

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120718\
 Data File : VL032950.D
 Acq On : 8 Dec 2018 1:45
 Operator : SY/AP
 Sample : VL1207ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 10:09:48 AM

Quant Time: Dec 08 04:46:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 0
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1467279	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3592878	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3545293m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2618545	10.00	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	1525381	7.787	ppbv	99
3) Chlorodifluoromethane	3.01	51	992815	8.934	ppbv	96
4) Chloromethane	3.17	50	558616	8.635	ppbv	98
5) Vinyl Chloride	3.29	62	556854	8.460	ppbv	96
6) Bromomethane	3.51	94	388503	9.436	ppbv	97
7) Chloroethane	3.60	64	229187	9.714	ppbv	97
8) Dichlorotetrafluoroethane	3.22	85	1375614	8.451	ppbv	98
9) Propene	3.04	41	434463	9.888	ppbv	99
10) Heptane	8.25	43	1773344	10.744	ppbv	99
11) Trichlorofluoromethane	4.00	101	1623134	8.795	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1381716	8.776	ppbv	100
13) Ethanol	3.65	45	106234	7.022	ppbv	96
14) Bromoethene	3.79	108	513064	9.815	ppbv	99
15) Acetone	3.90	43	1046625	8.310	ppbv	98
16) 1,3-Butadiene	3.36	39	530235	10.612	ppbv	96
17) tert-Butyl alcohol	4.35	59	281599m	8.782	ppbv	
18) 1,1-Dichloroethene	4.35	96	512289	8.308	ppbv	98
19) Isopropyl Alcohol	4.02	45	816915	10.329	ppbv	100
20) Methylene Chloride	4.41	84	498540	8.099	ppbv	93
21) Allyl Chloride	4.48	41	1030082	10.036	ppbv	97
22) trans-1,2-Dichloroethene	4.96	96	663616	8.671	ppbv	99
23) Vinyl Acetate	5.16	43	2198367	10.310	ppbv	100
24) 1,1-Dichloroethane	5.09	63	1624366	8.760	ppbv	99
25) Ethyl Acetate	5.77	43	3051016	10.255	ppbv	100
26) Hexane	5.78	57	1422569	10.357	ppbv	99
27) Carbon Disulfide	4.62	76	1613496	9.395	ppbv	100
28) Methyl tert-Butyl Ether	5.11	73	2070565	10.037	ppbv	99
29) Chloroform	5.85	83	2232880	9.111	ppbv	96
30) Cyclohexane	7.25	84	1231768	10.820	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	1245872	9.884	ppbv	97
32) 1,1,1-Trichloroethane	6.62	97	2214894	8.541	ppbv	99
34) 2-Butanone	5.33	43	1707051	10.908	ppbv	100
35) Carbon Tetrachloride	7.14	117	2526775	8.947	ppbv	99
36) Benzene	7.01	78	2875655	10.882	ppbv	98
37) 1,2-Dichloroethane	6.42	62	1786715	9.931	ppbv	98
38) Trichloroethene	7.96	130	1169488	10.634	ppbv	98
39) 1,2-Dichloropropane	7.74	63	1101348	10.989	ppbv	91
40) 1,4-Dioxane	7.96	88	408621	11.069	ppbv #	94
41) Tetrahydrofuran	6.15	42	1135960	11.671	ppbv	98
42) Bromodichloromethane	7.92	83	2523487	10.123	ppbv	99
43) Methyl Methacrylate	8.14	69	1148193	11.726	ppbv	100

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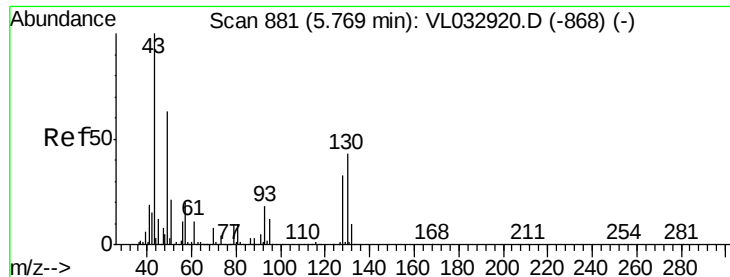
Manual Integrations
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Quant Time: Dec 08 04:46:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 0
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	4904154	10.933	ppbv	98
45) t-1,3-Dichloropropene	9.42	75	1555160	12.953	ppbv	98
46) cis-1,3-Dichloropropene	8.84	75	1810922	12.323	ppbv	100
47) 1,1,2-Trichloroethane	9.62	97	1202459	10.900	ppbv	98
48) Dibromochloromethane	10.46	129	2199153	10.627	ppbv	99
49) Bromoform	13.21	173	1827382	10.736	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	2776002	11.092	ppbv	100
51) 2-Hexanone	10.27	43	2229263	13.135	ppbv	98
52) Tetrachloroethene	11.38	164	1035254	10.770	ppbv	98
53) Toluene	9.95	91	3283537	11.716	ppbv	99
54) 1,2-Dibromoethane	10.76	107	1871864	10.862	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.29	131	1538743	9.735	ppbv	99
57) Chlorobenzene	12.31	112	2525204	9.862	ppbv	97
58) Ethyl Benzene	12.87	91	4785784	12.654	ppbv	96
59) m/p-Xylene	13.13	91	7481568m	21.819	ppbv	
60) o-Xylene	13.85	91	3888739	11.230	ppbv	98
61) Styrene	13.69	104	2769136	12.022	ppbv	98
62) Isopropylbenzene	14.83	105	5183073	10.728	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	2661748	9.899	ppbv	99
64) n-propylbenzene	15.73	120	1424722	11.354	ppbv	97
65) tert-Butylbenzene	16.91	119	4843353	10.814	ppbv	99
66) Benzyl Chloride	17.16	91	2829787	11.399	ppbv	99
67) sec-Butylbenzene	17.46	105	6774698	10.260	ppbv	100
69) p-Isopropyltoluene	17.82	119	5263078	9.835	ppbv	100
70) n-Butylbenzene	18.72	91	5361395	10.890	ppbv	100
71) 2-Chlorotoluene	15.62	91	4214508	11.731	ppbv	99
72) 4-Ethyltoluene	16.01	105	4270826	11.048	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	4047689	10.725	ppbv	100
74) 1,2,4-Trimethylbenzene	16.93	105	4372236	10.260	ppbv	98
75) 1,3-Dichlorobenzene	17.17	146	2494707	9.941	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	2460539	10.508	ppbv	99
77) 1,2-Dichlorobenzene	17.99	146	2235085	9.537	ppbv	100
78) Hexachloro-1,3-Butadiene	23.54	225	968825	7.517	ppbv	99
79) Naphthalene	22.42	128	3183251	11.569	ppbv	99
80) Naphthalene,2-methyl-	25.12	142	827137	14.069	ppbv	99
81) 1,2,4-Trichlorobenzene	22.14	180	1552231	10.637	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.01 min

Lab File: VL032950.D

Acq: 8 Dec 2018 1:45

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

Tgt Ion: 49 Resp: 1467279

Ion Ratio Lower Upper

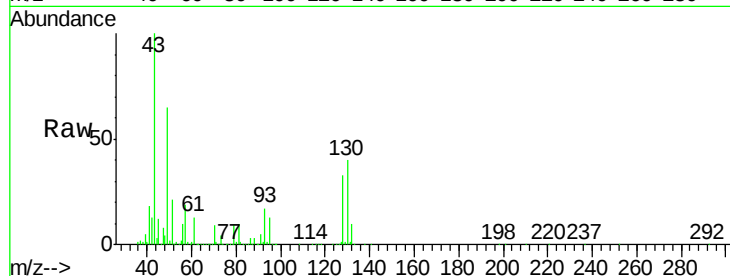
49 100

128 51.7 26.3 78.8

130 65.6 33.9 101.7

Manual Integrations
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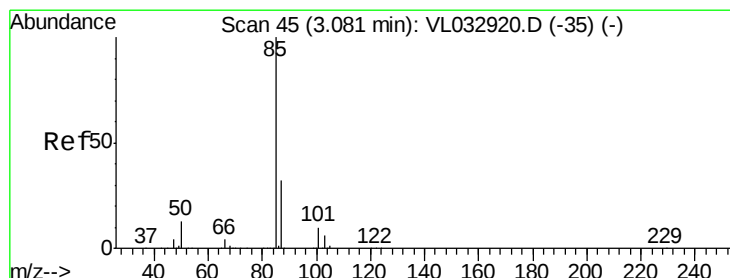
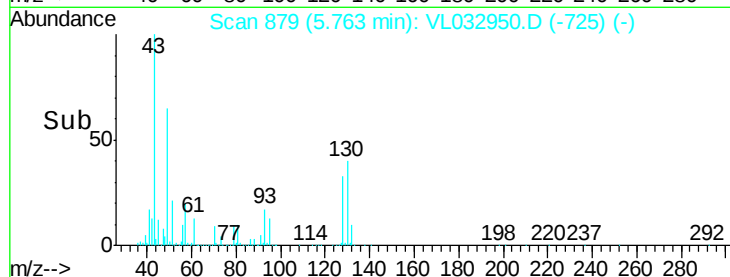
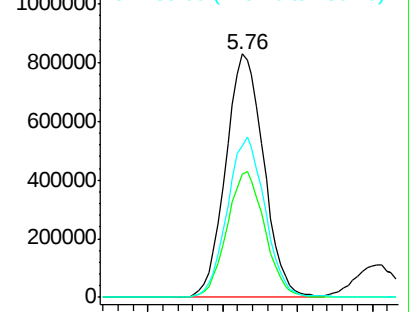
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.787 ppbv

RT: 3.08 min Scan# 43

Delta R.T. -0.01 min

Lab File: VL032950.D

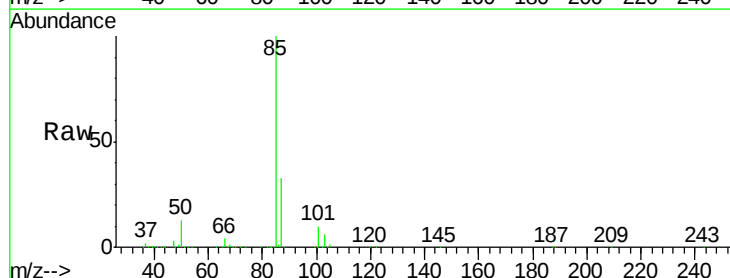
Acq: 8 Dec 2018 1:45

Tgt Ion: 85 Resp: 1525381

Ion Ratio Lower Upper

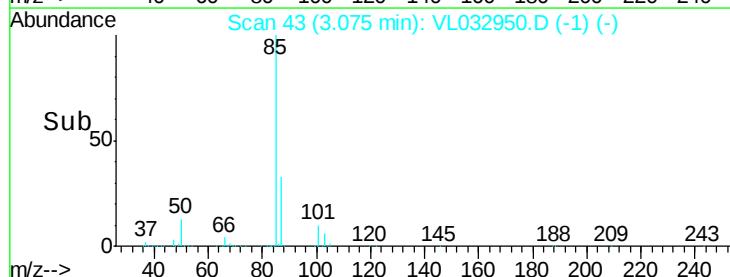
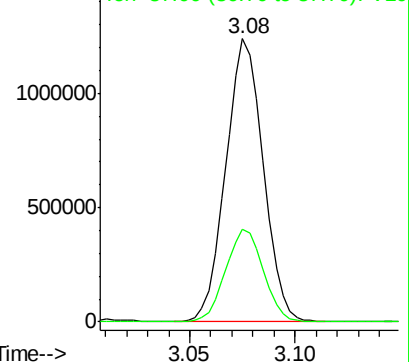
85 100

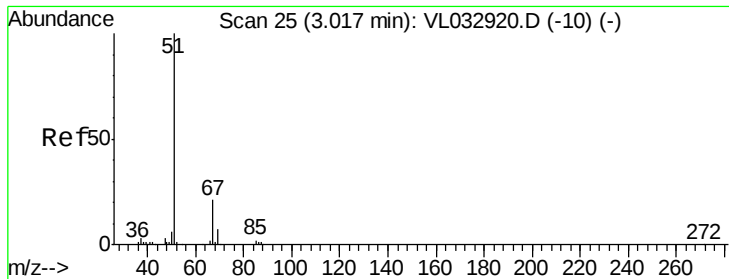
87 32.6 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.934 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.00 min

Lab File: VL032950.D

Acq: 8 Dec 2018 1:45

Tgt Ion: 51 Resp: 992815

Ion Ratio Lower Upper

51 100

67 19.3 16.8 25.2

Instrument :

MSVOA_L

ClientSampleId :

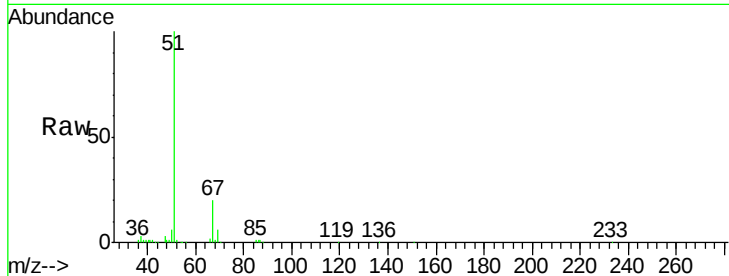
VL1207ABS01

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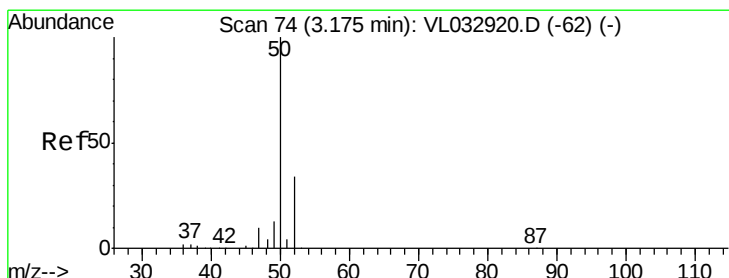
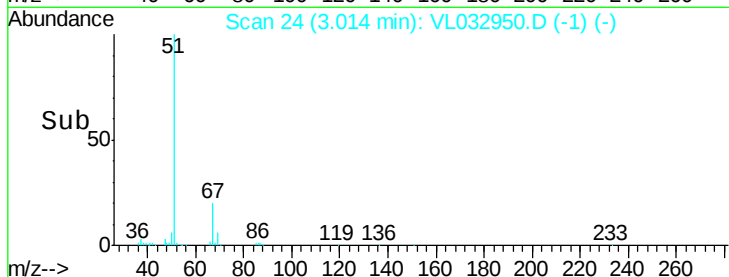
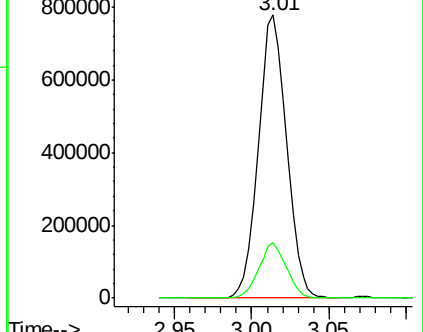
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.635 ppbv

RT: 3.17 min Scan# 72

Delta R.T. -0.01 min

Lab File: VL032950.D

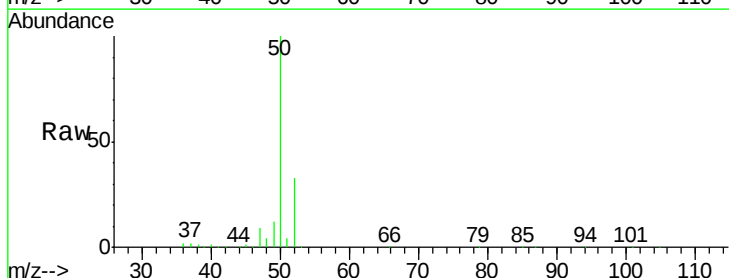
Acq: 8 Dec 2018 1:45

Tgt Ion: 50 Resp: 558616

Ion Ratio Lower Upper

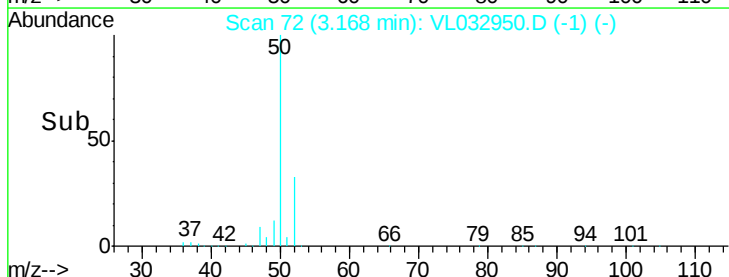
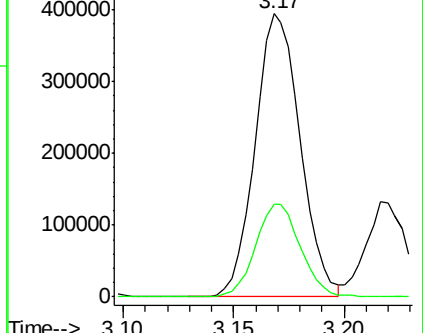
50 100

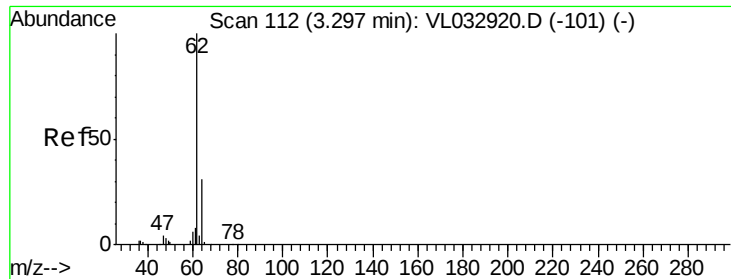
52 32.8 27.3 40.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.460 ppbv

RT: 3.29 min Scan# 110

Delta R.T. -0.01 min

Lab File: VL032950.D

Acq: 8 Dec 2018 1:45

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

Tgt Ion: 62 Resp: 556854

Ion Ratio Lower Upper

62 100

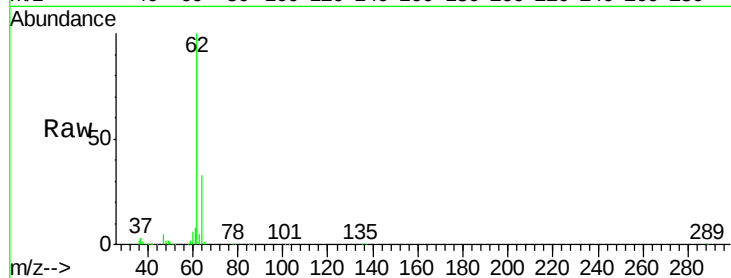
64 33.2 24.8 37.2

Manual Integrations

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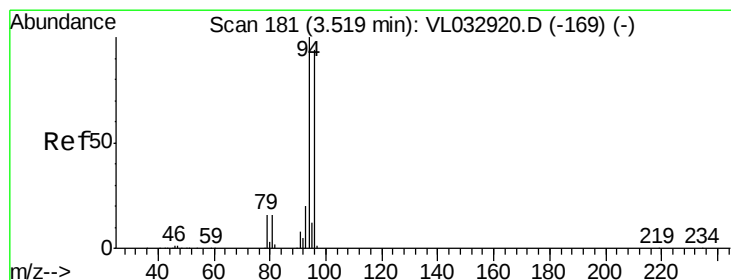
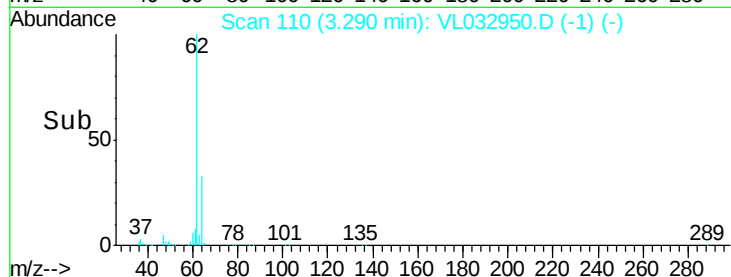
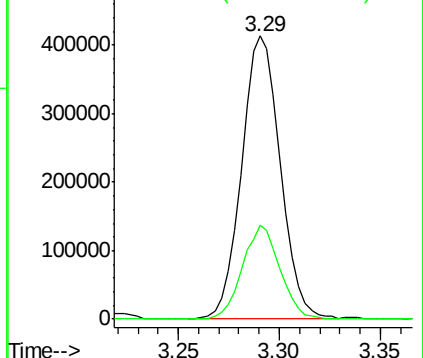
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.436 ppbv

RT: 3.51 min Scan# 179

Delta R.T. -0.01 min

Lab File: VL032950.D

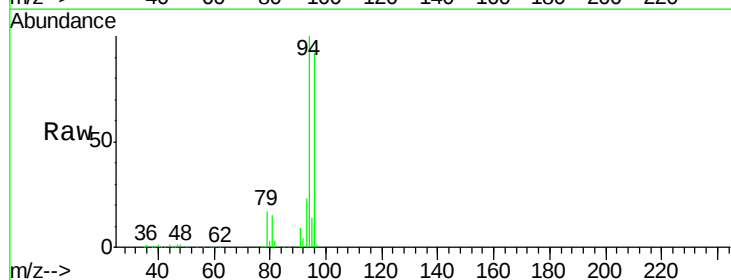
Acq: 8 Dec 2018 1:45

Tgt Ion: 94 Resp: 388503

Ion Ratio Lower Upper

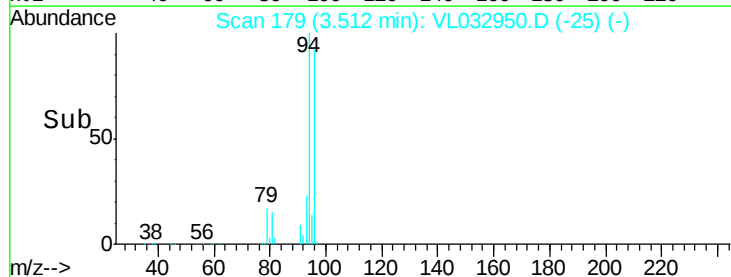
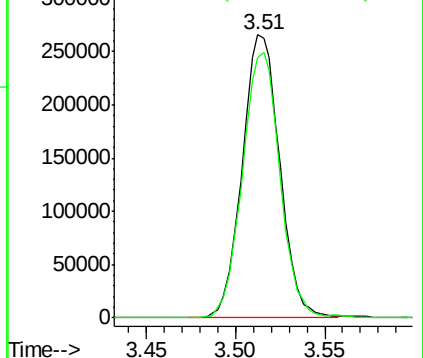
94 100

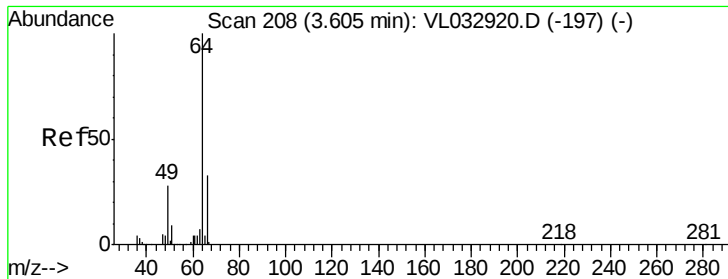
96 91.9 75.5 113.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.714 ppbv

RT: 3.60 min Scan# 206

Delta R.T. -0.01 min

Lab File: VL032950.D

Acq: 8 Dec 2018 1:45

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

Tgt Ion: 64 Resp: 229187

Ion Ratio Lower Upper

64 100

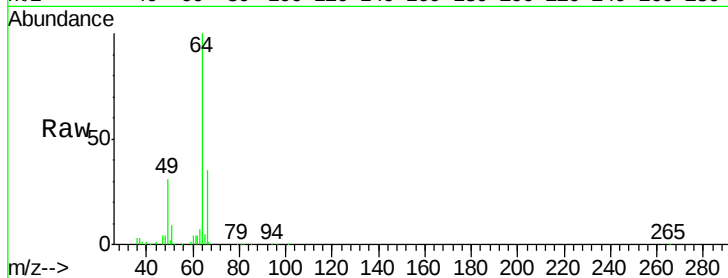
66 35.1 26.6 40.0

Manual Integrations

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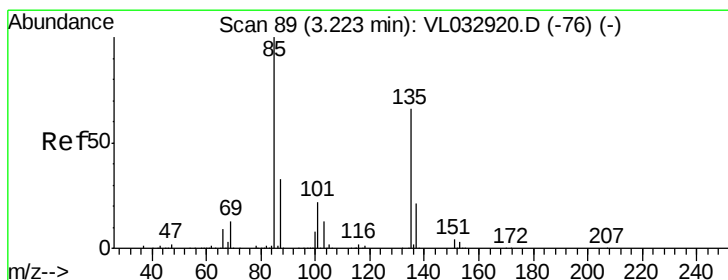
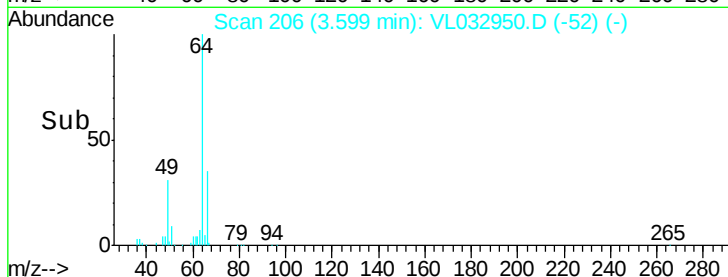
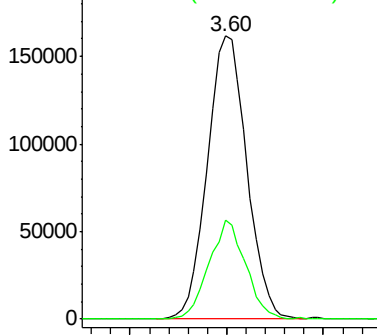
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 8.451 ppbv

RT: 3.22 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL032950.D

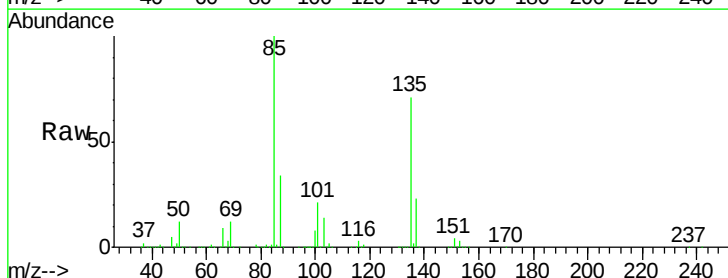
Acq: 8 Dec 2018 1:45

Tgt Ion: 85 Resp: 1375614

Ion Ratio Lower Upper

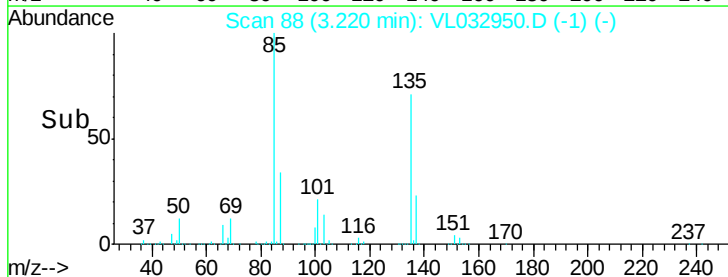
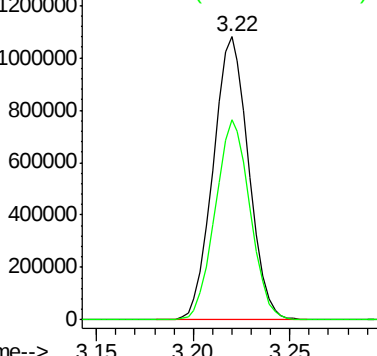
85 100

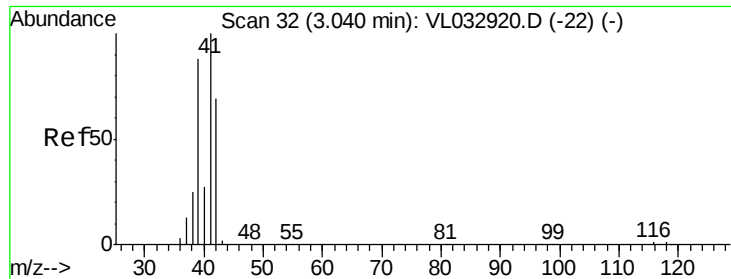
135 70.0 54.5 81.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.888 ppbv

RT: 3.04 min Scan# 31

Delta R.T. -0.00 min

Lab File: VL032950.D

Acq: 8 Dec 2018 1:45

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

Tgt Ion: 41 Resp: 434463

Ion Ratio Lower Upper

41 100

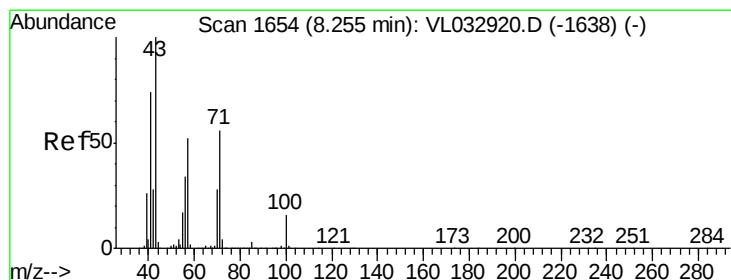
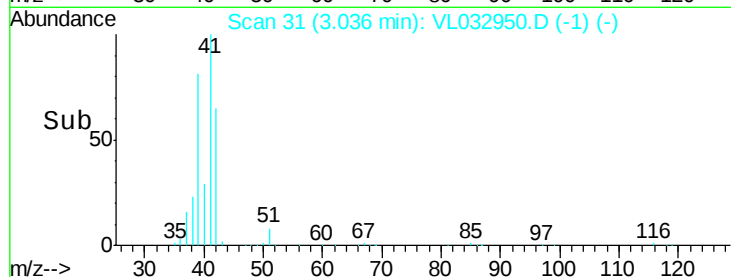
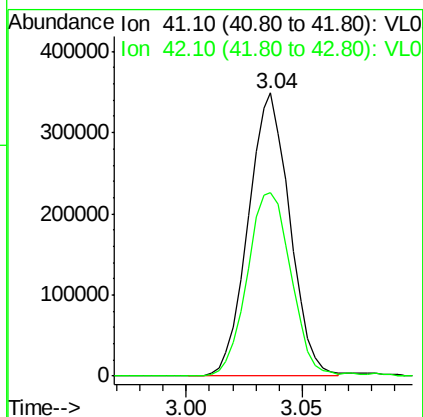
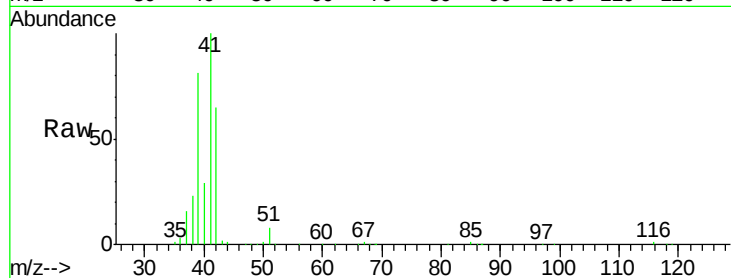
42 69.4 56.2 84.2

Manual Integrations

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#10

Heptane

Concen: 10.744 ppbv

RT: 8.25 min Scan# 1652

Delta R.T. -0.01 min

Lab File: VL032950.D

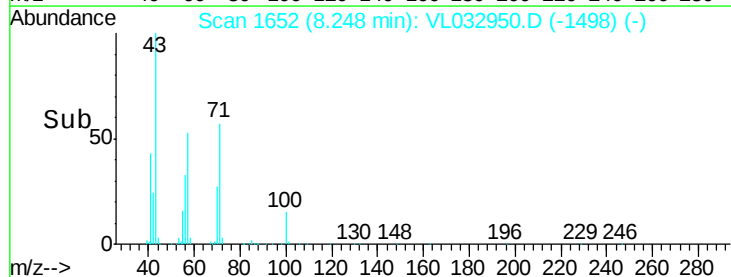
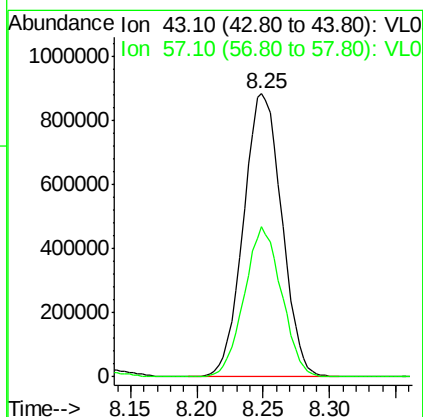
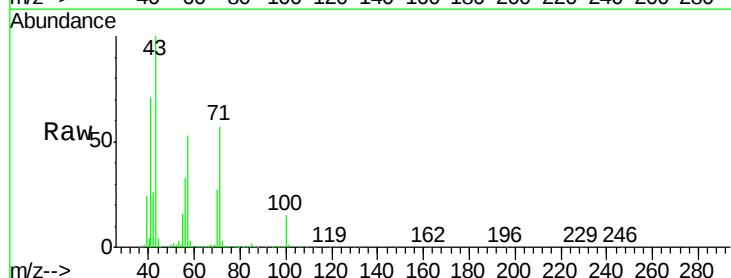
Acq: 8 Dec 2018 1:45

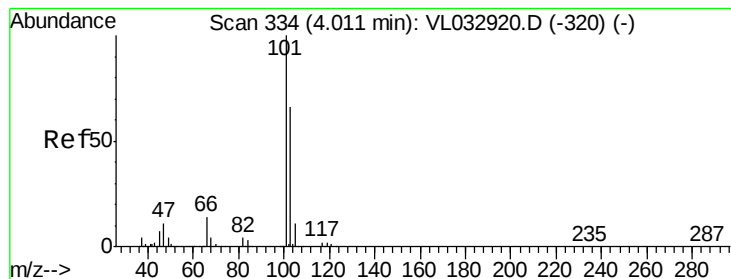
Tgt Ion: 43 Resp: 1773344

Ion Ratio Lower Upper

43 100

57 51.6 41.8 62.6





#11

Trichlorofluoromethane

Concen: 8.795 ppbv

RT: 4.00 min Scan# 332

Delta R.T. -0.01 min

Lab File: VL032950.D

Acq: 8 Dec 2018 1:45

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

Tgt Ion:101 Resp: 1623134

Ion Ratio Lower Upper

101 100

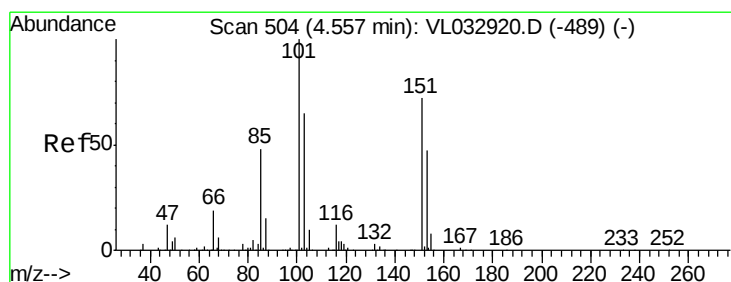
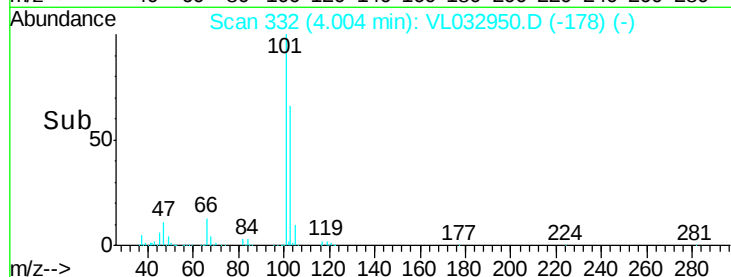
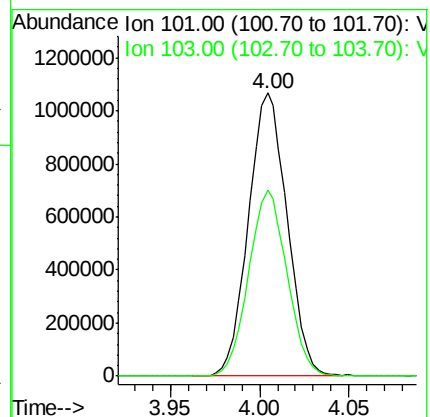
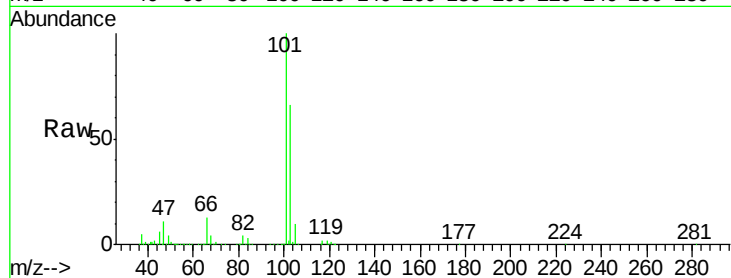
103 65.7 52.7 79.1

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.776 ppbv

RT: 4.55 min Scan# 502

Delta R.T. -0.01 min

Lab File: VL032950.D

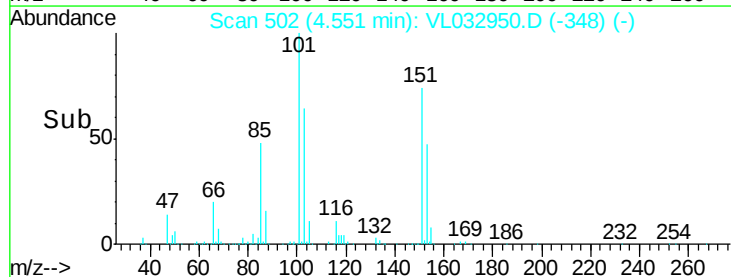
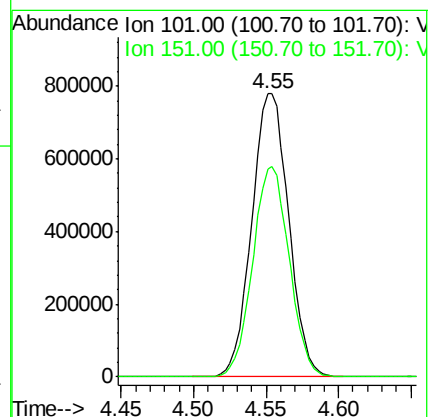
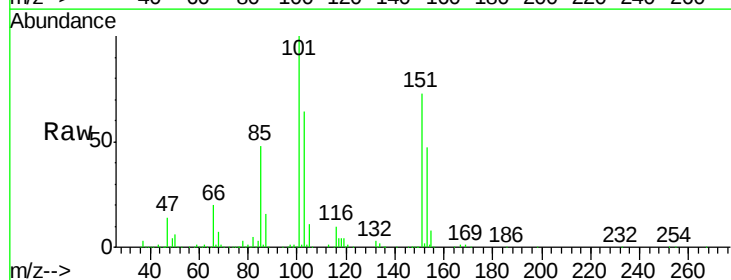
Acq: 8 Dec 2018 1:45

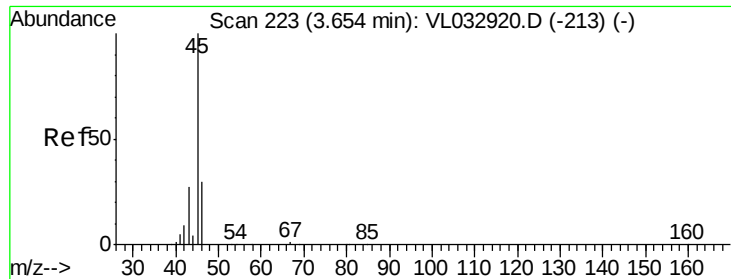
Tgt Ion:101 Resp: 1381716

Ion Ratio Lower Upper

101 100

151 73.7 59.3 88.9





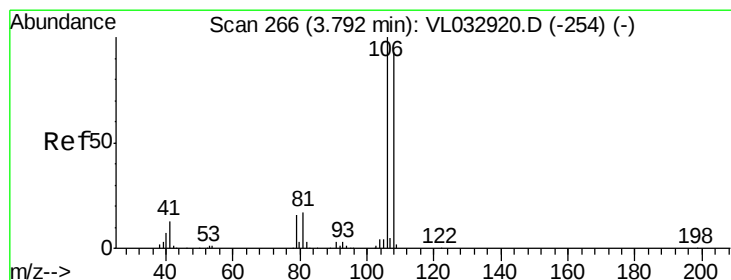
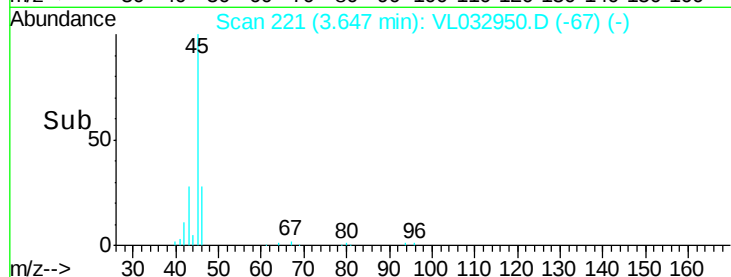
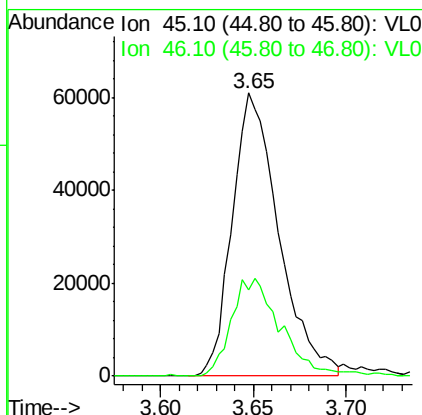
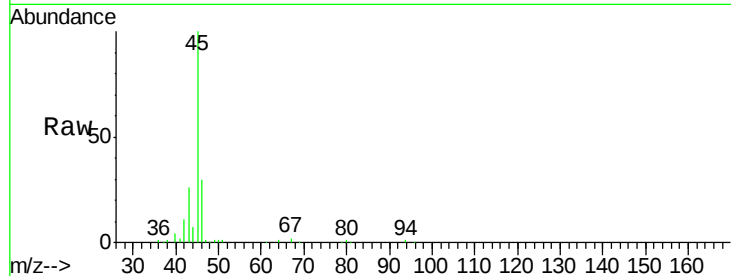
#13
Ethanol
Concen: 7.022 ppbv
RT: 3.65 min Scan# 221
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Instrument :
MSVOA_L
ClientSampleId :
VL1207ABS01

Tgt Ion	Ratio	Lower	Upper
45	100		
46	37.1	13.8	55.4

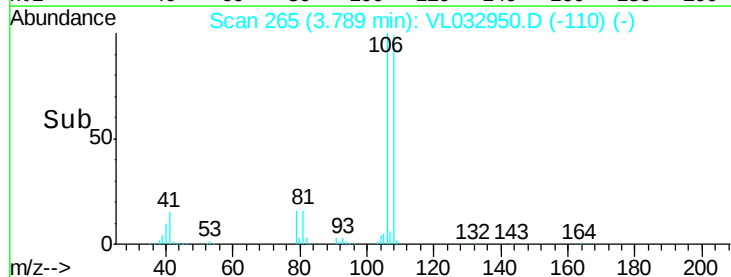
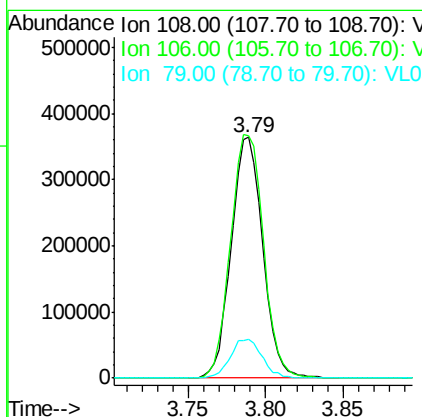
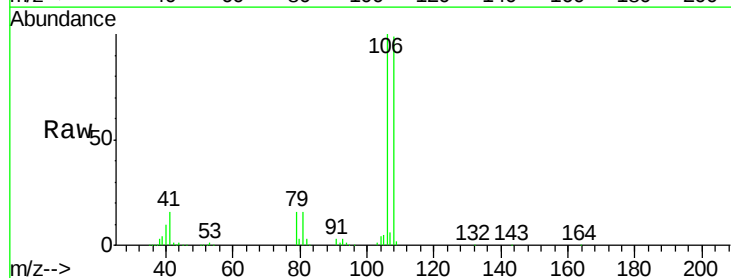
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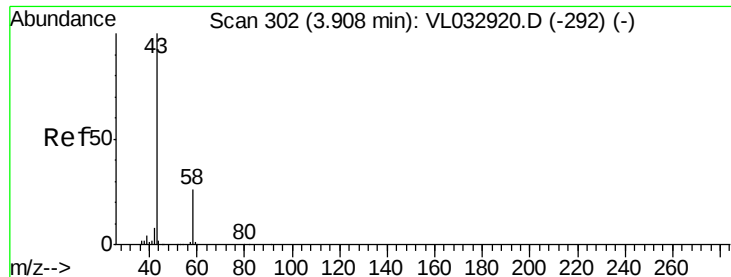
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#14
Bromoethene
Concen: 9.815 ppbv
RT: 3.79 min Scan# 265
Delta R.T. -0.00 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion	Ratio	Lower	Upper
108	100		
106	105.9	85.4	128.2
79	16.5	14.6	21.8





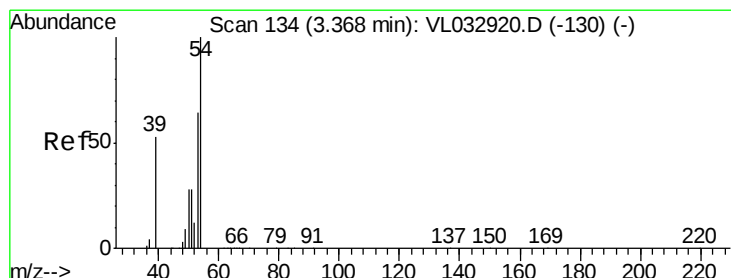
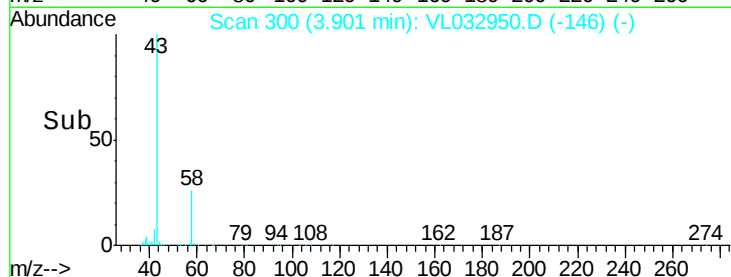
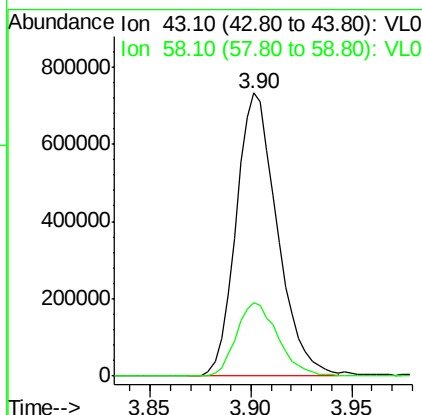
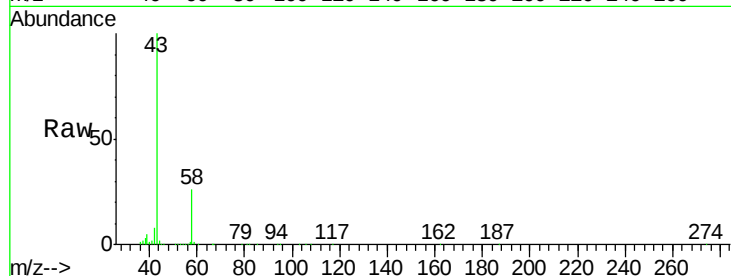
#15
Acetone
Concen: 8.310 ppbv
RT: 3.90 min Scan# 300
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Instrument :
MSVOA_L
ClientSampleId :
VL1207ABS01

Tgt Ion: 43 Resp: 1046625
Ion Ratio Lower Upper
43 100
58 26.6 20.6 30.8

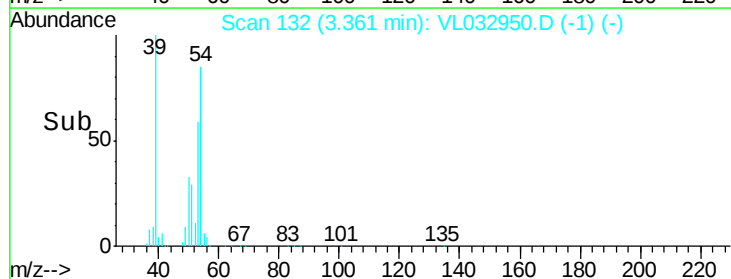
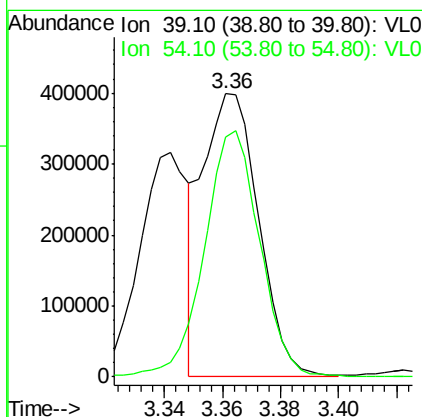
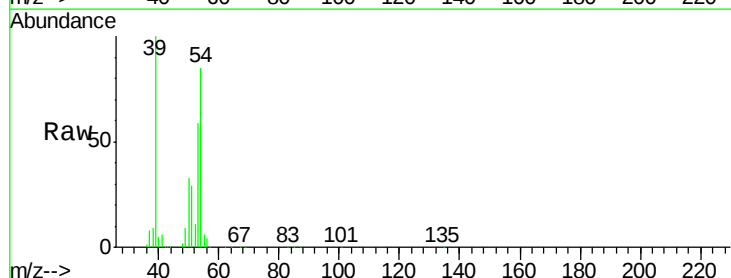
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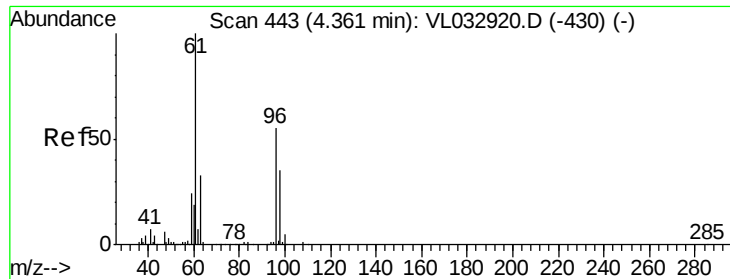
MMDadoda
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#16
1,3-Butadiene
Concen: 10.612 ppbv
RT: 3.36 min Scan# 132
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion: 39 Resp: 530235
Ion Ratio Lower Upper
39 100
54 87.3 72.7 109.1





#17

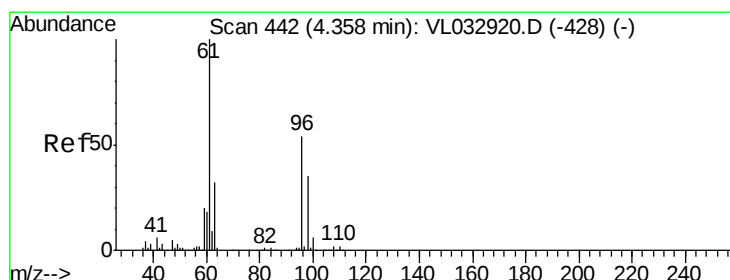
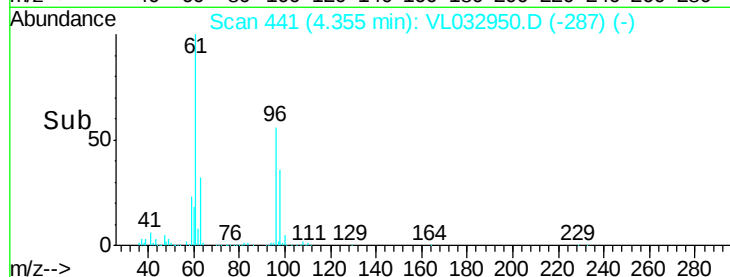
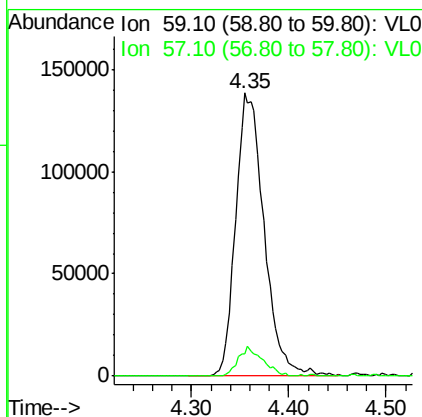
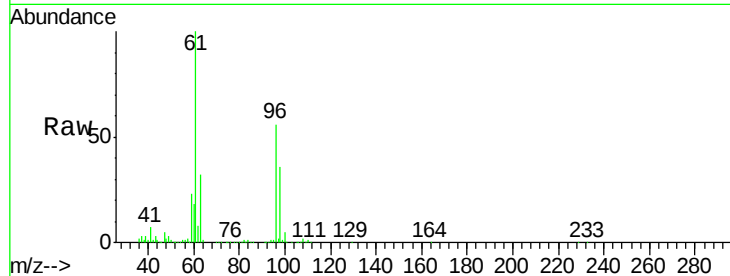
tert-Butyl alcohol
Concen: 8.782 ppbv m
RT: 4.35 min Scan# 441
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Instrument :
MSVOA_L
ClientSampleId :
VL1207ABS01

Tgt Ion: 59 Resp: 281599
Ion Ratio Lower Upper
59 100
57 9.3 0.6 1.0#

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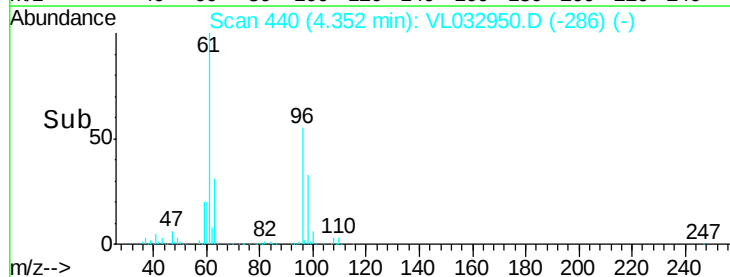
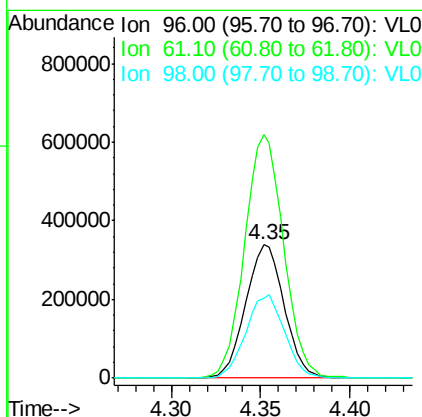
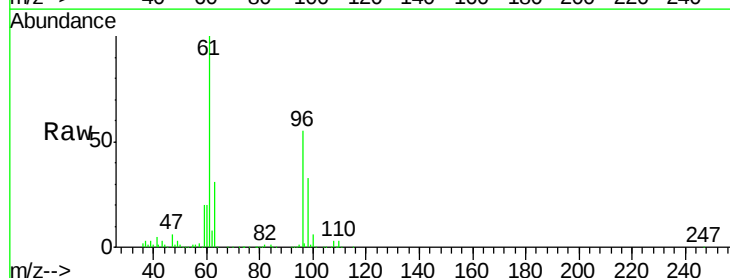
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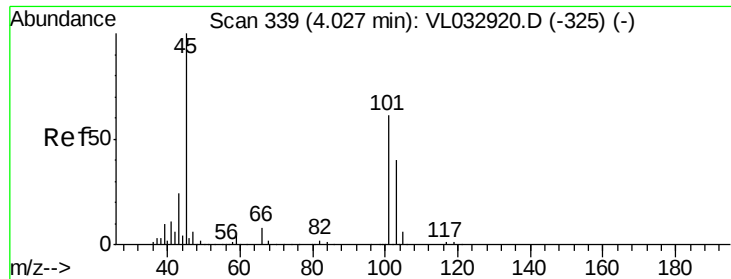


#18

1,1-Dichloroethene
Concen: 8.308 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion: 96 Resp: 512289
Ion Ratio Lower Upper
96 100
61 182.7 147.0 220.4
98 60.0 50.7 76.1





#19

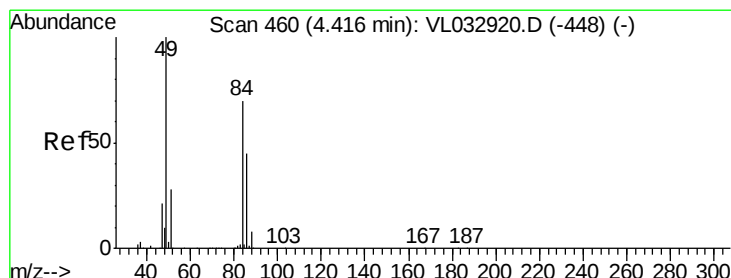
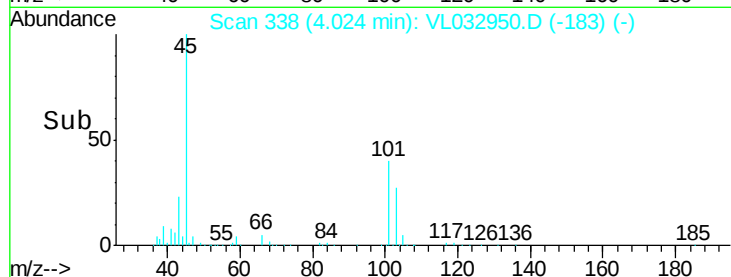
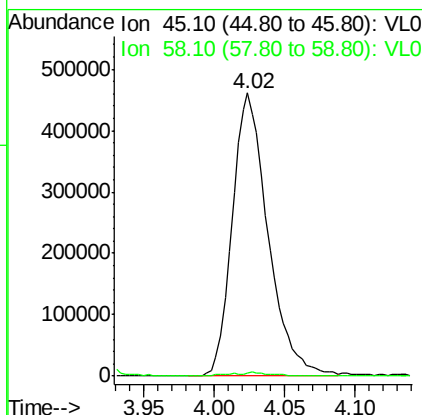
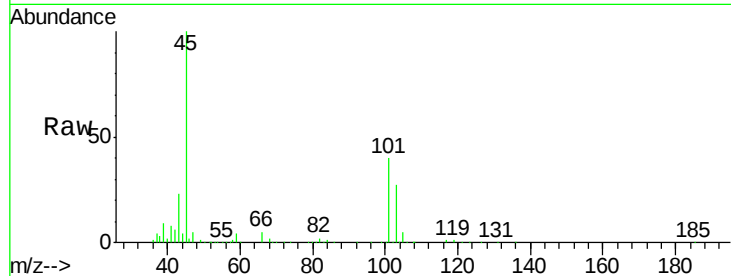
Isopropyl Alcohol
 Concen: 10.329 ppbv
 RT: 4.02 min Scan# 338
 Delta R.T. -0.00 min
 Lab File: VL032950.D
 Acq: 8 Dec 2018 1:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

Tgt Ion: 45 Resp: 816915
 Ion Ratio Lower Upper
 45 100
 58 1.7 1.4 2.2

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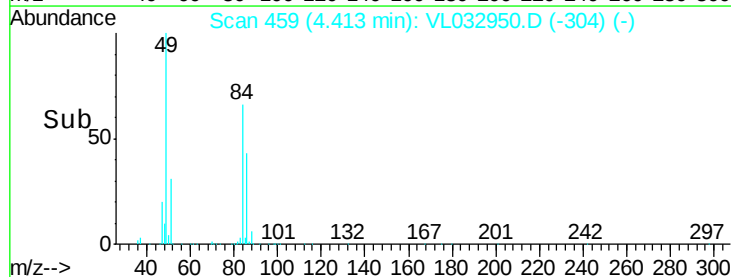
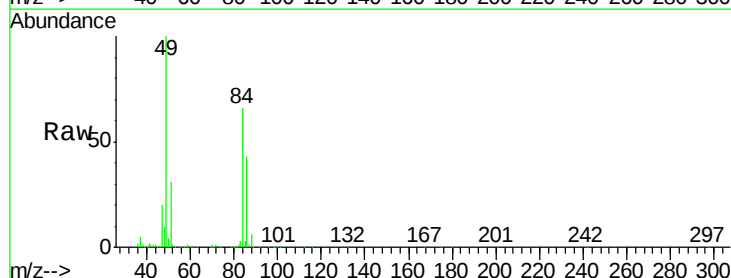
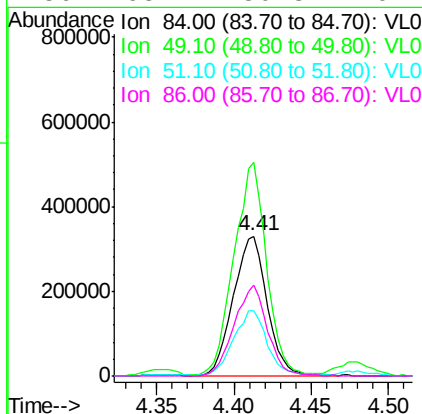
MMDadoda
 12/11/2018 10:09:48 AM

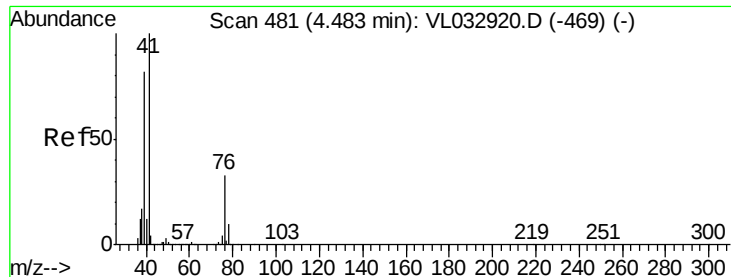


#20

Methylene Chloride
 Concen: 8.099 ppbv
 RT: 4.41 min Scan# 459
 Delta R.T. -0.00 min
 Lab File: VL032950.D
 Acq: 8 Dec 2018 1:45

Tgt Ion: 84 Resp: 498540
 Ion Ratio Lower Upper
 84 100
 49 151.6 113.8 170.8
 51 46.2 31.8 47.8
 86 65.2 50.8 76.2





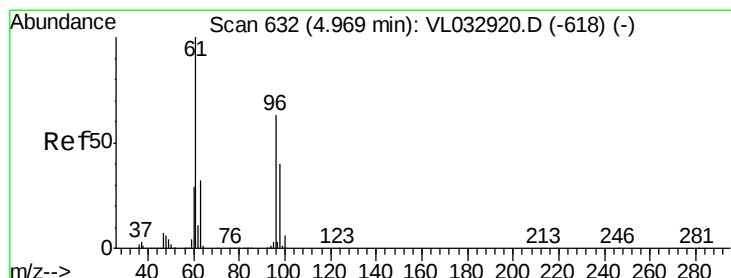
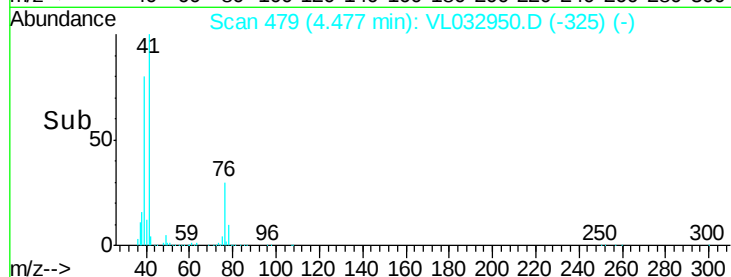
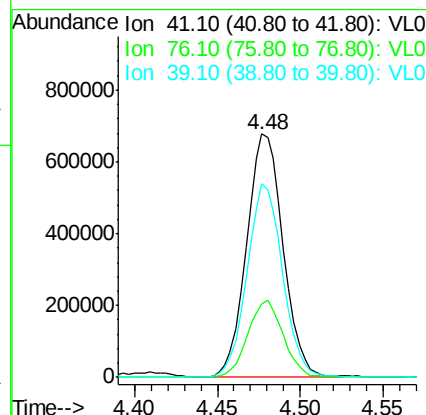
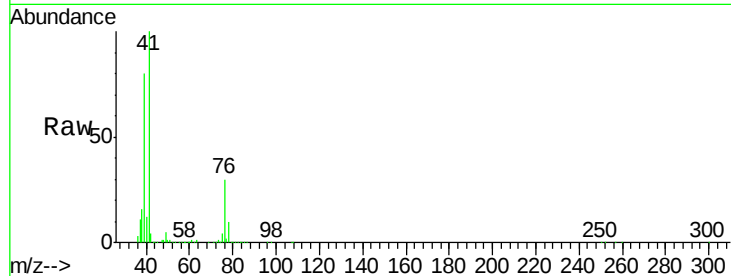
#21
 Allyl Chloride
 Concen: 10.036 ppbv
 RT: 4.48 min Scan# 479
 Delta R.T. -0.01 min
 Lab File: VL032950.D
 Acq: 8 Dec 2018 1:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

Tgt Ion: 41 Resp: 1030082
 Ion Ratio Lower Upper
 41 100
 76 31.0 25.2 37.8
 39 78.1 65.2 97.8

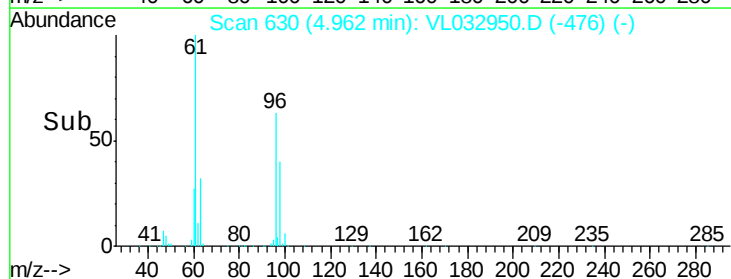
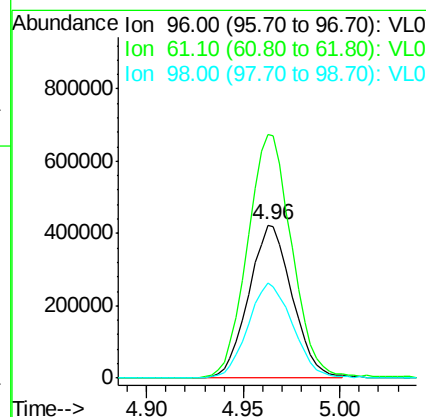
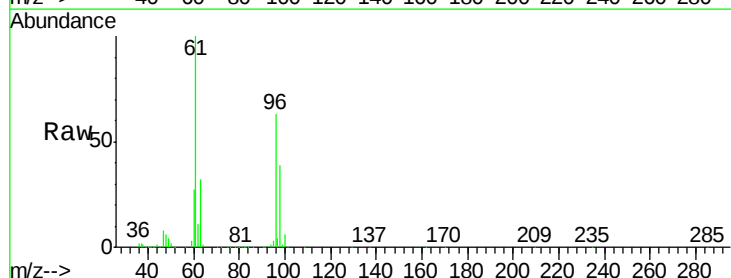
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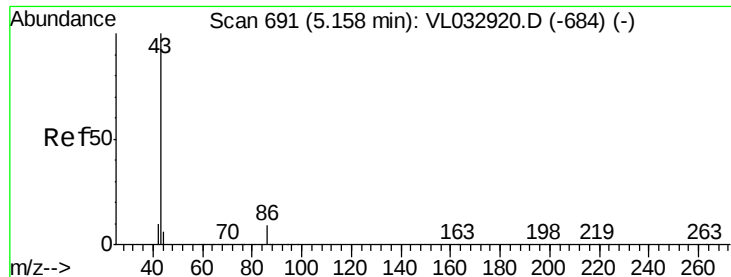
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#22
 trans-1,2-Dichloroethene
 Concen: 8.671 ppbv
 RT: 4.96 min Scan# 630
 Delta R.T. -0.01 min
 Lab File: VL032950.D
 Acq: 8 Dec 2018 1:45

Tgt Ion: 96 Resp: 663616
 Ion Ratio Lower Upper
 96 100
 61 159.2 127.1 190.7
 98 62.6 51.3 76.9





#23
 Vinyl Acetate
 Concen: 10.310 ppbv
 RT: 5.16 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VL032950.D
 Acq: 8 Dec 2018 1:45

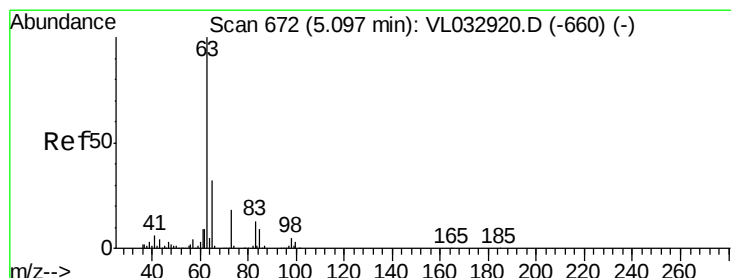
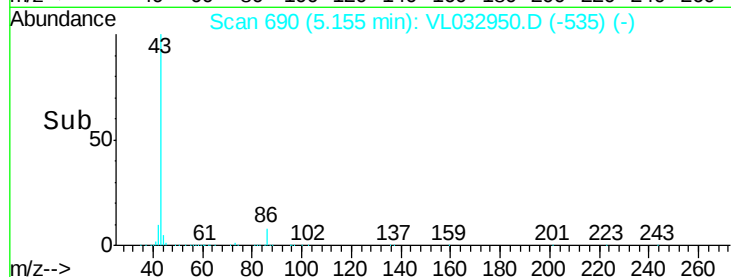
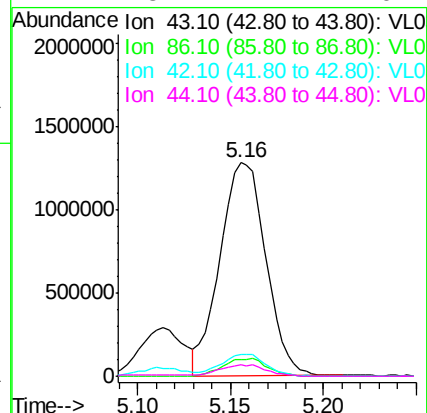
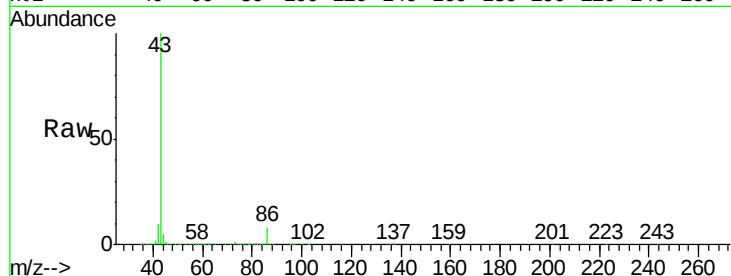
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

Tgt Ion: 43 Resp: 2198367

Ion	Ratio	Lower	Upper
43	100		
86	8.1	6.6	9.8
42	10.2	8.3	12.5
44	5.2	4.2	6.4

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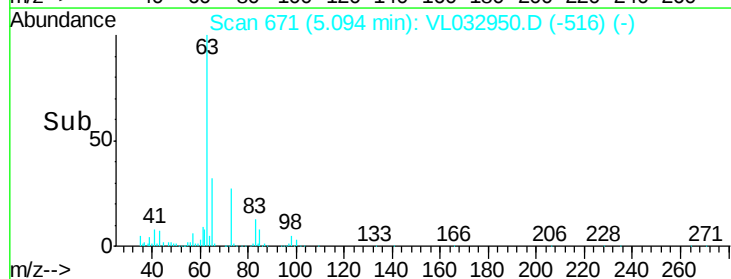
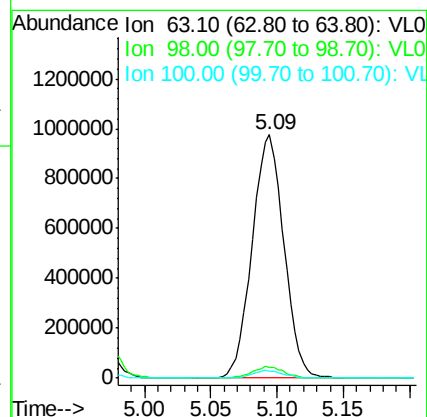
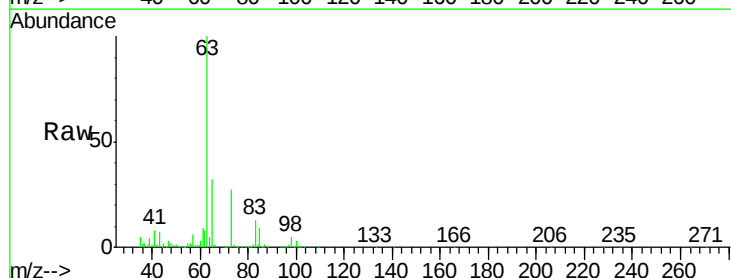
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 12/11/2018 10:09:48 AM

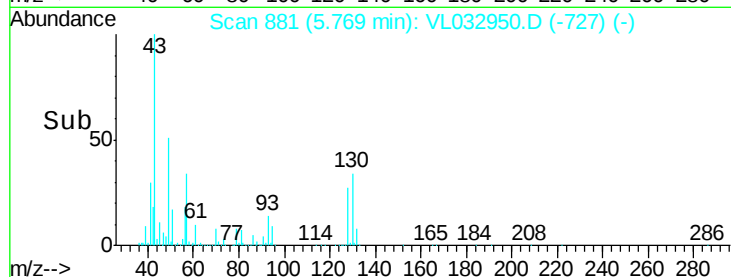
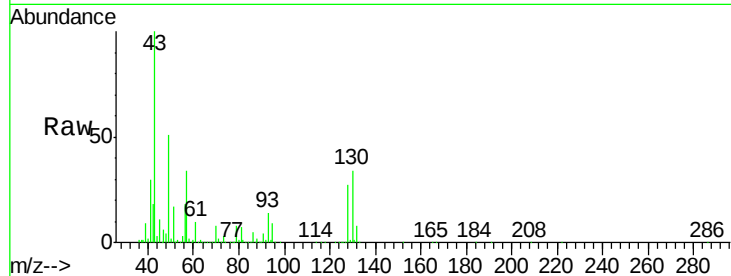
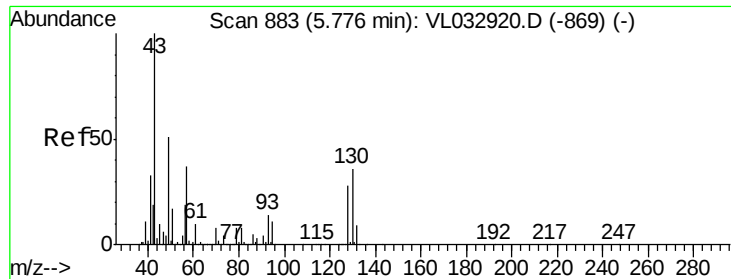


#24
 1,1-Dichloroethane
 Concen: 8.760 ppbv
 RT: 5.09 min Scan# 671
 Delta R.T. -0.00 min
 Lab File: VL032950.D
 Acq: 8 Dec 2018 1:45

Tgt Ion: 63 Resp: 1624366

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.5	7.5
100	2.9	1.4	4.2





#25

Ethyl Acetate

Concen: 10.255 ppbv

RT: 5.77 min Scan# 881

Delta R.T. -0.01 min

Lab File: VL032950.D

Acq: 8 Dec 2018 1:45

Tgt Ion: 43 Resp: 3051016

Ion Ratio Lower Upper

43 100

45 9.9 7.8 11.6

61 9.4 7.4 11.2

70 7.3 5.7 8.5

Instrument :

MSVOA_L

ClientSampleId :

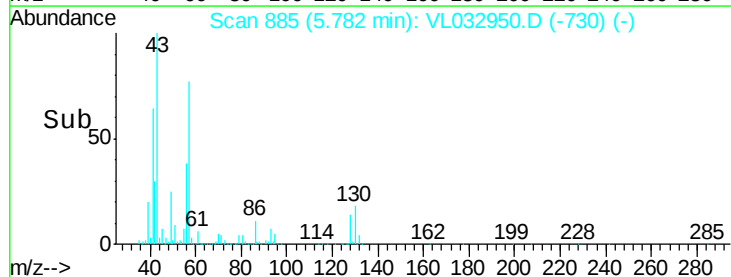
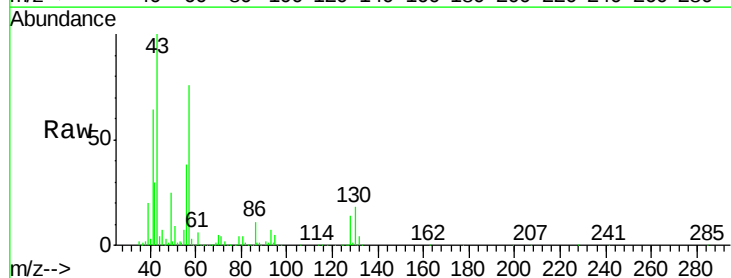
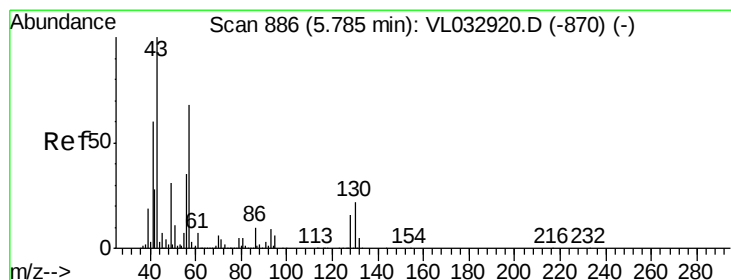
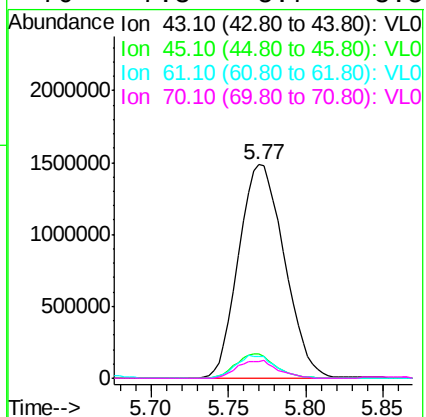
VL1207ABS01

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#26

Hexane

Concen: 10.357 ppbv

RT: 5.78 min Scan# 885

Delta R.T. -0.00 min

Lab File: VL032950.D

Acq: 8 Dec 2018 1:45

Tgt Ion: 57 Resp: 1422569

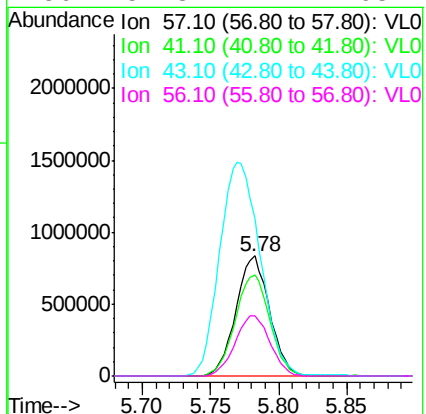
Ion Ratio Lower Upper

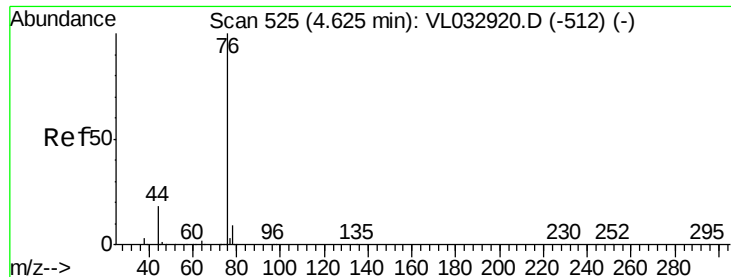
57 100

41 87.5 72.2 108.2

43 216.2 171.9 257.9

56 52.3 42.2 63.2





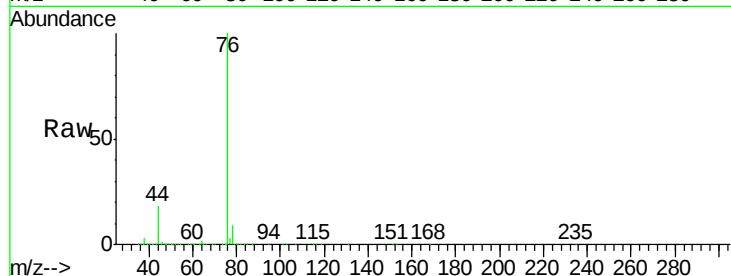
#27
Carbon Disulfide
Concen: 9.395 ppbv
RT: 4.62 min Scan# 524
Delta R.T. -0.00 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Instrument :
MSVOA_L
ClientSampleId :
VL1207ABS01

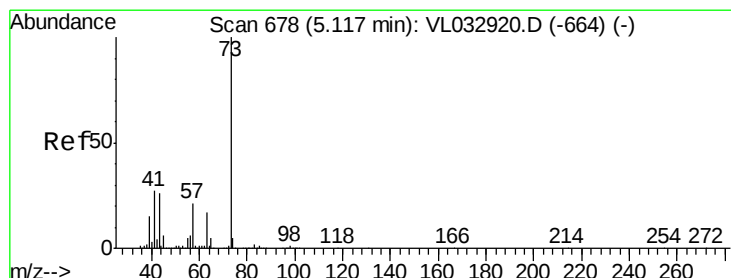
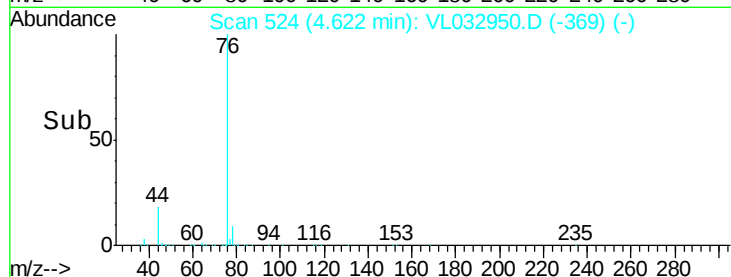
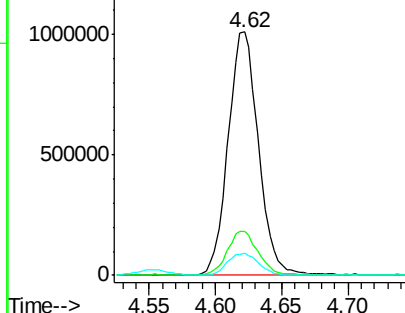
Tgt Ion: 76 Resp: 1613496
Ion Ratio Lower Upper
76 100
44 18.2 14.7 22.1
78 9.2 7.4 11.2

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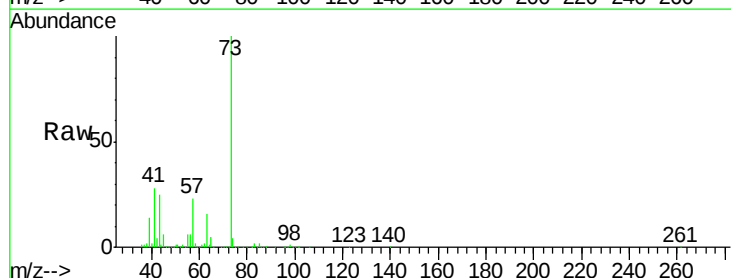


Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0

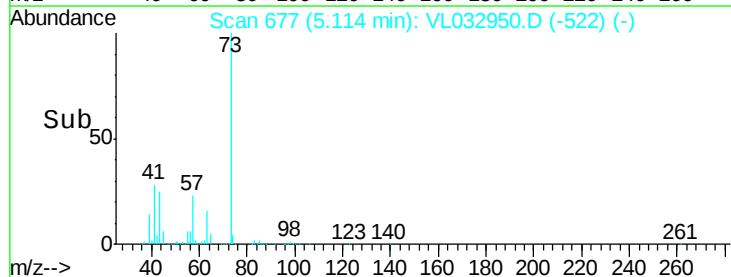
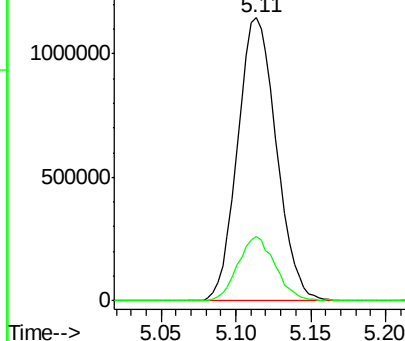


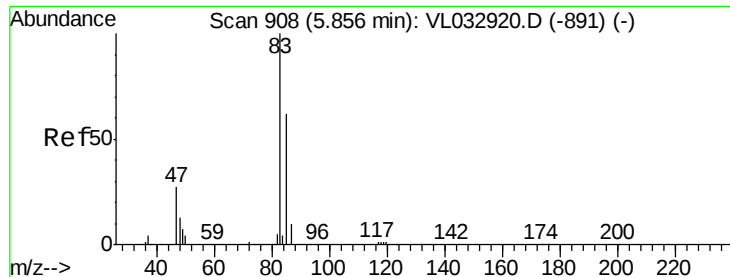
#28
Methyl tert-Butyl Ether
Concen: 10.037 ppbv
RT: 5.11 min Scan# 677
Delta R.T. -0.00 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion: 73 Resp: 2070565
Ion Ratio Lower Upper
73 100
57 22.0 17.4 26.0



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





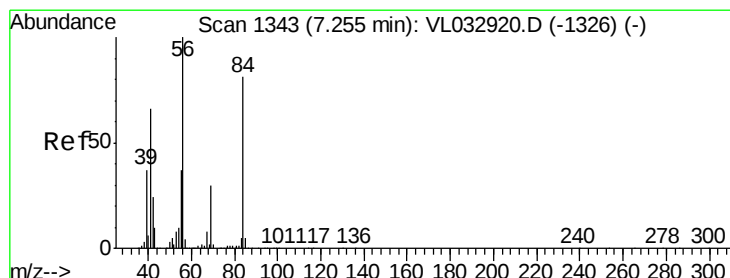
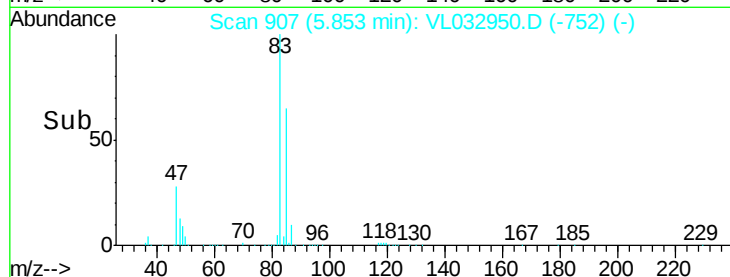
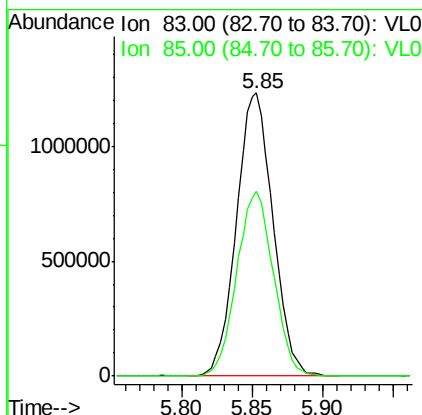
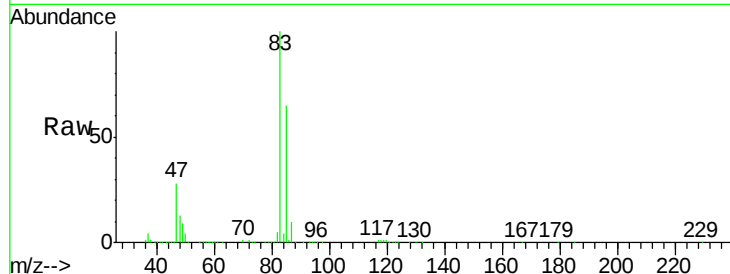
#29
Chloroform
Concen: 9.111 ppbv
RT: 5.85 min Scan# 907
Delta R.T. -0.00 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Instrument :
MSVOA_L
ClientSampleId :
VL1207ABS01

Tgt Ion: 83 Resp: 2232880
Ion Ratio Lower Upper
83 100
85 65.3 49.8 74.8

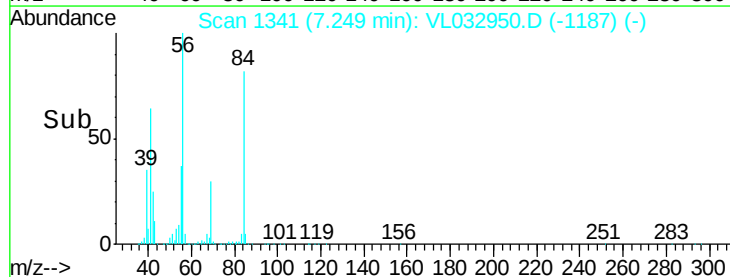
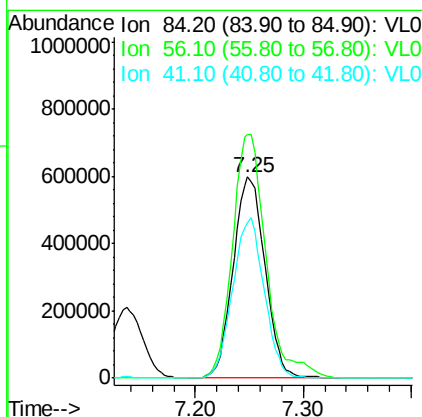
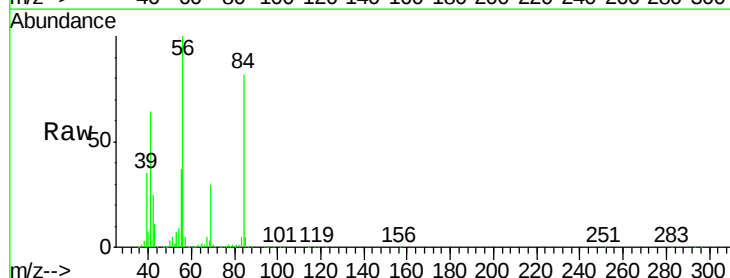
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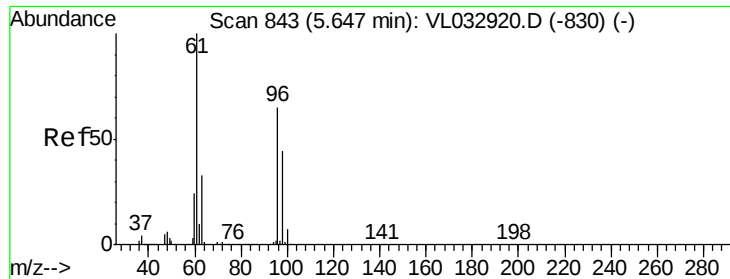
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#30
Cyclohexane
Concen: 10.820 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion: 84 Resp: 1231768
Ion Ratio Lower Upper
84 100
56 127.9 102.5 153.7
41 78.9 64.1 96.1





#31

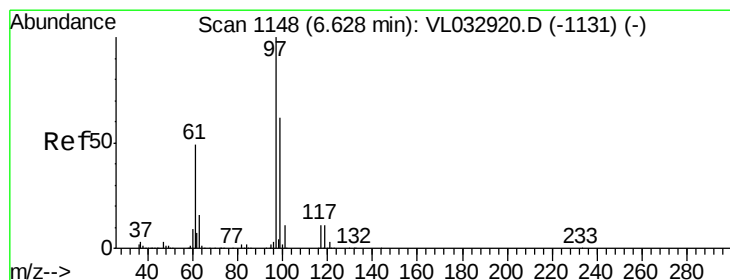
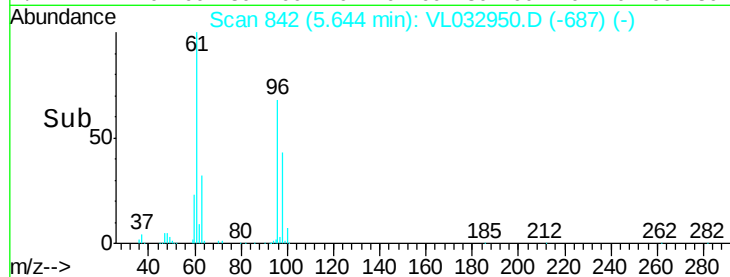
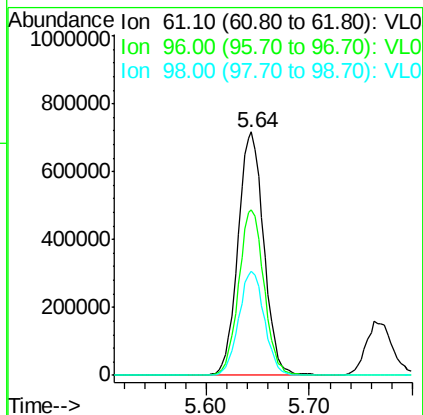
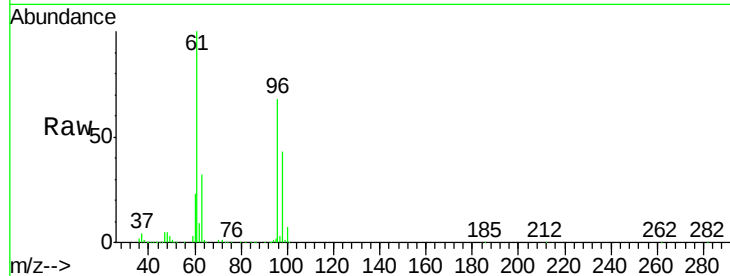
cis-1,2-Dichloroethene
 Concen: 9.884 ppbv
 RT: 5.64 min Scan# 842
 Delta R.T. -0.00 min
 Lab File: VL032950.D
 Acq: 8 Dec 2018 1:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

Tgt Ion	Ratio	Lower	Upper
61	100		
96	67.7	51.9	77.9
98	43.0	35.0	52.4

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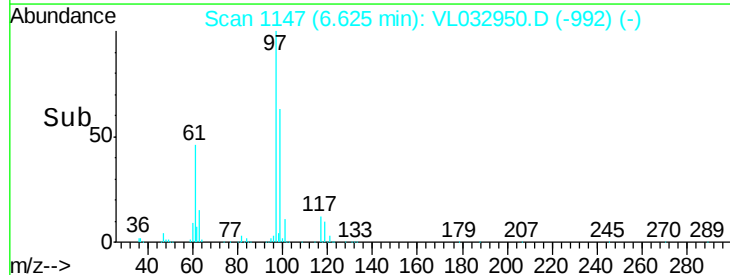
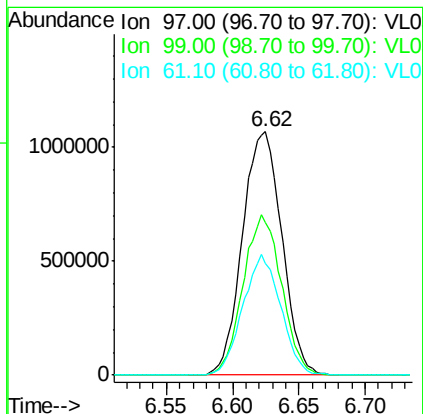
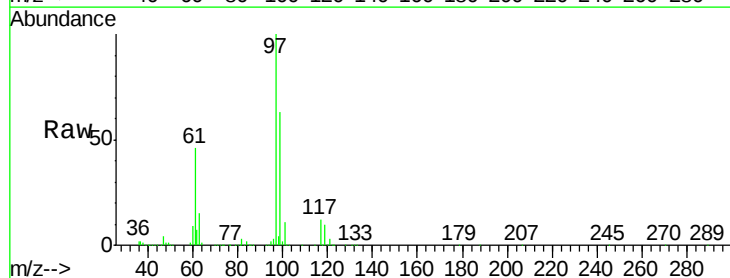
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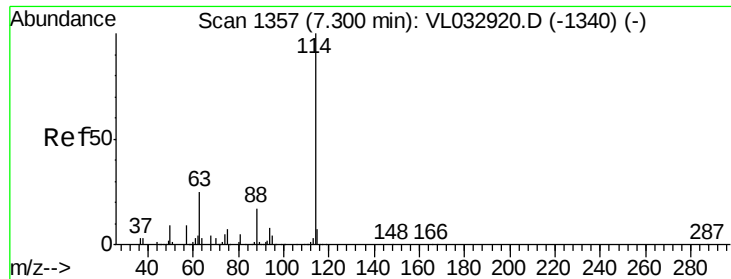


#32

1,1,1-Trichloroethane
 Concen: 8.541 ppbv
 RT: 6.62 min Scan# 1147
 Delta R.T. -0.00 min
 Lab File: VL032950.D
 Acq: 8 Dec 2018 1:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.1	76.7
61	47.6	39.3	58.9





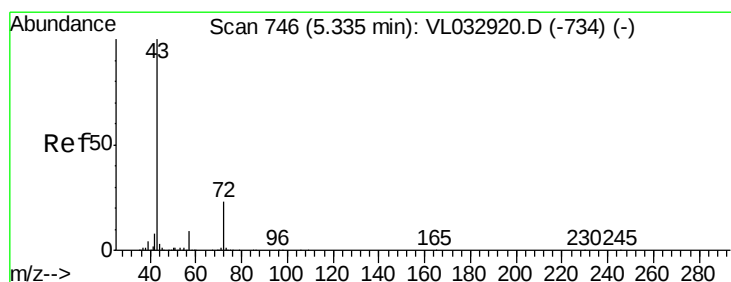
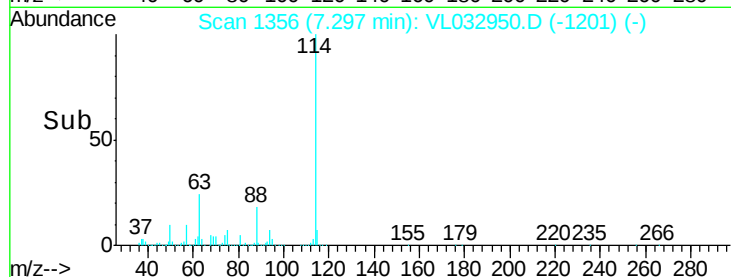
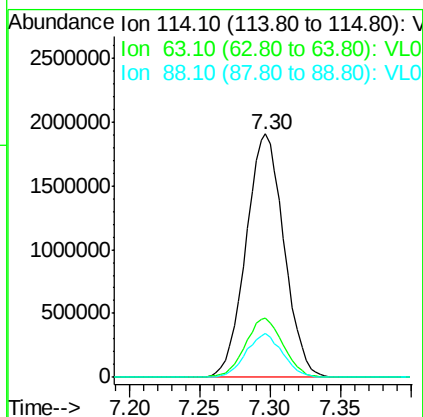
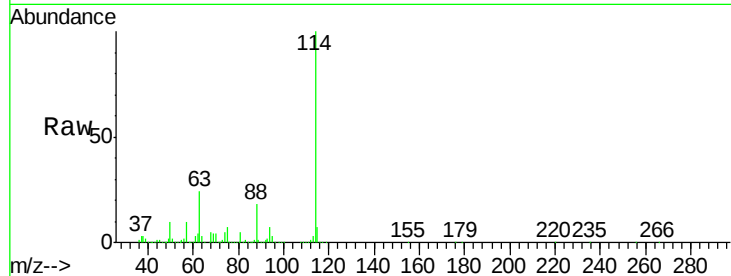
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VL032950.D
 Acq: 8 Dec 2018 1:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

Tgt Ion: 114 Resp: 3592878
 Ion Ratio Lower Upper
 114 100
 63 24.5 20.1 30.1
 88 17.4 14.2 21.4

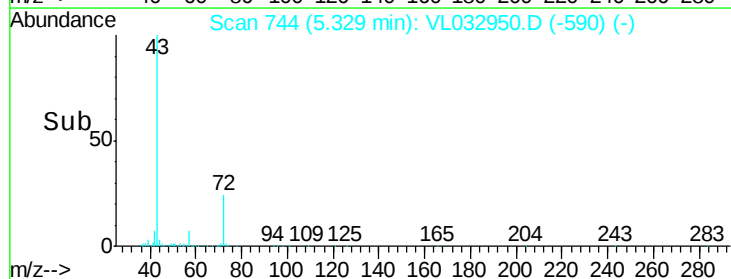
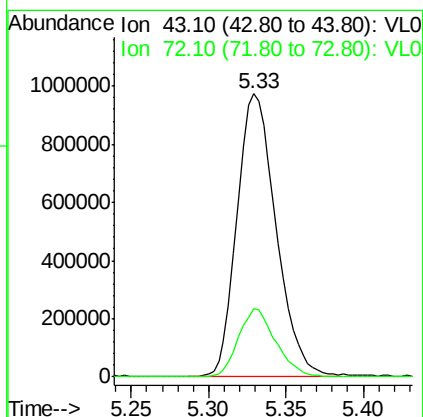
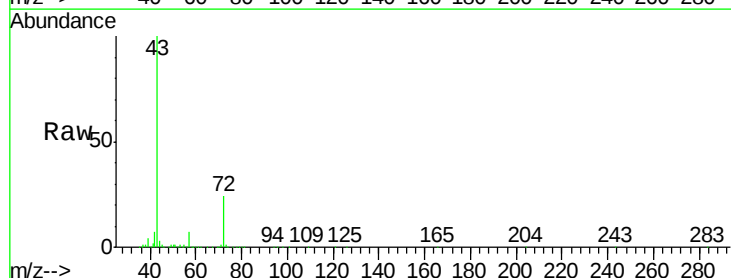
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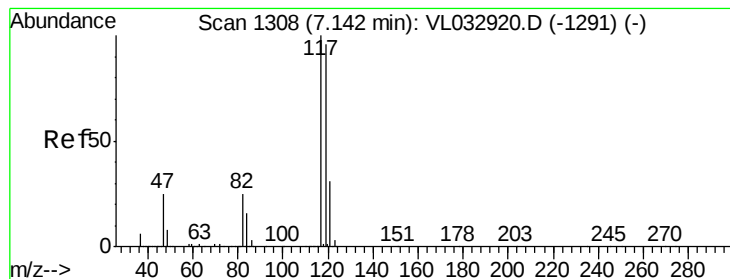
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#34
 2-Butanone
 Concen: 10.908 ppbv
 RT: 5.33 min Scan# 744
 Delta R.T. -0.01 min
 Lab File: VL032950.D
 Acq: 8 Dec 2018 1:45

Tgt Ion: 43 Resp: 1707051
 Ion Ratio Lower Upper
 43 100
 72 23.3 18.8 28.2





#35

Carbon Tetrachloride

Concen: 8.947 ppbv

RT: 7.14 min Scan# 1306

Delta R.T. -0.01 min

Lab File: VL032950.D

Acq: 8 Dec 2018 1:45

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

Tgt Ion:117 Resp: 2526775

Ion Ratio Lower Upper

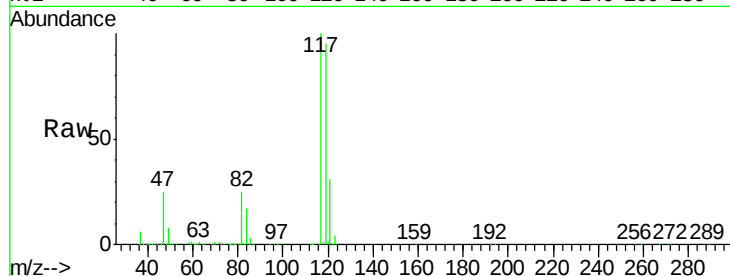
117 100

119 95.3 76.5 114.7

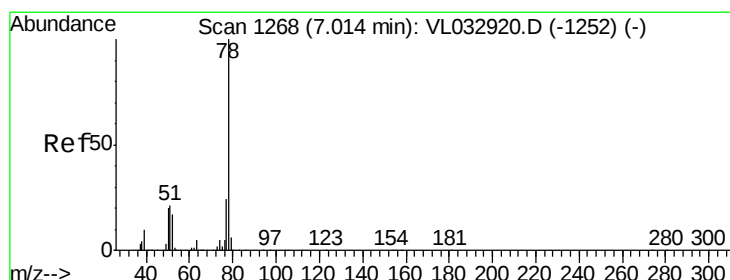
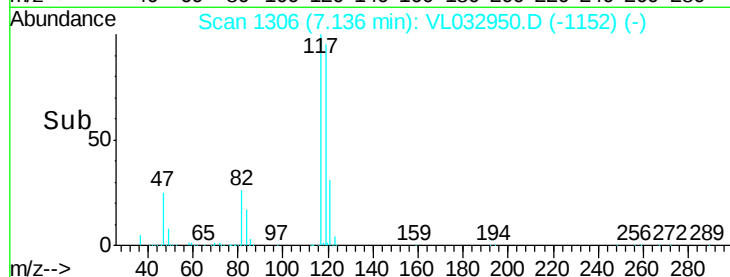
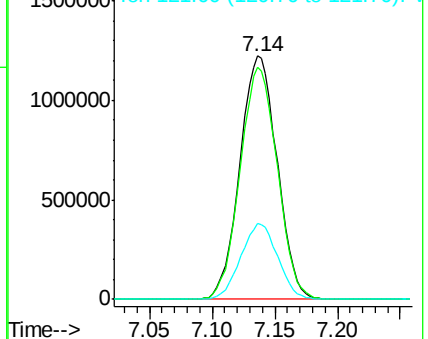
121 31.3 24.5 36.7

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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.882 ppbv

RT: 7.01 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VL032950.D

Acq: 8 Dec 2018 1:45

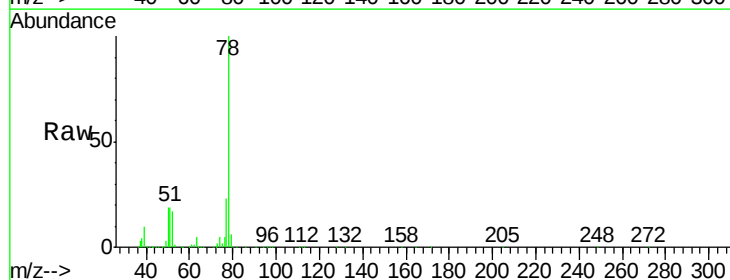
Tgt Ion: 78 Resp: 2875655

Ion Ratio Lower Upper

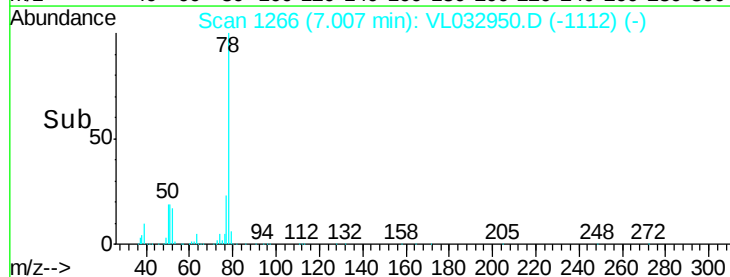
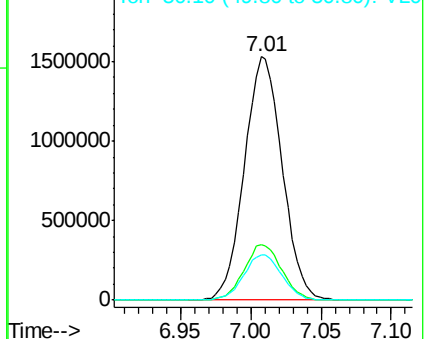
78 100

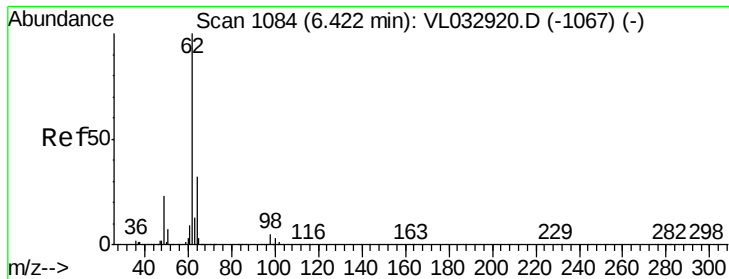
77 22.8 18.9 28.3

50 18.6 16.1 24.1



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





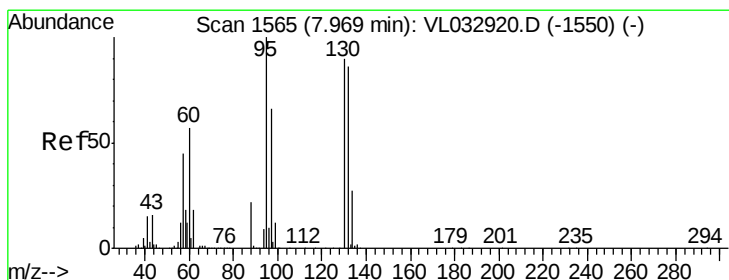
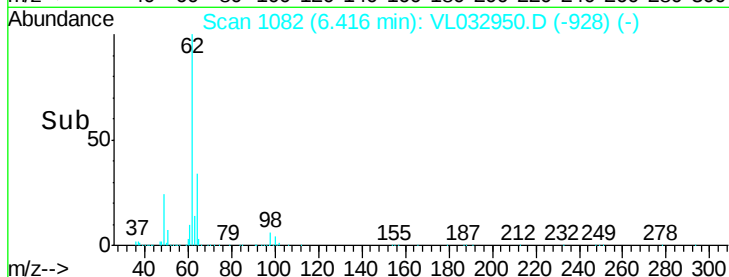
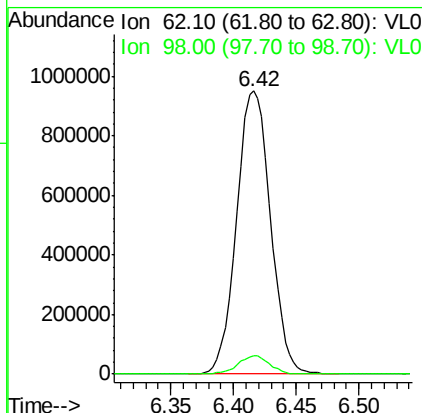
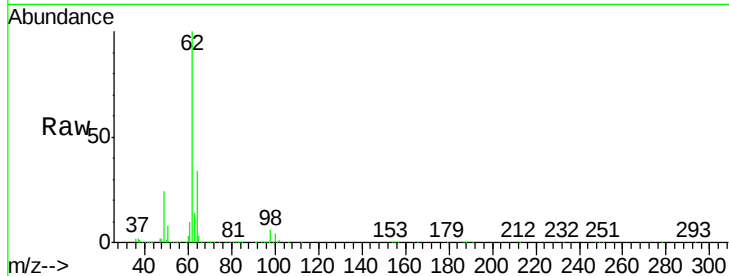
#37
 1,2-Dichloroethane
 Concen: 9.931 ppbv
 RT: 6.42 min Scan# 1082
 Delta R.T. -0.01 min
 Lab File: VL032950.D
 Acq: 8 Dec 2018 1:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

Tgt Ion: 62 Resp: 1786715
 Ion Ratio Lower Upper
 62 100
 98 6.1 4.3 6.5

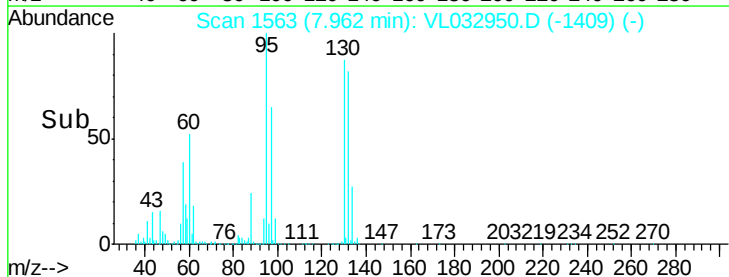
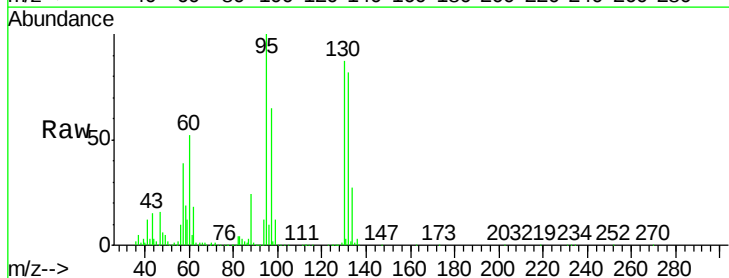
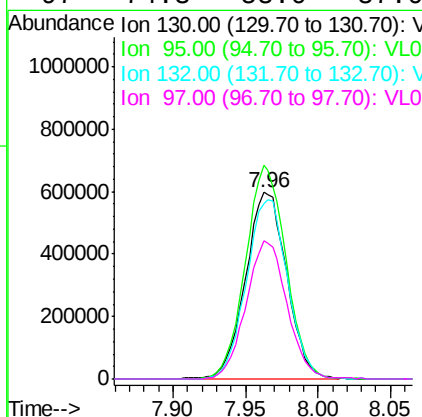
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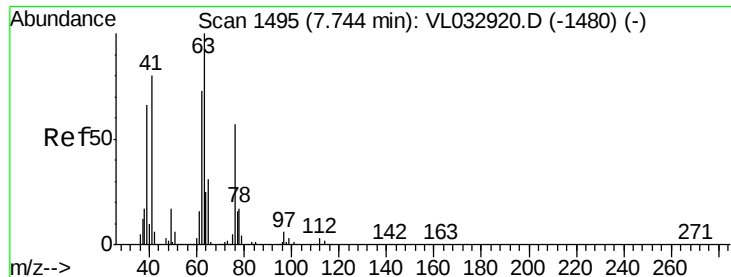
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#38
 Trichloroethene
 Concen: 10.634 ppbv
 RT: 7.96 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: VL032950.D
 Acq: 8 Dec 2018 1:45

Tgt Ion: 130 Resp: 1169488
 Ion Ratio Lower Upper
 130 100
 95 114.9 88.6 132.8
 132 94.1 76.1 114.1
 97 74.3 58.0 87.0





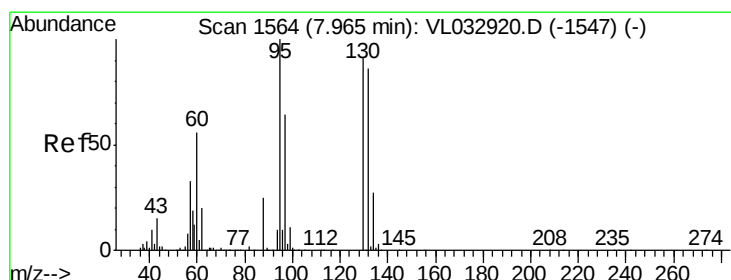
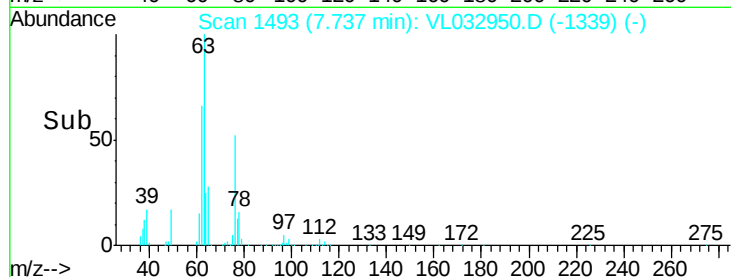
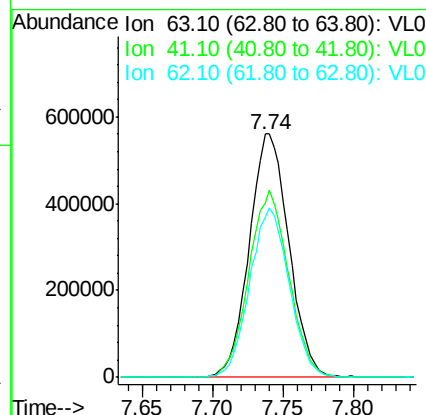
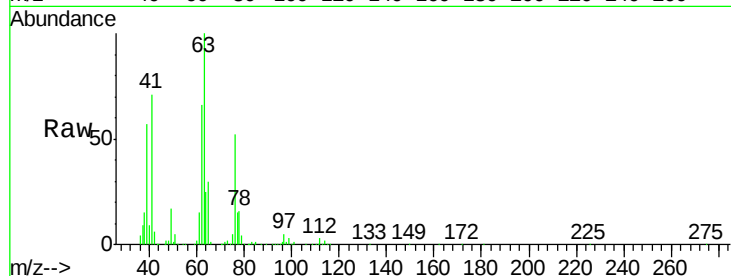
#39
 1,2-Dichloropropane
 Concen: 10.989 ppbv
 RT: 7.74 min Scan# 1493
 Delta R.T. -0.01 min
 Lab File: VL032950.D
 Acq: 8 Dec 2018 1:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

Tgt Ion	Ratio	Lower	Upper
63	100		
41	71.4	63.9	95.9
62	66.0	58.8	88.2

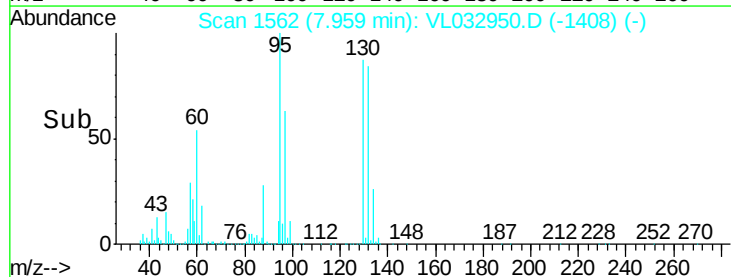
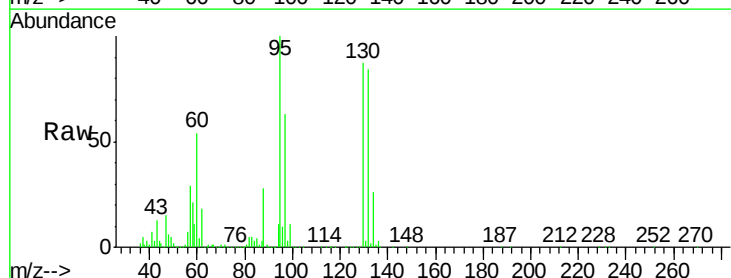
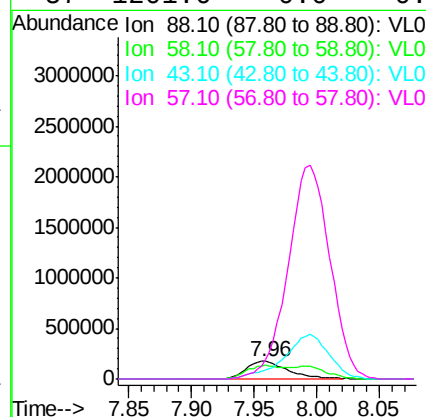
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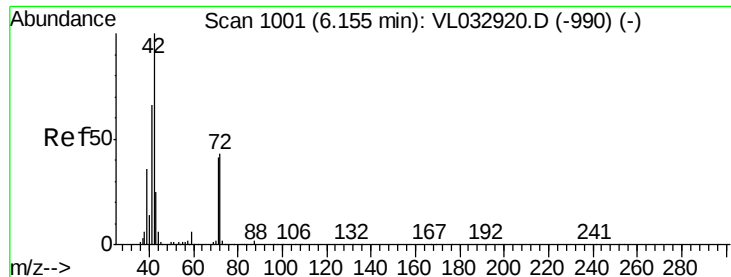
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#40
 1,4-Dioxane
 Concen: 11.069 ppbv
 RT: 7.96 min Scan# 1562
 Delta R.T. -0.01 min
 Lab File: VL032950.D
 Acq: 8 Dec 2018 1:45

Tgt Ion	Ratio	Lower	Upper
88	100		
58	126.8	107.4	161.2
43	268.1	0.0	0.0#
57	1201.6	0.0	0.0#





#41

Tetrahydrofuran

Concen: 11.671 ppbv

RT: 6.15 min Scan# 999

Delta R.T. -0.01 min

Lab File: VL032950.D

Acq: 8 Dec 2018 1:45

Instrument :

MSVOA_L

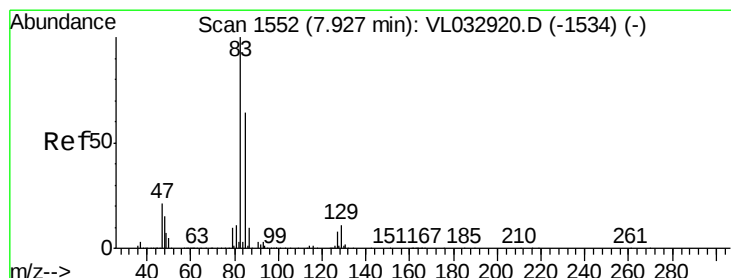
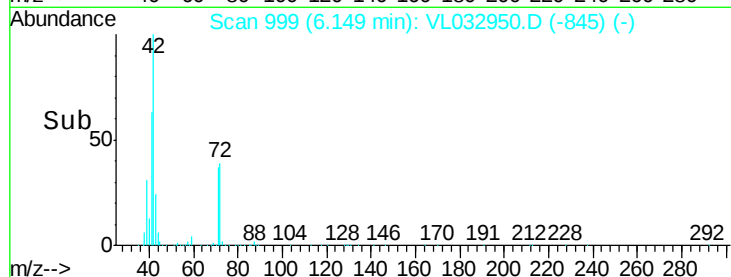
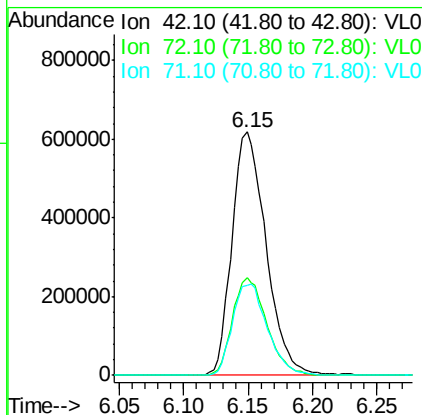
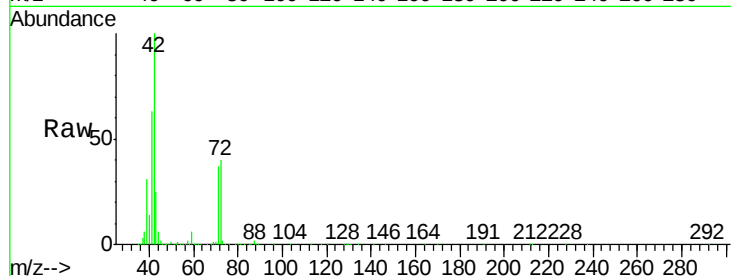
ClientSampleId :

VL1207ABS01

Tgt Ion:	42	Resp:	1135960
Ion	Ratio	Lower	Upper
42	100		
72	40.5	32.9	49.3
71	38.7	32.0	48.0

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#42

Bromodichloromethane

Concen: 10.123 ppbv

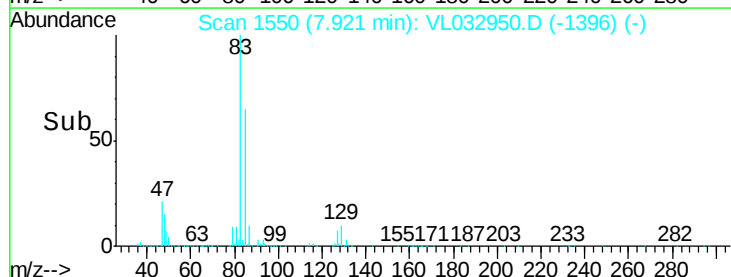
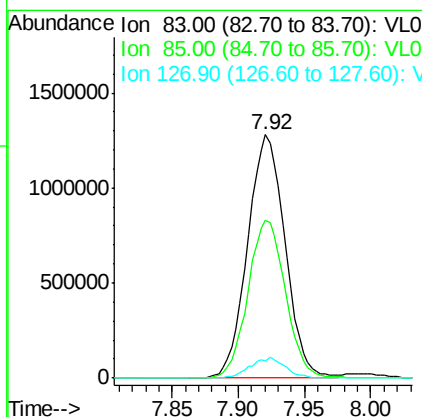
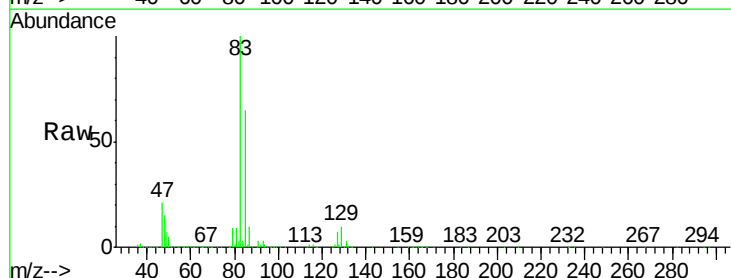
RT: 7.92 min Scan# 1550

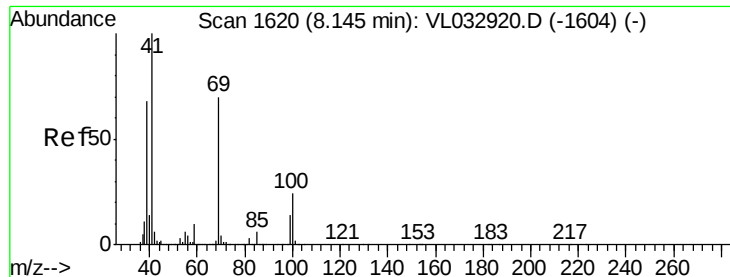
Delta R.T. -0.01 min

Lab File: VL032950.D

Acq: 8 Dec 2018 1:45

Tgt Ion:	83	Resp:	2523487
Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.9	76.3
127	7.3	6.7	10.1





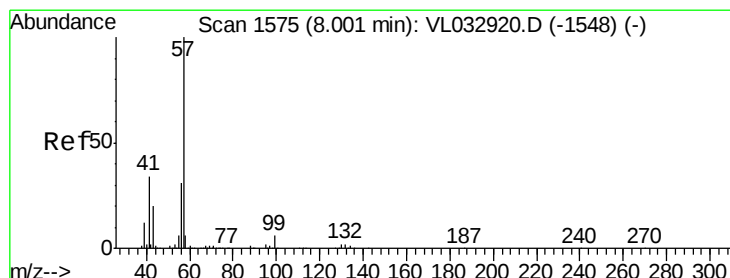
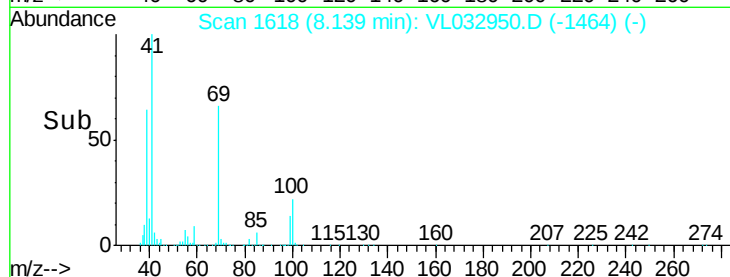
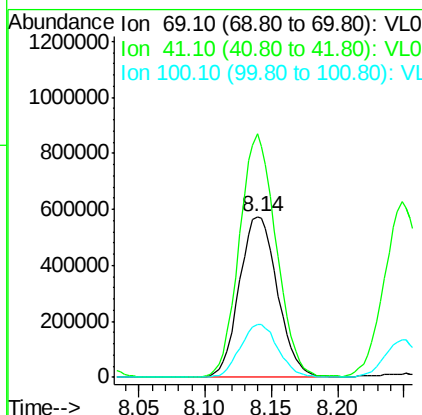
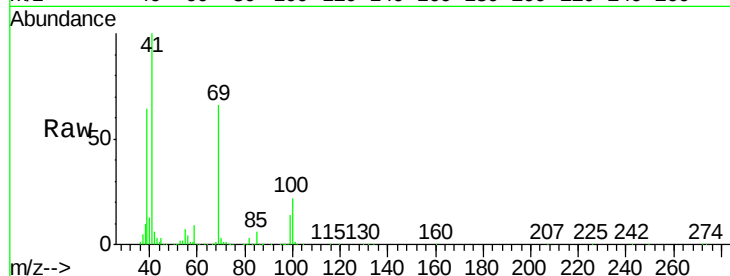
#43
Methyl Methacrylate
Concen: 11.726 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Instrument :
MSVOA_L
ClientSampleId :
VL1207ABS01

Tgt Ion: 69 Resp: 1148193
Ion Ratio Lower Upper
69 100
41 146.2 116.6 175.0
100 32.7 26.5 39.7

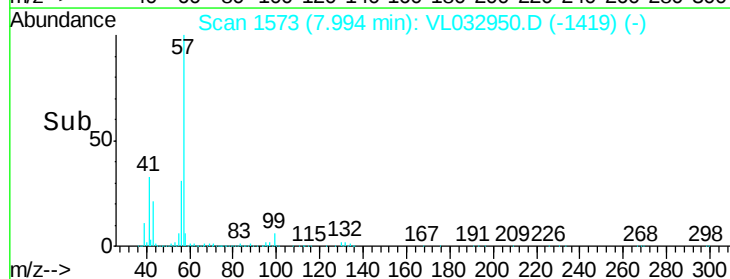
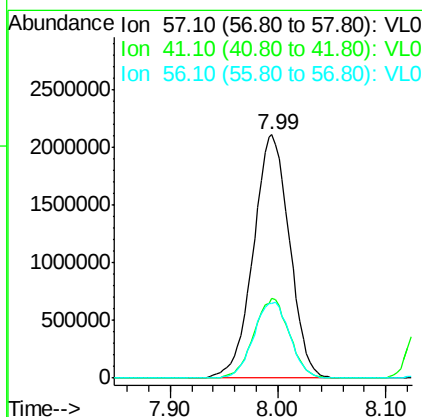
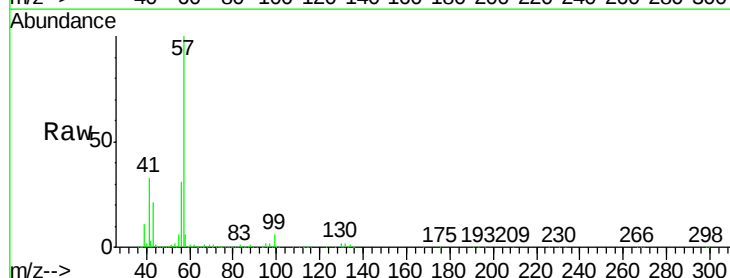
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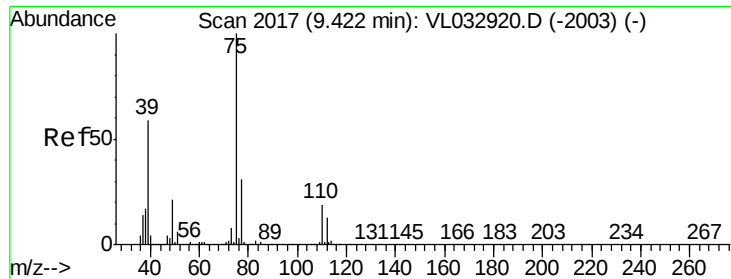
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#44
2,2,4-Trimethylpentane
Concen: 10.933 ppbv
RT: 7.99 min Scan# 1573
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion: 57 Resp: 4904154
Ion Ratio Lower Upper
57 100
41 32.2 27.0 40.4
56 31.2 24.6 37.0





#45

t-1,3-Dichloropropene

Concen: 12.953 ppbv

RT: 9.42 min Scan# 2017

Delta R.T. 0.00 min

Lab File: VL032950.D

Acq: 8 Dec 2018 1:45

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

Tgt Ion: 75 Resp: 1555160

Ion Ratio Lower Upper

75 100

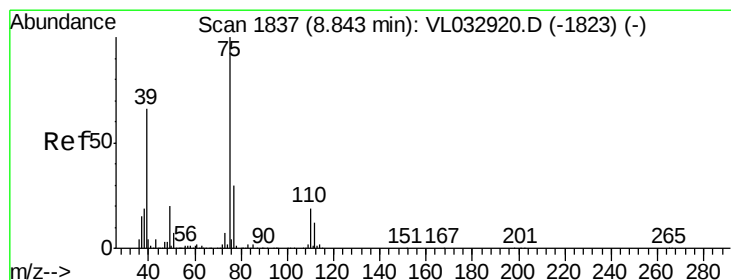
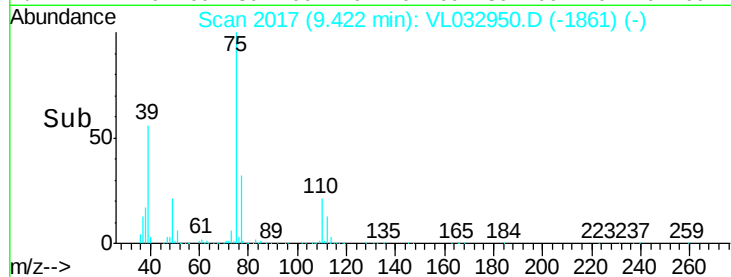
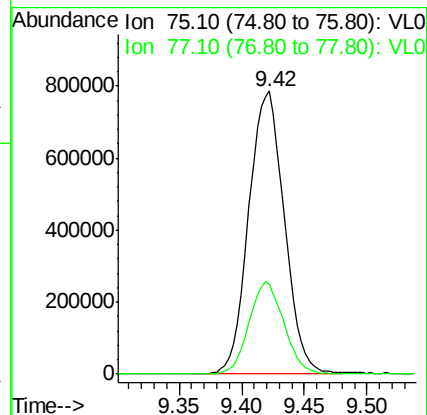
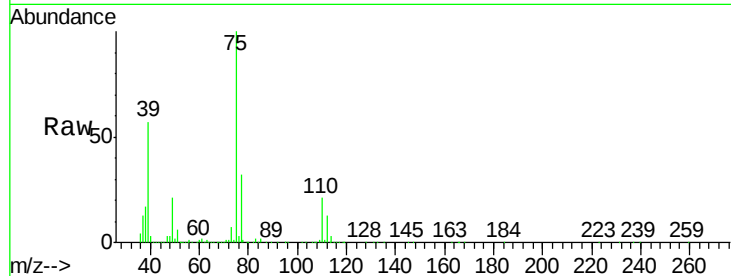
77 31.9 24.8 37.2

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#46

cis-1,3-Dichloropropene

Concen: 12.323 ppbv

RT: 8.84 min Scan# 1837

Delta R.T. 0.00 min

Lab File: VL032950.D

Acq: 8 Dec 2018 1:45

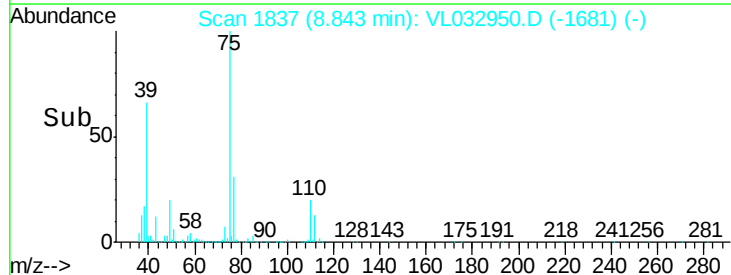
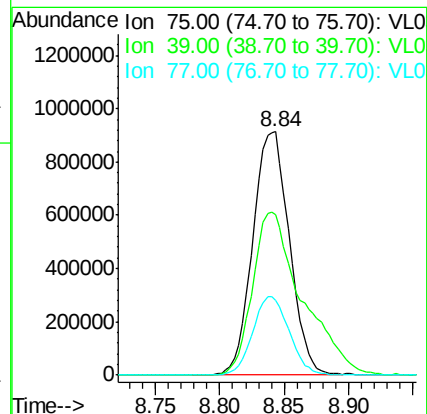
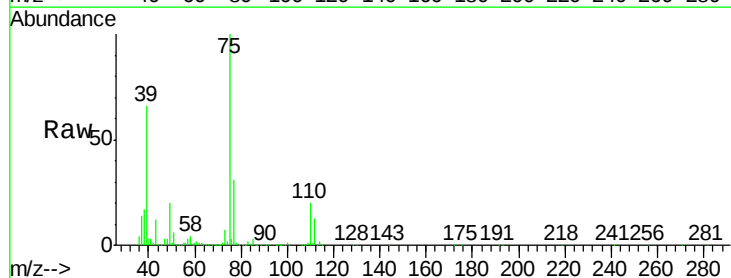
Tgt Ion: 75 Resp: 1810922

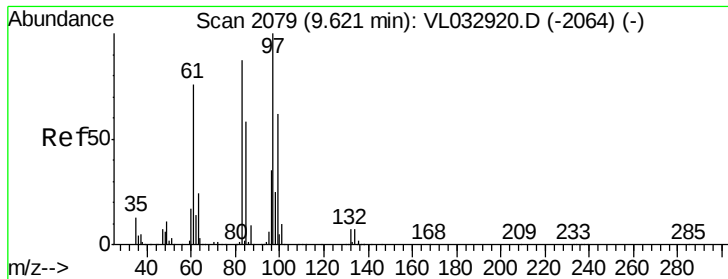
Ion Ratio Lower Upper

75 100

39 65.8 52.8 79.2

77 30.7 24.3 36.5





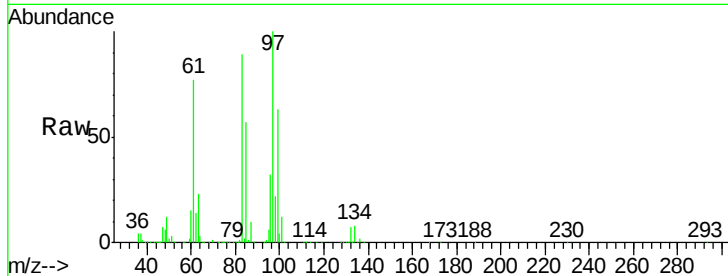
#47
 1,1,2-Trichloroethane
 Concen: 10.900 ppbv
 RT: 9.62 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VL032950.D
 Acq: 8 Dec 2018 1:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

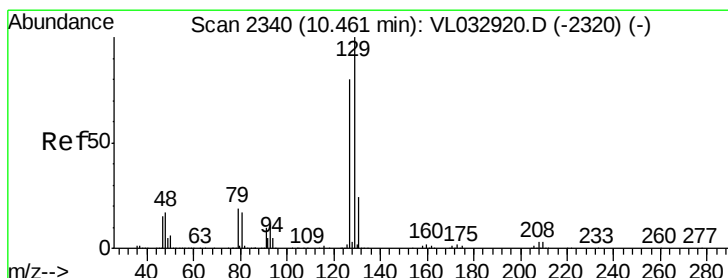
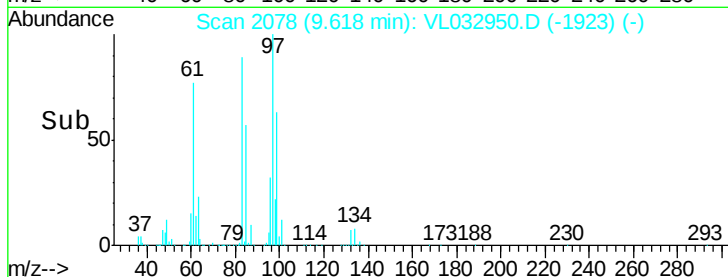
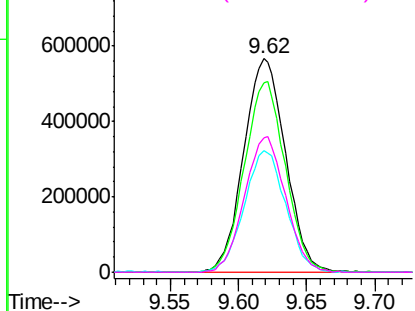
Tgt Ion: 97 Resp: 1202459
 Ion Ratio Lower Upper
 97 100
 83 88.6 69.8 104.8
 85 56.7 46.7 70.1
 99 62.7 49.2 73.8

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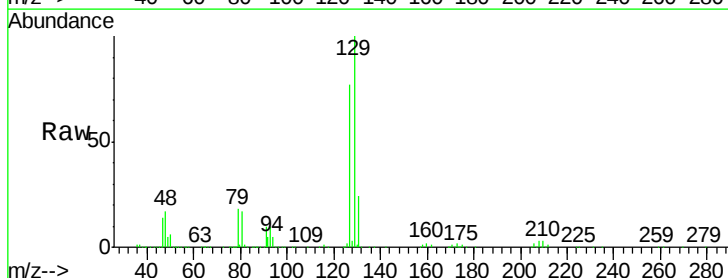


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

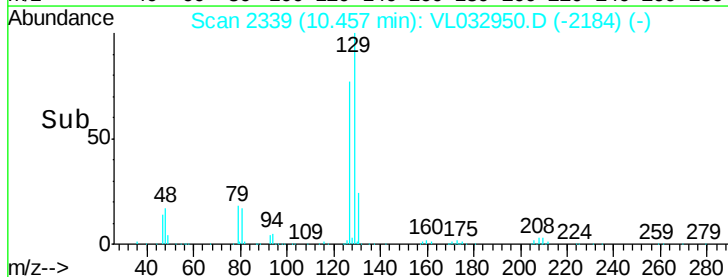
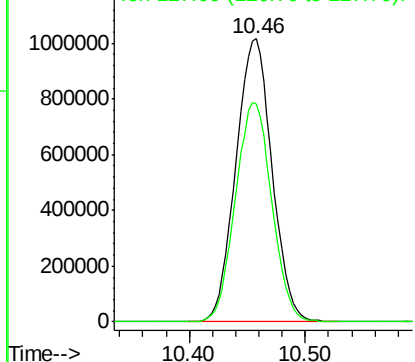


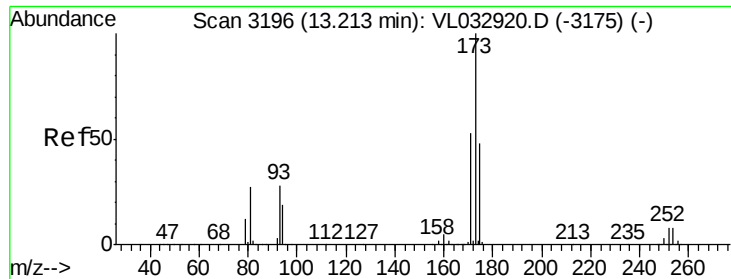
#48
 Dibromochloromethane
 Concen: 10.627 ppbv
 RT: 10.46 min Scan# 2339
 Delta R.T. -0.00 min
 Lab File: VL032950.D
 Acq: 8 Dec 2018 1:45

Tgt Ion: 129 Resp: 2199153
 Ion Ratio Lower Upper
 129 100
 127 78.0 39.3 117.8



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.736 ppbv

RT: 13.21 min Scan# 3194

Delta R.T. -0.01 min

Lab File: VL032950.D

Acq: 8 Dec 2018 1:45

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

Tgt Ion:173 Resp: 1827382

Ion Ratio Lower Upper

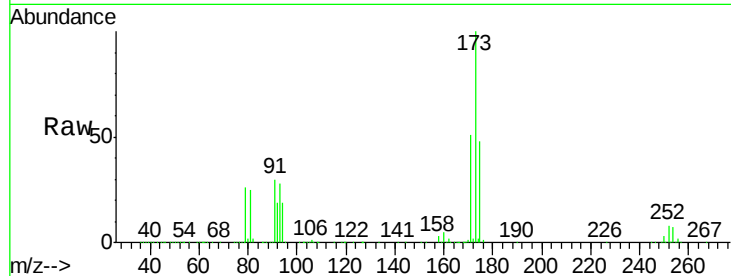
173 100

175 48.2 39.0 58.4

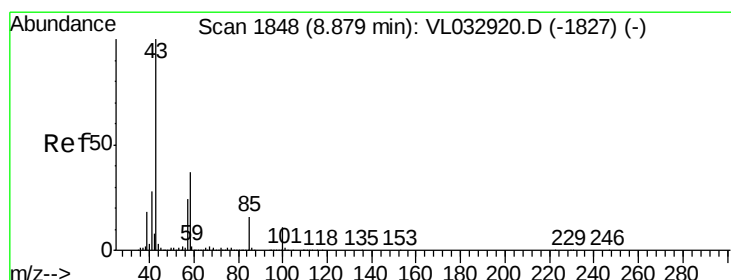
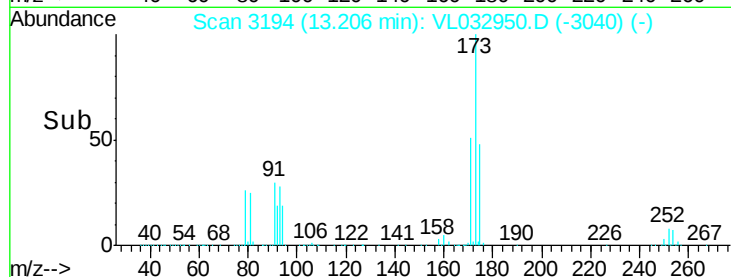
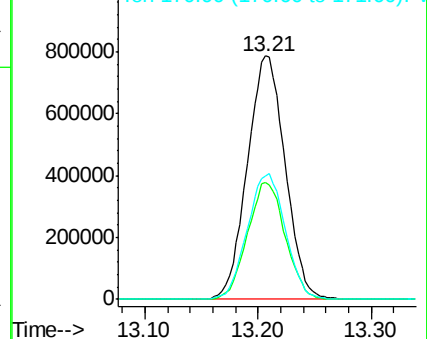
171 52.1 41.5 62.3

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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 11.092 ppbv

RT: 8.87 min Scan# 1846

Delta R.T. -0.01 min

Lab File: VL032950.D

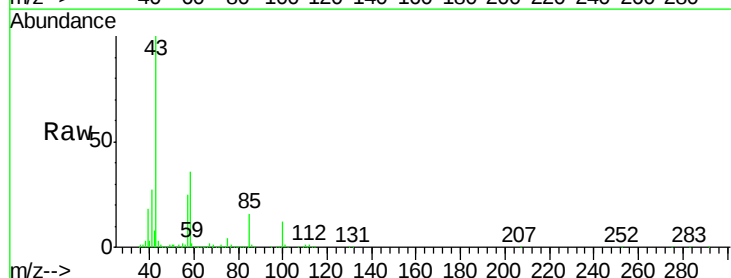
Acq: 8 Dec 2018 1:45

Tgt Ion: 43 Resp: 2776002

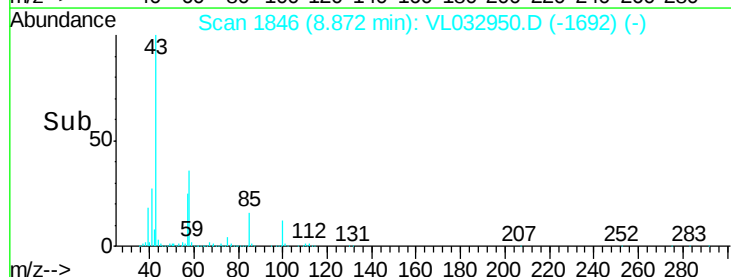
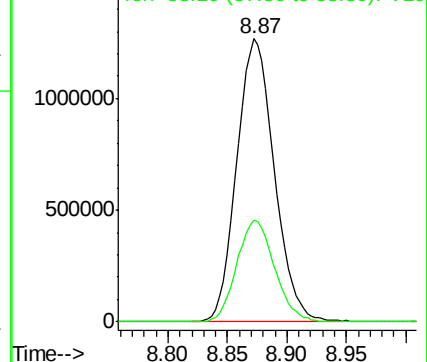
Ion Ratio Lower Upper

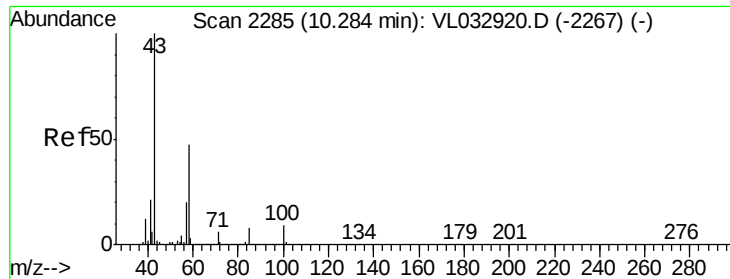
43 100

58 36.3 29.0 43.4



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





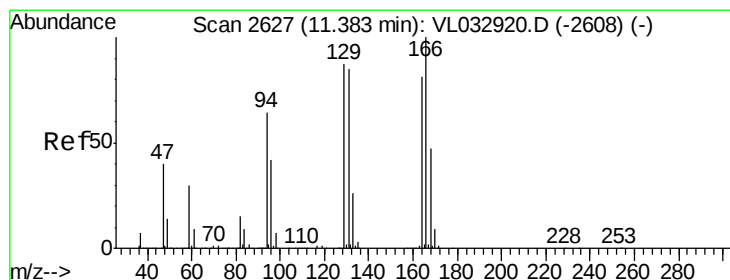
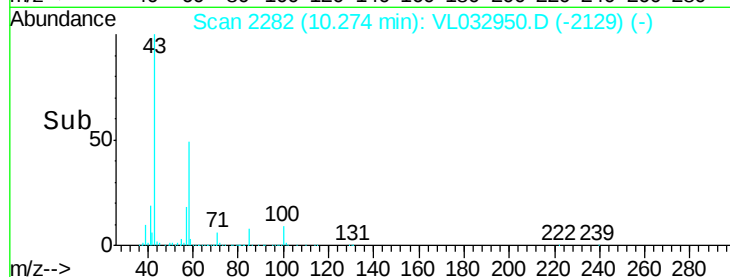
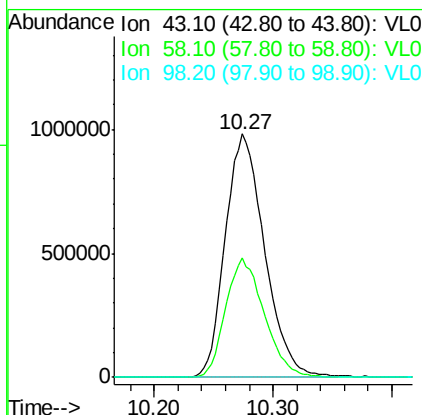
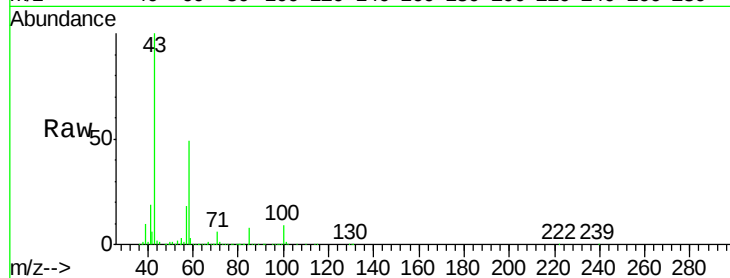
#51
2-Hexanone
Concen: 13.135 ppbv
RT: 10.27 min Scan# 2282
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Instrument :
MSVOA_L
ClientSampleId :
VL1207ABS01

Tgt Ion: 43 Resp: 2229263
Ion Ratio Lower Upper
43 100
58 48.8 38.1 57.1
98 0.4 0.4 0.6

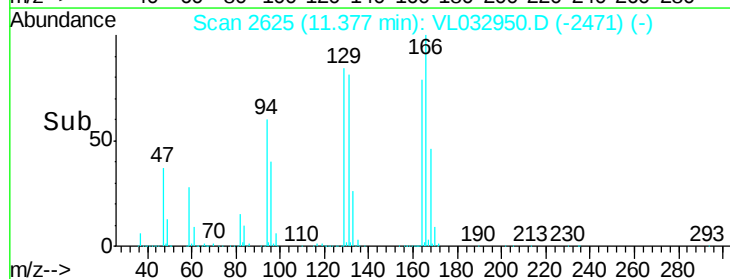
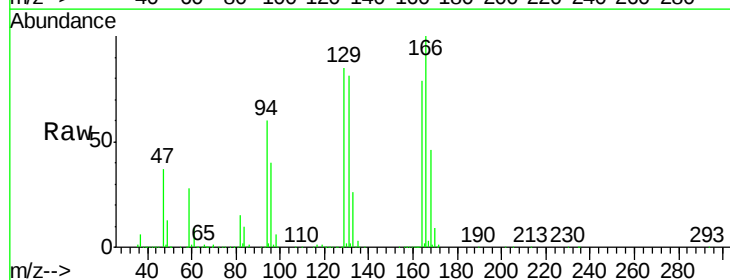
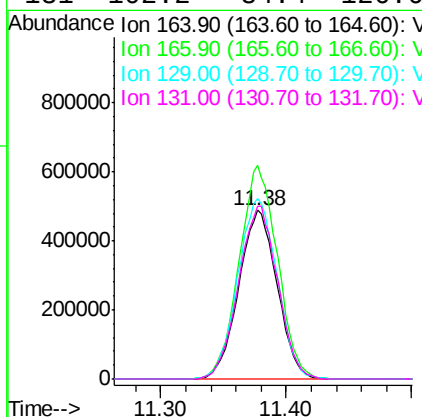
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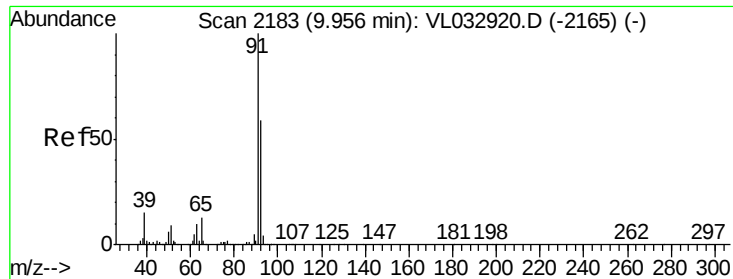
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#52
Tetrachloroethene
Concen: 10.770 ppbv
RT: 11.38 min Scan# 2625
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion: 164 Resp: 1035254
Ion Ratio Lower Upper
164 100
166 126.5 98.8 148.2
129 106.9 85.5 128.3
131 102.2 84.4 126.6





#53

Toluene

Concen: 11.716 ppbv

RT: 9.95 min Scan# 2181

Delta R.T. -0.01 min

Lab File: VL032950.D

Acq: 8 Dec 2018 1:45

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

Tgt Ion: 91 Resp: 3283537

Ion Ratio Lower Upper

91 100

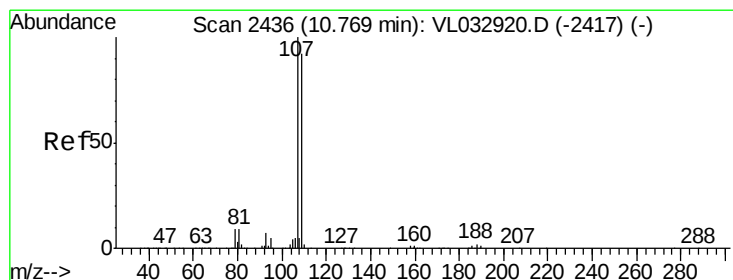
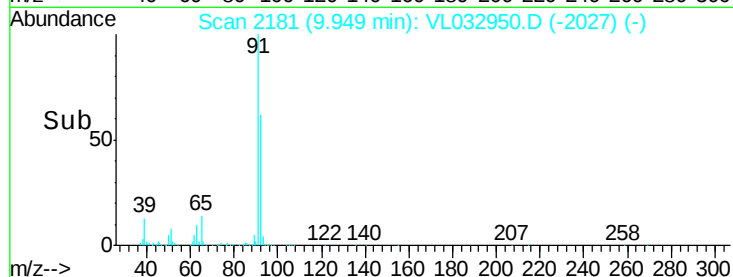
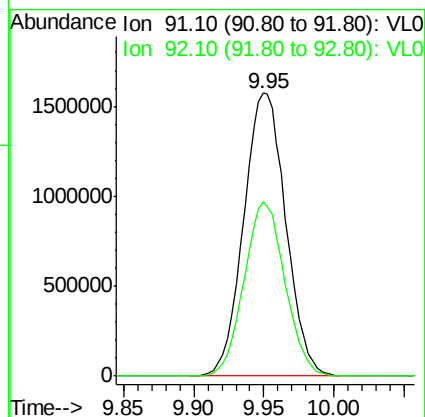
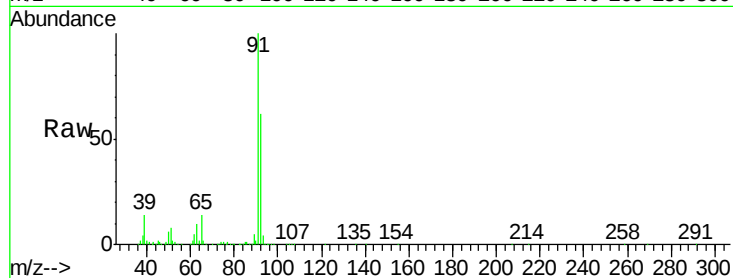
92 59.9 47.4 71.0

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#54

1,2-Dibromoethane

Concen: 10.862 ppbv

RT: 10.76 min Scan# 2434

Delta R.T. -0.01 min

Lab File: VL032950.D

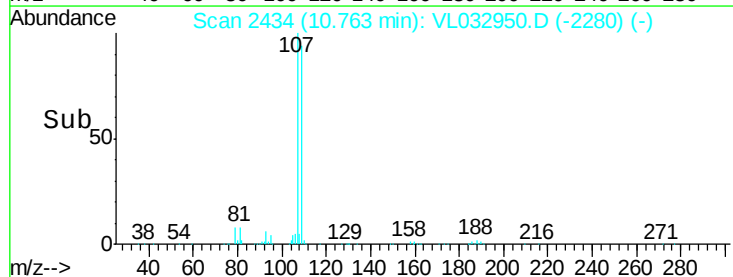
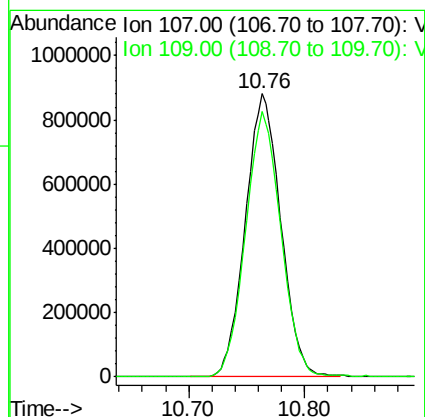
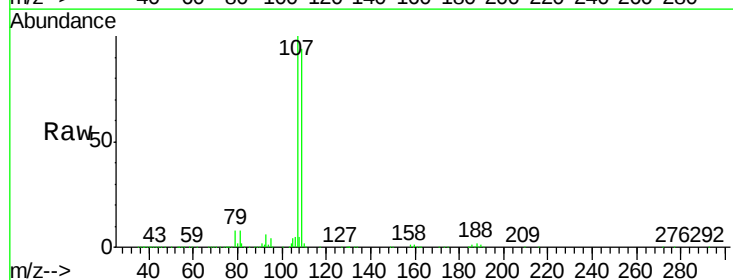
Acq: 8 Dec 2018 1:45

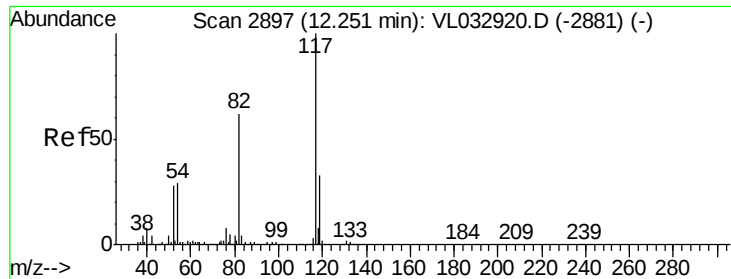
Tgt Ion: 107 Resp: 1871864

Ion Ratio Lower Upper

107 100

109 93.8 73.4 110.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.25 min Scan# 2895

Delta R.T. -0.01 min

Lab File: VL032950.D

Acq: 8 Dec 2018 1:45

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

Tgt Ion:117 Resp: 3545293

Ion Ratio Lower Upper

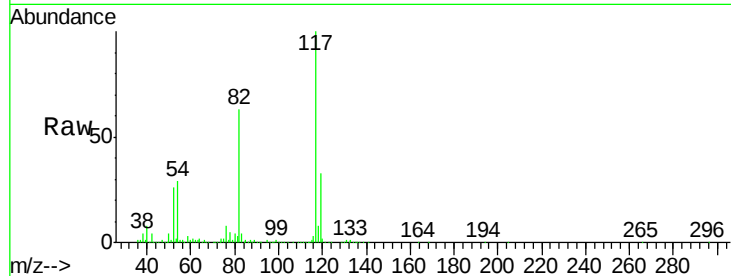
117 100

82 62.4 47.8 71.8

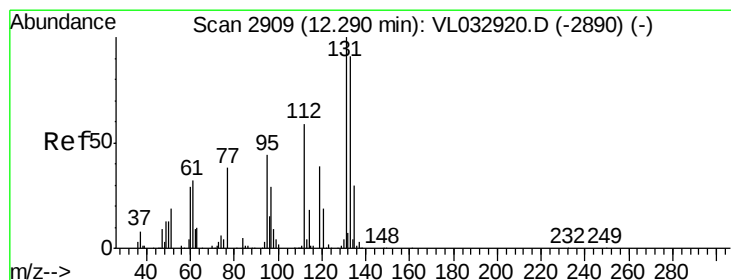
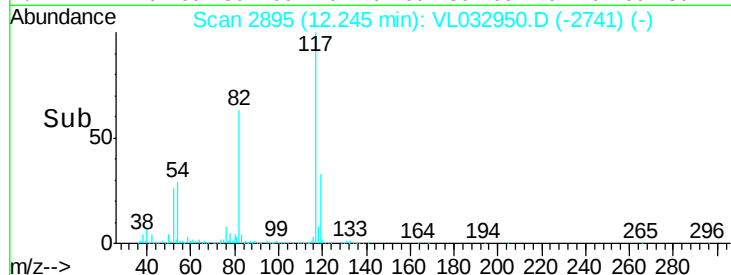
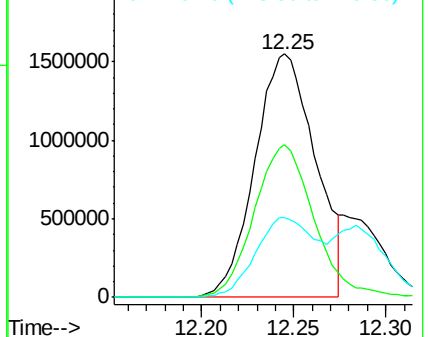
119 32.8 43.1 64.7#

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Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 9.735 ppbv

RT: 12.29 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VL032950.D

Acq: 8 Dec 2018 1:45

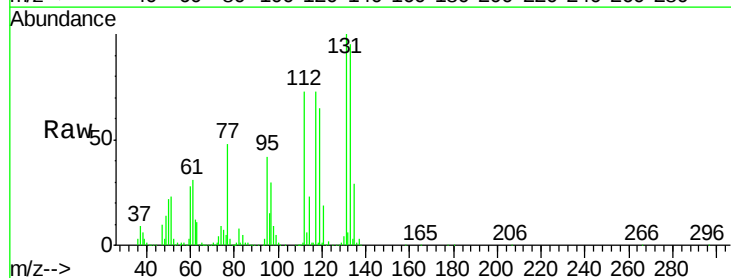
Tgt Ion:131 Resp: 1538743

Ion Ratio Lower Upper

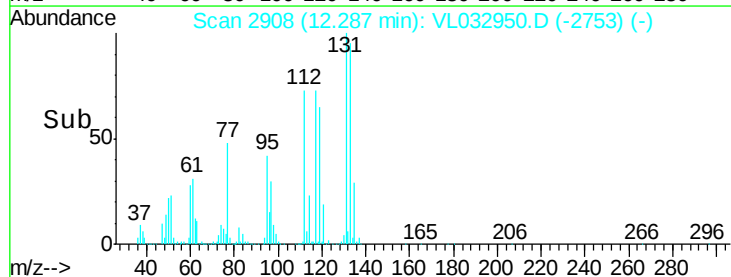
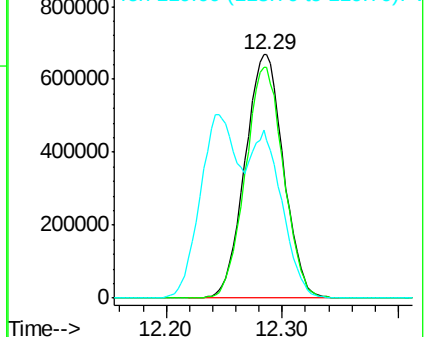
131 100

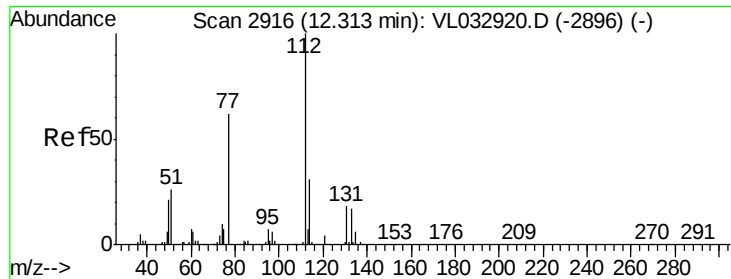
133 94.1 75.1 112.7

119 57.4 47.5 71.3



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 9.862 ppbv

RT: 12.31 min Scan# 2914

Delta R.T. -0.01 min

Lab File: VL032950.D

Acq: 8 Dec 2018 1:45

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

Tgt Ion: 112 Resp: 2525204

Ion Ratio Lower Upper

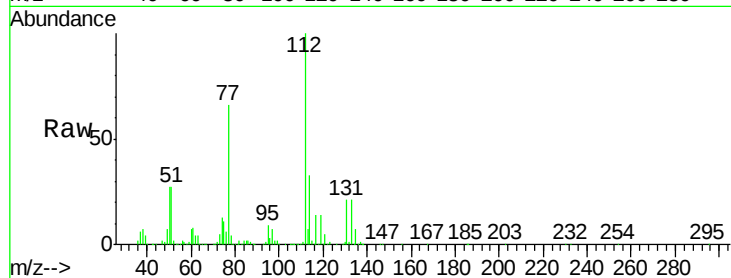
112 100

77 65.9 51.1 76.7

114 33.0 28.4 34.7

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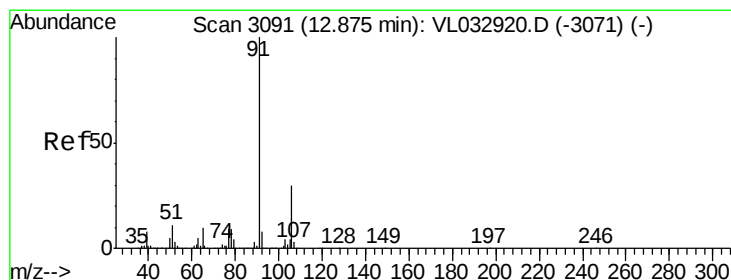
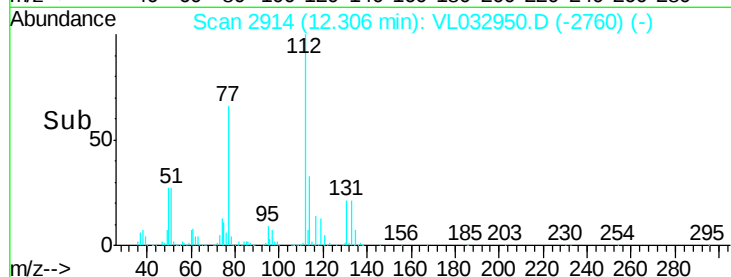
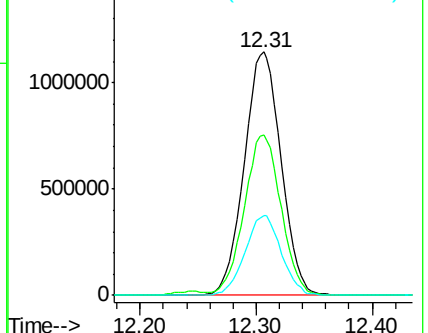
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 12.654 ppbv

RT: 12.87 min Scan# 3089

Delta R.T. -0.01 min

Lab File: VL032950.D

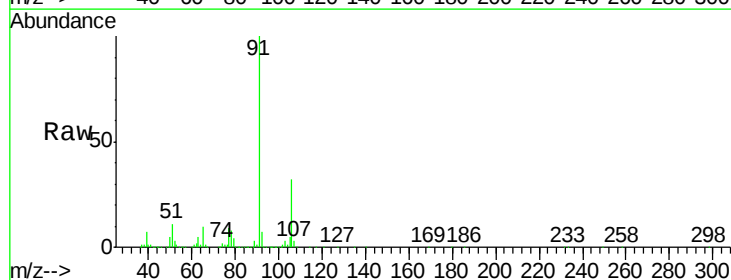
Acq: 8 Dec 2018 1:45

Tgt Ion: 91 Resp: 4785784

Ion Ratio Lower Upper

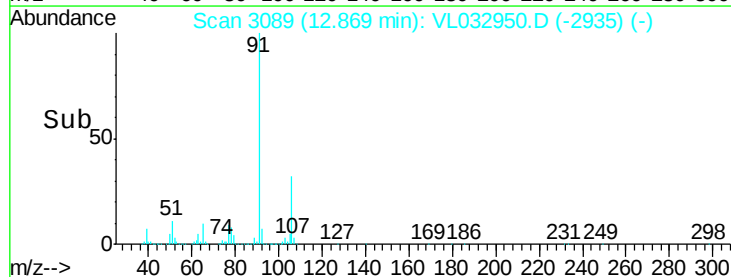
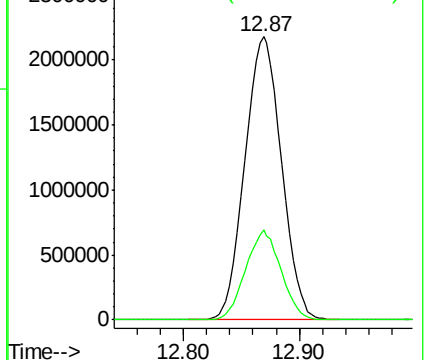
91 100

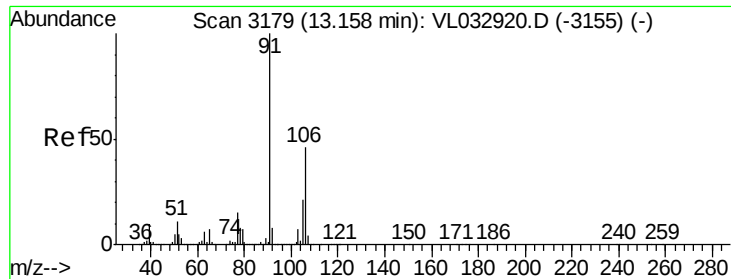
106 31.8 23.9 35.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





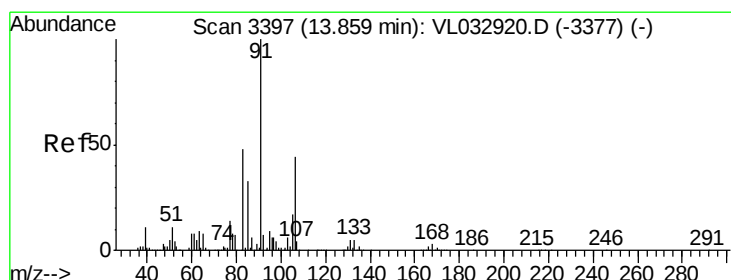
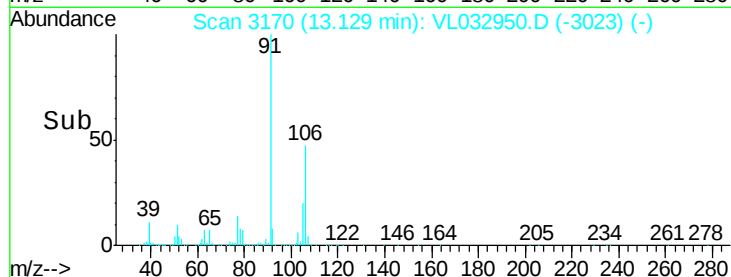
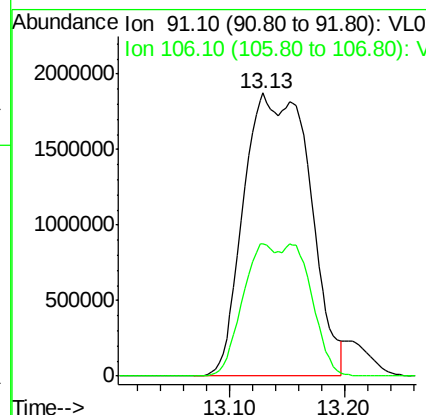
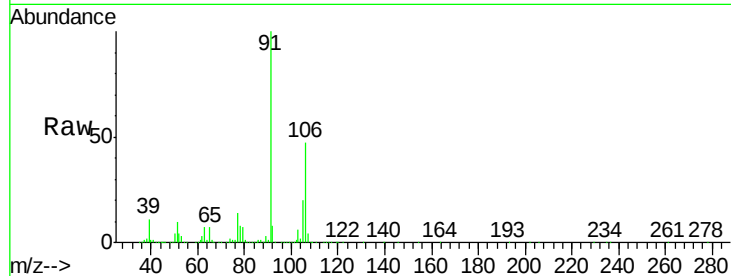
#59
m/p-Xylene
Concen: 21.819 ppbv m
RT: 13.13 min Scan# 3170
Delta R.T. -0.03 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Instrument :
MSVOA_L
ClientSampleId :
VL1207ABS01

Tgt Ion: 91 Resp: 7481568
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0

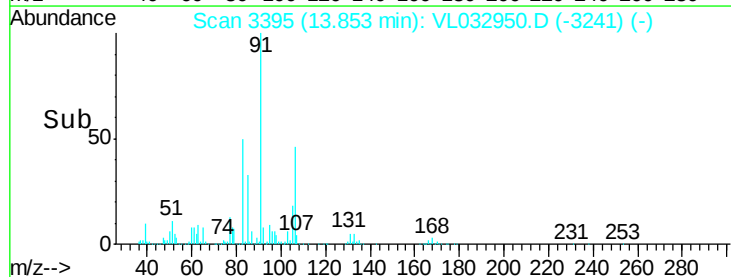
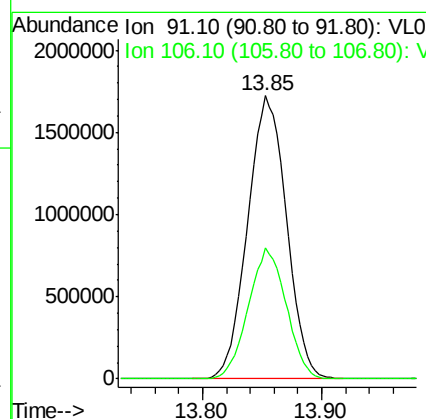
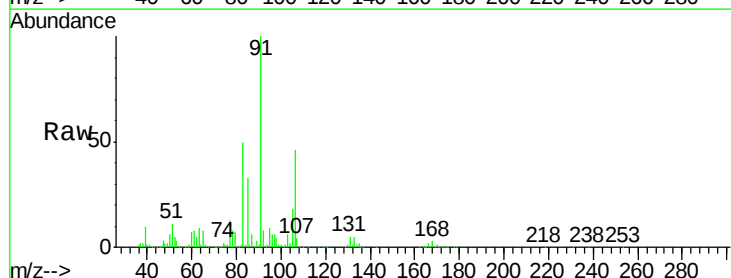
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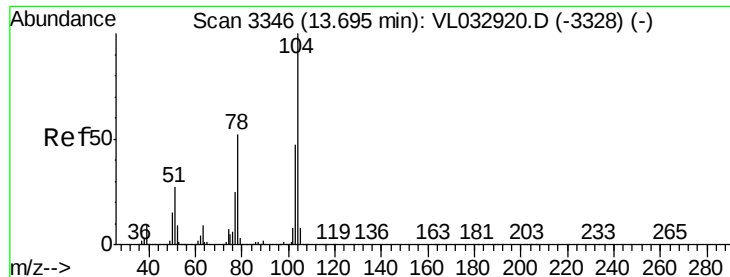
MMDadoda
12/11/2018 10:09:48 AM



#60
o-Xylene
Concen: 11.230 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion: 91 Resp: 3888739
Ion Ratio Lower Upper
91 100
106 45.0 21.9 65.8





#61

Styrene

Concen: 12.022 ppbv

RT: 13.69 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VL032950.D

Acq: 8 Dec 2018 1:45

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

Tgt Ion:104 Resp: 2769136

Ion Ratio Lower Upper

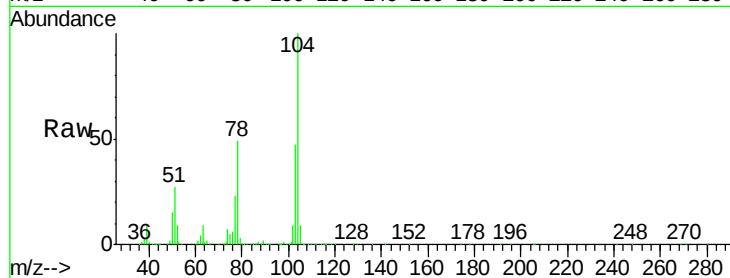
104 100

78 50.3 42.0 63.0

103 47.6 38.3 57.5

Manual Integrations
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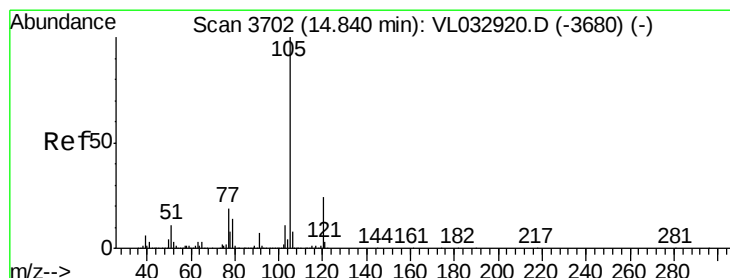
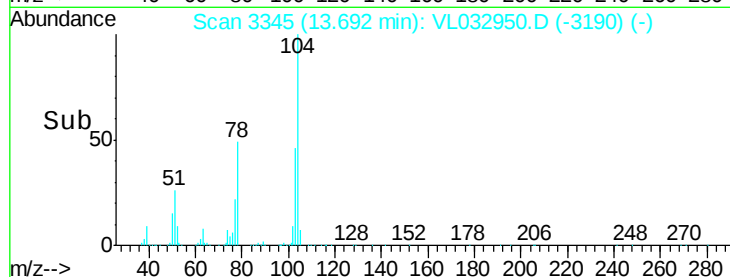
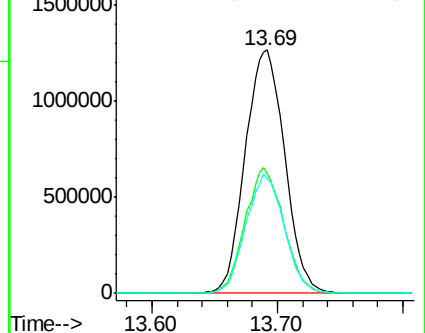
MMDadoda
12/11/2018 10:09:48 AM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 10.728 ppbv

RT: 14.83 min Scan# 3699

Delta R.T. -0.01 min

Lab File: VL032950.D

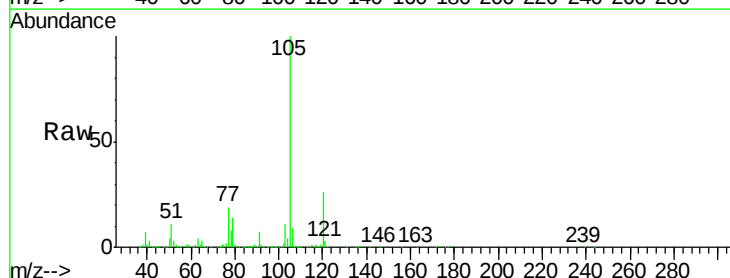
Acq: 8 Dec 2018 1:45

Tgt Ion:105 Resp: 5183073

Ion Ratio Lower Upper

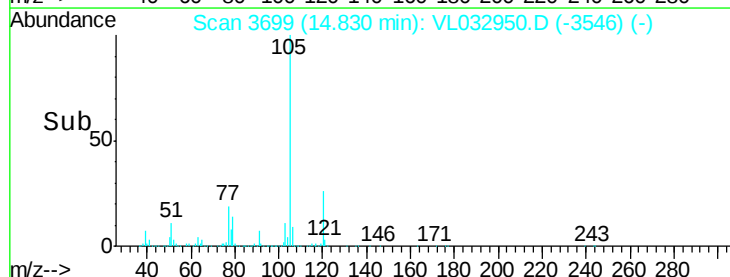
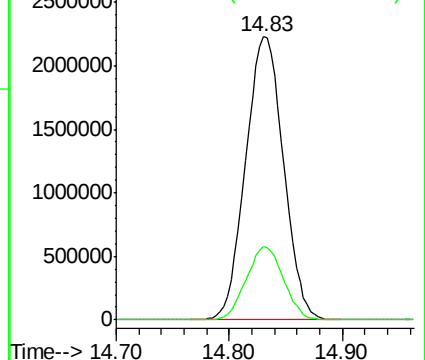
105 100

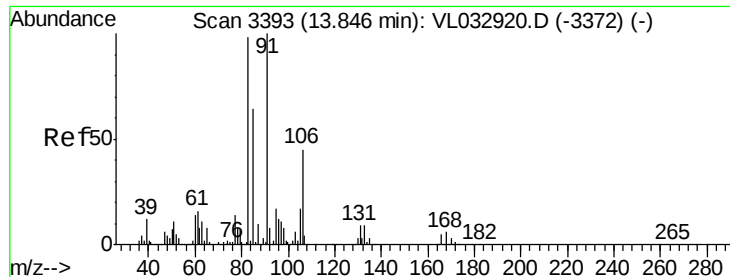
120 25.5 20.3 30.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





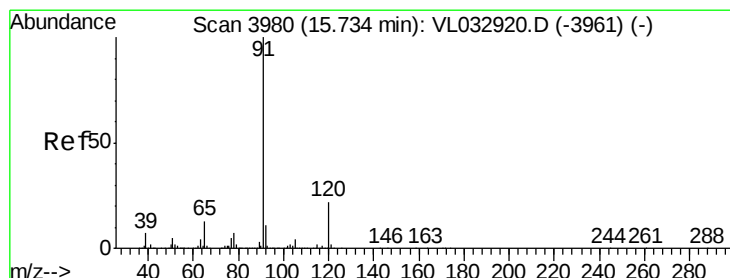
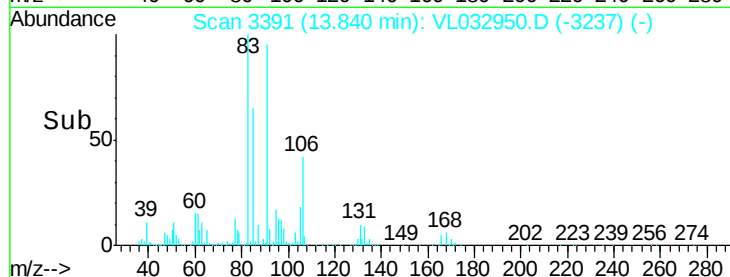
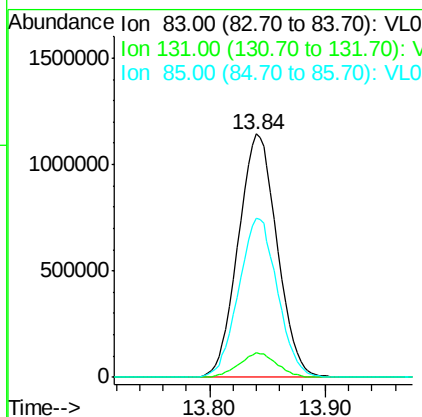
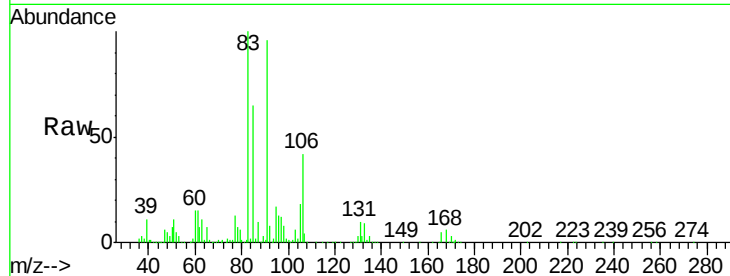
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.899 ppbv
 RT: 13.84 min Scan# 3391
 Delta R.T. -0.01 min
 Lab File: VL032950.D
 Acq: 8 Dec 2018 1:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

Tgt Ion: 83 Resp: 2661748
 Ion Ratio Lower Upper
 83 100
 131 9.8 4.9 14.6
 85 65.3 32.9 98.6

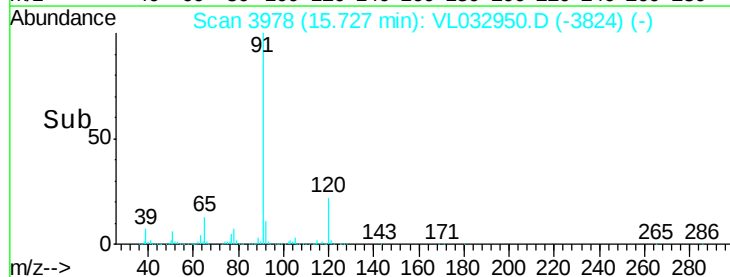
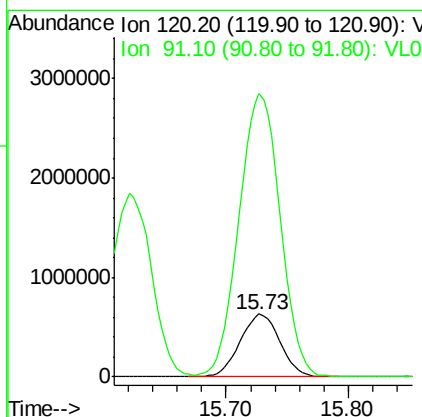
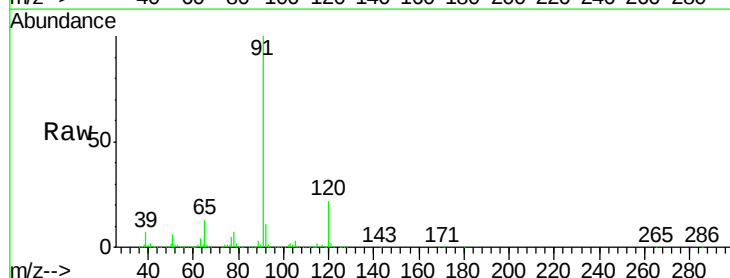
Manual Integrations
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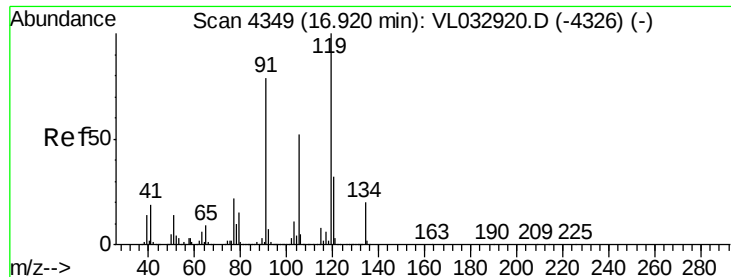
MMDadoda
 12/11/2018 10:09:48 AM



#64
 n-propylbenzene
 Concen: 11.354 ppbv
 RT: 15.73 min Scan# 3978
 Delta R.T. -0.01 min
 Lab File: VL032950.D
 Acq: 8 Dec 2018 1:45

Tgt Ion: 120 Resp: 1424722
 Ion Ratio Lower Upper
 120 100
 91 467.6 380.4 570.6





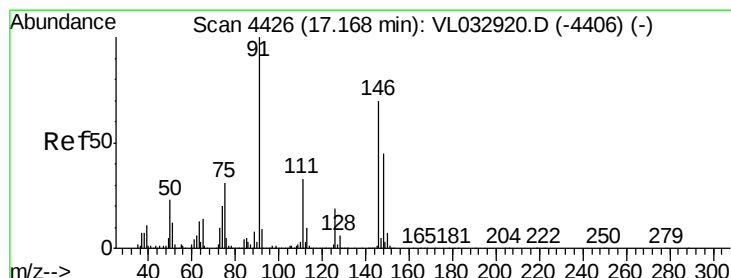
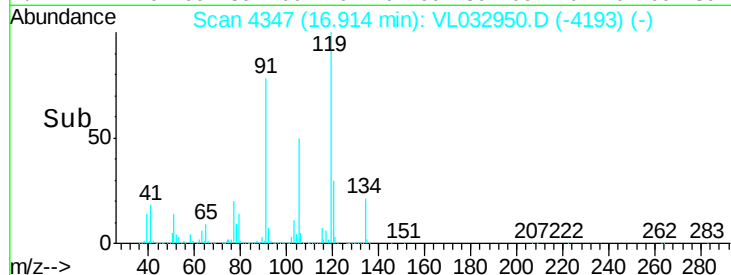
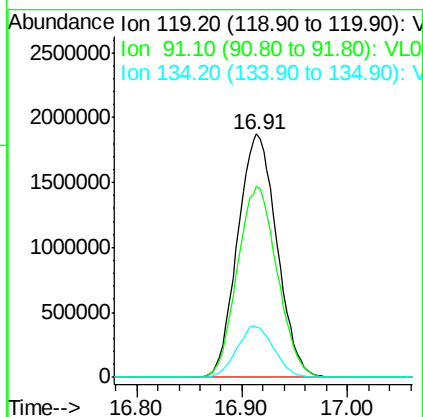
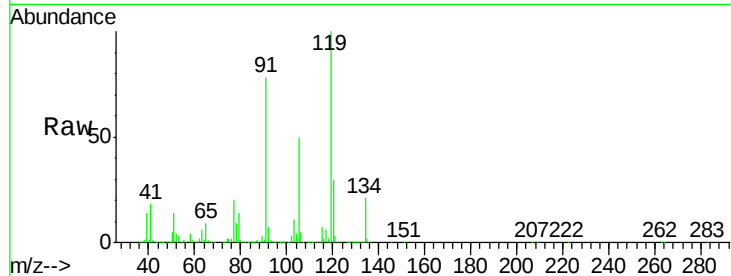
#65
tert-Butylbenzene
Concen: 10.814 ppbv
RT: 16.91 min Scan# 4347
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Instrument :
MSVOA_L
ClientSampleId :
VL1207ABS01

Tgt Ion: 119 Resp: 4843353
Ion Ratio Lower Upper
119 100
91 79.8 64.5 96.7
134 19.8 15.7 23.5

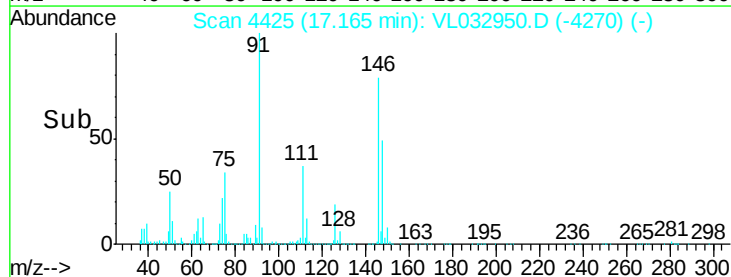
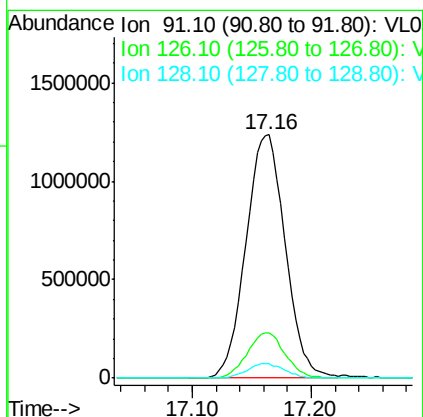
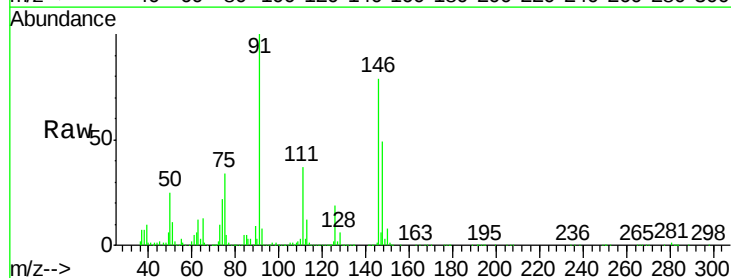
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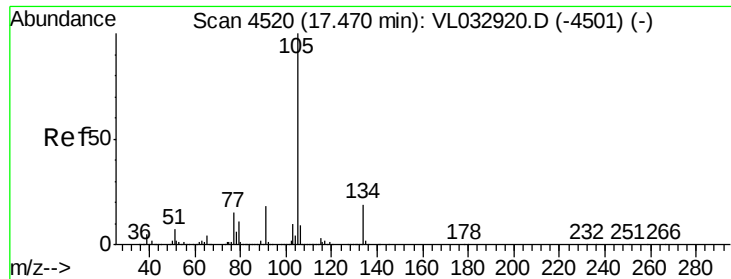
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#66
Benzyl Chloride
Concen: 11.399 ppbv
RT: 17.16 min Scan# 4425
Delta R.T. -0.00 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion: 91 Resp: 2829787
Ion Ratio Lower Upper
91 100
126 18.1 14.1 21.1
128 5.8 4.5 6.7





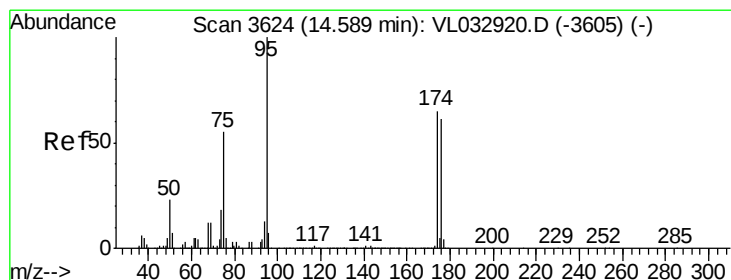
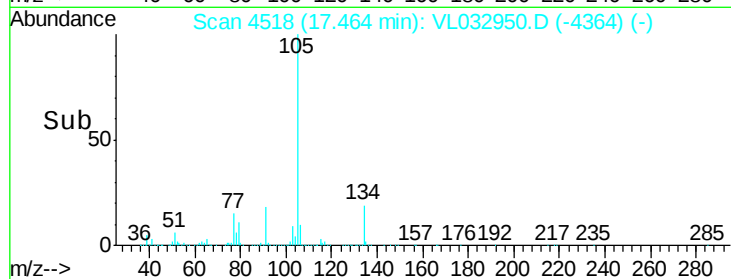
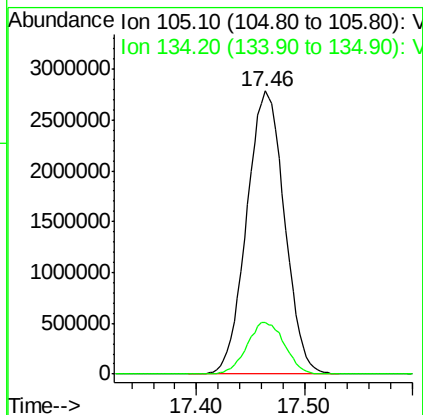
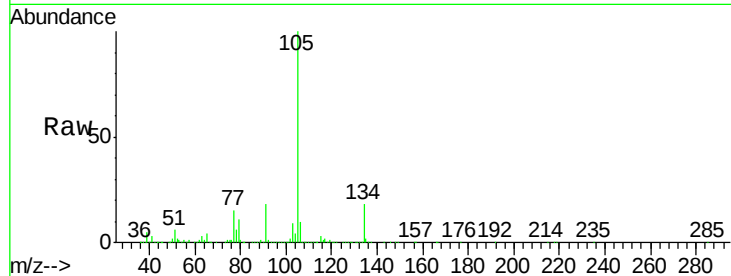
#67
 sec-Butylbenzene
 Concen: 10.260 ppbv
 RT: 17.46 min Scan# 4518
 Delta R.T. -0.01 min
 Lab File: VL032950.D
 Acq: 8 Dec 2018 1:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

Tgt Ion: 105 Resp: 6774698
 Ion Ratio Lower Upper
 105 100
 134 18.2 14.6 21.8

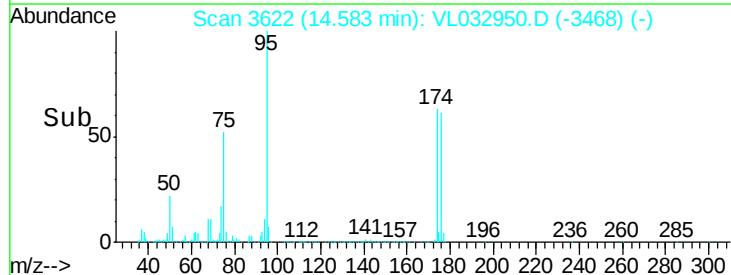
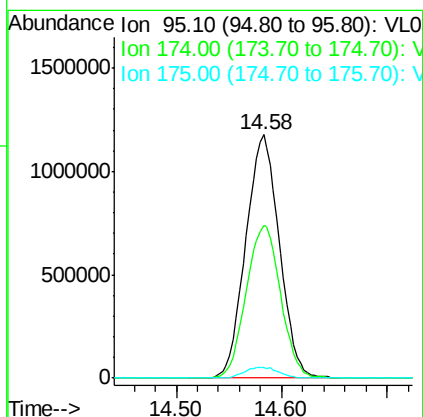
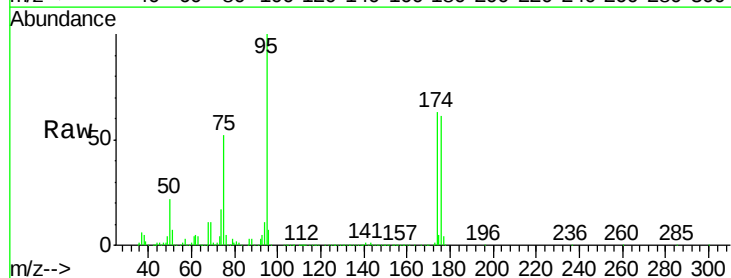
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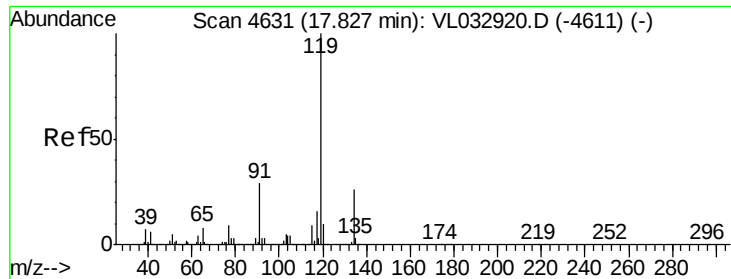
MMDadoda
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.997 ppbv
 RT: 14.58 min Scan# 3622
 Delta R.T. -0.01 min
 Lab File: VL032950.D
 Acq: 8 Dec 2018 1:45

Tgt Ion: 95 Resp: 2618545
 Ion Ratio Lower Upper
 95 100
 174 64.3 51.4 77.0
 175 4.8 3.8 5.6





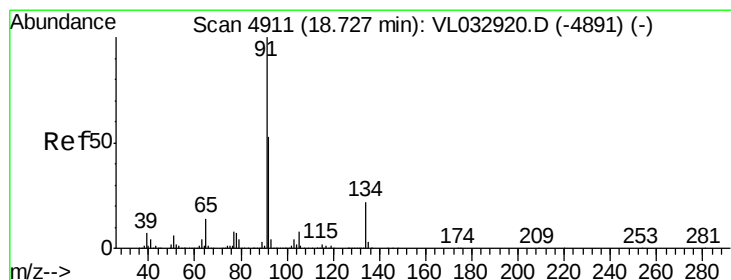
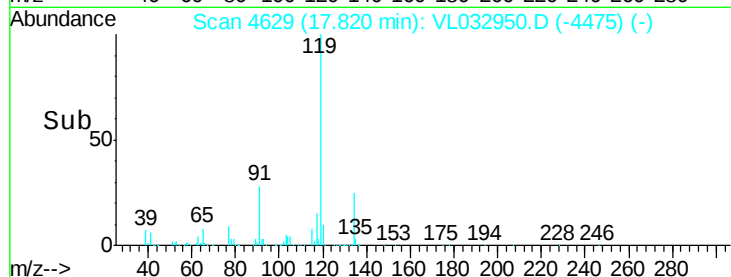
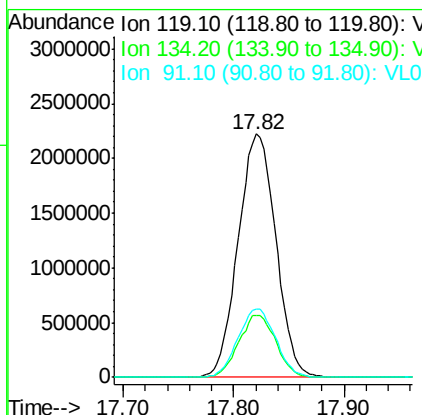
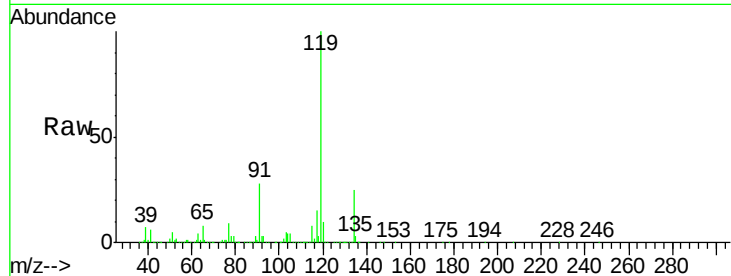
#69
p-Isopropyltoluene
Concen: 9.835 ppbv
RT: 17.82 min Scan# 4629
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Instrument :
MSVOA_L
ClientSampleId :
VL1207ABS01

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.2	30.2
91	28.3	22.9	34.3

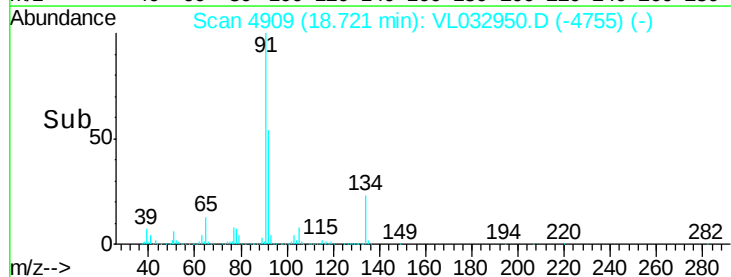
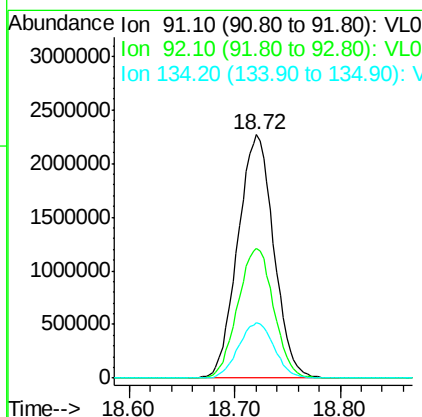
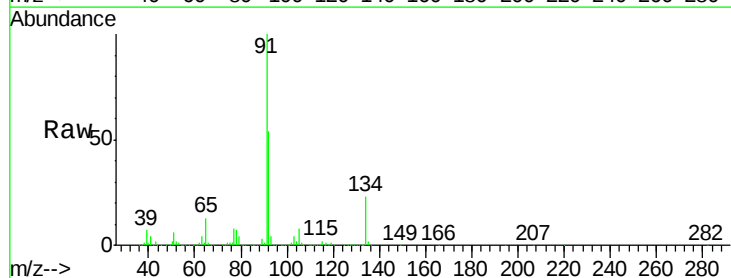
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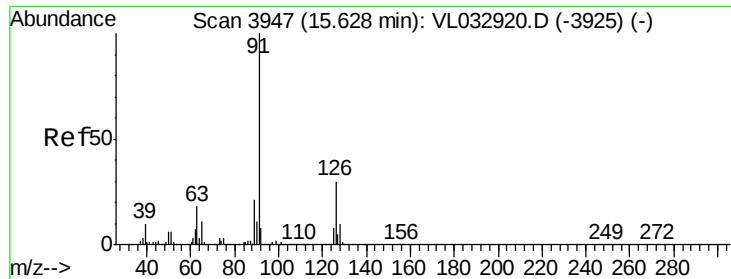
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#70
n-Butylbenzene
Concen: 10.890 ppbv
RT: 18.72 min Scan# 4909
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.5	42.7	64.1
134	22.7	18.0	27.0





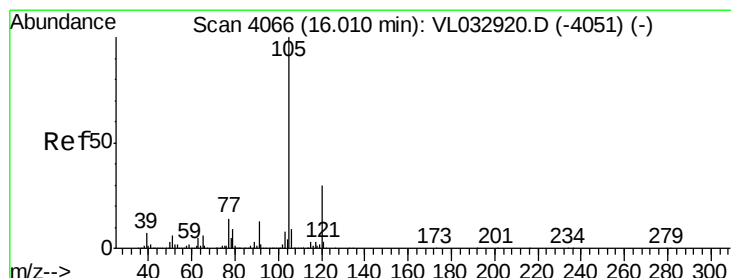
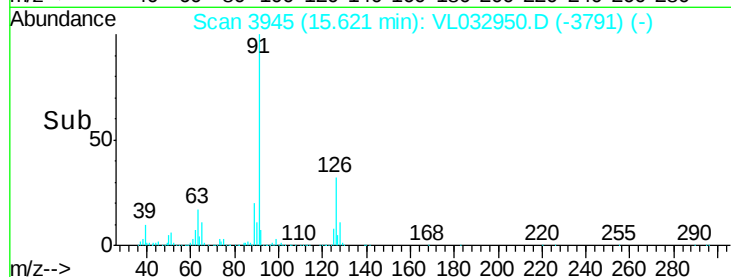
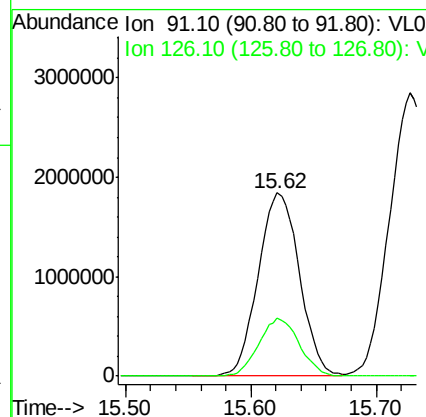
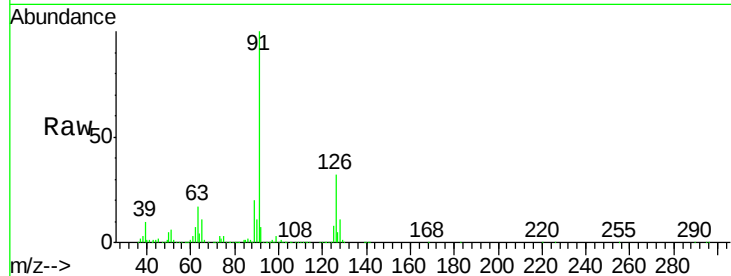
#71
 2-Chlorotoluene
 Concen: 11.731 ppbv
 RT: 15.62 min Scan# 3945
 Delta R.T. -0.01 min
 Lab File: VL032950.D
 Acq: 8 Dec 2018 1:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

Tgt Ion: 91 Resp: 4214508
 Ion Ratio Lower Upper
 91 100
 126 31.1 12.3 49.3

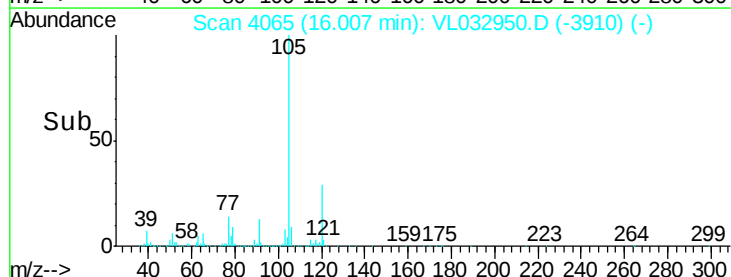
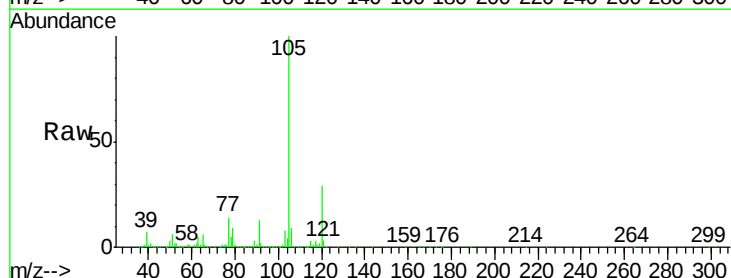
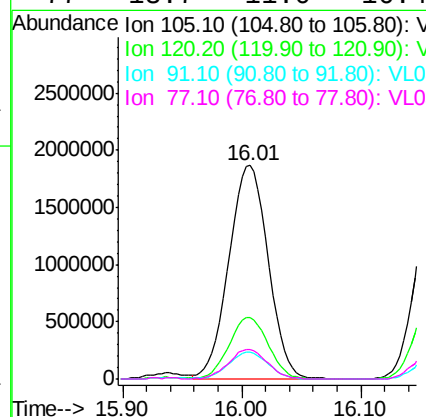
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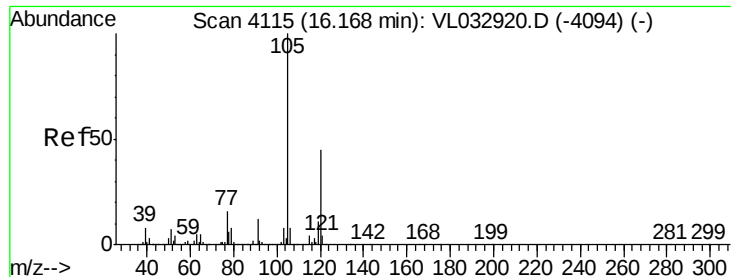
MMDadoda
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#72
 4-Ethyltoluene
 Concen: 11.048 ppbv
 RT: 16.01 min Scan# 4065
 Delta R.T. -0.00 min
 Lab File: VL032950.D
 Acq: 8 Dec 2018 1:45

Tgt Ion: 105 Resp: 4270826
 Ion Ratio Lower Upper
 105 100
 120 28.7 23.0 34.4
 91 12.8 10.4 15.6
 77 13.7 11.0 16.4





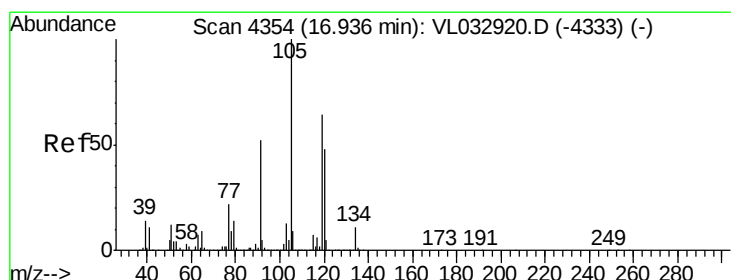
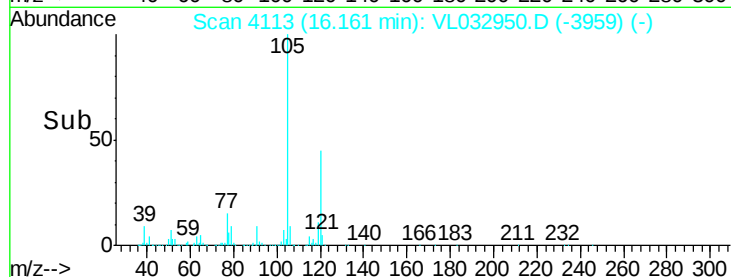
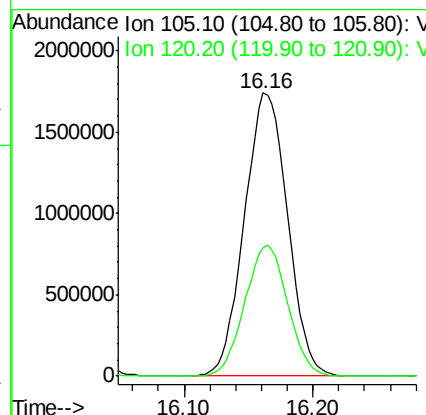
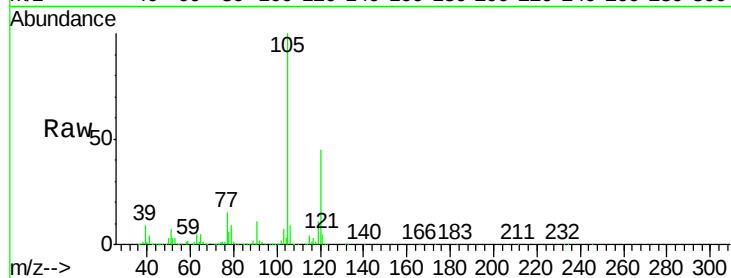
#73
 1,3,5-Trimethylbenzene
 Concen: 10.725 ppbv
 RT: 16.16 min Scan# 4113
 Delta R.T. -0.01 min
 Lab File: VL032950.D
 Acq: 8 Dec 2018 1:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

Tgt Ion:105 Resp: 4047689
 Ion Ratio Lower Upper
 105 100
 120 45.3 36.0 54.0

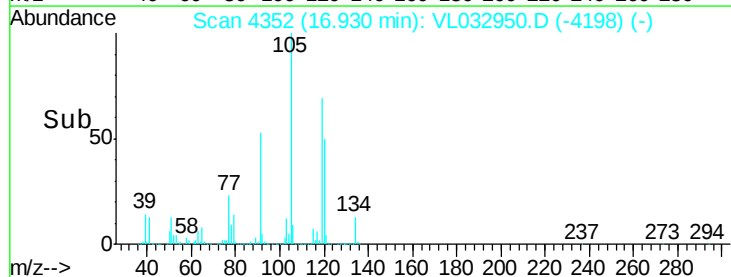
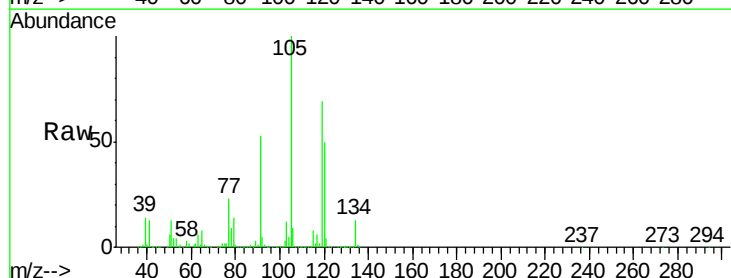
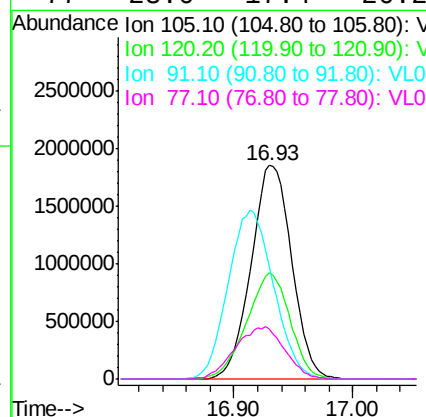
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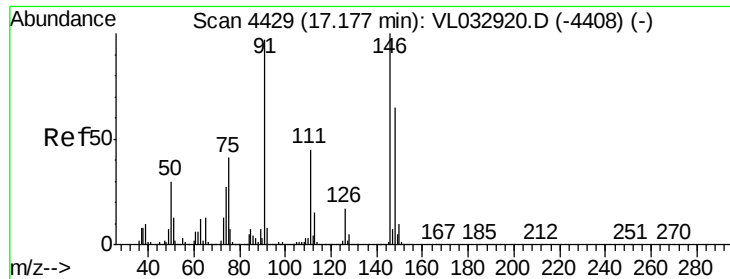
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#74
 1,2,4-Trimethylbenzene
 Concen: 10.260 ppbv
 RT: 16.93 min Scan# 4352
 Delta R.T. -0.01 min
 Lab File: VL032950.D
 Acq: 8 Dec 2018 1:45

Tgt Ion:105 Resp: 4372236
 Ion Ratio Lower Upper
 105 100
 120 49.8 38.6 58.0
 91 52.5 41.7 62.5
 77 23.0 17.4 26.2





#75

1,3-Dichlorobenzene

Concen: 9.941 ppbv

RT: 17.17 min Scan# 4427

Delta R.T. -0.01 min

Lab File: VL032950.D

Acq: 8 Dec 2018 1:45

Instrument :

MSVOA_L

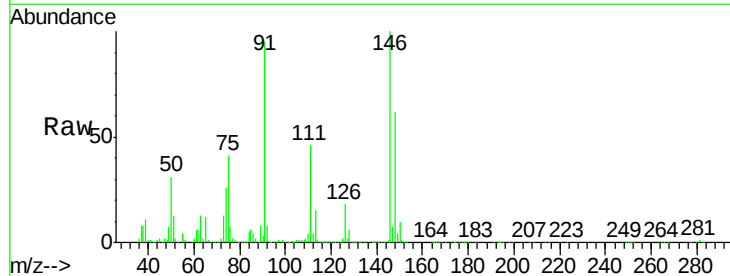
ClientSampleId :

VL1207ABS01

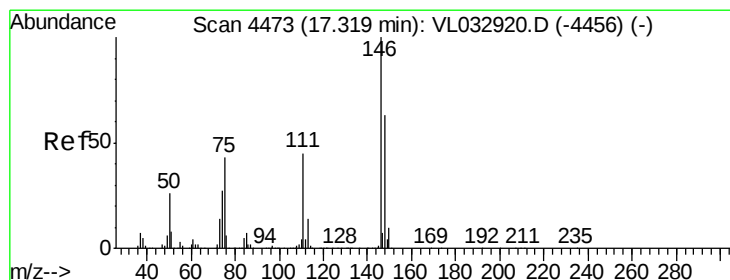
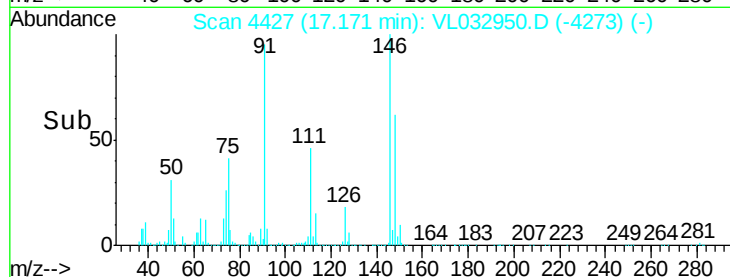
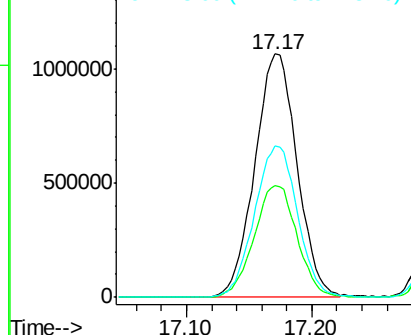
Tgt Ion:	146	Resp:	2494707
Ion Ratio	Lower	Upper	
146	100		
111	46.9	23.6	70.8
148	63.7	32.1	96.3

Manual Integrations
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 10.508 ppbv

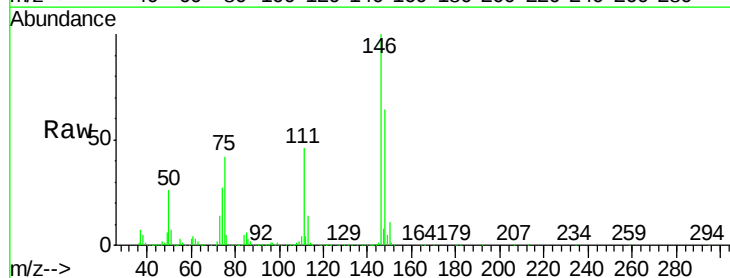
RT: 17.31 min Scan# 4471

Delta R.T. -0.01 min

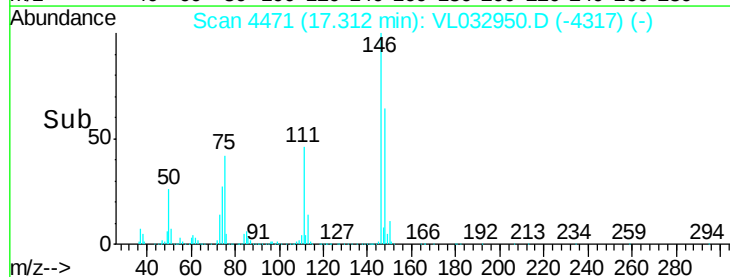
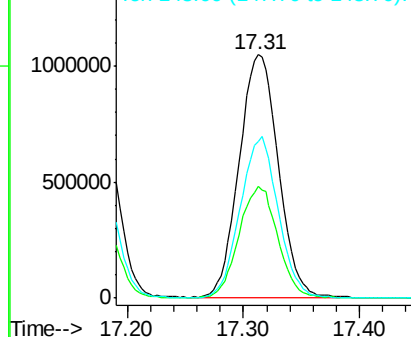
Lab File: VL032950.D

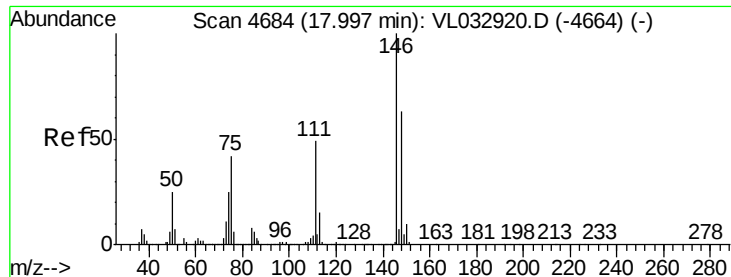
Acq: 8 Dec 2018 1:45

Tgt Ion:	146	Resp:	2460539
Ion Ratio	Lower	Upper	
146	100		
111	45.7	22.8	68.4
148	64.8	32.0	96.2



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V





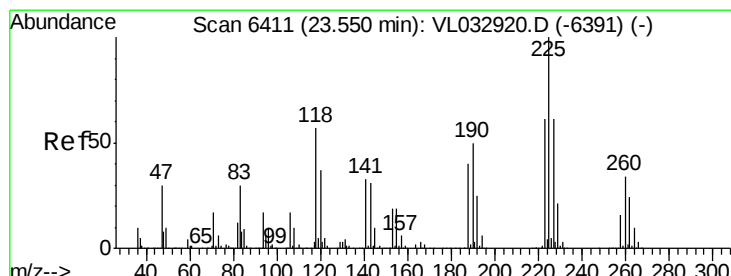
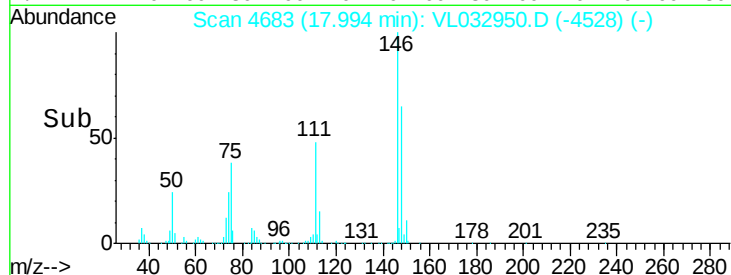
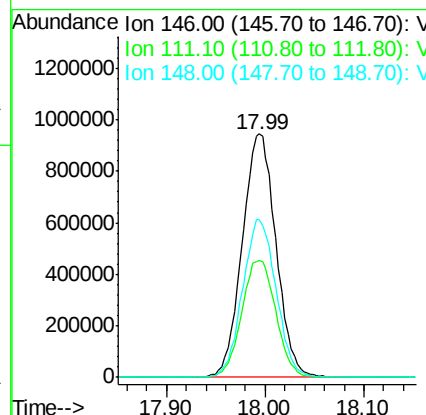
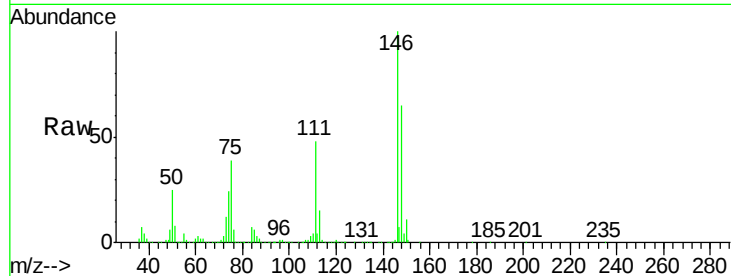
#77
 1,2-Dichlorobenzene
 Concen: 9.537 ppbv
 RT: 17.99 min Scan# 4683
 Delta R.T. -0.00 min
 Lab File: VL032950.D
 Acq: 8 Dec 2018 1:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

Tgt Ion:146 Resp: 2235085
 Ion Ratio Lower Upper
 146 100
 111 48.9 24.3 72.9
 148 64.5 32.0 96.2

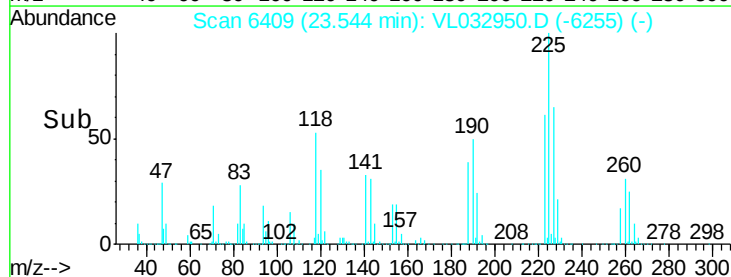
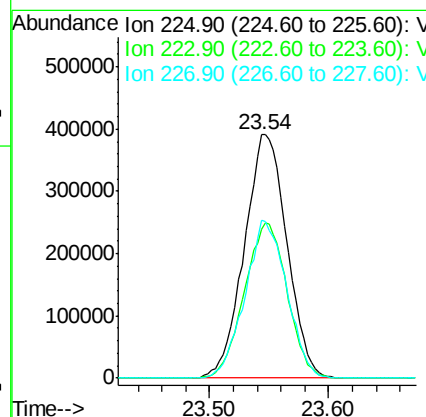
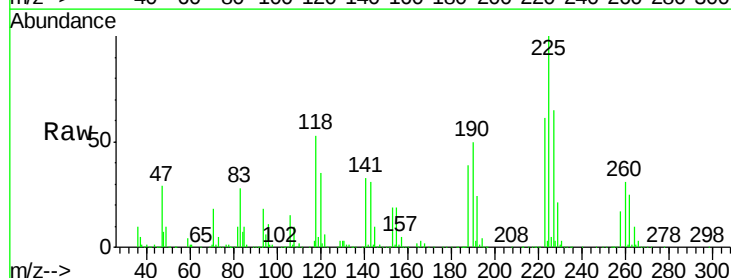
Manual Integrations
 APPROVED

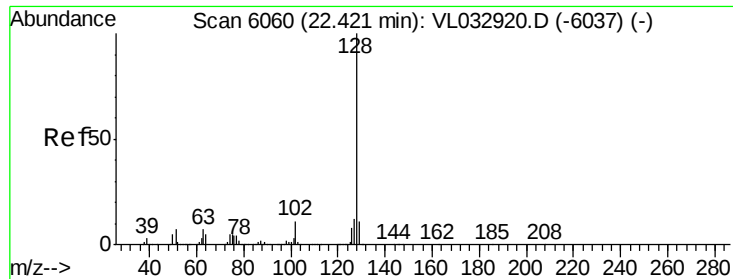
MMDadoda
 12/11/2018 10:09:48 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.517 ppbv
 RT: 23.54 min Scan# 6409
 Delta R.T. -0.01 min
 Lab File: VL032950.D
 Acq: 8 Dec 2018 1:45

Tgt Ion:225 Resp: 968825
 Ion Ratio Lower Upper
 225 100
 223 63.9 50.6 75.8
 227 63.4 50.4 75.6





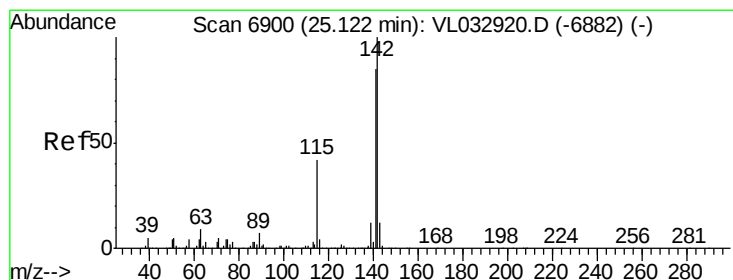
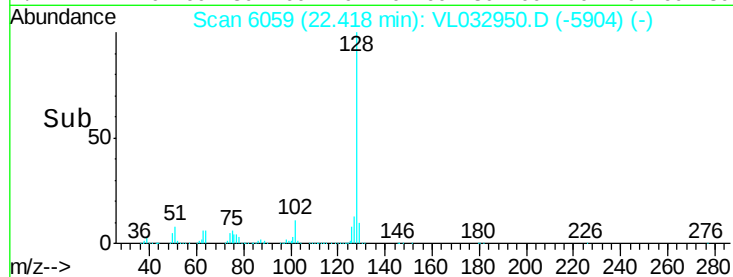
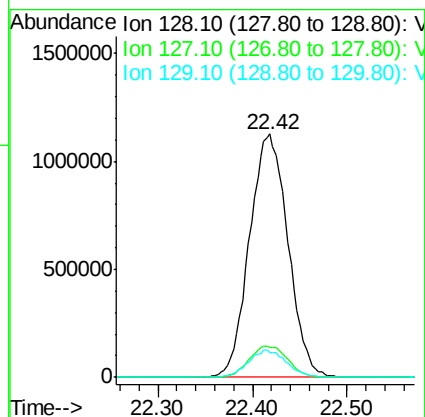
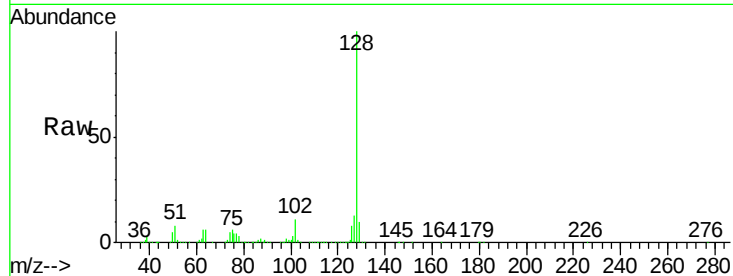
#79
Naphthalene
Concen: 11.569 ppbv
RT: 22.42 min Scan# 6059
Delta R.T. -0.00 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Instrument :
MSVOA_L
ClientSampleId :
VL1207ABS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.5	9.9	14.9
129	10.3	8.6	13.0

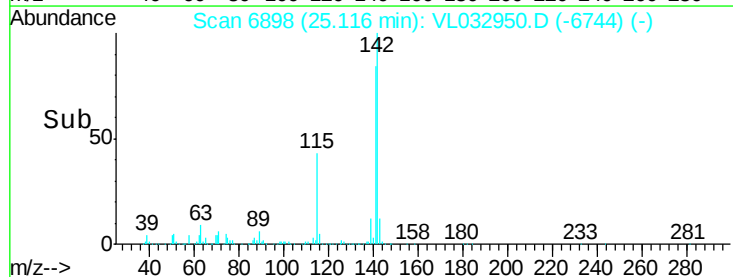
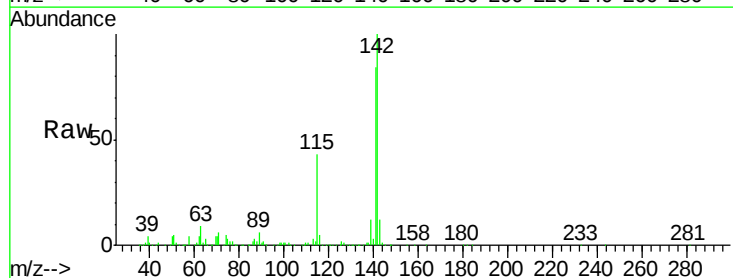
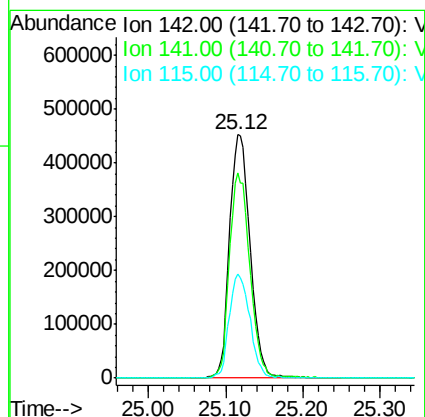
Manual Integrations
APPROVED

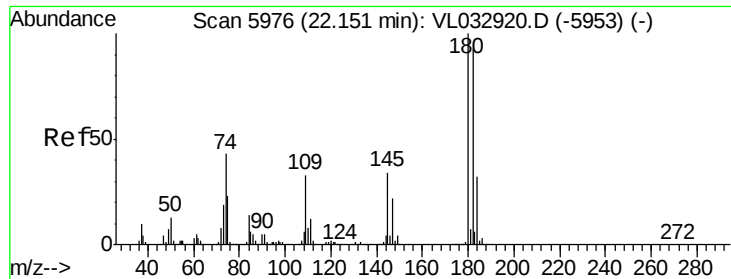
MMDadoda
12/11/2018 10:09:48 AM



#80
Naphthalene, 2-methyl-
Concen: 14.069 ppbv
RT: 25.12 min Scan# 6898
Delta R.T. -0.01 min
Lab File: VL032950.D
Acq: 8 Dec 2018 1:45

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.1	68.2	102.2
115	42.7	35.1	52.7





#81
 1,2,4-Trichlorobenzene
 Concen: 10.637 ppbv
 RT: 22.14 min Scan# 5973
 Delta R.T. -0.01 min
 Lab File: VL032950.D
 Acq: 8 Dec 2018 1:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	77.0	115.6
184	30.7	24.3	36.5

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 10:09:48 AM

