

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071318\
 Data File : VL032257.D
 Acq On : 13 Jul 2018 22:48
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

apatel
 7/16/2018 9:46:05 AM

Quant Time: Jul 15 23:23:43 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	5.85	49	1484132	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.38	114	3593069	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.34	117	4345126m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.68	95	3212306	9.55	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.50%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.13	85	2354650	11.020	ppbv	98
3) Chlorodifluoromethane	3.07	51	1694528	9.291	ppbv	99
4) Chloromethane	3.22	50	955823	9.213	ppbv	100
5) Vinyl Chloride	3.35	62	881466	8.624	ppbv	100
6) Bromomethane	3.57	94	524104	9.210	ppbv	100
7) Chloroethane	3.66	64	345465	9.814	ppbv	98
8) Dichlorotetrafluoroethane	3.28	85	1911987	8.147	ppbv	100
9) Propene	3.09	41	748679	9.630	ppbv	98
10) Heptane	8.34	43	2296625	10.402	ppbv	99
11) Trichlorofluoromethane	4.07	101	1928180	9.433	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.62	101	1237220	9.476	ppbv	100
13) Ethanol	3.71	45	176340	7.858	ppbv	96
14) Bromoethene	3.85	108	610403	9.910	ppbv	99
15) Acetone	3.97	43	1536679	8.923	ppbv	99
16) 1,3-Butadiene	3.42	39	1129123	12.975	ppbv #	75
17) tert-Butyl alcohol	4.43	59	807677	10.044	ppbv	99
18) 1,1-Dichloroethene	4.42	96	598856	9.856	ppbv	97
19) Isopropyl Alcohol	4.09	45	1105539	9.776	ppbv	100
20) Methylene Chloride	4.48	84	538220	9.222	ppbv	99
21) Allyl Chloride	4.55	41	1082551	10.737	ppbv	99
22) trans-1,2-Dichloroethene	5.04	96	677749	11.719	ppbv	98
23) Vinyl Acetate	5.23	43	3028953	10.575	ppbv	99
24) 1,1-Dichloroethane	5.17	63	1997853	9.934	ppbv	99
25) Ethyl Acetate	5.85	43	3394939	9.961	ppbv	100
26) Hexane	5.86	57	1516977	9.758	ppbv	98
27) Carbon Disulfide	4.69	76	1536060	11.043	ppbv	100
28) Methyl tert-Butyl Ether	5.19	73	2708192	11.068	ppbv	100
29) Chloroform	5.93	83	2296134	9.567	ppbv	100
30) Cyclohexane	7.34	84	1442959	10.518	ppbv	99
31) cis-1,2-Dichloroethene	5.72	61	1633670	10.530	ppbv	97
32) 1,1,1-Trichloroethane	6.71	97	2485192	10.671	ppbv	99
34) 2-Butanone	5.40	43	2405939	9.828	ppbv	99
35) Carbon Tetrachloride	7.22	117	2625926	10.799	ppbv	98
36) Benzene	7.09	78	3533943	9.896	ppbv	99
37) 1,2-Dichloroethane	6.50	62	1961125	10.031	ppbv	100
38) Trichloroethene	8.05	130	1200123	9.798	ppbv	99
39) 1,2-Dichloropropane	7.83	63	1532615	10.800	ppbv	94
40) 1,4-Dioxane	8.05	88	475497m	9.772	ppbv	
41) Tetrahydrofuran	6.23	42	1489997	10.876	ppbv	99
42) Bromodichloromethane	8.01	83	2716303	9.758	ppbv	99
43) Methyl Methacrylate	8.22	69	1457237m	10.561	ppbv	

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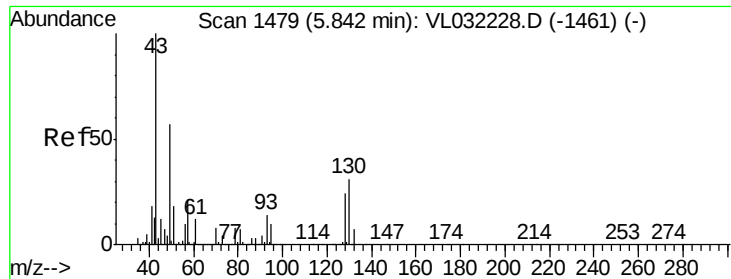
Manual Integrations
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Quant Time: Jul 15 23:23:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL071218AIR.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.08	57	6362502	10.360	ppbv	99
45) t-1,3-Dichloropropene	9.51	75	2170664	13.208	ppbv	99
46) cis-1,3-Dichloropropene	8.93	75	2509489	11.195	ppbv	99
47) 1,1,2-Trichloroethane	9.71	97	1371337	8.652	ppbv	98
48) Dibromochloromethane	10.55	129	2464517	10.451	ppbv	99
49) Bromoform	13.30	173	2001432	10.588	ppbv	99
50) 4-Methyl-2-Pentanone	8.96	43	4363559	10.303	ppbv	99
51) 2-Hexanone	10.37	43	3734761	10.559	ppbv	100
52) Tetrachloroethene	11.47	164	1184532	8.978	ppbv	98
53) Toluene	10.04	91	4464263	10.574	ppbv	100
54) 1,2-Dibromoethane	10.86	107	2397865	10.247	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.38	131	1714207	9.082	ppbv #	61
57) Chlorobenzene	12.40	112	3199484	8.712	ppbv	99
58) Ethyl Benzene	12.96	91	5964800	9.427	ppbv	99
59) m/p-Xylene	13.25	91	9515028m	18.277	ppbv	
60) o-Xylene	13.95	91	4641433	9.035	ppbv	99
61) Styrene	13.78	104	3797415	9.865	ppbv	99
62) Isopropylbenzene	14.93	105	6465891	8.977	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.94	83	3473742	8.312	ppbv	100
64) n-propylbenzene	15.82	120	1691404	9.276	ppbv	98
65) tert-Butylbenzene	17.01	119	5306284	8.794	ppbv	100
66) Benzyl Chloride	17.26	91	3862813	12.650	ppbv	100
67) sec-Butylbenzene	17.56	105	8010013	9.086	ppbv	100
69) p-Isopropyltoluene	17.92	119	6469376	9.424	ppbv	100
70) n-Butylbenzene	18.81	91	7174916	9.462	ppbv	100
71) 2-Chlorotoluene	15.72	91	5242937	9.249	ppbv	100
72) 4-Ethyltoluene	16.10	105	5549351	9.627	ppbv	99
73) 1,3,5-Trimethylbenzene	16.26	105	5292816	9.875	ppbv	100
74) 1,2,4-Trimethylbenzene	17.02	105	5157311	9.410	ppbv	98
75) 1,3-Dichlorobenzene	17.27	146	2835373	8.672	ppbv	100
76) 1,4-Dichlorobenzene	17.41	146	2942224	9.189	ppbv	99
77) 1,2-Dichlorobenzene	18.09	146	2871684	8.838	ppbv	99
78) Hexachloro-1,3-Butadiene	23.64	225	1691029	16.698	ppbv	99
79) Naphthalene	22.53	128	5311139	14.436	ppbv	99
80) Naphthalene,2-methyl-	25.19	142	2495233	21.229	ppbv	99
81) 1,2,4-Trichlorobenzene	22.25	180	2362141	12.830	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.85 min Scan# 1480

Delta R.T. 0.00 min

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Tgt Ion: 49 Resp: 1484132

Ion Ratio Lower Upper

49 100

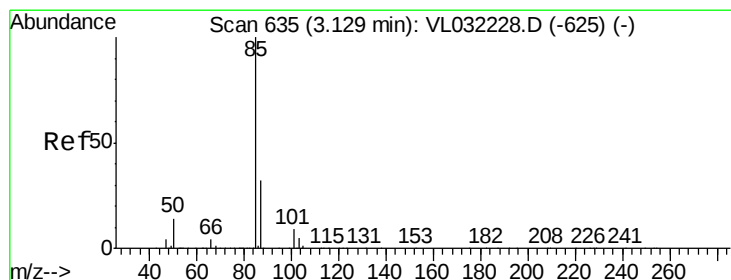
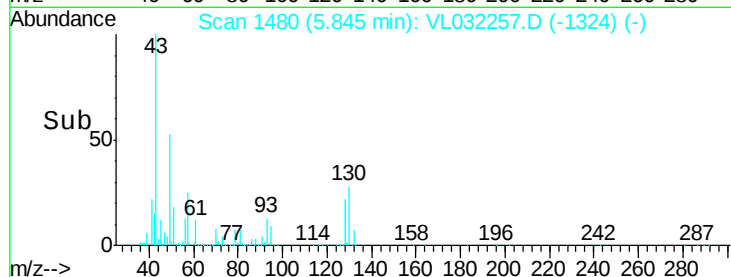
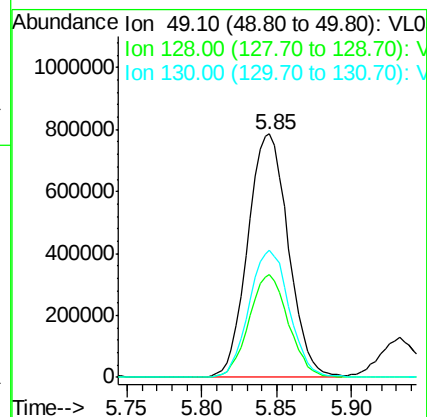
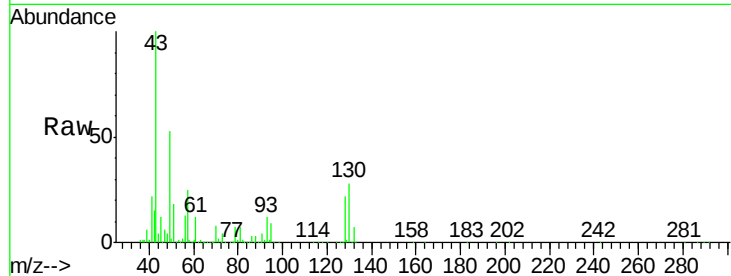
128 41.2 20.9 62.8

130 52.2 27.0 81.0

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#2

Dichlorodifluoromethane

Concen: 11.020 ppbv

RT: 3.13 min Scan# 635

Delta R.T. -0.00 min

Lab File: VL032257.D

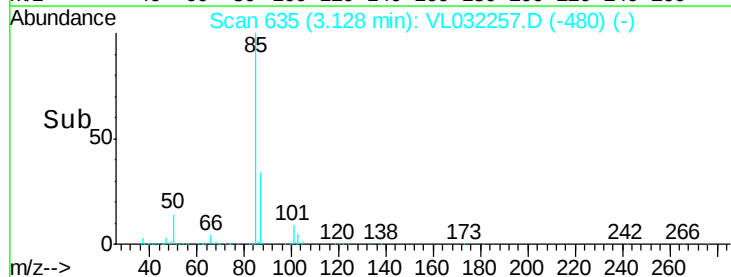
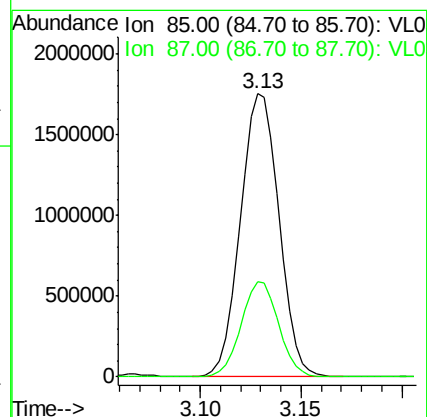
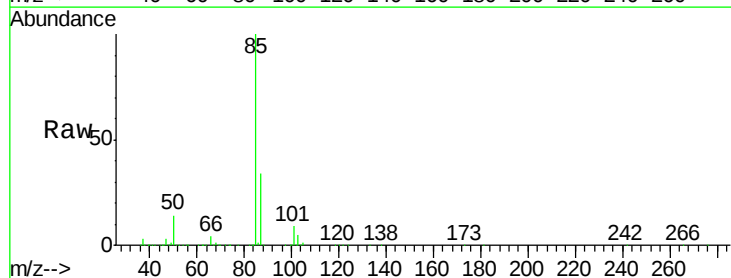
Acq: 13 Jul 2018 22:48

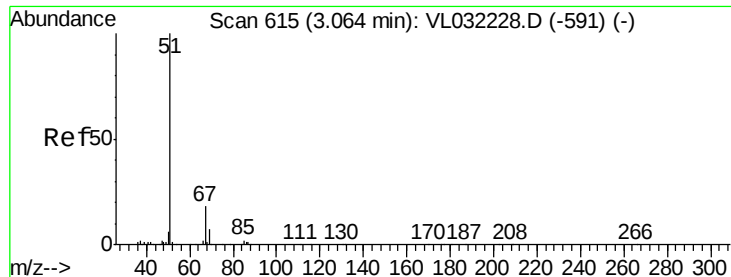
Tgt Ion: 85 Resp: 2354650

Ion Ratio Lower Upper

85 100

87 33.6 25.8 38.6





#3

Chlorodifluoromethane

Concen: 9.291 ppbv

RT: 3.07 min Scan# 616

Delta R.T. 0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 51 Resp: 1694528

Ion Ratio Lower Upper

51 100

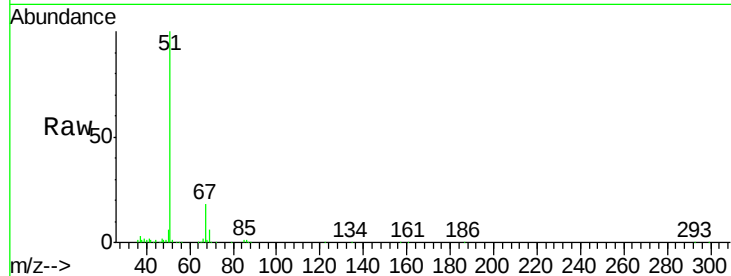
67 17.8 14.6 22.0

Manual Integrations

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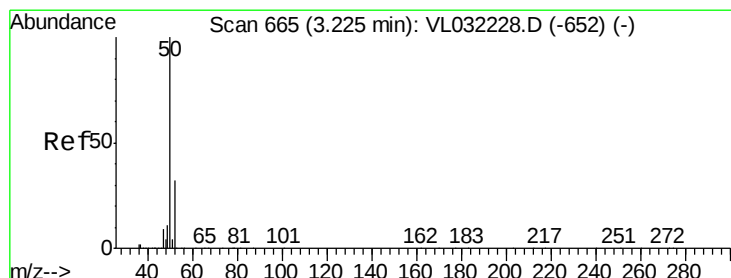
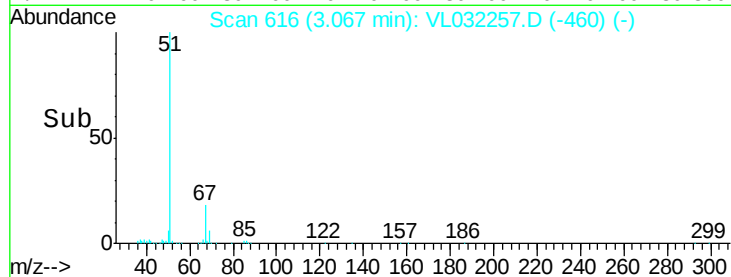
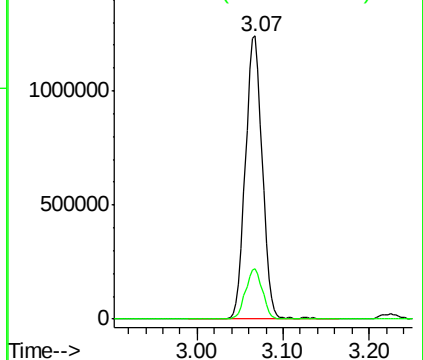
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.213 ppbv

RT: 3.22 min Scan# 665

Delta R.T. -0.00 min

Lab File: VL032257.D

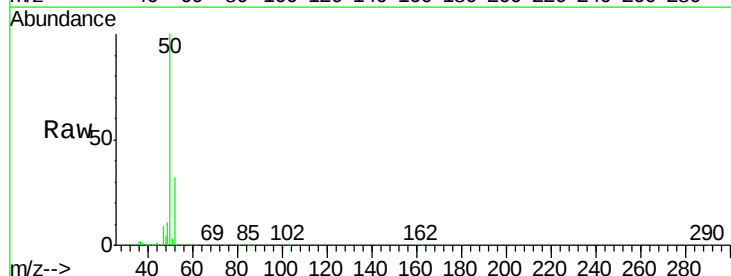
Acq: 13 Jul 2018 22:48

Tgt Ion: 50 Resp: 955823

Ion Ratio Lower Upper

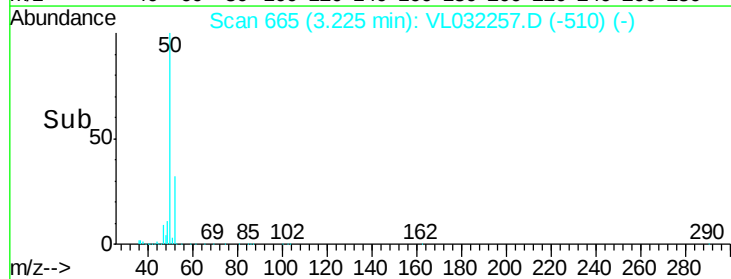
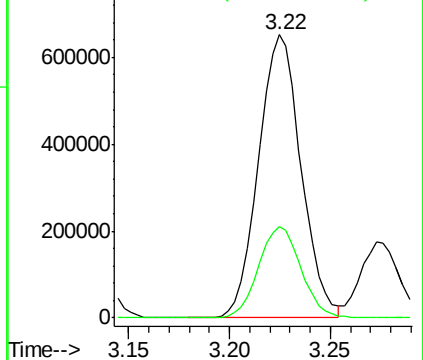
50 100

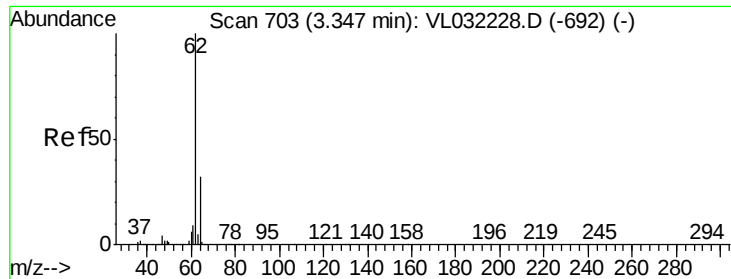
52 32.2 25.7 38.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.624 ppbv

RT: 3.35 min Scan# 703

Delta R.T. -0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 62 Resp: 881466

Ion Ratio Lower Upper

62 100

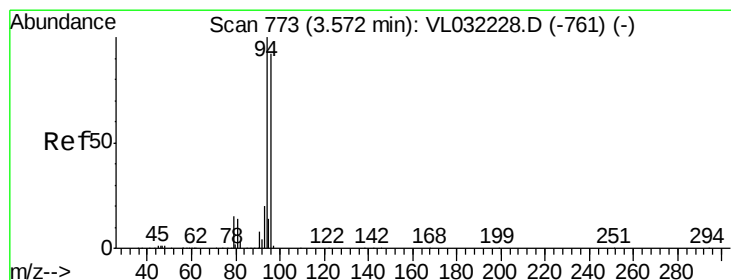
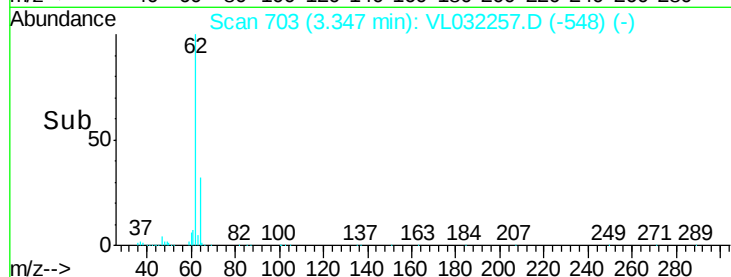
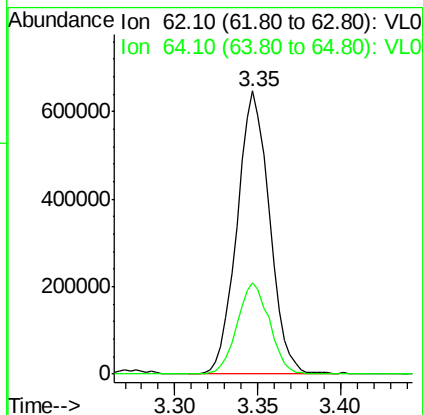
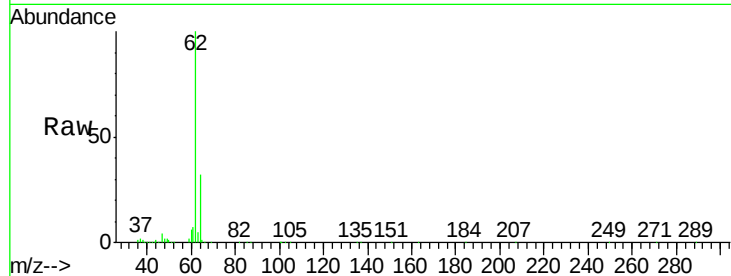
64 32.2 25.8 38.6

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#6

Bromomethane

Concen: 9.210 ppbv

RT: 3.57 min Scan# 773

Delta R.T. -0.00 min

Lab File: VL032257.D

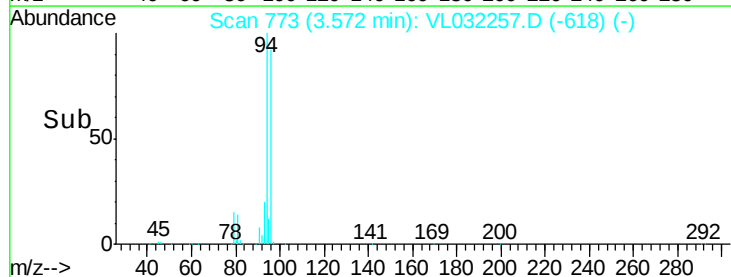
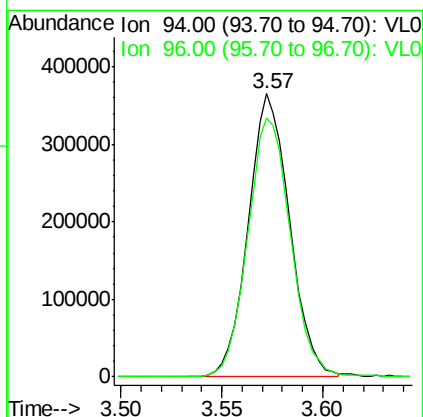
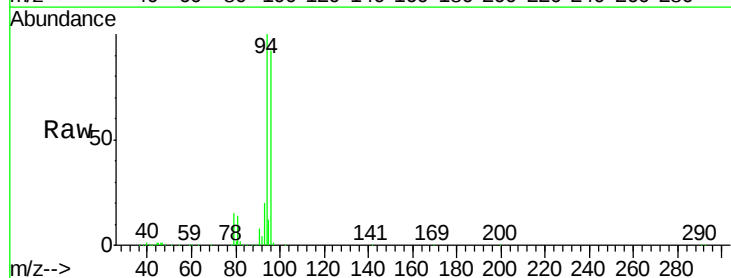
Acq: 13 Jul 2018 22:48

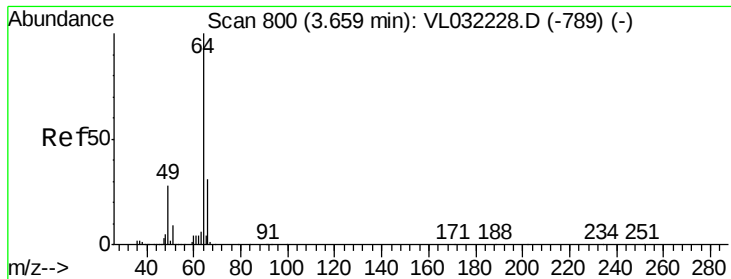
Tgt Ion: 94 Resp: 524104

Ion Ratio Lower Upper

94 100

96 91.5 73.5 110.3





#7

Chloroethane

Concen: 9.814 ppbv

RT: 3.66 min Scan# 800

Delta R.T. -0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 64 Resp: 345465

Ion Ratio Lower Upper

64 100

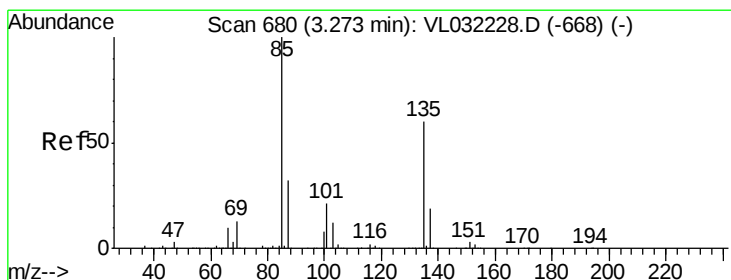
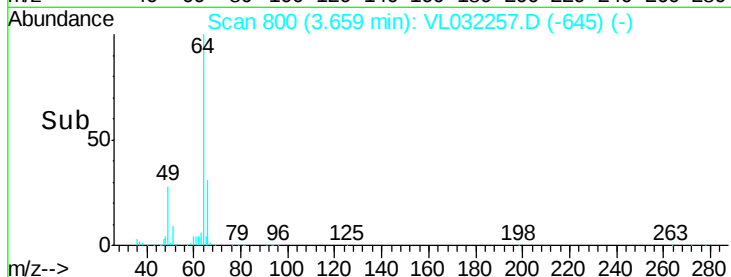
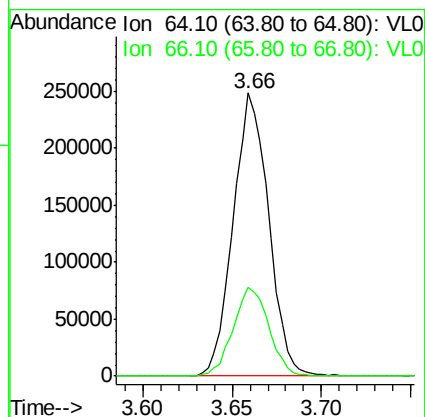
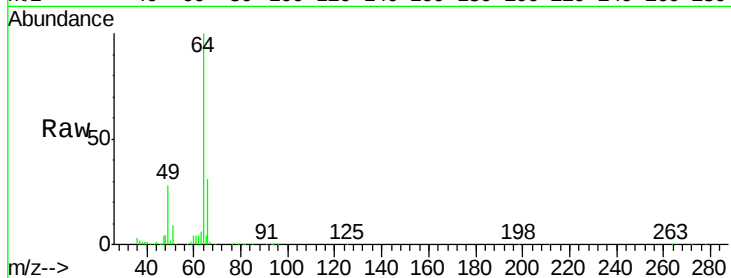
66 31.5 24.4 36.6

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#8

Dichlorotetrafluoroethane

Concen: 8.147 ppbv

RT: 3.28 min Scan# 681

Delta R.T. 0.00 min

Lab File: VL032257.D

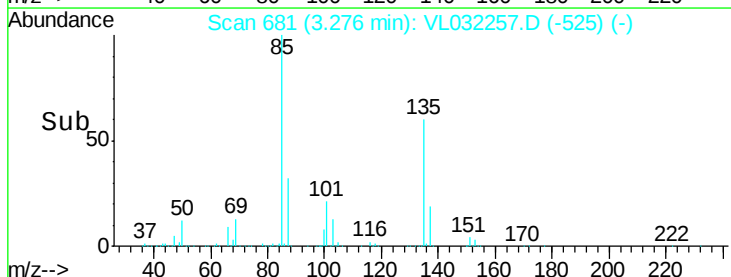
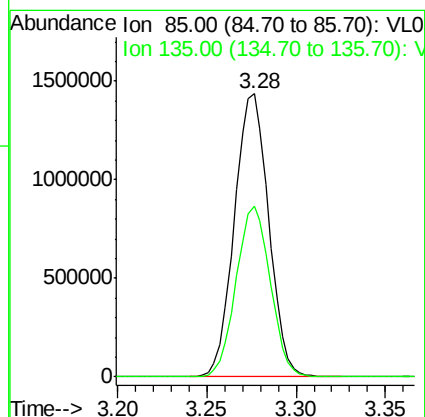
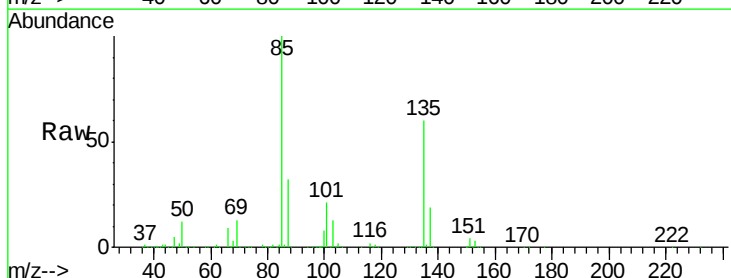
Acq: 13 Jul 2018 22:48

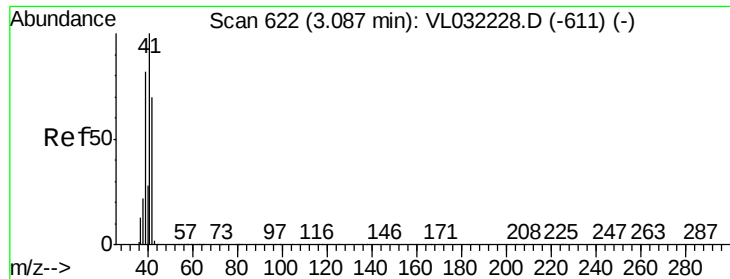
Tgt Ion: 85 Resp: 1911987

Ion Ratio Lower Upper

85 100

135 60.4 48.6 72.8





#9

Propene

Concen: 9.630 ppbv

RT: 3.09 min Scan# 622

Delta R.T. -0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

Instrument :

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ClientSampleId :

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Tgt Ion: 41 Resp: 748679

Ion Ratio Lower Upper

41 100

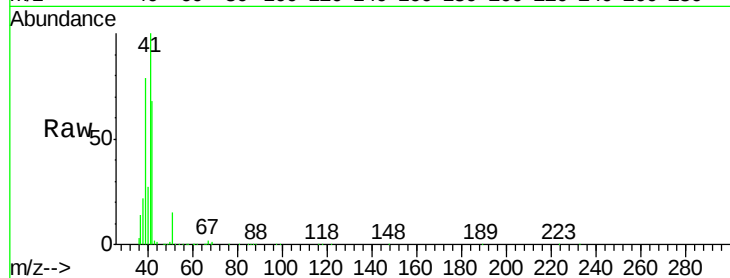
42 71.8 56.2 84.4

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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.09

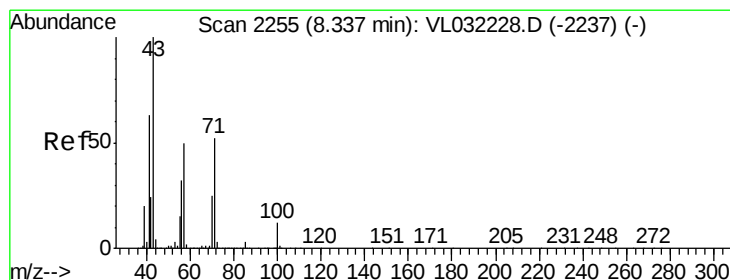
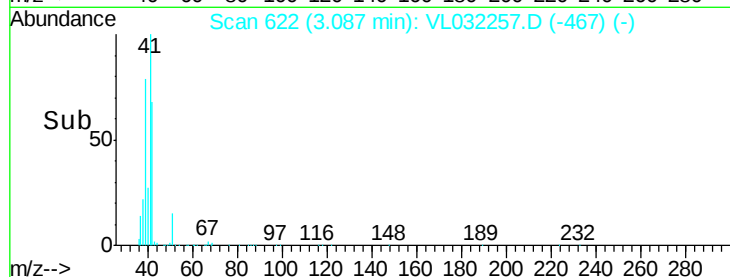
600000

400000

200000

0

Time-->



#10

Heptane

Concen: 10.402 ppbv

RT: 8.34 min Scan# 2255

Delta R.T. -0.00 min

Lab File: VL032257.D

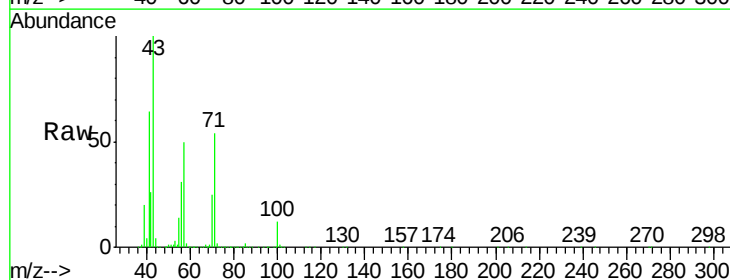
Acq: 13 Jul 2018 22:48

Tgt Ion: 43 Resp: 2296625

Ion Ratio Lower Upper

43 100

57 50.0 40.7 61.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.34

1200000

1000000

800000

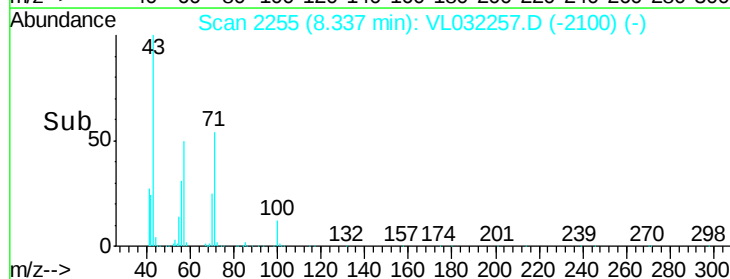
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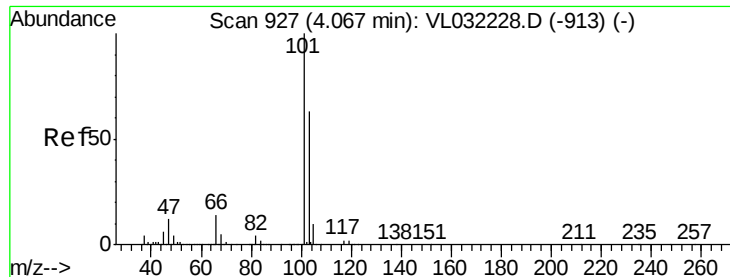
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200000

0

Time-->





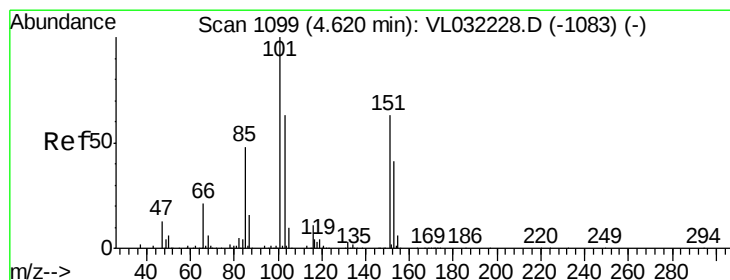
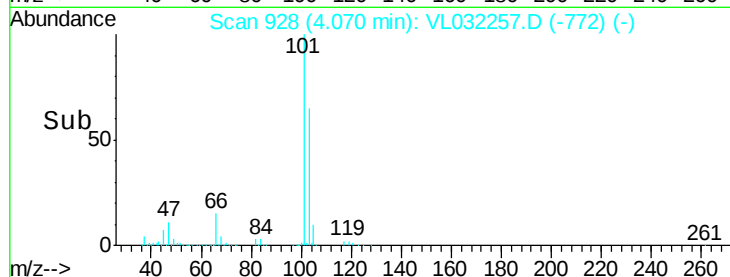
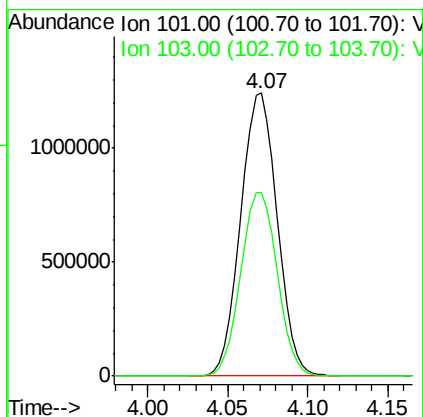
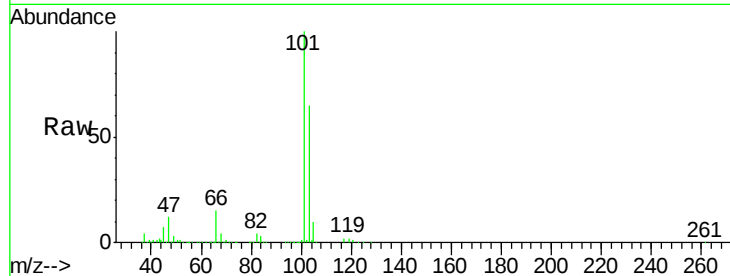
#11
 Trichlorofluoromethane
 Concen: 9.433 ppbv
 RT: 4.07 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VL032257.D
 Acq: 13 Jul 2018 22:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:101 Resp: 1928180
 Ion Ratio Lower Upper
 101 100
 103 64.8 50.2 75.2

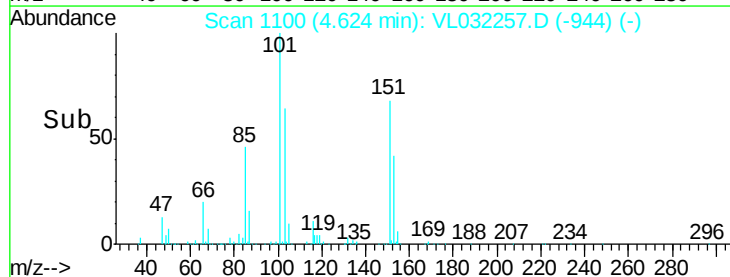
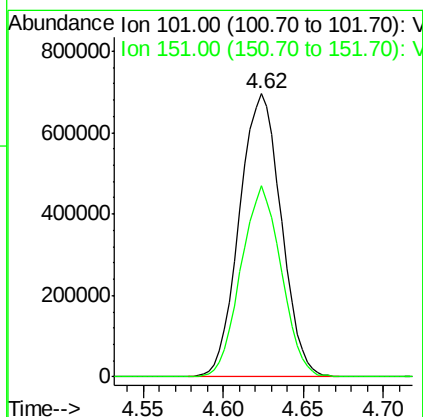
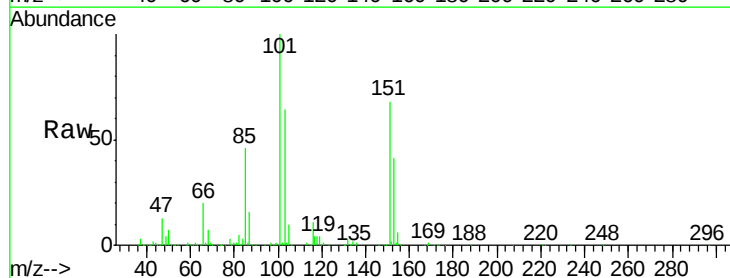
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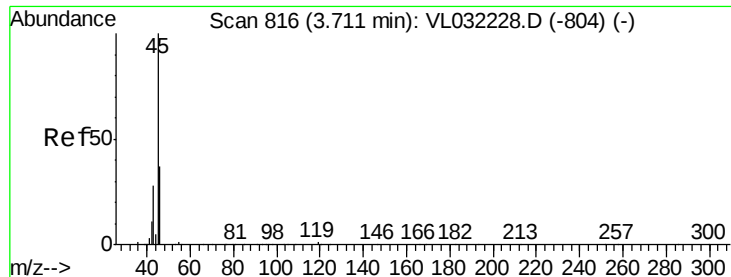
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.476 ppbv
 RT: 4.62 min Scan# 1100
 Delta R.T. 0.00 min
 Lab File: VL032257.D
 Acq: 13 Jul 2018 22:48

Tgt Ion:101 Resp: 1237220
 Ion Ratio Lower Upper
 101 100
 151 65.5 52.2 78.2





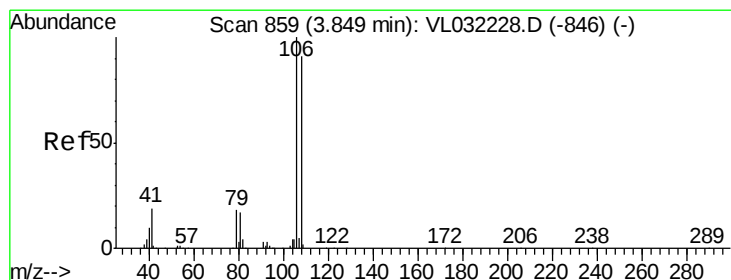
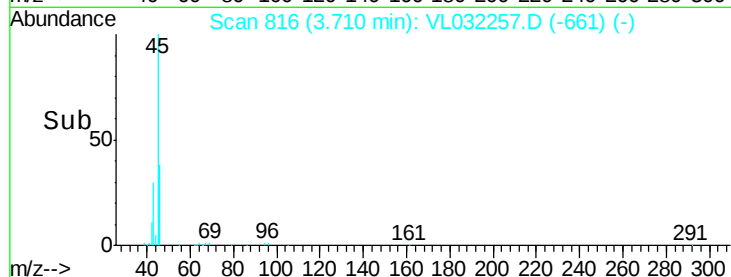
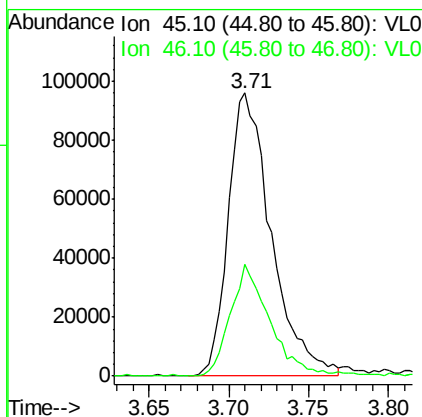
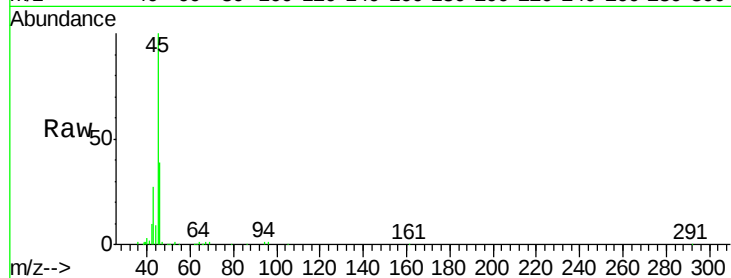
#13
Ethanol
Concen: 7.858 ppbv
RT: 3.71 min Scan# 816
Delta R.T. -0.00 min
Lab File: VL032257.D
Acq: 13 Jul 2018 22:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 176340
Ion Ratio Lower Upper
45 100
46 36.4 15.5 61.9

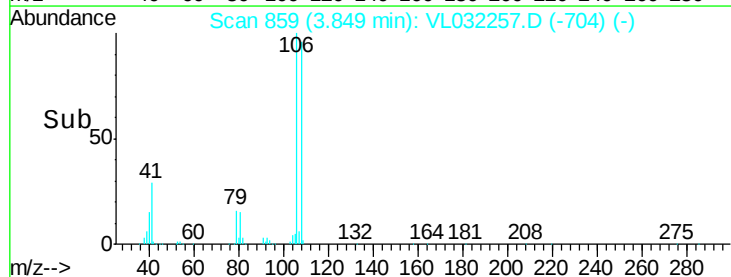
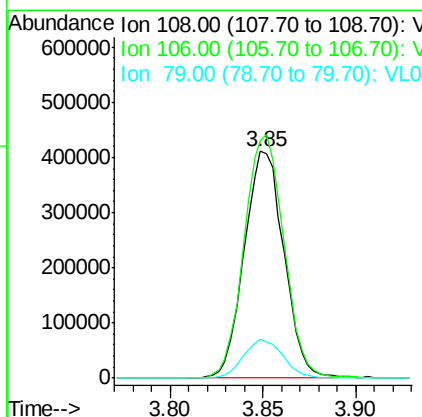
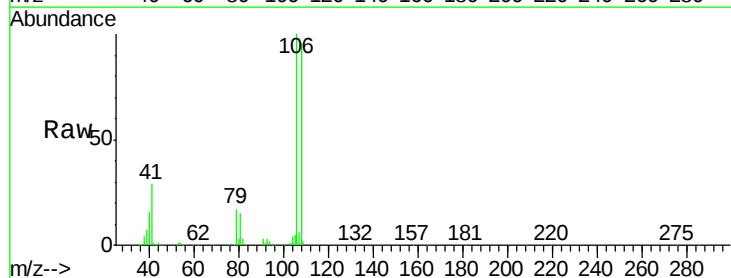
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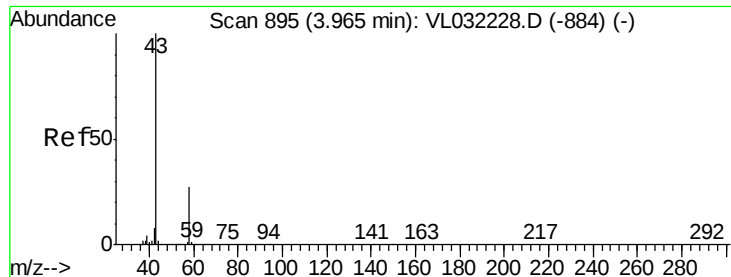
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#14
Bromoethene
Concen: 9.910 ppbv
RT: 3.85 min Scan# 859
Delta R.T. -0.00 min
Lab File: VL032257.D
Acq: 13 Jul 2018 22:48

Tgt Ion: 108 Resp: 610403
Ion Ratio Lower Upper
108 100
106 108.3 85.5 128.3
79 17.3 14.2 21.4





#15

Acetone

Concen: 8.923 ppbv

RT: 3.97 min Scan# 896

Delta R.T. 0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1536679

Ion Ratio Lower Upper

43 100

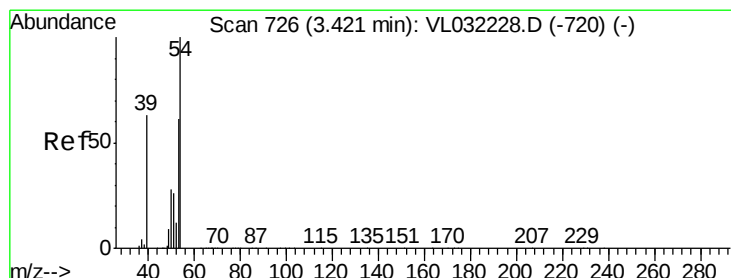
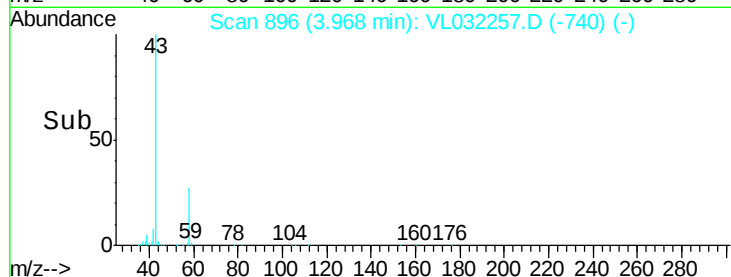
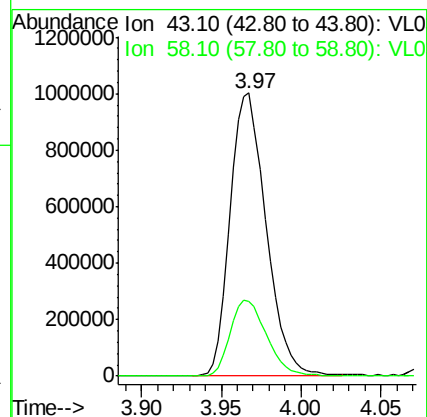
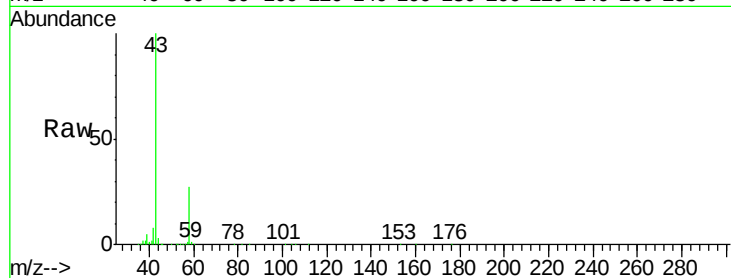
58 27.5 21.5 32.3

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#16

1,3-Butadiene

Concen: 12.975 ppbv

RT: 3.42 min Scan# 726

Delta R.T. -0.00 min

Lab File: VL032257.D

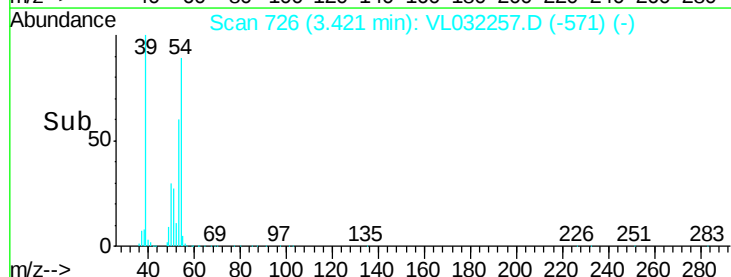
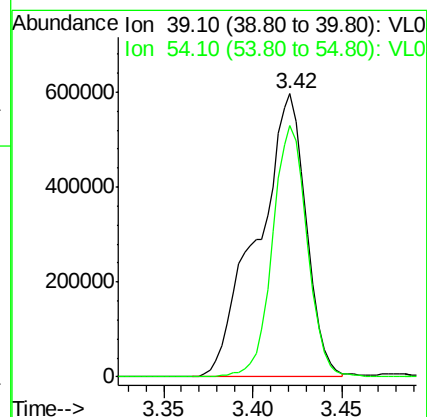
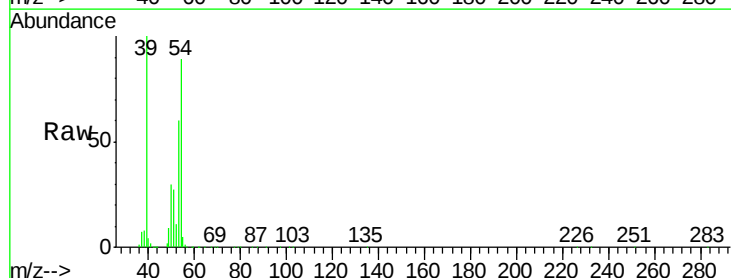
Acq: 13 Jul 2018 22:48

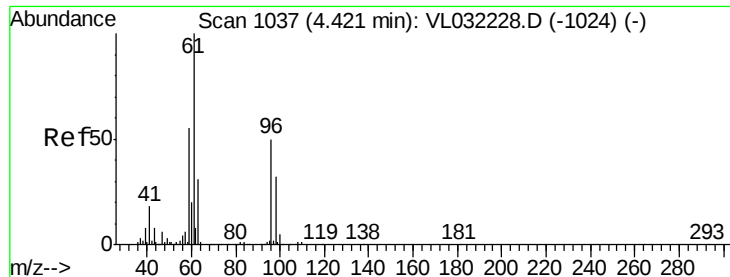
Tgt Ion: 39 Resp: 1129123

Ion Ratio Lower Upper

39 100

54 63.9 70.0 105.0#





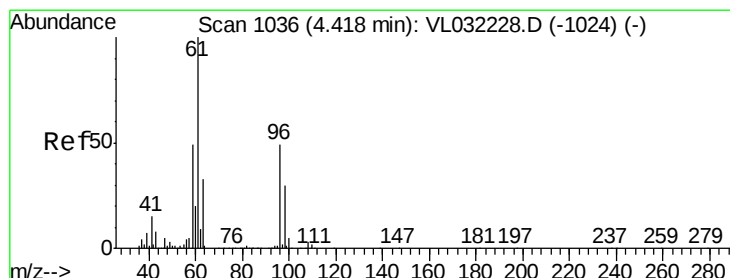
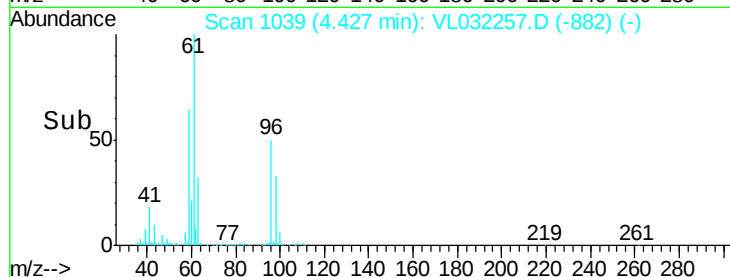
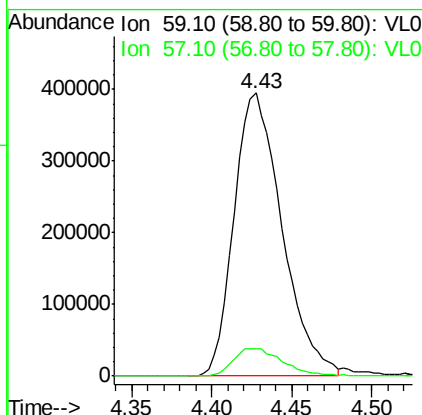
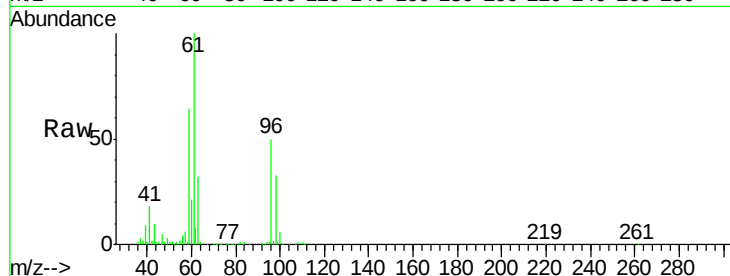
#17
 tert-Butyl alcohol
 Concen: 10.044 ppbv
 RT: 4.43 min Scan# 1039
 Delta R.T. 0.01 min
 Lab File: VL032257.D
 Acq: 13 Jul 2018 22:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 59 Resp: 807677
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.4 12.6

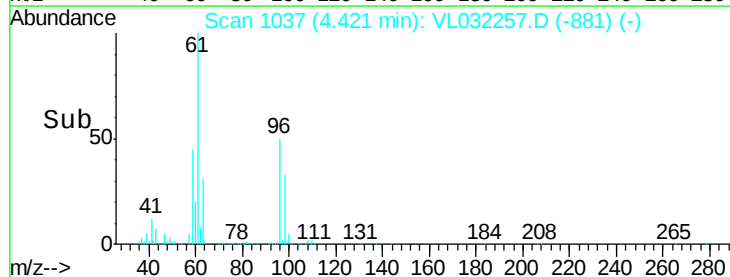
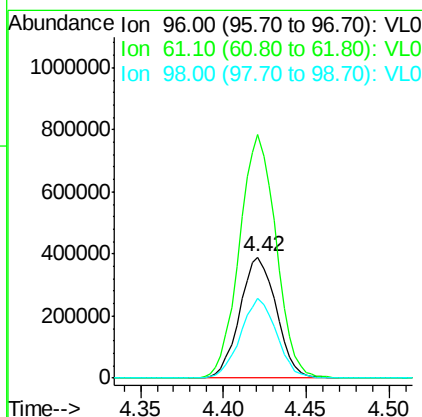
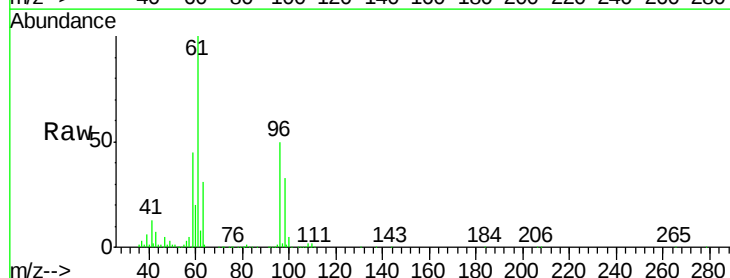
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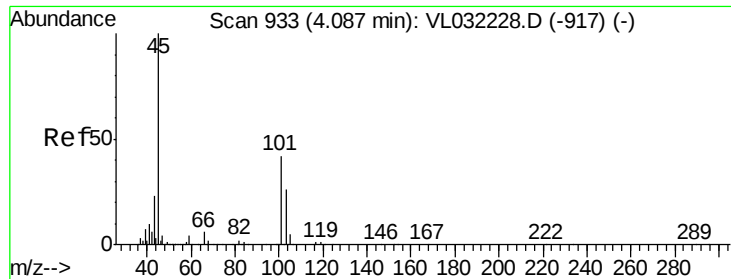
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#18
 1,1-Dichloroethene
 Concen: 9.856 ppbv
 RT: 4.42 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VL032257.D
 Acq: 13 Jul 2018 22:48

Tgt Ion: 96 Resp: 598856
 Ion Ratio Lower Upper
 96 100
 61 201.6 163.0 244.4
 98 66.0 48.5 72.7





#19

Isopropyl Alcohol

Concen: 9.776 ppbv

RT: 4.09 min Scan# 934

Delta R.T. 0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

Tgt Ion: 45 Resp: 1105539

Ion Ratio Lower Upper

45 100

58 1.5 1.3 1.9

Instrument :

MSVOA_L

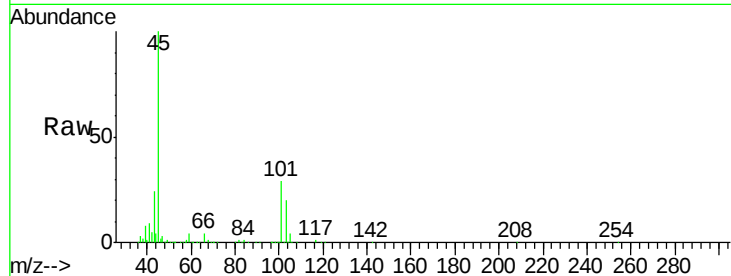
ClientSampleId :

VSTDCCC010EC

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.09

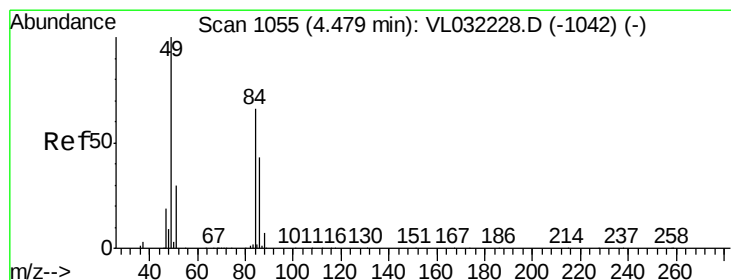
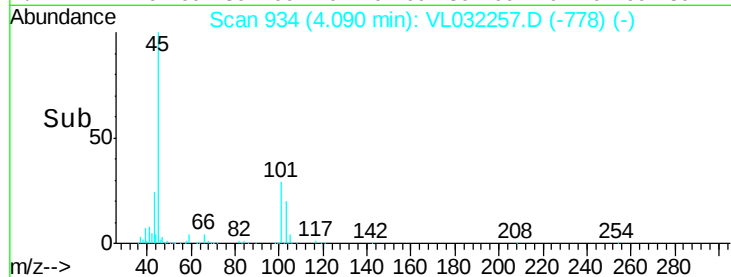
600000

400000

200000

0

Time-->



#20

Methylene Chloride

Concen: 9.222 ppbv

RT: 4.48 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

Tgt Ion: 84 Resp: 538220

Ion Ratio Lower Upper

84 100

49 153.3 121.8 182.6

51 46.1 36.3 54.5

86 62.7 52.1 78.1

Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

800000

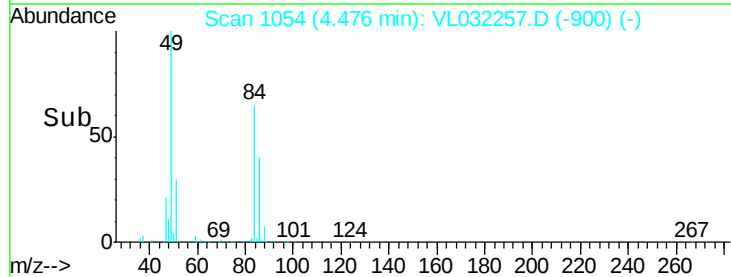
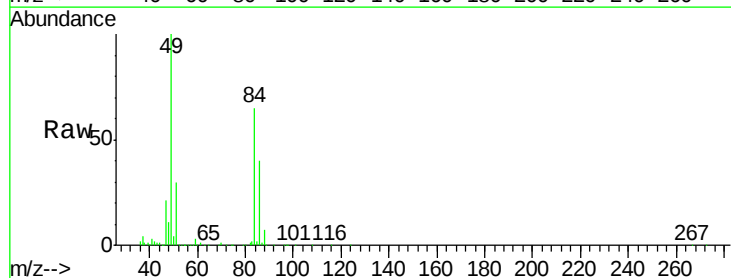
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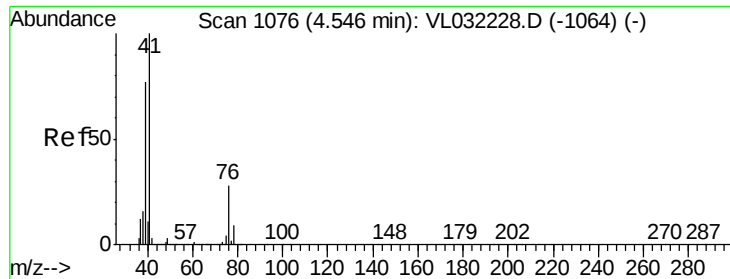
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Time-->





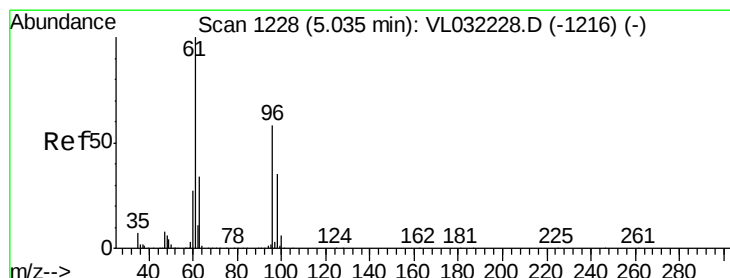
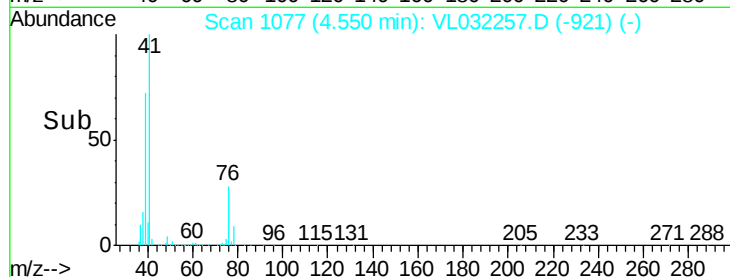
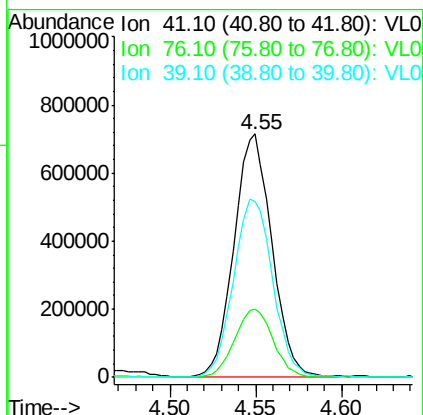
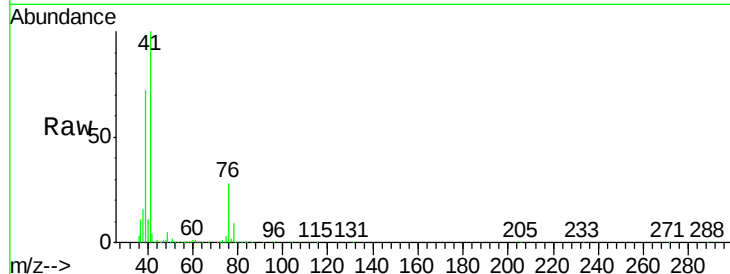
#21
 Allyl Chloride
 Concen: 10.737 ppbv
 RT: 4.55 min Scan# 1077
 Delta R.T. 0.00 min
 Lab File: VL032257.D
 Acq: 13 Jul 2018 22:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
41	100		
76	28.7	22.9	34.3
39	76.3	62.3	93.5

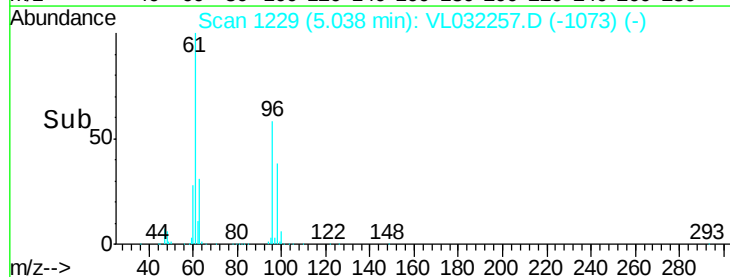
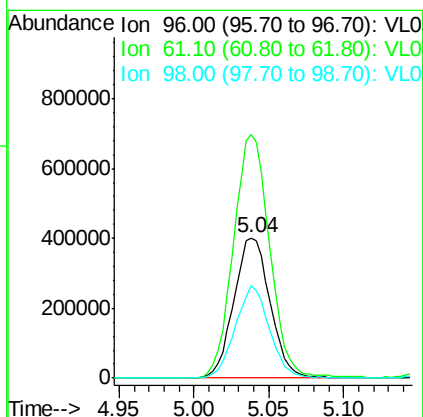
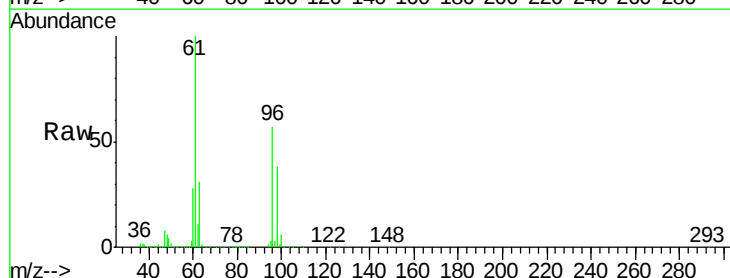
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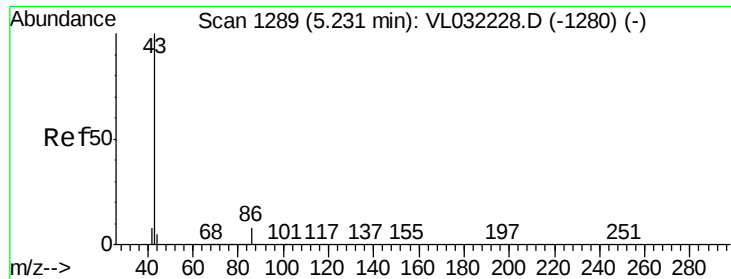
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#22
 trans-1,2-Dichloroethene
 Concen: 11.719 ppbv
 RT: 5.04 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VL032257.D
 Acq: 13 Jul 2018 22:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.7	139.1	208.7
98	66.2	48.4	72.6





#23
 Vinyl Acetate
 Concen: 10.575 ppbv
 RT: 5.23 min Scan# 1289
 Delta R.T. -0.00 min
 Lab File: VL032257.D
 Acq: 13 Jul 2018 22:48

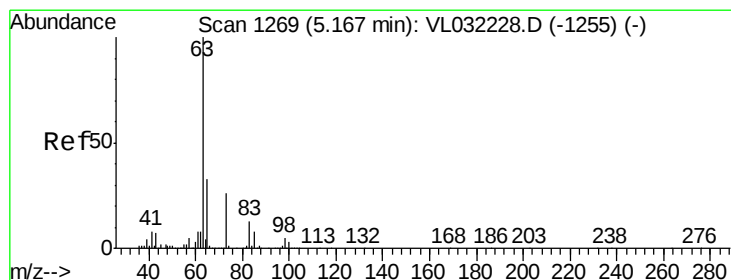
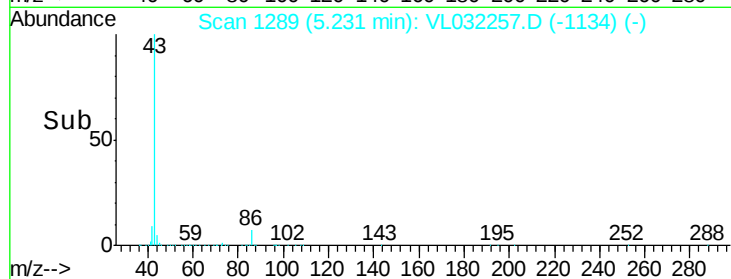
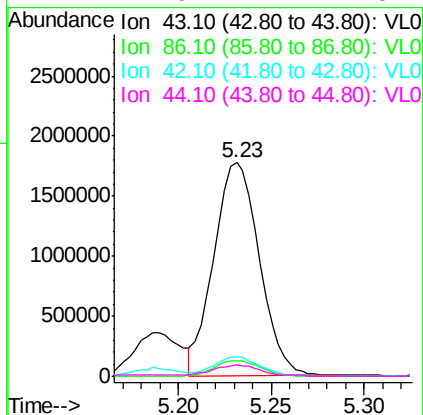
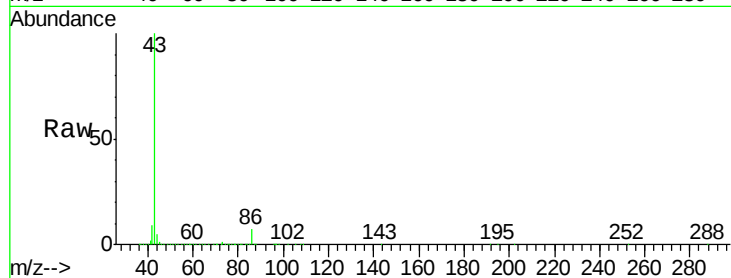
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 43 Resp: 3028953

Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.9	8.9
42	8.9	7.0	10.6
44	4.9	4.2	6.2

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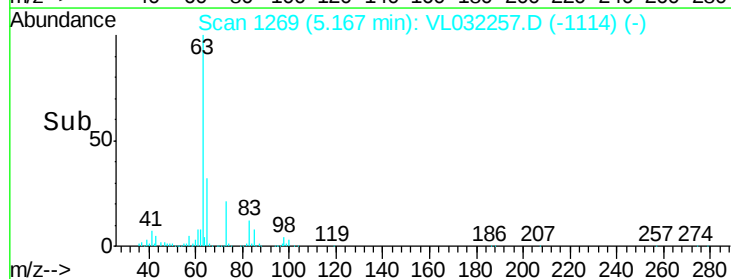
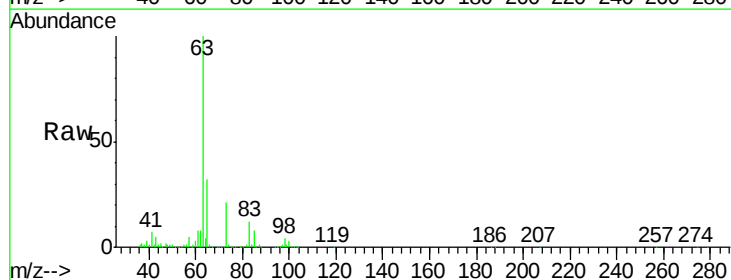
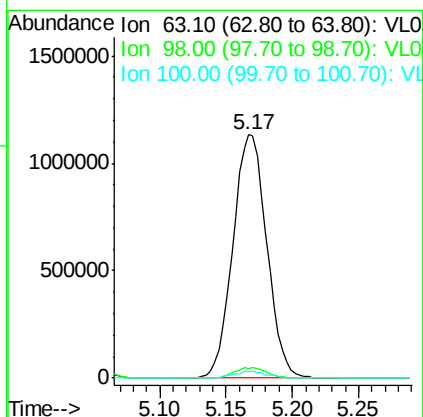
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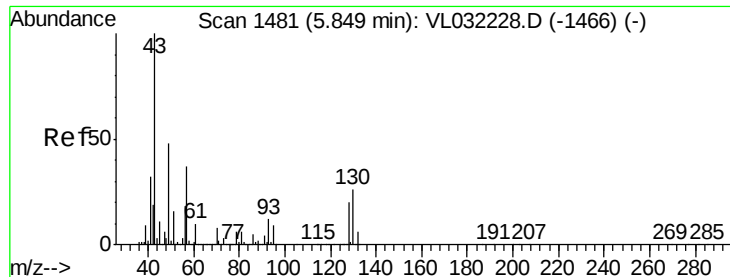


#24
 1,1-Dichloroethane
 Concen: 9.934 ppbv
 RT: 5.17 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VL032257.D
 Acq: 13 Jul 2018 22:48

Tgt Ion: 63 Resp: 1997853

Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.4	7.1
100	3.0	1.5	4.4





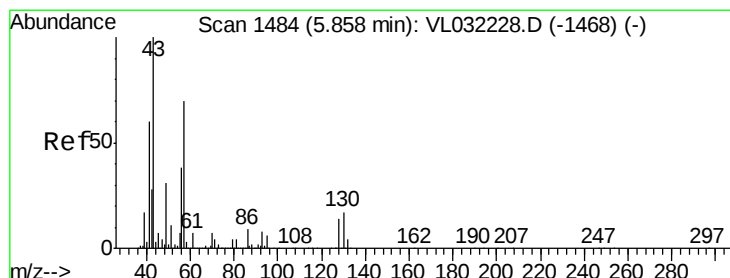
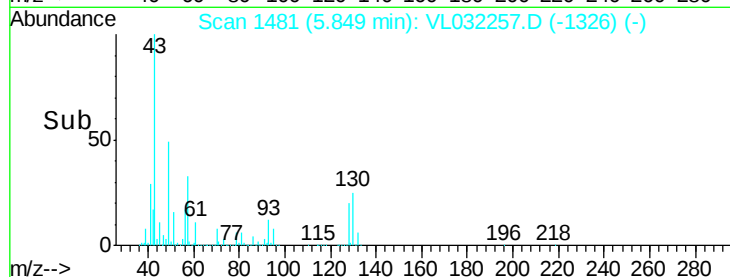
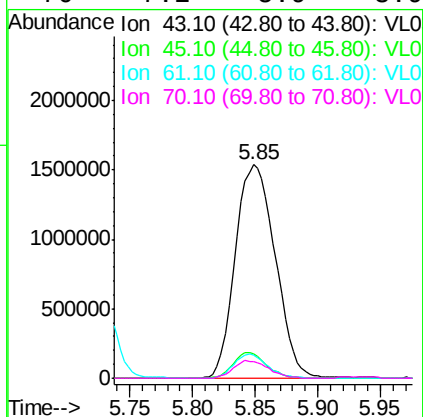
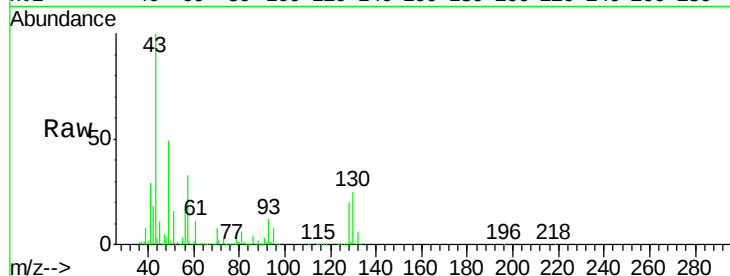
#25
Ethyl Acetate
Concen: 9.961 ppbv
RT: 5.85 min Scan# 1481
Delta R.T. -0.00 min
Lab File: VL032257.D
Acq: 13 Jul 2018 22:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 3394939
Ion Ratio Lower Upper
43 100
45 10.0 8.0 12.0
61 9.4 7.7 11.5
70 7.2 5.9 8.9

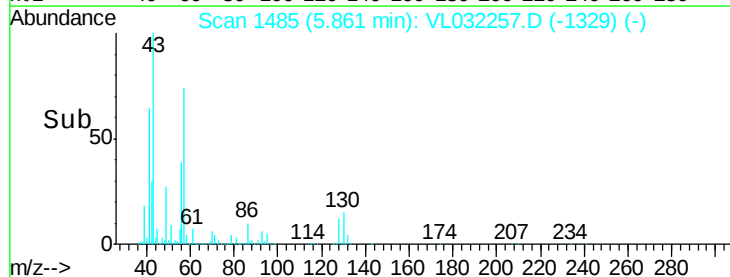
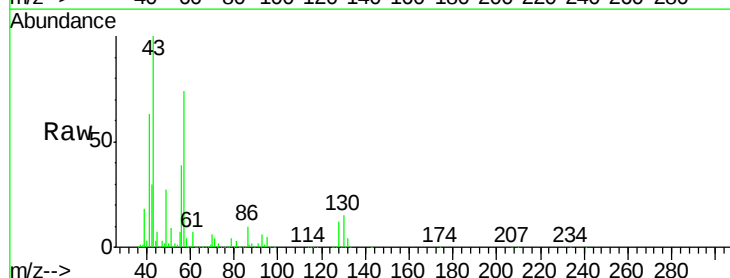
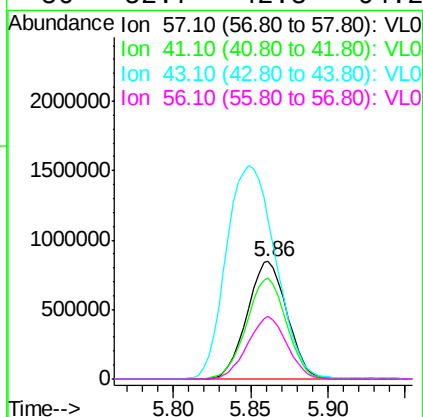
Manual Integrations
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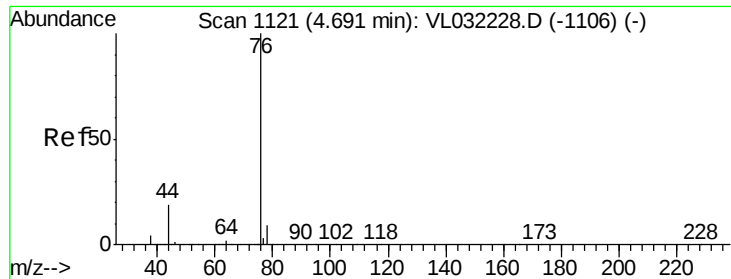
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#26
Hexane
Concen: 9.758 ppbv
RT: 5.86 min Scan# 1485
Delta R.T. 0.00 min
Lab File: VL032257.D
Acq: 13 Jul 2018 22:48

Tgt Ion: 57 Resp: 1516977
Ion Ratio Lower Upper
57 100
41 85.8 68.7 103.1
43 225.0 176.2 264.2
56 52.7 42.8 64.2





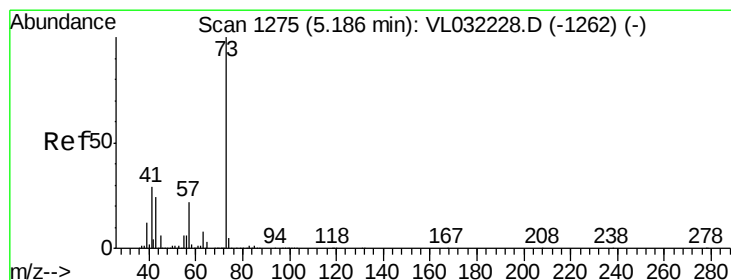
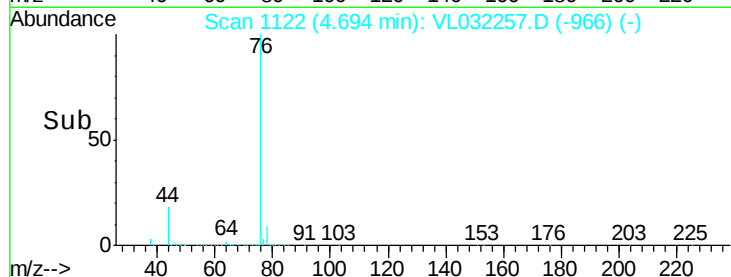
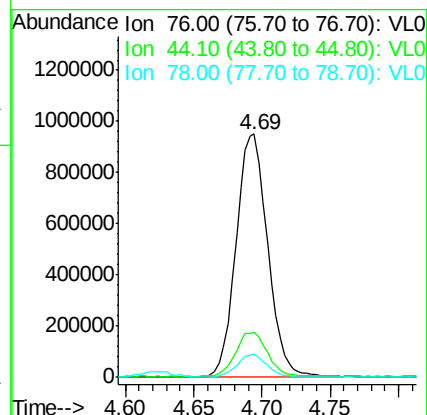
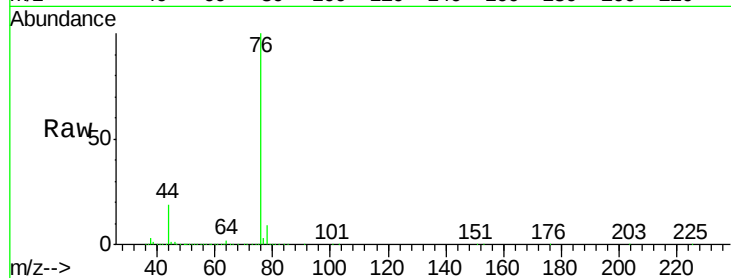
#27
Carbon Disulfide
Concen: 11.043 ppbv
RT: 4.69 min Scan# 1122
Delta R.T. 0.00 min
Lab File: VL032257.D
Acq: 13 Jul 2018 22:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 76 Resp: 1536060
Ion Ratio Lower Upper
76 100
44 19.0 15.1 22.7
78 9.1 7.4 11.0

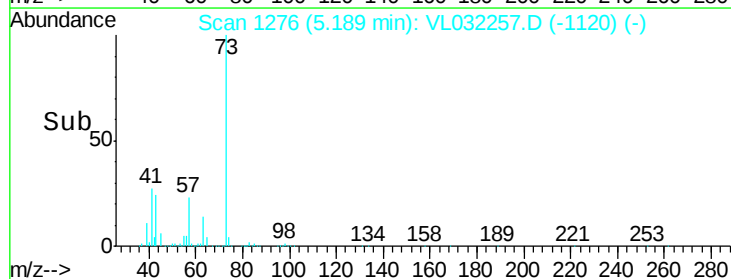
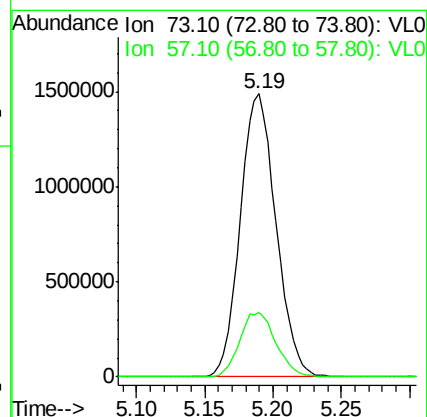
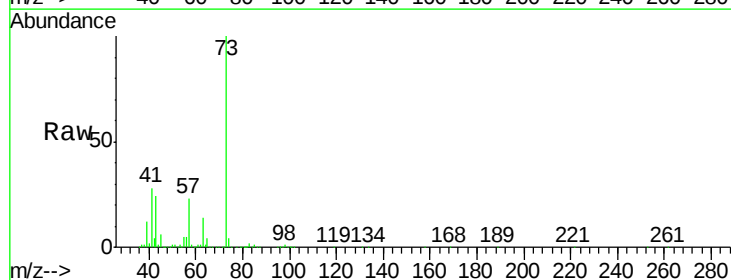
Manual Integrations
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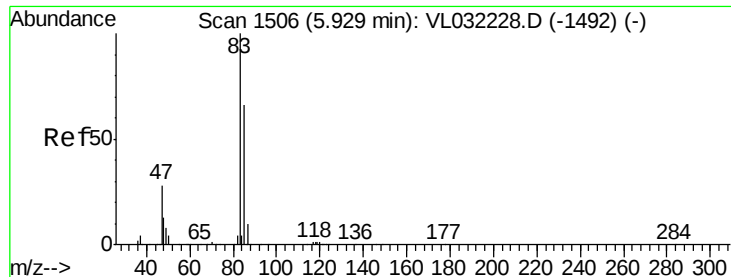
apatel
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#28
Methyl tert-Butyl Ether
Concen: 11.068 ppbv
RT: 5.19 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VL032257.D
Acq: 13 Jul 2018 22:48

Tgt Ion: 73 Resp: 2708192
Ion Ratio Lower Upper
73 100
57 23.4 18.6 27.8





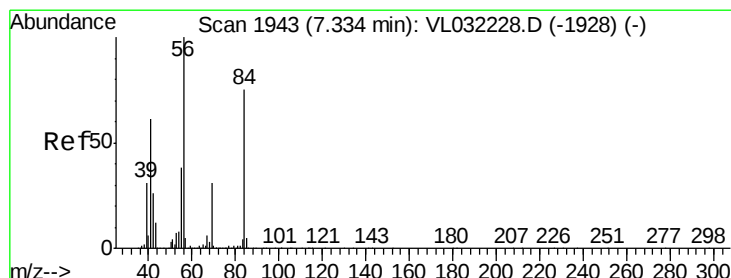
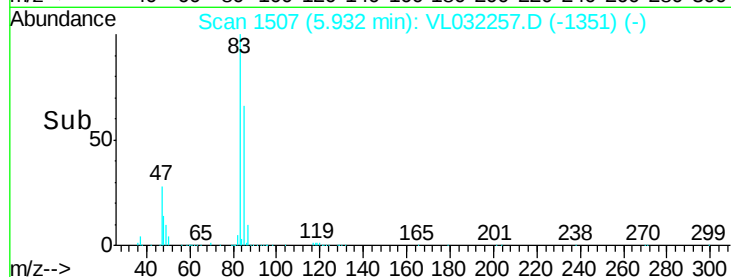
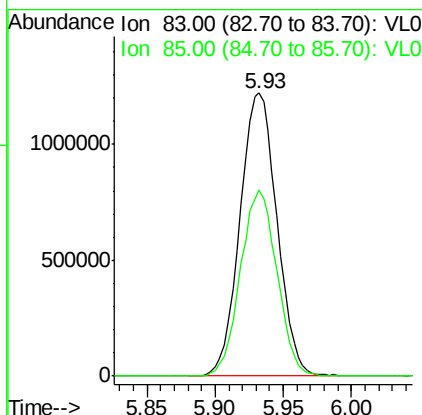
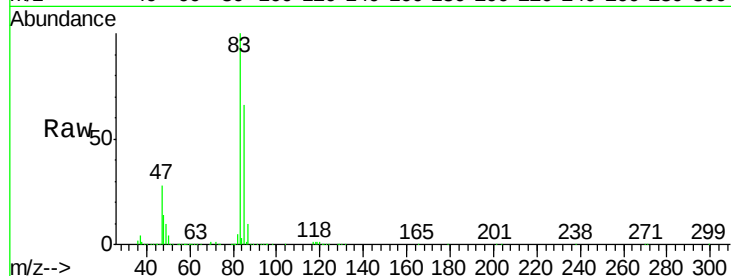
#29
Chloroform
Concen: 9.567 ppbv
RT: 5.93 min Scan# 1507
Delta R.T. 0.00 min
Lab File: VL032257.D
Acq: 13 Jul 2018 22:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 2296134
Ion Ratio Lower Upper
83 100
85 65.7 52.7 79.1

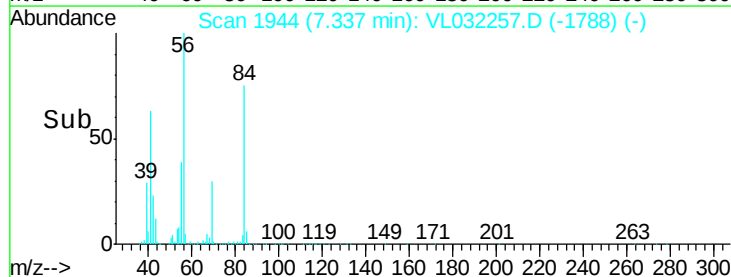
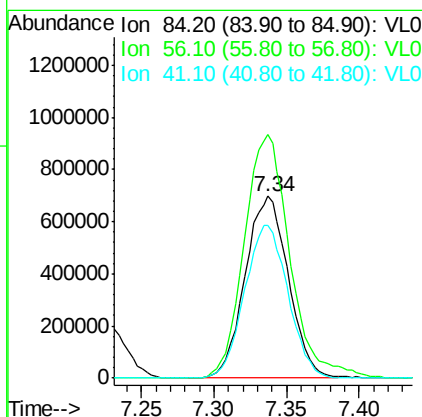
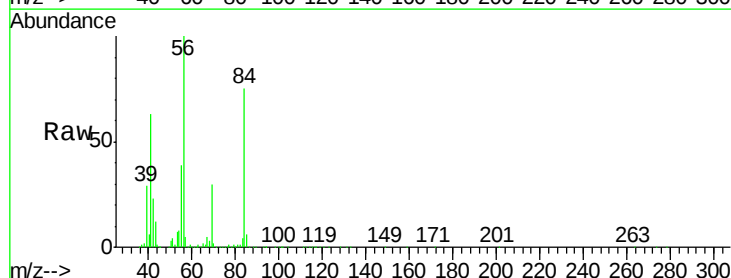
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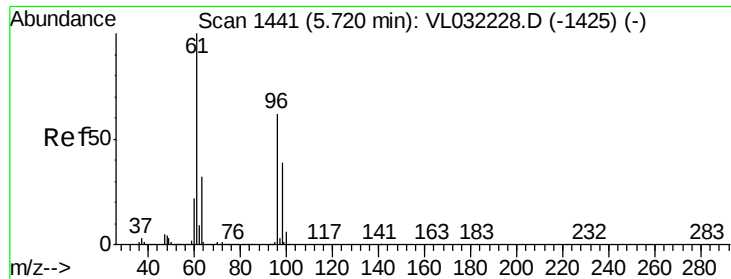
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#30
Cyclohexane
Concen: 10.518 ppbv
RT: 7.34 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VL032257.D
Acq: 13 Jul 2018 22:48

Tgt Ion: 84 Resp: 1442959
Ion Ratio Lower Upper
84 100
56 141.6 112.6 168.8
41 84.4 67.0 100.6





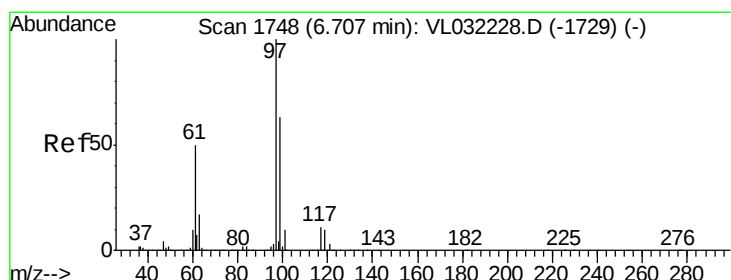
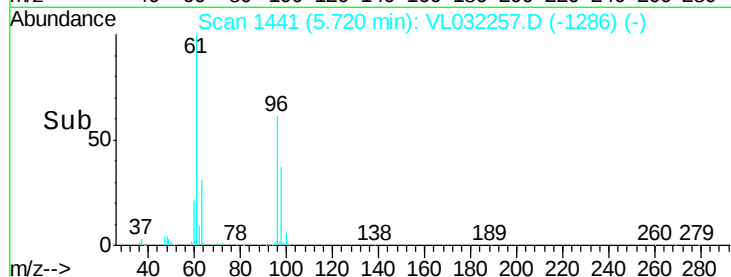
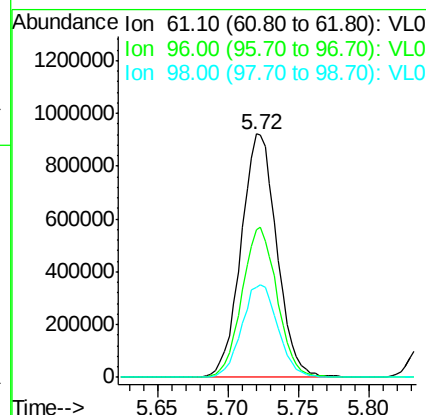
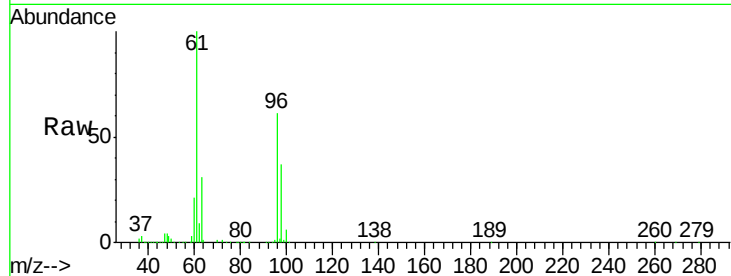
#31
 cis-1,2-Dichloroethene
 Concen: 10.530 ppbv
 RT: 5.72 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VL032257.D
 Acq: 13 Jul 2018 22:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
61	100		
96	60.7	49.8	74.8
98	37.0	31.4	47.2

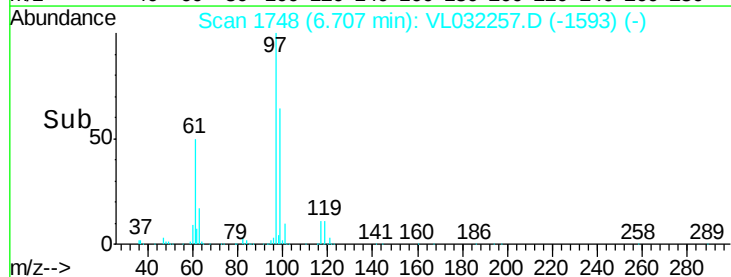
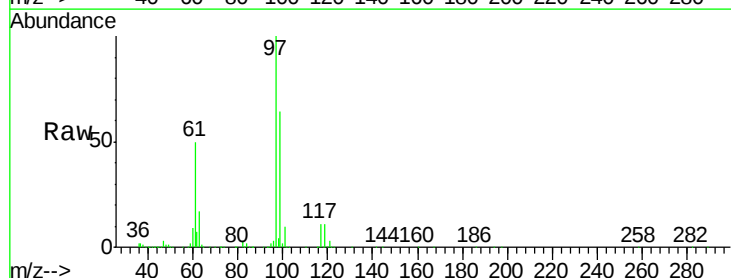
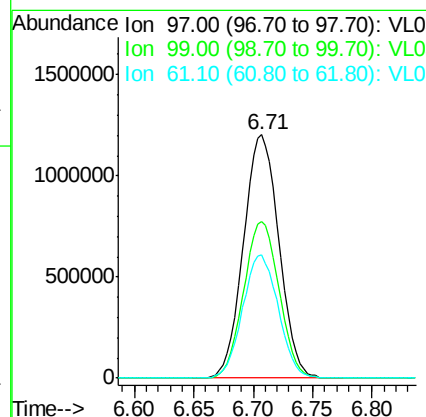
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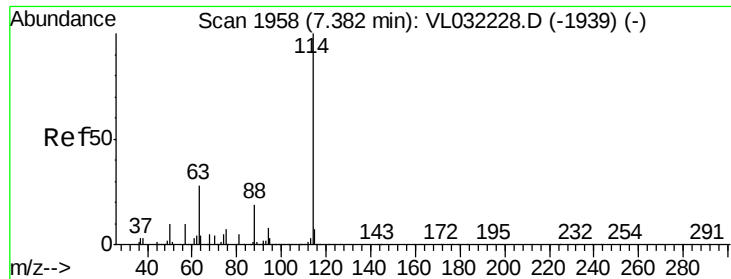
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#32
 1,1,1-Trichloroethane
 Concen: 10.671 ppbv
 RT: 6.71 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VL032257.D
 Acq: 13 Jul 2018 22:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.2	76.8
61	51.0	41.3	61.9





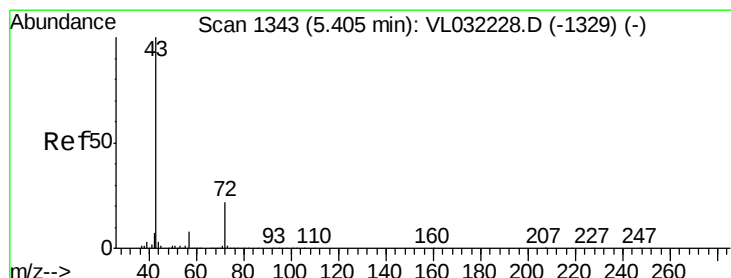
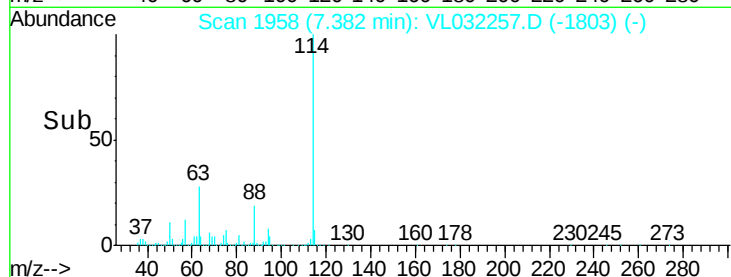
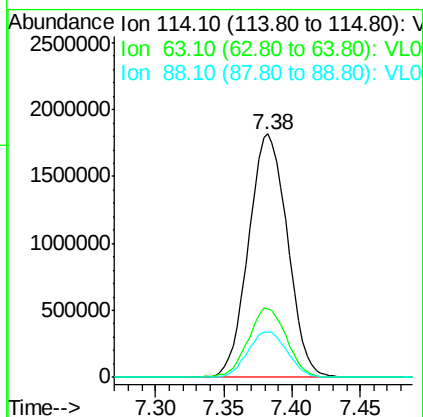
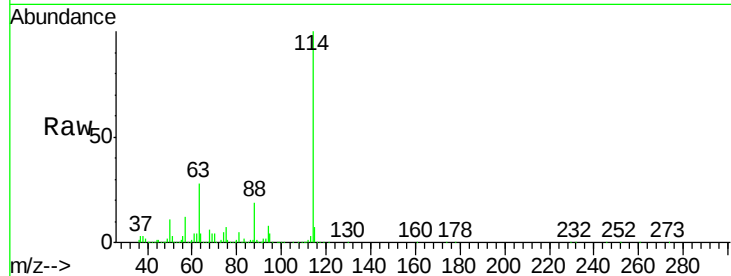
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.38 min Scan# 1958
 Delta R.T. -0.00 min
 Lab File: VL032257.D
 Acq: 13 Jul 2018 22:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 114 Resp: 3593069
 Ion Ratio Lower Upper
 114 100
 63 28.3 22.5 33.7
 88 19.1 15.4 23.0

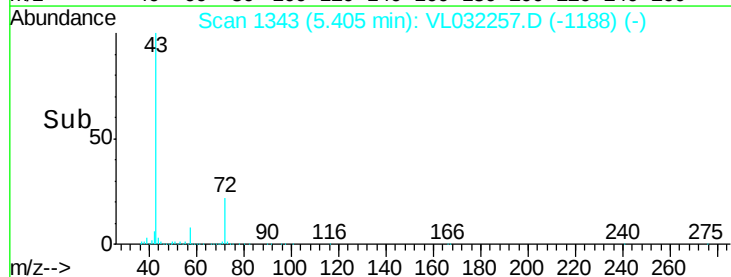
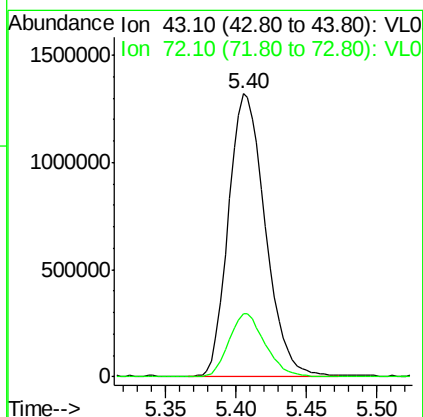
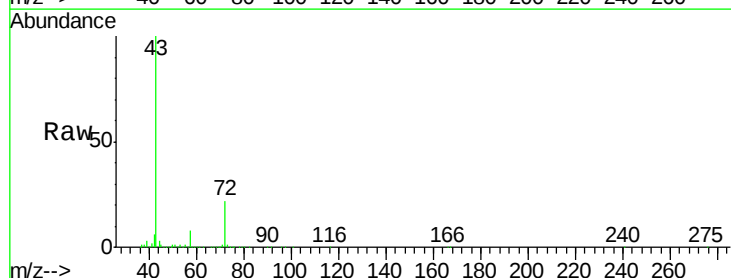
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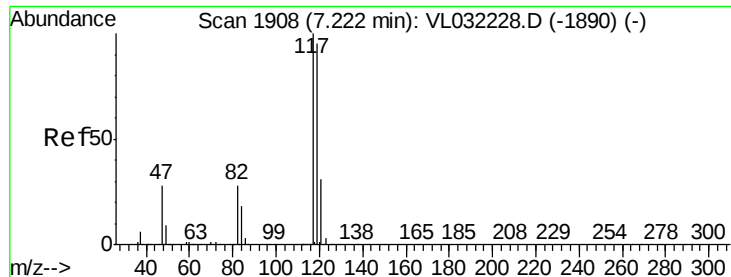
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#34
 2-Butanone
 Concen: 9.828 ppbv
 RT: 5.40 min Scan# 1343
 Delta R.T. -0.00 min
 Lab File: VL032257.D
 Acq: 13 Jul 2018 22:48

Tgt Ion: 43 Resp: 2405939
 Ion Ratio Lower Upper
 43 100
 72 22.2 18.1 27.1





#35

Carbon Tetrachloride

Concen: 10.799 ppbv

RT: 7.22 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 117 Resp: 2625926

Ion Ratio Lower Upper

117 100

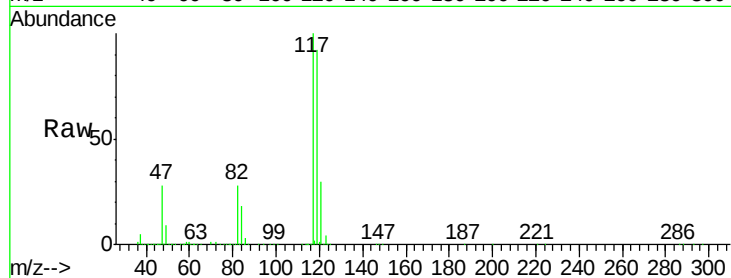
119 92.2 75.7 113.5

121 29.7 24.6 37.0

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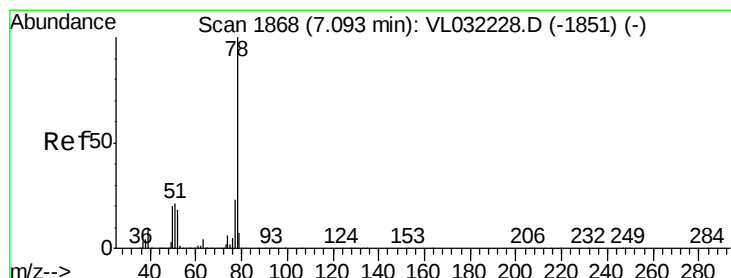
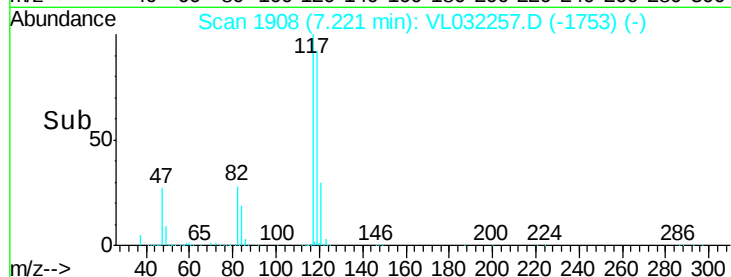
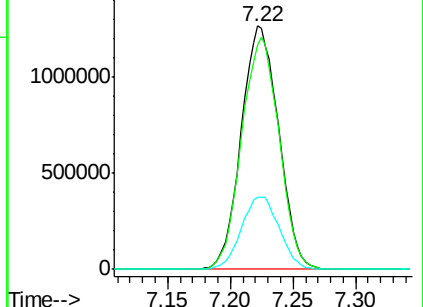
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.896 ppbv

RT: 7.09 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

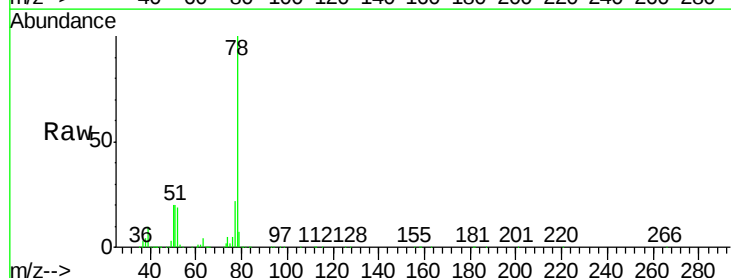
Tgt Ion: 78 Resp: 3533943

Ion Ratio Lower Upper

78 100

77 22.2 18.0 27.0

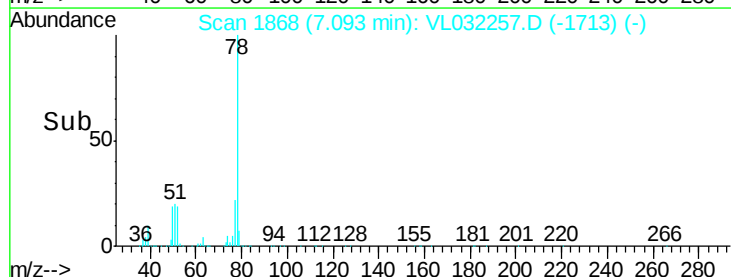
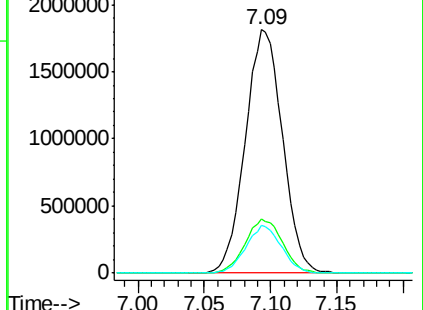
50 19.5 15.8 23.8

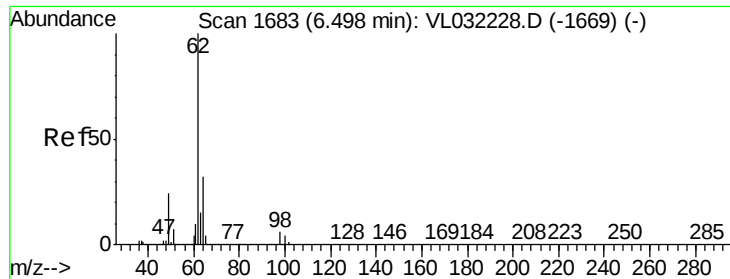


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





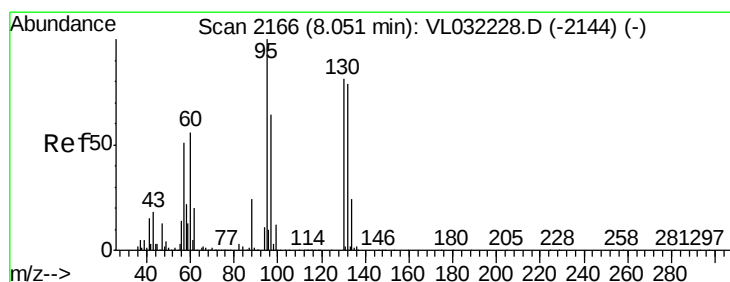
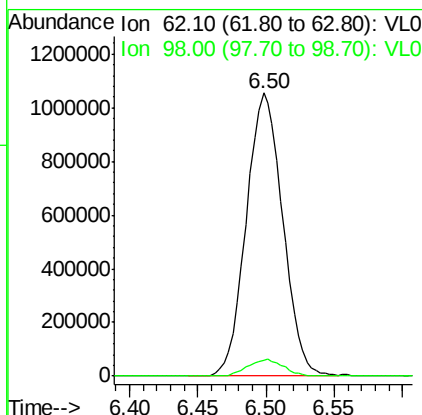
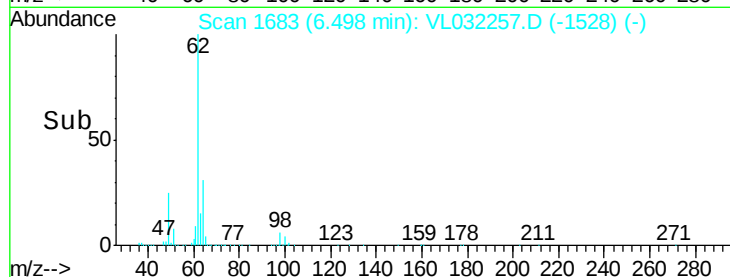
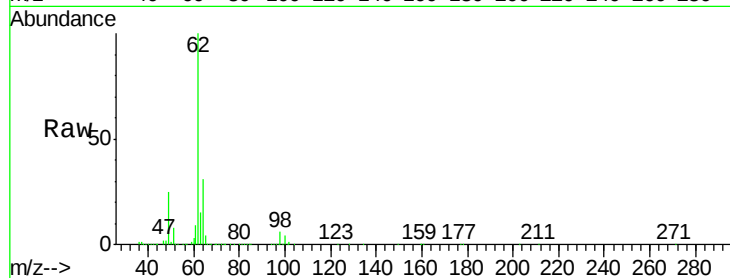
#37
 1,2-Dichloroethane
 Concen: 10.031 ppbv
 RT: 6.50 min Scan# 1683
 Delta R.T. -0.00 min
 Lab File: VL032257.D
 Acq: 13 Jul 2018 22:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 62 Resp: 1961125
 Ion Ratio Lower Upper
 62 100
 98 6.0 4.6 7.0

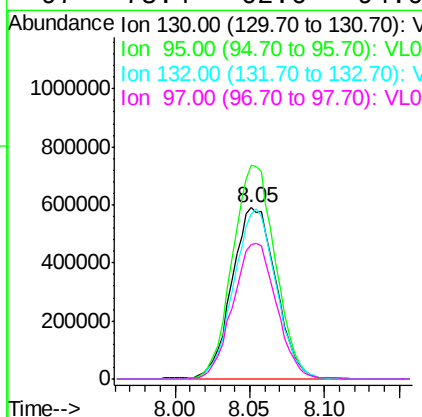
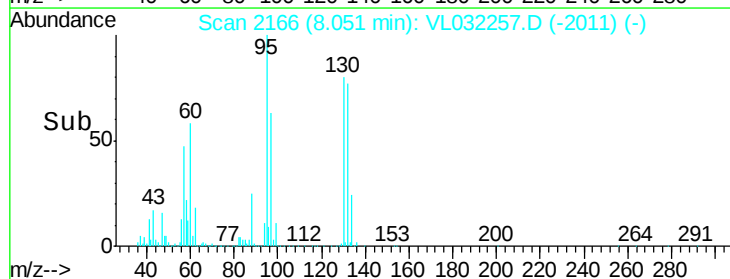
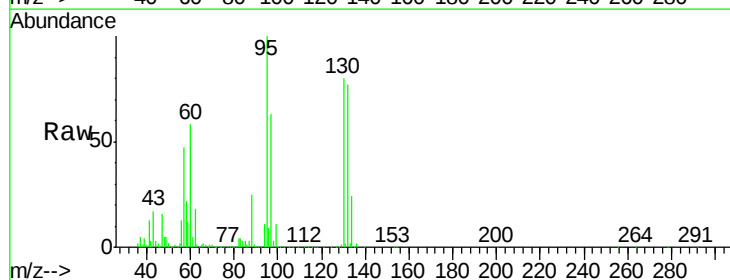
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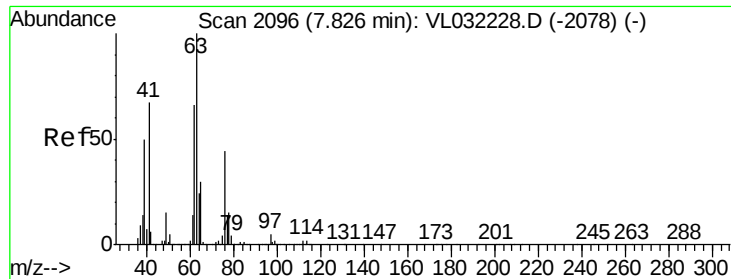
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#38
 Trichloroethene
 Concen: 9.798 ppbv
 RT: 8.05 min Scan# 2166
 Delta R.T. -0.00 min
 Lab File: VL032257.D
 Acq: 13 Jul 2018 22:48

Tgt Ion: 130 Resp: 1200123
 Ion Ratio Lower Upper
 130 100
 95 124.7 98.3 147.5
 132 96.2 78.1 117.1
 97 78.4 62.6 94.0





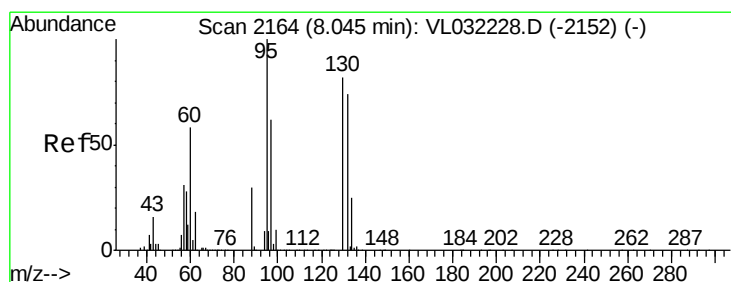
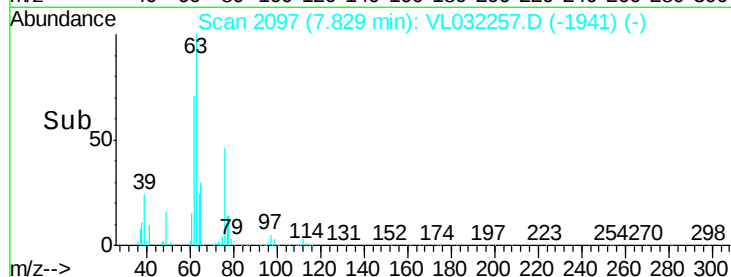
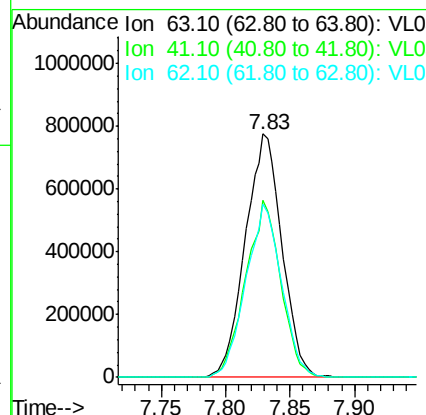
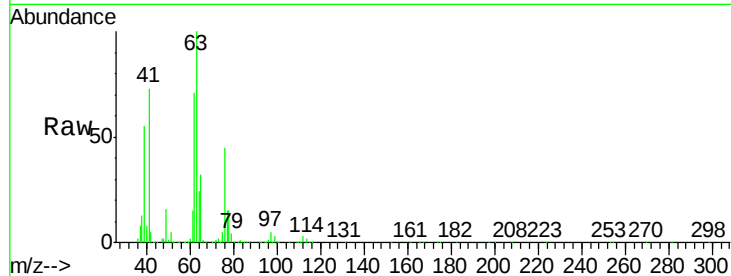
#39
 1,2-Dichloropropane
 Concen: 10.800 ppbv
 RT: 7.83 min Scan# 2097
 Delta R.T. 0.00 min
 Lab File: VL032257.D
 Acq: 13 Jul 2018 22:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 63 Resp: 1532615
 Ion Ratio Lower Upper
 63 100
 41 72.7 53.8 80.6
 62 71.0 53.1 79.7

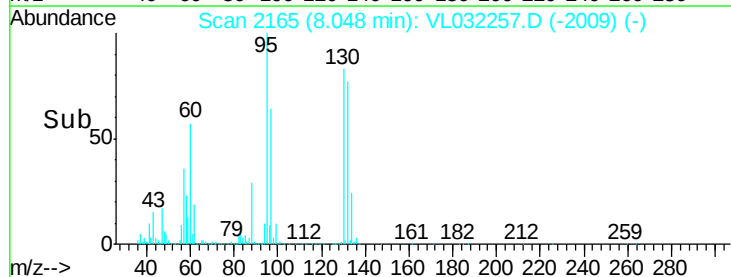
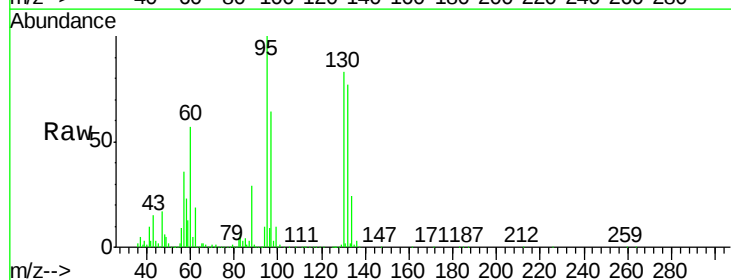
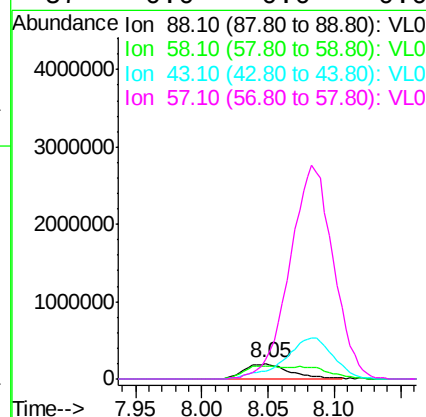
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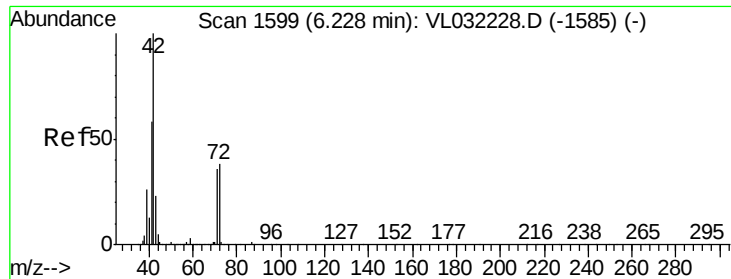
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#40
 1,4-Dioxane
 Concen: 9.772 ppbv m
 RT: 8.05 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VL032257.D
 Acq: 13 Jul 2018 22:48

Tgt Ion: 88 Resp: 475497
 Ion Ratio Lower Upper
 88 100
 58 142.9 117.4 176.2
 43 0.0 0.0 0.0
 57 0.0 0.0 0.0





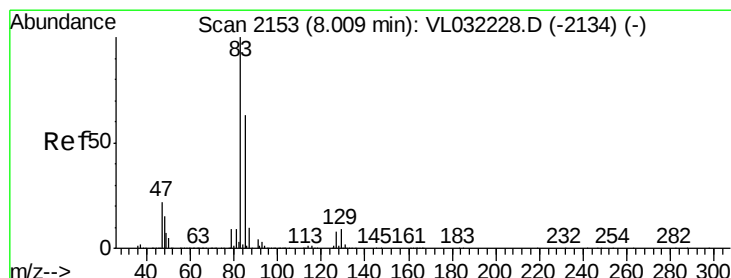
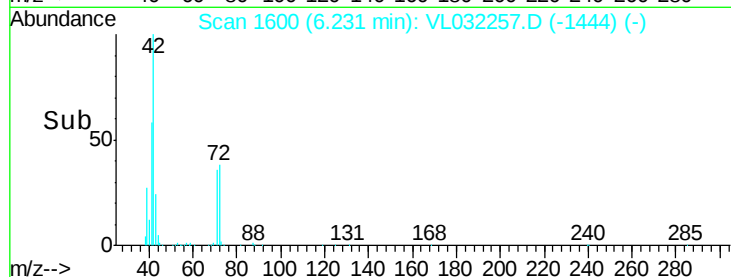
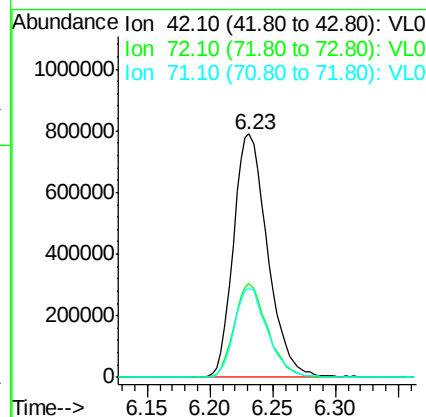
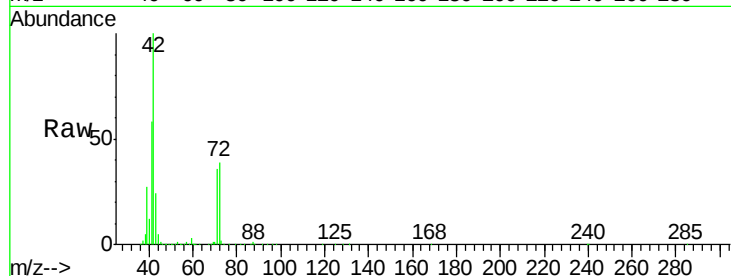
#41
Tetrahydrofuran
Concen: 10.876 ppbv
RT: 6.23 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VL032257.D
Acq: 13 Jul 2018 22:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 42 Resp: 1489997
Ion Ratio Lower Upper
42 100
72 37.6 30.6 45.8
71 36.1 29.7 44.5

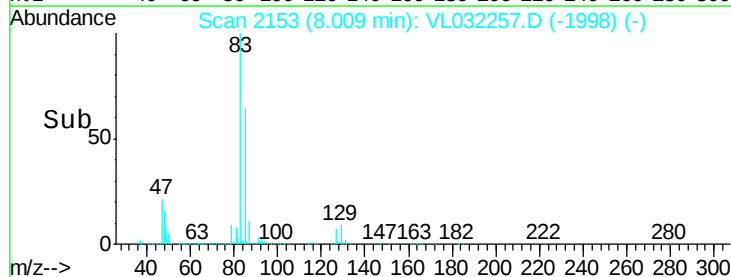
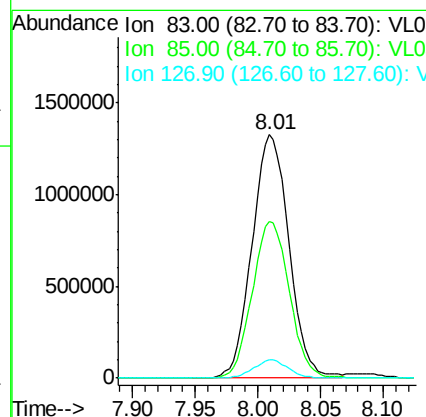
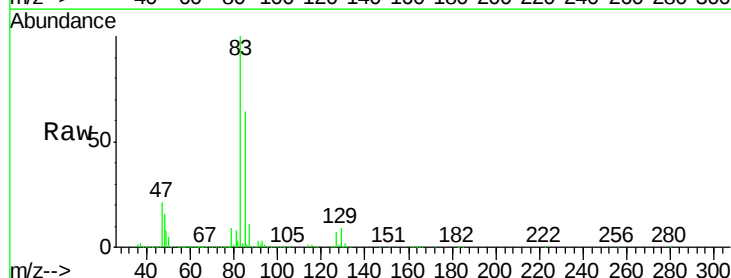
Manual Integrations
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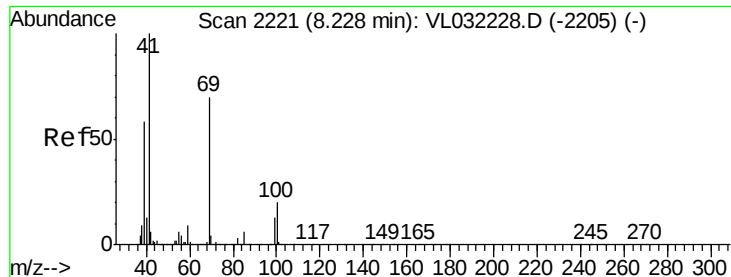
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#42
Bromodichloromethane
Concen: 9.758 ppbv
RT: 8.01 min Scan# 2153
Delta R.T. -0.00 min
Lab File: VL032257.D
Acq: 13 Jul 2018 22:48

Tgt Ion: 83 Resp: 2716303
Ion Ratio Lower Upper
83 100
85 64.3 50.6 76.0
127 7.3 6.1 9.1





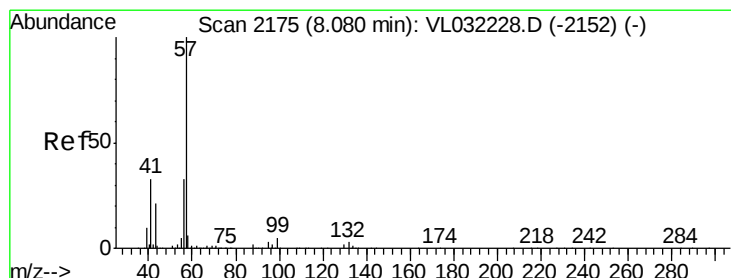
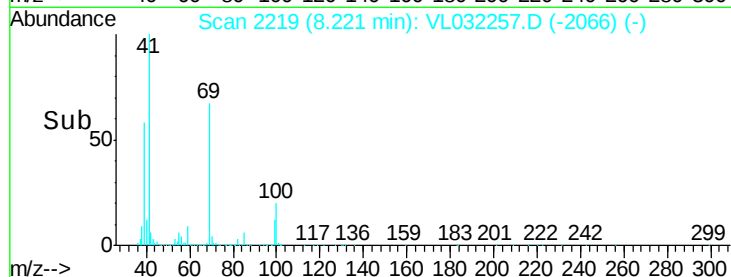
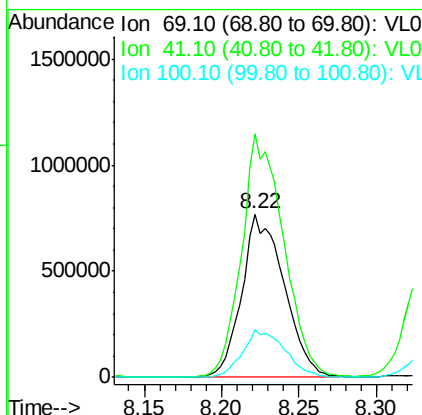
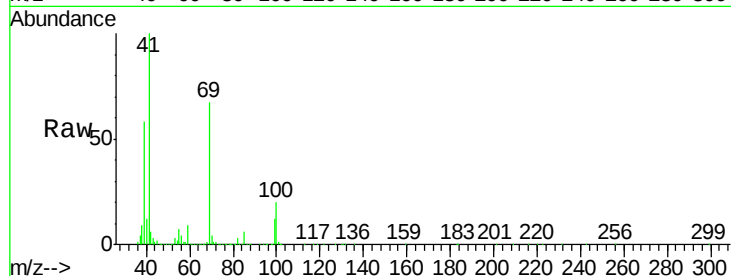
#43
Methyl Methacrylate
Concen: 10.561 ppbv m
RT: 8.22 min Scan# 2219
Delta R.T. -0.01 min
Lab File: VL032257.D
Acq: 13 Jul 2018 22:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 69 Resp: 1457237
Ion Ratio Lower Upper
69 100
41 0.0 116.3 174.5#
100 0.0 23.8 35.8#

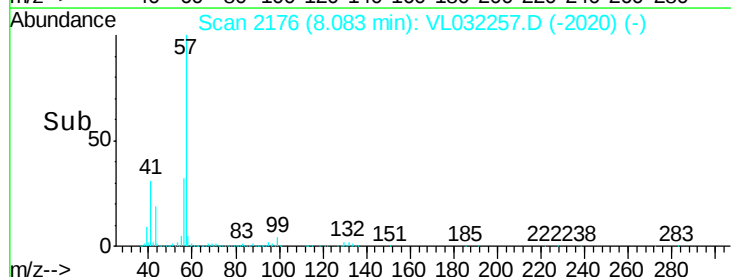
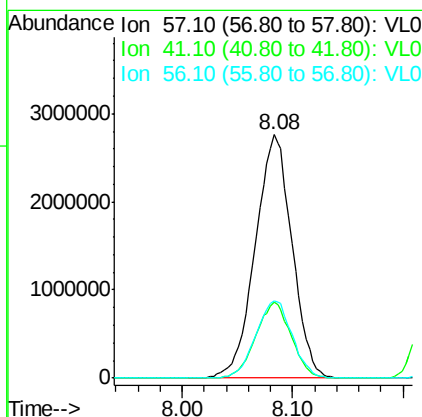
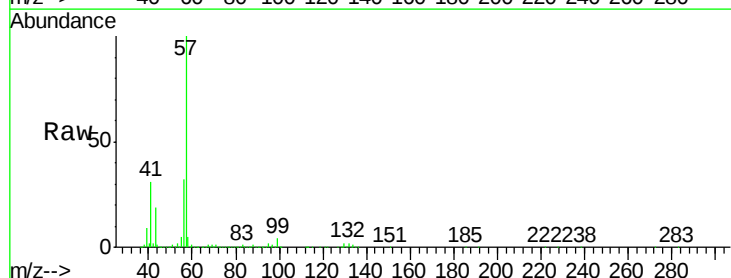
Manual Integrations
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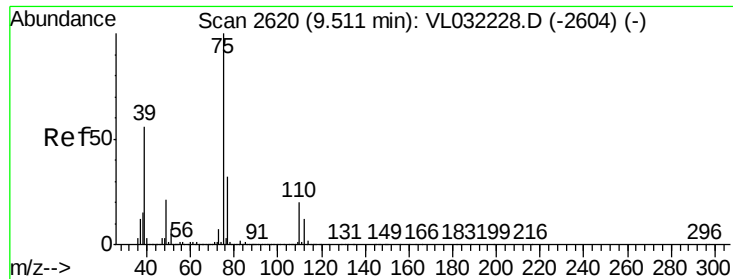
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#44
2,2,4-Trimethylpentane
Concen: 10.360 ppbv
RT: 8.08 min Scan# 2176
Delta R.T. 0.00 min
Lab File: VL032257.D
Acq: 13 Jul 2018 22:48

Tgt Ion: 57 Resp: 6362502
Ion Ratio Lower Upper
57 100
41 30.1 24.7 37.1
56 31.5 25.4 38.0





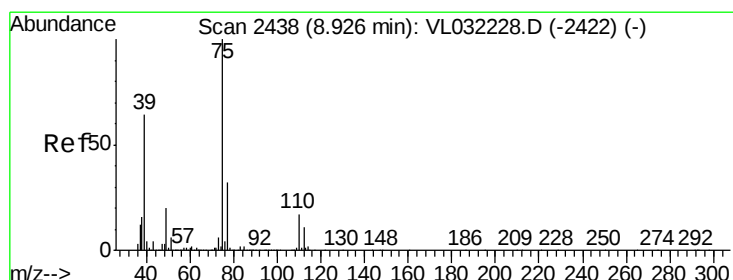
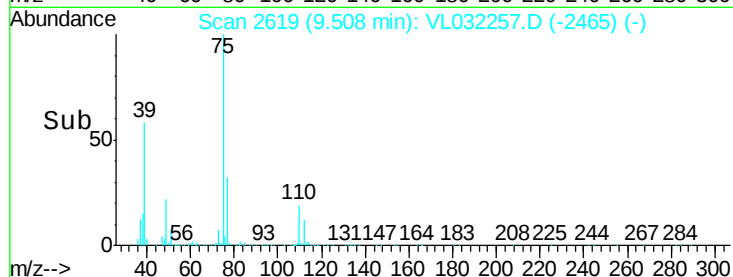
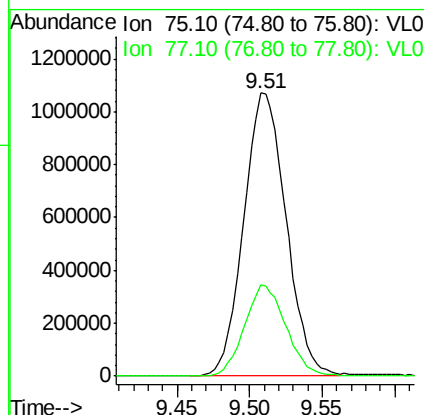
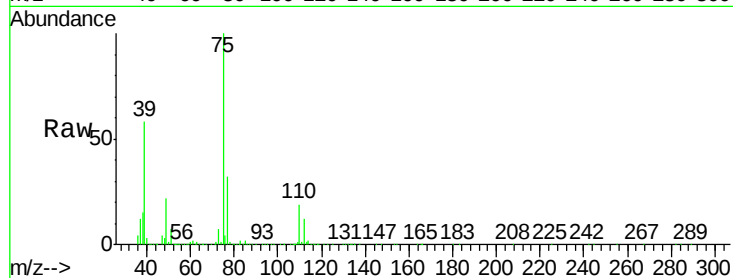
#45
t-1,3-Dichloropropene
Concen: 13.208 ppbv
RT: 9.51 min Scan# 2619
Delta R.T. -0.00 min
Lab File: VL032257.D
Acq: 13 Jul 2018 22:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 75 Resp: 2170664
Ion Ratio Lower Upper
75 100
77 32.3 25.5 38.3

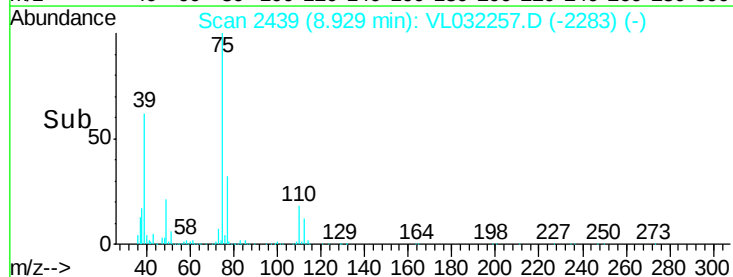
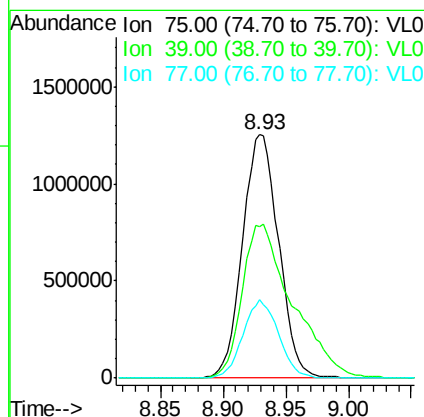
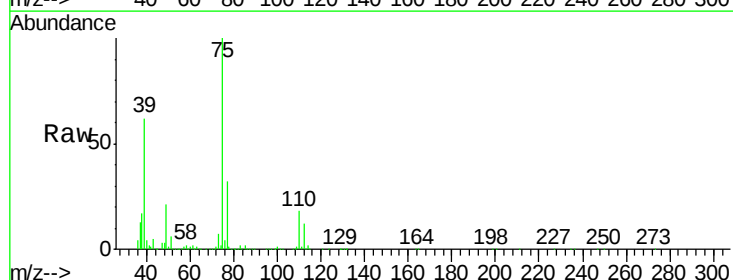
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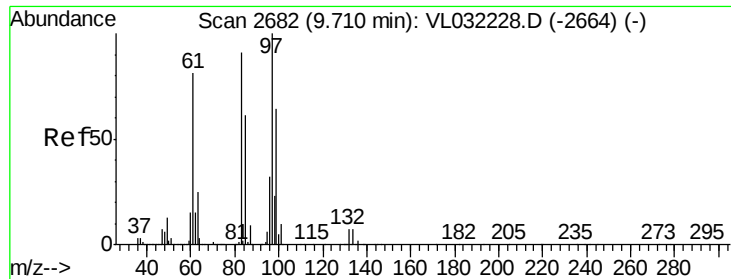
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#46
cis-1,3-Dichloropropene
Concen: 11.195 ppbv
RT: 8.93 min Scan# 2439
Delta R.T. 0.00 min
Lab File: VL032257.D
Acq: 13 Jul 2018 22:48

Tgt Ion: 75 Resp: 2509489
Ion Ratio Lower Upper
75 100
39 62.4 50.9 76.3
77 32.3 25.3 37.9





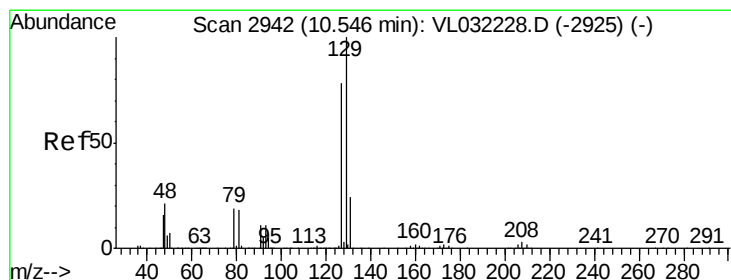
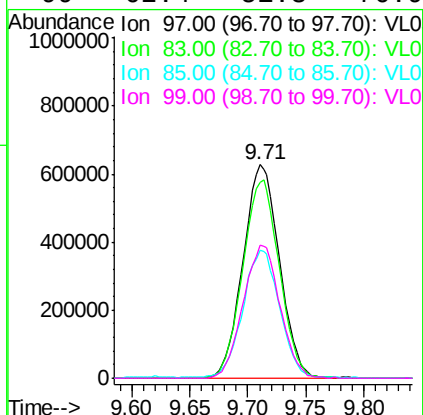
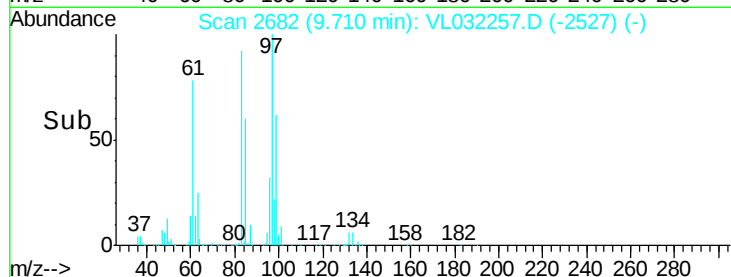
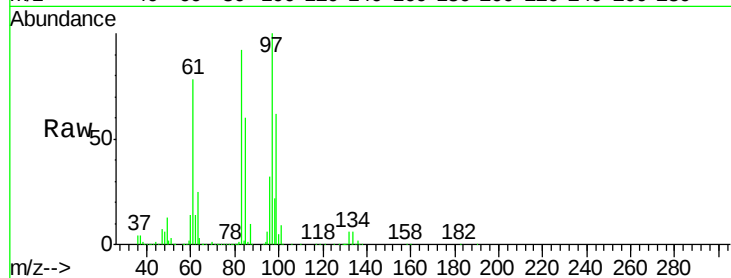
#47
 1,1,2-Trichloroethane
 Concen: 8.652 ppbv
 RT: 9.71 min Scan# 2682
 Delta R.T. -0.00 min
 Lab File: VL032257.D
 Acq: 13 Jul 2018 22:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
97	100		
83	91.9	72.9	109.3
85	59.3	49.3	73.9
99	62.4	51.3	76.9

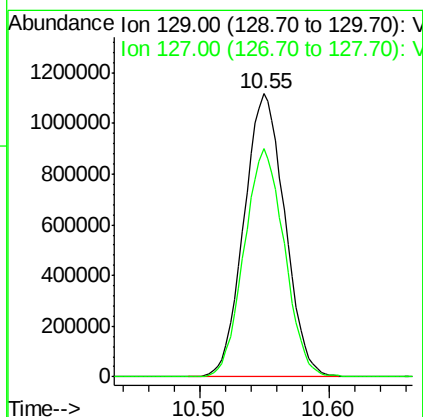
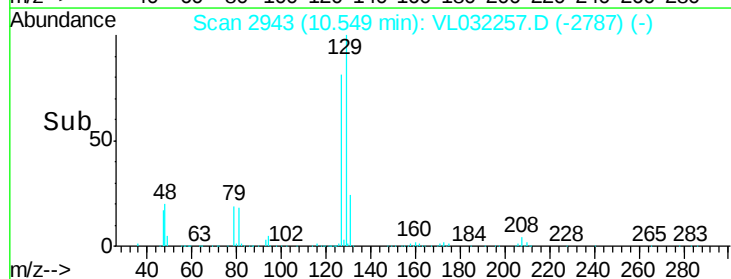
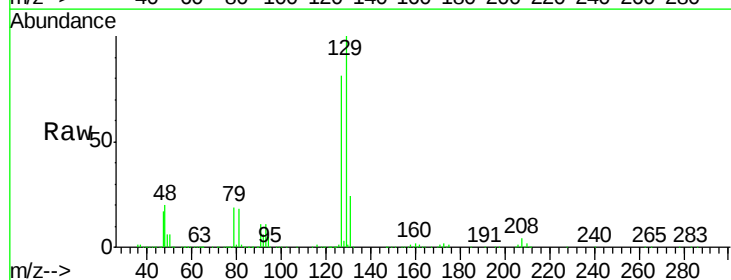
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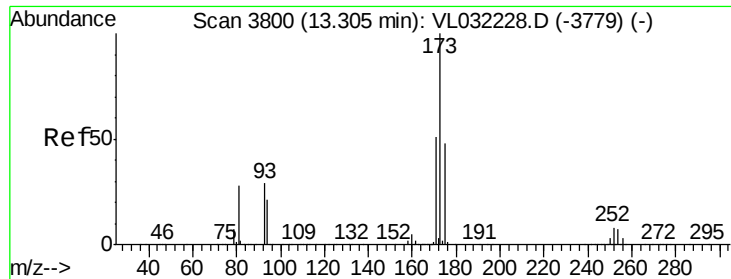
apatel
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#48
 Dibromochloromethane
 Concen: 10.451 ppbv
 RT: 10.55 min Scan# 2943
 Delta R.T. 0.00 min
 Lab File: VL032257.D
 Acq: 13 Jul 2018 22:48

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.6	39.3	117.9





#49

Bromoform

Concen: 10.588 ppbv

RT: 13.30 min Scan# 3800

Delta R.T. -0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:173 Resp: 2001432

Ion Ratio Lower Upper

173 100

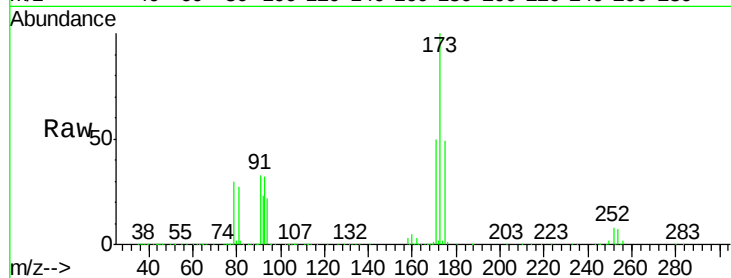
175 48.8 39.4 59.2

171 52.7 41.8 62.6

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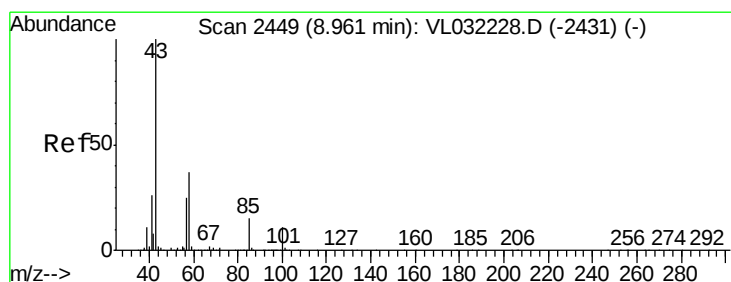
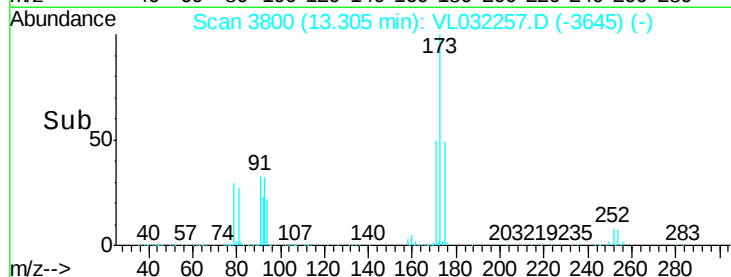
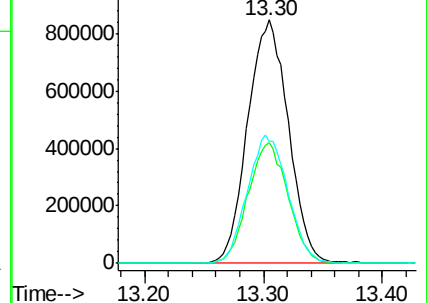
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.303 ppbv

RT: 8.96 min Scan# 2449

Delta R.T. -0.00 min

Lab File: VL032257.D

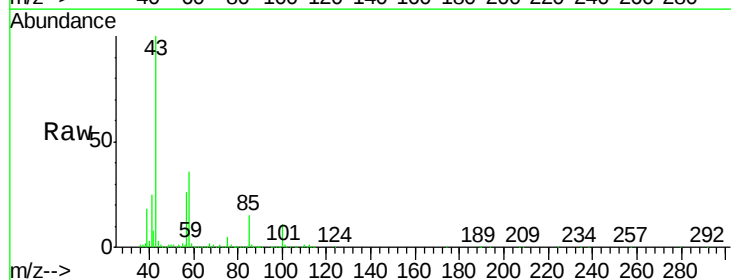
Acq: 13 Jul 2018 22:48

Tgt Ion: 43 Resp: 4363559

Ion Ratio Lower Upper

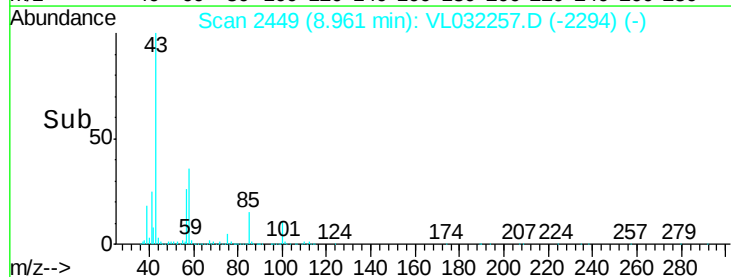
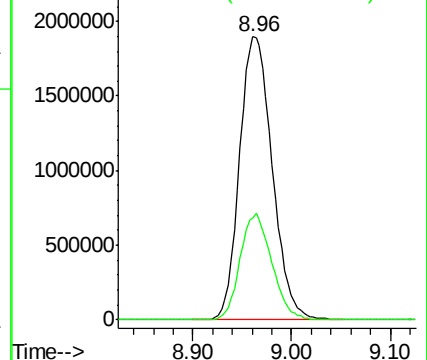
43 100

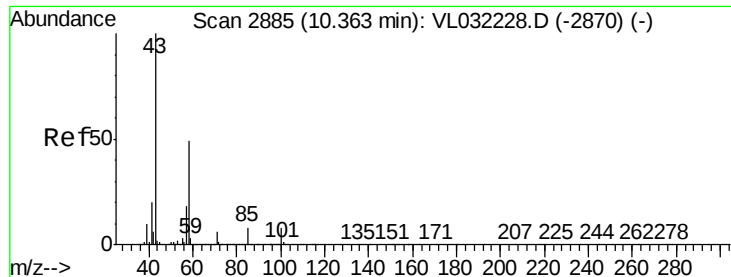
58 36.4 29.5 44.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





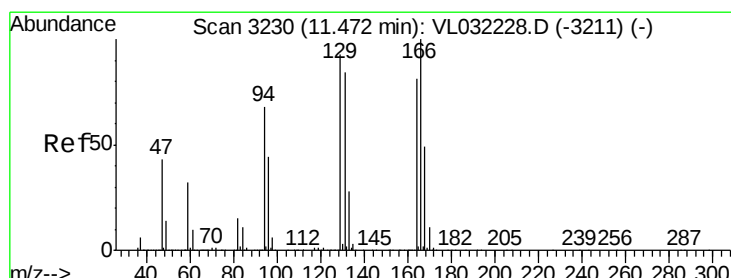
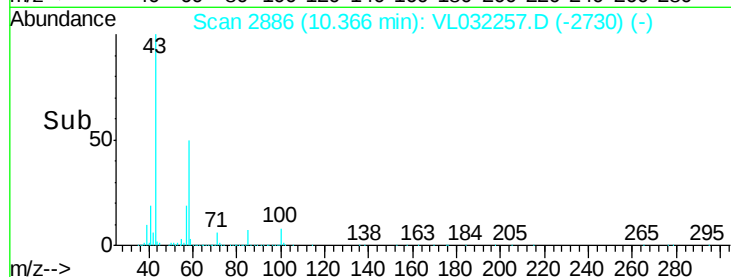
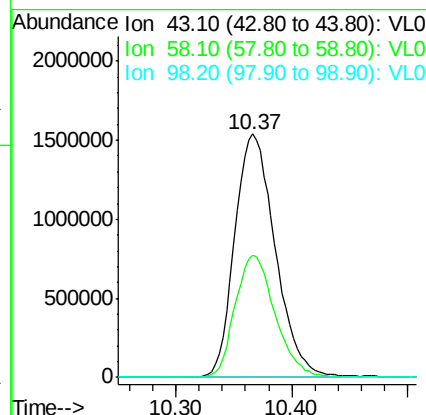
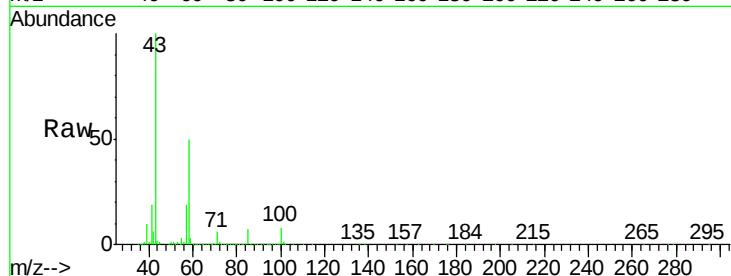
#51
2-Hexanone
Concen: 10.559 ppbv
RT: 10.37 min Scan# 2886
Delta R.T. 0.00 min
Lab File: VL032257.D
Acq: 13 Jul 2018 22:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 3734761
Ion Ratio Lower Upper
43 100
58 49.7 39.9 59.9
98 0.3 0.2 0.4

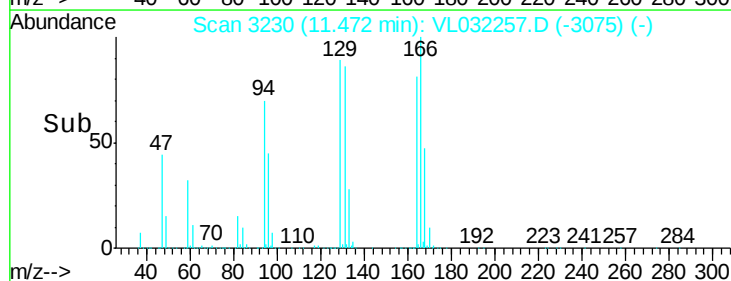
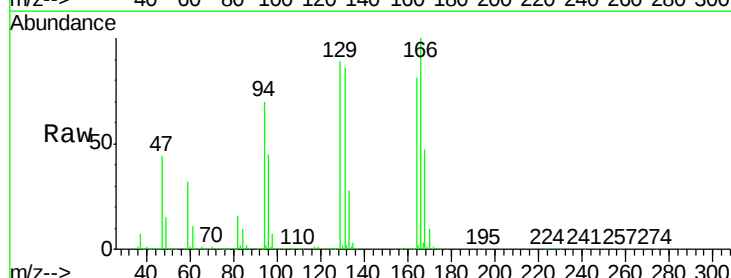
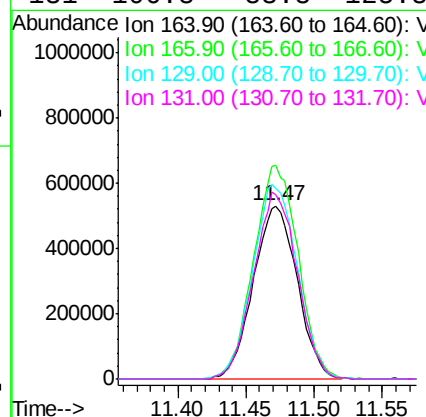
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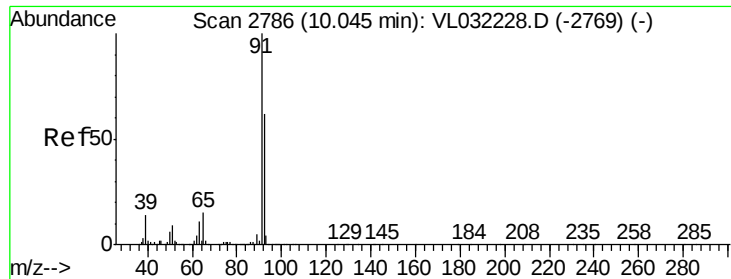
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#52
Tetrachloroethene
Concen: 8.978 ppbv
RT: 11.47 min Scan# 3230
Delta R.T. -0.00 min
Lab File: VL032257.D
Acq: 13 Jul 2018 22:48

Tgt Ion: 164 Resp: 1184532
Ion Ratio Lower Upper
164 100
166 123.6 99.3 148.9
129 110.3 92.0 138.0
131 106.8 83.8 125.8





#53

Toluene

Concen: 10.574 ppbv

RT: 10.04 min Scan# 2785

Delta R.T. -0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 91 Resp: 4464263

Ion Ratio Lower Upper

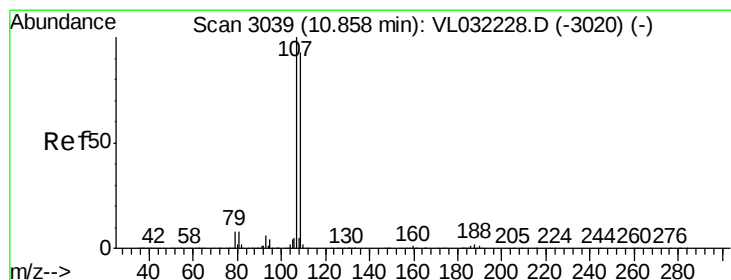
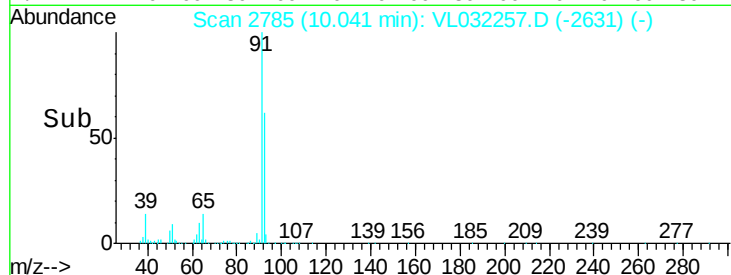
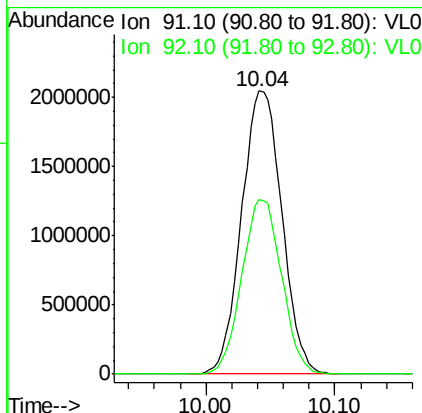
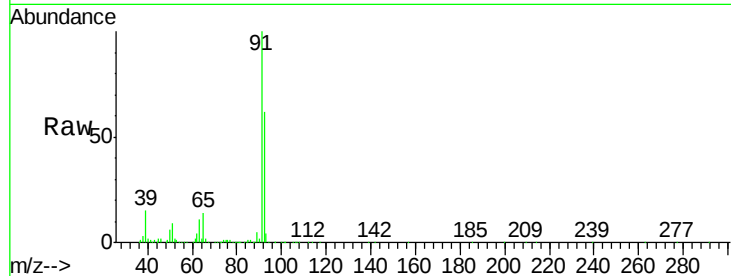
91 100

92 61.0 49.0 73.4

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#54

1,2-Dibromoethane

Concen: 10.247 ppbv

RT: 10.86 min Scan# 3039

Delta R.T. -0.00 min

Lab File: VL032257.D

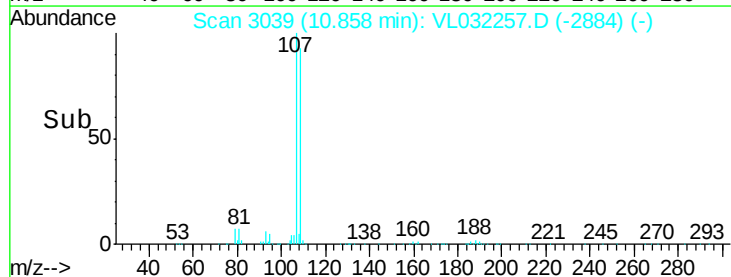
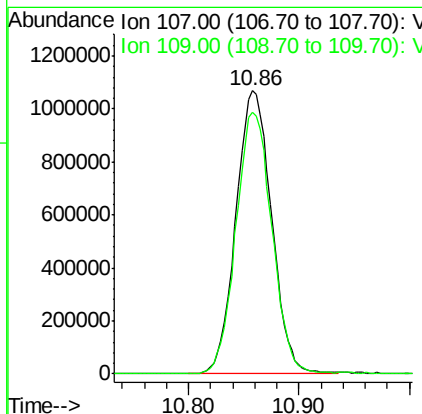
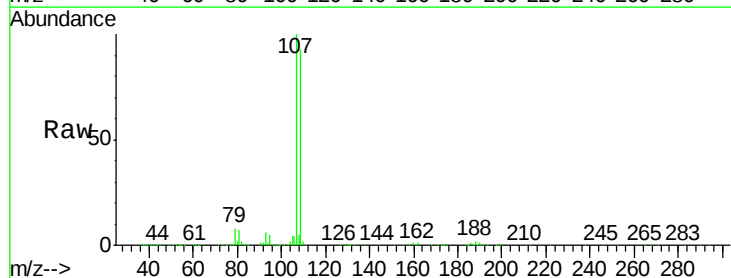
Acq: 13 Jul 2018 22:48

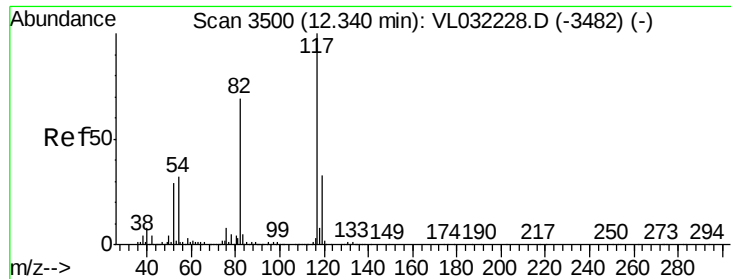
Tgt Ion: 107 Resp: 2397865

Ion Ratio Lower Upper

107 100

109 92.5 74.3 111.5





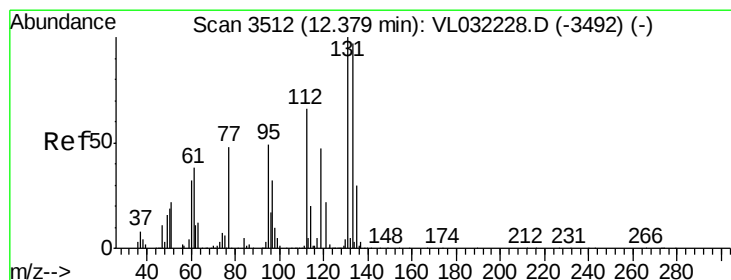
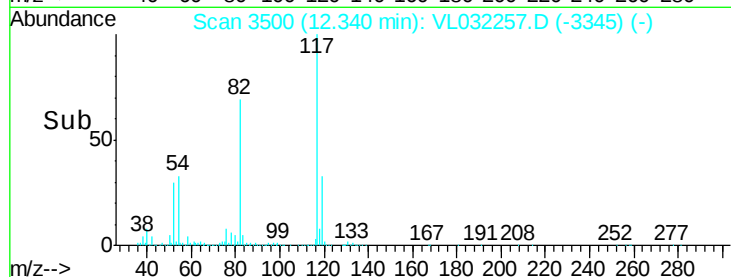
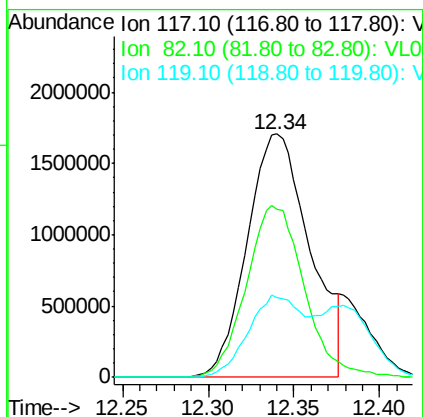
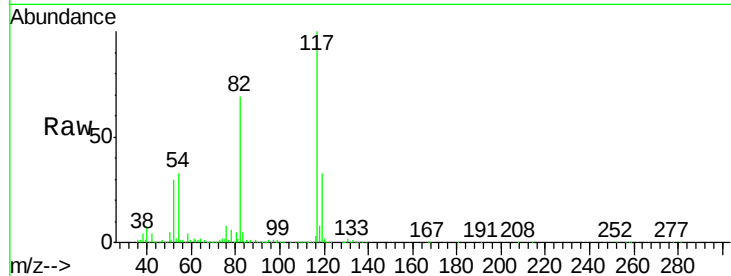
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.34 min Scan# 3500
Delta R.T. -0.00 min
Lab File: VL032257.D
Acq: 13 Jul 2018 22:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:117 Resp: 4345126
Ion Ratio Lower Upper
117 100
82 65.5 53.2 79.8
119 29.6 43.9 65.9#

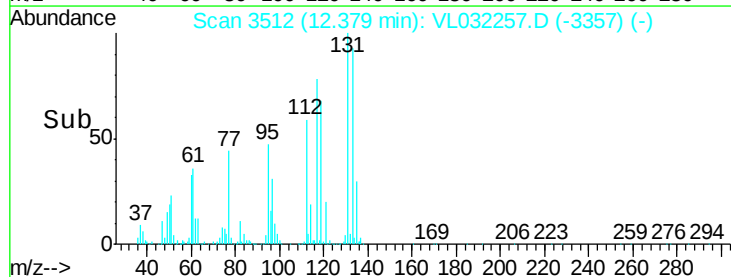
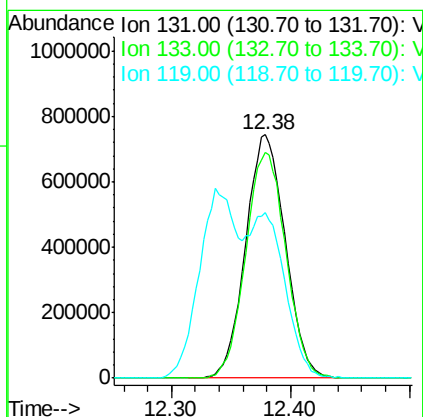
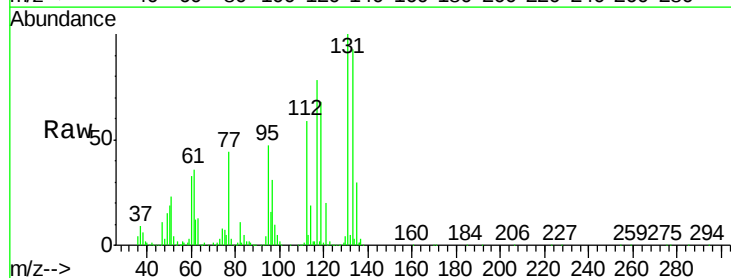
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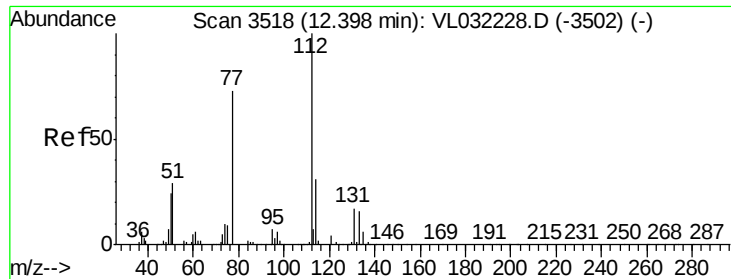
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.082 ppbv
RT: 12.38 min Scan# 3512
Delta R.T. -0.00 min
Lab File: VL032257.D
Acq: 13 Jul 2018 22:48

Tgt Ion:131 Resp: 1714207
Ion Ratio Lower Upper
131 100
133 94.3 75.2 112.8
119 63.5 113.9 170.9#





#57

Chlorobenzene

Concen: 8.712 ppbv

RT: 12.40 min Scan# 3519

Delta R.T. 0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

Instrument :

MSVOA_L

ClientSampleId :

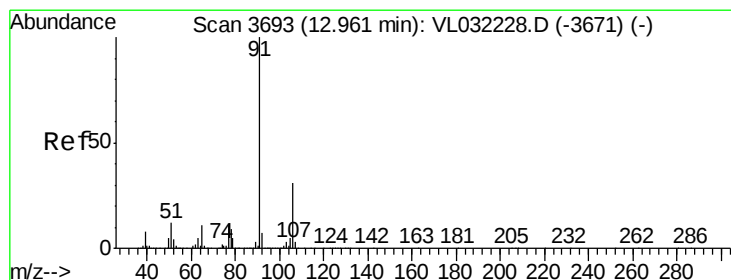
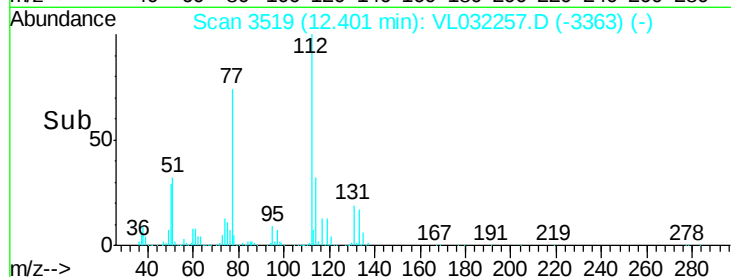
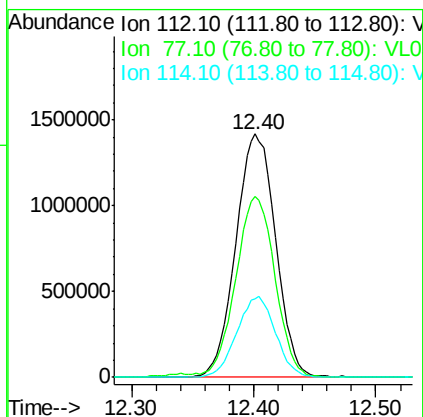
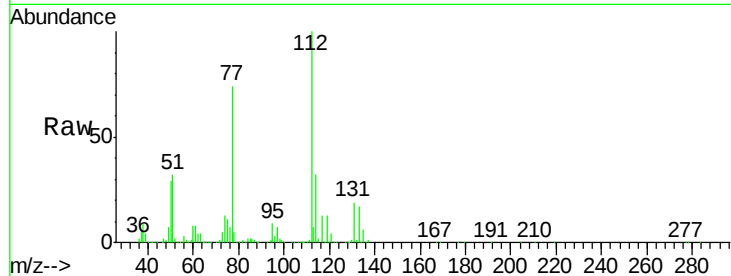
VSTDCCC010EC

Tgt Ion: 112 Resp: 3199484

Ion	Ratio	Lower	Upper
112	100		
77	74.1	58.8	88.2
114	32.4	27.9	34.1

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#58

Ethyl Benzene

Concen: 9.427 ppbv

RT: 12.96 min Scan# 3693

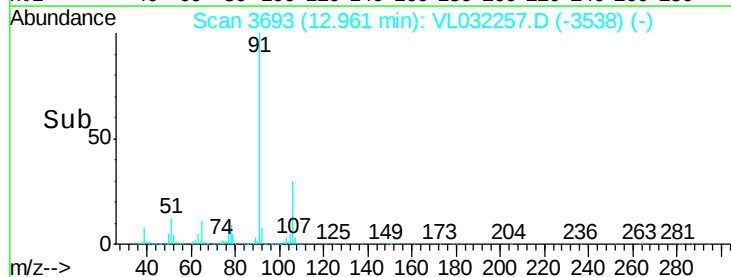
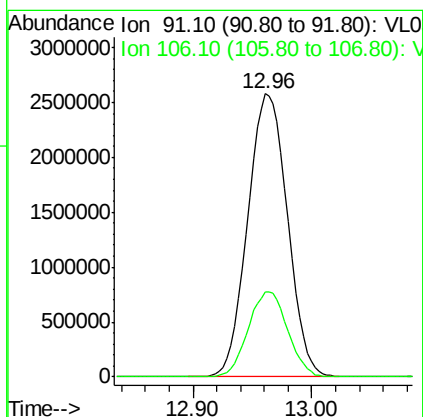
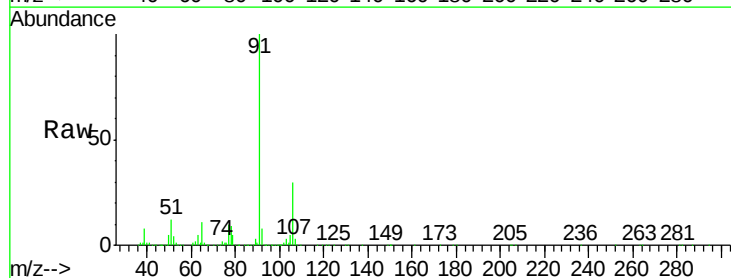
Delta R.T. -0.00 min

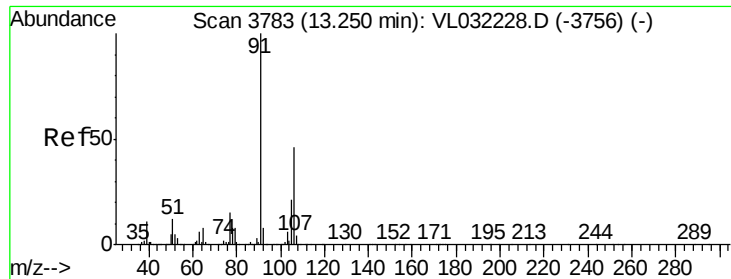
Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

Tgt Ion: 91 Resp: 5964800

Ion	Ratio	Lower	Upper
91	100		
106	29.9	24.5	36.7





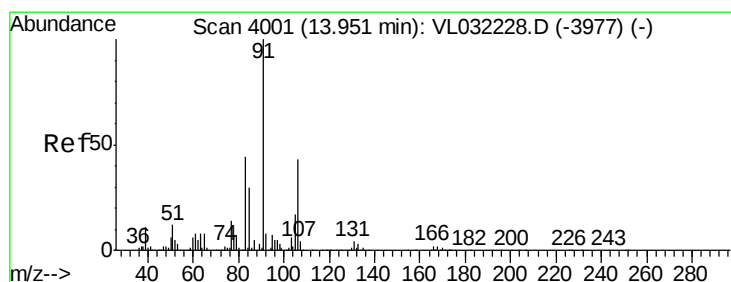
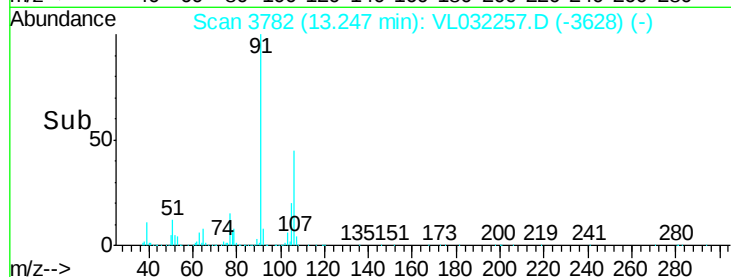
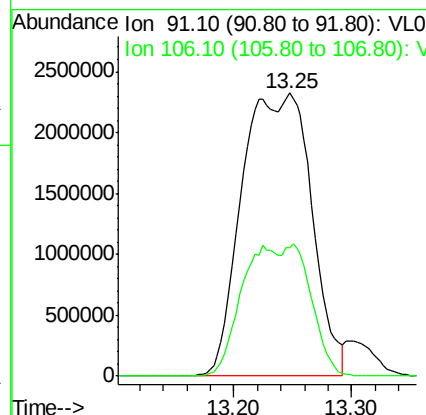
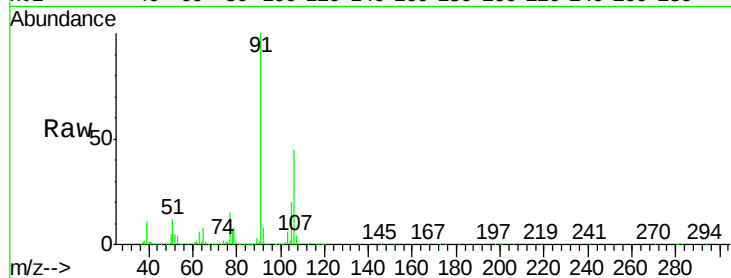
#59
m/p-Xylene
Concen: 18.277 ppbv m
RT: 13.25 min Scan# 3782
Delta R.T. -0.00 min
Lab File: VL032257.D
Acq: 13 Jul 2018 22:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 9515028
Ion Ratio Lower Upper
91 100
106 45.2 36.4 54.6

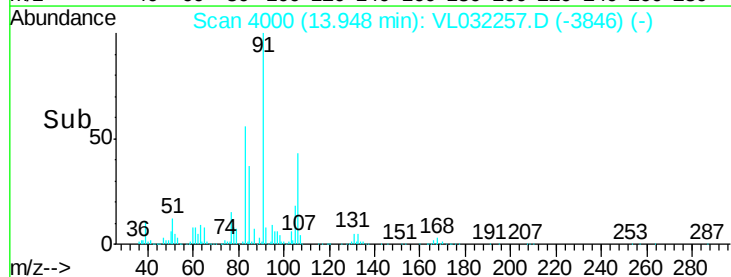
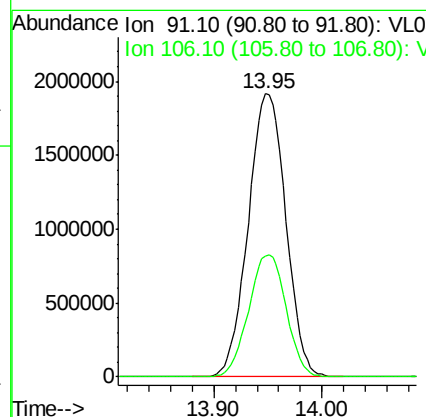
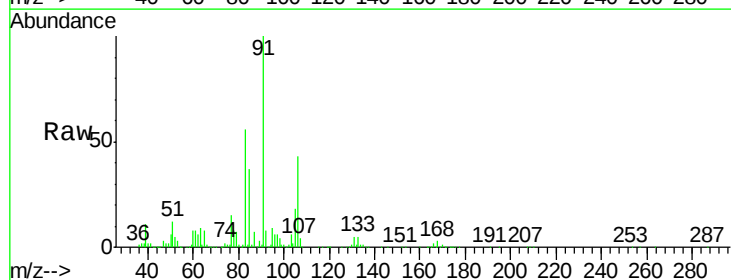
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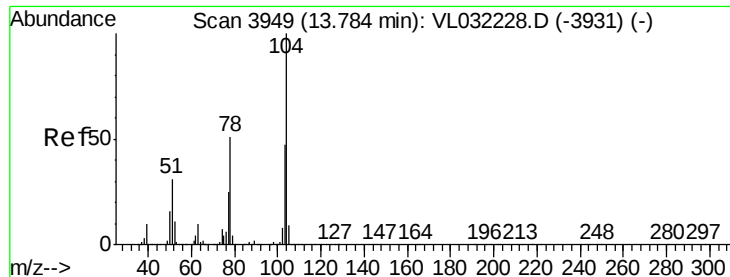
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#60
o-Xylene
Concen: 9.035 ppbv
RT: 13.95 min Scan# 4000
Delta R.T. -0.00 min
Lab File: VL032257.D
Acq: 13 Jul 2018 22:48

Tgt Ion: 91 Resp: 4641433
Ion Ratio Lower Upper
91 100
106 43.1 21.9 65.5





#61

Styrene

Concen: 9.865 ppbv

RT: 13.78 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:104 Resp: 3797415

Ion Ratio Lower Upper

104 100

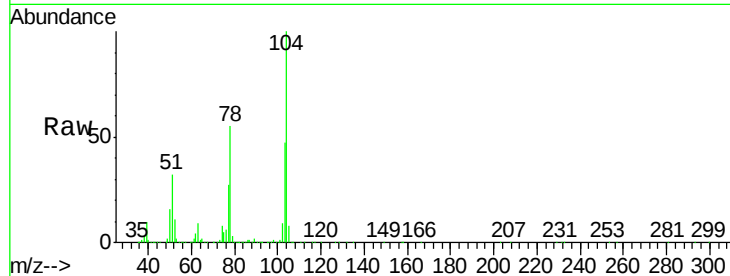
78 54.5 43.4 65.0

103 47.0 38.0 57.0

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apatel

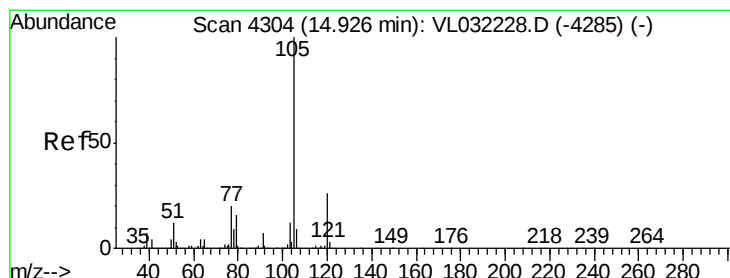
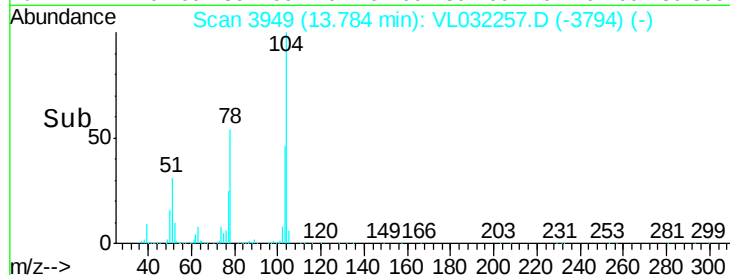
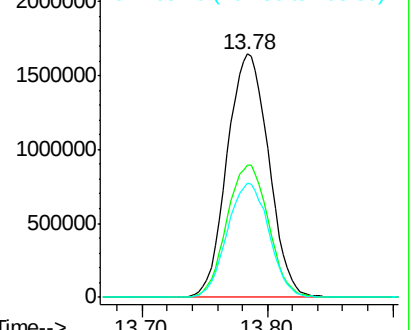
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.977 ppbv

RT: 14.93 min Scan# 4304

Delta R.T. -0.00 min

Lab File: VL032257.D

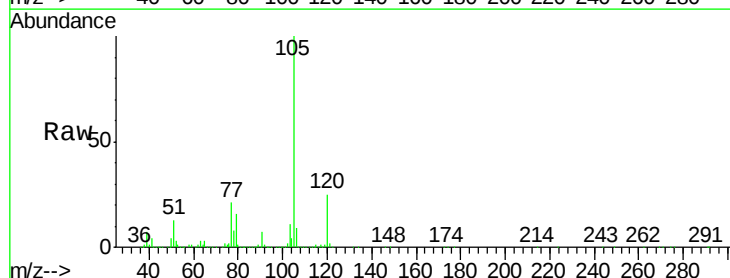
Acq: 13 Jul 2018 22:48

Tgt Ion:105 Resp: 6465891

Ion Ratio Lower Upper

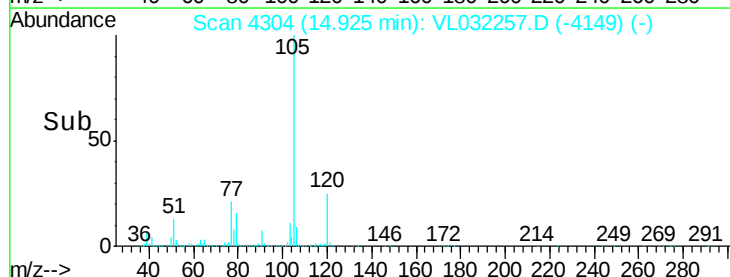
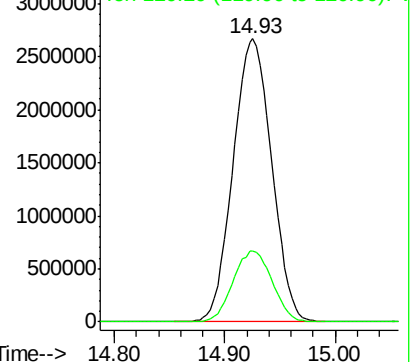
105 100

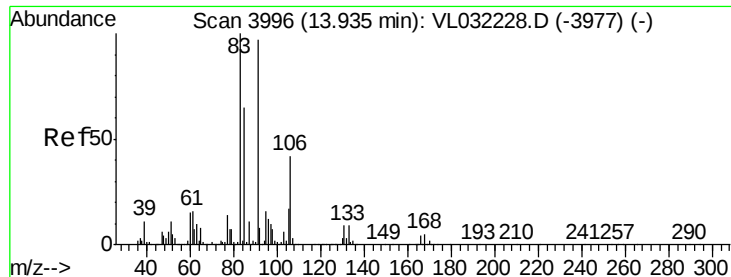
120 25.4 20.2 30.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





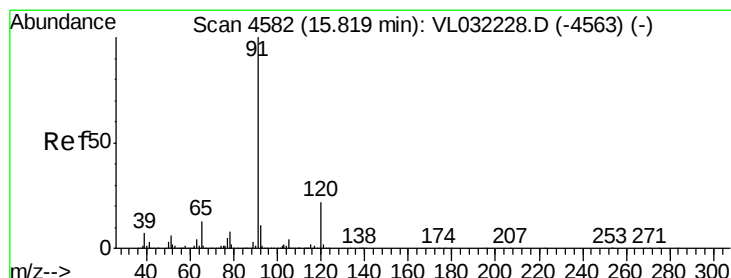
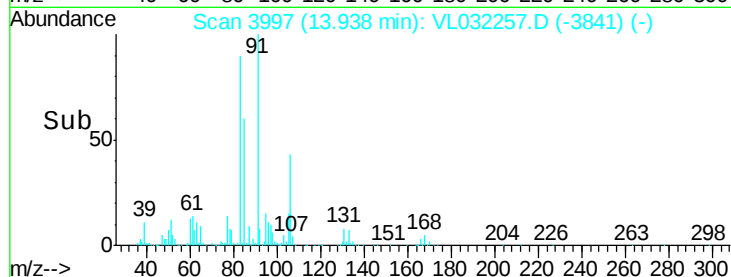
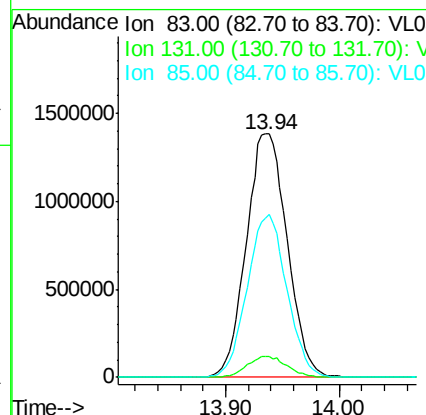
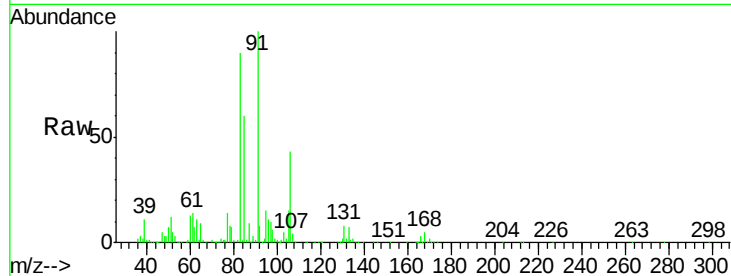
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.312 ppbv
 RT: 13.94 min Scan# 3997
 Delta R.T. 0.00 min
 Lab File: VL032257.D
 Acq: 13 Jul 2018 22:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 83 Resp: 3473742
 Ion Ratio Lower Upper
 83 100
 131 8.4 4.3 12.8
 85 64.8 32.5 97.5

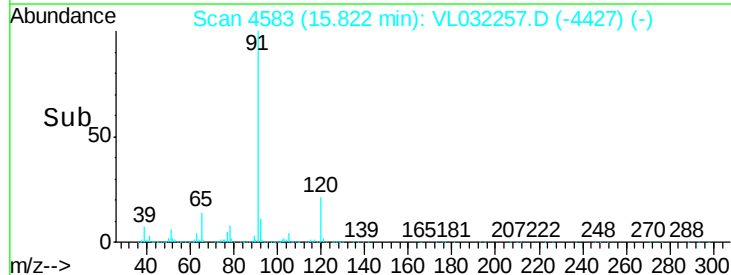
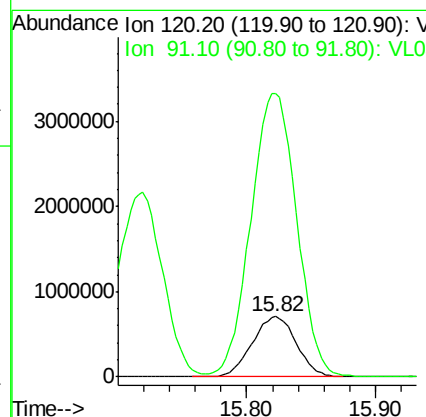
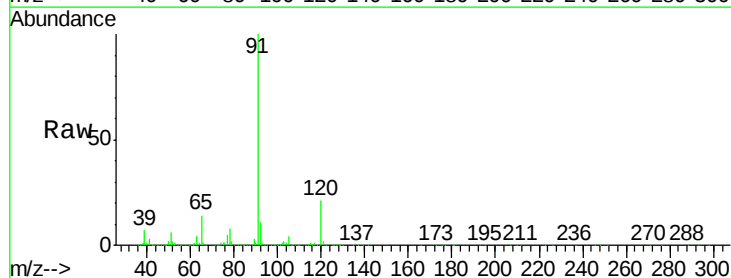
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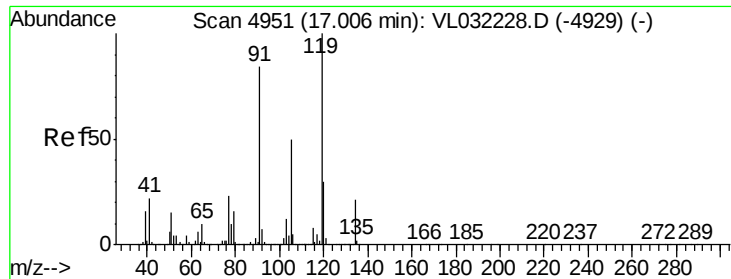
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 7/16/2018 9:46:05 AM



#64
 n-propylbenzene
 Concen: 9.276 ppbv
 RT: 15.82 min Scan# 4583
 Delta R.T. 0.00 min
 Lab File: VL032257.D
 Acq: 13 Jul 2018 22:48

Tgt Ion: 120 Resp: 1691404
 Ion Ratio Lower Upper
 120 100
 91 486.3 385.0 577.4





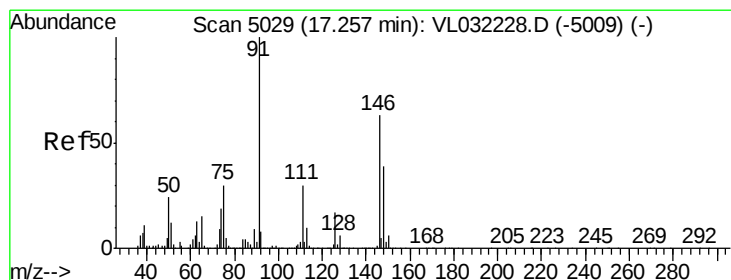
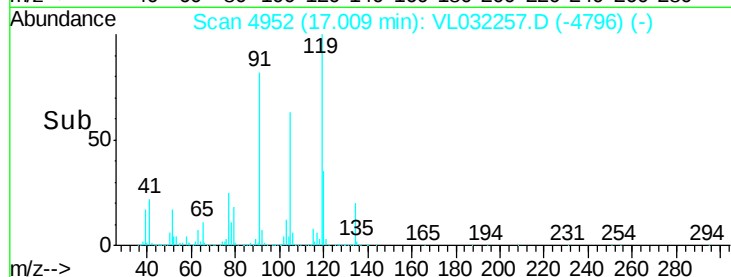
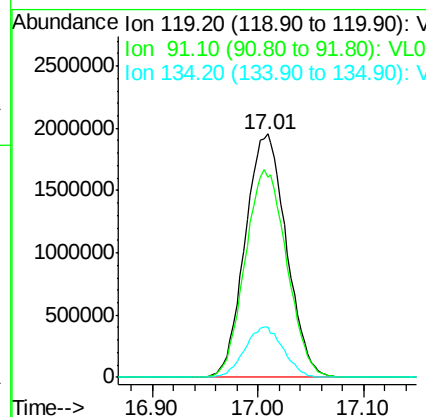
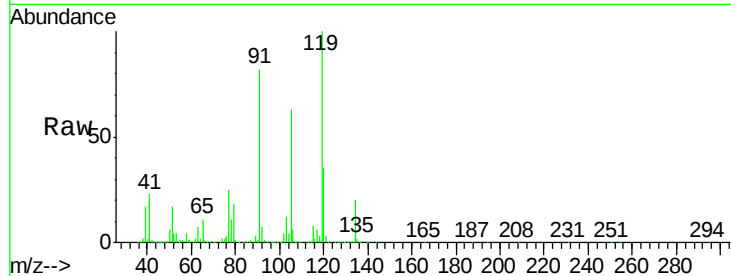
#65
 tert-Butylbenzene
 Concen: 8.794 ppbv
 RT: 17.01 min Scan# 4952
 Delta R.T. 0.00 min
 Lab File: VL032257.D
 Acq: 13 Jul 2018 22:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 119 Resp: 5306284
 Ion Ratio Lower Upper
 119 100
 91 86.2 68.6 102.8
 134 19.5 15.4 23.2

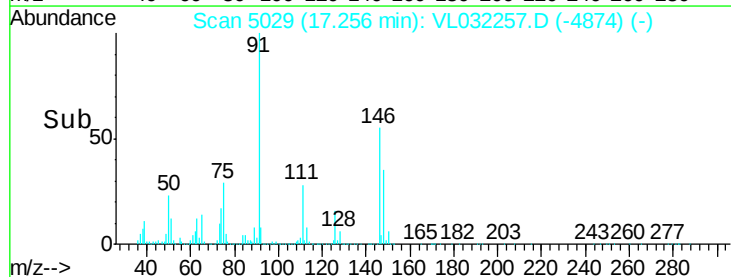
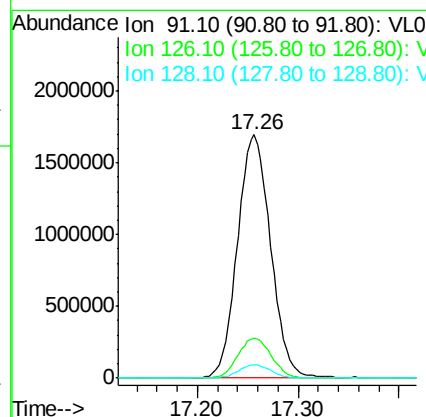
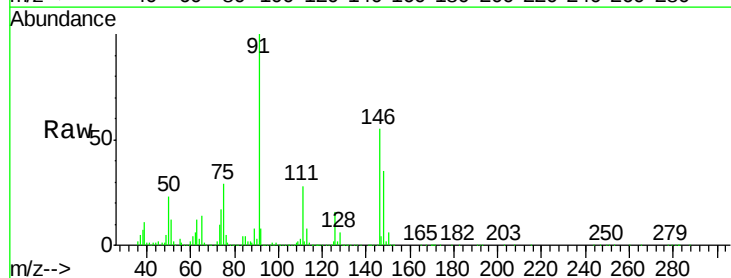
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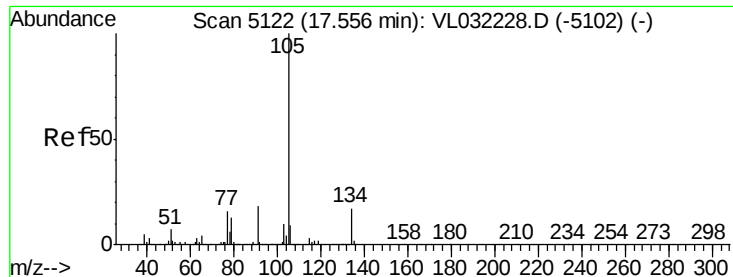
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#66
 Benzyl Chloride
 Concen: 12.650 ppbv
 RT: 17.26 min Scan# 5029
 Delta R.T. -0.00 min
 Lab File: VL032257.D
 Acq: 13 Jul 2018 22:48

Tgt Ion: 91 Resp: 3862813
 Ion Ratio Lower Upper
 91 100
 126 16.7 13.4 20.0
 128 5.5 4.5 6.7





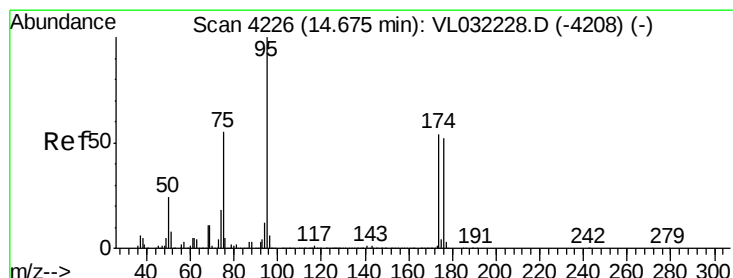
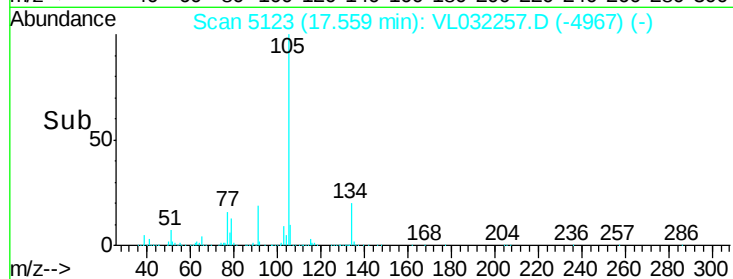
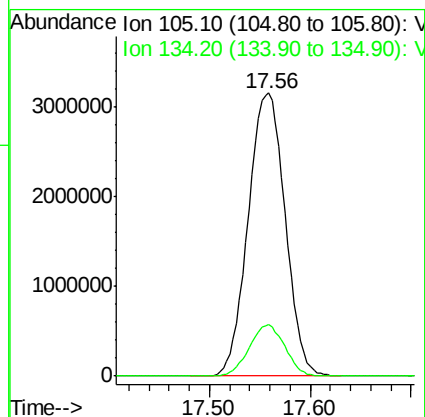
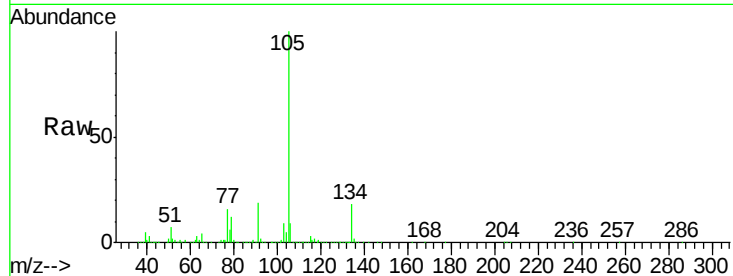
#67
 sec-Butylbenzene
 Concen: 9.086 ppbv
 RT: 17.56 min Scan# 5123
 Delta R.T. 0.00 min
 Lab File: VL032257.D
 Acq: 13 Jul 2018 22:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 105 Resp: 8010013
 Ion Ratio Lower Upper
 105 100
 134 17.6 14.2 21.2

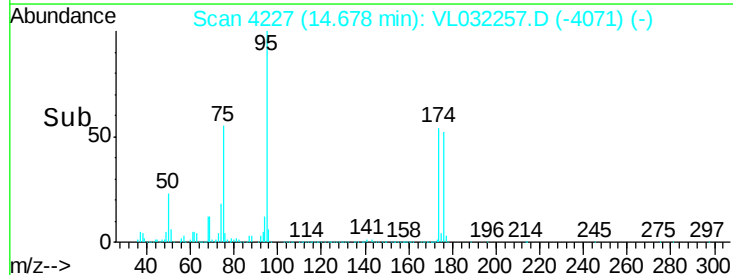
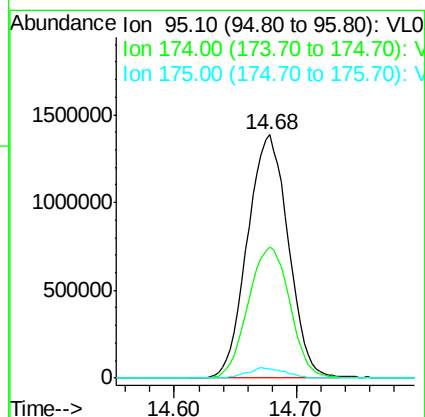
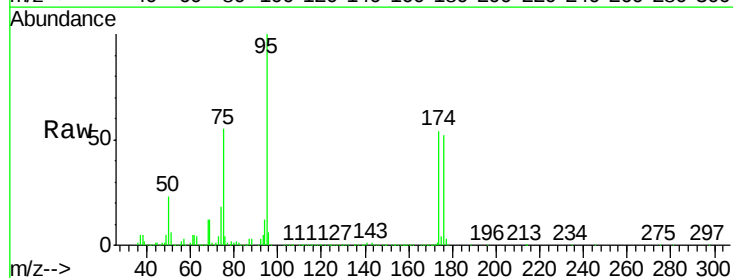
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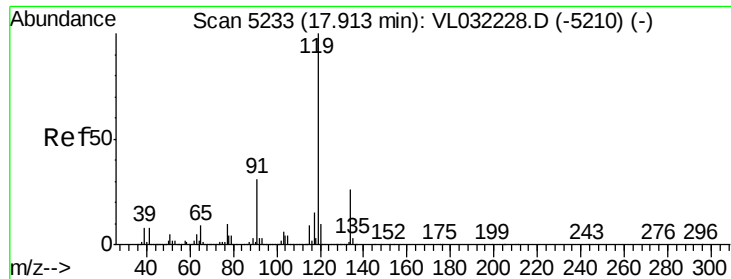
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.550 ppbv
 RT: 14.68 min Scan# 4227
 Delta R.T. 0.00 min
 Lab File: VL032257.D
 Acq: 13 Jul 2018 22:48

Tgt Ion: 95 Resp: 3212306
 Ion Ratio Lower Upper
 95 100
 174 55.2 44.6 67.0
 175 4.0 3.3 4.9





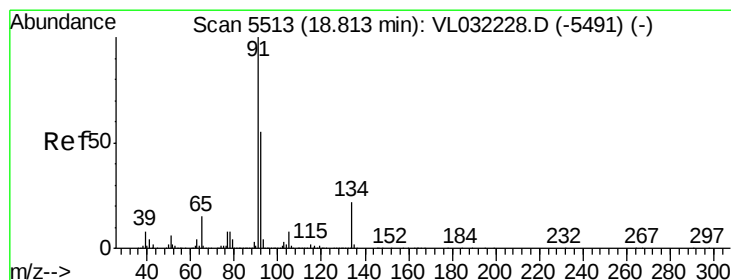
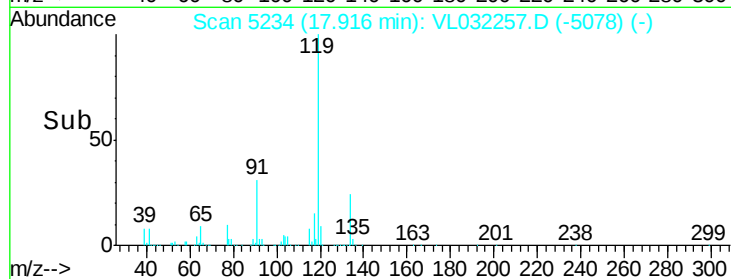
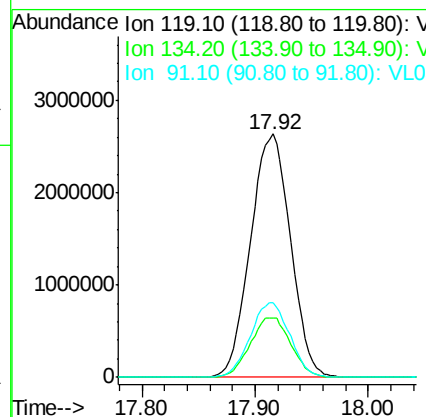
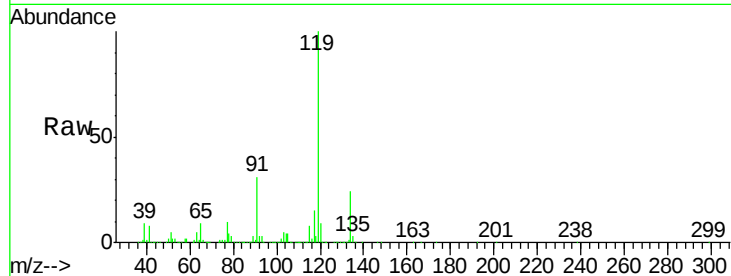
#69
p-Isopropyltoluene
Concen: 9.424 ppbv
RT: 17.92 min Scan# 5234
Delta R.T. 0.00 min
Lab File: VL032257.D
Acq: 13 Jul 2018 22:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 119 Resp: 6469376
Ion Ratio Lower Upper
119 100
134 24.8 20.1 30.1
91 30.3 24.2 36.2

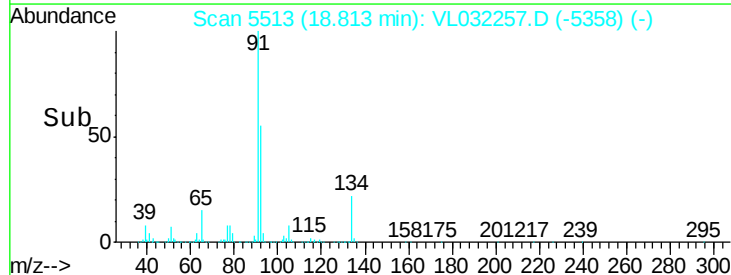
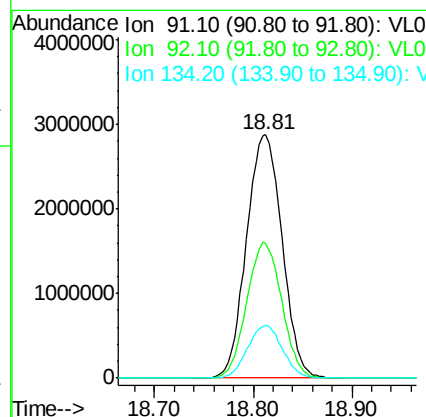
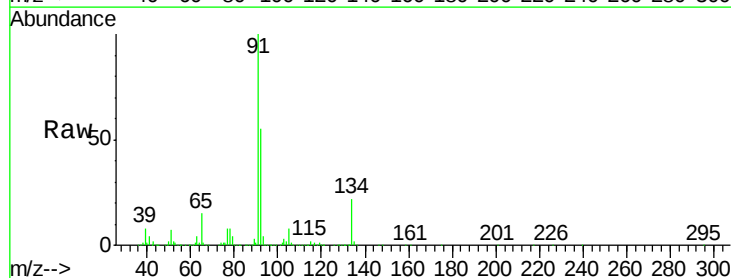
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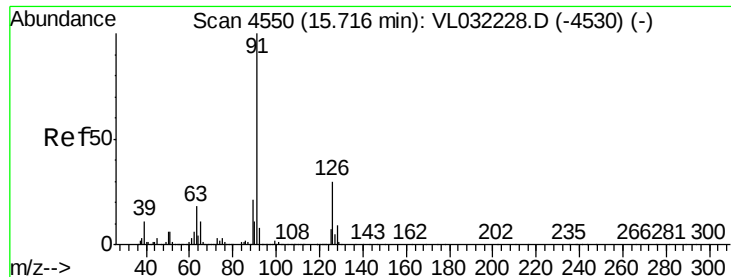
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#70
n-Butylbenzene
Concen: 9.462 ppbv
RT: 18.81 min Scan# 5513
Delta R.T. -0.00 min
Lab File: VL032257.D
Acq: 13 Jul 2018 22:48

Tgt Ion: 91 Resp: 7174916
Ion Ratio Lower Upper
91 100
92 54.7 43.6 65.4
134 21.2 17.1 25.7





#71

2-Chlorotoluene

Concen: 9.249 ppbv

RT: 15.72 min Scan# 4551

Delta R.T. 0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 91 Resp: 5242937

Ion Ratio Lower Upper

91 100

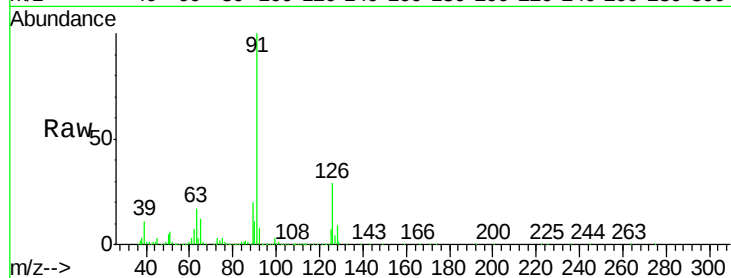
126 29.1 11.7 46.7

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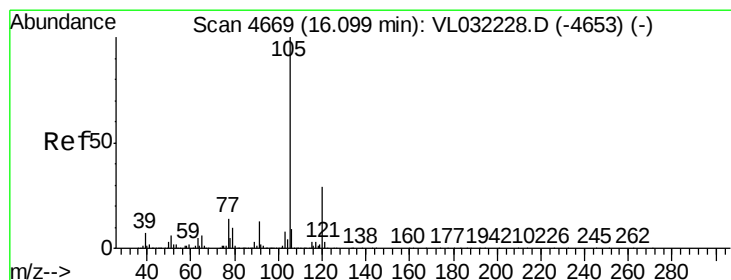
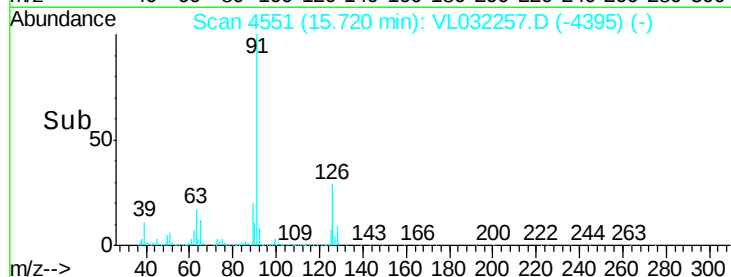
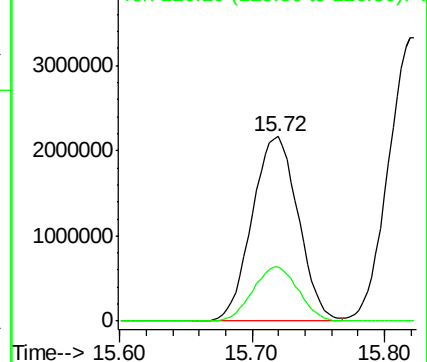
apatel

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.627 ppbv

RT: 16.10 min Scan# 4668

Delta R.T. -0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

Tgt Ion: 105 Resp: 5549351

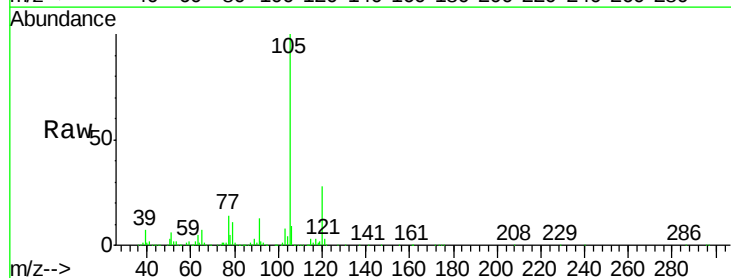
Ion Ratio Lower Upper

105 100

120 28.8 23.3 34.9

91 12.8 10.3 15.5

77 15.0 11.5 17.3

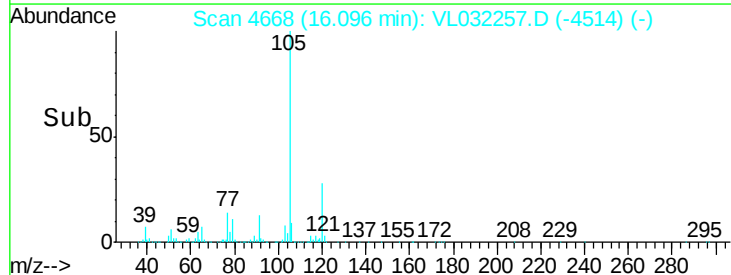
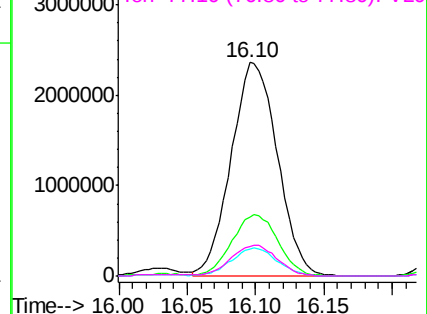


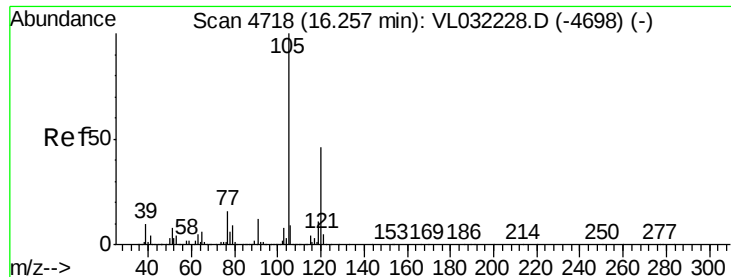
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

1,3,5-Trimethylbenzene

Concen: 9.875 ppbv

RT: 16.26 min Scan# 4718

Delta R.T. -0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:105 Resp: 5292816

Ion Ratio Lower Upper

105 100

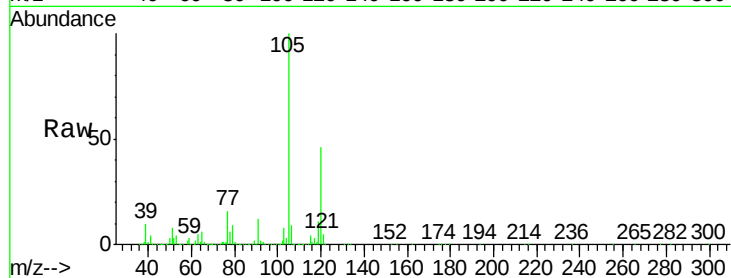
120 45.6 36.6 54.8

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2500000

2000000

1500000

1000000

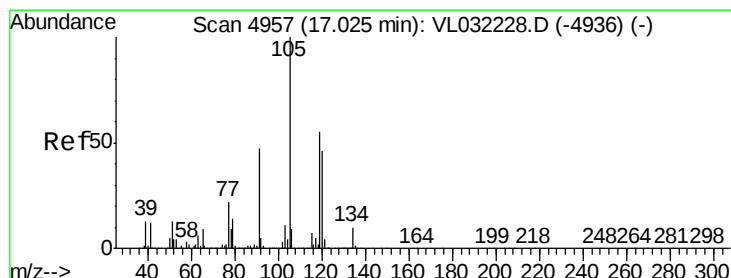
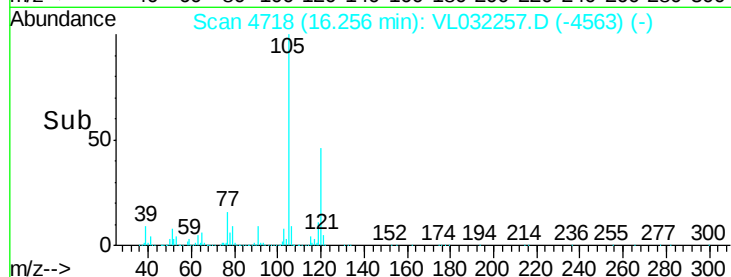
500000

0

16.20

16.30

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 9.410 ppbv

RT: 17.02 min Scan# 4957

Delta R.T. -0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

Tgt Ion:105 Resp: 5157311

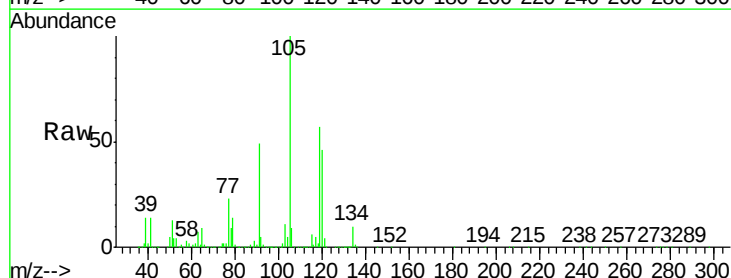
Ion Ratio Lower Upper

105 100

120 45.4 37.0 55.4

91 49.3 38.2 57.2

77 22.6 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

3000000

2000000

1000000

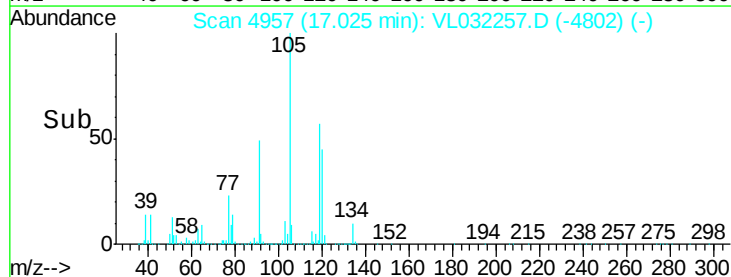
0

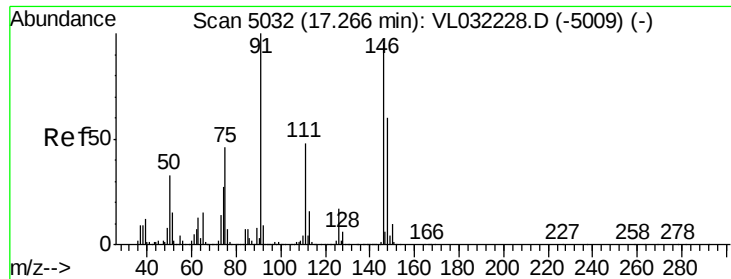
16.90

17.00

17.10

Time-->





#75

1,3-Dichlorobenzene

Concen: 8.672 ppbv

RT: 17.27 min Scan# 5033

Delta R.T. 0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:146 Resp: 2835373

Ion Ratio Lower Upper

146 100

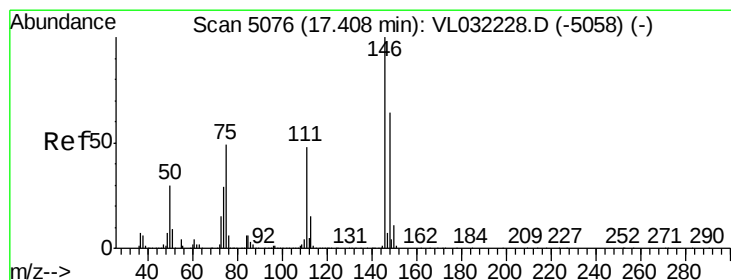
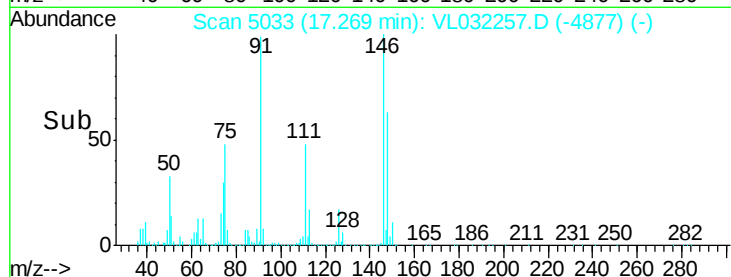
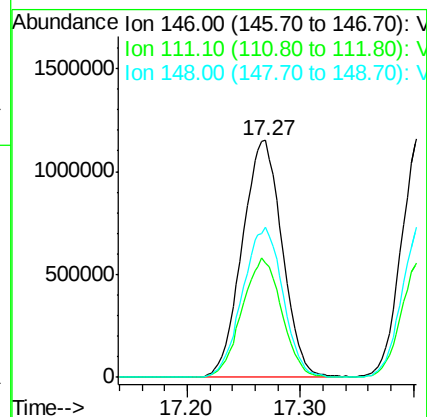
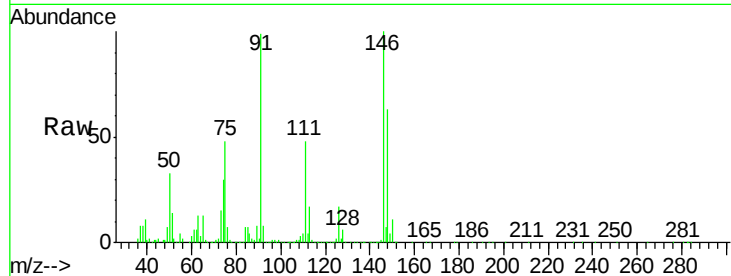
111 49.9 24.9 74.7

148 63.7 31.9 95.5

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#76

1,4-Dichlorobenzene

Concen: 9.189 ppbv

RT: 17.41 min Scan# 5076

Delta R.T. -0.00 min

Lab File: VL032257.D

Acq: 13 Jul 2018 22:48

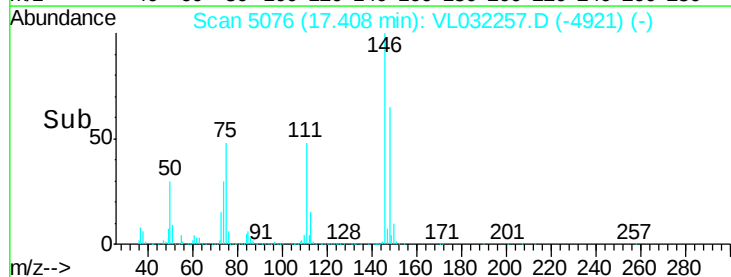
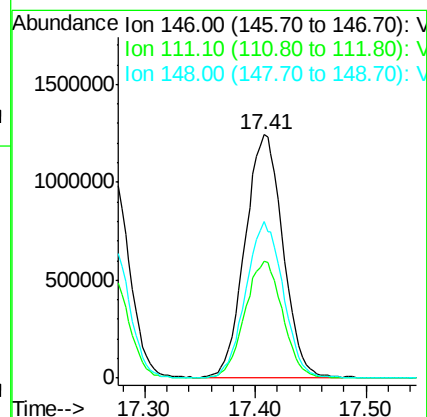
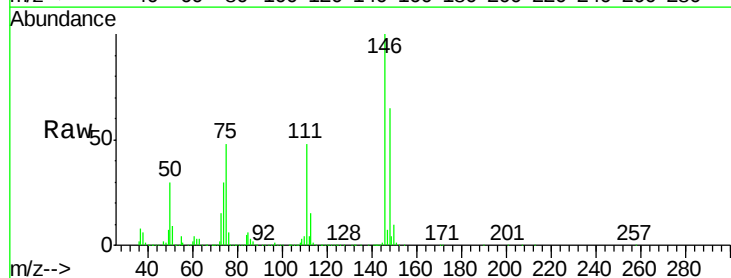
Tgt Ion:146 Resp: 2942224

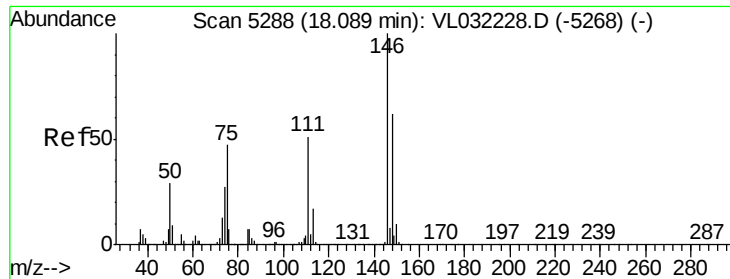
Ion Ratio Lower Upper

146 100

111 48.1 24.6 73.6

148 64.0 32.3 96.9





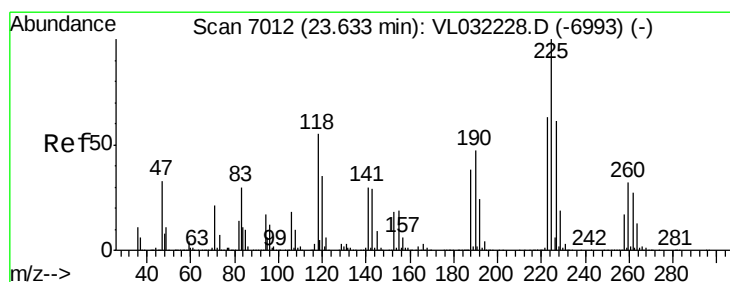
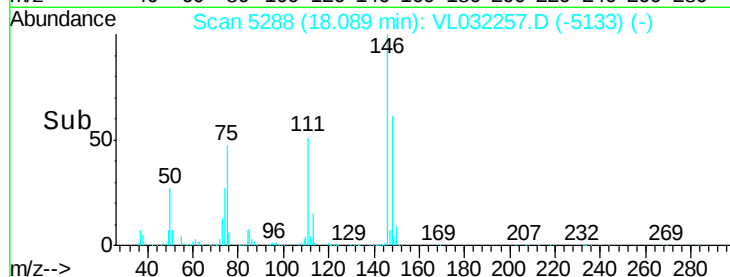
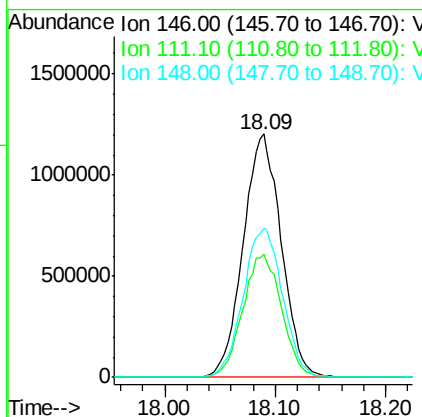
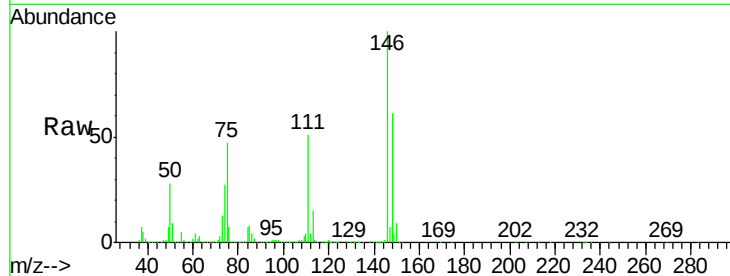
#77
 1,2-Dichlorobenzene
 Concen: 8.838 ppbv
 RT: 18.09 min Scan# 5288
 Delta R.T. -0.00 min
 Lab File: VL032257.D
 Acq: 13 Jul 2018 22:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:146 Resp: 2871684
 Ion Ratio Lower Upper
 146 100
 111 51.7 26.1 78.3
 148 63.4 32.0 96.0

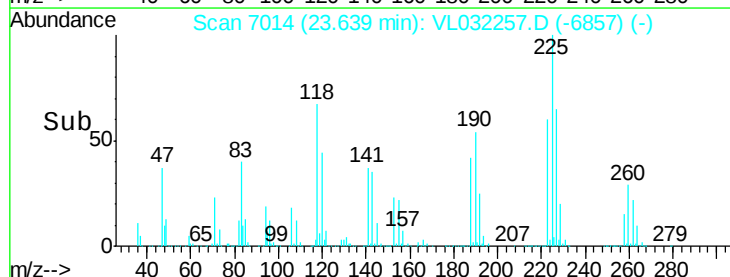
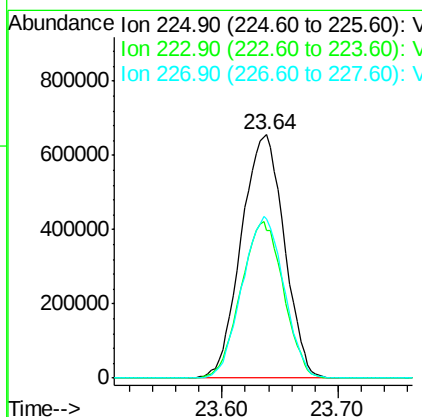
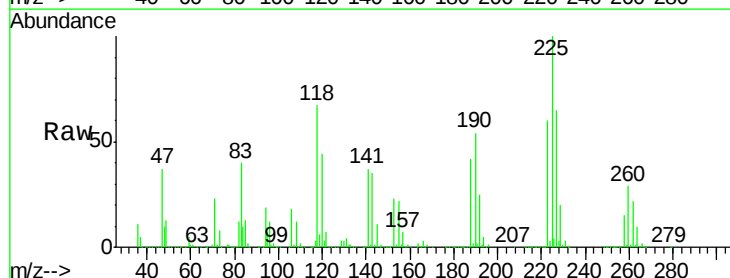
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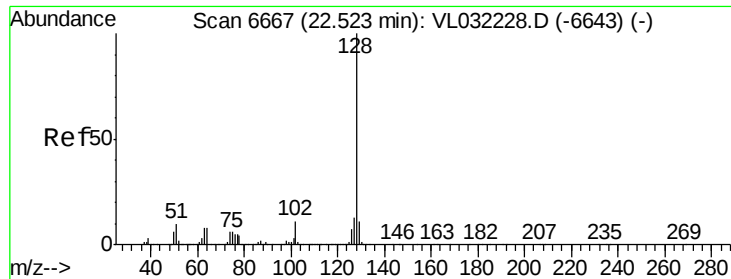
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#78
 Hexachloro-1,3-Butadiene
 Concen: 16.698 ppbv
 RT: 23.64 min Scan# 7014
 Delta R.T. 0.01 min
 Lab File: VL032257.D
 Acq: 13 Jul 2018 22:48

Tgt Ion:225 Resp: 1691029
 Ion Ratio Lower Upper
 225 100
 223 63.6 50.3 75.5
 227 64.8 50.9 76.3





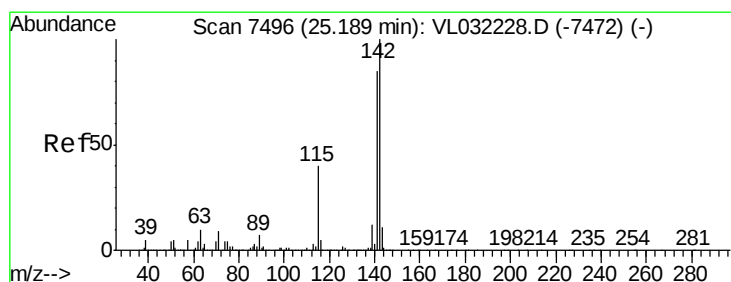
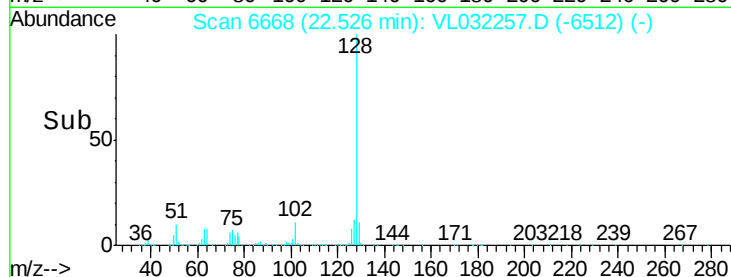
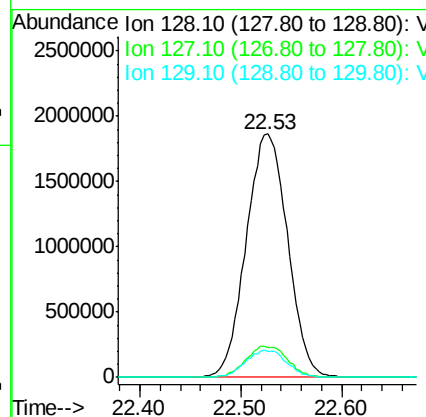
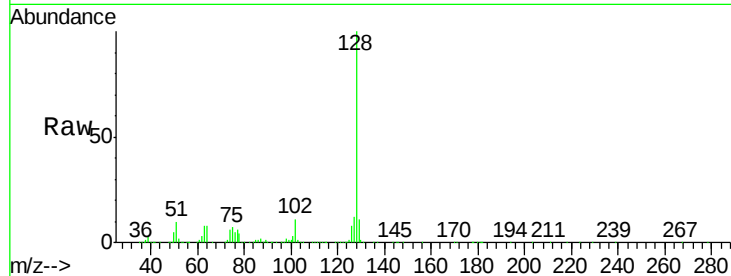
#79
Naphthalene
Concen: 14.436 ppbv
RT: 22.53 min Scan# 6668
Delta R.T. 0.00 min
Lab File: VL032257.D
Acq: 13 Jul 2018 22:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.0	15.0
129	10.7	9.0	13.4

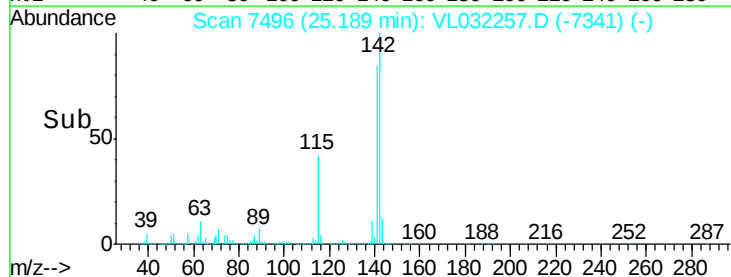
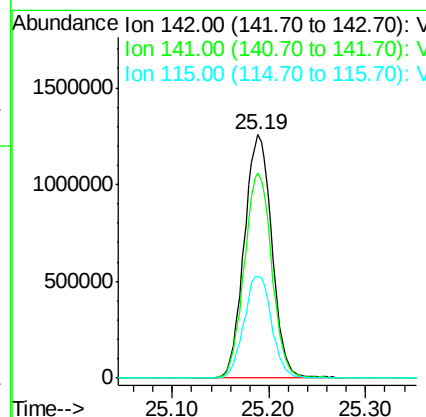
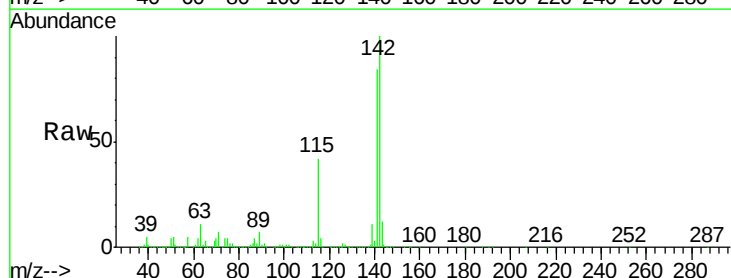
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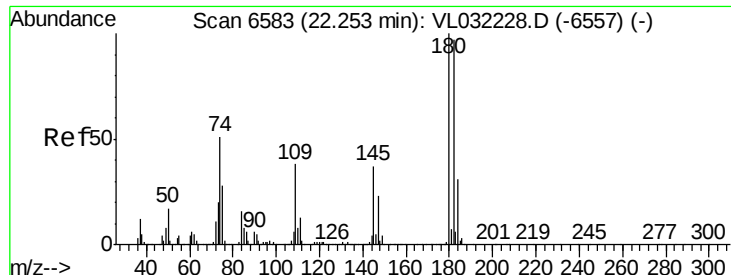
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#80
Naphthalene, 2-methyl-
Concen: 21.229 ppbv
RT: 25.19 min Scan# 7496
Delta R.T. -0.00 min
Lab File: VL032257.D
Acq: 13 Jul 2018 22:48

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.9	67.0	100.6
115	42.2	32.6	49.0





#81
 1,2,4-Trichlorobenzene
 Concen: 12.830 ppbv
 RT: 22.25 min Scan# 6583
 Delta R.T. -0.00 min
 Lab File: VL032257.D
 Acq: 13 Jul 2018 22:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.1	114.1
184	30.4	24.2	36.4

Manual Integrations
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