

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110518\
 Data File : VN052145.D
 Acq On : 5 Nov 2018 13:36
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 11/6/2018 9:59:49 AM

Quant Time: Nov 05 22:21:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 05 22:07:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	355104	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	620903	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	548805	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	244276	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	85667	20.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.70%	
35) Dibromofluoromethane	7.59	113	72298	18.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.50%	
50) Toluene-d8	10.09	98	278445	18.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.36%	
62) 4-Bromofluorobenzene	12.40	95	93400	19.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	64171	20.724	ug/l	97
3) Chloromethane	2.06	50	84855	20.303	ug/l	98
4) Vinyl Chloride	2.19	62	81604	20.386	ug/l	99
5) Bromomethane	2.57	94	58409	19.518	ug/l	94
6) Chloroethane	2.71	64	52425	20.483	ug/l	98
7) Trichlorofluoromethane	3.02	101	116532	20.041	ug/l	93
8) Diethyl Ether	3.42	74	41053	20.209	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.77	101	69004	19.859	ug/l	98
10) Methyl Iodide	3.96	142	92117	18.777	ug/l	99
11) Tert butyl alcohol	4.78	59	22737	124.094	ug/l	97
12) 1,1-Dichloroethene	3.74	96	66133	20.216	ug/l	94
13) Acrolein	3.61	56	18627	113.079	ug/l	99
14) Allyl chloride	4.33	41	105179	19.264	ug/l	95
15) Acrylonitrile	4.99	53	127905	106.114	ug/l	98
16) Acetone	3.82	43	103248	108.226	ug/l	94
17) Carbon Disulfide	4.06	76	177998	19.068	ug/l	99
18) Methyl Acetate	4.33	43	62034	21.011	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	193367	21.458	ug/l	99
20) Methylene Chloride	4.56	84	77945	19.663	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	71960	21.152	ug/l	95
22) Diisopropyl ether	5.95	45	246211	20.455	ug/l	99
23) Vinyl Acetate	5.90	43	845419	106.786	ug/l	99
24) 1,1-Dichloroethane	5.86	63	138754	20.378	ug/l	99
25) 2-Butanone	6.83	43	164170	110.977	ug/l	99
26) 2,2-Dichloropropane	6.83	77	106005	19.905	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	83932	20.337	ug/l	99
28) Bromochloromethane	7.20	49	65229	20.235	ug/l	100
29) Tetrahydrofuran	7.21	42	101053	110.406	ug/l	97
30) Chloroform	7.37	83	142047	20.948	ug/l	100
31) Cyclohexane	7.65	56	133944	17.423	ug/l #	96
32) 1,1,1-Trichloroethane	7.57	97	120505	20.035	ug/l	99
36) 1,1-Dichloropropene	7.80	75	99641	18.141	ug/l	97
37) Ethyl Acetate	6.93	43	73365	21.212	ug/l	97
38) Carbon Tetrachloride	7.78	117	102978	18.766	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	124349	19.115	ug/l	98
40) Benzene	8.04	78	316667	19.612	ug/l	100
41) Methacrylonitrile	7.18	41	34492m	19.402	ug/l	
42) 1,2-Dichloroethane	8.13	62	104166	20.068	ug/l	98
43) Isopropyl Acetate	8.17	43	129597	20.679	ug/l	100
44) Trichloroethene	8.84	130	82705	19.346	ug/l	100
45) 1,2-Dichloropropane	9.12	63	84066	19.659	ug/l	97
46) Dibromomethane	9.21	93	52358	19.253	ug/l	98
47) Bromodichloromethane	9.40	83	103859	19.582	ug/l	98
48) Methyl methacrylate	9.20	41	62356	20.673	ug/l	99
49) 1,4-Dioxane	9.20	88	13050	536.038	ug/l #	90
51) 4-Methyl-2-Pentanone	9.99	43	360496	108.879	ug/l	100
52) Toluene	10.16	92	191189	19.635	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	101040	19.419	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	119546	19.635	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	72484	21.114	ug/l	97
56) Ethyl methacrylate	10.43	69	92659	20.707	ug/l	97
57) 1,3-Dichloropropane	10.71	76	125031	20.674	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	262798	109.128	ug/l	99
59) 2-Hexanone	10.75	43	256730	111.387	ug/l	100
60) Dibromochloromethane	10.90	129	75092	19.235	ug/l	99
61) 1,2-Dibromoethane	11.00	107	72815	20.895	ug/l	97
64) Tetrachloroethene	10.63	164	70970	19.961	ug/l	97
65) Chlorobenzene	11.43	112	218487	19.532	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	74819	19.917	ug/l	97
67) Ethyl Benzene	11.51	91	369831	19.906	ug/l	97
68) m/p-Xylenes	11.62	106	288242	40.207	ug/l	100
69) o-Xylene	11.95	106	137800	19.821	ug/l	99
70) Styrene	11.96	104	218450	19.848	ug/l	99
71) Bromoform	12.12	173	41808	19.218	ug/l #	99
73) Isopropylbenzene	12.25	105	358523	19.411	ug/l	98
74) N-amyl acetate	12.07	43	112420	19.226	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	85933	21.256	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	82504m	25.301	ug/l	
77) Bromobenzene	12.53	156	86081	19.545	ug/l	95
78) n-propylbenzene	12.59	91	413650	19.597	ug/l	99
79) 2-Chlorotoluene	12.67	91	241390	19.502	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	291478	19.497	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	20717	19.296	ug/l	90
82) 4-Chlorotoluene	12.77	91	241421	19.405	ug/l	100
83) tert-Butylbenzene	12.99	119	259661	19.670	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	299394	20.118	ug/l	99
85) sec-Butylbenzene	13.17	105	348084	19.500	ug/l	99
86) p-Isopropyltoluene	13.29	119	300150	19.978	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	150915	19.390	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	152471	19.599	ug/l	97
89) n-Butylbenzene	13.61	91	248952	19.136	ug/l	97
90) Hexachloroethane	13.88	117	45706	18.051	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	148212	20.291	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12075	22.626	ug/l	89

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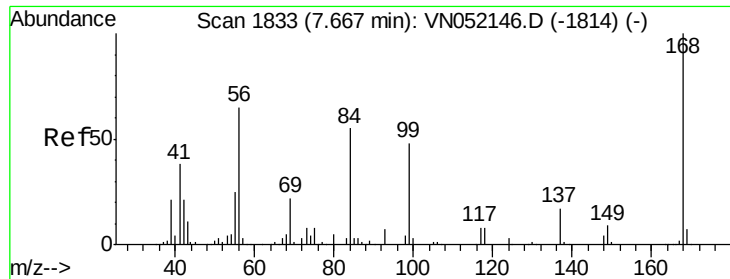
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	63146	18.600	ug/l	96
94) Hexachlorobutadiene	15.01	225	33689	17.070	ug/l	97
95) Naphthalene	15.13	128	152057	20.328	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	56547	18.797	ug/l	99

(#) = 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: VN052145.D

Acq: 5 Nov 2018 13:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 355104

Ion Ratio Lower Upper

168 100

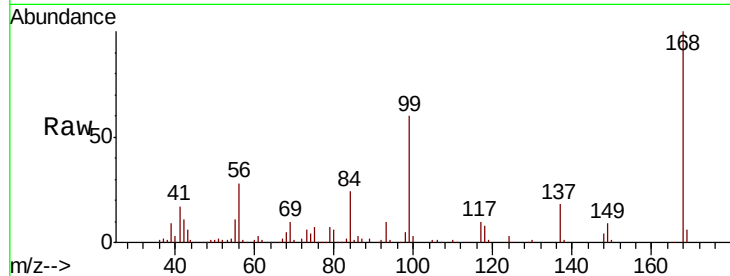
99 60.2 45.4 68.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

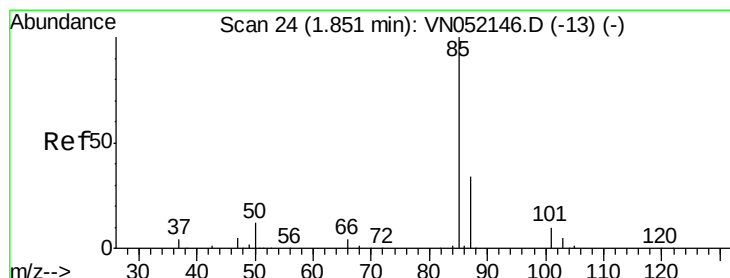
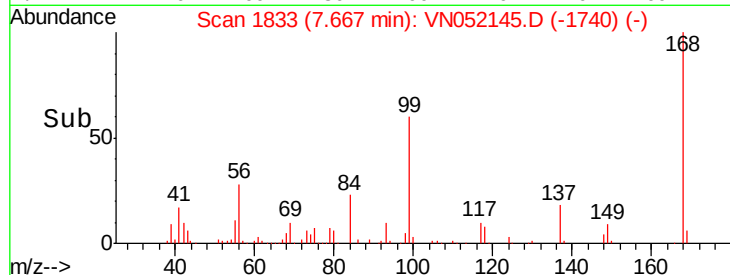
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.724 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052145.D

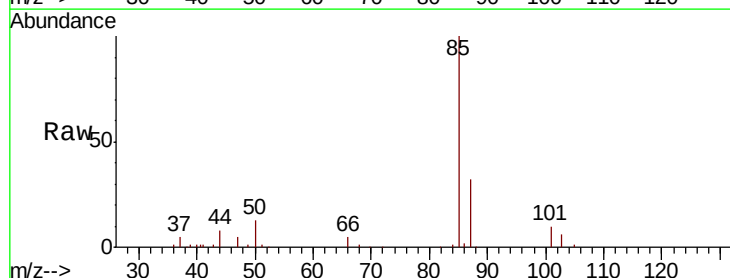
Acq: 5 Nov 2018 13:36

Tgt Ion: 85 Resp: 64171

Ion Ratio Lower Upper

85 100

87 32.3 17.0 51.0



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

50000

40000

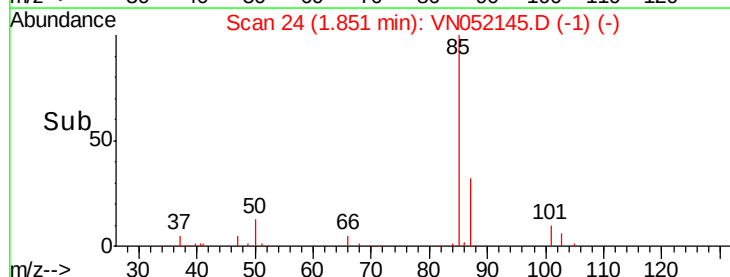
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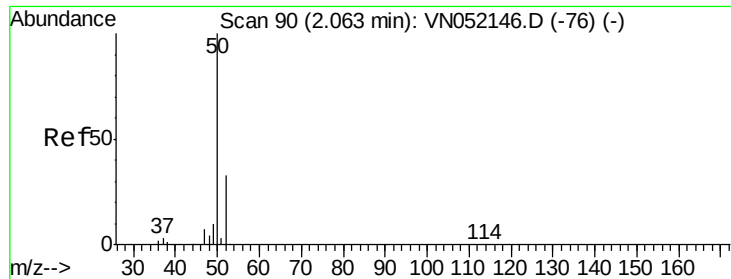
20000

10000

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Time-->





#3

Chloromethane

Concen: 20.303 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052145.D

Acq: 5 Nov 2018 13:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 84855

Ion Ratio Lower Upper

50 100

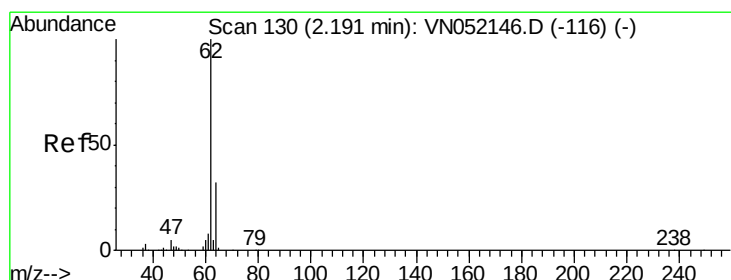
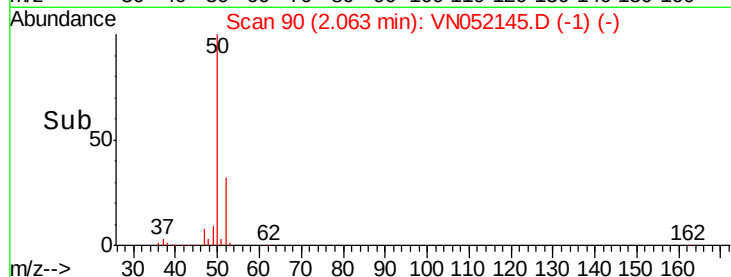
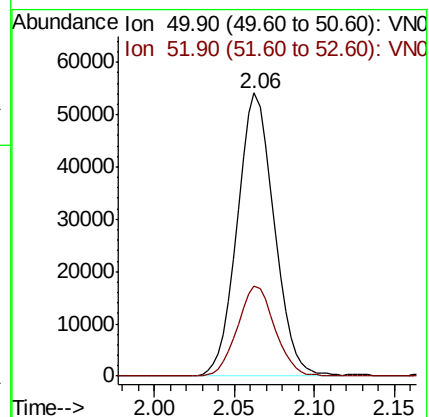
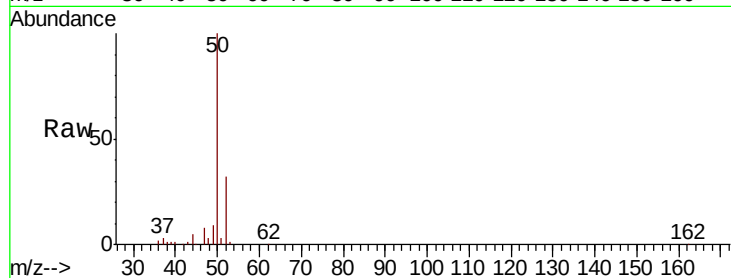
52 31.7 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.386 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN052145.D

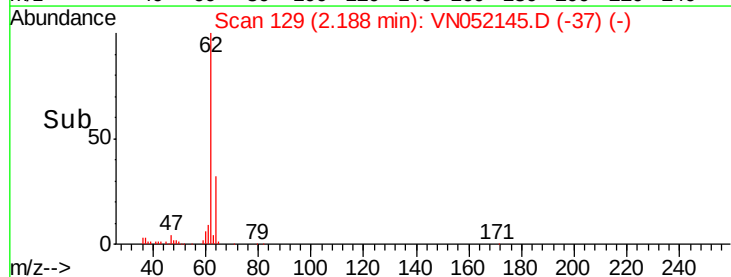
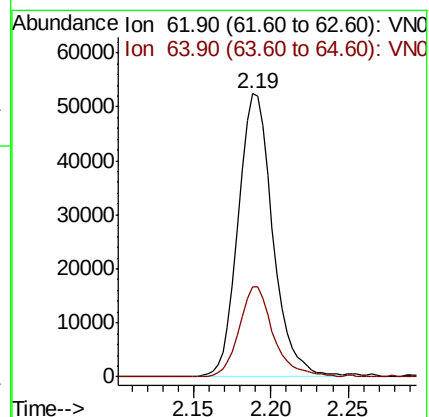
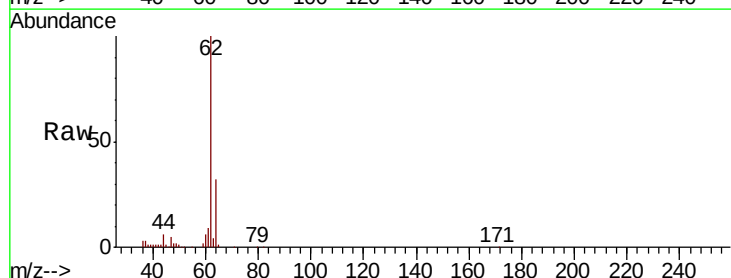
Acq: 5 Nov 2018 13:36

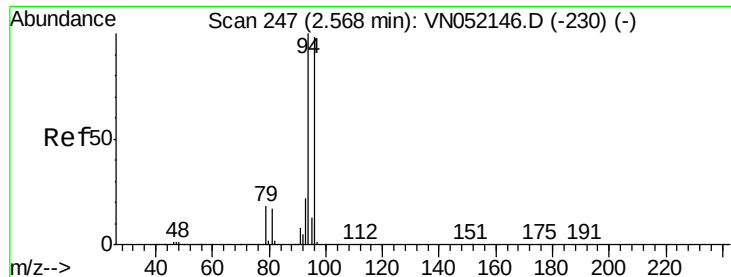
Tgt Ion: 62 Resp: 81604

Ion Ratio Lower Upper

62 100

64 31.6 25.8 38.6





#5

Bromomethane

Concen: 19.518 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN052145.D

Acq: 5 Nov 2018 13:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 58409

Ion Ratio Lower Upper

94 100

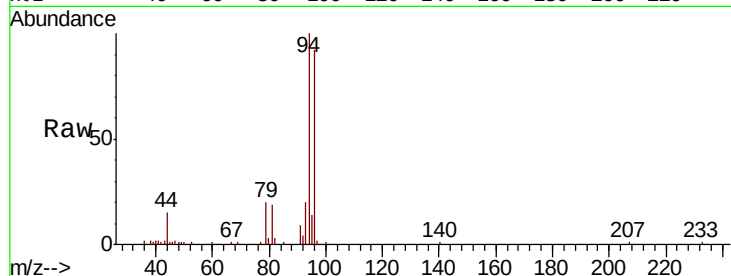
96 92.1 78.3 117.5

Manual Integrations

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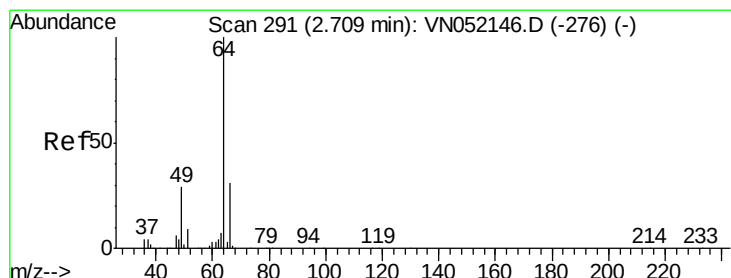
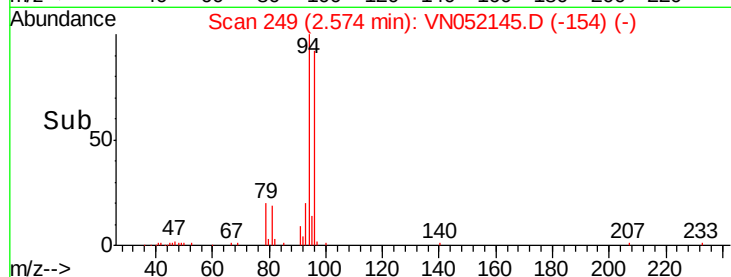
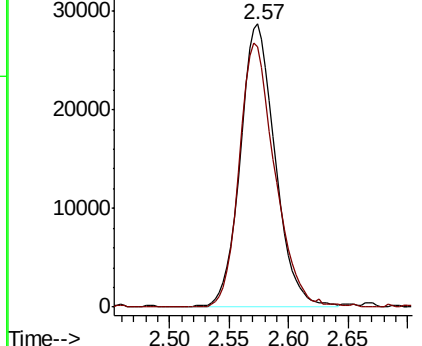
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.483 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN052145.D

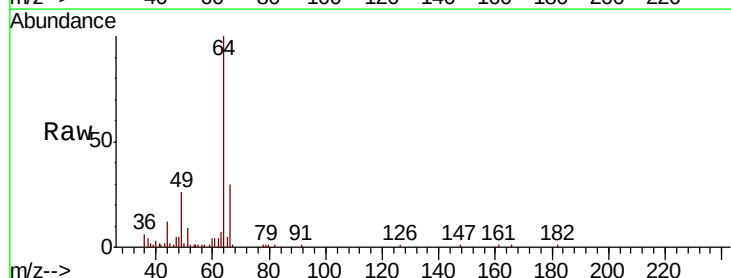
Acq: 5 Nov 2018 13:36

Tgt Ion: 64 Resp: 52425

Ion Ratio Lower Upper

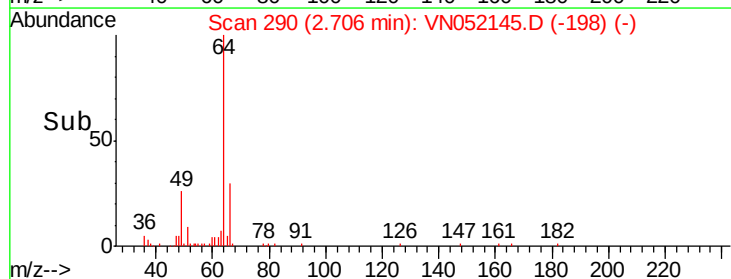
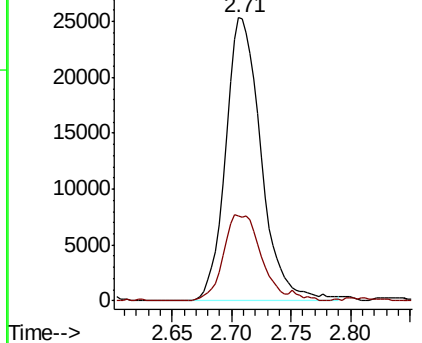
64 100

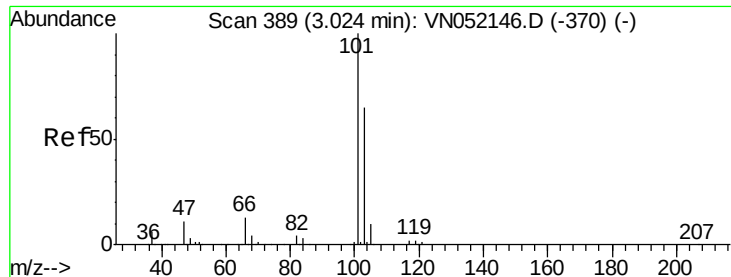
66 30.0 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

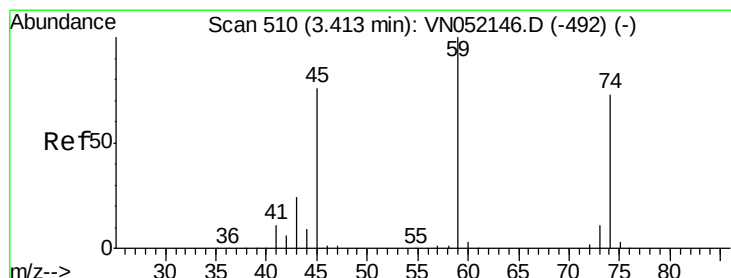
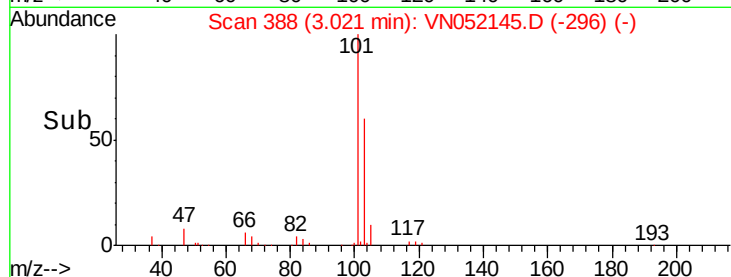
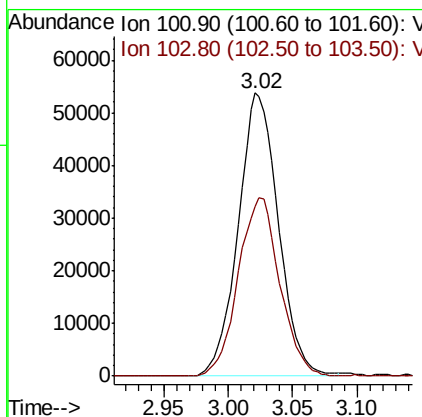
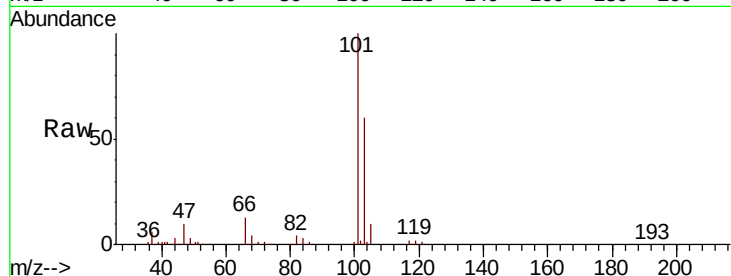
Trichlorofluoromethane
Concen: 20.041 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN052145.D
Acq: 5 Nov 2018 13:36

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Tot Ion	Ratio	Lower	Upper
101	100		
103	59.7	52.2	78.4

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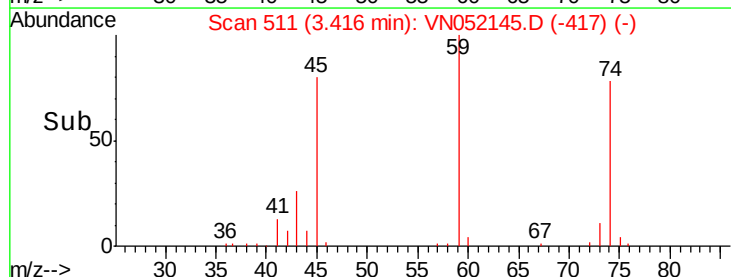
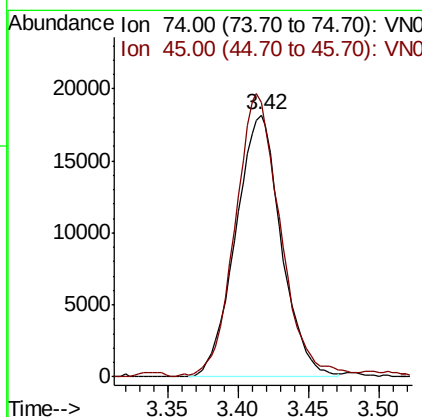
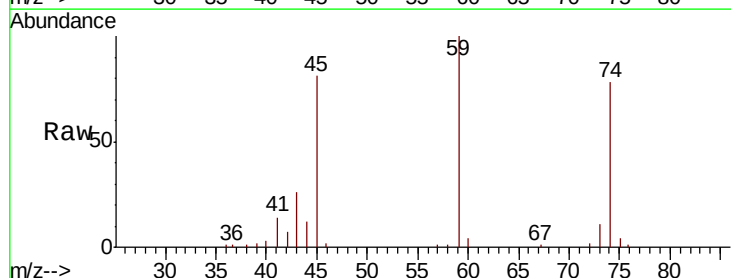
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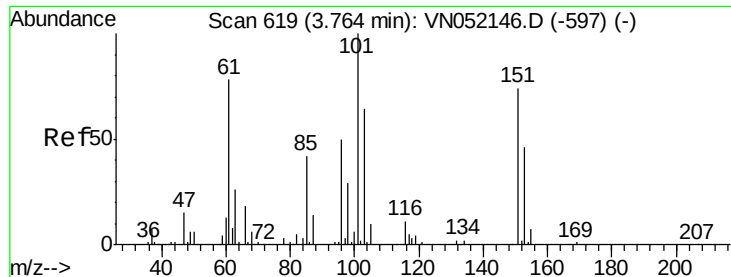


#8

Diethyl Ether
Concen: 20.209 ug/l
RT: 3.42 min Scan# 511
Delta R.T. 0.00 min
Lab File: VN052145.D
Acq: 5 Nov 2018 13:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.5	49.1	147.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.859 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052145.D

Acq: 5 Nov 2018 13:36

Instrument :

MSVOA_N

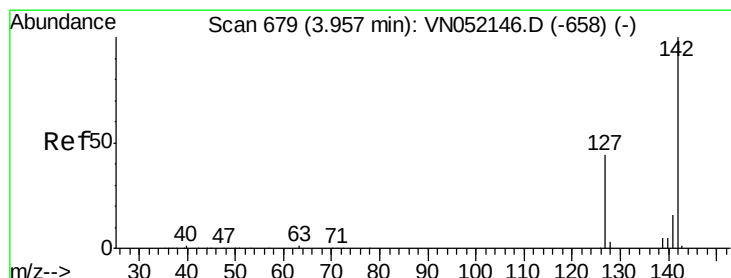
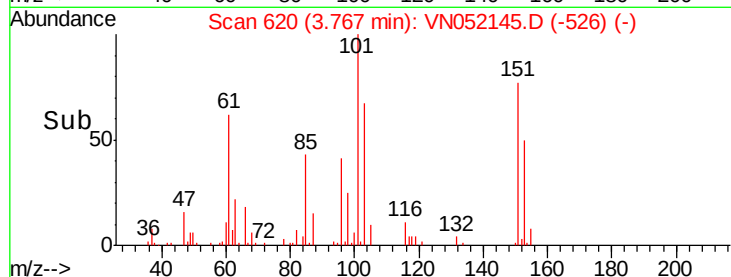
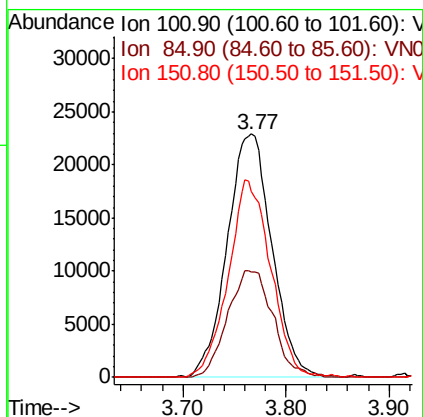
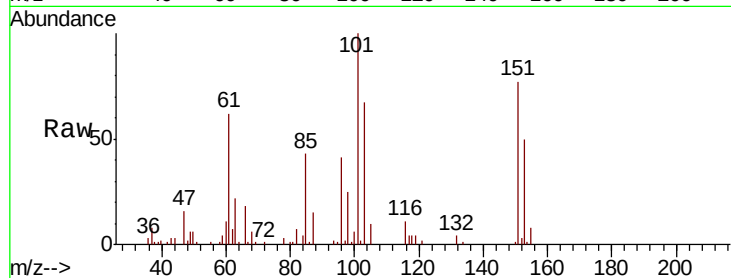
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	69004
Ion Ratio	Lower	Upper	
101	100		
85	44.3	36.1	54.1
151	76.9	59.7	89.5

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#10

Methyl Iodide

Concen: 18.777 ug/l

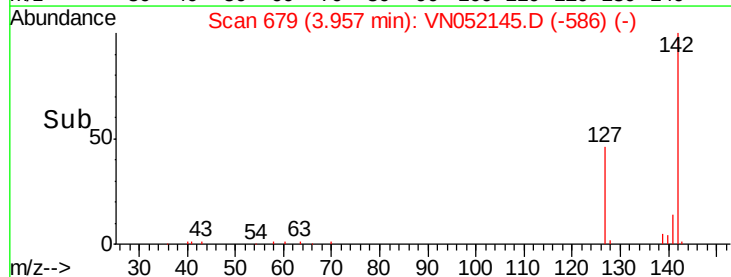
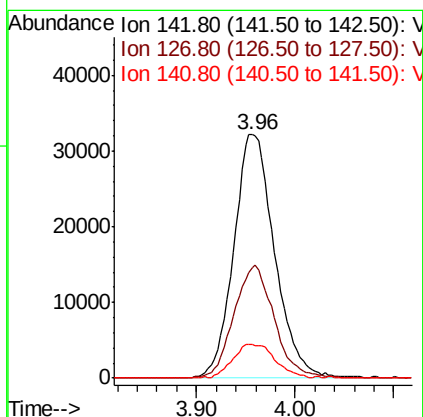
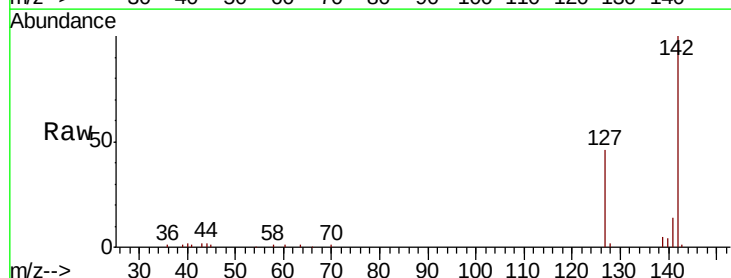
RT: 3.96 min Scan# 679

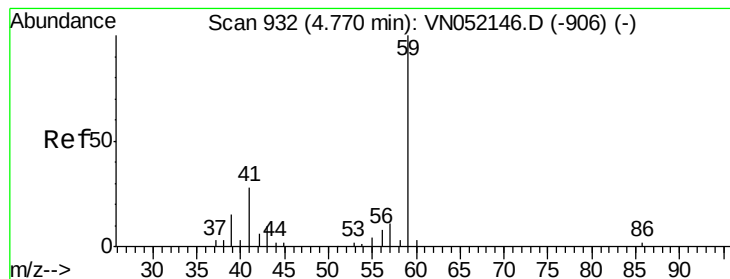
Delta R.T. 0.00 min

Lab File: VN052145.D

Acq: 5 Nov 2018 13:36

Tgt Ion:	142	Resp:	92117
Ion Ratio	Lower	Upper	
142	100		
127	45.7	36.0	54.0
141	14.3	11.8	17.6





#11

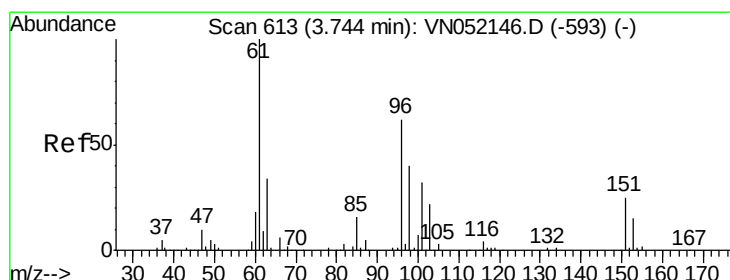
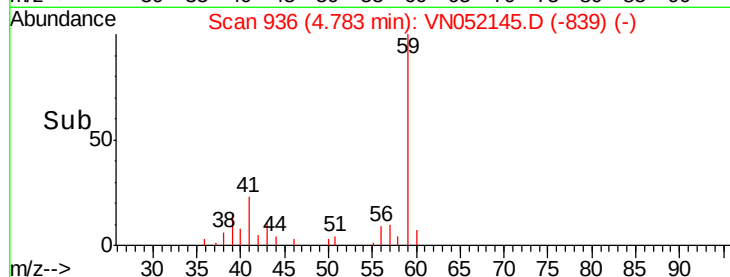
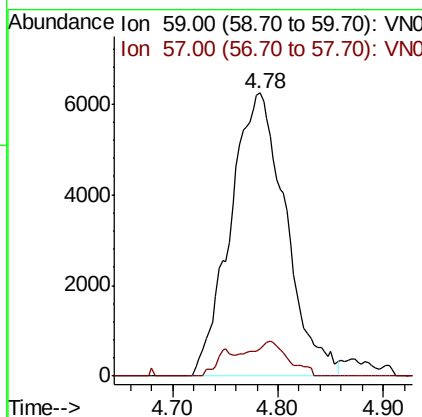
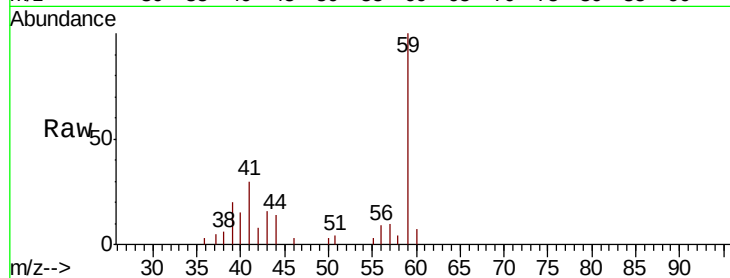
Tert butyl alcohol
 Concen: 124.094 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VN052145.D
 Acq: 5 Nov 2018 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	59.00	Resp	22737
Ion Ratio	100	Lower	Upper
59	100		
57	6.2	5.7	8.5

Manual Integrations
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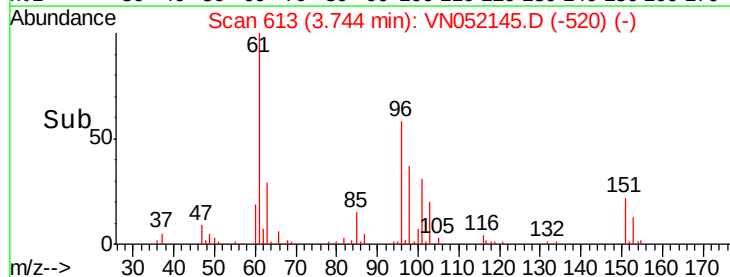
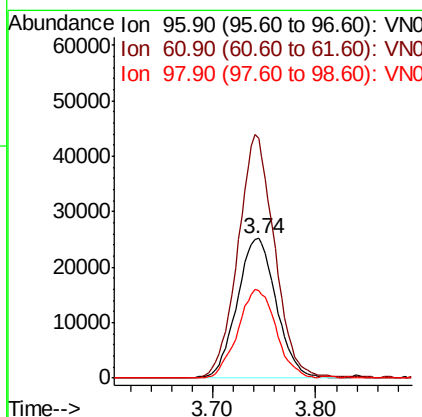
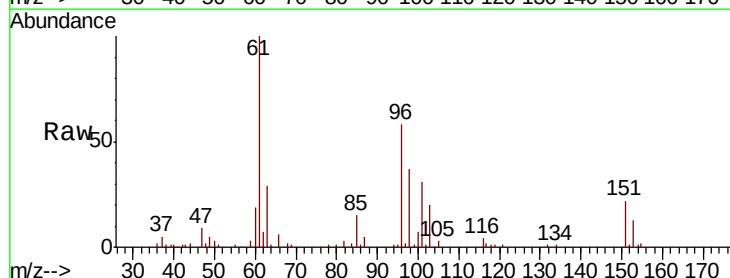
MMDadoda
 11/6/2018 9:59:49 AM

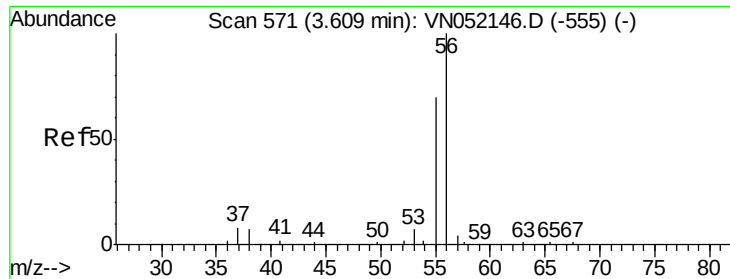


#12

1,1-Dichloroethene
 Concen: 20.216 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN052145.D
 Acq: 5 Nov 2018 13:36

Tgt Ion	96	Resp	66133
Ion Ratio	100	Lower	Upper
96	100		
61	172.0	128.4	192.6
98	62.9	50.9	76.3





#13

Acrolein

Concen: 113.079 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052145.D

Acq: 5 Nov 2018 13:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 18627

Ion Ratio Lower Upper

56 100

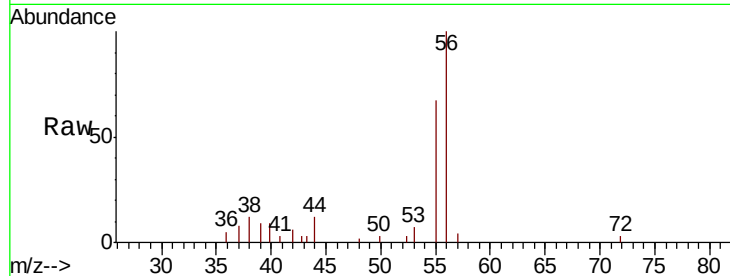
55 71.4 56.6 84.8

Manual Integrations

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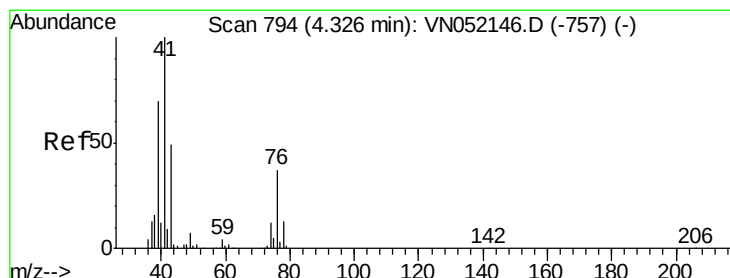
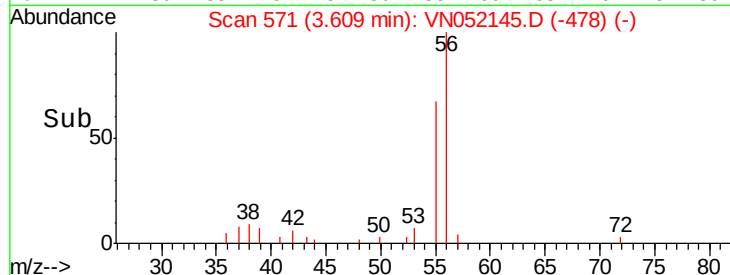


Abundance Ion 56.00 (55.70 to 56.70): VN052145.D (-555) (-)

Ion 55.00 (54.70 to 55.70): VN052145.D (-555) (-)

3.61

Time-->



#14

Allyl chloride

Concen: 19.264 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052145.D

Acq: 5 Nov 2018 13:36

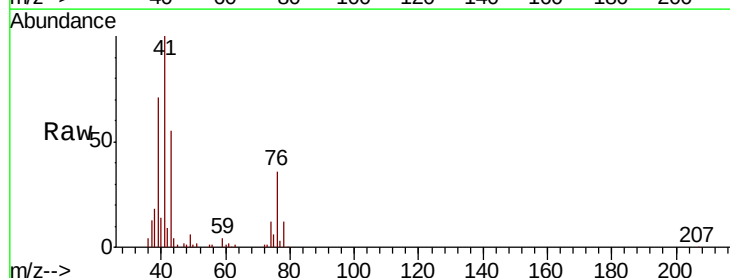
Tgt Ion: 41 Resp: 105179

Ion Ratio Lower Upper

41 100

39 73.4 55.3 82.9

76 37.9 27.8 41.8



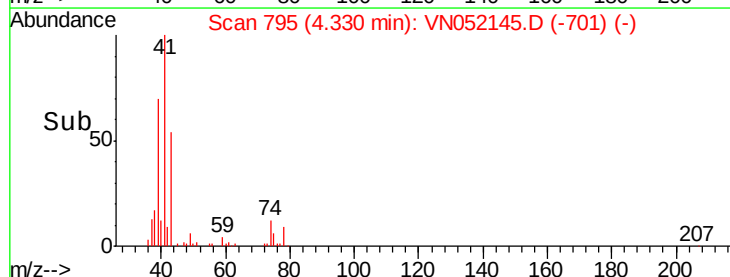
Abundance Ion 41.00 (40.70 to 41.70): VN052145.D (-757) (-)

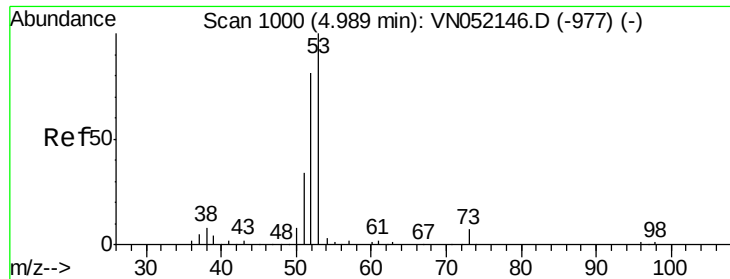
Ion 39.00 (38.70 to 39.70): VN052145.D (-757) (-)

Ion 75.90 (75.60 to 76.60): VN052145.D (-757) (-)

4.33

Time-->





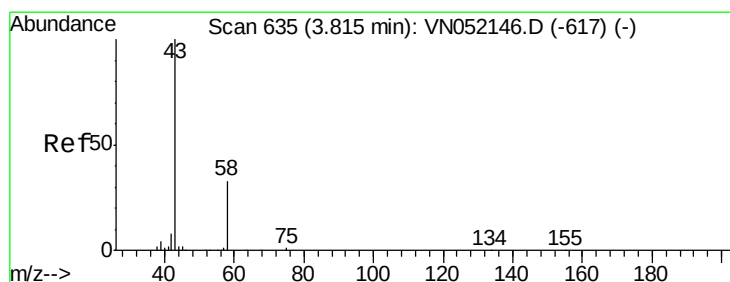
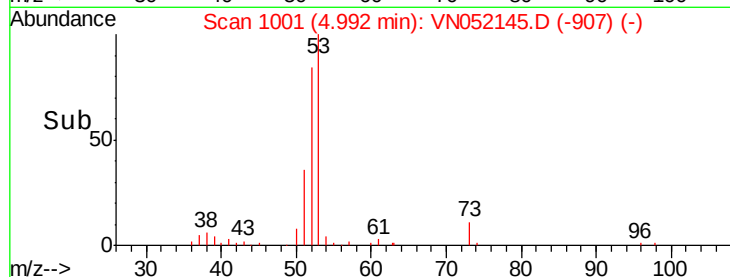
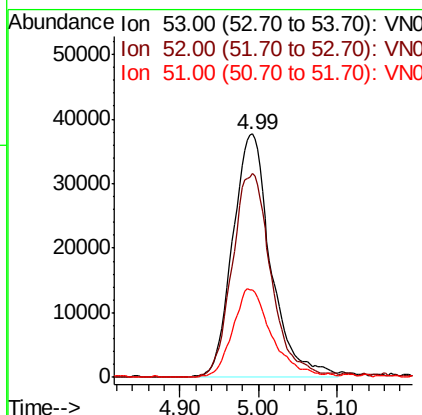
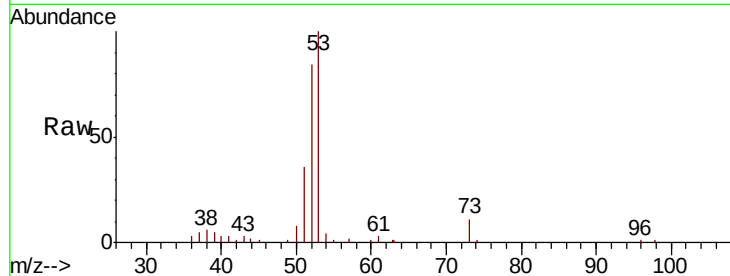
#15
 Acrylonitrile
 Concen: 106.114 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN052145.D
 Acq: 5 Nov 2018 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
53	100		
52	85.4	66.5	99.7
51	37.1	29.2	43.8

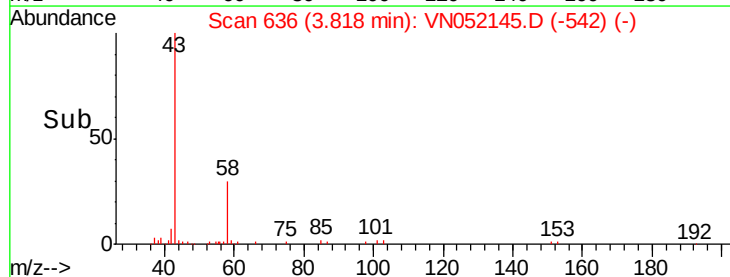
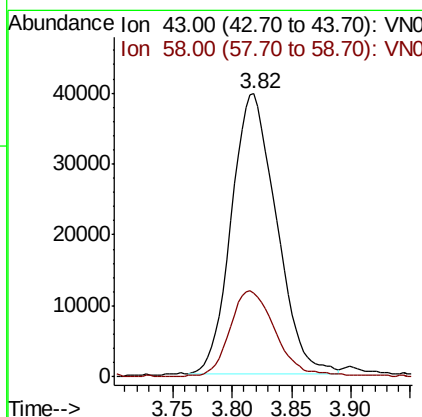
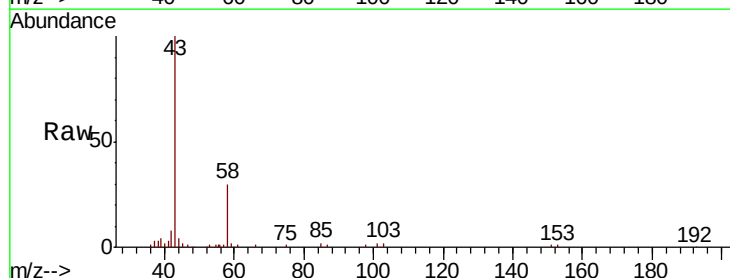
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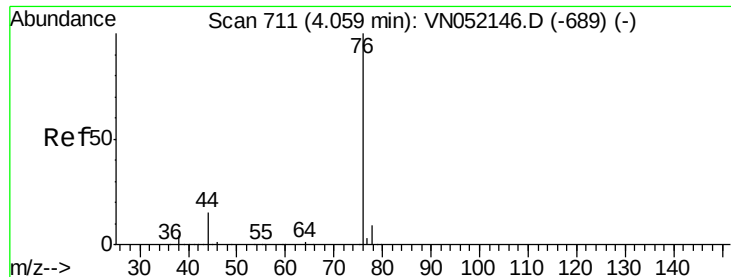
MMDadoda
 11/6/2018 9:59:49 AM



#16
 Acetone
 Concen: 108.226 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN052145.D
 Acq: 5 Nov 2018 13:36

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.4	26.2	39.2





#17

Carbon Disulfide

Concen: 19.068 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052145.D

Acq: 5 Nov 2018 13:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 177998

Ion Ratio Lower Upper

76 100

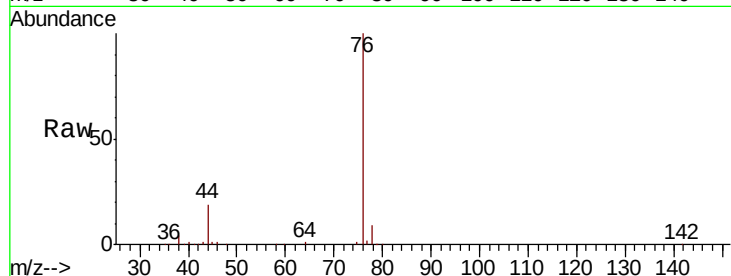
78 9.2 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

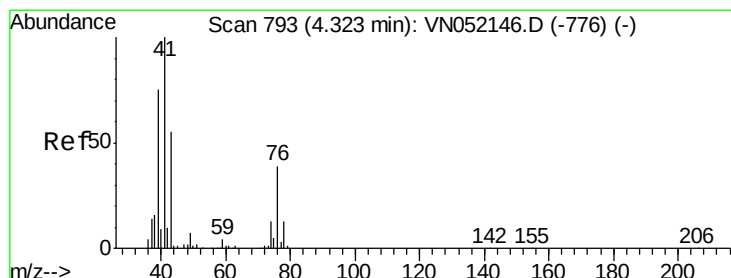
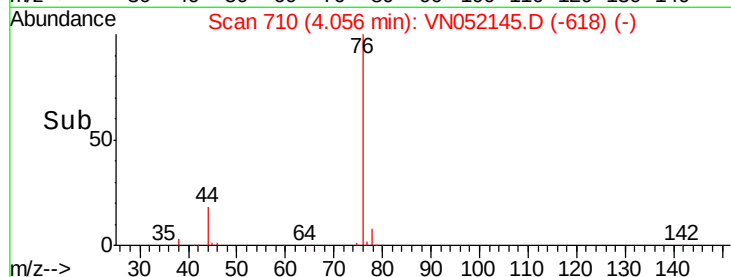
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 21.011 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052145.D

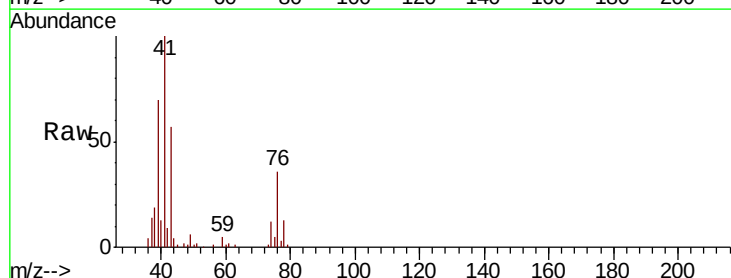
Acq: 5 Nov 2018 13:36

Tgt Ion: 43 Resp: 62034

Ion Ratio Lower Upper

43 100

74 22.6 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

25000

20000

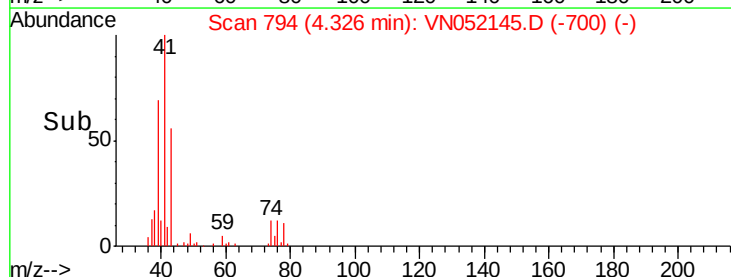
15000

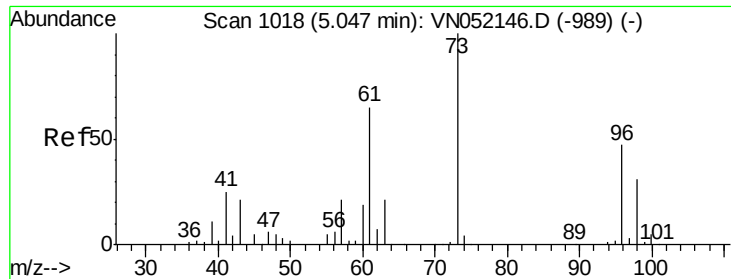
10000

5000

0

Time-->





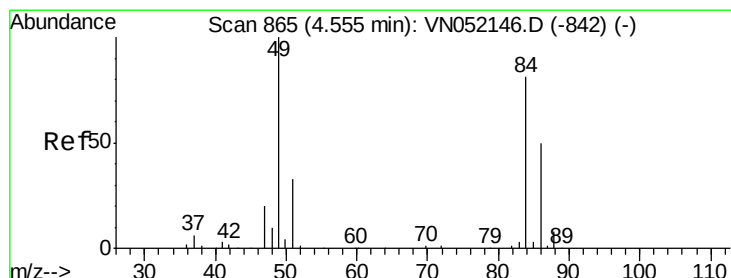
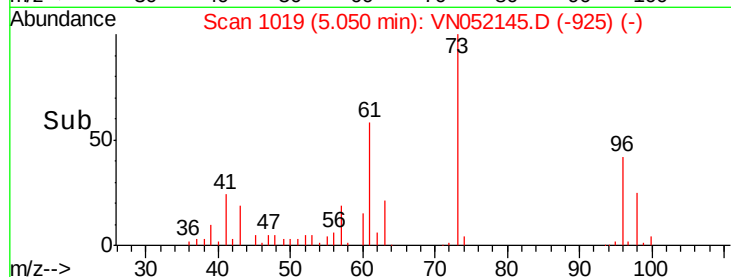
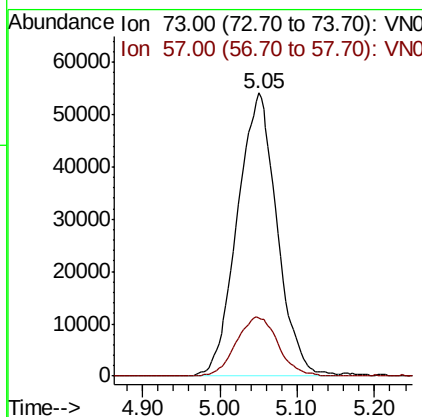
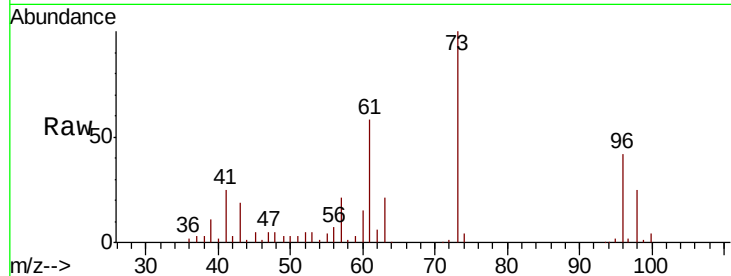
#19
Methyl tert-butyl Ether
Concen: 21.458 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052145.D
Acq: 5 Nov 2018 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 193367
Ion Ratio Lower Upper
73 100
57 20.6 16.8 25.2

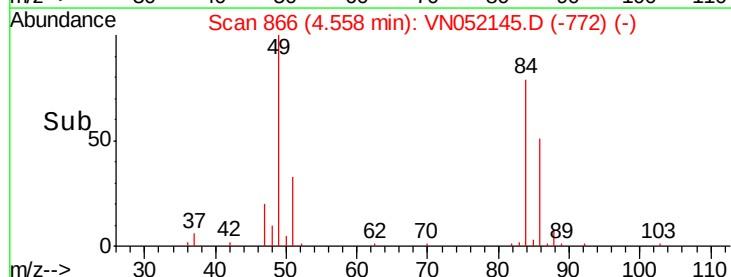
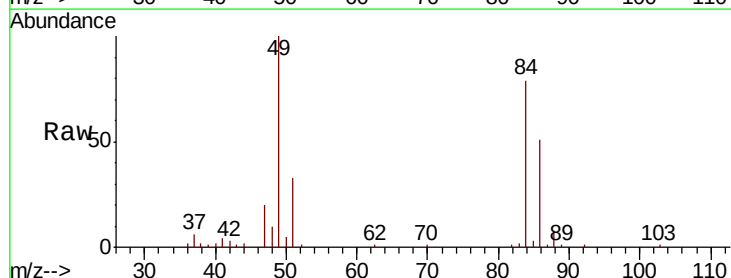
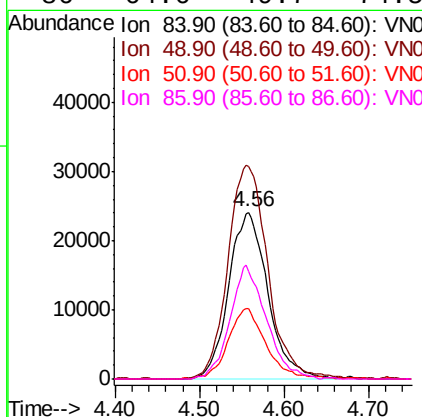
Manual Integrations
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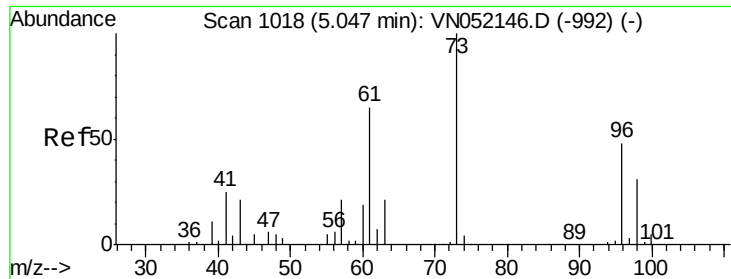
MMDadoda
11/6/2018 9:59:49 AM



#20
Methylene Chloride
Concen: 19.663 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052145.D
Acq: 5 Nov 2018 13:36

Tgt Ion: 84 Resp: 77945
Ion Ratio Lower Upper
84 100
49 126.4 98.4 147.6
51 42.0 32.5 48.7
86 64.6 49.7 74.5





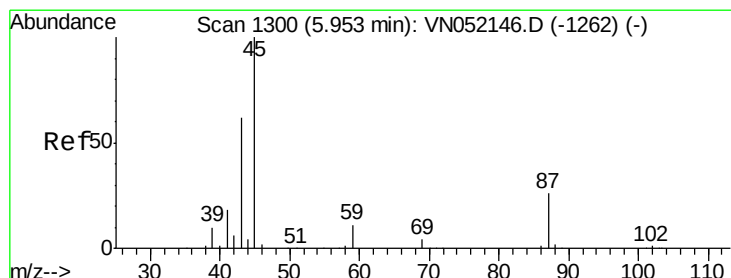
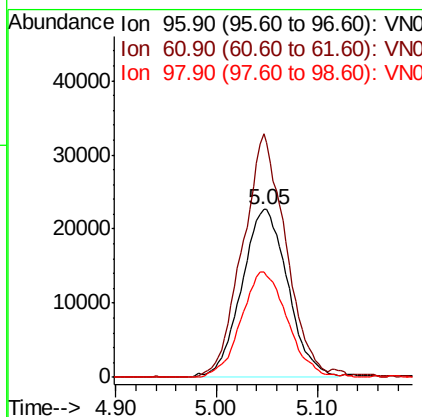
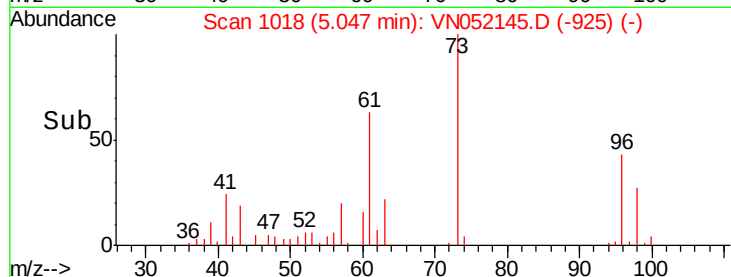
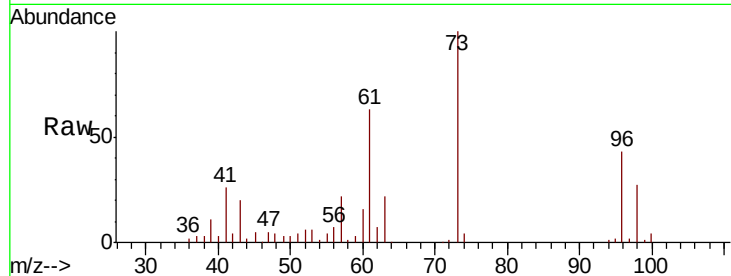
#21
trans-1,2-Dichloroethene
Concen: 21.152 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052145.D
Acq: 5 Nov 2018 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.3	109.6	164.4
98	63.2	52.0	78.0

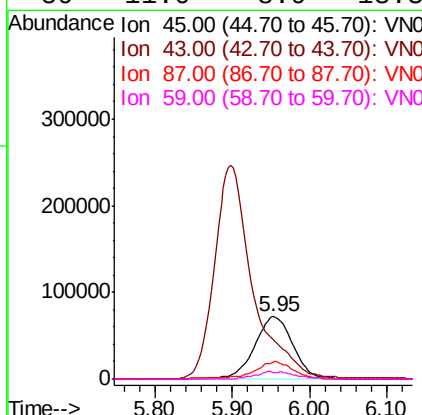
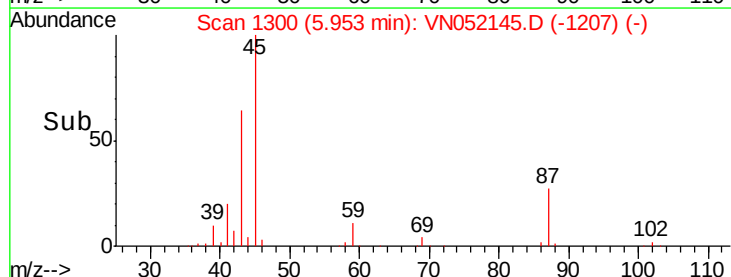
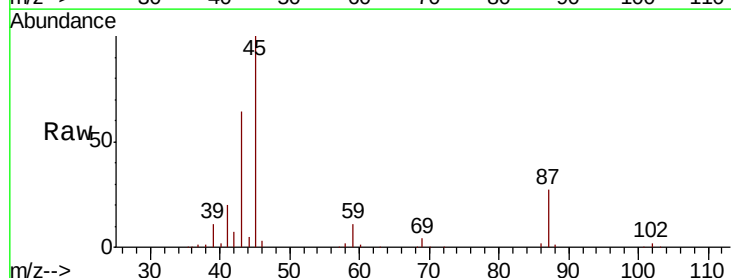
Manual Integrations
APPROVED

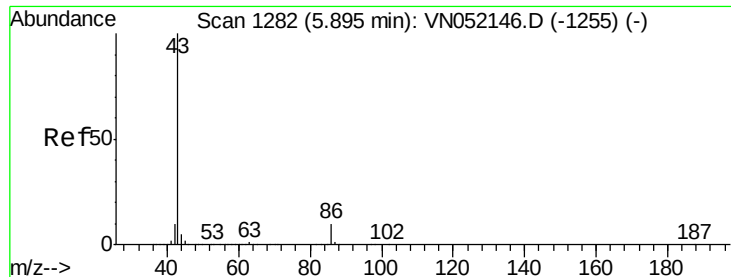
MMDadoda
11/6/2018 9:59:49 AM



#22
Diisopropyl ether
Concen: 20.455 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052145.D
Acq: 5 Nov 2018 13:36

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.3	49.8	74.6
87	26.8	21.1	31.7
59	11.0	8.9	13.3





#23

Vinyl Acetate

Concen: 106.786 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN052145.D

Acq: 5 Nov 2018 13:36

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 845419

Ion Ratio Lower Upper

43 100

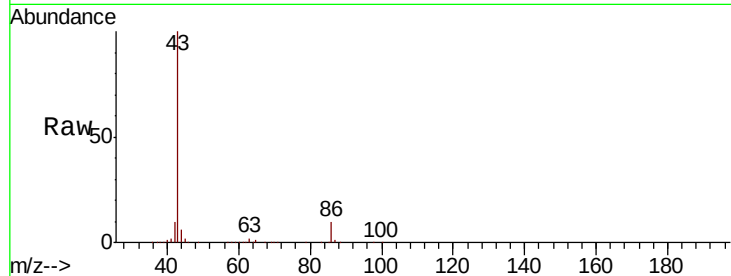
86 10.2 7.9 11.9

Manual Integrations

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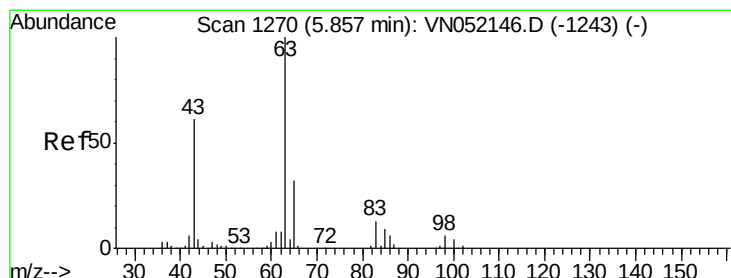
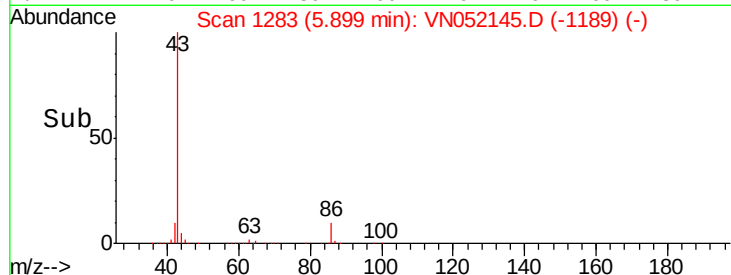
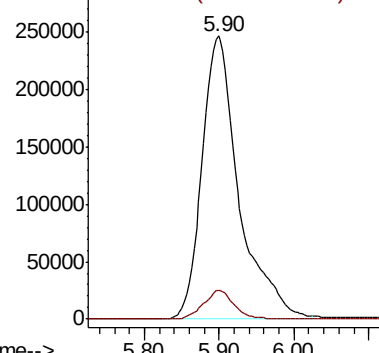
MMDadoda

11/6/2018 9:59:49 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.378 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VN052145.D

Acq: 5 Nov 2018 13:36

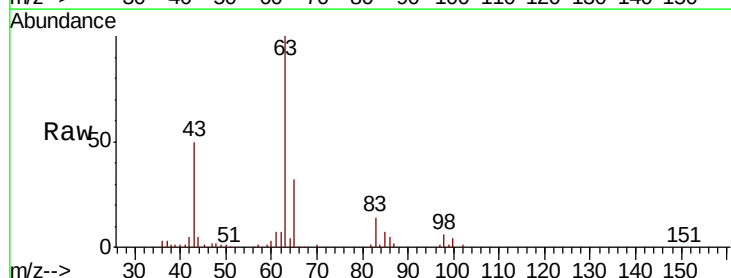
Tgt Ion: 63 Resp: 138754

Ion Ratio Lower Upper

63 100

98 5.5 3.1 9.4

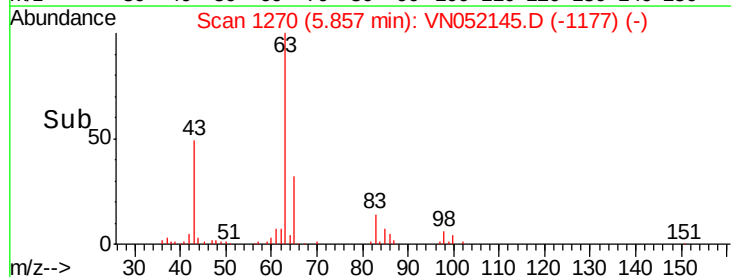
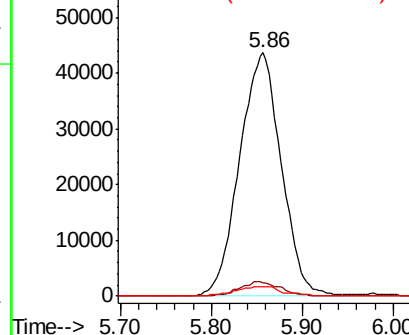
100 4.0 2.1 6.2

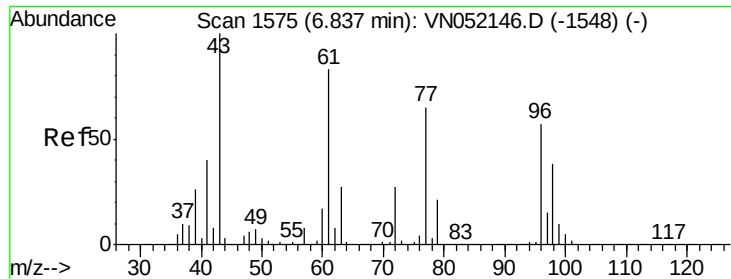


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 110.977 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN052145.D

Acq: 5 Nov 2018 13:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 164170

Ion Ratio Lower Upper

43 100

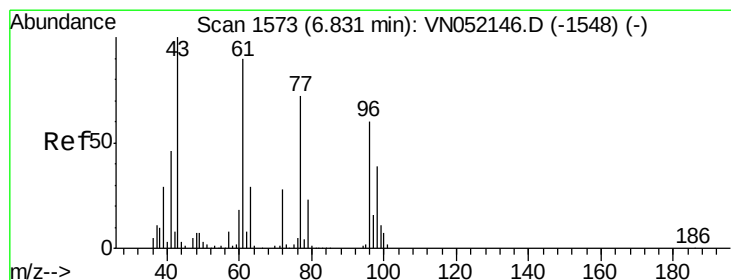
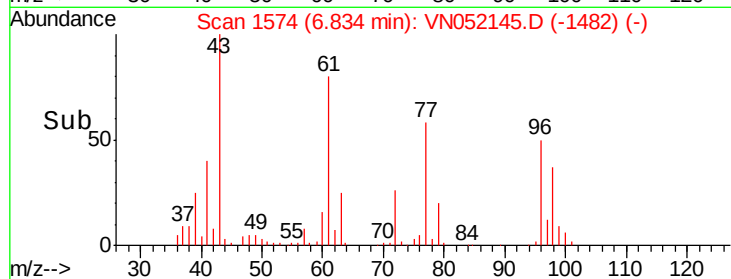
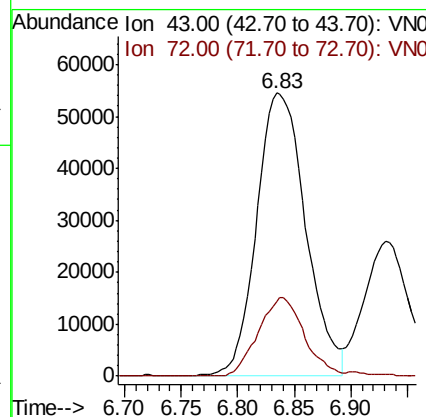
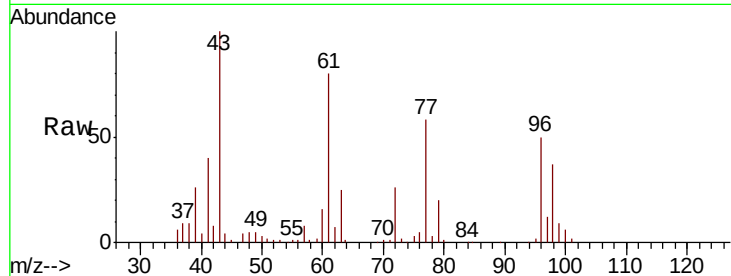
72 26.4 21.4 32.2

Manual Integrations

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11/6/2018 9:59:49 AM



#26

2,2-Dichloropropane

Concen: 19.905 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN052145.D

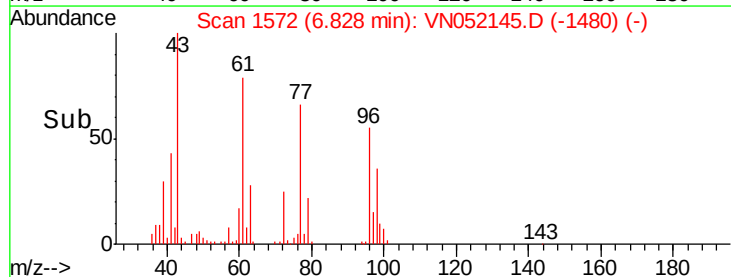
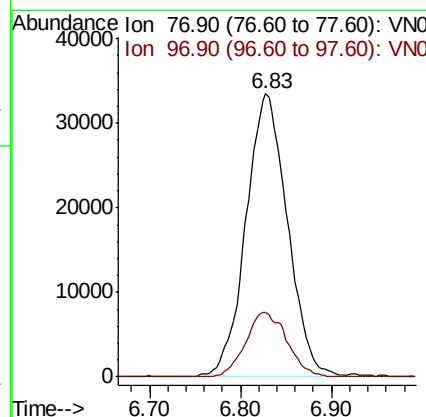
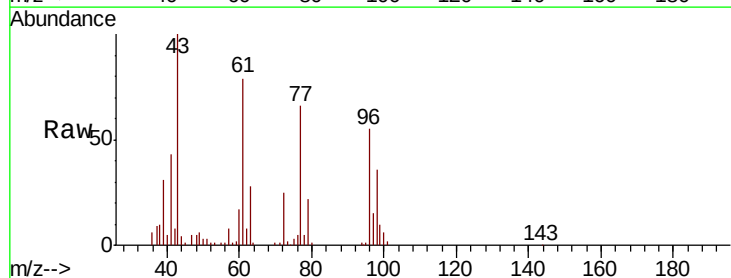
Acq: 5 Nov 2018 13:36

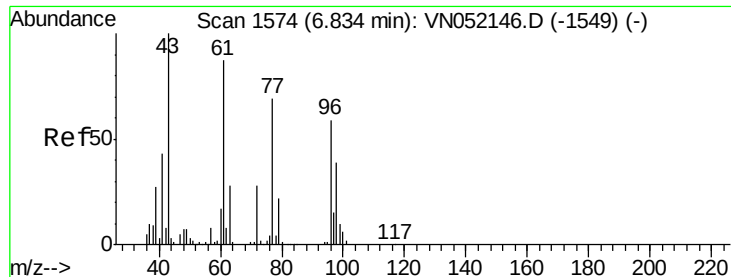
Tgt Ion: 77 Resp: 106005

Ion Ratio Lower Upper

77 100

97 22.7 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 20.337 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052145.D

Acq: 5 Nov 2018 13:36

Instrument :

MSVOA_N

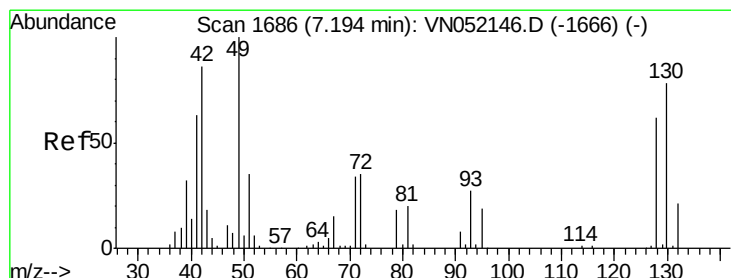
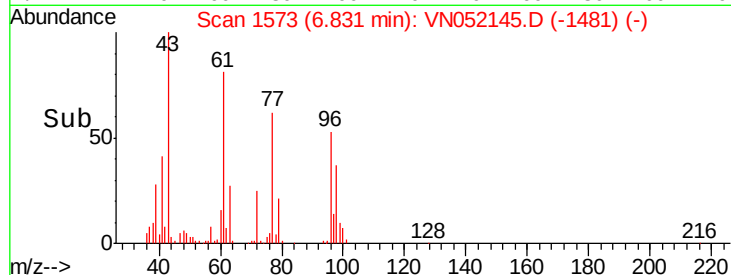
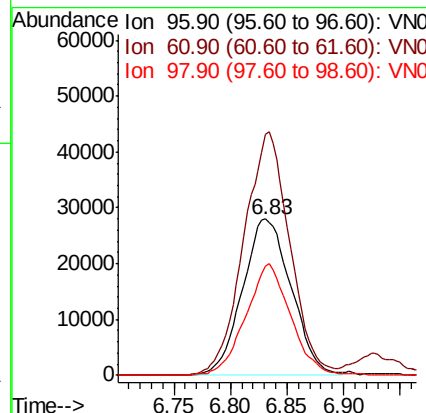
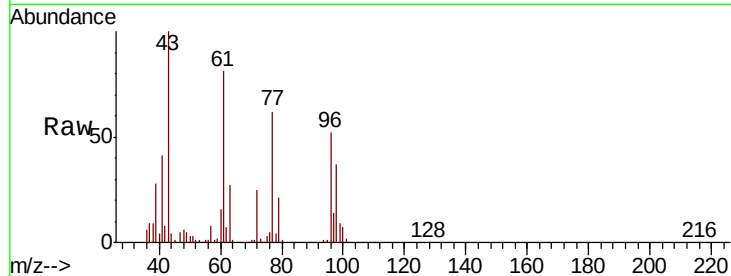
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	83932
Ion	Ratio	Lower	Upper
96	100		
61	146.9	0.0	291.8
98	65.2	0.0	130.0

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#28

Bromochloromethane

Concen: 20.235 ug/l

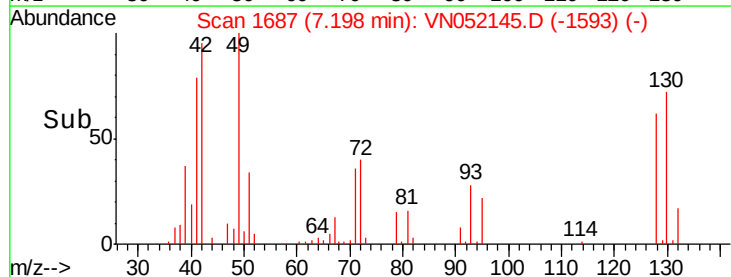
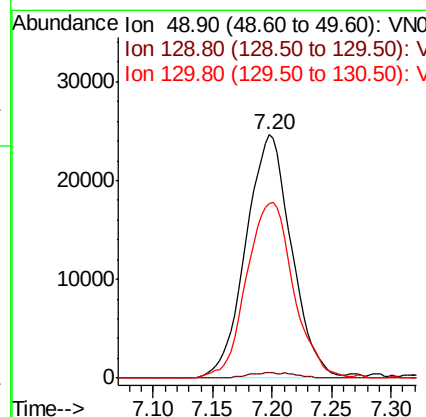
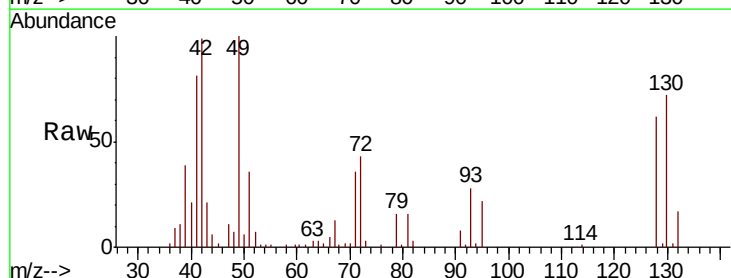
RT: 7.20 min Scan# 1687

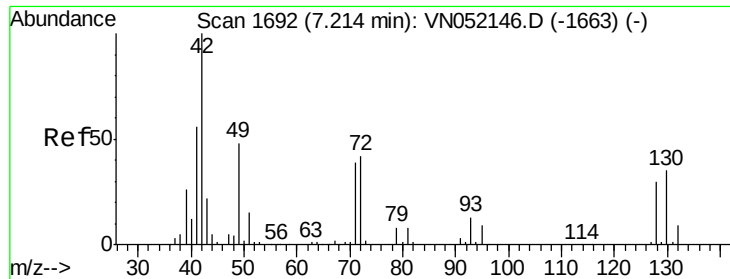
Delta R.T. 0.00 min

Lab File: VN052145.D

Acq: 5 Nov 2018 13:36

Tgt Ion:	49	Resp:	65229
Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	4.4
130	74.4	59.8	89.6





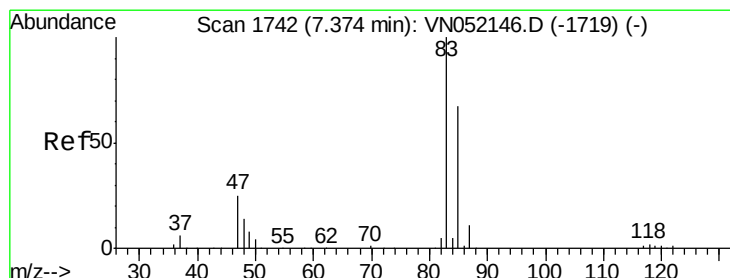
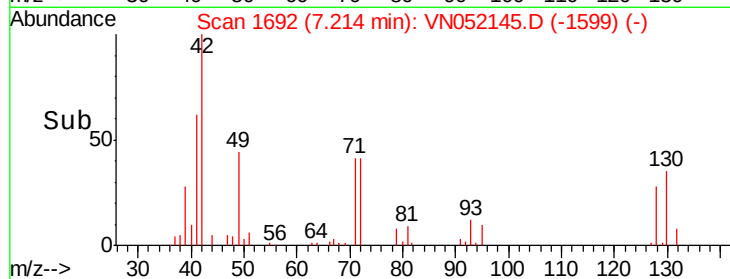
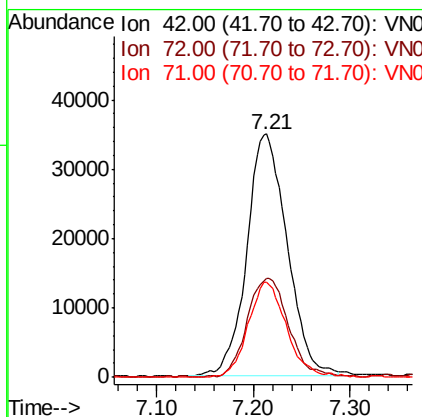
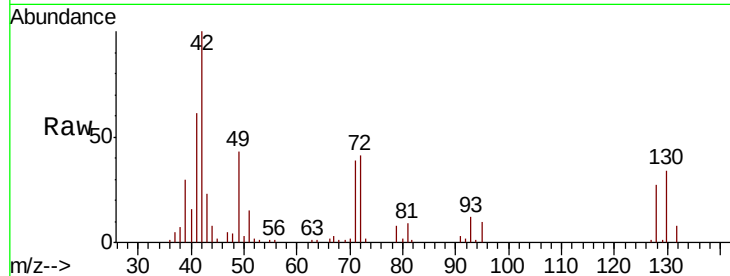
#29
Tetrahydrofuran
Concen: 110.406 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052145.D
Acq: 5 Nov 2018 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	32.3	48.5
71	37.0	31.0	46.6

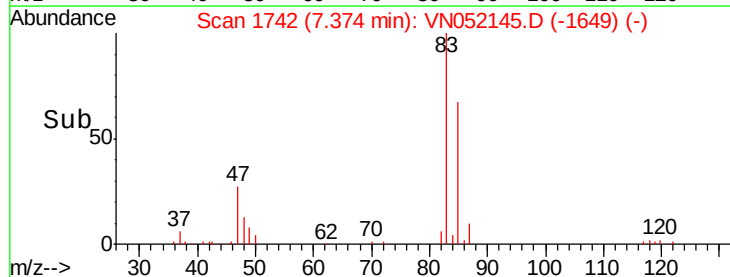
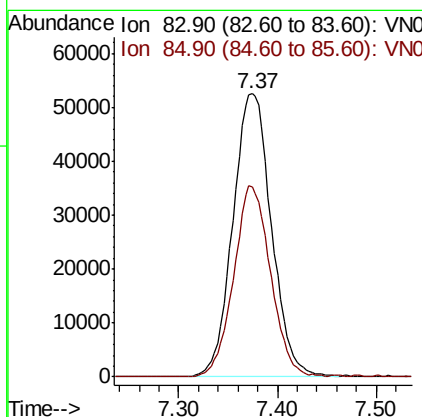
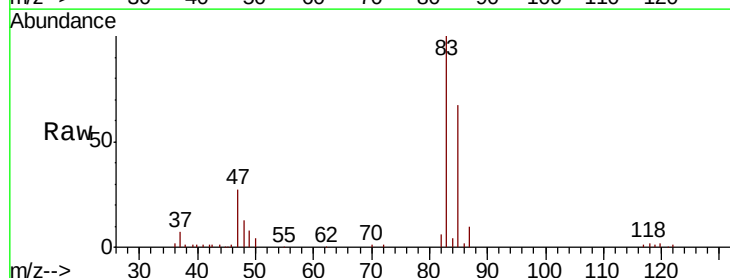
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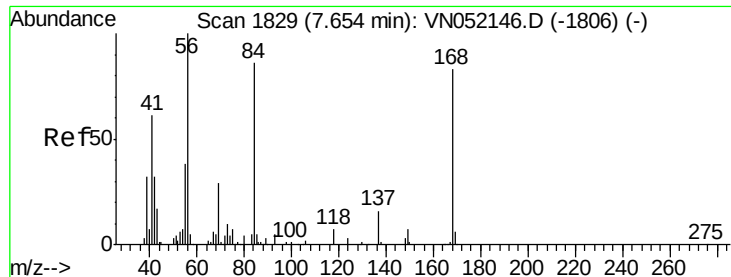
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#30
Chloroform
Concen: 20.948 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052145.D
Acq: 5 Nov 2018 13:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.2	53.7	80.5





#31

Cyclohexane

Concen: 17.423 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN052145.D

Acq: 5 Nov 2018 13:36

Instrument :

MSVOA_N

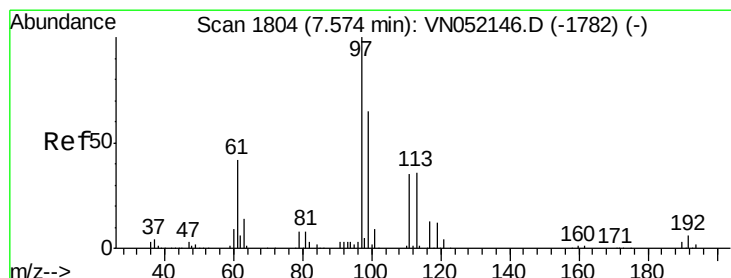
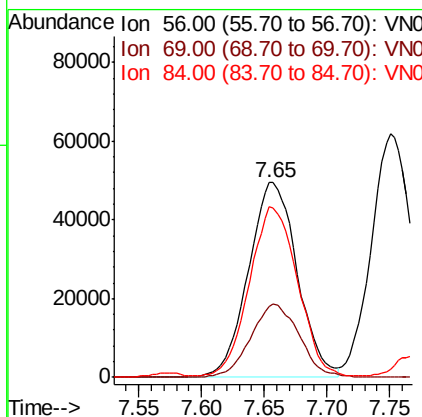
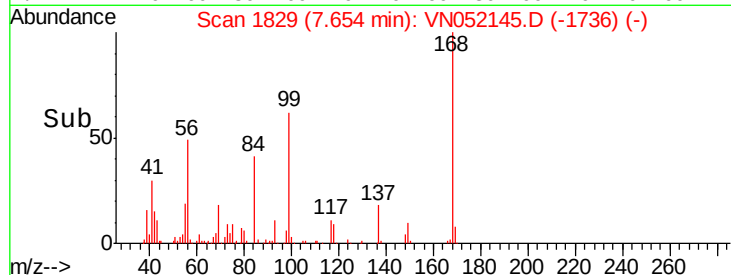
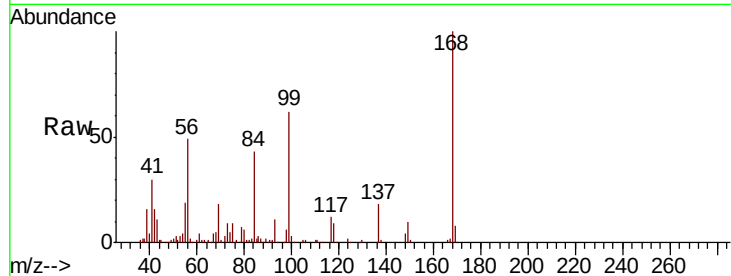
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	133944
Ion	Ratio	Lower	Upper
56	100		
69	36.6	23.5	35.3#
84	86.9	68.7	103.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.035 ug/l

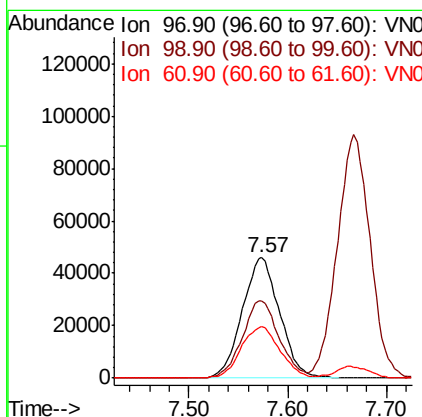
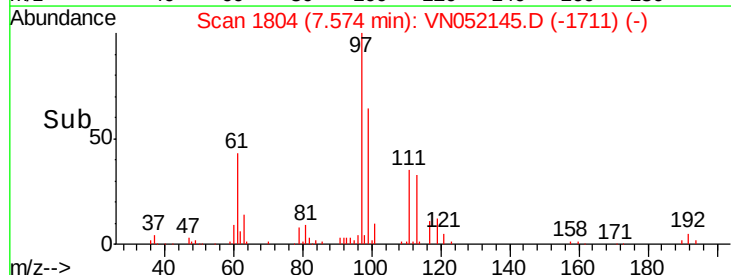
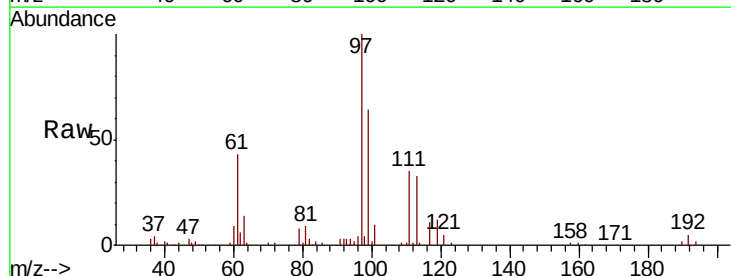
RT: 7.57 min Scan# 1804

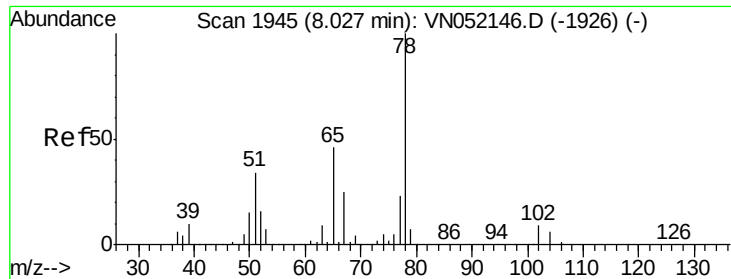
Delta R.T. 0.00 min

Lab File: VN052145.D

Acq: 5 Nov 2018 13:36

Tgt Ion:	97	Resp:	120505
Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.6	77.4
61	44.4	35.1	52.7





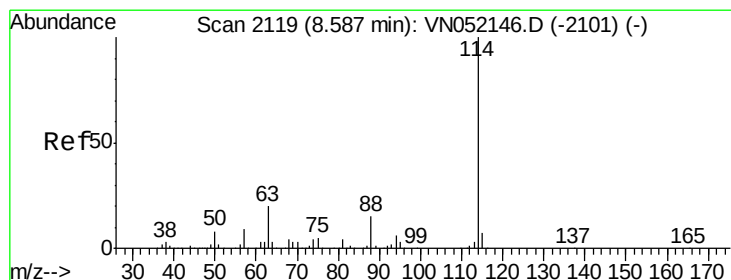
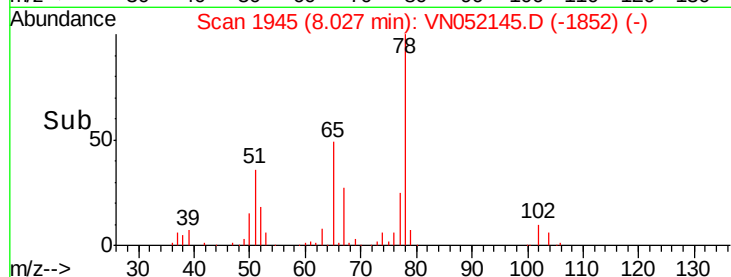
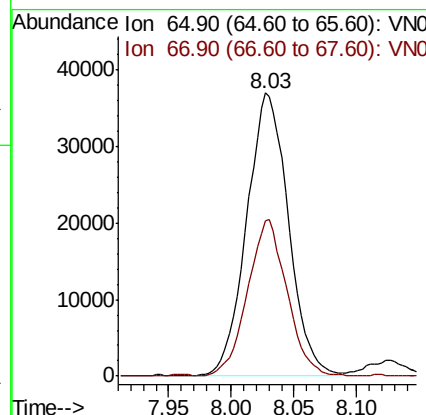
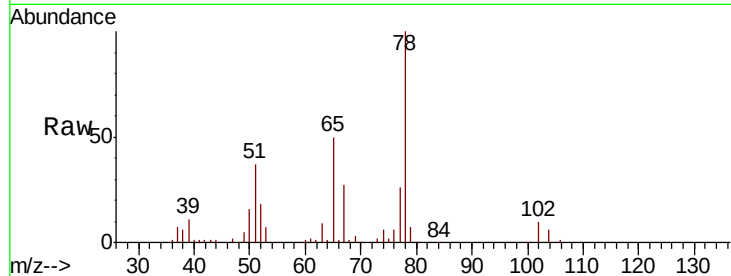
#33
 1,2-Dichloroethane-d4
 Concen: 20.035 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052145.D
 Acq: 5 Nov 2018 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	107.6

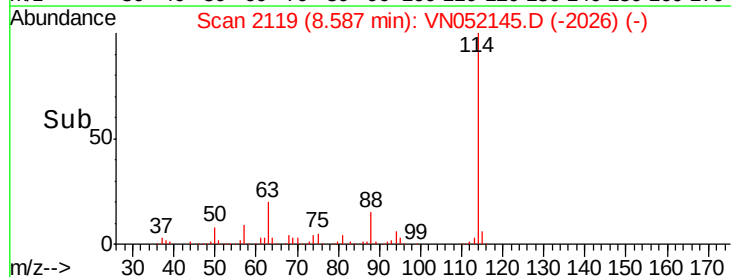
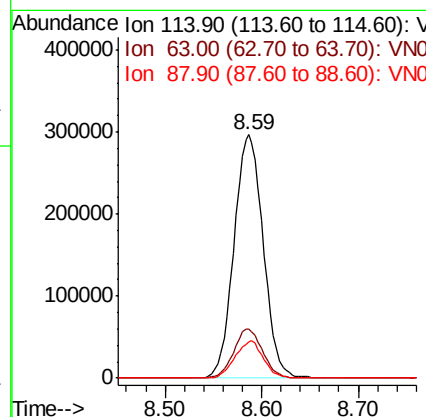
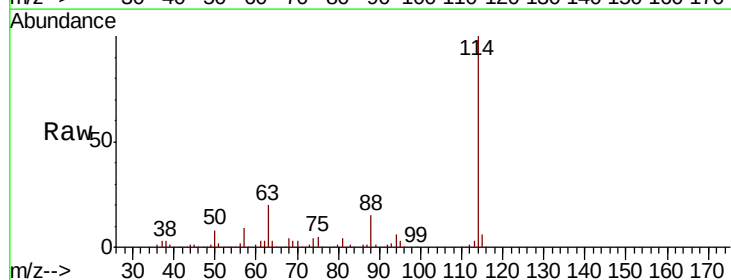
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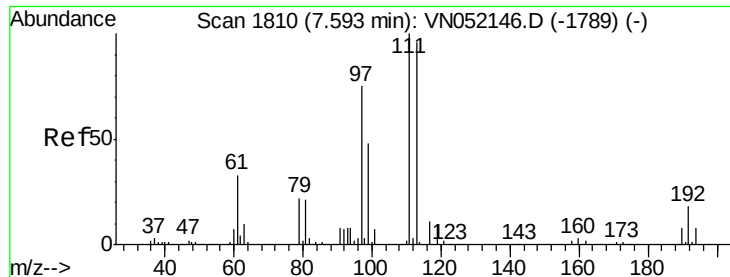
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052145.D
 Acq: 5 Nov 2018 13:36

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	40.0
88	15.0	0.0	31.0





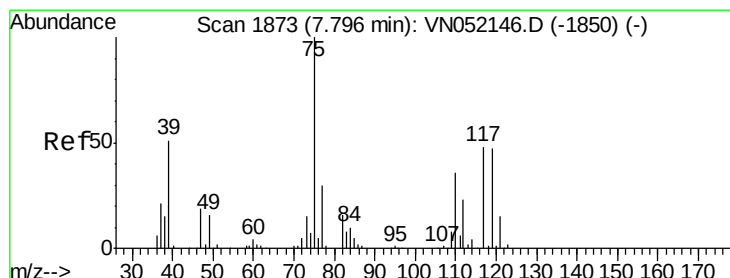
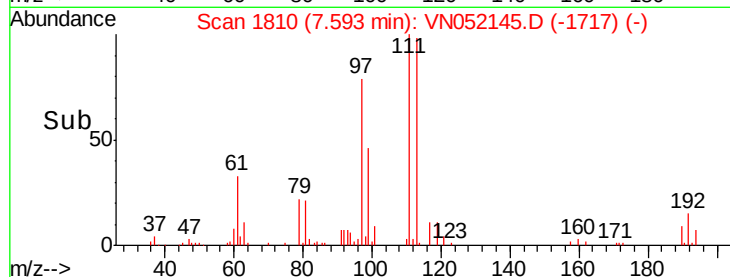
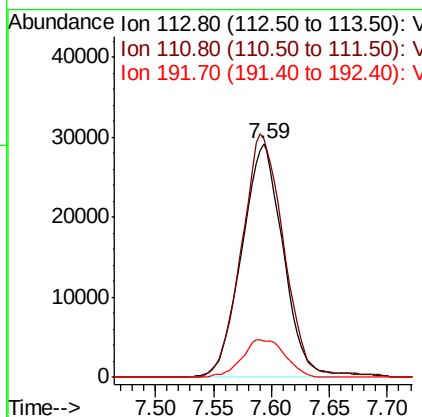
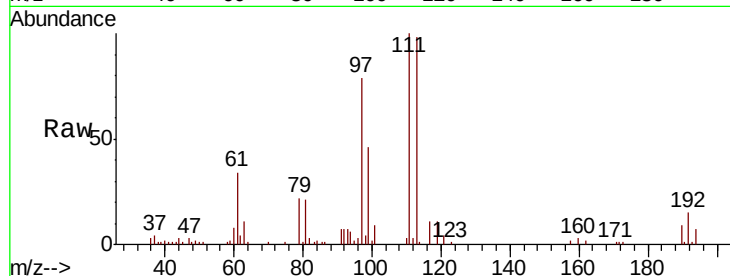
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN052145.D
Acq: 5 Nov 2018 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	106.0	81.7	122.5
192	16.8	14.2	21.4

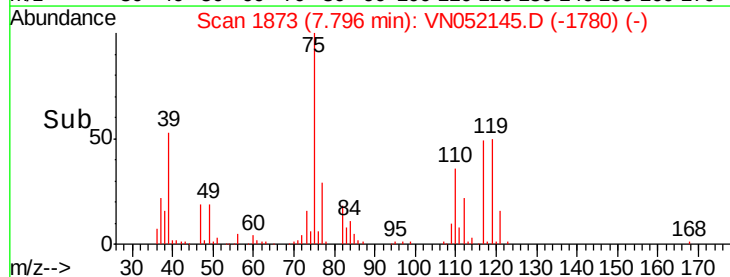
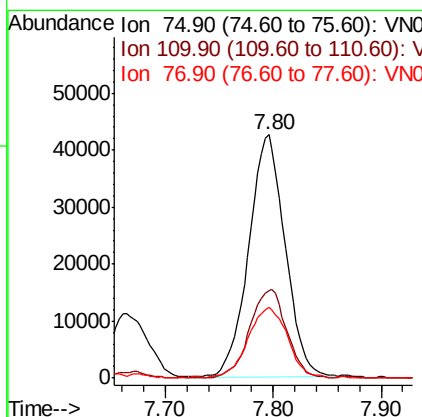
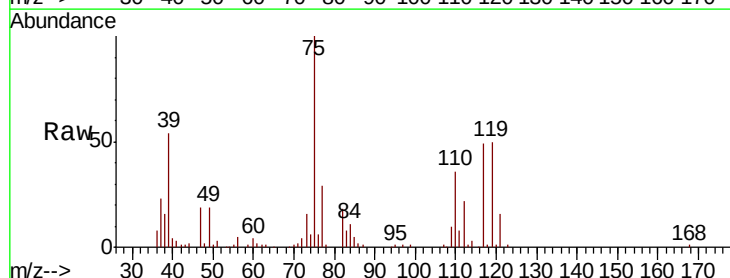
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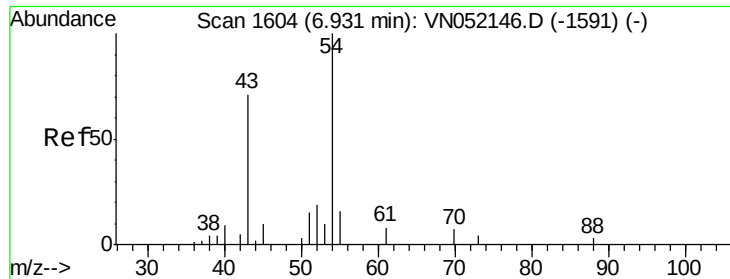
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#36
1,1-Dichloropropene
Concen: 18.141 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN052145.D
Acq: 5 Nov 2018 13:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.0	17.8	53.5
77	31.8	24.0	36.0





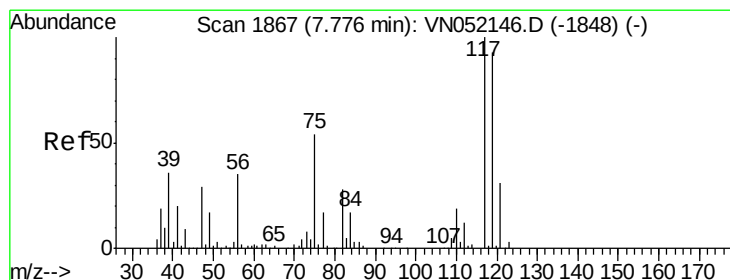
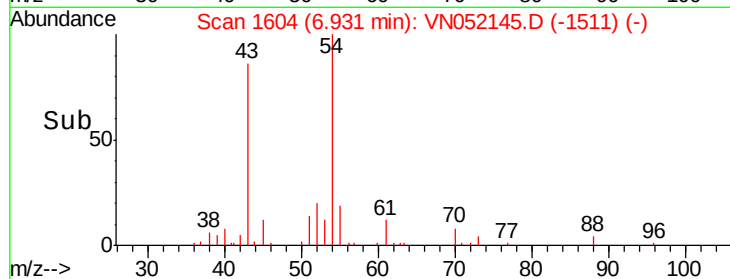
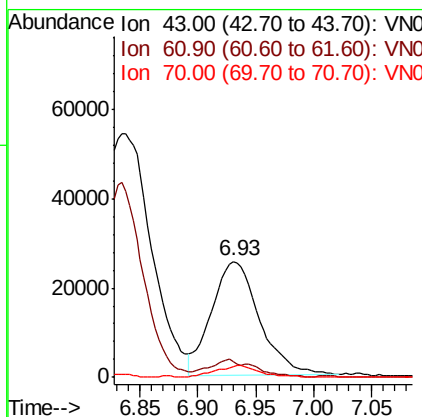
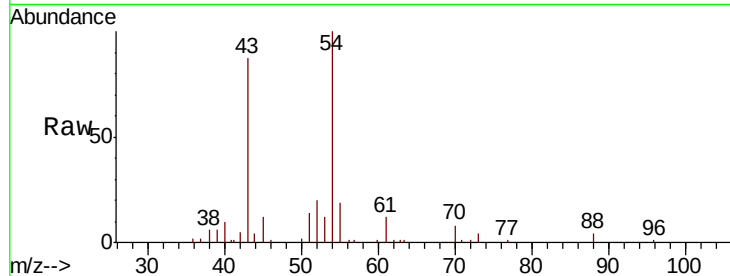
#37
Ethyl Acetate
Concen: 21.212 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052145.D
Acq: 5 Nov 2018 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	13.9	9.4	14.2	
70	9.2	7.6	11.4	

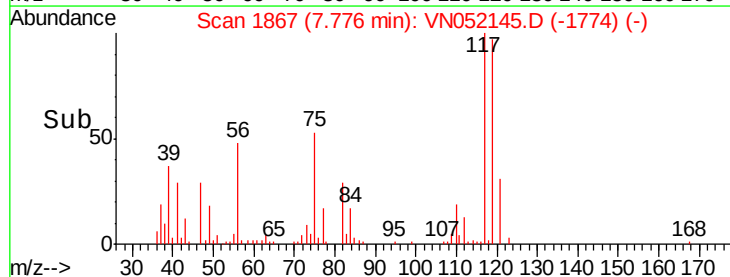
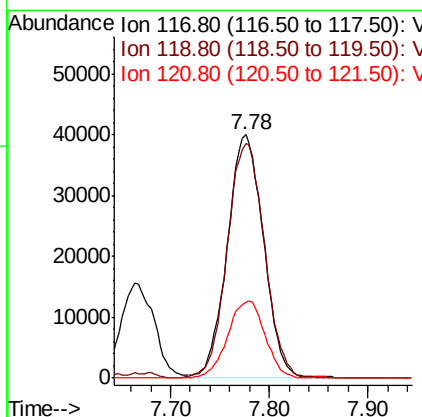
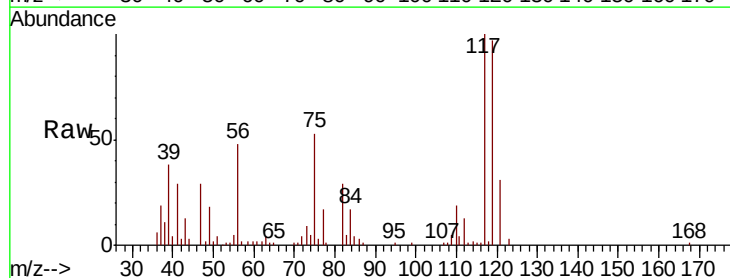
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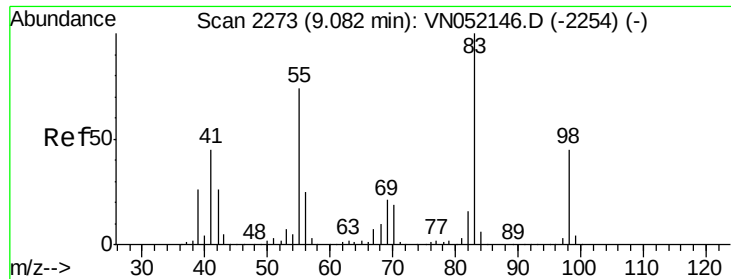
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.766 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052145.D
Acq: 5 Nov 2018 13:36

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	96.6	74.7	112.1	
121	31.0	24.5	36.7	





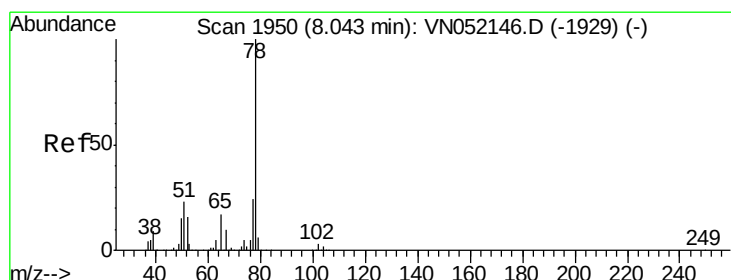
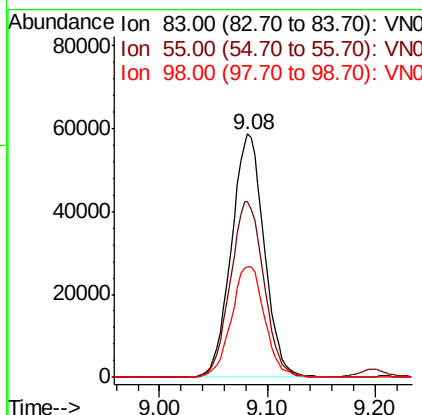
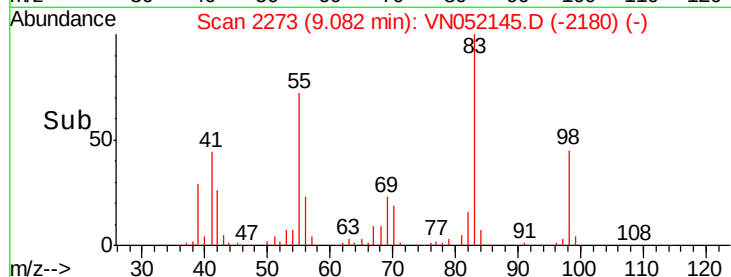
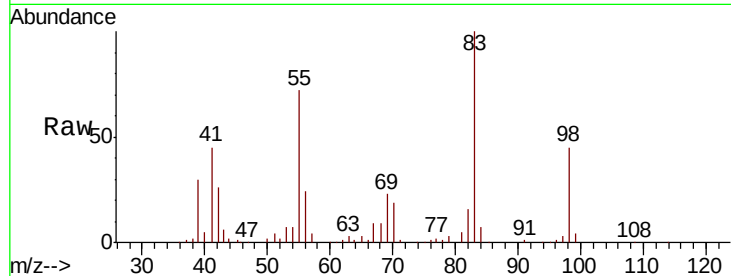
#39
Methylvlcyclohexane
Concen: 19.115 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052145.D
Acq: 5 Nov 2018 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	124349		
55	72.0		59.4	89.2
98	45.2		36.3	54.5

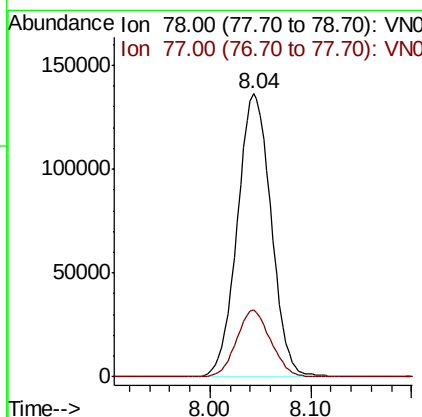
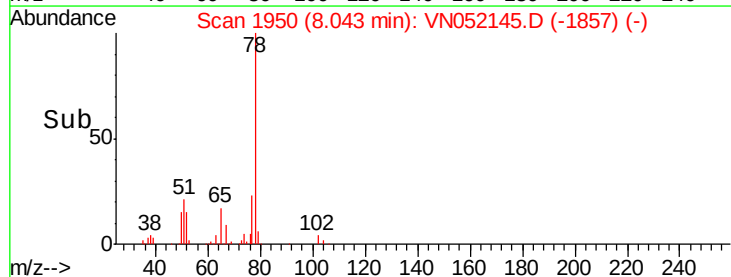
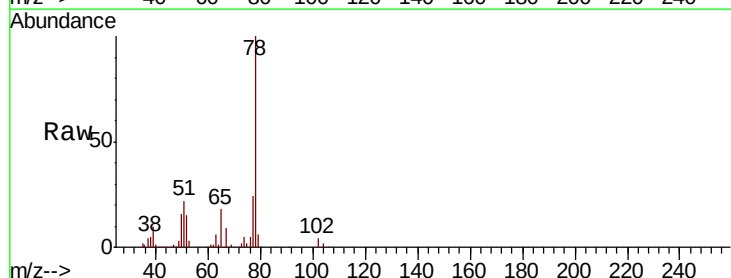
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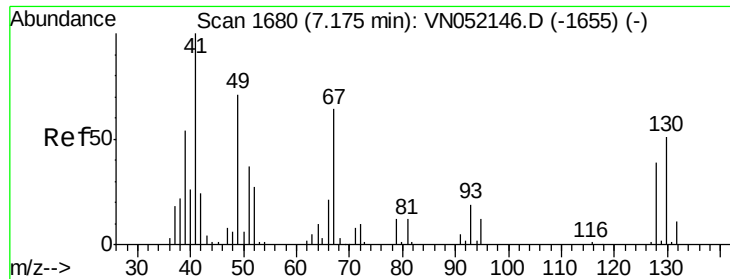
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#40
Benzene
Concen: 19.612 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052145.D
Acq: 5 Nov 2018 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	316667		
77	23.7		19.1	28.7





#41

Methacrylonitrile

Concen: 19.402 ug/l m

RT: 7.18 min Scan# 1682

Delta R.T. 0.01 min

Lab File: VN052145.D

Acq: 5 Nov 2018 13:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 34492
Ion Ratio Lower Upper

41 100

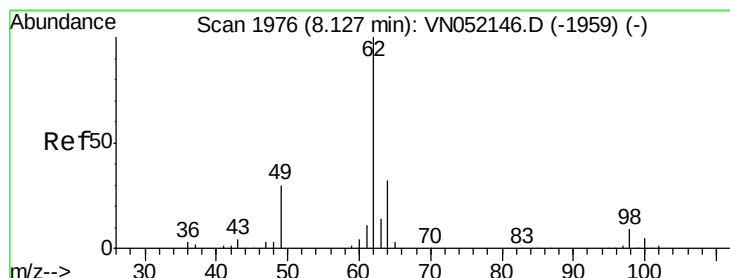
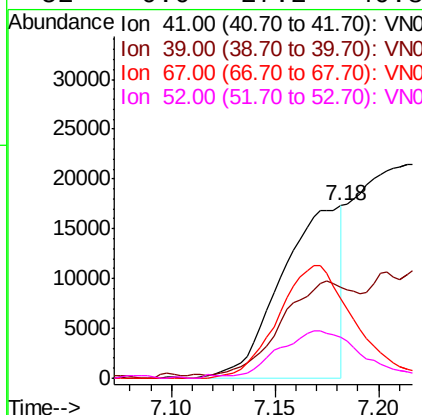
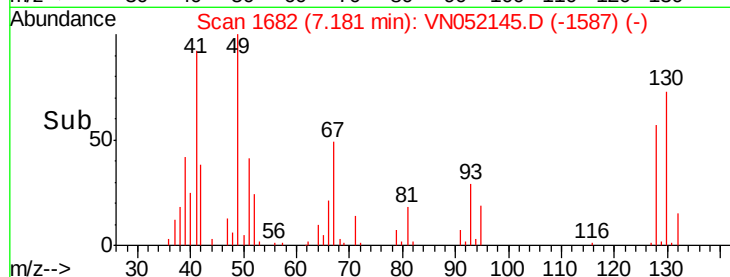
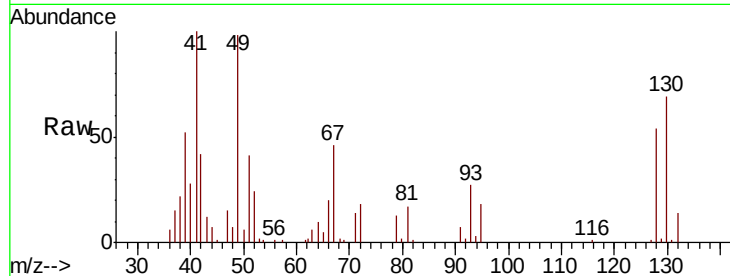
39 0.0 49.6 74.4#

67 0.0 65.4 98.2#

52 0.0 27.2 40.8#

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#42

1,2-Dichloroethane

Concen: 20.068 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

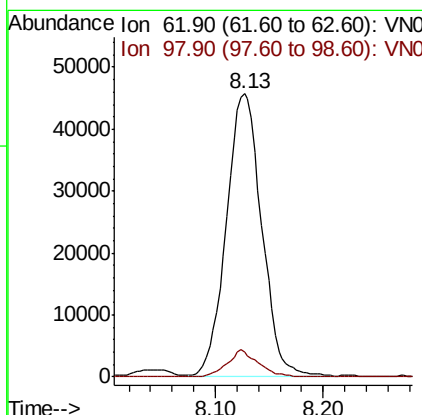
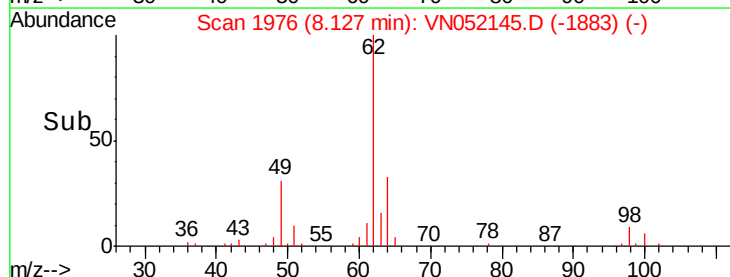
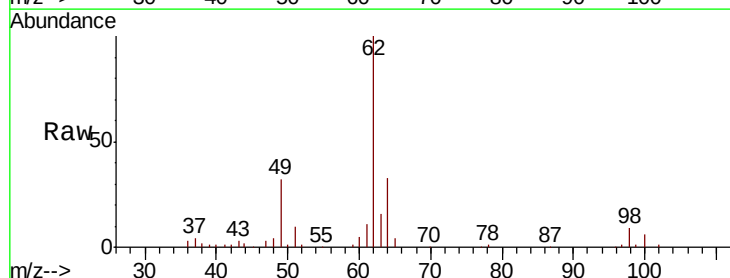
Lab File: VN052145.D

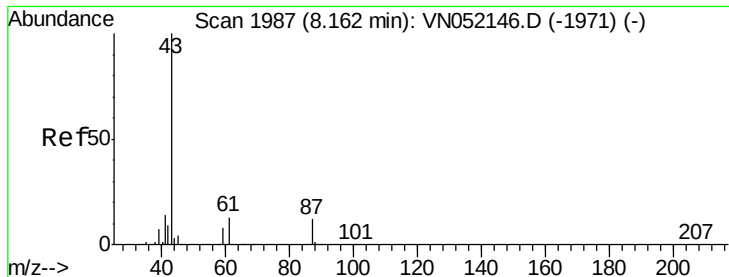
Acq: 5 Nov 2018 13:36

Tgt Ion: 62 Resp: 104166
Ion Ratio Lower Upper

62 100

98 8.2 0.0 18.2





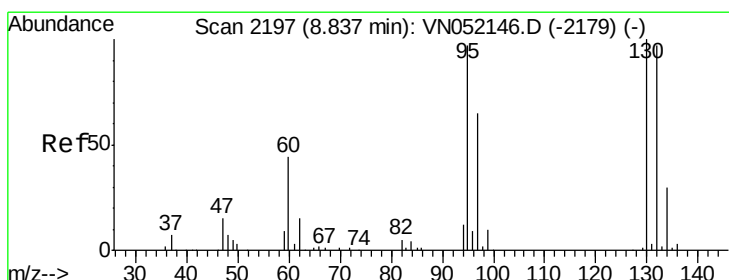
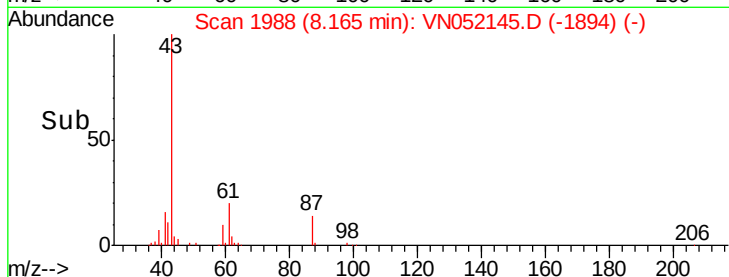
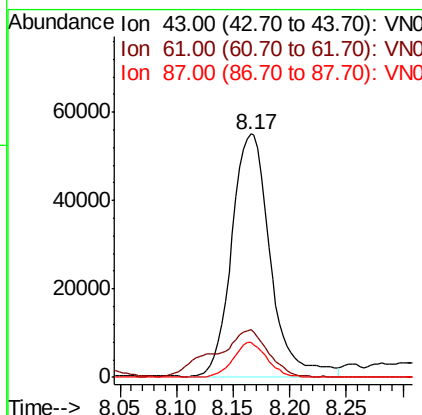
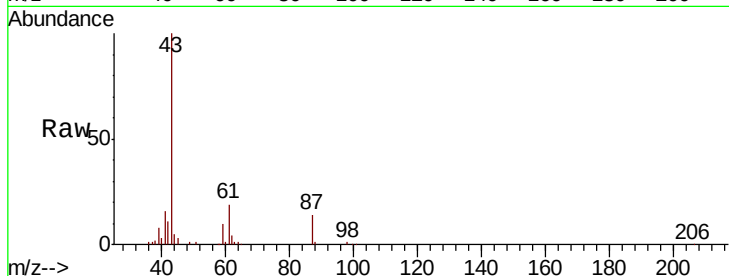
#43
Isopropyl Acetate
Concen: 20.679 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052145.D
Acq: 5 Nov 2018 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.2	21.5	32.3
87	12.8	10.2	15.2

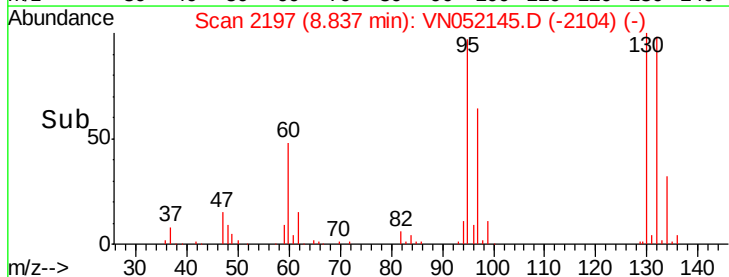
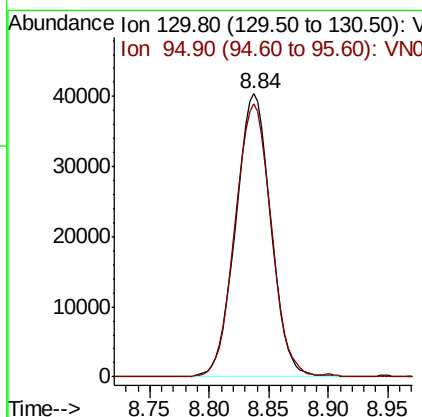
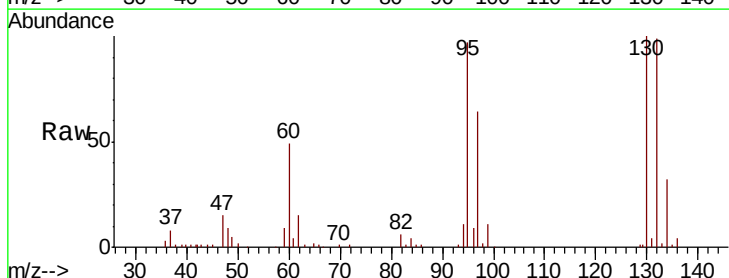
Manual Integrations
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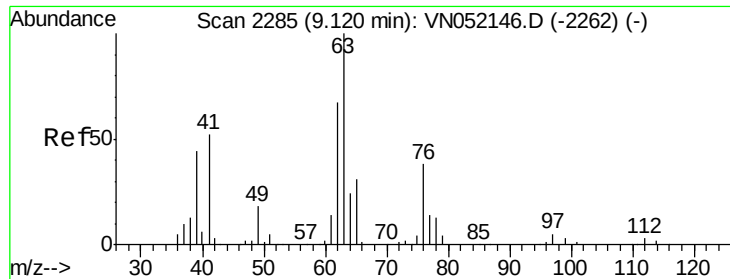
MMDadoda
11/6/2018 9:59:49 AM



#44
Trichloroethene
Concen: 19.346 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN052145.D
Acq: 5 Nov 2018 13:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	193.8





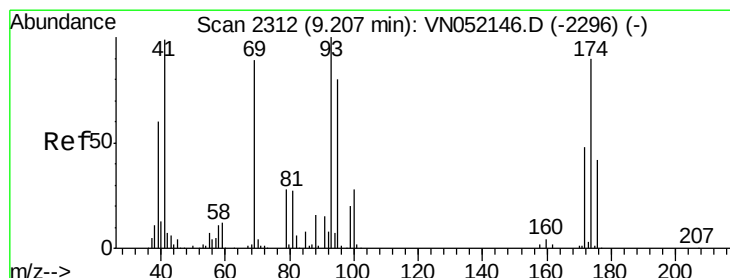
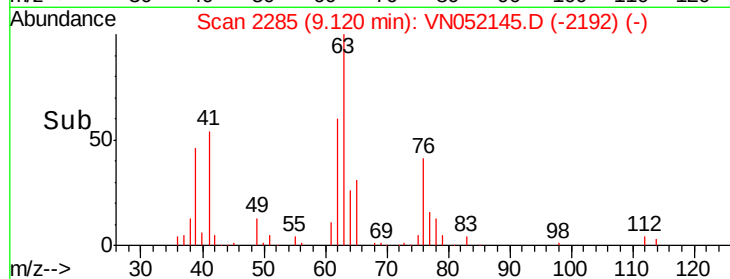
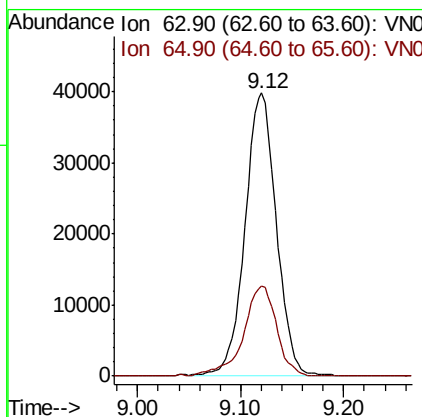
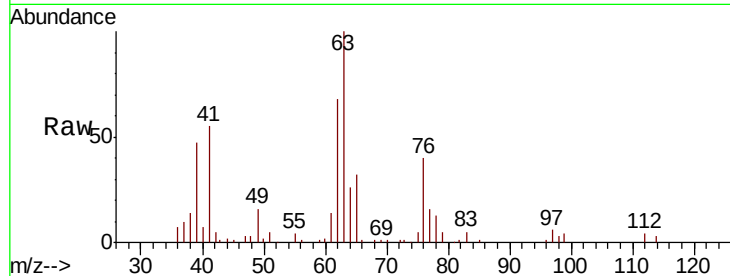
#45
 1,2-Dichloropropane
 Concen: 19.659 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052145.D
 Acq: 5 Nov 2018 13:36

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion: 63 Resp: 84066
 Ion Ratio Lower Upper
 63 100
 65 31.9 24.4 36.6

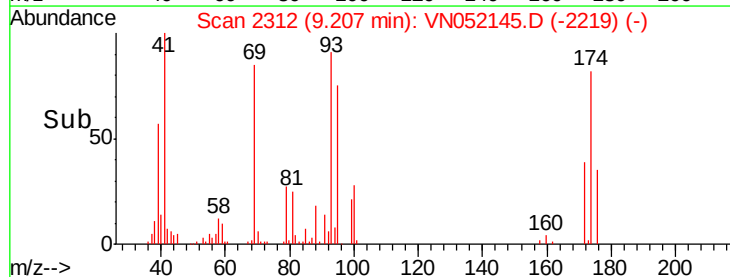
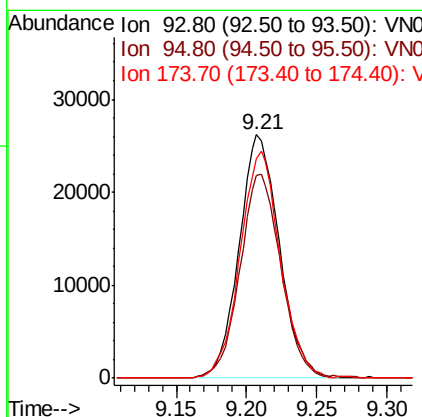
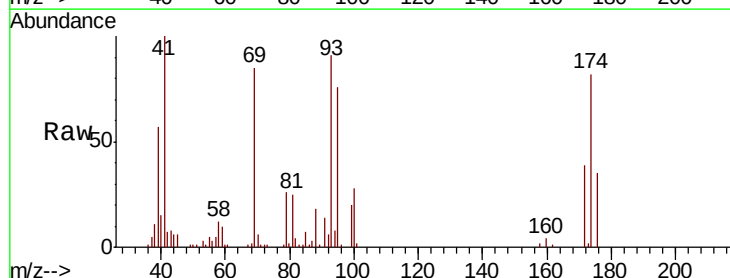
Manual Integrations
 APPROVED

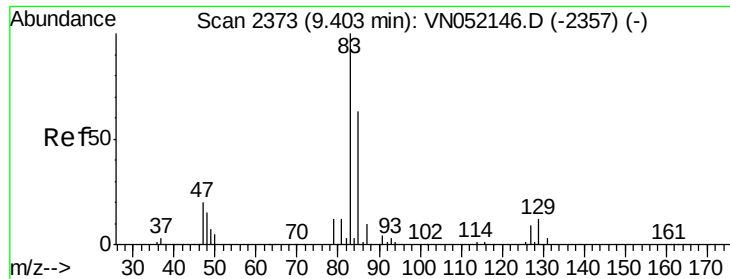
MMDadoda
 11/6/2018 9:59:49 AM



#46
 Dibromomethane
 Concen: 19.253 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN052145.D
 Acq: 5 Nov 2018 13:36

Tgt Ion: 93 Resp: 52358
 Ion Ratio Lower Upper
 93 100
 95 84.6 64.5 96.7
 174 93.0 74.6 112.0





#47

Bromodichloromethane

Concen: 19.582 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052145.D

Acq: 5 Nov 2018 13:36

Instrument :

MSVOA_N

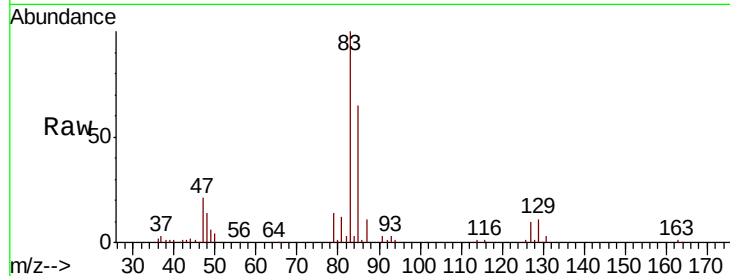
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	103859
Ion Ratio	Lower	Upper	
83	100		
85	65.0	50.5	75.7
127	9.7	7.2	10.8

Manual Integrations
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MMDadoda
11/6/2018 9:59:49 AM

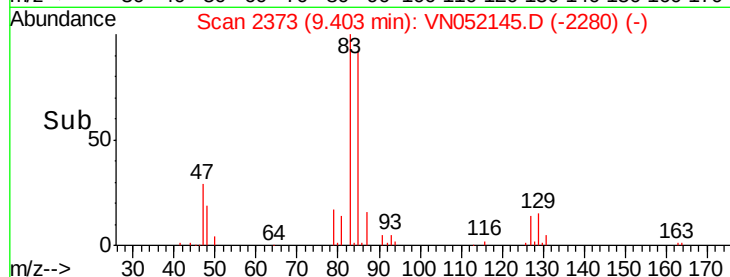


Abundance Ion 82.90 (82.60 to 83.60): VN052145.D (-2357) (-)

Ion 84.90 (84.60 to 85.60): VN052145.D (-2357) (-)

Ion 126.80 (126.50 to 127.50): VN052145.D (-2357) (-)

Time-->



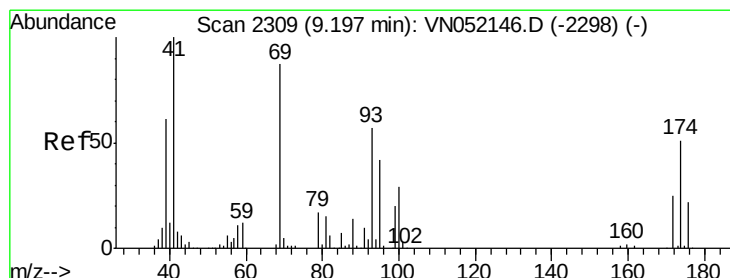
Abundance

Ion 82.90 (82.60 to 83.60): VN052145.D (-2357) (-)

Ion 84.90 (84.60 to 85.60): VN052145.D (-2357) (-)

Ion 126.80 (126.50 to 127.50): VN052145.D (-2357) (-)

Time-->



#48

Methyl methacrylate

Concen: 20.673 ug/l

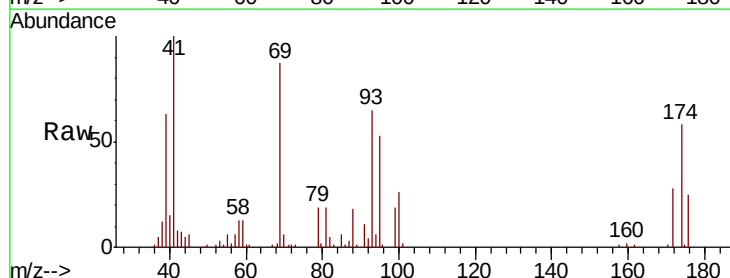
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052145.D

Acq: 5 Nov 2018 13:36

Tgt Ion:	41	Resp:	62356
Ion Ratio	Lower	Upper	
41	100		
69	88.2	69.7	104.5
39	63.3	50.6	76.0

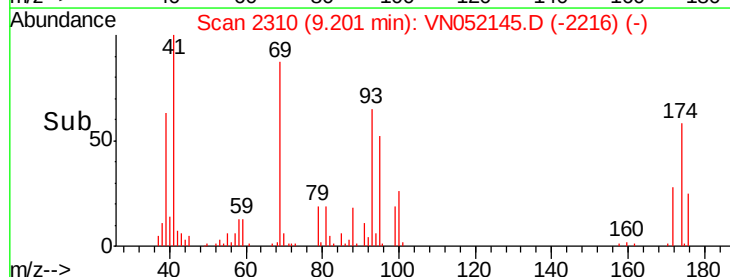


Abundance Ion 41.00 (40.70 to 41.70): VN052145.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN052145.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN052145.D (-2216) (-)

Time-->



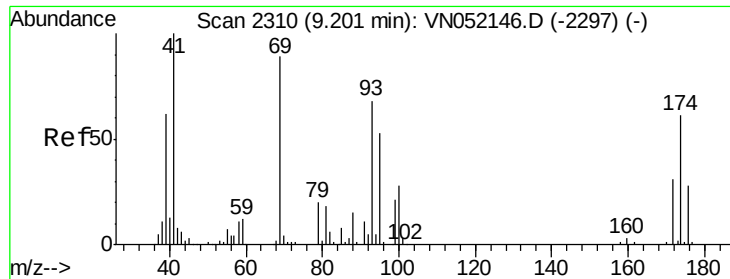
Abundance

Ion 41.00 (40.70 to 41.70): VN052145.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN052145.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN052145.D (-2216) (-)

Time-->



#49

1,4-Dioxane

Concen: 536.038 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052145.D

Acq: 5 Nov 2018 13:36

Instrument :

MSVOA_N

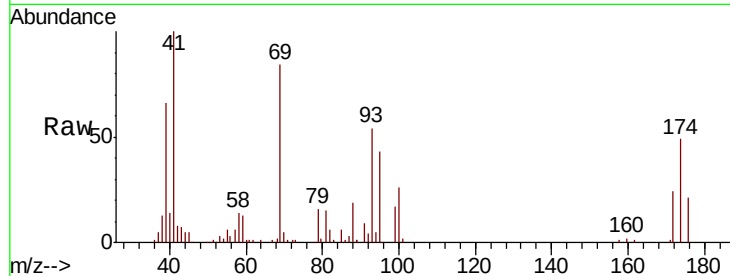
ClientSampleId :

VSTDIC020

Tot Ion	88	Resp	13050
Ion	Ratio	Lower	Upper
88	100		
43	26.9	33.0	49.6#
58	71.5	58.6	88.0

Manual Integrations
APPROVED

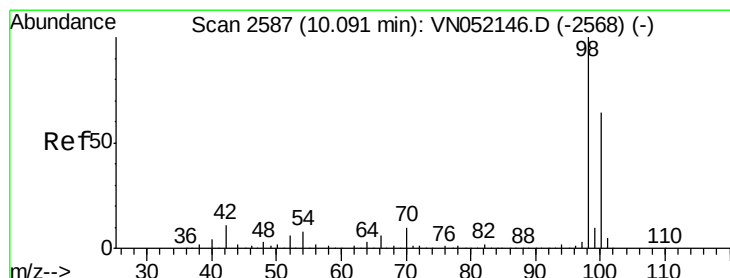
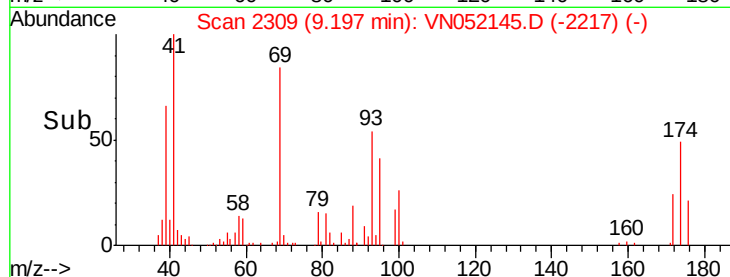
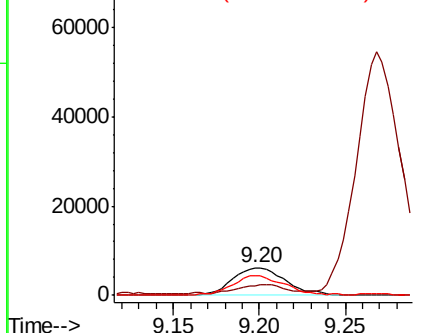
MMDadoda
11/6/2018 9:59:49 AM



Abundance Ion 88.00 (87.70 to 88.70): VN052146.D (-2297) (-)

Ion 43.00 (42.70 to 43.70): VN052146.D (-2297) (-)

Ion 58.00 (57.70 to 58.70): VN052146.D (-2297) (-)



#50

Toluene-d8

Concen: 536.038 ug/l

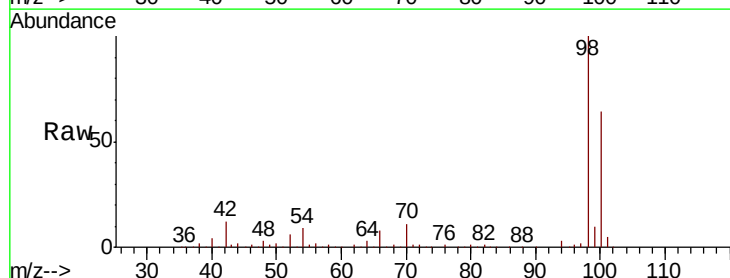
RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052145.D

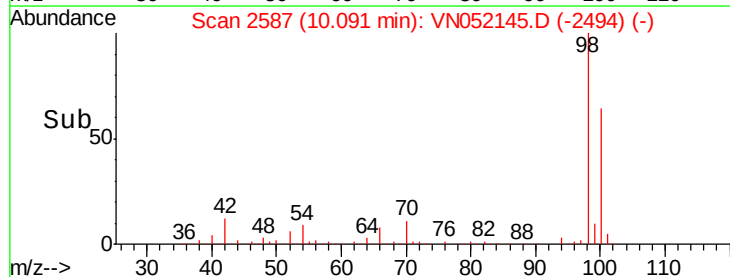
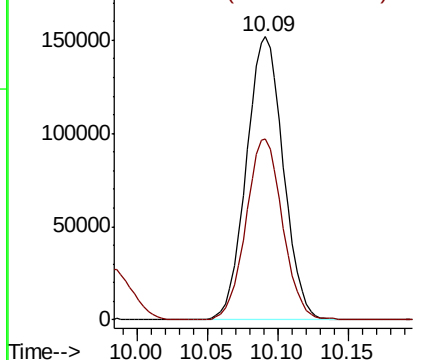
Acq: 5 Nov 2018 13:36

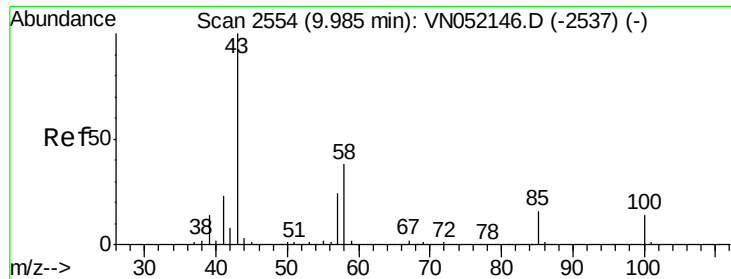
Tgt Ion	98	Resp	278445
Ion	Ratio	Lower	Upper
98	100		
100	63.0	50.5	75.7



Abundance Ion 98.00 (97.70 to 98.70): VN052146.D (-2568) (-)

Ion 100.00 (99.70 to 100.70): VN052146.D (-2568) (-)





#51

4-Methyl-2-Pentanone

Concen: 108.879 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052145.D

Acq: 5 Nov 2018 13:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 360496

Ion Ratio Lower Upper

43 100

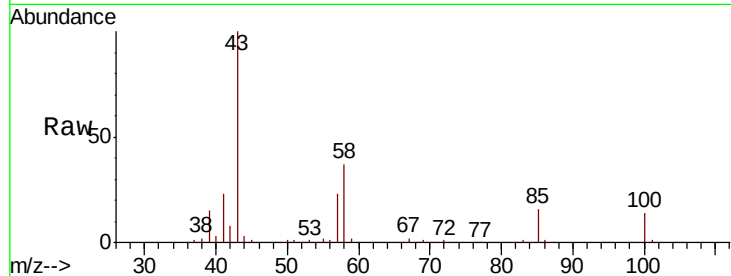
58 37.2 29.6 44.4

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Abundance Ion 43.00 (42.70 to 43.70): VN052146.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN052146.D (-2537) (-)

200000

150000

100000

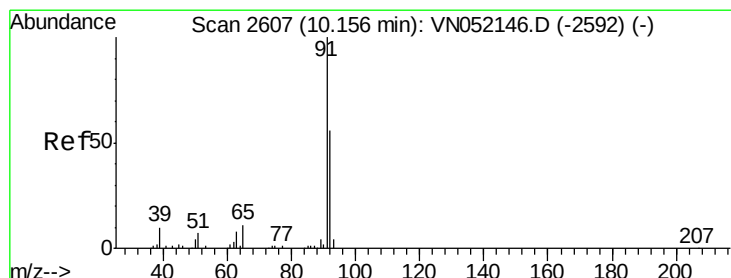
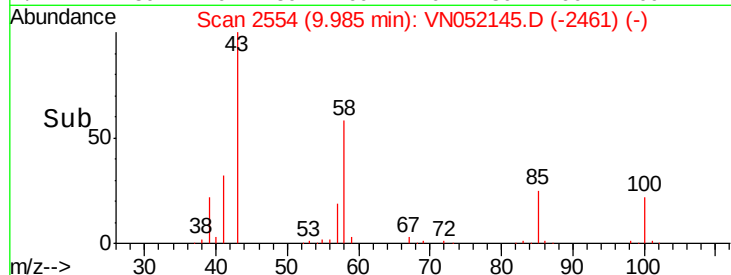
50000

0

9.90

10.00

Time-->



#52

Toluene

Concen: 19.635 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052145.D

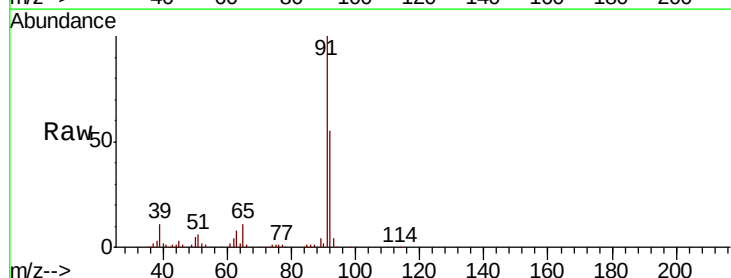
Acq: 5 Nov 2018 13:36

Tgt Ion: 92 Resp: 191189

Ion Ratio Lower Upper

92 100

91 180.0 142.5 213.7



Abundance Ion 92.00 (91.70 to 92.70): VN052146.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN052146.D (-2592) (-)

200000

150000

100000

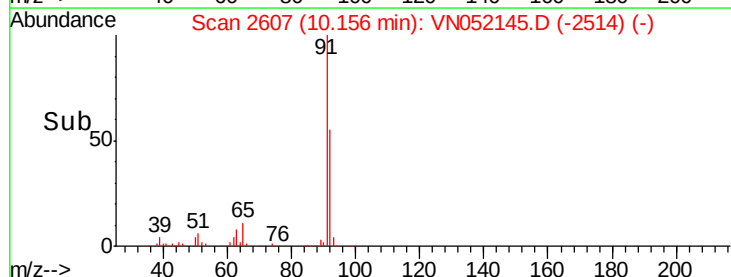
50000

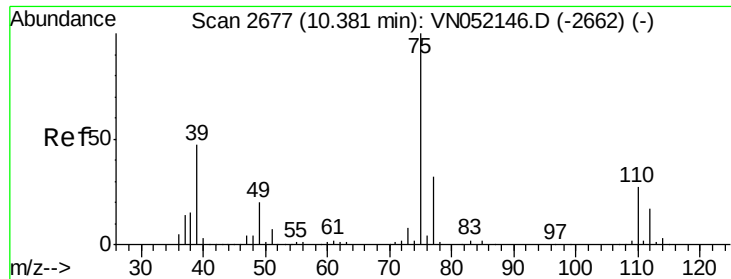
0

10.10

10.20

Time-->





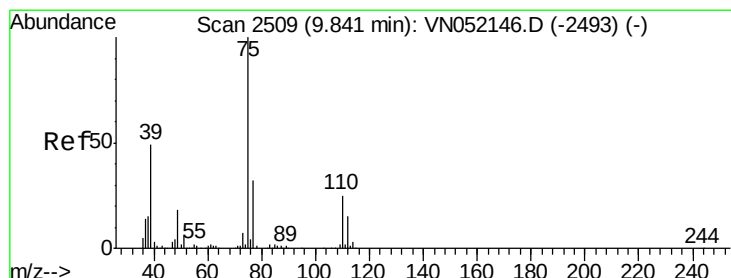
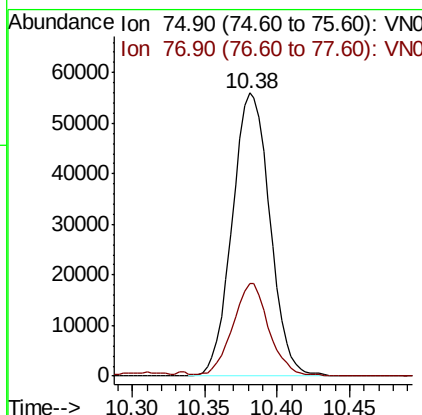
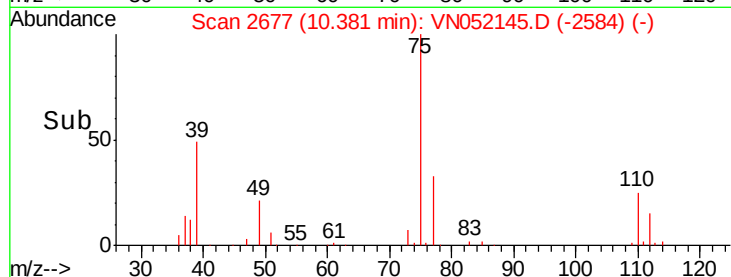
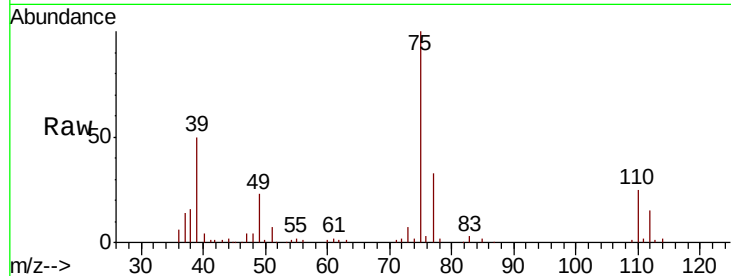
#53
t-1,3-Dichloropropene
Concen: 19.419 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN052145.D
Acq: 5 Nov 2018 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 101040
Ion Ratio Lower Upper
75 100
77 32.6 25.8 38.6

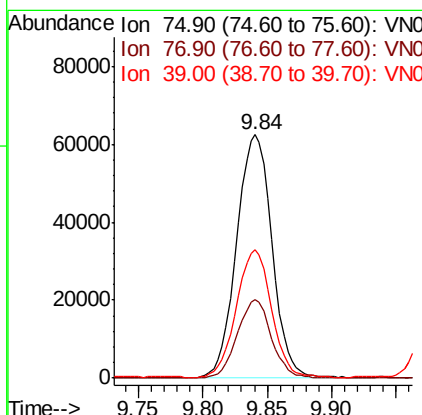
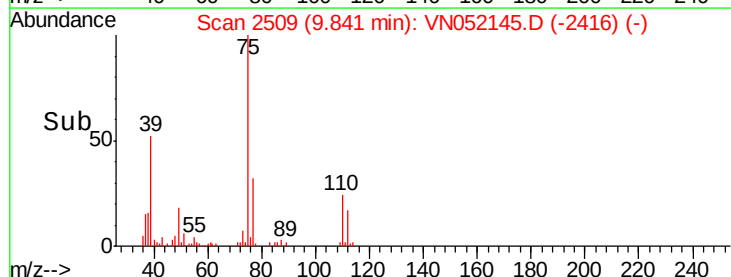
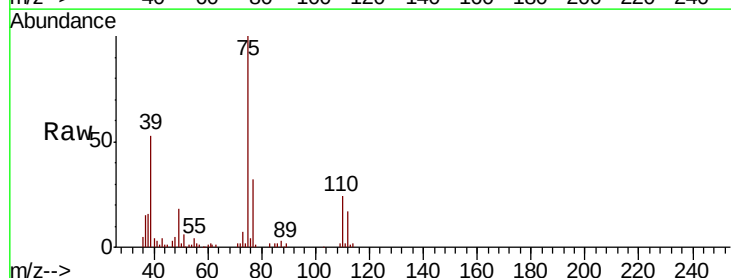
Manual Integrations
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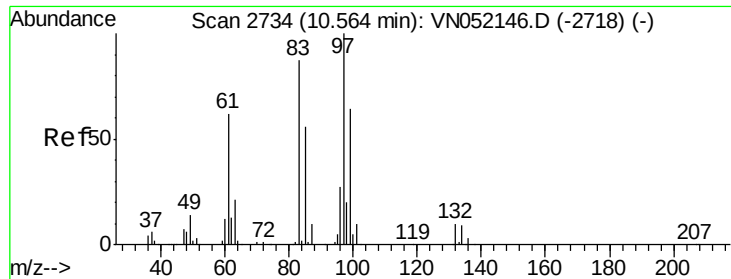
MMDadoda
11/6/2018 9:59:49 AM



#54
cis-1,3-Dichloropropene
Concen: 19.635 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052145.D
Acq: 5 Nov 2018 13:36

Tgt Ion: 75 Resp: 119546
Ion Ratio Lower Upper
75 100
77 32.2 25.8 38.8
39 52.1 39.2 58.8





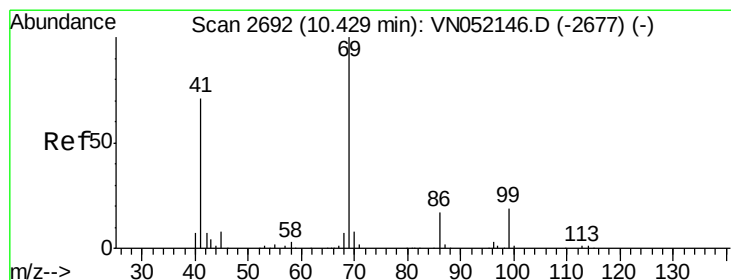
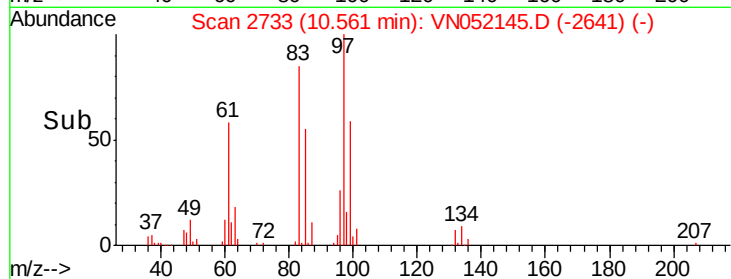
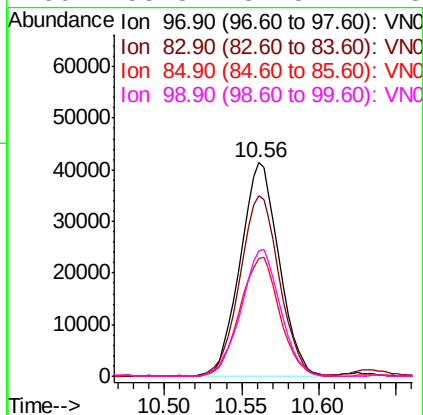
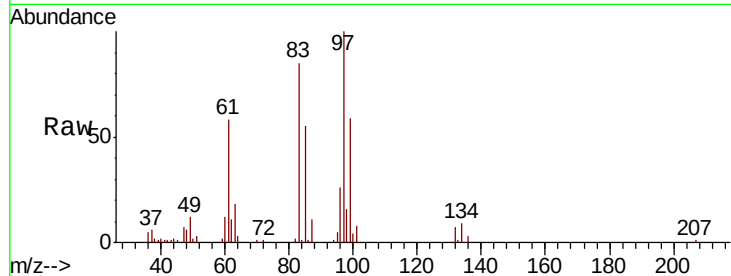
#55
 1,1,2-Trichloroethane
 Concen: 21.114 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052145.D
 Acq: 5 Nov 2018 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	72484
Ion	Ratio	Lower	Upper
97	100		
83	84.6	69.3	103.9
85	55.2	44.9	67.3
99	58.8	51.5	77.3

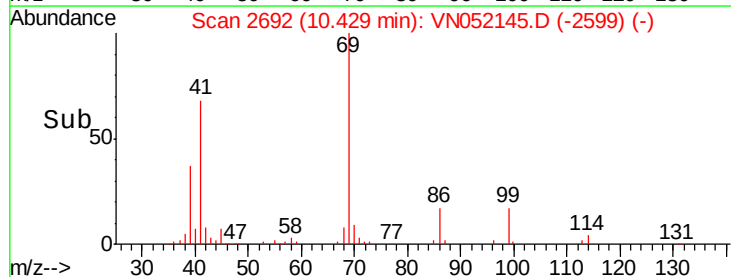
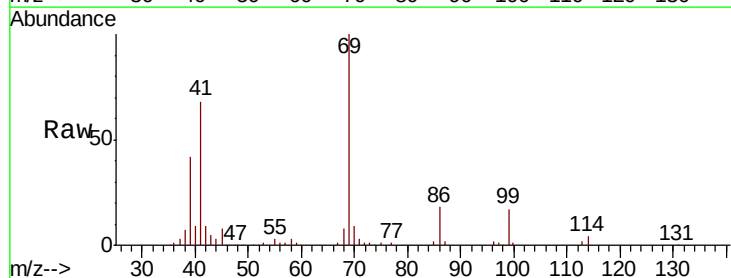
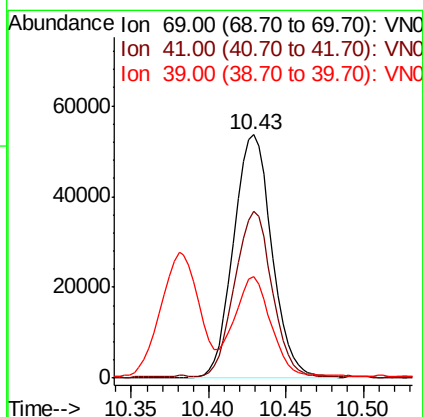
Manual Integrations
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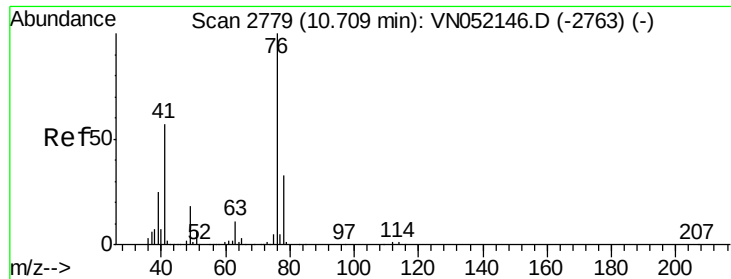
MMDadoda
 11/6/2018 9:59:49 AM



#56
 Ethyl methacrylate
 Concen: 20.707 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052145.D
 Acq: 5 Nov 2018 13:36

Tgt Ion:	69	Resp:	92659
Ion	Ratio	Lower	Upper
69	100		
41	66.2	55.4	83.0
39	38.2	32.0	48.0





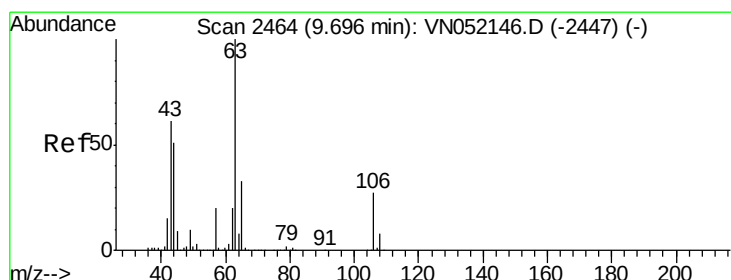
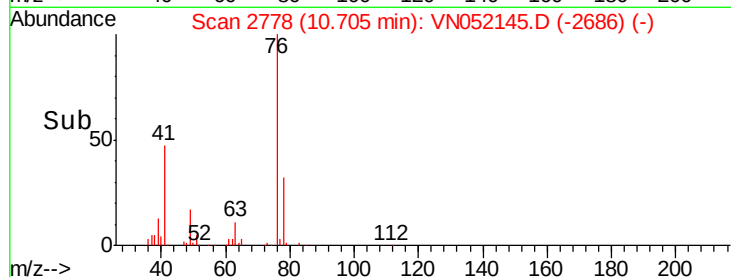
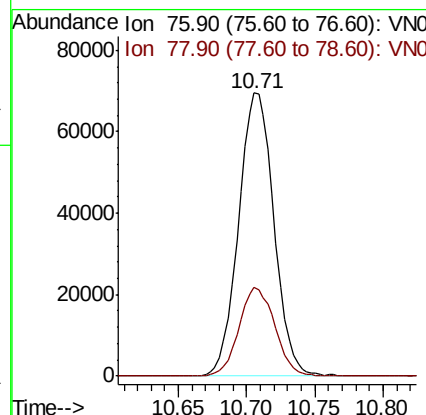
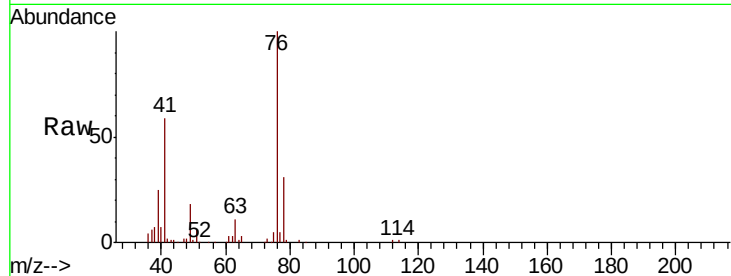
#57
 1,3-Dichloropropane
 Concen: 20.674 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN052145.D
 Acq: 5 Nov 2018 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.5	38.3

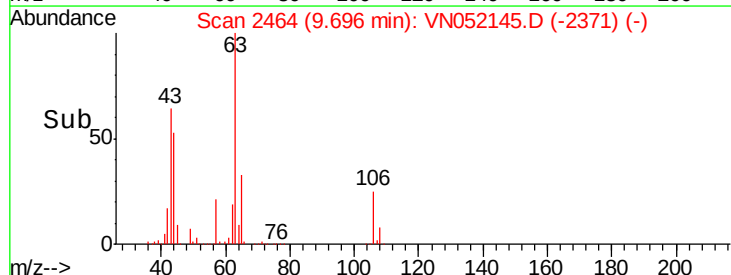
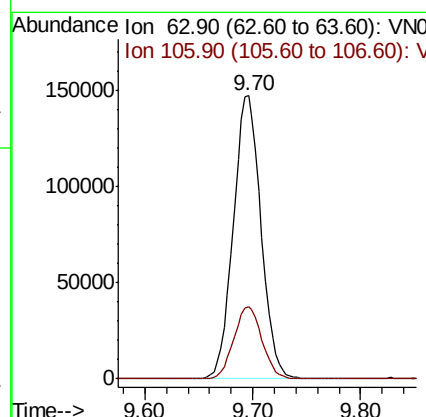
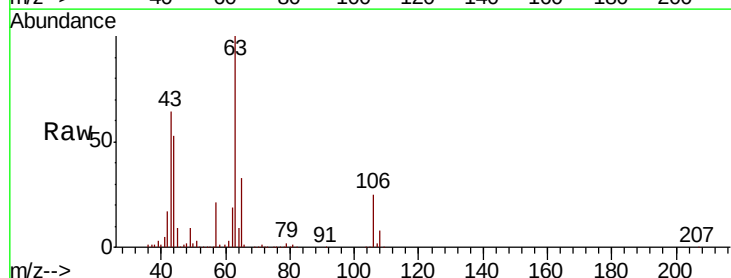
Manual Integrations
 APPROVED

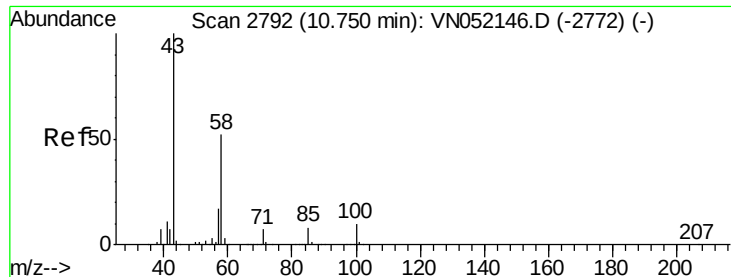
MMDadoda
 11/6/2018 9:59:49 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.128 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052145.D
 Acq: 5 Nov 2018 13:36

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.9	21.0	31.4





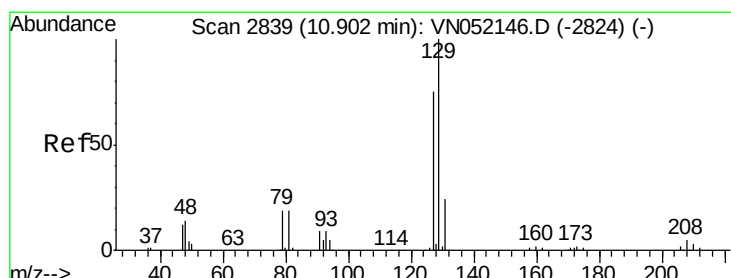
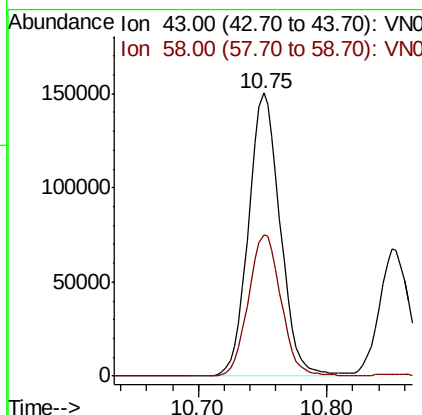
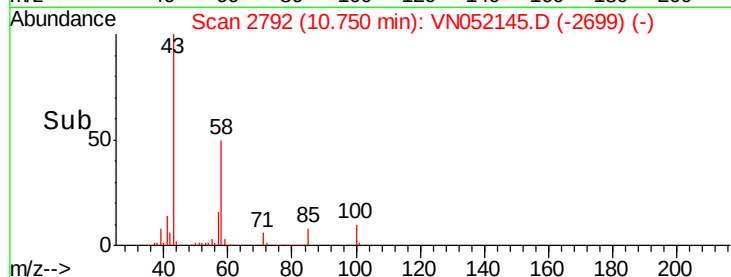
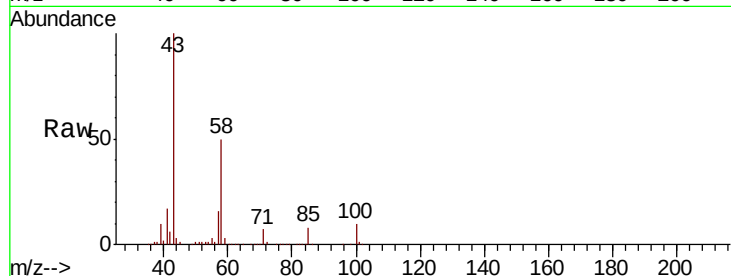
#59
2-Hexanone
Concen: 111.387 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052145.D
Acq: 5 Nov 2018 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 256730
Ion Ratio Lower Upper
43 100
58 51.7 25.8 77.4

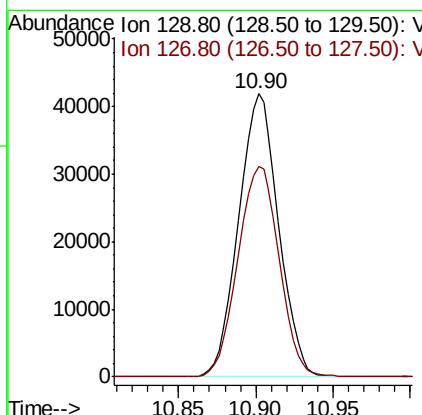
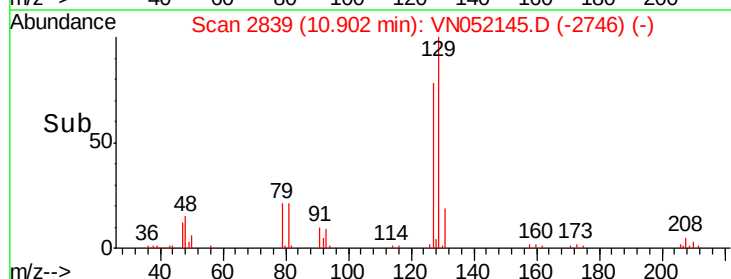
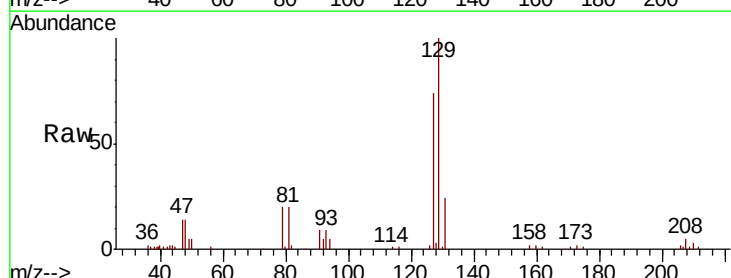
Manual Integrations
APPROVED

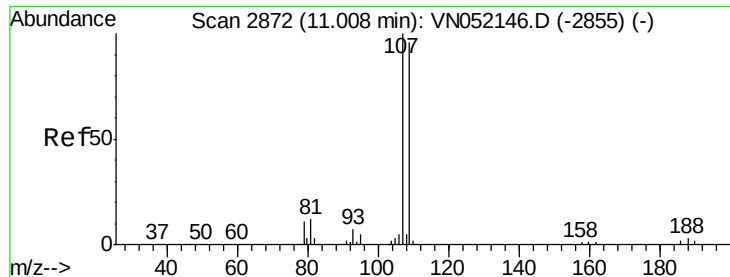
MMDadoda
11/6/2018 9:59:49 AM



#60
Dibromochloromethane
Concen: 19.235 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052145.D
Acq: 5 Nov 2018 13:36

Tgt Ion: 129 Resp: 75092
Ion Ratio Lower Upper
129 100
127 77.1 38.0 114.1





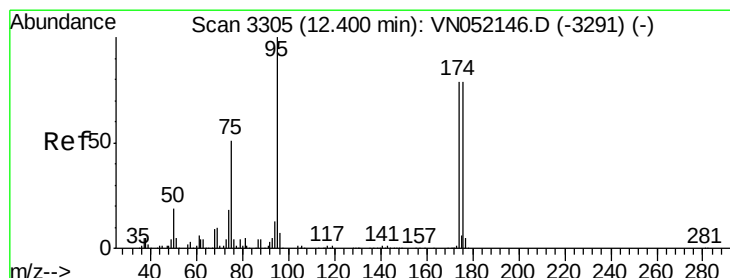
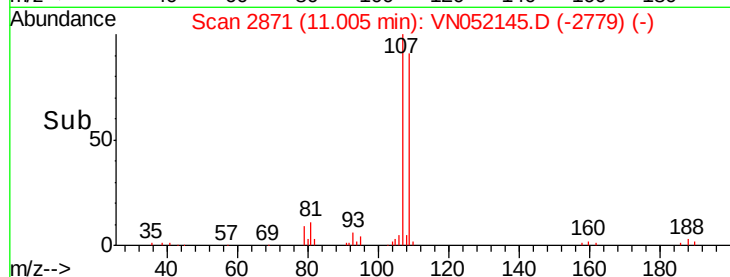
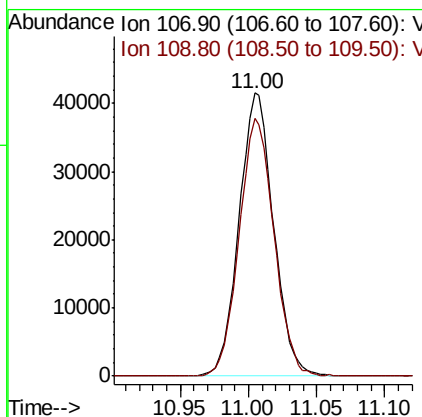
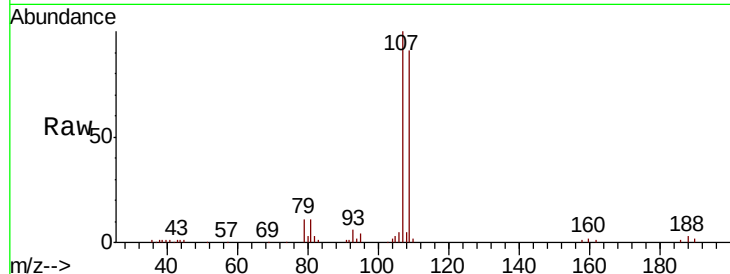
#61
 1,2-Dibromoethane
 Concen: 20.895 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN052145.D
 Acq: 5 Nov 2018 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.1	76.0	114.0

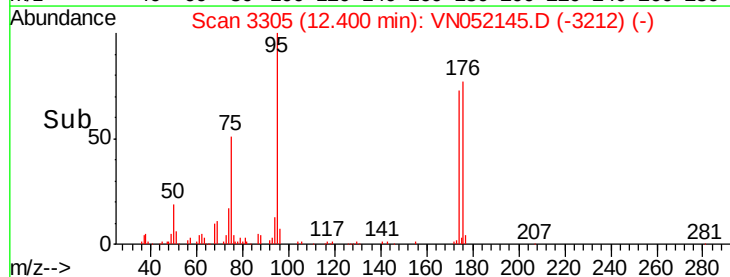
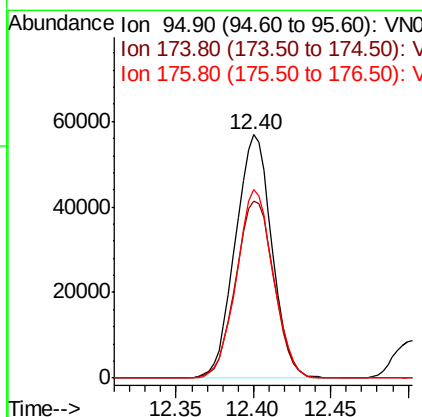
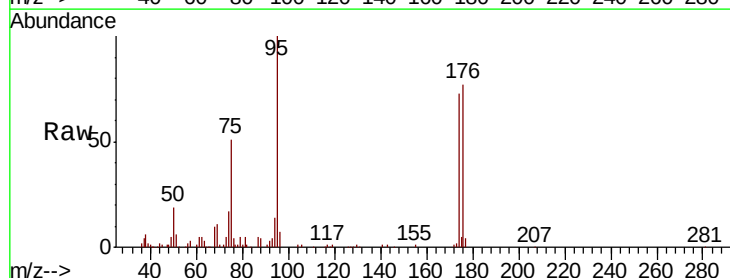
Manual Integrations
 APPROVED

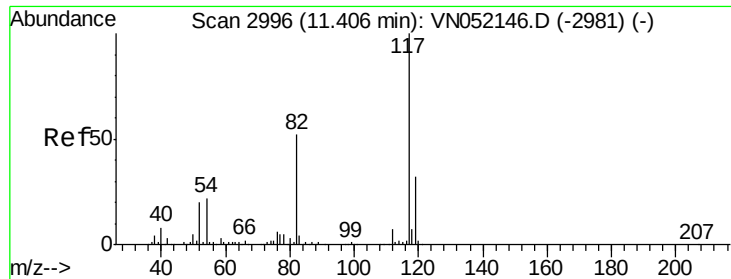
MMDadoda
 11/6/2018 9:59:49 AM



#62
 4-Bromofluorobenzene
 Concen: 20.895 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052145.D
 Acq: 5 Nov 2018 13:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.2	0.0	162.6
176	77.5	0.0	155.4





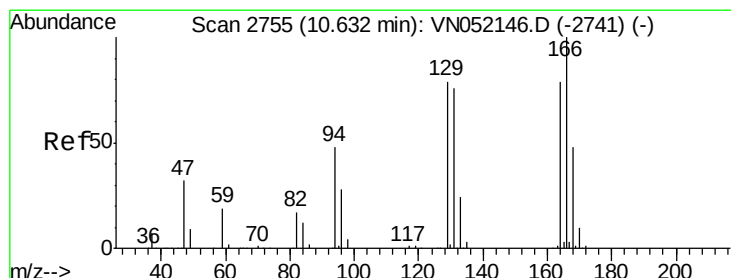
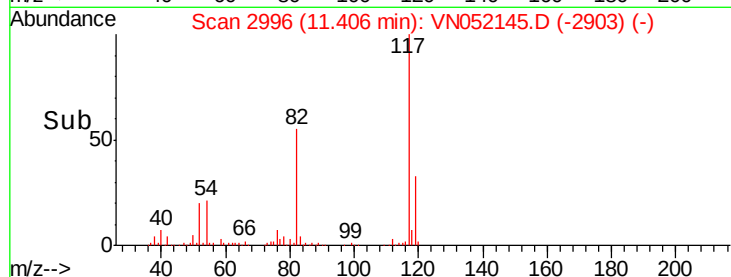
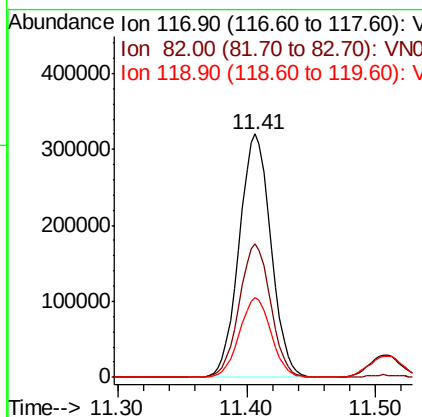
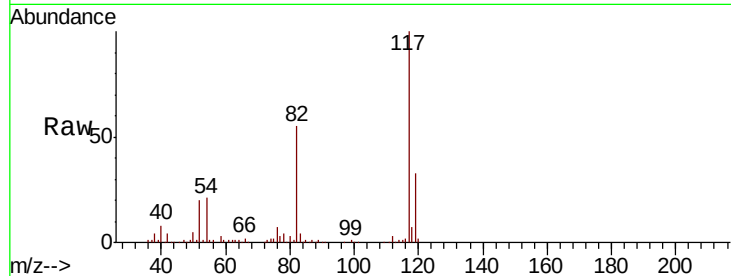
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052145.D
Acq: 5 Nov 2018 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	41.9	62.9
119	32.9	25.7	38.5

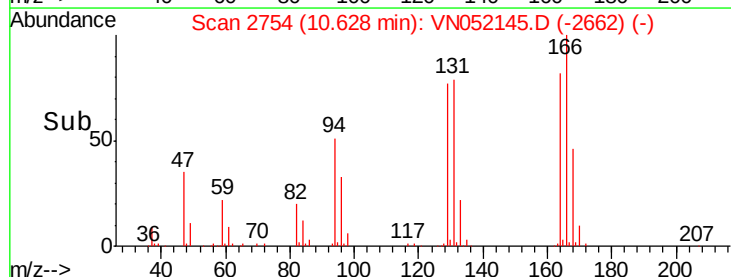
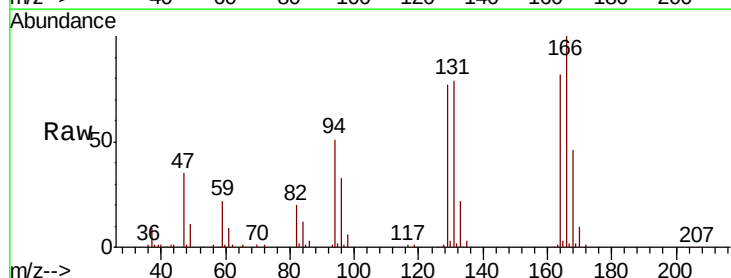
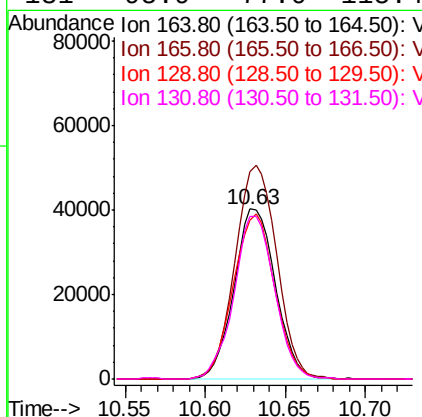
Manual Integrations
APPROVED

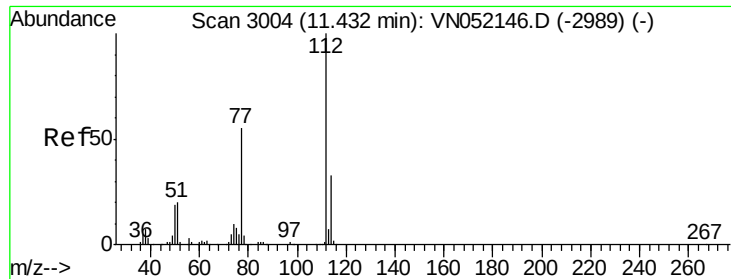
MMDadoda
11/6/2018 9:59:49 AM



#64
Tetrachloroethene
Concen: 19.961 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN052145.D
Acq: 5 Nov 2018 13:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.8	100.8	151.2
129	93.3	79.1	118.7
131	95.9	77.0	115.4





#65

Chlorobenzene

Concen: 19.532 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN052145.D

Acq: 5 Nov 2018 13:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 218487

Ion Ratio Lower Upper

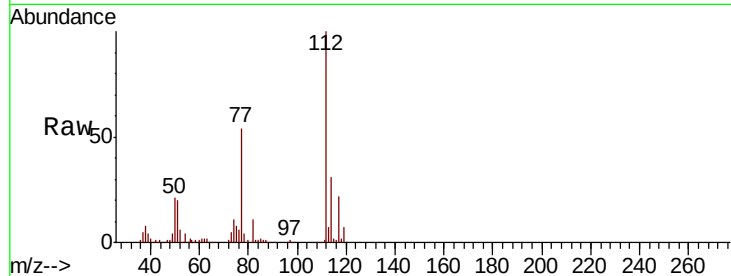
112 100

114 30.7 26.2 39.4

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

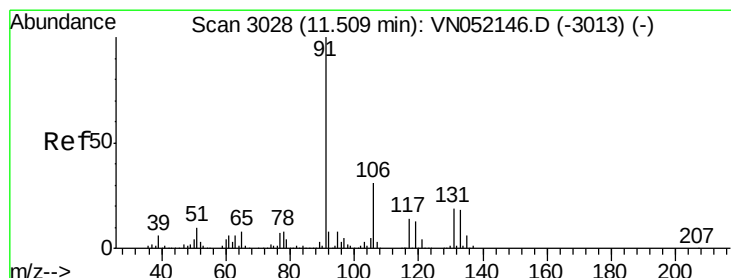
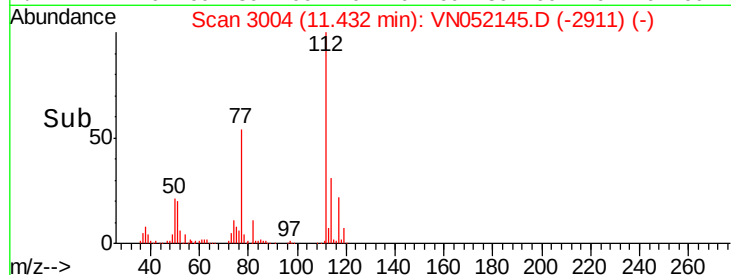
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.917 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052145.D

Acq: 5 Nov 2018 13:36

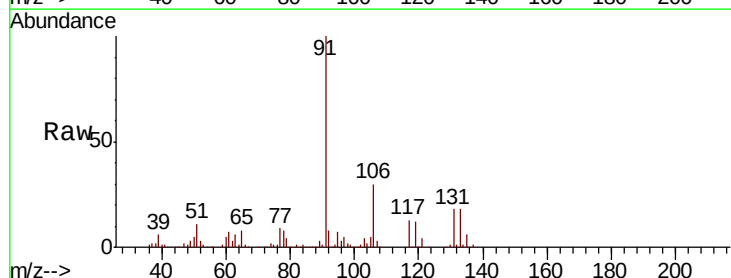
Tgt Ion:131 Resp: 74819

Ion Ratio Lower Upper

131 100

133 96.6 46.6 139.8

119 68.5 33.6 100.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

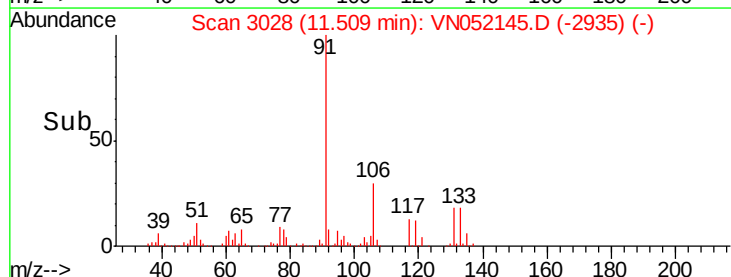
60000

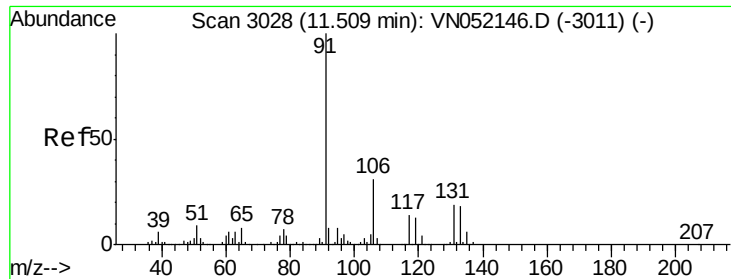
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 19.906 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052145.D

Acq: 5 Nov 2018 13:36

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 369831

Ion Ratio Lower Upper

91 100

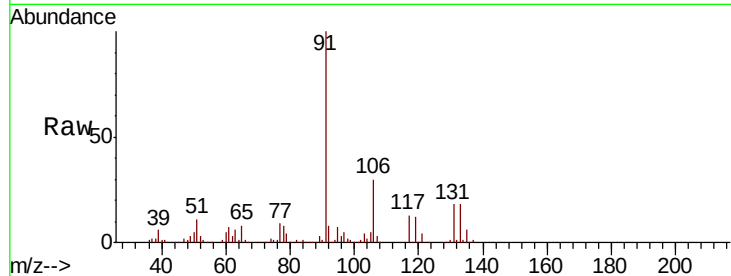
106 30.0 25.1 37.7

Manual Integrations

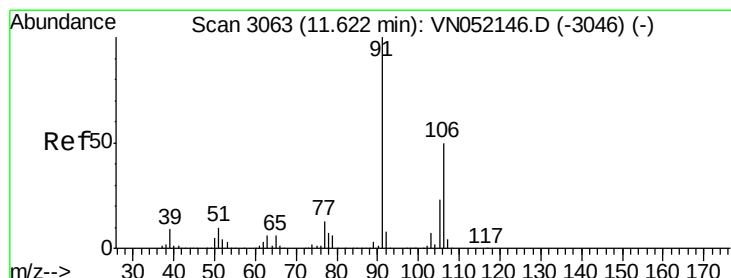
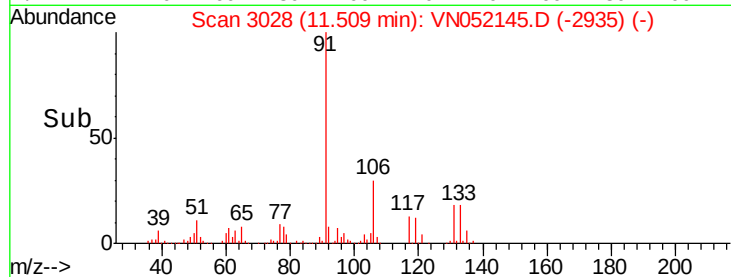
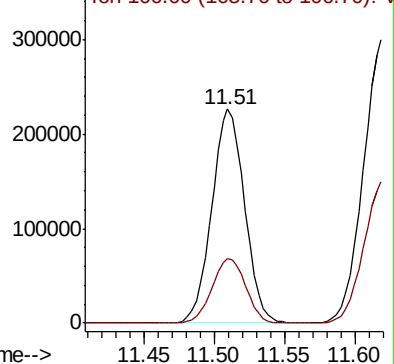
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Abundance Ion 91.00 (90.70 to 91.70): VN052145.D (-2935) (-)



#68

m/p-Xylenes

Concen: 40.207 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052145.D

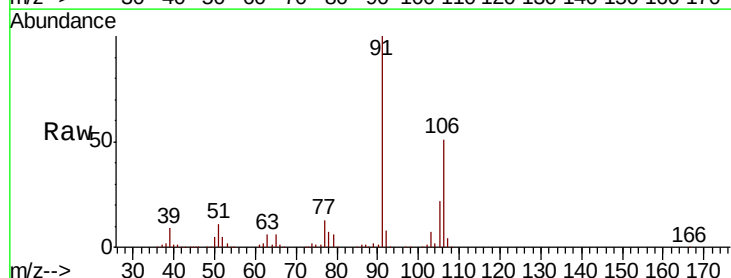
Acq: 5 Nov 2018 13:36

Tgt Ion: 106 Resp: 288242

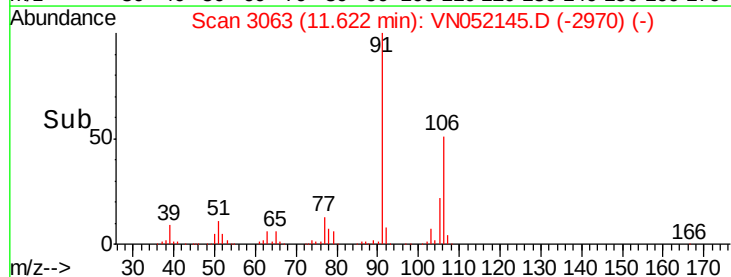
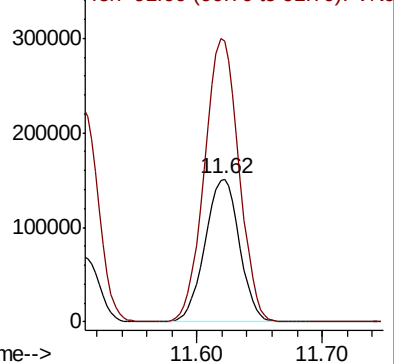
Ion Ratio Lower Upper

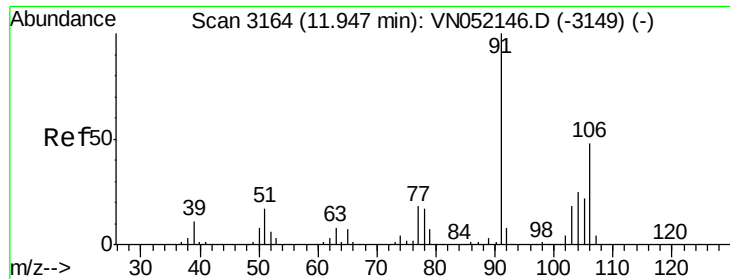
106 100

91 198.1 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): VN052145.D (-2970) (-)





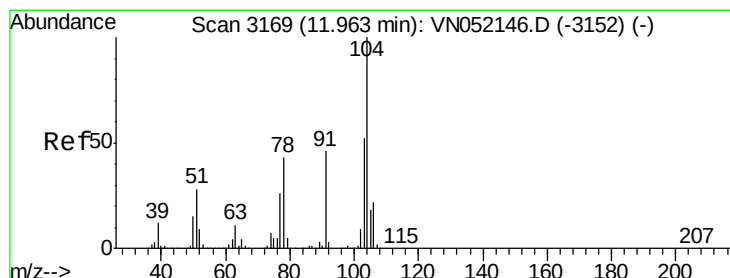
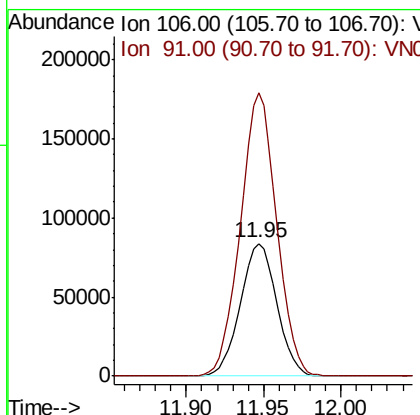
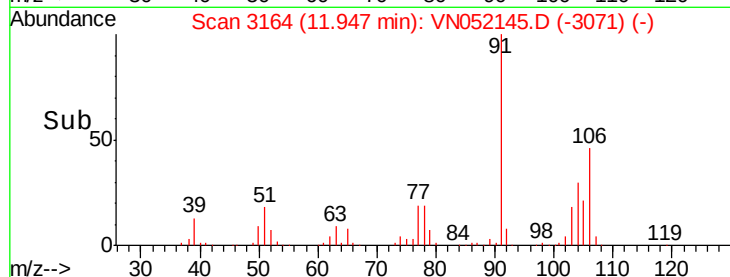
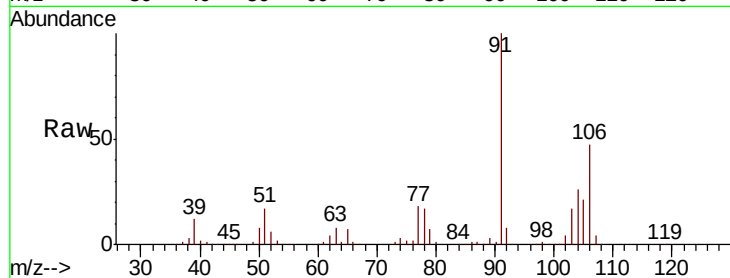
#69
o-Xylene
Concen: 19.821 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052145.D
Acq: 5 Nov 2018 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	211.5	104.8	314.3	

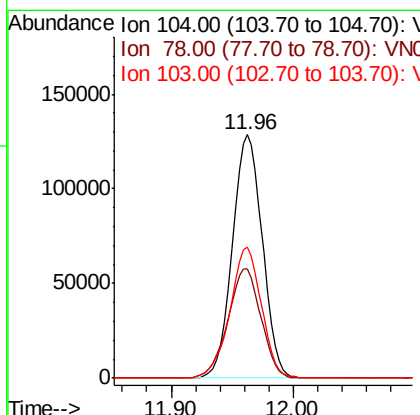
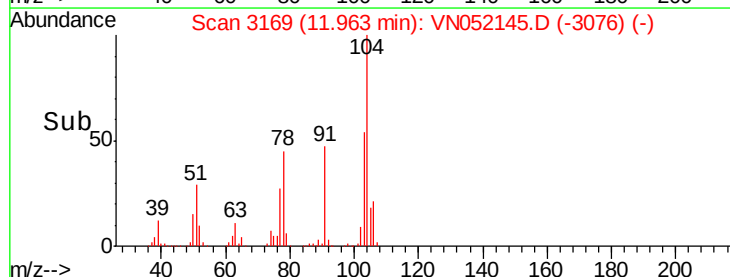
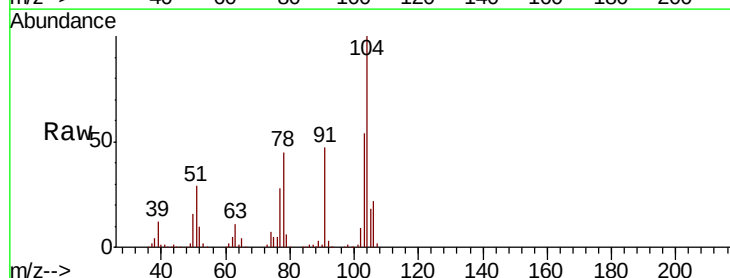
Manual Integrations
APPROVED

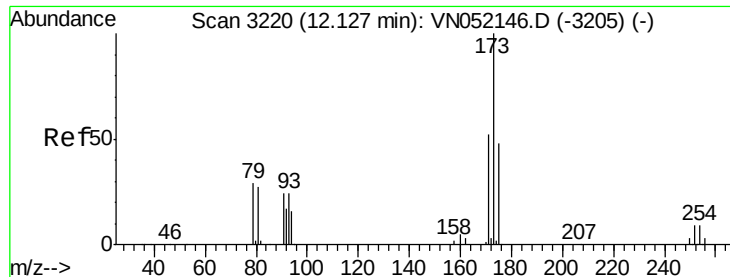
MMDadoda
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#70
Styrene
Concen: 19.848 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052145.D
Acq: 5 Nov 2018 13:36

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	50.0	39.4	59.0	
103	56.7	45.1	67.7	





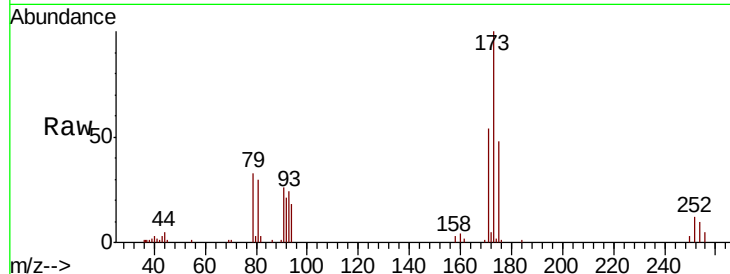
#71
Bromoform
Concen: 19.218 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN052145.D
Acq: 5 Nov 2018 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.1	24.8	74.4
254	0.0	0.2	0.2

Manual Integrations
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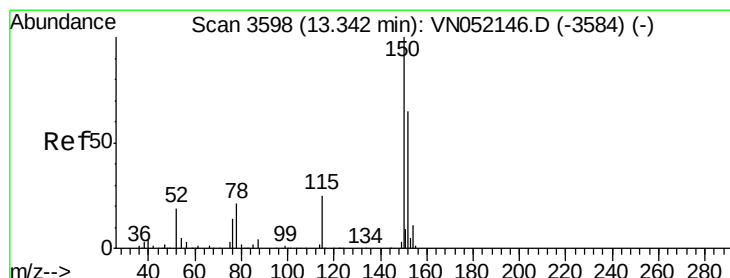
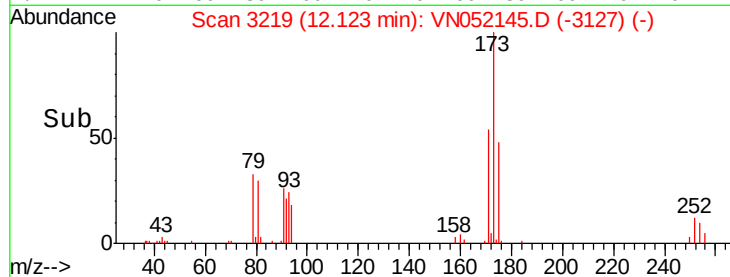
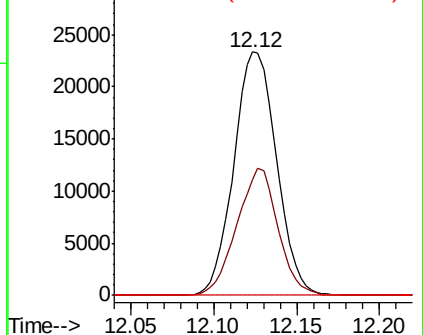


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN052145.D
Acq: 5 Nov 2018 13:36

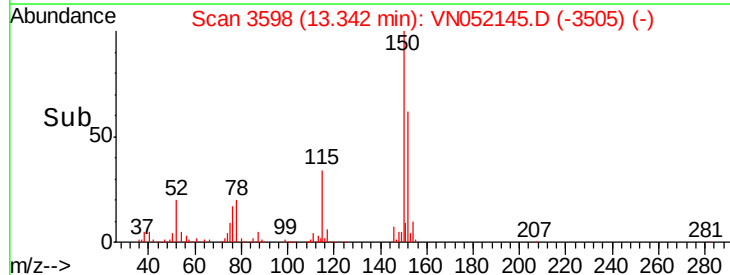
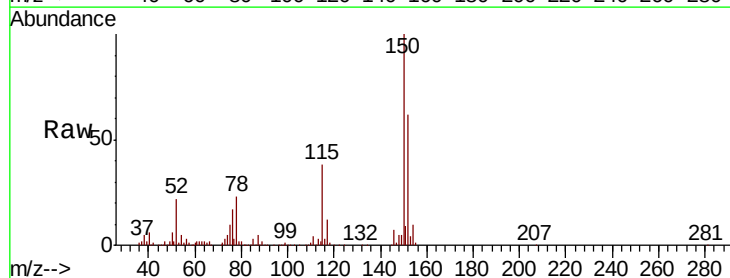
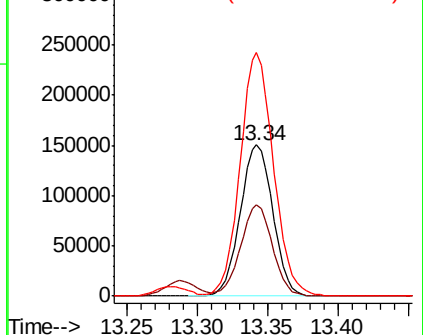
Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	28.5	85.5
150	164.5	0.0	348.6

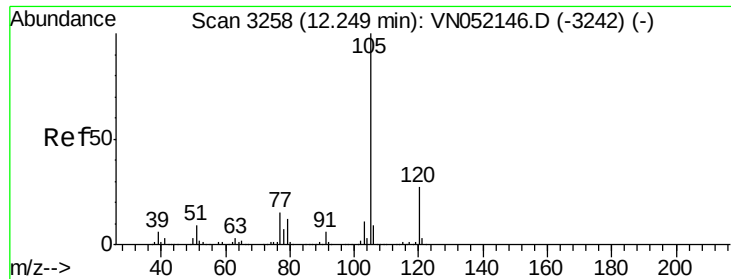
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.411 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052145.D

Acq: 5 Nov 2018 13:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 358523

Ion Ratio Lower Upper

105 100

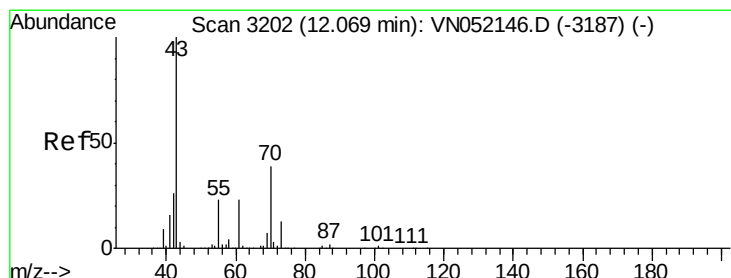
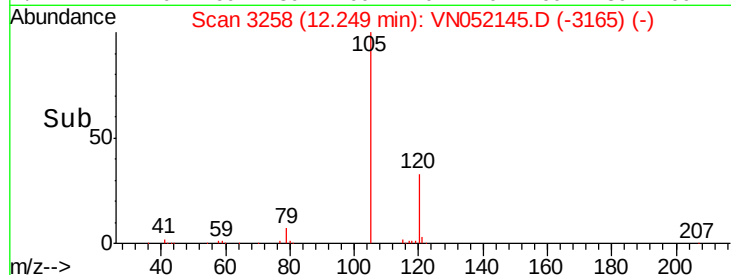
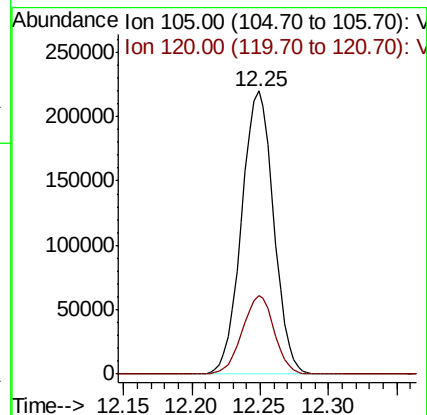
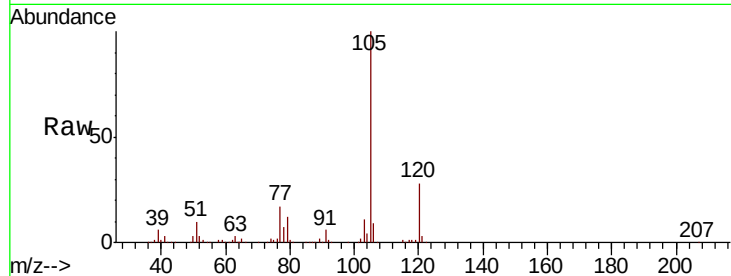
120 27.6 13.3 39.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.226 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052145.D

Acq: 5 Nov 2018 13:36

Tgt Ion: 43 Resp: 112420

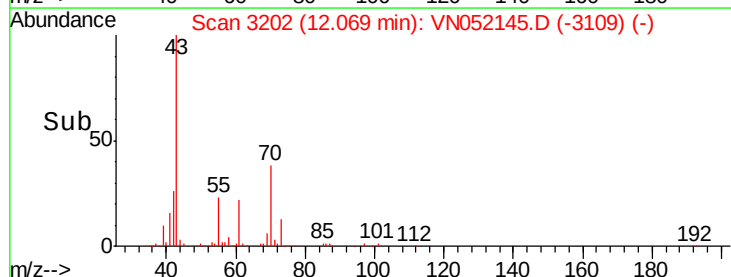
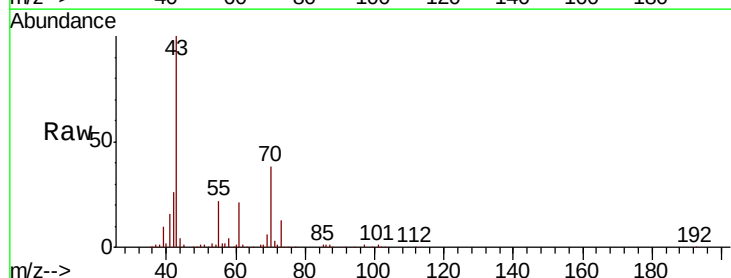
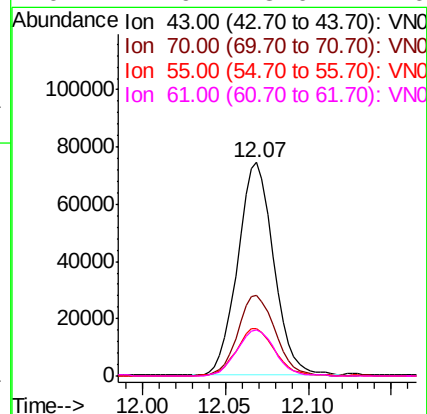
Ion Ratio Lower Upper

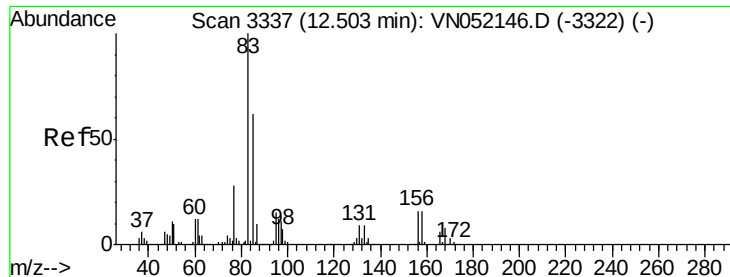
43 100

70 40.0 31.1 46.7

55 24.1 18.5 27.7

61 22.9 18.0 27.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.256 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052145.D

Acq: 5 Nov 2018 13:36

Instrument :

MSVOA_N

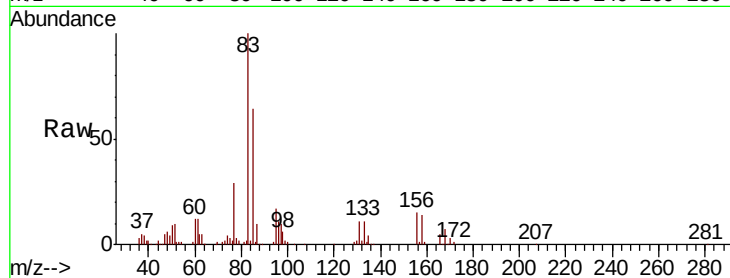
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	85933
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.0	14.9
85	64.3	31.8	95.3

Manual Integrations
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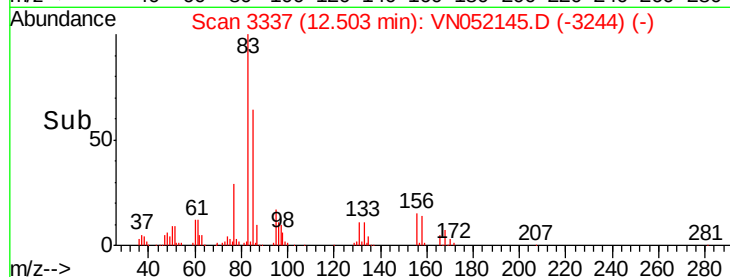


Abundance Ion 82.90 (82.60 to 83.60): VN052145.D (-3322) (-)

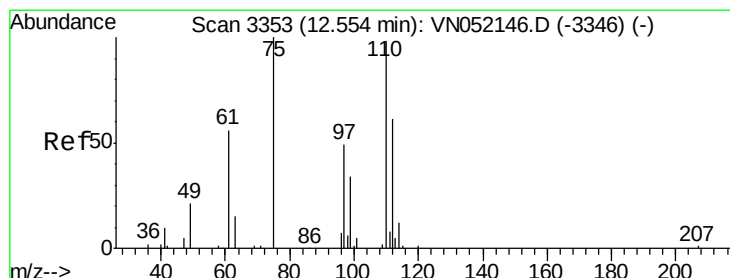
Ion 130.80 (130.50 to 131.50): VN052145.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN052145.D (-3322) (-)

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 25.301 ug/l m

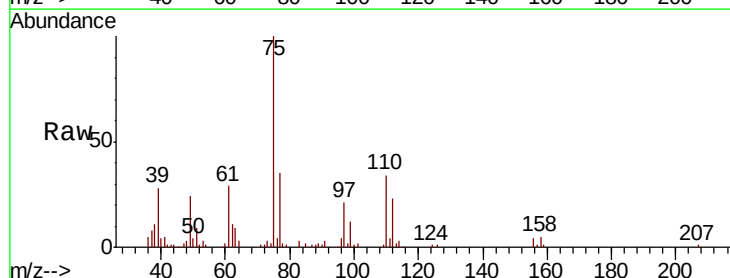
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN052145.D

Acq: 5 Nov 2018 13:36

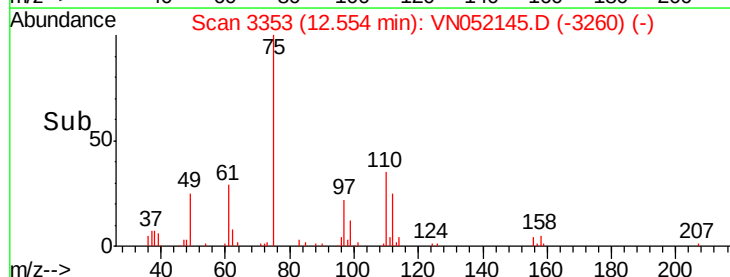
Tgt Ion:	75	Resp:	82504
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



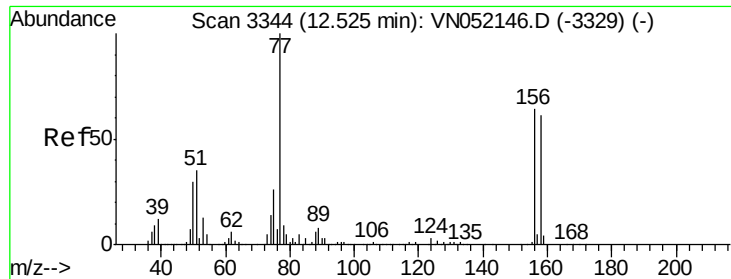
Abundance Ion 74.90 (74.60 to 75.60): VN052145.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN052145.D (-3346) (-)

Time-->



Time-->



#77

Bromobenzene

Concen: 19.545 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052145.D

Acq: 5 Nov 2018 13:36

Instrument :

MSVOA_N

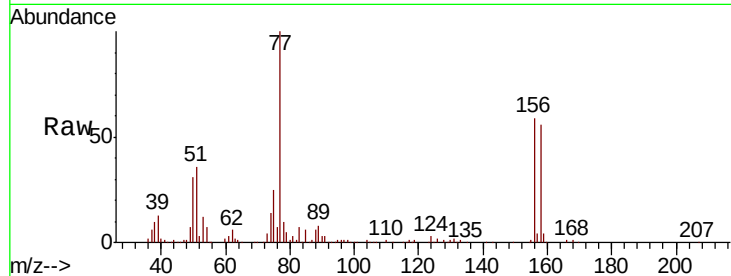
ClientSampled :

VSTDIC020

Tot Ion:	156	Resp:	86081
Ion Ratio	Lower	Upper	
156	100		
77	193.7	91.6	274.9
158	96.4	48.1	144.3

Manual Integrations
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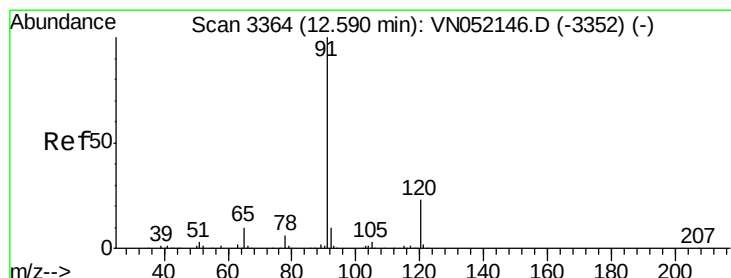
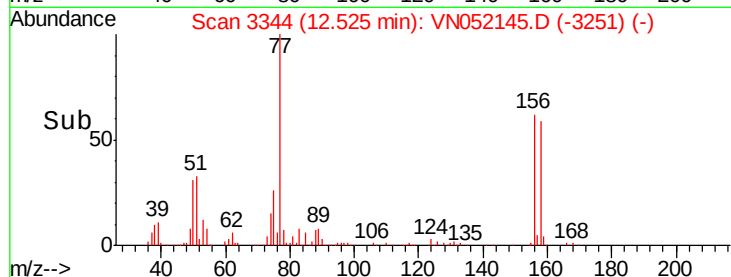
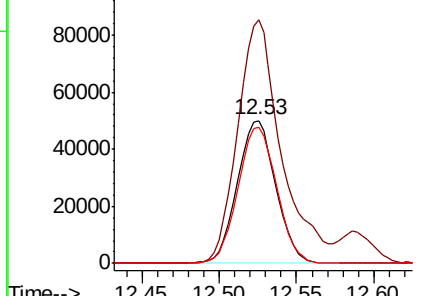
MMDadoda
11/6/2018 9:59:49 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.597 ug/l

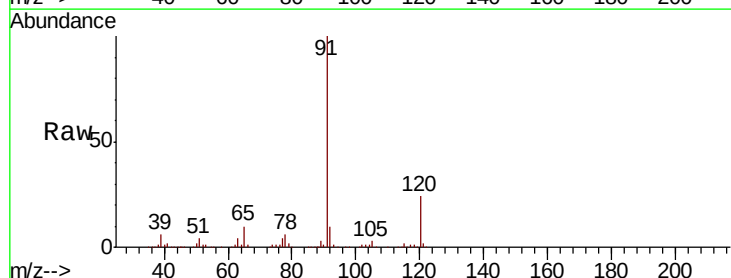
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052145.D

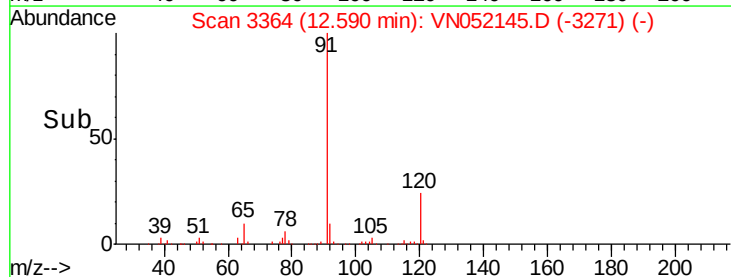
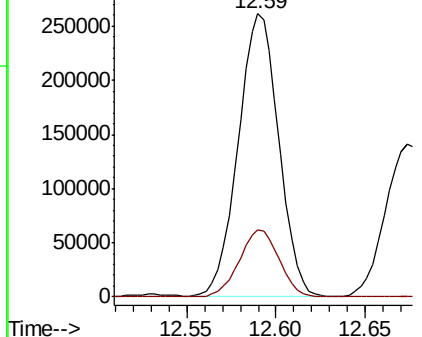
Acq: 5 Nov 2018 13:36

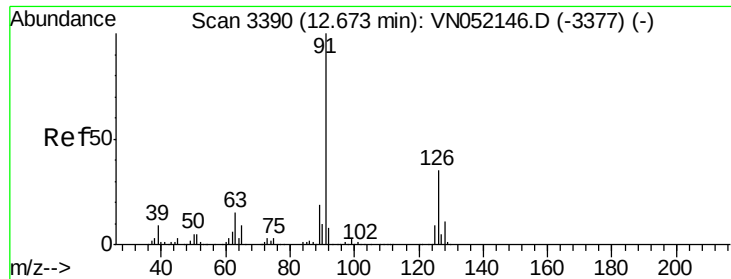
Tgt Ion:	91	Resp:	413650
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.9	35.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.502 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052145.D

Acq: 5 Nov 2018 13:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 241390

Ion Ratio Lower Upper

91 100

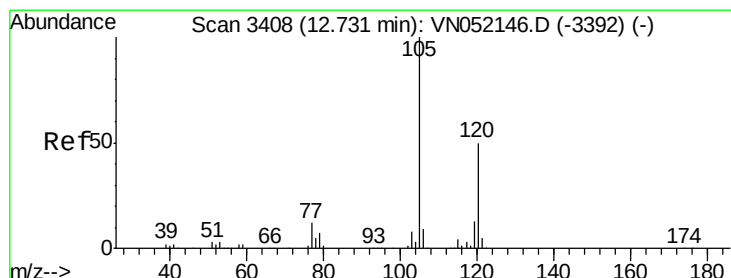
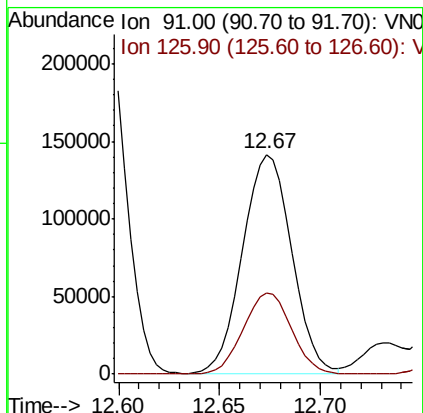
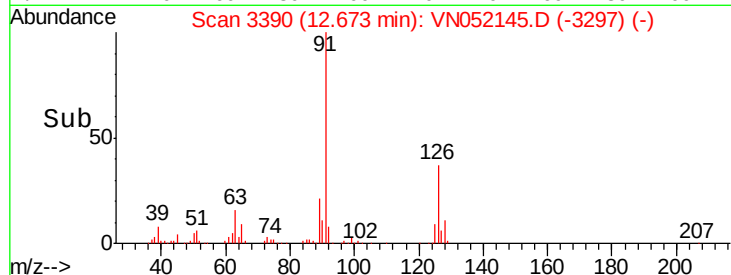
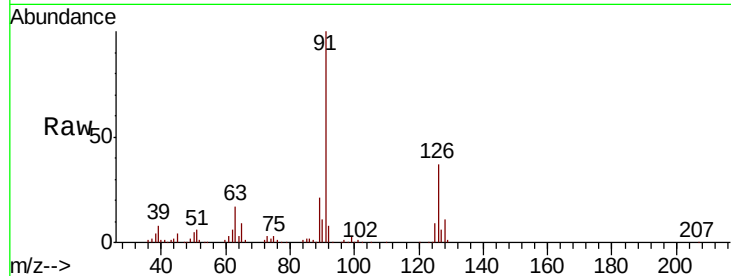
126 36.5 18.0 54.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.497 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN052145.D

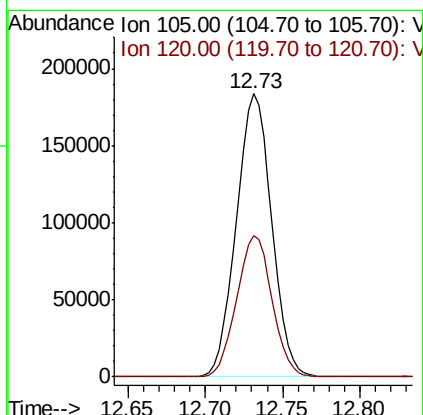
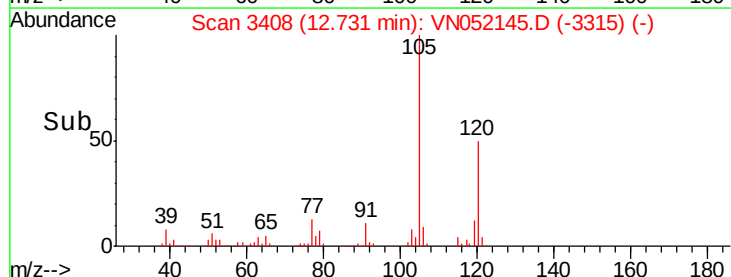
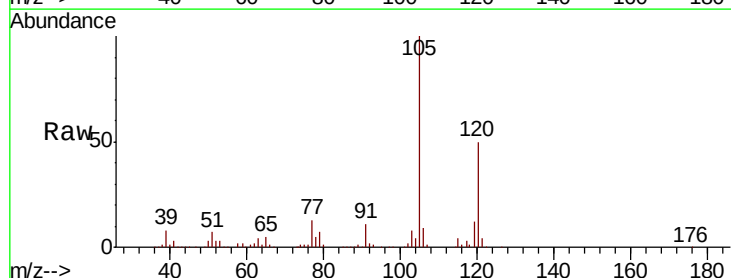
Acq: 5 Nov 2018 13:36

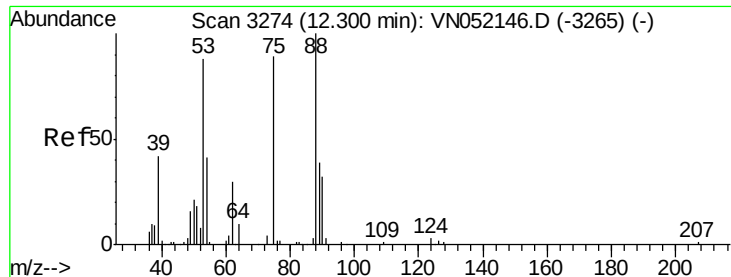
Tgt Ion: 105 Resp: 291478

Ion Ratio Lower Upper

105 100

120 49.9 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 19.296 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052145.D

Acq: 5 Nov 2018 13:36

Instrument :

MSVOA_N

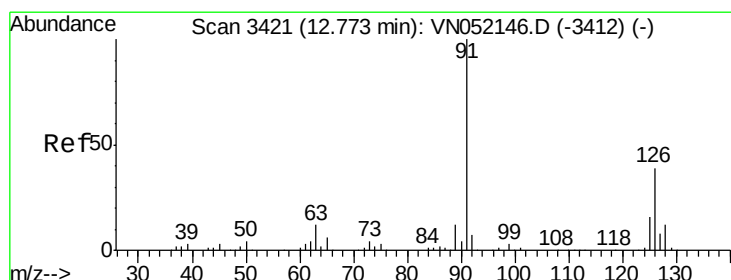
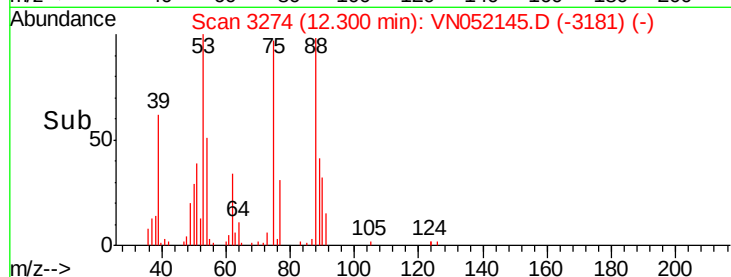
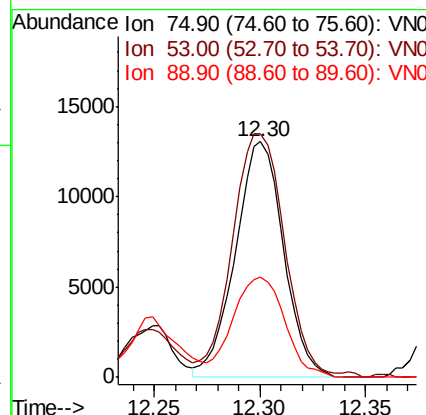
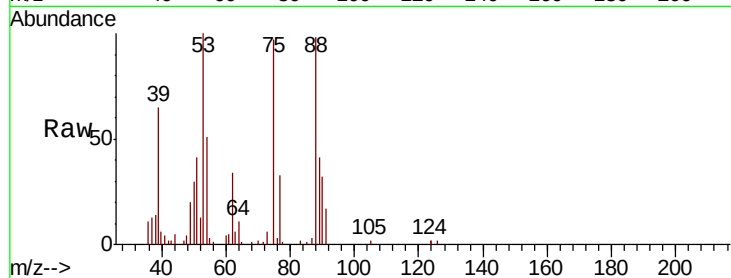
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	20717
Ion	Ratio	Lower	Upper
75	100		
53	112.8	79.4	119.0
89	45.7	35.8	53.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.405 ug/l

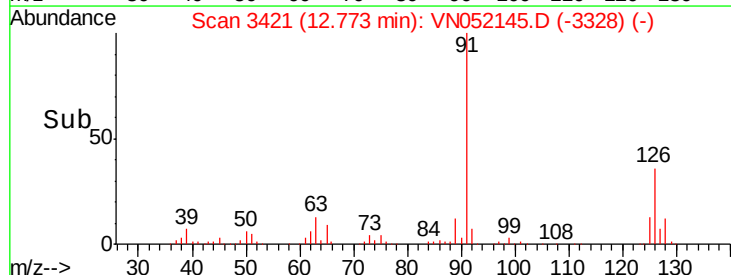
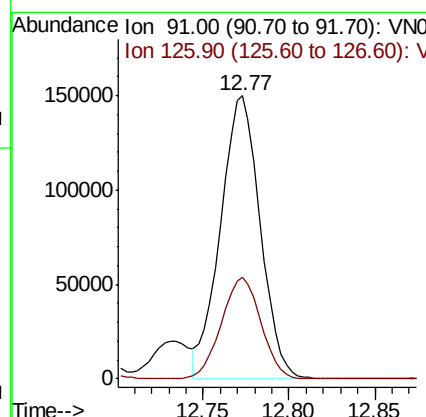
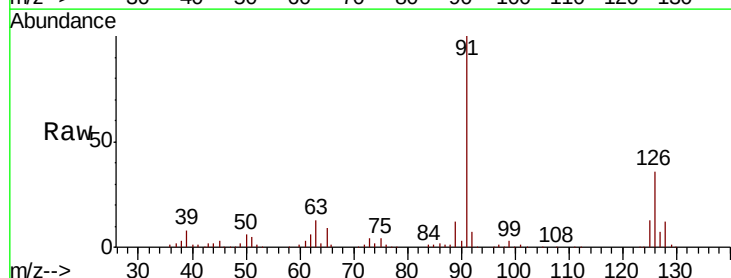
RT: 12.77 min Scan# 3421

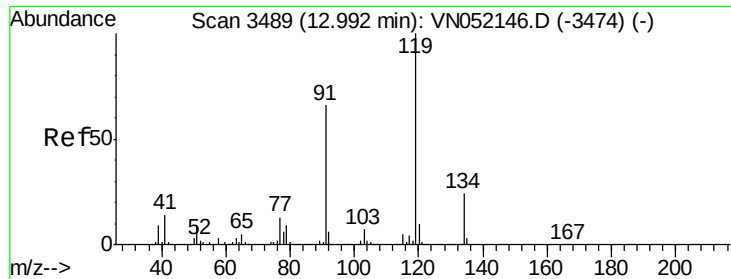
Delta R.T. 0.00 min

Lab File: VN052145.D

Acq: 5 Nov 2018 13:36

Tgt Ion:	91	Resp:	241421
Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.8	53.5





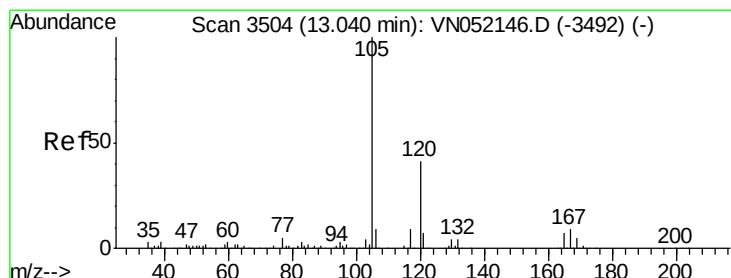
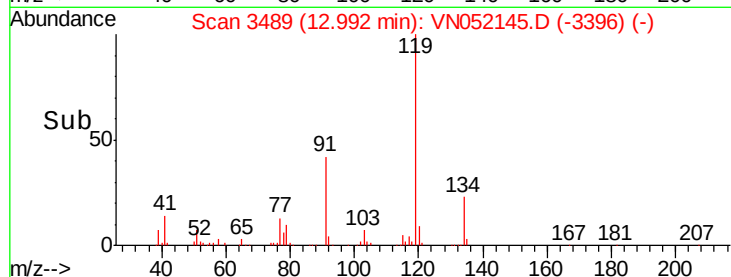
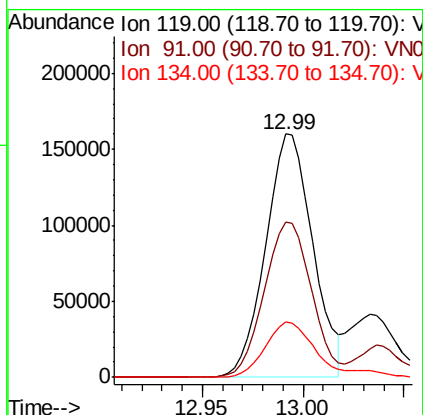
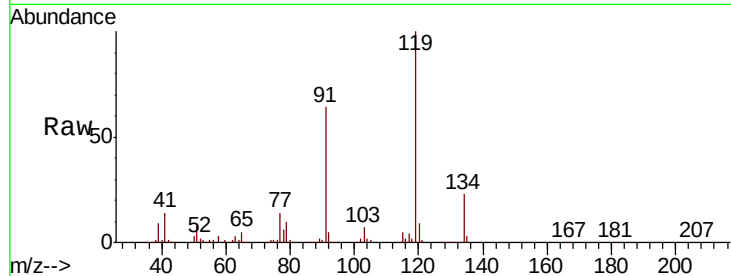
#83
tert-Butylbenzene
Concen: 19.670 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN052145.D
Acq: 5 Nov 2018 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.3	32.3	96.8
134	25.4	13.0	38.9

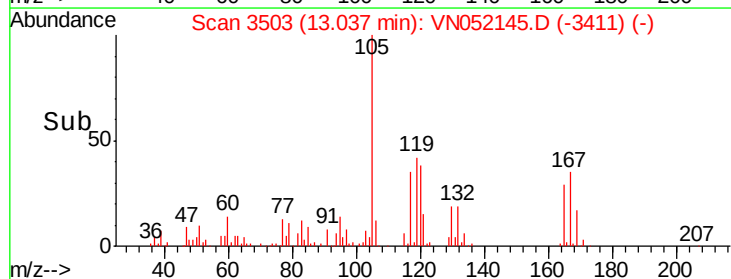
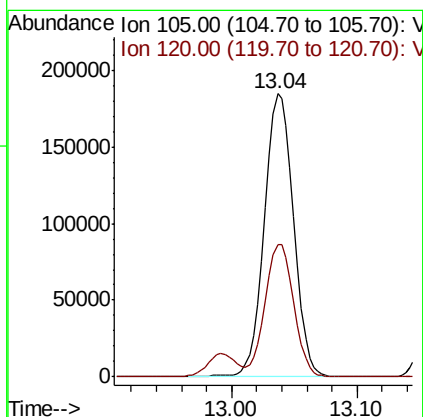
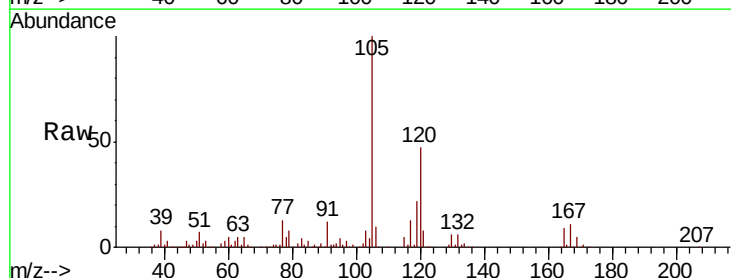
Manual Integrations
APPROVED

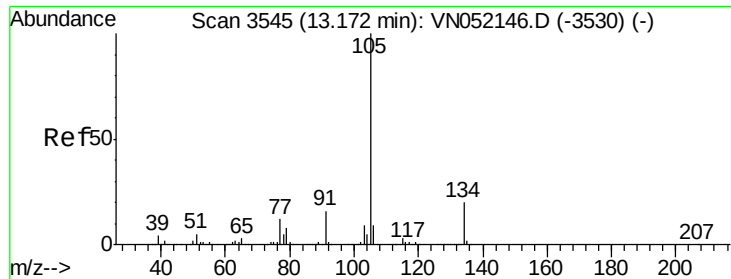
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#84
1,2,4-Trimethylbenzene
Concen: 20.118 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN052145.D
Acq: 5 Nov 2018 13:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.2	69.5





#85

sec-Butylbenzene

Concen: 19.500 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052145.D

Acq: 5 Nov 2018 13:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 348084

Ion Ratio Lower Upper

105 100

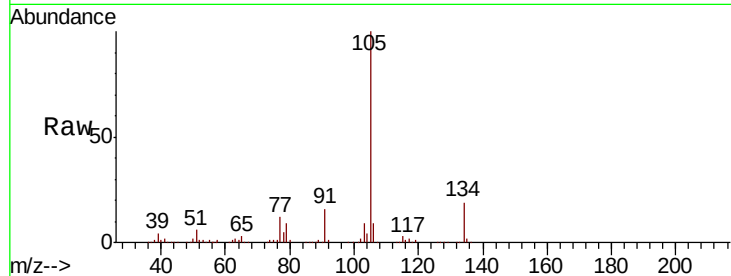
134 19.7 10.2 30.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

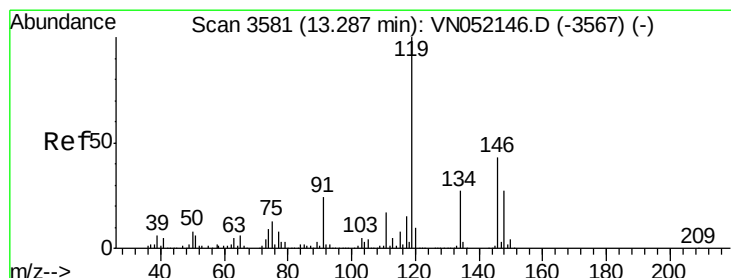
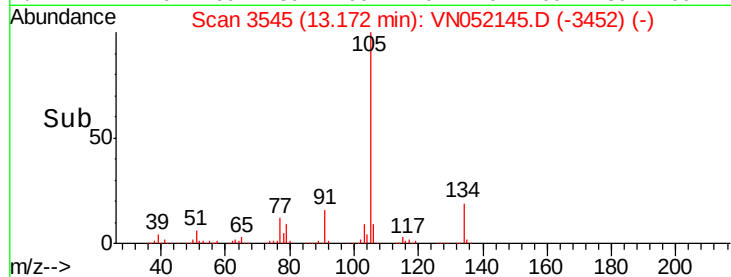
100000

50000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 19.978 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN052145.D

Acq: 5 Nov 2018 13:36

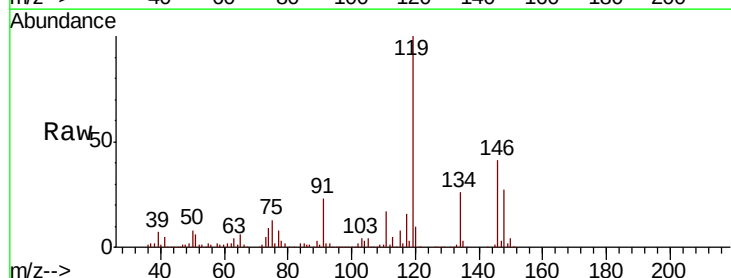
Tgt Ion:119 Resp: 300150

Ion Ratio Lower Upper

119 100

134 26.4 13.5 40.5

91 23.7 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

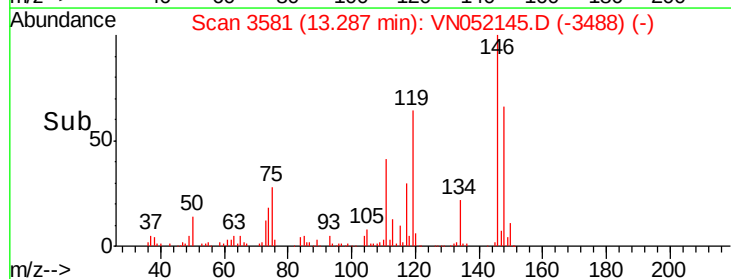
100000

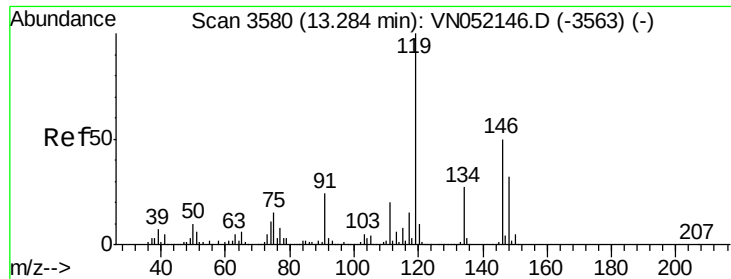
50000

0

13.20 13.25 13.30 13.35

Time-->





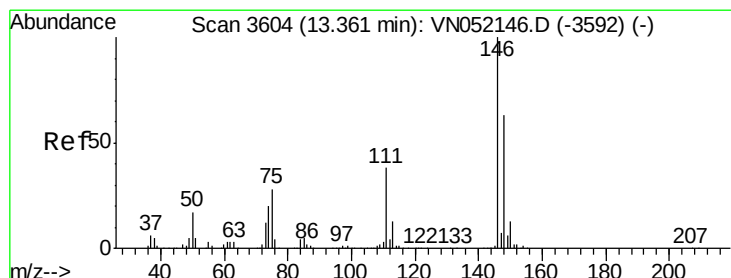
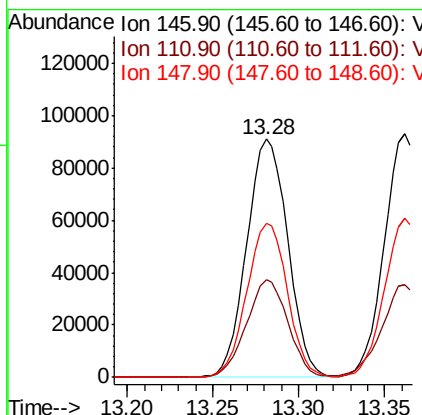
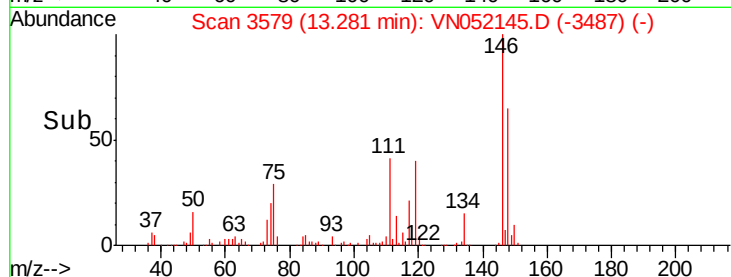
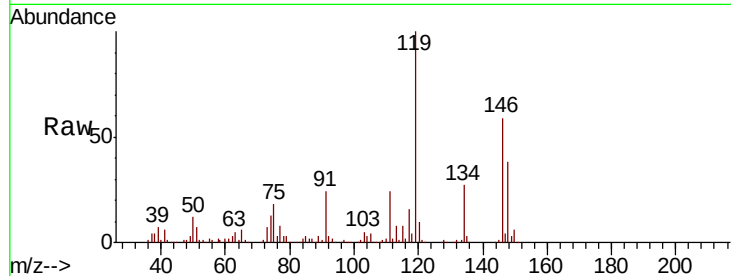
#87
 1,3-Dichlorobenzene
 Concen: 19.390 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN052145.D
 Acq: 5 Nov 2018 13:36

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	150915		
111	41.4	20.2	60.6	
148	63.9	32.1	96.3	

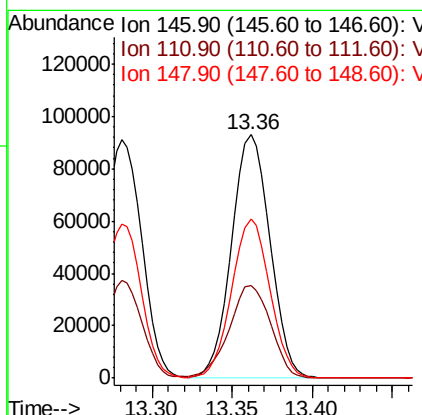
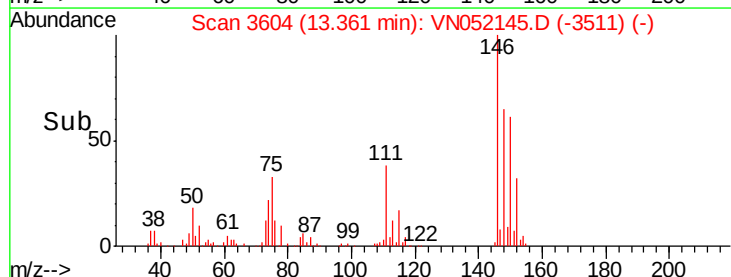
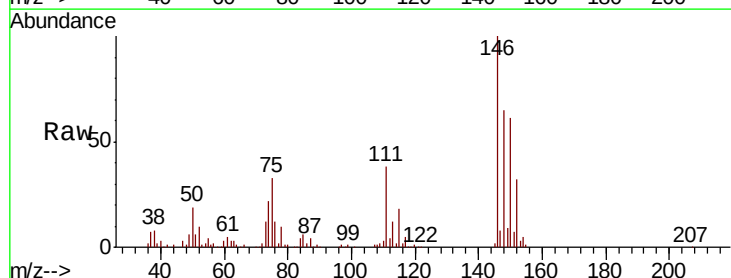
Manual Integrations
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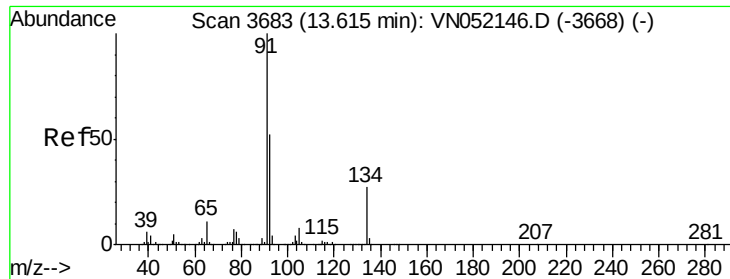
MMDadoda
 11/6/2018 9:59:49 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.599 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN052145.D
 Acq: 5 Nov 2018 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	152471		
111	41.4	19.4	58.1	
148	65.0	31.5	94.5	





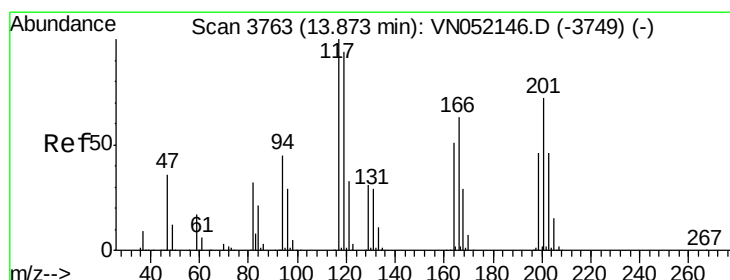
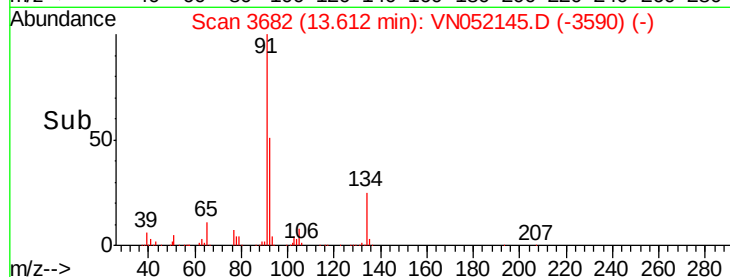
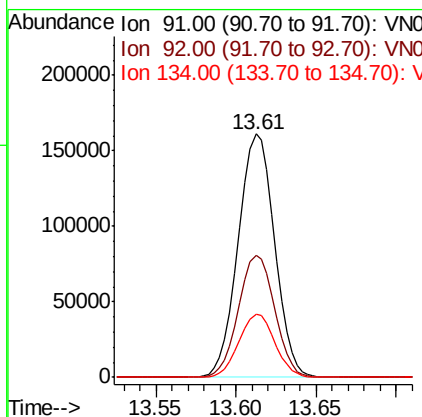
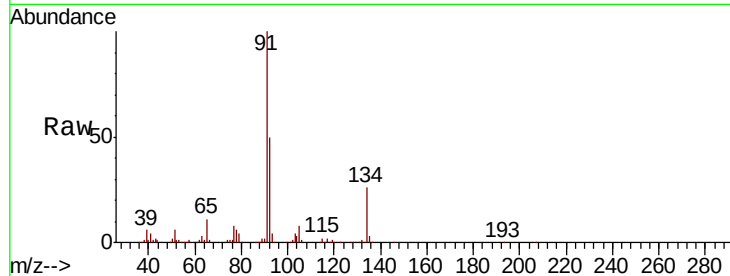
#89
n-Butylbenzene
Concen: 19.136 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN052145.D
Acq: 5 Nov 2018 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.0	26.3	78.8
134	25.7	13.4	40.2

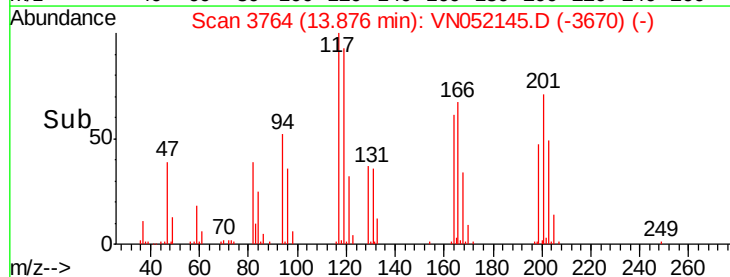
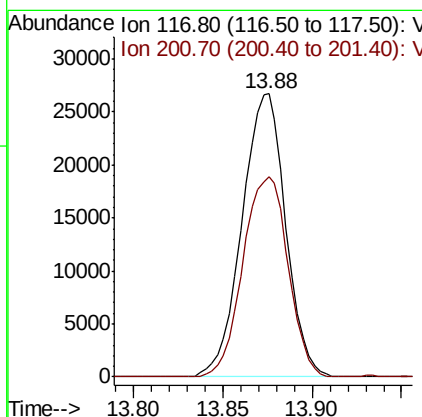
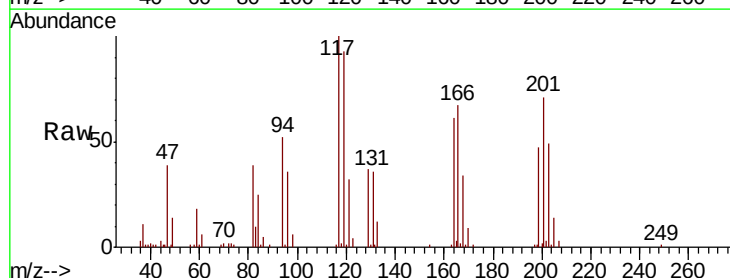
Manual Integrations
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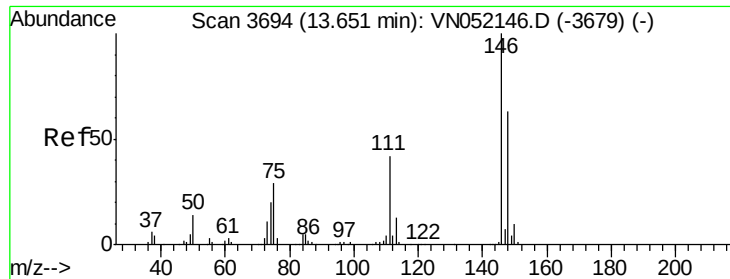
MMDadoda
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#90
Hexachloroethane
Concen: 18.051 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052145.D
Acq: 5 Nov 2018 13:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.0	36.8	110.3





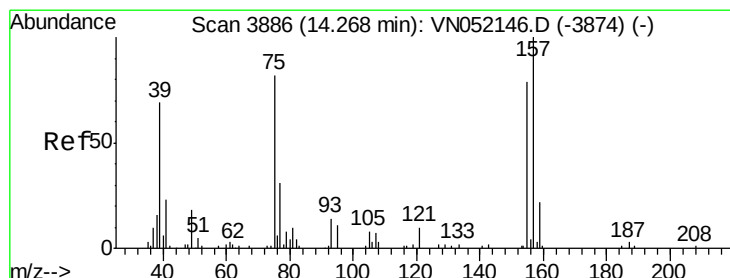
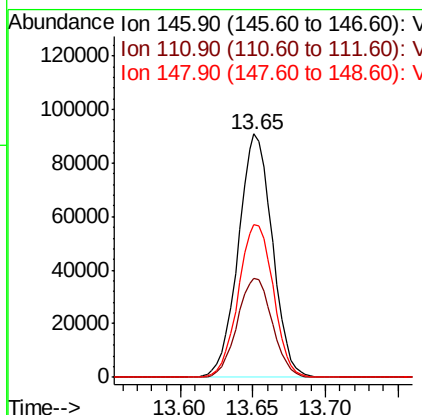
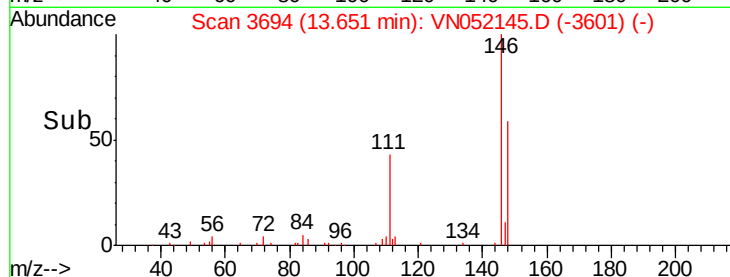
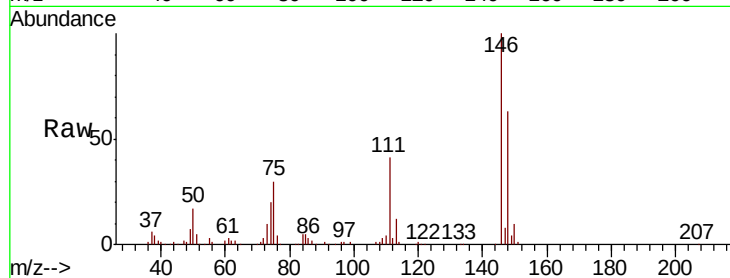
#91
 1,2-Dichlorobenzene
 Concen: 20.291 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN052145.D
 Acq: 5 Nov 2018 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.1	63.1
148	64.4	31.4	94.3

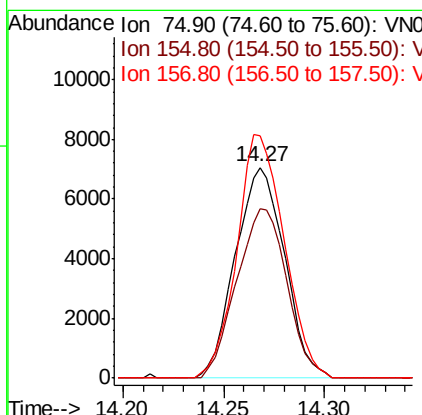
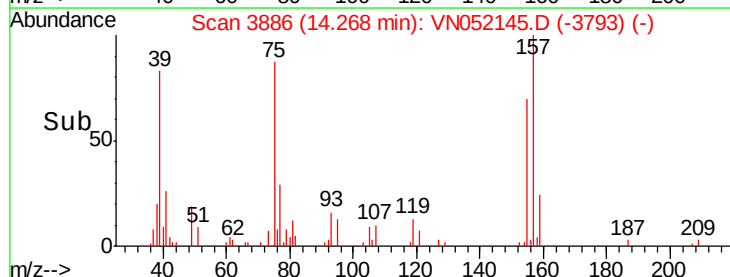
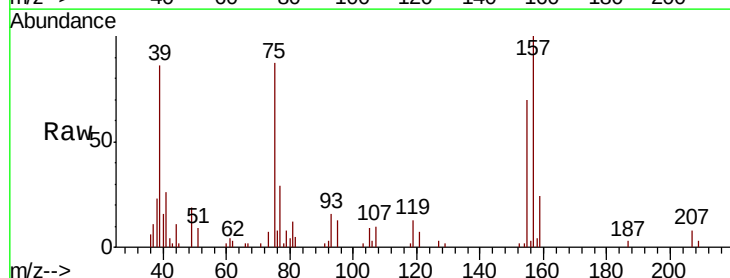
Manual Integrations
 APPROVED

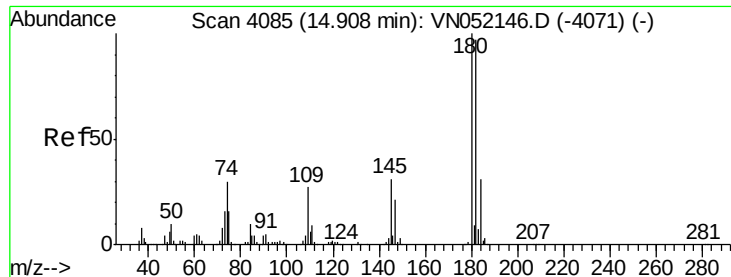
MMDadoda
 11/6/2018 9:59:49 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.626 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN052145.D
 Acq: 5 Nov 2018 13:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.6	47.4	142.2
157	111.1	60.3	180.8





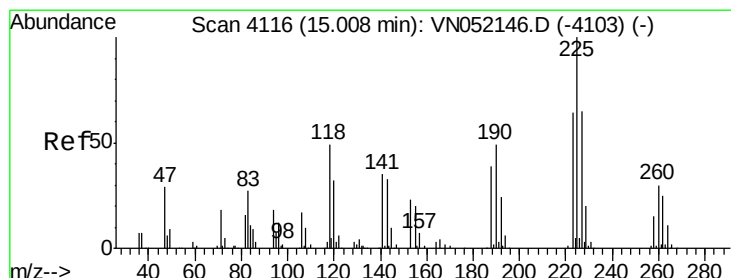
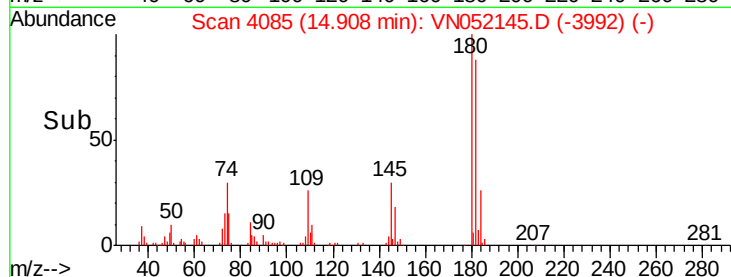
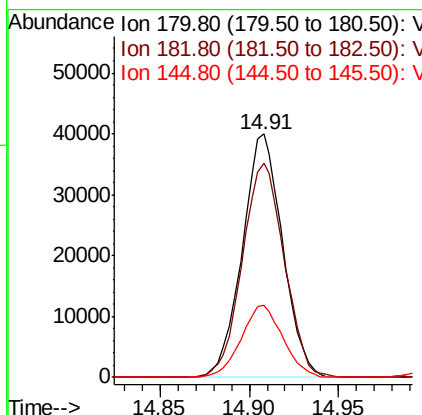
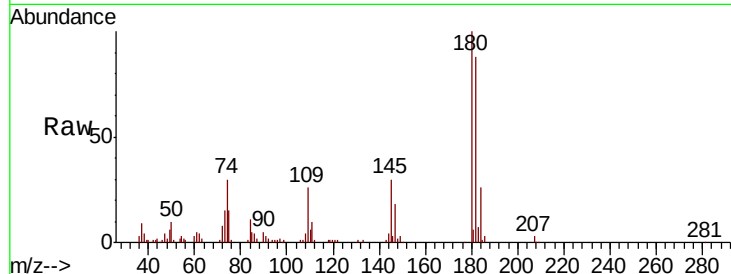
#93
 1,2,4-Trichlorobenzene
 Concen: 18.600 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052145.D
 Acq: 5 Nov 2018 13:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	63146		
182	91.4	48.1	144.4	
145	30.7	15.3	45.9	

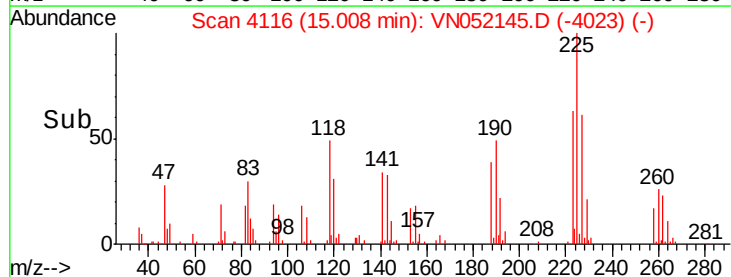
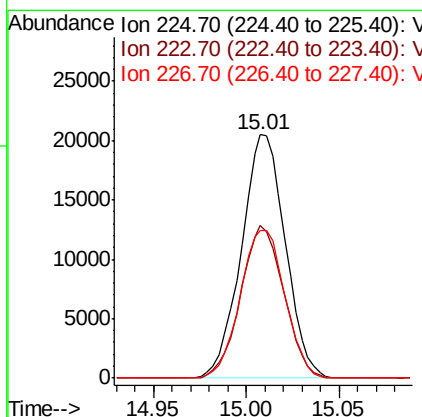
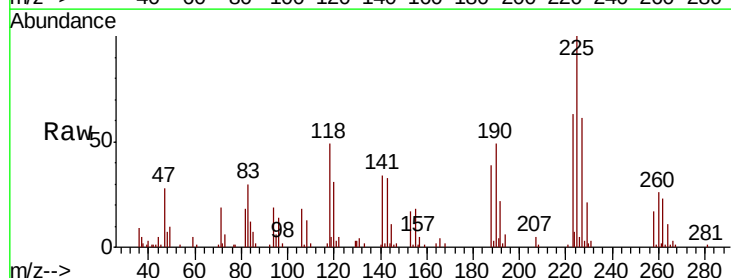
Manual Integrations
 APPROVED

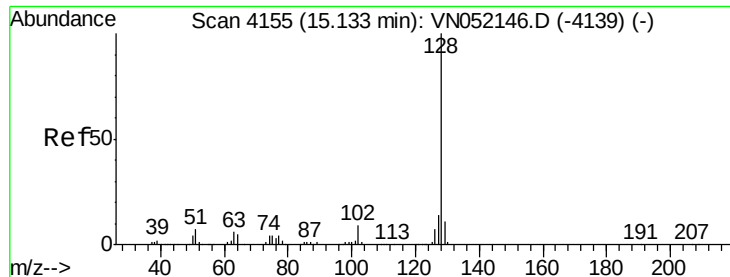
MMDadoda
 11/6/2018 9:59:49 AM



#94
 Hexachlorobutadiene
 Concen: 17.070 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN052145.D
 Acq: 5 Nov 2018 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	33689		
223	61.4	32.3	96.8	
227	61.7	31.6	94.8	





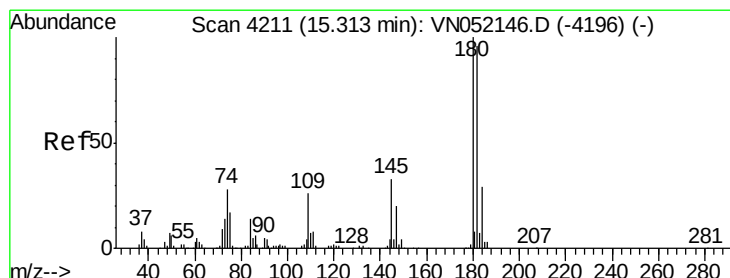
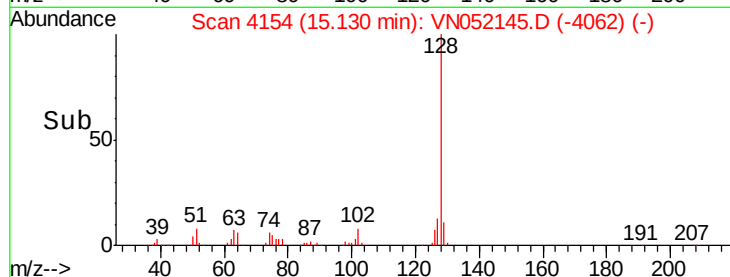
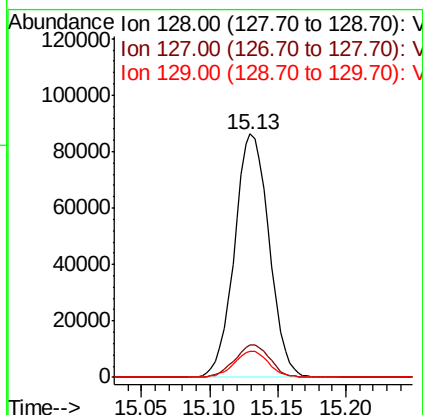
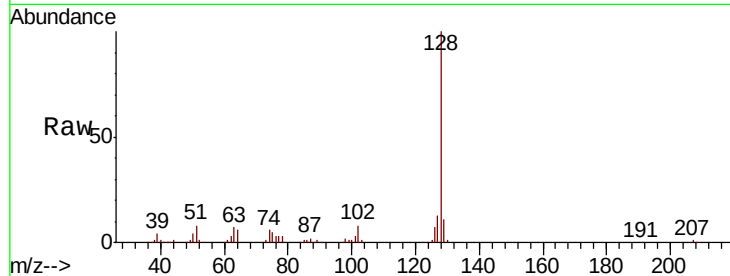
#95
Naphthalene
Concen: 20.328 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN052145.D
Acq: 5 Nov 2018 13:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.8	16.2
129	10.5	9.1	13.7

Manual Integrations
APPROVED

MMDadoda
11/6/2018 9:59:49 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.797 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN052145.D
Acq: 5 Nov 2018 13:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.3	46.6	139.7
145	33.6	16.7	50.0

