

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071318\
 Data File : VL032248.D
 Acq On : 13 Jul 2018 16:01
 Operator : SY/AP
 Sample : VL0713ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0713ABS01

Manual Integrations
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Quant Time: Jul 13 16:31:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL071218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 13 2018
 QLast Update : Fri Jul 13 04:25:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1663871	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.38	114	3919483	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.34	117	4796113m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	3487165	9.39	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.13	85	1829517	7.637	ppbv	100
3) Chlorodifluoromethane	3.06	51	1818733	8.895	ppbv	100
4) Chloromethane	3.23	50	1001308	8.609	ppbv	100
5) Vinyl Chloride	3.35	62	938774	8.193	ppbv	98
6) Bromomethane	3.57	94	508475	7.970	ppbv	98
7) Chloroethane	3.66	64	341646	8.657	ppbv	94
8) Dichlorotetrafluoroethane	3.27	85	1980169	7.526	ppbv	99
9) Propene	3.09	41	798091	9.156	ppbv	100
10) Heptane	8.34	43	2489906	10.059	ppbv	98
11) Trichlorofluoromethane	4.07	101	1983960	8.657	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.62	101	1314007	8.977	ppbv	99
13) Ethanol	3.71	45	199958	7.948	ppbv	96
14) Bromoethene	3.85	108	621805	9.005	ppbv	100
15) Acetone	3.96	43	1565849	8.110	ppbv	99
16) 1,3-Butadiene	3.42	39	847608	8.688	ppbv	99
17) tert-Butyl alcohol	4.42	59	726579	8.060	ppbv	100
18) 1,1-Dichloroethene	4.42	96	615887	9.041	ppbv	95
19) Isopropyl Alcohol	4.09	45	1279112	10.089	ppbv	# 99
20) Methylene Chloride	4.48	84	563540	8.613	ppbv	97
21) Allyl Chloride	4.55	41	1103577	9.763	ppbv	98
22) trans-1,2-Dichloroethene	5.04	96	650815	10.038	ppbv	95
23) Vinyl Acetate	5.23	43	3070492	9.562	ppbv	99
24) 1,1-Dichloroethane	5.16	63	2076698	9.211	ppbv	99
25) Ethyl Acetate	5.85	43	3638168	9.522	ppbv	100
26) Hexane	5.86	57	1655976	9.501	ppbv	100
27) Carbon Disulfide	4.69	76	1599694	10.258	ppbv	100
28) Methyl tert-Butyl Ether	5.19	73	2610560	9.516	ppbv	99
29) Chloroform	5.93	83	2447481	9.096	ppbv	99
30) Cyclohexane	7.33	84	1531888	9.960	ppbv	98
31) cis-1,2-Dichloroethene	5.72	61	1704696	9.801	ppbv	99
32) 1,1,1-Trichloroethane	6.70	97	2549530	9.765	ppbv	100
34) 2-Butanone	5.40	43	2584269	9.677	ppbv	99
35) Carbon Tetrachloride	7.22	117	2609509	9.837	ppbv	99
36) Benzene	7.09	78	3749435	9.625	ppbv	99
37) 1,2-Dichloroethane	6.50	62	2130329	9.990	ppbv	100
38) Trichloroethene	8.05	130	1219312	9.126	ppbv	97
39) 1,2-Dichloropropane	7.82	63	1519002	9.813	ppbv	99
40) 1,4-Dioxane	8.04	88	525259	9.895	ppbv	# 94
41) Tetrahydrofuran	6.23	42	1502795	10.055	ppbv	98
42) Bromodichloromethane	8.01	83	2935608	9.667	ppbv	99
43) Methyl Methacrylate	8.22	69	1542588	10.248	ppbv	98

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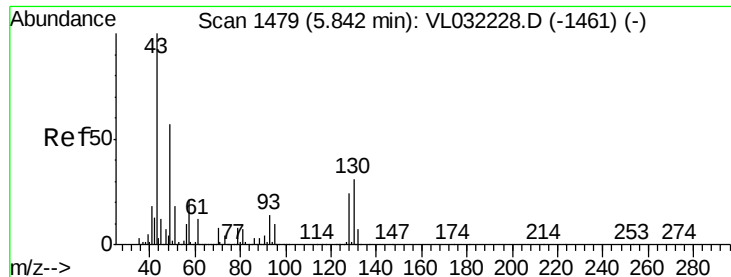
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL071218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 13 2018
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.08	57	6421450	9.585	ppbv	100
45) t-1,3-Dichloropropene	9.51	75	2260084	12.607	ppbv	98
46) cis-1,3-Dichloropropene	8.93	75	2201831	9.005	ppbv	100
47) 1,1,2-Trichloroethane	9.71	97	1515381	8.764	ppbv	98
48) Dibromochloromethane	10.55	129	2539146	9.871	ppbv	99
49) Bromoform	13.30	173	2085237	10.112	ppbv	100
50) 4-Methyl-2-Pentanone	8.96	43	4263770	9.229	ppbv	99
51) 2-Hexanone	10.37	43	3873800	10.040	ppbv	99
52) Tetrachloroethene	11.47	164	1225239	8.513	ppbv	98
53) Toluene	10.04	91	4123473	8.954	ppbv	99
54) 1,2-Dibromoethane	10.86	107	2336817	9.155	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.38	131	1794159	8.612	ppbv	100
57) Chlorobenzene	12.40	112	3366562	8.305	ppbv	99
58) Ethyl Benzene	12.96	91	6276206	8.987	ppbv	99
59) m/p-Xylene	13.25	91	10112698m	17.599	ppbv	
60) o-Xylene	13.95	91	4856090	8.564	ppbv	100
61) Styrene	13.78	104	3995992	9.405	ppbv	100
62) Isopropylbenzene	14.92	105	6794438	8.546	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.94	83	3633090	7.876	ppbv	100
64) n-propylbenzene	15.82	120	1771669	8.802	ppbv	98
65) tert-Butylbenzene	17.01	119	5563112	8.353	ppbv	100
66) Benzyl Chloride	17.26	91	3780169	11.216	ppbv	99
67) sec-Butylbenzene	17.56	105	8356237	8.587	ppbv	99
69) p-Isopropyltoluene	17.91	119	6661603	8.792	ppbv	99
70) n-Butylbenzene	18.81	91	7479955	8.937	ppbv	100
71) 2-Chlorotoluene	15.72	91	5506496	8.800	ppbv	99
72) 4-Ethyltoluene	16.10	105	5815837	9.141	ppbv	99
73) 1,3,5-Trimethylbenzene	16.25	105	5527193	9.343	ppbv	98
74) 1,2,4-Trimethylbenzene	17.03	105	5364669	8.868	ppbv	98
75) 1,3-Dichlorobenzene	17.26	146	2936688	8.137	ppbv	99
76) 1,4-Dichlorobenzene	17.41	146	3029075	8.571	ppbv	99
77) 1,2-Dichlorobenzene	18.09	146	2963625	8.263	ppbv	100
78) Hexachloro-1,3-Butadiene	23.63	225	842605	7.538	ppbv	99
79) Naphthalene	22.53	128	5160331	12.707	ppbv	99
80) Naphthalene,2-methyl-	25.19	142	2550264	19.657	ppbv	99
81) 1,2,4-Trichlorobenzene	22.25	180	2354623m	11.587	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.84 min Scan# 1479

Delta R.T. 0.00 min

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VL0713ABS01

Tgt Ion: 49 Resp: 1663871

Ion Ratio Lower Upper

49 100

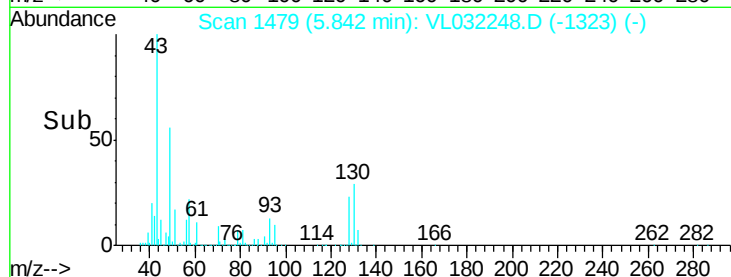
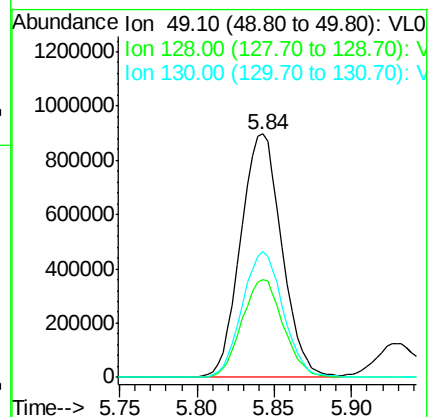
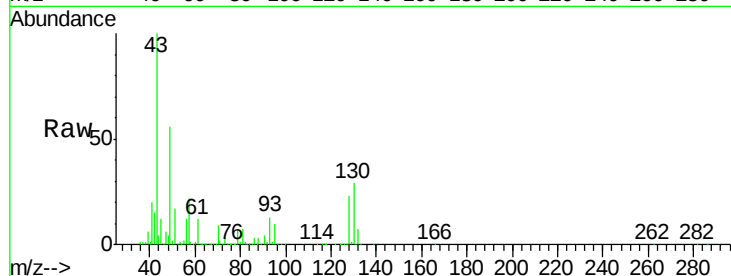
128 40.6 20.9 62.8

130 51.5 27.0 81.0

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#2

Dichlorodifluoromethane

Concen: 7.637 ppbv

RT: 3.13 min Scan# 635

Delta R.T. 0.00 min

Lab File: VL032248.D

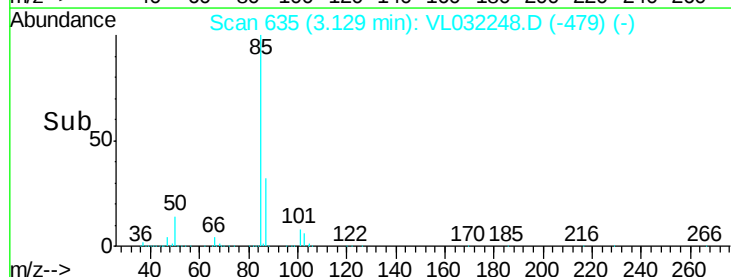
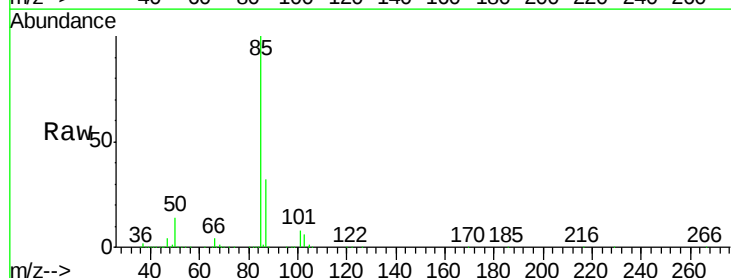
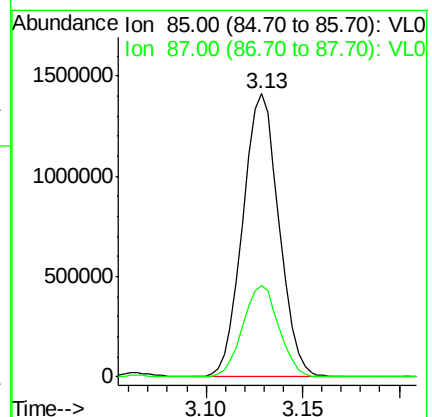
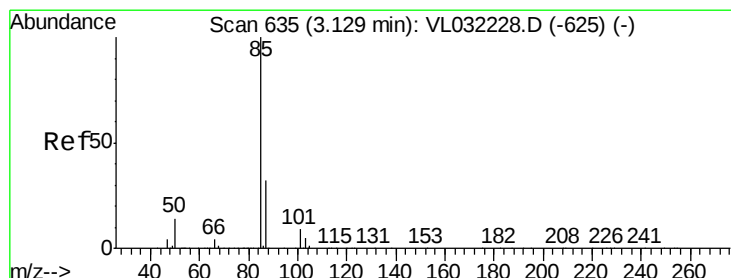
Acq: 13 Jul 2018 16:01

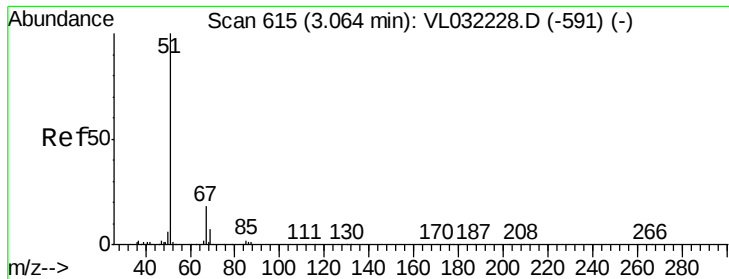
Tgt Ion: 85 Resp: 1829517

Ion Ratio Lower Upper

85 100

87 32.4 25.8 38.6





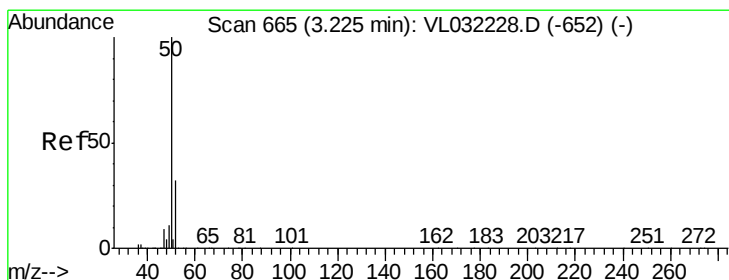
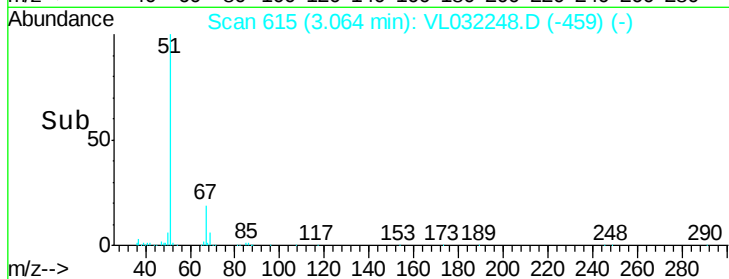
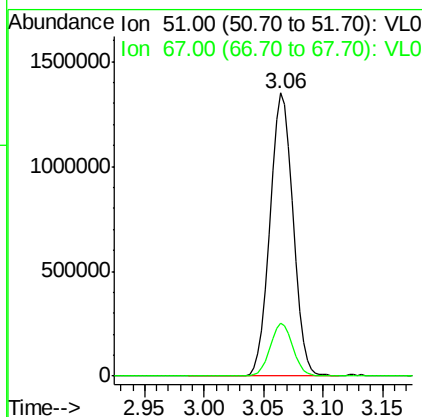
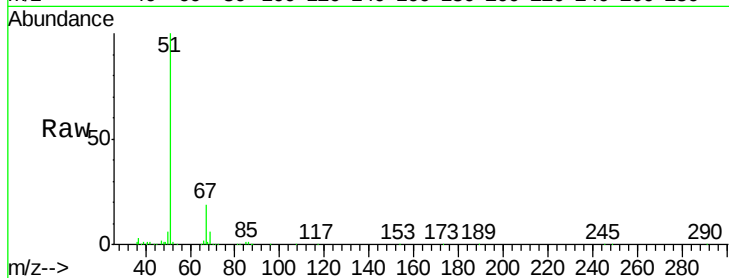
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 Chlorodifluoromethane
 Concen: 8.895 ppbv
 RT: 3.06 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: VL032248.D
 Acq: 13 Jul 2018 16:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0713ABS01

Tgt Ion: 51 Resp: 1818733
 Ion Ratio Lower Upper
 51 100
 67 18.4 14.6 22.0

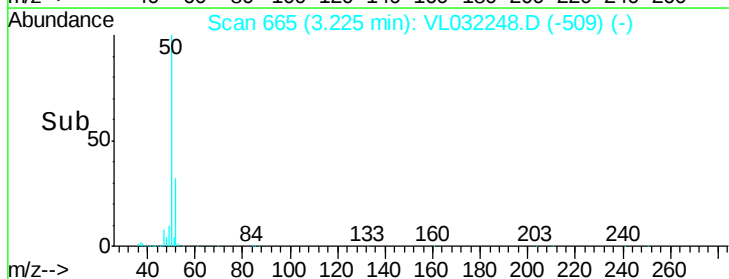
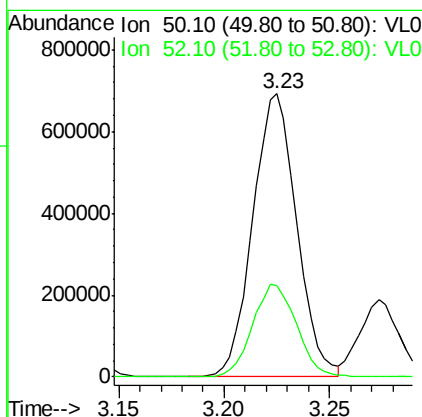
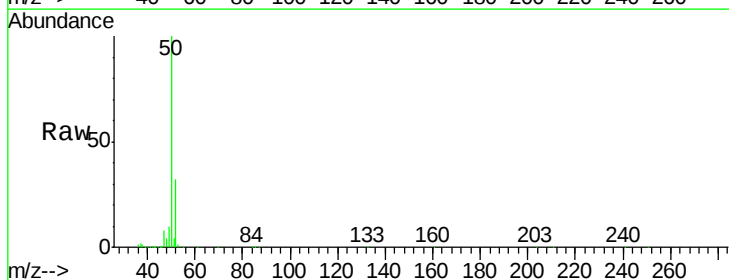
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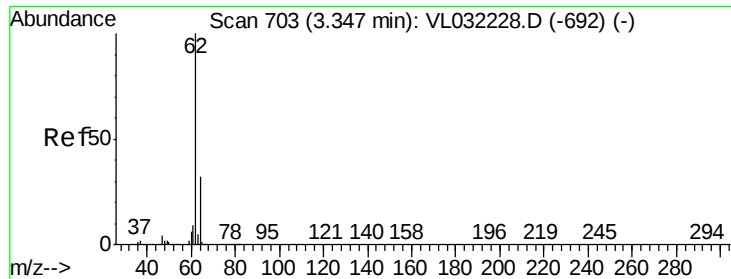
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#4
 Chloromethane
 Concen: 8.609 ppbv
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VL032248.D
 Acq: 13 Jul 2018 16:01

Tgt Ion: 50 Resp: 1001308
 Ion Ratio Lower Upper
 50 100
 52 32.3 25.7 38.5





#5

Vinyl Chloride

Concen: 8.193 ppbv

RT: 3.35 min Scan# 703

Delta R.T. 0.00 min

Lab File: VL032248.D

Acq: 13 Jul 2018 16:01

Instrument :

MSVOA_L

ClientSampleId :

VL0713ABS01

Tgt Ion: 62 Resp: 938774

Ion Ratio Lower Upper

62 100

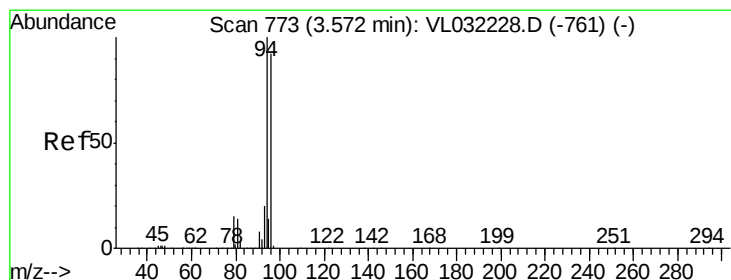
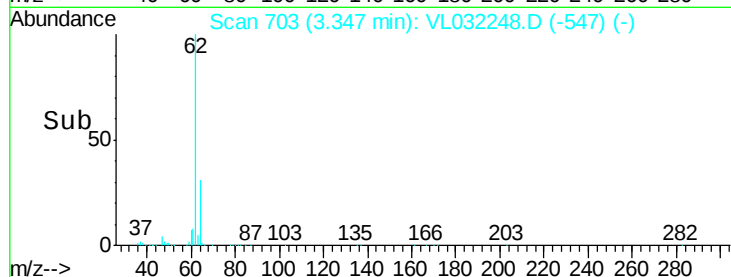
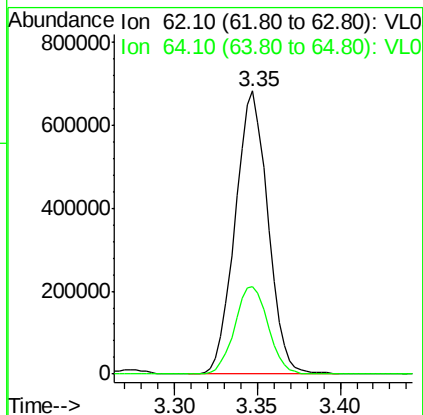
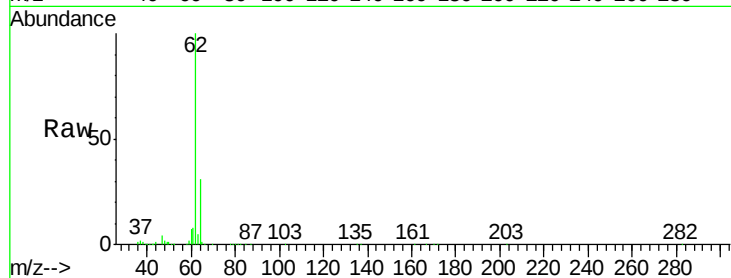
64 30.9 25.8 38.6

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#6

Bromomethane

Concen: 7.970 ppbv

RT: 3.57 min Scan# 773

Delta R.T. 0.00 min

Lab File: VL032248.D

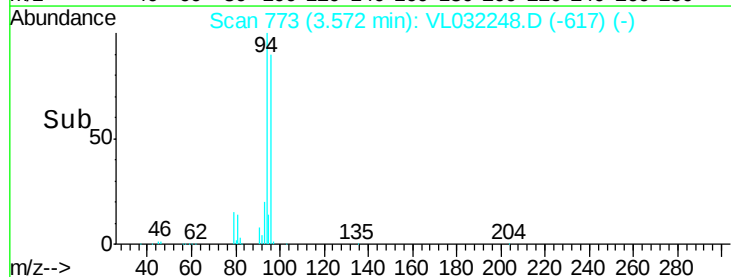
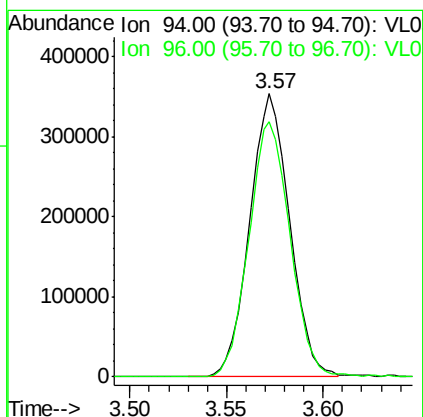
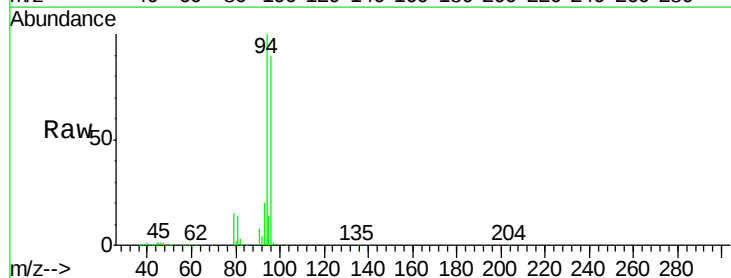
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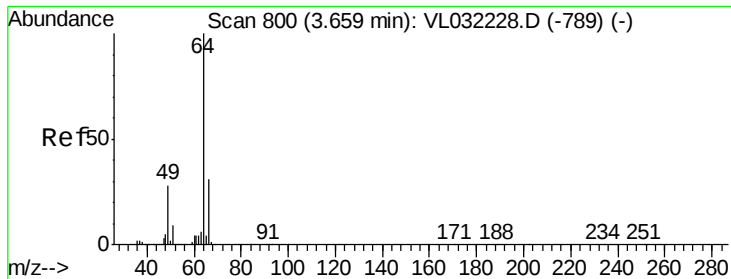
Tgt Ion: 94 Resp: 508475

Ion Ratio Lower Upper

94 100

96 90.2 73.5 110.3





#7

Chloroethane

Concen: 8.657 ppbv

RT: 3.66 min Scan# 800

Delta R.T. 0.00 min

Lab File: VL032248.D

Acq: 13 Jul 2018 16:01

Instrument :

MSVOA_L

ClientSampleId :

VL0713ABS01

Tgt Ion: 64 Resp: 341646

Ion Ratio Lower Upper

64 100

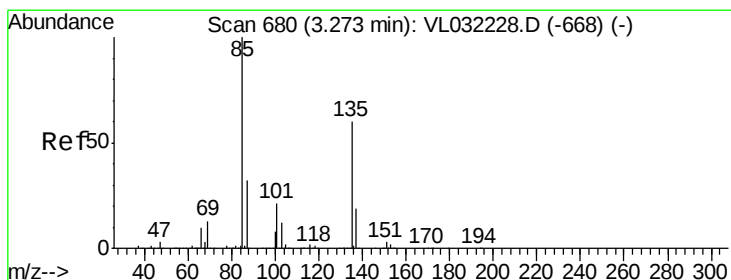
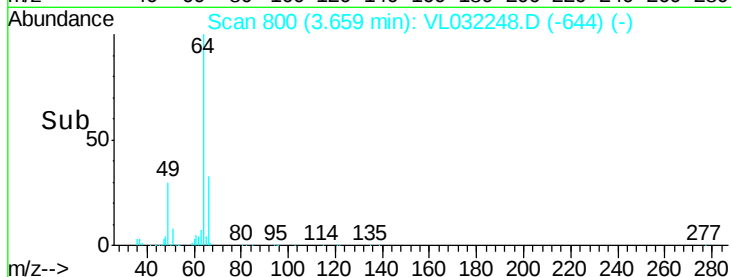
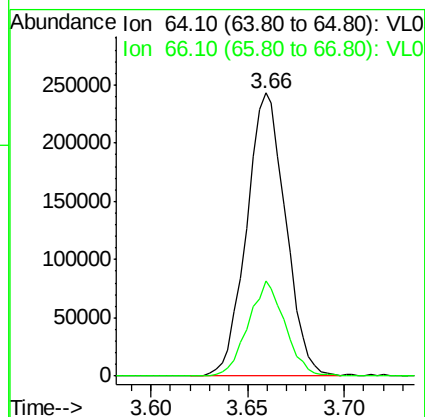
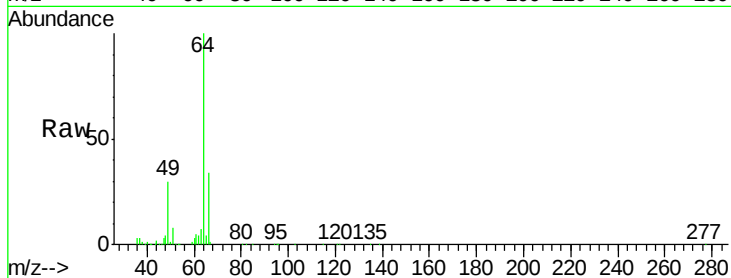
66 33.5 24.4 36.6

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#8

Dichlorotetrafluoroethane

Concen: 7.526 ppbv

RT: 3.27 min Scan# 680

Delta R.T. 0.00 min

Lab File: VL032248.D

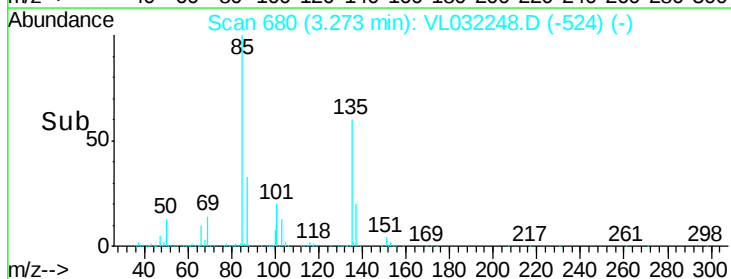
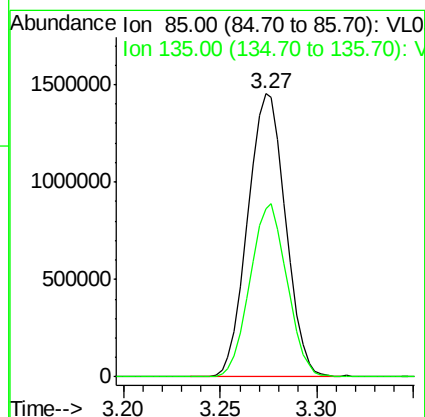
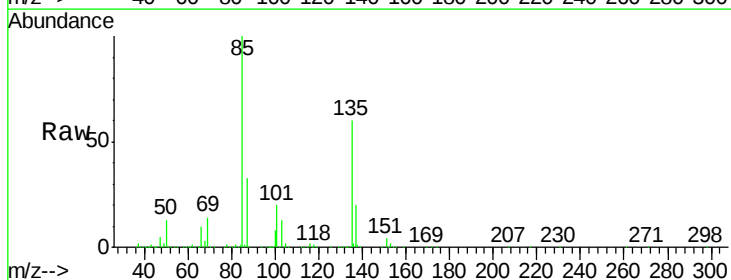
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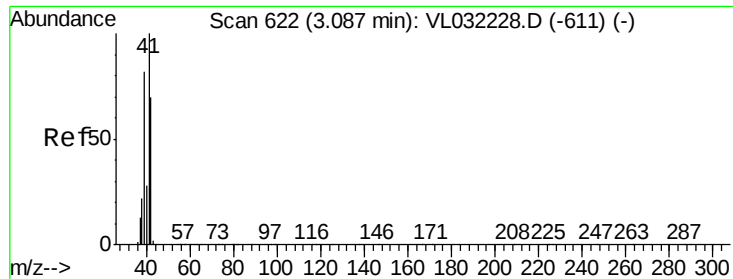
Tgt Ion: 85 Resp: 1980169

Ion Ratio Lower Upper

85 100

135 60.0 48.6 72.8





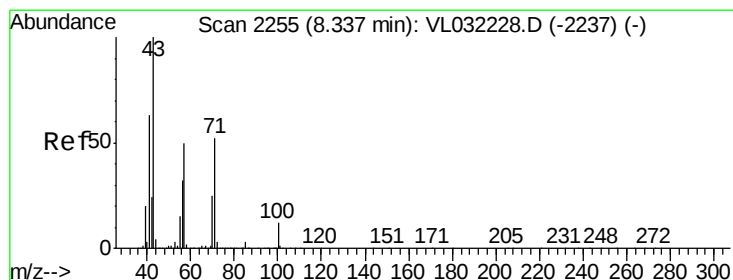
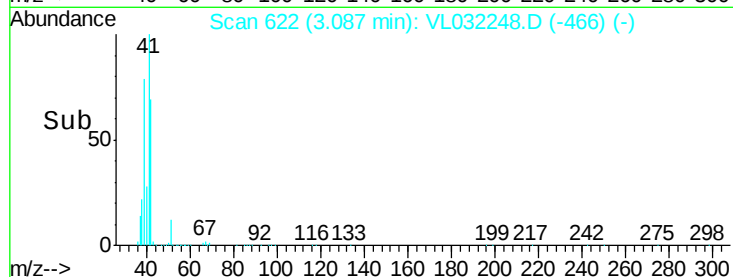
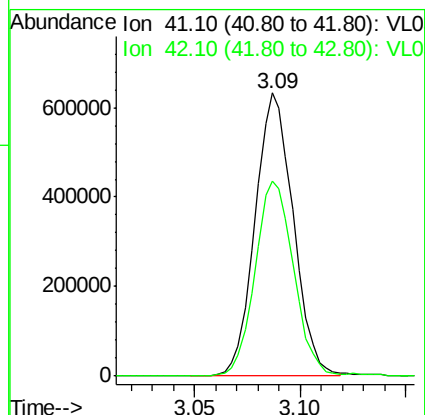
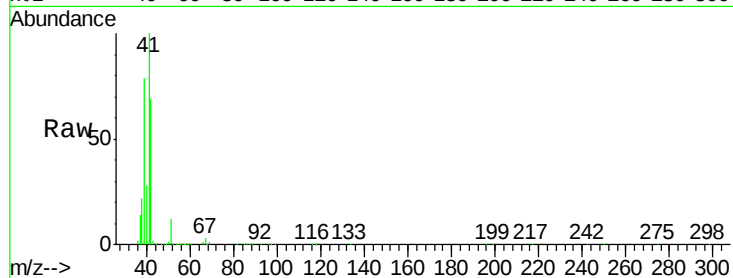
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 Propene
 Concen: 9.156 ppbv
 RT: 3.09 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: VL032248.D
 Acq: 13 Jul 2018 16:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0713ABS01

Tgt Ion: 41 Resp: 798091
 Ion Ratio Lower Upper
 41 100
 42 70.2 56.2 84.4

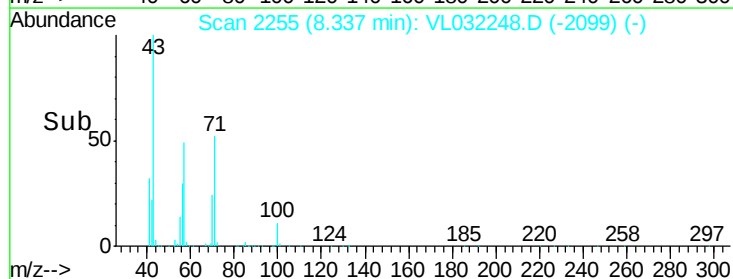
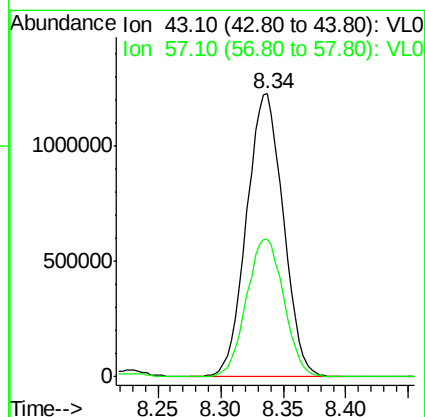
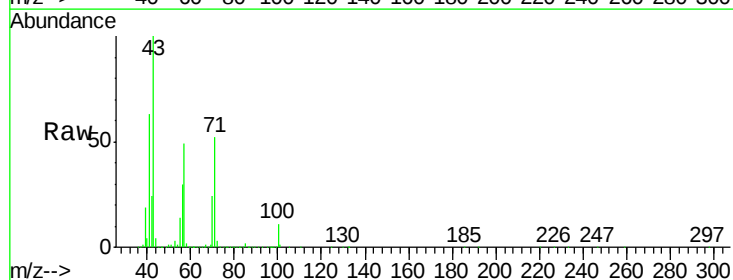
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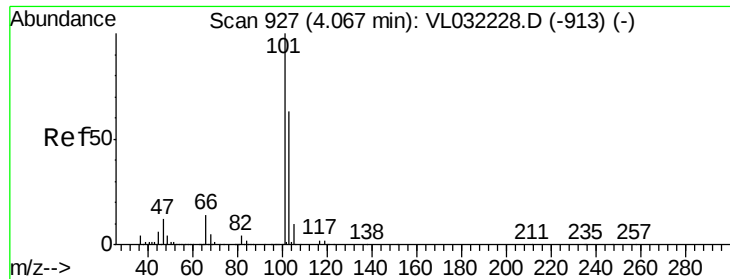
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#10
 Heptane
 Concen: 10.059 ppbv
 RT: 8.34 min Scan# 2255
 Delta R.T. 0.00 min
 Lab File: VL032248.D
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Tgt Ion: 43 Resp: 2489906
 Ion Ratio Lower Upper
 43 100
 57 49.7 40.7 61.1





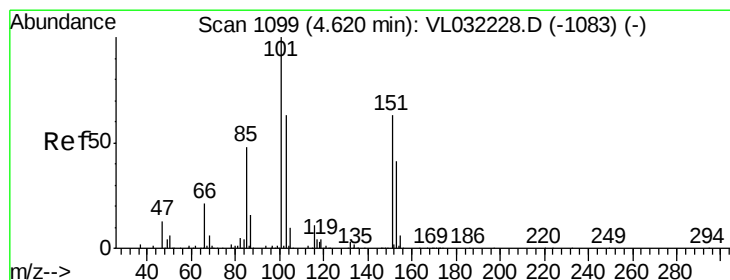
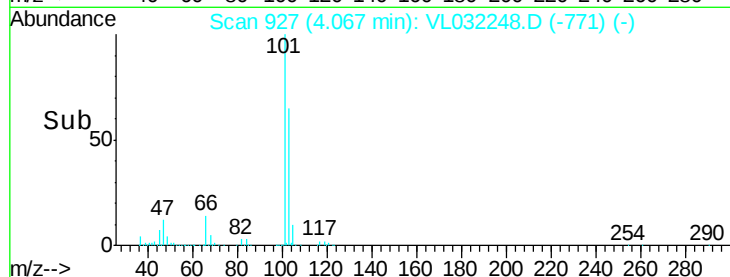
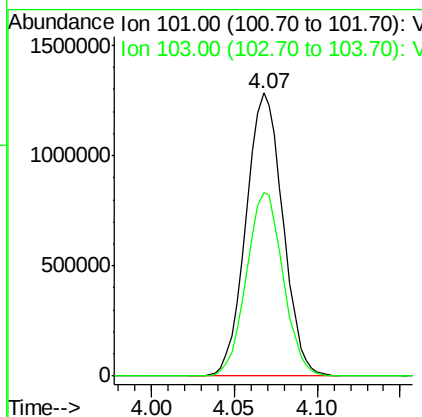
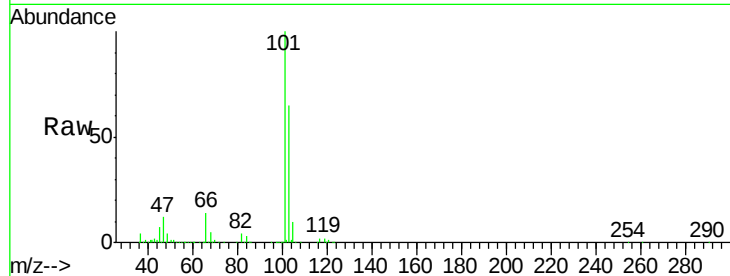
#11
 Trichlorofluoromethane
 Concen: 8.657 ppbv
 RT: 4.07 min Scan# 927
 Delta R.T. 0.00 min
 Lab File: VL032248.D
 Acq: 13 Jul 2018 16:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0713ABS01

Tgt Ion:101 Resp: 1983960
 Ion Ratio Lower Upper
 101 100
 103 64.6 50.2 75.2

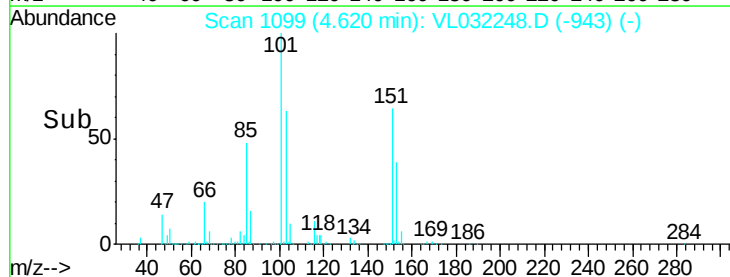
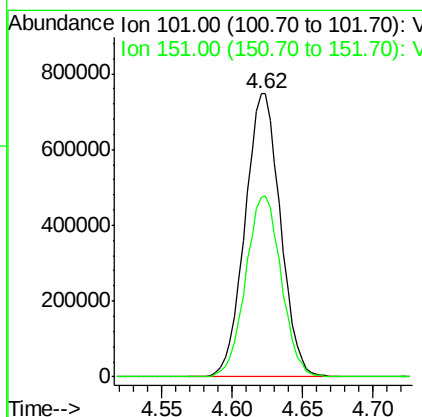
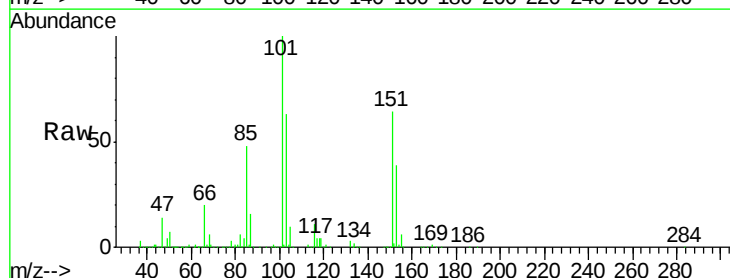
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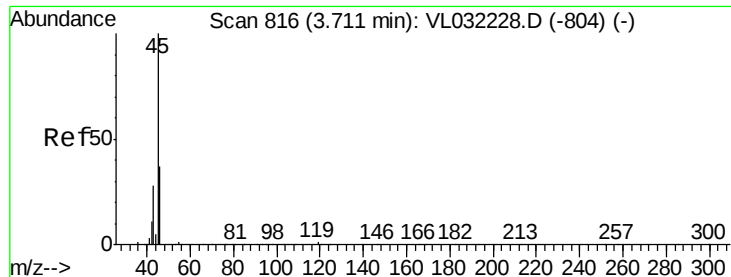
apatel
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.977 ppbv
 RT: 4.62 min Scan# 1099
 Delta R.T. 0.00 min
 Lab File: VL032248.D
 Acq: 13 Jul 2018 16:01

Tgt Ion:101 Resp: 1314007
 Ion Ratio Lower Upper
 101 100
 151 64.2 52.2 78.2





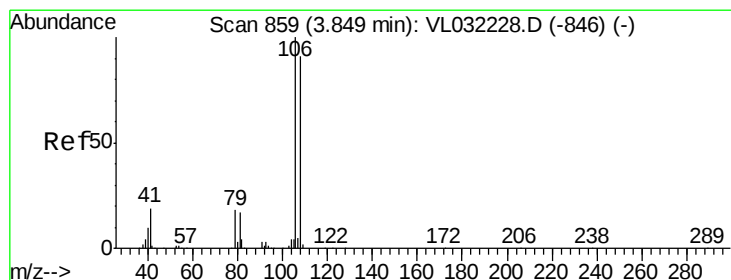
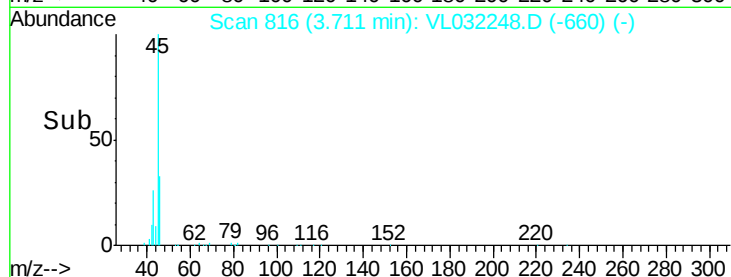
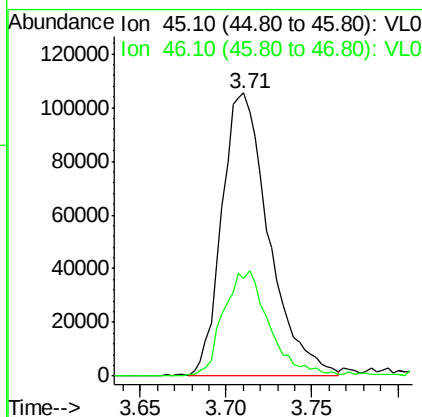
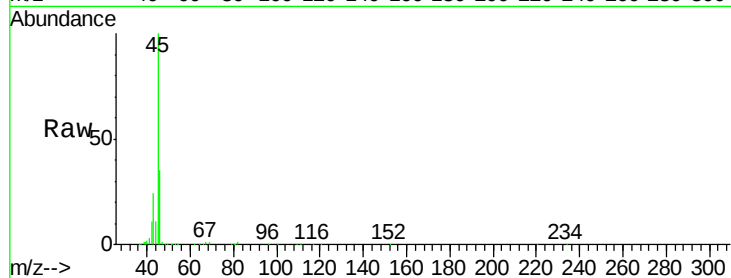
#13
Ethanol
Concen: 7.948 ppbv
RT: 3.71 min Scan# 816
Delta R.T. 0.00 min
Lab File: VL032248.D
Acq: 13 Jul 2018 16:01

Instrument :
MSVOA_L
ClientSampleId :
VL0713ABS01

Tgt Ion	Ratio	Lower	Upper
45	100		
46	36.5	15.5	61.9

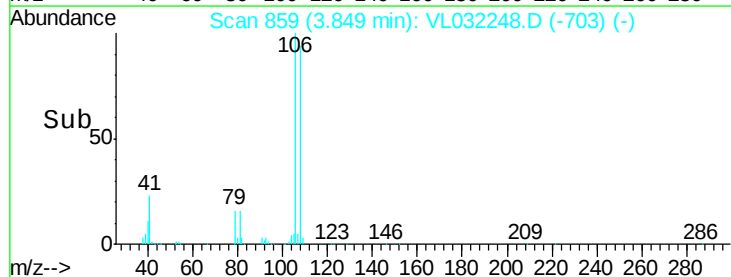
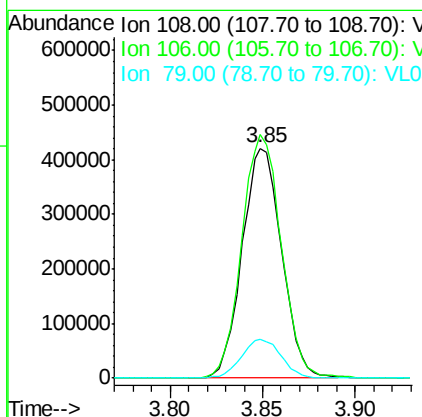
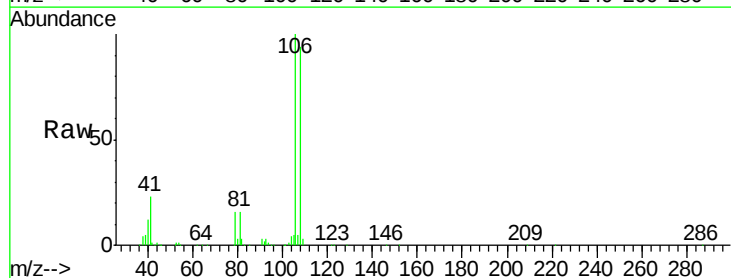
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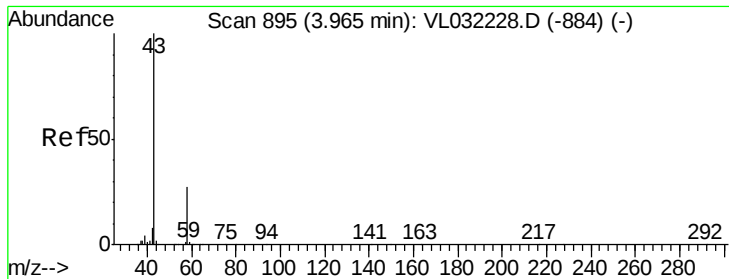
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#14
Bromoethene
Concen: 9.005 ppbv
RT: 3.85 min Scan# 859
Delta R.T. 0.00 min
Lab File: VL032248.D
Acq: 13 Jul 2018 16:01

Tgt Ion	Ratio	Lower	Upper
108	100		
106	106.6	85.5	128.3
79	17.4	14.2	21.4





#15

Acetone

Concen: 8.110 ppbv

RT: 3.96 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL032248.D

Acq: 13 Jul 2018 16:01

Instrument :

MSVOA_L

ClientSampleId :

VL0713ABS01

Tgt Ion: 43 Resp: 1565849

Ion Ratio Lower Upper

43 100

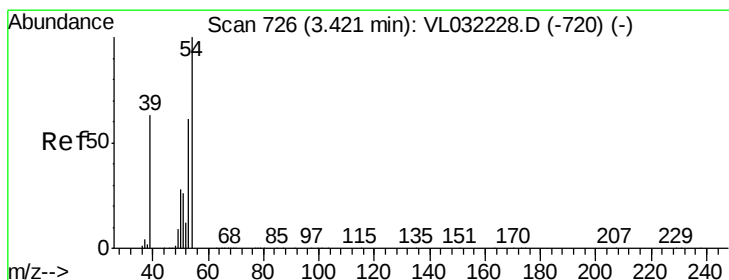
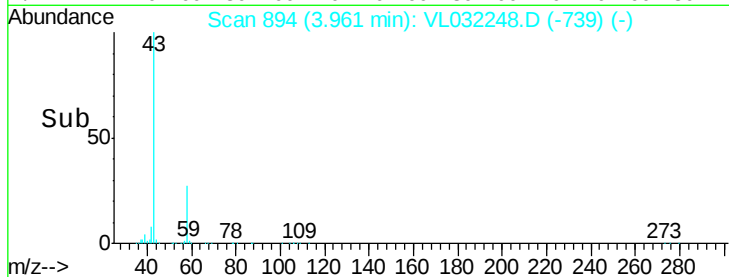
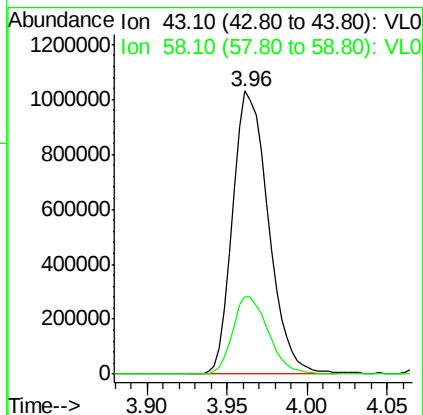
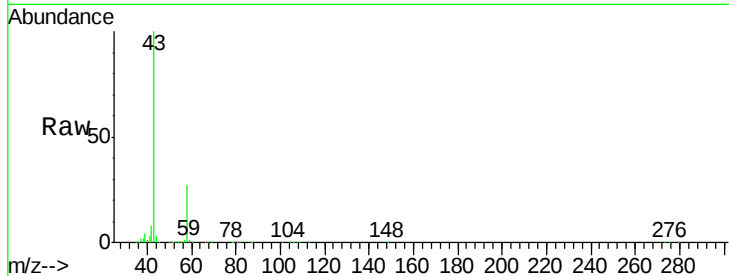
58 27.5 21.5 32.3

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#16

1,3-Butadiene

Concen: 8.688 ppbv

RT: 3.42 min Scan# 725

Delta R.T. -0.00 min

Lab File: VL032248.D

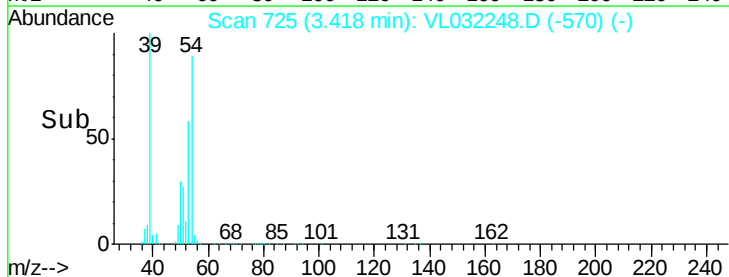
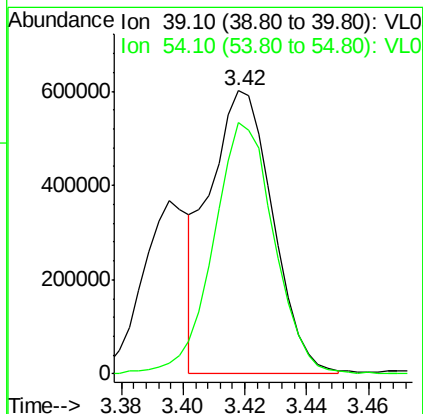
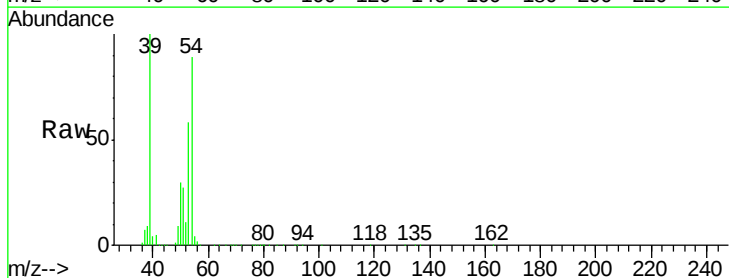
Acq: 13 Jul 2018 16:01

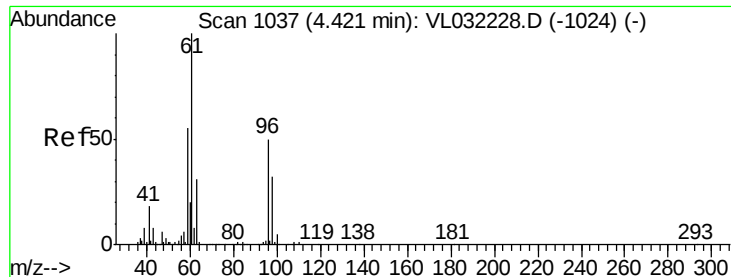
Tgt Ion: 39 Resp: 847608

Ion Ratio Lower Upper

39 100

54 86.5 70.0 105.0





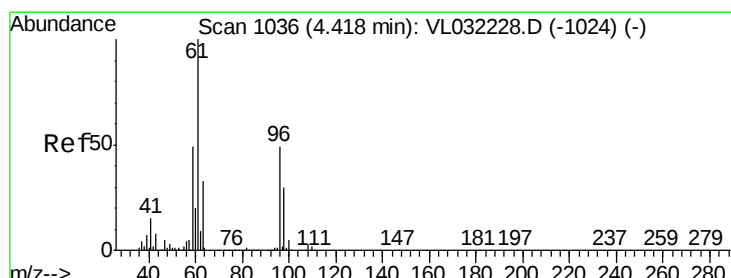
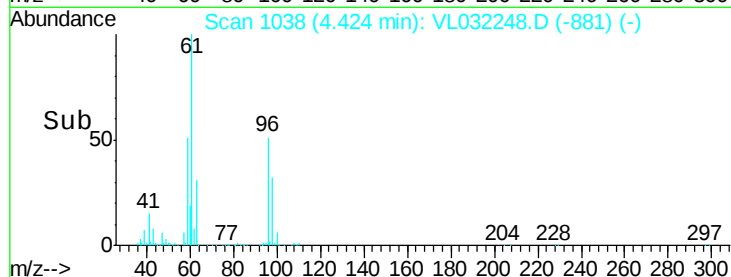
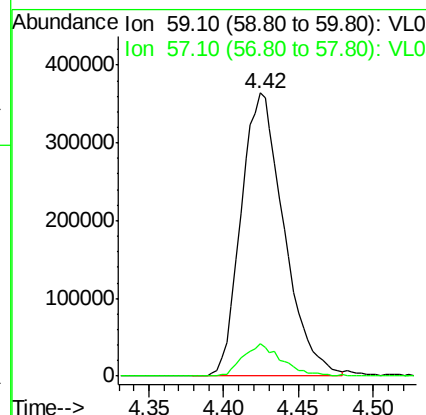
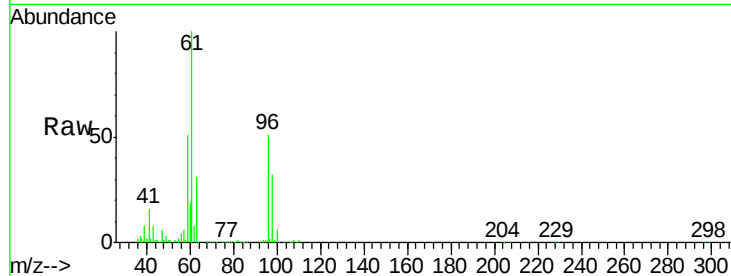
#17
 tert-Butyl alcohol
 Concen: 8.060 ppbv
 RT: 4.42 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: VL032248.D
 Acq: 13 Jul 2018 16:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0713ABS01

Tgt Ion: 59 Resp: 726579
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.4 12.6

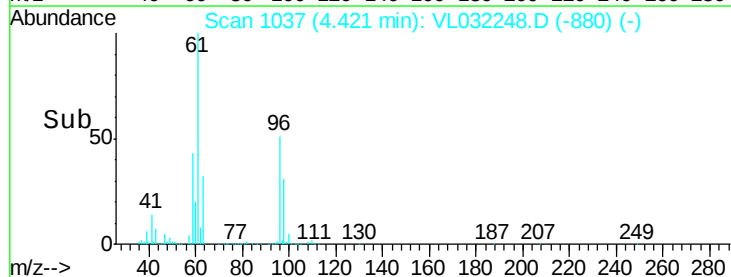
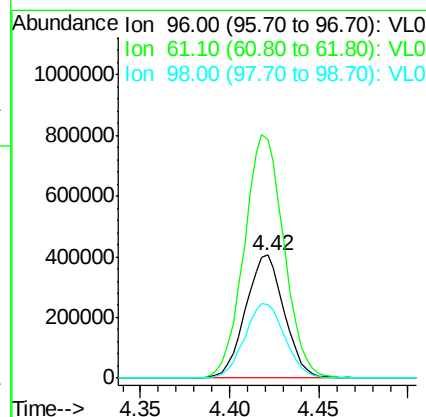
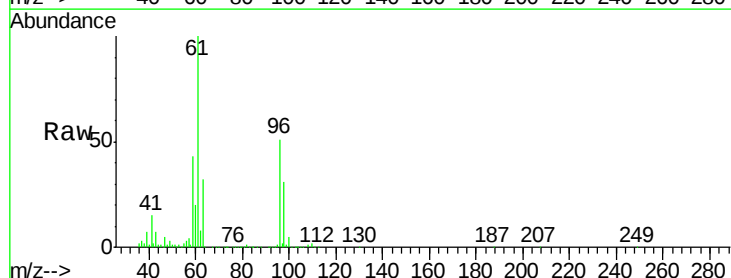
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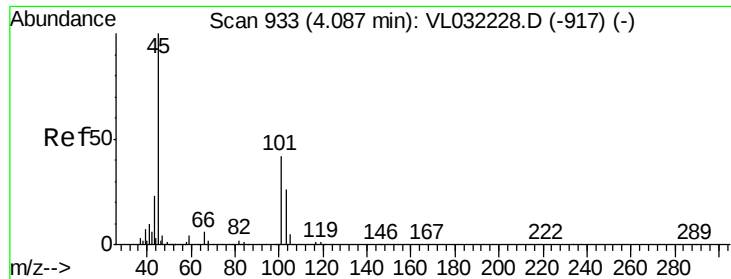
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#18
 1,1-Dichloroethene
 Concen: 9.041 ppbv
 RT: 4.42 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VL032248.D
 Acq: 13 Jul 2018 16:01

Tgt Ion: 96 Resp: 615887
 Ion Ratio Lower Upper
 96 100
 61 194.3 163.0 244.4
 98 59.6 48.5 72.7





#19

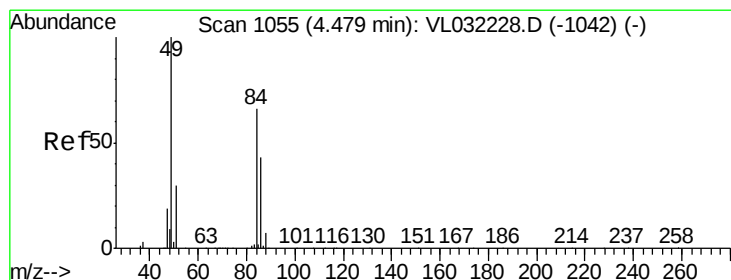
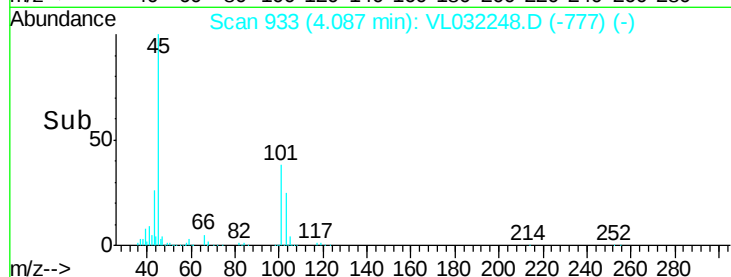
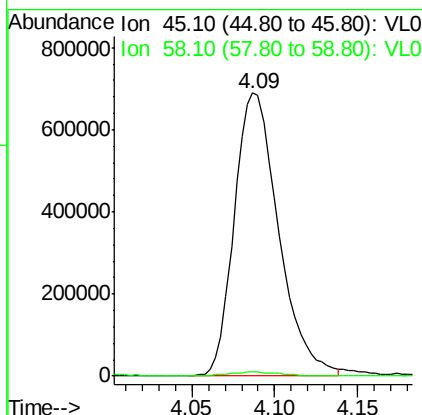
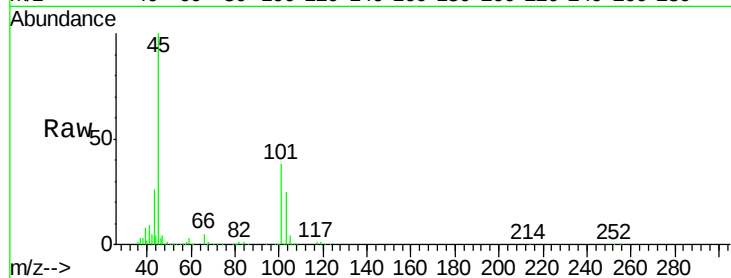
Isopropyl Alcohol
 Concen: 10.089 ppbv
 RT: 4.09 min Scan# 933
 Delta R.T. 0.00 min
 Lab File: VL032248.D
 Acq: 13 Jul 2018 16:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0713ABS01

Tgt Ion: 45 Resp: 1279112
 Ion Ratio Lower Upper
 45 100
 58 2.0 1.3 1.9#

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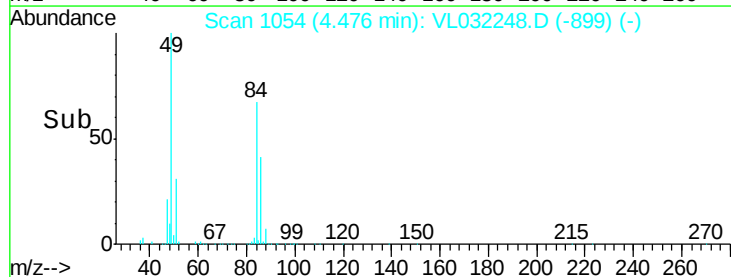
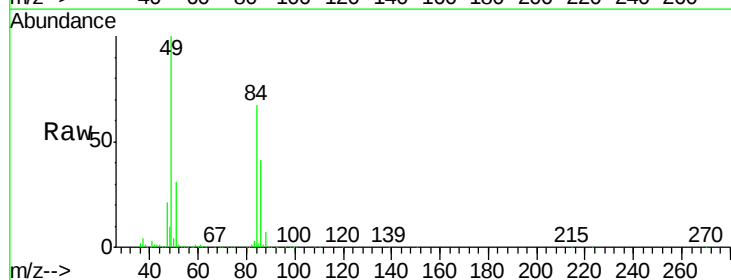
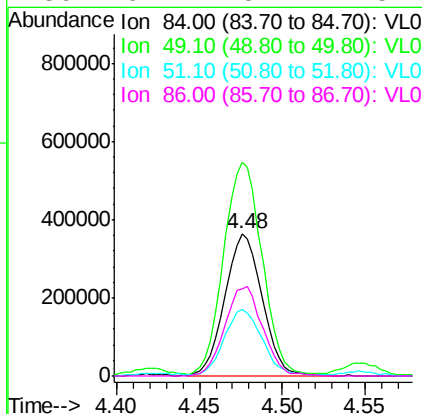
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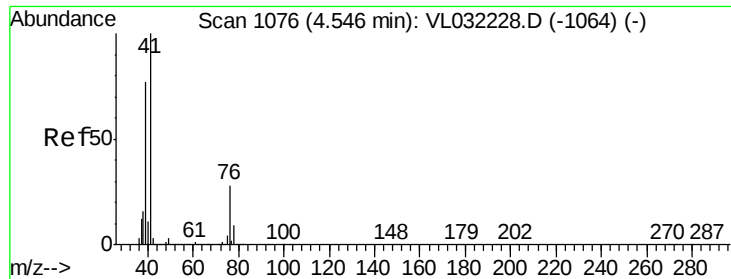


#20

Methylene Chloride
 Concen: 8.613 ppbv
 RT: 4.48 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VL032248.D
 Acq: 13 Jul 2018 16:01

Tgt Ion: 84 Resp: 563540
 Ion Ratio Lower Upper
 84 100
 49 149.0 121.8 182.6
 51 46.1 36.3 54.5
 86 61.4 52.1 78.1





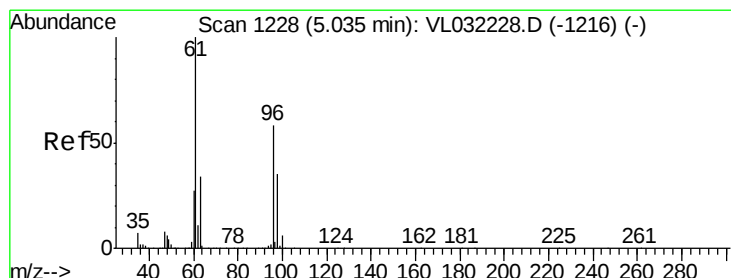
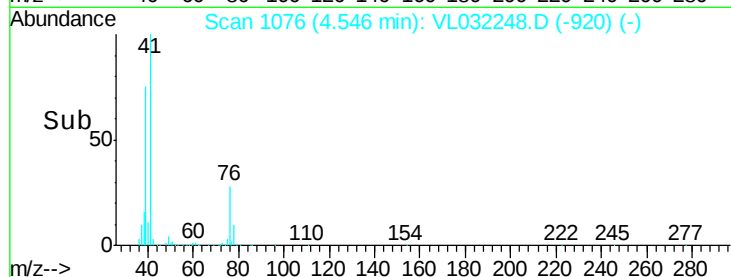
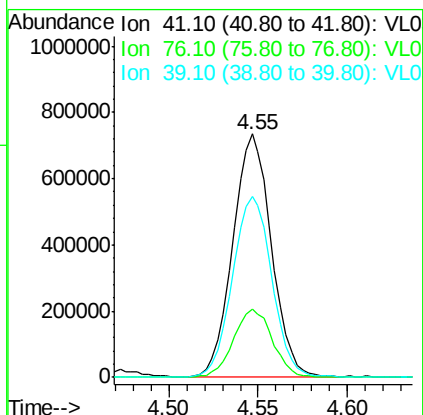
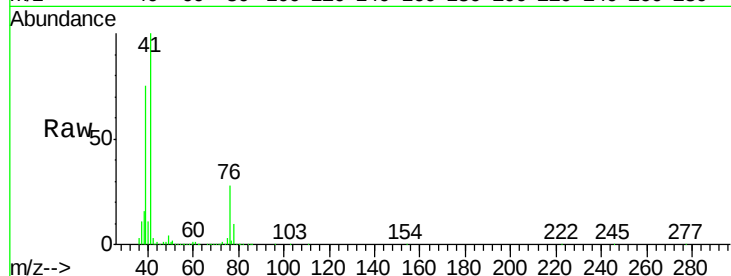
#21
 Allyl Chloride
 Concen: 9.763 ppbv
 RT: 4.55 min Scan# 1076
 Delta R.T. 0.00 min
 Lab File: VL032248.D
 Acq: 13 Jul 2018 16:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0713ABS01

Tgt Ion: 41 Resp: 1103577
 Ion Ratio Lower Upper
 41 100
 76 28.6 22.9 34.3
 39 76.0 62.3 93.5

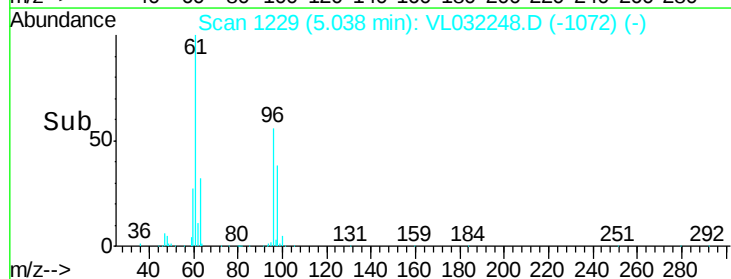
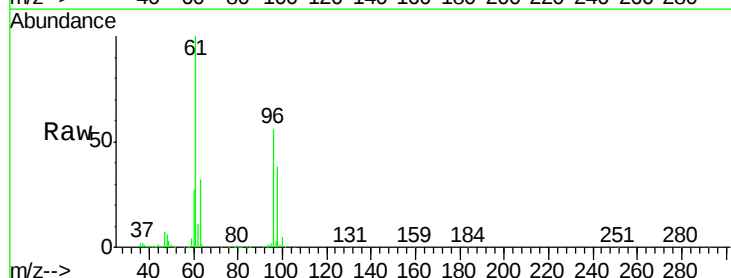
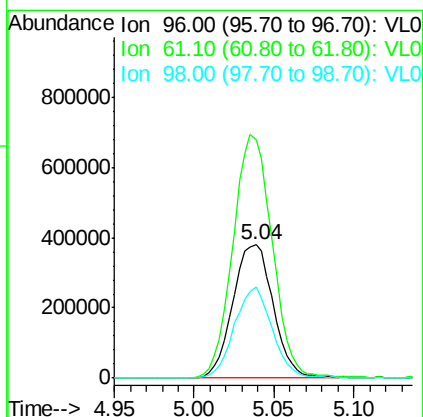
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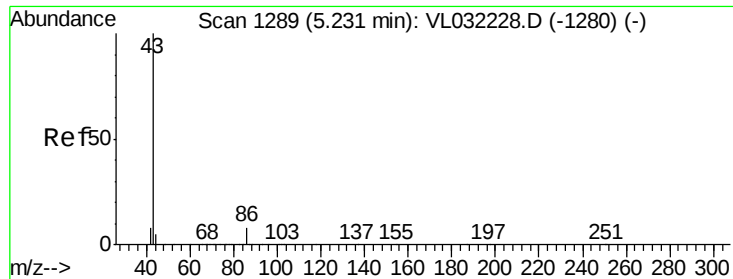
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#22
 trans-1,2-Dichloroethene
 Concen: 10.038 ppbv
 RT: 5.04 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VL032248.D
 Acq: 13 Jul 2018 16:01

Tgt Ion: 96 Resp: 650815
 Ion Ratio Lower Upper
 96 100
 61 179.1 139.1 208.7
 98 68.0 48.4 72.6





#23

Vinyl Acetate

Concen: 9.562 ppbv

RT: 5.23 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VL032248.D

Acq: 13 Jul 2018 16:01

Instrument :

MSVOA_L

ClientSampleId :

VL0713ABS01

Tgt Ion: 43 Resp: 3070492

Ion Ratio Lower Upper

43 100

86 7.5 5.9 8.9

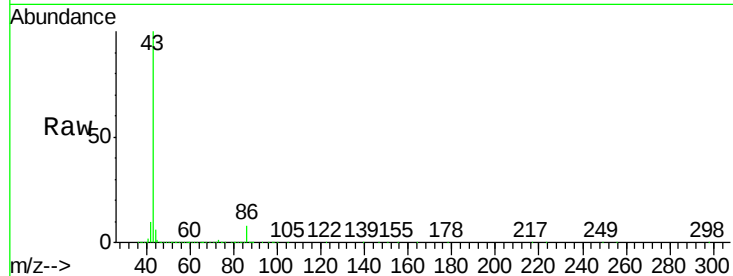
42 9.6 7.0 10.6

44 5.6 4.2 6.2

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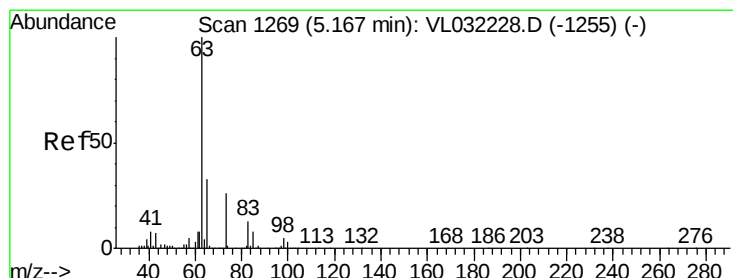
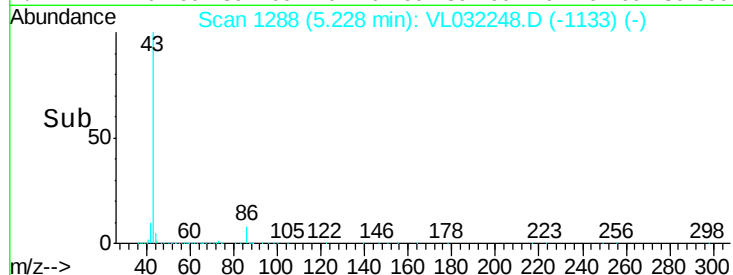
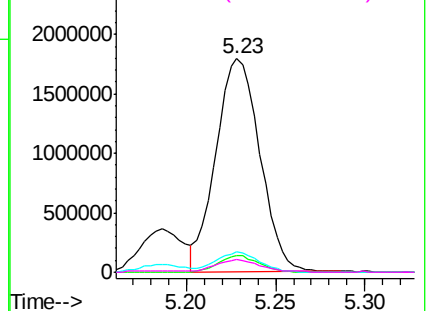


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.211 ppbv

RT: 5.16 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VL032248.D

Acq: 13 Jul 2018 16:01

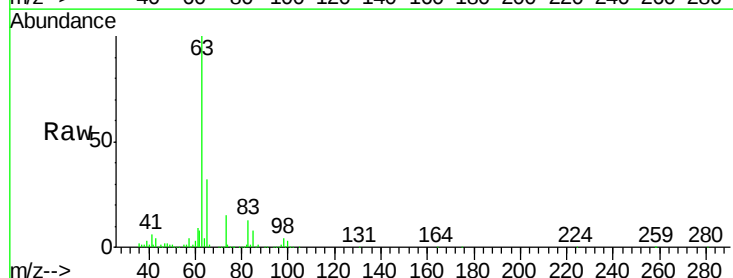
Tgt Ion: 63 Resp: 2076698

Ion Ratio Lower Upper

63 100

98 4.3 2.4 7.1

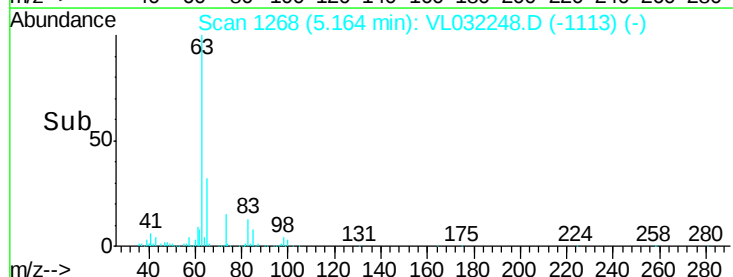
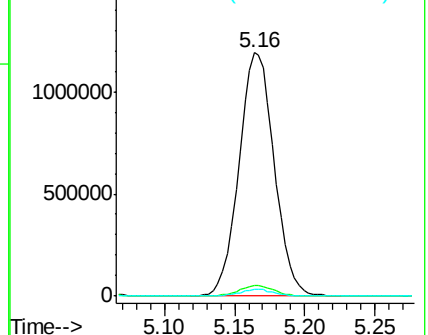
100 2.7 1.5 4.4

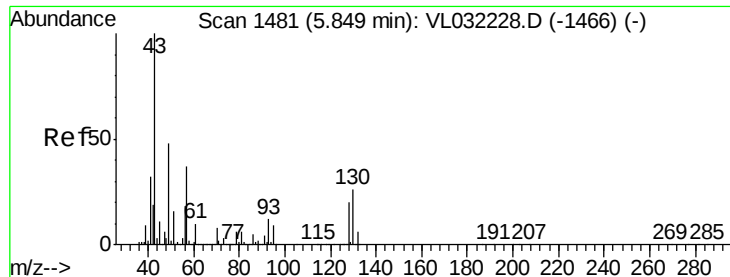


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





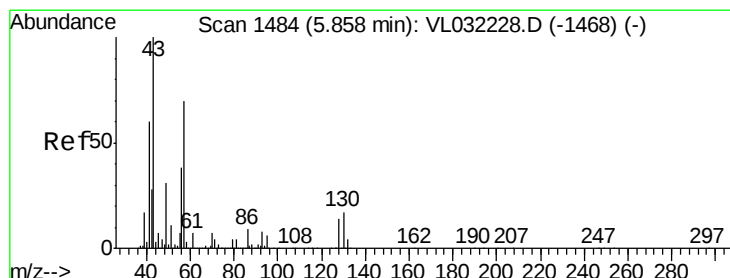
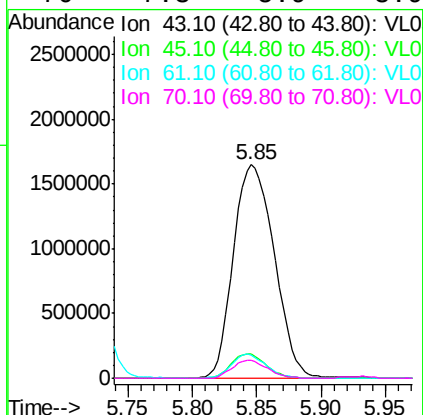
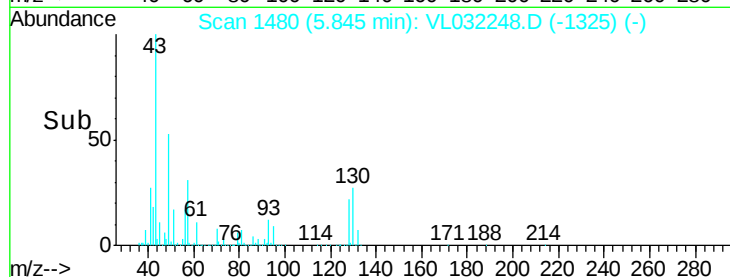
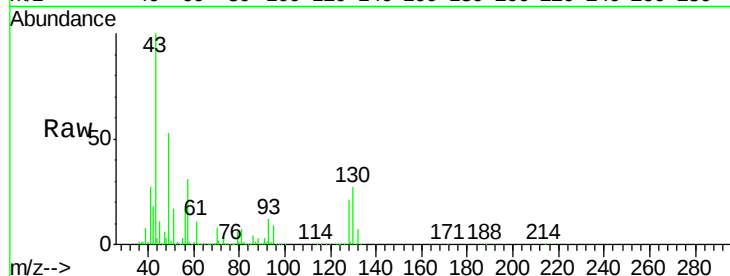
#25
Ethyl Acetate
Concen: 9.522 ppbv
RT: 5.85 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VL032248.D
Acq: 13 Jul 2018 16:01

Instrument :
MSVOA_L
ClientSampleId :
VL0713ABS01

Tgt Ion: 43 Resp: 3638168
Ion Ratio Lower Upper
43 100
45 9.9 8.0 12.0
61 9.5 7.7 11.5
70 7.3 5.9 8.9

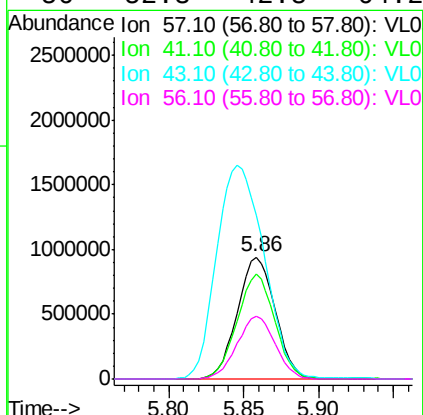
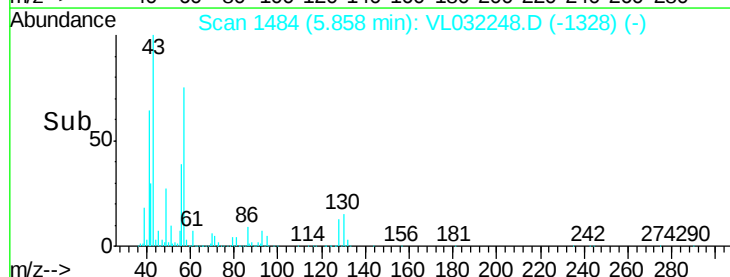
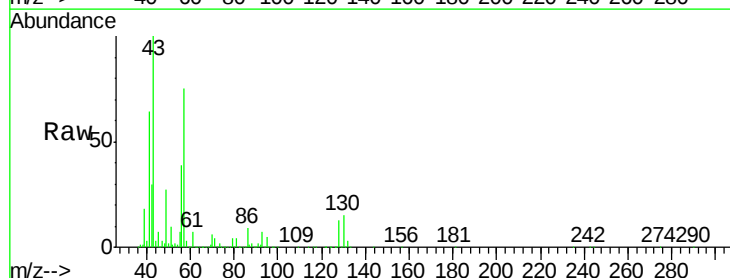
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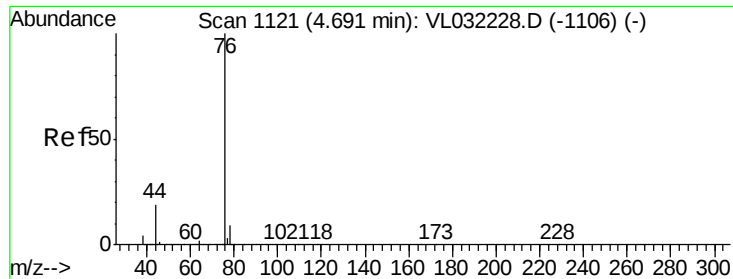
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#26
Hexane
Concen: 9.501 ppbv
RT: 5.86 min Scan# 1484
Delta R.T. 0.00 min
Lab File: VL032248.D
Acq: 13 Jul 2018 16:01

Tgt Ion: 57 Resp: 1655976
Ion Ratio Lower Upper
57 100
41 86.0 68.7 103.1
43 220.4 176.2 264.2
56 52.3 42.8 64.2





#27

Carbon Disulfide

Concen: 10.258 ppbv

RT: 4.69 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VL032248.D

Acq: 13 Jul 2018 16:01

Instrument :

MSVOA_L

ClientSampled :

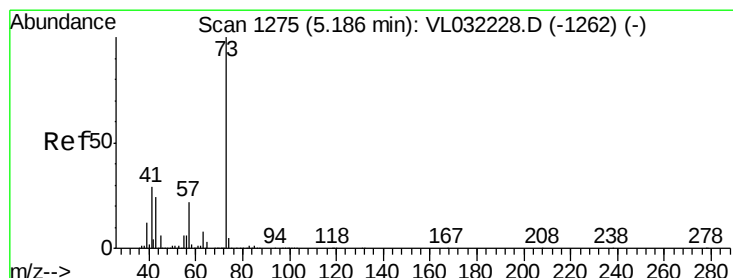
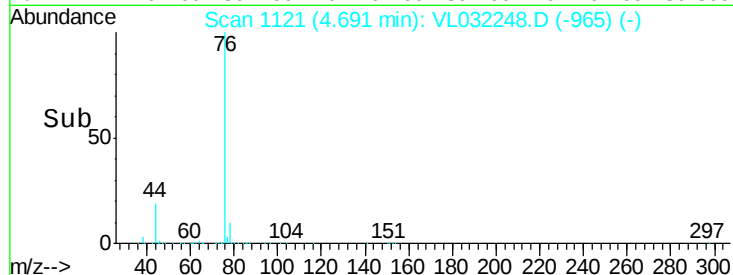
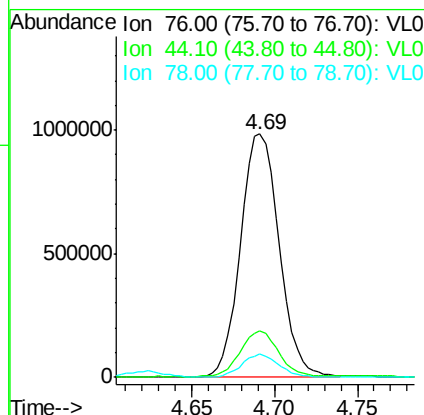
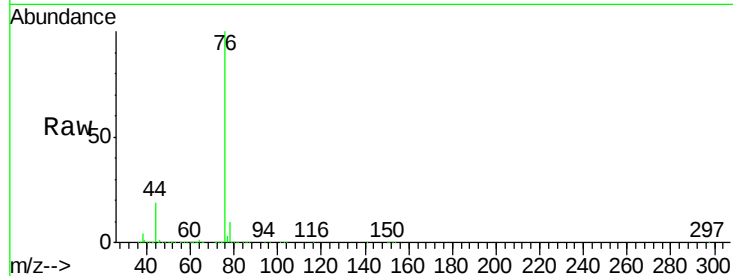
VL0713ABS01

Tgt Ion: 76 Resp: 1599694

Ion	Ratio	Lower	Upper
76	100		
44	18.8	15.1	22.7
78	9.3	7.4	11.0

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#28

Methyl tert-Butyl Ether

Concen: 9.516 ppbv

RT: 5.19 min Scan# 1275

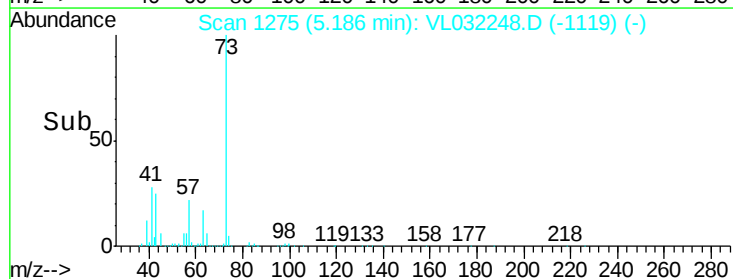
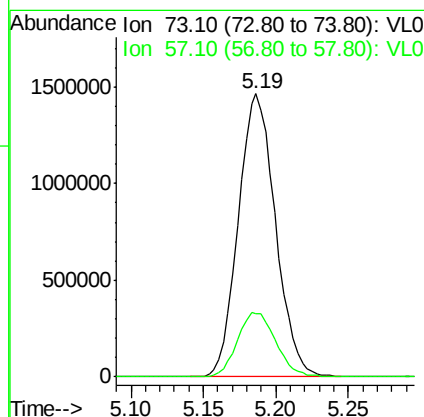
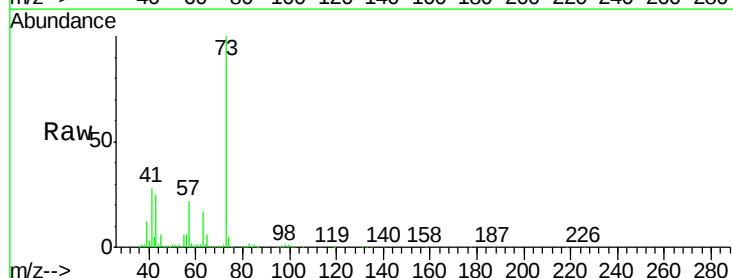
Delta R.T. 0.00 min

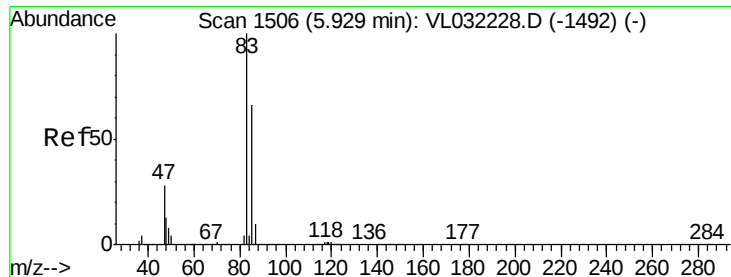
Lab File: VL032248.D

Acq: 13 Jul 2018 16:01

Tgt Ion: 73 Resp: 2610560

Ion	Ratio	Lower	Upper
73	100		
57	23.7	18.6	27.8





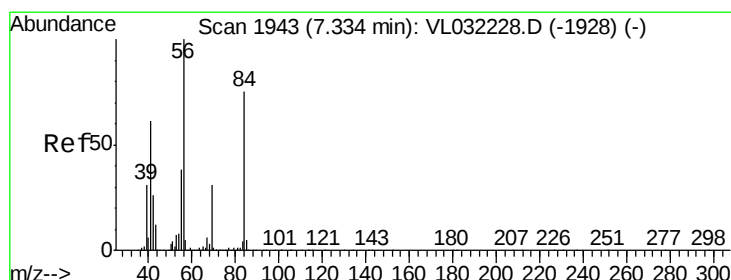
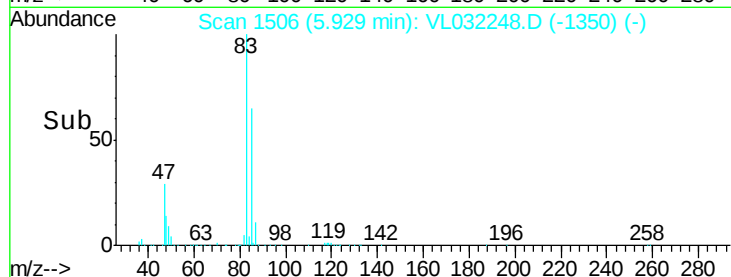
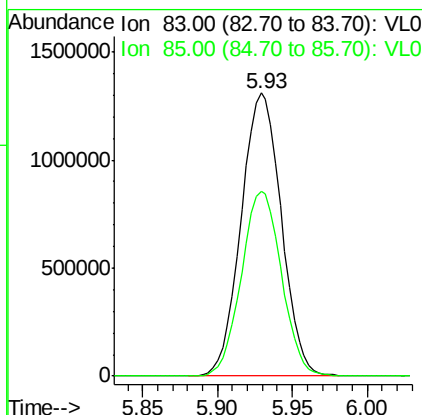
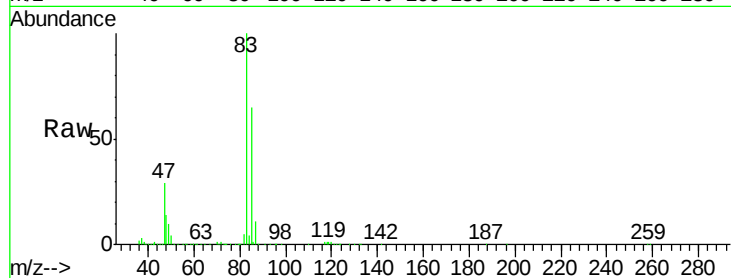
#29
Chloroform
Concen: 9.096 ppbv
RT: 5.93 min Scan# 1506
Delta R.T. 0.00 min
Lab File: VL032248.D
Acq: 13 Jul 2018 16:01

Instrument :
MSVOA_L
ClientSampleId :
VL0713ABS01

Tgt Ion: 83 Resp: 2447481
Ion Ratio Lower Upper
83 100
85 65.2 52.7 79.1

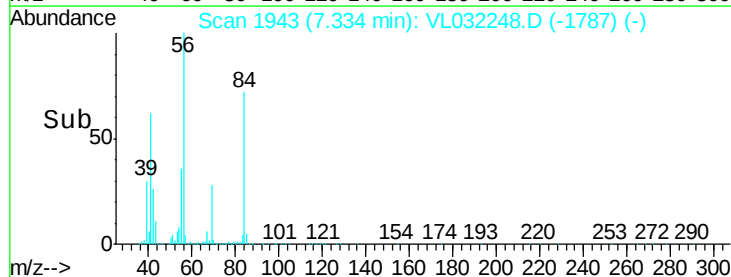
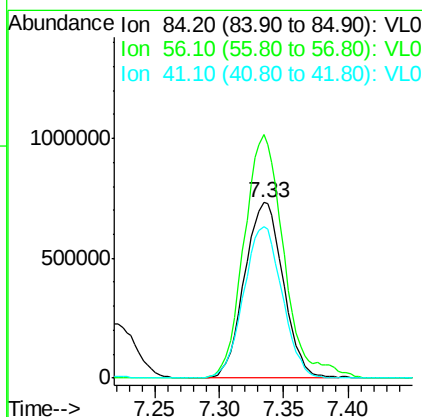
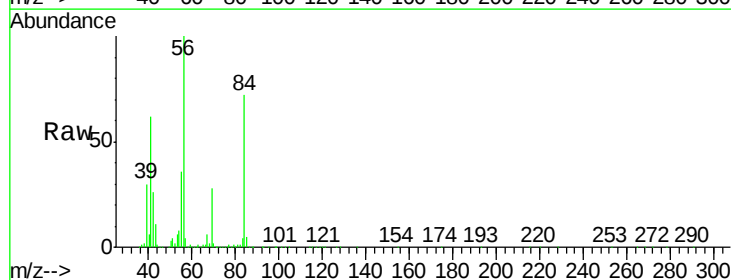
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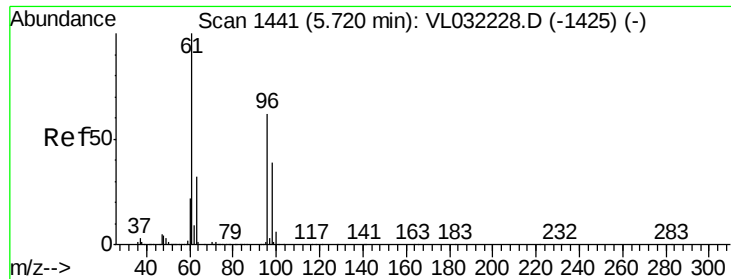
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#30
Cyclohexane
Concen: 9.960 ppbv
RT: 7.33 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VL032248.D
Acq: 13 Jul 2018 16:01

Tgt Ion: 84 Resp: 1531888
Ion Ratio Lower Upper
84 100
56 143.1 112.6 168.8
41 85.9 67.0 100.6





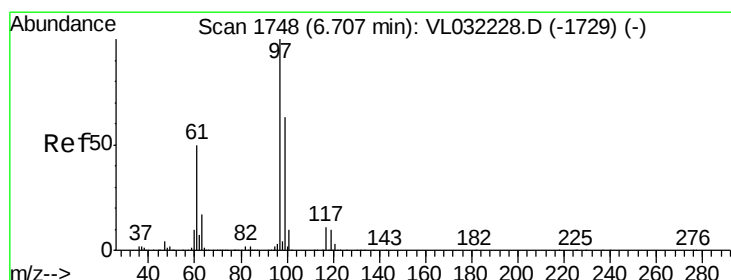
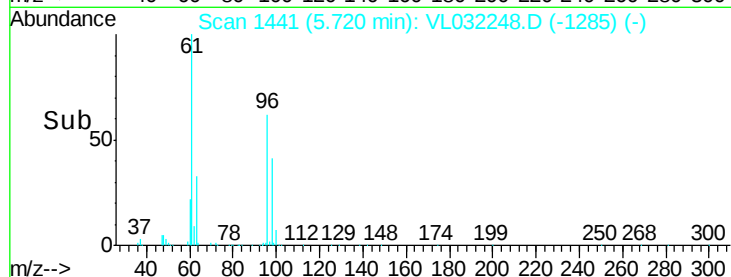
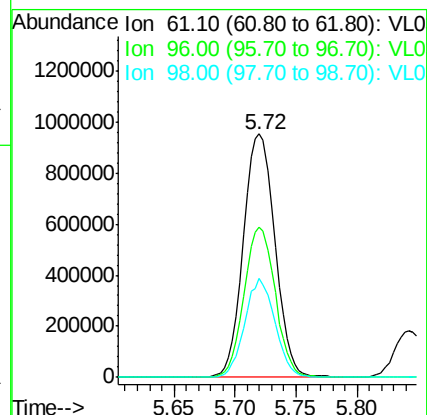
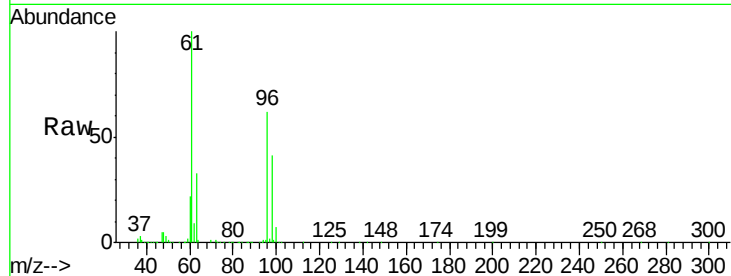
#31
 cis-1,2-Dichloroethene
 Concen: 9.801 ppbv
 RT: 5.72 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VL032248.D
 Acq: 13 Jul 2018 16:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0713ABS01

Tgt Ion	Ratio	Lower	Upper
61	100		
96	61.6	49.8	74.8
98	40.8	31.4	47.2

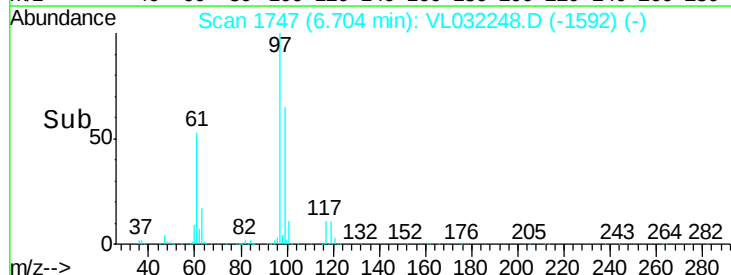
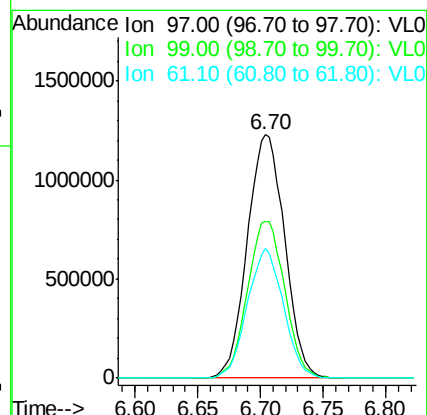
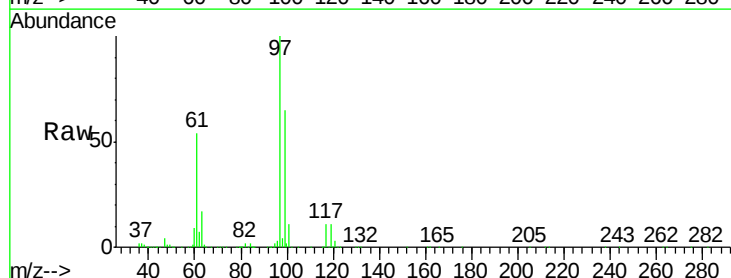
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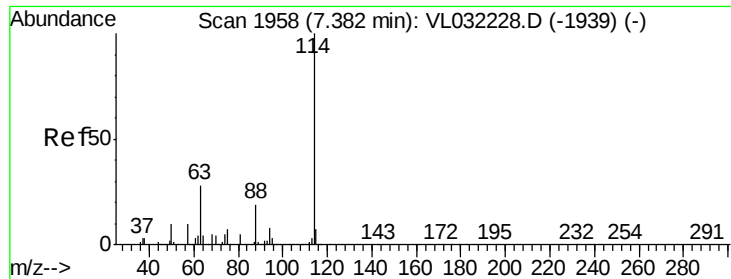
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#32
 1,1,1-Trichloroethane
 Concen: 9.765 ppbv
 RT: 6.70 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VL032248.D
 Acq: 13 Jul 2018 16:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.2	76.8
61	51.4	41.3	61.9





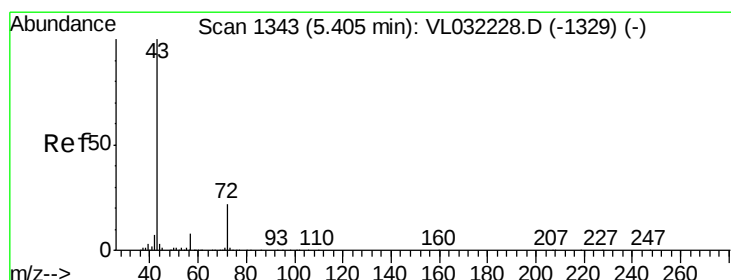
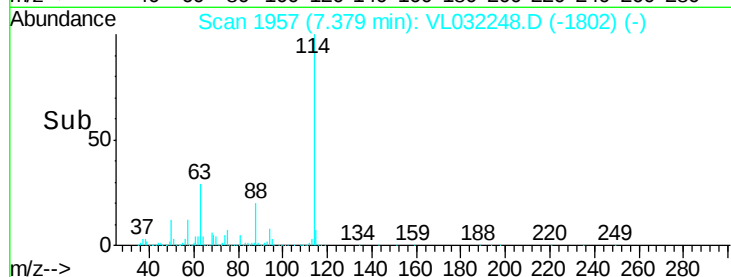
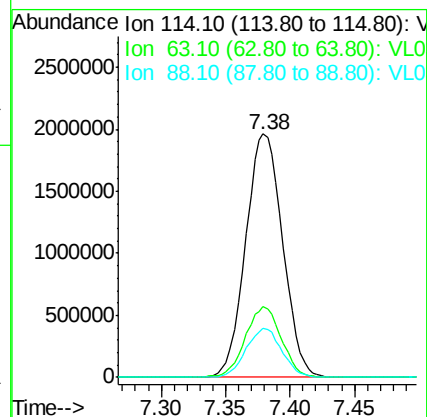
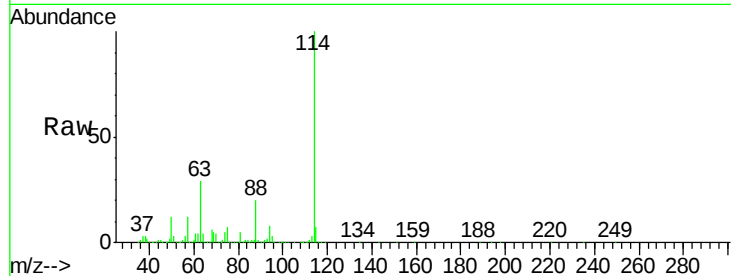
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.38 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VL032248.D
 Acq: 13 Jul 2018 16:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0713ABS01

Tgt Ion	Ratio	Lower	Upper
114	100		
63	28.4	22.5	33.7
88	19.3	15.4	23.0

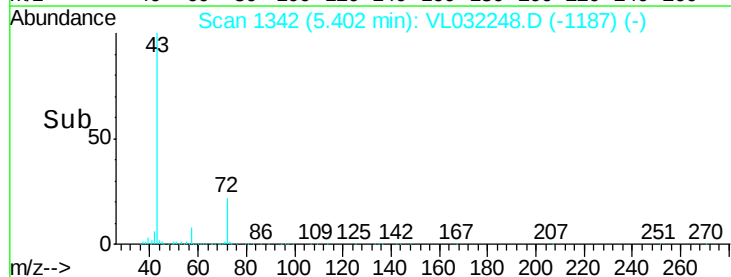
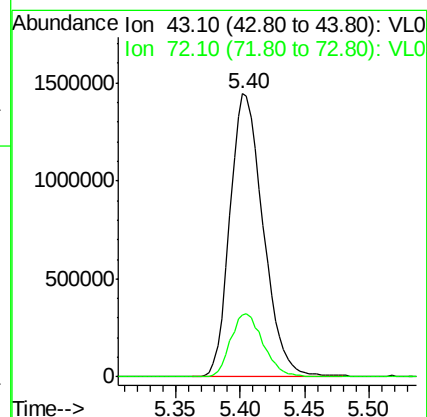
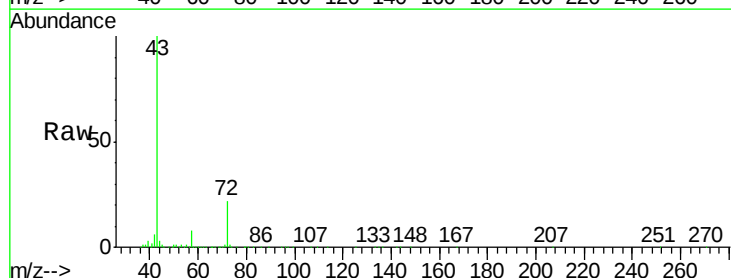
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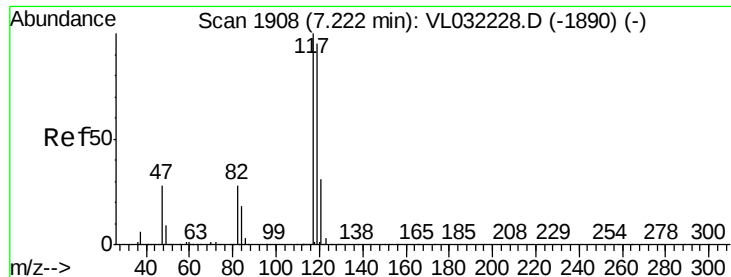
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#34
 2-Butanone
 Concen: 9.677 ppbv
 RT: 5.40 min Scan# 1342
 Delta R.T. -0.00 min
 Lab File: VL032248.D
 Acq: 13 Jul 2018 16:01

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.1	18.1	27.1





#35

Carbon Tetrachloride

Concen: 9.837 ppbv

RT: 7.22 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VL032248.D

Acq: 13 Jul 2018 16:01

Instrument :

MSVOA_L

ClientSampleId :

VL0713ABS01

Tgt Ion: 117 Resp: 2609509

Ion Ratio Lower Upper

117 100

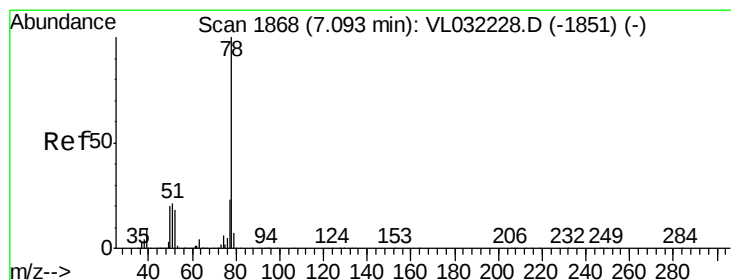
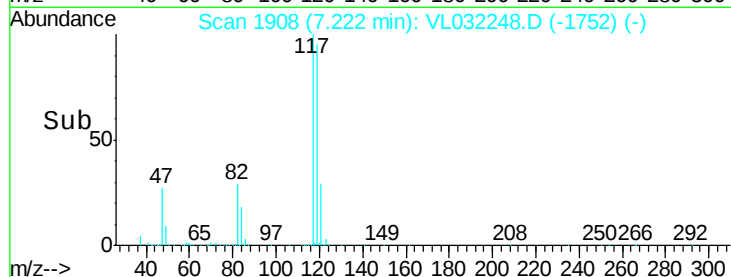
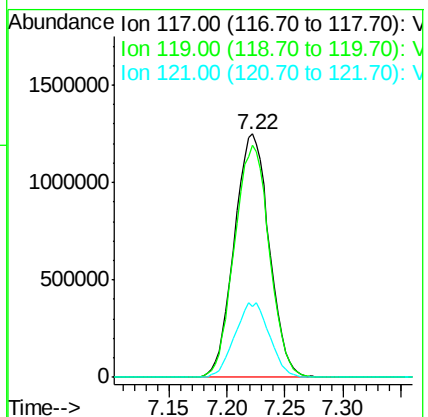
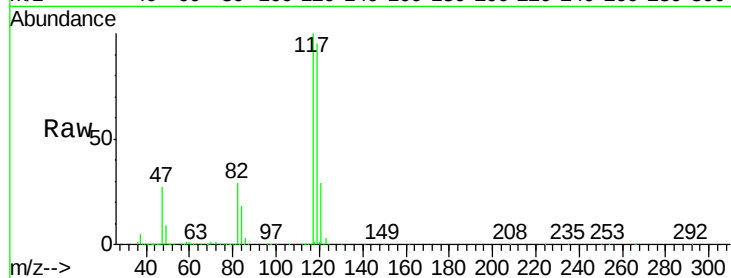
119 95.2 75.7 113.5

121 29.2 24.6 37.0

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#36

Benzene

Concen: 9.625 ppbv

RT: 7.09 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VL032248.D

Acq: 13 Jul 2018 16:01

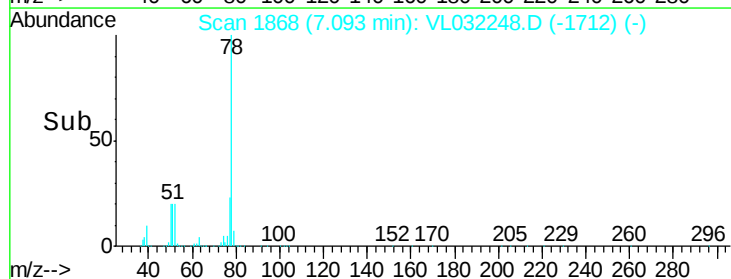
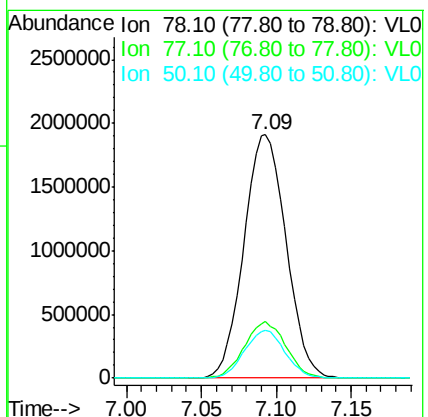
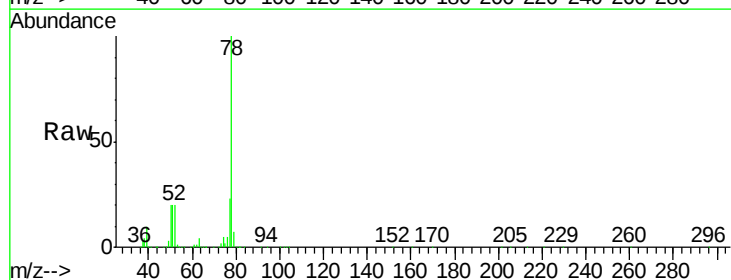
Tgt Ion: 78 Resp: 3749435

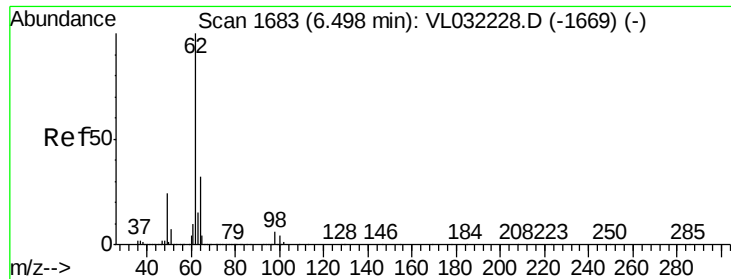
Ion Ratio Lower Upper

78 100

77 23.2 18.0 27.0

50 19.6 15.8 23.8





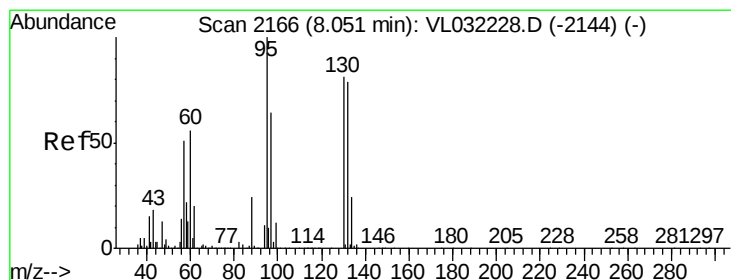
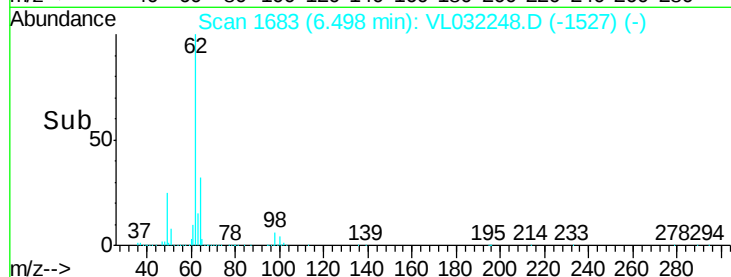
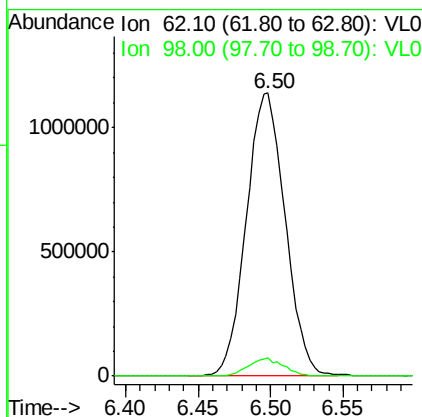
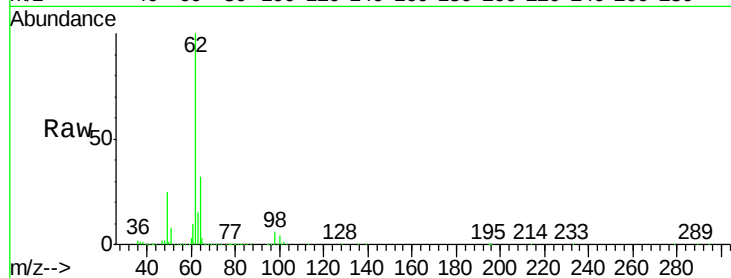
#37
 1,2-Dichloroethane
 Concen: 9.990 ppbv
 RT: 6.50 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: VL032248.D
 Acq: 13 Jul 2018 16:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0713ABS01

Tgt Ion: 62 Resp: 2130329
 Ion Ratio Lower Upper
 62 100
 98 5.9 4.6 7.0

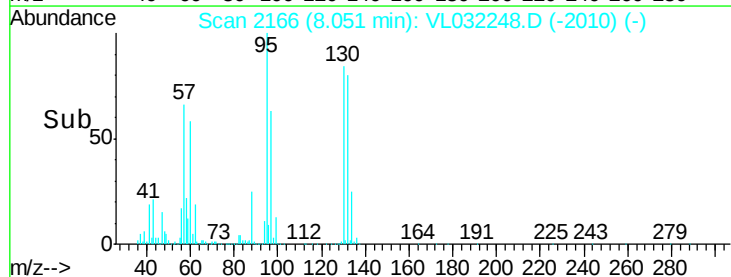
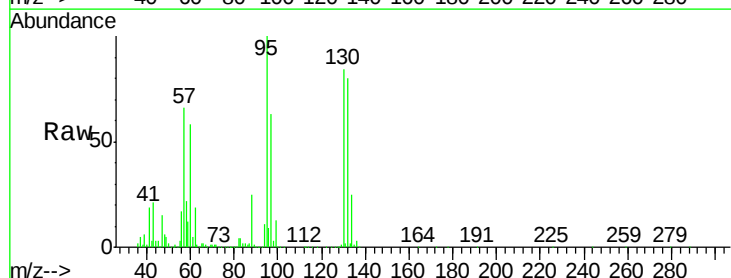
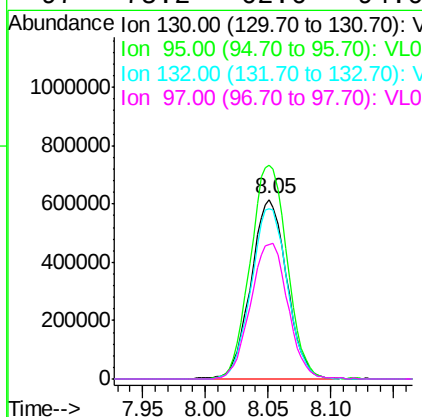
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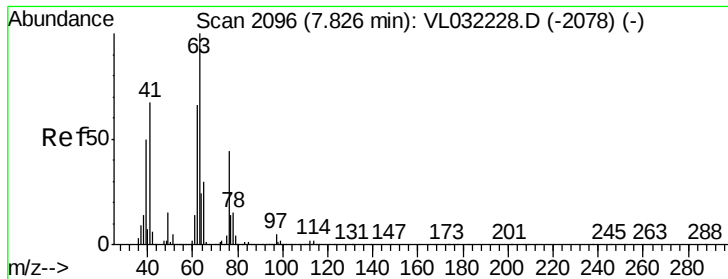
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#38
 Trichloroethene
 Concen: 9.126 ppbv
 RT: 8.05 min Scan# 2166
 Delta R.T. 0.00 min
 Lab File: VL032248.D
 Acq: 13 Jul 2018 16:01

Tgt Ion: 130 Resp: 1219312
 Ion Ratio Lower Upper
 130 100
 95 119.5 98.3 147.5
 132 95.1 78.1 117.1
 97 75.2 62.6 94.0





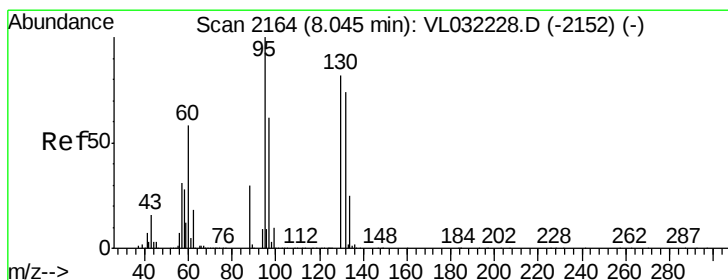
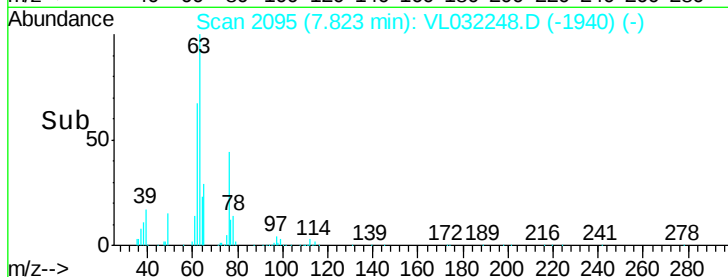
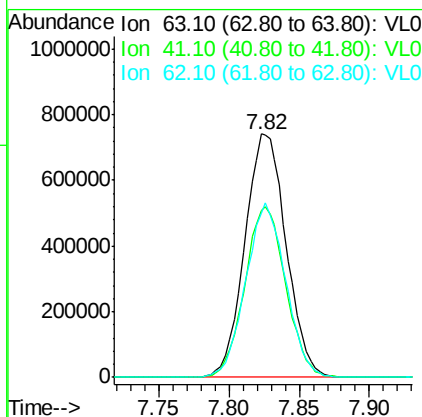
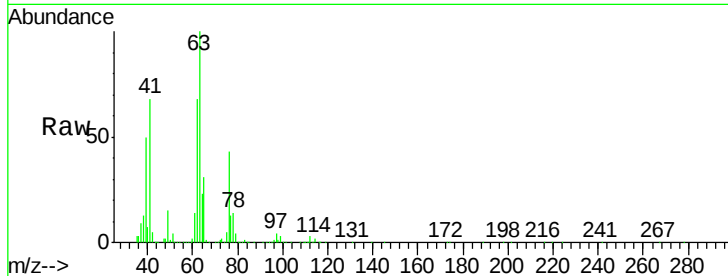
#39
 1,2-Dichloropropane
 Concen: 9.813 ppbv
 RT: 7.82 min Scan# 2095
 Delta R.T. -0.00 min
 Lab File: VL032248.D
 Acq: 13 Jul 2018 16:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0713ABS01

Tgt Ion	Ratio	Lower	Upper
63	100		
41	68.4	53.8	80.6
62	67.5	53.1	79.7

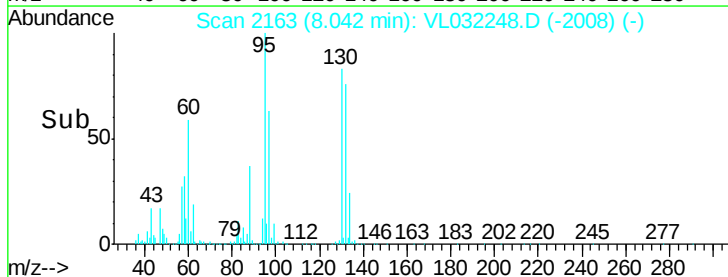
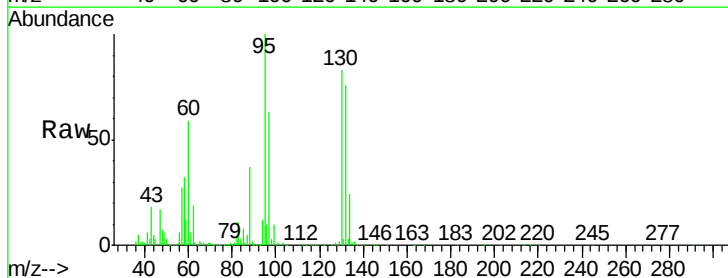
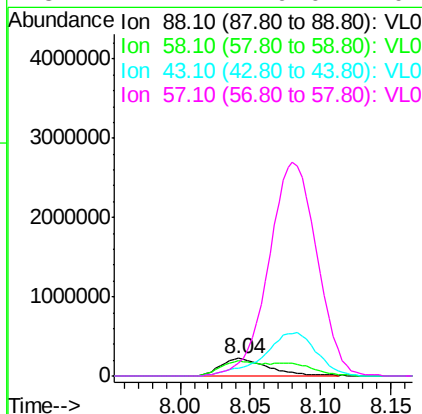
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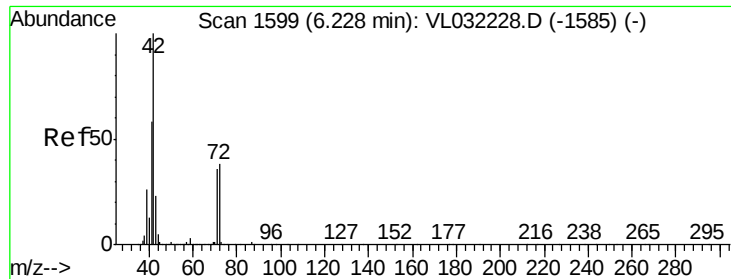
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#40
 1,4-Dioxane
 Concen: 9.895 ppbv
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VL032248.D
 Acq: 13 Jul 2018 16:01

Tgt Ion	Ratio	Lower	Upper
88	100		
58	139.4	117.4	176.2
43	272.3	0.0	0.0#
57	1224.1	0.0	0.0#





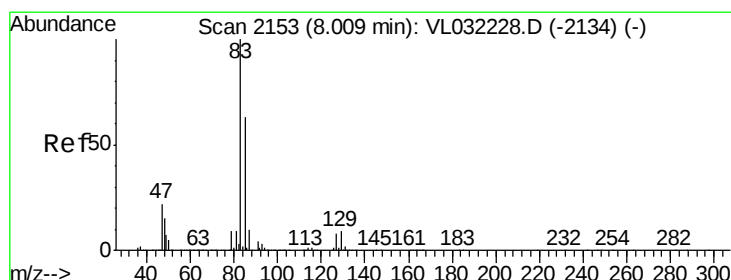
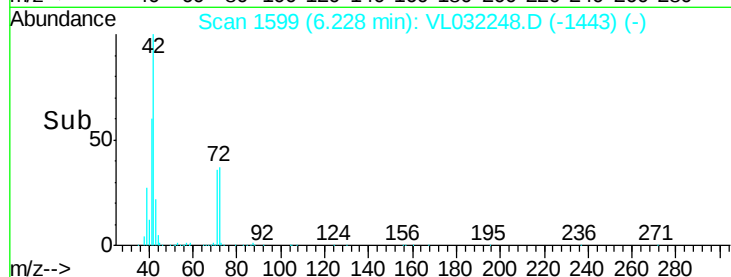
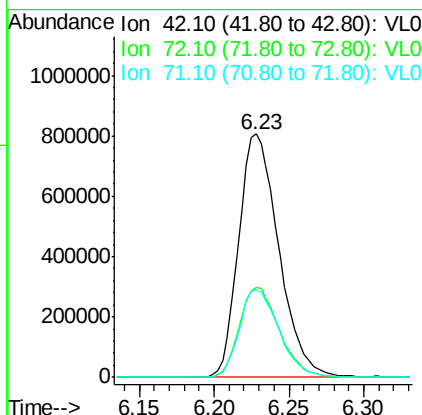
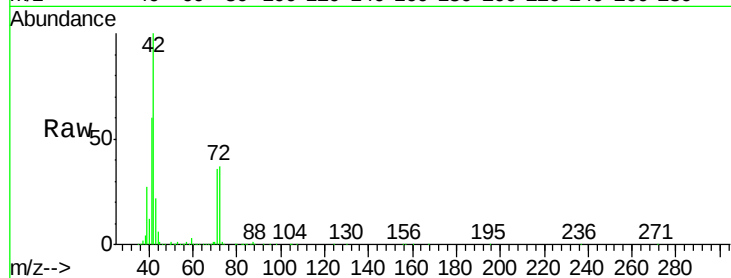
#41
Tetrahydrofuran
Concen: 10.055 ppbv
RT: 6.23 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VL032248.D
Acq: 13 Jul 2018 16:01

Instrument :
MSVOA_L
ClientSampleId :
VL0713ABS01

Tgt Ion: 42 Resp: 1502795
Ion Ratio Lower Upper
42 100
72 37.0 30.6 45.8
71 36.1 29.7 44.5

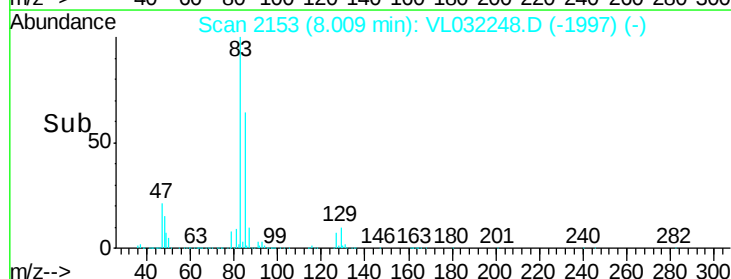
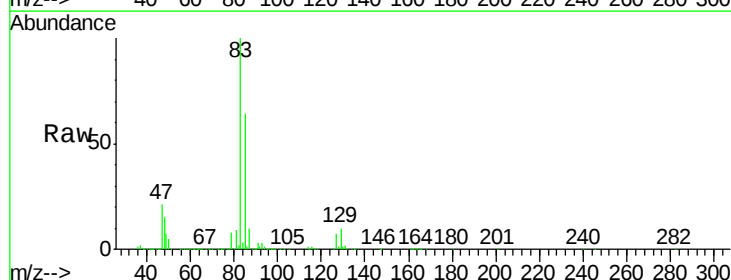
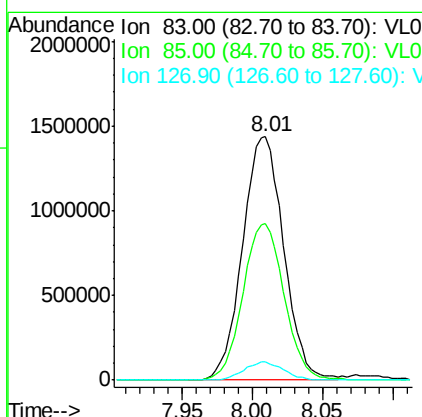
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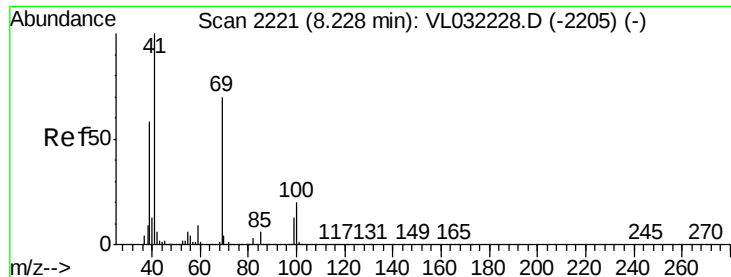
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#42
Bromodichloromethane
Concen: 9.667 ppbv
RT: 8.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VL032248.D
Acq: 13 Jul 2018 16:01

Tgt Ion: 83 Resp: 2935608
Ion Ratio Lower Upper
83 100
85 64.1 50.6 76.0
127 7.4 6.1 9.1





#43

Methyl Methacrylate

Concen: 10.248 ppbv

RT: 8.22 min Scan# 2220

Delta R.T. -0.00 min

Lab File: VL032248.D

Acq: 13 Jul 2018 16:01

Instrument :

MSVOA_L

ClientSampleId :

VL0713ABS01

Tgt Ion: 69 Resp: 1542588

Ion Ratio Lower Upper

69 100

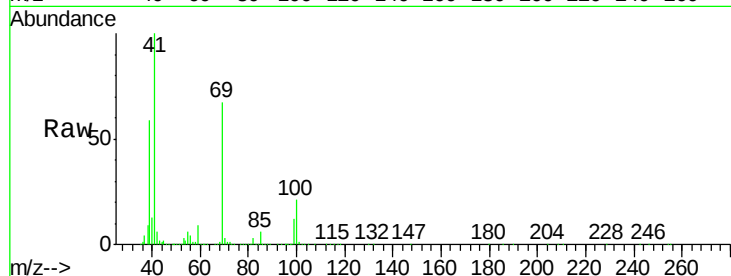
41 148.1 116.3 174.5

100 29.2 23.8 35.8

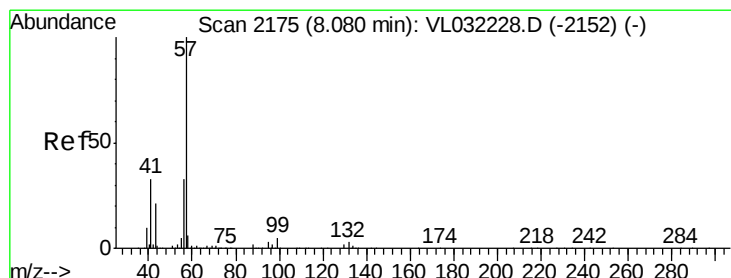
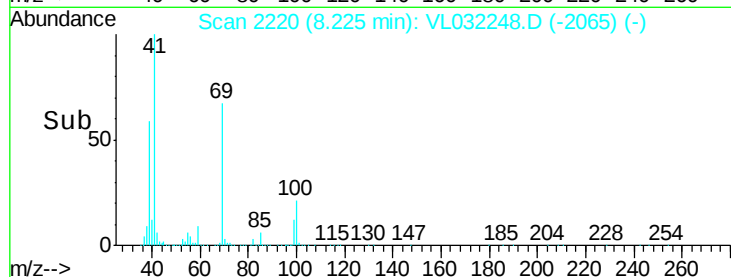
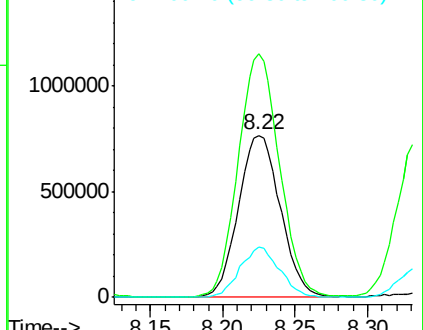
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Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 9.585 ppbv

RT: 8.08 min Scan# 2175

Delta R.T. 0.00 min

Lab File: VL032248.D

Acq: 13 Jul 2018 16:01

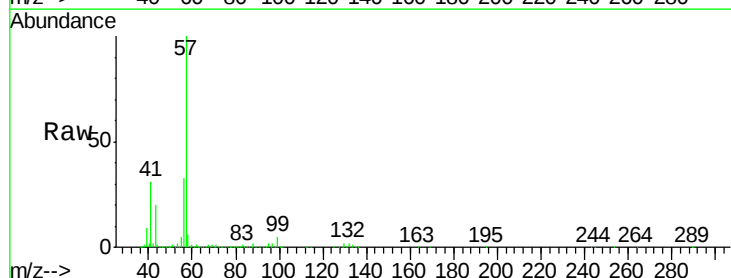
Tgt Ion: 57 Resp: 6421450

Ion Ratio Lower Upper

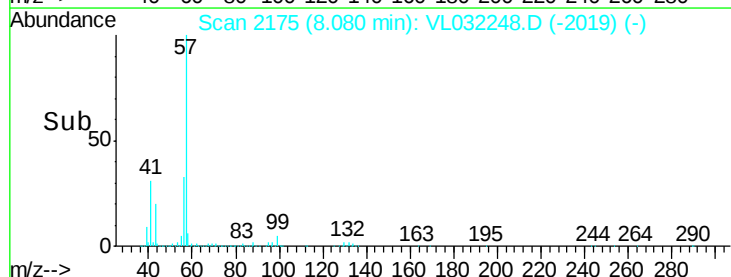
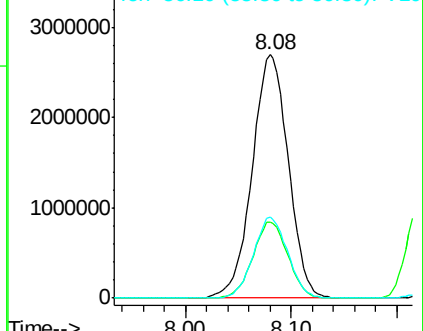
57 100

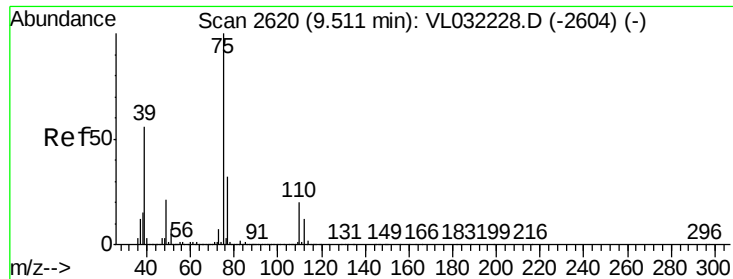
41 30.4 24.7 37.1

56 31.7 25.4 38.0



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 12.607 ppbv

RT: 9.51 min Scan# 2620

Delta R.T. 0.00 min

Lab File: VL032248.D

Acq: 13 Jul 2018 16:01

Instrument :

MSVOA_L

ClientSampleId :

VL0713ABS01

Tgt Ion: 75 Resp: 2260084

Ion Ratio Lower Upper

75 100

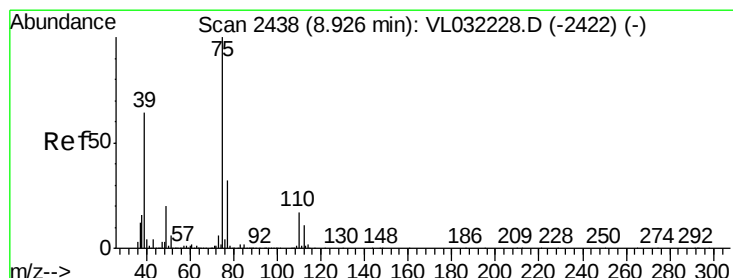
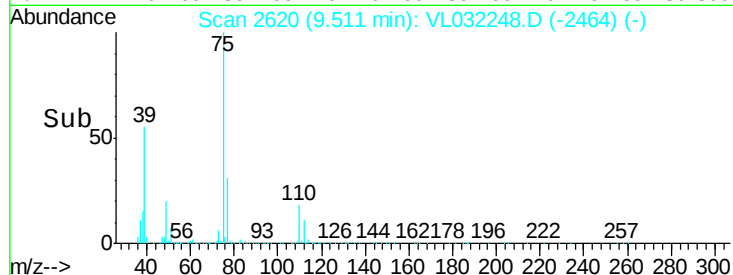
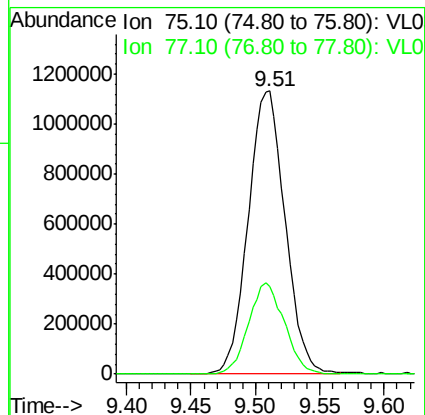
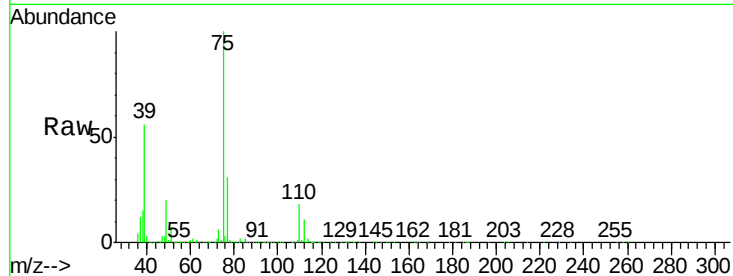
77 30.8 25.5 38.3

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#46

cis-1,3-Dichloropropene

Concen: 9.005 ppbv

RT: 8.93 min Scan# 2439

Delta R.T. 0.00 min

Lab File: VL032248.D

Acq: 13 Jul 2018 16:01

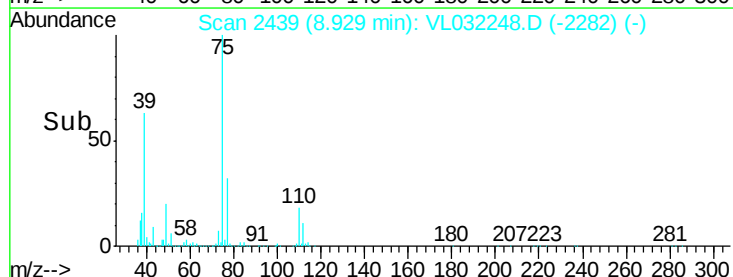
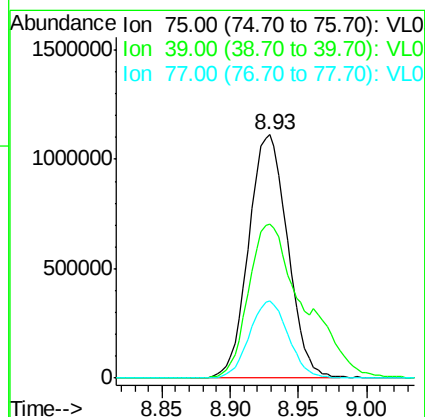
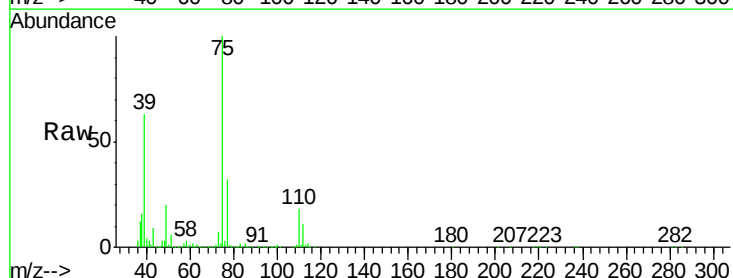
Tgt Ion: 75 Resp: 2201831

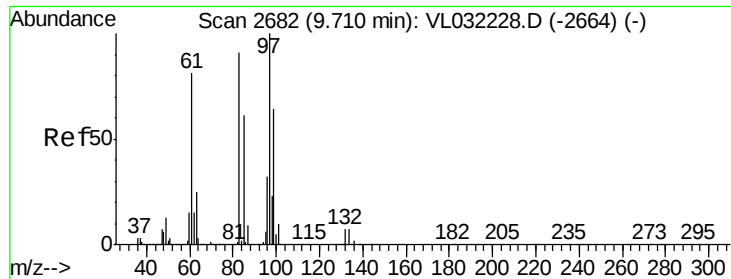
Ion Ratio Lower Upper

75 100

39 63.3 50.9 76.3

77 31.6 25.3 37.9





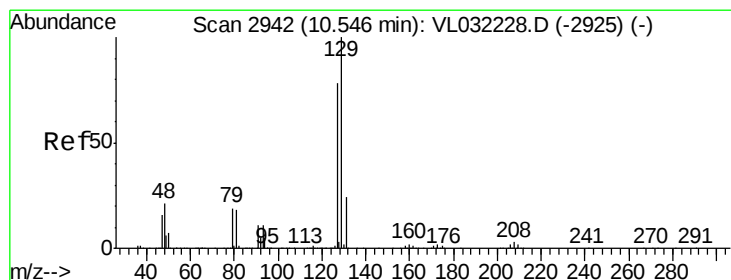
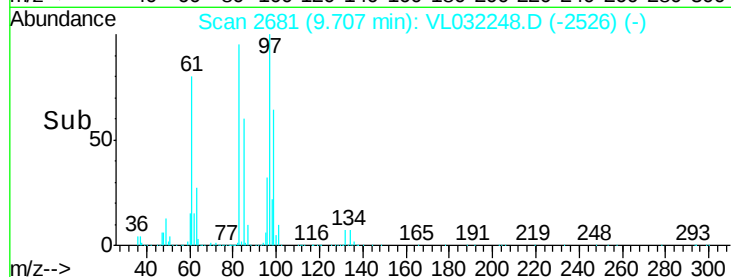
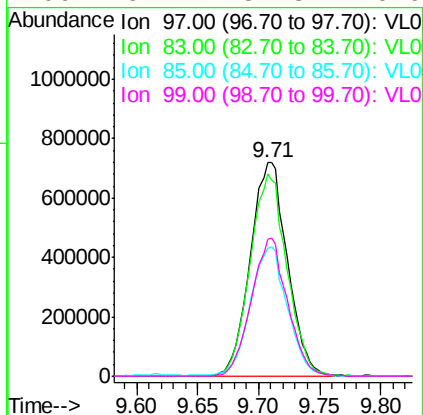
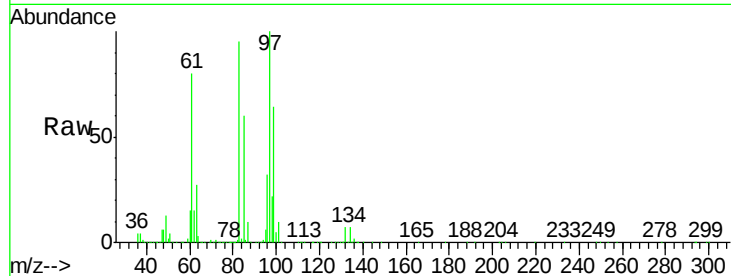
#47
 1,1,2-Trichloroethane
 Concen: 8.764 ppbv
 RT: 9.71 min Scan# 2681
 Delta R.T. -0.00 min
 Lab File: VL032248.D
 Acq: 13 Jul 2018 16:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0713ABS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	94.9	72.9	109.3
85	59.6	49.3	73.9
99	64.2	51.3	76.9

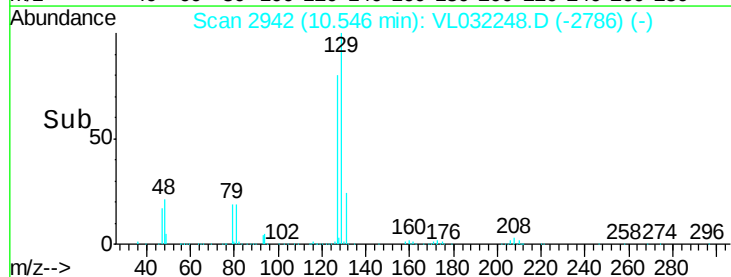
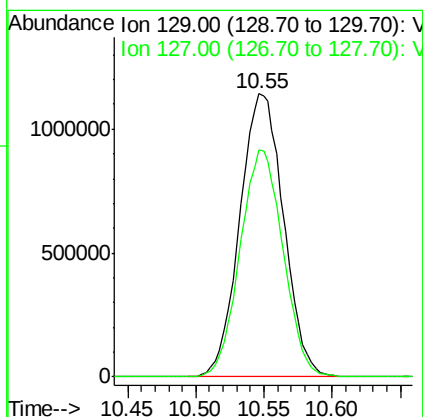
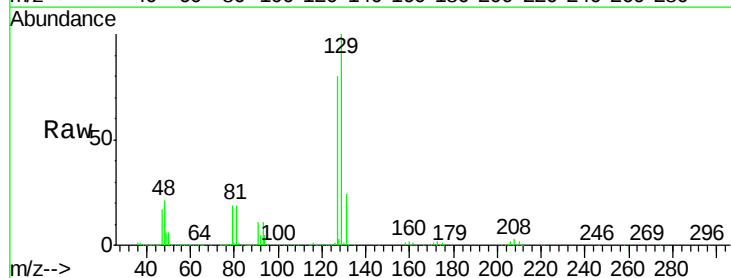
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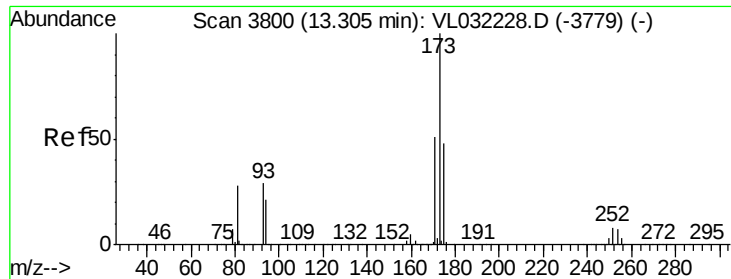
apatel
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#48
 Dibromochloromethane
 Concen: 9.871 ppbv
 RT: 10.55 min Scan# 2942
 Delta R.T. 0.00 min
 Lab File: VL032248.D
 Acq: 13 Jul 2018 16:01

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.3	39.3	117.9





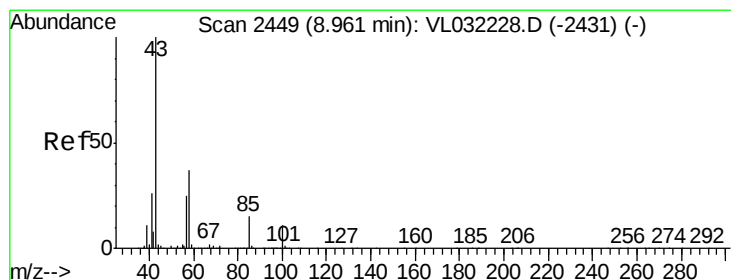
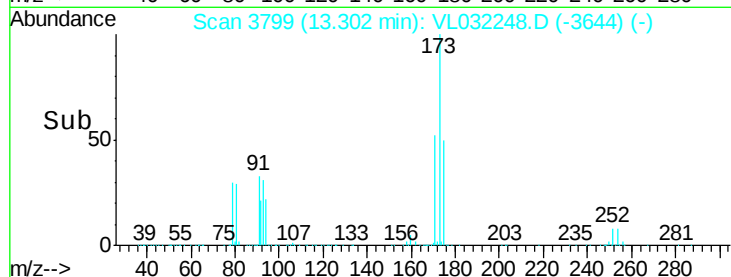
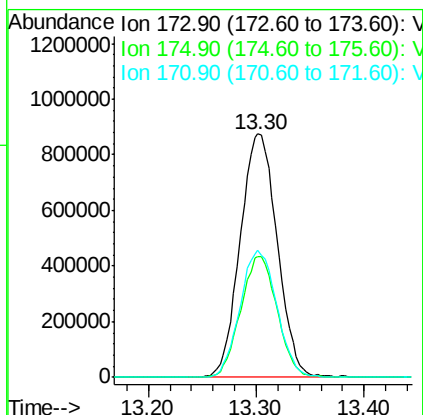
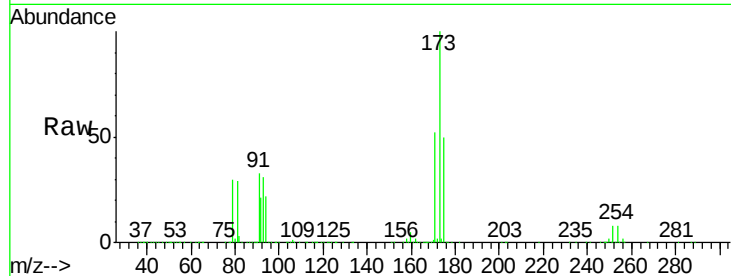
#49
Bromoform
Concen: 10.112 ppbv
RT: 13.30 min Scan# 3799
Delta R.T. -0.00 min
Lab File: VL032248.D
Acq: 13 Jul 2018 16:01

Instrument :
MSVOA_L
ClientSampleId :
VL0713ABS01

Tgt Ion:173 Resp: 2085237
Ion Ratio Lower Upper
173 100
175 49.1 39.4 59.2
171 52.0 41.8 62.6

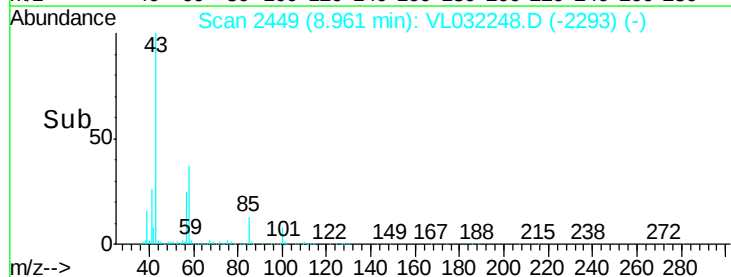
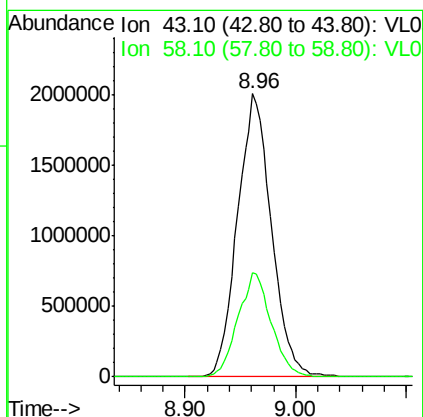
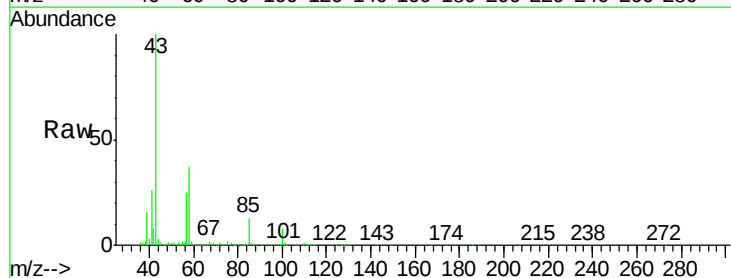
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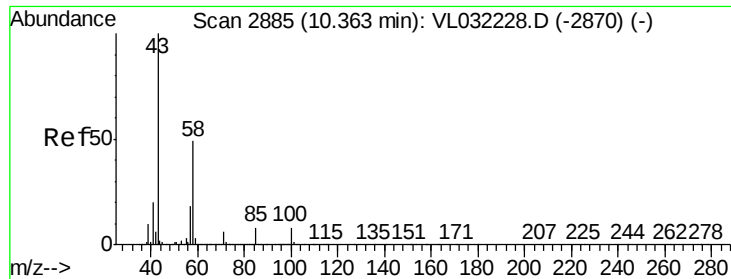
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#50
4-Methyl-2-Pentanone
Concen: 9.229 ppbv
RT: 8.96 min Scan# 2449
Delta R.T. 0.00 min
Lab File: VL032248.D
Acq: 13 Jul 2018 16:01

Tgt Ion: 43 Resp: 4263770
Ion Ratio Lower Upper
43 100
58 36.2 29.5 44.3





#51

2-Hexanone

Concen: 10.040 ppbv

RT: 10.37 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VL032248.D

Acq: 13 Jul 2018 16:01

Instrument :

MSVOA_L

ClientSampleId :

VL0713ABS01

Tgt Ion: 43 Resp: 3873800

Ion Ratio Lower Upper

43 100

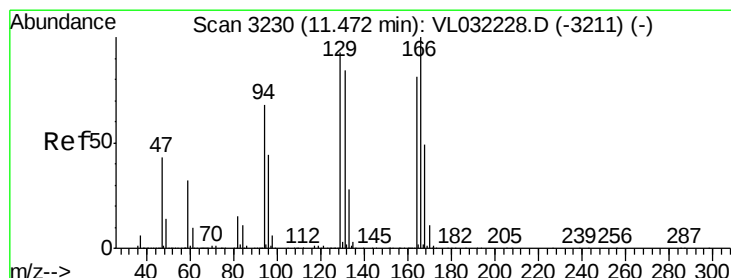
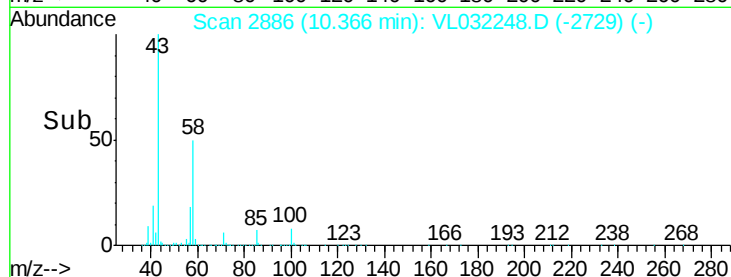
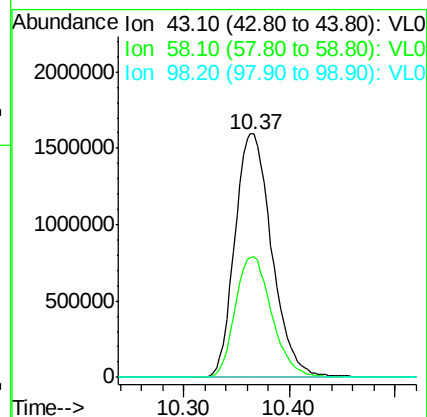
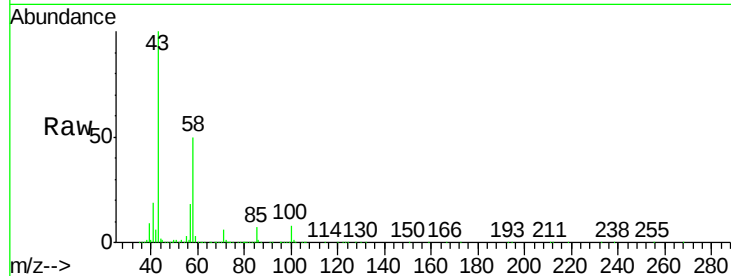
58 49.3 39.9 59.9

98 0.4 0.2 0.4

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#52

Tetrachloroethene

Concen: 8.513 ppbv

RT: 11.47 min Scan# 3229

Delta R.T. -0.00 min

Lab File: VL032248.D

Acq: 13 Jul 2018 16:01

Tgt Ion: 164 Resp: 1225239

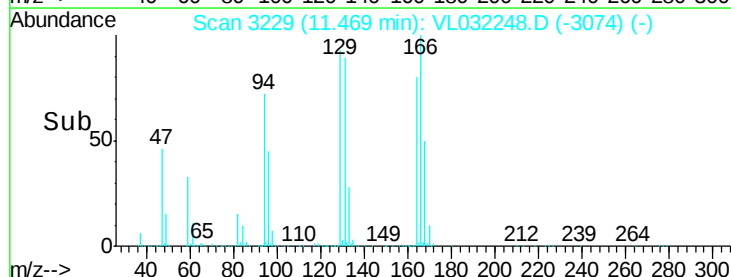
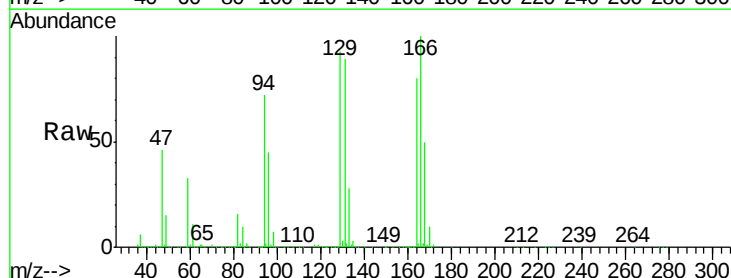
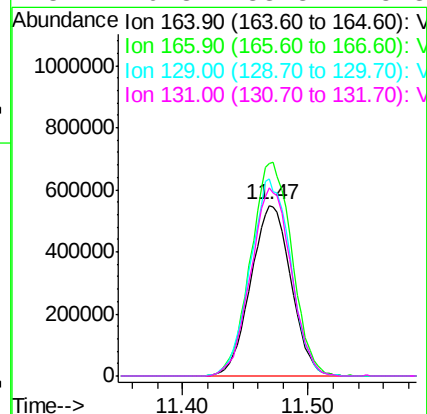
Ion Ratio Lower Upper

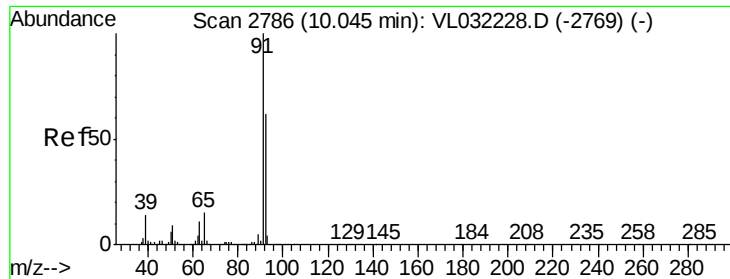
164 100

166 124.5 99.3 148.9

129 115.4 92.0 138.0

131 110.3 83.8 125.8





#53

Toluene

Concen: 8.954 ppbv

RT: 10.04 min Scan# 2785

Delta R.T. -0.00 min

Lab File: VL032248.D

Acq: 13 Jul 2018 16:01

Instrument :

MSVOA_L

ClientSampleId :

VL0713ABS01

Tgt Ion: 91 Resp: 4123473

Ion Ratio Lower Upper

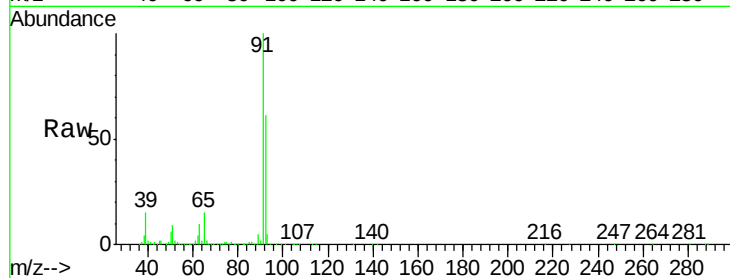
91 100

92 60.7 49.0 73.4

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

10.04

2000000

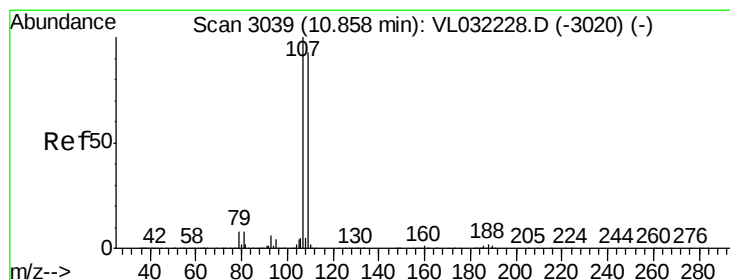
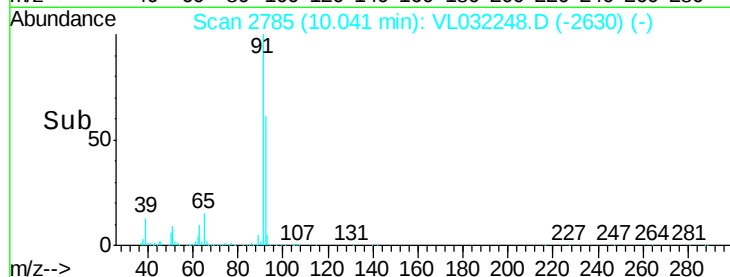
1500000

1000000

500000

0

Time-->



#54

1,2-Dibromoethane

Concen: 9.155 ppbv

RT: 10.86 min Scan# 3040

Delta R.T. 0.00 min

Lab File: VL032248.D

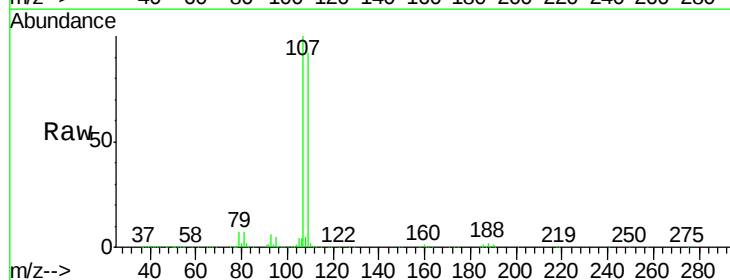
Acq: 13 Jul 2018 16:01

Tgt Ion: 107 Resp: 2336817

Ion Ratio Lower Upper

107 100

109 91.7 74.3 111.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.86

1200000

1000000

800000

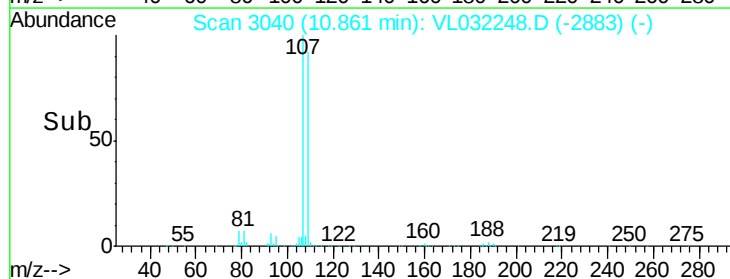
600000

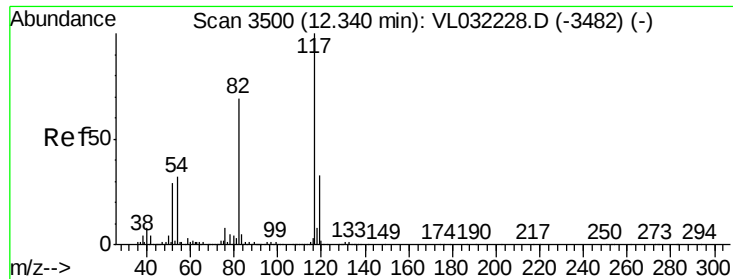
400000

200000

0

Time-->





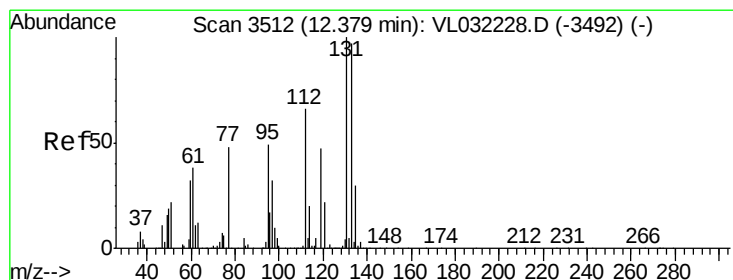
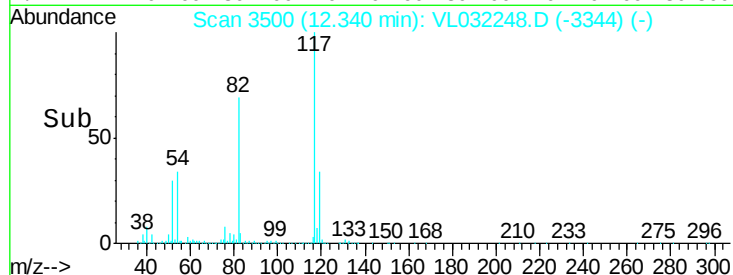
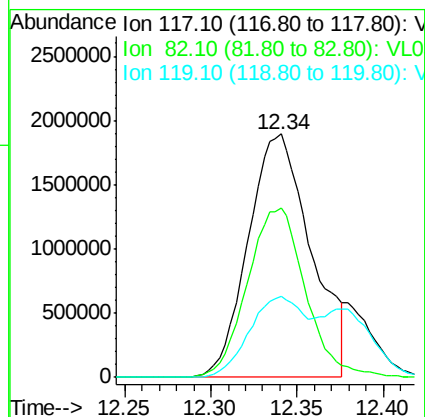
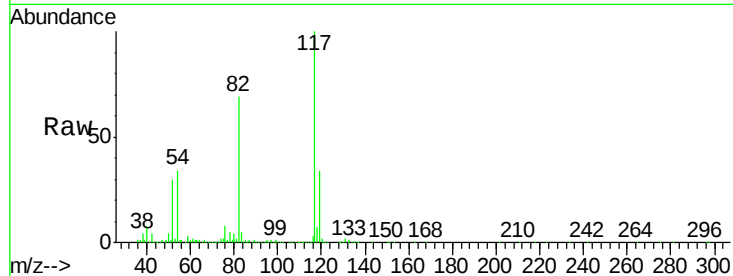
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.34 min Scan# 3500
Delta R.T. 0.00 min
Lab File: VL032248.D
Acq: 13 Jul 2018 16:01

Instrument :
MSVOA_L
ClientSampleId :
VL0713ABS01

Tgt Ion:117 Resp: 4796113
Ion Ratio Lower Upper
117 100
82 64.1 53.2 79.8
119 53.2 43.9 65.9

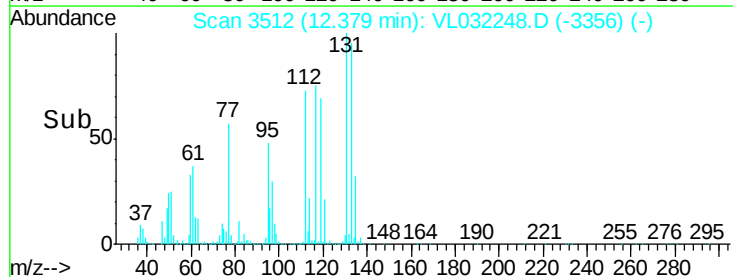
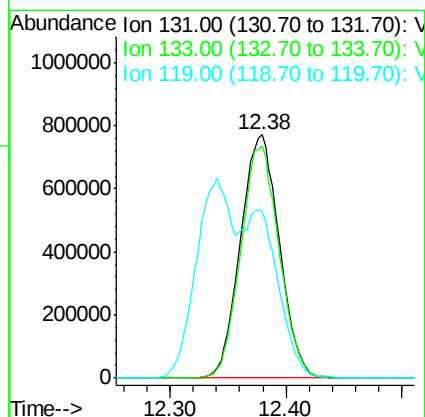
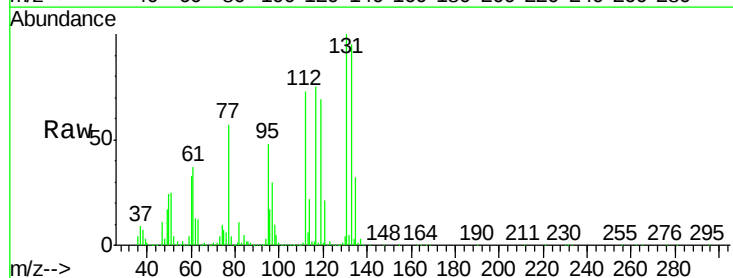
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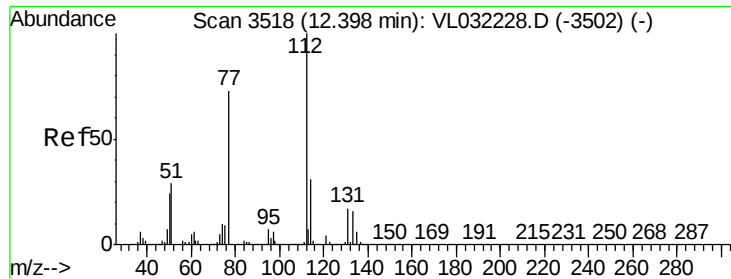
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.612 ppbv
RT: 12.38 min Scan# 3512
Delta R.T. 0.00 min
Lab File: VL032248.D
Acq: 13 Jul 2018 16:01

Tgt Ion:131 Resp: 1794159
Ion Ratio Lower Upper
131 100
133 94.4 75.2 112.8
119 142.2 113.9 170.9





#57

Chlorobenzene

Concen: 8.305 ppbv

RT: 12.40 min Scan# 3518

Delta R.T. 0.00 min

Lab File: VL032248.D

Acq: 13 Jul 2018 16:01

Instrument :

MSVOA_L

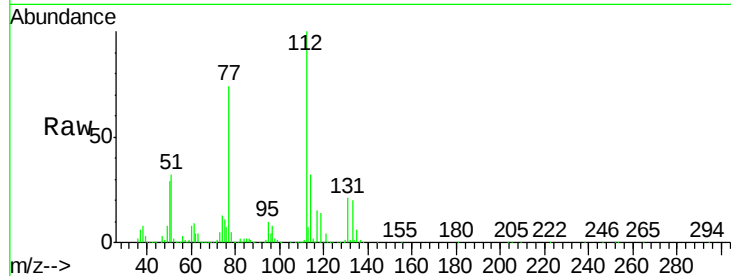
ClientSampleId :

VL0713ABS01

Tgt Ion:	112	Resp:	3366562
Ion	Ratio	Lower	Upper
112	100		
77	73.4	58.8	88.2
114	32.2	27.9	34.1

Manual Integrations
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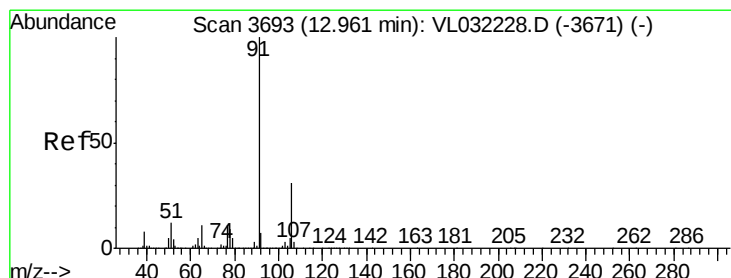
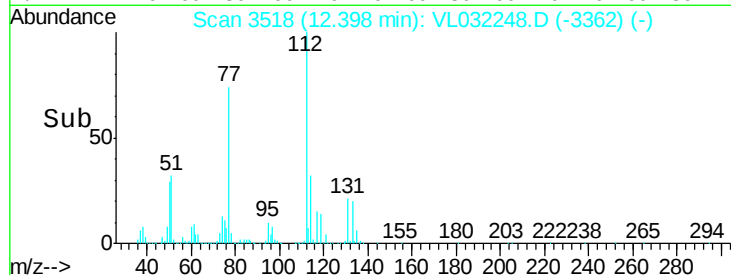
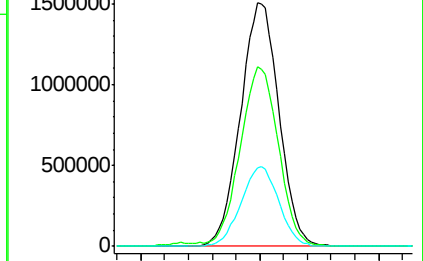
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.987 ppbv

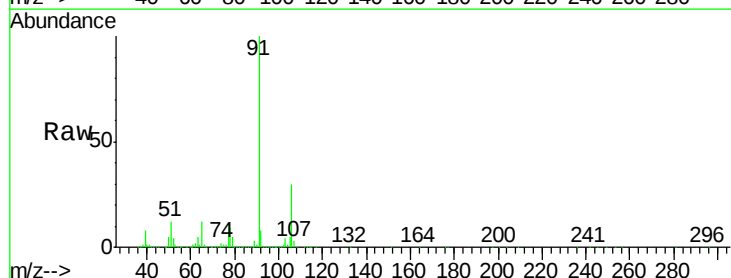
RT: 12.96 min Scan# 3693

Delta R.T. 0.00 min

Lab File: VL032248.D

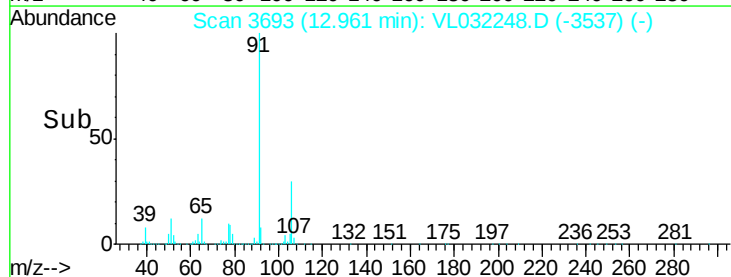
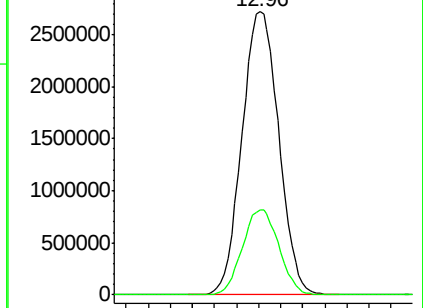
Acq: 13 Jul 2018 16:01

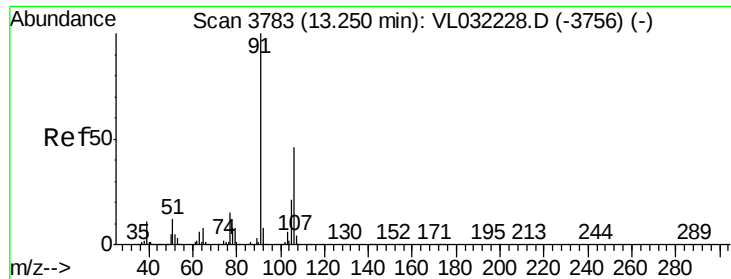
Tgt Ion:	91	Resp:	6276206
Ion	Ratio	Lower	Upper
91	100		
106	29.9	24.5	36.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





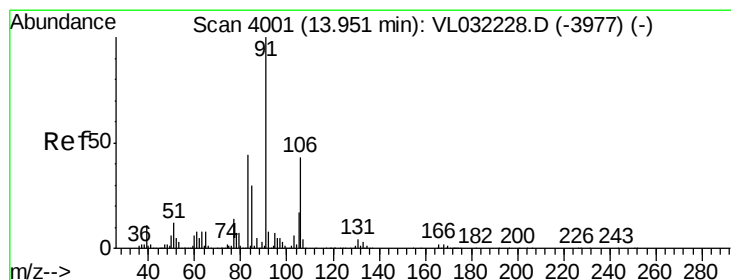
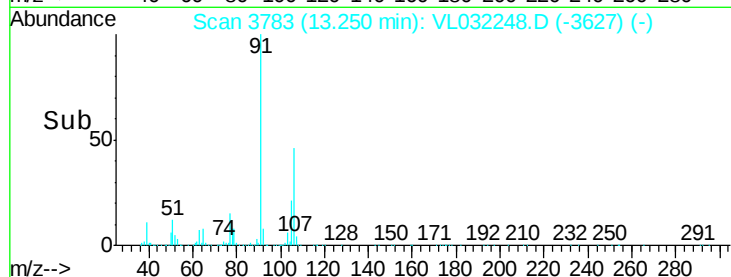
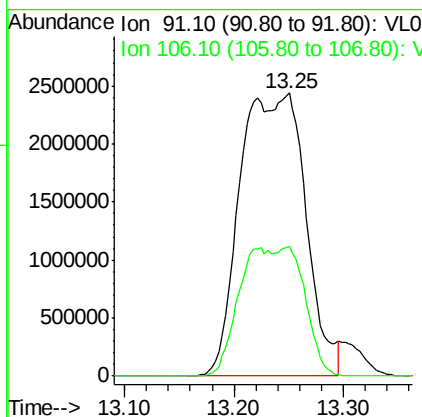
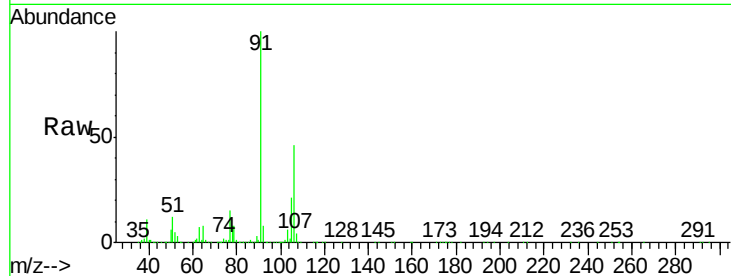
#59
m/p-Xylene
Concen: 17.599 ppbv m
RT: 13.25 min Scan# 3783
Delta R.T. 0.00 min
Lab File: VL032248.D
Acq: 13 Jul 2018 16:01

Instrument :
MSVOA_L
ClientSampleId :
VL0713ABS01

Tgt Ion: 91 Resp:10112698
Ion Ratio Lower Upper
91 100
106 44.8 36.4 54.6

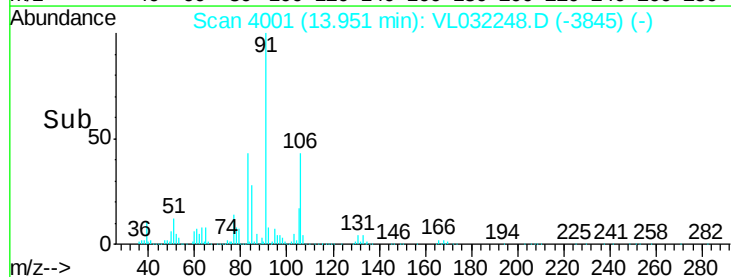
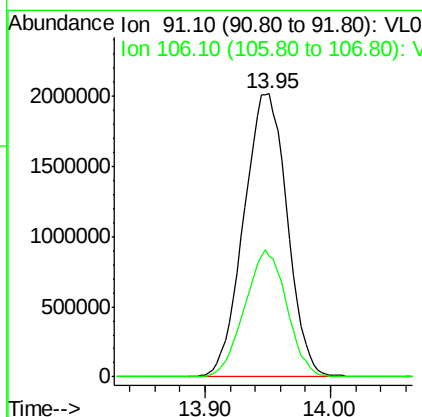
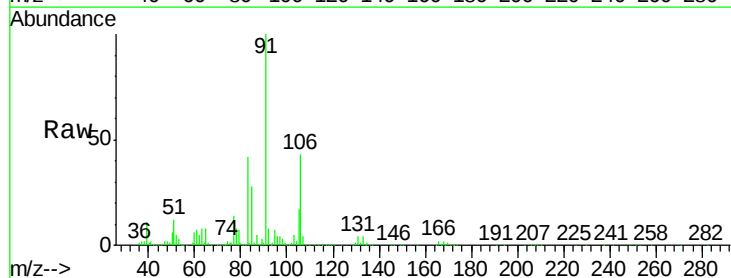
Manual Integrations
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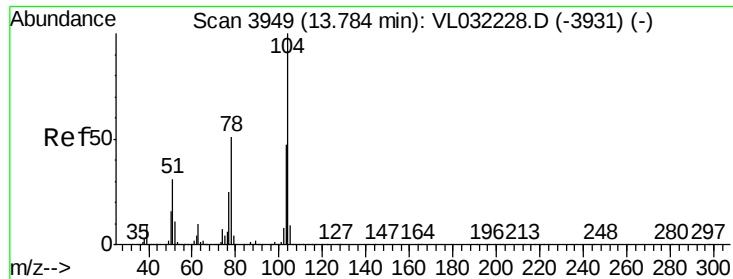
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#60
o-Xylene
Concen: 8.564 ppbv
RT: 13.95 min Scan# 4001
Delta R.T. 0.00 min
Lab File: VL032248.D
Acq: 13 Jul 2018 16:01

Tgt Ion: 91 Resp: 4856090
Ion Ratio Lower Upper
91 100
106 43.5 21.9 65.5





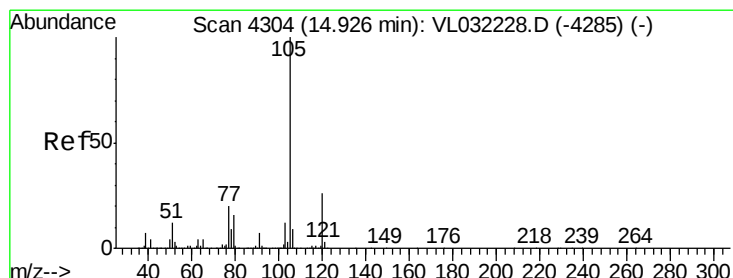
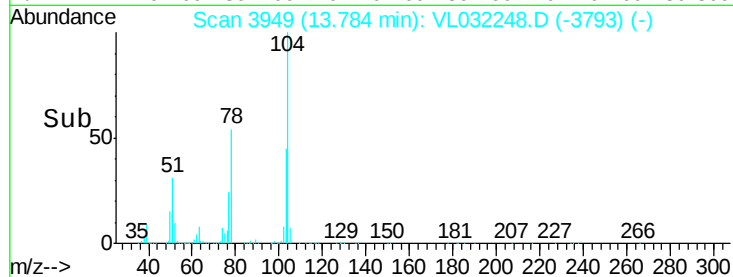
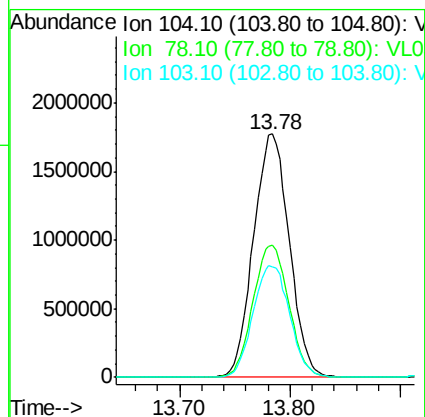
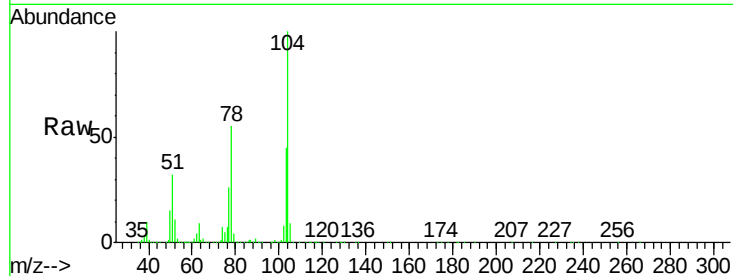
#61
Styrene
Concen: 9.405 ppbv
RT: 13.78 min Scan# 3949
Delta R.T. 0.00 min
Lab File: VL032248.D
Acq: 13 Jul 2018 16:01

Instrument :
MSVOA_L
ClientSampleId :
VL0713ABS01

Tgt Ion:104 Resp: 3995992
Ion Ratio Lower Upper
104 100
78 54.5 43.4 65.0
103 47.2 38.0 57.0

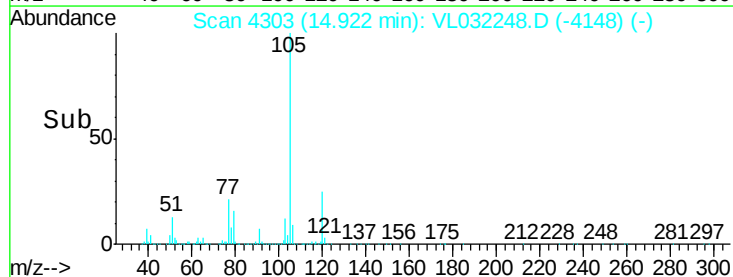
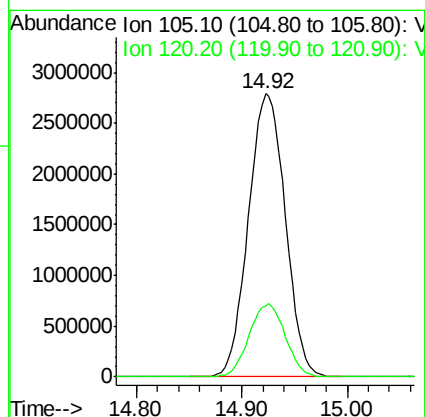
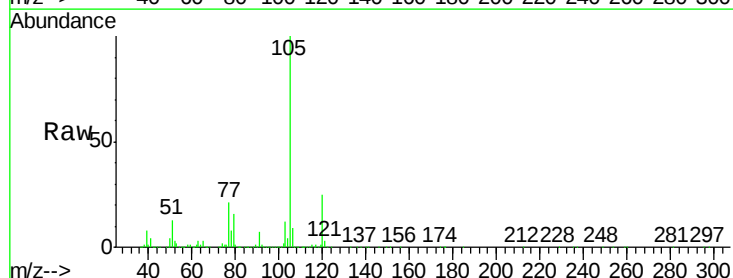
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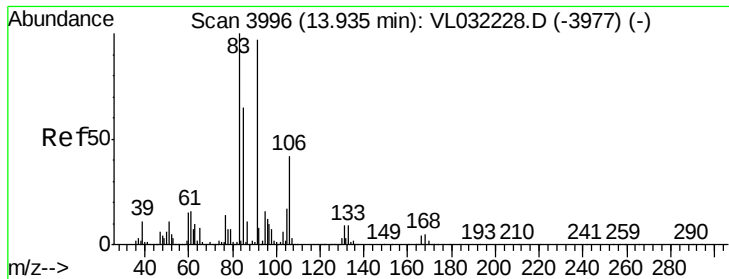
apatel
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#62
Isopropylbenzene
Concen: 8.546 ppbv
RT: 14.92 min Scan# 4303
Delta R.T. -0.00 min
Lab File: VL032248.D
Acq: 13 Jul 2018 16:01

Tgt Ion:105 Resp: 6794438
Ion Ratio Lower Upper
105 100
120 25.3 20.2 30.2





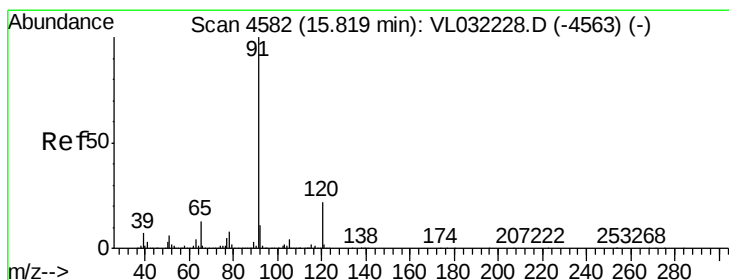
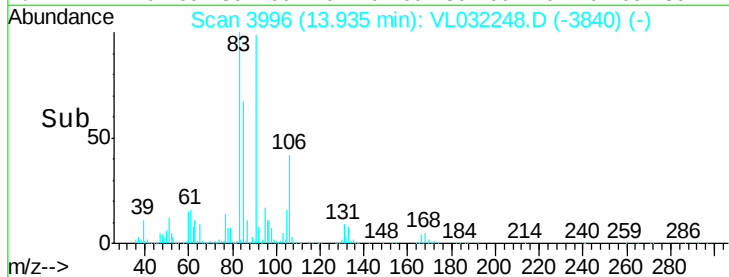
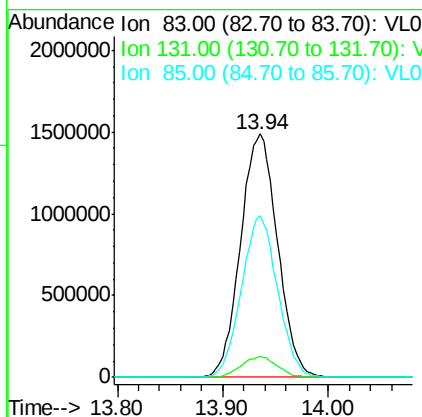
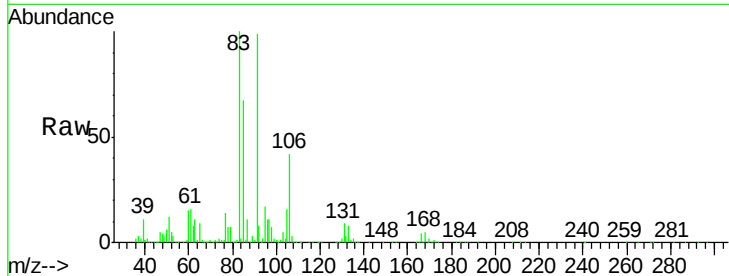
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.876 ppbv
 RT: 13.94 min Scan# 3996
 Delta R.T. 0.00 min
 Lab File: VL032248.D
 Acq: 13 Jul 2018 16:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0713ABS01

Tgt Ion: 83 Resp: 3633090
 Ion Ratio Lower Upper
 83 100
 131 8.4 4.3 12.8
 85 64.7 32.5 97.5

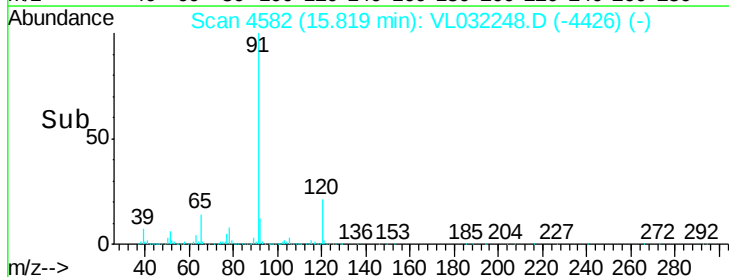
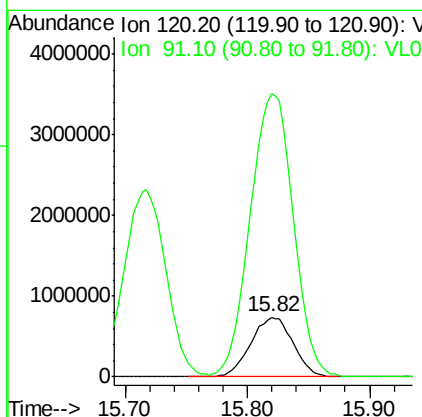
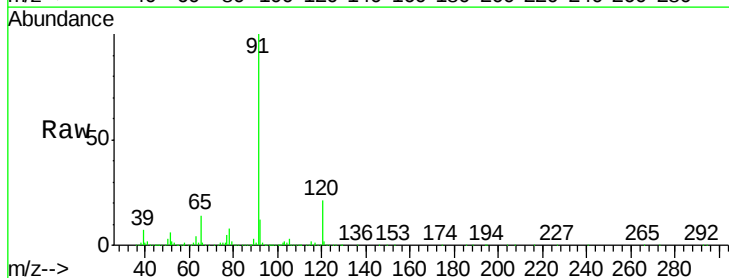
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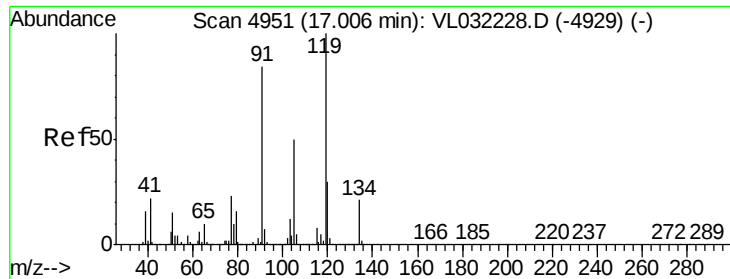
apatel
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#64
 n-propylbenzene
 Concen: 8.802 ppbv
 RT: 15.82 min Scan# 4582
 Delta R.T. 0.00 min
 Lab File: VL032248.D
 Acq: 13 Jul 2018 16:01

Tgt Ion: 120 Resp: 1771669
 Ion Ratio Lower Upper
 120 100
 91 486.2 385.0 577.4





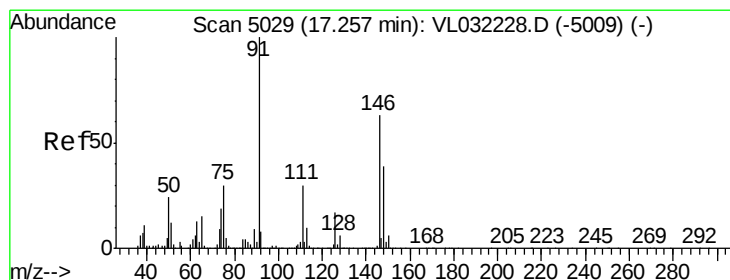
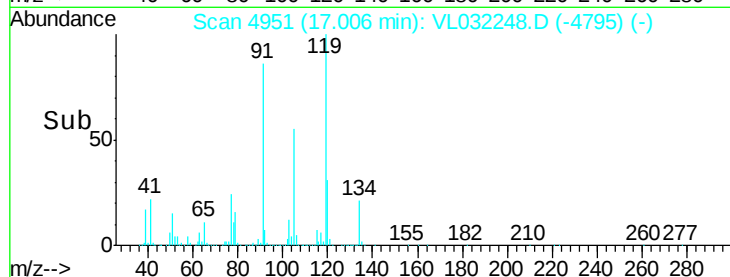
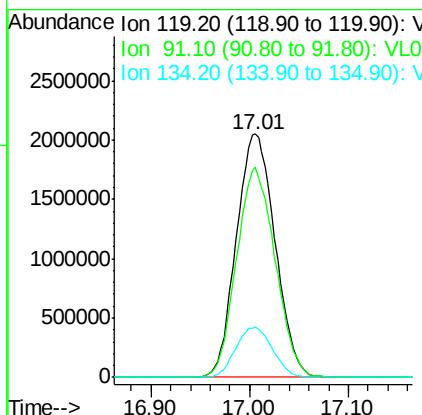
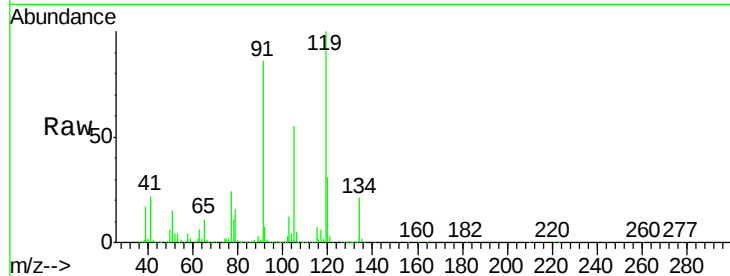
#65
 tert-Butylbenzene
 Concen: 8.353 ppbv
 RT: 17.01 min Scan# 4951
 Delta R.T. 0.00 min
 Lab File: VL032248.D
 Acq: 13 Jul 2018 16:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0713ABS01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	85.9	68.6	102.8
134	19.6	15.4	23.2

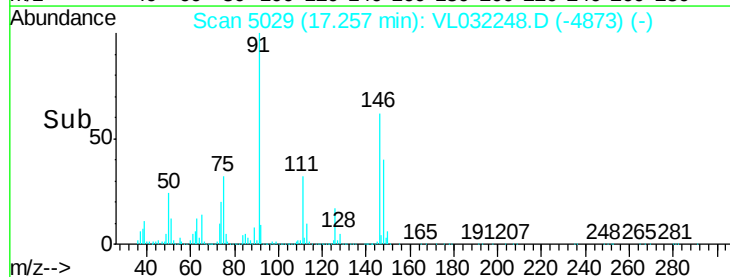
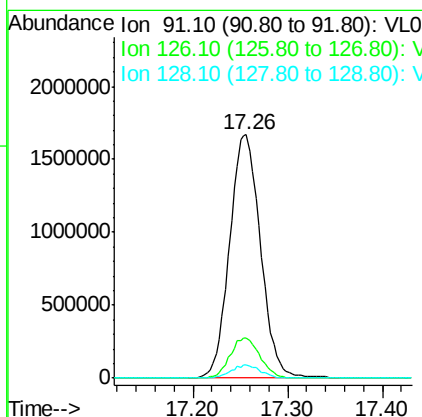
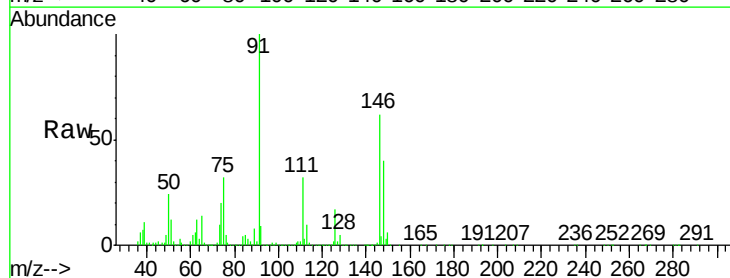
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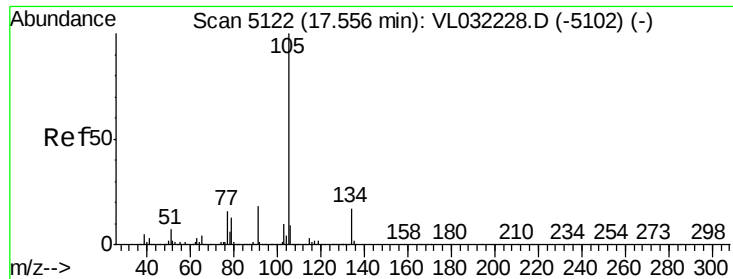
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#66
 Benzyl Chloride
 Concen: 11.216 ppbv
 RT: 17.26 min Scan# 5029
 Delta R.T. 0.00 min
 Lab File: VL032248.D
 Acq: 13 Jul 2018 16:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	16.2	13.4	20.0
128	5.3	4.5	6.7





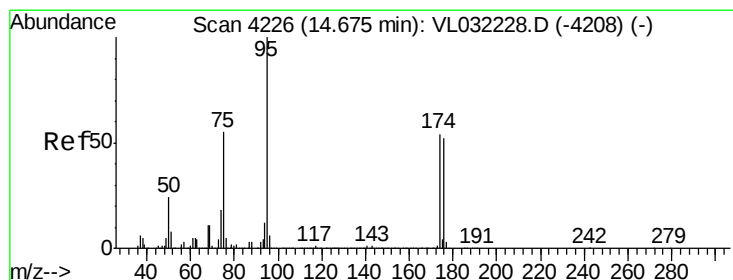
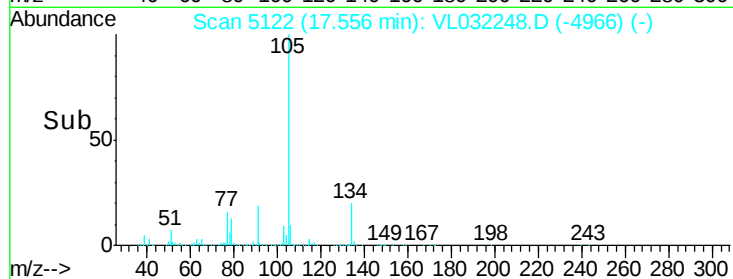
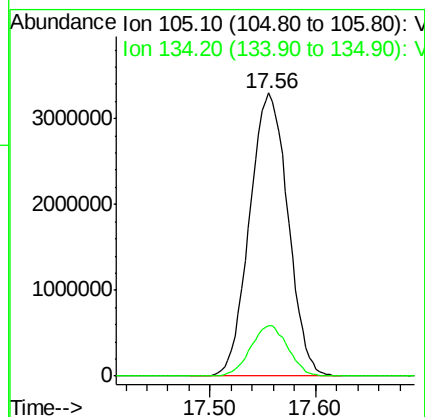
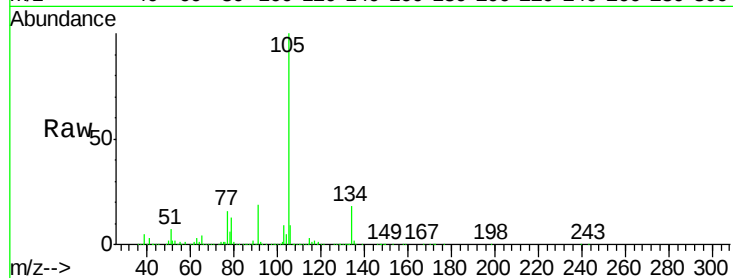
#67
 sec-Butylbenzene
 Concen: 8.587 ppbv
 RT: 17.56 min Scan# 5122
 Delta R.T. 0.00 min
 Lab File: VL032248.D
 Acq: 13 Jul 2018 16:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0713ABS01

Tgt Ion: 105 Resp: 8356237
 Ion Ratio Lower Upper
 105 100
 134 17.4 14.2 21.2

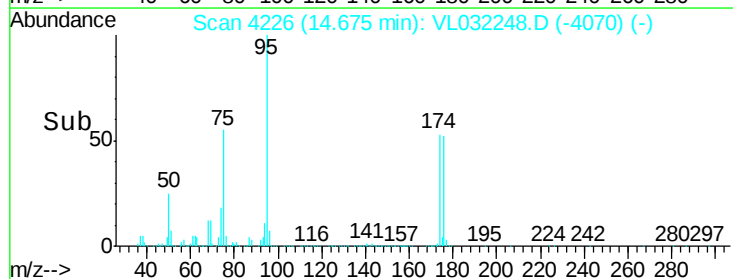
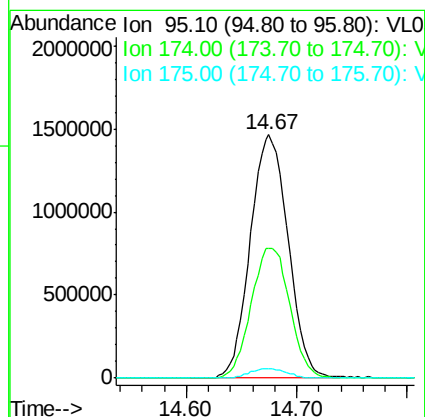
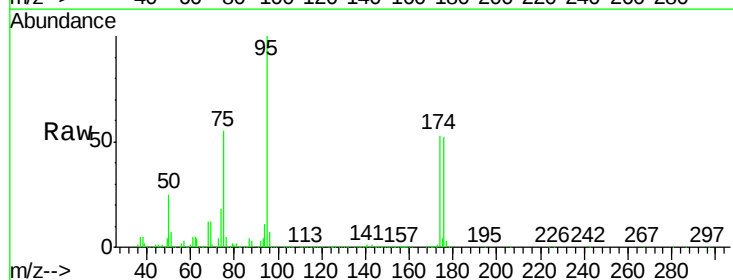
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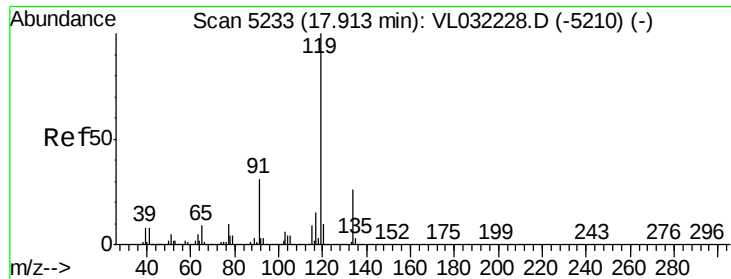
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.392 ppbv
 RT: 14.67 min Scan# 4226
 Delta R.T. 0.00 min
 Lab File: VL032248.D
 Acq: 13 Jul 2018 16:01

Tgt Ion: 95 Resp: 3487165
 Ion Ratio Lower Upper
 95 100
 174 55.0 44.6 67.0
 175 4.0 3.3 4.9





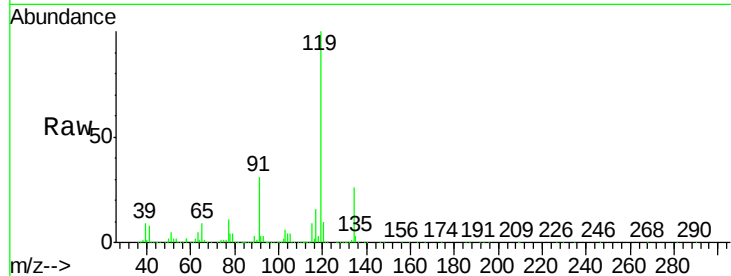
#69
p-Isopropyltoluene
Concen: 8.792 ppbv
RT: 17.91 min Scan# 5233
Delta R.T. 0.00 min
Lab File: VL032248.D
Acq: 13 Jul 2018 16:01

Instrument :
MSVOA_L
ClientSampleId :
VL0713ABS01

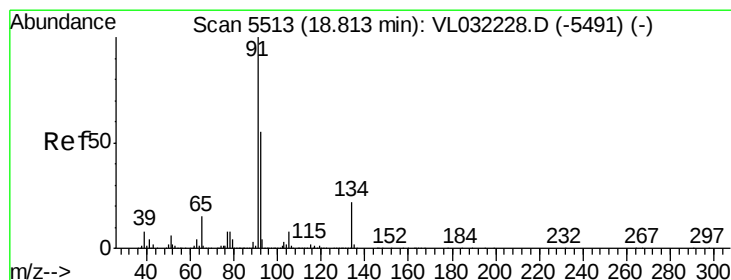
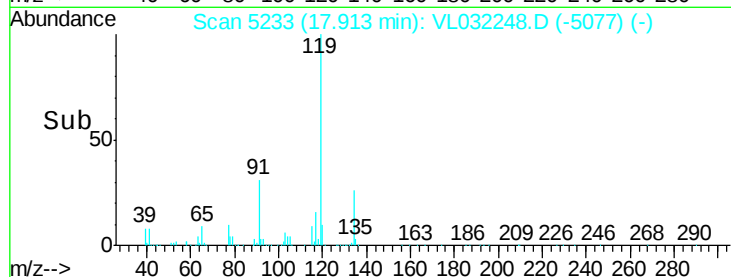
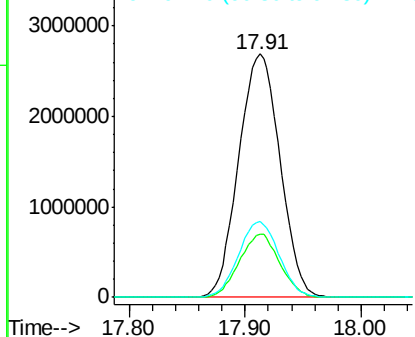
Tgt Ion: 119 Resp: 6661603
Ion Ratio Lower Upper
119 100
134 25.5 20.1 30.1
91 30.6 24.2 36.2

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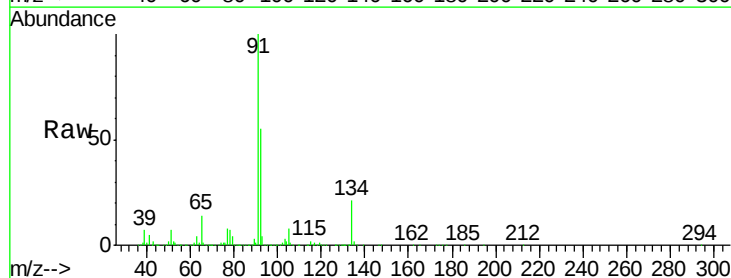


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

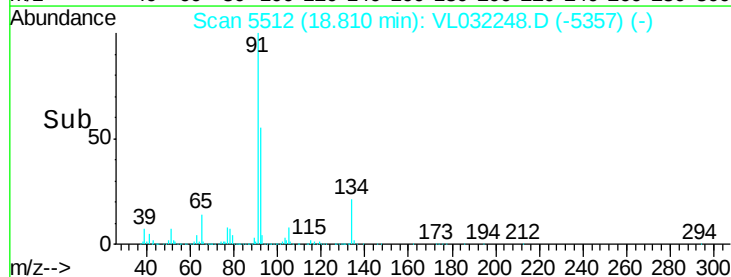
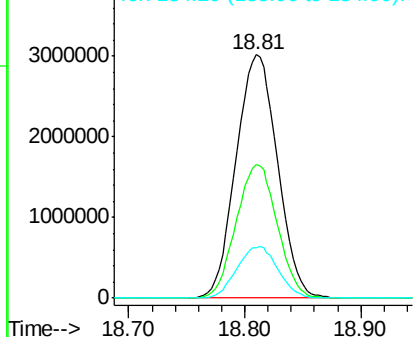


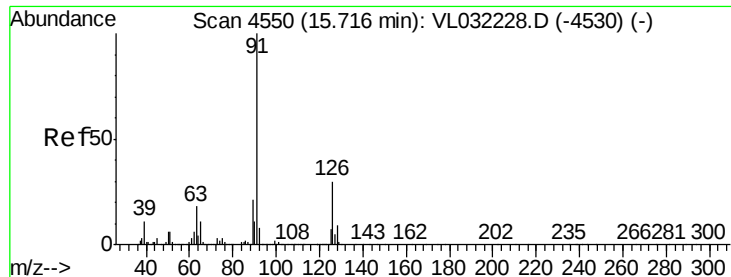
#70
n-Butylbenzene
Concen: 8.937 ppbv
RT: 18.81 min Scan# 5512
Delta R.T. -0.00 min
Lab File: VL032248.D
Acq: 13 Jul 2018 16:01

Tgt Ion: 91 Resp: 7479955
Ion Ratio Lower Upper
91 100
92 54.6 43.6 65.4
134 21.2 17.1 25.7



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0
Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 8.800 ppbv

RT: 15.72 min Scan# 4550

Delta R.T. 0.00 min

Lab File: VL032248.D

Acq: 13 Jul 2018 16:01

Instrument :

MSVOA_L

ClientSampleId :

VL0713ABS01

Tgt Ion: 91 Resp: 5506496

Ion Ratio Lower Upper

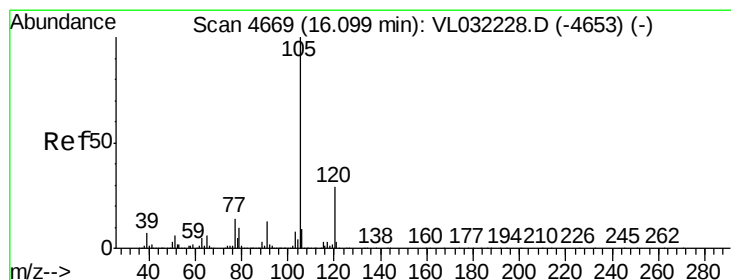
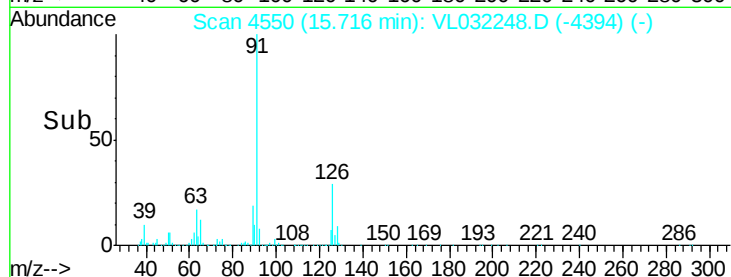
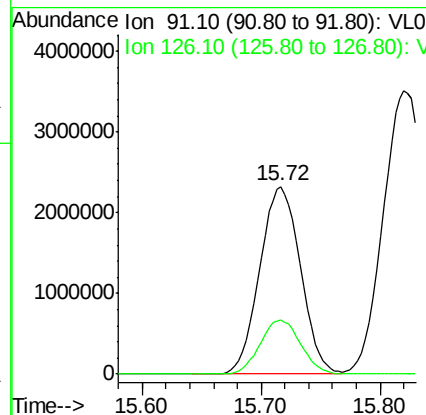
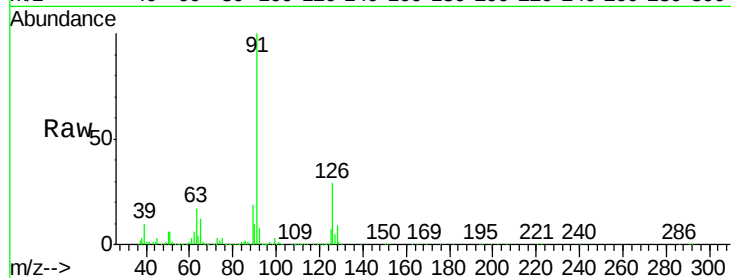
91 100

126 28.7 11.7 46.7

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#72

4-Ethyltoluene

Concen: 9.141 ppbv

RT: 16.10 min Scan# 4669

Delta R.T. 0.00 min

Lab File: VL032248.D

Acq: 13 Jul 2018 16:01

Tgt Ion: 105 Resp: 5815837

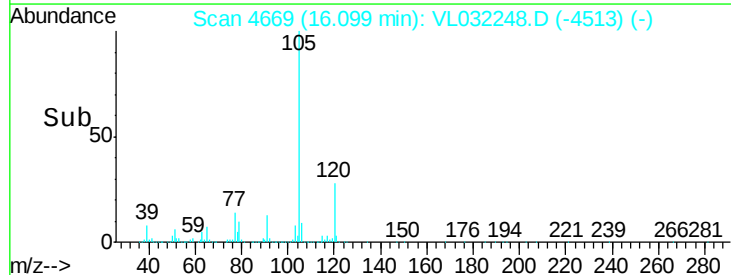
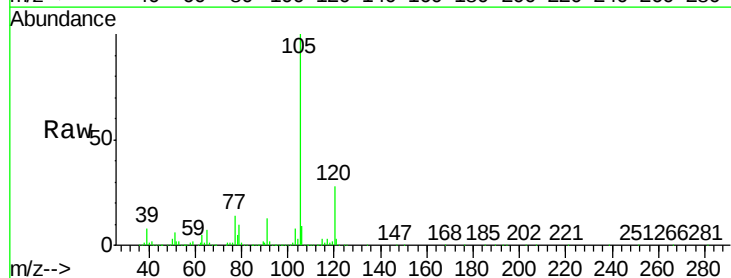
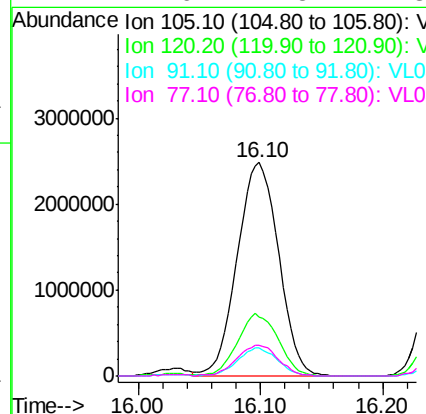
Ion Ratio Lower Upper

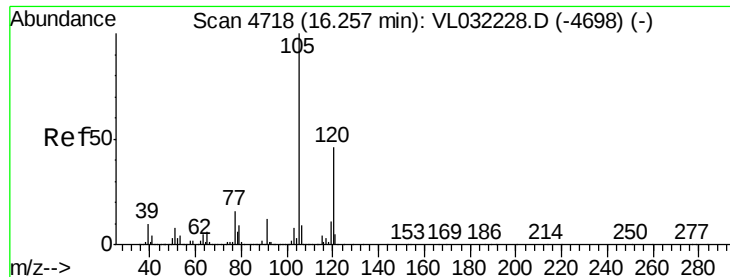
105 100

120 28.8 23.3 34.9

91 12.7 10.3 15.5

77 14.6 11.5 17.3





#73

1,3,5-Trimethylbenzene

Concen: 9.343 ppbv

RT: 16.25 min Scan# 4717

Delta R.T. -0.00 min

Lab File: VL032248.D

Acq: 13 Jul 2018 16:01

Instrument :

MSVOA_L

ClientSampled :

VL0713ABS01

Tgt Ion:105 Resp: 5527193

Ion Ratio Lower Upper

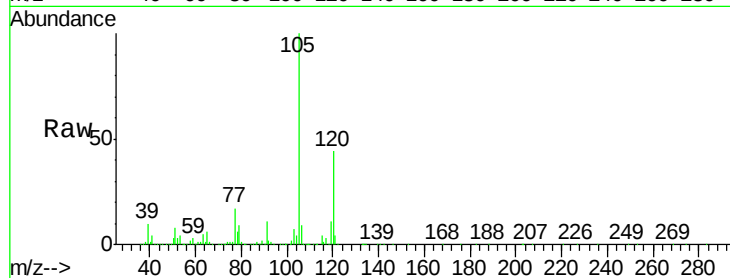
105 100

120 44.1 36.6 54.8

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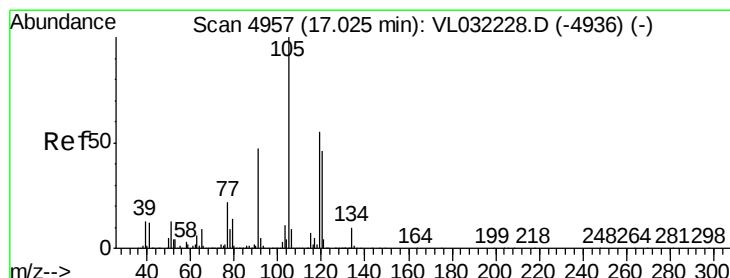
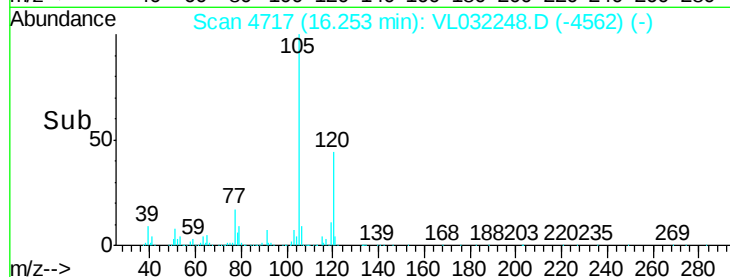
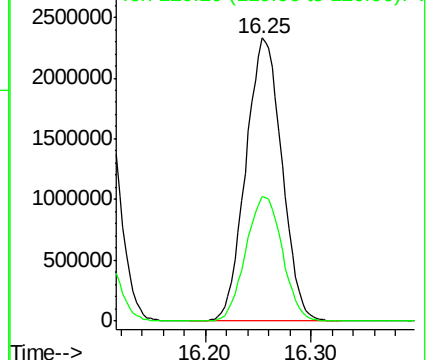
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.868 ppbv

RT: 17.03 min Scan# 4957

Delta R.T. 0.00 min

Lab File: VL032248.D

Acq: 13 Jul 2018 16:01

Tgt Ion:105 Resp: 5364669

Ion Ratio Lower Upper

105 100

120 47.0 37.0 55.4

91 45.5 38.2 57.2

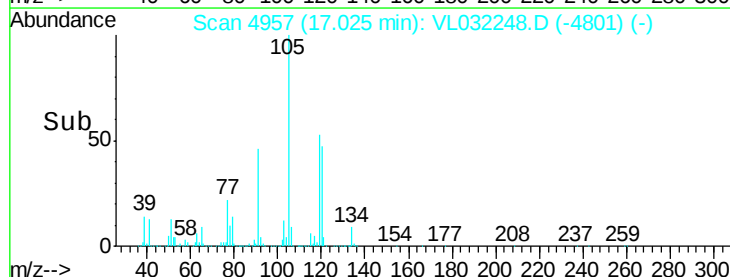
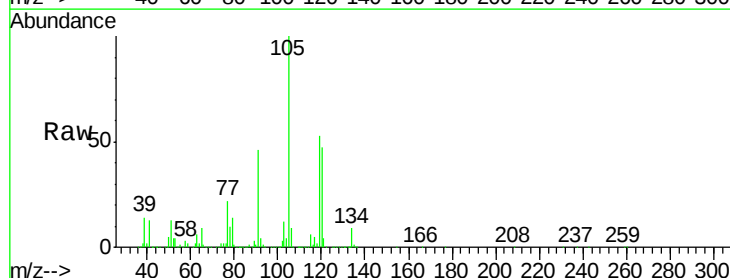
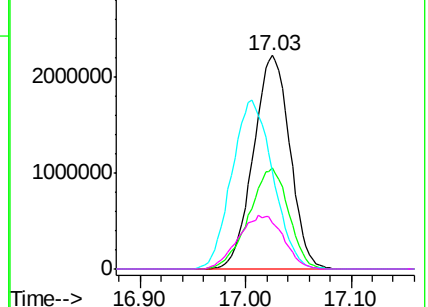
77 21.8 17.7 26.5

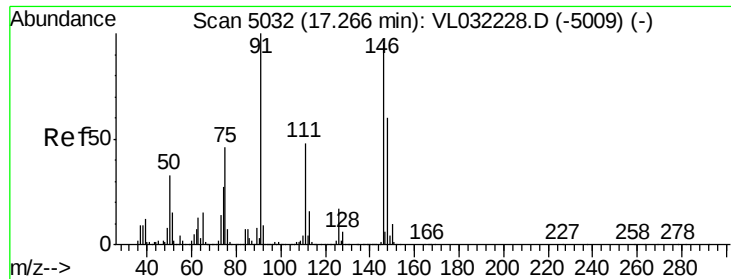
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





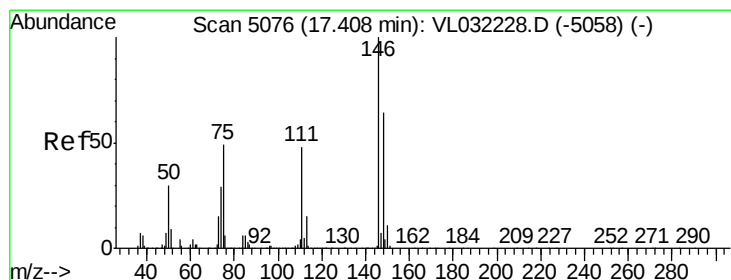
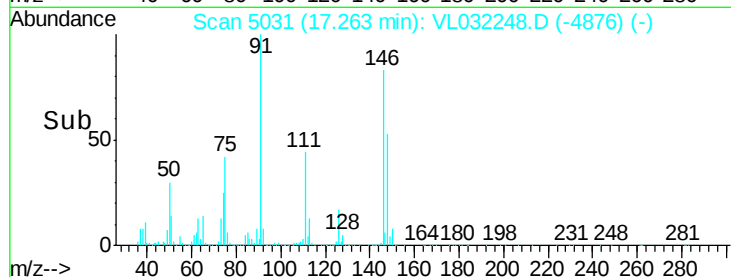
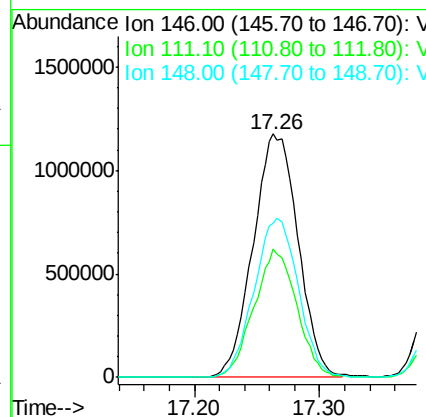
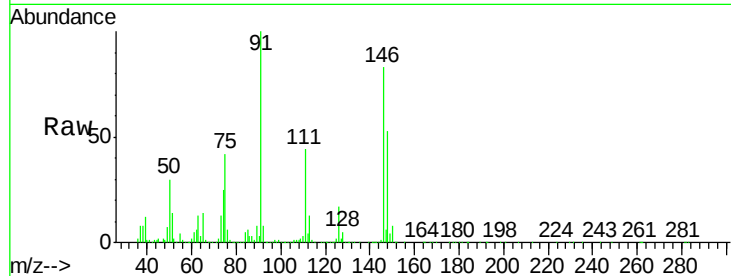
#75
 1,3-Dichlorobenzene
 Concen: 8.137 ppbv
 RT: 17.26 min Scan# 5031
 Delta R.T. -0.00 min
 Lab File: VL032248.D
 Acq: 13 Jul 2018 16:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0713ABS01

Tgt Ion:146 Resp: 2936688
 Ion Ratio Lower Upper
 146 100
 111 49.9 24.9 74.7
 148 64.4 31.9 95.5

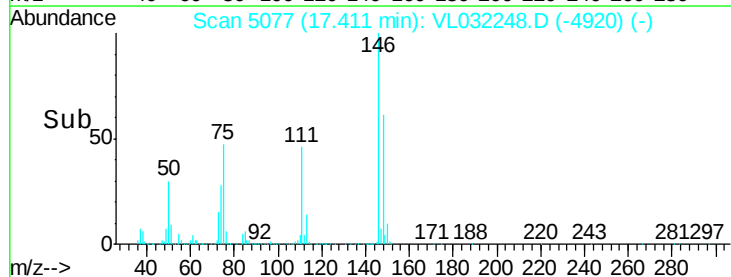
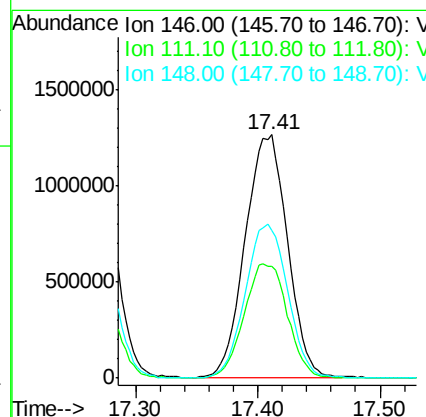
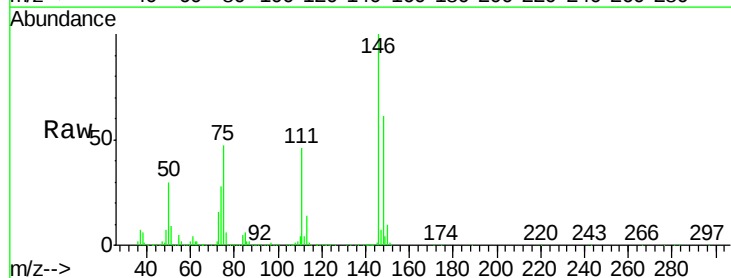
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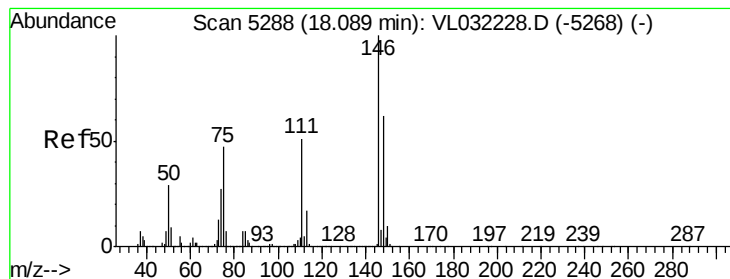
apatel
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#76
 1,4-Dichlorobenzene
 Concen: 8.571 ppbv
 RT: 17.41 min Scan# 5077
 Delta R.T. 0.00 min
 Lab File: VL032248.D
 Acq: 13 Jul 2018 16:01

Tgt Ion:146 Resp: 3029075
 Ion Ratio Lower Upper
 146 100
 111 48.3 24.6 73.6
 148 63.9 32.3 96.9





#77

1,2-Dichlorobenzene

Concen: 8.263 ppbv

RT: 18.09 min Scan# 5288

Delta R.T. 0.00 min

Lab File: VL032248.D

Acq: 13 Jul 2018 16:01

Instrument :

MSVOA_L

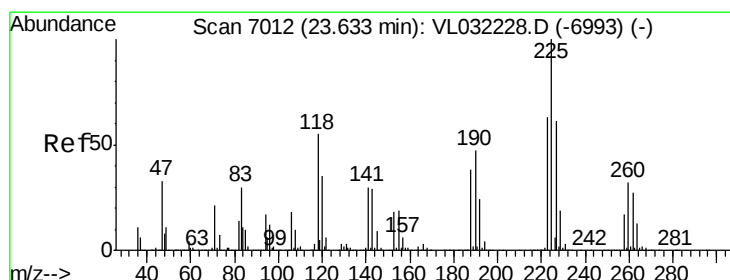
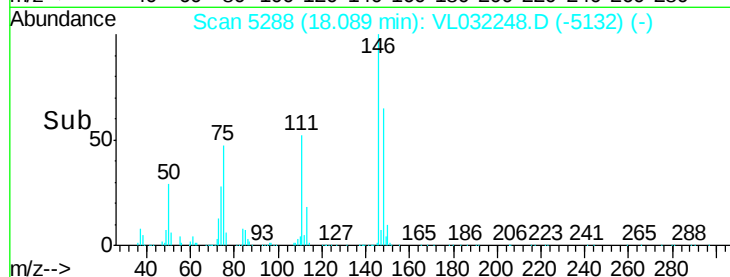
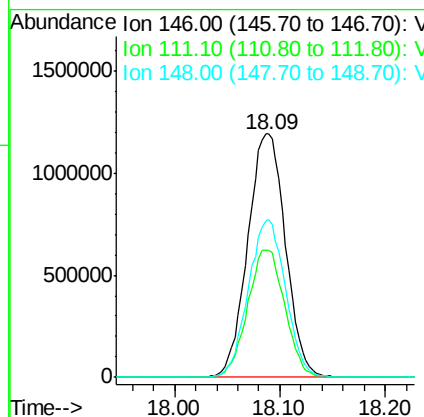
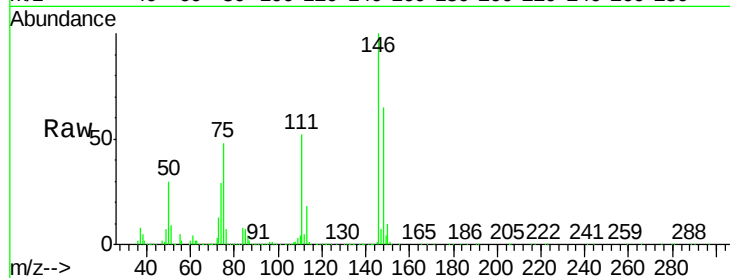
ClientSampleId :

VL0713ABS01

Tgt Ion:	146	Resp:	2963625
Ion Ratio	Lower	Upper	
146	100		
111	51.9	26.1	78.3
148	64.1	32.0	96.0

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#78

Hexachloro-1,3-Butadiene

Concen: 7.538 ppbv

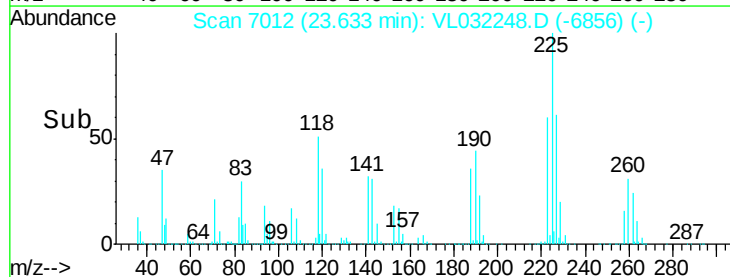
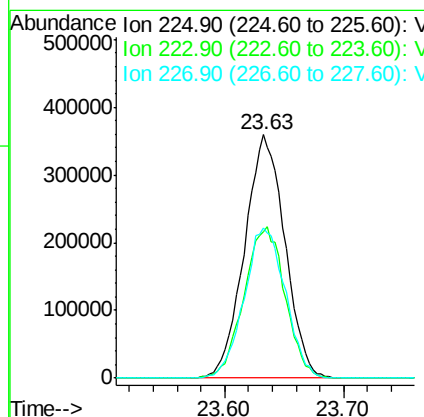
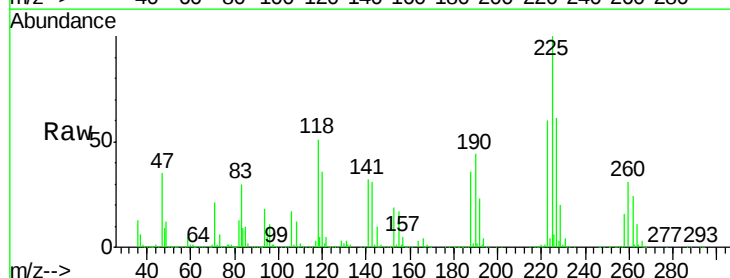
RT: 23.63 min Scan# 7012

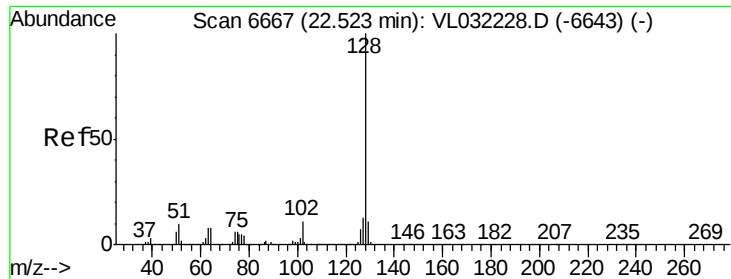
Delta R.T. 0.00 min

Lab File: VL032248.D

Acq: 13 Jul 2018 16:01

Tgt Ion:	225	Resp:	842605
Ion Ratio	Lower	Upper	
225	100		
223	63.3	50.3	75.5
227	63.0	50.9	76.3





#79

Naphthalene

Concen: 12.707 ppbv

RT: 22.53 min Scan# 6668

Delta R.T. 0.00 min

Lab File: VL032248.D

Acq: 13 Jul 2018 16:01

Instrument :

MSVOA_L

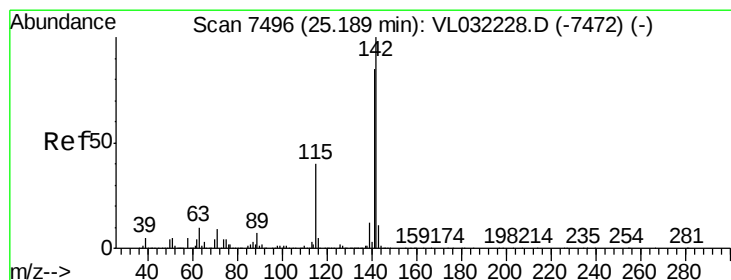
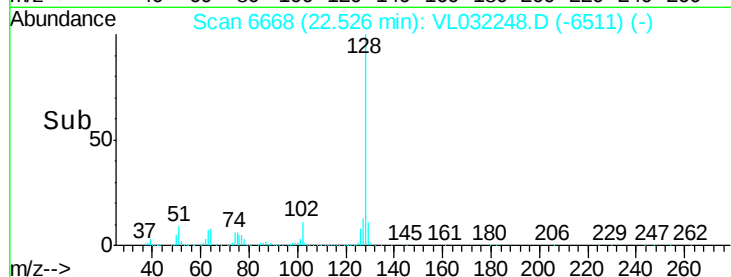
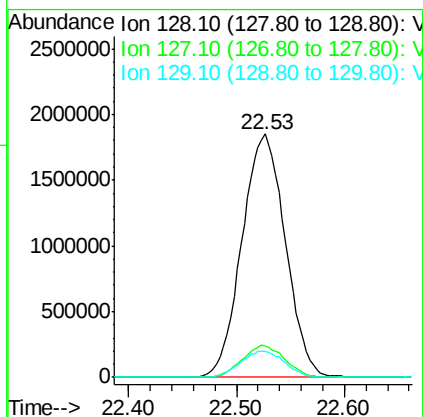
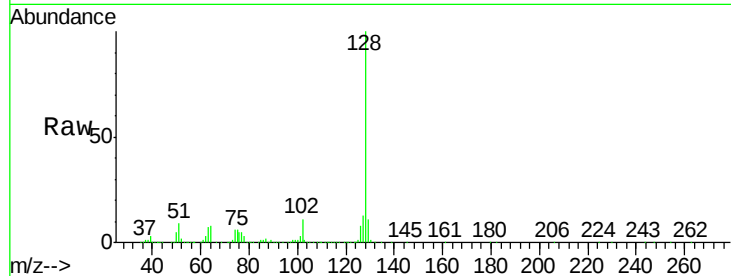
ClientSampleId :

VL0713ABS01

Tgt Ion:	128	Resp:	5160331
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.0	15.0
129	10.5	9.0	13.4

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#80

Naphthalene, 2-methyl-

Concen: 19.657 ppbv

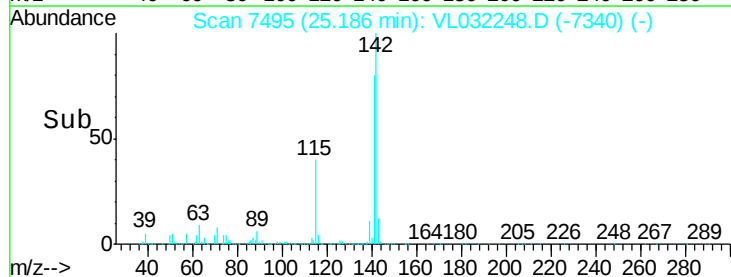
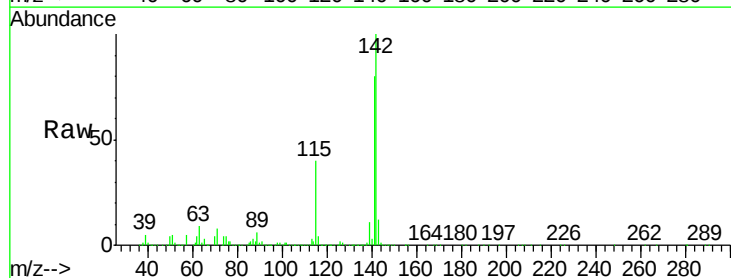
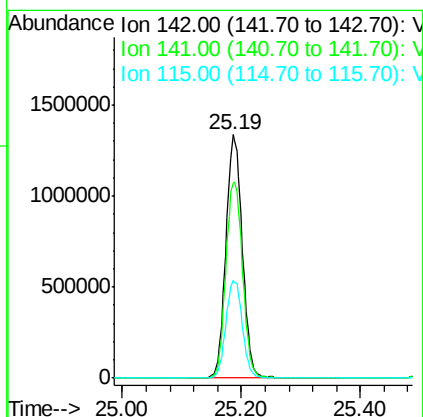
RT: 25.19 min Scan# 7495

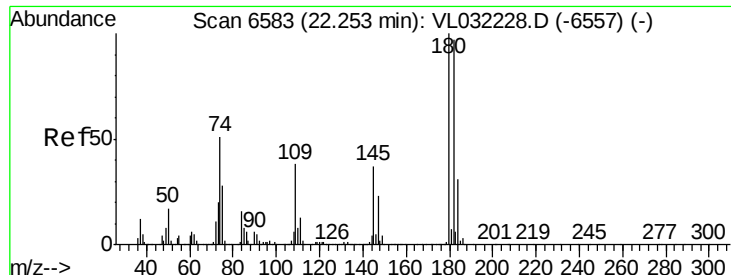
Delta R.T. -0.00 min

Lab File: VL032248.D

Acq: 13 Jul 2018 16:01

Tgt Ion:	142	Resp:	2550264
Ion	Ratio	Lower	Upper
142	100		
141	82.3	67.0	100.6
115	40.4	32.6	49.0





#81
 1,2,4-Trichlorobenzene
 Concen: 11.587 ppbv m
 RT: 22.25 min Scan# 6582
 Delta R.T. -0.00 min
 Lab File: VL032248.D
 Acq: 13 Jul 2018 16:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0713ABS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.1	114.1
184	30.2	24.2	36.4

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