

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121218\
 Data File : VN052828.D
 Acq On : 12 Dec 2018 15:39
 Operator : MD\SY
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 1:36:16 PM

Quant Time: Dec 13 00:47:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 00:28:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1025656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1584179	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1431428	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	682647	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1077744	98.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.64%	
35) Dibromofluoromethane	7.59	113	891799	100.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.70%	
50) Toluene-d8	10.09	98	3841603	100.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.40%	
62) 4-Bromofluorobenzene	12.40	95	1337937	102.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	1075400	101.855	ug/l	99
3) Chloromethane	2.06	50	1279322	100.958	ug/l	100
4) Vinyl Chloride	2.19	62	1289781	101.738	ug/l	100
5) Bromomethane	2.56	94	768893	98.333	ug/l	99
6) Chloroethane	2.71	64	746770	99.656	ug/l	98
7) Trichlorofluoromethane	3.02	101	1598158	101.680	ug/l	100
8) Diethyl Ether	3.41	74	598584	104.403	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	985232	101.142	ug/l	99
10) Methyl Iodide	3.96	142	1434762	105.174	ug/l	100
11) Tert butyl alcohol	4.78	59	321897	528.255	ug/l	99
12) 1,1-Dichloroethene	3.74	96	968084	102.662	ug/l	99
13) Acrolein	3.61	56	203320	354.391	ug/l	100
14) Allyl chloride	4.33	41	1571045	102.001	ug/l	99
15) Acrylonitrile	4.99	53	1812121	530.084	ug/l	99
16) Acetone	3.81	43	1211053	494.442	ug/l	99
17) Carbon Disulfide	4.06	76	2997451	103.473	ug/l	99
18) Methyl Acetate	4.32	43	933471	103.845	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	2644483	103.300	ug/l	99
20) Methylene Chloride	4.55	84	1078042	97.803	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	1035772	101.384	ug/l	98
22) Diisopropyl ether	5.95	45	3366953	102.468	ug/l	99
23) Vinyl Acetate	5.90	43	10362290	529.983	ug/l	99
24) 1,1-Dichloroethane	5.85	63	1947852	102.796	ug/l	99
25) 2-Butanone	6.83	43	1960198	515.774	ug/l	98
26) 2,2-Dichloropropane	6.83	77	1445257	103.573	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	1179260	101.704	ug/l	99
28) Bromochloromethane	7.19	49	872981	102.598	ug/l	99
29) Tetrahydrofuran	7.21	42	1371294	528.530	ug/l	100
30) Chloroform	7.37	83	1871286	101.271	ug/l	99
31) Cyclohexane	7.66	56	1845624	87.360	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	1602282	103.640	ug/l	99
36) 1,1-Dichloropropene	7.80	75	1505241	103.182	ug/l	99
37) Ethyl Acetate	6.93	43	923106	105.334	ug/l	98
38) Carbon Tetrachloride	7.77	117	1404082	104.566	ug/l	100

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Manual Integrations
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1846598	103.149	ug/l	99
40) Benzene	8.04	78	4452881	101.700	ug/l	99
41) Methacrylonitrile	7.17	41	547603	112.775	ug/l	93
42) 1,2-Dichloroethane	8.12	62	1333953	101.199	ug/l	99
43) Isopropyl Acetate	8.16	43	1686007	93.834	ug/l	99
44) Trichloroethene	8.84	130	1195657	101.099	ug/l	97
45) 1,2-Dichloropropane	9.12	63	1181917	103.060	ug/l	100
46) Dibromomethane	9.21	93	674869	101.469	ug/l	99
47) Bromodichloromethane	9.40	83	1441873	104.544	ug/l	100
48) Methyl methacrylate	9.20	41	855160	108.527	ug/l	99
49) 1,4-Dioxane	9.20	88	195660	2187.578	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	4366954	530.032	ug/l	100
52) Toluene	10.16	92	2752297	103.788	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	1530060	110.245	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1765938	106.779	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	966057	102.052	ug/l	99
56) Ethyl methacrylate	10.43	69	1334709	109.866	ug/l	100
57) 1,3-Dichloropropane	10.71	76	1675640	103.222	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	3700709	545.936	ug/l	100
59) 2-Hexanone	10.75	43	3001771	531.629	ug/l	100
60) Dibromochloromethane	10.90	129	1098096	107.332	ug/l	100
61) 1,2-Dibromoethane	11.01	107	986624	105.441	ug/l	99
64) Tetrachloroethene	10.63	164	1217924	98.996	ug/l	99
65) Chlorobenzene	11.43	112	3027178	101.935	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	1069918	103.591	ug/l	100
67) Ethyl Benzene	11.51	91	5329993	104.512	ug/l	100
68) m/p-Xylenes	11.62	106	3997702	208.762	ug/l	100
69) o-Xylene	11.95	106	1945442	104.039	ug/l	100
70) Styrene	11.96	104	3228609	107.407	ug/l	100
71) Bromoform	12.13	173	760434	108.375	ug/l #	99
73) Isopropylbenzene	12.25	105	5160492	101.248	ug/l	100
74) N-amyl acetate	12.07	43	1520668	108.673	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	1131923	99.092	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	1001219m	87.937	ug/l	
77) Bromobenzene	12.53	156	1319922	101.816	ug/l	100
78) n-propylbenzene	12.59	91	6001437	103.243	ug/l	100
79) 2-Chlorotoluene	12.68	91	3469078	100.947	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	4198584	102.044	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	357854	114.142	ug/l	97
82) 4-Chlorotoluene	12.77	91	3570343	101.614	ug/l	100
83) tert-Butylbenzene	12.99	119	3673221	101.205	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	4293799	103.084	ug/l	100
85) sec-Butylbenzene	13.17	105	5051505	102.770	ug/l	100
86) p-Isopropyltoluene	13.29	119	4421569	103.828	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	2348907	101.960	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	2318556	101.629	ug/l	99
89) n-Butylbenzene	13.62	91	3863417	107.766	ug/l	100
90) Hexachloroethane	13.88	117	751988	105.455	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	2218380	100.105	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	182840	106.186	ug/l	99

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ALS Vial : 13 Sample Multiplier: 28

Instrument :
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ClientSampleId :
VSTDICC100

Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 13 00:28:59 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1314446	109.118	ug/l	100
94) Hexachlorobutadiene	15.01	225	675688	96.908	ug/l	99
95) Naphthalene	15.13	128	2844218	114.001	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	1200164	108.580	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

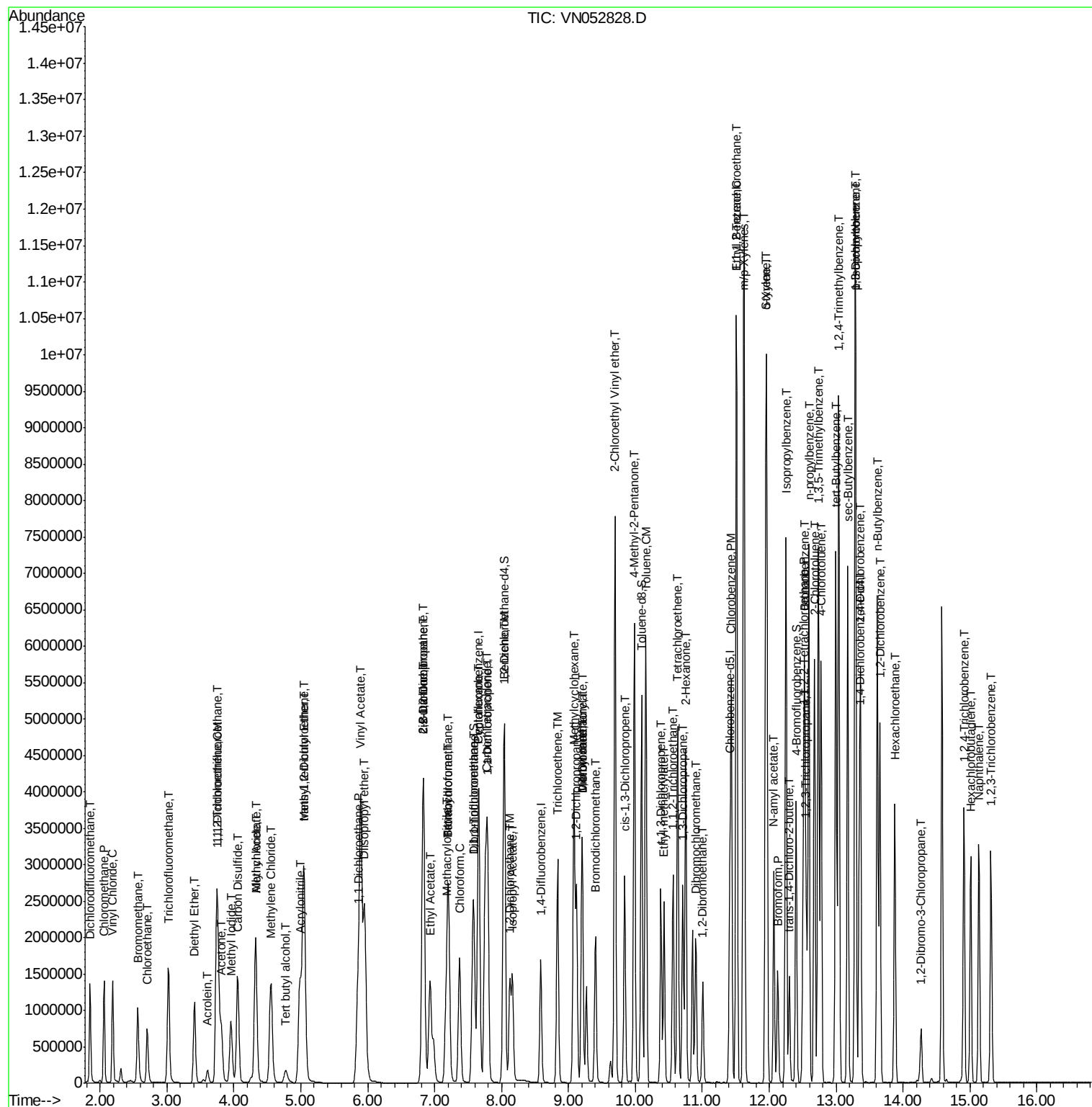
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Data File : VN052828.D
Acq On : 12 Dec 2018 15:39
Operator : MD\SY
Sample : VSTDIC100
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 28

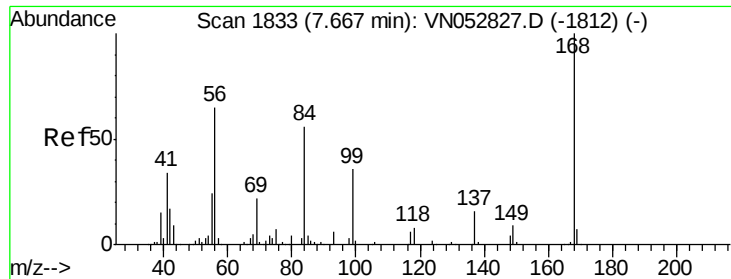
Instrument :
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ClientSampleId :
VSTDIC100

Manual Integrations
APPROVED

MMDadoda
12/13/2018 1:36:16 PM

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052828.D

Acq: 12 Dec 2018 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 1025656

Ion Ratio Lower Upper

168 100

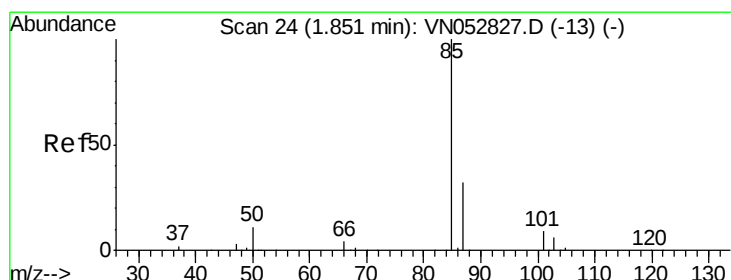
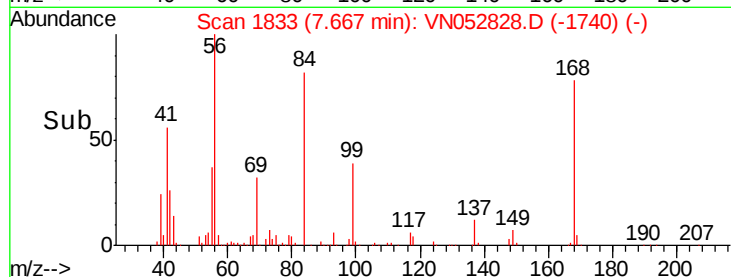
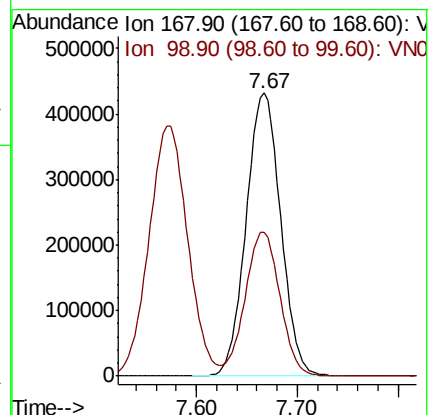
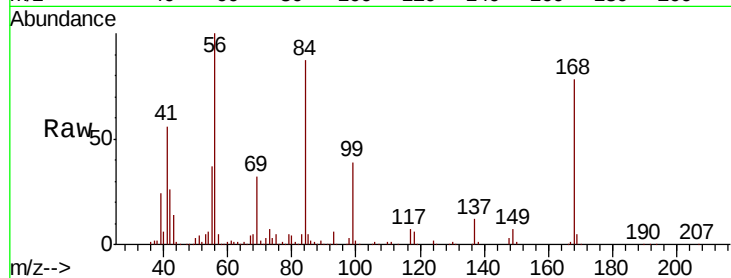
99 50.6 40.2 60.2

Manual Integrations

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12/13/2018 1:36:16 PM



#2

Dichlorodifluoromethane

Concen: 101.855 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052828.D

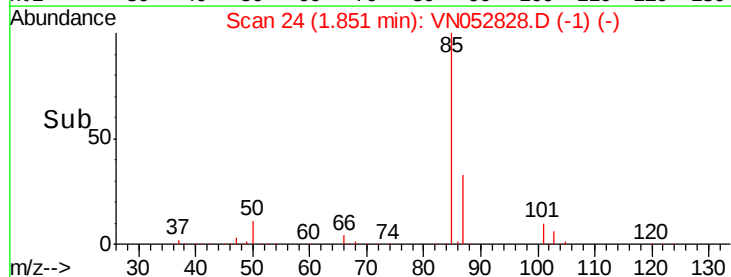
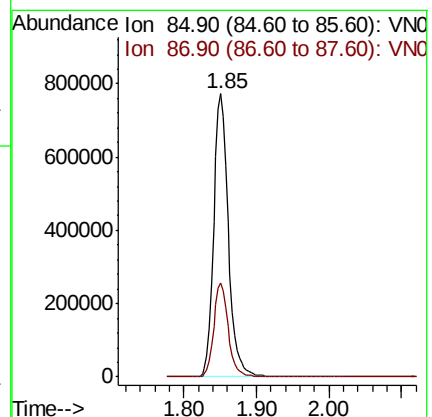
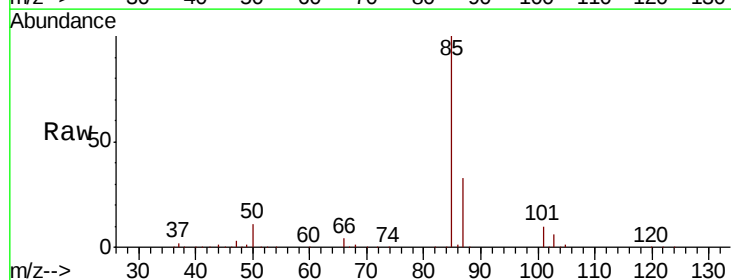
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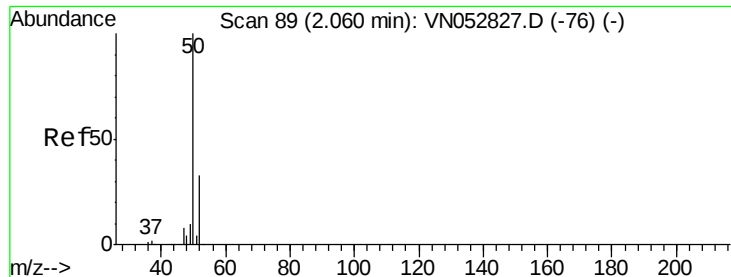
Tgt Ion: 85 Resp: 1075400

Ion Ratio Lower Upper

85 100

87 33.0 16.3 48.8





#3

Chloromethane

Concen: 100.958 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN052828.D

Acq: 12 Dec 2018 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 1279322

Ion Ratio Lower Upper

50 100

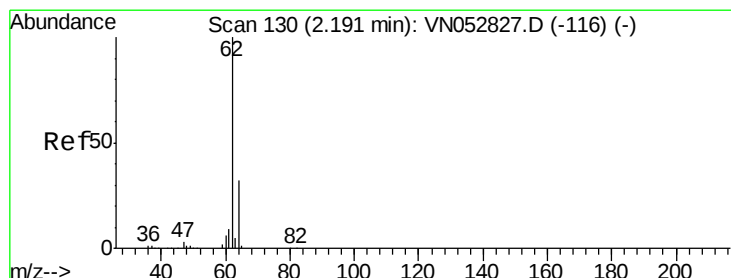
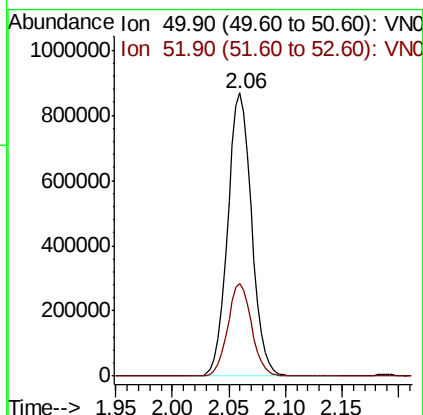
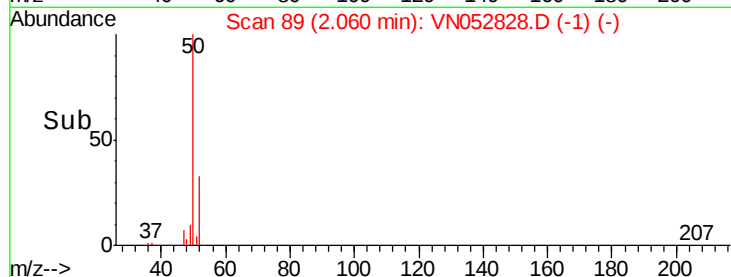
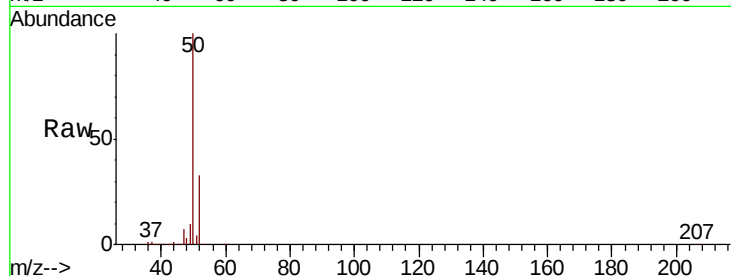
52 32.6 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 101.738 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN052828.D

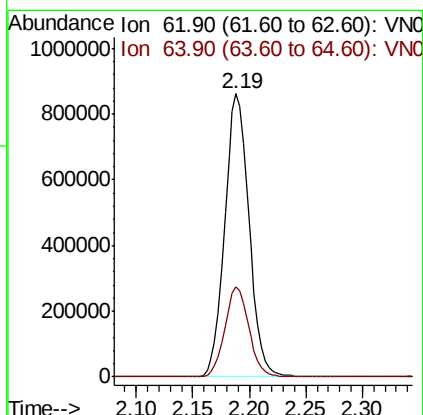
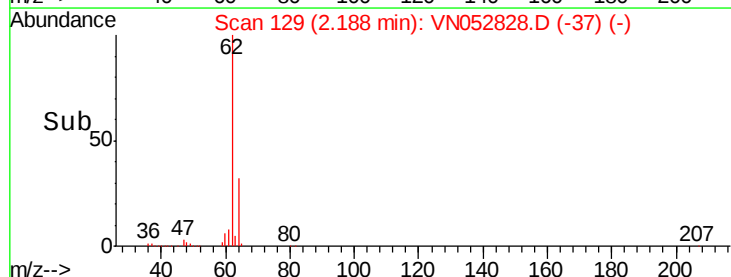
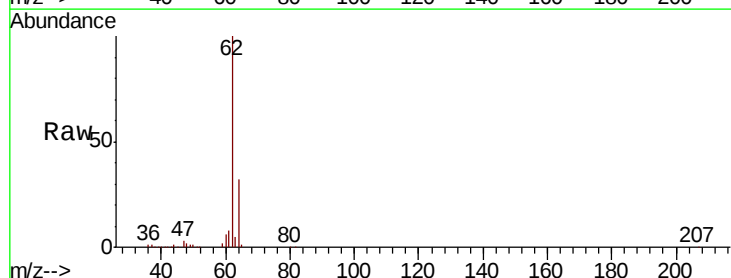
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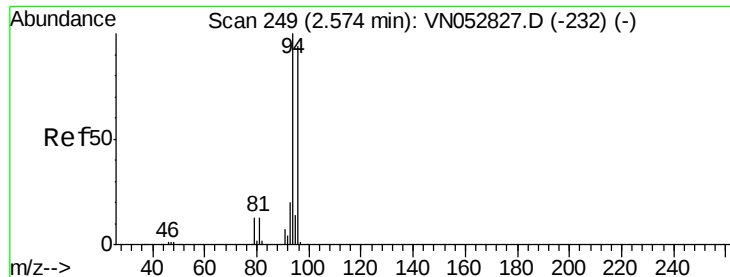
Tgt Ion: 62 Resp: 1289781

Ion Ratio Lower Upper

62 100

64 31.8 25.5 38.3





#5

Bromomethane

Concen: 98.333 ug/l

RT: 2.56 min Scan# 246

Delta R.T. -0.01 min

Lab File: VN052828.D

Acq: 12 Dec 2018 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 768893

Ion Ratio Lower Upper

94 100

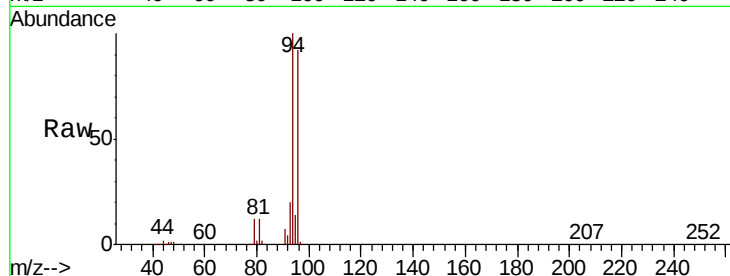
96 92.5 75.0 112.4

Manual Integrations

APPROVED

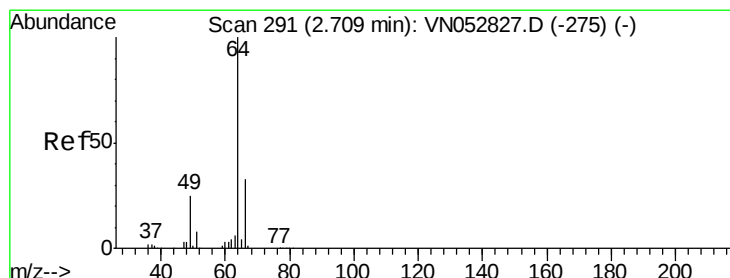
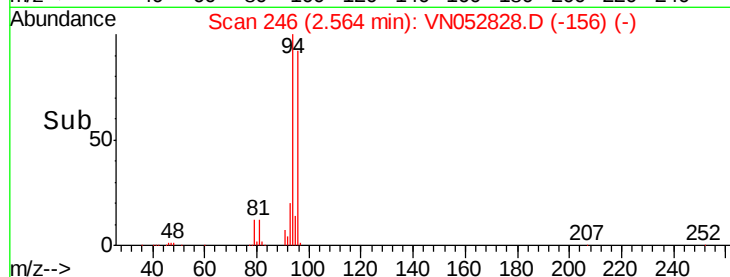
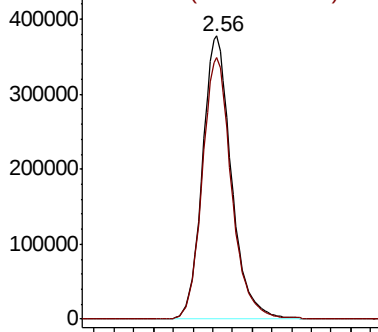
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 99.656 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN052828.D

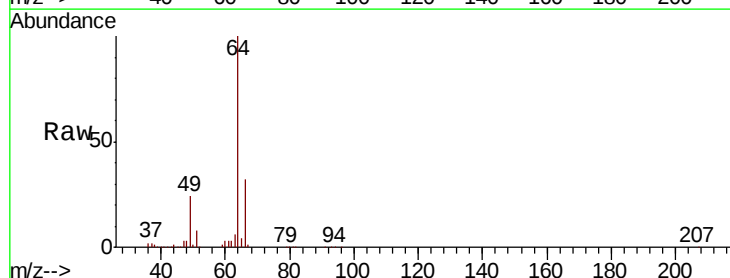
Acq: 12 Dec 2018 15:39

Tgt Ion: 64 Resp: 746770

Ion Ratio Lower Upper

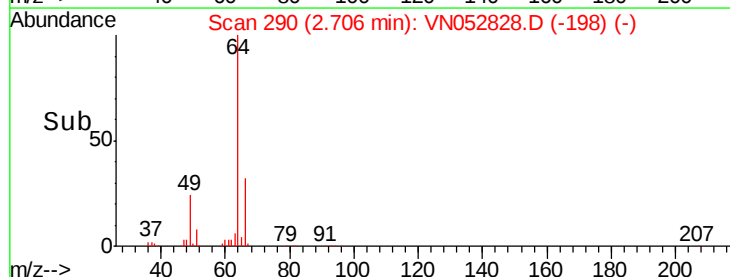
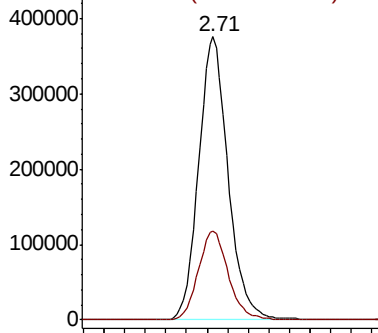
64 100

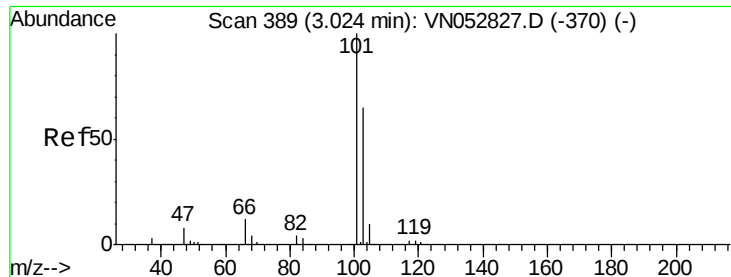
66 31.6 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

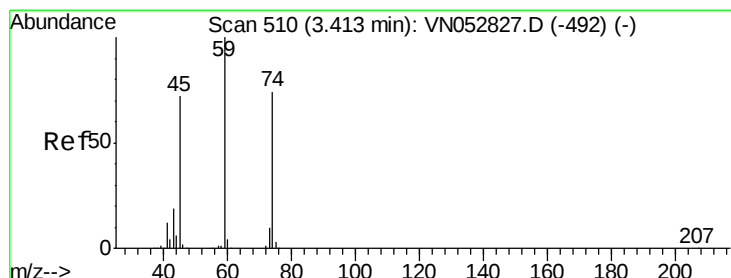
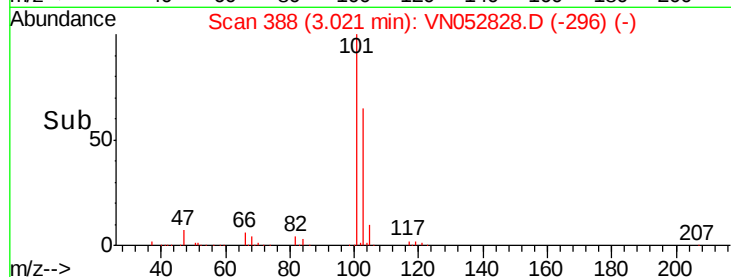
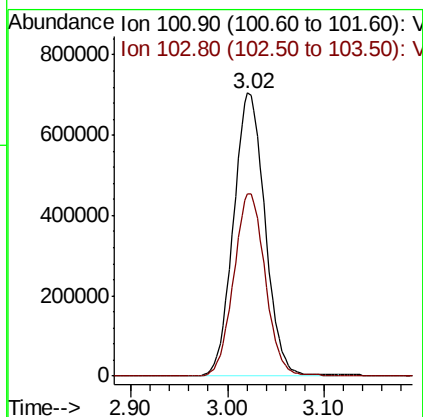
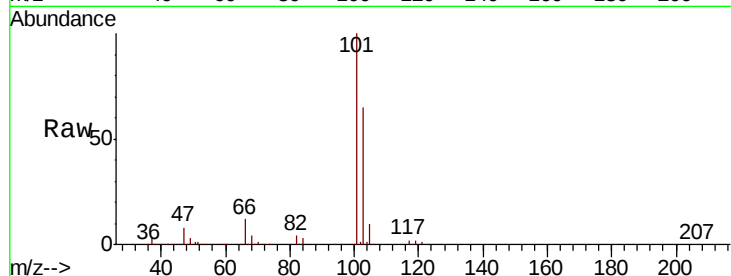
Trichlorofluoromethane
Concen: 101.680 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN052828.D
Acq: 12 Dec 2018 15:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:101 Resp: 1598158
Ion Ratio Lower Upper
101 100
103 64.6 51.8 77.6

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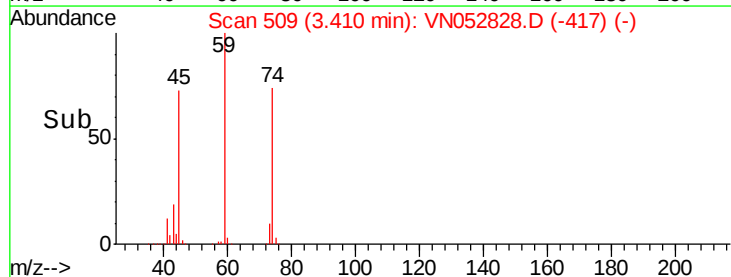
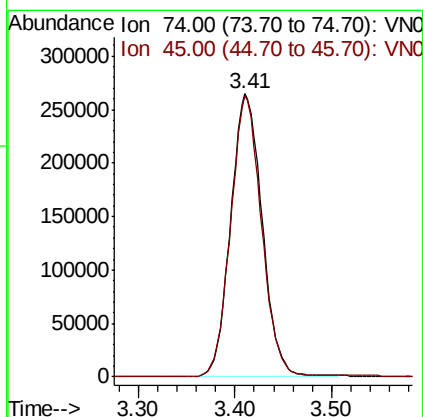
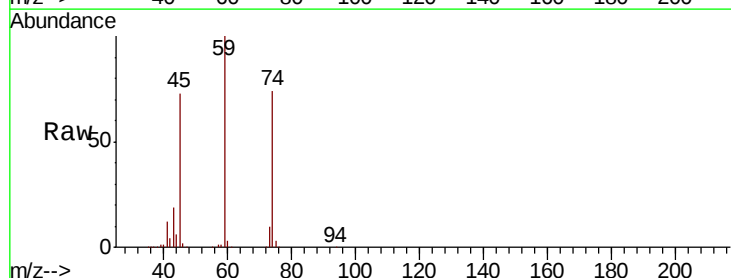
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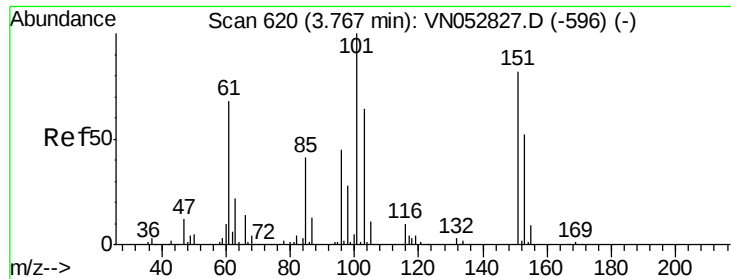


#8

Diethyl Ether
Concen: 104.403 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN052828.D
Acq: 12 Dec 2018 15:39

Tgt Ion: 74 Resp: 598584
Ion Ratio Lower Upper
74 100
45 97.8 49.4 148.0





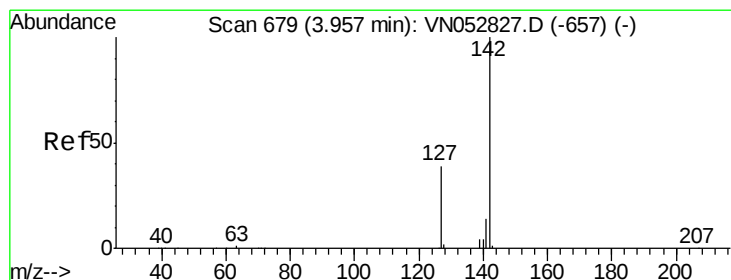
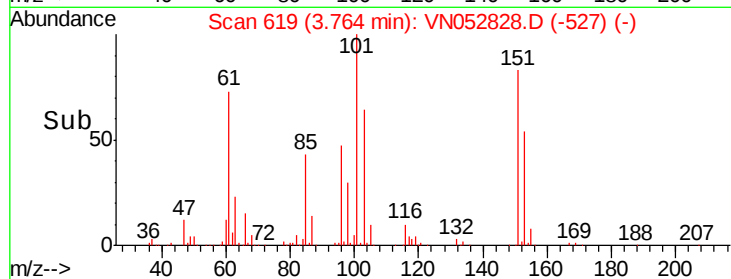
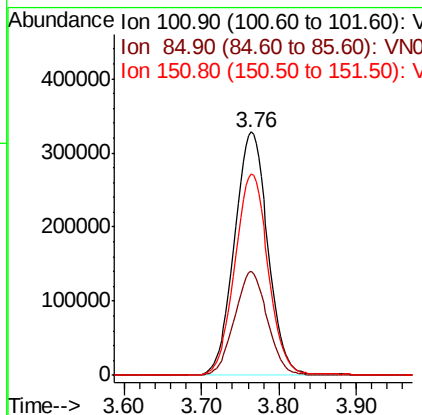
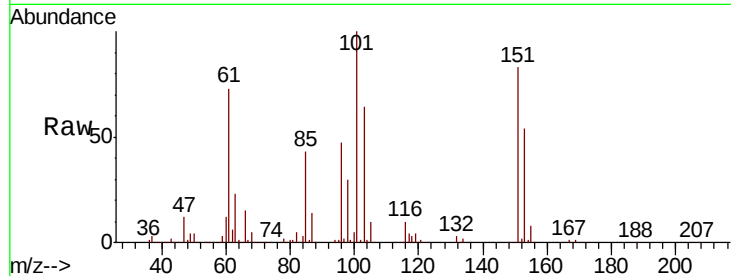
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 101.142 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. -0.00 min
 Lab File: VN052828.D
 Acq: 12 Dec 2018 15:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
101	100	985232		
85	41.8		33.6	50.4
151	82.7		65.5	98.3

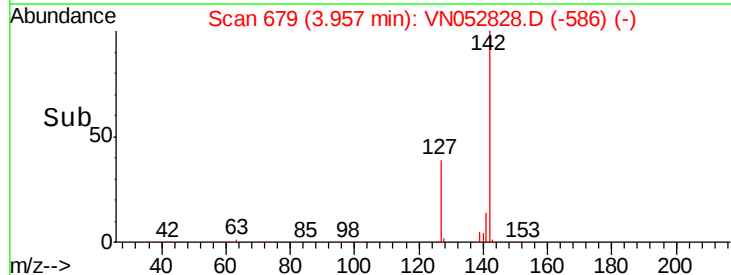
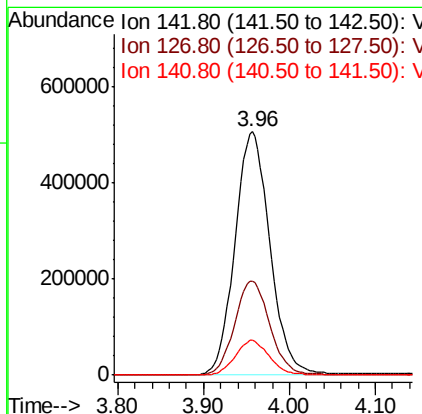
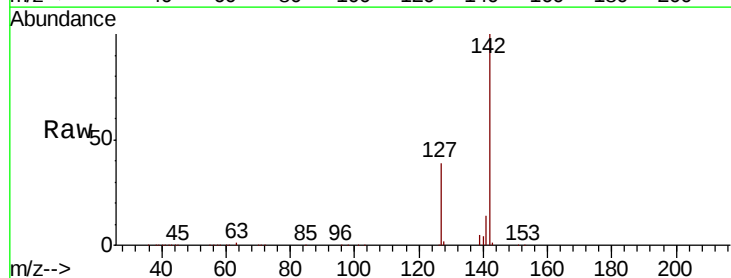
Manual Integrations
 APPROVED

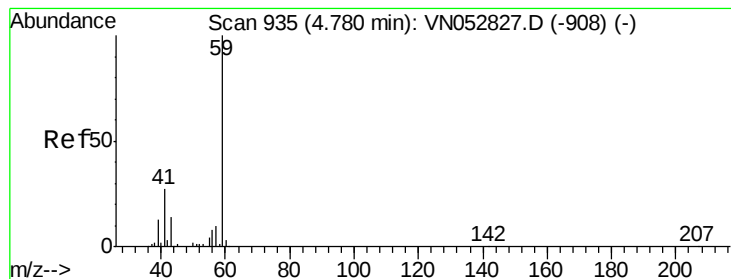
MMDadoda
 12/13/2018 1:36:16 PM



#10
 Methyl Iodide
 Concen: 105.174 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN052828.D
 Acq: 12 Dec 2018 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	1434762		
127	38.9		31.0	46.6
141	13.9		11.2	16.8





#11

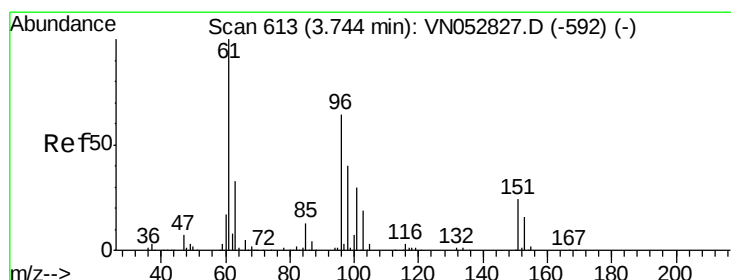
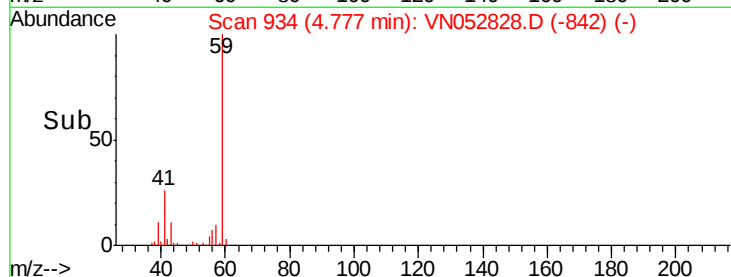
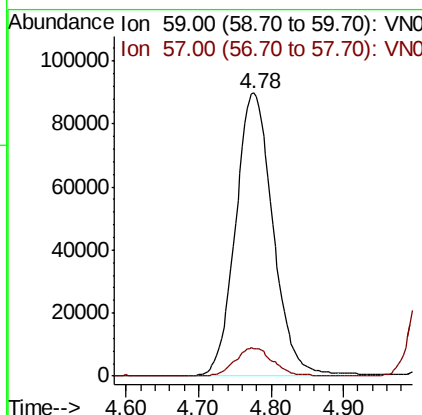
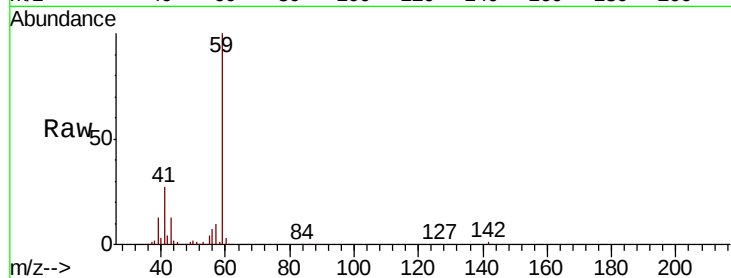
Tert butyl alcohol
Concen: 528.255 ug/l
RT: 4.78 min Scan# 934
Delta R.T. -0.00 min
Lab File: VN052828.D
Acq: 12 Dec 2018 15:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	59	Resp	321897
Ion Ratio	100	Lower	Upper
57	10.1	7.7	11.5

Manual Integrations
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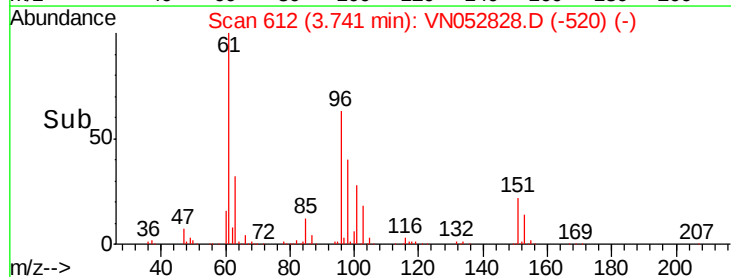
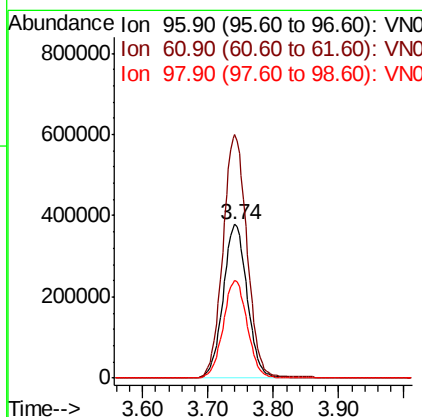
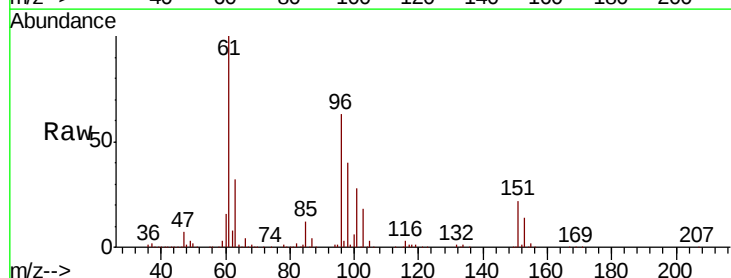
MMDadoda
12/13/2018 1:36:16 PM

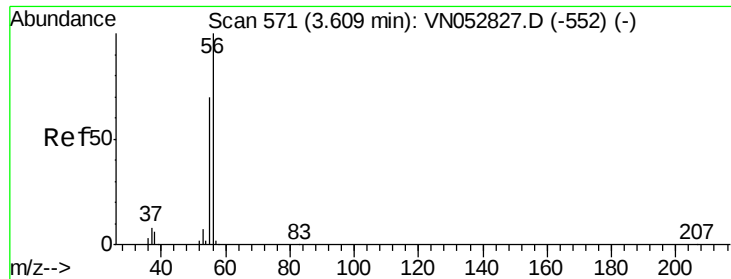


#12

1,1-Dichloroethene
Concen: 102.662 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN052828.D
Acq: 12 Dec 2018 15:39

Tgt Ion	96	Resp	968084
Ion Ratio	100	Lower	Upper
61	158.3	125.6	188.4
98	63.2	50.6	75.8





#13

Acrolein

Concen: 354.391 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052828.D

Acq: 12 Dec 2018 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 203320

Ion Ratio Lower Upper

56 100

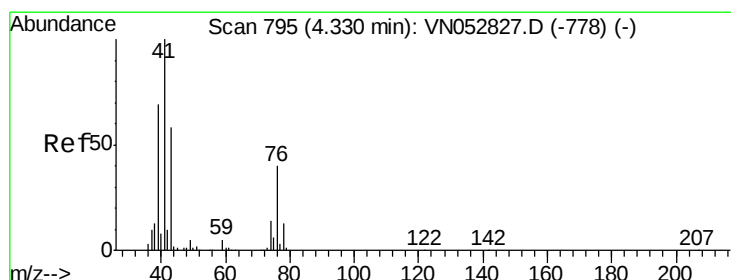
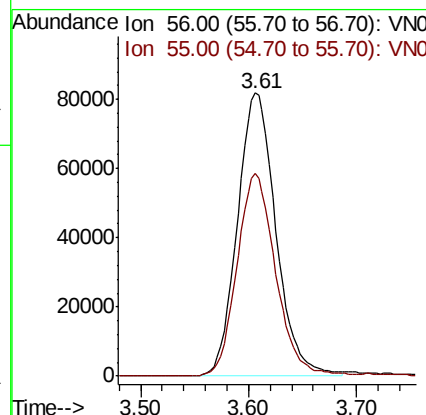
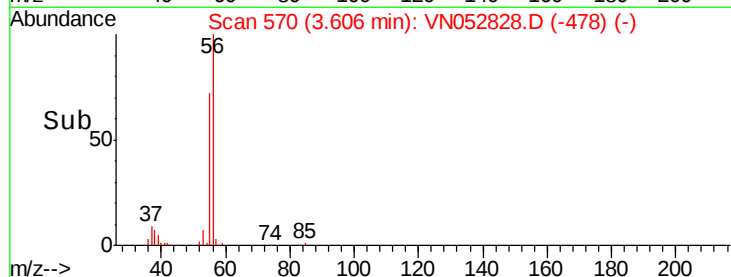
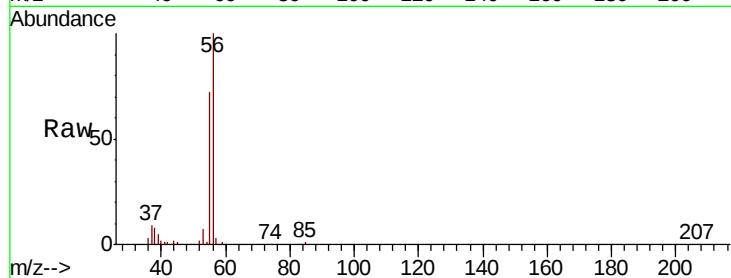
55 70.6 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 102.001 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052828.D

Acq: 12 Dec 2018 15:39

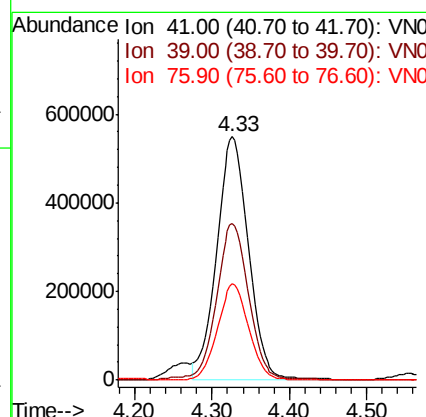
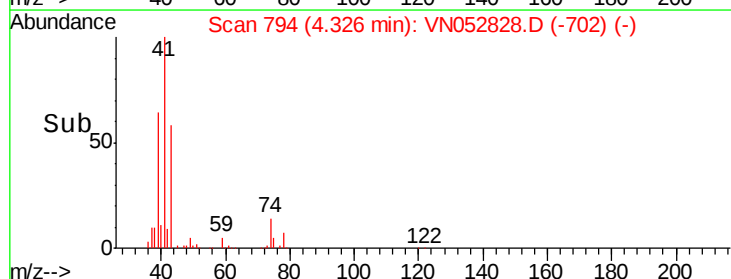
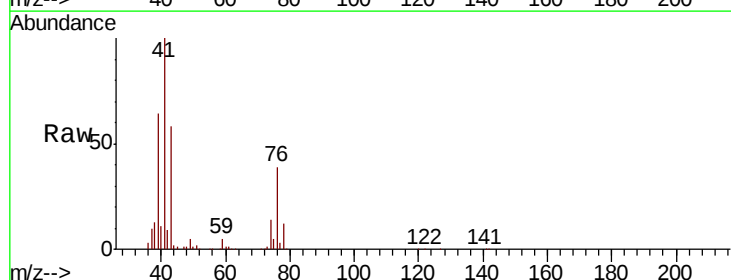
Tgt Ion: 41 Resp: 1571045

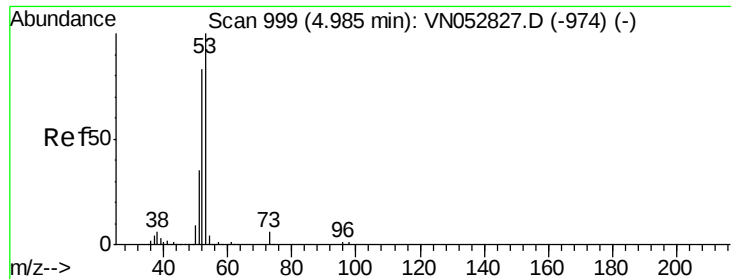
Ion Ratio Lower Upper

41 100

39 65.9 54.1 81.1

76 38.0 30.3 45.5





#15

Acrylonitrile

Concen: 530.084 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN052828.D

Acq: 12 Dec 2018 15:39

Instrument :

MSVOA_N

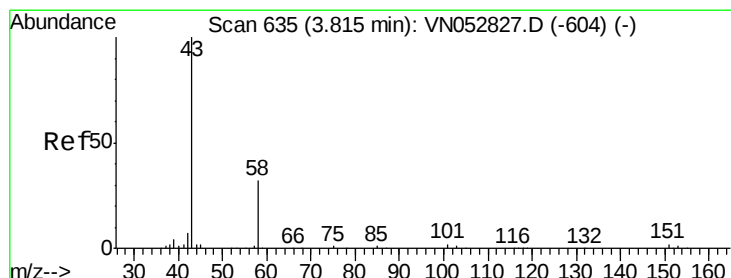
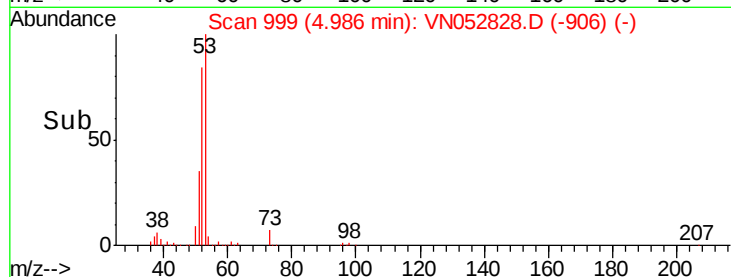
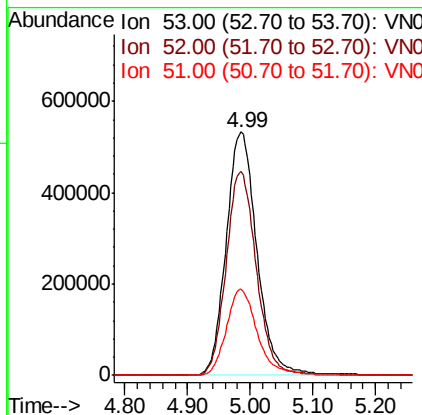
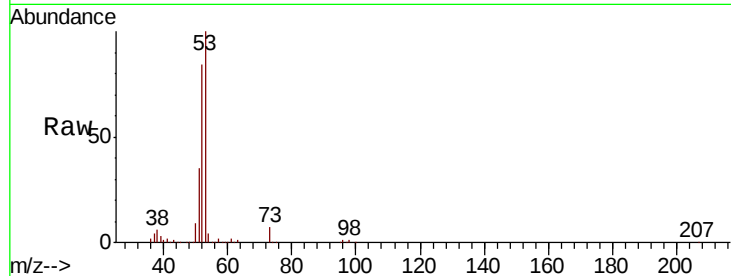
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	1812121
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.1	97.7
51	35.6	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 494.442 ug/l

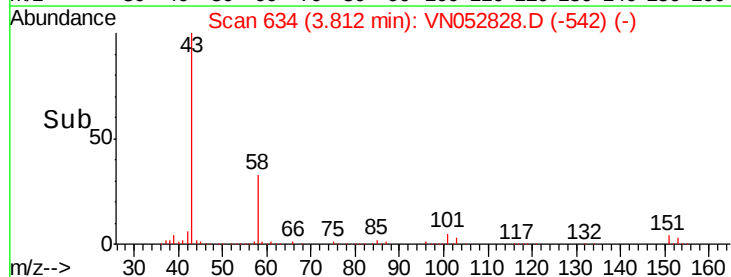
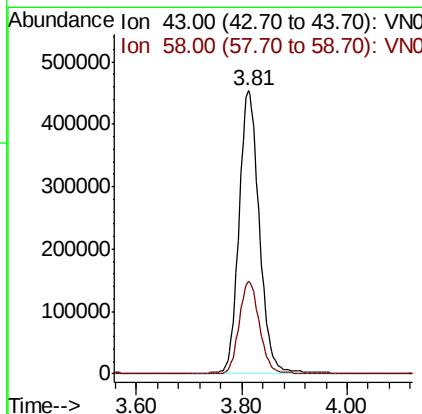
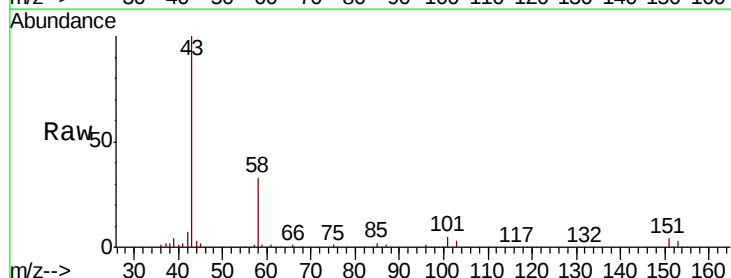
RT: 3.81 min Scan# 634

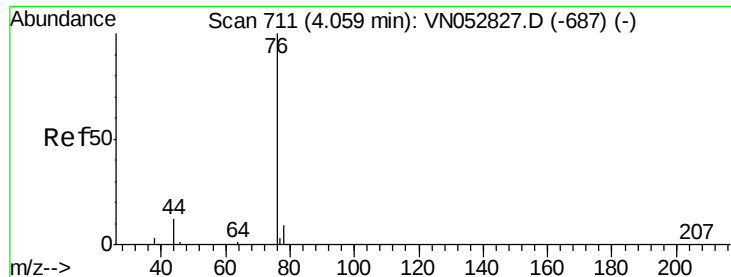
Delta R.T. -0.00 min

Lab File: VN052828.D

Acq: 12 Dec 2018 15:39

Tgt Ion:	43	Resp:	1211053
Ion	Ratio	Lower	Upper
43	100		
58	32.5	25.4	38.0





#17

Carbon Disulfide

Concen: 103.473 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052828.D

Acq: 12 Dec 2018 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 76 Resp: 2997451

Ion Ratio Lower Upper

76 100

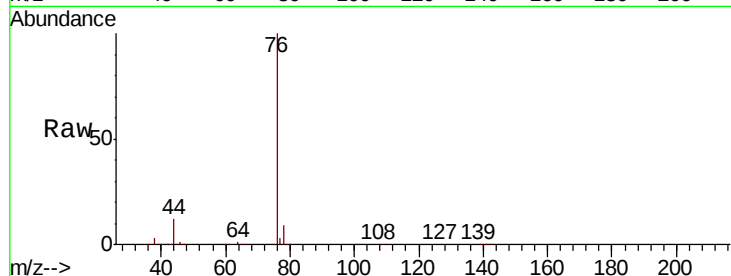
78 9.2 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN052827.D (-687) (-)

Ion 77.90 (77.60 to 78.60): VN052827.D (-687) (-)

4.06

1200000

1000000

800000

600000

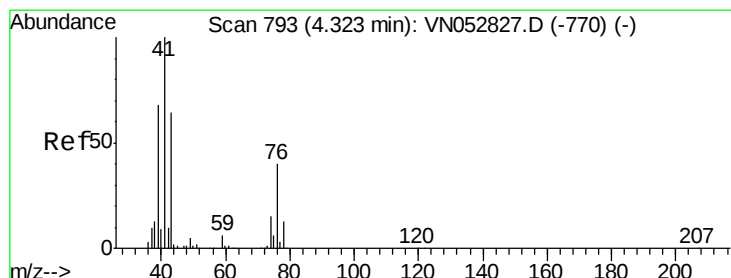
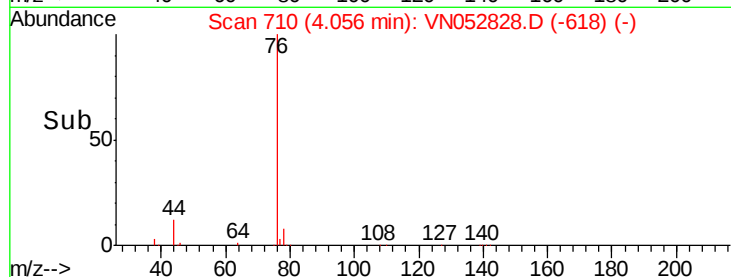
400000

200000

0

3.90 4.00 4.10 4.20 4.30

Time-->



#18

Methyl Acetate

Concen: 103.845 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN052828.D

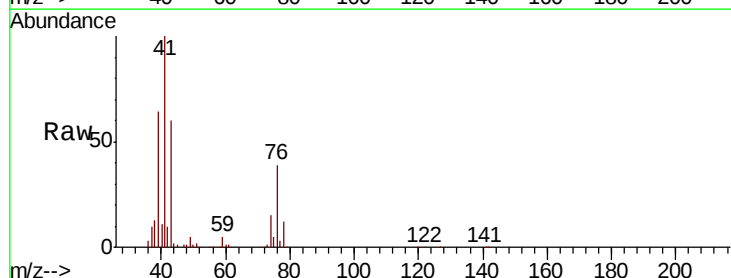
Acq: 12 Dec 2018 15:39

Tgt Ion: 43 Resp: 933471

Ion Ratio Lower Upper

43 100

74 24.3 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-770) (-)

Ion 74.00 (73.70 to 74.70): VN052827.D (-770) (-)

4.32

300000

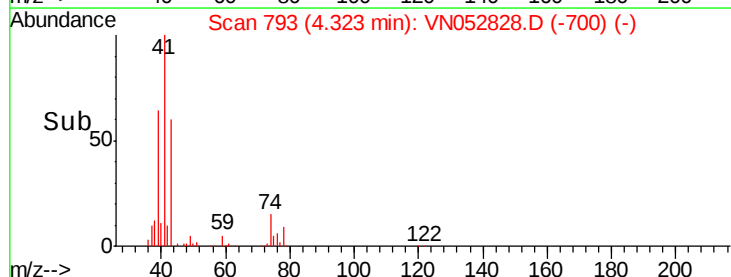
200000

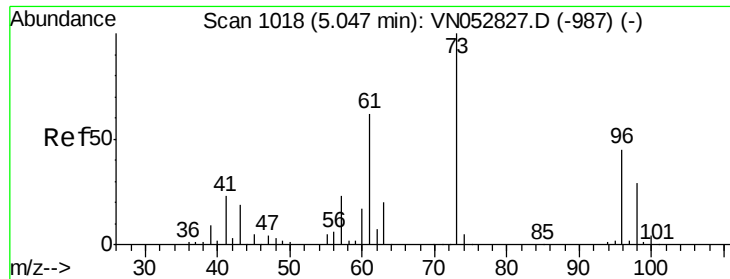
100000

0

4.20 4.30 4.40 4.50

Time-->





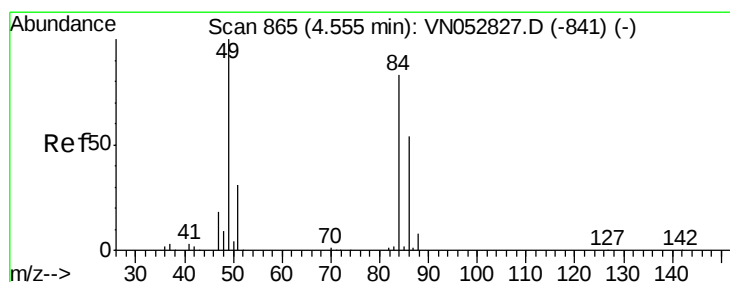
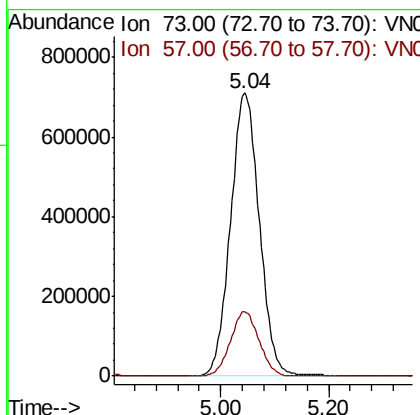
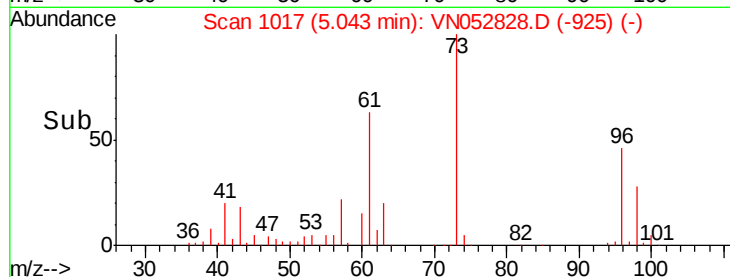
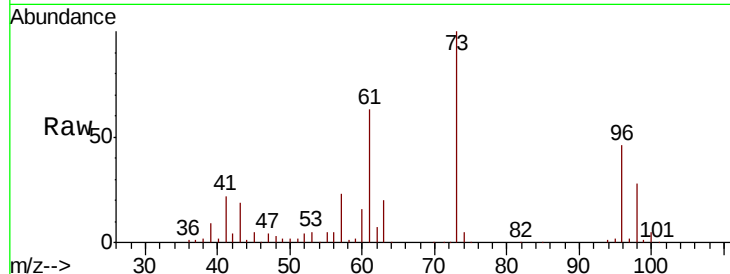
#19
Methvl tert-butvl Ether
Concen: 103.300 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052828.D
Acq: 12 Dec 2018 15:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 2644483
Ion Ratio Lower Upper
73 100
57 22.7 18.4 27.6

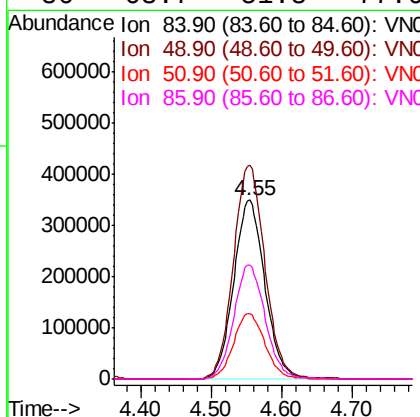
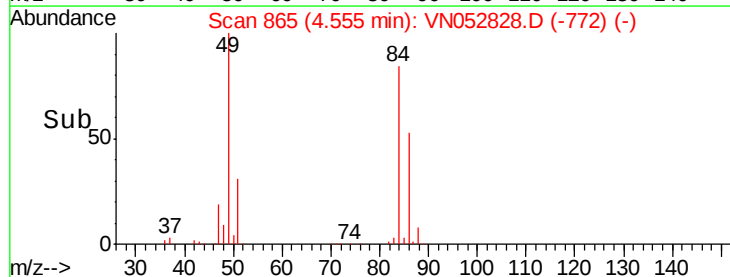
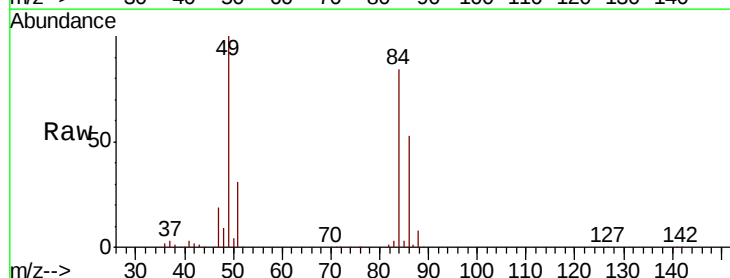
Manual Integrations
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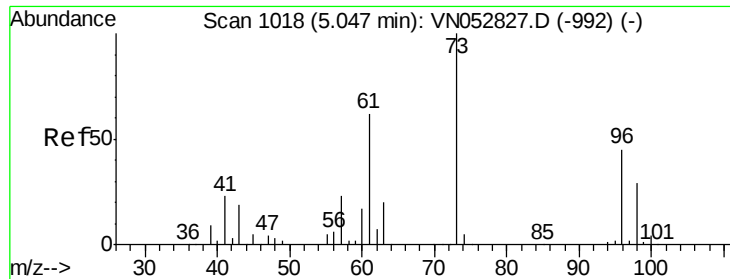
MMDadoda
12/13/2018 1:36:16 PM



#20
Methylene Chloride
Concen: 97.803 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052828.D
Acq: 12 Dec 2018 15:39

Tgt Ion: 84 Resp: 1078042
Ion Ratio Lower Upper
84 100
49 119.2 96.8 145.2
51 36.6 29.9 44.9
86 63.7 51.8 77.6





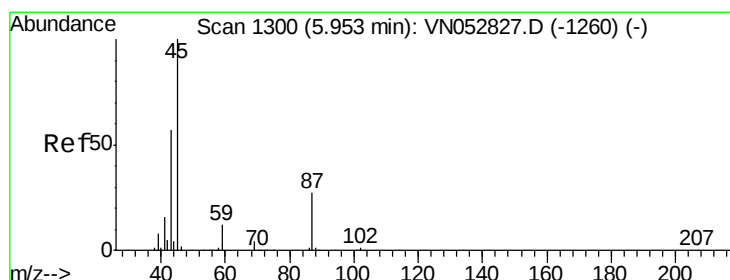
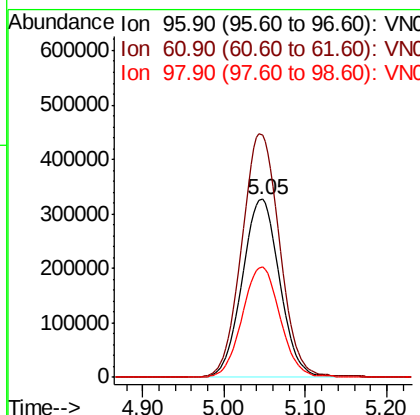
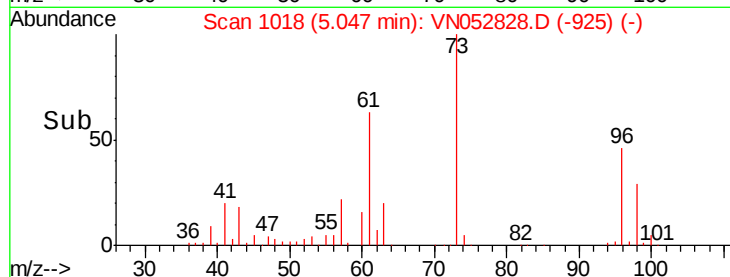
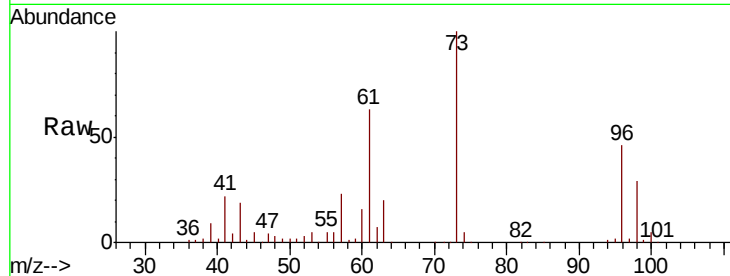
#21
trans-1,2-Dichloroethene
Concen: 101.384 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052828.D
Acq: 12 Dec 2018 15:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 96 Resp: 1035772
Ion Ratio Lower Upper
96 100
61 136.1 110.8 166.2
98 61.9 51.4 77.2

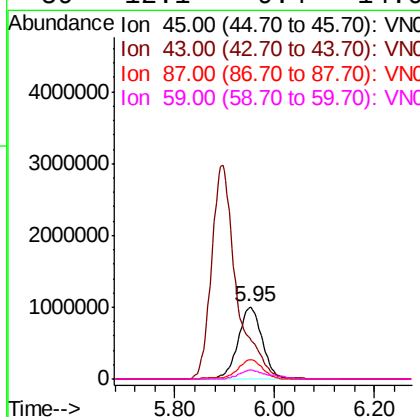
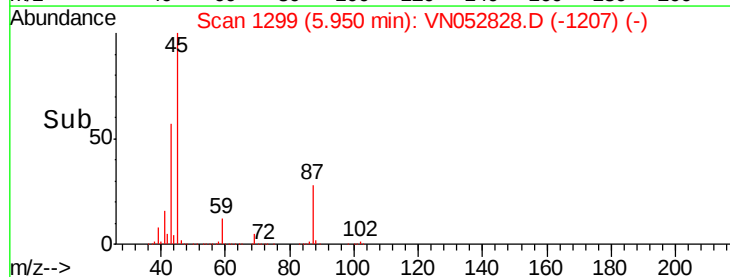
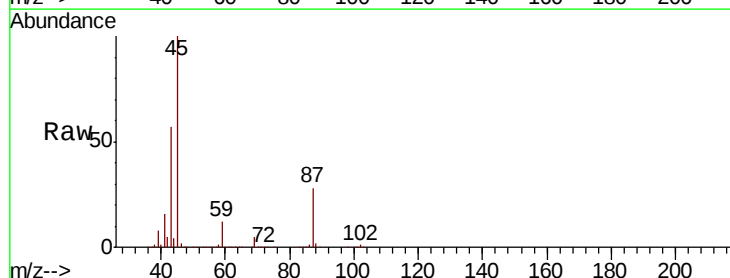
Manual Integrations
APPROVED

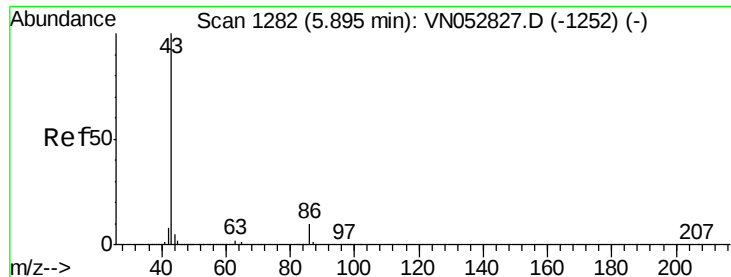
MMDadoda
12/13/2018 1:36:16 PM



#22
Diisopropyl ether
Concen: 102.468 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN052828.D
Acq: 12 Dec 2018 15:39

Tgt Ion: 45 Resp: 3366953
Ion Ratio Lower Upper
45 100
43 56.3 45.5 68.3
87 27.6 22.0 33.0
59 12.1 9.4 14.0





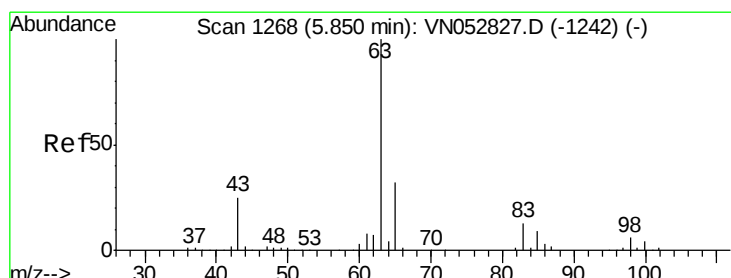
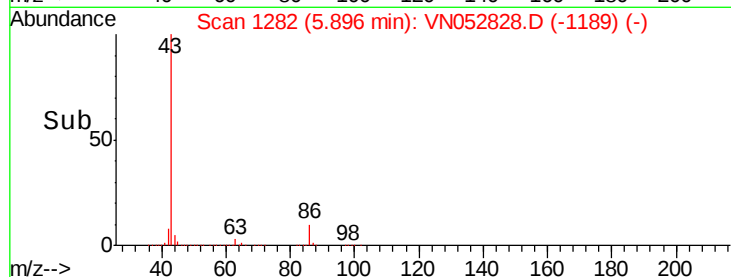
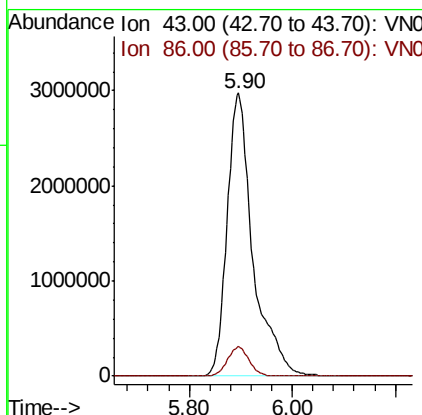
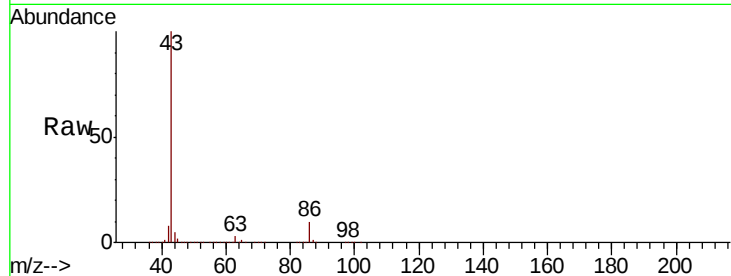
#23
 Vinyl Acetate
 Concen: 529.983 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN052828.D
 Acq: 12 Dec 2018 15:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp:10362290
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.1 12.1

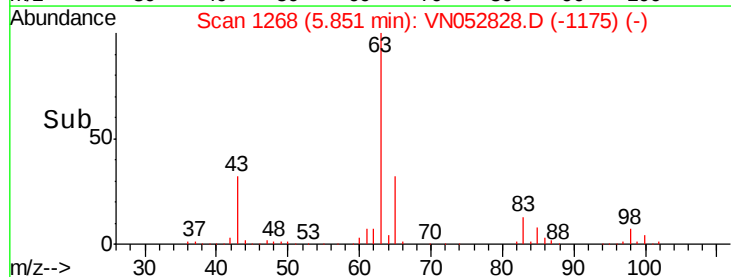
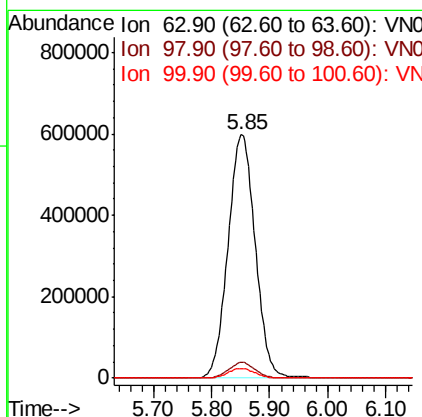
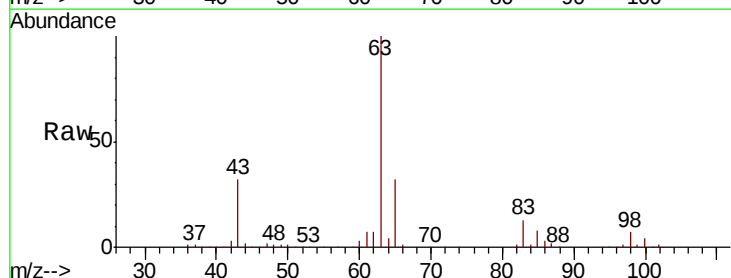
Manual Integrations
 APPROVED

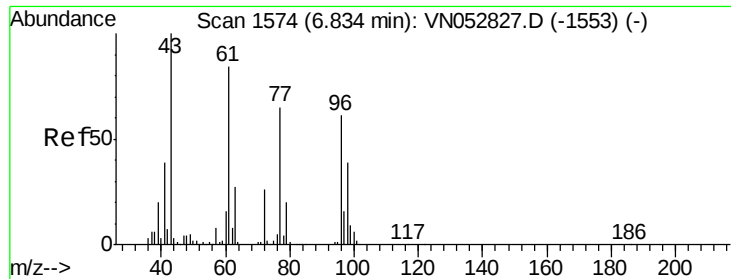
MMDadoda
 12/13/2018 1:36:16 PM



#24
 1,1-Dichloroethane
 Concen: 102.796 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN052828.D
 Acq: 12 Dec 2018 15:39

Tgt Ion: 63 Resp: 1947852
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.1 9.4
 100 4.0 2.0 5.8





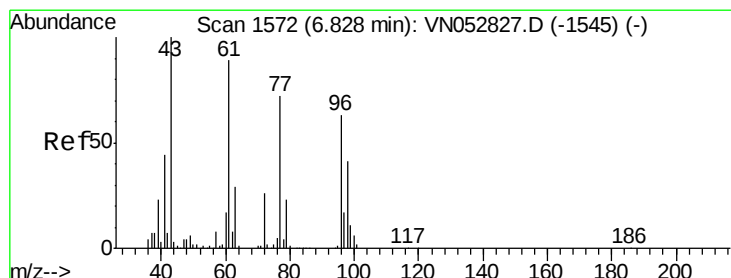
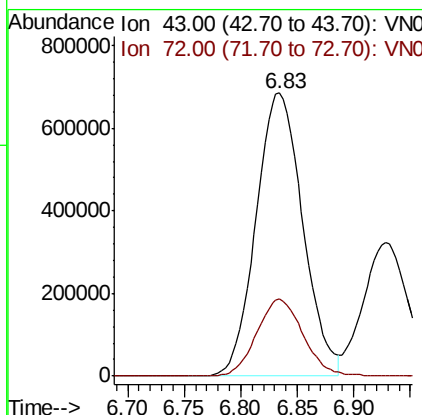
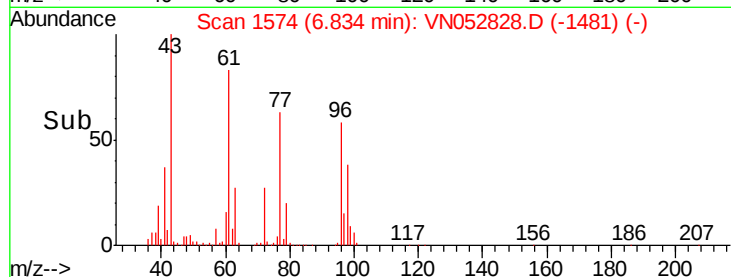
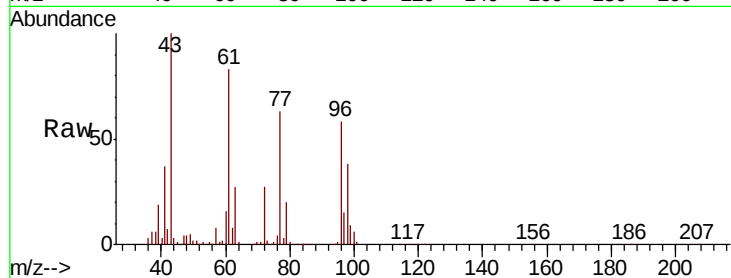
#25
2-Butanone
Concen: 515.774 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN052828.D
Acq: 12 Dec 2018 15:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1960198
Ion Ratio Lower Upper
43 100
72 27.1 21.0 31.6

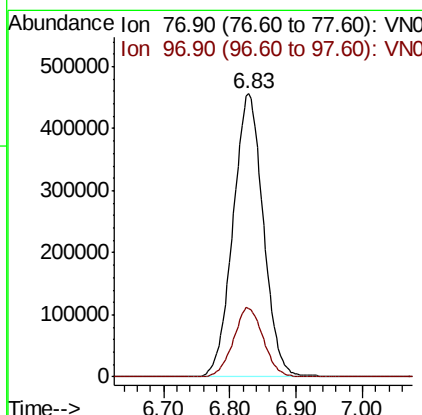
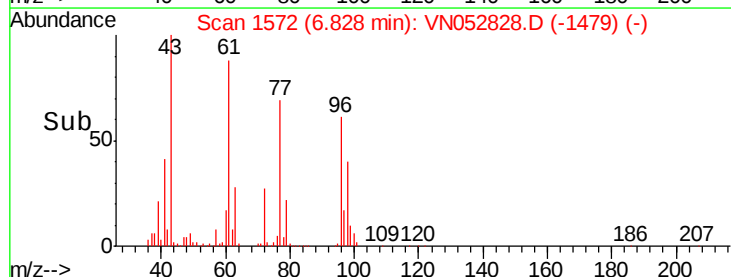
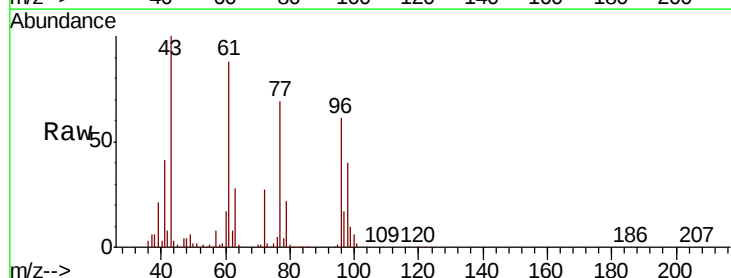
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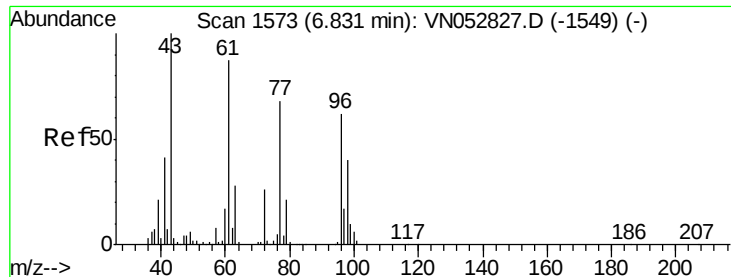
MMDadoda
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#26
2,2-Dichloropropane
Concen: 103.573 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052828.D
Acq: 12 Dec 2018 15:39

Tgt Ion: 77 Resp: 1445257
Ion Ratio Lower Upper
77 100
97 24.3 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 101.704 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052828.D

Acq: 12 Dec 2018 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 1179260

Ion Ratio Lower Upper

96 100

61 144.2 0.0 284.2

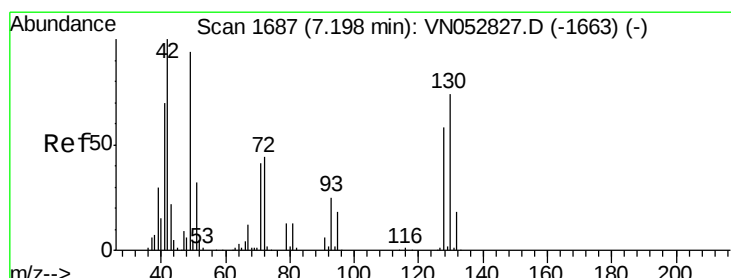
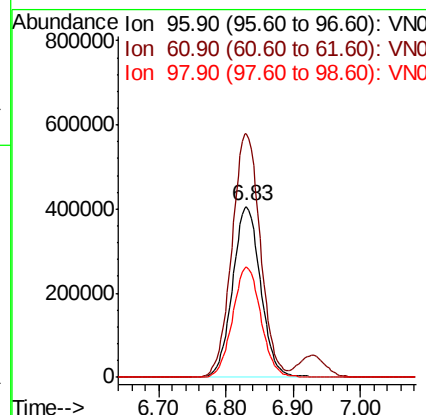
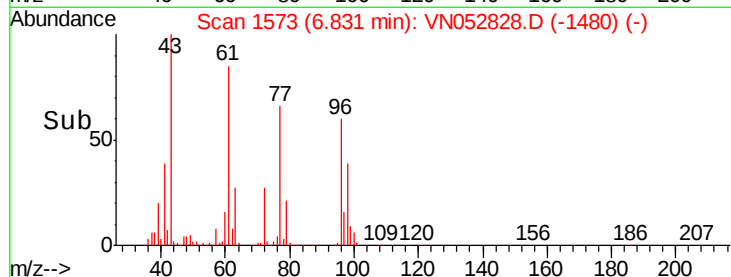
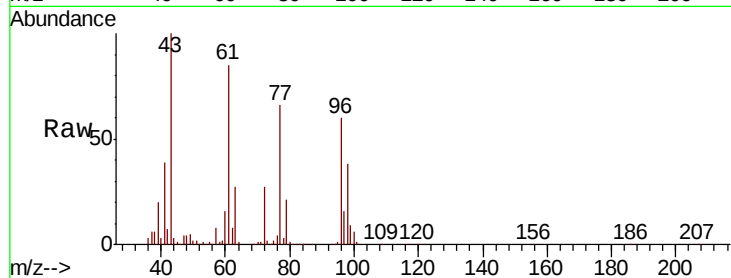
98 65.2 0.0 129.2

Manual Integrations

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#28

Bromochloromethane

Concen: 102.598 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN052828.D

Acq: 12 Dec 2018 15:39

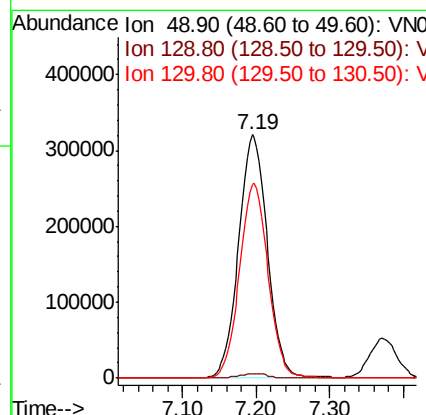
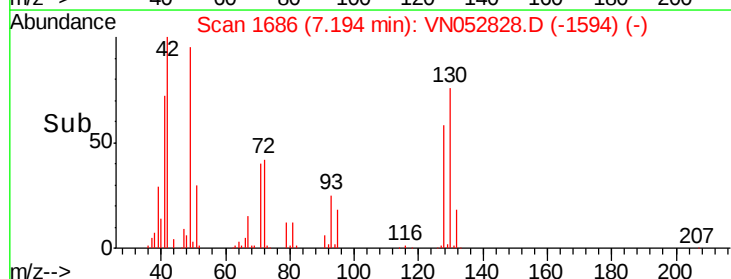
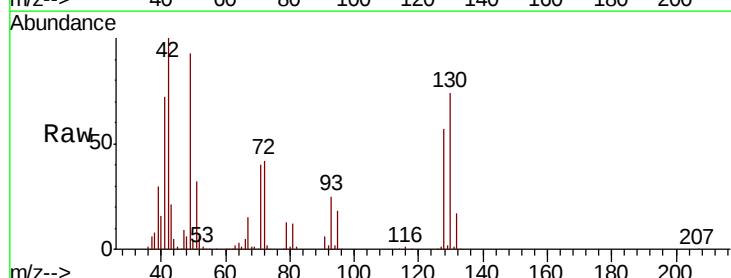
Tgt Ion: 49 Resp: 872981

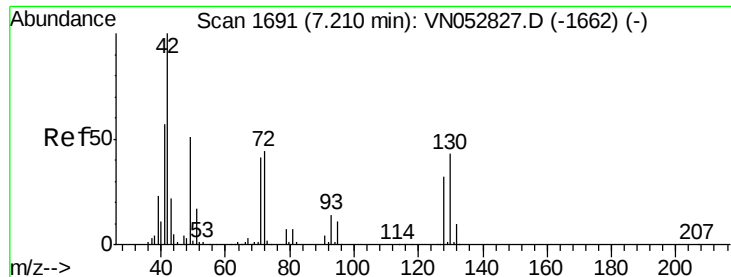
Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.0

130 79.7 63.3 94.9





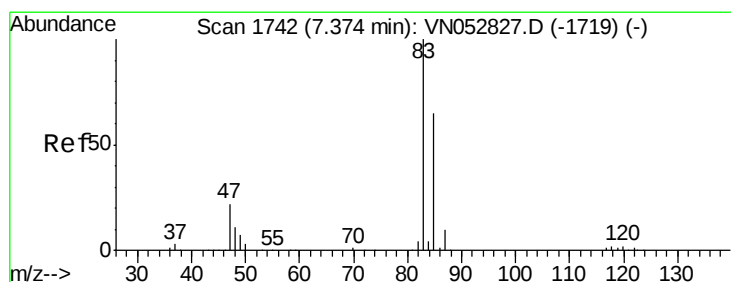
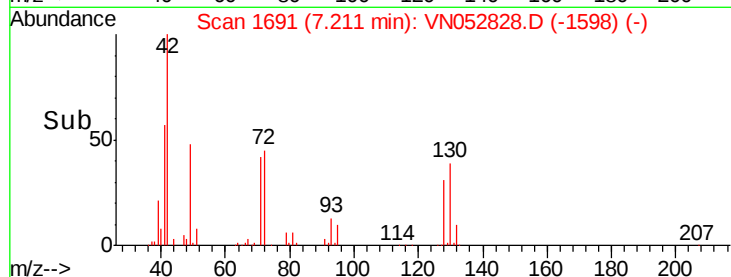
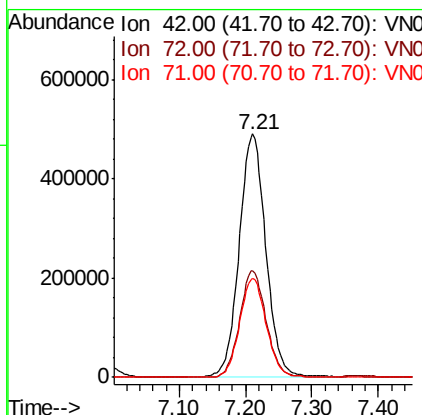
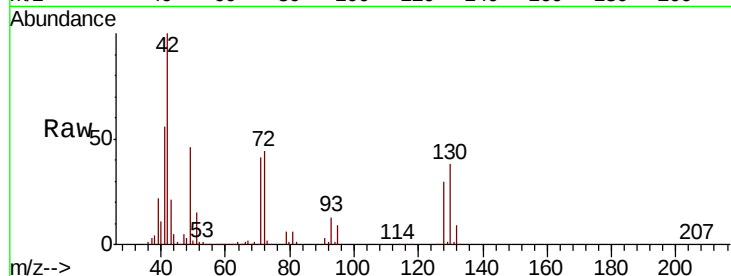
#29
Tetrahydrofuran
Concen: 528.530 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN052828.D
Acq: 12 Dec 2018 15:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 42 Resp: 1371294
Ion Ratio Lower Upper
42 100
72 43.2 34.7 52.1
71 40.6 32.3 48.5

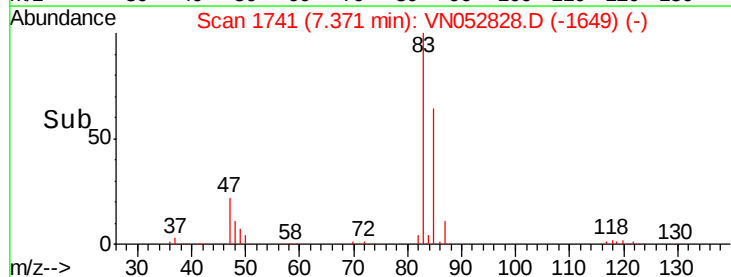
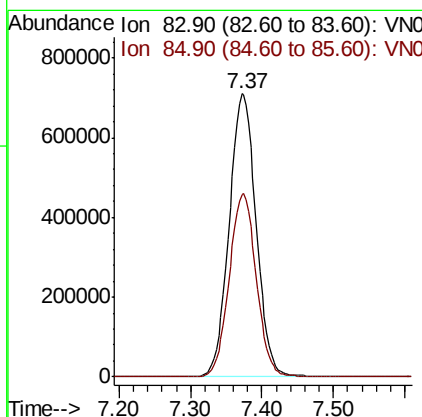
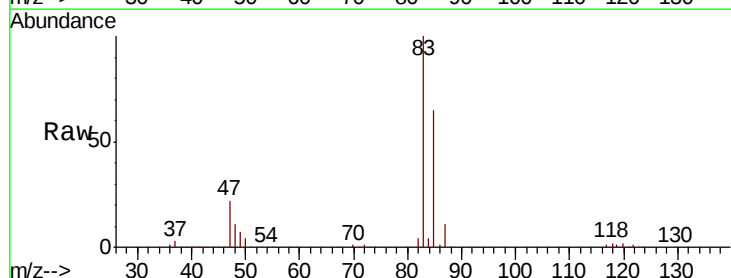
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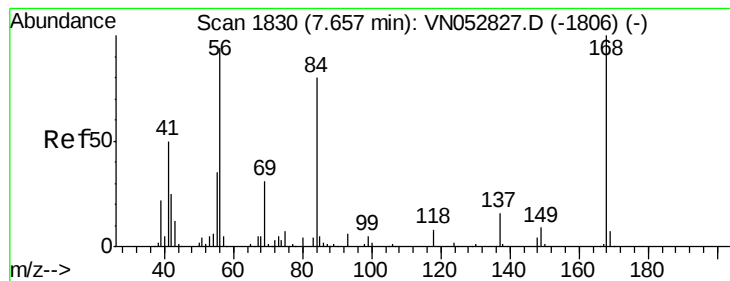
MMDadoda
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#30
Chloroform
Concen: 101.271 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052828.D
Acq: 12 Dec 2018 15:39

Tgt Ion: 83 Resp: 1871286
Ion Ratio Lower Upper
83 100
85 64.5 52.1 78.1





#31

Cyclohexane

Concen: 87.360 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052828.D

Acq: 12 Dec 2018 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 1845624

Ion Ratio Lower Upper

56 100

69 31.6 26.6 39.8

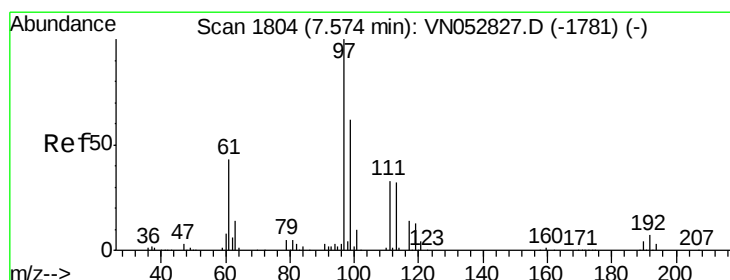
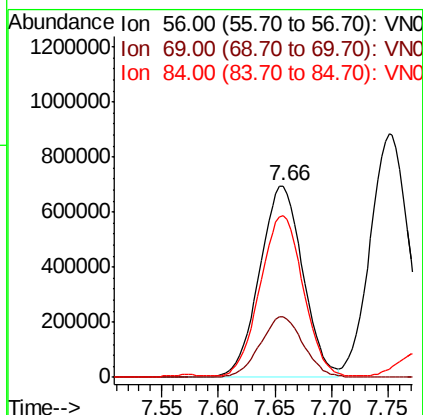
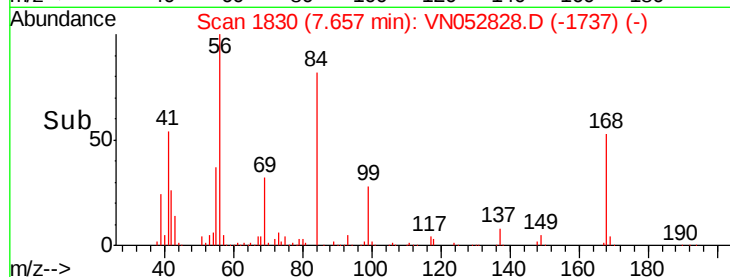
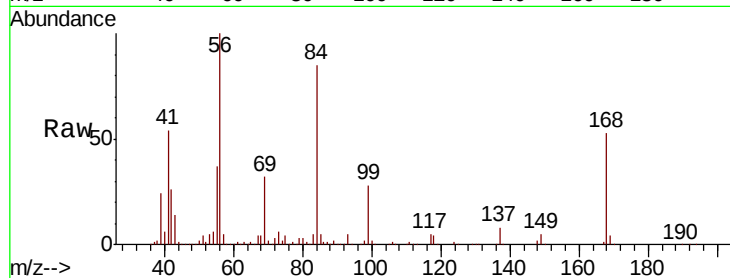
84 83.2 68.4 102.6

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 103.640 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052828.D

Acq: 12 Dec 2018 15:39

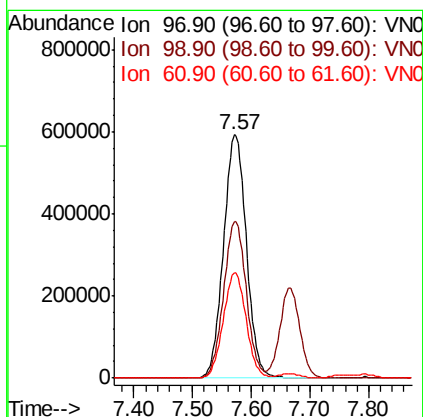
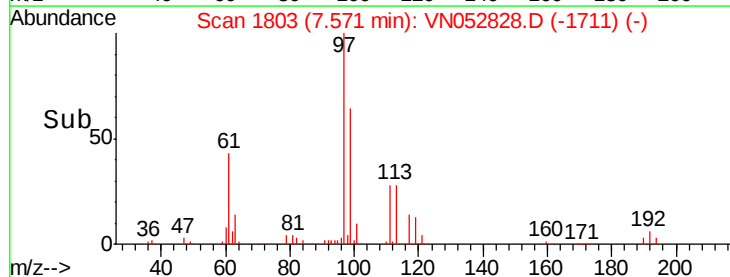
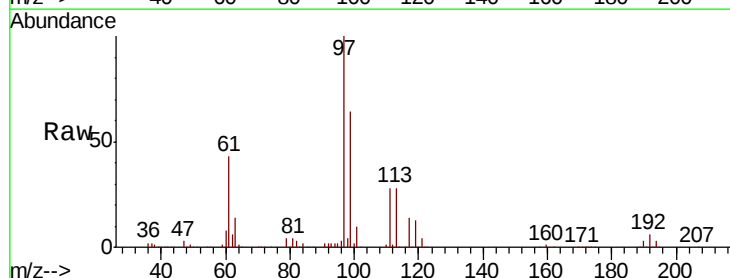
Tgt Ion: 97 Resp: 1602282

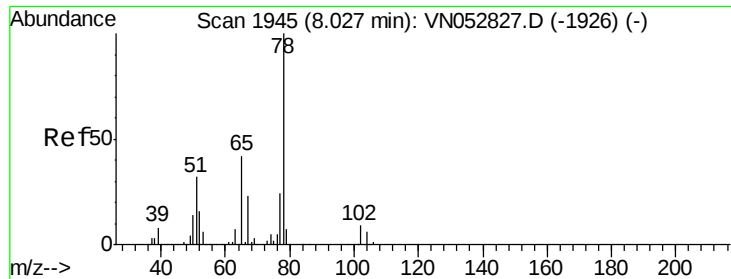
Ion Ratio Lower Upper

97 100

99 63.6 51.1 76.7

61 43.3 35.0 52.6





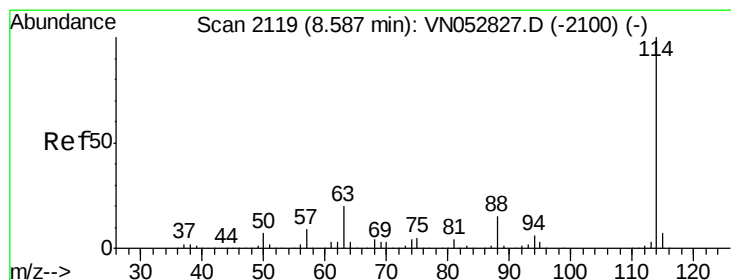
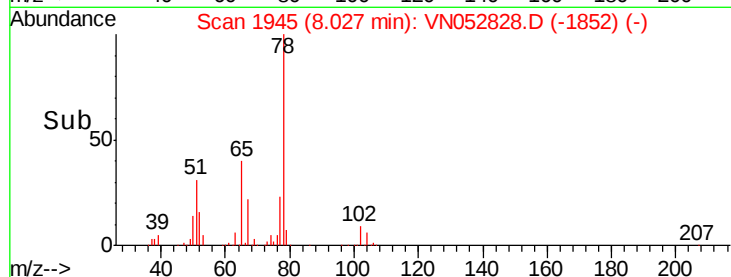
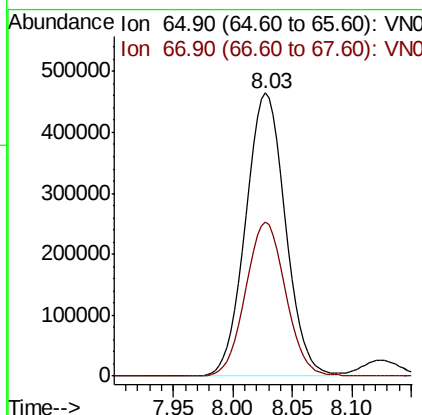
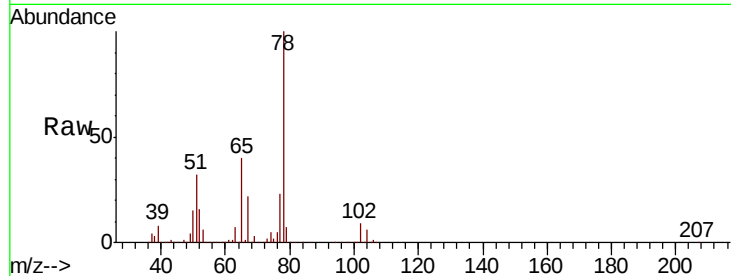
#33
 1,2-Dichloroethane-d4
 Concen: 103.640 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052828.D
 Acq: 12 Dec 2018 15:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 65 Resp: 1077744
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 110.4

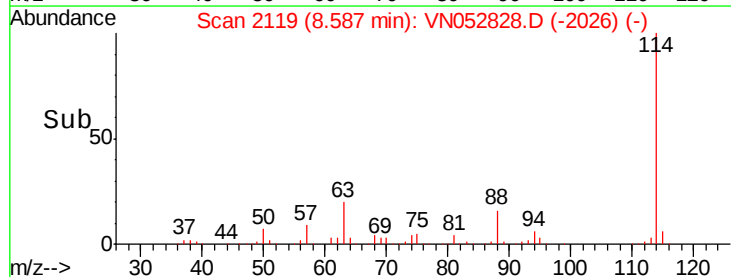
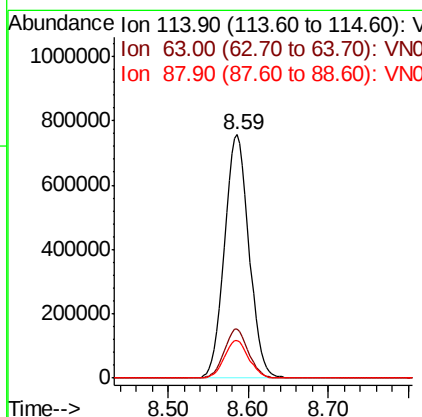
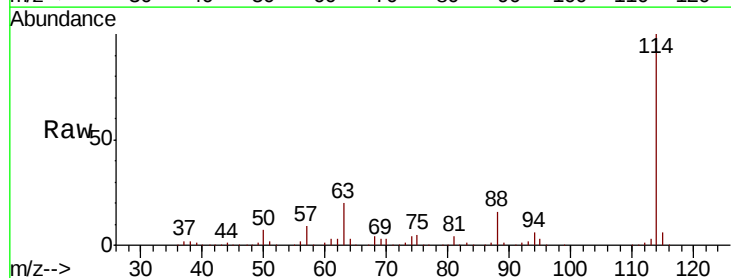
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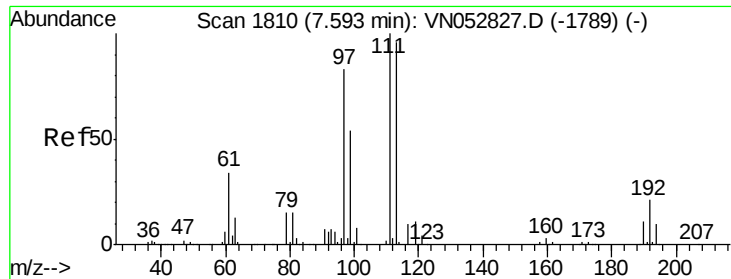
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052828.D
 Acq: 12 Dec 2018 15:39

Tgt Ion: 114 Resp: 1584179
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.8
 88 15.6 0.0 31.0





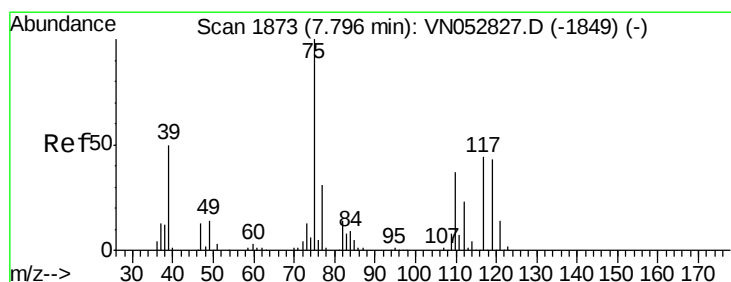
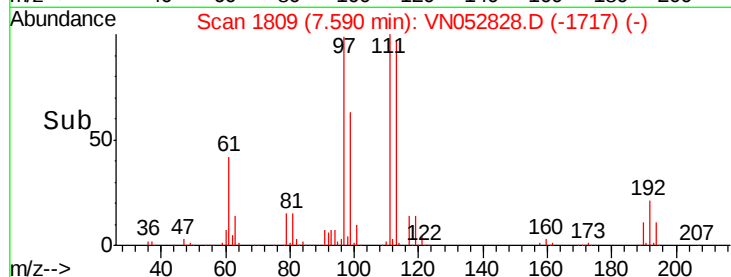
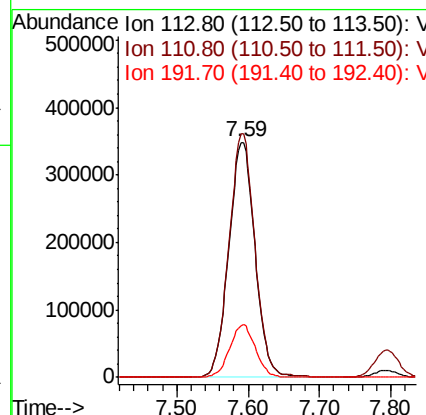
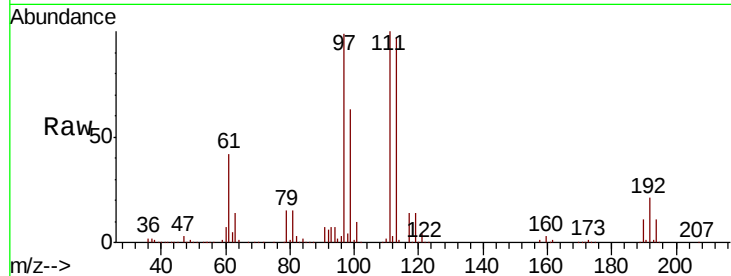
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052828.D
 Acq: 12 Dec 2018 15:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	891799		
111	102.4	83.0	124.4	
192	22.0	17.5	26.3	

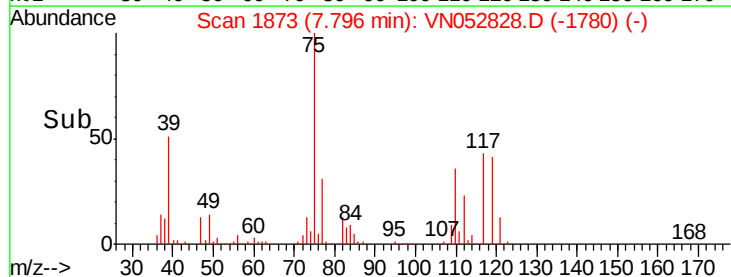
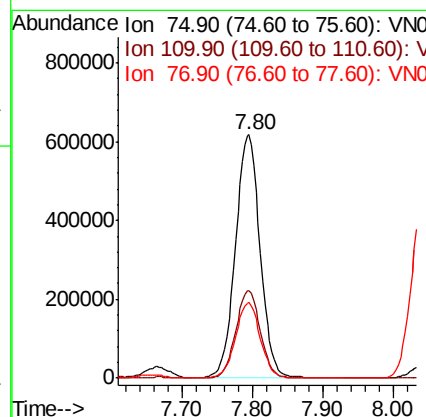
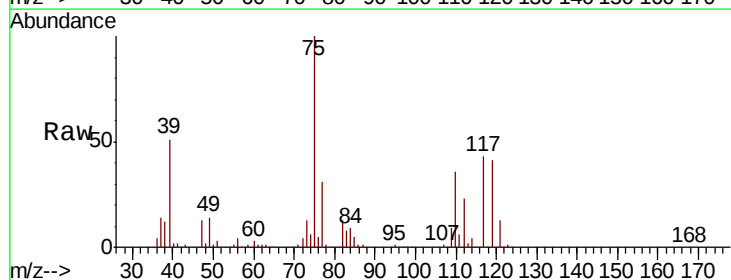
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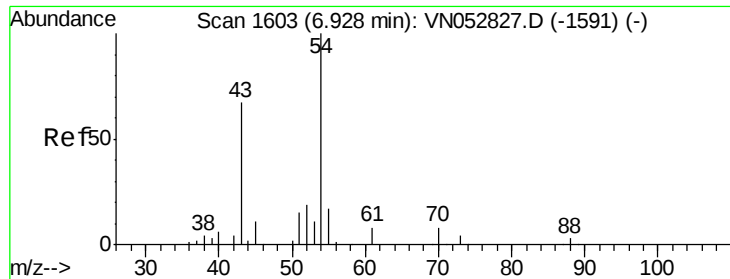
MMDadoda
 12/13/2018 1:36:16 PM



#36
 1,1-Dichloropropene
 Concen: 103.182 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052828.D
 Acq: 12 Dec 2018 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1505241		
110	35.9	18.2	54.6	
77	31.2	24.9	37.3	





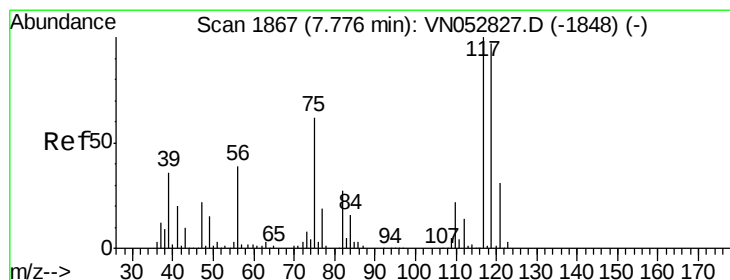
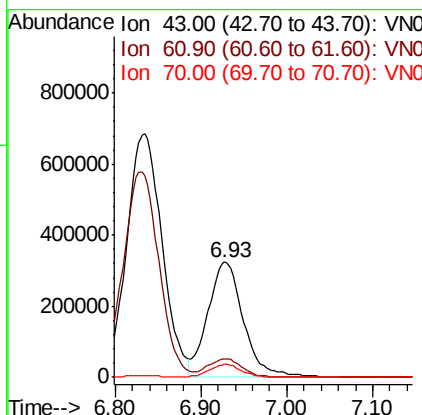
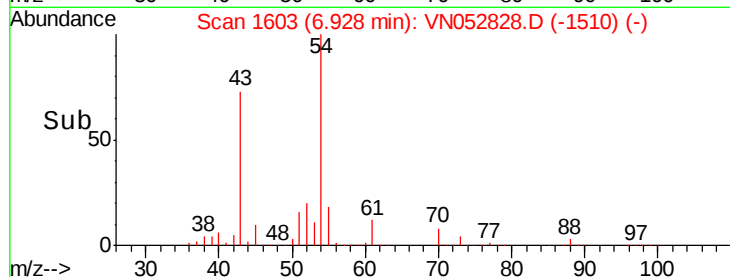
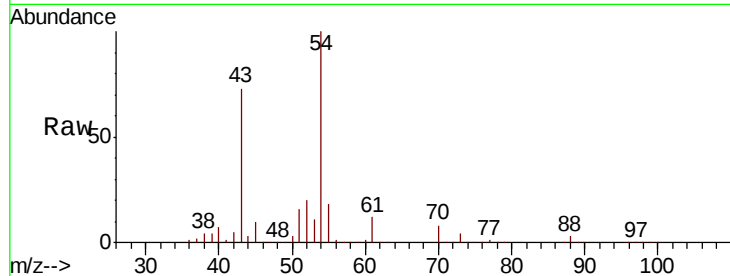
#37
Ethyl Acetate
Concen: 105.334 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN052828.D
Acq: 12 Dec 2018 15:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.9	11.8	17.6
70	10.5	8.4	12.6

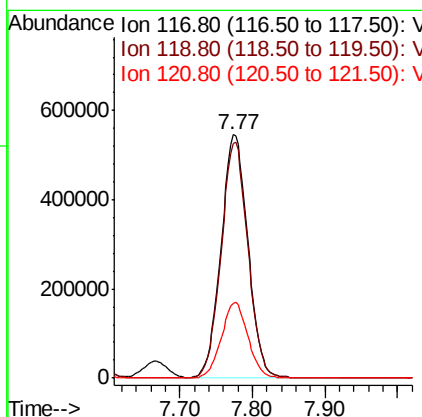
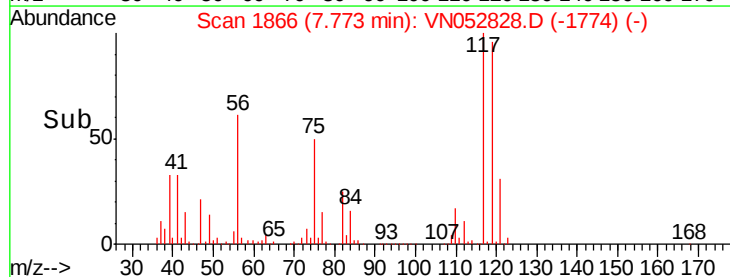
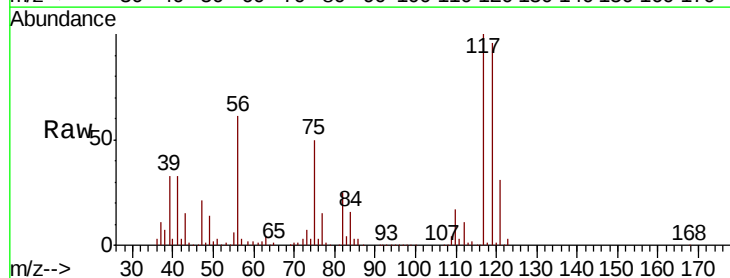
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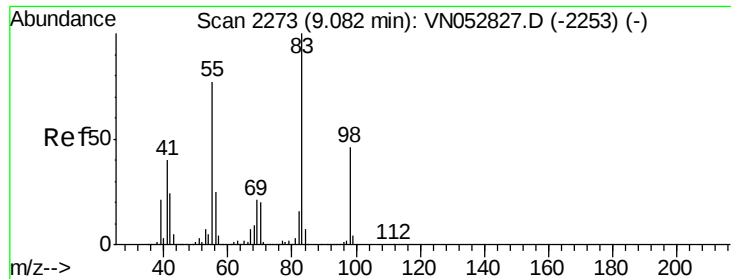
MMDadoda
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#38
Carbon Tetrachloride
Concen: 104.566 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052828.D
Acq: 12 Dec 2018 15:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.1	115.7
121	30.9	24.9	37.3





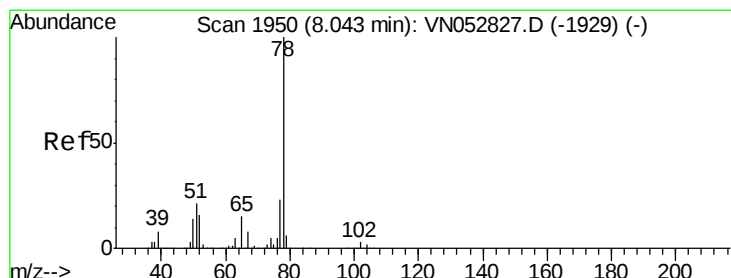
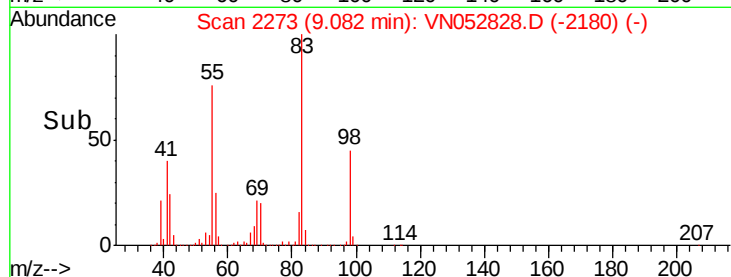
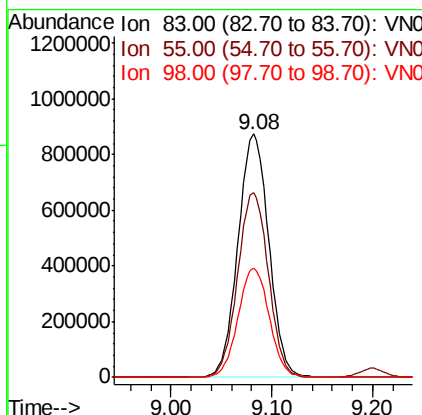
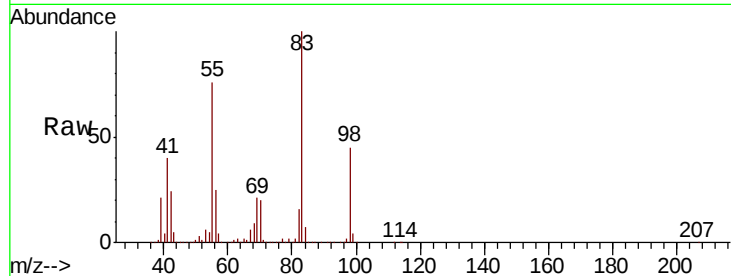
#39
Methvlcvclohexane
Concen: 103.149 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052828.D
Acq: 12 Dec 2018 15:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 83 Resp: 1846598
Ion Ratio Lower Upper
83 100
55 76.0 61.3 91.9
98 45.0 37.0 55.4

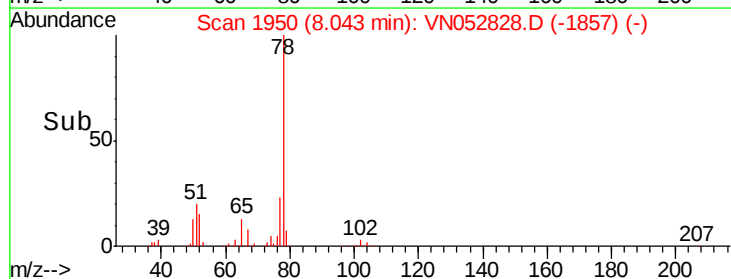
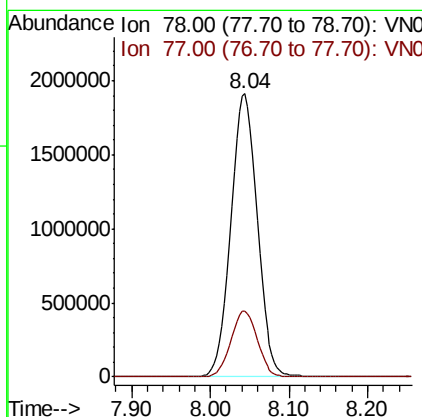
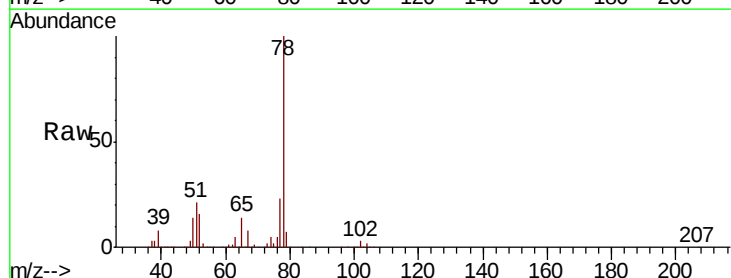
Manual Integrations
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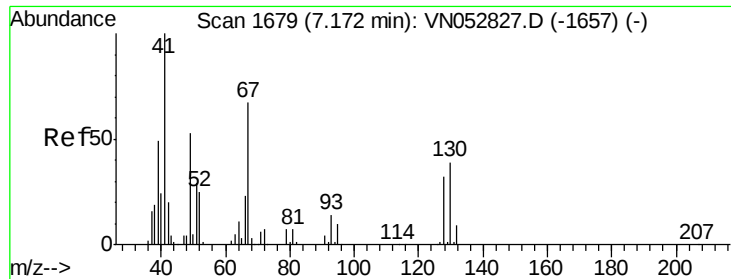
MMDadoda
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#40
Benzene
Concen: 101.700 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052828.D
Acq: 12 Dec 2018 15:39

Tgt Ion: 78 Resp: 4452881
Ion Ratio Lower Upper
78 100
77 23.4 18.5 27.7





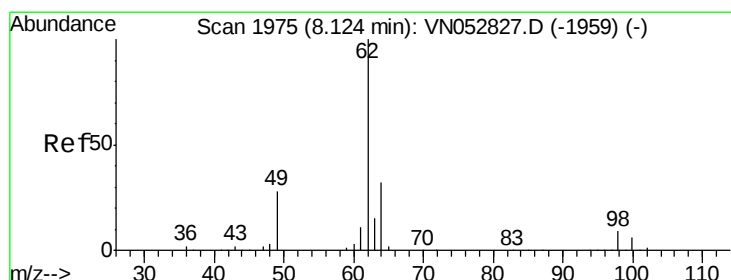
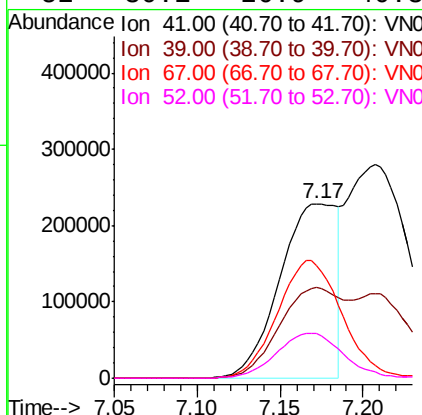
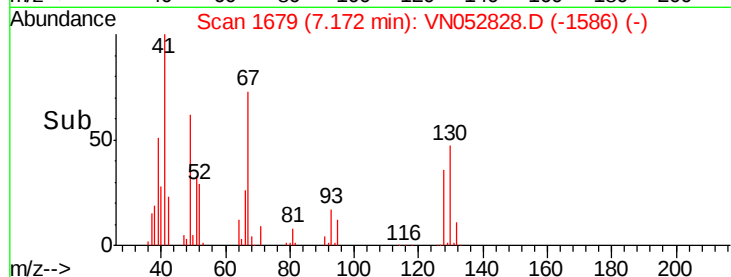
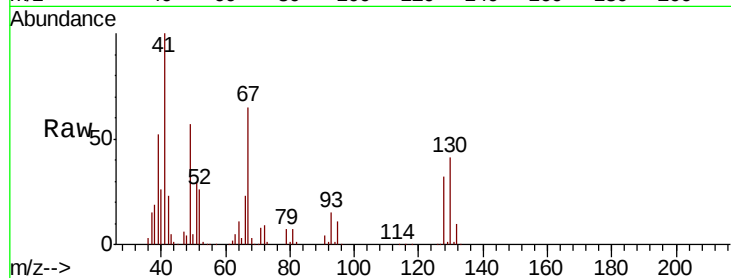
#41
Methacrylonitrile
Concen: 112.775 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052828.D
Acq: 12 Dec 2018 15:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.6	48.0	72.0
67	77.1	70.3	105.5
52	30.1	26.9	40.3

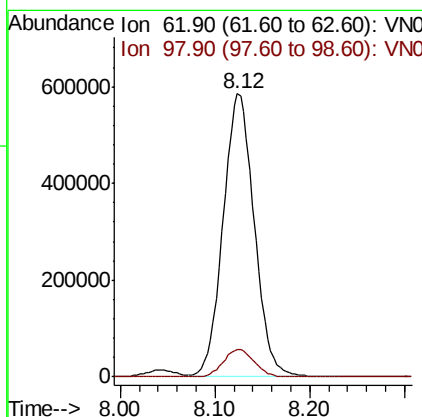
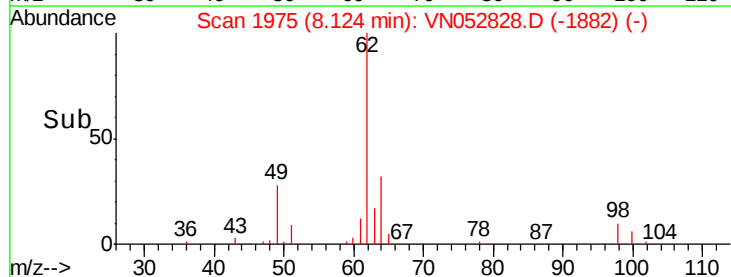
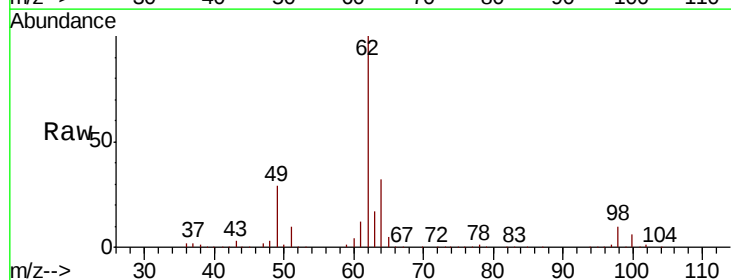
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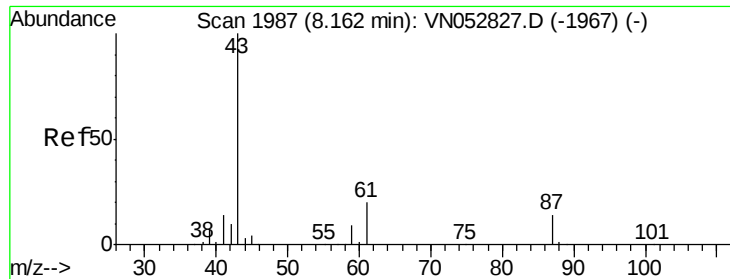
MMDadoda
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#42
1,2-Dichloroethane
Concen: 101.199 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052828.D
Acq: 12 Dec 2018 15:39

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.0





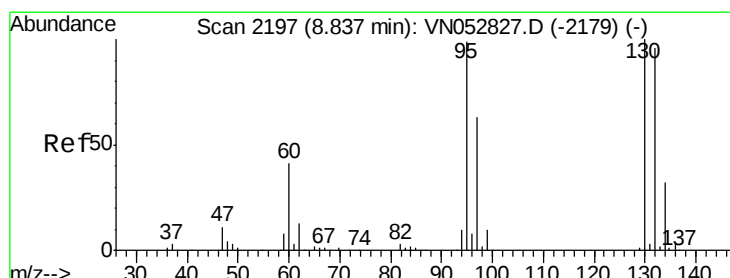
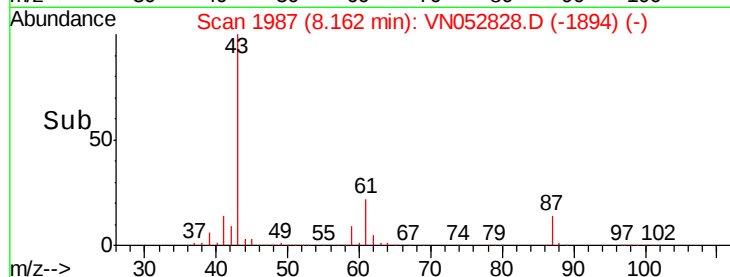
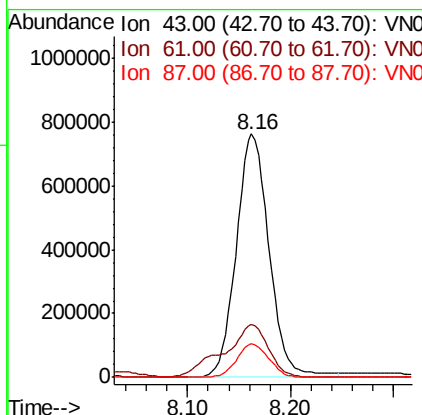
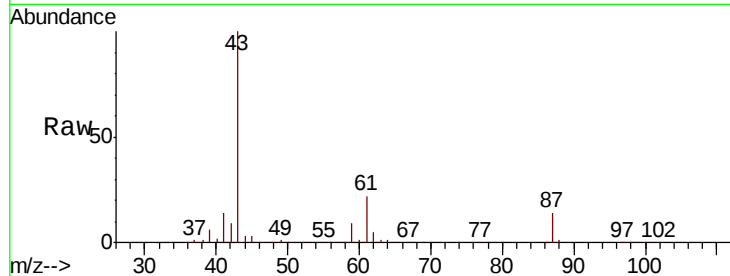
#43
Isopropyl Acetate
Concen: 93.834 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN052828.D
Acq: 12 Dec 2018 15:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1686007
Ion Ratio Lower Upper
43 100
61 29.5 22.9 34.3
87 13.4 10.6 15.8

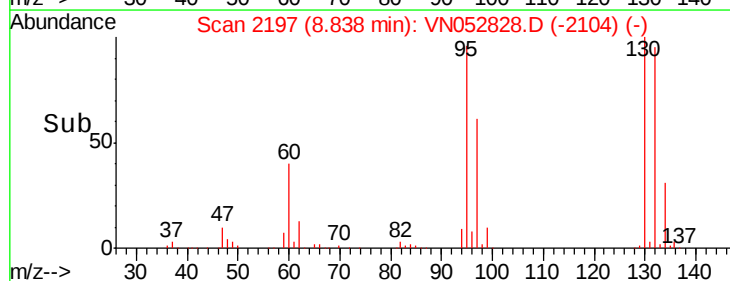
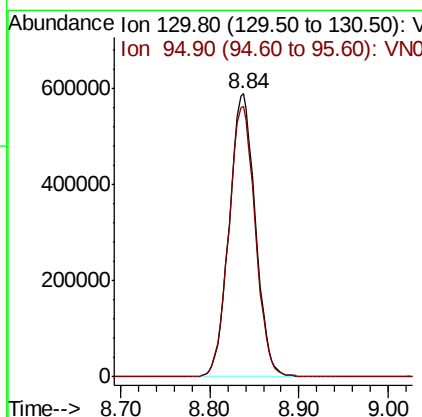
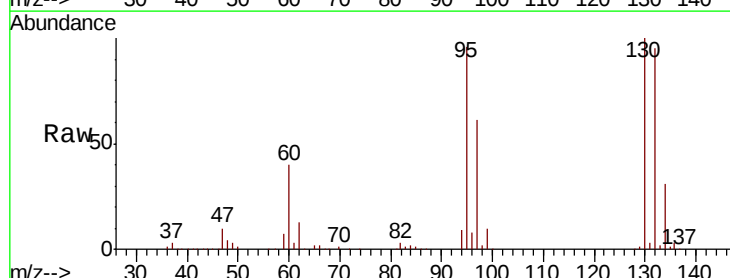
Manual Integrations
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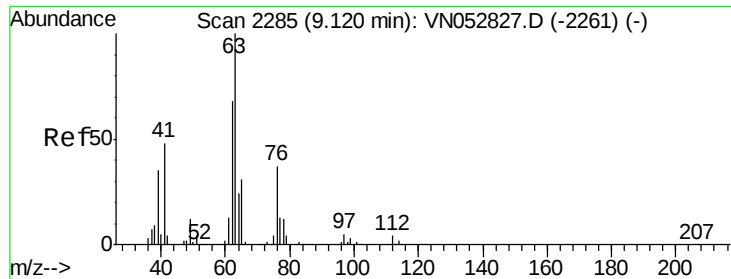
MMDadoda
12/13/2018 1:36:16 PM



#44
Trichloroethene
Concen: 101.099 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN052828.D
Acq: 12 Dec 2018 15:39

Tgt Ion:130 Resp: 1195657
Ion Ratio Lower Upper
130 100
95 95.7 0.0 197.8





#45

1,2-Dichloropropane

Concen: 103.060 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052828.D

Acq: 12 Dec 2018 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 1181917

Ion Ratio Lower Upper

63 100

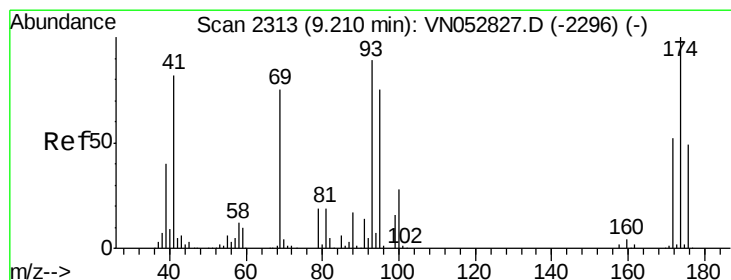
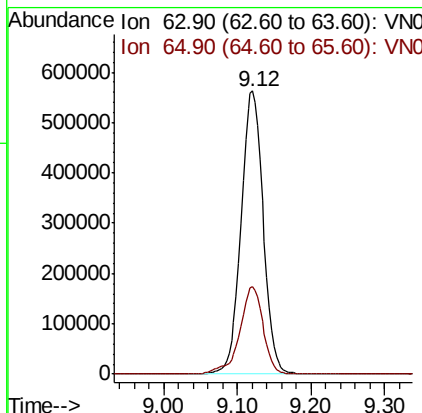
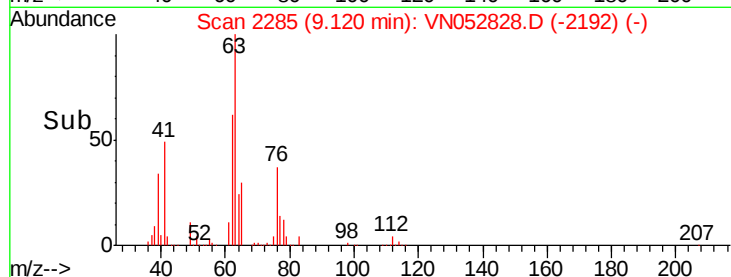
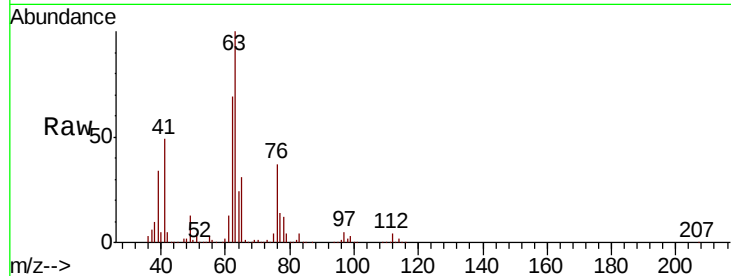
65 30.8 24.6 37.0

Manual Integrations

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#46

Dibromomethane

Concen: 101.469 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052828.D

Acq: 12 Dec 2018 15:39

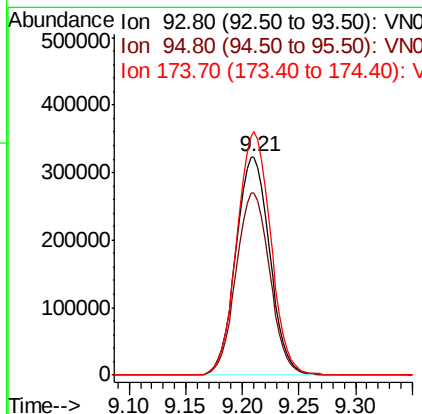
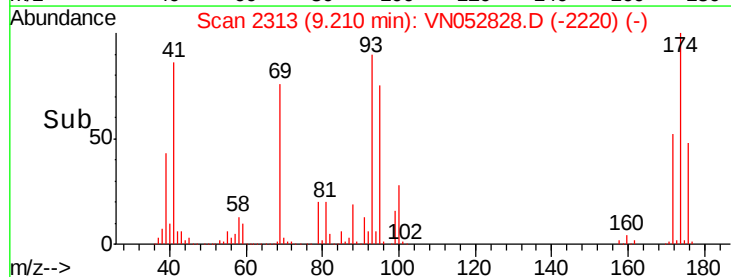
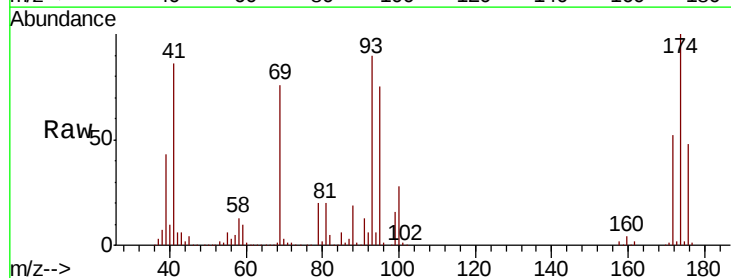
Tgt Ion: 93 Resp: 674869

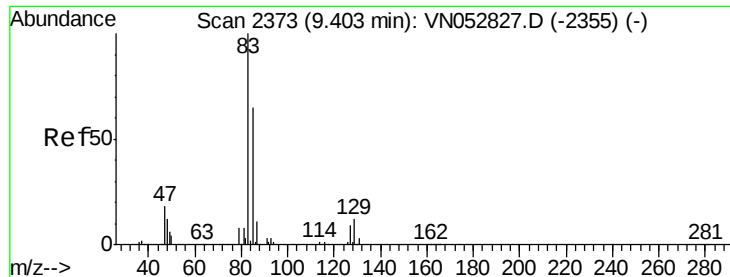
Ion Ratio Lower Upper

93 100

95 83.2 67.8 101.6

174 111.3 89.0 133.4





#47

Bromodichloromethane

Concen: 104.544 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052828.D

Acq: 12 Dec 2018 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 1441873

Ion Ratio Lower Upper

83 100

85 64.5 51.6 77.4

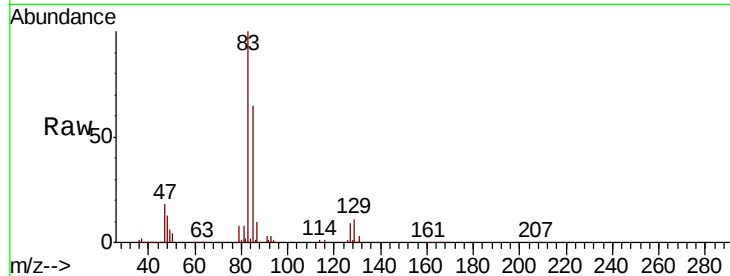
127 8.8 7.1 10.7

Manual Integrations

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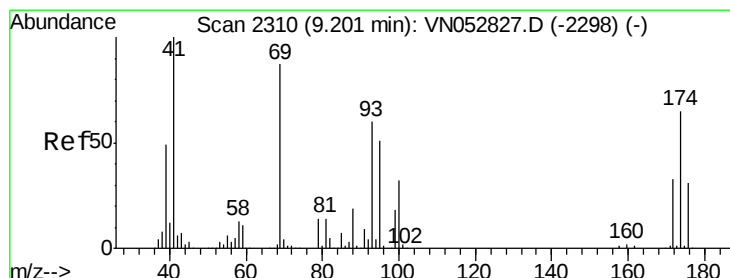
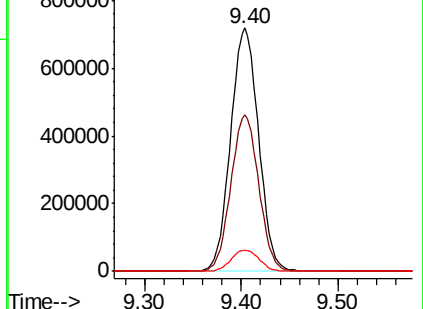
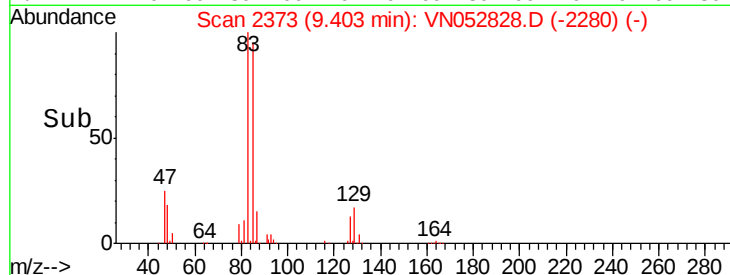


Abundance Ion 82.90 (82.60 to 83.60): VN052828.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052828.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052828.D (-2280) (-)

Time-->



#48

Methyl methacrylate

Concen: 108.527 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052828.D

Acq: 12 Dec 2018 15:39

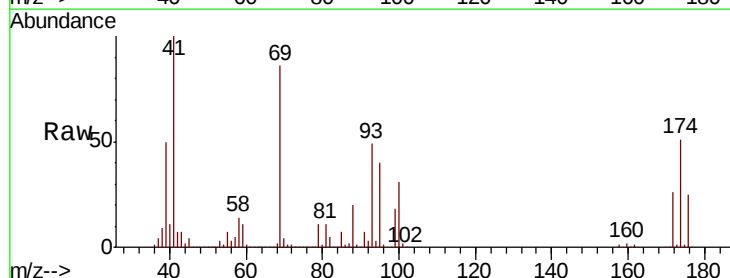
Tgt Ion: 41 Resp: 855160

Ion Ratio Lower Upper

41 100

69 89.9 72.2 108.2

39 53.1 41.9 62.9

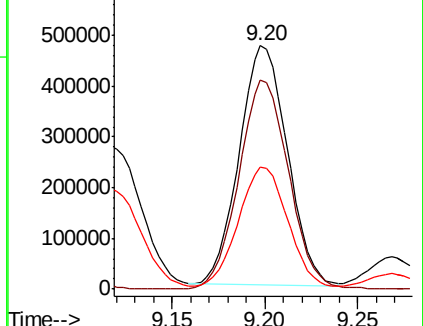
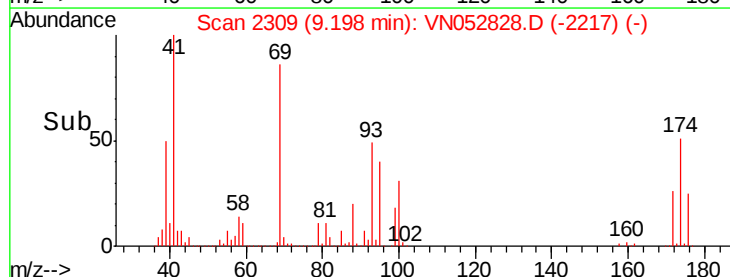


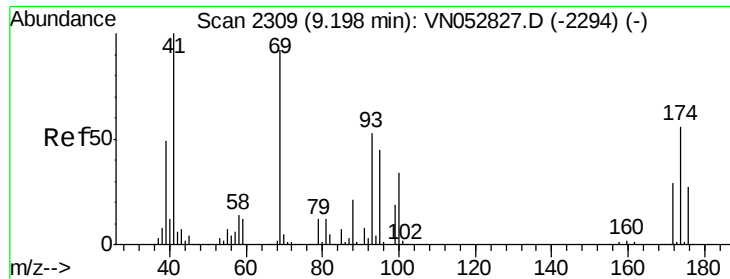
Abundance Ion 41.00 (40.70 to 41.70): VN052828.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN052828.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN052828.D (-2217) (-)

Time-->





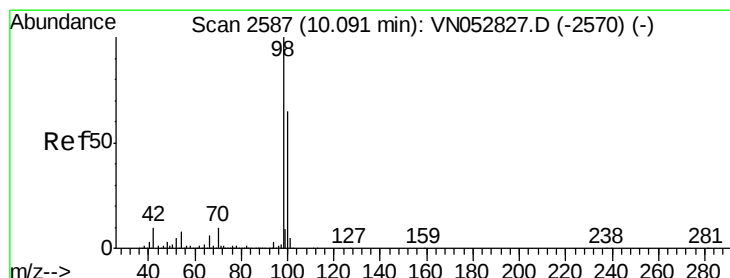
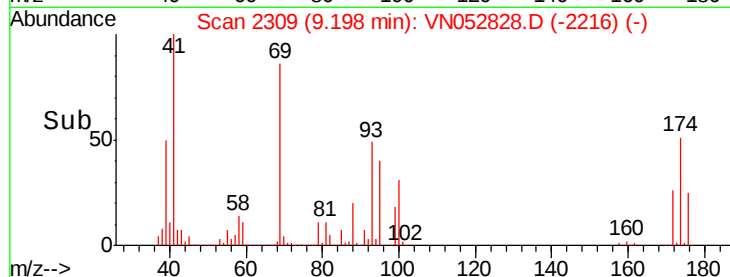
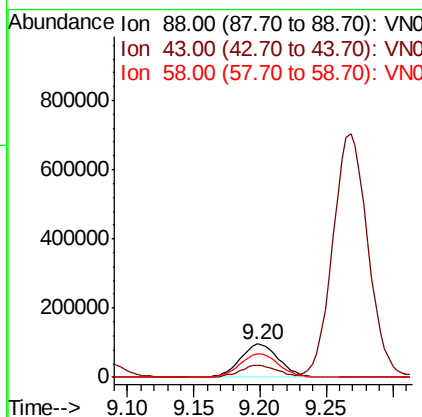
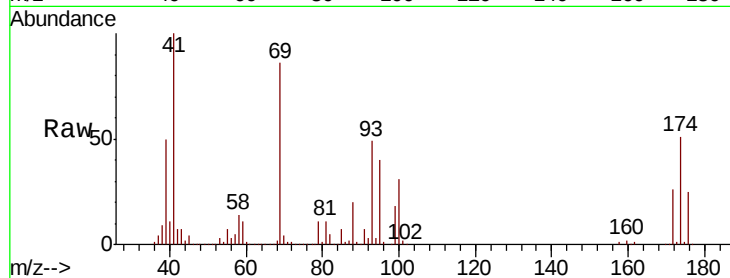
#49
1,4-Dioxane
Concen: 2187.578 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN052828.D
Acq: 12 Dec 2018 15:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	88	Resp	195660
Ion	Ratio	Lower	Upper
88	100		
43	33.6	26.6	40.0
58	70.7	58.4	87.6

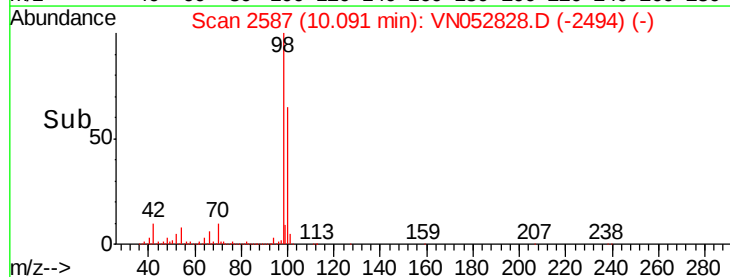
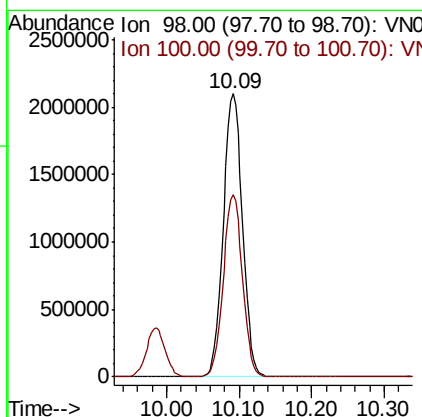
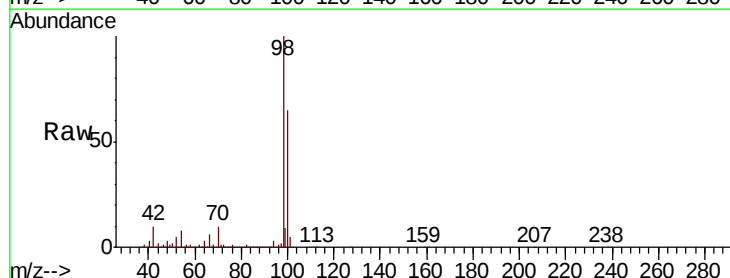
Manual Integrations
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#50
Toluene-d8
Concen: 2187.578 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052828.D
Acq: 12 Dec 2018 15:39

Tgt Ion	98	Resp	3841603
Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.6	77.4





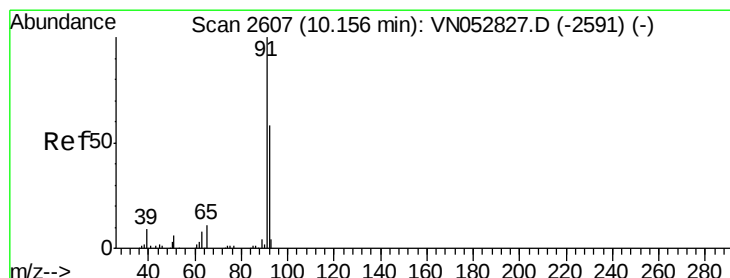
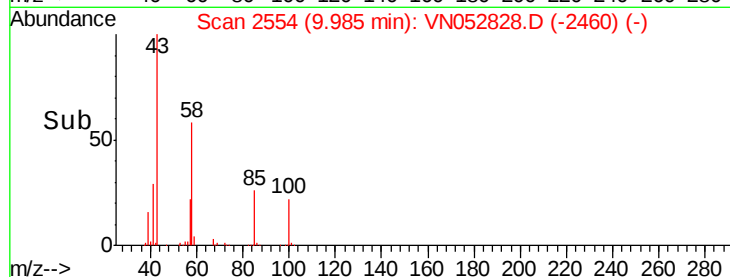
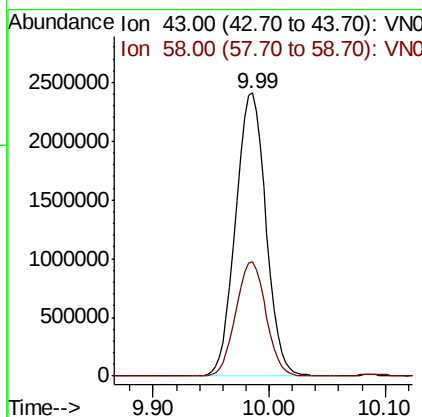
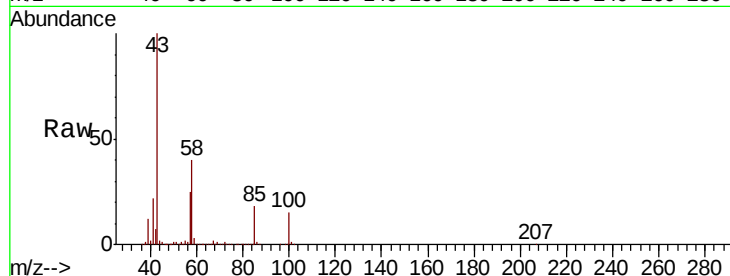
#51
4-Methyl-2-Pentanone
Concen: 530.032 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052828.D
Acq: 12 Dec 2018 15:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 4366954
Ion Ratio Lower Upper
43 100
58 40.3 32.2 48.4

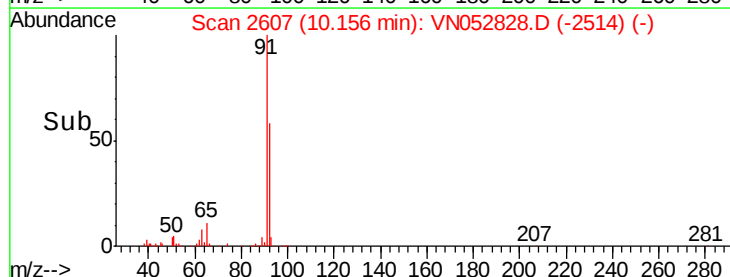
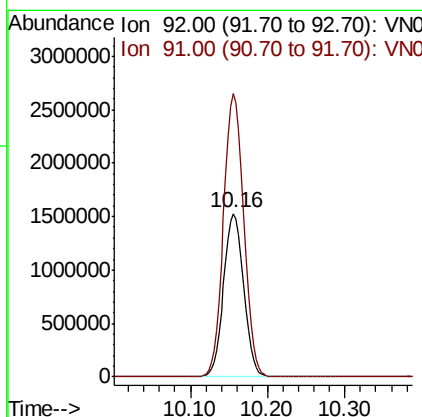
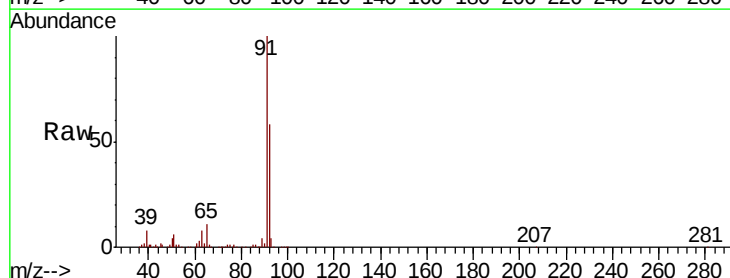
Manual Integrations
APPROVED

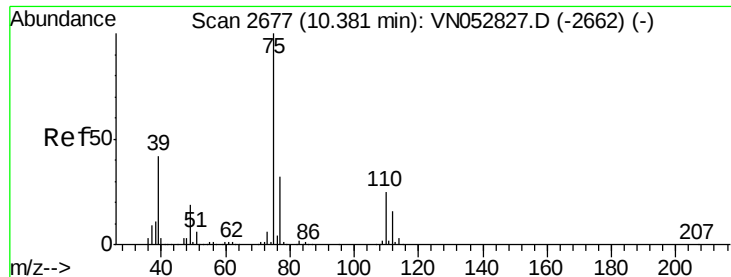
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#52
Toluene
Concen: 103.788 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052828.D
Acq: 12 Dec 2018 15:39

Tgt Ion: 92 Resp: 2752297
Ion Ratio Lower Upper
92 100
91 174.8 139.8 209.6





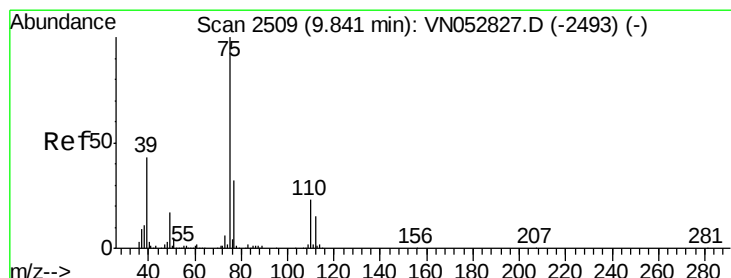
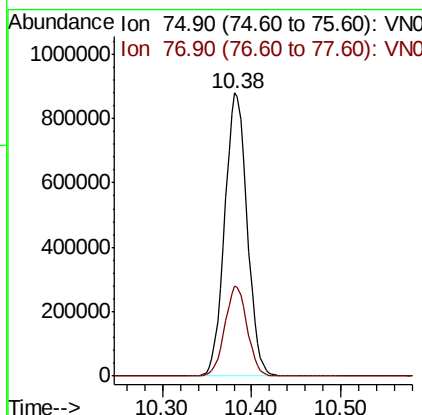
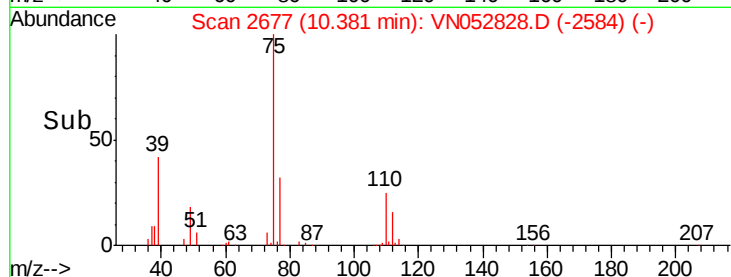
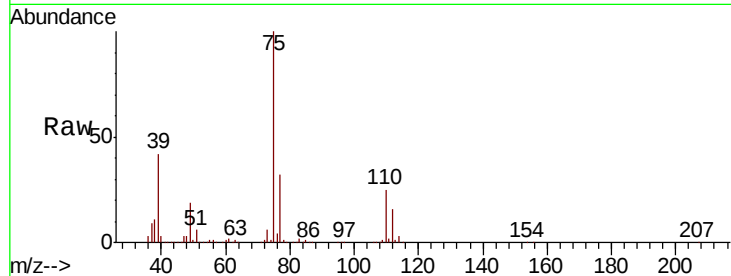
#53
 t-1,3-Dichloropropene
 Concen: 110.245 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN052828.D
 Acq: 12 Dec 2018 15:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 75 Resp: 1530060
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.6 38.4

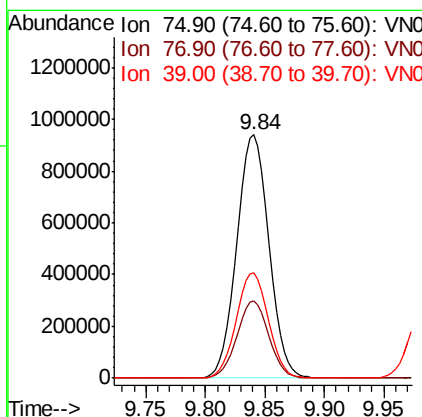
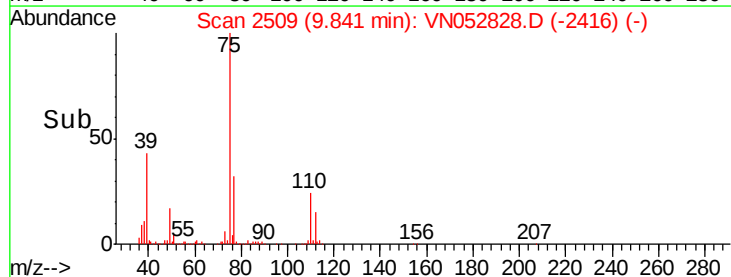
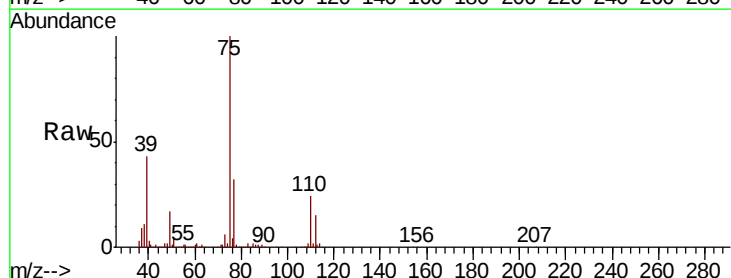
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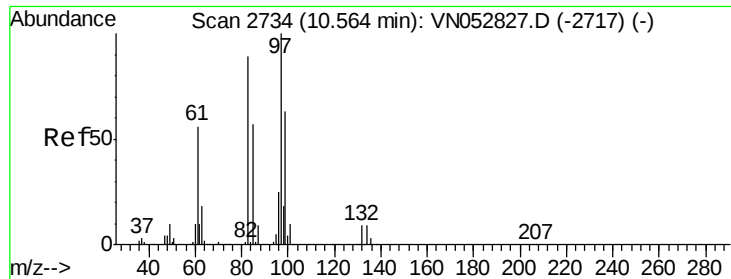
MMDadoda
 12/13/2018 1:36:16 PM



#54
 cis-1,3-Dichloropropene
 Concen: 106.779 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN052828.D
 Acq: 12 Dec 2018 15:39

Tgt Ion: 75 Resp: 1765938
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.8 38.8
 39 43.2 34.8 52.2





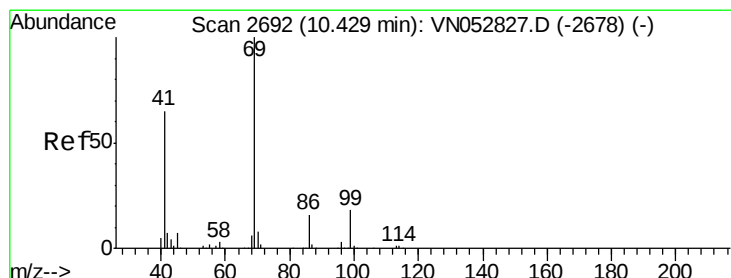
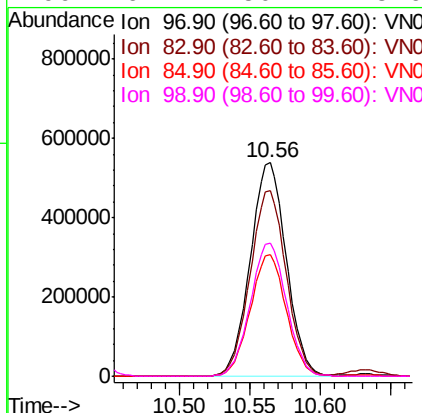
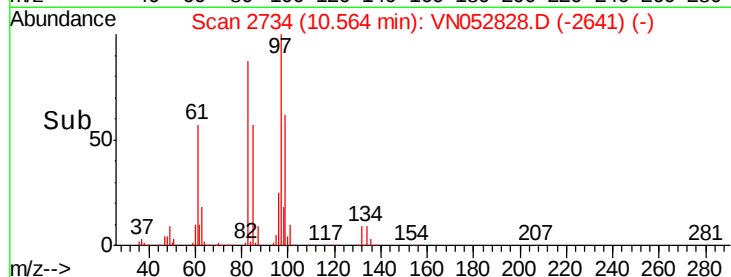
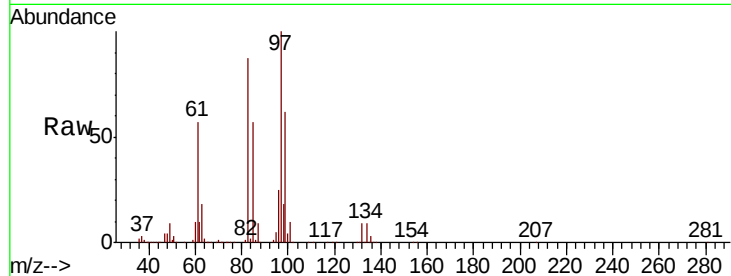
#55
 1,1,2-Trichloroethane
 Concen: 102.052 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052828.D
 Acq: 12 Dec 2018 15:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	86.7	70.9	106.3	
85	57.0	45.4	68.2	
99	62.4	50.4	75.6	

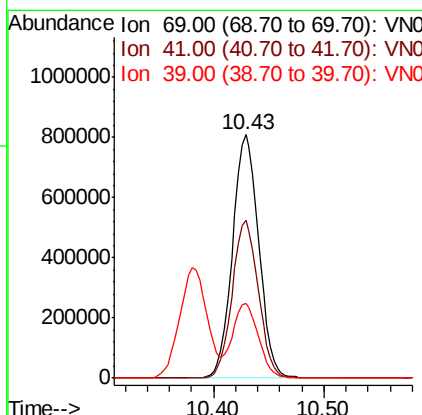
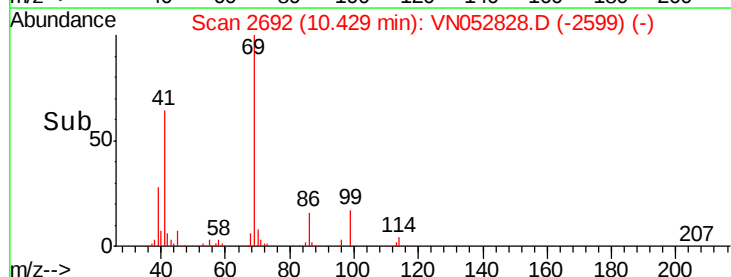
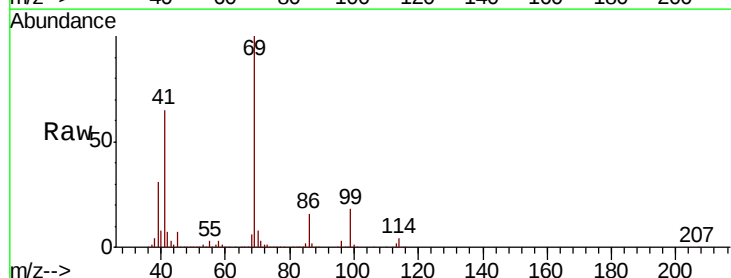
Manual Integrations
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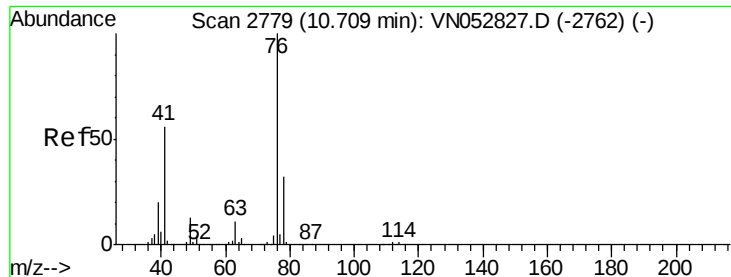
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#56
 Ethyl methacrylate
 Concen: 109.866 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052828.D
 Acq: 12 Dec 2018 15:39

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	64.3	51.7	77.5	
39	30.5	24.6	37.0	





#57

1,3-Dichloropropane

Concen: 103.222 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052828.D

Acq: 12 Dec 2018 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 1675640

Ion Ratio Lower Upper

76 100

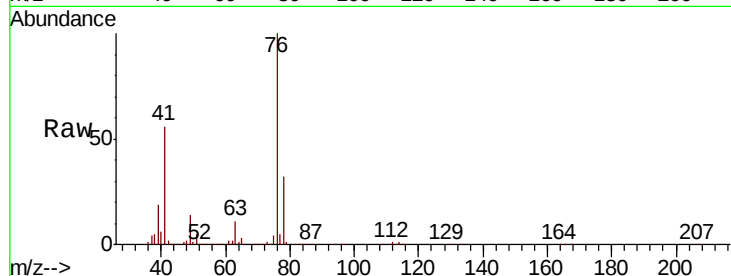
78 31.9 25.8 38.8

Manual Integrations

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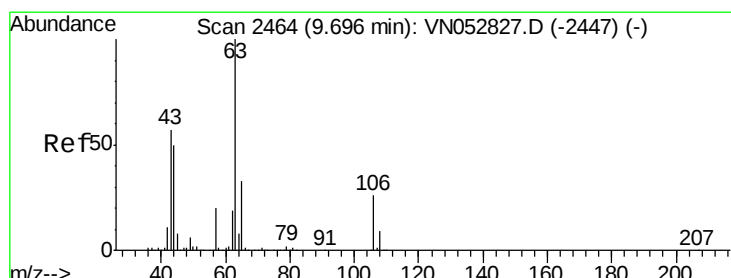
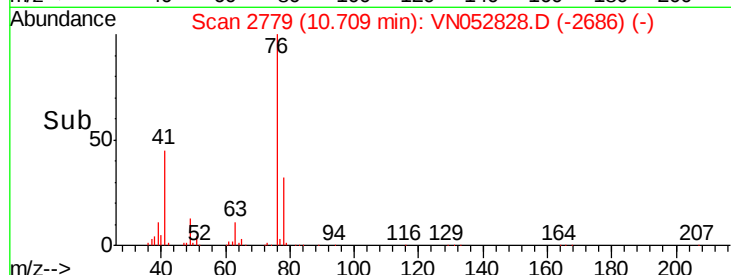
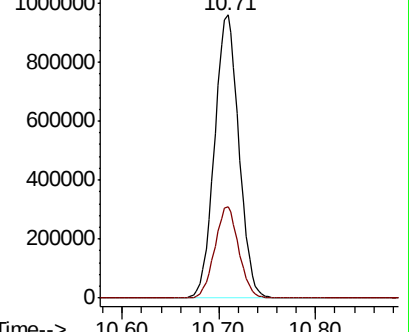
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 545.936 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052828.D

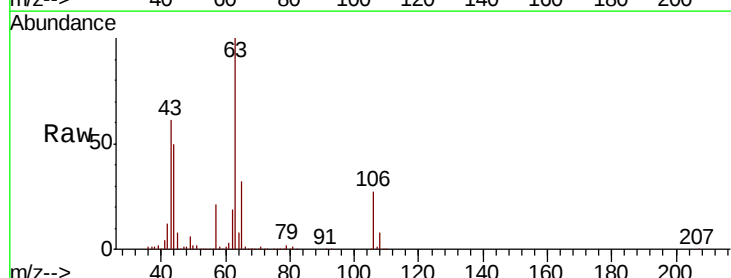
Acq: 12 Dec 2018 15:39

Tgt Ion: 63 Resp: 3700709

Ion Ratio Lower Upper

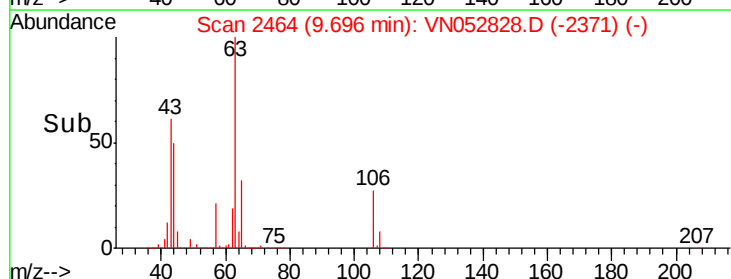
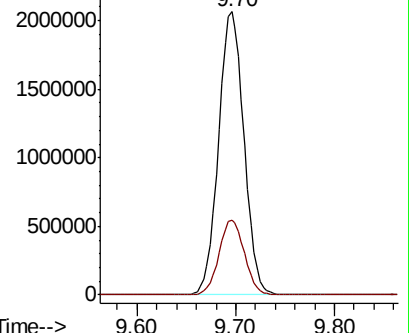
63 100

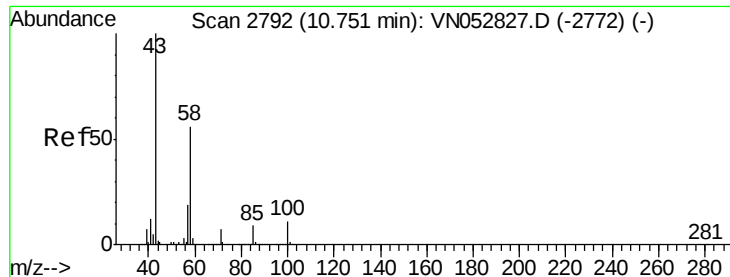
106 26.4 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





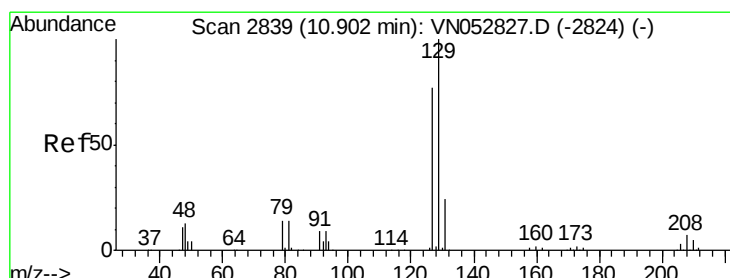
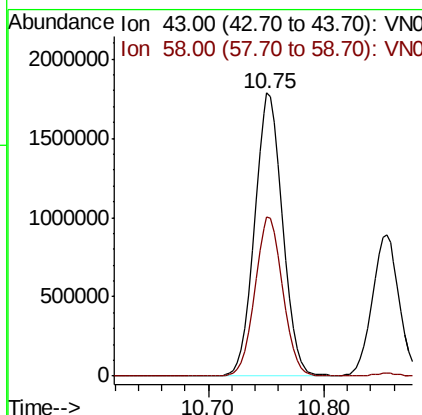
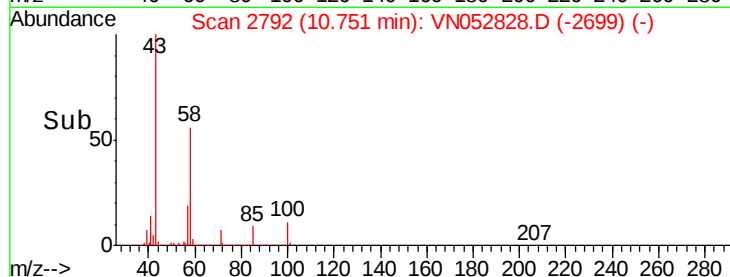
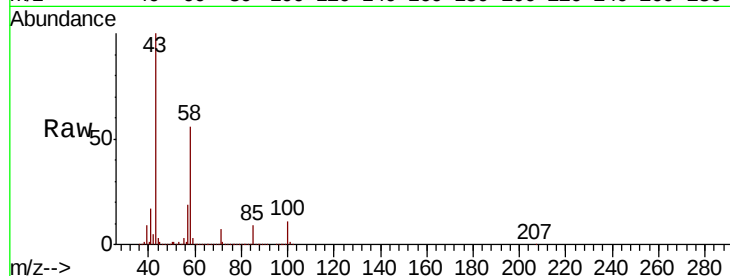
#59
2-Hexanone
Concen: 531.629 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052828.D
Acq: 12 Dec 2018 15:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 3001771
Ion Ratio Lower Upper
43 100
58 56.3 28.1 84.3

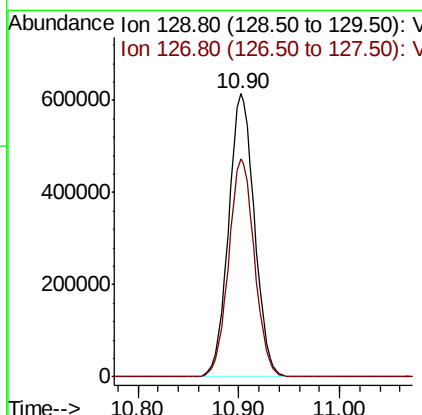
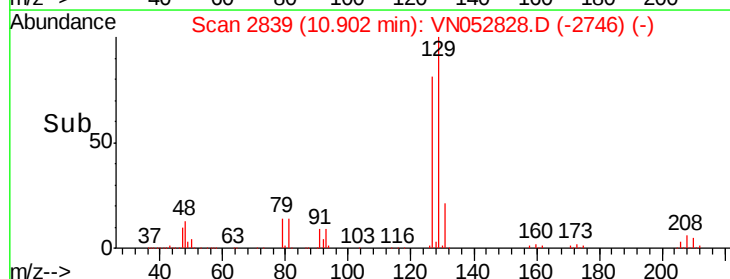
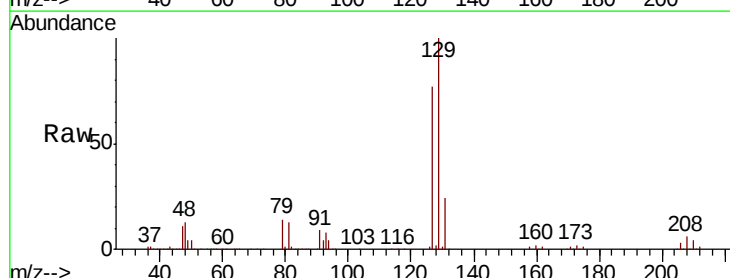
Manual Integrations
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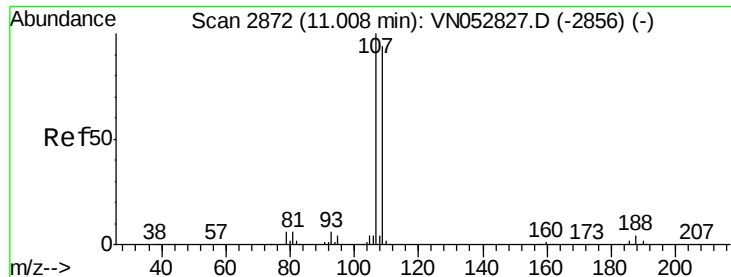
MMDadoda
12/13/2018 1:36:16 PM



#60
Dibromochloromethane
Concen: 107.332 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052828.D
Acq: 12 Dec 2018 15:39

Tgt Ion: 129 Resp: 1098096
Ion Ratio Lower Upper
129 100
127 76.9 38.6 116.0





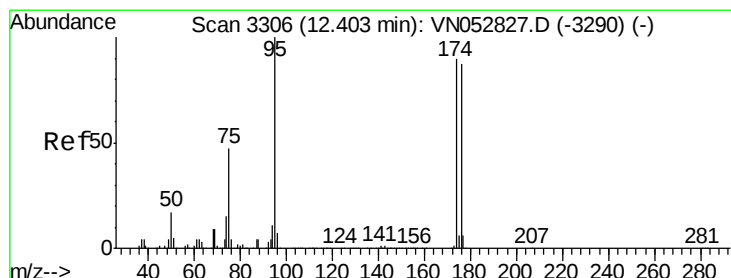
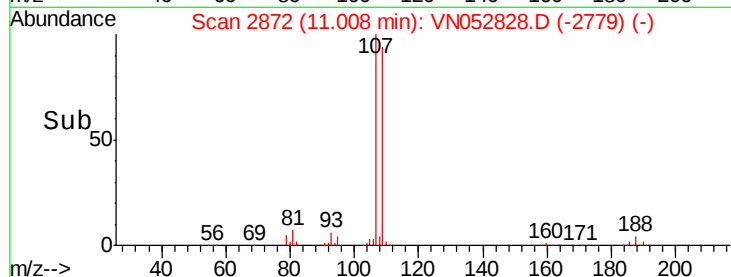
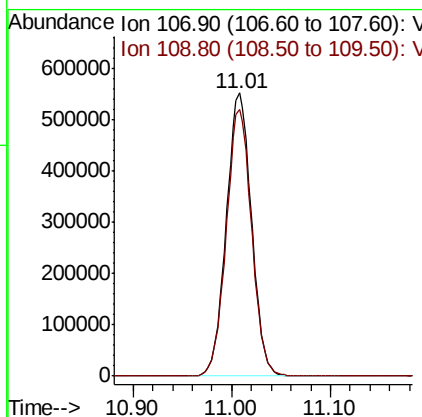
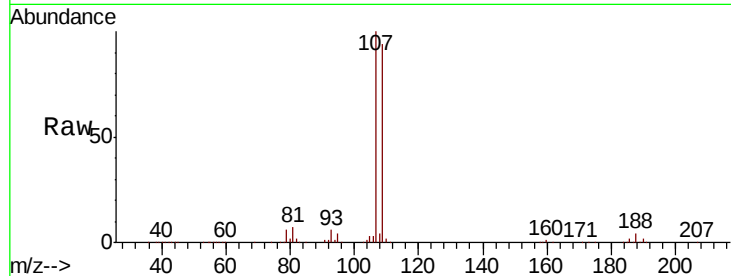
#61
 1,2-Dibromoethane
 Concen: 105.441 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052828.D
 Acq: 12 Dec 2018 15:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 107 Resp: 986624
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.4 113.0

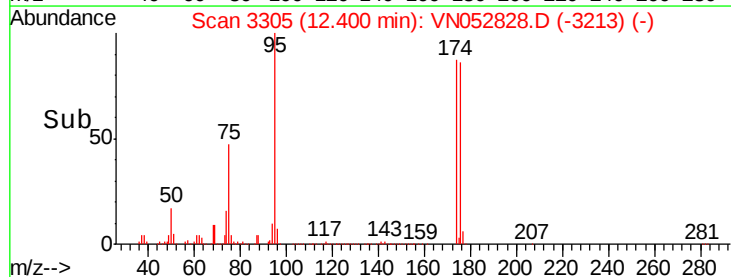
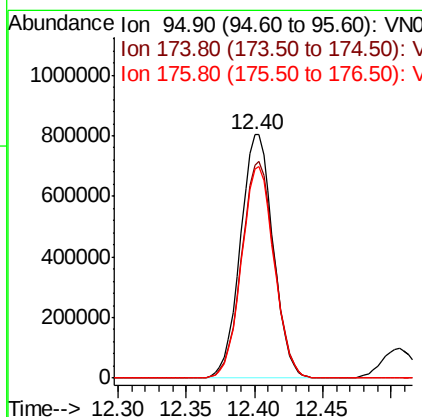
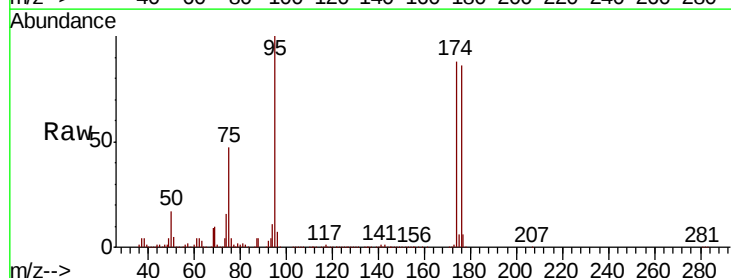
Manual Integrations
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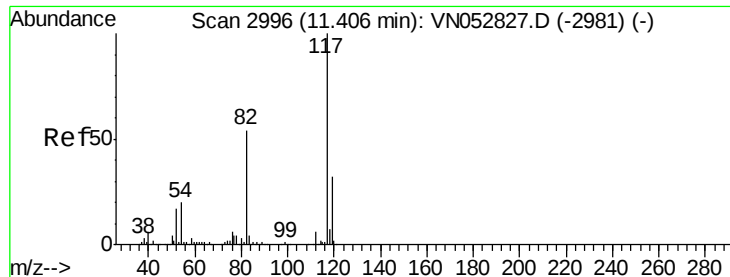
MMDadoda
 12/13/2018 1:36:16 PM



#62
 4-Bromofluorobenzene
 Concen: 105.441 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052828.D
 Acq: 12 Dec 2018 15:39

Tgt Ion: 95 Resp: 1337937
 Ion Ratio Lower Upper
 95 100
 174 88.7 0.0 178.8
 176 86.4 0.0 173.8





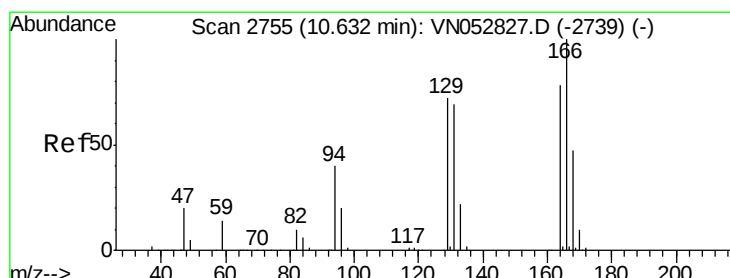
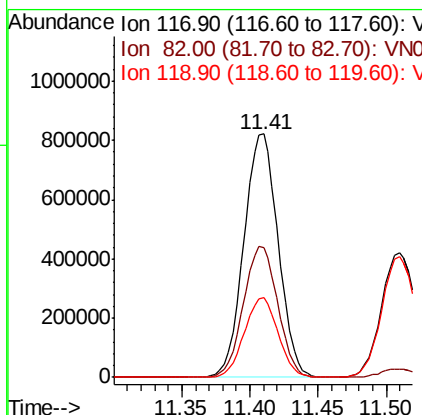
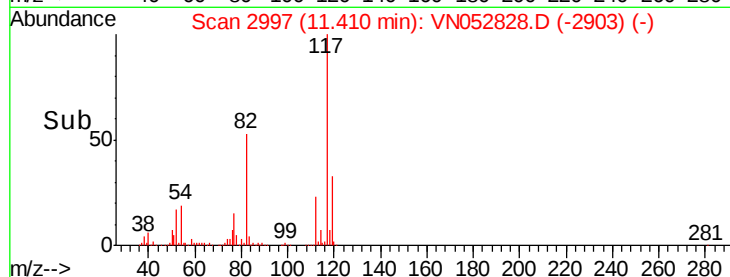
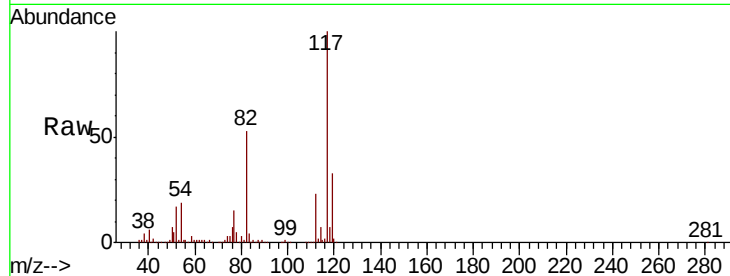
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052828.D
Acq: 12 Dec 2018 15:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:117 Resp: 1431428
Ion Ratio Lower Upper
117 100
82 53.2 42.8 64.2
119 32.6 25.5 38.3

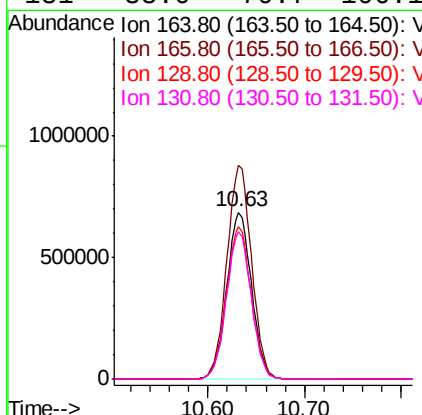
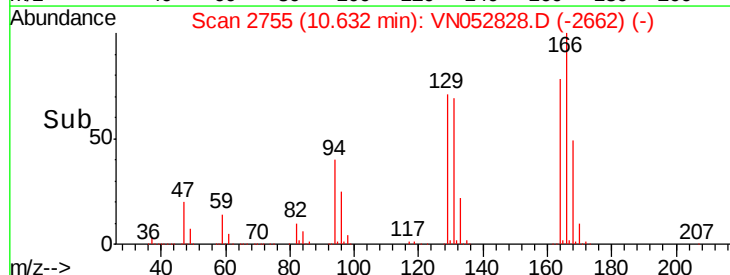
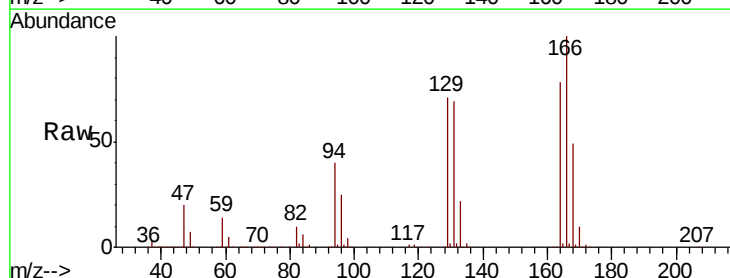
Manual Integrations
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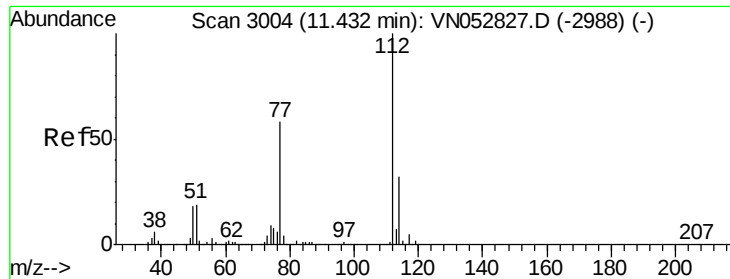
MMDadoda
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#64
Tetrachloroethene
Concen: 98.996 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052828.D
Acq: 12 Dec 2018 15:39

Tgt Ion:164 Resp: 1217924
Ion Ratio Lower Upper
164 100
166 128.0 102.9 154.3
129 91.4 73.7 110.5
131 88.0 70.7 106.1





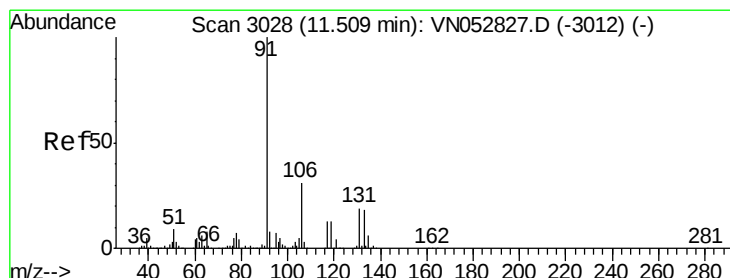
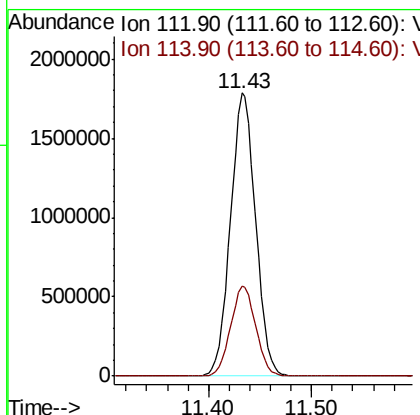
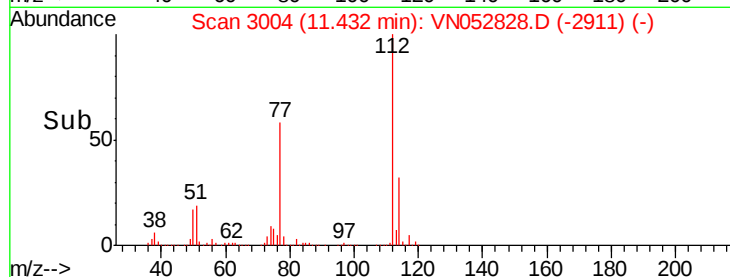
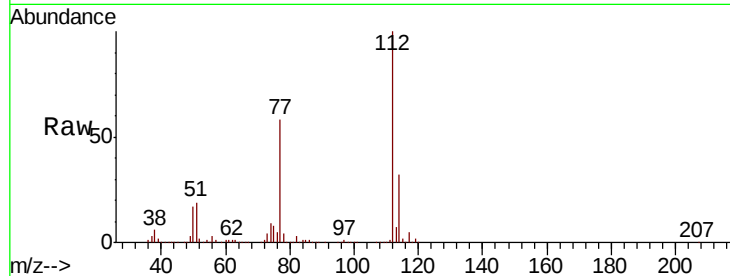
#65
Chlorobenzene
Concen: 101.935 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052828.D
Acq: 12 Dec 2018 15:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 3027178
Ion Ratio Lower Upper
112 100
114 31.7 25.5 38.3

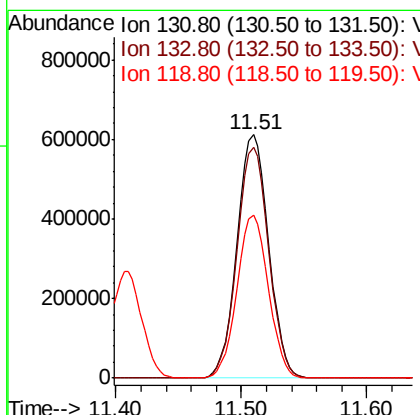
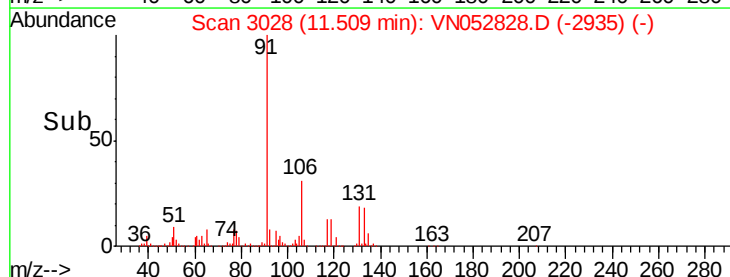
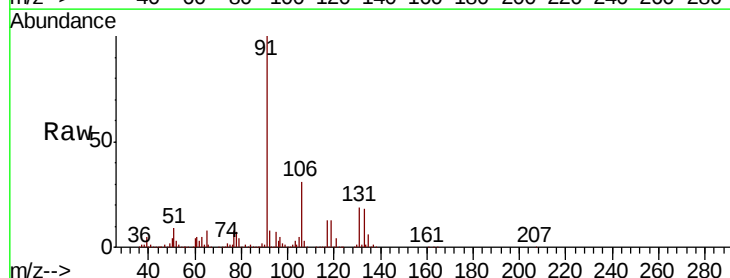
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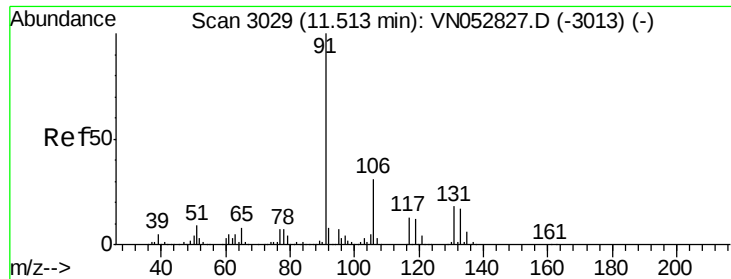
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 103.591 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052828.D
Acq: 12 Dec 2018 15:39

Tgt Ion:131 Resp: 1069918
Ion Ratio Lower Upper
131 100
133 95.2 47.6 142.9
119 66.6 33.3 99.8





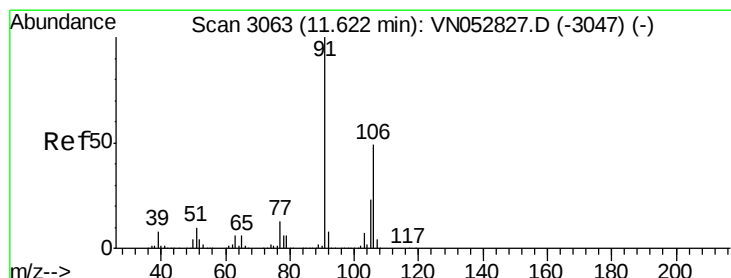
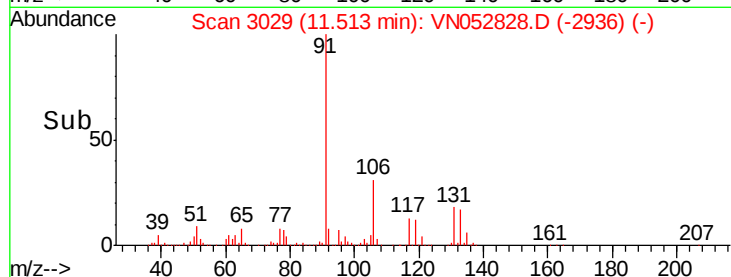
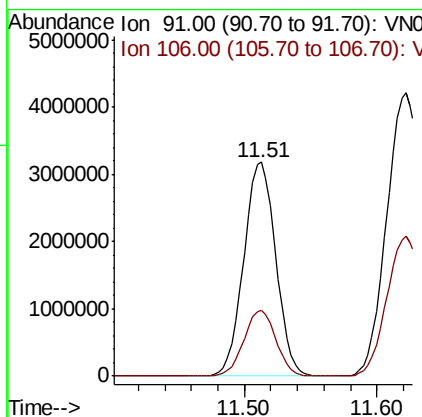
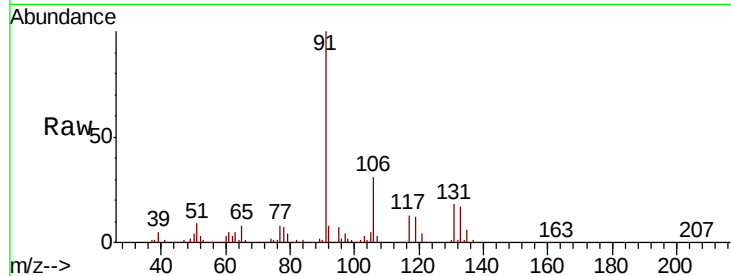
#67
Ethyl Benzene
Concen: 104.512 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN052828.D
Acq: 12 Dec 2018 15:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 5329993
Ion Ratio Lower Upper
91 100
106 30.8 24.9 37.3

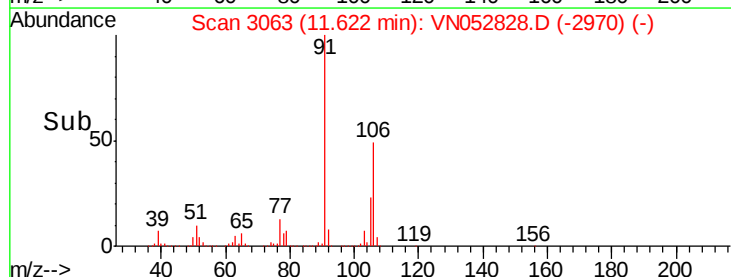
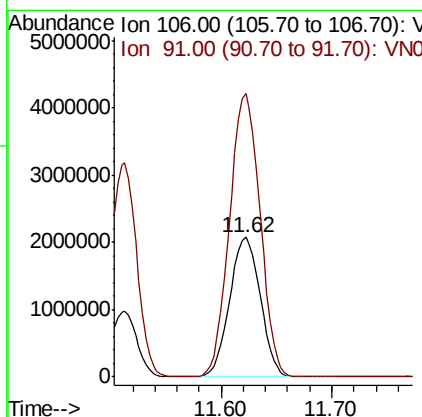
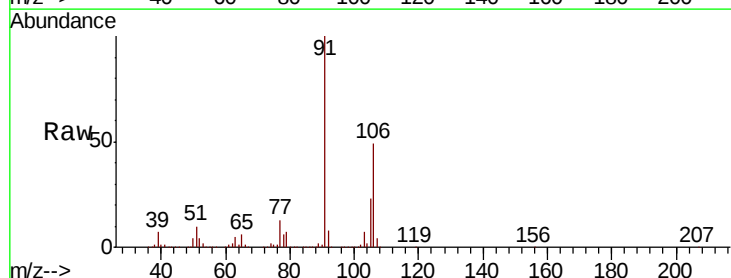
Manual Integrations
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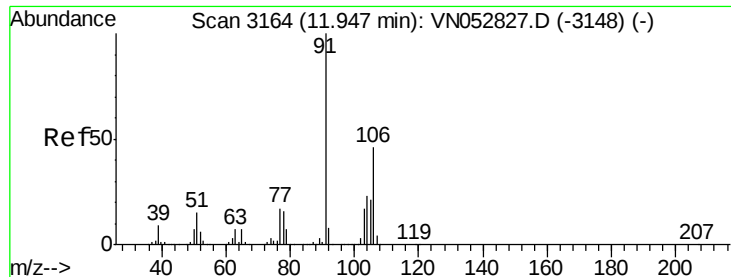
MMDadoda
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#68
m/p-Xylenes
Concen: 208.762 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052828.D
Acq: 12 Dec 2018 15:39

Tgt Ion: 106 Resp: 3997702
Ion Ratio Lower Upper
106 100
91 202.6 162.2 243.4





#69

o-Xylene

Concen: 104.039 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN052828.D

Acq: 12 Dec 2018 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:106 Resp: 1945442

Ion Ratio Lower Upper

106 100

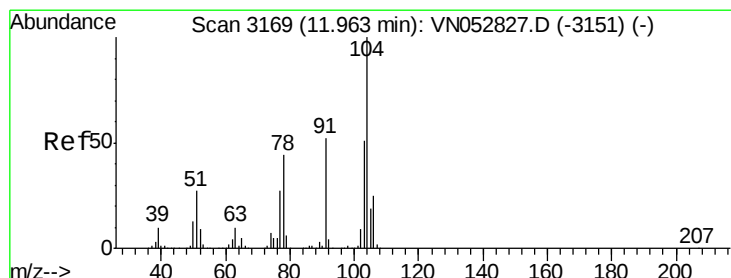
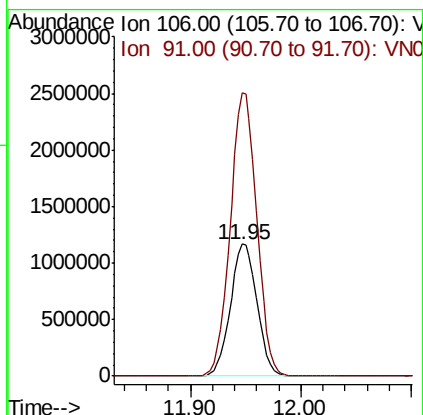
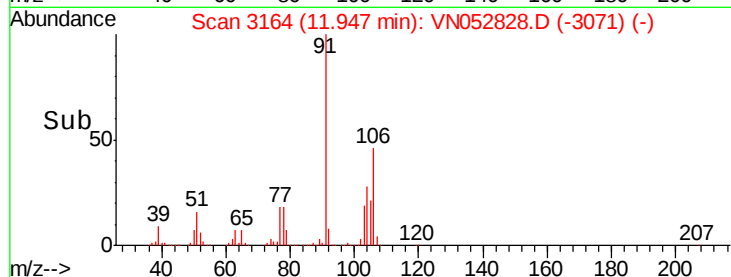
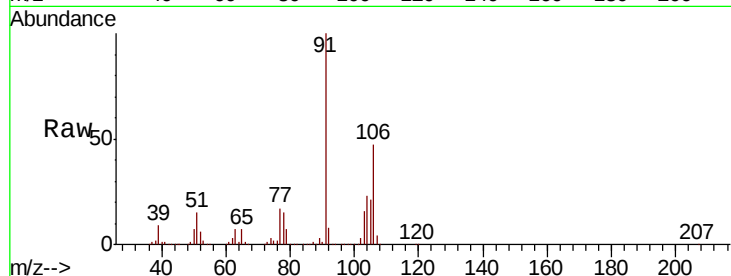
91 214.0 106.6 319.8

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#70

Styrene

Concen: 107.407 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN052828.D

Acq: 12 Dec 2018 15:39

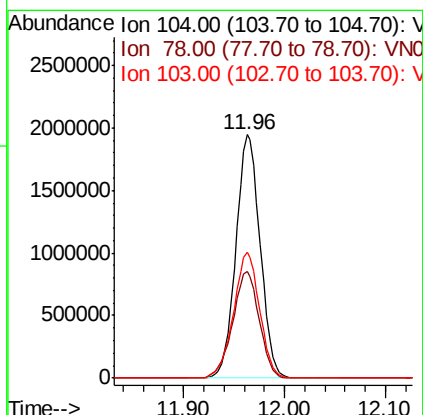
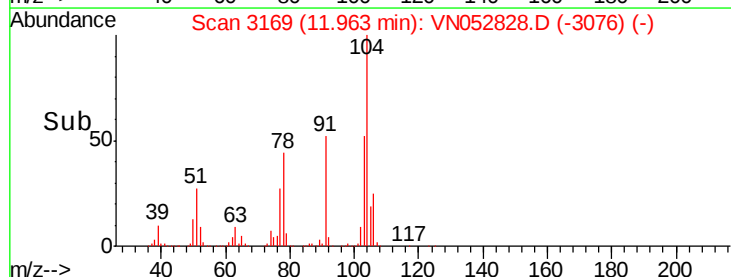
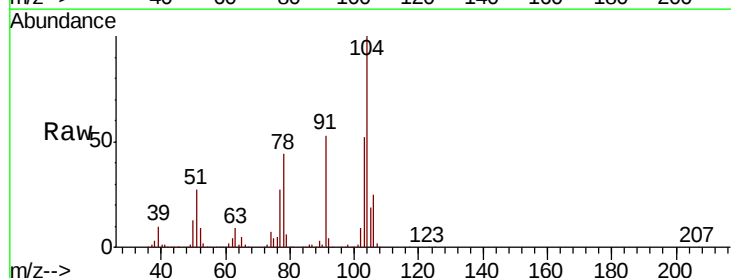
Tgt Ion:104 Resp: 3228609

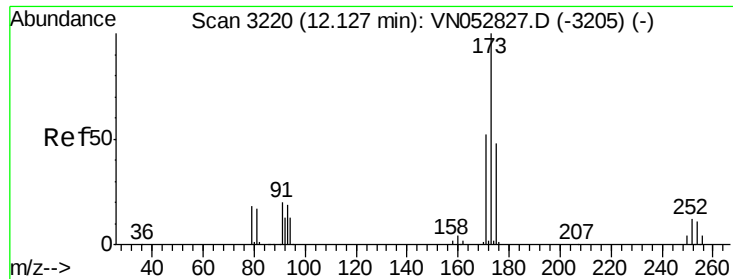
Ion Ratio Lower Upper

104 100

78 48.2 38.9 58.3

103 55.6 44.3 66.5





#71

Bromoform

Concen: 108.375 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052828.D

Acq: 12 Dec 2018 15:39

Instrument :

MSVOA_N

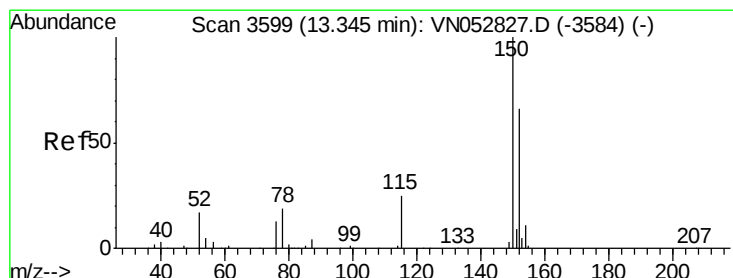
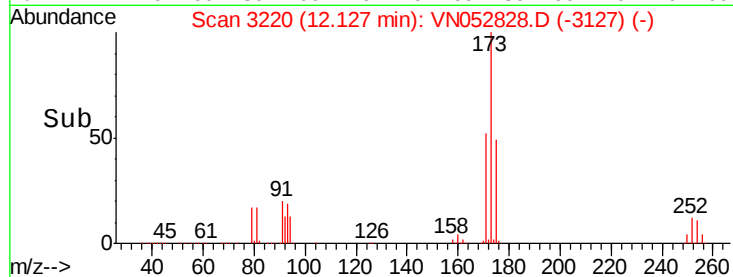
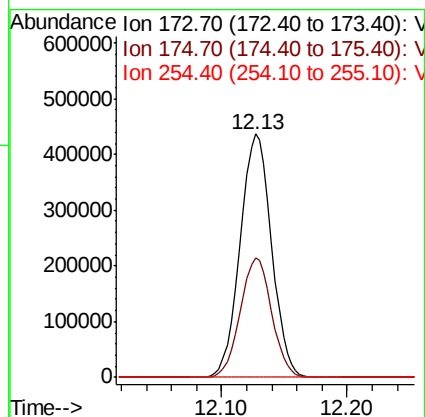
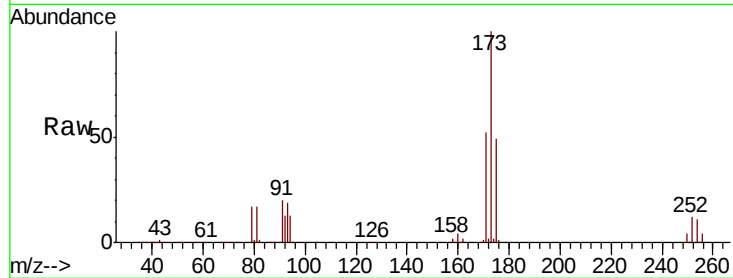
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.3	72.9
254	0.2	0.1	0.1

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

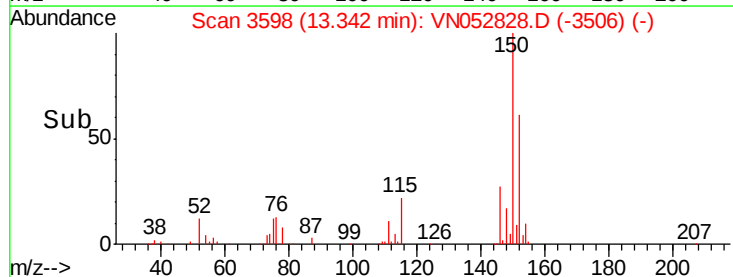
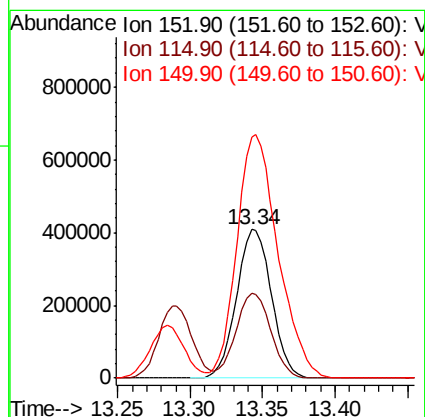
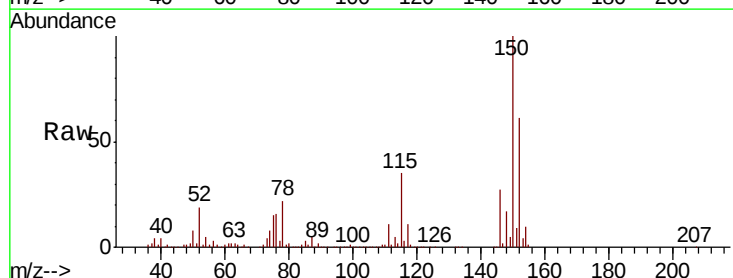
RT: 13.34 min Scan# 3598

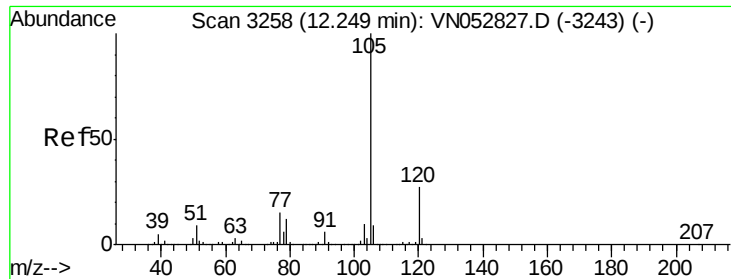
Delta R.T. -0.00 min

Lab File: VN052828.D

Acq: 12 Dec 2018 15:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.0	28.3	85.0
150	193.3	0.0	347.8





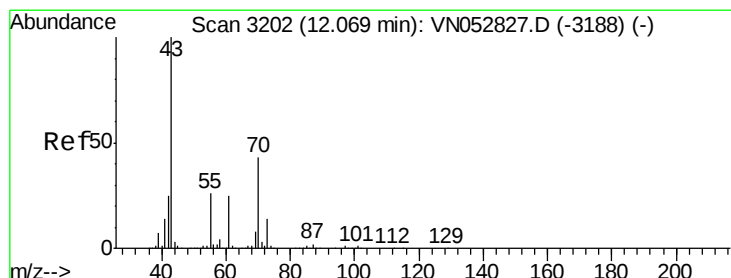
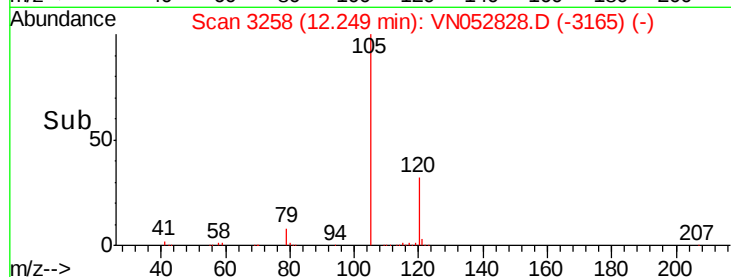
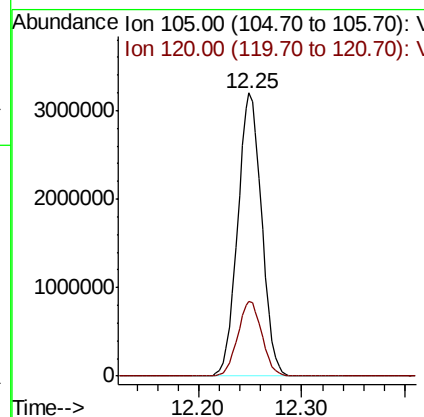
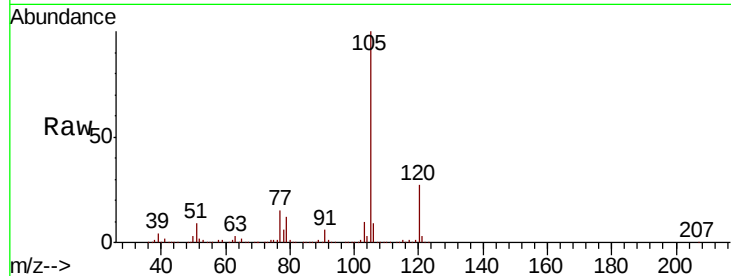
#73
Isopropylbenzene
Concen: 101.248 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052828.D
Acq: 12 Dec 2018 15:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:105 Resp: 5160492
Ion Ratio Lower Upper
105 100
120 26.6 13.3 39.9

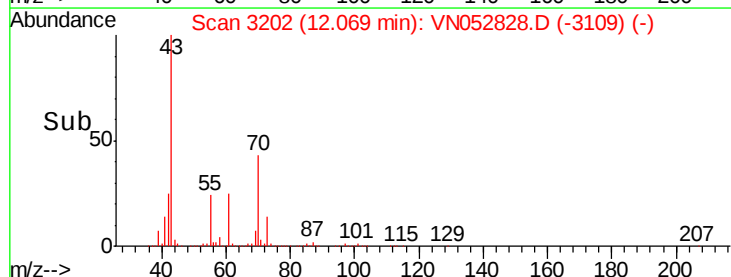
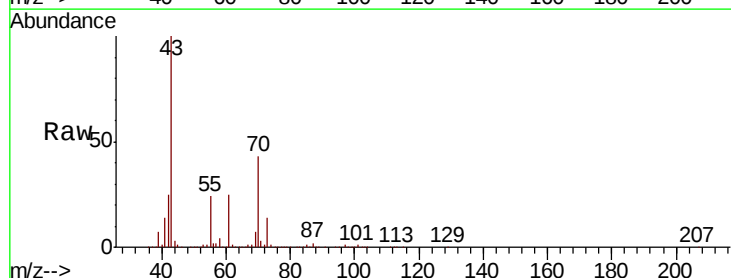
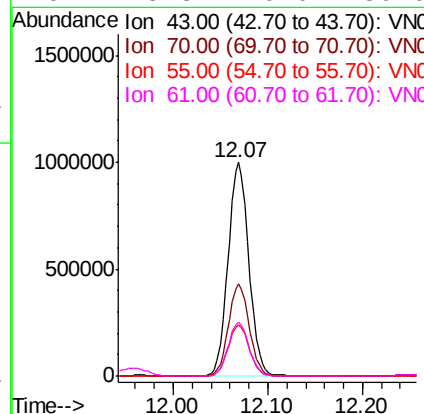
Manual Integrations
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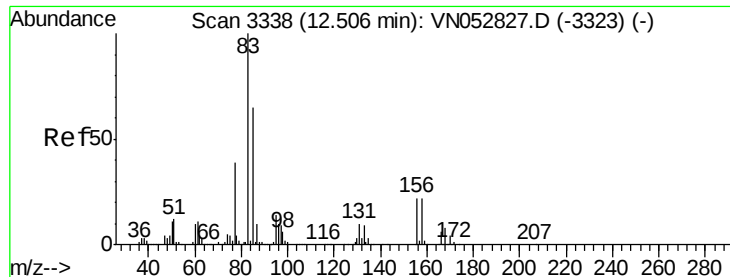
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#74
N-ethyl acetate
Concen: 108.673 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN052828.D
Acq: 12 Dec 2018 15:39

Tgt Ion: 43 Resp: 1520668
Ion Ratio Lower Upper
43 100
70 43.3 34.2 51.4
55 24.5 20.3 30.5
61 25.3 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 99.092 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN052828.D

Acq: 12 Dec 2018 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 1131923

Ion Ratio Lower Upper

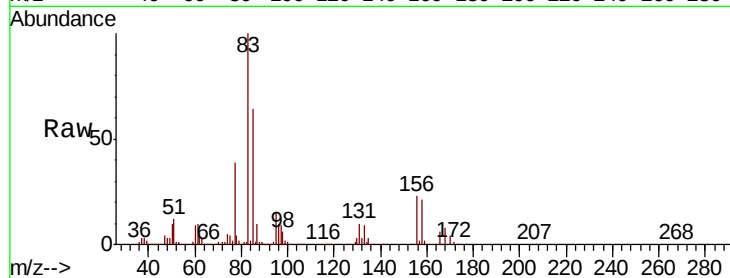
83 100

131 10.2 5.2 15.6

85 64.5 32.4 97.0

Manual Integrations
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MMDadoda
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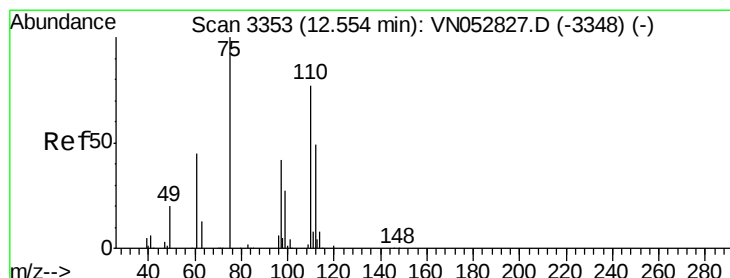
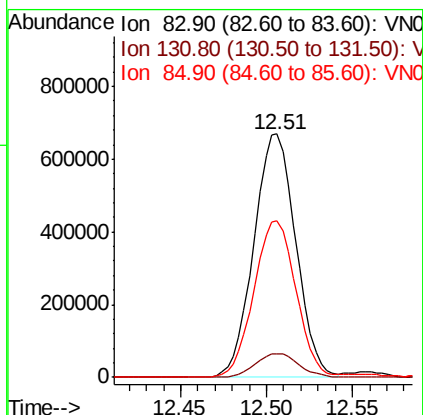
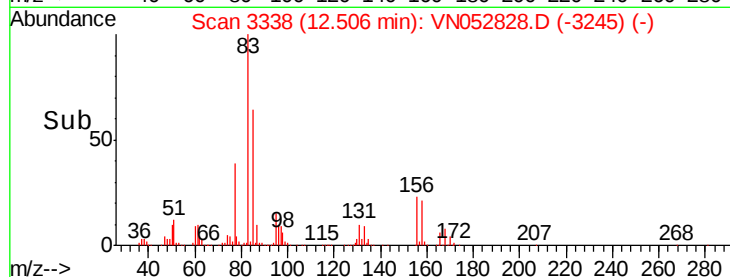
Abundance Ion 82.90 (82.60 to 83.60): VN052828.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN052828.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN052828.D (-3323) (-)

12.51

Time-->



#76

1,2,3-Trichloropropane

Concen: 87.937 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN052828.D

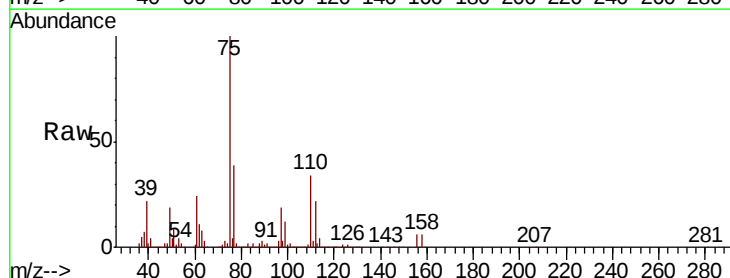
Acq: 12 Dec 2018 15:39

Tgt Ion: 75 Resp: 1001219

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

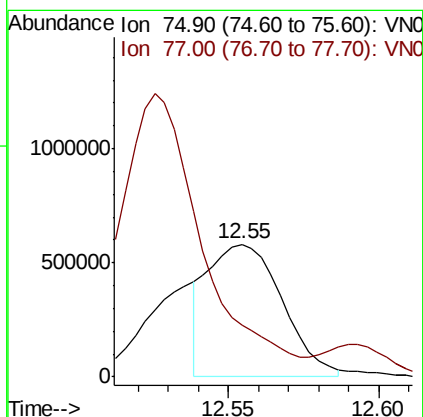
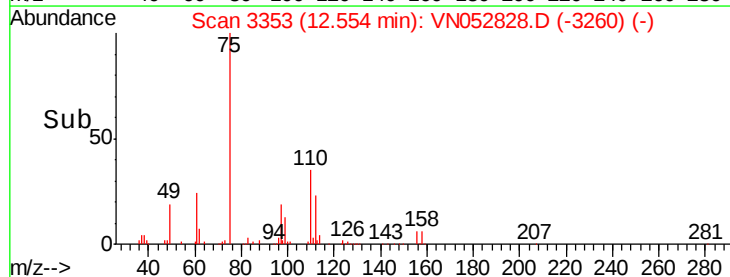


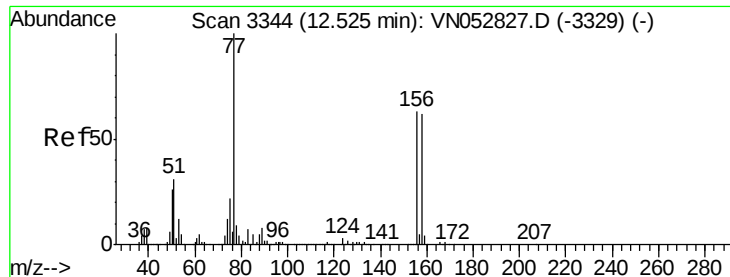
Abundance Ion 74.90 (74.60 to 75.60): VN052828.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN052828.D (-3353) (-)

12.55

Time-->





#77

Bromobenzene

Concen: 101.816 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052828.D

Acq: 12 Dec 2018 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 1319922

Ion Ratio Lower Upper

156 100

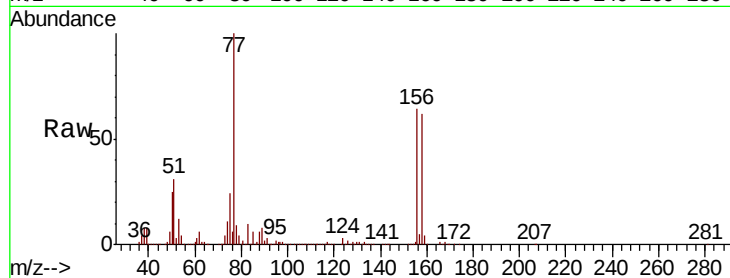
77 182.3 91.3 273.8

158 97.0 49.0 147.2

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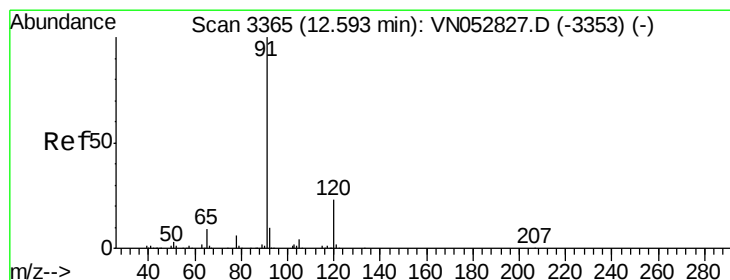
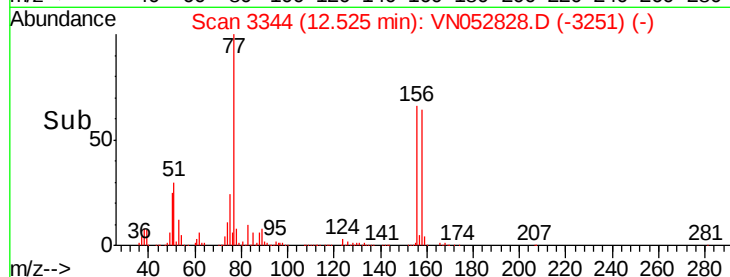
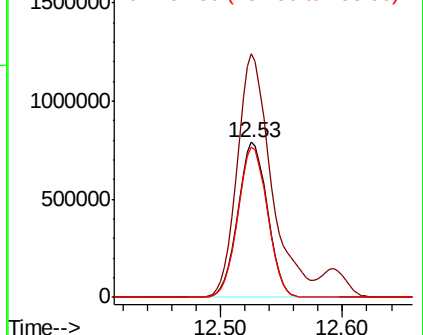
12/13/2018 1:36:16 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 103.243 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052828.D

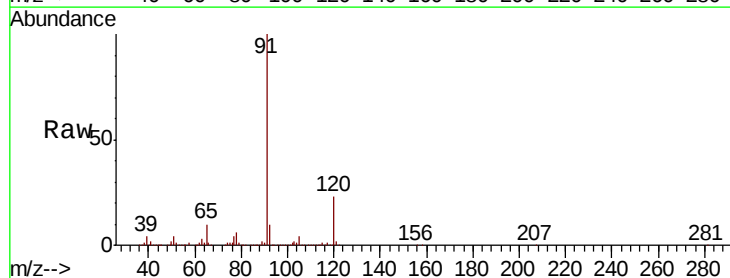
Acq: 12 Dec 2018 15:39

Tgt Ion: 91 Resp: 6001437

Ion Ratio Lower Upper

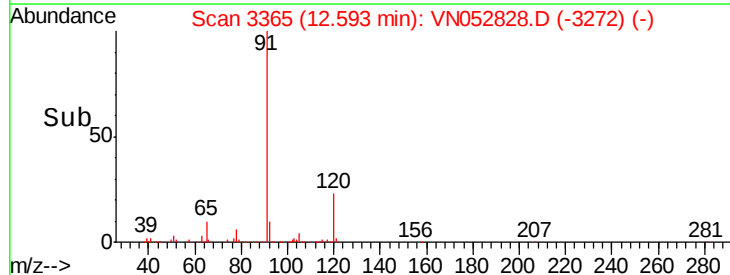
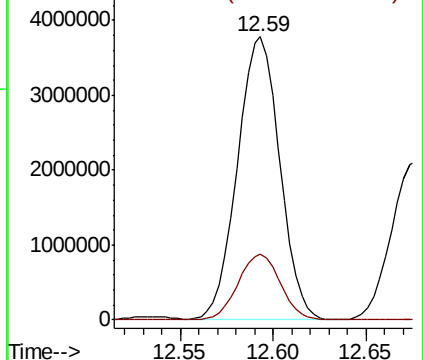
91 100

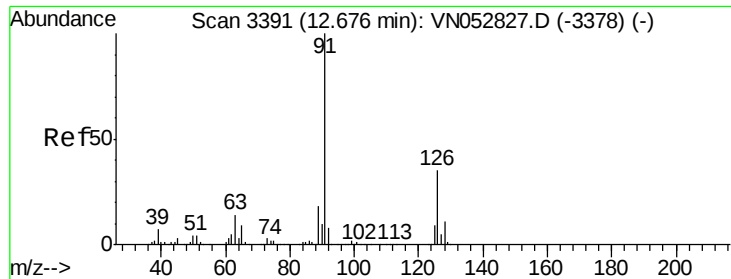
120 23.2 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 100.947 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052828.D

Acq: 12 Dec 2018 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 3469078

Ion Ratio Lower Upper

91 100

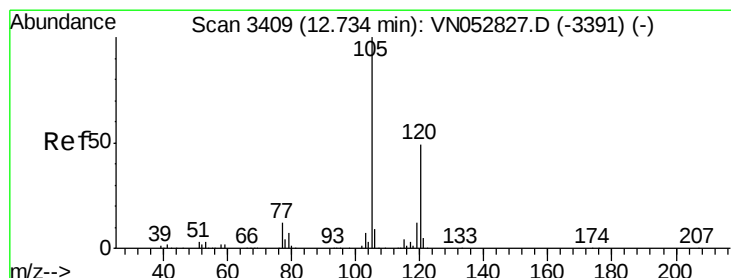
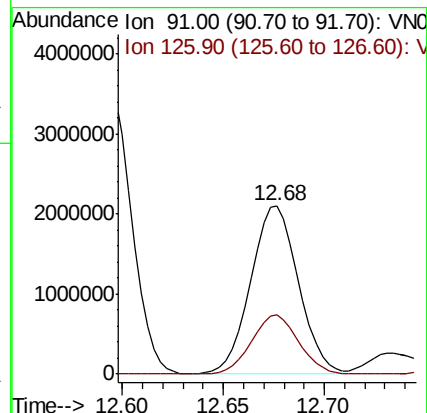
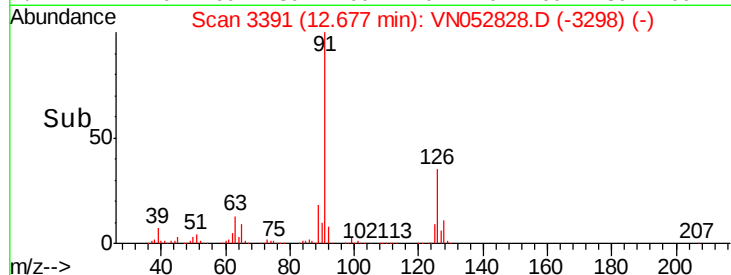
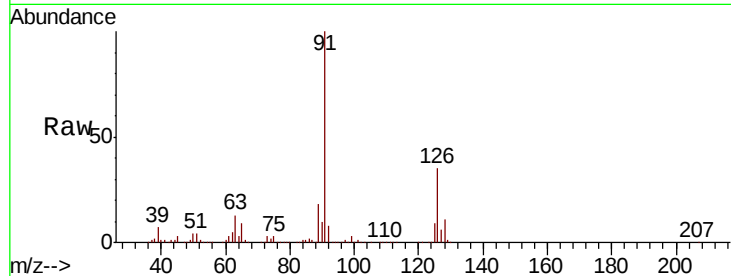
126 34.9 17.4 52.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 102.044 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052828.D

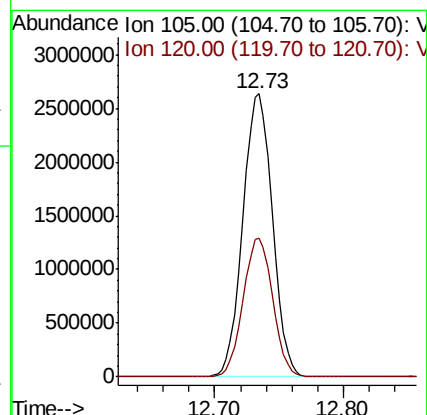
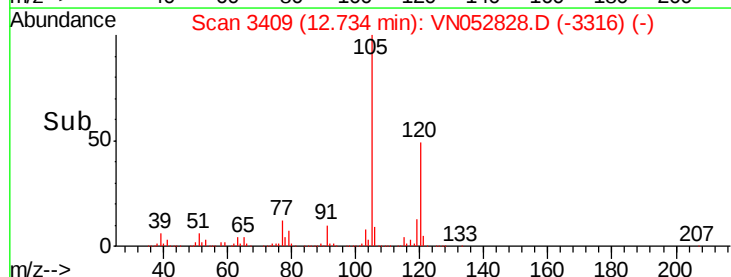
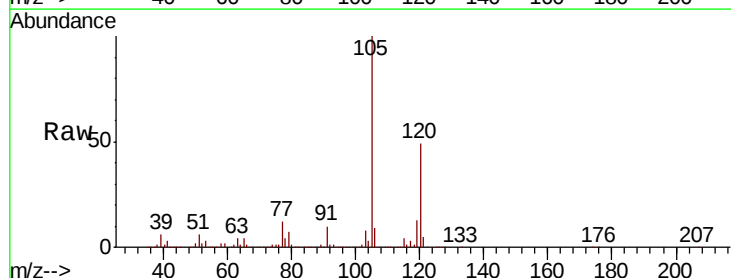
Acq: 12 Dec 2018 15:39

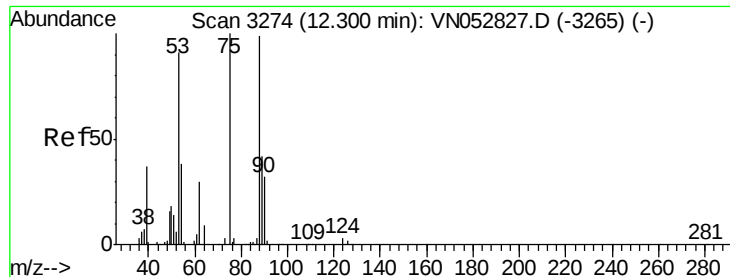
Tgt Ion: 105 Resp: 4198584

Ion Ratio Lower Upper

105 100

120 49.0 24.4 73.2





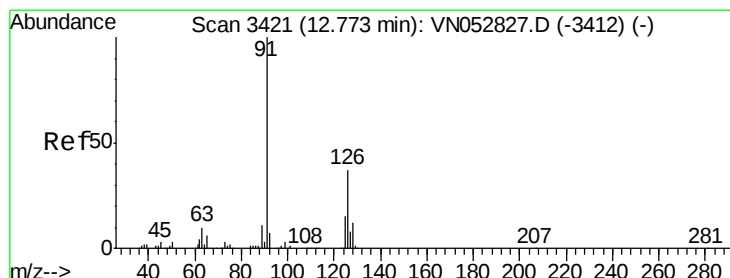
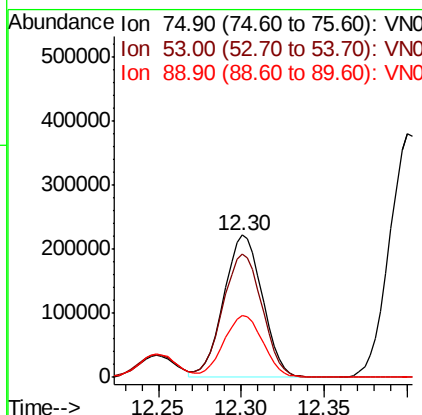
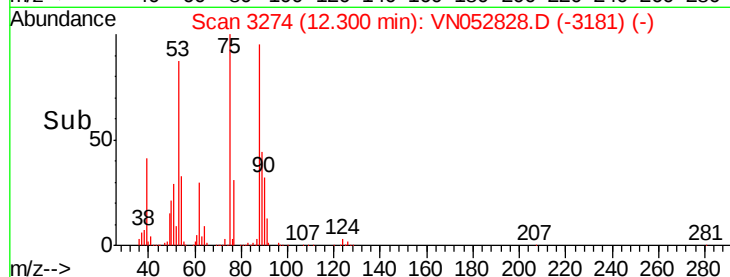
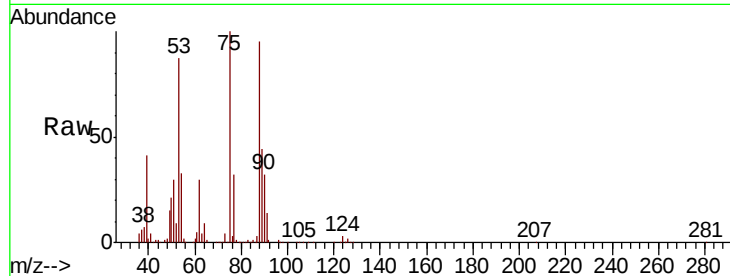
#81
trans-1,4-Dichloro-2-butene
Concen: 114.142 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052828.D
Acq: 12 Dec 2018 15:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.6	74.7	112.1
89	44.8	36.1	54.1

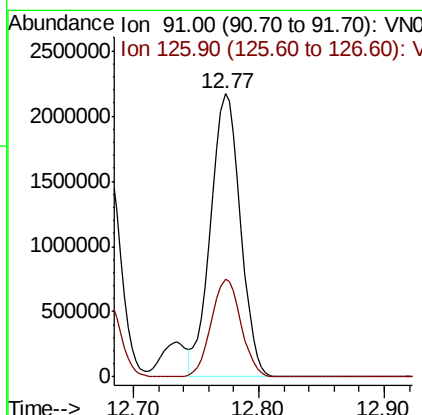
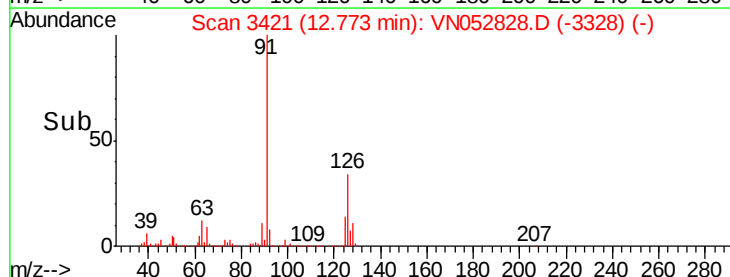
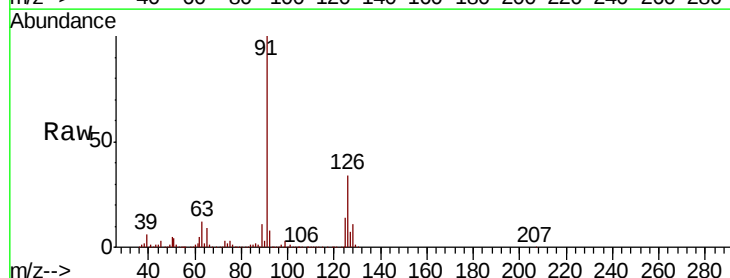
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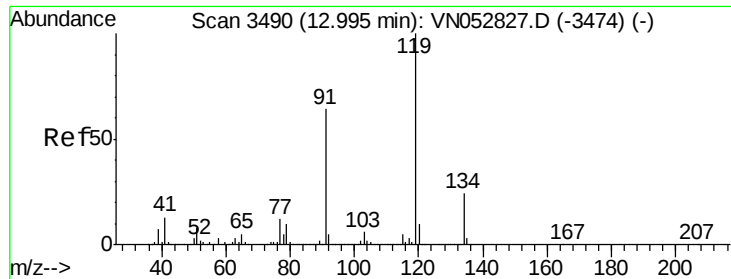
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#82
4-Chlorotoluene
Concen: 101.614 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN052828.D
Acq: 12 Dec 2018 15:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.3	51.7





#83

tert-Butylbenzene

Concen: 101.205 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN052828.D

Acq: 12 Dec 2018 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:119 Resp: 3673221

Ion Ratio Lower Upper

119 100

91 63.6 31.9 95.5

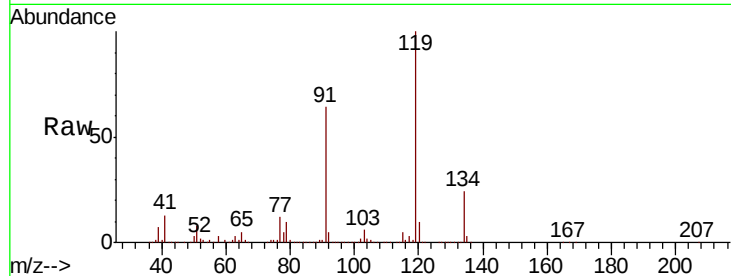
134 25.7 12.8 38.4

Manual Integrations

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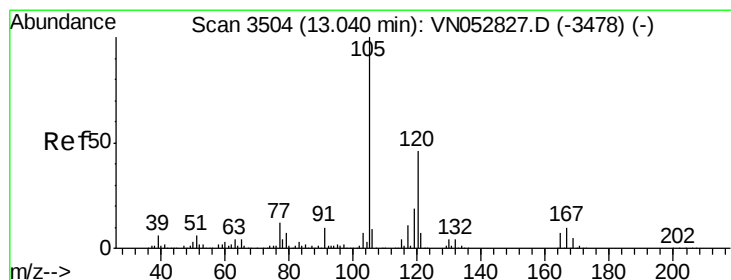
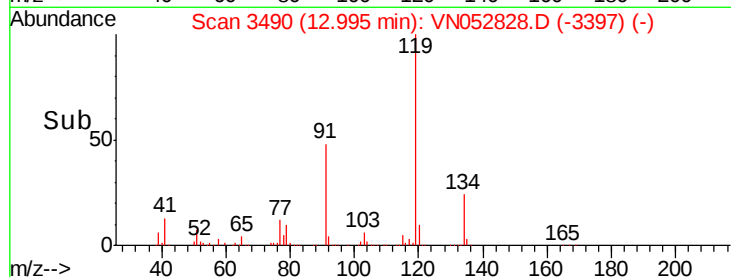
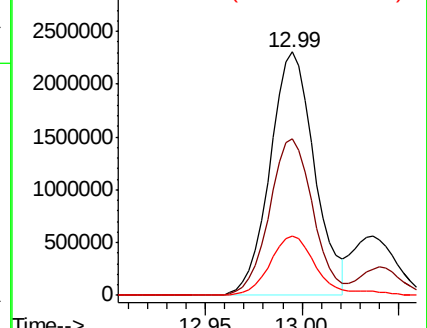
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 103.084 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN052828.D

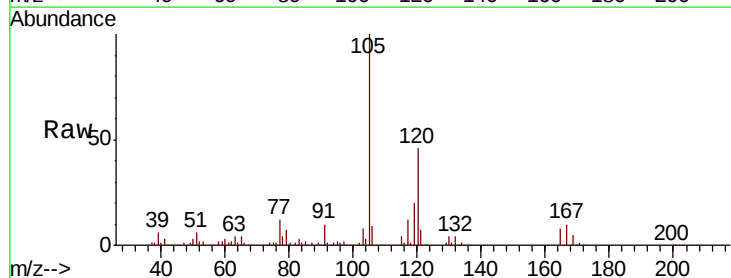
Acq: 12 Dec 2018 15:39

Tgt Ion:105 Resp: 4293799

Ion Ratio Lower Upper

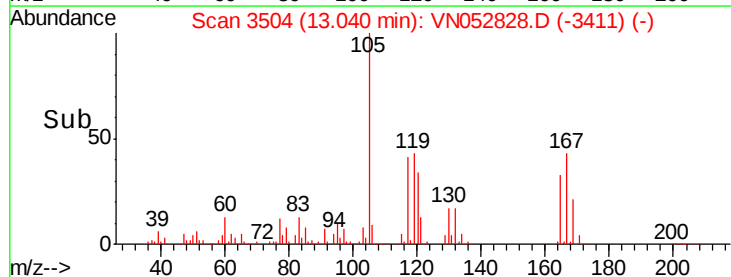
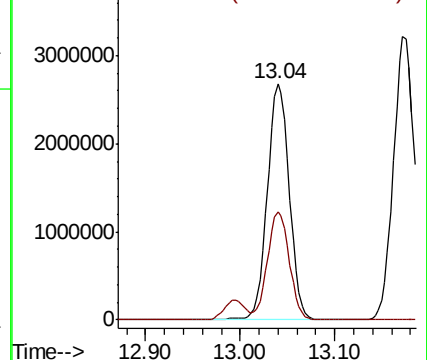
105 100

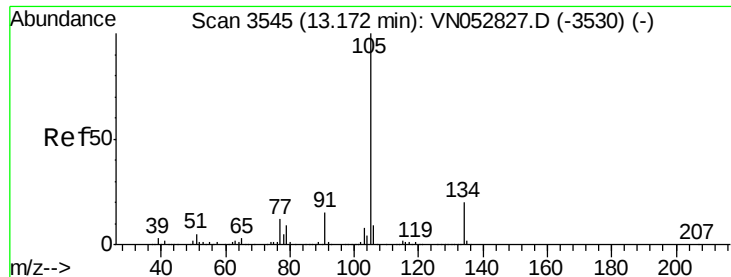
120 45.8 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 102.770 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052828.D

Acq: 12 Dec 2018 15:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 5051505

Ion Ratio Lower Upper

105 100

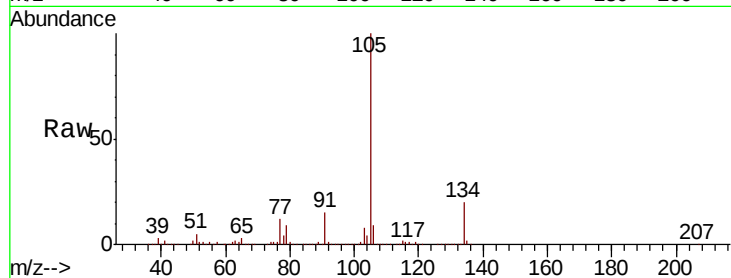
134 20.4 10.1 30.3

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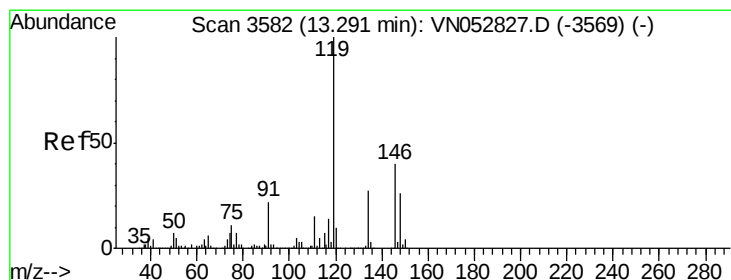
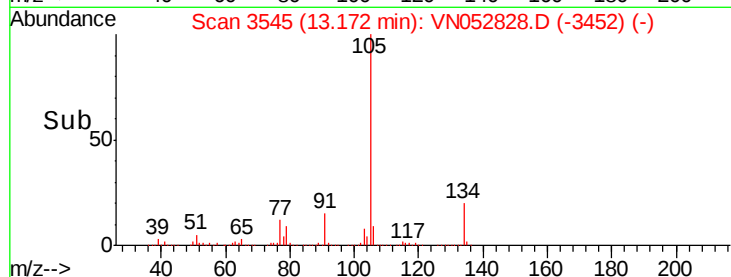
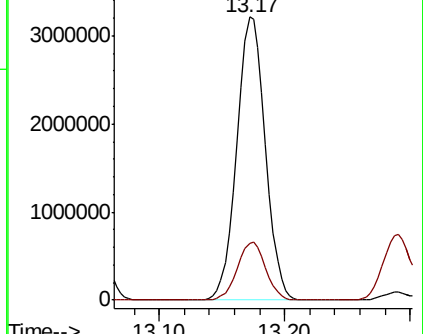
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 103.828 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052828.D

Acq: 12 Dec 2018 15:39

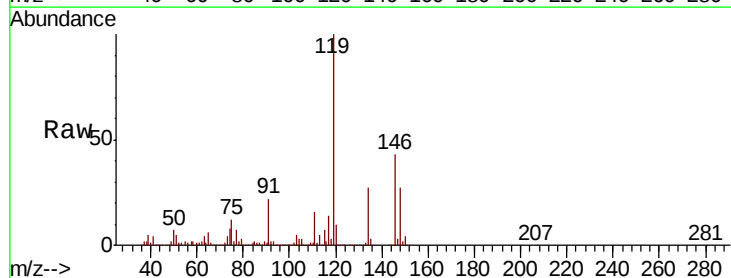
Tgt Ion:119 Resp: 4421569

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

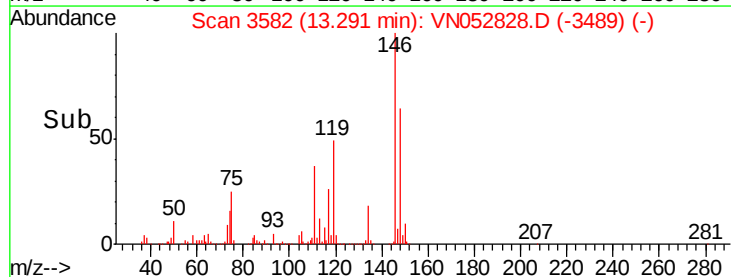
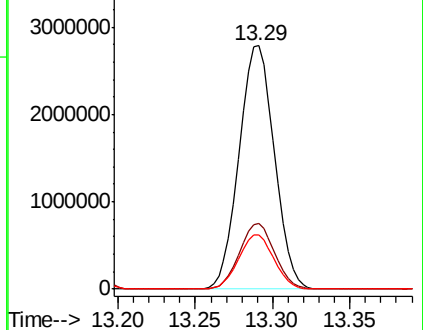
91 22.3 11.1 33.3

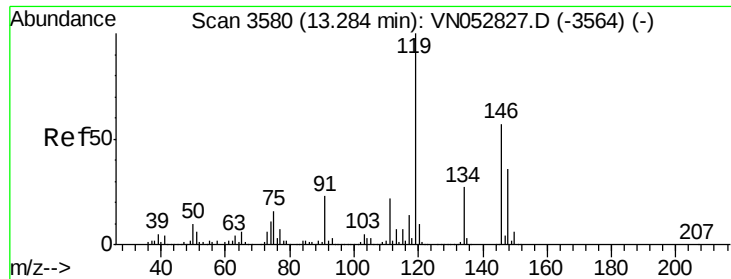


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





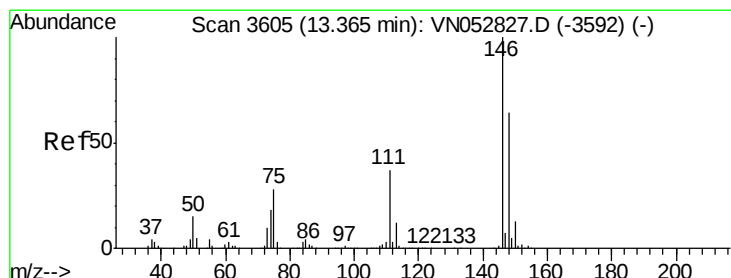
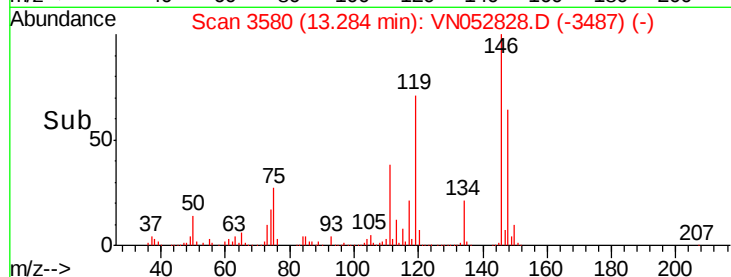
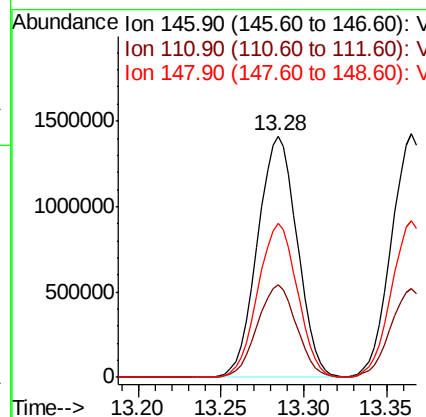
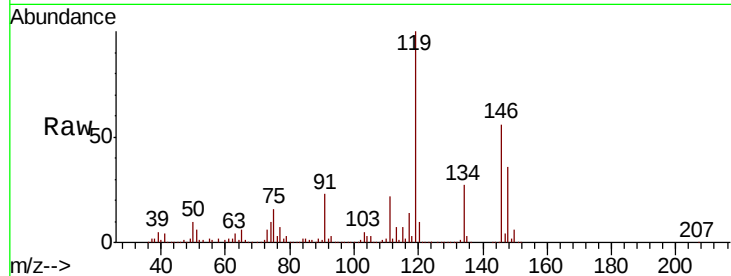
#87
 1,3-Dichlorobenzene
 Concen: 101.960 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052828.D
 Acq: 12 Dec 2018 15:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.1	57.1
148	63.6	32.0	96.0

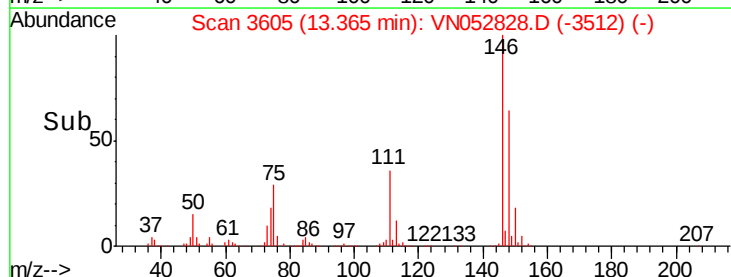
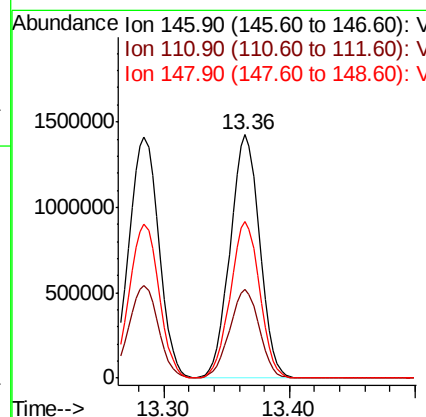
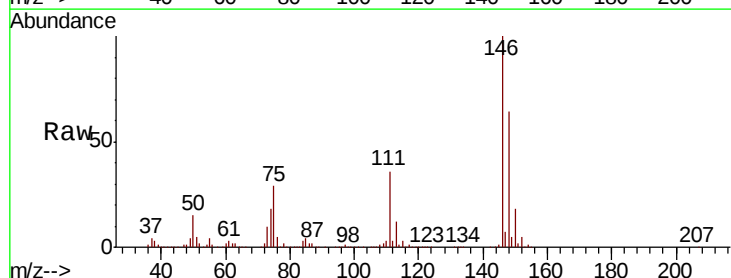
Manual Integrations
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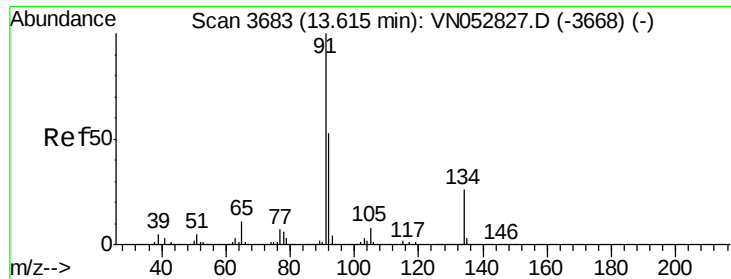
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#88
 1,4-Dichlorobenzene
 Concen: 101.629 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052828.D
 Acq: 12 Dec 2018 15:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.6	55.8
148	64.0	32.1	96.5





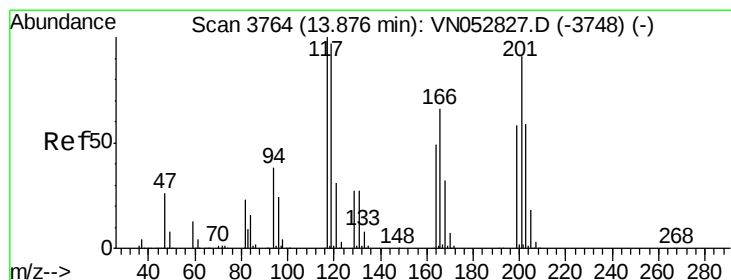
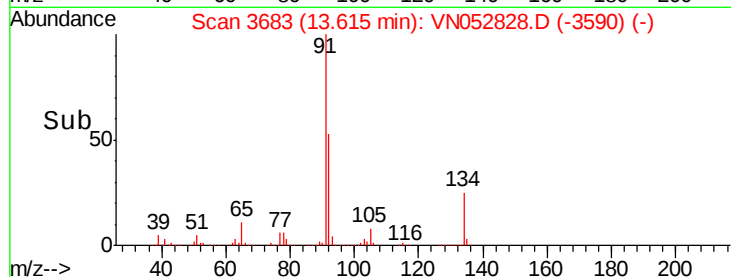
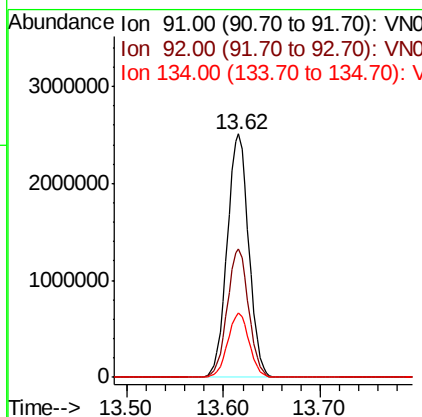
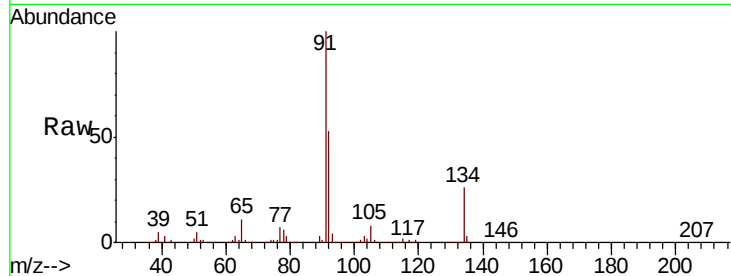
#89
n-Butylbenzene
Concen: 107.766 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052828.D
Acq: 12 Dec 2018 15:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 3863417
Ion Ratio Lower Upper
91 100
92 52.5 26.3 78.9
134 26.4 13.3 39.8

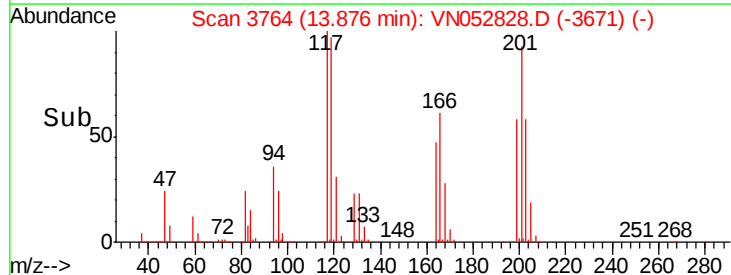
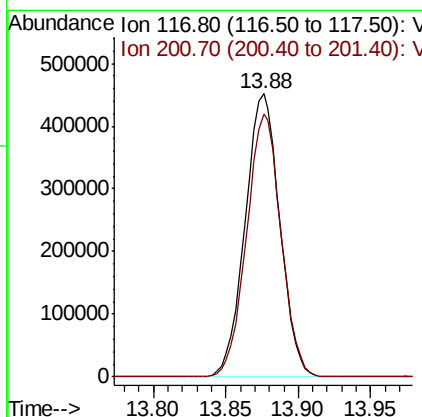
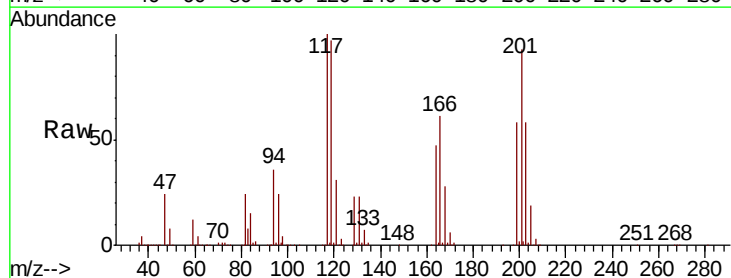
Manual Integrations
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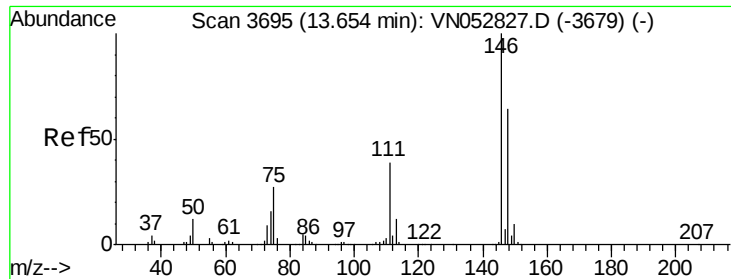
MMDadoda
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#90
Hexachloroethane
Concen: 105.455 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052828.D
Acq: 12 Dec 2018 15:39

Tgt Ion: 117 Resp: 751988
Ion Ratio Lower Upper
117 100
201 92.0 45.7 137.1





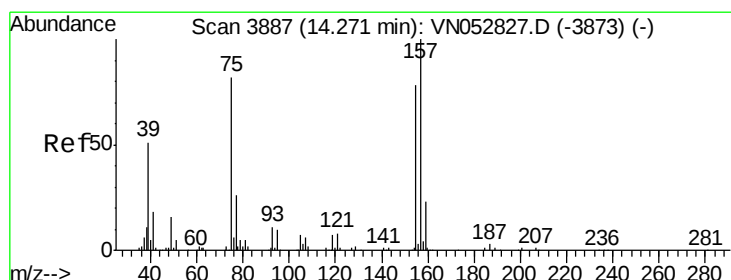
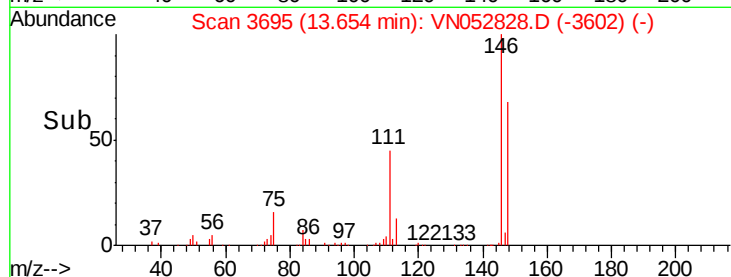
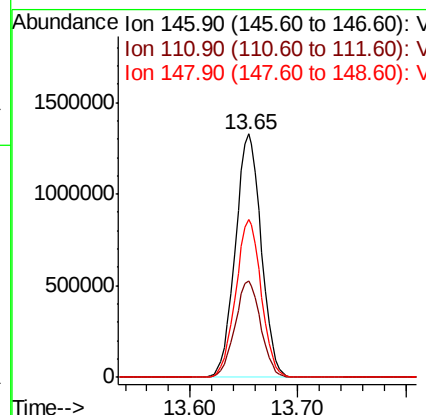
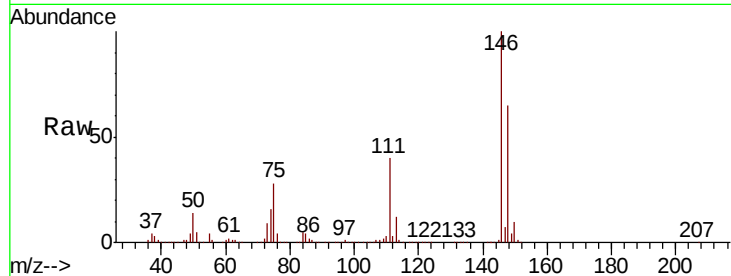
#91
 1,2-Dichlorobenzene
 Concen: 100.105 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052828.D
 Acq: 12 Dec 2018 15:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.0
148	64.0	32.0	96.0

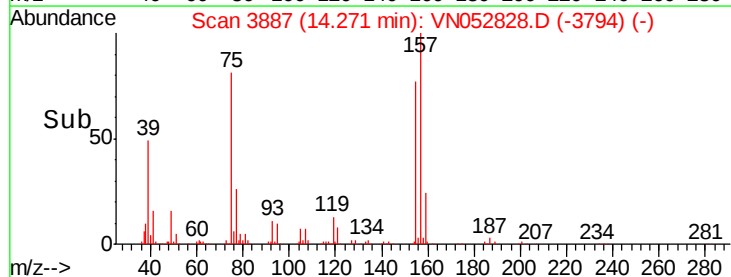
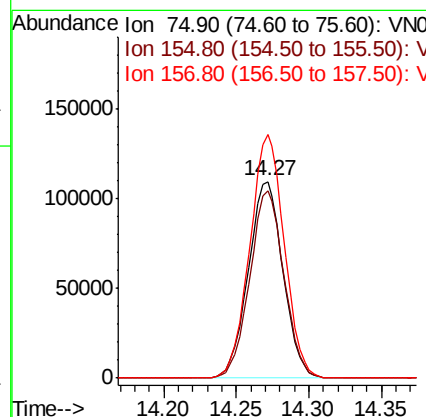
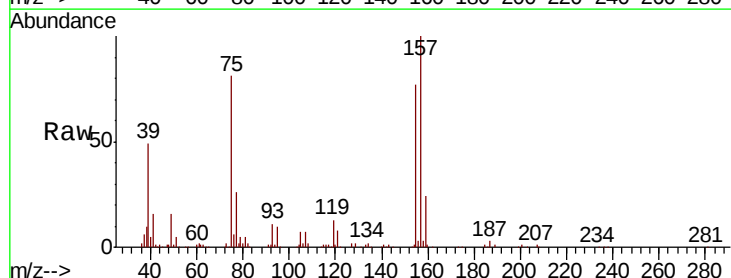
Manual Integrations
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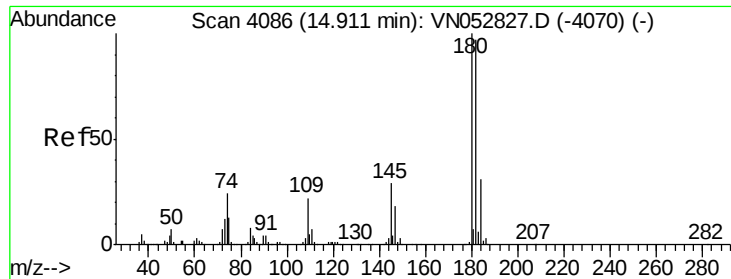
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 106.186 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052828.D
 Acq: 12 Dec 2018 15:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.7	48.2	144.6
157	122.7	61.2	183.5





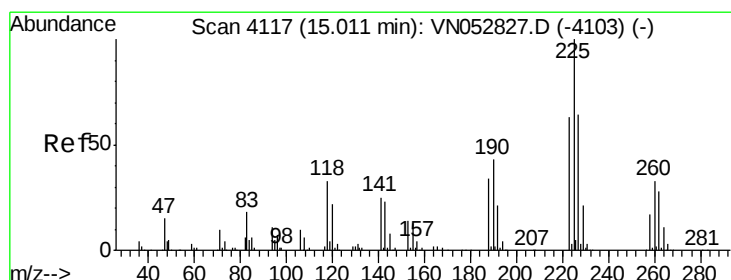
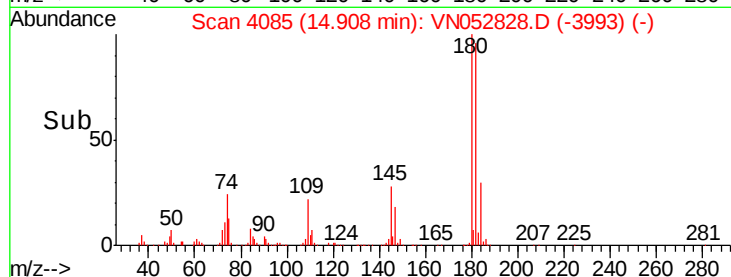
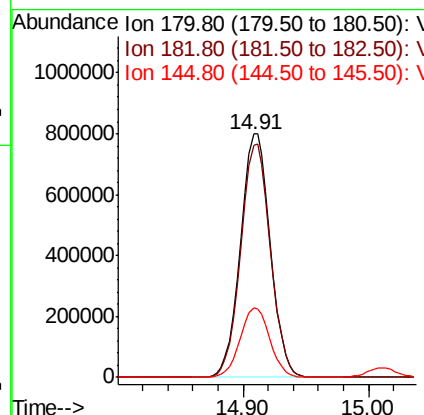
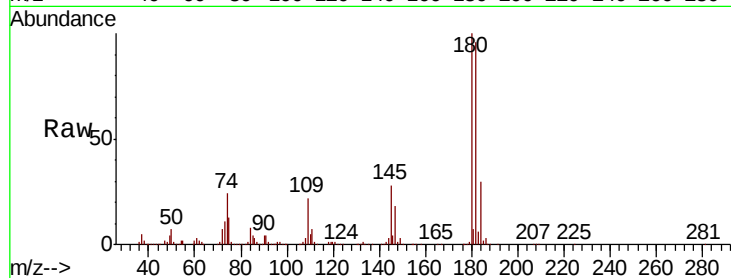
#93
 1,2,4-Trichlorobenzene
 Concen: 109.118 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052828.D
 Acq: 12 Dec 2018 15:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.8	143.3
145	28.5	14.2	42.6

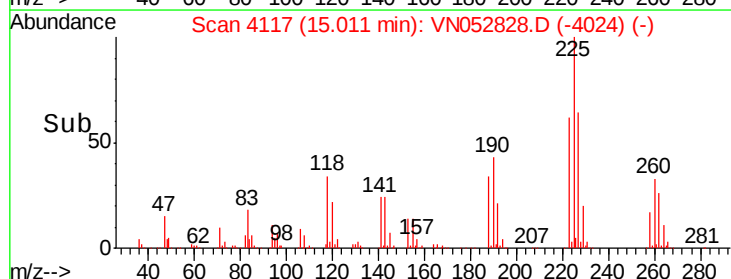
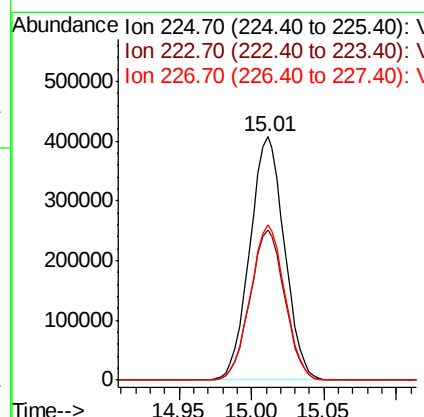
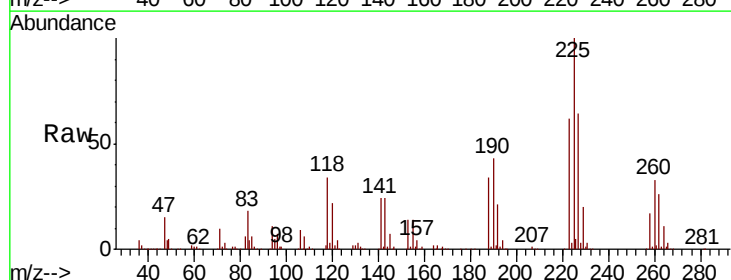
Manual Integrations
 APPROVED

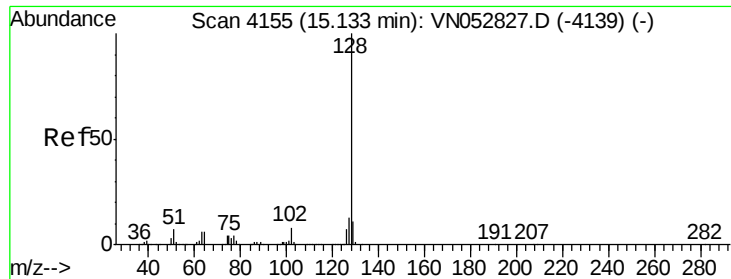
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 96.908 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052828.D
 Acq: 12 Dec 2018 15:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.5	94.5
227	63.7	31.9	95.7





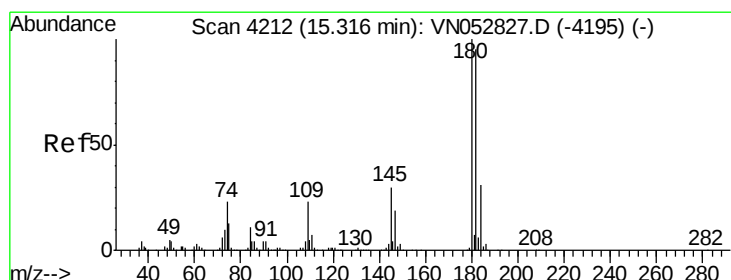
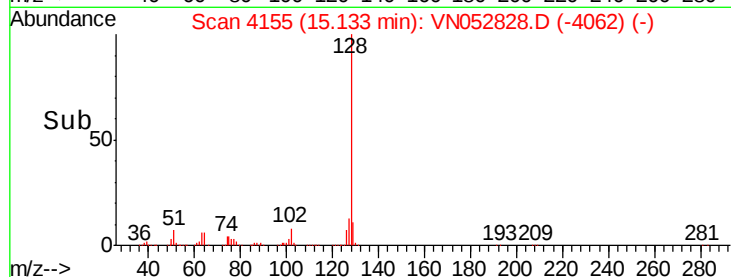
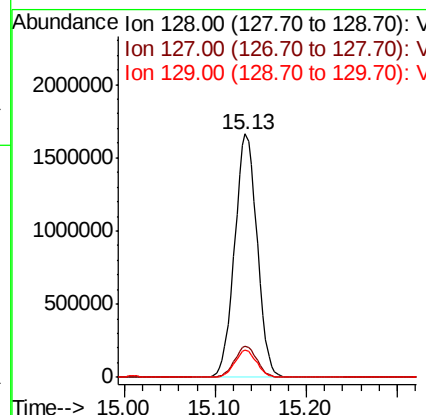
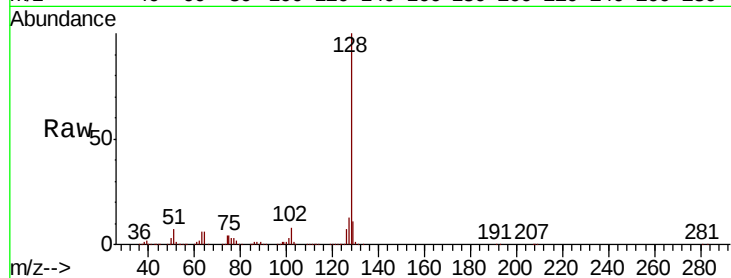
#95
Naphthalene
Concen: 114.001 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052828.D
Acq: 12 Dec 2018 15:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.9	8.6	13.0

Manual Integrations
APPROVED

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12/13/2018 1:36:16 PM



#96
1,2,3-Trichlorobenzene
Concen: 108.580 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052828.D
Acq: 12 Dec 2018 15:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.9	143.7
145	29.7	15.0	45.0

