

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121218\
 Data File : VN052827.D
 Acq On : 12 Dec 2018 15:12
 Operator : MD\SY
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 1:36:11 PM

Quant Time: Dec 13 00:46:37 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	1025784	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1572693	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1418350	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	667823	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	533060	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
35) Dibromofluoromethane	7.59	113	419452	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	
50) Toluene-d8	10.09	98	1888708	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
62) 4-Bromofluorobenzene	12.40	95	641510	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	527516	49.957	ug/l	100
3) Chloromethane	2.06	50	629241	49.650	ug/l	100
4) Vinyl Chloride	2.19	62	635647	50.133	ug/l	100
5) Bromomethane	2.57	94	371709	47.532	ug/l	100
6) Chloroethane	2.71	64	369389	49.289	ug/l	100
7) Trichlorofluoromethane	3.02	101	784676	49.918	ug/l	100
8) Diethyl Ether	3.41	74	292456	51.003	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.77	101	483585	49.638	ug/l	100
10) Methyl Iodide	3.96	142	695639	50.987	ug/l	100
11) Tert butyl alcohol	4.78	59	143904	236.127	ug/l	100
12) 1,1-Dichloroethene	3.74	96	474666	50.330	ug/l	100
13) Acrolein	3.61	56	143418	249.950	ug/l	100
14) Allyl chloride	4.33	41	756601	49.117	ug/l	100
15) Acrylonitrile	4.99	53	876309	256.307	ug/l	100
16) Acetone	3.82	43	592341	241.808	ug/l	100
17) Carbon Disulfide	4.06	76	1435620	49.552	ug/l	100
18) Methyl Acetate	4.32	43	441223	49.078	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1289430	50.362	ug/l	100
20) Methylene Chloride	4.55	84	533487	48.393	ug/l	100
21) trans-1,2-Dichloroethene	5.05	96	503126	49.241	ug/l	100
22) Diisopropyl ether	5.95	45	1657293	50.431	ug/l	100
23) Vinyl Acetate	5.90	43	4989883	255.178	ug/l	100
24) 1,1-Dichloroethane	5.85	63	948548	50.053	ug/l	100
25) 2-Butanone	6.83	43	936428	246.366	ug/l	100
26) 2,2-Dichloropropane	6.83	77	703973	50.443	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	579190	49.945	ug/l	100
28) Bromochloromethane	7.20	49	432292	50.799	ug/l	100
29) Tetrahydrofuran	7.21	42	648391	249.874	ug/l	100
30) Chloroform	7.37	83	918800	49.718	ug/l	100
31) Cyclohexane	7.66	56	908066	42.977	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	775452	50.152	ug/l	100
36) 1,1-Dichloropropene	7.80	75	728844	50.326	ug/l	100
37) Ethyl Acetate	6.93	43	447996	51.493	ug/l	100
38) Carbon Tetrachloride	7.78	117	673460	50.521	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	884845	49.788	ug/l	100
40) Benzene	8.04	78	2197539	50.556	ug/l	100
41) Methacrylonitrile	7.17	41	234440	48.634	ug/l	100
42) 1,2-Dichloroethane	8.12	62	658403	50.314	ug/l	100
43) Isopropyl Acetate	8.16	43	819599	45.948	ug/l	100
44) Trichloroethene	8.84	130	580842	49.472	ug/l	100
45) 1,2-Dichloropropane	9.12	63	576942	50.675	ug/l	100
46) Dibromomethane	9.21	93	329471	49.899	ug/l	100
47) Bromodichloromethane	9.40	83	702026	51.273	ug/l	100
48) Methyl methacrylate	9.20	41	407463	52.088	ug/l	100
49) 1,4-Dioxane	9.20	88	88333	994.821	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	2114689	258.542	ug/l	100
52) Toluene	10.16	92	1339719	50.889	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	721951	52.399	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	844281	51.423	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	471355	50.156	ug/l	100
56) Ethyl methacrylate	10.43	69	631778	52.384	ug/l	100
57) 1,3-Dichloropropane	10.71	76	815446	50.600	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1762909	261.967	ug/l	100
59) 2-Hexanone	10.75	43	1446629	258.076	ug/l	100
60) Dibromochloromethane	10.90	129	522212	51.416	ug/l	100
61) 1,2-Dibromoethane	11.01	107	477516	51.405	ug/l	100
64) Tetrachloroethene	10.63	164	606210	49.729	ug/l	100
65) Chlorobenzene	11.43	112	1455907	49.477	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	513688	50.195	ug/l	100
67) Ethyl Benzene	11.51	91	2566204	50.783	ug/l	100
68) m/p-Xylenes	11.62	106	1936470	102.056	ug/l	100
69) o-Xylene	11.95	106	945495	51.030	ug/l	100
70) Styrene	11.96	104	1549490	52.023	ug/l	100
71) Bromoform	12.13	173	359496	51.707	ug/l	# 100
73) Isopropylbenzene	12.25	105	2502117	50.181	ug/l	100
74) N-amyl acetate	12.07	43	706933	51.642	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	545414	48.807	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	485241m	43.565	ug/l	
77) Bromobenzene	12.53	156	629490	49.636	ug/l	100
78) n-propylbenzene	12.59	91	2888471	50.793	ug/l	100
79) 2-Chlorotoluene	12.68	91	1676437	49.866	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2041528	50.720	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	157303	51.287	ug/l	100
82) 4-Chlorotoluene	12.77	91	1713323	49.845	ug/l	100
83) tert-Butylbenzene	12.99	119	1787449	50.341	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2067666	50.742	ug/l	100
85) sec-Butylbenzene	13.17	105	2424895	50.428	ug/l	100
86) p-Isopropyltoluene	13.29	119	2114795	50.762	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1123514	49.852	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1106923	49.596	ug/l	100
89) n-Butylbenzene	13.62	91	1792830	51.119	ug/l	100
90) Hexachloroethane	13.88	117	349554	50.108	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1081091	49.867	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	85240	50.603	ug/l	100

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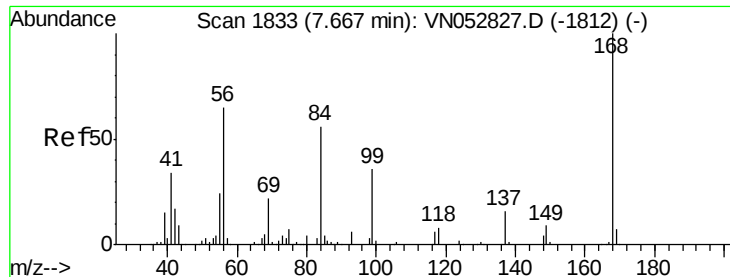
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	604129	51.265	ug/l	100
94) Hexachlorobutadiene	15.01	225	325398	47.705	ug/l	100
95) Naphthalene	15.13	128	1271586	52.098	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	550464	50.907	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052827.D

Acq: 12 Dec 2018 15:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 1025784

Ion Ratio Lower Upper

168 100

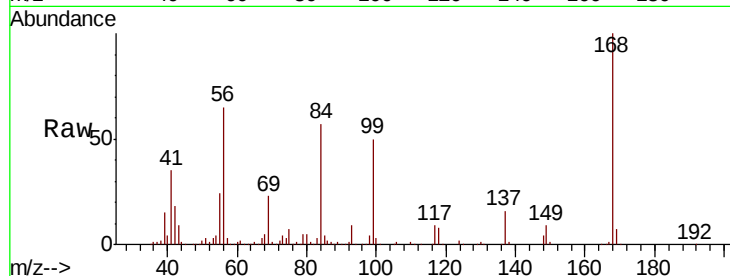
99 50.2 40.2 60.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

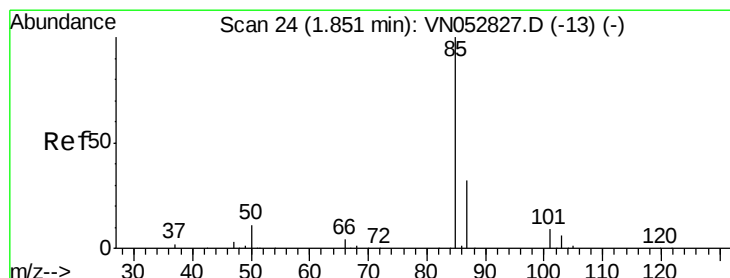
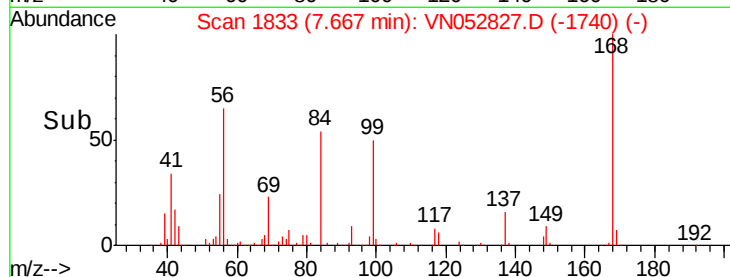
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.957 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052827.D

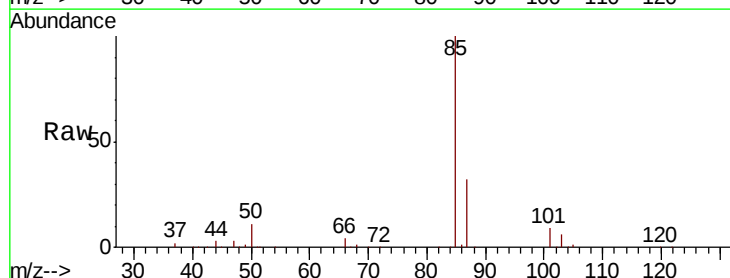
Acq: 12 Dec 2018 15:12

Tgt Ion: 85 Resp: 527516

Ion Ratio Lower Upper

85 100

87 32.5 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

400000

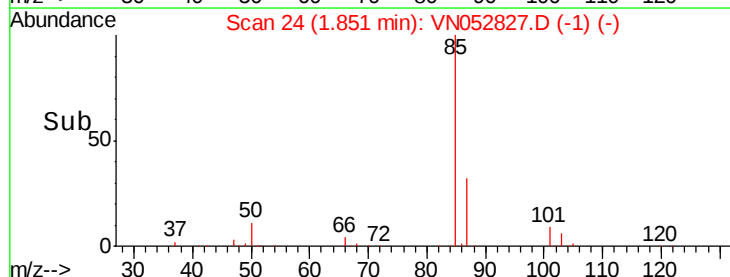
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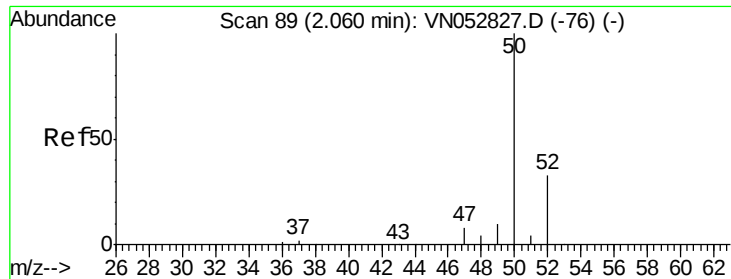
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100000

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Time-->





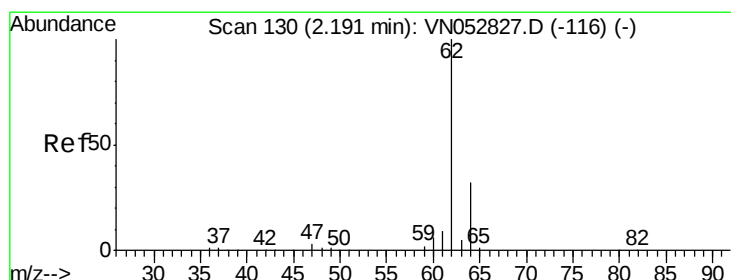
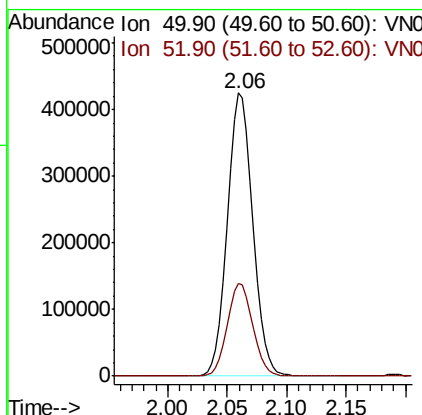
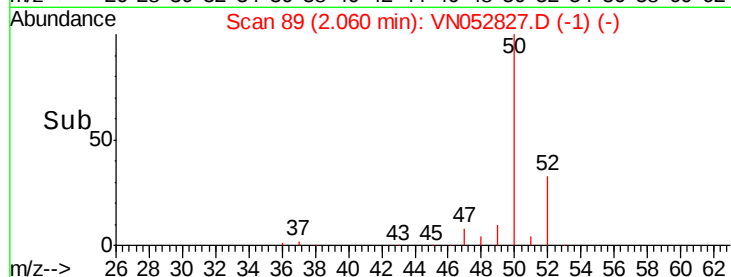
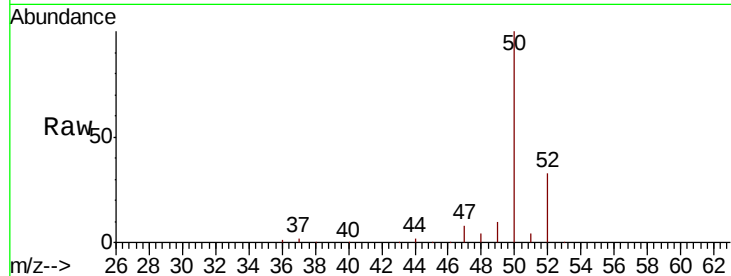
#3
Chloromethane
Concen: 49.650 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.8	26.2	39.4

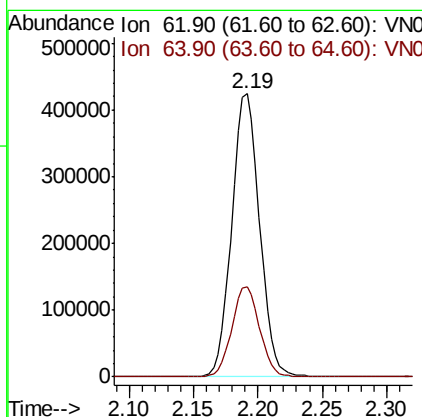
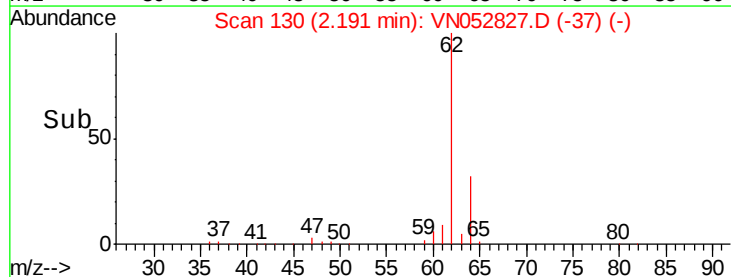
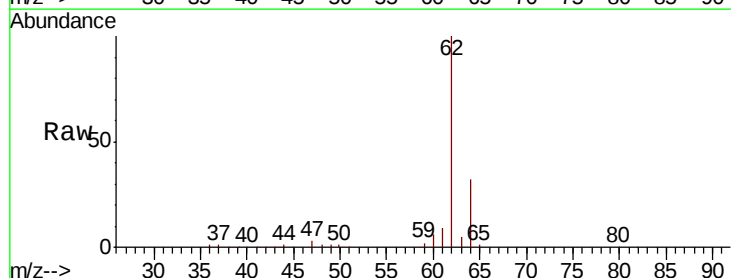
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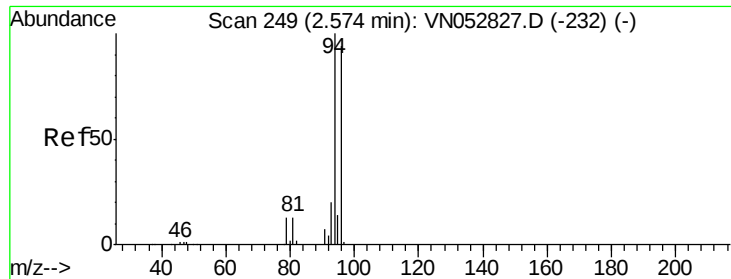
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#4
Vinyl Chloride
Concen: 50.133 ug/l
RT: 2.19 min Scan# 130
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.9	25.5	38.3





#5

Bromomethane

Concen: 47.532 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052827.D

Acq: 12 Dec 2018 15:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 371709

Ion Ratio Lower Upper

94 100

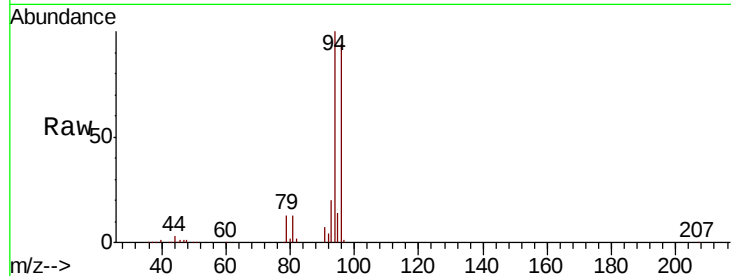
96 93.7 75.0 112.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

200000

150000

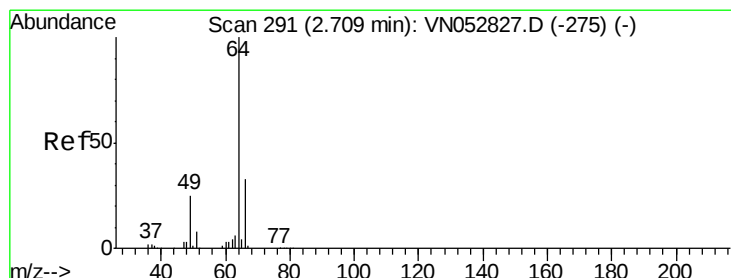
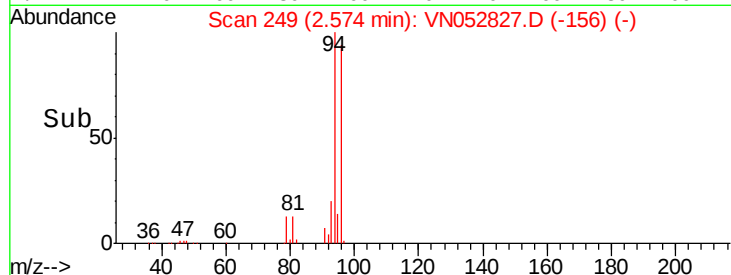
100000

50000

0

2.50 2.55 2.60 2.65

Time-->



#6

Chloroethane

Concen: 49.289 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052827.D

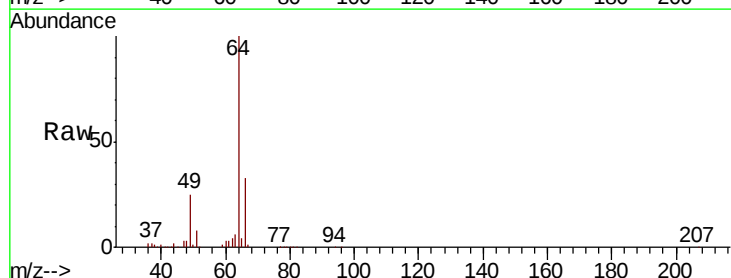
Acq: 12 Dec 2018 15:12

Tgt Ion: 64 Resp: 369389

Ion Ratio Lower Upper

64 100

66 32.7 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

200000

150000

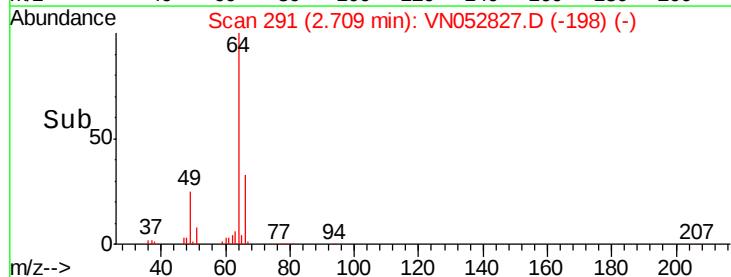
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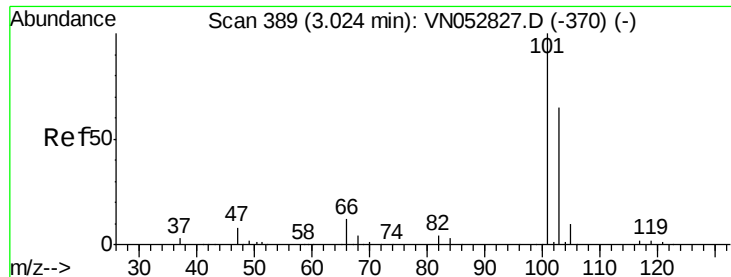
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2.60 2.70 2.80

Time-->





#7

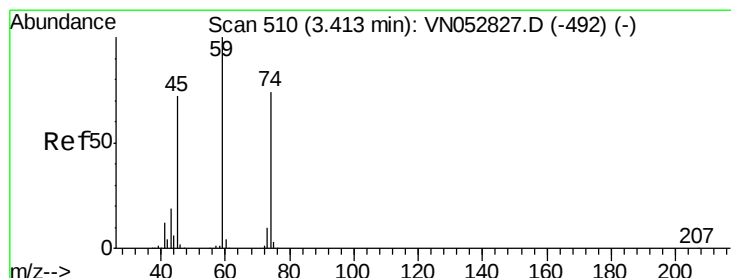
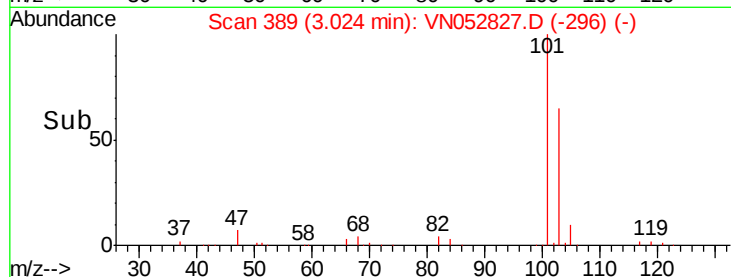
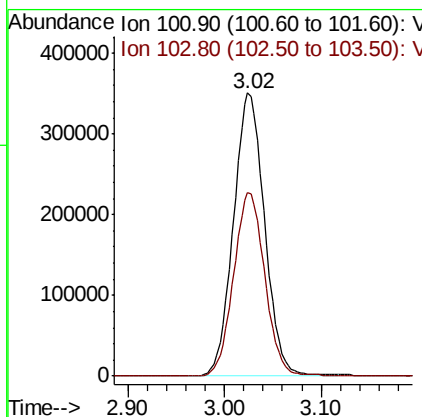
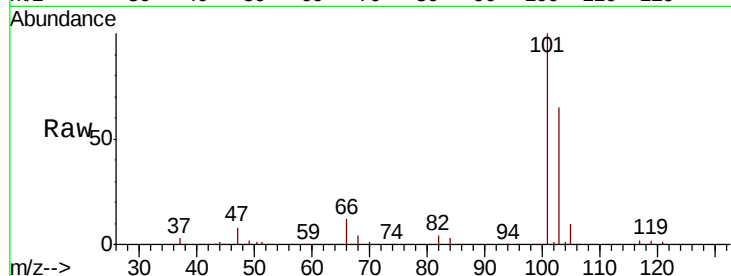
Trichlorofluoromethane
Concen: 49.918 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.8	77.6

Manual Integrations
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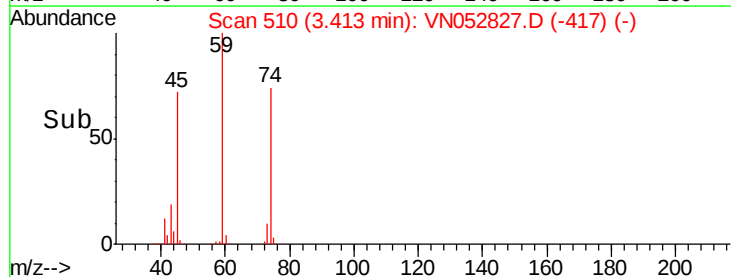
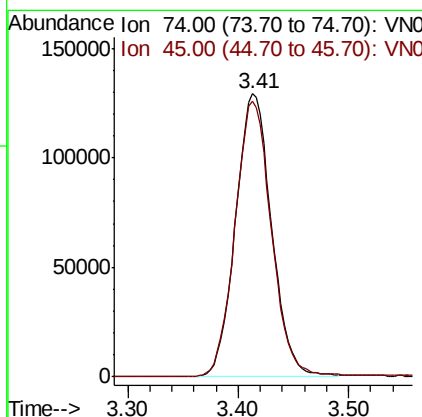
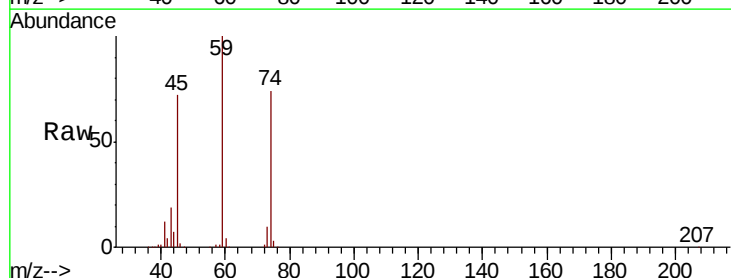
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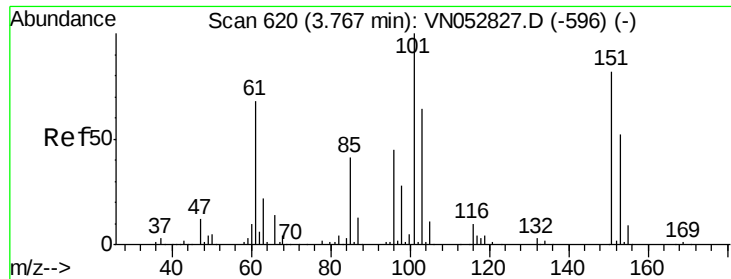


#8

Diethyl Ether
Concen: 51.003 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.7	49.4	148.0





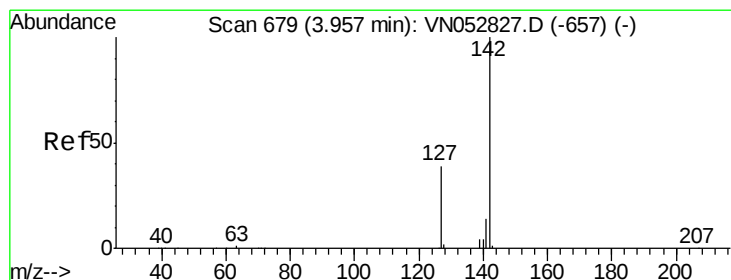
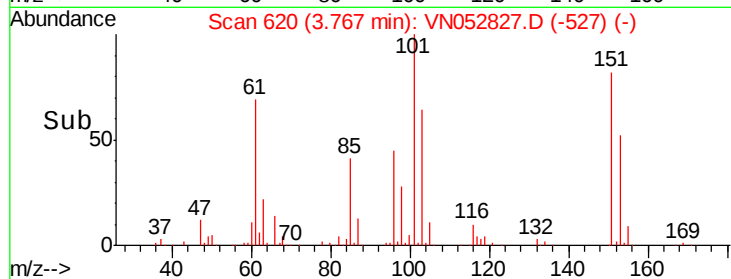
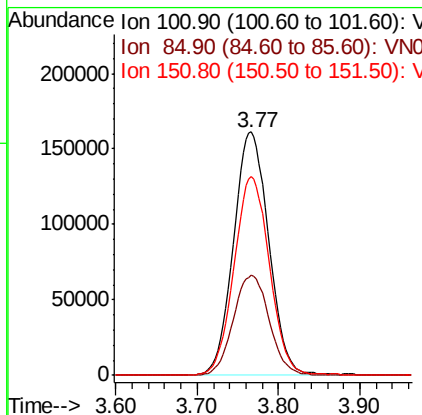
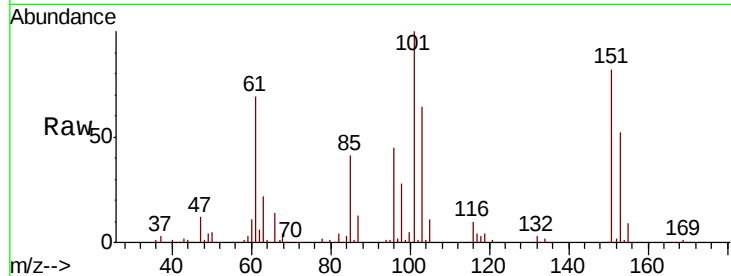
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 49.638 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: VN052827.D
 Acq: 12 Dec 2018 15:12

Instrument :
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 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	483585		
85	42.0		33.6	50.4
151	81.9		65.5	98.3

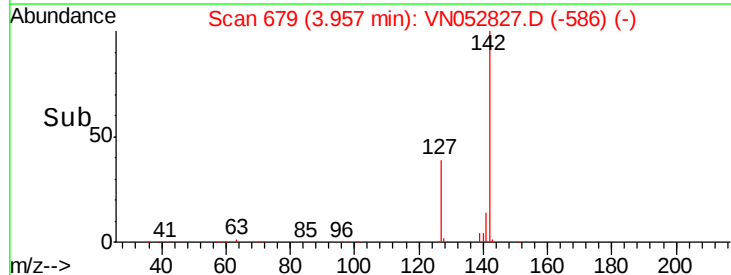
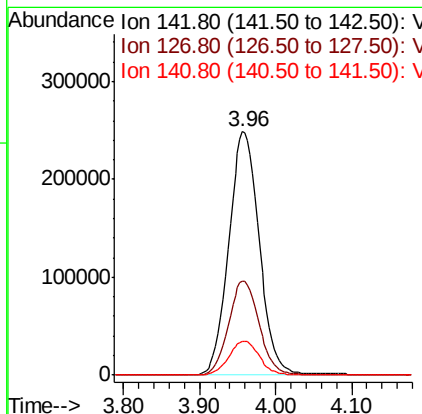
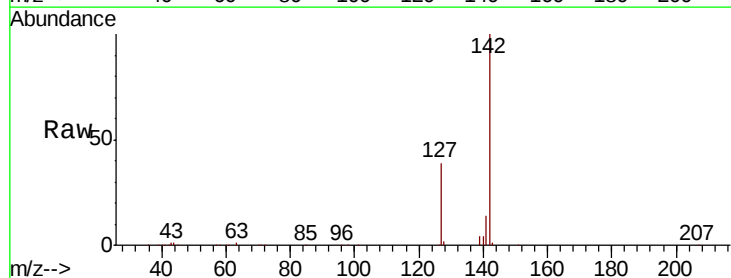
Manual Integrations
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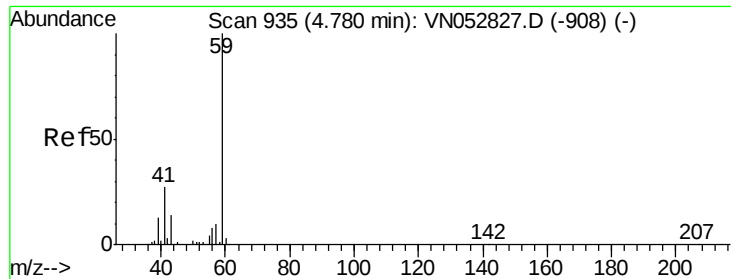
MMDadoda
 12/13/2018 1:36:11 PM



#10
 Methyl Iodide
 Concen: 50.987 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN052827.D
 Acq: 12 Dec 2018 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	695639		
127	38.8		31.0	46.6
141	14.0		11.2	16.8





#11

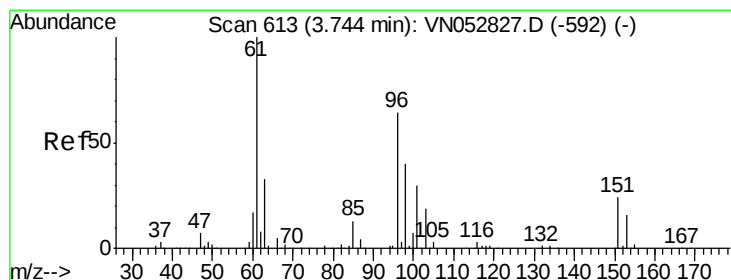
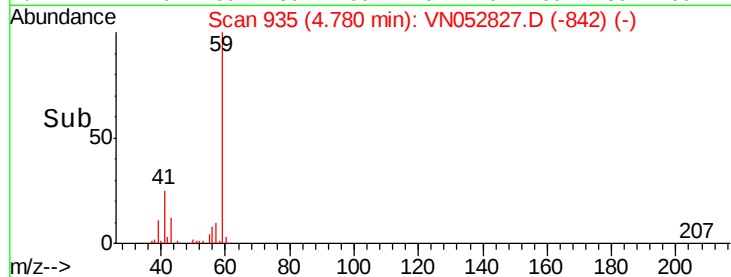
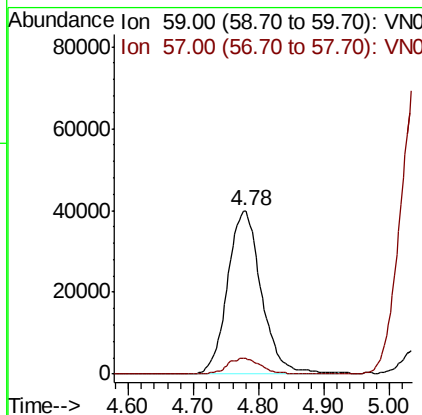
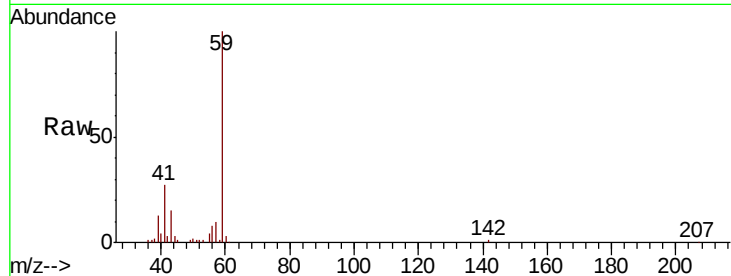
Tert butyl alcohol
 Concen: 236.127 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VN052827.D
 Acq: 12 Dec 2018 15:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	59.00 (58.70 to 59.70): VN0	Resp	143904
Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.7	11.5

Manual Integrations
 APPROVED

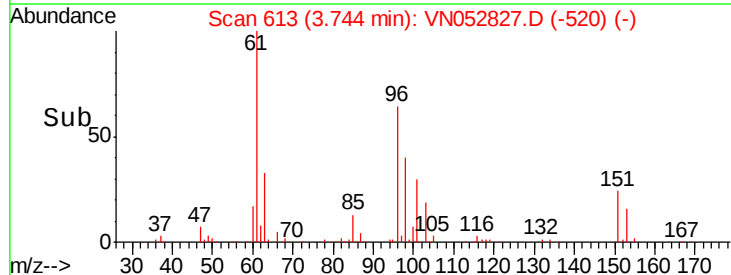
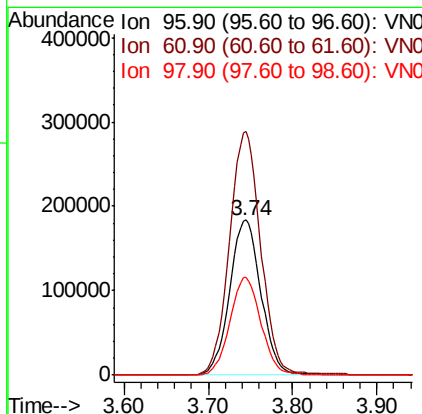
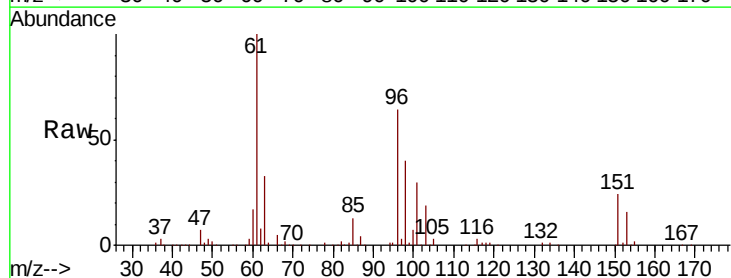
MMDadoda
 12/13/2018 1:36:11 PM

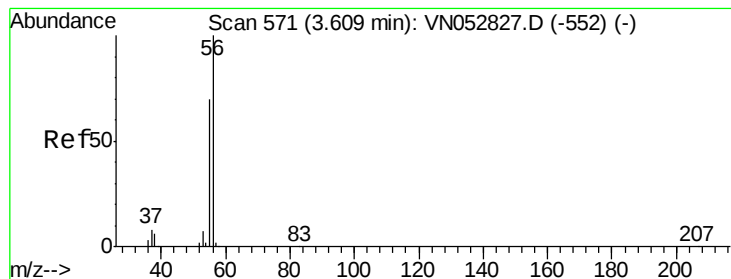


#12

1,1-Dichloroethene
 Concen: 50.330 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN052827.D
 Acq: 12 Dec 2018 15:12

Tgt Ion	96	Resp	474666
Ion	Ratio	Lower	Upper
96	100		
61	157.0	125.6	188.4
98	63.2	50.6	75.8





#13

Acrolein

Concen: 249.950 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052827.D

Acq: 12 Dec 2018 15:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 143418

Ion Ratio Lower Upper

56 100

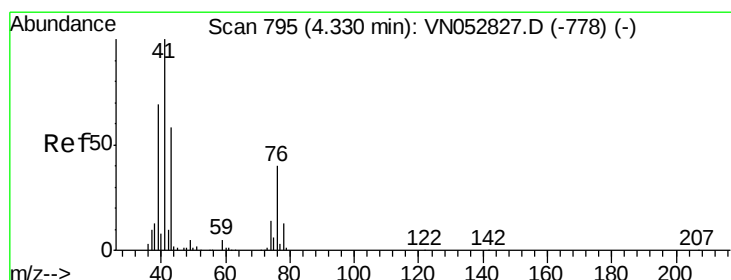
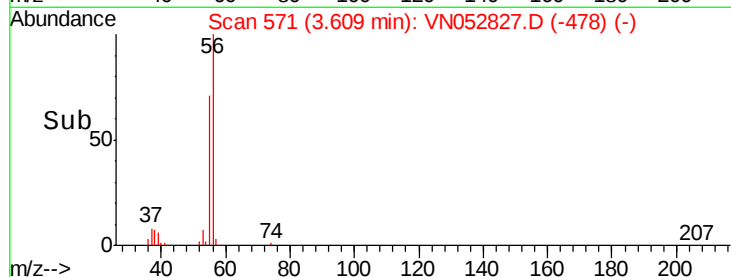
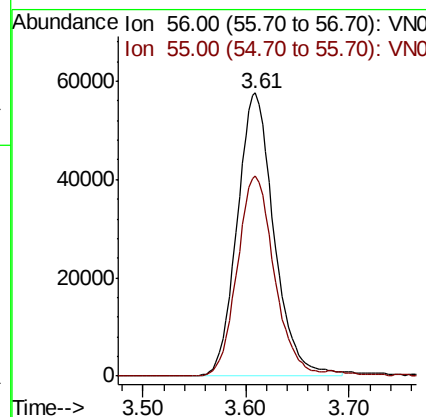
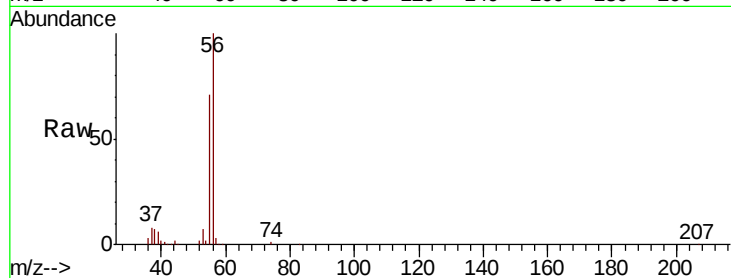
55 70.8 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 49.117 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052827.D

Acq: 12 Dec 2018 15:12

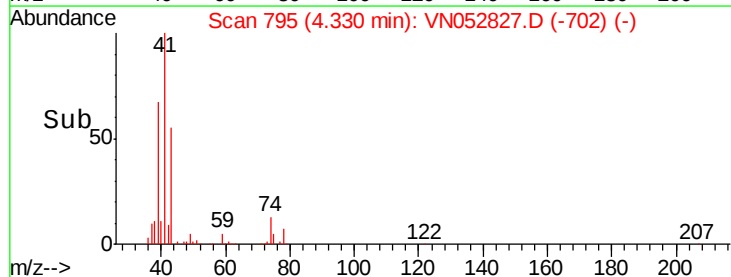
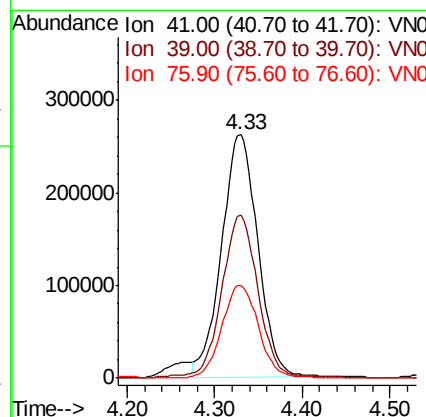
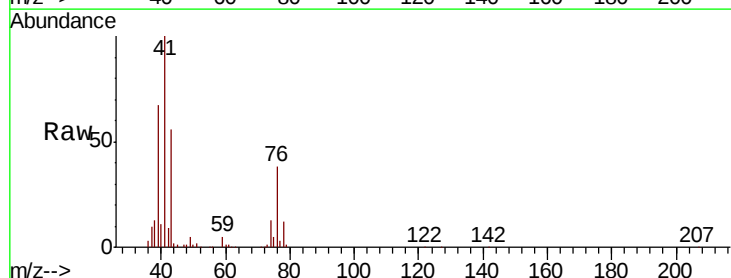
Tgt Ion: 41 Resp: 756601

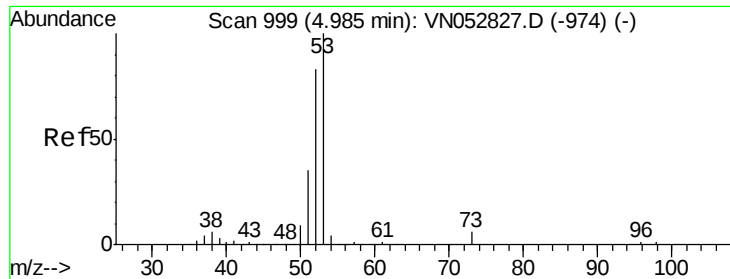
Ion Ratio Lower Upper

41 100

39 67.6 54.1 81.1

76 37.9 30.3 45.5





#15

Acrylonitrile

Concen: 256.307 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN052827.D

Acq: 12 Dec 2018 15:12

Instrument :

MSVOA_N

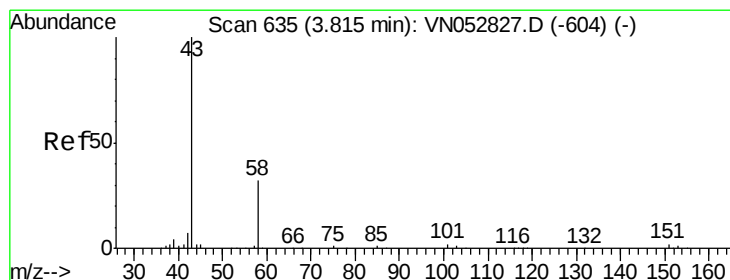
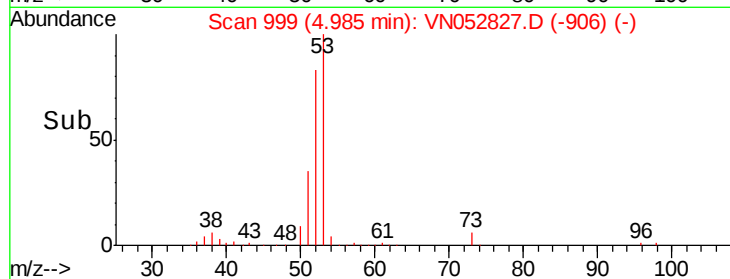
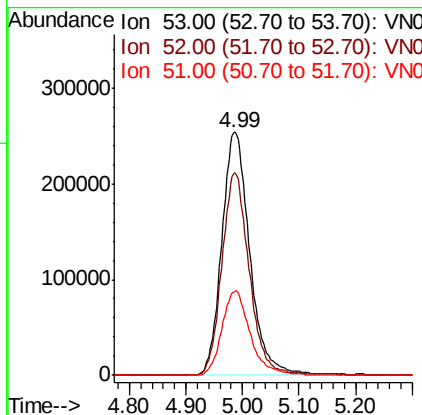
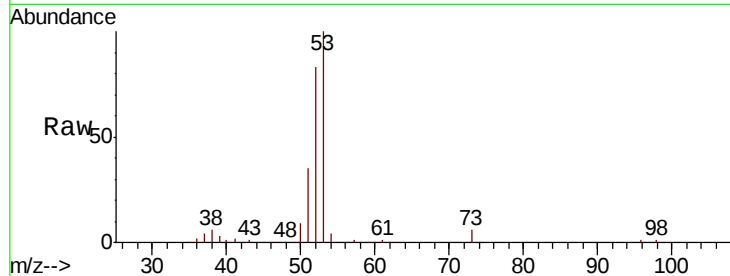
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	876309
Ion	Ratio	Lower	Upper
53	100		
52	81.4	65.1	97.7
51	35.1	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 241.808 ug/l

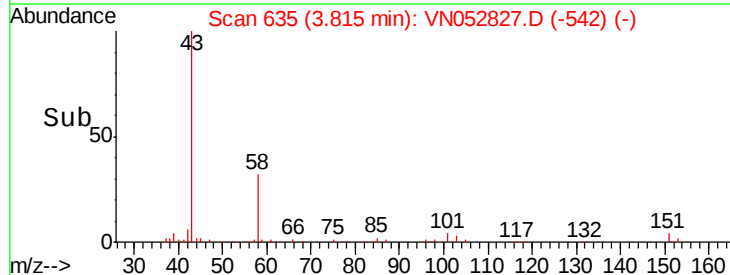
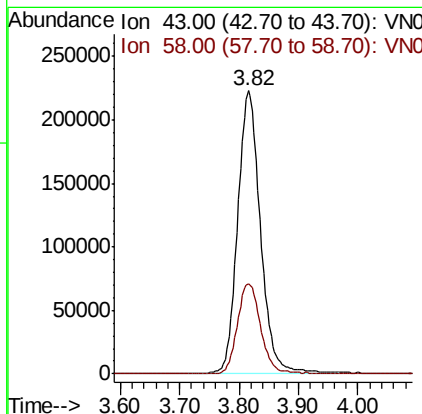
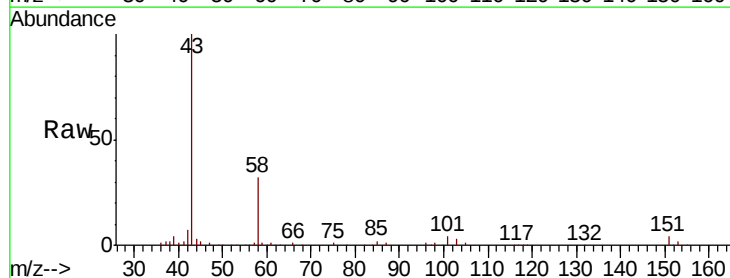
RT: 3.82 min Scan# 635

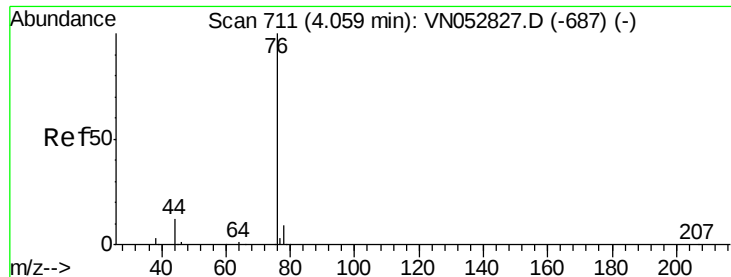
Delta R.T. 0.00 min

Lab File: VN052827.D

Acq: 12 Dec 2018 15:12

Tgt Ion:	43	Resp:	592341
Ion	Ratio	Lower	Upper
43	100		
58	31.7	25.4	38.0





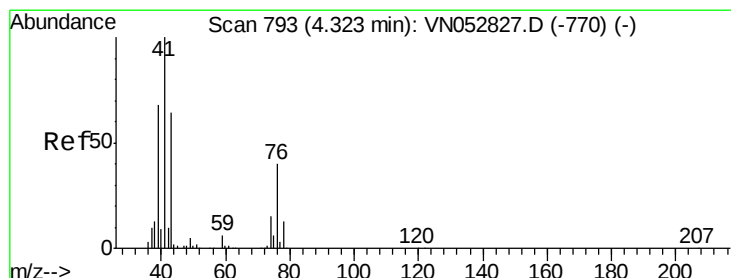
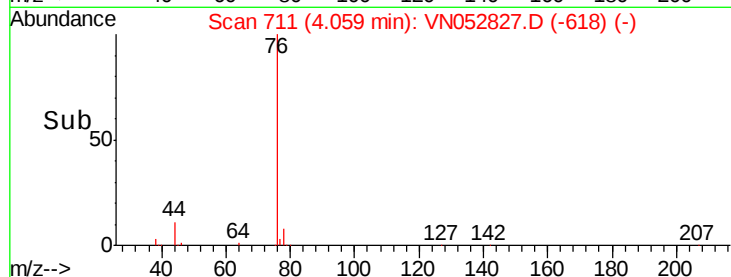
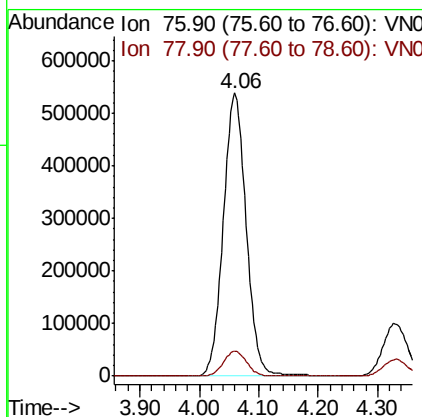
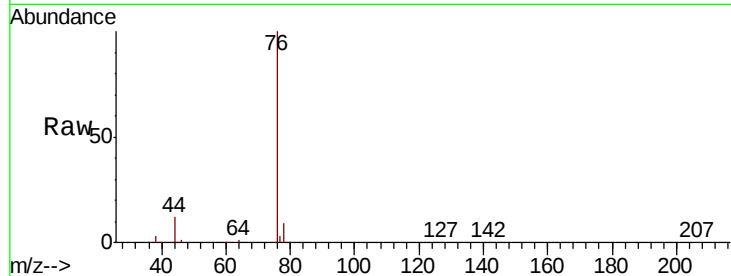
#17
Carbon Disulfide
Concen: 49.552 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 76 Resp: 1435620
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7

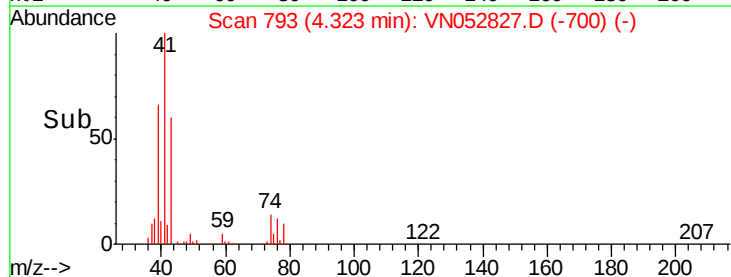
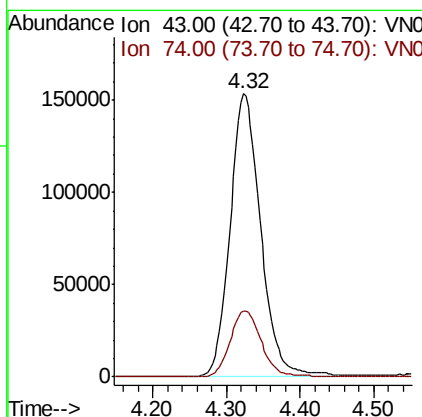
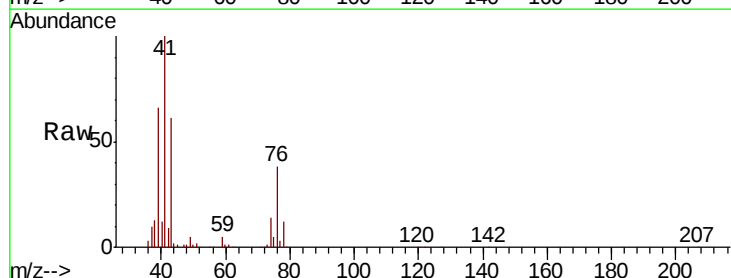
Manual Integrations
APPROVED

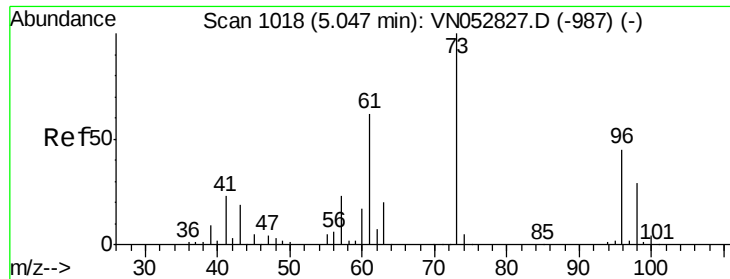
MMDadoda
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#18
Methyl Acetate
Concen: 49.078 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Tgt Ion: 43 Resp: 441223
Ion Ratio Lower Upper
43 100
74 24.0 19.2 28.8





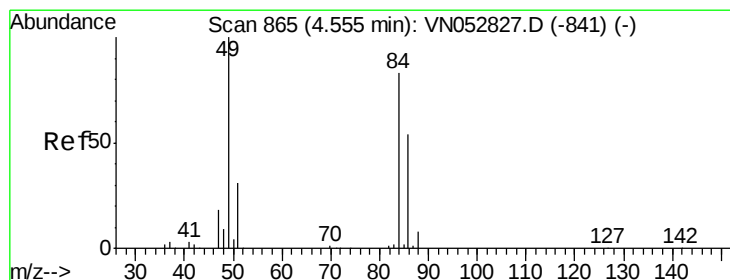
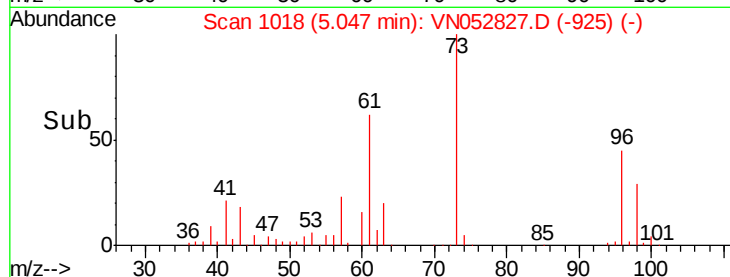
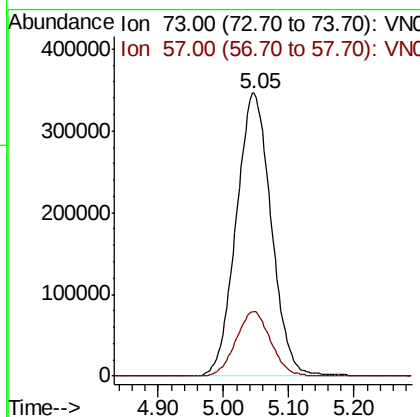
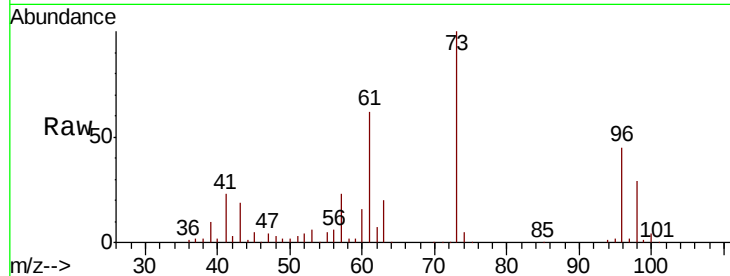
#19
Methvl tert-butvl Ether
Concen: 50.362 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 1289430
Ion Ratio Lower Upper
73 100
57 23.0 18.4 27.6

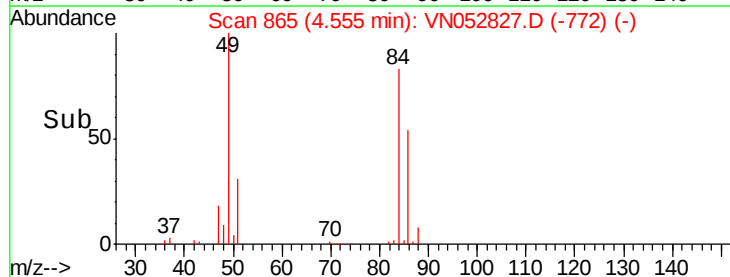
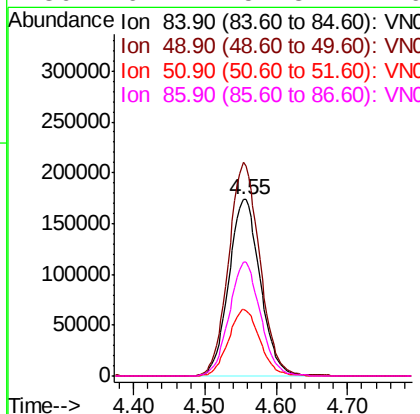
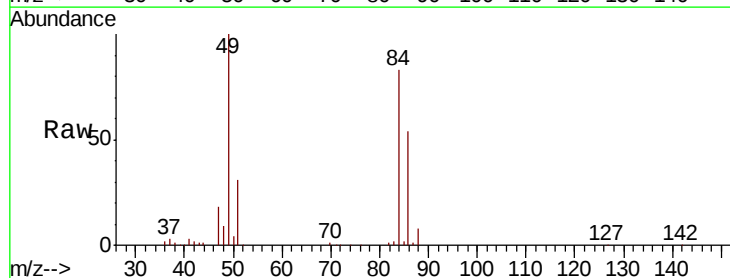
Manual Integrations
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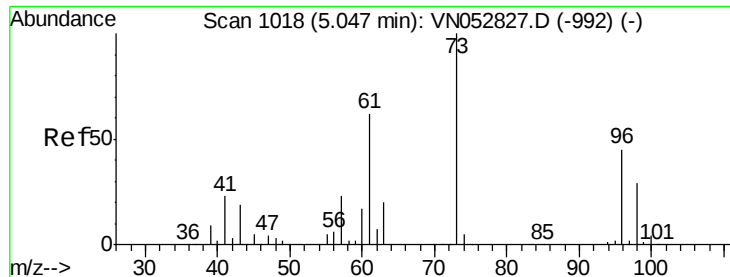
MMDadoda
12/13/2018 1:36:11 PM



#20
Methylene Chloride
Concen: 48.393 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Tgt Ion: 84 Resp: 533487
Ion Ratio Lower Upper
84 100
49 121.0 96.8 145.2
51 37.4 29.9 44.9
86 64.7 51.8 77.6





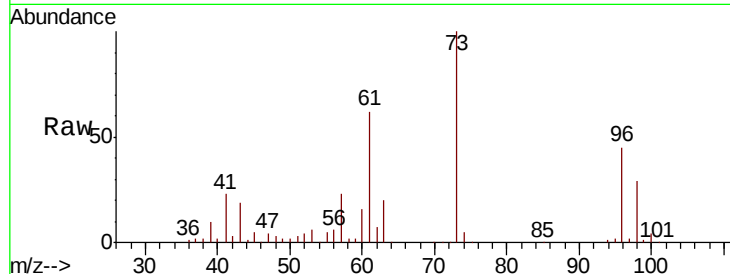
#21
trans-1,2-Dichloroethene
Concen: 49.241 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.5	110.8	166.2
98	64.3	51.4	77.2

Manual Integrations
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12/13/2018 1:36:11 PM

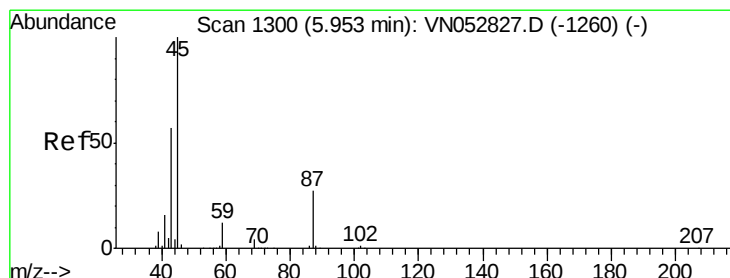
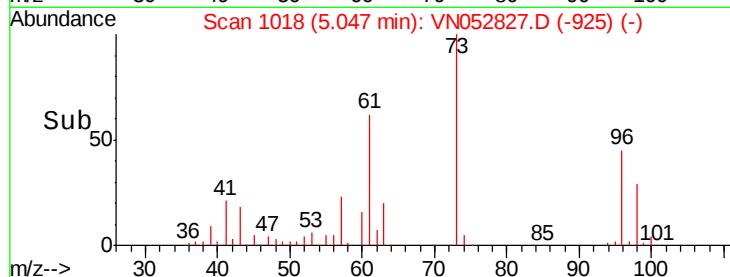
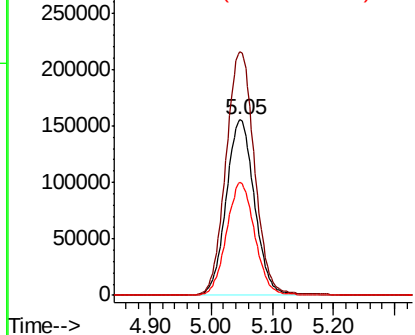


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 50.431 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.9	45.5	68.3
87	27.5	22.0	33.0
59	11.7	9.4	14.0

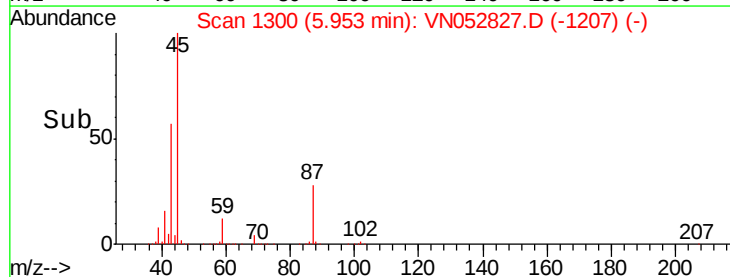
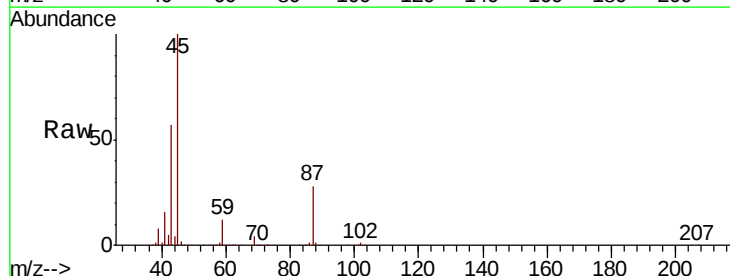
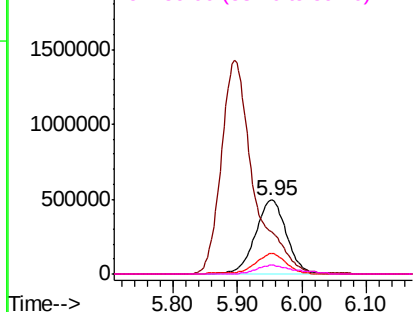
Abundance

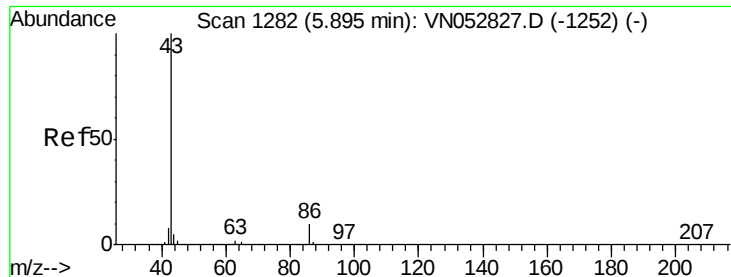
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 255.178 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052827.D

Acq: 12 Dec 2018 15:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 4989883

Ion Ratio Lower Upper

43 100

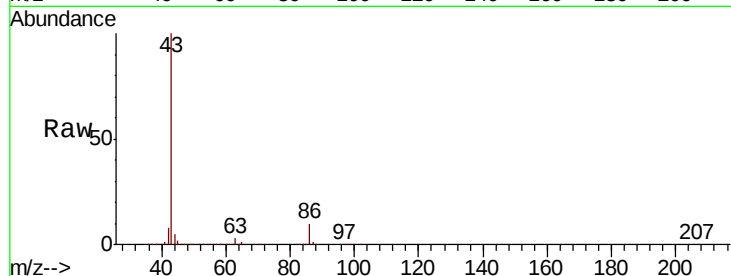
86 10.1 8.1 12.1

Manual Integrations

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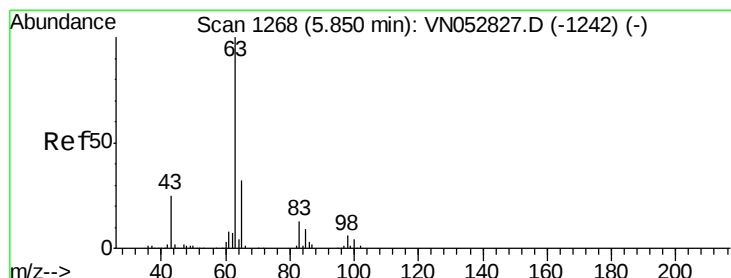
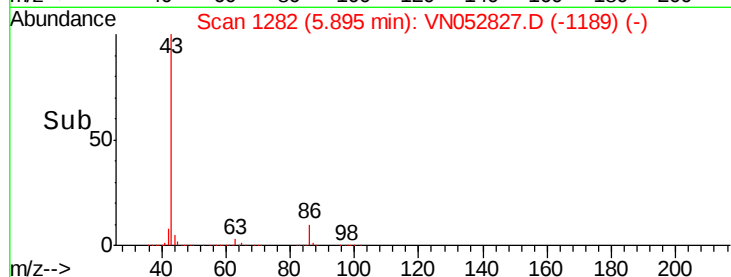
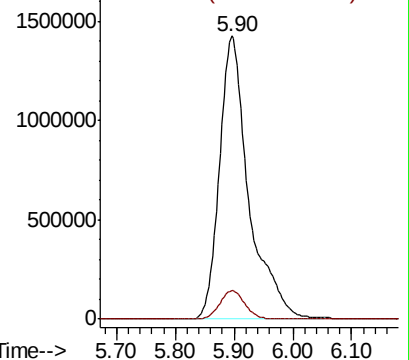
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 50.053 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN052827.D

Acq: 12 Dec 2018 15:12

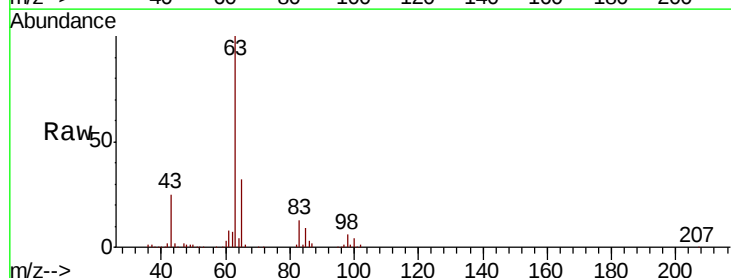
Tgt Ion: 63 Resp: 948548

Ion Ratio Lower Upper

63 100

98 6.3 3.1 9.4

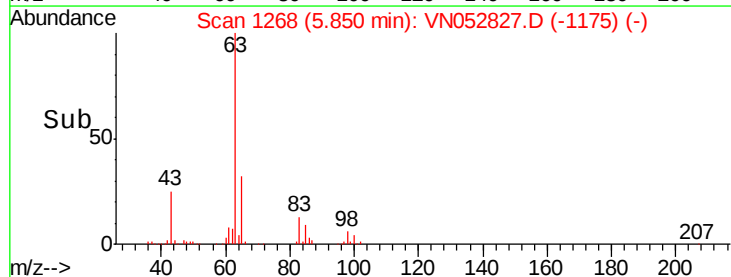
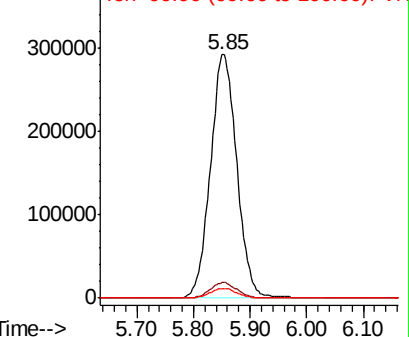
100 3.9 2.0 5.8

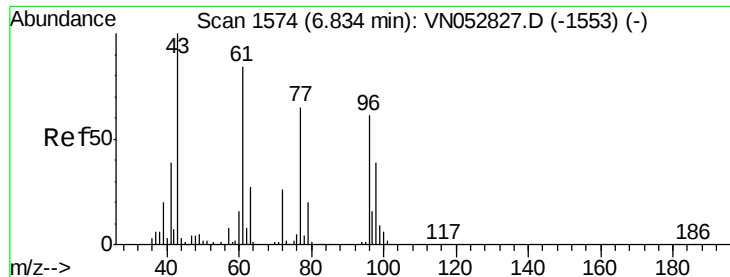


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





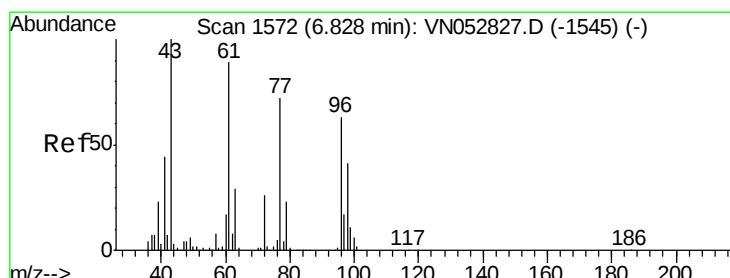
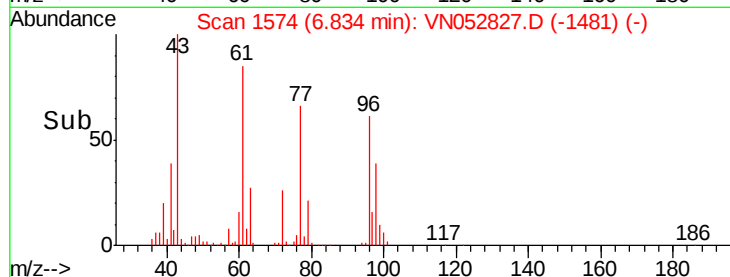
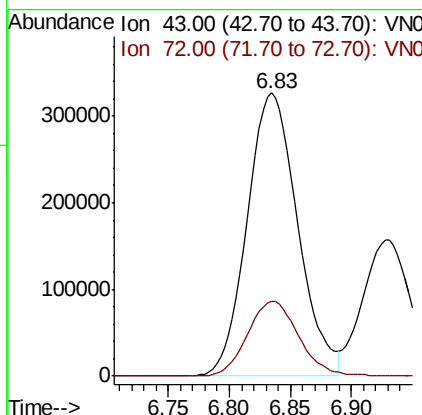
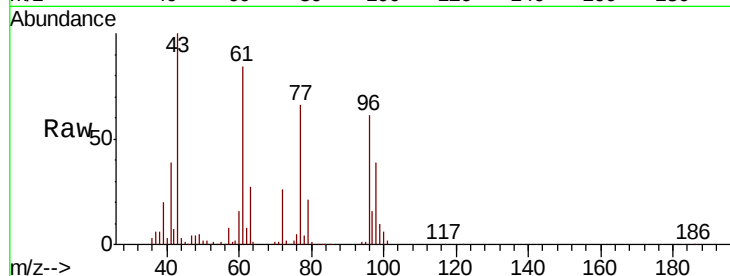
#25
2-Butanone
Concen: 246.366 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 936428
Ion Ratio Lower Upper
43 100
72 26.3 21.0 31.6

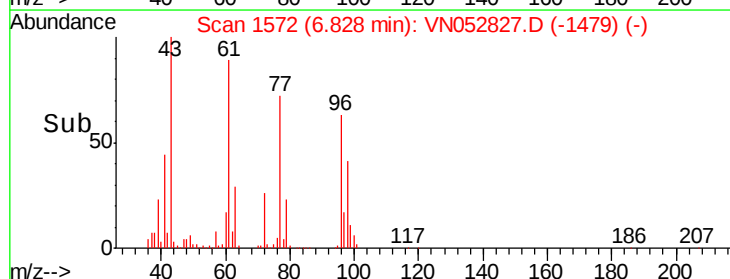
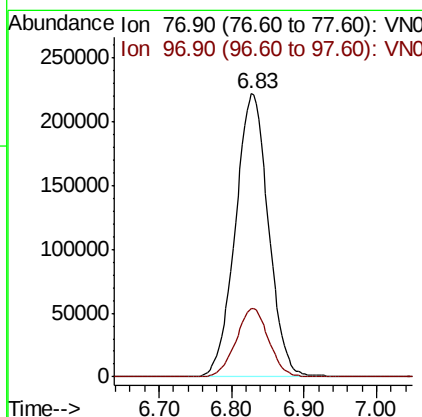
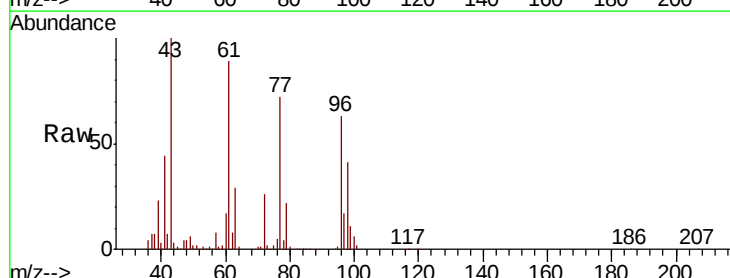
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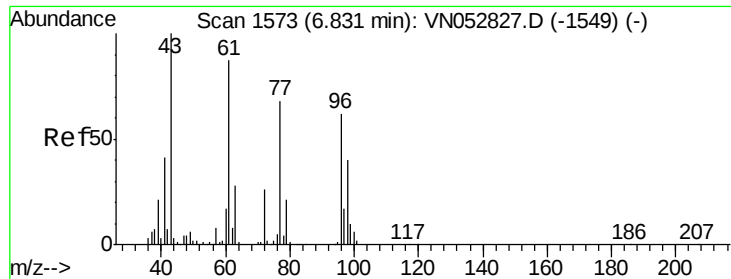
MMDadoda
12/13/2018 1:36:11 PM



#26
2,2-Dichloropropane
Concen: 50.443 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Tgt Ion: 77 Resp: 703973
Ion Ratio Lower Upper
77 100
97 23.9 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 49.945 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052827.D

Acq: 12 Dec 2018 15:12

Instrument :

MSVOA_N

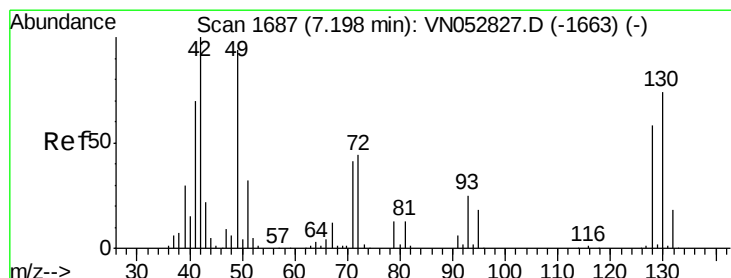
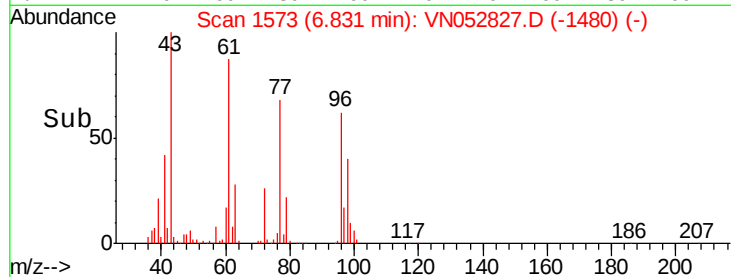
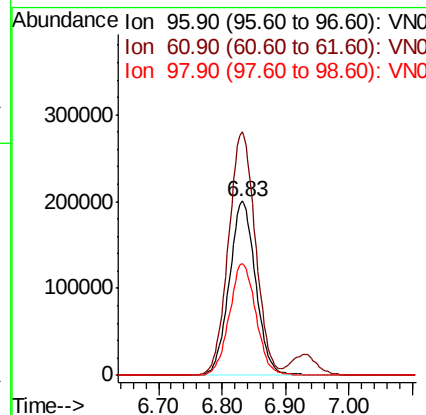
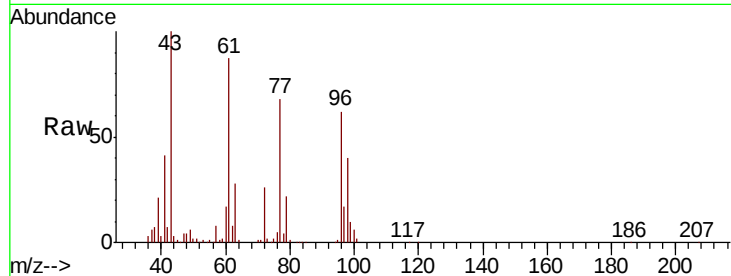
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	579190
Ion Ratio	Lower	Upper	
96	100		
61	142.1	0.0	284.2
98	64.6	0.0	129.2

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MMDadoda
12/13/2018 1:36:11 PM



#28

Bromochloromethane

Concen: 50.799 ug/l

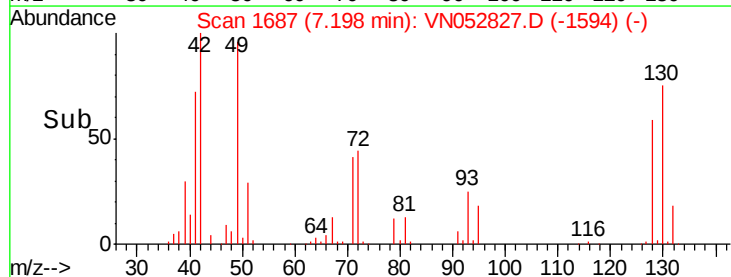
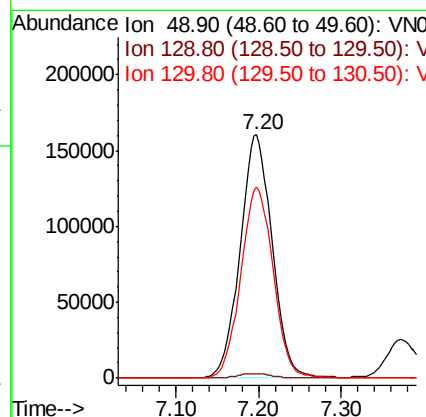
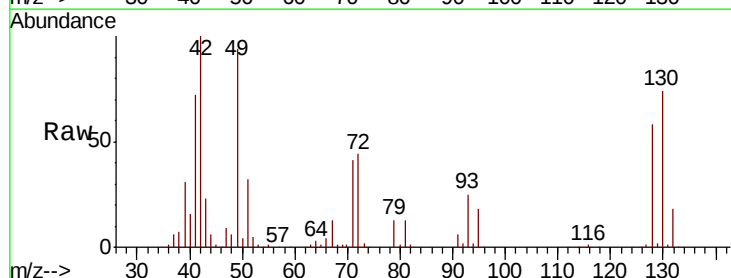
RT: 7.20 min Scan# 1687

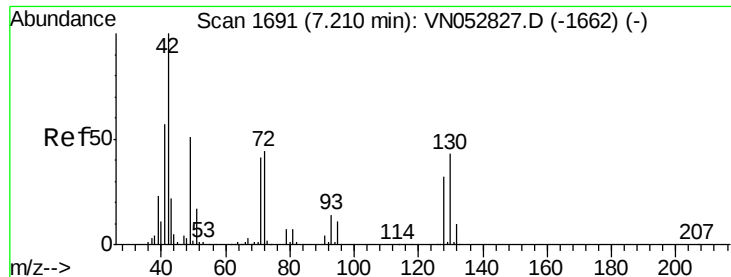
Delta R.T. 0.00 min

Lab File: VN052827.D

Acq: 12 Dec 2018 15:12

Tgt Ion:	49	Resp:	432292
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	4.0
130	79.1	63.3	94.9





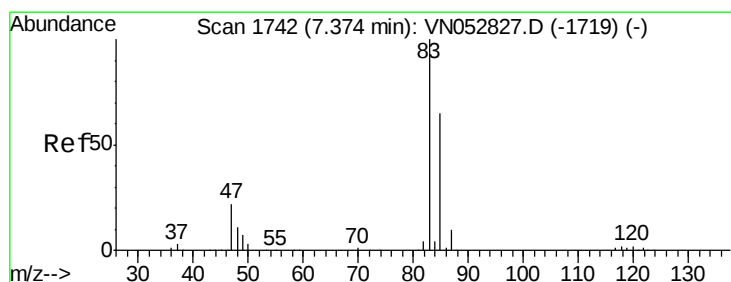
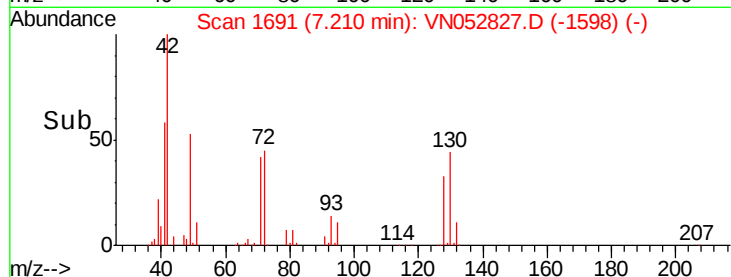
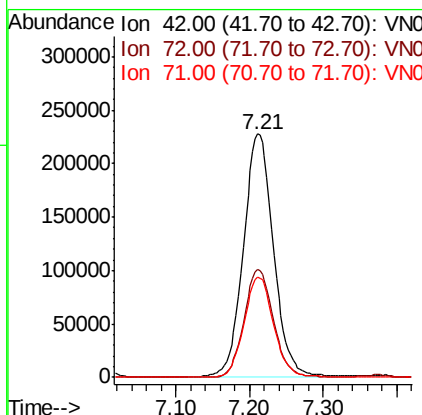
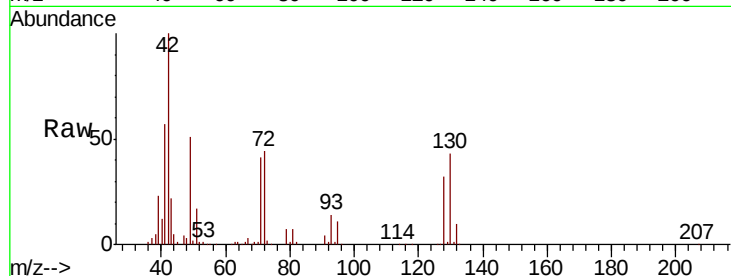
#29
Tetrahydrofuran
Concen: 249.874 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	34.7	52.1
71	40.4	32.3	48.5

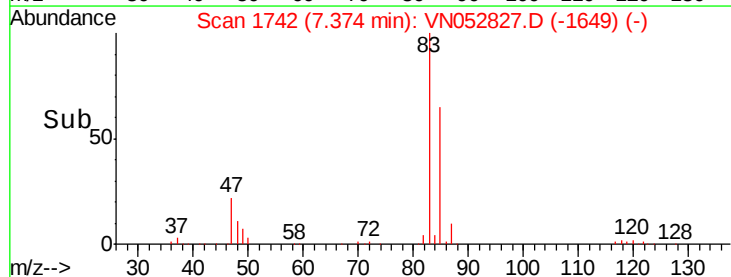
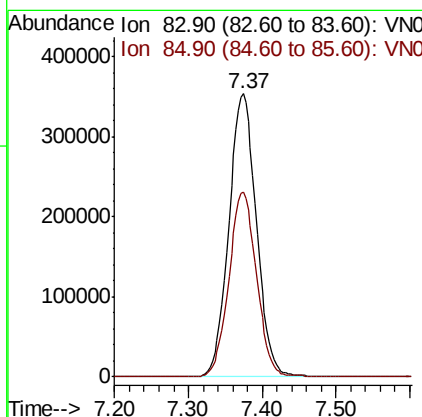
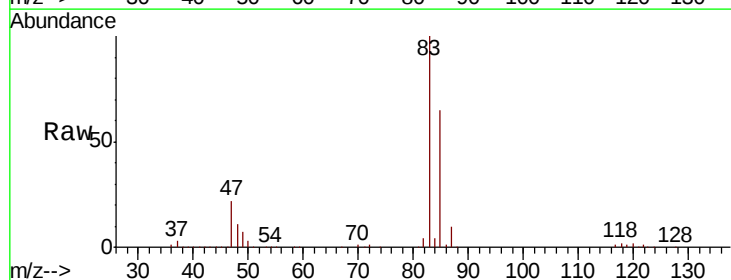
Manual Integrations
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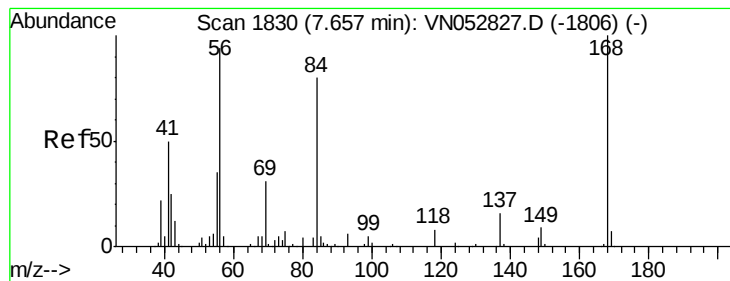
MMDadoda
12/13/2018 1:36:11 PM



#30
Chloroform
Concen: 49.718 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.1	78.1





#31

Cyclohexane

Concen: 42.977 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052827.D

Acq: 12 Dec 2018 15:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 908066

Ion Ratio Lower Upper

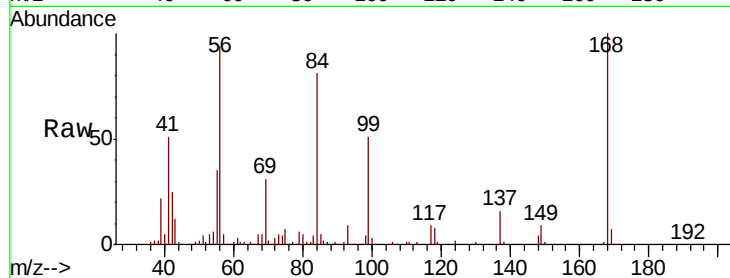
56 100

69 33.2 26.6 39.8

84 85.5 68.4 102.6

Manual Integrations
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MMDadoda
12/13/2018 1:36:11 PM

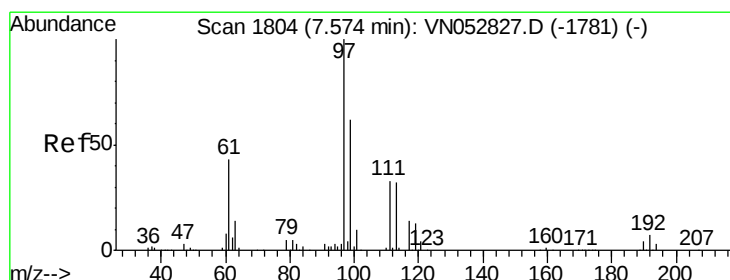
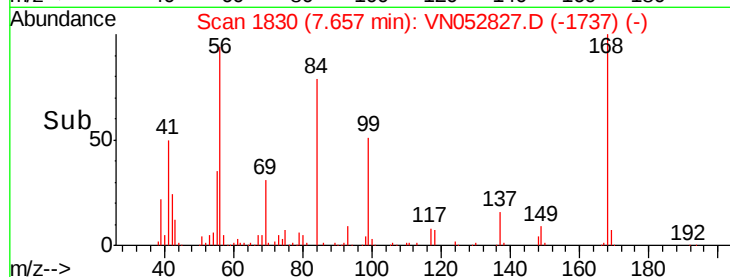
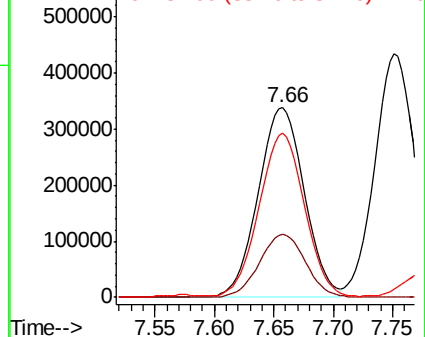


Abundance

Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 50.152 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052827.D

Acq: 12 Dec 2018 15:12

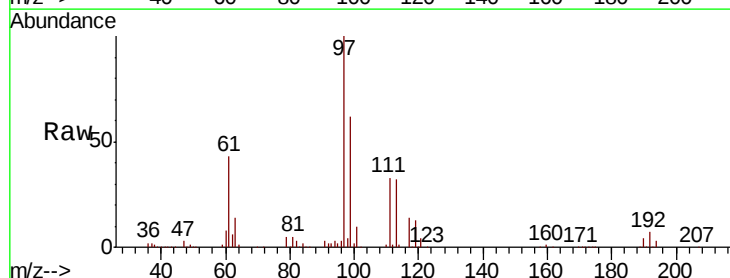
Tgt Ion: 97 Resp: 775452

Ion Ratio Lower Upper

97 100

99 63.9 51.1 76.7

61 43.8 35.0 52.6

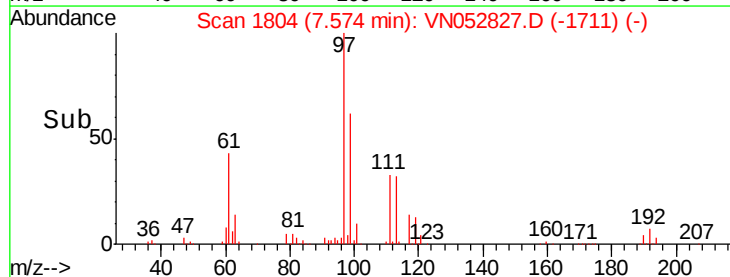
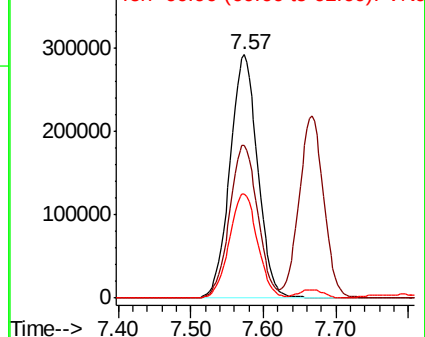


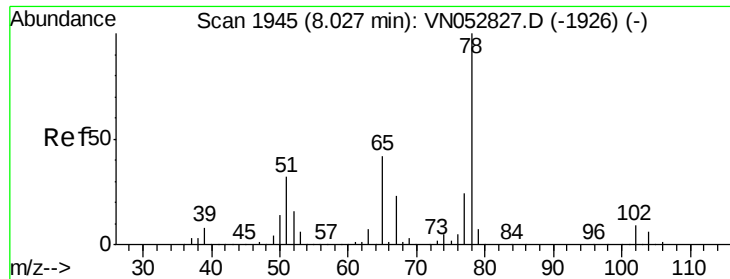
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

Ion 60.90 (60.60 to 61.60): VNO





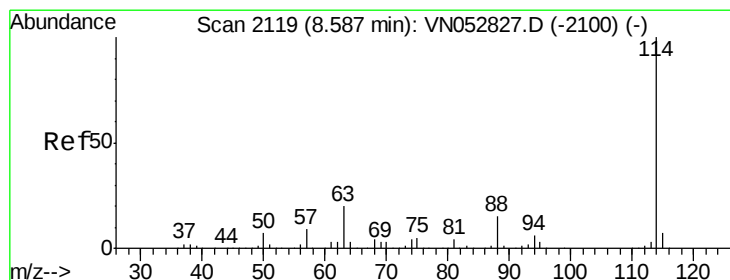
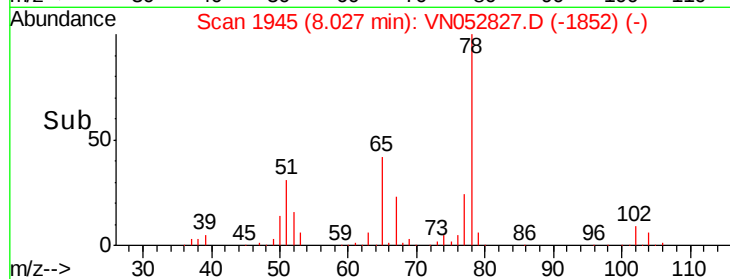
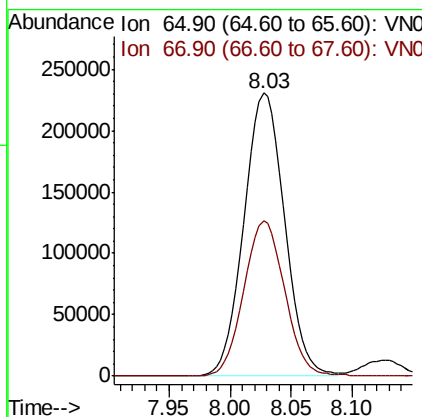
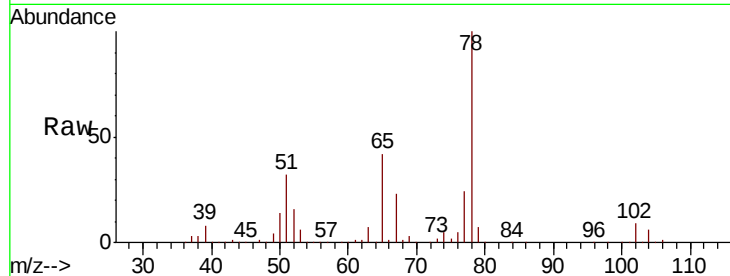
#33
 1,2-Dichloroethane-d4
 Concen: 50.152 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052827.D
 Acq: 12 Dec 2018 15:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.2	0.0	110.4	

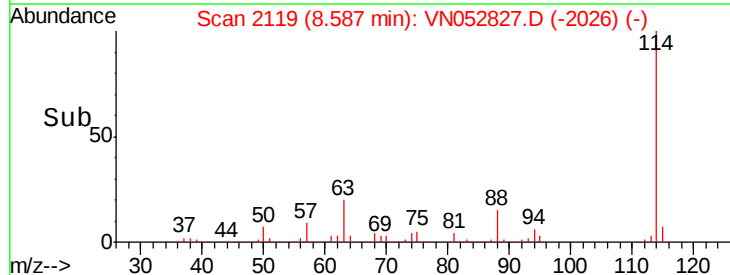
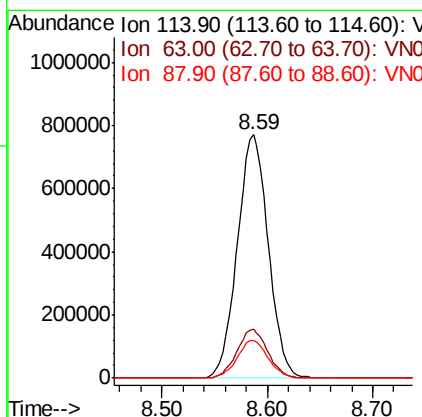
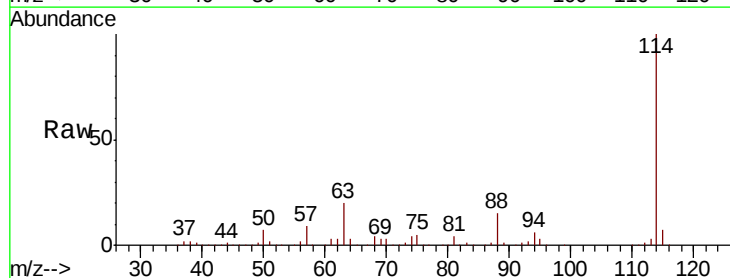
Manual Integrations
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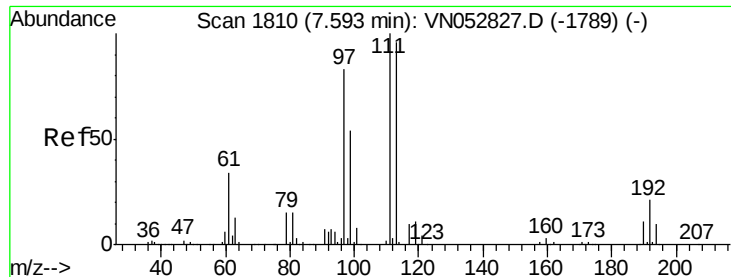
MMDadoda
 12/13/2018 1:36:11 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052827.D
 Acq: 12 Dec 2018 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.9	0.0	39.8	
88	15.5	0.0	31.0	





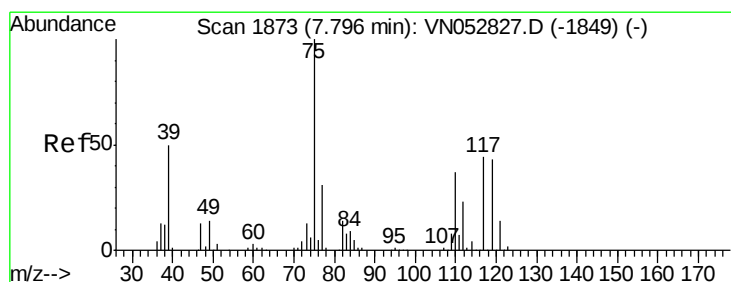
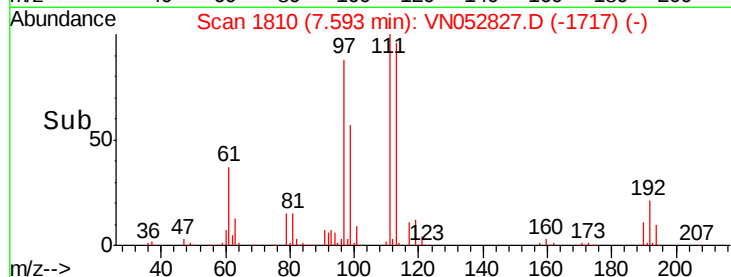
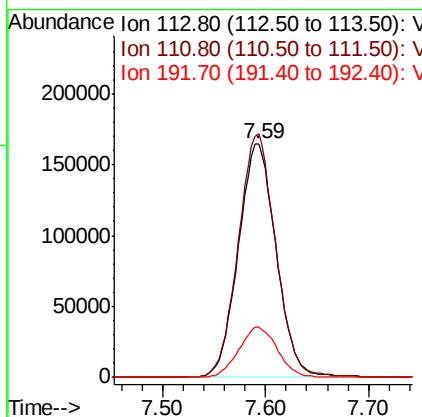
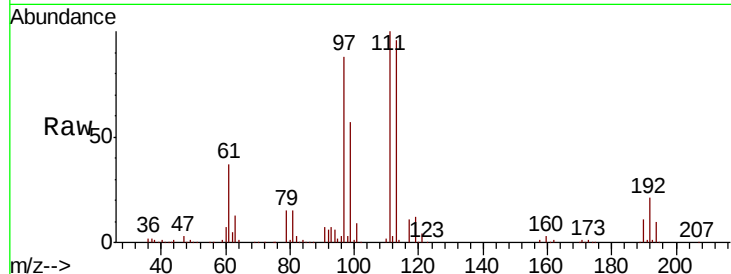
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.7	83.0	124.4	
192	21.9	17.5	26.3	

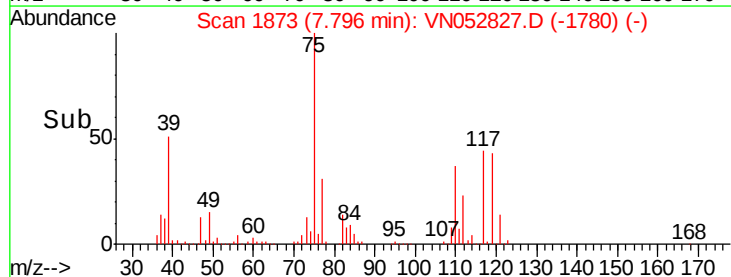
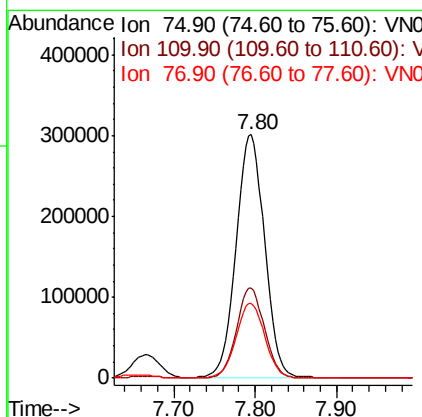
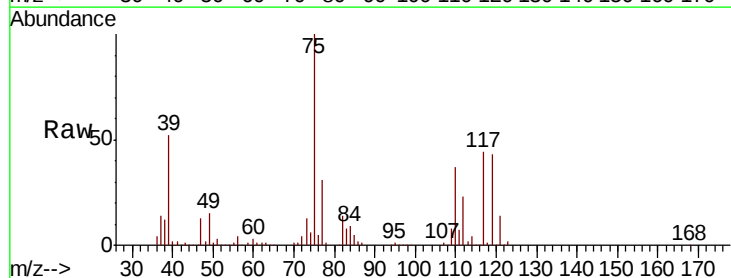
Manual Integrations
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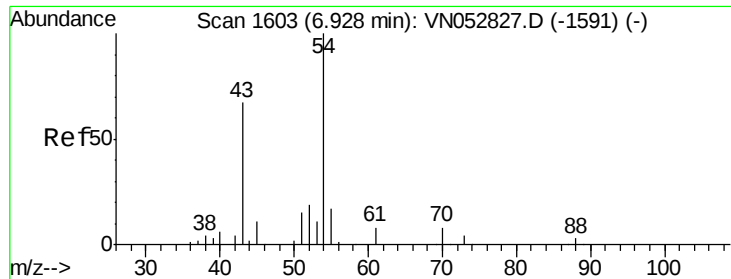
MMDadoda
12/13/2018 1:36:11 PM



#36
1,1-Dichloropropene
Concen: 50.326 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.4	18.2	54.6	
77	31.1	24.9	37.3	





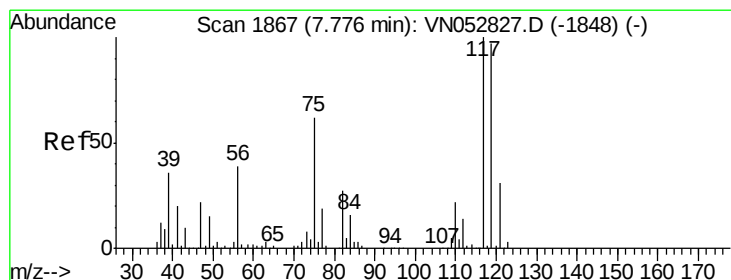
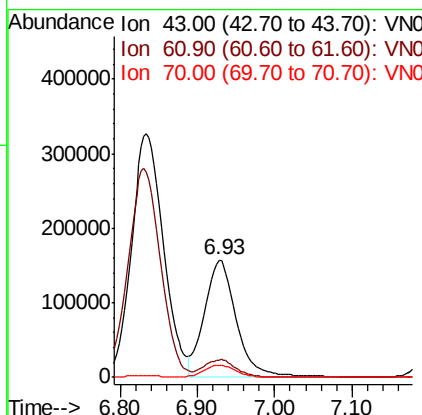
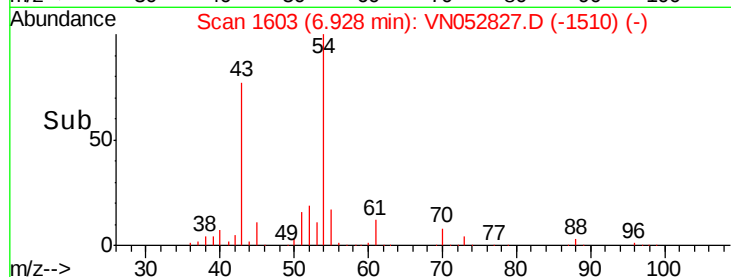
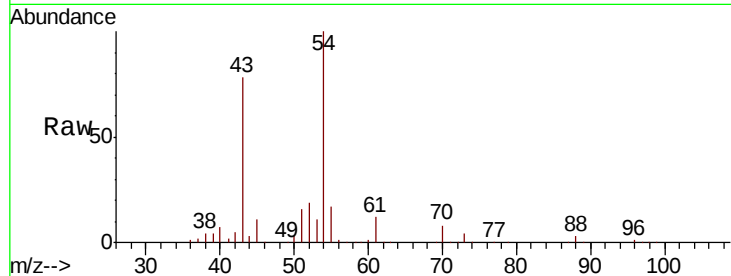
#37
Ethyl Acetate
Concen: 51.493 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.8	17.6
70	10.5	8.4	12.6

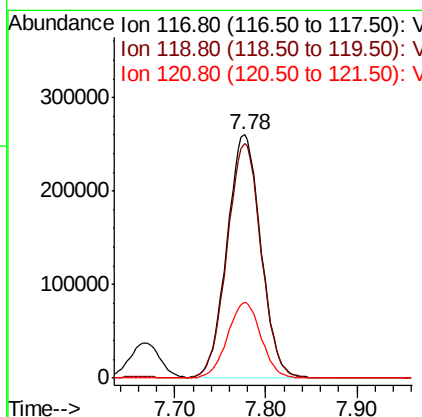
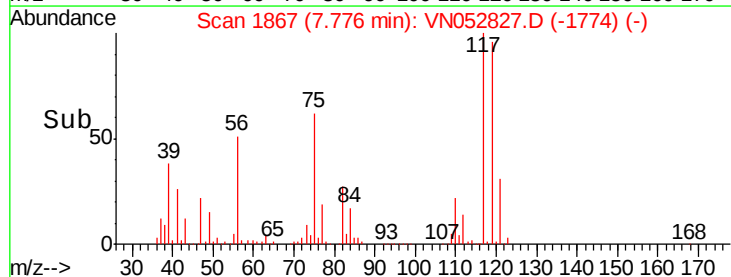
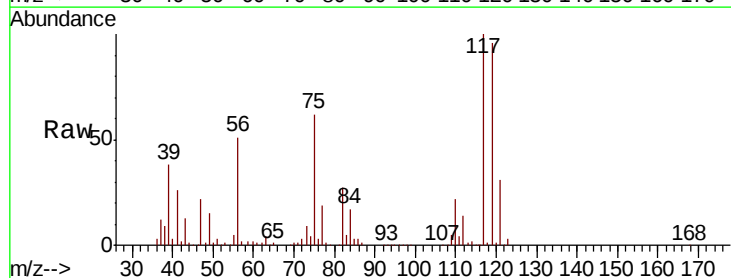
Manual Integrations
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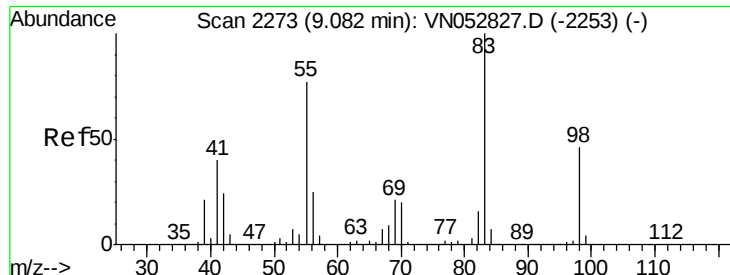
MMDadoda
12/13/2018 1:36:11 PM



#38
Carbon Tetrachloride
Concen: 50.521 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.1	115.7
121	31.1	24.9	37.3





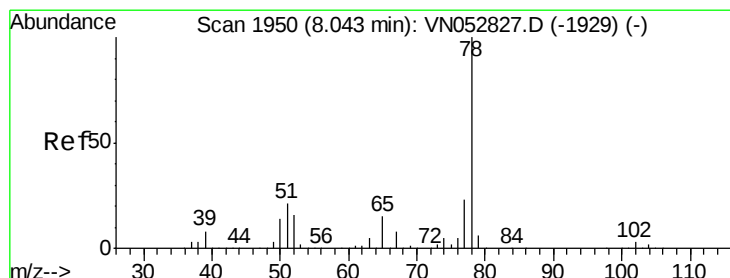
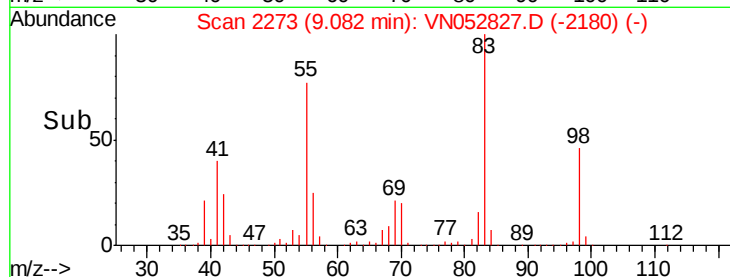
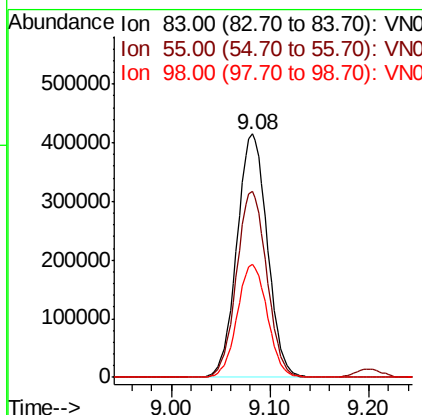
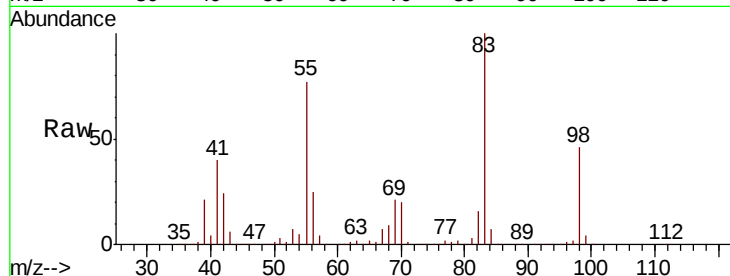
#39
Methvlcvclohexane
Concen: 49.788 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.6	61.3	91.9
98	46.2	37.0	55.4

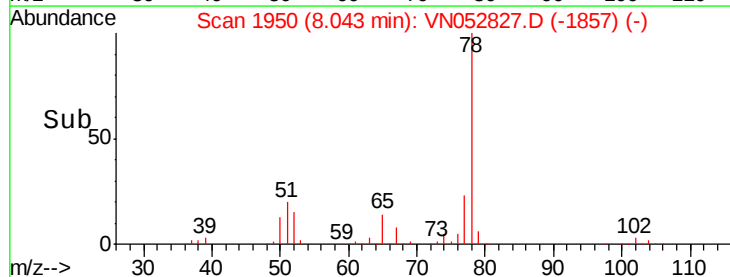
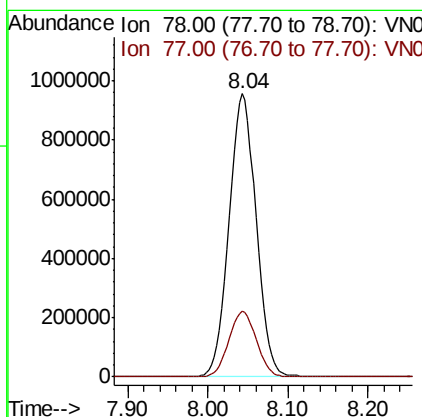
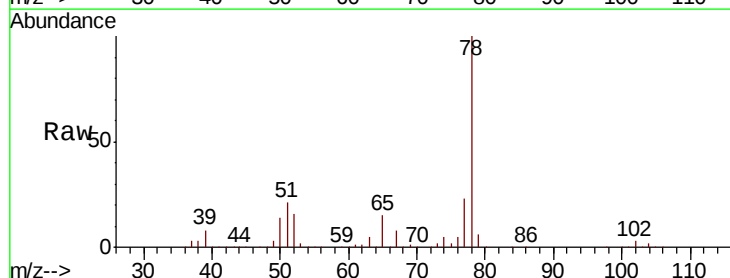
Manual Integrations
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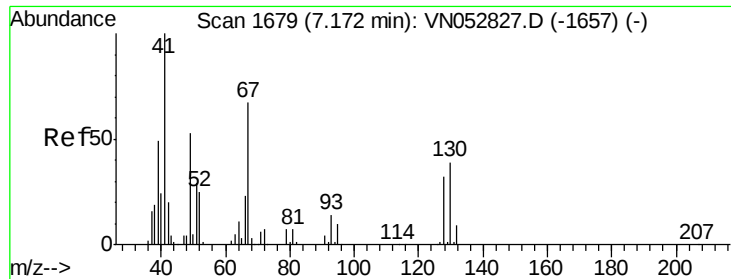
MMDadoda
12/13/2018 1:36:11 PM



#40
Benzene
Concen: 50.556 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.5	27.7





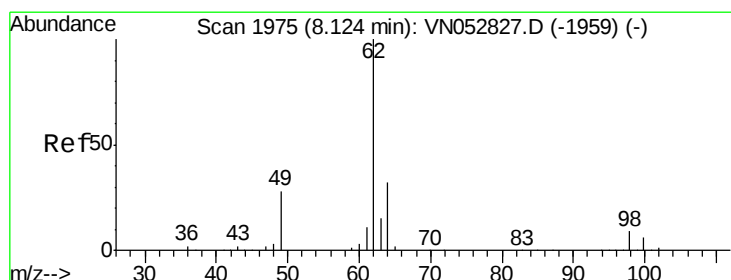
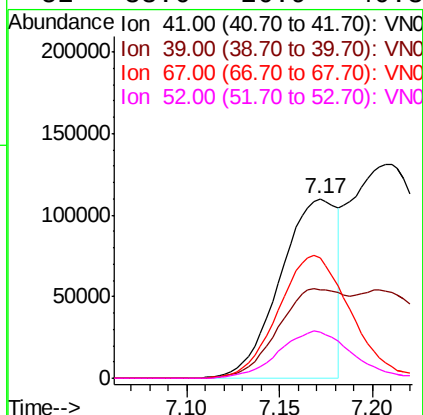
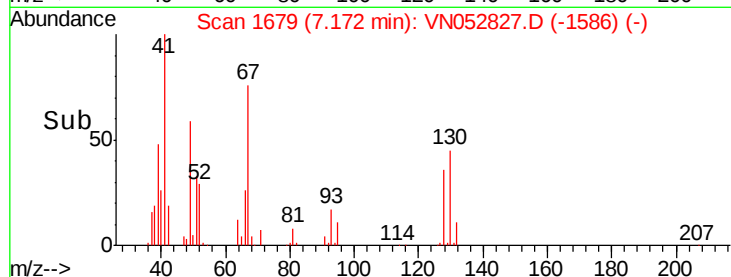
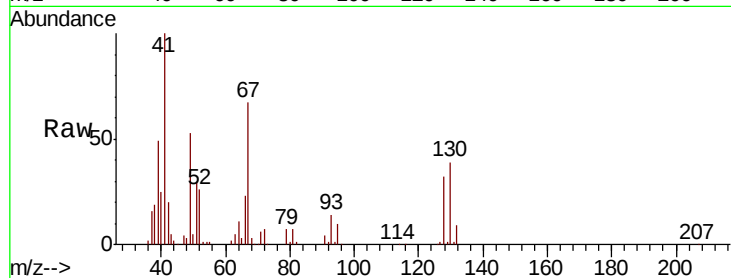
#41
Methacrylonitrile
Concen: 48.634 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.0	48.0	72.0
67	87.9	70.3	105.5
52	33.6	26.9	40.3

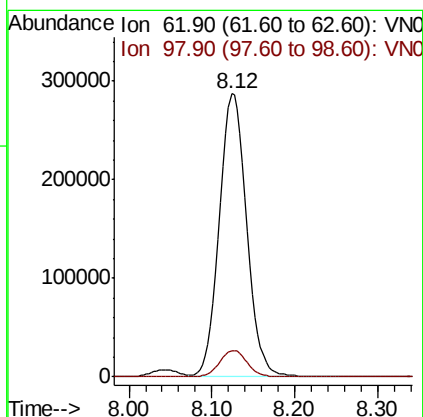
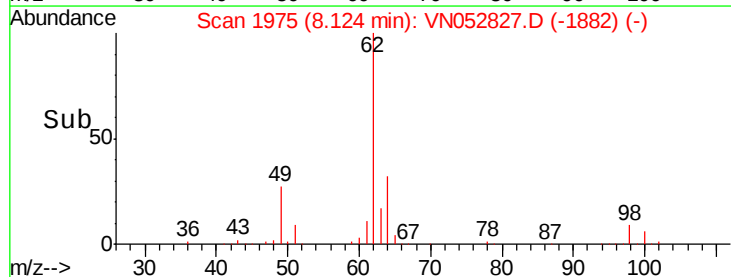
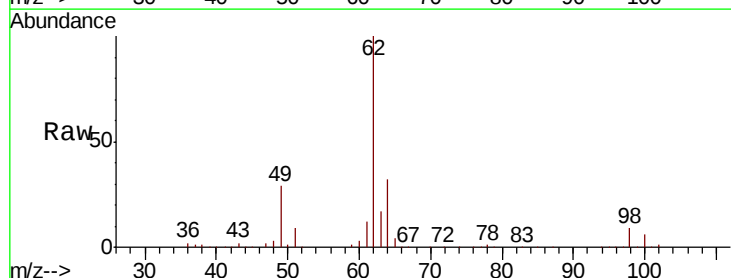
Manual Integrations
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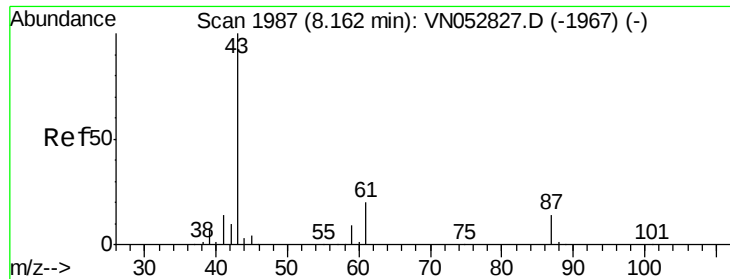
MMDadoda
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#42
1,2-Dichloroethane
Concen: 50.314 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.0





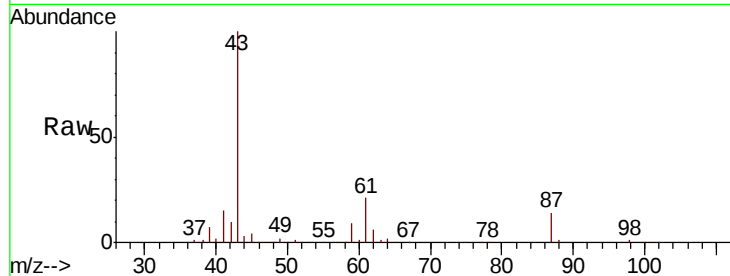
#43
Isopropyl Acetate
Concen: 45.948 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

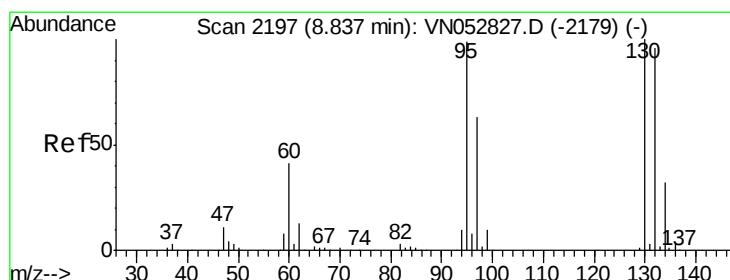
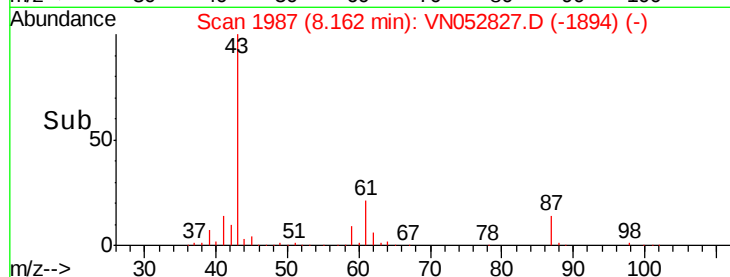
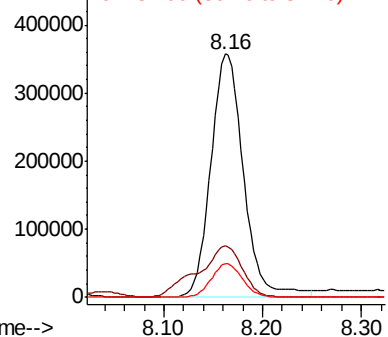
Tot Ion	Ratio	Lower	Upper
43	100		
61	28.6	22.9	34.3
87	13.2	10.6	15.8

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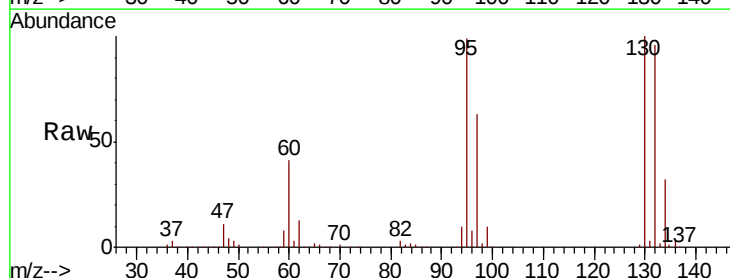


Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-1967) (-)
Ion 61.00 (60.70 to 61.70): VN052827.D (-1967) (-)
Ion 87.00 (86.70 to 87.70): VN052827.D (-1967) (-)

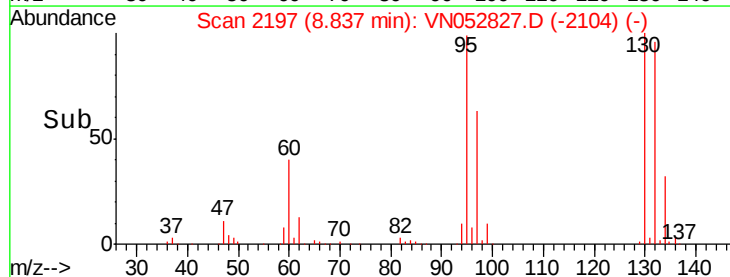
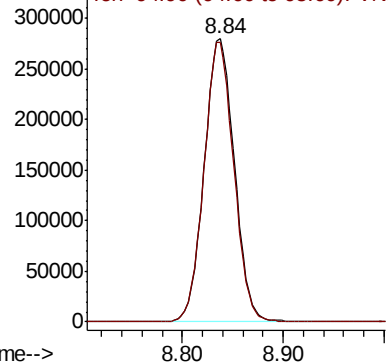


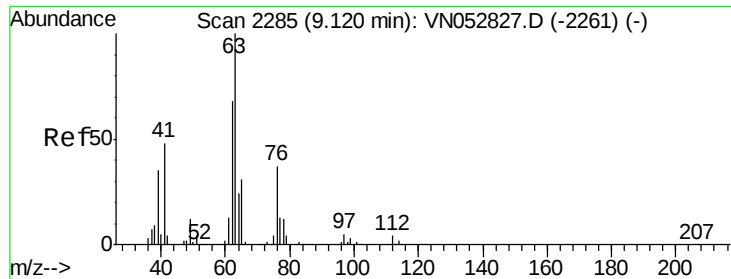
#44
Trichloroethene
Concen: 49.472 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	197.8



Abundance Ion 129.80 (129.50 to 130.50): VN052827.D (-2179) (-)
Ion 94.90 (94.60 to 95.60): VN052827.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 50.675 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052827.D

Acq: 12 Dec 2018 15:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 576942

Ion Ratio Lower Upper

63 100

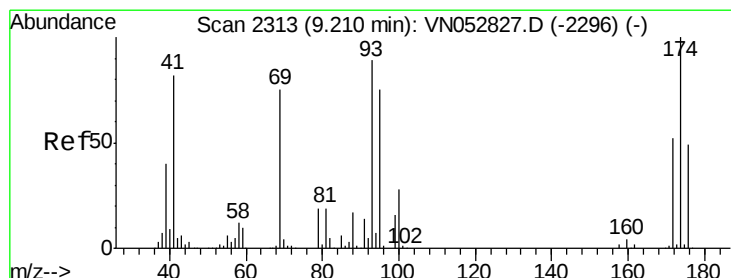
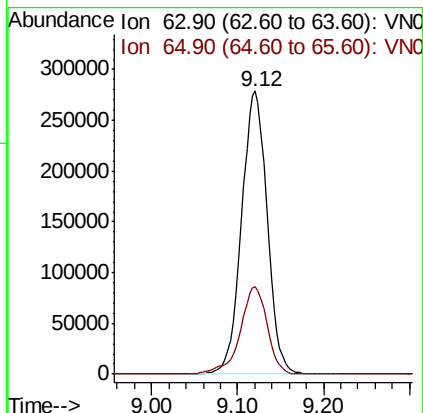
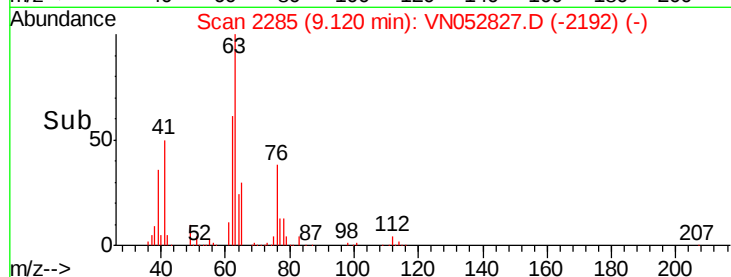
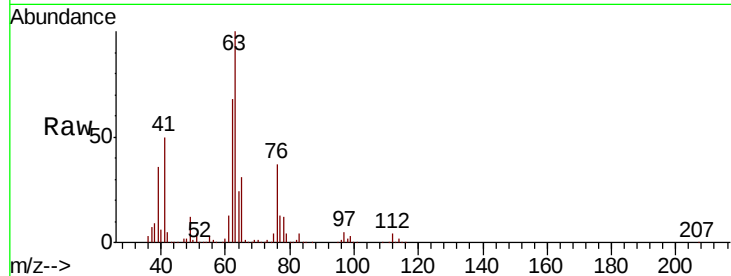
65 30.8 24.6 37.0

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#46

Dibromomethane

Concen: 49.899 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052827.D

Acq: 12 Dec 2018 15:12

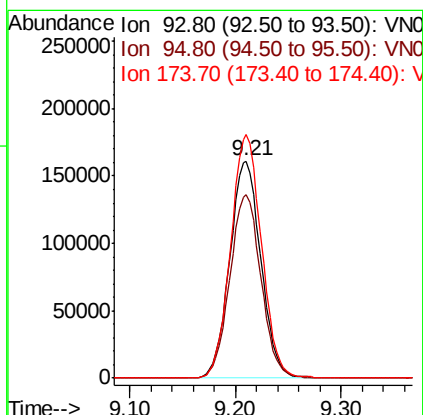
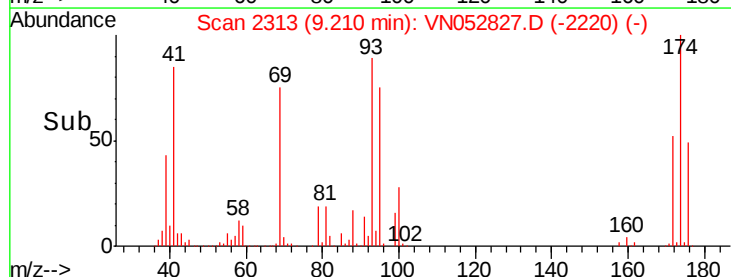
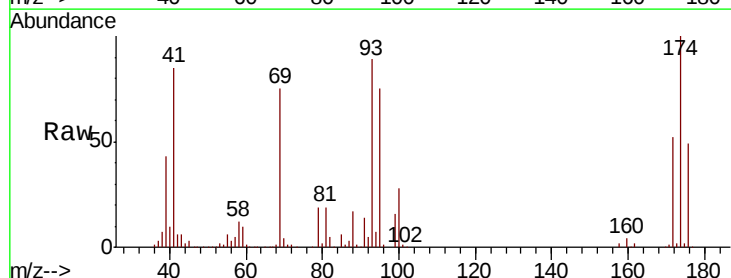
Tgt Ion: 93 Resp: 329471

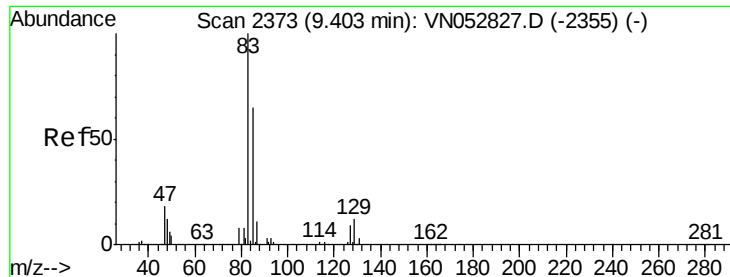
Ion Ratio Lower Upper

93 100

95 84.7 67.8 101.6

174 111.2 89.0 133.4





#47

Bromodichloromethane

Concen: 51.273 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052827.D

Acq: 12 Dec 2018 15:12

Instrument :

MSVOA_N

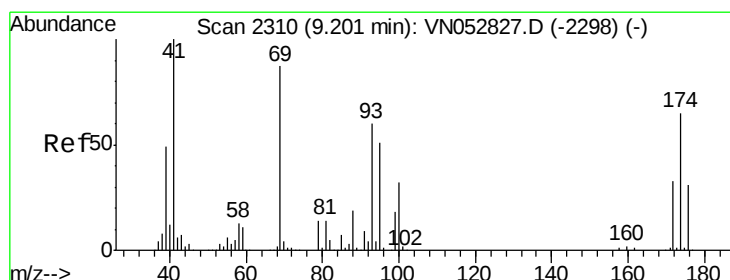
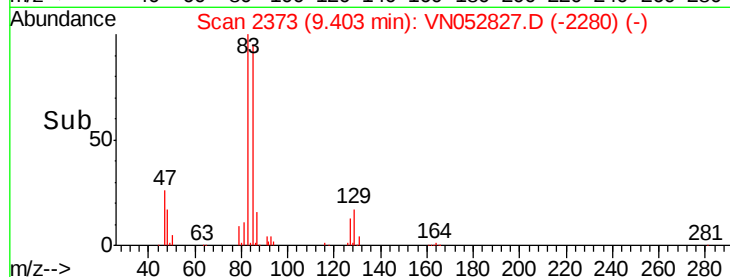
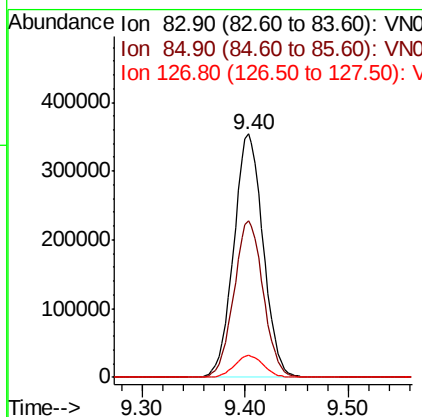
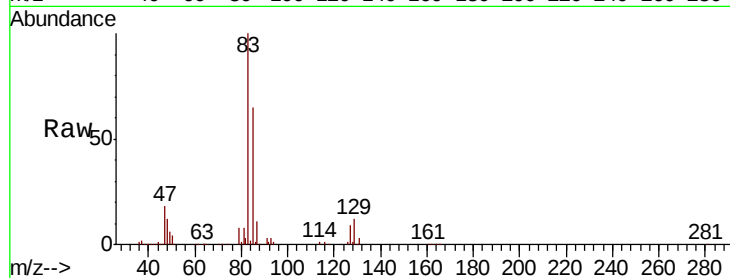
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	702026
Ion Ratio	Lower	Upper	
83	100		
85	64.5	51.6	77.4
127	8.9	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.088 ug/l

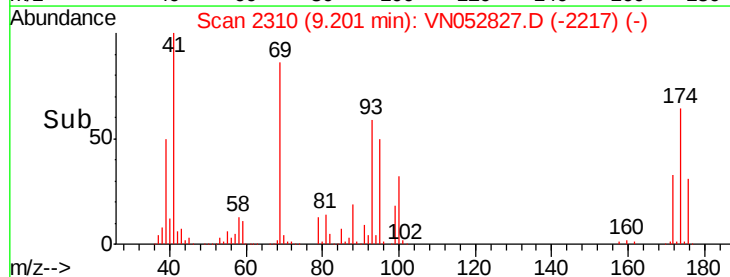
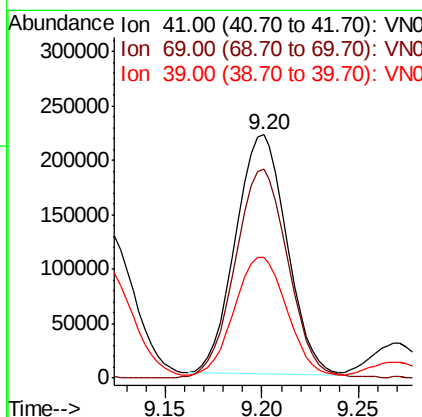
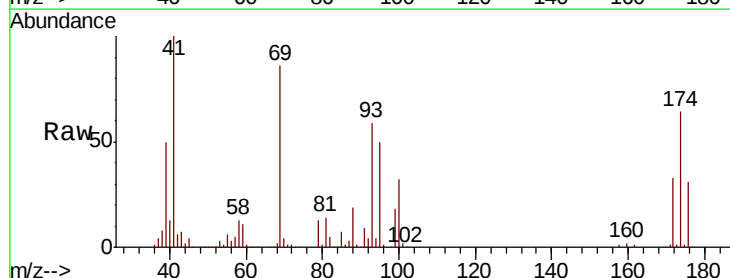
RT: 9.20 min Scan# 2310

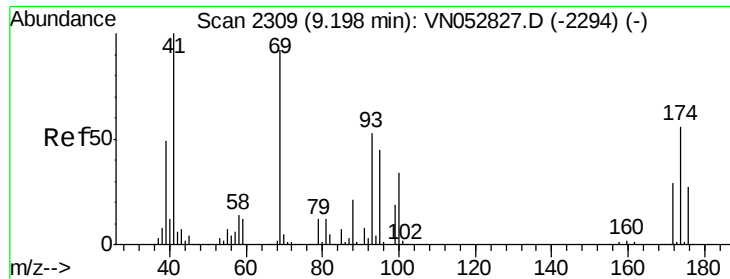
Delta R.T. 0.00 min

Lab File: VN052827.D

Acq: 12 Dec 2018 15:12

Tgt Ion:	41	Resp:	407463
Ion Ratio	Lower	Upper	
41	100		
69	90.2	72.2	108.2
39	52.4	41.9	62.9





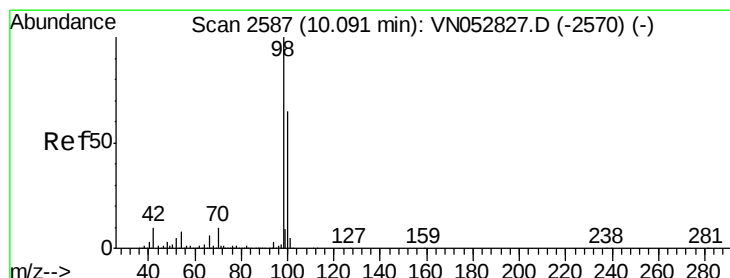
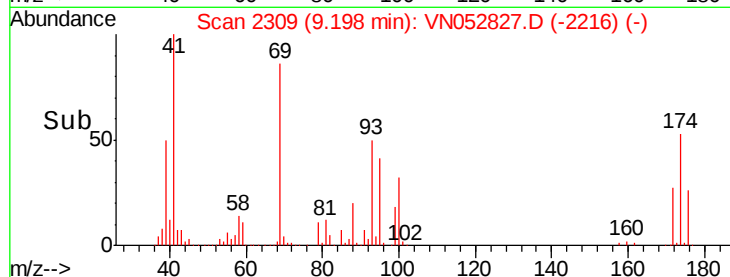
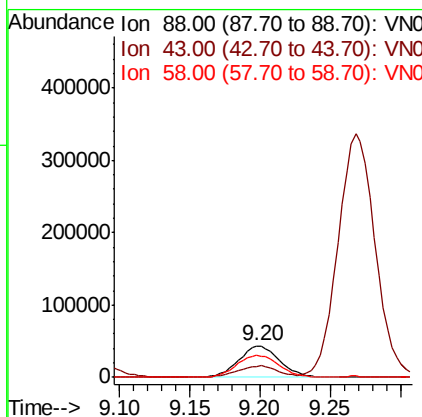
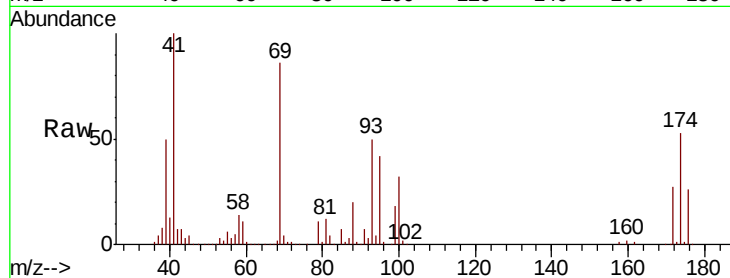
#49
1,4-Dioxane
Concen: 994.821 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 88 Resp: 88333
Ion Ratio Lower Upper
88 100
43 33.3 26.6 40.0
58 73.0 58.4 87.6

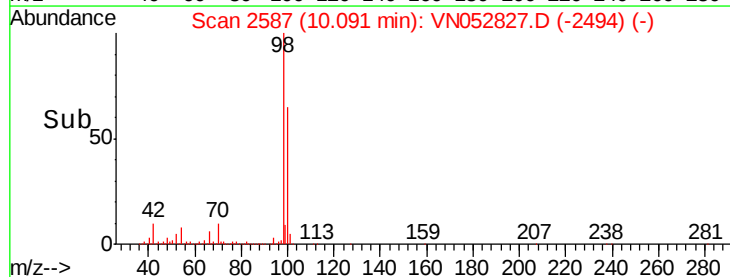
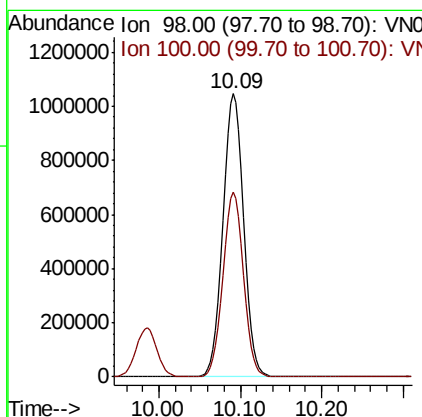
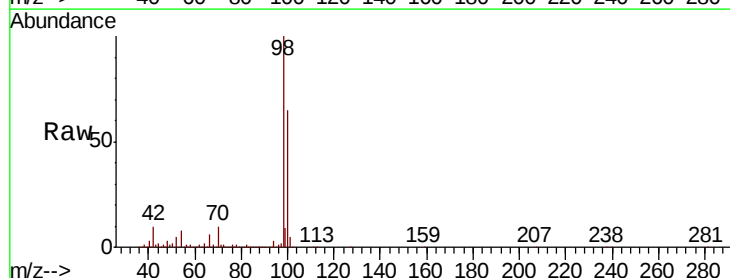
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#50
Toluene-d8
Concen: 994.821 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Tgt Ion: 98 Resp: 1888708
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4





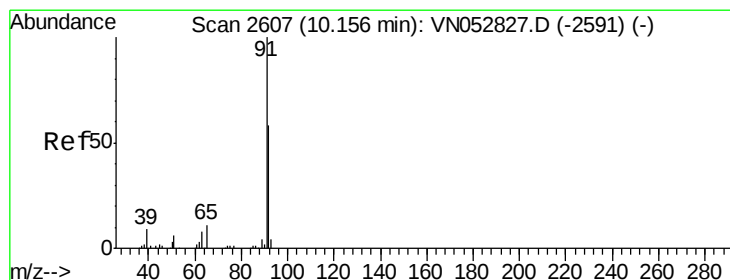
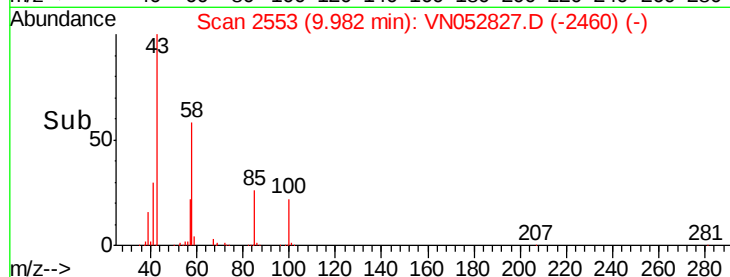
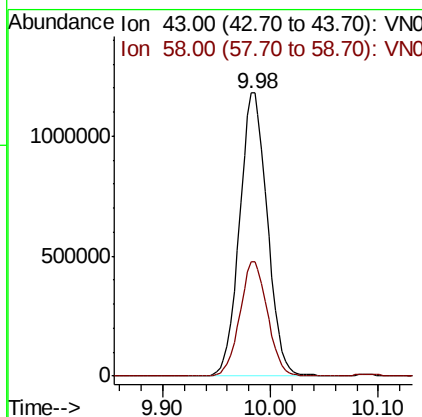
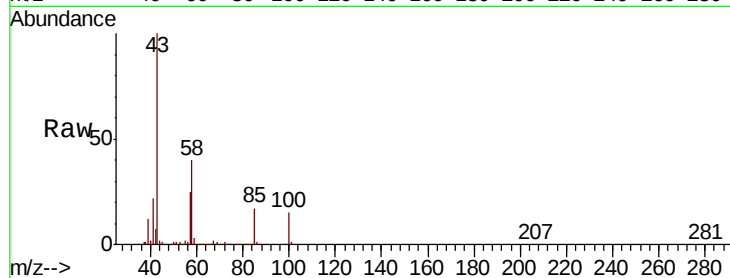
#51
4-Methyl-2-Pentanone
Concen: 258.542 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 2114689
Ion Ratio Lower Upper
43 100
58 40.3 32.2 48.4

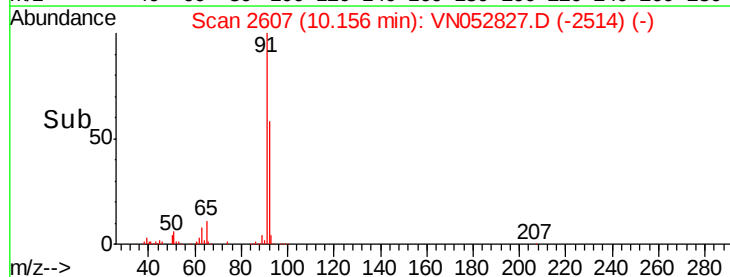
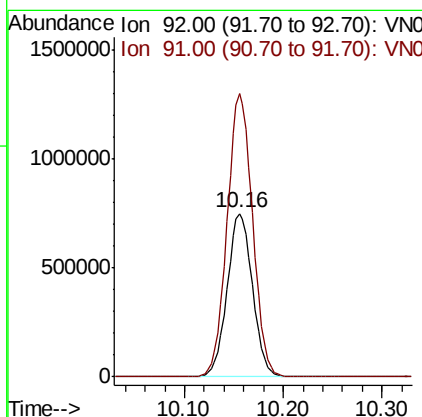
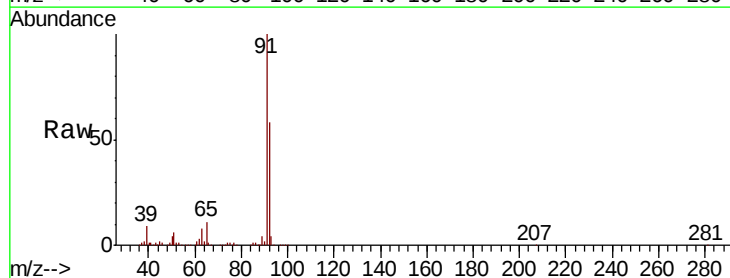
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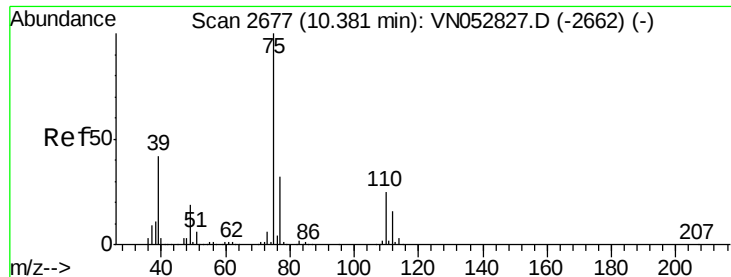
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#52
Toluene
Concen: 50.889 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Tgt Ion: 92 Resp: 1339719
Ion Ratio Lower Upper
92 100
91 174.7 139.8 209.6





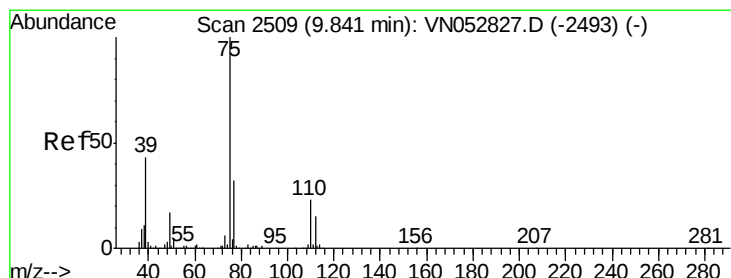
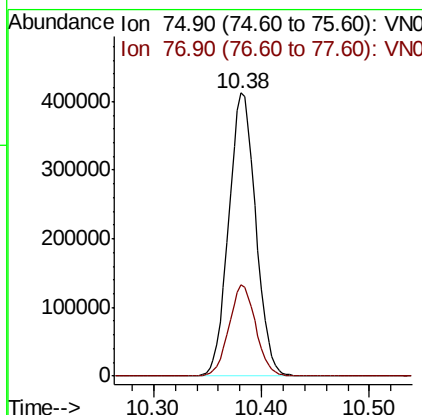
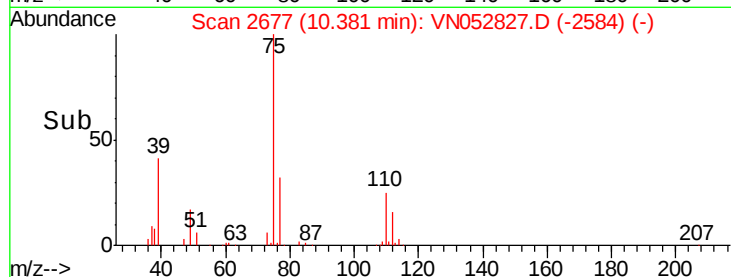
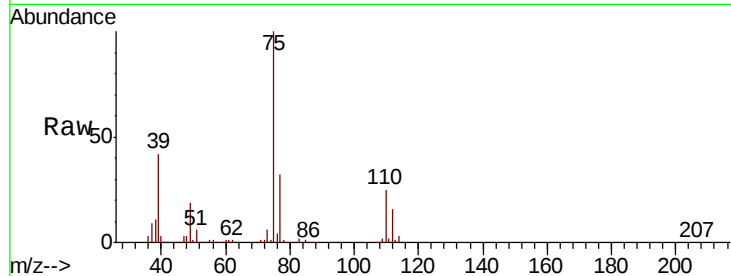
#53
t-1,3-Dichloropropene
Concen: 52.399 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 721951
Ion Ratio Lower Upper
75 100
77 32.0 25.6 38.4

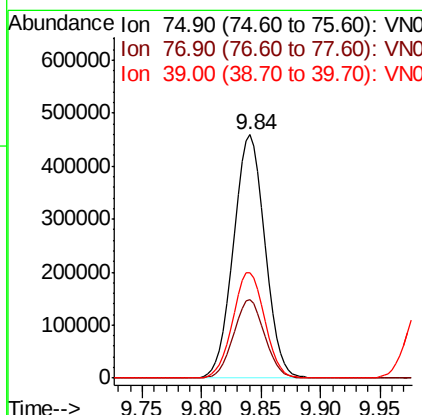
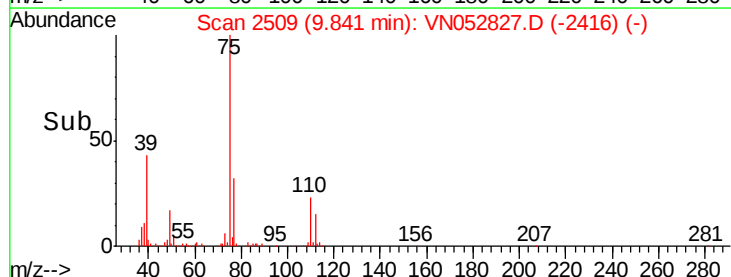
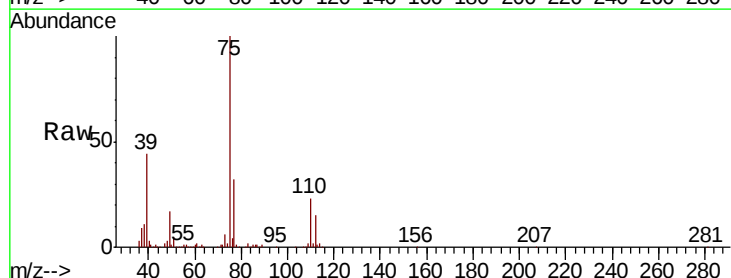
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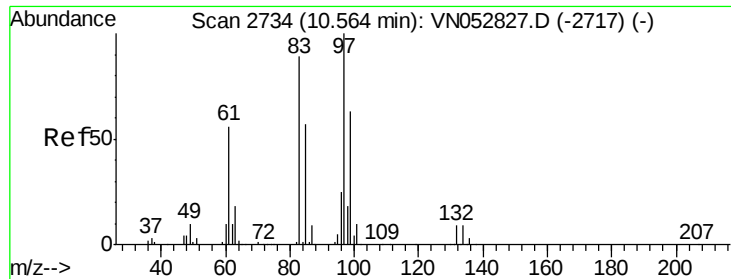
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#54
cis-1,3-Dichloropropene
Concen: 51.423 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Tgt Ion: 75 Resp: 844281
Ion Ratio Lower Upper
75 100
77 32.3 25.8 38.8
39 43.5 34.8 52.2





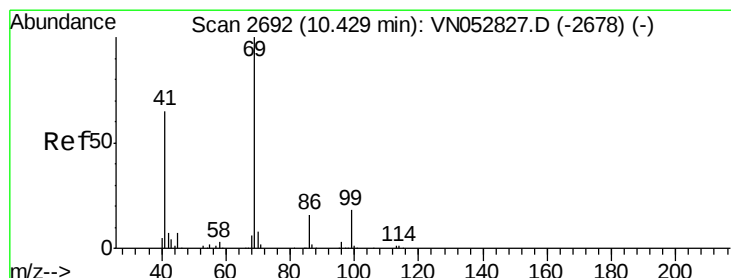
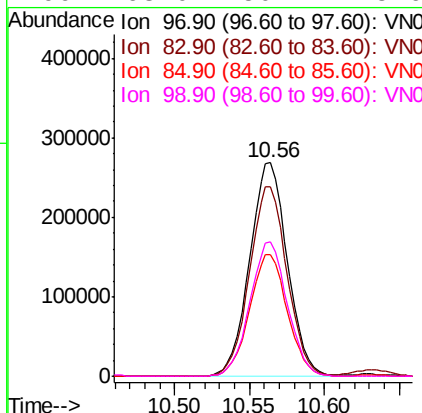
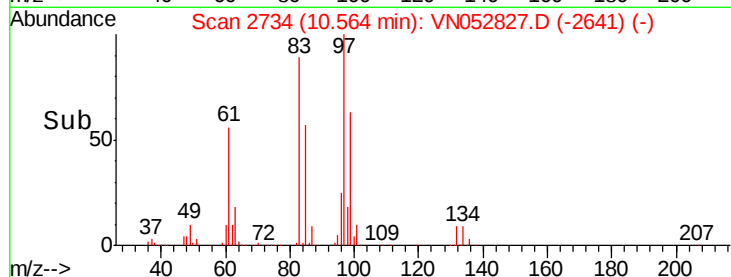
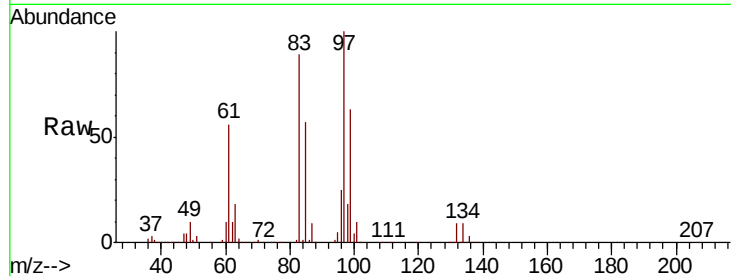
#55
 1,1,2-Trichloroethane
 Concen: 50.156 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052827.D
 Acq: 12 Dec 2018 15:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	471355
Ion	Ratio	Lower	Upper
97	100		
83	88.6	70.9	106.3
85	56.8	45.4	68.2
99	63.0	50.4	75.6

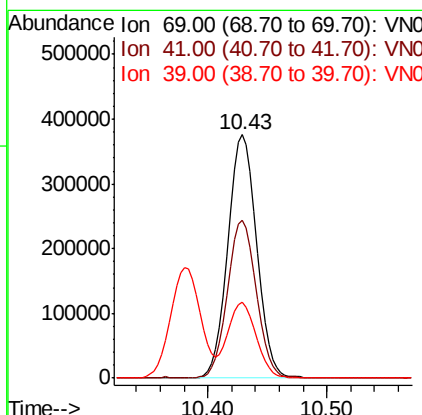
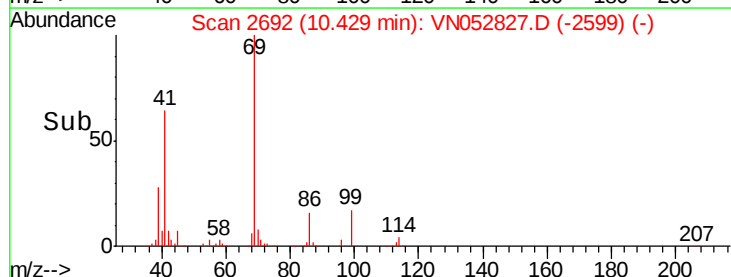
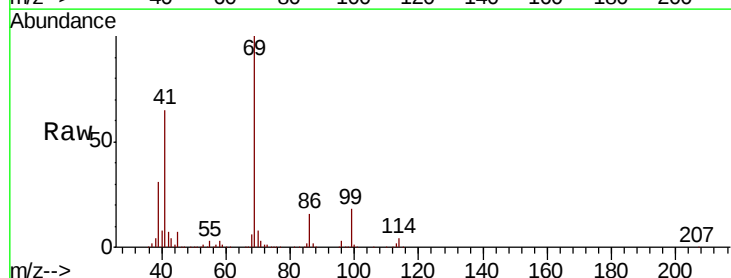
Manual Integrations
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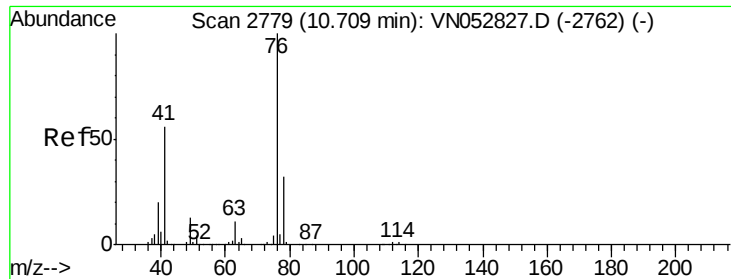
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#56
 Ethyl methacrylate
 Concen: 52.384 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052827.D
 Acq: 12 Dec 2018 15:12

Tgt Ion:	69	Resp:	631778
Ion	Ratio	Lower	Upper
69	100		
41	64.6	51.7	77.5
39	30.8	24.6	37.0





#57

1,3-Dichloropropane

Concen: 50.600 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052827.D

Acq: 12 Dec 2018 15:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 815446

Ion Ratio Lower Upper

76 100

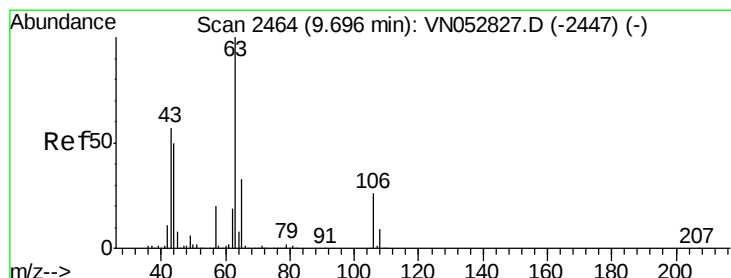
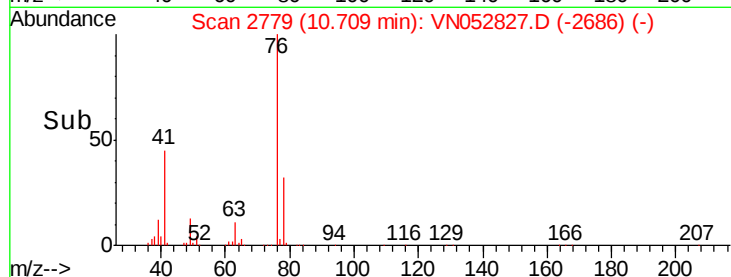
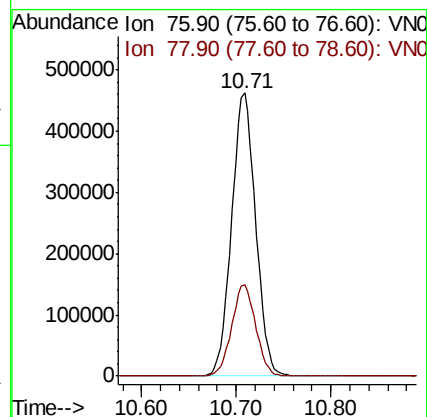
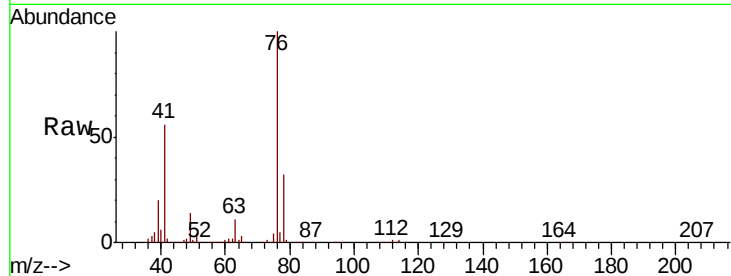
78 32.3 25.8 38.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 261.967 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052827.D

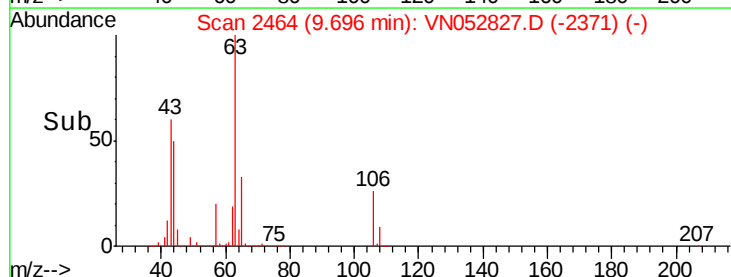
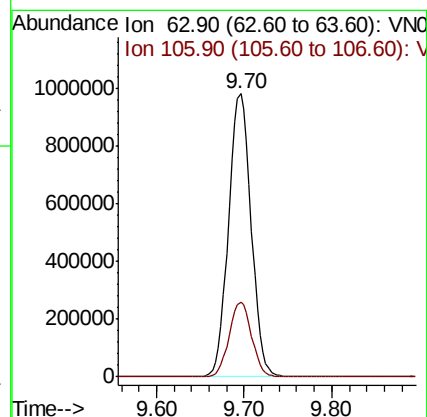
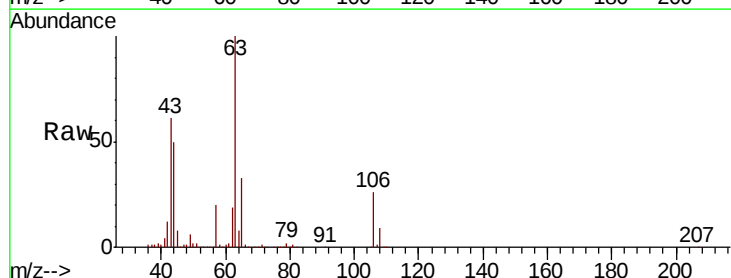
Acq: 12 Dec 2018 15:12

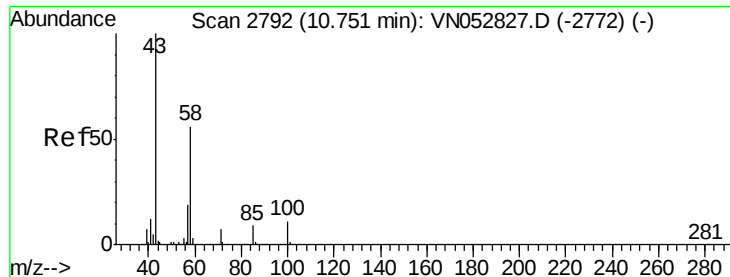
Tgt Ion: 63 Resp: 1762909

Ion Ratio Lower Upper

63 100

106 26.3 21.0 31.6





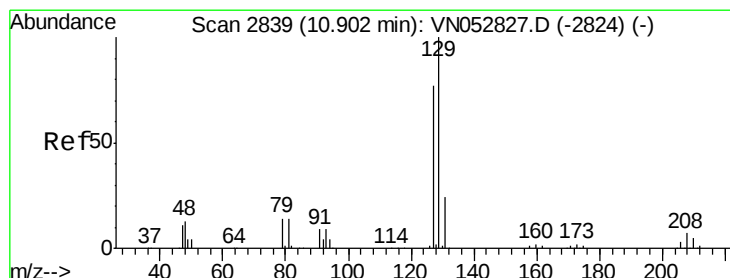
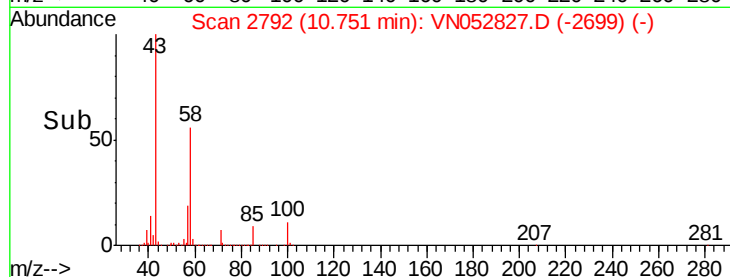
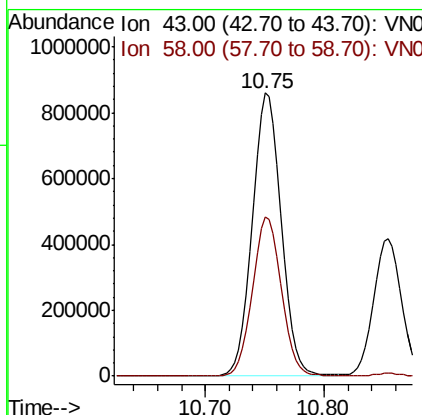
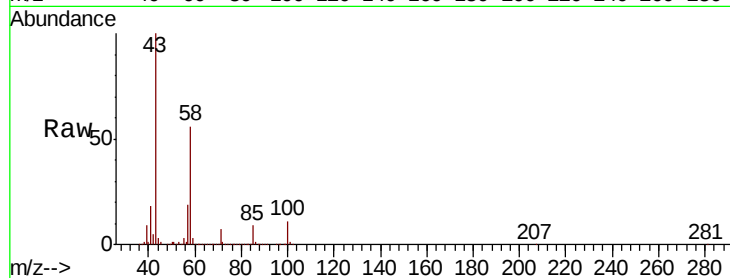
#59
2-Hexanone
Concen: 258.076 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1446629
Ion Ratio Lower Upper
43 100
58 56.2 28.1 84.3

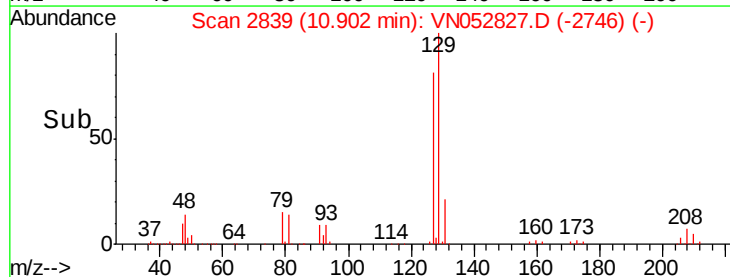
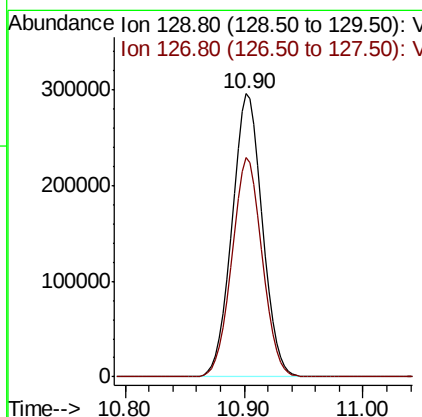
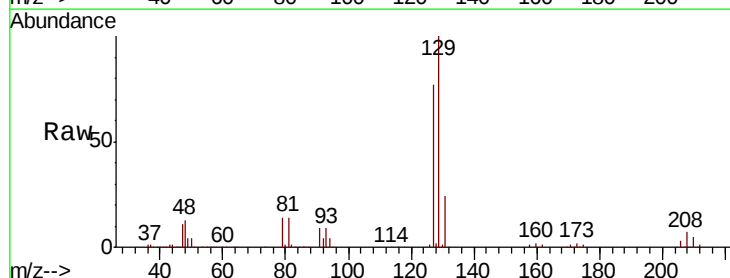
Manual Integrations
APPROVED

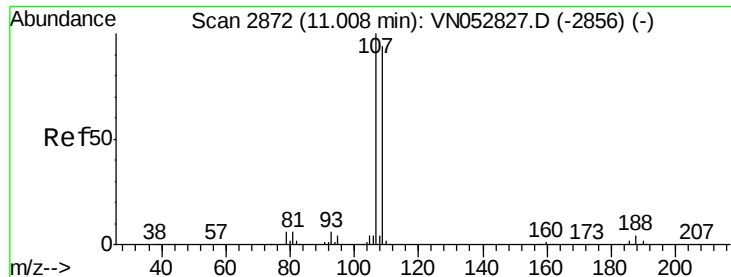
MMDadoda
12/13/2018 1:36:11 PM



#60
Dibromochloromethane
Concen: 51.416 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Tgt Ion: 129 Resp: 522212
Ion Ratio Lower Upper
129 100
127 77.3 38.6 116.0





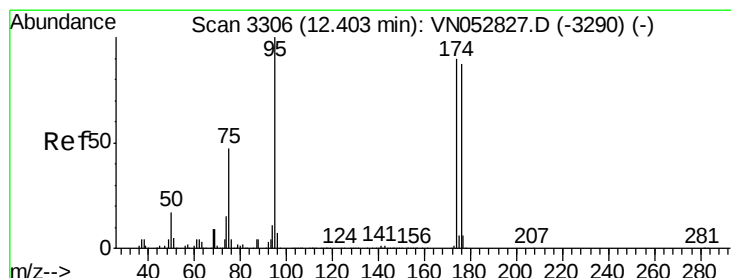
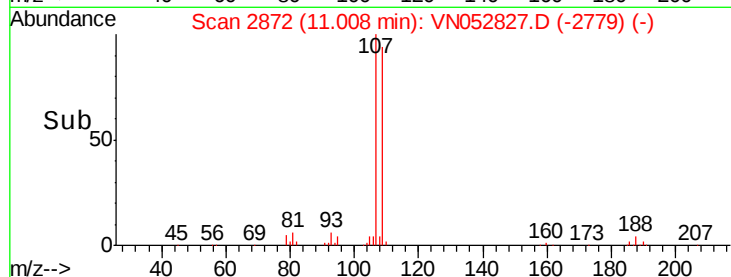
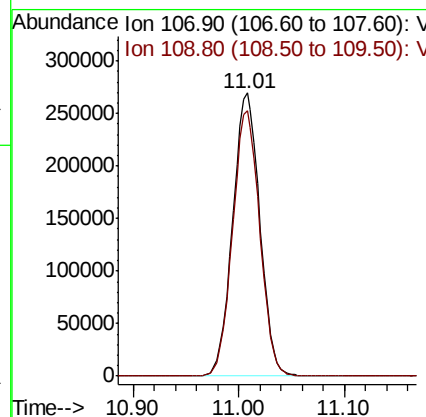
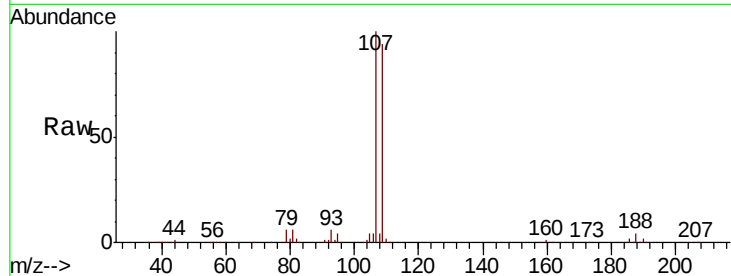
#61
 1,2-Dibromoethane
 Concen: 51.405 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052827.D
 Acq: 12 Dec 2018 15:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 107 Resp: 477516
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.4 113.0

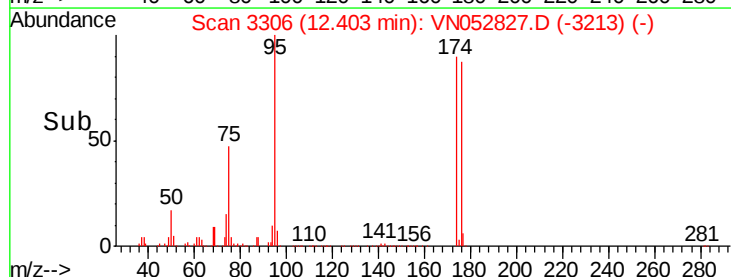
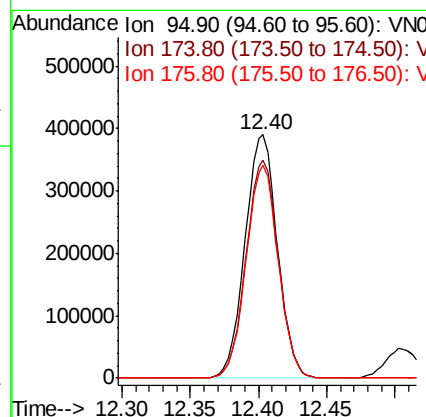
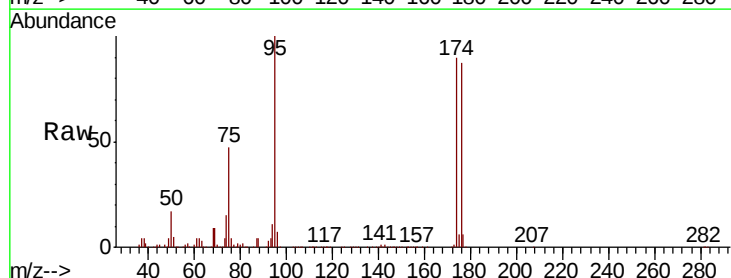
Manual Integrations
 APPROVED

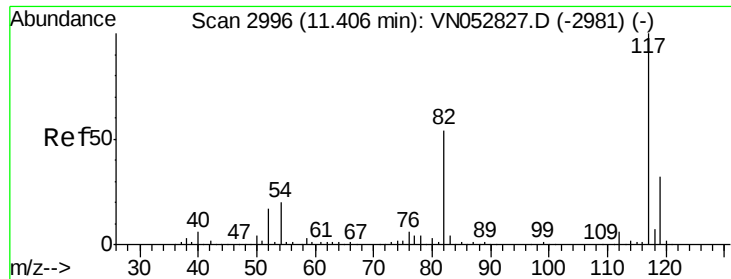
MMDadoda
 12/13/2018 1:36:11 PM



#62
 4-Bromofluorobenzene
 Concen: 51.405 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN052827.D
 Acq: 12 Dec 2018 15:12

Tgt Ion: 95 Resp: 641510
 Ion Ratio Lower Upper
 95 100
 174 89.4 0.0 178.8
 176 86.9 0.0 173.8





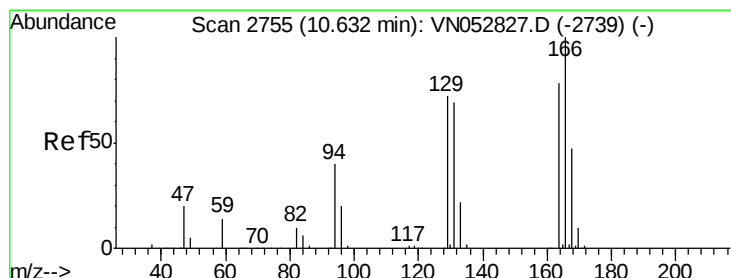
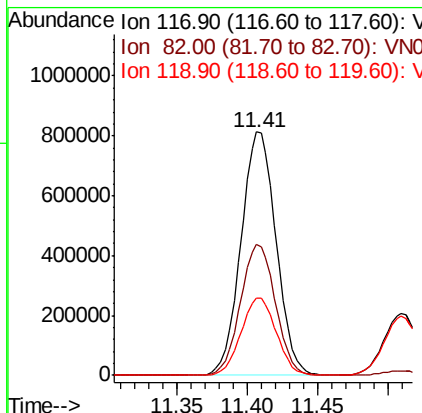
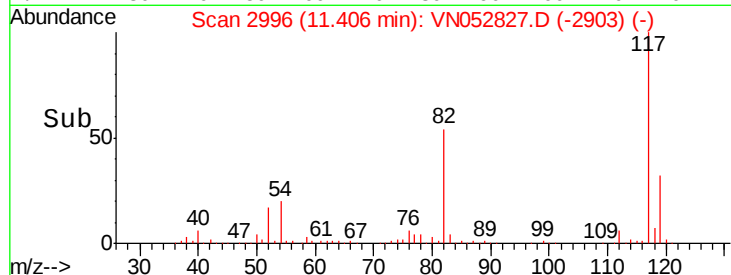
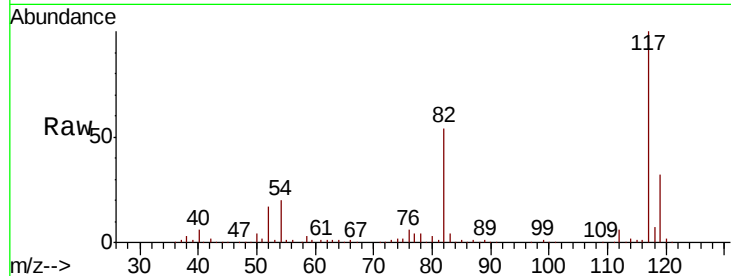
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:117 Resp: 1418350
Ion Ratio Lower Upper
117 100
82 53.5 42.8 64.2
119 31.9 25.5 38.3

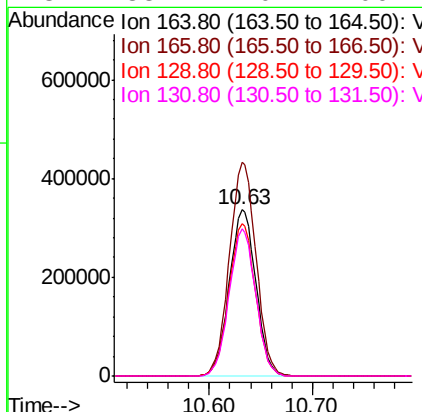
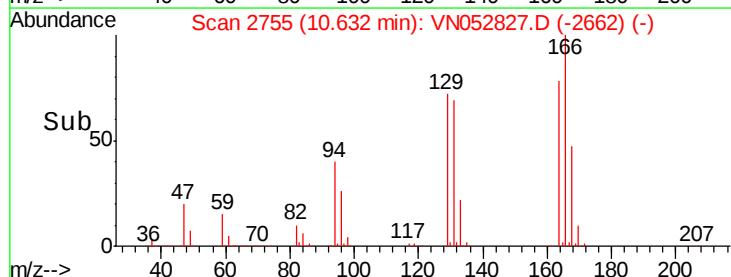
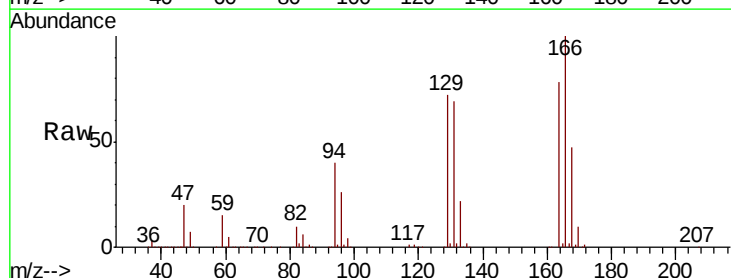
Manual Integrations
APPROVED

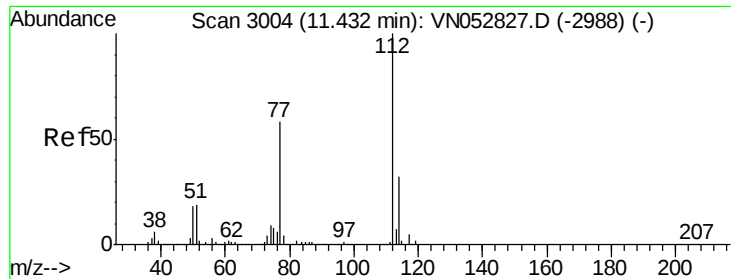
MMDadoda
12/13/2018 1:36:11 PM



#64
Tetrachloroethene
Concen: 49.729 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Tgt Ion:164 Resp: 606210
Ion Ratio Lower Upper
164 100
166 128.6 102.9 154.3
129 92.1 73.7 110.5
131 88.4 70.7 106.1





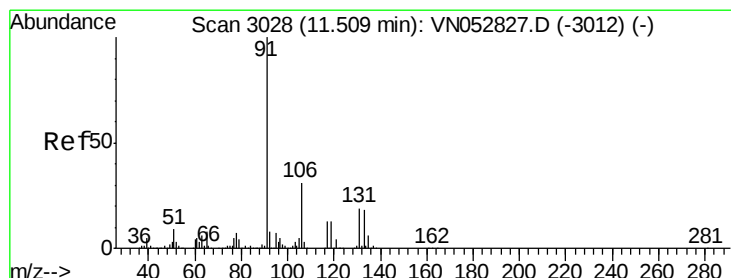
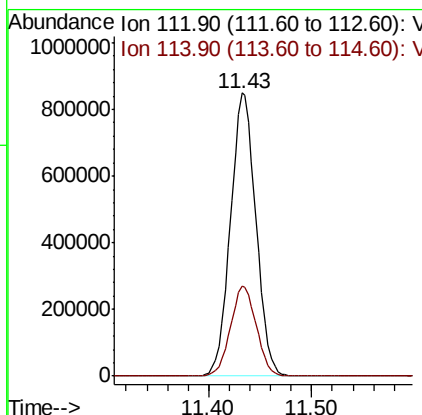
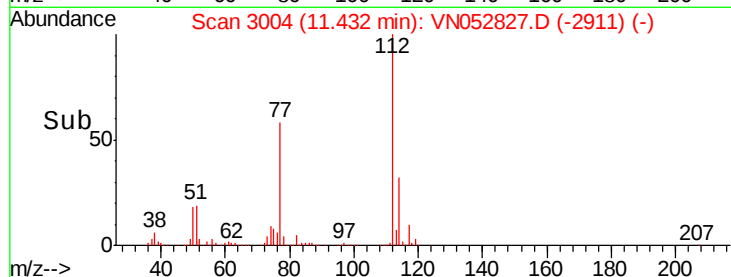
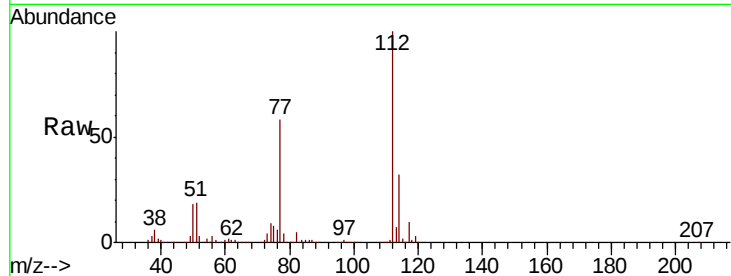
#65
Chlorobenzene
Concen: 49.477 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 1455907
Ion Ratio Lower Upper
112 100
114 31.9 25.5 38.3

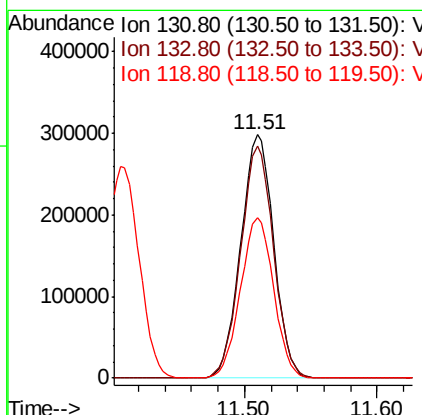
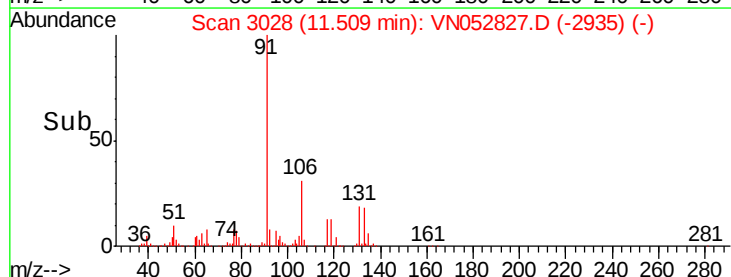
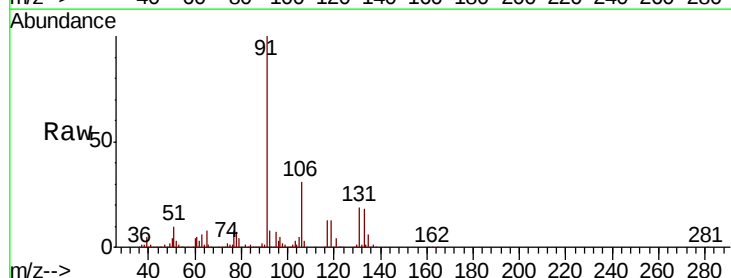
Manual Integrations
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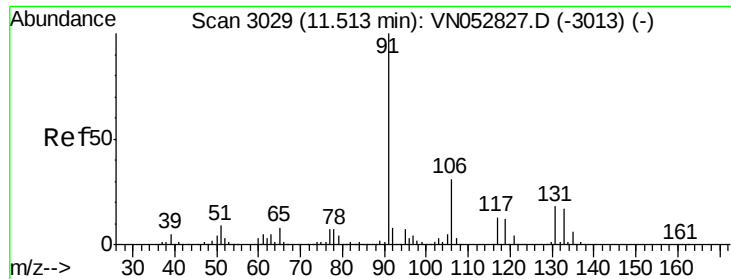
MMDadoda
12/13/2018 1:36:11 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.195 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Tgt Ion:131 Resp: 513688
Ion Ratio Lower Upper
131 100
133 95.3 47.6 142.9
119 66.5 33.3 99.8





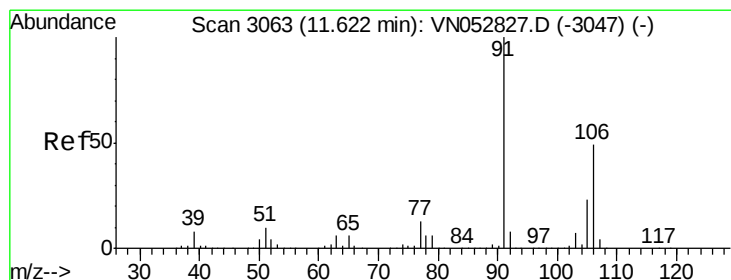
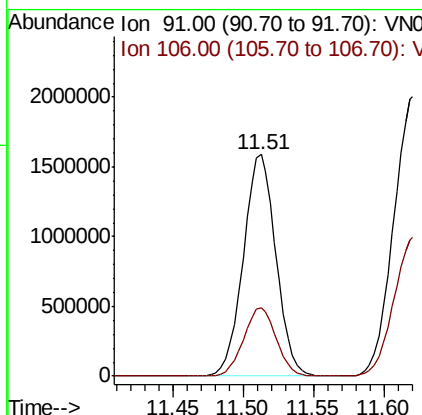
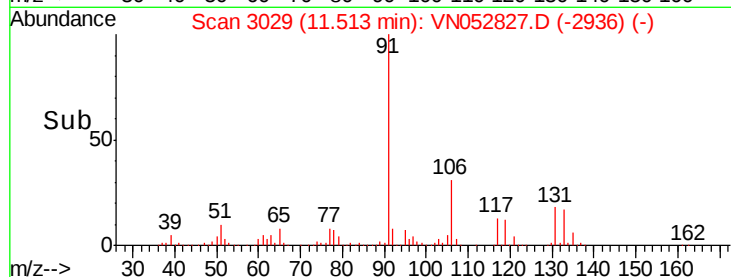
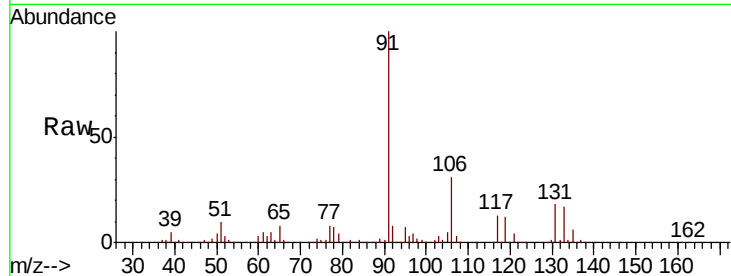
#67
Ethyl Benzene
Concen: 50.783 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 2566204
Ion Ratio Lower Upper
91 100
106 31.1 24.9 37.3

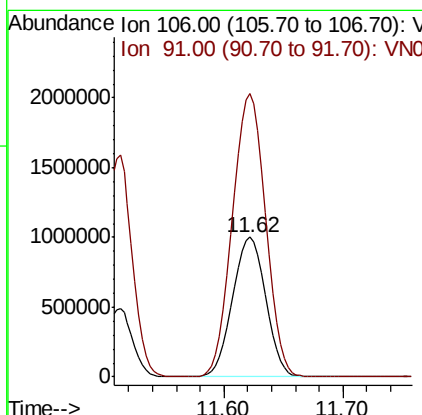
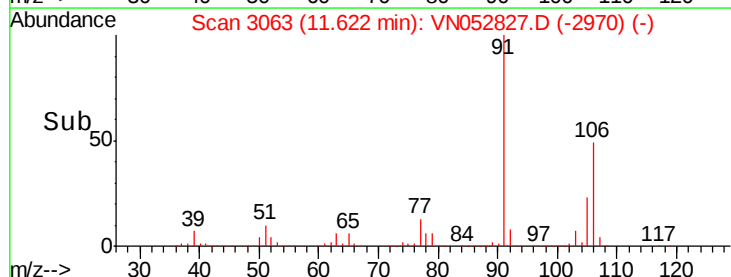
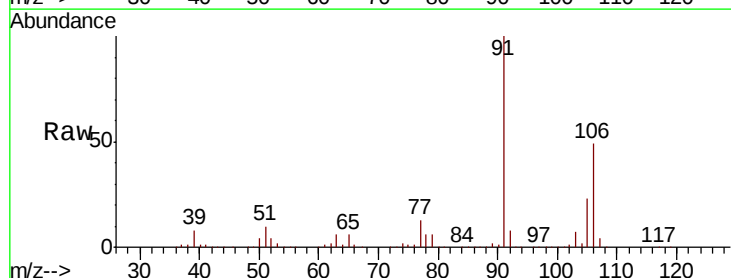
Manual Integrations
APPROVED

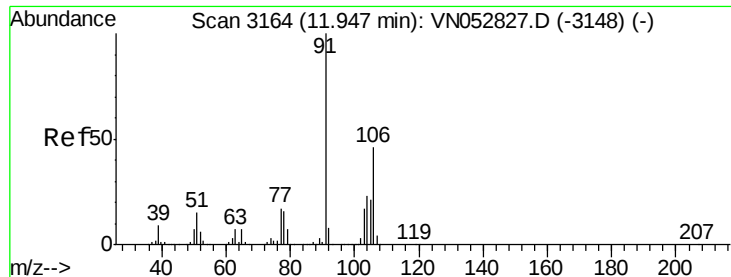
MMDadoda
12/13/2018 1:36:11 PM



#68
m/p-Xylenes
Concen: 102.056 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Tgt Ion: 106 Resp: 1936470
Ion Ratio Lower Upper
106 100
91 202.8 162.2 243.4





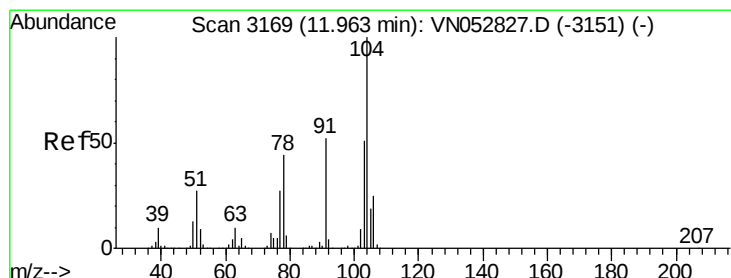
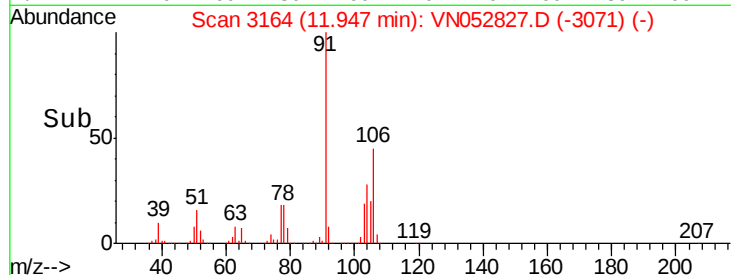
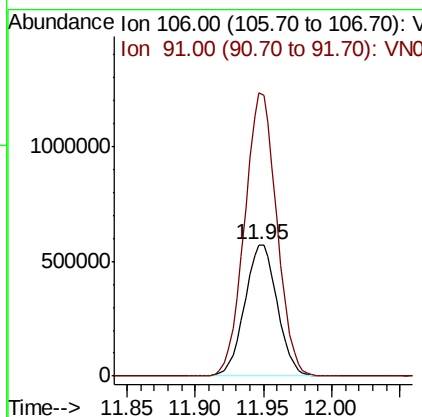
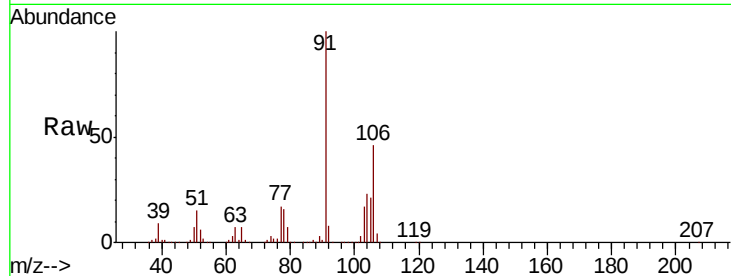
#69
o-Xylene
Concen: 51.030 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		945495		
91	213.2	106.6	319.8		

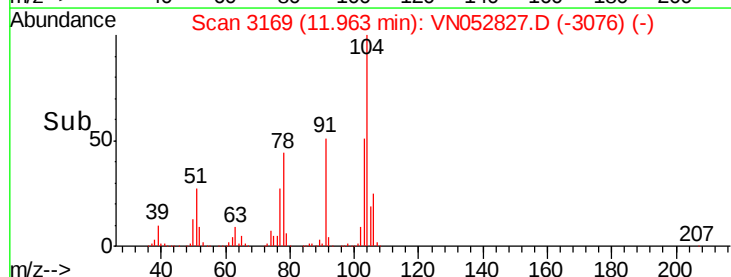
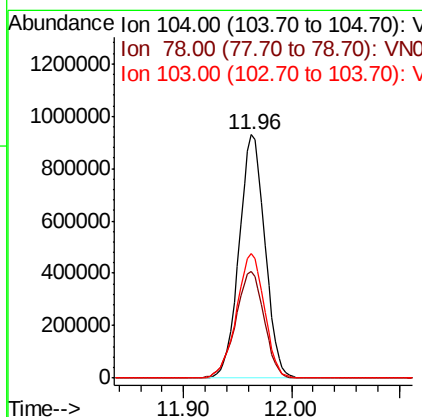
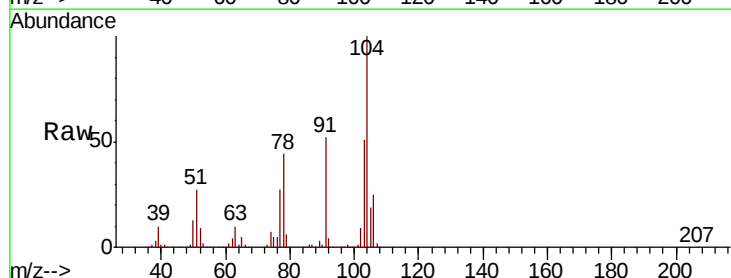
Manual Integrations
APPROVED

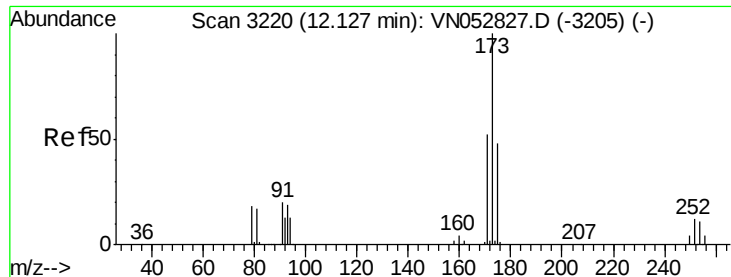
MMDadoda
12/13/2018 1:36:11 PM



#70
Styrene
Concen: 52.023 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		1549490		
78	48.6	38.9	58.3		
103	55.4	44.3	66.5		





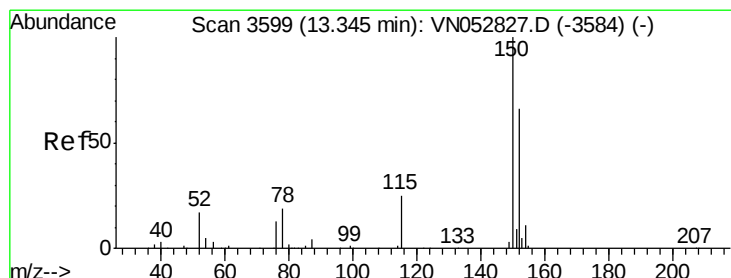
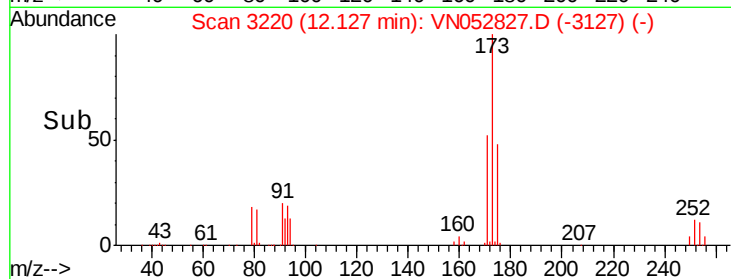
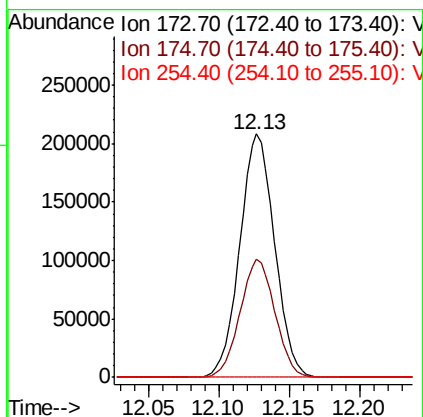
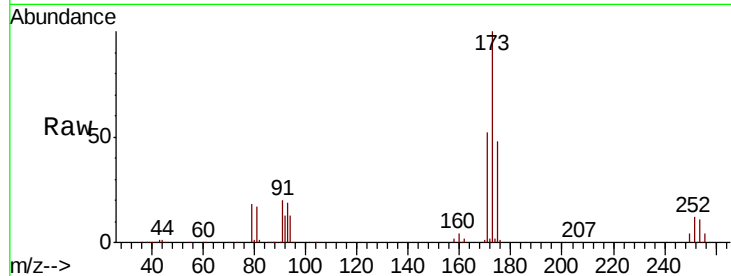
#71
Bromoform
Concen: 51.707 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.3	72.9
254	0.1	0.1	0.1#

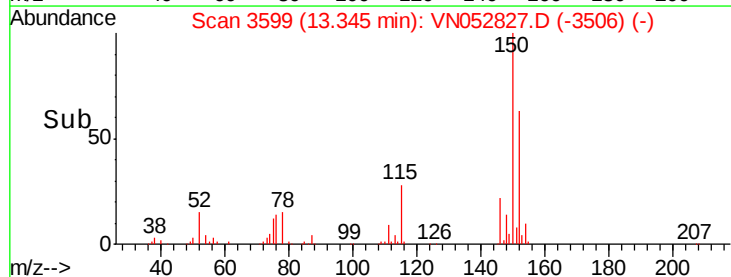
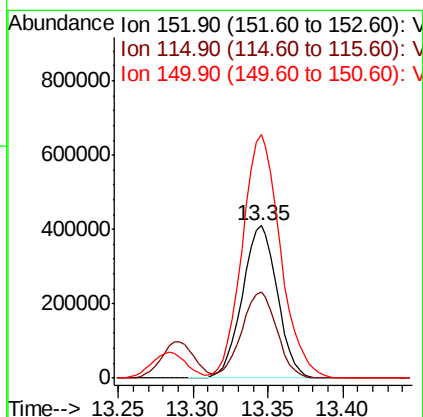
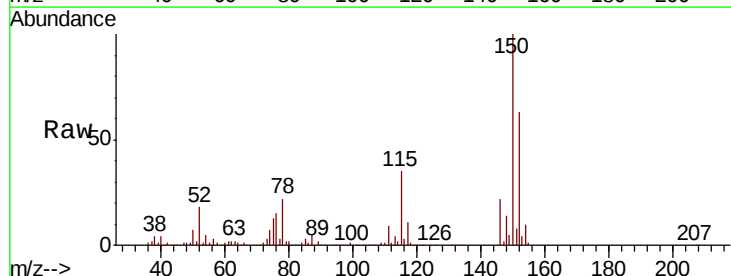
Manual Integrations
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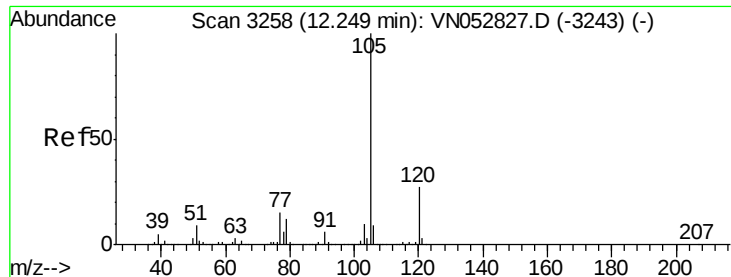
MMDadoda
12/13/2018 1:36:11 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	28.3	85.0
150	173.9	0.0	347.8





#73

Isopropylbenzene

Concen: 50.181 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052827.D

Acq: 12 Dec 2018 15:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 2502117

Ion Ratio Lower Upper

105 100

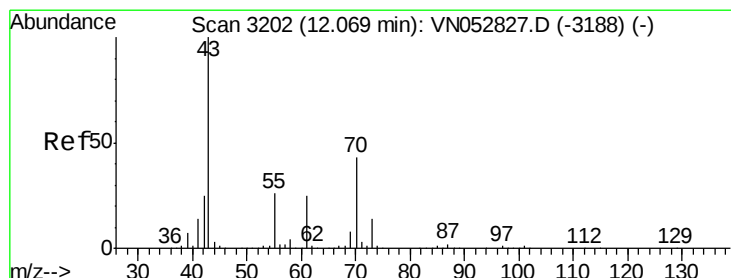
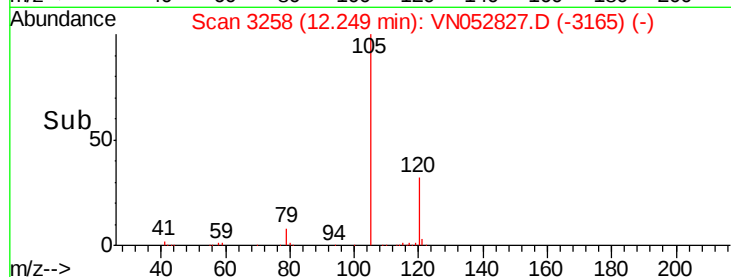
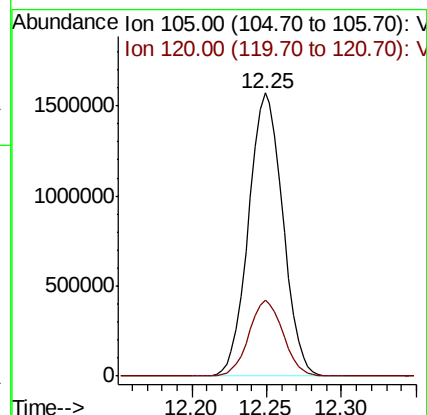
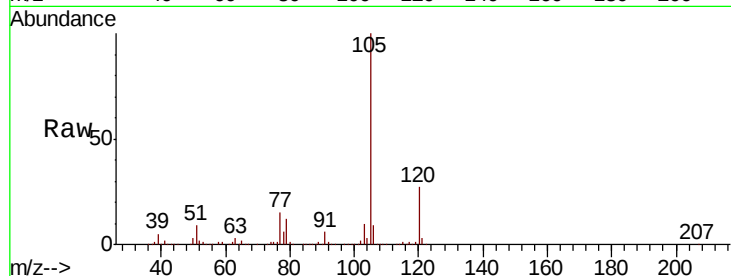
120 26.6 13.3 39.9

Manual Integrations

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MMDadoda

12/13/2018 1:36:11 PM



#74

N-ethyl acetate

Concen: 51.642 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052827.D

Acq: 12 Dec 2018 15:12

Tgt Ion: 43 Resp: 706933

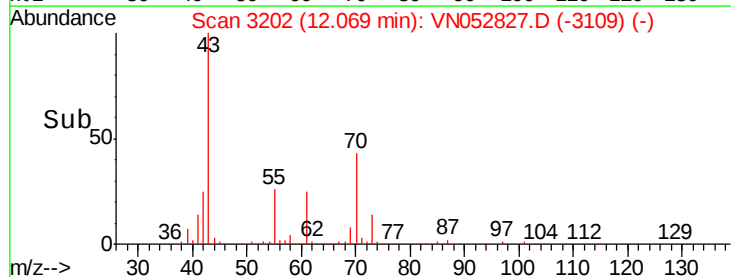
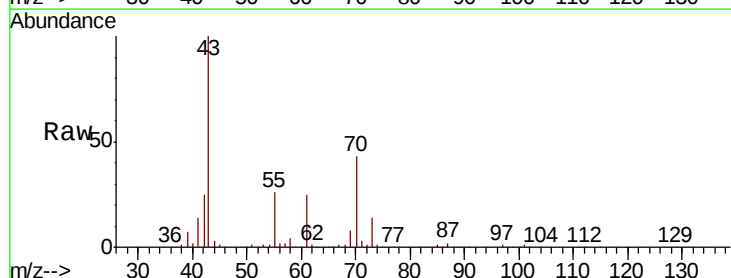
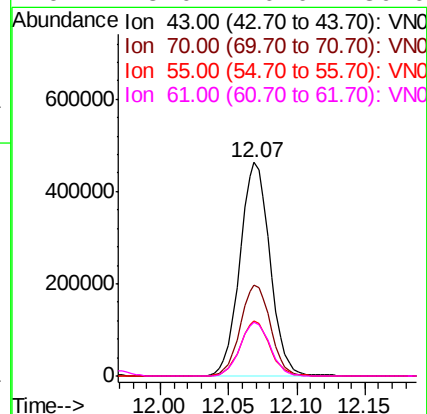
Ion Ratio Lower Upper

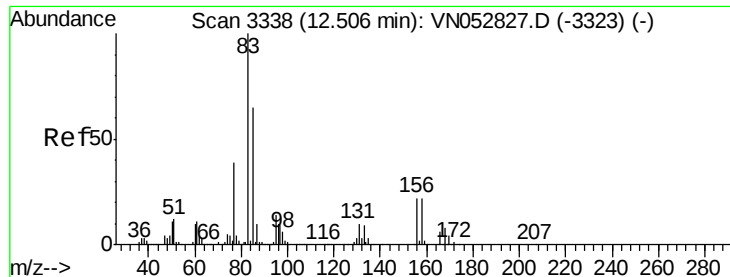
43 100

70 42.8 34.2 51.4

55 25.4 20.3 30.5

61 25.0 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.807 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN052827.D

Acq: 12 Dec 2018 15:12

Instrument :

MSVOA_N

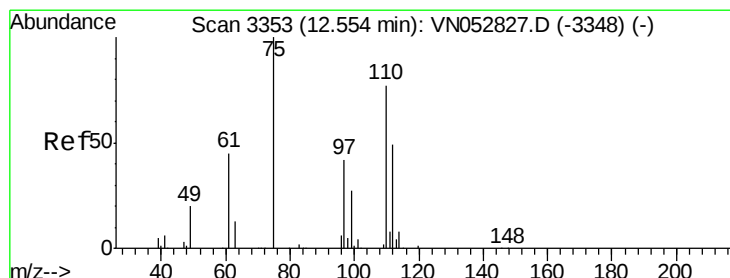
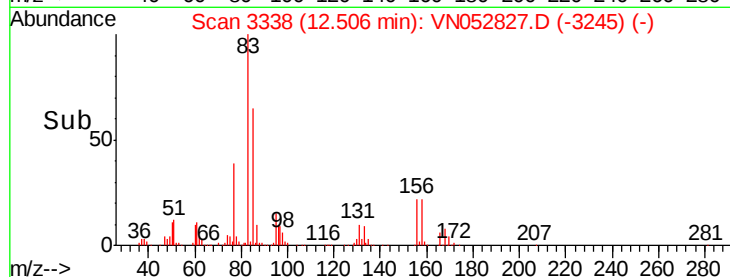
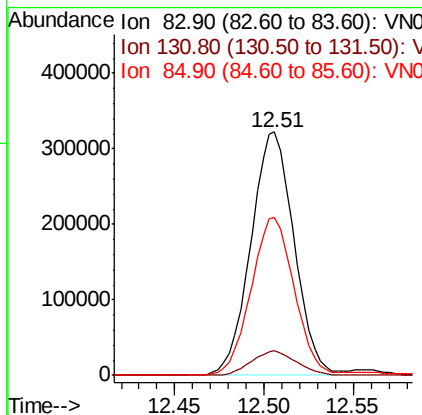
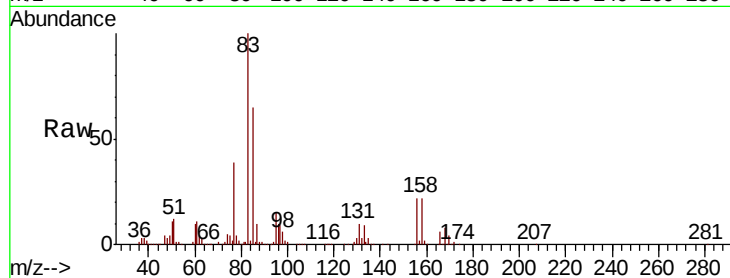
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	545414
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.2	15.6
85	64.7	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 43.565 ug/l m

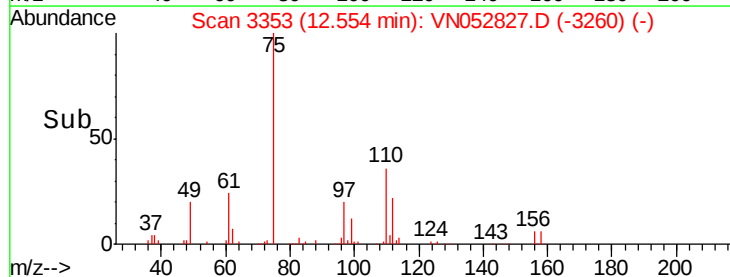
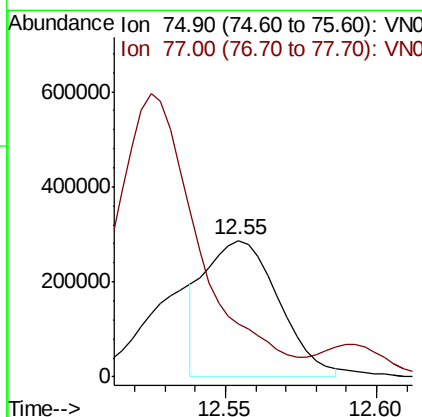
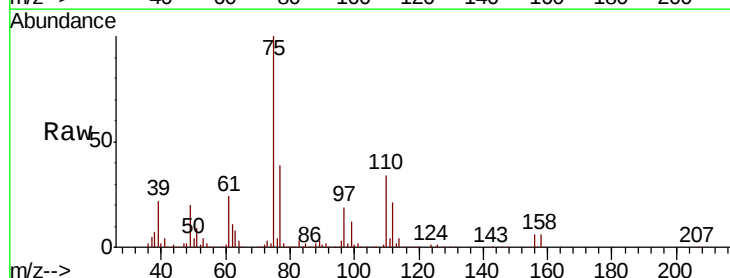
RT: 12.55 min Scan# 3353

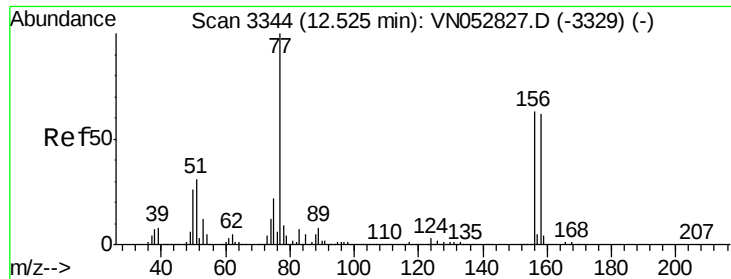
Delta R.T. 0.00 min

Lab File: VN052827.D

Acq: 12 Dec 2018 15:12

Tgt Ion:	75	Resp:	485241
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.636 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052827.D

Acq: 12 Dec 2018 15:12

Instrument :

MSVOA_N

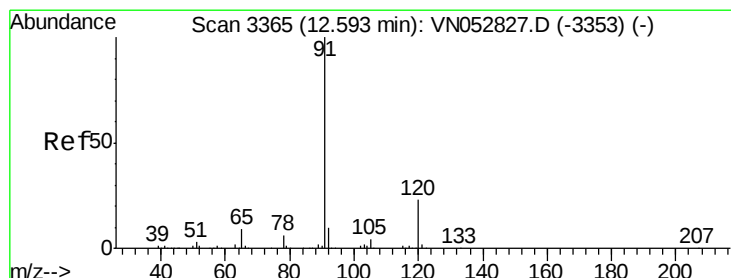
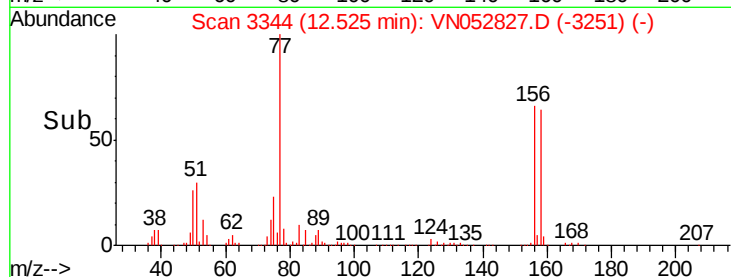
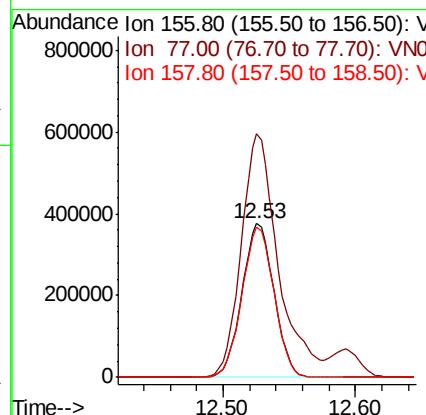
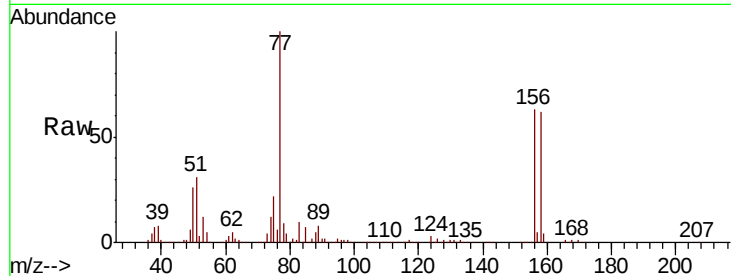
ClientSampleId :

VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		629490		
77	182.5	91.3	273.8		
158	98.1	49.0	147.2		

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#78

n-propylbenzene

Concen: 50.793 ug/l

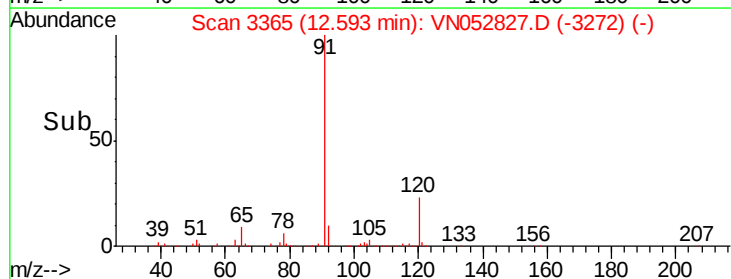
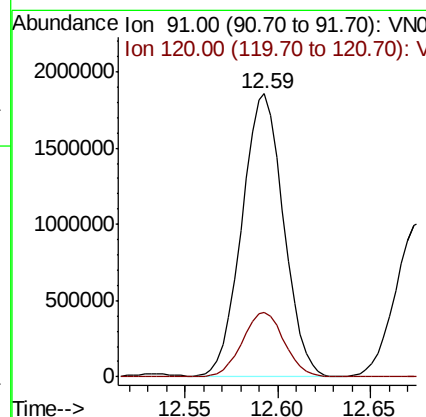
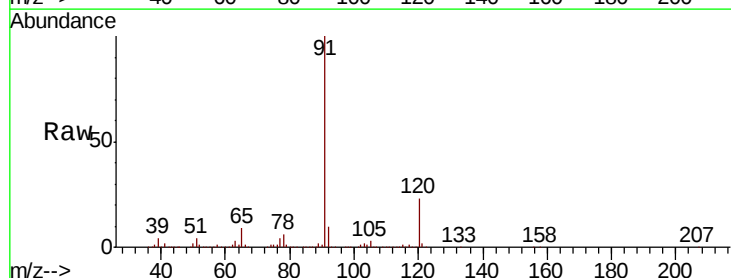
RT: 12.59 min Scan# 3365

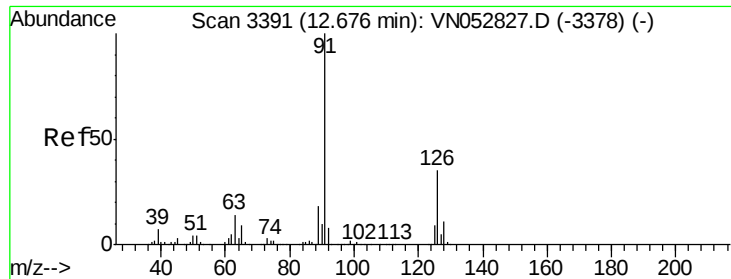
Delta R.T. 0.00 min

Lab File: VN052827.D

Acq: 12 Dec 2018 15:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		2888471		
120	23.0	11.5	34.5		





#79

2-Chlorotoluene

Concen: 49.866 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052827.D

Acq: 12 Dec 2018 15:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 1676437

Ion Ratio Lower Upper

91 100

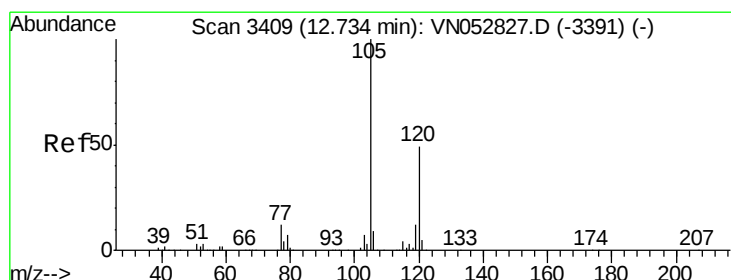
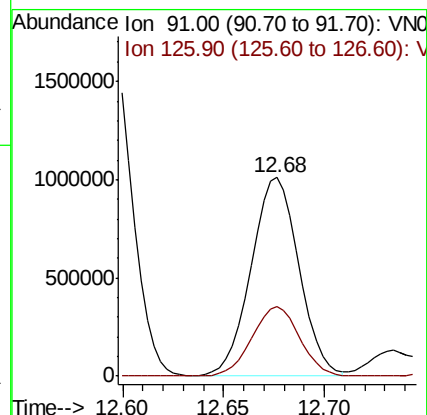
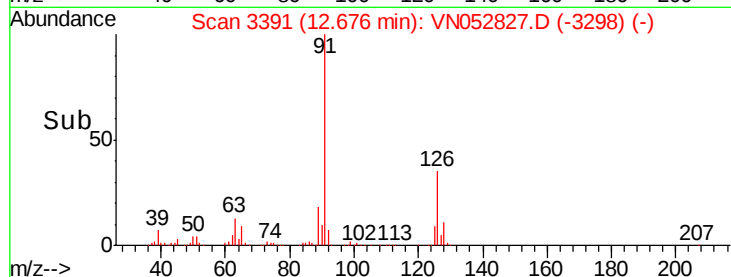
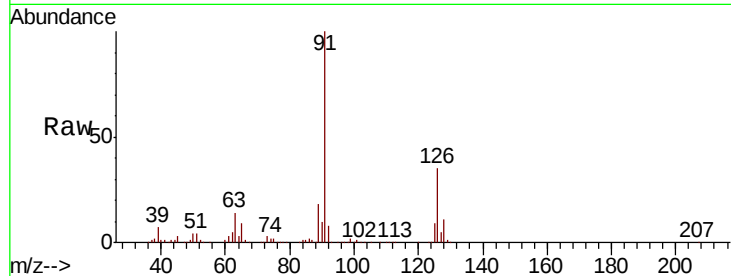
126 34.9 17.4 52.3

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#80

1,3,5-Trimethylbenzene

Concen: 50.720 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052827.D

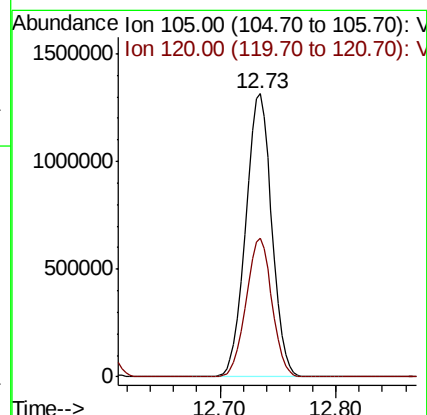
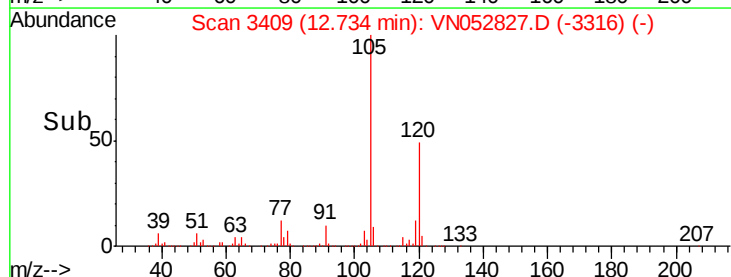
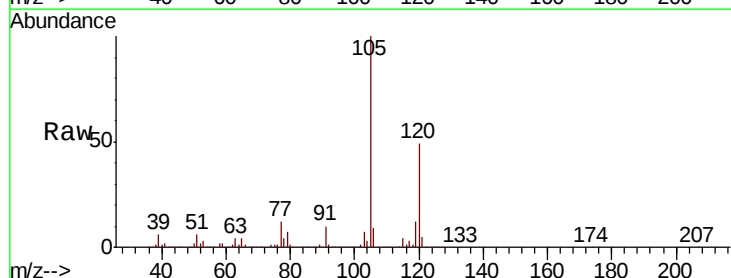
Acq: 12 Dec 2018 15:12

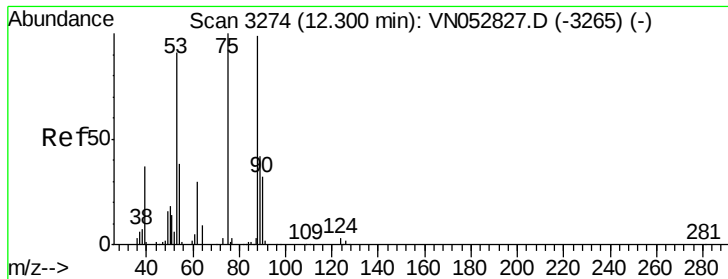
Tgt Ion: 105 Resp: 2041528

Ion Ratio Lower Upper

105 100

120 48.8 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 51.287 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052827.D

Acq: 12 Dec 2018 15:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 157303

Ion Ratio Lower Upper

75 100

53 93.4 74.7 112.1

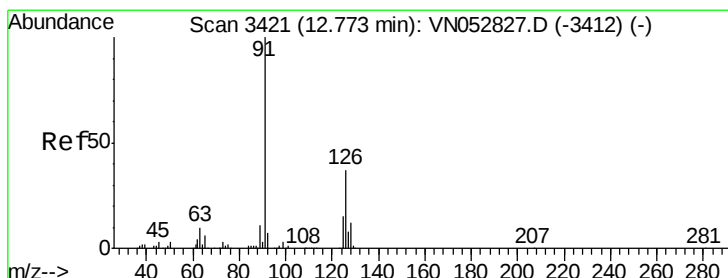
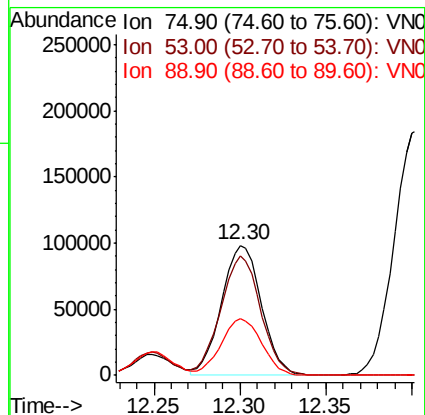
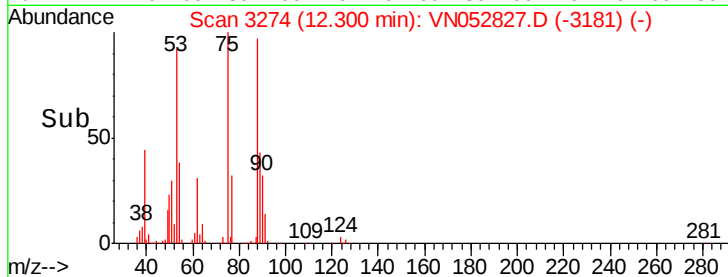
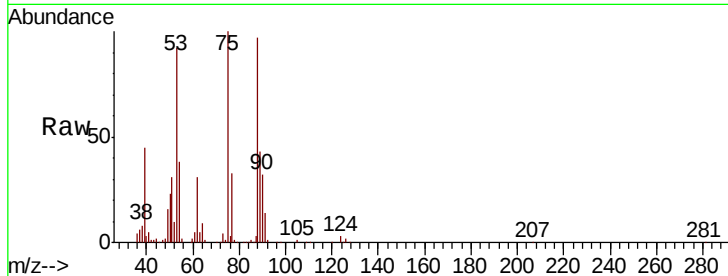
89 45.1 36.1 54.1

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#82

4-Chlorotoluene

Concen: 49.845 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052827.D

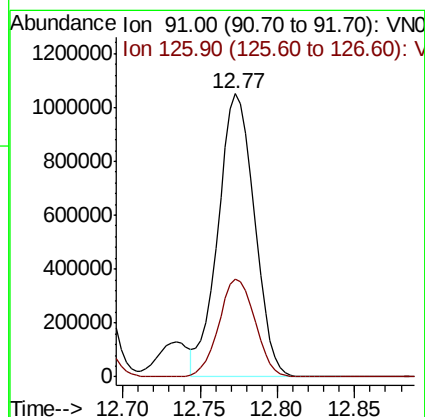
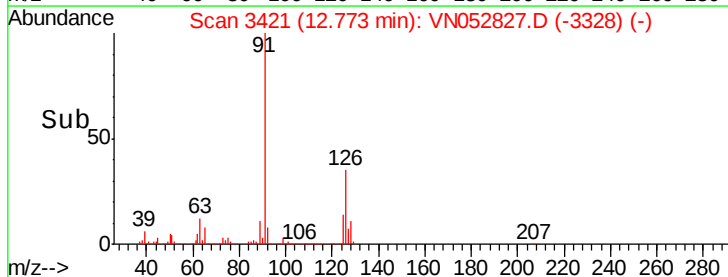
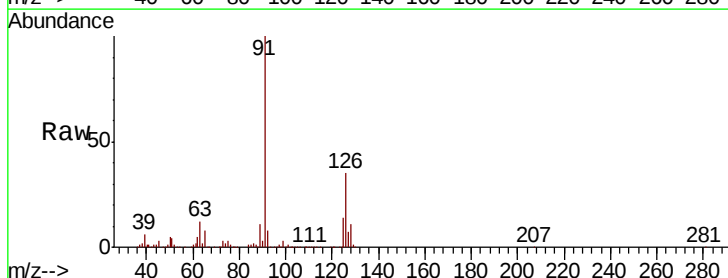
Acq: 12 Dec 2018 15:12

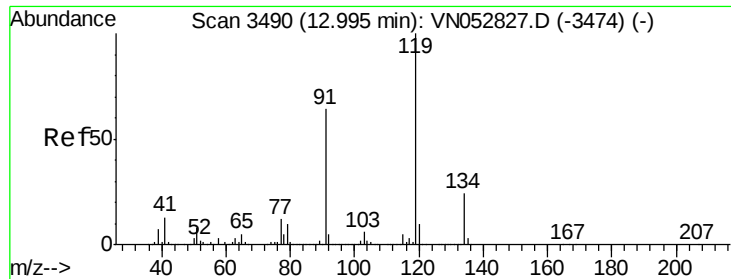
Tgt Ion: 91 Resp: 1713323

Ion Ratio Lower Upper

91 100

126 34.5 17.3 51.7





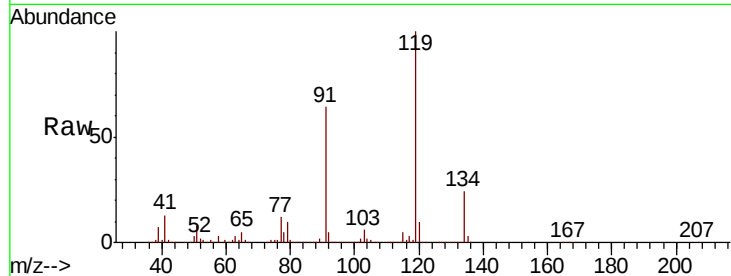
#83
tert-Butylbenzene
Concen: 50.341 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

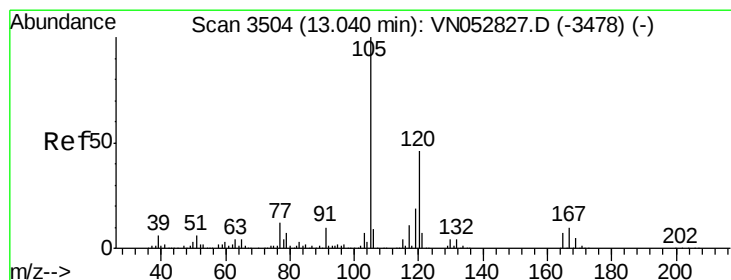
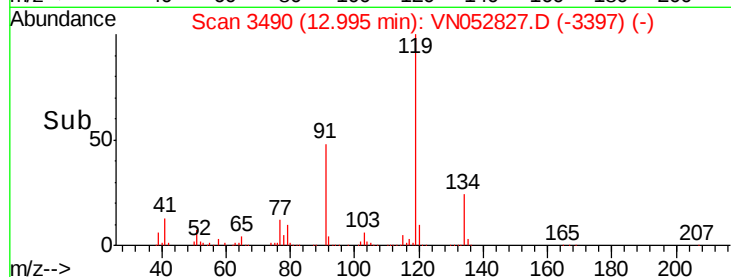
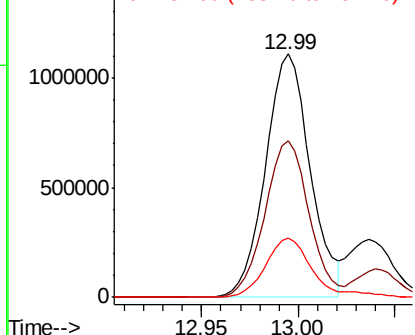
Tot Ion	Ratio	Lower	Upper
119	100		
91	63.7	31.9	95.5
134	25.6	12.8	38.4

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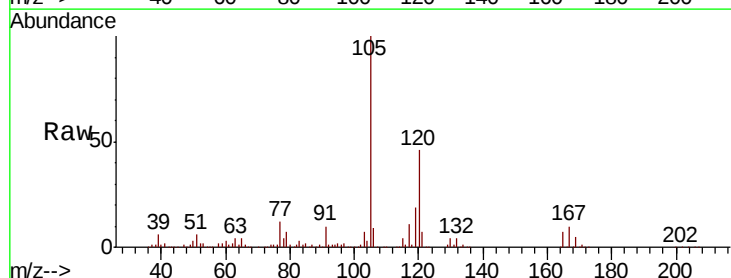


Abundance Ion 119.00 (118.70 to 119.70): V
1500000
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

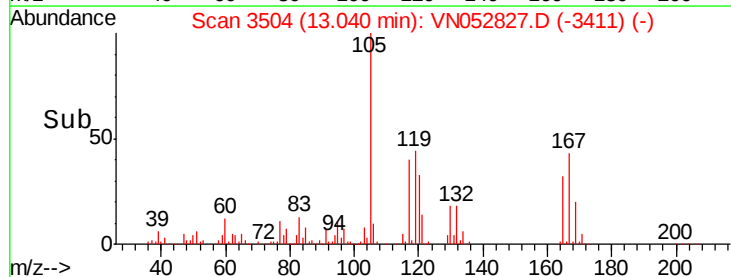
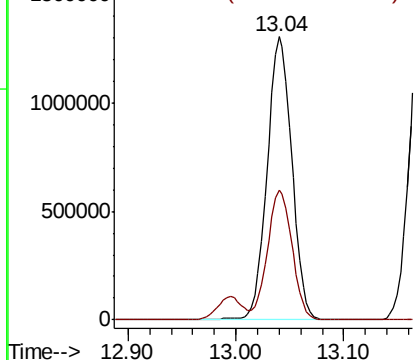


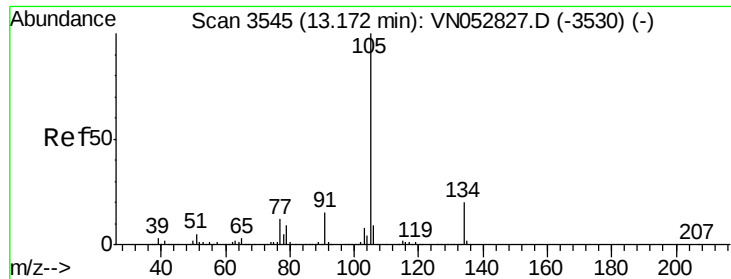
#84
1,2,4-Trimethylbenzene
Concen: 50.742 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.9	68.8



Abundance Ion 105.00 (104.70 to 105.70): V
1500000
Ion 120.00 (119.70 to 120.70): V





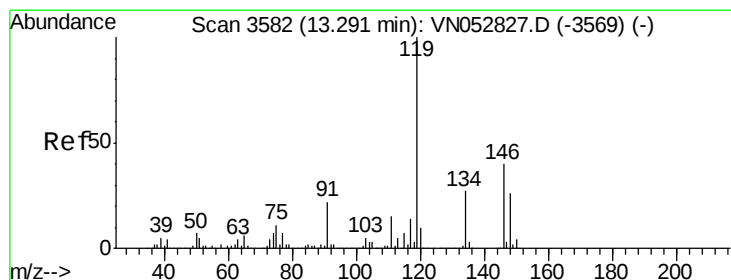
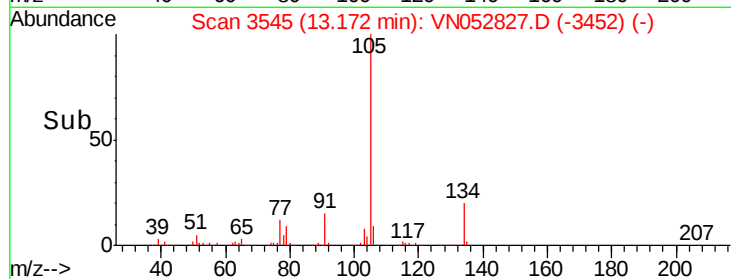
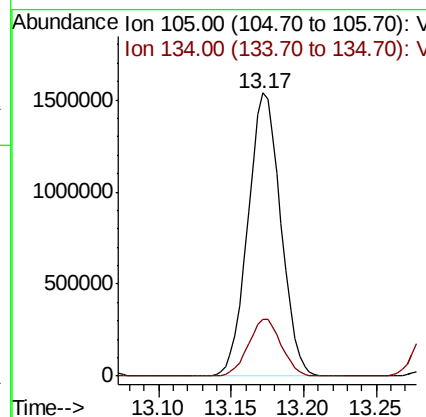
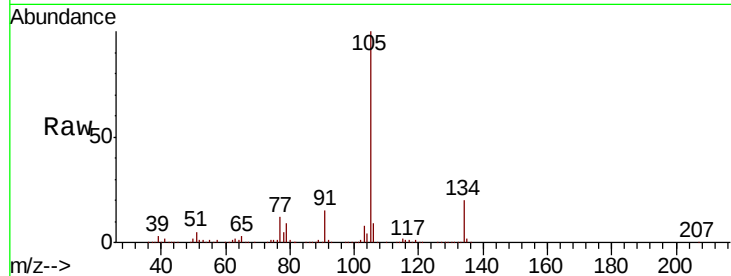
#85
 sec-Butylbenzene
 Concen: 50.428 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN052827.D
 Acq: 12 Dec 2018 15:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:105 Resp: 2424895
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.1 30.3

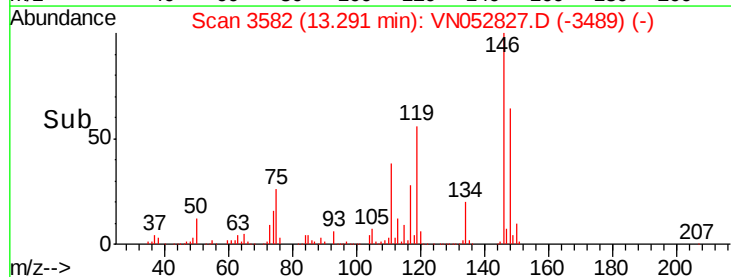
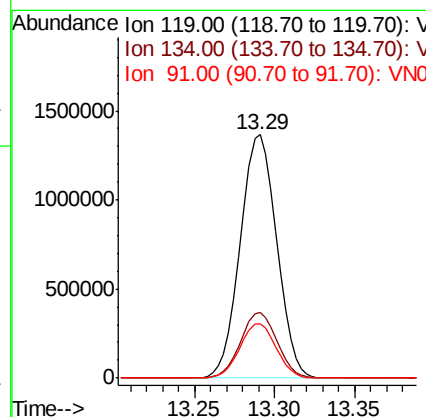
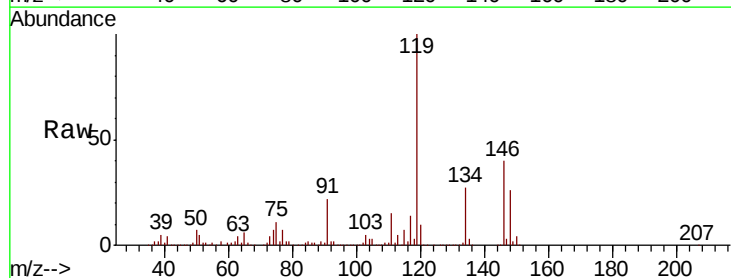
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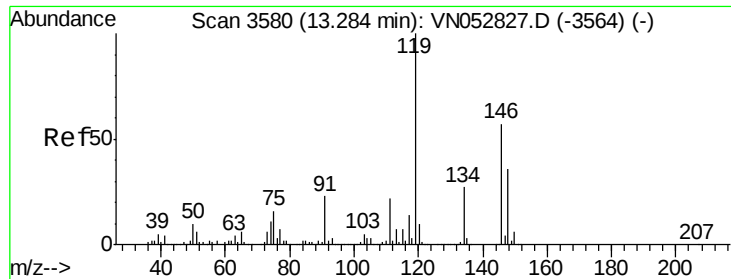
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#86
 p-Isopropyltoluene
 Concen: 50.762 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052827.D
 Acq: 12 Dec 2018 15:12

Tgt Ion:119 Resp: 2114795
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.4 40.2
 91 22.2 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 49.852 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN052827.D

Acq: 12 Dec 2018 15:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:146 Resp: 1123514

Ion Ratio Lower Upper

146 100

111 38.1 19.1 57.1

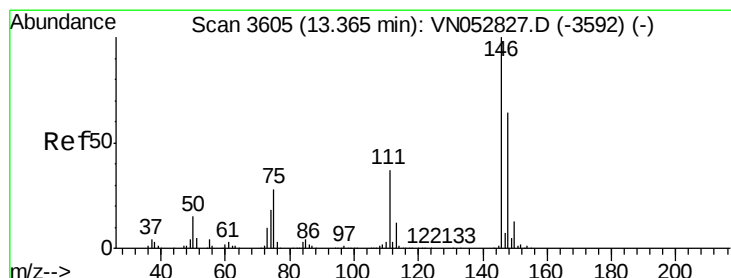
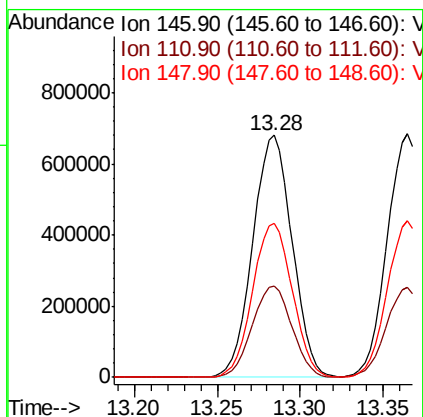
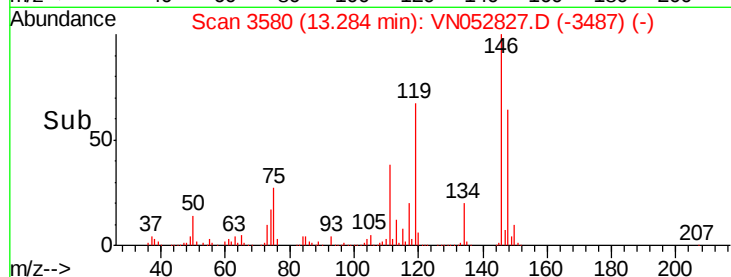
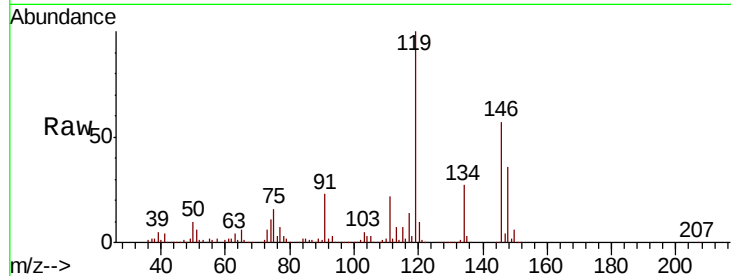
148 64.0 32.0 96.0

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#88

1,4-Dichlorobenzene

Concen: 49.596 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN052827.D

Acq: 12 Dec 2018 15:12

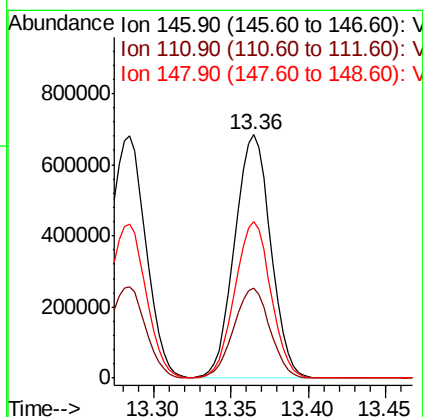
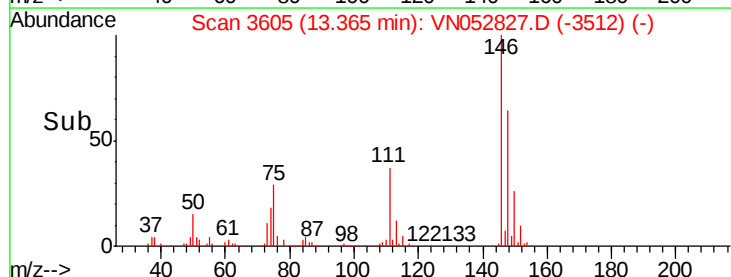
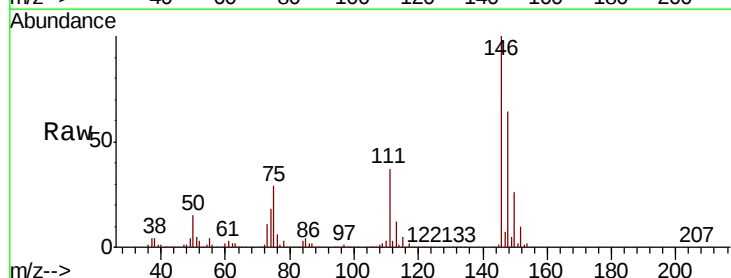
Tgt Ion:146 Resp: 1106923

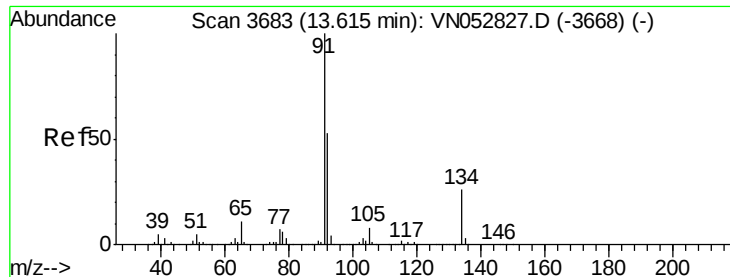
Ion Ratio Lower Upper

146 100

111 37.2 18.6 55.8

148 64.3 32.1 96.5





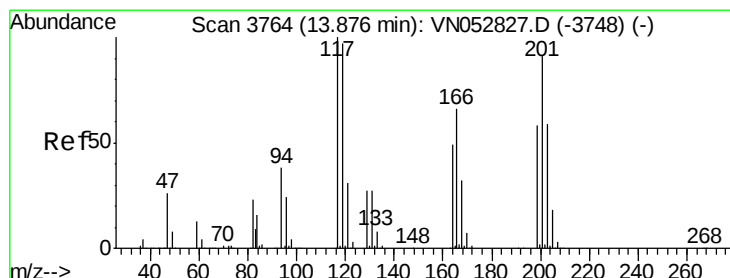
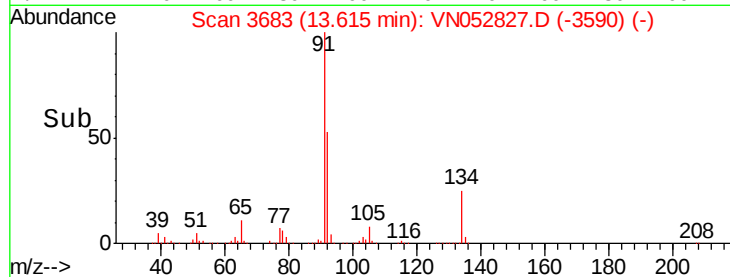
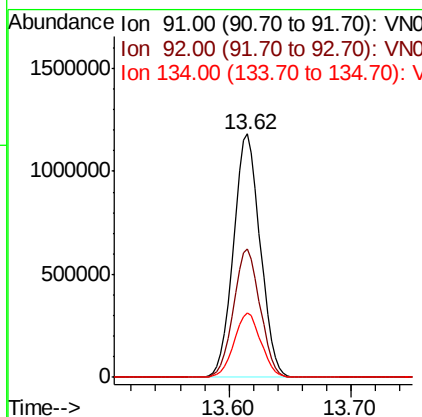
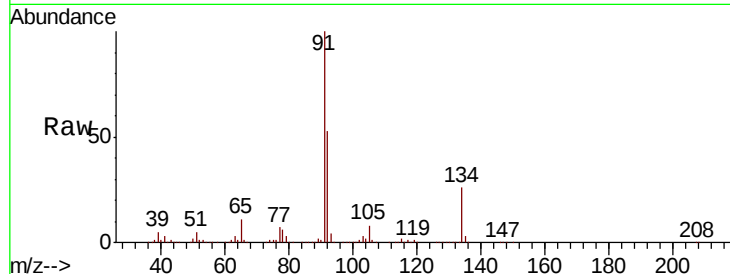
#89
n-Butylbenzene
Concen: 51.119 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1792830
Ion Ratio Lower Upper
91 100
92 52.6 26.3 78.9
134 26.5 13.3 39.8

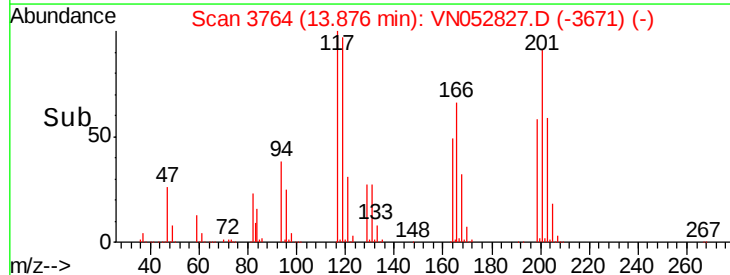
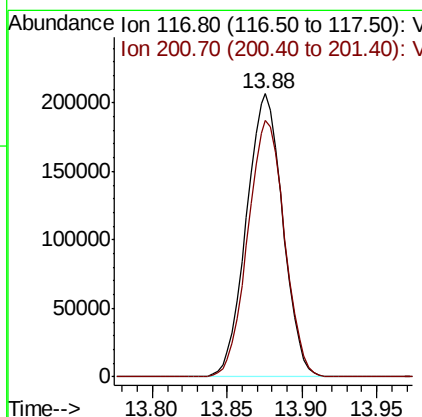
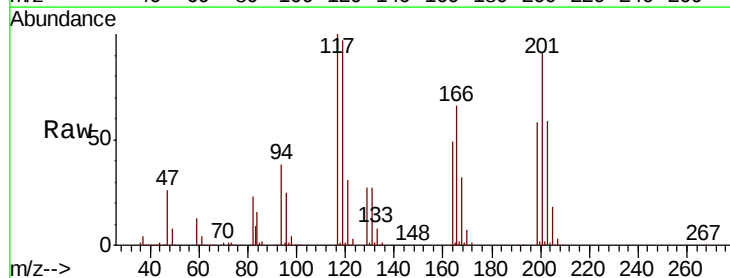
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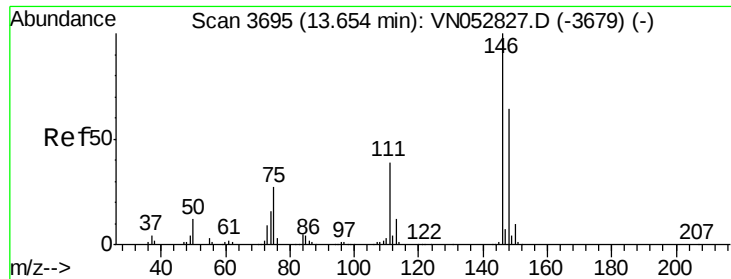
MMDadoda
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#90
Hexachloroethane
Concen: 50.108 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Tgt Ion: 117 Resp: 349554
Ion Ratio Lower Upper
117 100
201 91.4 45.7 137.1





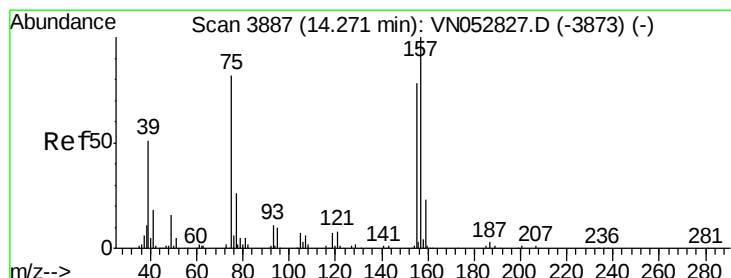
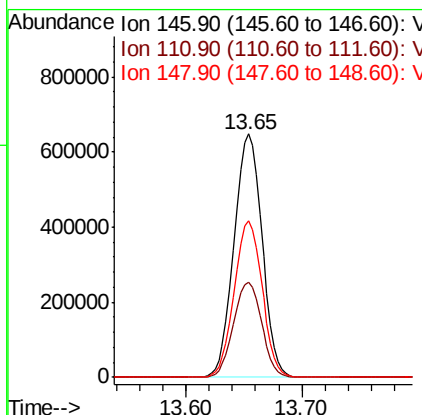
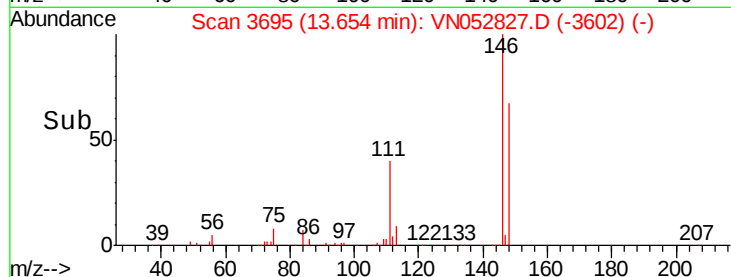
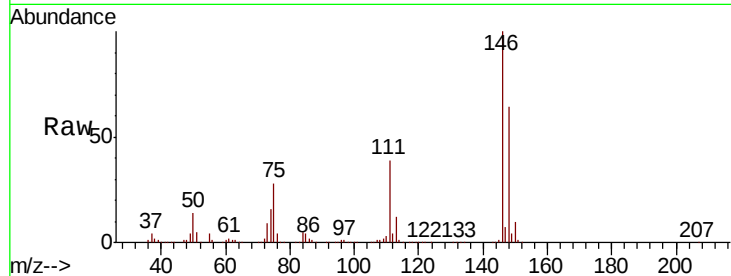
#91
 1,2-Dichlorobenzene
 Concen: 49.867 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052827.D
 Acq: 12 Dec 2018 15:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

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

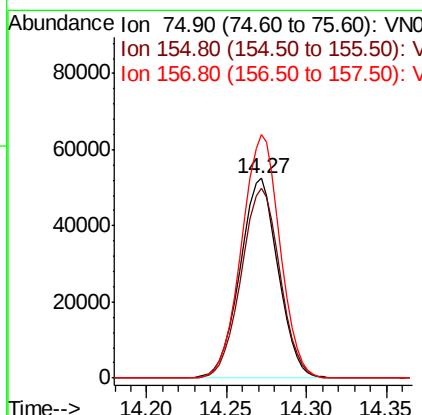
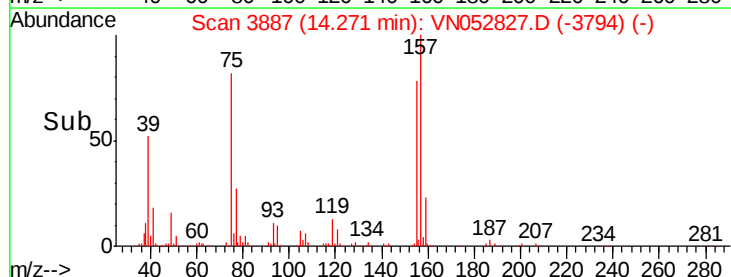
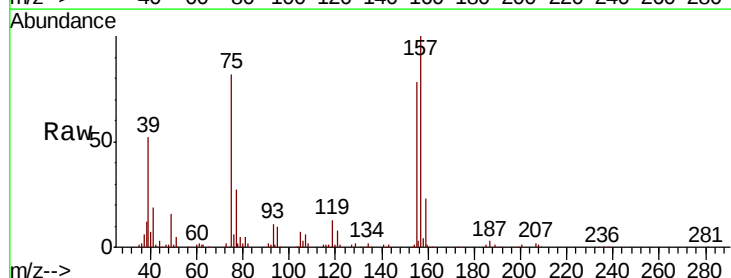
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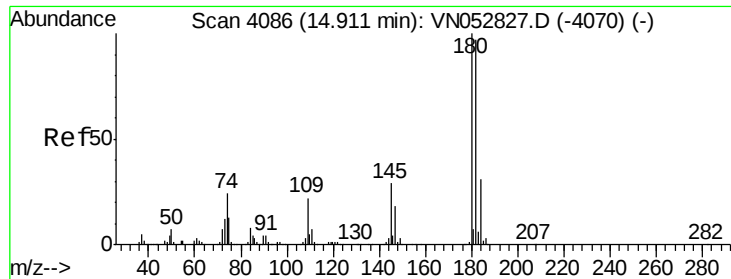
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.603 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052827.D
 Acq: 12 Dec 2018 15:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.4	48.2	144.6
157	122.3	61.2	183.5





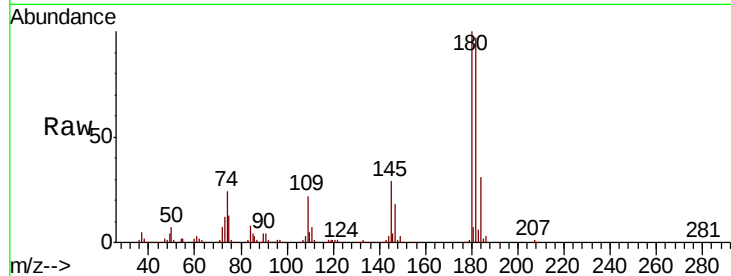
#93
 1,2,4-Trichlorobenzene
 Concen: 51.265 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052827.D
 Acq: 12 Dec 2018 15:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	604129		
182	95.5	47.8	143.3	
145	28.4	14.2	42.6	

Manual Integrations
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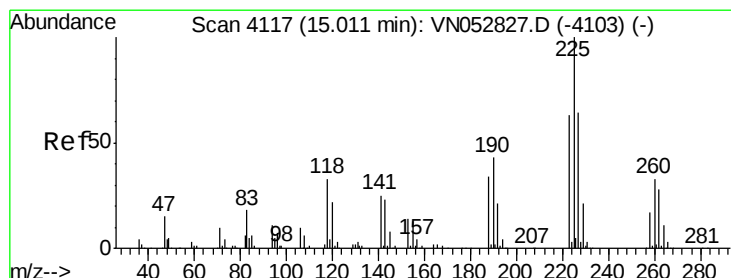
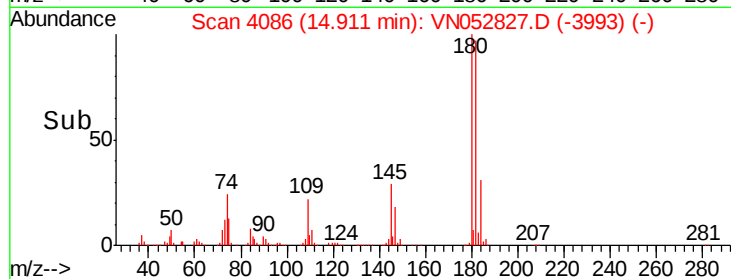
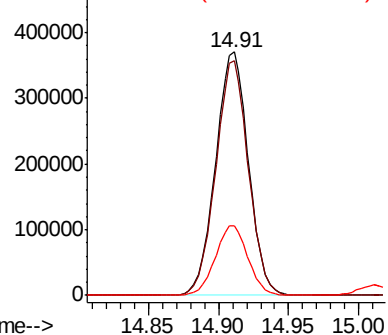


Abundance

Ion 179.80 (179.50 to 180.50): V

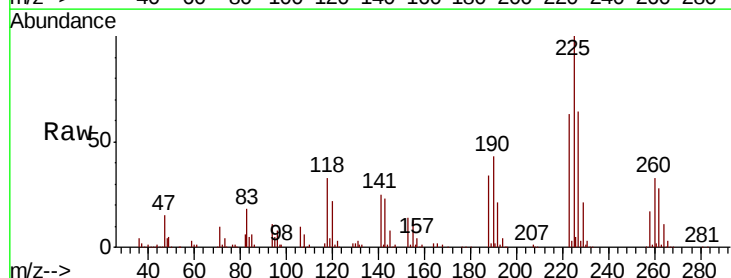
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 47.705 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052827.D
 Acq: 12 Dec 2018 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	325398		
223	63.0	31.5	94.5	
227	63.8	31.9	95.7	

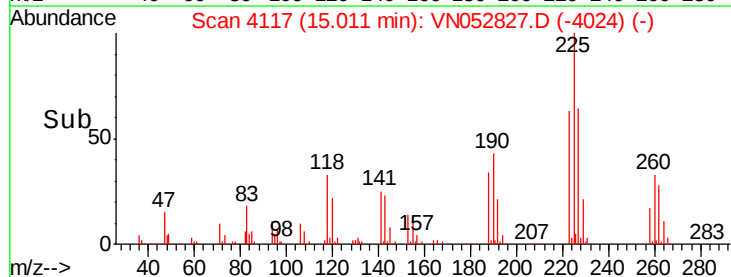
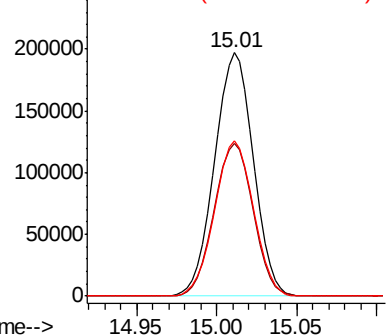


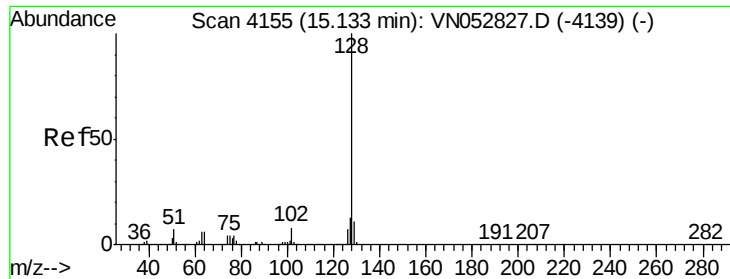
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





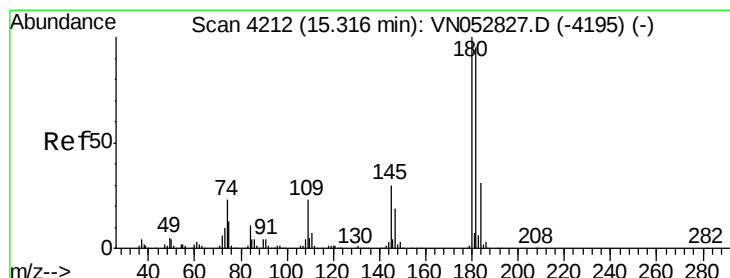
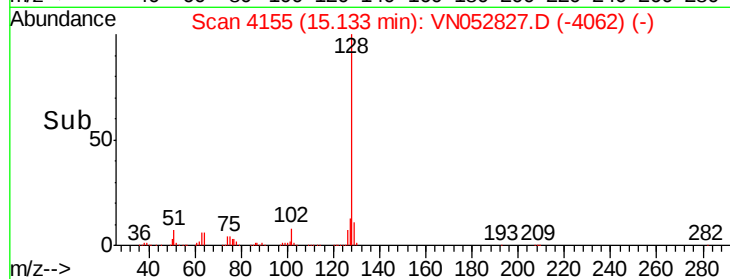
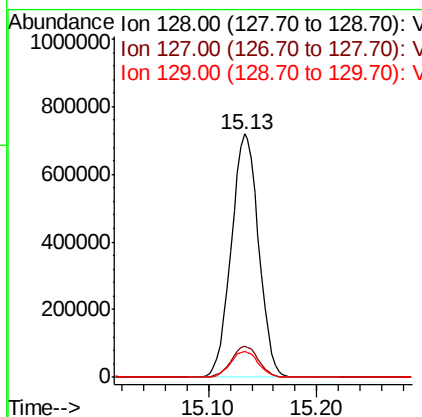
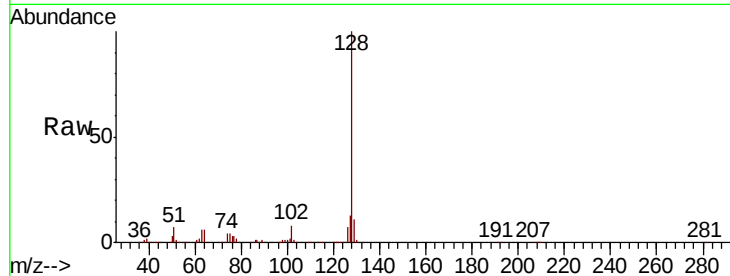
#95
Naphthalene
Concen: 52.098 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.8	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 50.907 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052827.D
Acq: 12 Dec 2018 15:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.9	143.7
145	30.0	15.0	45.0

