

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112918\
 Data File : VL032832.D
 Acq On : 29 Nov 2018 12:48
 Operator : SY/AP
 Sample : VL1129ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1129ABS01

Manual Integrations
 APPROVED

apatel
 12/4/2018 8:38:25 AM

Quant Time: Nov 30 06:49:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 14 2018
 QLast Update : Wed Nov 14 07:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1444209	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	3776487	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3725913m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2894271	10.39	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.90%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	1886192	9.086	ppbv	100
3) Chlorodifluoromethane	3.02	51	1069938	9.345	ppbv	99
4) Chloromethane	3.18	50	566377	8.921	ppbv	100
5) Vinyl Chloride	3.30	62	596565	8.868	ppbv	99
6) Bromomethane	3.52	94	400155	9.723	ppbv	94
7) Chloroethane	3.61	64	237980	9.815	ppbv	94
8) Dichlorotetrafluoroethane	3.23	85	1511691	9.241	ppbv	97
9) Propene	3.04	41	423359	9.240	ppbv	99
10) Heptane	8.26	43	1798257	10.280	ppbv	100
11) Trichlorofluoromethane	4.01	101	2392353	12.228	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1606059	10.050	ppbv	97
13) Ethanol	3.66	45	149936	9.990	ppbv	99
14) Bromoethene	3.80	108	727660	13.725	ppbv	99
15) Acetone	3.91	43	1509849	11.448	ppbv	100
16) 1,3-Butadiene	3.37	39	498752	9.765	ppbv	94
17) tert-Butyl alcohol	4.37	59	385786	9.326	ppbv	100
18) 1,1-Dichloroethene	4.36	96	733956	9.340	ppbv	98
19) Isopropyl Alcohol	4.03	45	1039044	11.826	ppbv	99
20) Methylene Chloride	4.42	84	691615	10.129	ppbv	95
21) Allyl Chloride	4.49	41	1135181	10.242	ppbv	99
22) trans-1,2-Dichloroethene	4.98	96	813541	10.602	ppbv	93
23) Vinyl Acetate	5.17	43	2388474	9.935	ppbv	99
24) 1,1-Dichloroethane	5.10	63	1874454	9.807	ppbv	99
25) Ethyl Acetate	5.78	43	2982847	9.704	ppbv	100
26) Hexane	5.79	57	1390974	10.165	ppbv	99
27) Carbon Disulfide	4.63	76	1938153	11.170	ppbv	99
28) Methyl tert-Butyl Ether	5.12	73	2293214	10.509	ppbv	100
29) Chloroform	5.86	83	2489944	10.209	ppbv	97
30) Cyclohexane	7.26	84	1255762	10.493	ppbv	97
31) cis-1,2-Dichloroethene	5.65	61	1423439	10.347	ppbv	100
32) 1,1,1-Trichloroethane	6.63	97	2527091	9.453	ppbv	99
34) 2-Butanone	5.34	43	1904789	9.725	ppbv	100
35) Carbon Tetrachloride	7.15	117	2772639	9.133	ppbv	99
36) Benzene	7.02	78	2946578	9.798	ppbv	98
37) 1,2-Dichloroethane	6.43	62	1932012	9.544	ppbv	100
38) Trichloroethene	7.98	130	1240629	10.194	ppbv	98
39) 1,2-Dichloropropane	7.75	63	1102938	9.626	ppbv	99
40) 1,4-Dioxane	7.97	88	404662	9.888	ppbv	93
41) Tetrahydrofuran	6.16	42	1122935	9.995	ppbv	99
42) Bromodichloromethane	7.93	83	2668313	9.723	ppbv	100
43) Methyl Methacrylate	8.15	69	1168354	10.407	ppbv	97

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Manual Integrations
 APPROVED

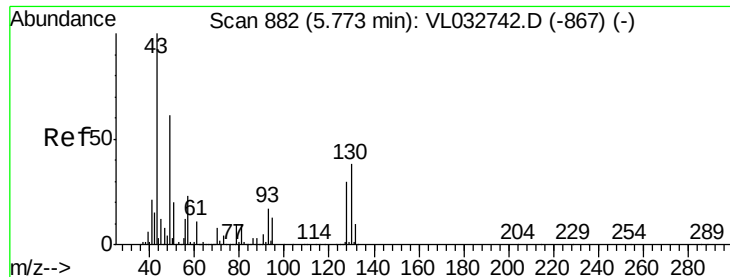
apatel
 12/4/2018 8:38:25 AM

Quant Time: Nov 30 06:49:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 1
 QLast Update : Wed Nov 14 07:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	8.00	57	4960762	9.871	ppbv	100
45) t-1,3-Dichloropropene	9.43	75	1728984	11.477	ppbv	98
46) cis-1,3-Dichloropropene	8.85	75	1977749	10.866	ppbv	100
47) 1,1,2-Trichloroethane	9.63	97	1345548	9.931	ppbv	96
48) Dibromochloromethane	10.46	129	2354908	10.227	ppbv	100
49) Bromoform	13.22	173	2028733	10.668	ppbv	99
50) 4-Methyl-2-Pentanone	8.88	43	3005694	9.825	ppbv	99
51) 2-Hexanone	10.28	43	2073254	10.519	ppbv #	100
52) Tetrachloroethene	11.39	164	1103475	10.548	ppbv	99
53) Toluene	9.96	91	3412309	10.877	ppbv	100
54) 1,2-Dibromoethane	10.78	107	1959772	10.233	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.29	131	1647955	9.483	ppbv	99
57) Chlorobenzene	12.32	112	2697347	9.457	ppbv	99
58) Ethyl Benzene	12.88	91	4743516	10.579	ppbv	99
59) m/p-Xylene	13.16	91	7870168m	19.716	ppbv	
60) o-Xylene	13.87	91	3932122	9.797	ppbv	100
61) Styrene	13.70	104	2876019	11.007	ppbv	99
62) Isopropylbenzene	14.84	105	5574971	10.276	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.85	83	2718532	8.689	ppbv	100
64) n-propylbenzene	15.74	120	1415357	9.919	ppbv	97
65) tert-Butylbenzene	16.92	119	4947470	10.173	ppbv	98
66) Benzyl Chloride	17.17	91	2765814	10.287	ppbv	100
67) sec-Butylbenzene	17.47	105	6868319	9.800	ppbv	100
69) p-Isopropyltoluene	17.83	119	5618262	10.082	ppbv	99
70) n-Butylbenzene	18.73	91	5566508	9.837	ppbv	99
71) 2-Chlorotoluene	15.63	91	4090225	10.110	ppbv	99
72) 4-Ethyltoluene	16.02	105	4477495	10.178	ppbv	99
73) 1,3,5-Trimethylbenzene	16.17	105	4561142	10.604	ppbv	100
74) 1,2,4-Trimethylbenzene	16.94	105	4372827	9.500	ppbv	98
75) 1,3-Dichlorobenzene	17.18	146	2457265	9.307	ppbv	99
76) 1,4-Dichlorobenzene	17.32	146	2378354	9.644	ppbv	100
77) 1,2-Dichlorobenzene	18.00	146	2369582	9.701	ppbv	99
78) Hexachloro-1,3-Butadiene	23.56	225	946946	7.183	ppbv	99
79) Naphthalene	22.43	128	3216254	10.637	ppbv	99
80) Naphthalene,2-methyl-	25.13	142	710467	9.381	ppbv	99
81) 1,2,4-Trichlorobenzene	22.15	180	1634304	10.763	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 882

Delta R.T. 0.00 min

Lab File: VL032832.D

Acq: 29 Nov 2018 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1129ABS01

Tgt Ion: 49 Resp: 1444209

Ion Ratio Lower Upper

49 100

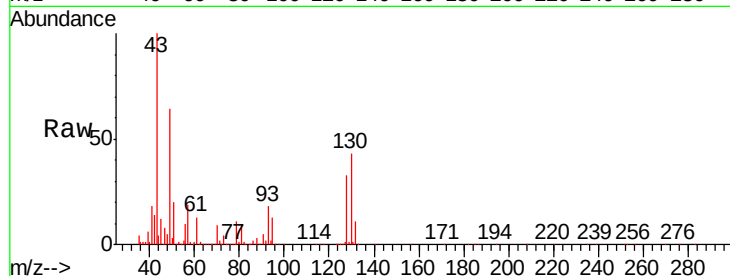
128 52.4 24.9 74.6

130 67.5 31.4 94.2

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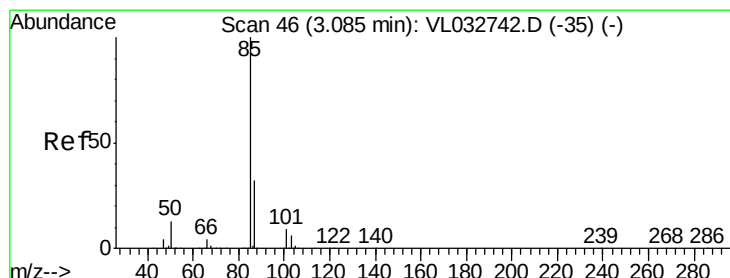
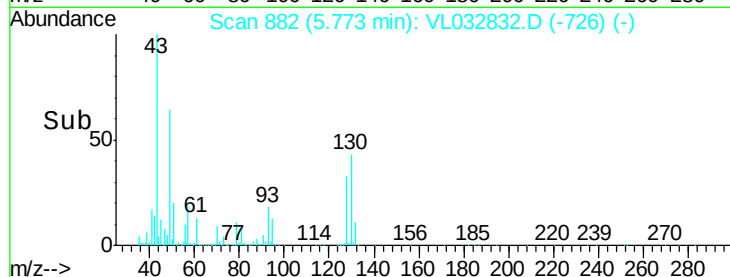
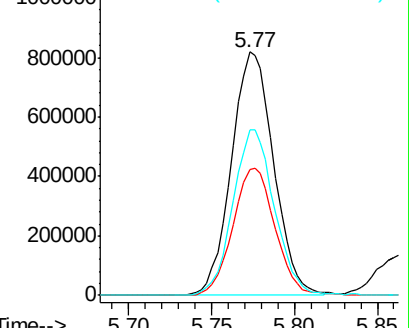
12/4/2018 8:38:25 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.086 ppbv

RT: 3.08 min Scan# 46

Delta R.T. 0.00 min

Lab File: VL032832.D

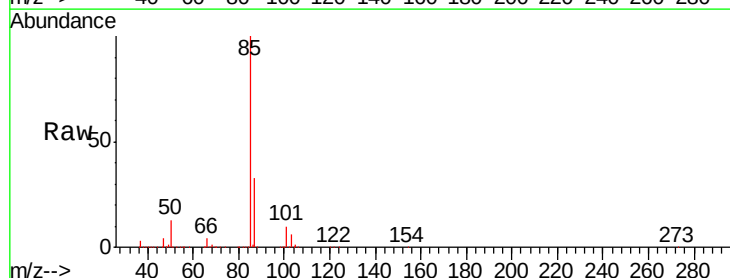
Acq: 29 Nov 2018 12:48

Tgt Ion: 85 Resp: 1886192

Ion Ratio Lower Upper

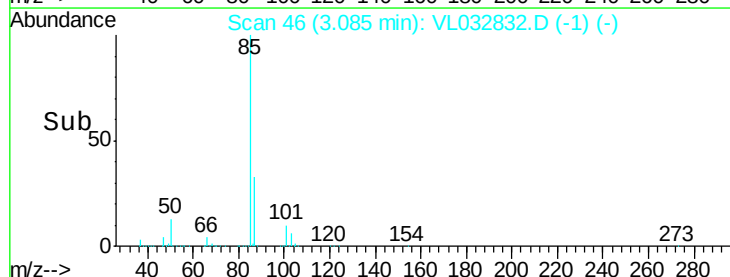
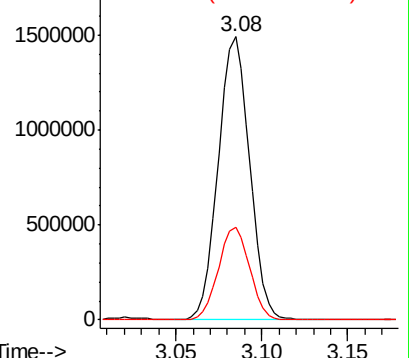
85 100

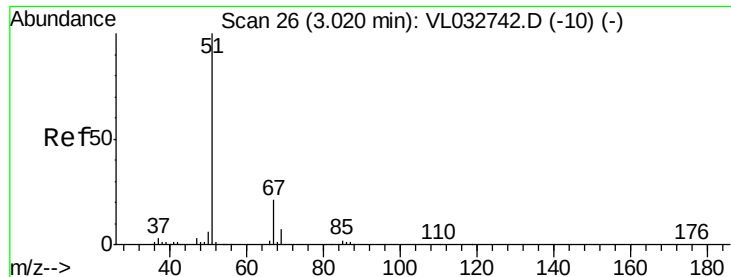
87 32.5 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.345 ppbv

RT: 3.02 min Scan# 26

Delta R.T. 0.00 min

Lab File: VL032832.D

Acq: 29 Nov 2018 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1129ABS01

Tgt Ion: 51 Resp: 1069938

Ion Ratio Lower Upper

51 100

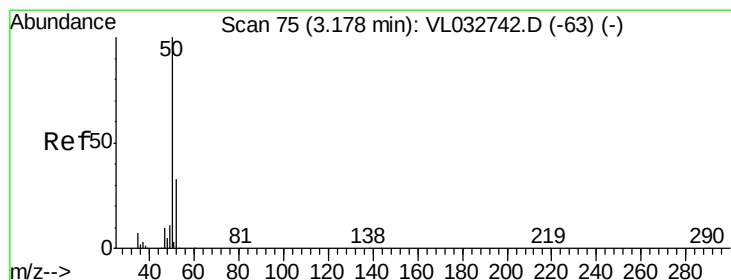
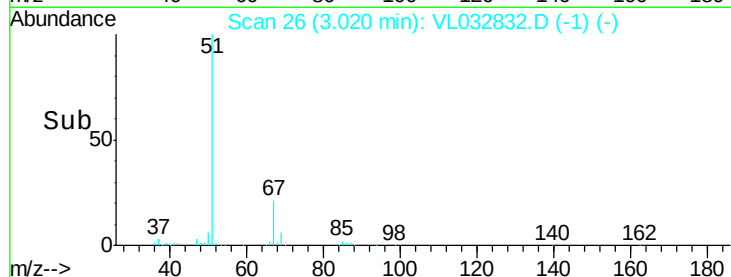
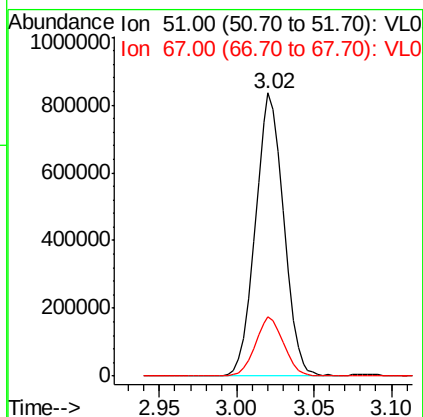
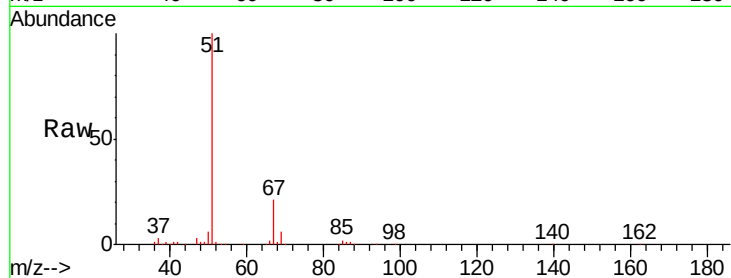
67 20.7 16.1 24.1

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#4

Chloromethane

Concen: 8.921 ppbv

RT: 3.18 min Scan# 75

Delta R.T. 0.00 min

Lab File: VL032832.D

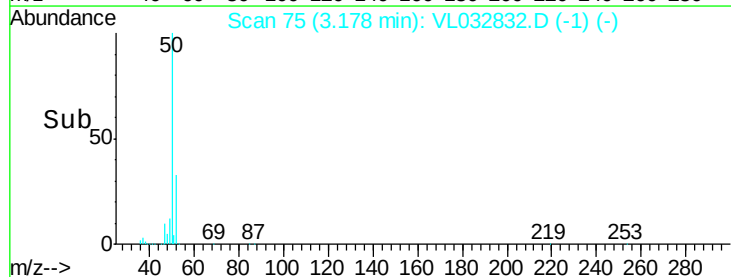
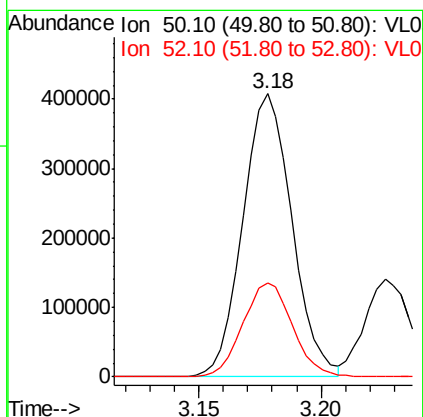
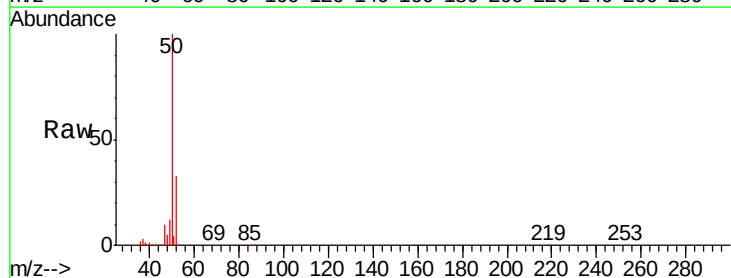
Acq: 29 Nov 2018 12:48

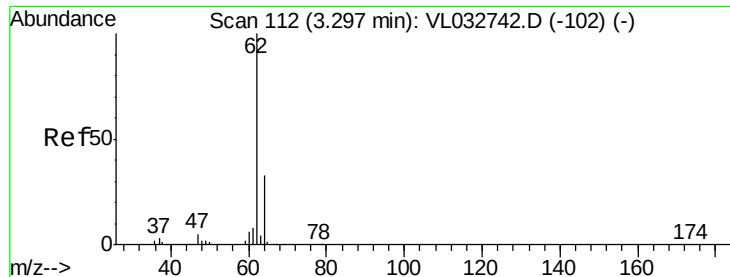
Tgt Ion: 50 Resp: 566377

Ion Ratio Lower Upper

50 100

52 33.1 26.6 40.0





#5

Vinyl Chloride

Concen: 8.868 ppbv

RT: 3.30 min Scan# 113

Delta R.T. 0.00 min

Lab File: VL032832.D

Acq: 29 Nov 2018 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1129ABS01

Tgt Ion: 62 Resp: 596565

Ion Ratio Lower Upper

62 100

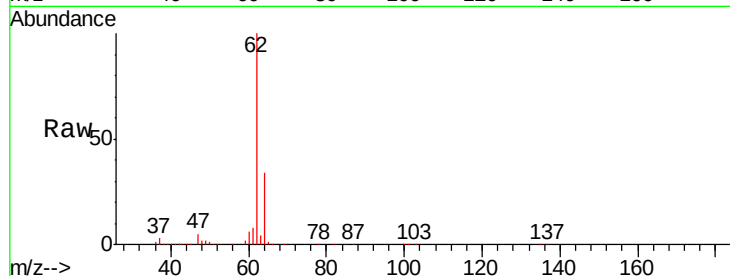
64 33.6 26.2 39.4

Manual Integrations

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.30

400000

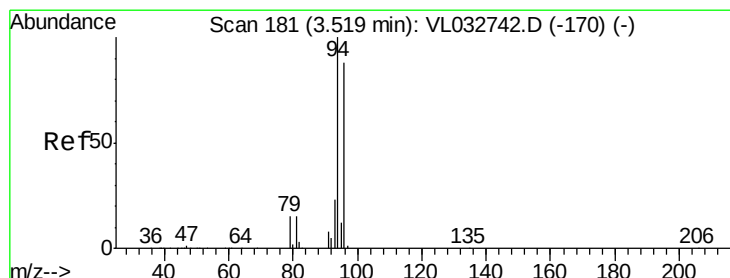
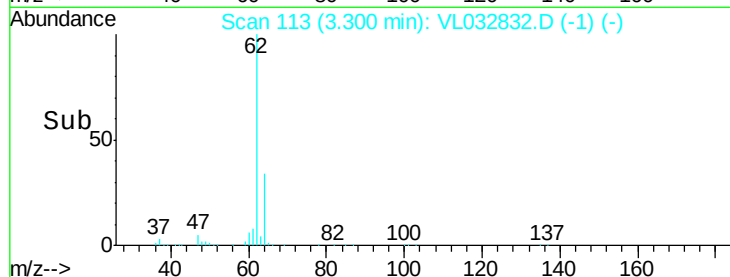
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 9.723 ppbv

RT: 3.52 min Scan# 182

Delta R.T. 0.00 min

Lab File: VL032832.D

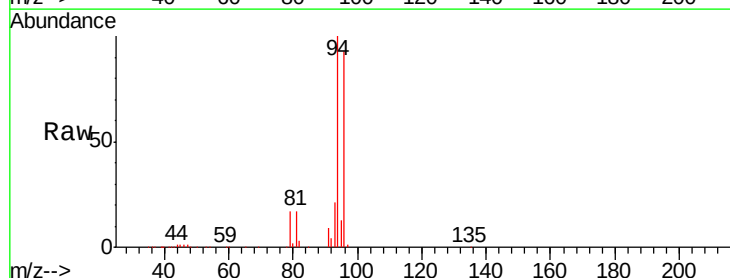
Acq: 29 Nov 2018 12:48

Tgt Ion: 94 Resp: 400155

Ion Ratio Lower Upper

94 100

96 92.9 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.52

300000

250000

200000

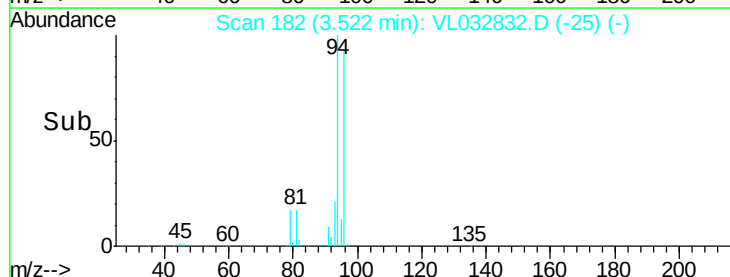
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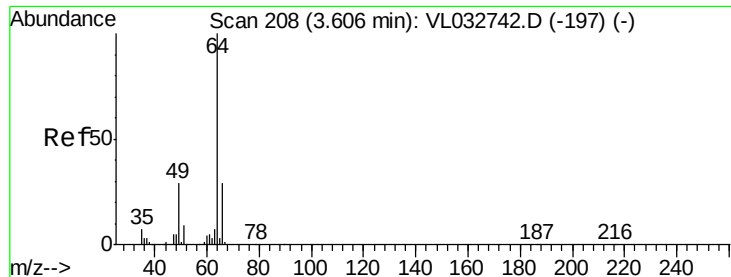
100000

50000

0

Time-->





#7

Chloroethane

Concen: 9.815 ppbv

RT: 3.61 min Scan# 209

Delta R.T. 0.00 min

Lab File: VL032832.D

Acq: 29 Nov 2018 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1129ABS01

Tgt Ion: 64 Resp: 237980

Ion Ratio Lower Upper

64 100

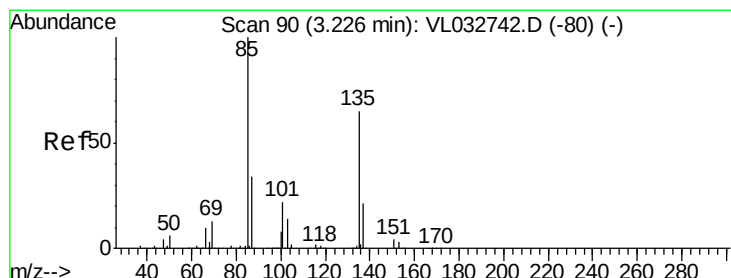
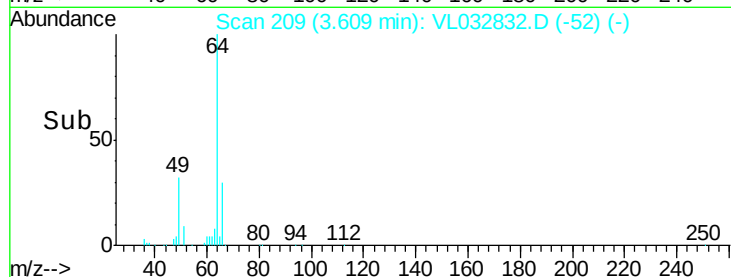
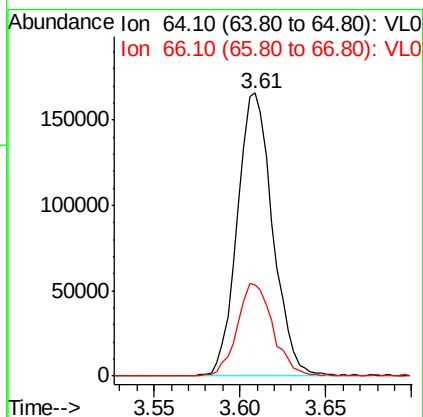
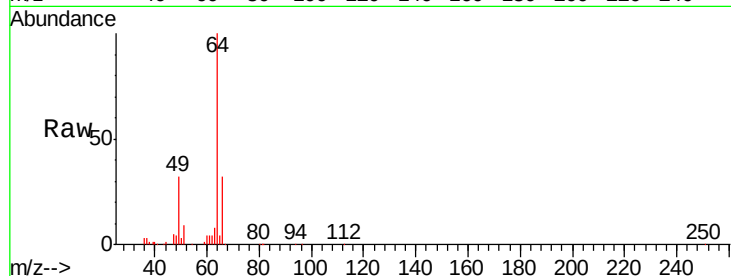
66 32.3 23.2 34.8

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.241 ppbv

RT: 3.23 min Scan# 90

Delta R.T. 0.00 min

Lab File: VL032832.D

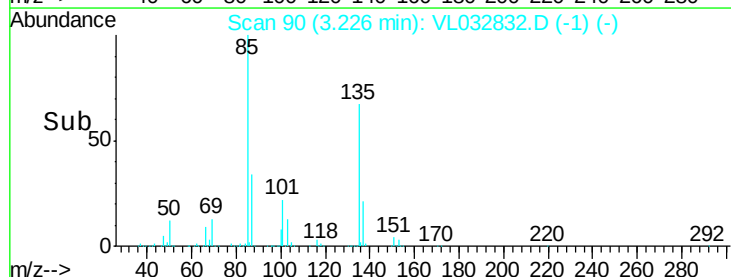
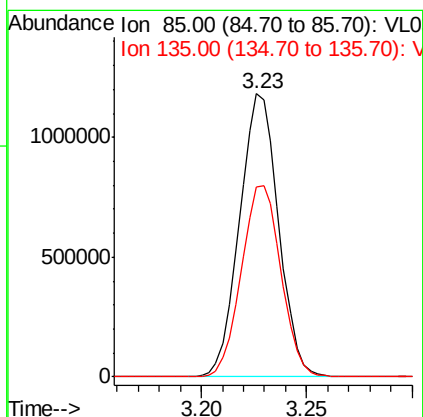
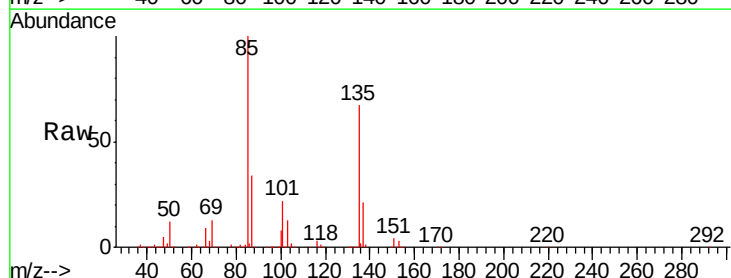
Acq: 29 Nov 2018 12:48

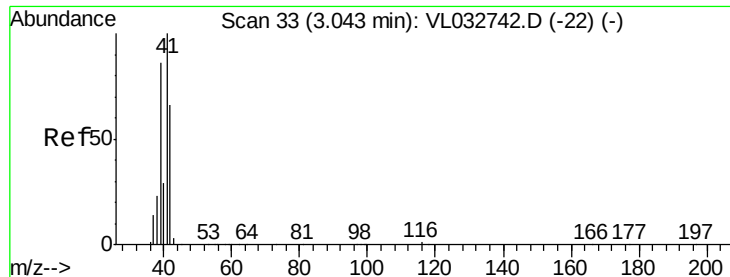
Tgt Ion: 85 Resp: 1511691

Ion Ratio Lower Upper

85 100

135 69.3 53.8 80.8





#9

Propene

Concen: 9.240 ppbv

RT: 3.04 min Scan# 33

Delta R.T. 0.00 min

Lab File: VL032832.D

Acq: 29 Nov 2018 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1129ABS01

Tgt Ion: 41 Resp: 423359

Ion Ratio Lower Upper

41 100

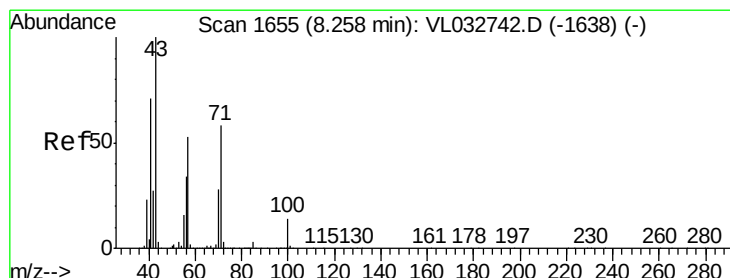
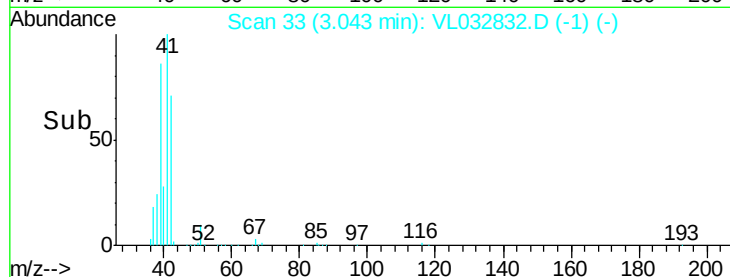
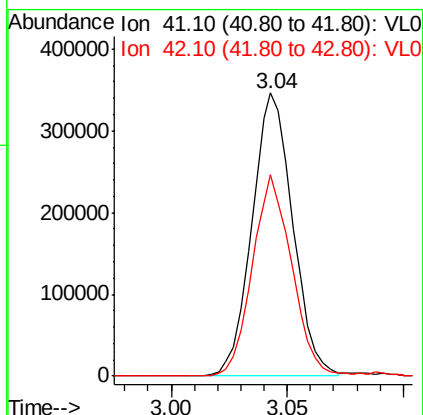
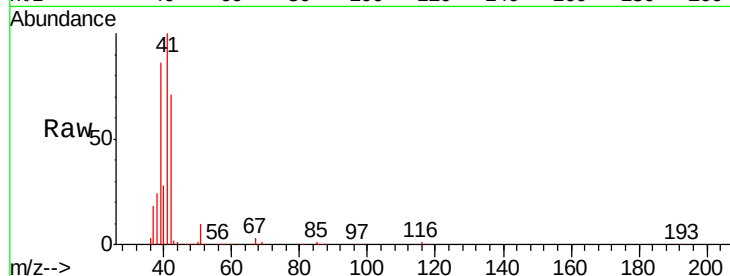
42 70.0 55.0 82.6

Manual Integrations

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#10

Heptane

Concen: 10.280 ppbv

RT: 8.26 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VL032832.D

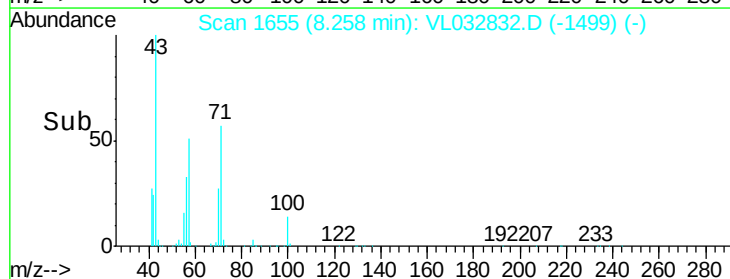
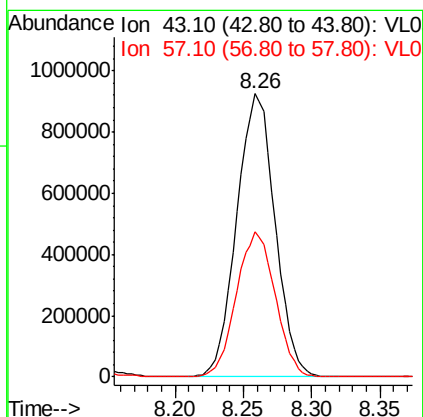
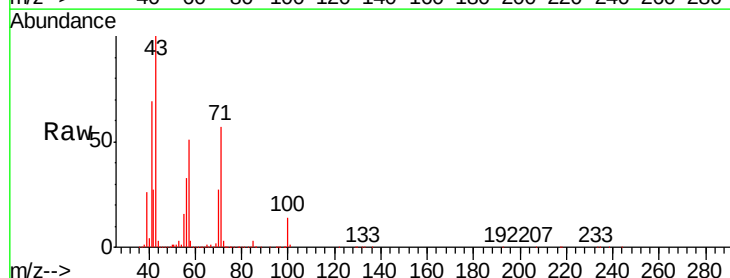
Acq: 29 Nov 2018 12:48

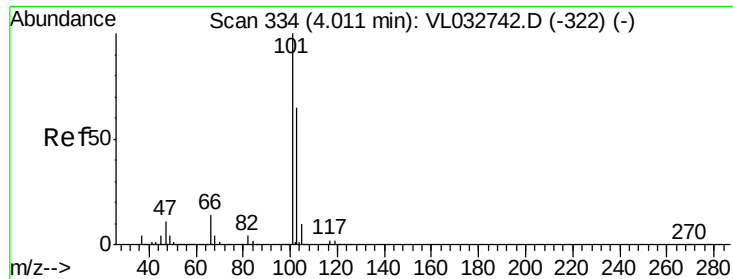
Tgt Ion: 43 Resp: 1798257

Ion Ratio Lower Upper

43 100

57 52.0 41.8 62.8





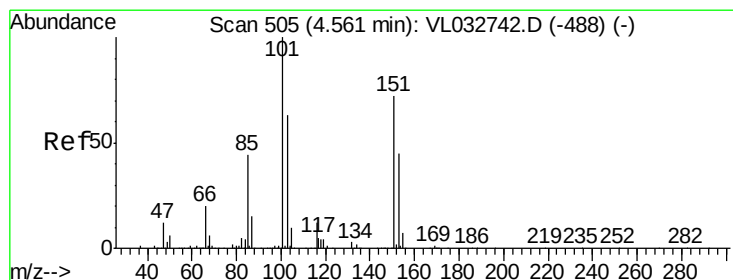
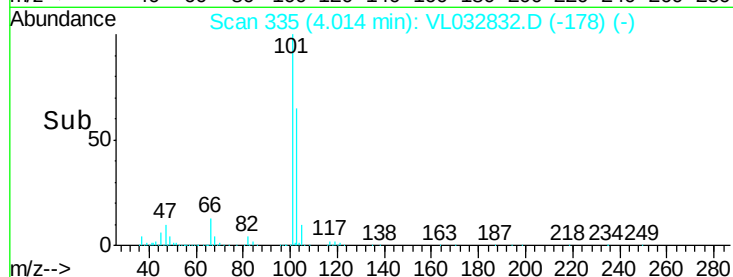
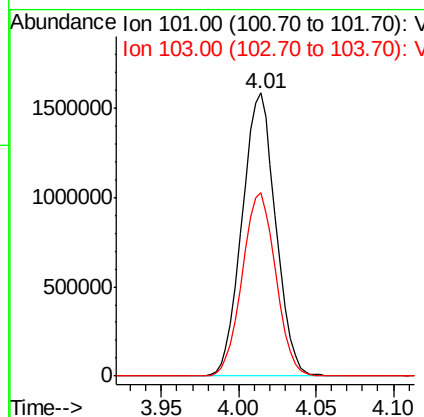
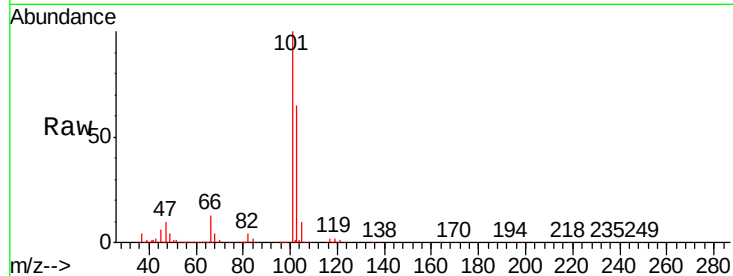
#11
 Trichlorofluoromethane
 Concen: 12.228 ppbv
 RT: 4.01 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VL032832.D
 Acq: 29 Nov 2018 12:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1129ABS01

Tgt Ion:101 Resp: 2392353
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.6 77.4

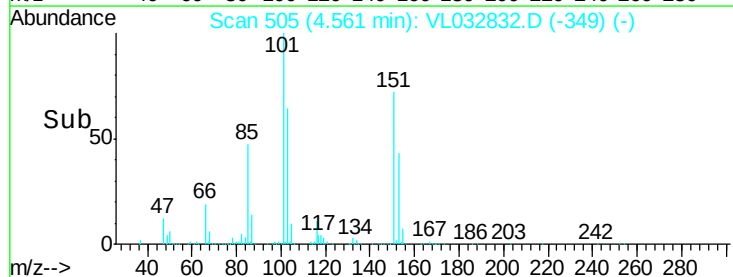
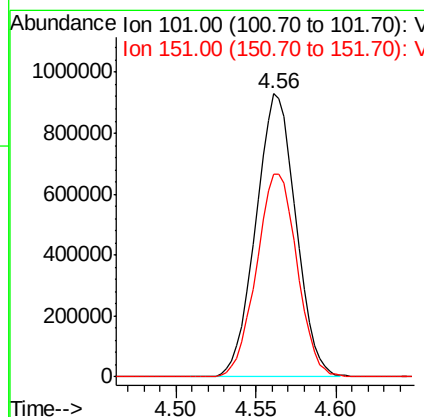
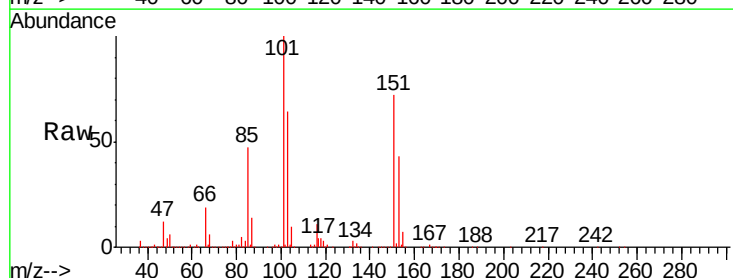
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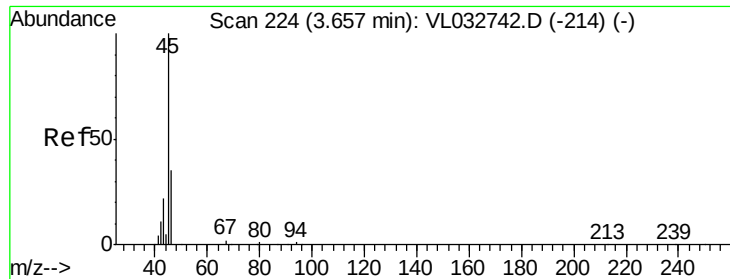
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.050 ppbv
 RT: 4.56 min Scan# 505
 Delta R.T. 0.00 min
 Lab File: VL032832.D
 Acq: 29 Nov 2018 12:48

Tgt Ion:101 Resp: 1606059
 Ion Ratio Lower Upper
 101 100
 151 73.2 56.7 85.1





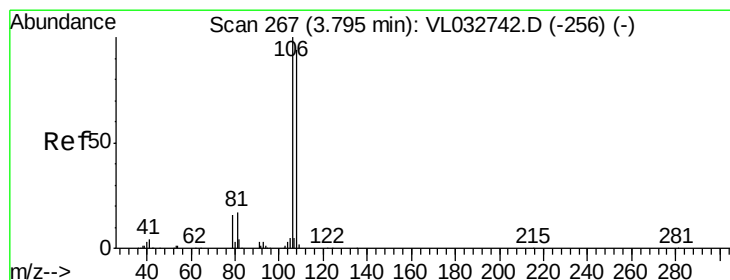
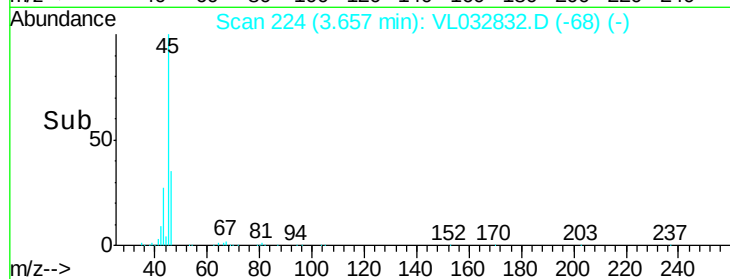
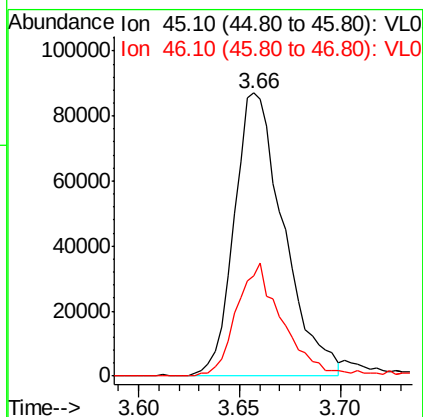
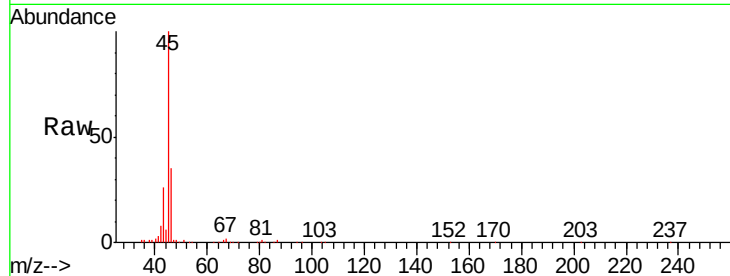
#13
Ethanol
Concen: 9.990 ppbv
RT: 3.66 min Scan# 224
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL1129ABS01

Tgt Ion: 45 Resp: 149936
Ion Ratio Lower Upper
45 100
46 37.0 14.5 57.9

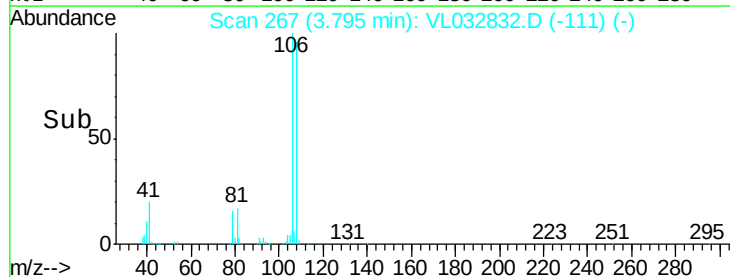
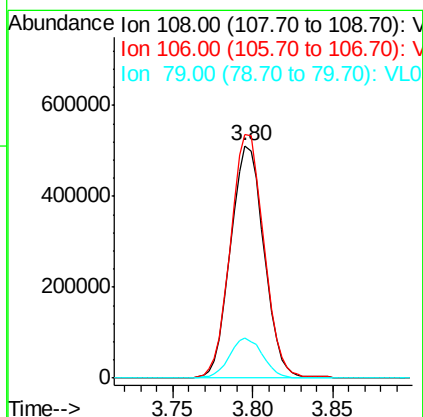
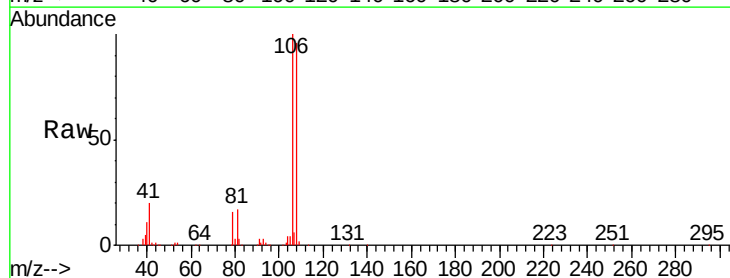
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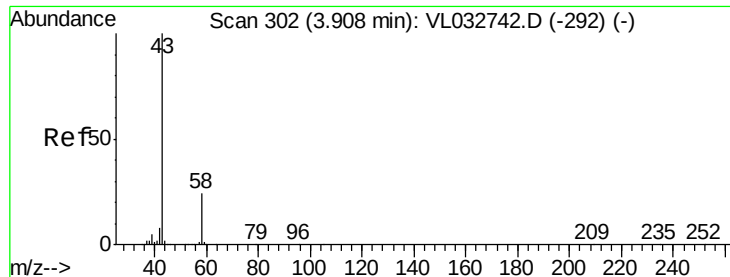
apatel
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#14
Bromoethene
Concen: 13.725 ppbv
RT: 3.80 min Scan# 267
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Tgt Ion: 108 Resp: 727660
Ion Ratio Lower Upper
108 100
106 105.1 84.9 127.3
79 17.4 14.2 21.4





#15

Acetone

Concen: 11.448 ppbv

RT: 3.91 min Scan# 303

Delta R.T. 0.00 min

Lab File: VL032832.D

Acq: 29 Nov 2018 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1129ABS01

Tgt Ion: 43 Resp: 1509849

Ion Ratio Lower Upper

43 100

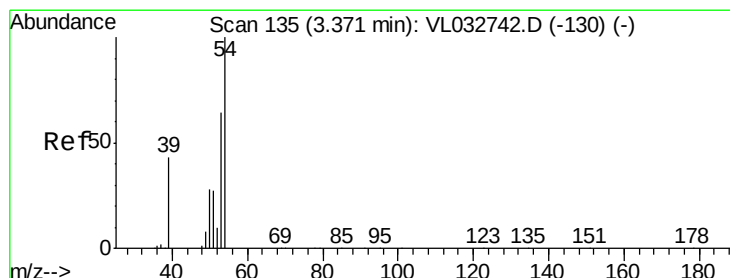
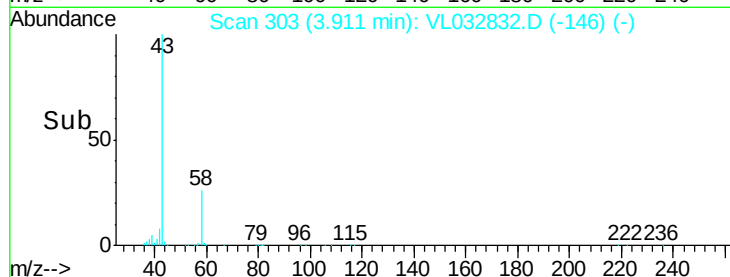
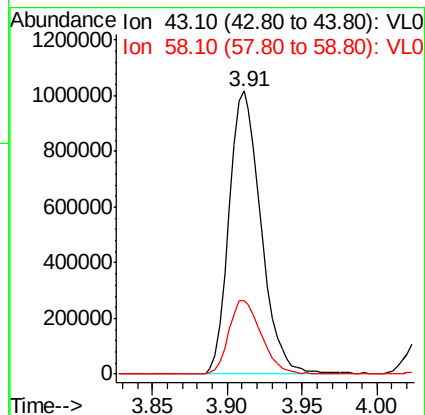
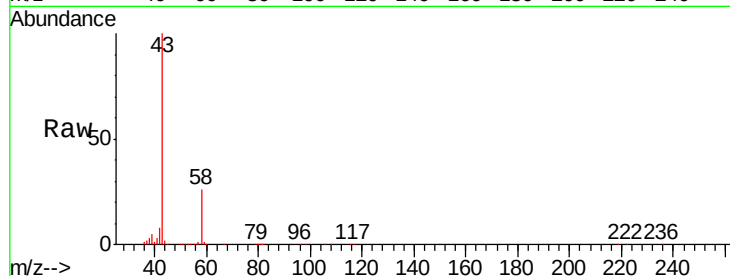
58 26.7 21.1 31.7

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#16

1,3-Butadiene

Concen: 9.765 ppbv

RT: 3.37 min Scan# 135

Delta R.T. 0.00 min

Lab File: VL032832.D

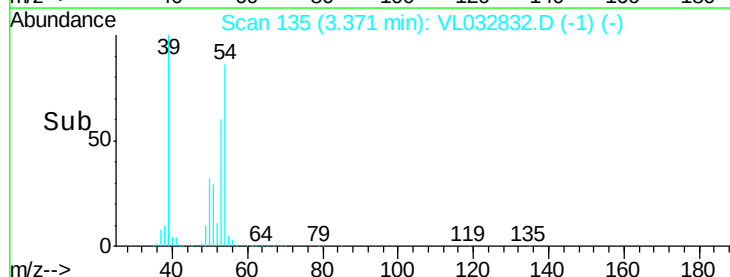
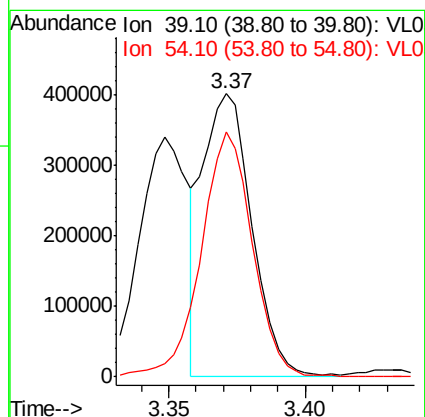
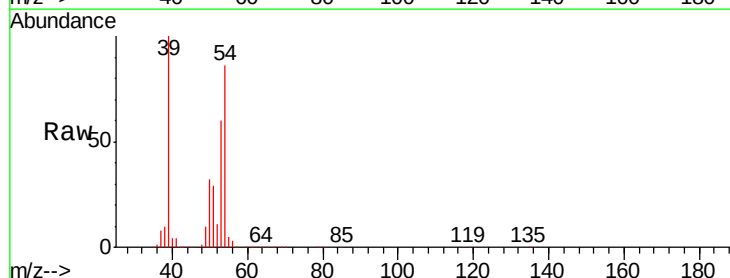
Acq: 29 Nov 2018 12:48

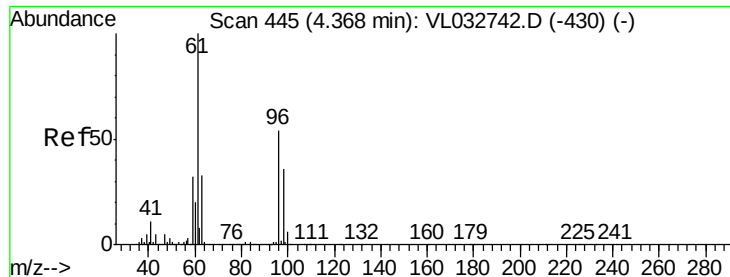
Tgt Ion: 39 Resp: 498752

Ion Ratio Lower Upper

39 100

54 91.6 68.9 103.3





#17

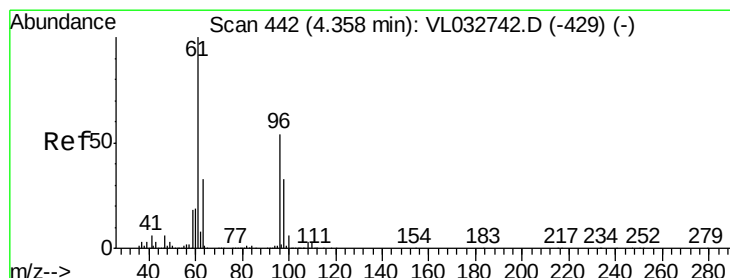
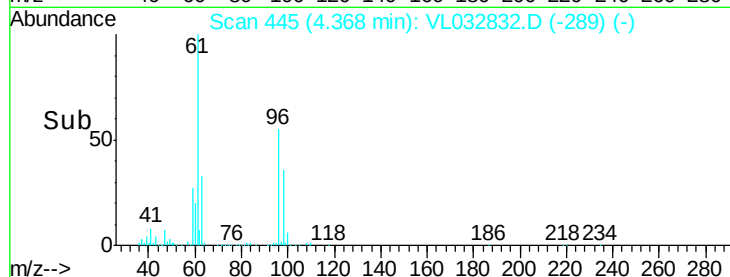
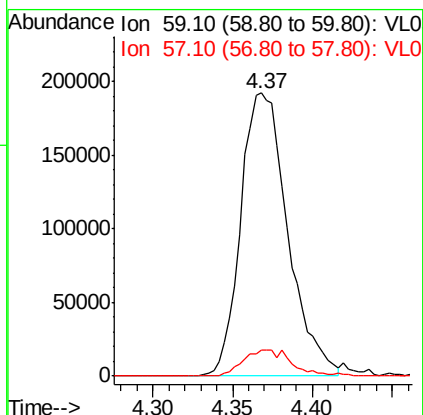
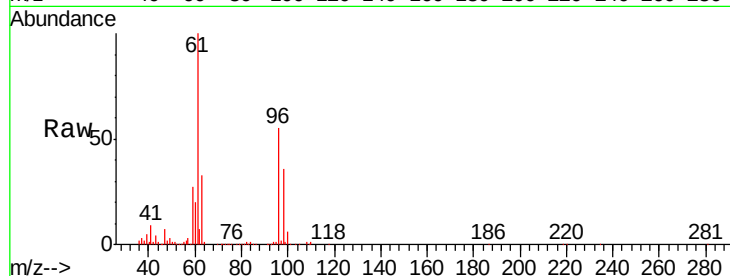
tert-Butyl alcohol
Concen: 9.326 ppbv
RT: 4.37 min Scan# 445
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL1129ABS01

Tgt Ion: 59 Resp: 385786
Ion Ratio Lower Upper
59 100
57 9.9 7.8 11.8

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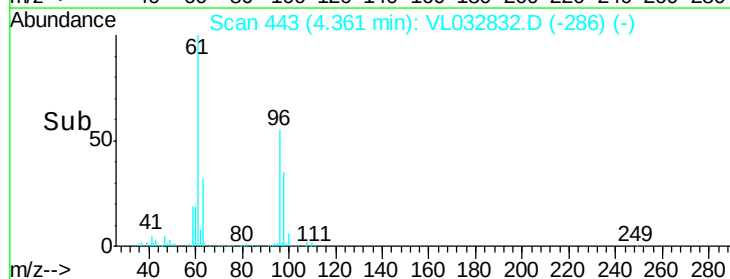
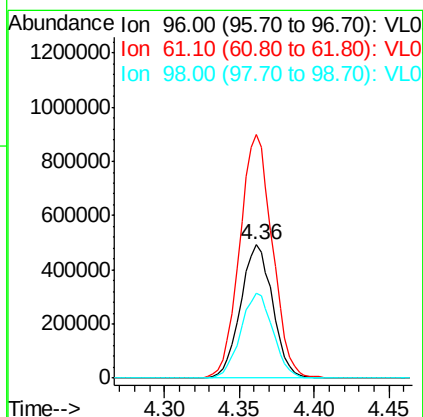
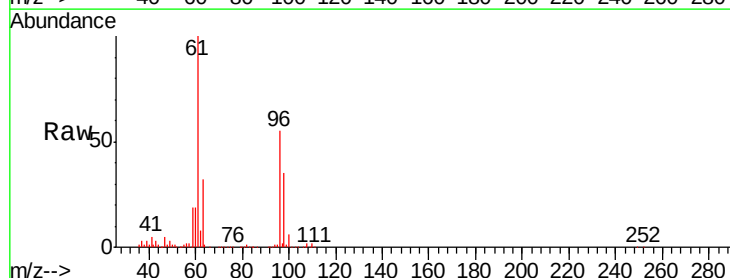
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12/4/2018 8:38:25 AM

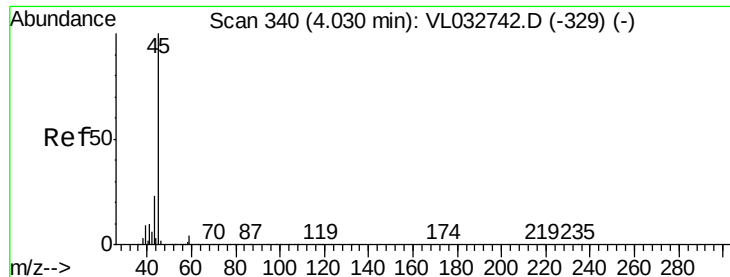


#18

1,1-Dichloroethene
Concen: 9.340 ppbv
RT: 4.36 min Scan# 443
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Tgt Ion: 96 Resp: 733956
Ion Ratio Lower Upper
96 100
61 183.1 148.5 222.7
98 63.4 48.6 72.8





#19

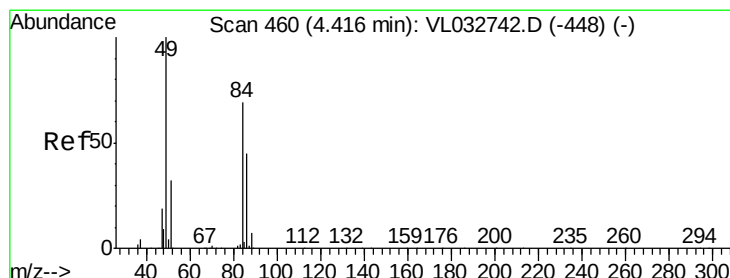
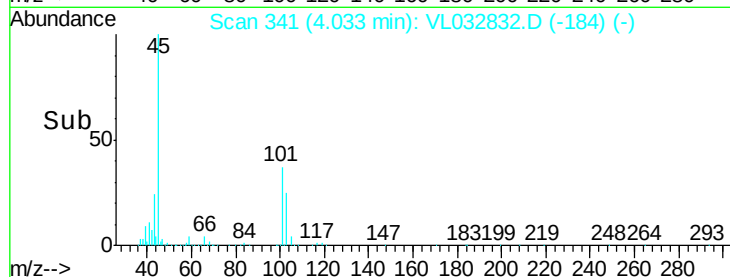
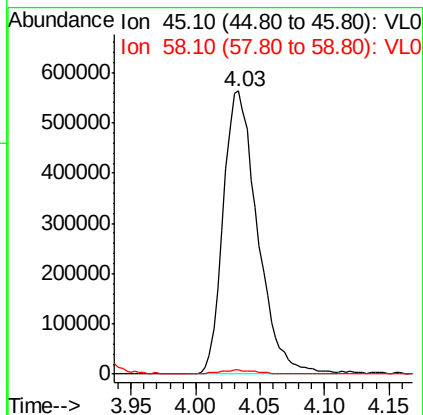
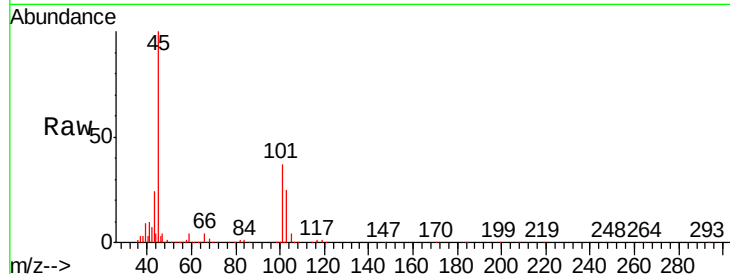
Isopropyl Alcohol
 Concen: 11.826 ppbv
 RT: 4.03 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VL032832.D
 Acq: 29 Nov 2018 12:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1129ABS01

Tgt Ion: 45 Resp: 1039044
 Ion Ratio Lower Upper
 45 100
 58 2.0 1.4 2.0

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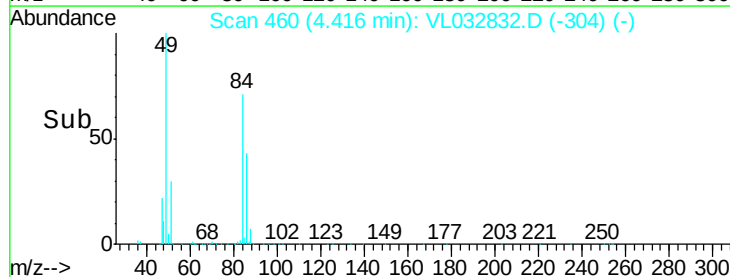
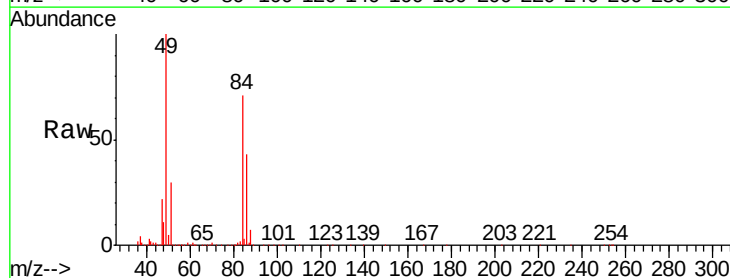
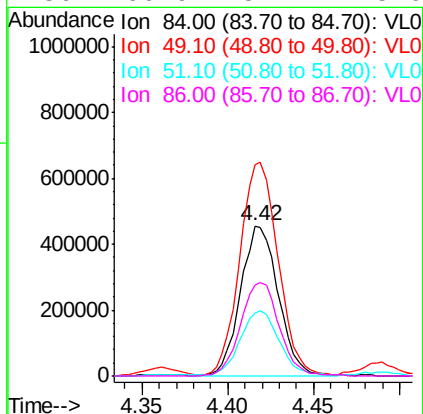
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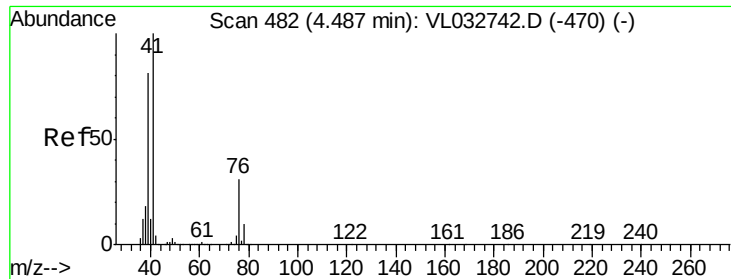


#20

Methylene Chloride
 Concen: 10.129 ppbv
 RT: 4.42 min Scan# 460
 Delta R.T. 0.00 min
 Lab File: VL032832.D
 Acq: 29 Nov 2018 12:48

Tgt Ion: 84 Resp: 691615
 Ion Ratio Lower Upper
 84 100
 49 139.9 115.8 173.6
 51 41.4 36.9 55.3
 86 60.9 52.4 78.6





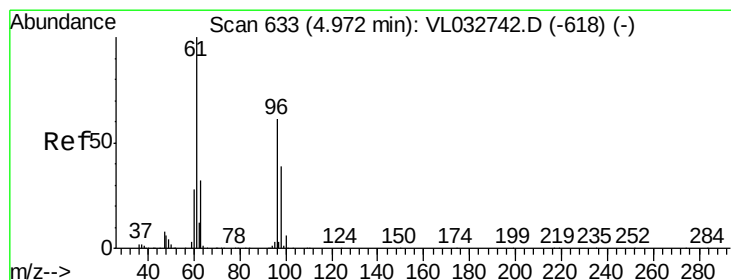
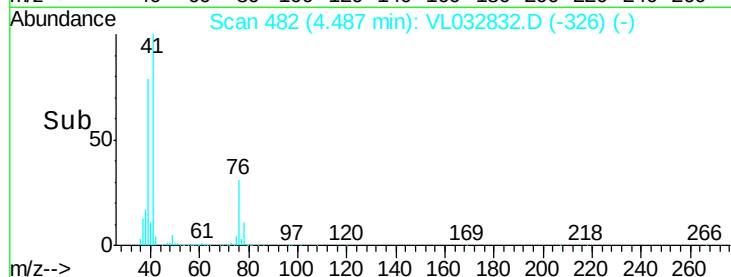
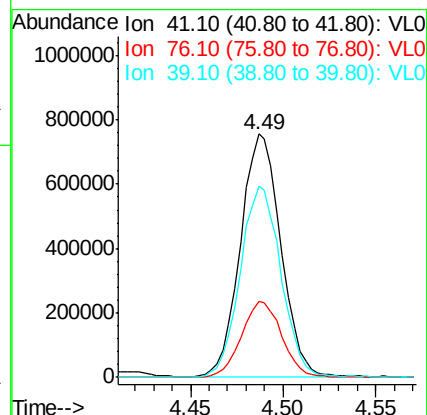
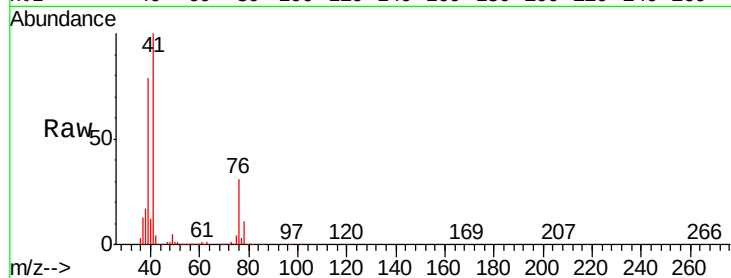
#21
 Allyl Chloride
 Concen: 10.242 ppbv
 RT: 4.49 min Scan# 482
 Delta R.T. 0.00 min
 Lab File: VL032832.D
 Acq: 29 Nov 2018 12:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1129ABS01

Tgt Ion: 41 Resp: 1135181
 Ion Ratio Lower Upper
 41 100
 76 31.4 24.4 36.6
 39 79.9 63.5 95.3

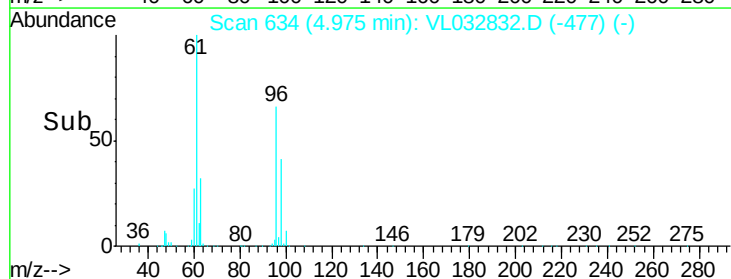
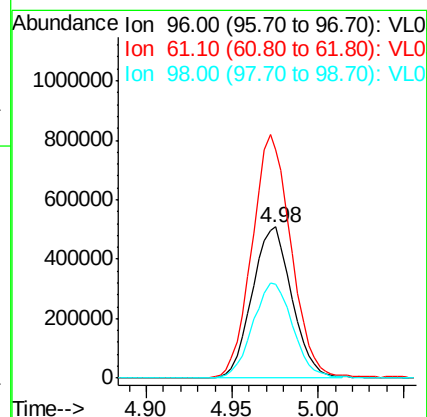
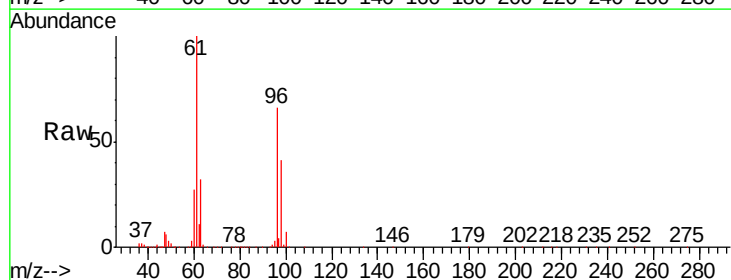
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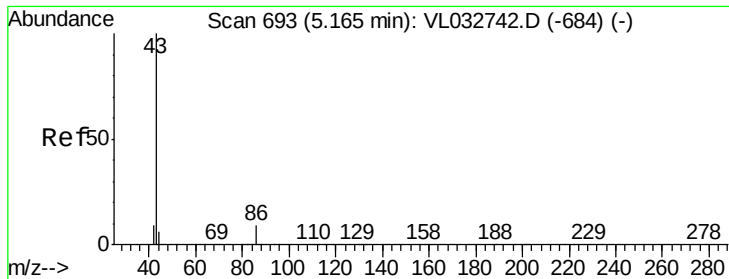
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#22
 trans-1,2-Dichloroethene
 Concen: 10.602 ppbv
 RT: 4.98 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VL032832.D
 Acq: 29 Nov 2018 12:48

Tgt Ion: 96 Resp: 813541
 Ion Ratio Lower Upper
 96 100
 61 151.2 130.2 195.2
 98 62.0 50.2 75.2





#23

Vinyl Acetate

Concen: 9.935 ppbv

RT: 5.17 min Scan# 693

Delta R.T. 0.00 min

Lab File: VL032832.D

Acq: 29 Nov 2018 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1129ABS01

Tgt Ion: 43 Resp: 2388474

Ion Ratio Lower Upper

43 100

86 8.1 6.2 9.4

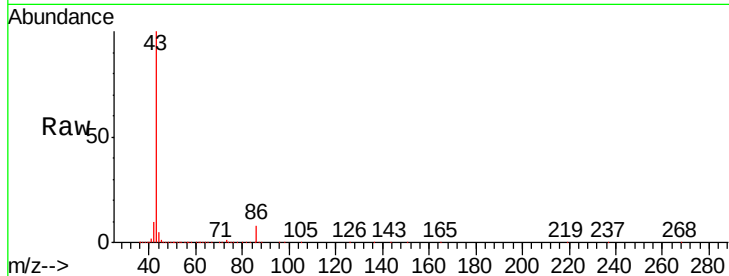
42 10.1 7.8 11.6

44 5.3 4.4 6.6

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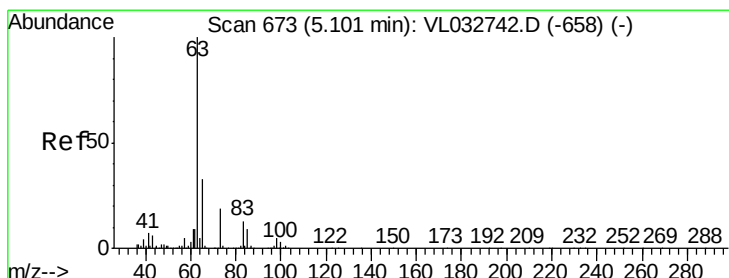
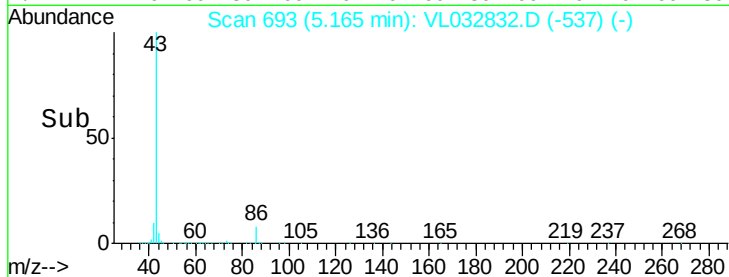
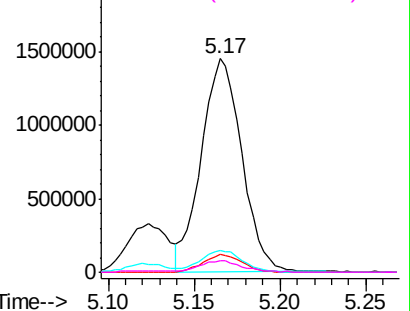


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.807 ppbv

RT: 5.10 min Scan# 674

Delta R.T. 0.00 min

Lab File: VL032832.D

Acq: 29 Nov 2018 12:48

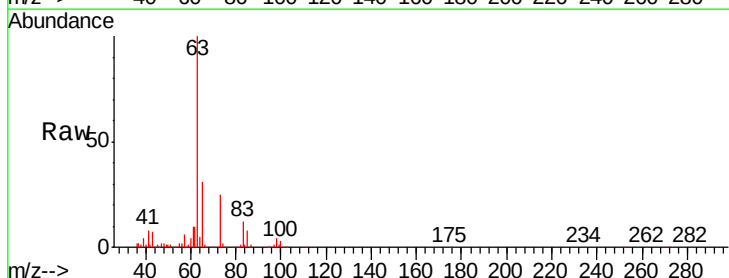
Tgt Ion: 63 Resp: 1874454

Ion Ratio Lower Upper

63 100

98 4.1 2.3 6.8

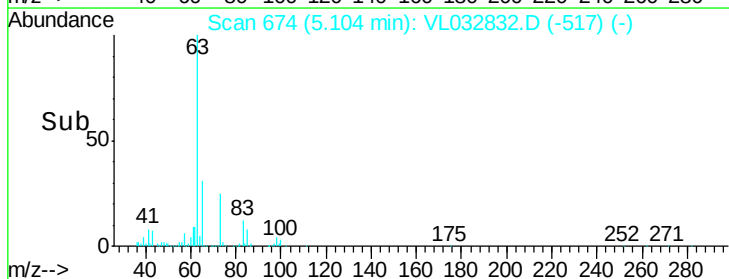
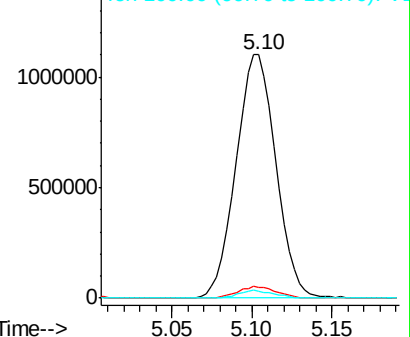
100 3.2 1.4 4.2

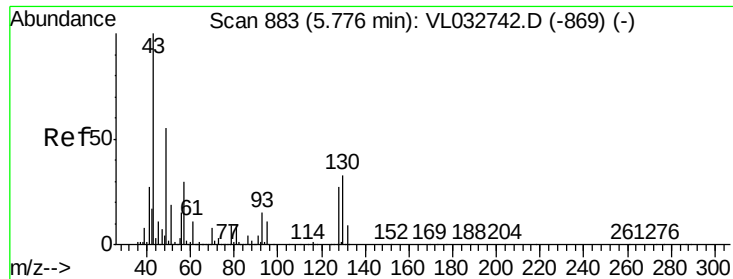


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





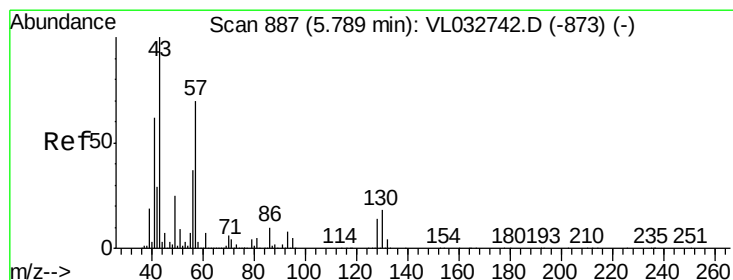
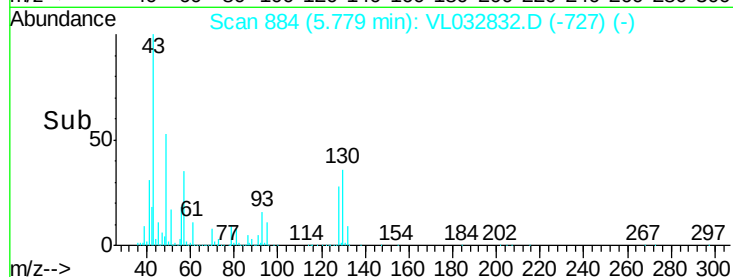
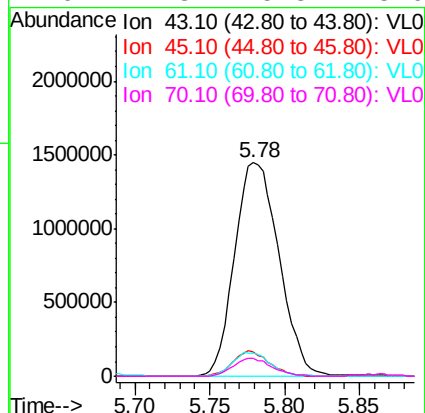
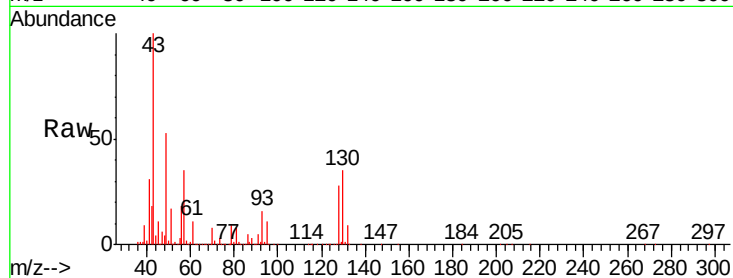
#25
Ethyl Acetate
Concen: 9.704 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL1129ABS01

Tgt Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.9	11.9
61	9.8	7.8	11.6
70	7.3	5.8	8.6

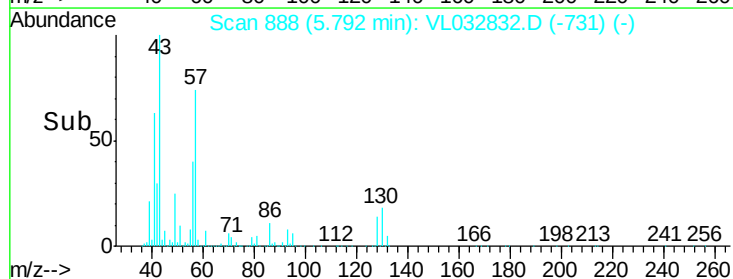
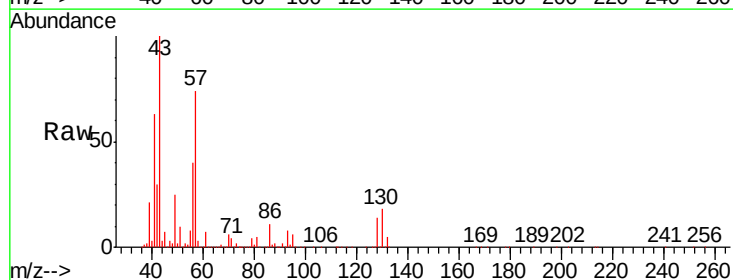
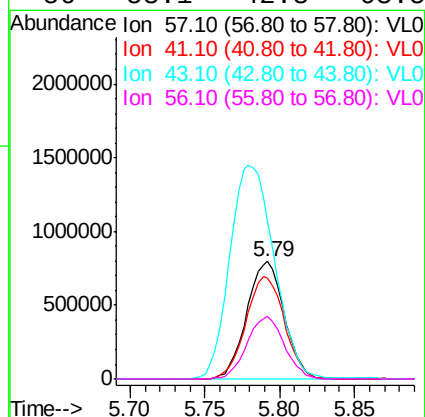
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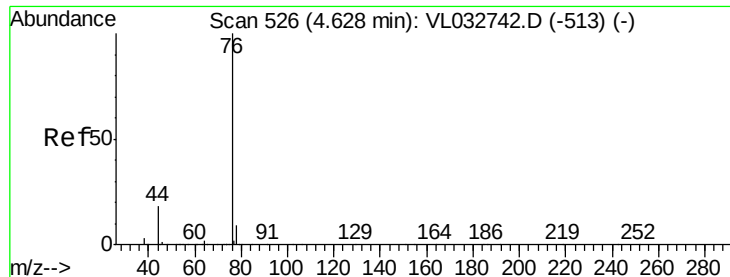
apatel
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#26
Hexane
Concen: 10.165 ppbv
RT: 5.79 min Scan# 888
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Tgt Ion	Ratio	Lower	Upper
57	100		
41	89.5	70.3	105.5
43	215.5	174.0	261.0
56	53.1	42.3	63.5





#27

Carbon Disulfide

Concen: 11.170 ppbv

RT: 4.63 min Scan# 527

Delta R.T. 0.00 min

Lab File: VL032832.D

Acq: 29 Nov 2018 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1129ABS01

Tgt Ion: 76 Resp: 1938153

Ion Ratio Lower Upper

76 100

44 18.2 14.4 21.6

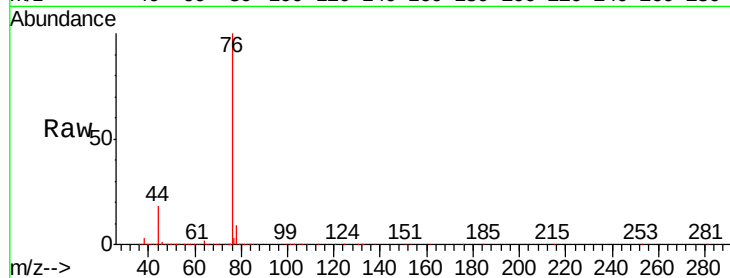
78 9.2 7.7 11.5

Manual Integrations

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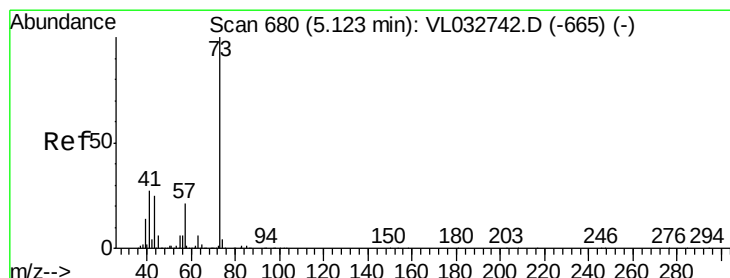
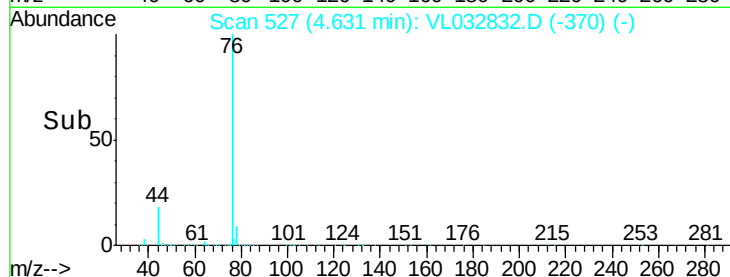
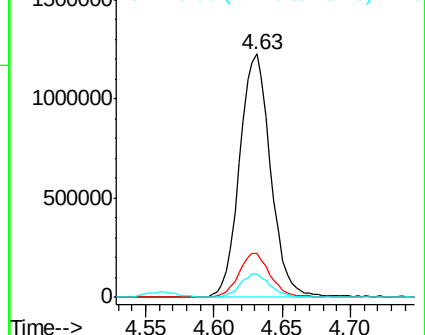
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Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.509 ppbv

RT: 5.12 min Scan# 680

Delta R.T. 0.00 min

Lab File: VL032832.D

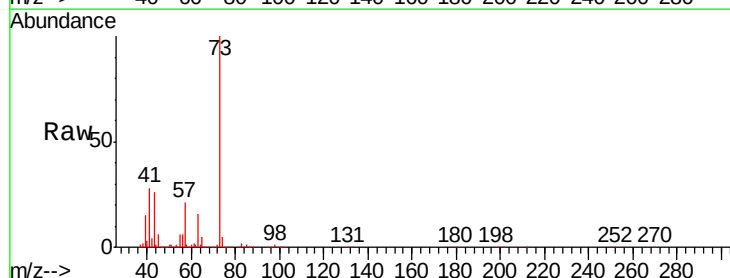
Acq: 29 Nov 2018 12:48

Tgt Ion: 73 Resp: 2293214

Ion Ratio Lower Upper

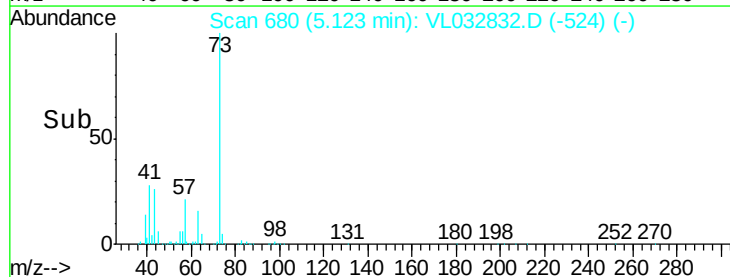
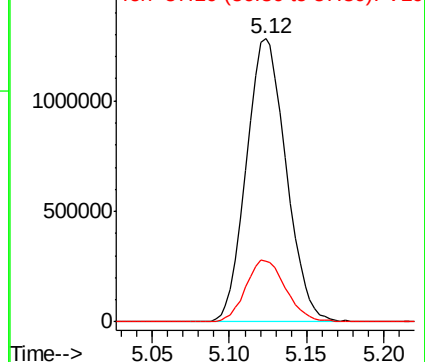
73 100

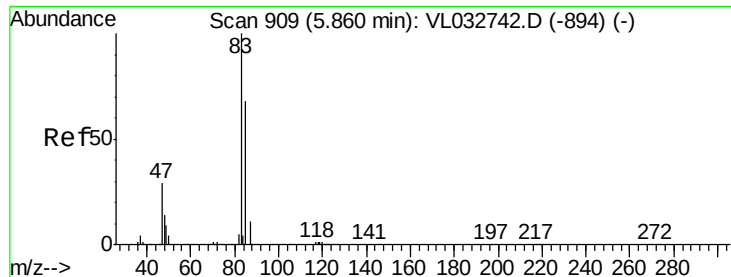
57 22.1 17.5 26.3



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





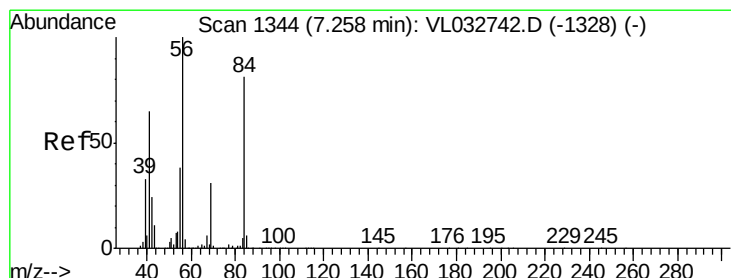
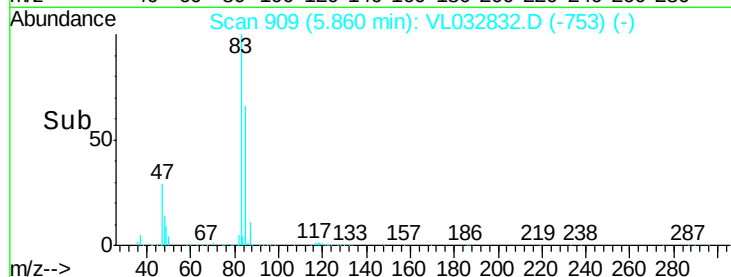
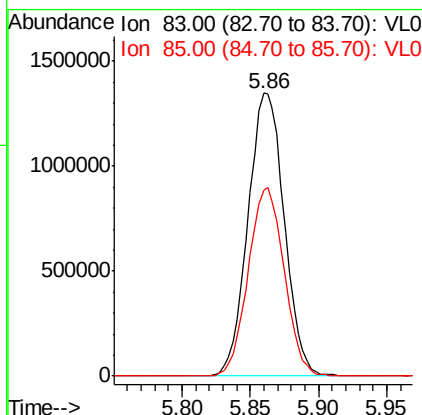
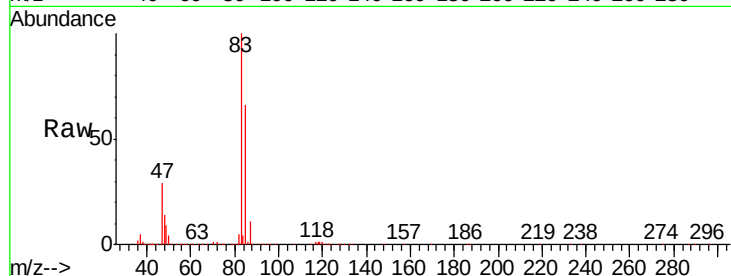
#29
Chloroform
Concen: 10.209 ppbv
RT: 5.86 min Scan# 909
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL1129ABS01

Tgt Ion: 83 Resp: 2489944
Ion Ratio Lower Upper
83 100
85 65.5 54.2 81.4

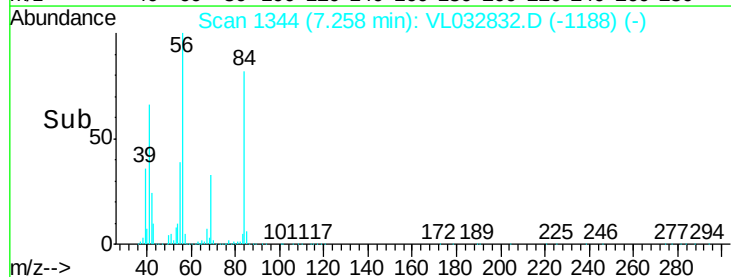
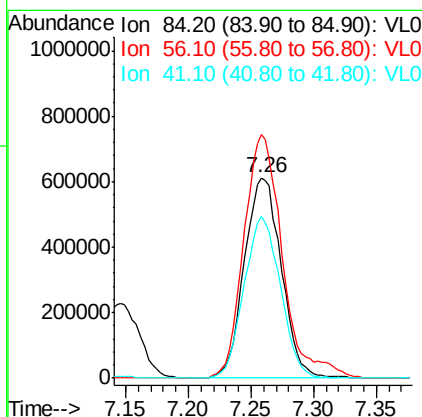
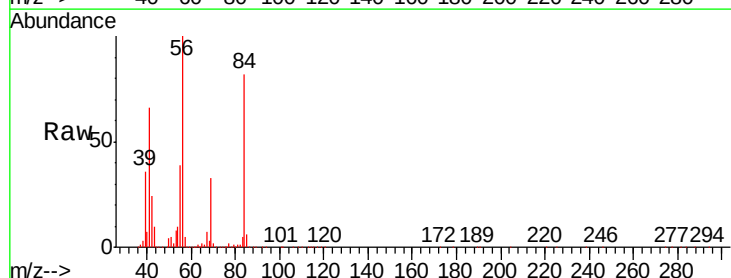
Manual Integrations
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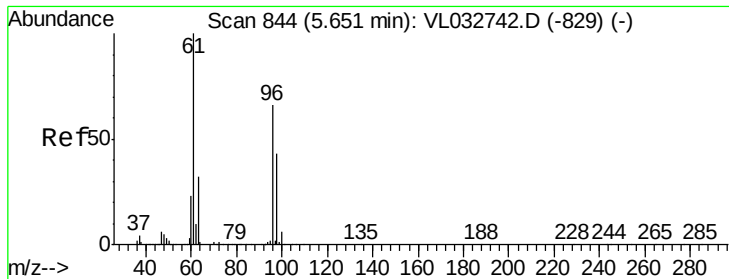
apatel
12/4/2018 8:38:25 AM



#30
Cyclohexane
Concen: 10.493 ppbv
RT: 7.26 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Tgt Ion: 84 Resp: 1255762
Ion Ratio Lower Upper
84 100
56 127.0 105.0 157.4
41 79.2 65.3 97.9





#31

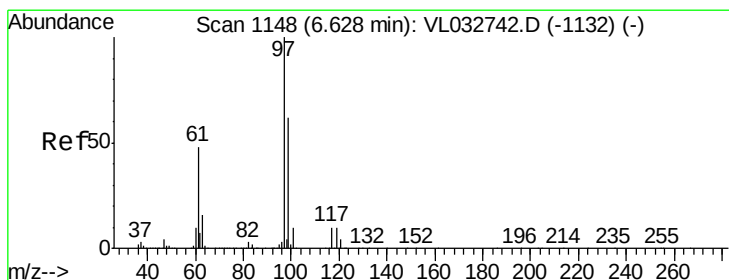
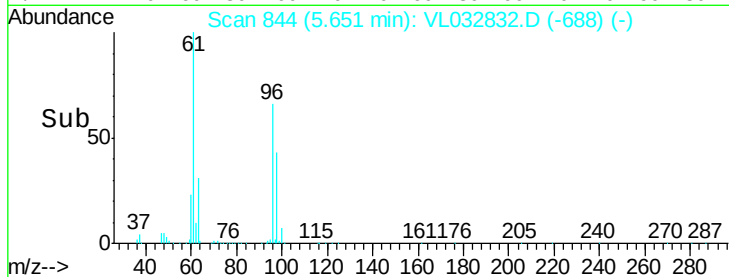
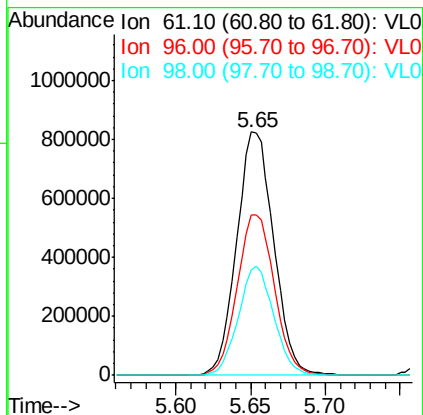
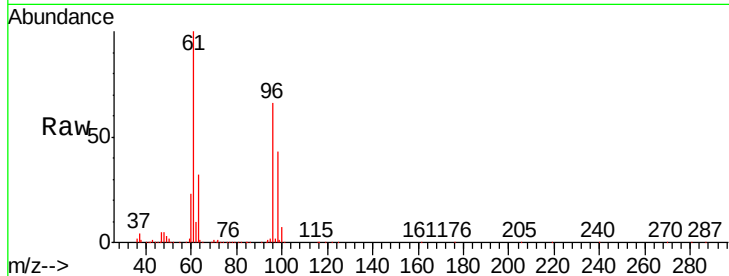
cis-1,2-Dichloroethene
 Concen: 10.347 ppbv
 RT: 5.65 min Scan# 844
 Delta R.T. 0.00 min
 Lab File: VL032832.D
 Acq: 29 Nov 2018 12:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1129ABS01

Tgt Ion	Ratio	Lower	Upper
61	100		
96	66.0	53.2	79.8
98	43.2	34.4	51.6

Manual Integrations
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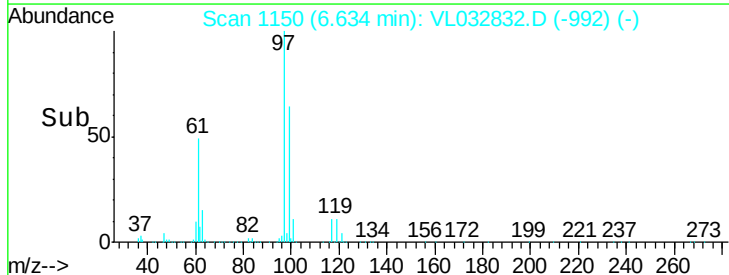
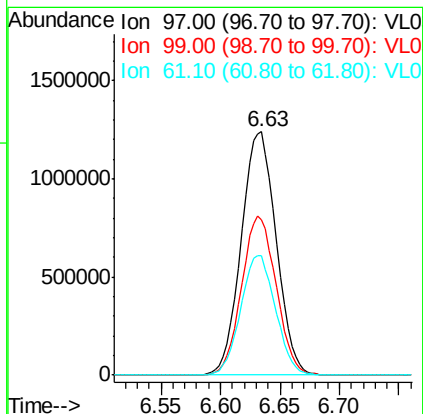
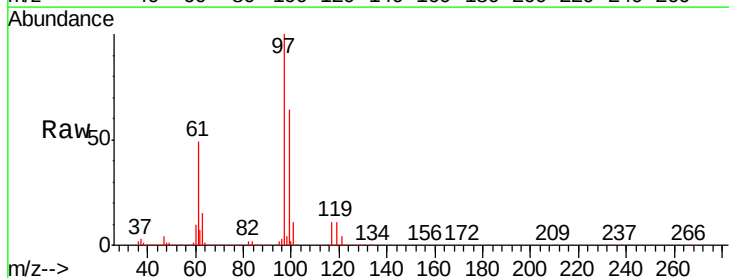
apatel
 12/4/2018 8:38:25 AM

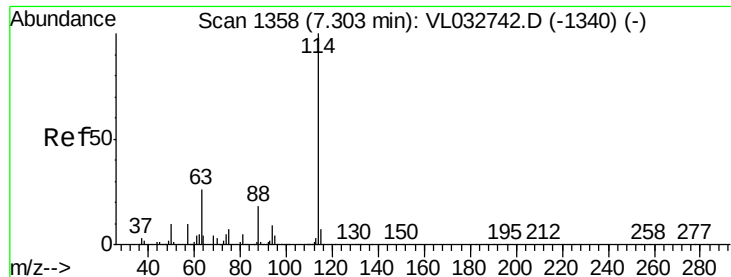


#32

1,1,1-Trichloroethane
 Concen: 9.453 ppbv
 RT: 6.63 min Scan# 1150
 Delta R.T. 0.01 min
 Lab File: VL032832.D
 Acq: 29 Nov 2018 12:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.8	77.6
61	48.9	39.7	59.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.31 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VL032832.D

Acq: 29 Nov 2018 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1129ABS01

Tgt Ion: 114 Resp: 3776487

Ion Ratio Lower Upper

114 100

63 25.1 20.9 31.3

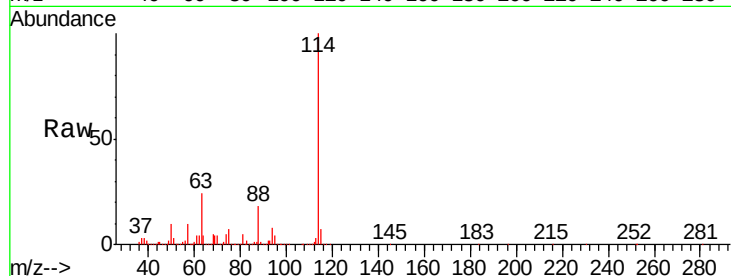
88 17.6 14.4 21.6

Manual Integrations

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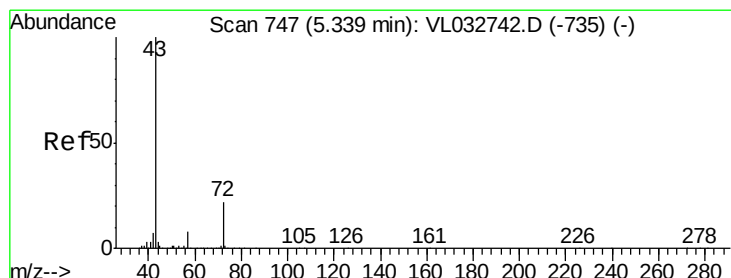
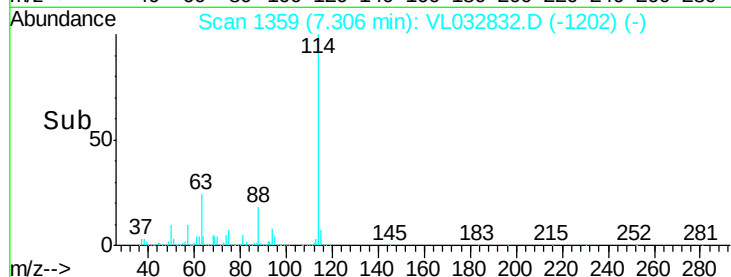
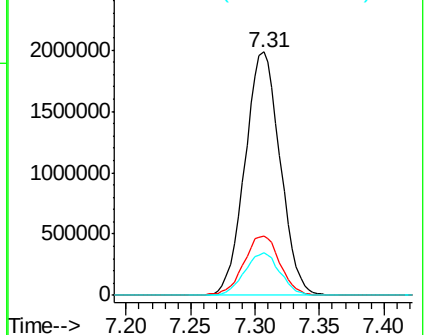
12/4/2018 8:38:25 AM



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.725 ppbv

RT: 5.34 min Scan# 747

Delta R.T. 0.00 min

Lab File: VL032832.D

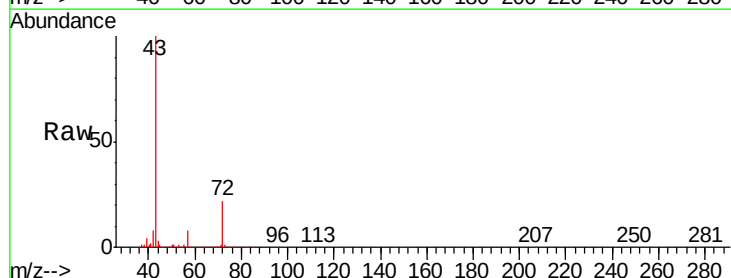
Acq: 29 Nov 2018 12:48

Tgt Ion: 43 Resp: 1904789

Ion Ratio Lower Upper

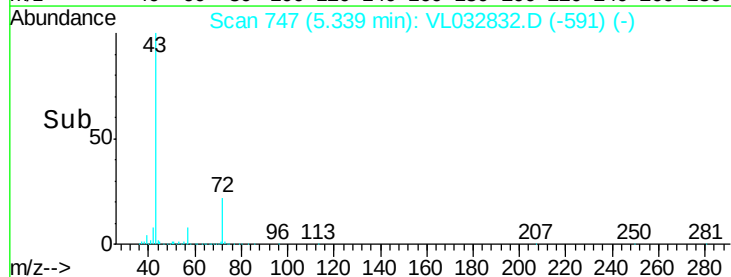
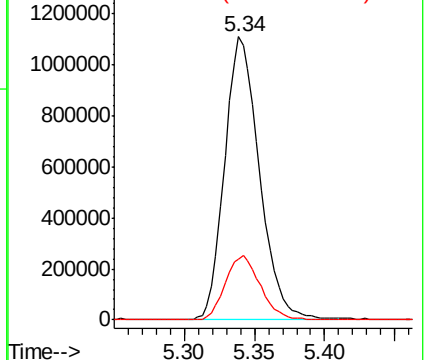
43 100

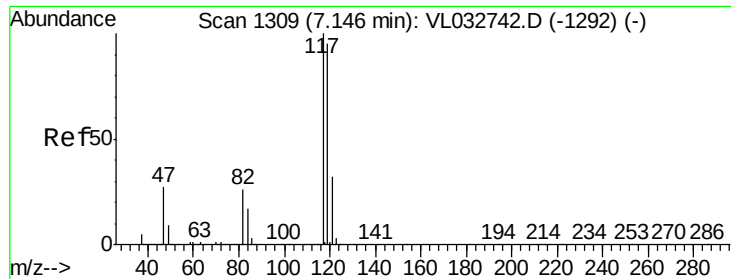
72 23.1 18.4 27.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.133 ppbv

RT: 7.15 min Scan# 1310

Delta R.T. 0.00 min

Lab File: VL032832.D

Acq: 29 Nov 2018 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1129ABS01

Tgt Ion: 117 Resp: 2772639

Ion Ratio Lower Upper

117 100

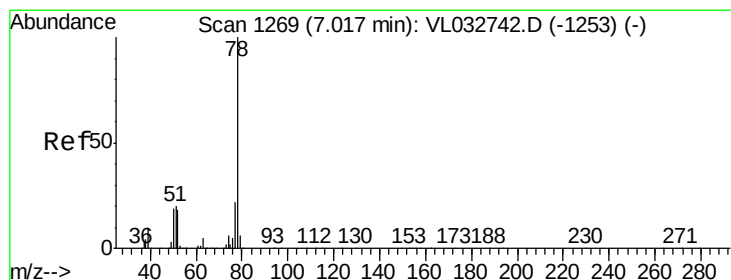
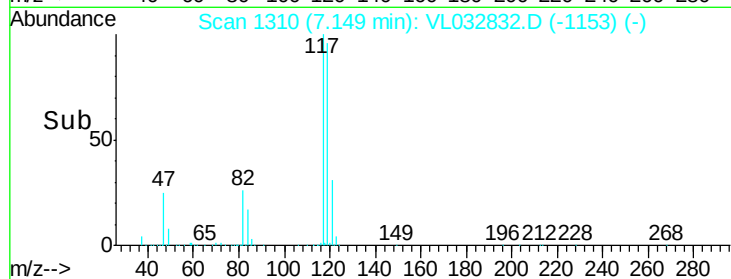
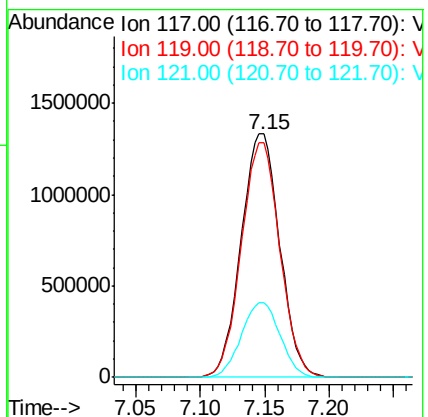
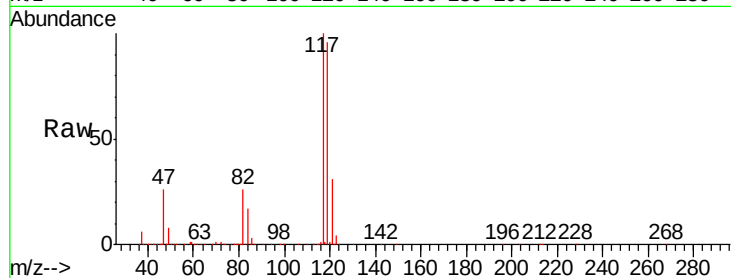
119 96.4 76.1 114.1

121 30.8 25.4 38.0

Manual Integrations
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#36

Benzene

Concen: 9.798 ppbv

RT: 7.02 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VL032832.D

Acq: 29 Nov 2018 12:48

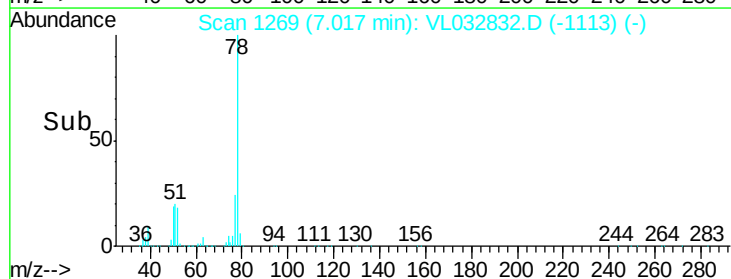
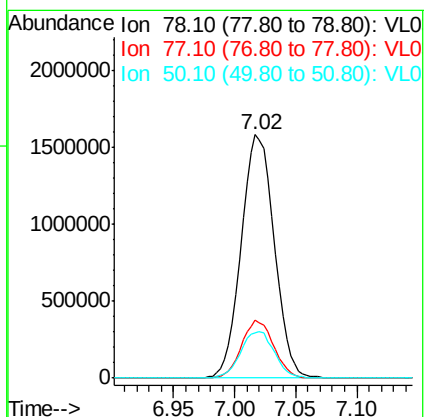
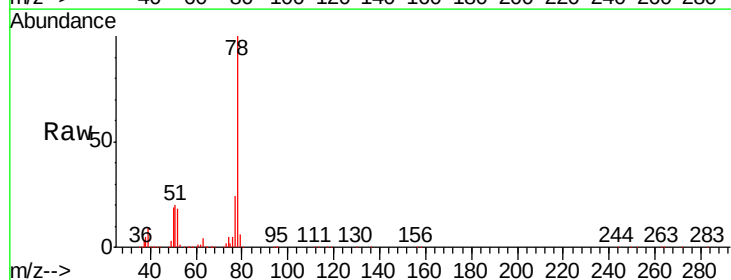
Tgt Ion: 78 Resp: 2946578

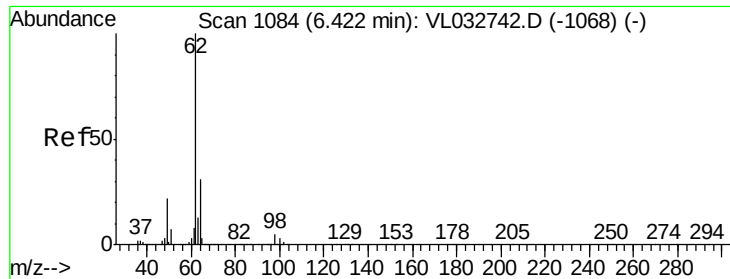
Ion Ratio Lower Upper

78 100

77 23.7 17.8 26.8

50 18.7 15.4 23.0





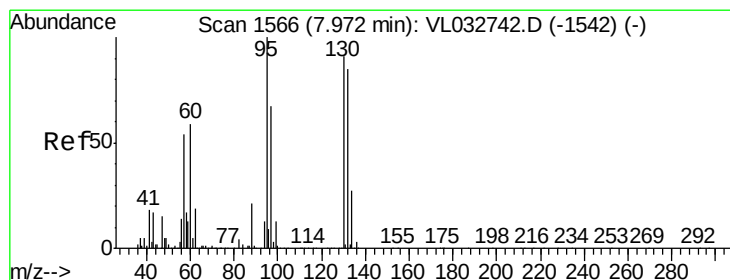
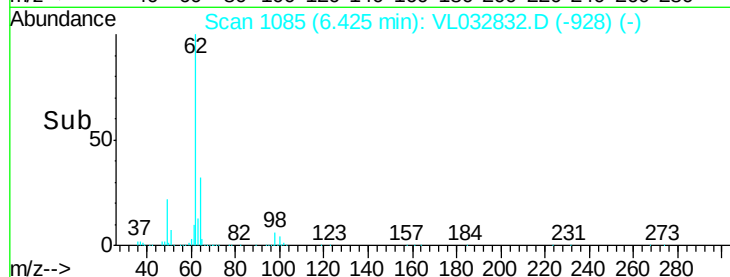
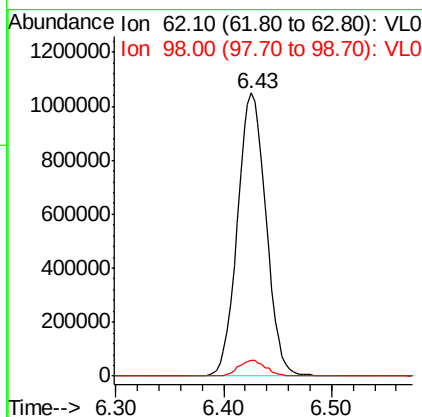
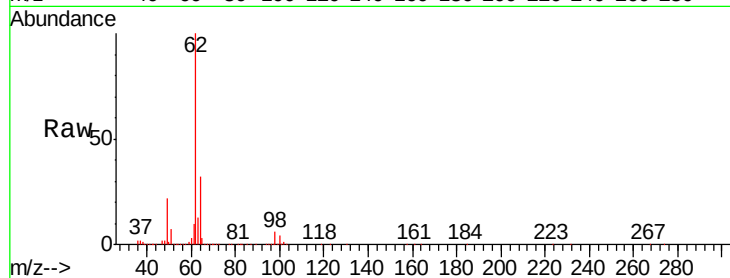
#37
 1,2-Dichloroethane
 Concen: 9.544 ppbv
 RT: 6.43 min Scan# 1085
 Delta R.T. 0.00 min
 Lab File: VL032832.D
 Acq: 29 Nov 2018 12:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1129ABS01

Tgt Ion: 62 Resp: 1932012
 Ion Ratio Lower Upper
 62 100
 98 5.6 4.5 6.7

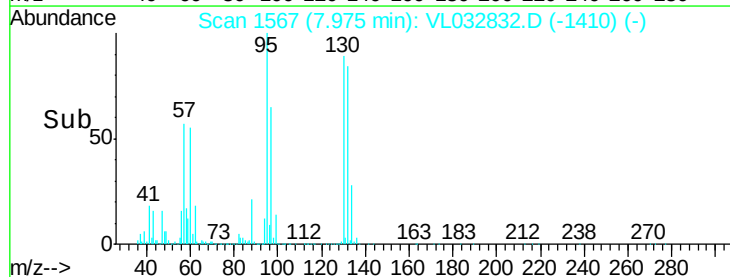
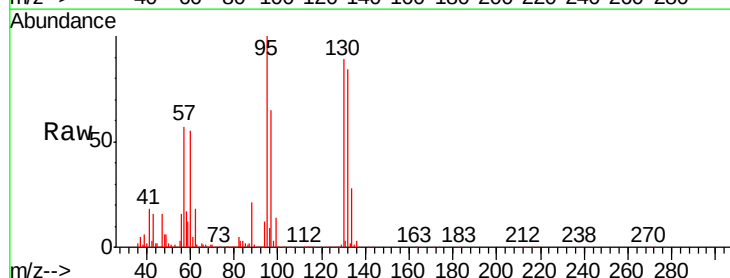
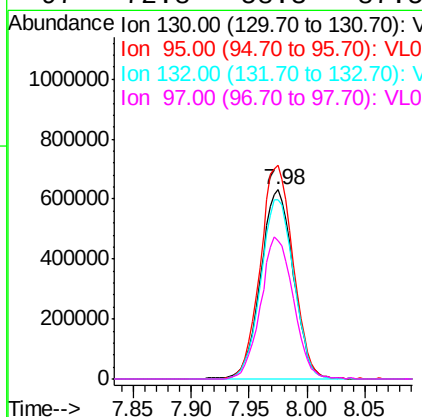
Manual Integrations
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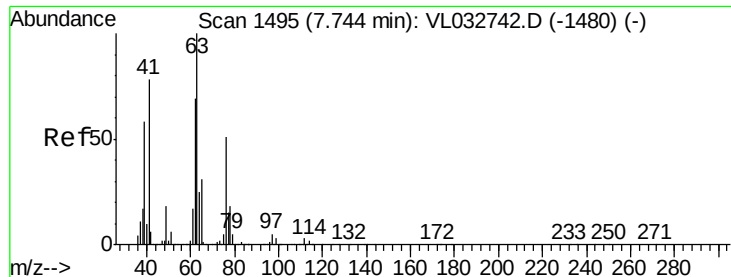
apatel
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#38
 Trichloroethene
 Concen: 10.194 ppbv
 RT: 7.98 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VL032832.D
 Acq: 29 Nov 2018 12:48

Tgt Ion: 130 Resp: 1240629
 Ion Ratio Lower Upper
 130 100
 95 112.9 87.7 131.5
 132 94.7 74.6 111.8
 97 72.8 58.3 87.5





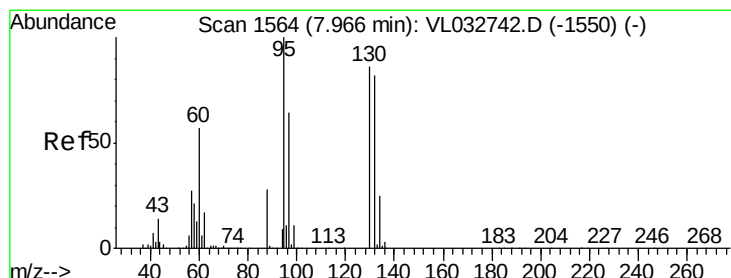
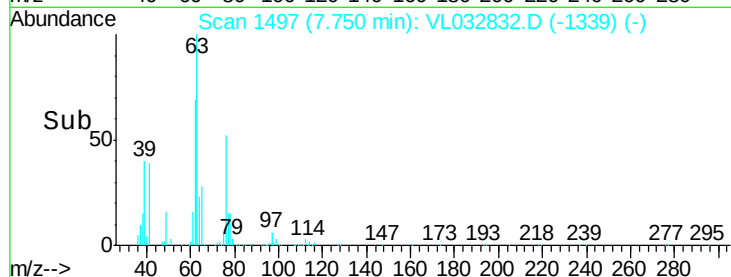
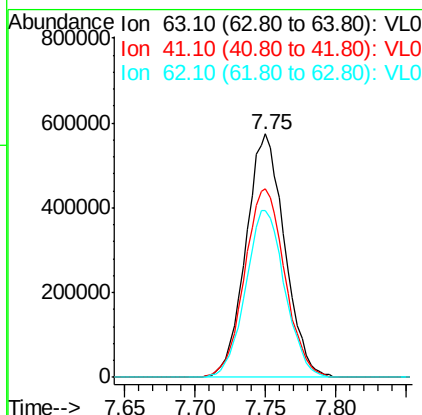
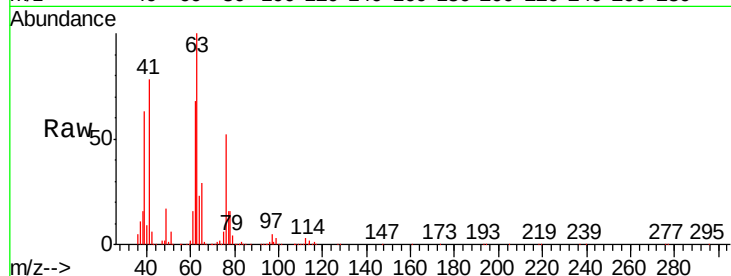
#39
 1,2-Dichloropropane
 Concen: 9.626 ppbv
 RT: 7.75 min Scan# 1497
 Delta R.T. 0.01 min
 Lab File: VL032832.D
 Acq: 29 Nov 2018 12:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1129ABS01

Tgt Ion	Ratio	Lower	Upper
63	100		
41	77.7	62.0	93.0
62	68.4	55.4	83.2

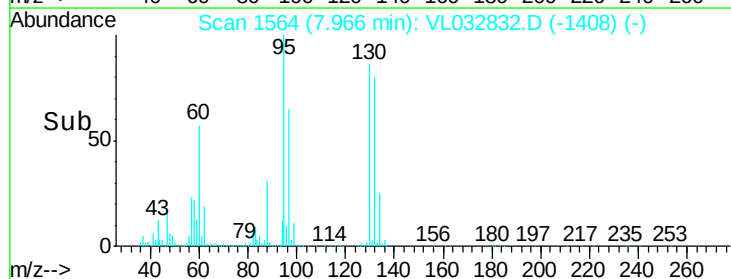
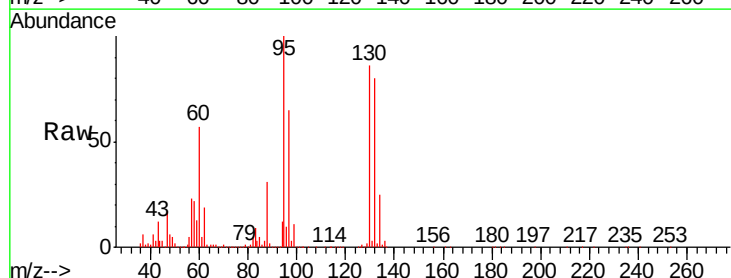
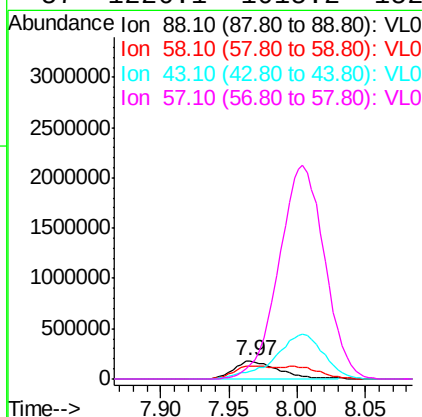
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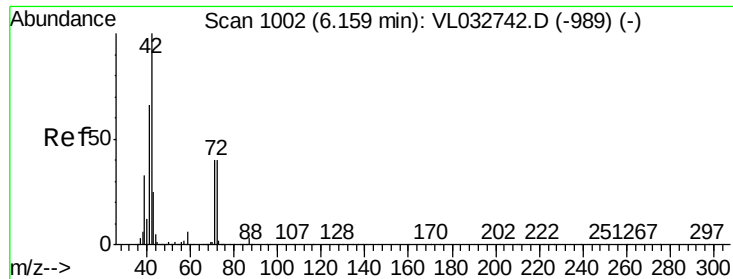
apatel
 12/4/2018 8:38:25 AM



#40
 1,4-Dioxane
 Concen: 9.888 ppbv
 RT: 7.97 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: VL032832.D
 Acq: 29 Nov 2018 12:48

Tgt Ion	Ratio	Lower	Upper
88	100		
58	127.3	105.3	157.9
43	274.8	226.1	339.1
57	1226.1	1015.2	1522.8





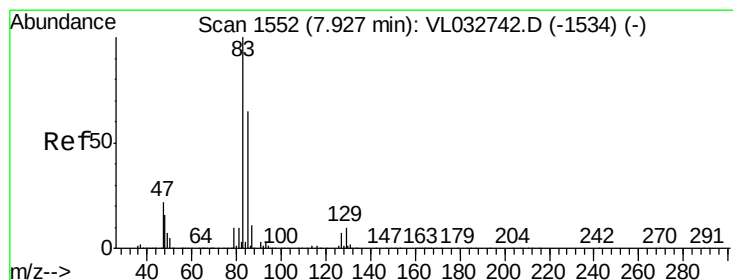
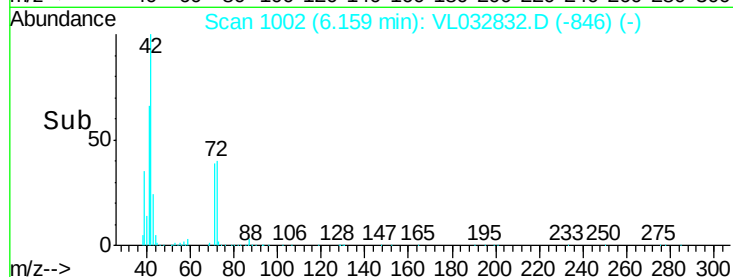
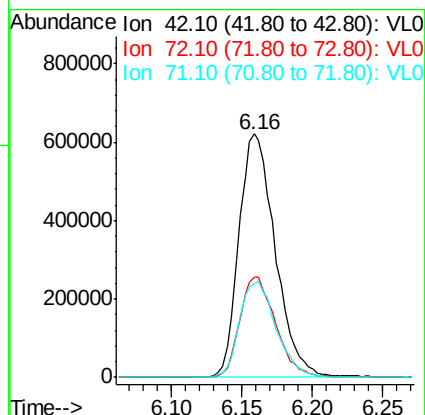
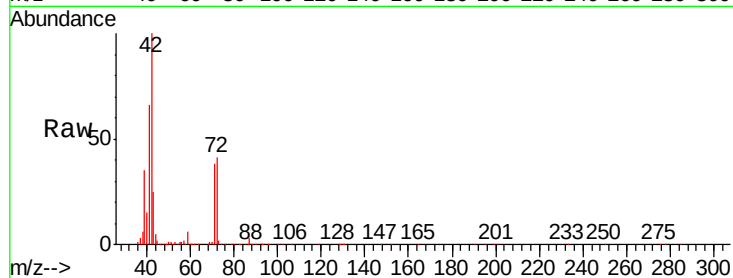
#41
Tetrahydrofuran
Concen: 9.995 ppbv
RT: 6.16 min Scan# 1002
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL1129ABS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	40.9	32.4	48.6
71	39.8	31.6	47.4

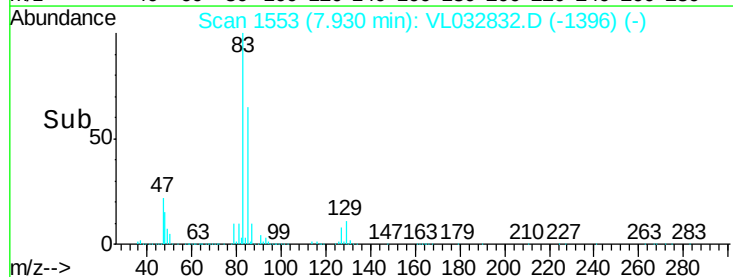
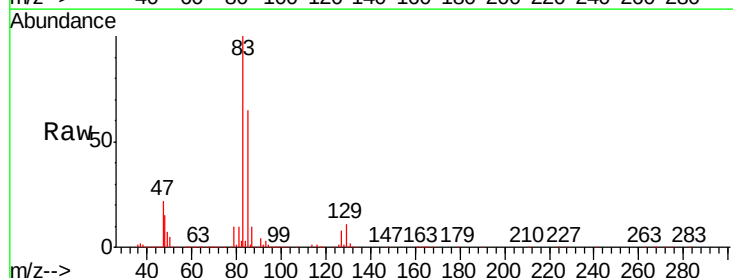
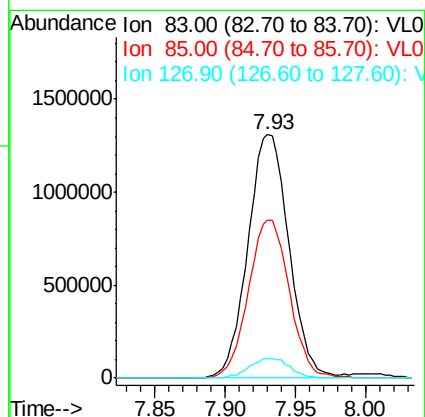
Manual Integrations
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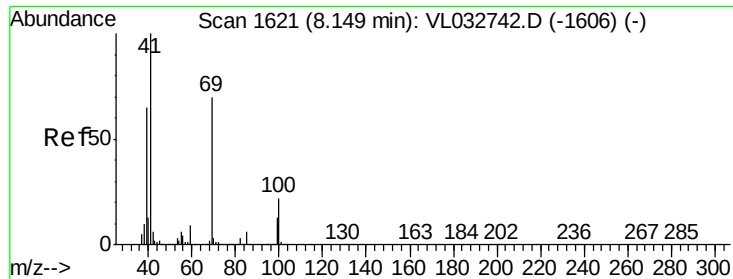
apatel
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#42
Bromodichloromethane
Concen: 9.723 ppbv
RT: 7.93 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.8
127	8.1	5.9	8.9





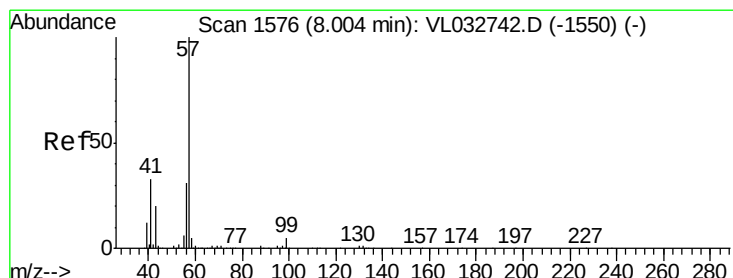
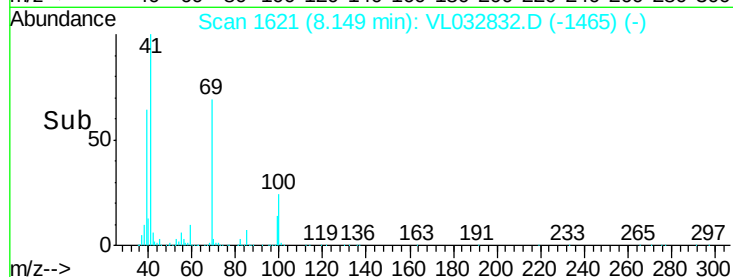
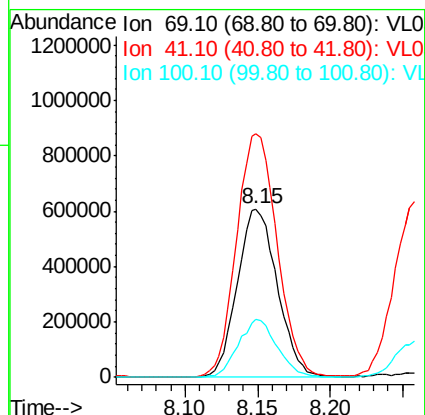
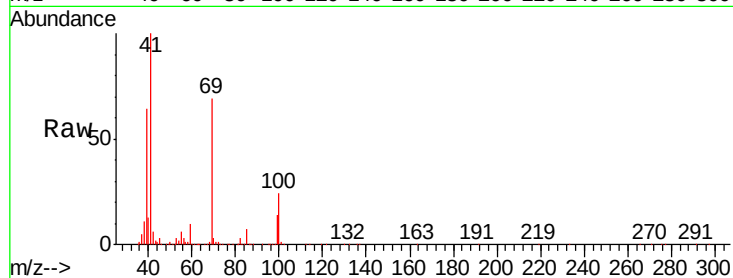
#43
Methyl Methacrylate
Concen: 10.407 ppbv
RT: 8.15 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL1129ABS01

Tgt Ion: 69 Resp: 1168354
Ion Ratio Lower Upper
69 100
41 146.7 115.0 172.4
100 33.7 25.4 38.0

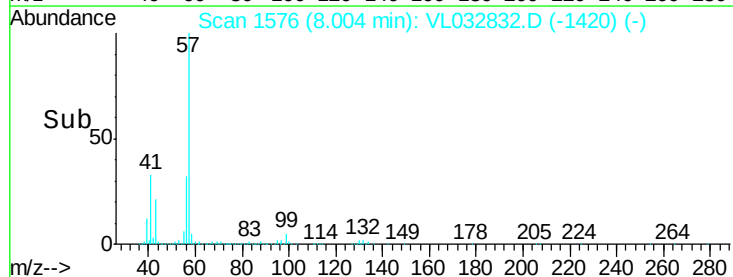
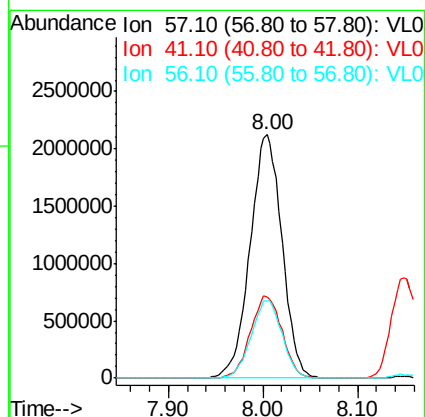
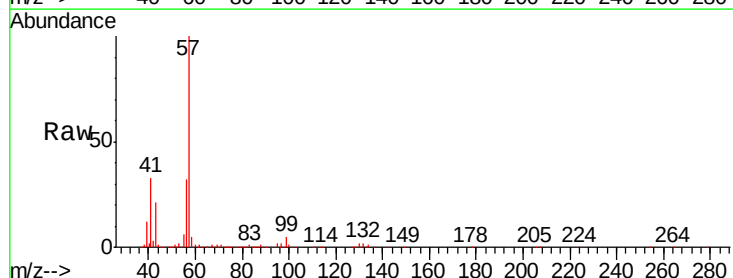
Manual Integrations
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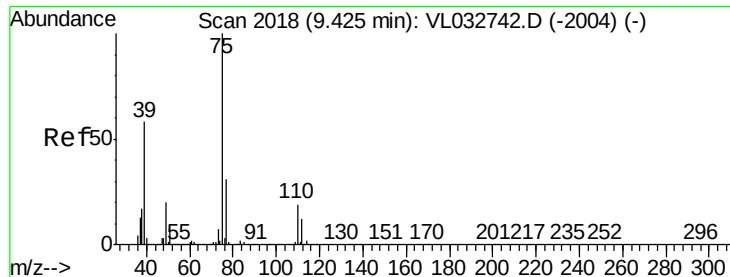
apatel
12/4/2018 8:38:25 AM



#44
2,2,4-Trimethylpentane
Concen: 9.871 ppbv
RT: 8.00 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Tgt Ion: 57 Resp: 4960762
Ion Ratio Lower Upper
57 100
41 33.6 26.6 39.8
56 31.0 24.8 37.2





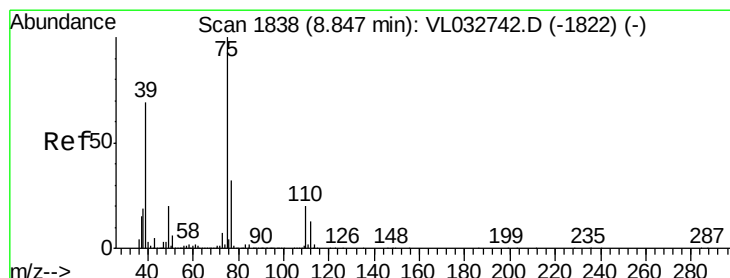
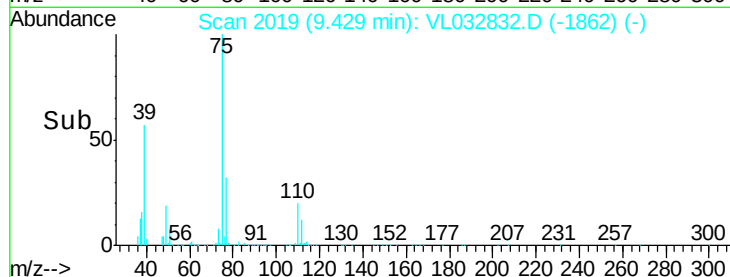
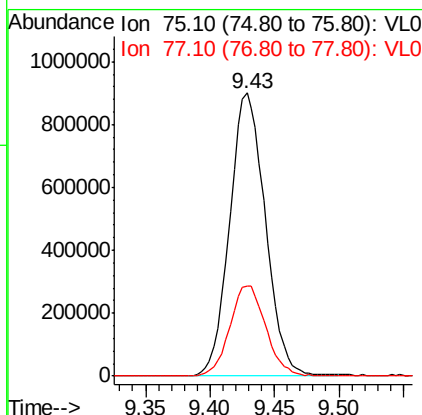
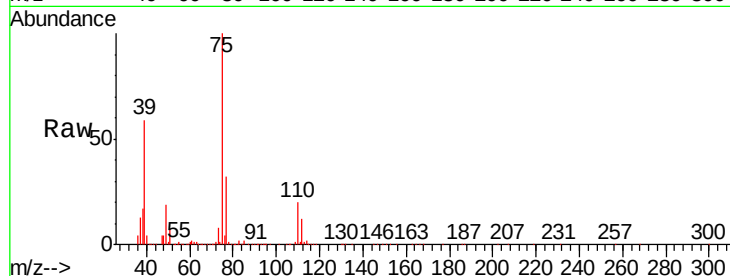
#45
t-1,3-Dichloropropene
Concen: 11.477 ppbv
RT: 9.43 min Scan# 2019
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Instrument :
MSVOA_L
ClientSampled :
VL1129ABS01

Tgt Ion: 75 Resp: 1728984
Ion Ratio Lower Upper
75 100
77 31.6 24.6 36.8

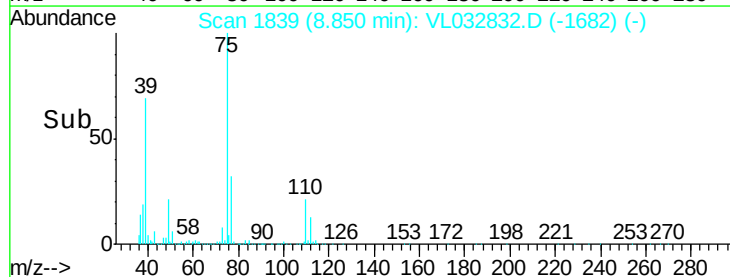
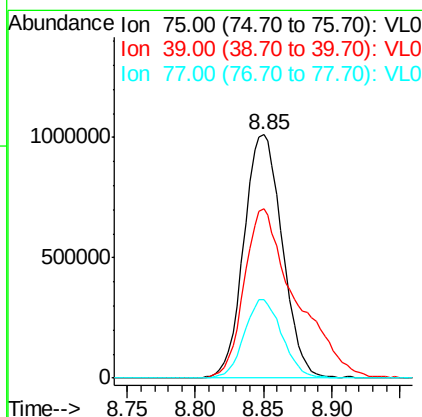
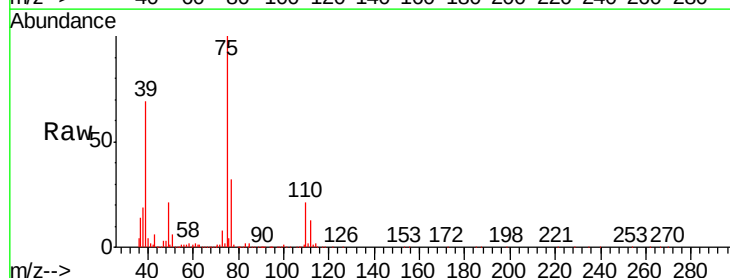
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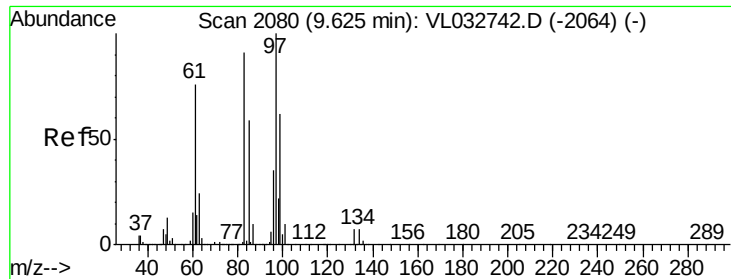
apatel
12/4/2018 8:38:25 AM



#46
cis-1,3-Dichloropropene
Concen: 10.866 ppbv
RT: 8.85 min Scan# 1839
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Tgt Ion: 75 Resp: 1977749
Ion Ratio Lower Upper
75 100
39 69.4 55.2 82.8
77 32.0 25.8 38.6





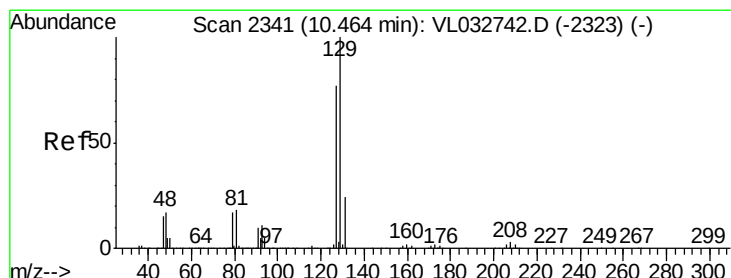
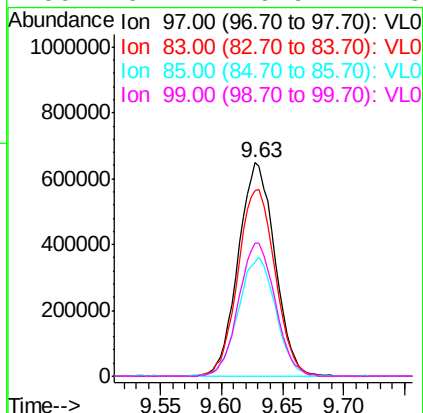
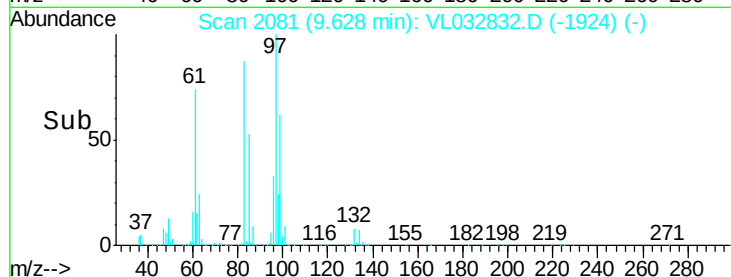
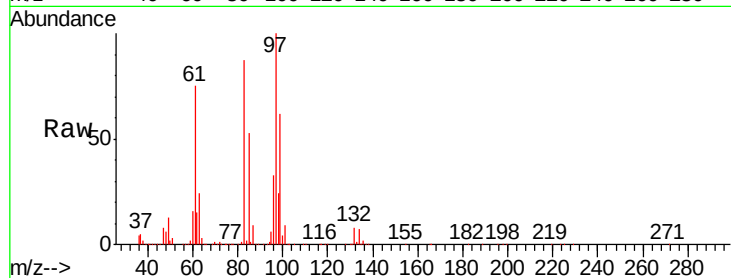
#47
 1,1,2-Trichloroethane
 Concen: 9.931 ppbv
 RT: 9.63 min Scan# 2081
 Delta R.T. 0.00 min
 Lab File: VL032832.D
 Acq: 29 Nov 2018 12:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1129ABS01

Tgt Ion: 97 Resp: 1345548
 Ion Ratio Lower Upper
 97 100
 83 86.5 73.0 109.4
 85 53.0 47.0 70.4
 99 62.2 49.9 74.9

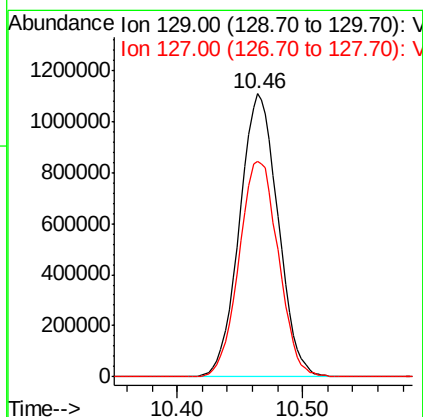
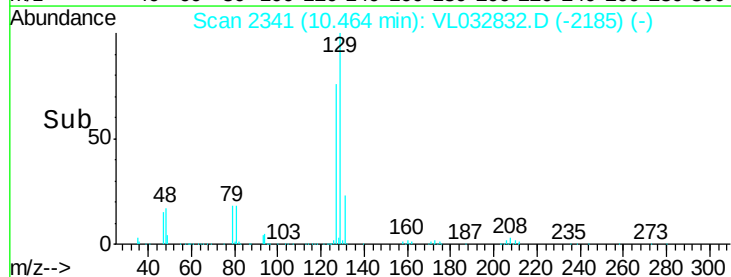
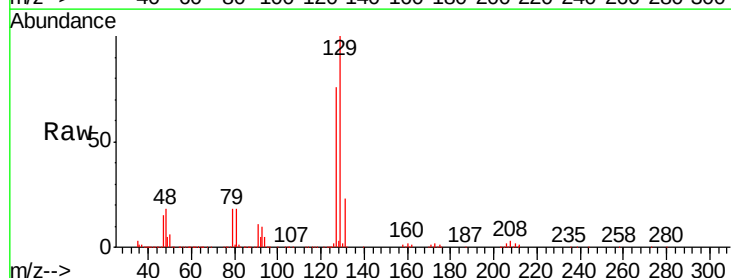
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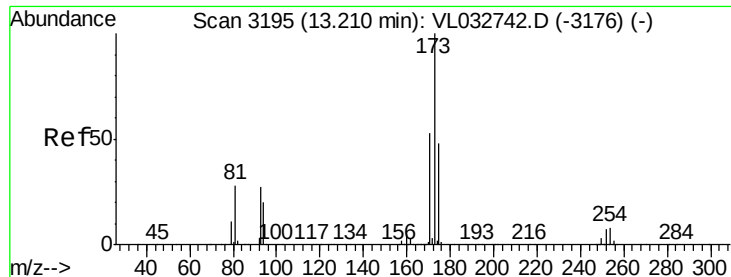
apatel
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#48
 Dibromochloromethane
 Concen: 10.227 ppbv
 RT: 10.46 min Scan# 2341
 Delta R.T. 0.00 min
 Lab File: VL032832.D
 Acq: 29 Nov 2018 12:48

Tgt Ion: 129 Resp: 2354908
 Ion Ratio Lower Upper
 129 100
 127 78.4 39.0 117.0





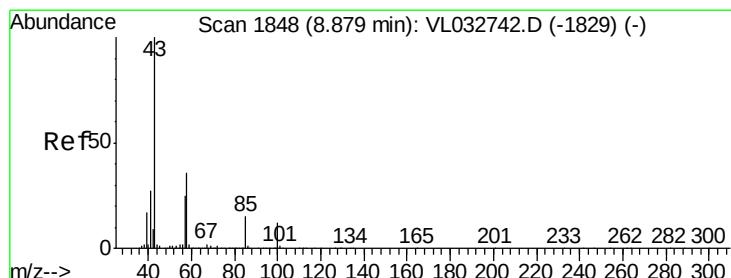
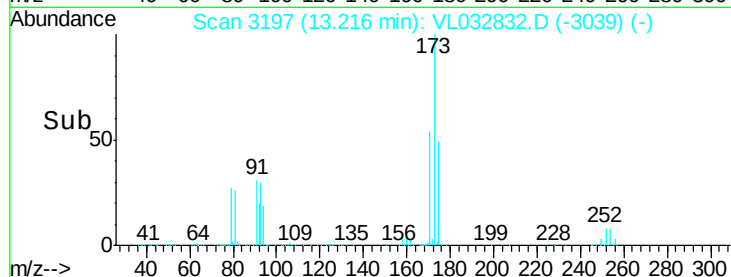
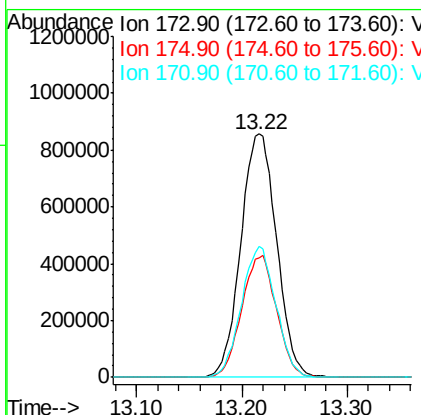
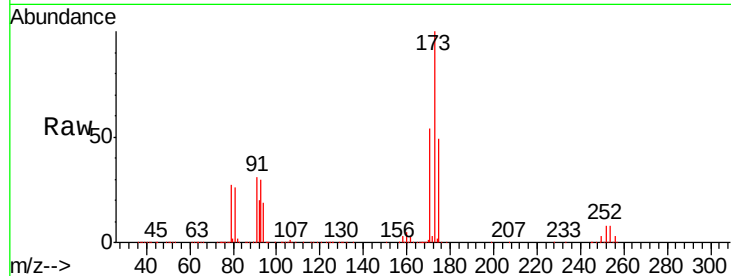
#49
Bromoform
Concen: 10.668 ppbv
RT: 13.22 min Scan# 3197
Delta R.T. 0.01 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL1129ABS01

Tgt Ion: 173 Resp: 2028733
Ion Ratio Lower Upper
173 100
175 48.9 39.4 59.0
171 51.9 42.0 63.0

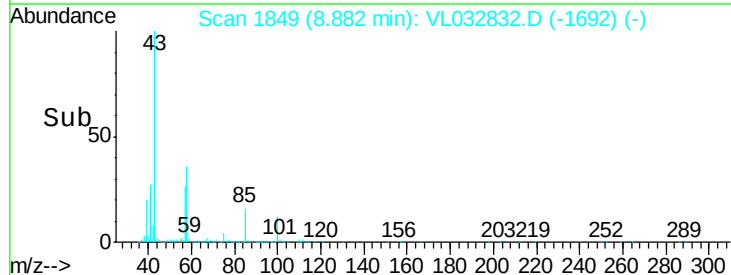
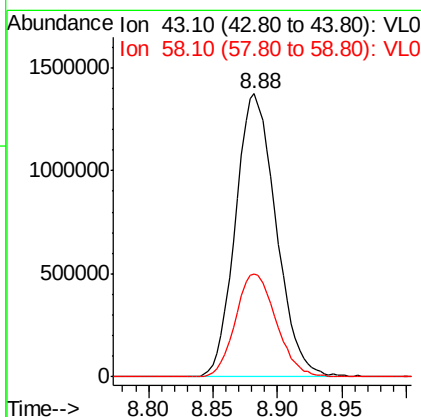
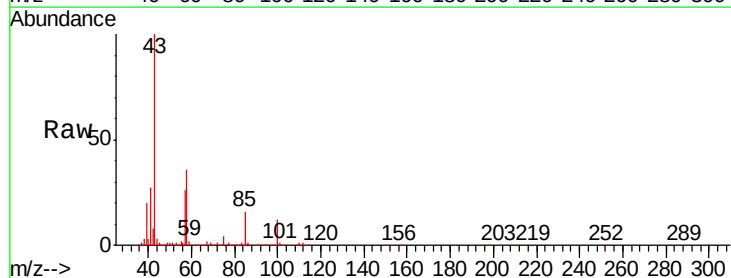
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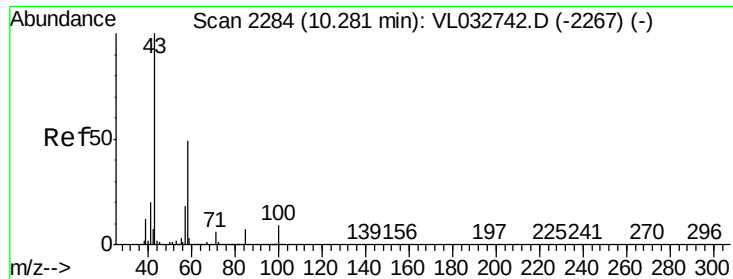
apatel
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#50
4-Methyl-2-Pentanone
Concen: 9.825 ppbv
RT: 8.88 min Scan# 1849
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Tgt Ion: 43 Resp: 3005694
Ion Ratio Lower Upper
43 100
58 36.7 28.8 43.2





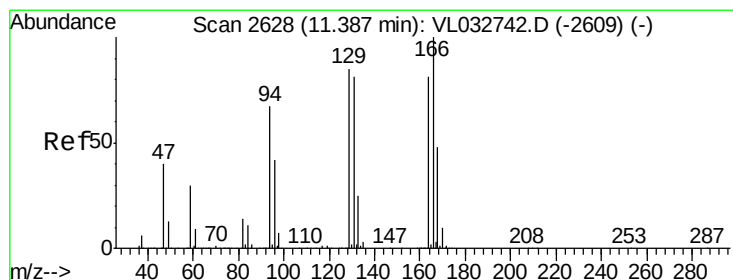
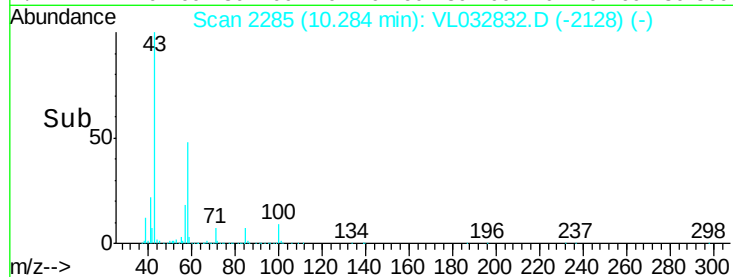
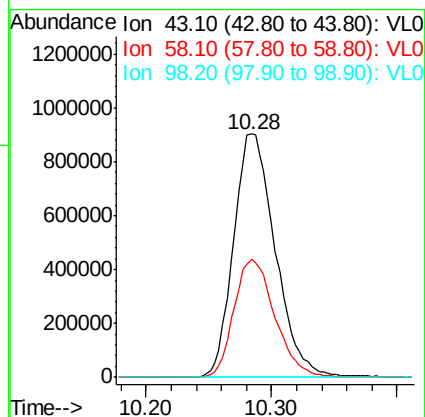
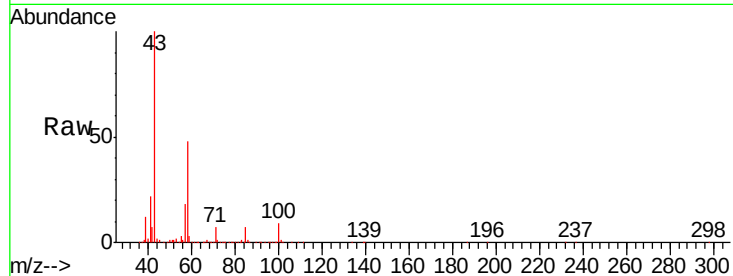
#51
2-Hexanone
Concen: 10.519 ppbv
RT: 10.28 min Scan# 2285
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL1129ABS01

Tgt Ion: 43 Resp: 2073254
Ion Ratio Lower Upper
43 100
58 48.3 38.9 58.3
98 0.4 0.2 0.4#

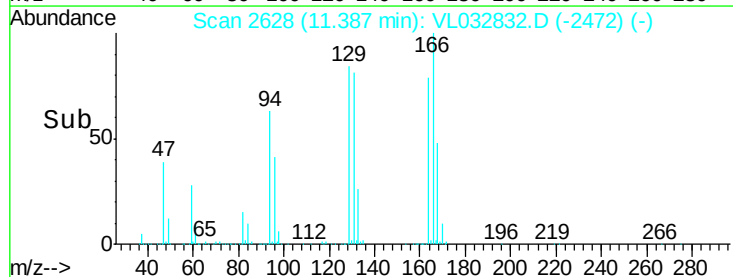
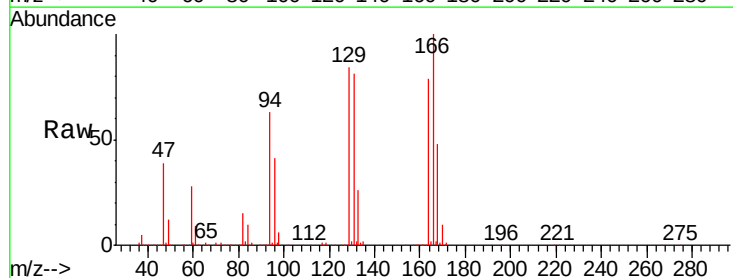
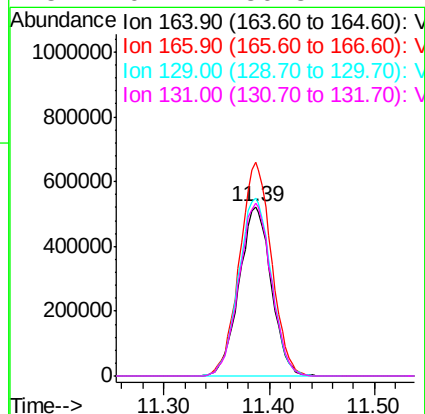
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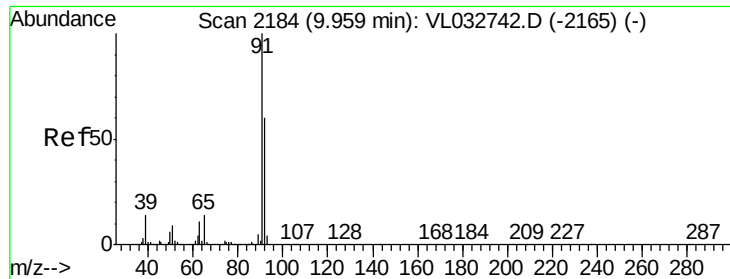
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#52
Tetrachloroethene
Concen: 10.548 ppbv
RT: 11.39 min Scan# 2628
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Tgt Ion: 164 Resp: 1103475
Ion Ratio Lower Upper
164 100
166 126.1 99.3 148.9
129 105.3 83.9 125.9
131 102.2 80.8 121.2





#53

Toluene

Concen: 10.877 ppbv

RT: 9.96 min Scan# 2184

Delta R.T. 0.00 min

Lab File: VL032832.D

Acq: 29 Nov 2018 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1129ABS01

Tgt Ion: 91 Resp: 3412309

Ion Ratio Lower Upper

91 100

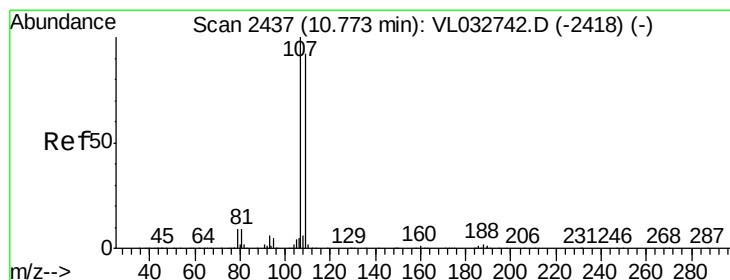
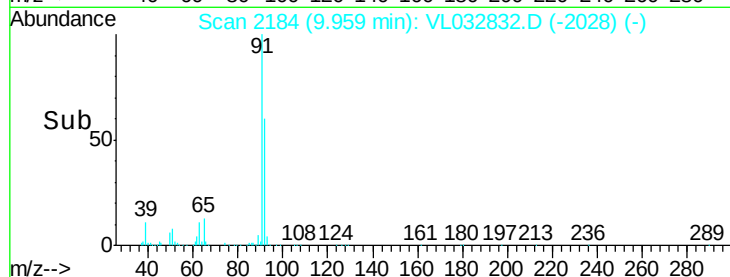
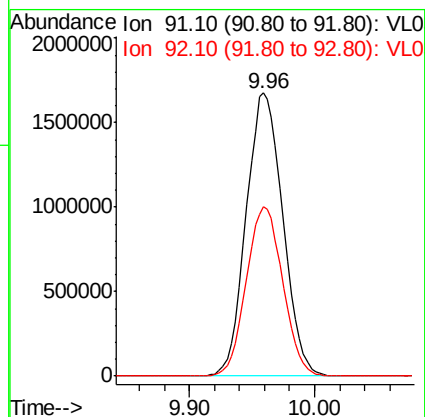
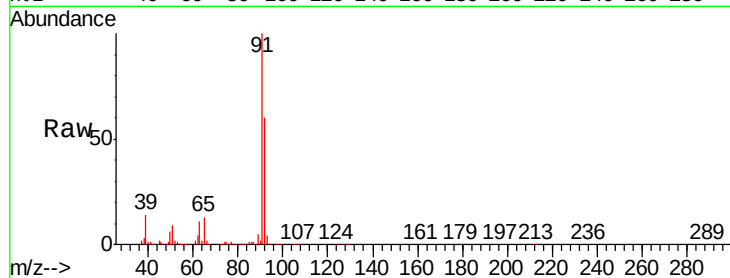
92 59.7 47.9 71.9

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#54

1,2-Dibromoethane

Concen: 10.233 ppbv

RT: 10.78 min Scan# 2438

Delta R.T. 0.00 min

Lab File: VL032832.D

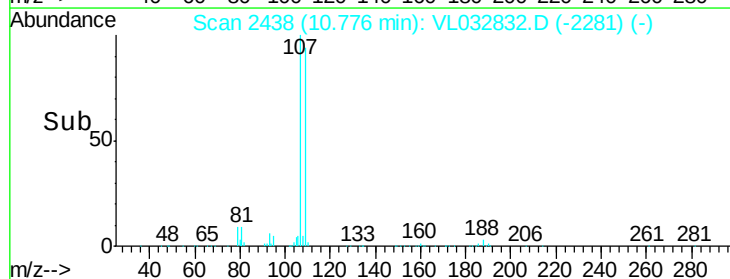
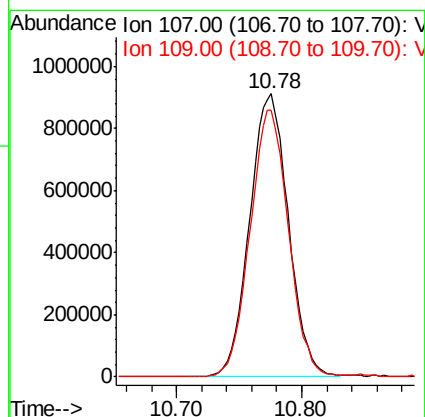
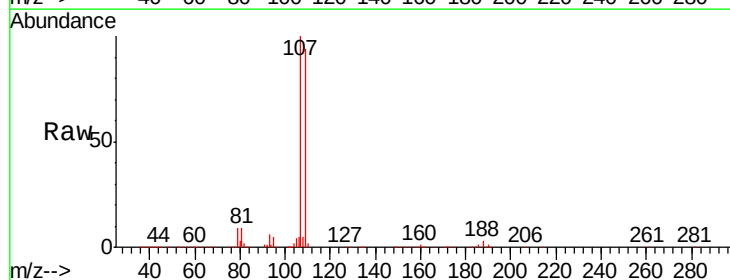
Acq: 29 Nov 2018 12:48

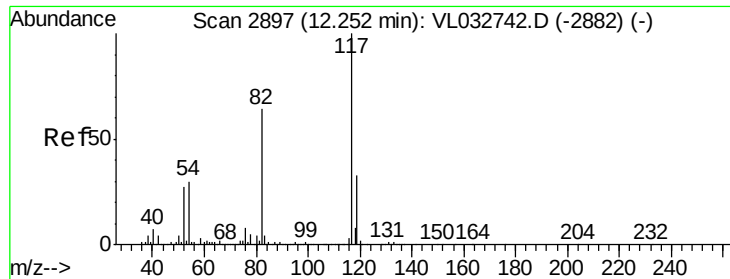
Tgt Ion: 107 Resp: 1959772

Ion Ratio Lower Upper

107 100

109 94.3 73.8 110.8





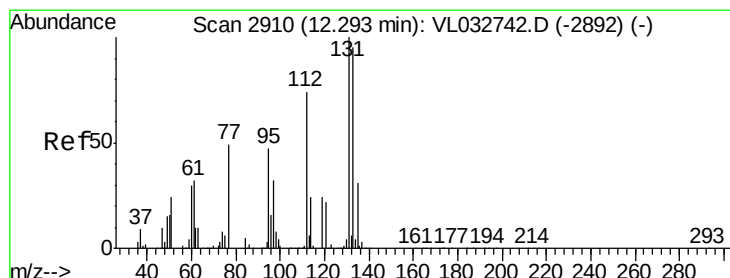
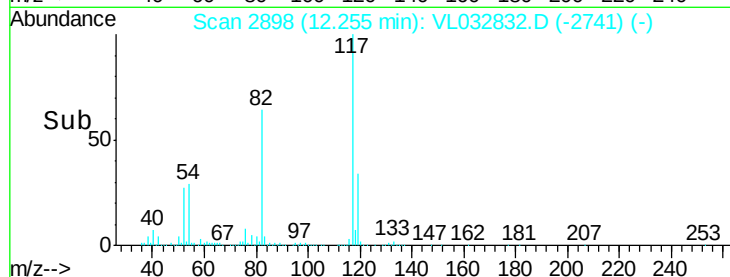
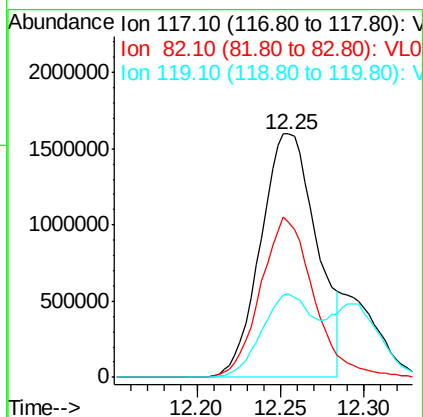
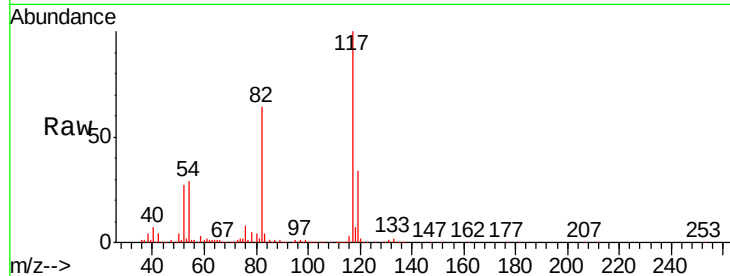
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.25 min Scan# 2898
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL1129ABS01

Tgt Ion:117 Resp: 3725913
Ion Ratio Lower Upper
117 100
82 62.9 51.0 76.6
119 33.3 28.0 42.0

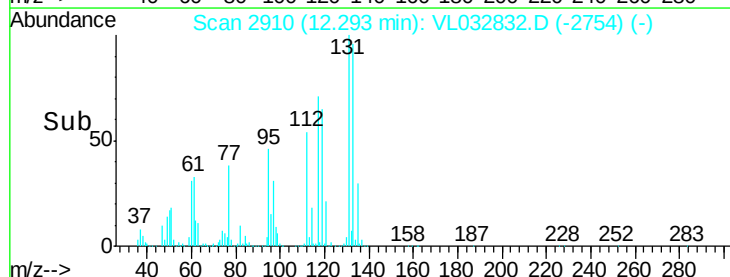
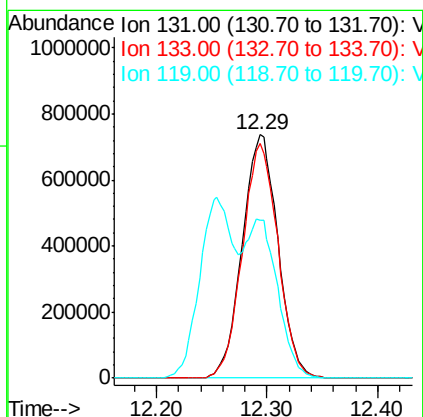
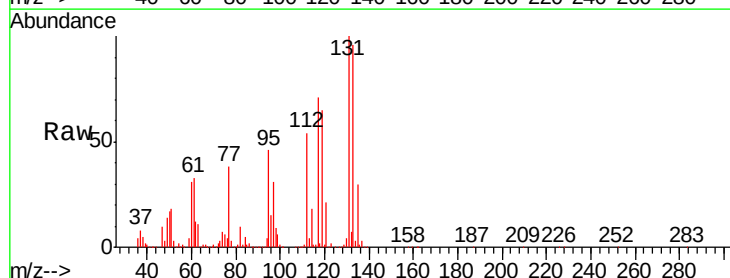
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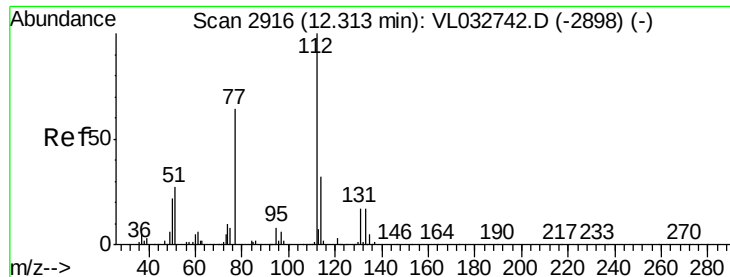
apatel
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.483 ppbv
RT: 12.29 min Scan# 2910
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Tgt Ion:131 Resp: 1647955
Ion Ratio Lower Upper
131 100
133 96.1 75.8 113.6
119 56.5 45.2 67.8





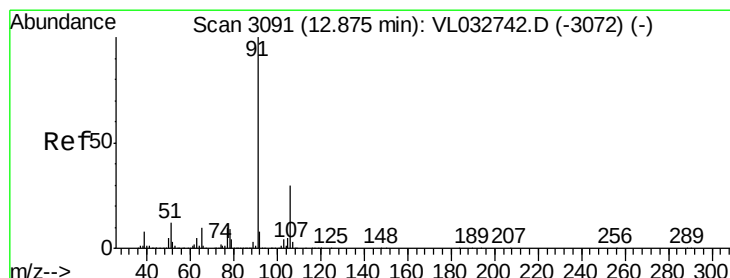
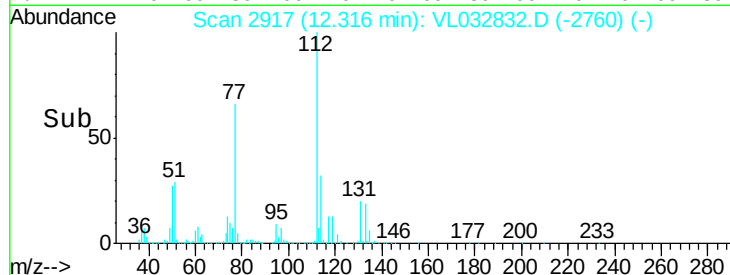
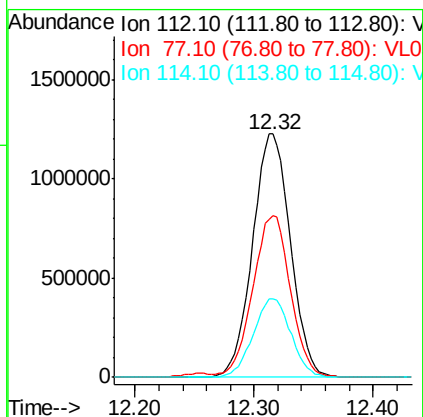
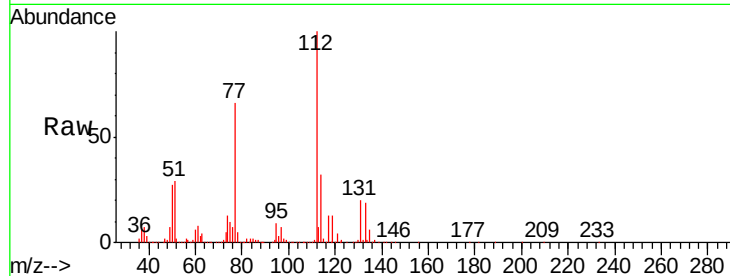
#57
Chlorobenzene
Concen: 9.457 ppbv
RT: 12.32 min Scan# 2917
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL1129ABS01

Tgt Ion: 112 Resp: 2697347
Ion Ratio Lower Upper
112 100
77 65.9 52.3 78.5
114 32.1 28.4 34.8

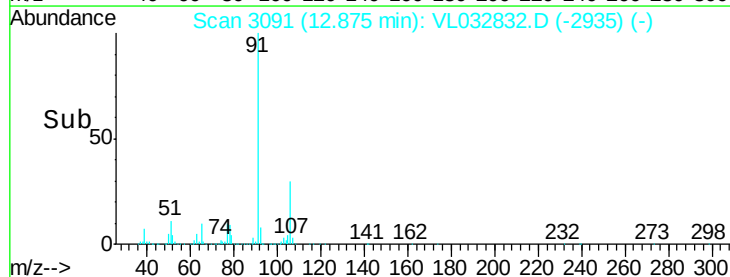
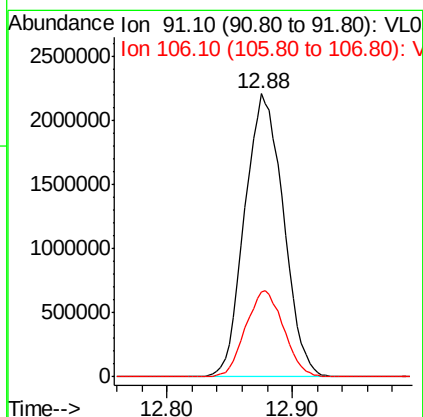
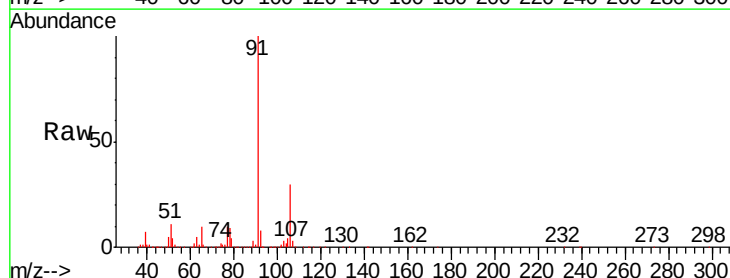
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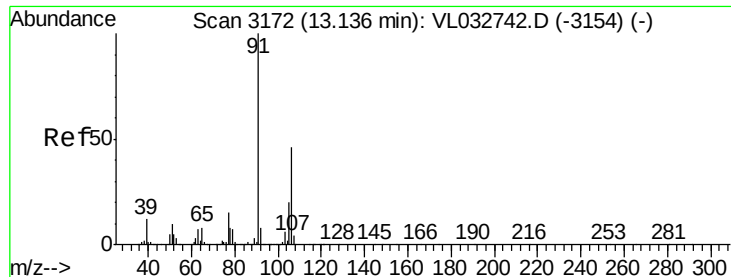
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#58
Ethyl Benzene
Concen: 10.579 ppbv
RT: 12.88 min Scan# 3091
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Tgt Ion: 91 Resp: 4743516
Ion Ratio Lower Upper
91 100
106 30.1 23.6 35.4





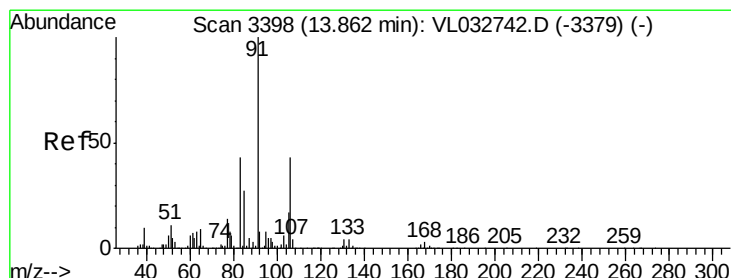
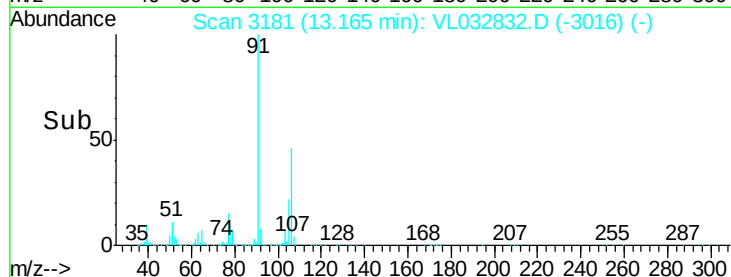
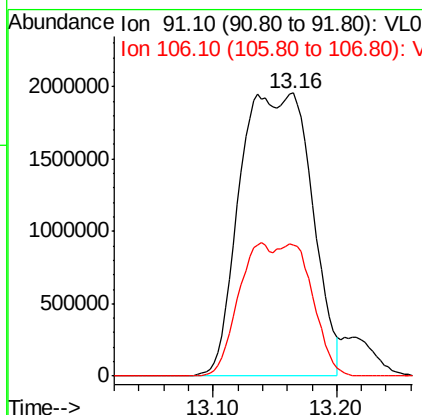
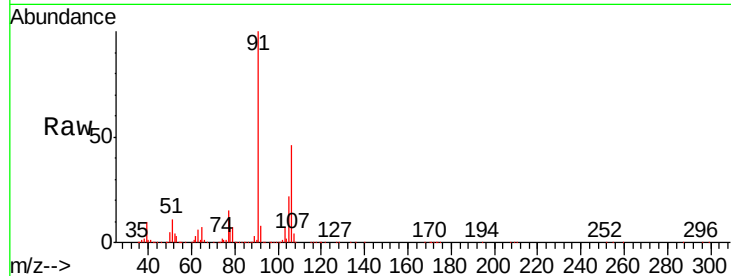
#59
m/p-Xylene
Concen: 19.716 ppbv m
RT: 13.16 min Scan# 3181
Delta R.T. 0.03 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL1129ABS01

Tgt Ion: 91 Resp: 7870168
Ion Ratio Lower Upper
91 100
106 46.2 36.1 54.1

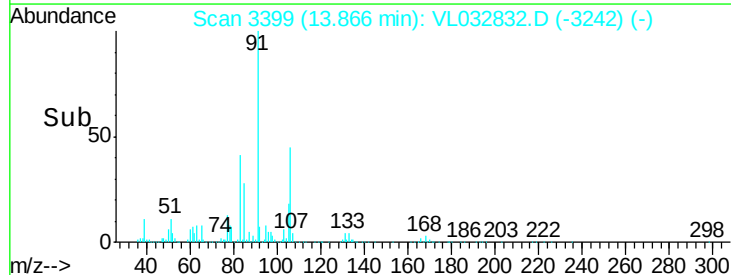
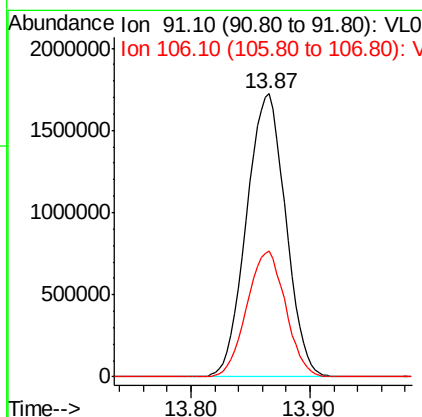
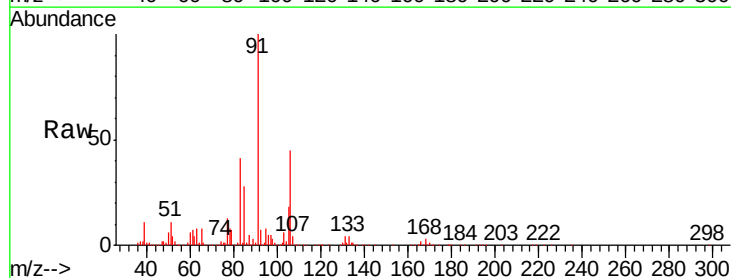
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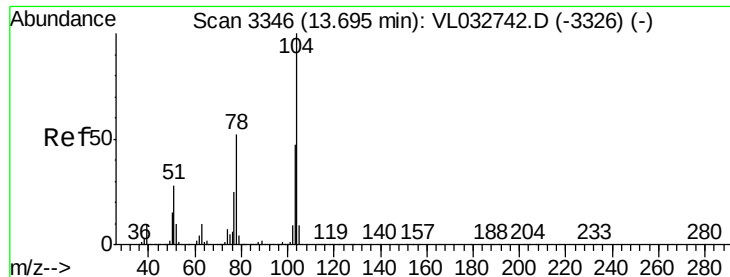
apatel
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#60
o-Xylene
Concen: 9.797 ppbv
RT: 13.87 min Scan# 3399
Delta R.T. 0.00 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Tgt Ion: 91 Resp: 3932122
Ion Ratio Lower Upper
91 100
106 44.0 21.9 65.7





#61

Styrene

Concen: 11.007 ppbv

RT: 13.70 min Scan# 3348

Delta R.T. 0.01 min

Lab File: VL032832.D

Acq: 29 Nov 2018 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1129ABS01

Tgt Ion:104 Resp: 2876019

Ion Ratio Lower Upper

104 100

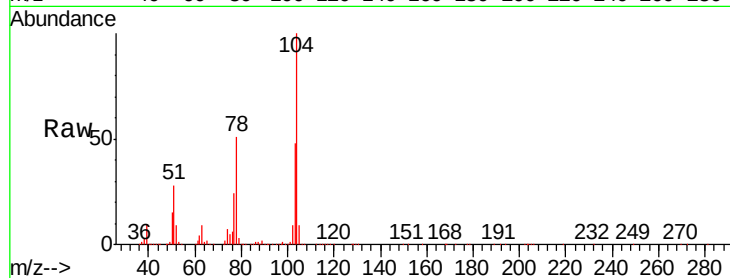
78 52.2 42.2 63.4

103 48.2 38.2 57.2

Manual Integrations
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apatel

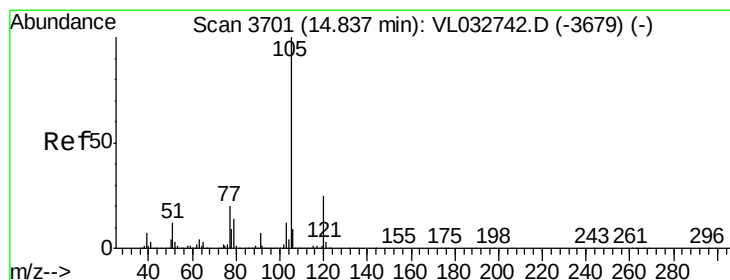
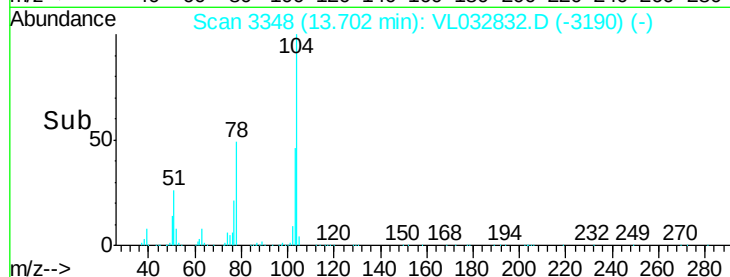
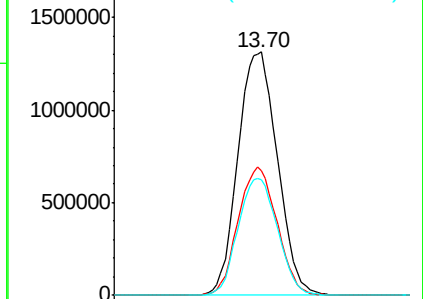
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 10.276 ppbv

RT: 14.84 min Scan# 3702

Delta R.T. 0.00 min

Lab File: VL032832.D

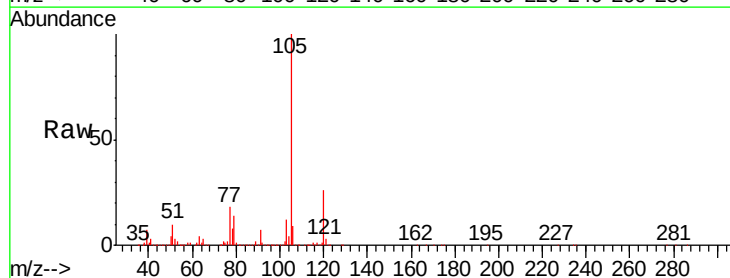
Acq: 29 Nov 2018 12:48

Tgt Ion:105 Resp: 5574971

Ion Ratio Lower Upper

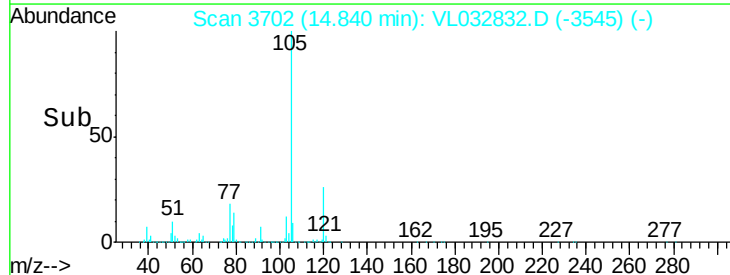
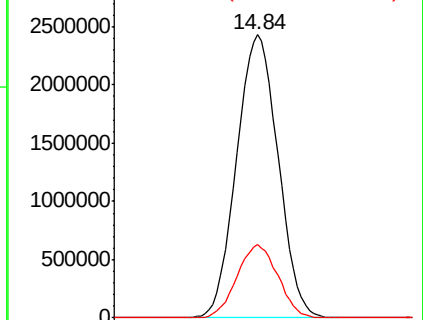
105 100

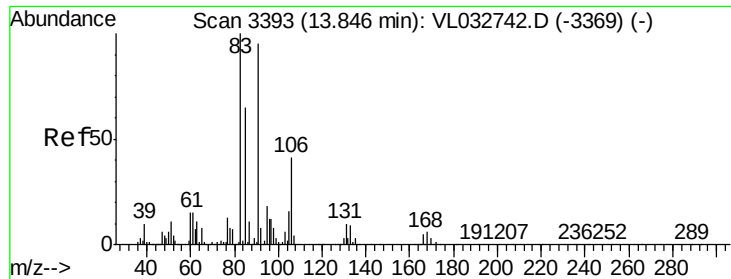
120 25.7 20.1 30.1



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: 8.689 ppbv

RT: 13.85 min Scan# 3395

Delta R.T. 0.01 min

Lab File: VL032832.D

Acq: 29 Nov 2018 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1129ABS01

Tgt Ion: 83 Resp: 2718532

Ion Ratio Lower Upper

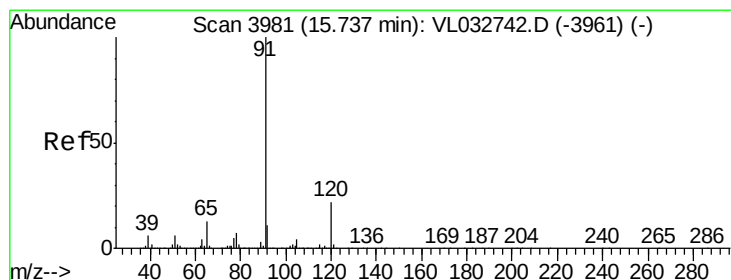
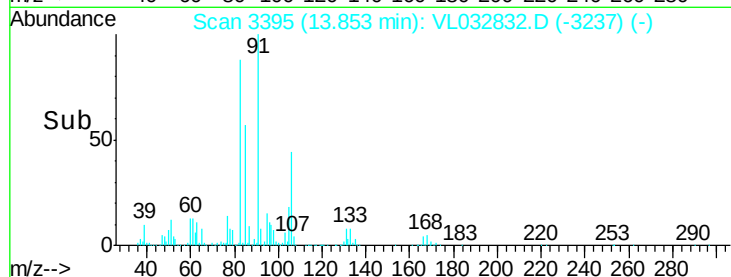
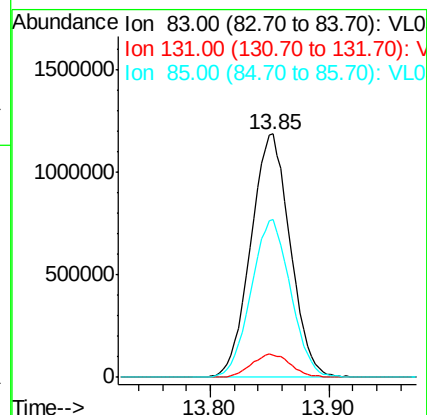
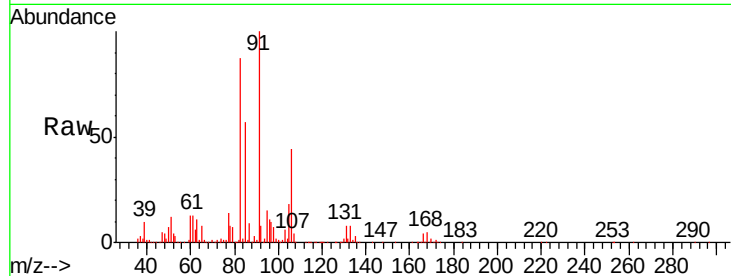
83 100

131 9.6 4.7 14.1

85 65.0 32.5 97.4

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#64

n-propylbenzene

Concen: 9.919 ppbv

RT: 15.74 min Scan# 3981

Delta R.T. 0.00 min

Lab File: VL032832.D

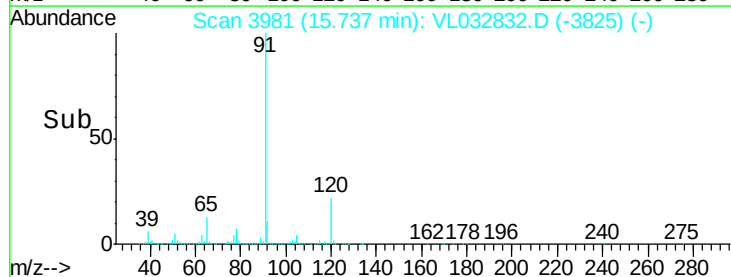
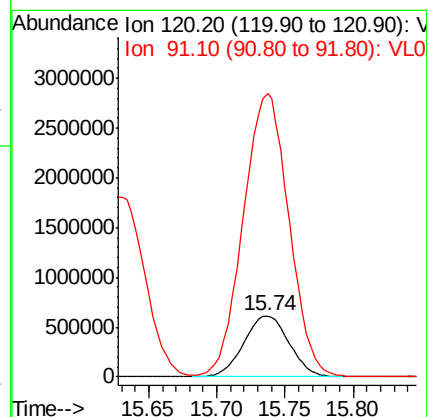
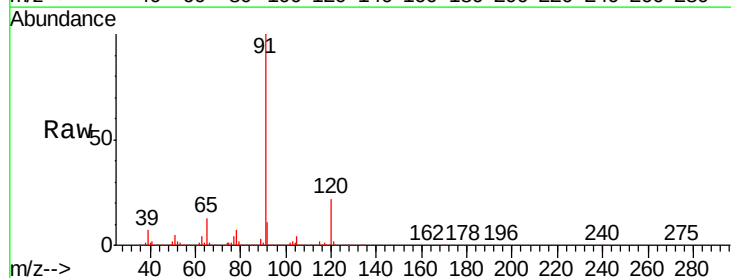
Acq: 29 Nov 2018 12:48

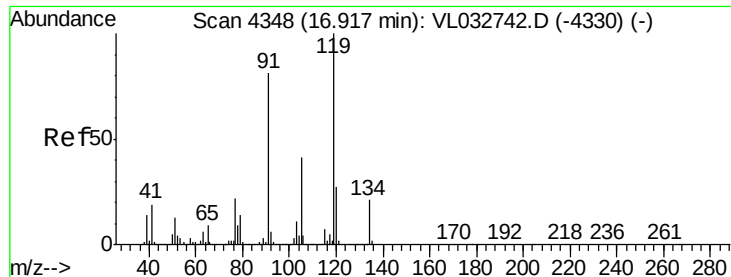
Tgt Ion: 120 Resp: 1415357

Ion Ratio Lower Upper

120 100

91 467.8 381.7 572.5





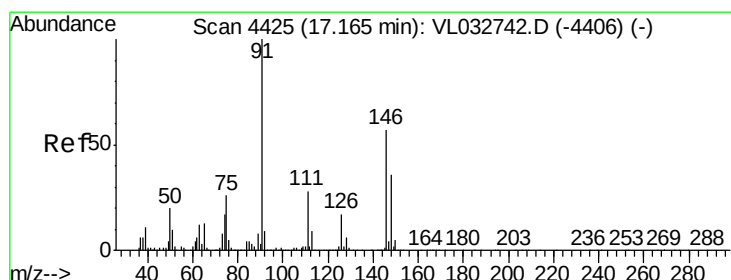
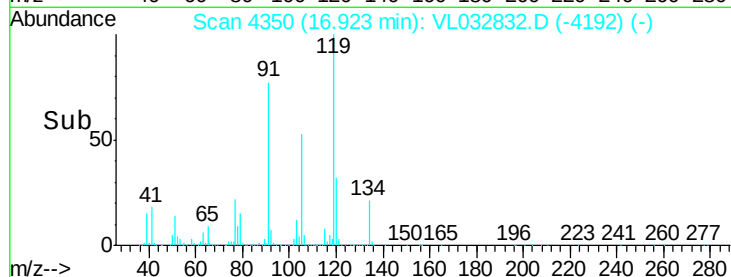
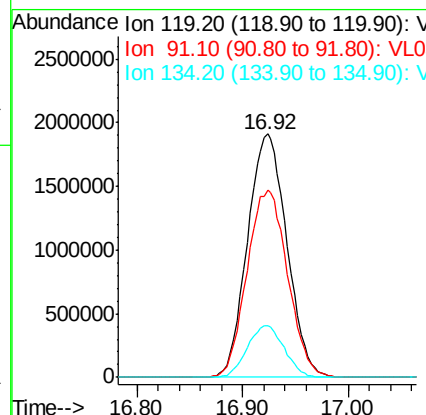
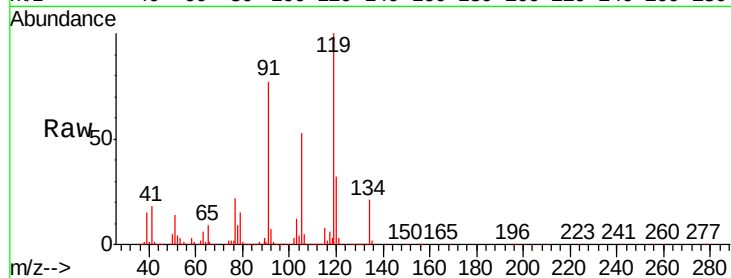
#65
 tert-Butylbenzene
 Concen: 10.173 ppbv
 RT: 16.92 min Scan# 4350
 Delta R.T. 0.01 min
 Lab File: VL032832.D
 Acq: 29 Nov 2018 12:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1129ABS01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	79.8	65.6	98.4
134	20.0	15.9	23.9

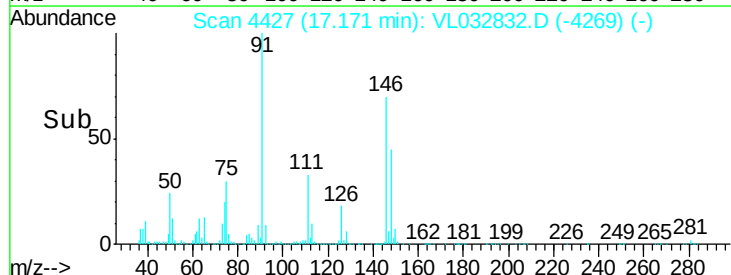
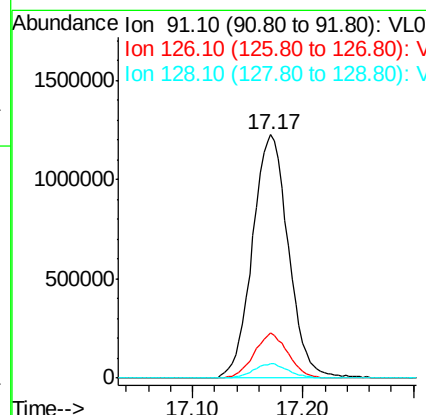
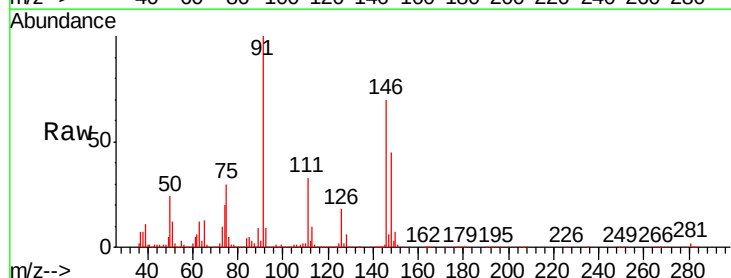
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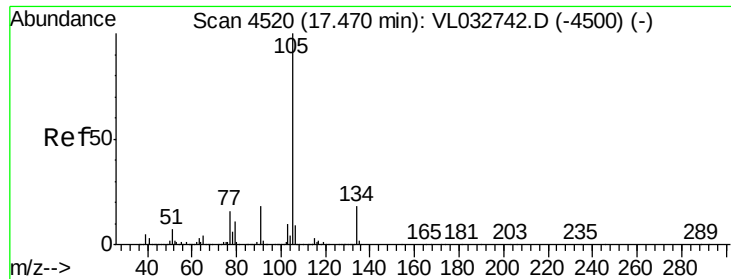
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#66
 Benzyl Chloride
 Concen: 10.287 ppbv
 RT: 17.17 min Scan# 4427
 Delta R.T. 0.01 min
 Lab File: VL032832.D
 Acq: 29 Nov 2018 12:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	17.7	14.2	21.2
128	5.7	4.5	6.7





#67

sec-Butylbenzene

Concen: 9.800 ppbv

RT: 17.47 min Scan# 4520

Delta R.T. 0.00 min

Lab File: VL032832.D

Acq: 29 Nov 2018 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1129ABS01

Tgt Ion: 105 Resp: 6868319

Ion Ratio Lower Upper

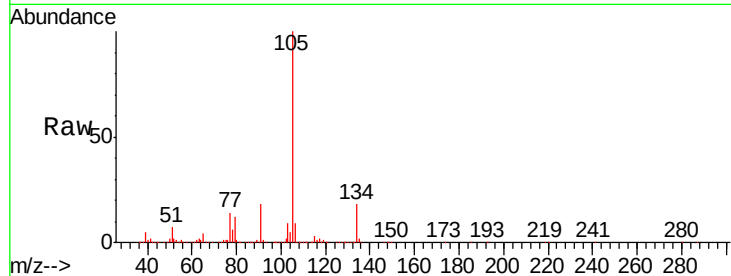
105 100

134 18.4 14.6 21.8

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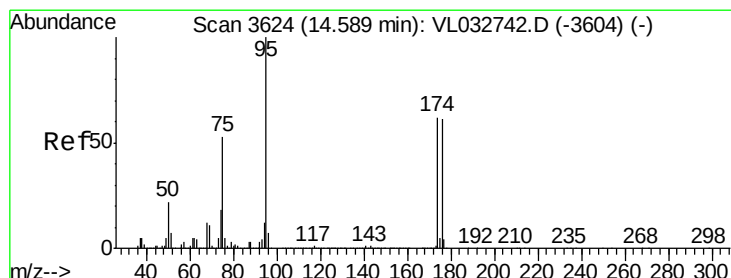
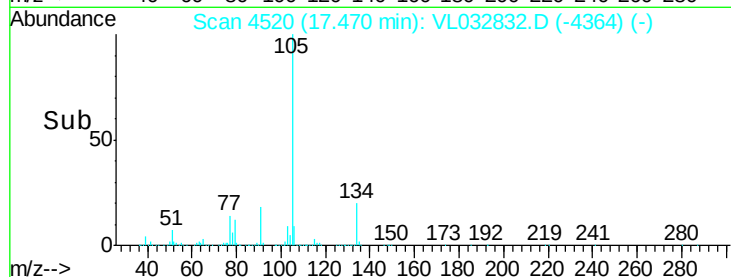
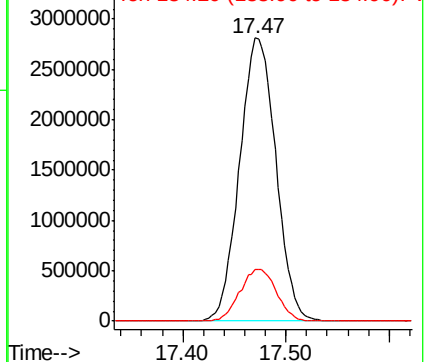
apatel

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.386 ppbv

RT: 14.59 min Scan# 3625

Delta R.T. 0.00 min

Lab File: VL032832.D

Acq: 29 Nov 2018 12:48

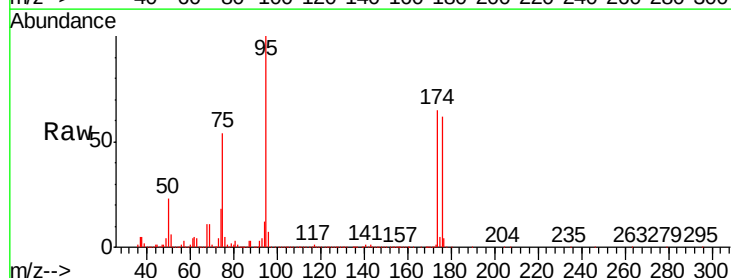
Tgt Ion: 95 Resp: 2894271

Ion Ratio Lower Upper

95 100

174 65.2 50.7 76.1

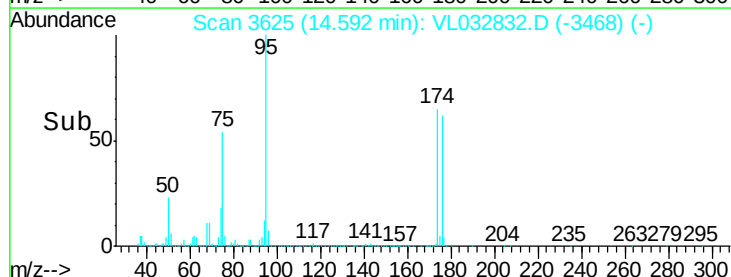
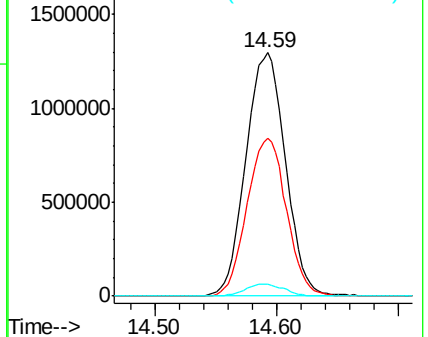
175 4.9 3.8 5.6

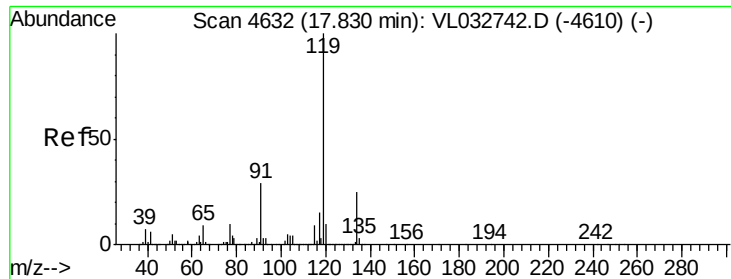


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





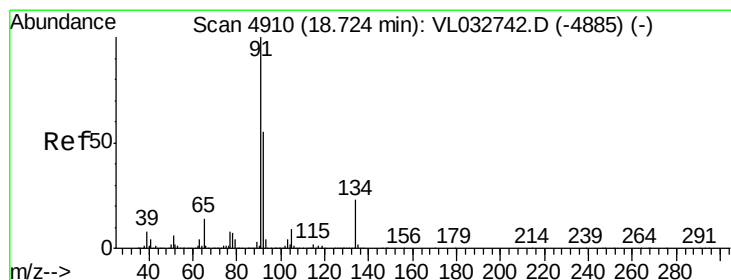
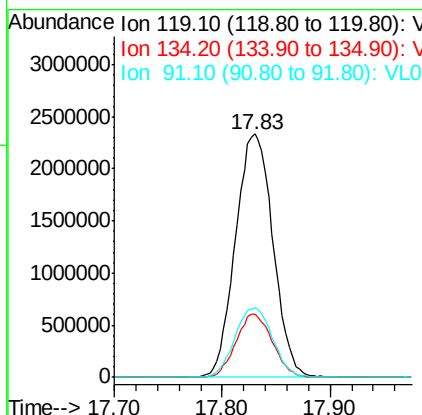
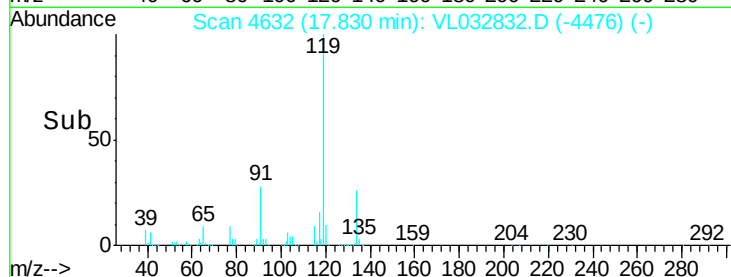
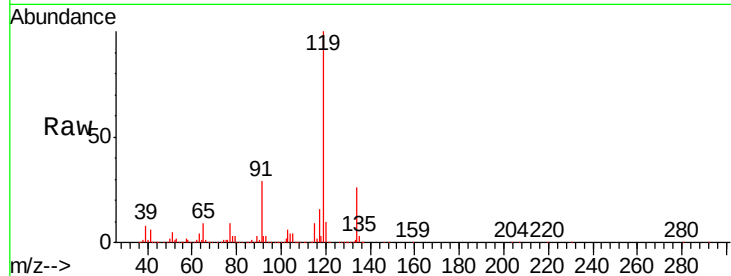
#69
 p-Isopropyltoluene
 Concen: 10.082 ppbv
 RT: 17.83 min Scan# 4632
 Delta R.T. 0.00 min
 Lab File: VL032832.D
 Acq: 29 Nov 2018 12:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1129ABS01

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.2	30.4
91	28.8	23.5	35.3

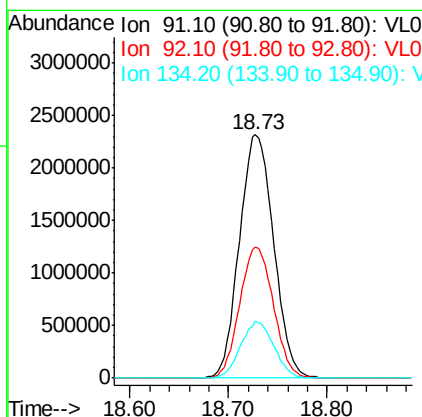
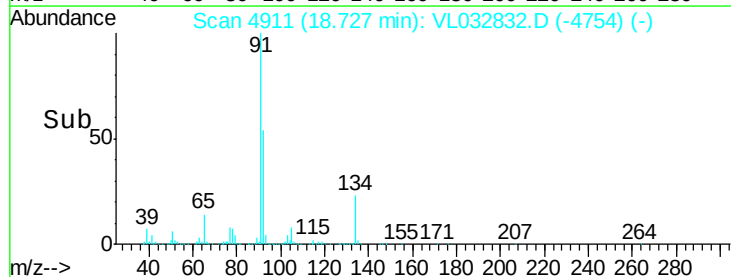
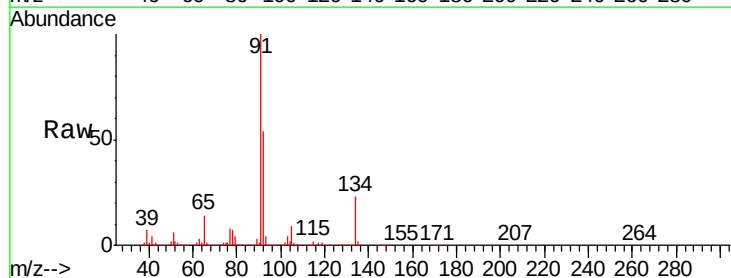
Manual Integrations
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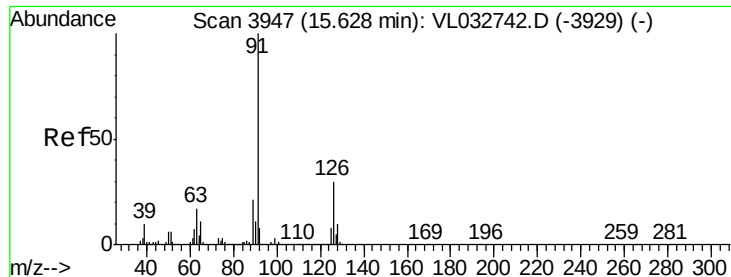
apatel
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#70
 n-Butylbenzene
 Concen: 9.837 ppbv
 RT: 18.73 min Scan# 4911
 Delta R.T. 0.00 min
 Lab File: VL032832.D
 Acq: 29 Nov 2018 12:48

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.1	42.9	64.3
134	22.6	17.8	26.8





#71

2-Chlorotoluene

Concen: 10.110 ppbv

RT: 15.63 min Scan# 3948

Delta R.T. 0.00 min

Lab File: VL032832.D

Acq: 29 Nov 2018 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1129ABS01

Tgt Ion: 91 Resp: 4090225

Ion Ratio Lower Upper

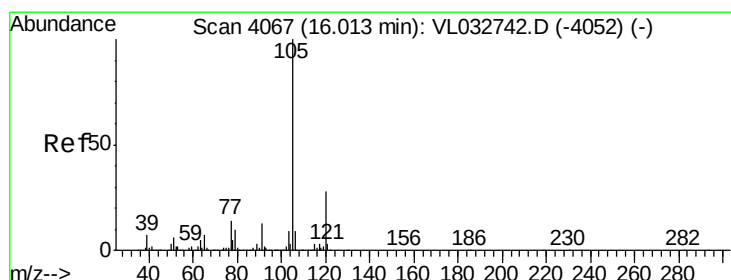
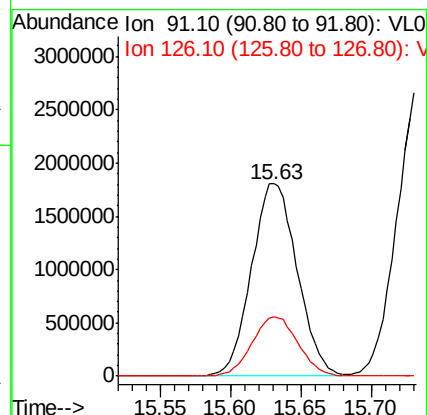
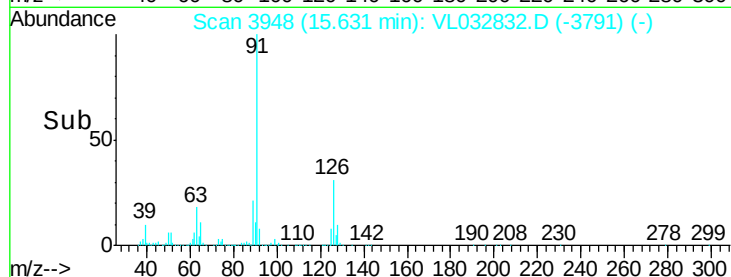
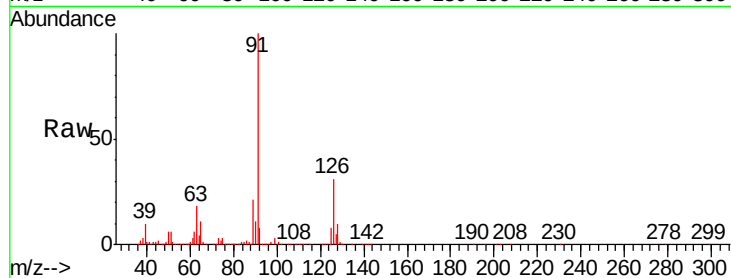
91 100

126 30.9 12.1 48.5

Manual Integrations
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#72

4-Ethyltoluene

Concen: 10.178 ppbv

RT: 16.02 min Scan# 4068

Delta R.T. 0.00 min

Lab File: VL032832.D

Acq: 29 Nov 2018 12:48

Tgt Ion: 105 Resp: 4477495

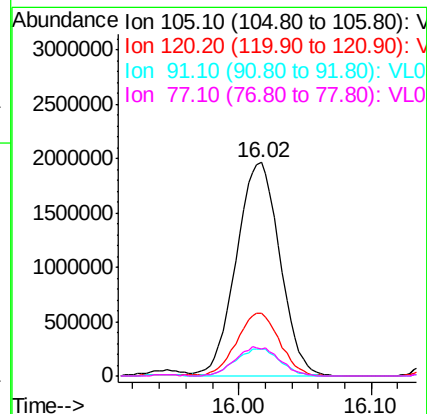
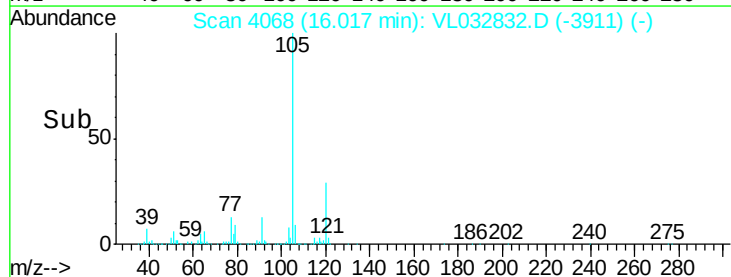
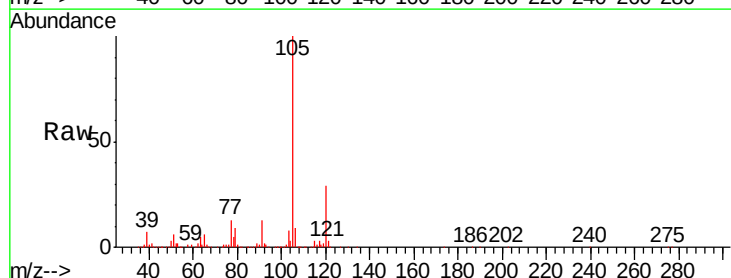
Ion Ratio Lower Upper

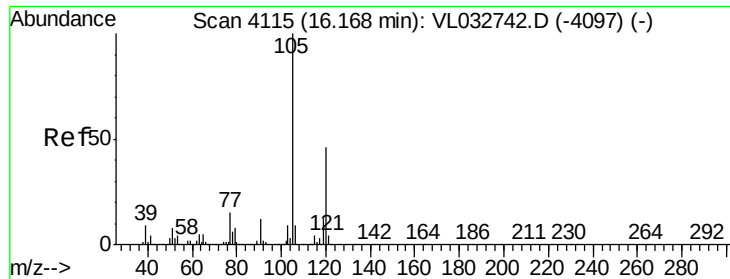
105 100

120 29.1 22.9 34.3

91 13.1 10.6 15.8

77 14.2 11.4 17.2





#73

1,3,5-Trimethylbenzene

Concen: 10.604 ppbv

RT: 16.17 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VL032832.D

Acq: 29 Nov 2018 12:48

Instrument :

MSVOA_L

ClientSampleId :

VL1129ABS01

Tgt Ion:105 Resp: 4561142

Ion Ratio Lower Upper

105 100

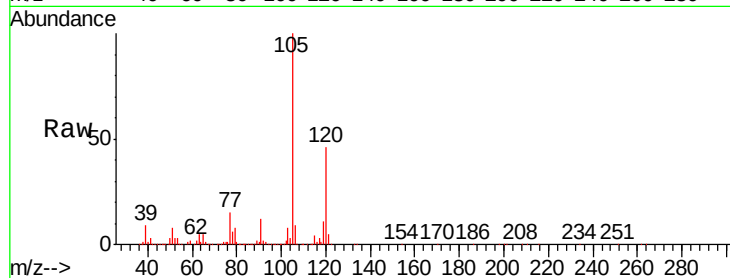
120 45.6 36.6 55.0

Manual Integrations

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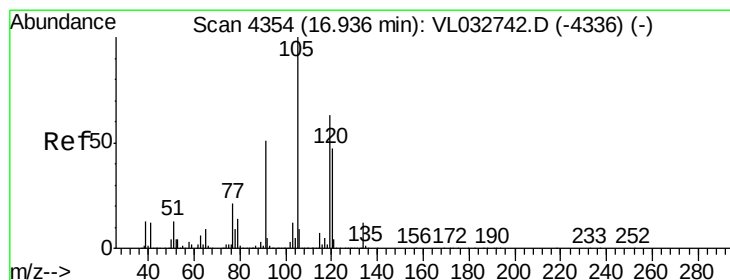
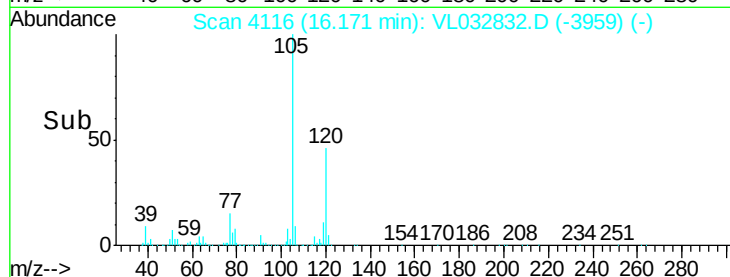
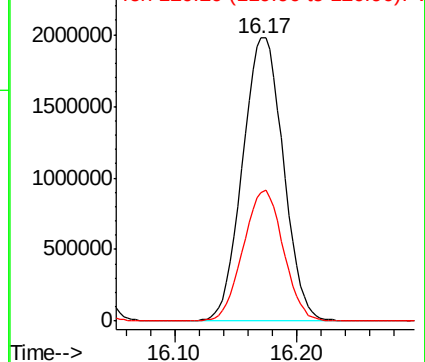
apatel

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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: 9.500 ppbv

RT: 16.94 min Scan# 4355

Delta R.T. 0.00 min

Lab File: VL032832.D

Acq: 29 Nov 2018 12:48

Tgt Ion:105 Resp: 4372827

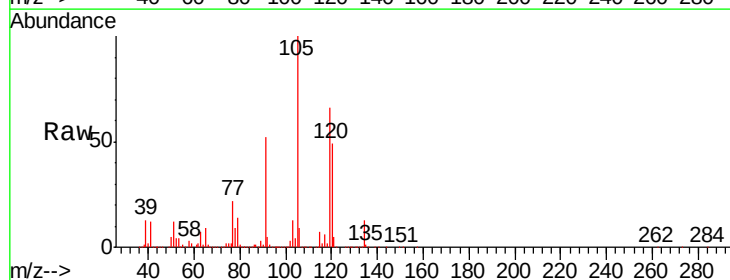
Ion Ratio Lower Upper

105 100

120 48.7 37.6 56.4

91 51.6 42.5 63.7

77 21.9 17.4 26.2

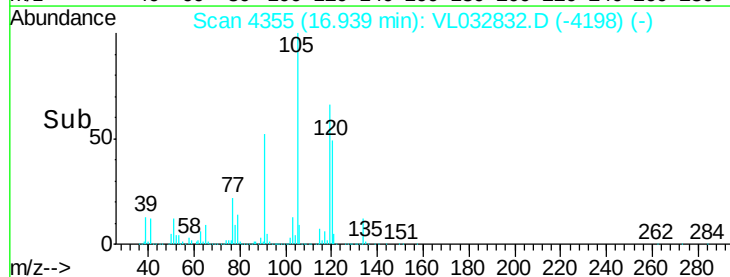
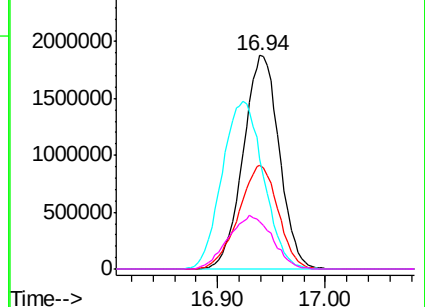


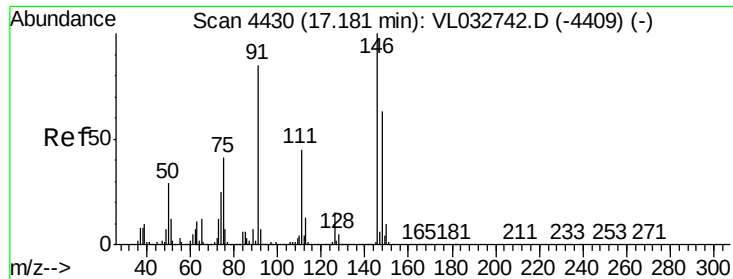
Abundance Ion 105.10 (104.80 to 105.80): V

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





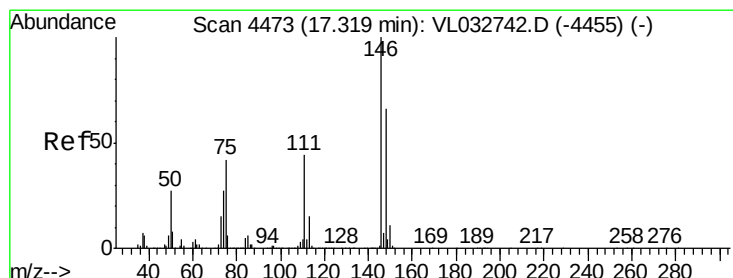
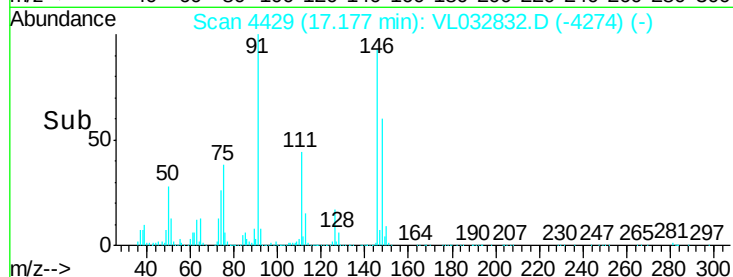
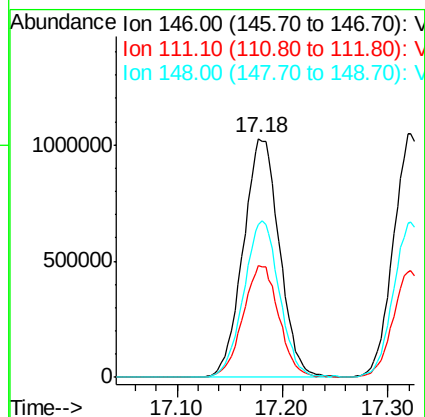
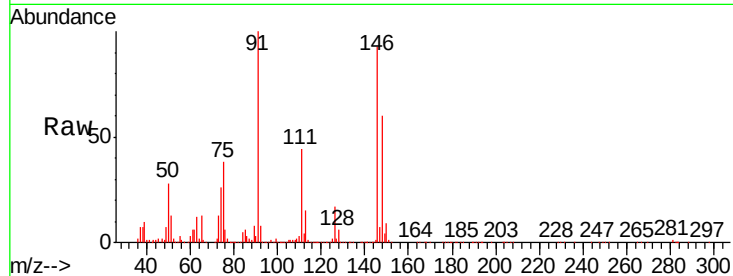
#75
 1,3-Dichlorobenzene
 Concen: 9.307 ppbv
 RT: 17.18 min Scan# 4429
 Delta R.T. -0.00 min
 Lab File: VL032832.D
 Acq: 29 Nov 2018 12:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1129ABS01

Tgt Ion:146 Resp: 2457265
 Ion Ratio Lower Upper
 146 100
 111 46.5 23.5 70.6
 148 64.5 31.8 95.3

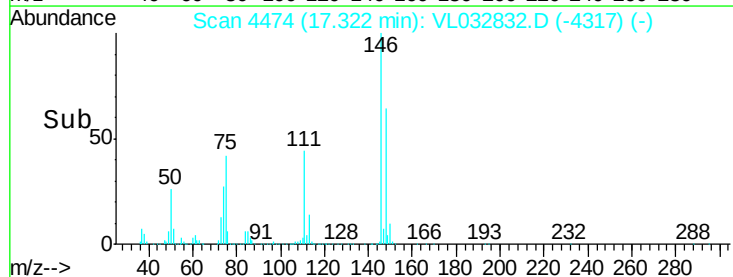
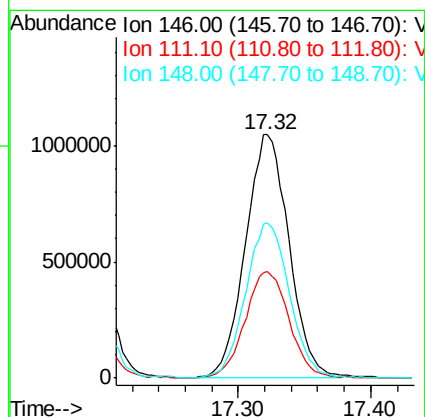
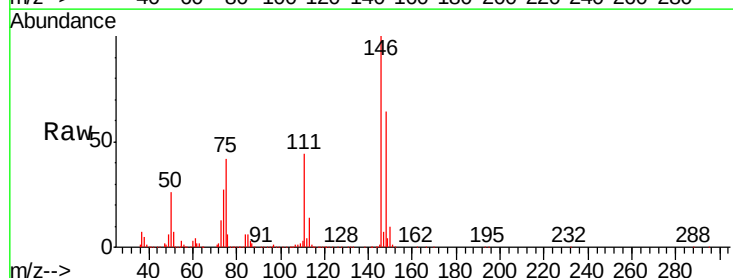
Manual Integrations
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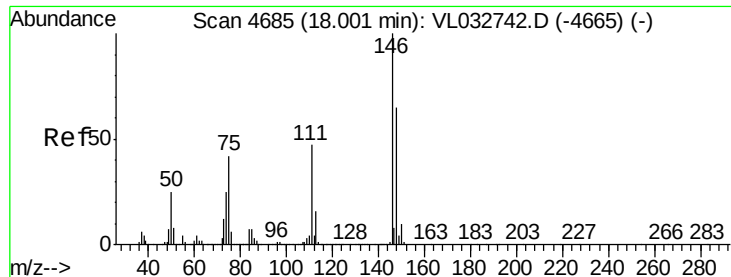
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#76
 1,4-Dichlorobenzene
 Concen: 9.644 ppbv
 RT: 17.32 min Scan# 4474
 Delta R.T. 0.00 min
 Lab File: VL032832.D
 Acq: 29 Nov 2018 12:48

Tgt Ion:146 Resp: 2378354
 Ion Ratio Lower Upper
 146 100
 111 44.8 22.5 67.5
 148 64.8 32.5 97.5





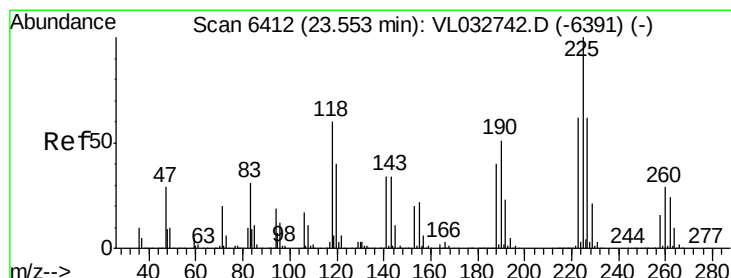
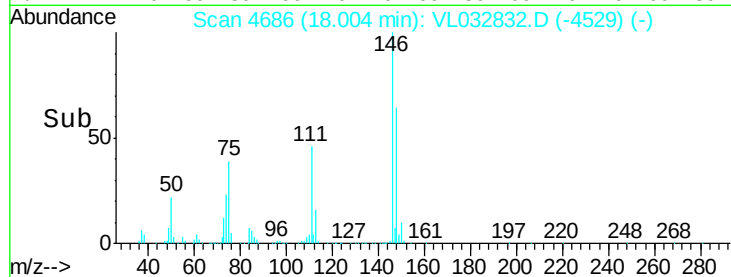
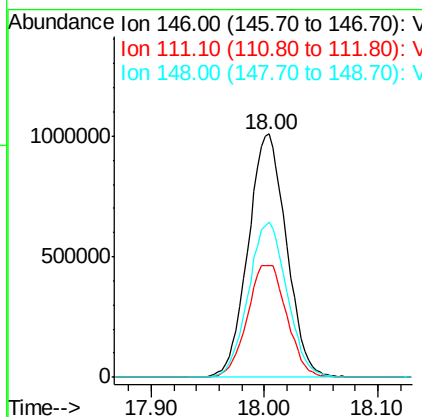
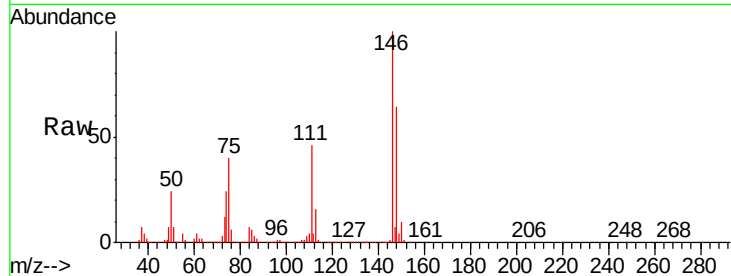
#77
 1,2-Dichlorobenzene
 Concen: 9.701 ppbv
 RT: 18.00 min Scan# 4686
 Delta R.T. 0.00 min
 Lab File: VL032832.D
 Acq: 29 Nov 2018 12:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1129ABS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.8	24.4	73.2
148	64.4	32.2	96.6

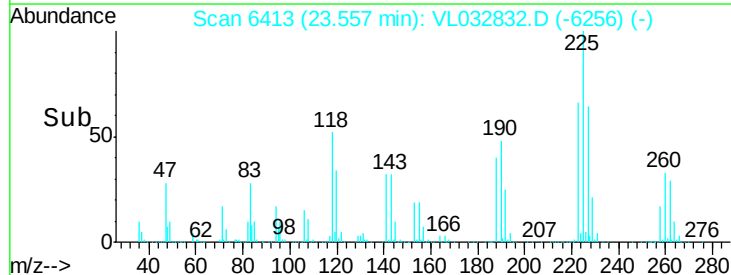
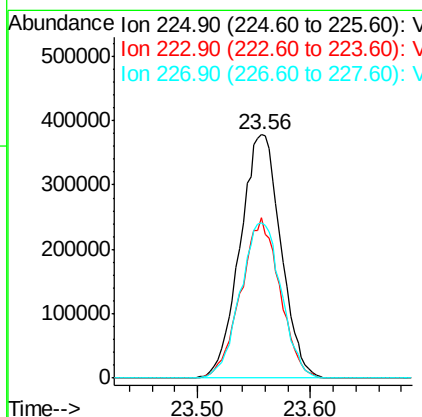
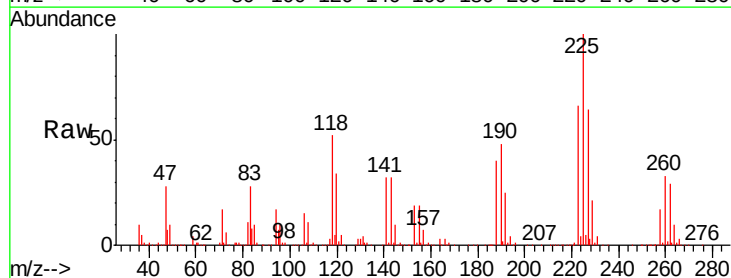
Manual Integrations
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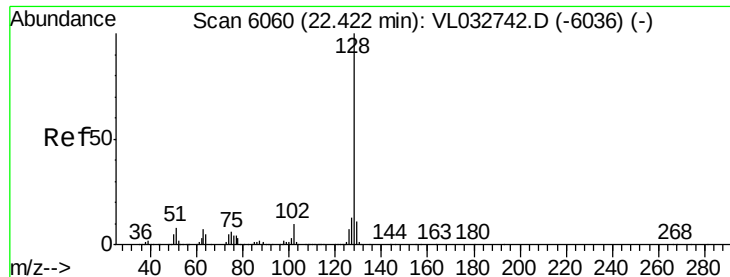
apatel
 12/4/2018 8:38:25 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.183 ppbv
 RT: 23.56 min Scan# 6413
 Delta R.T. 0.00 min
 Lab File: VL032832.D
 Acq: 29 Nov 2018 12:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.3	75.5
227	63.9	50.2	75.4





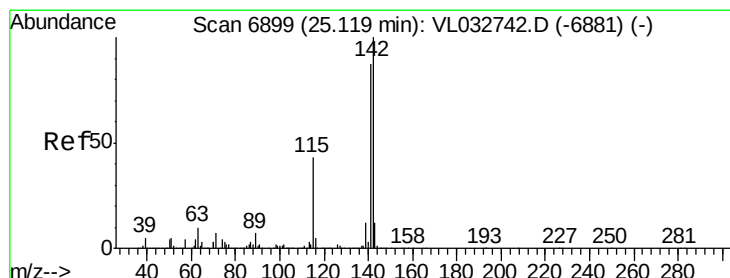
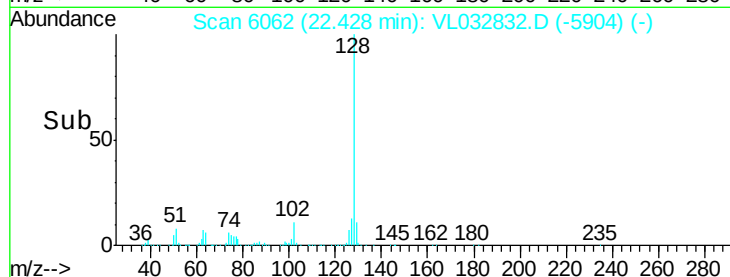
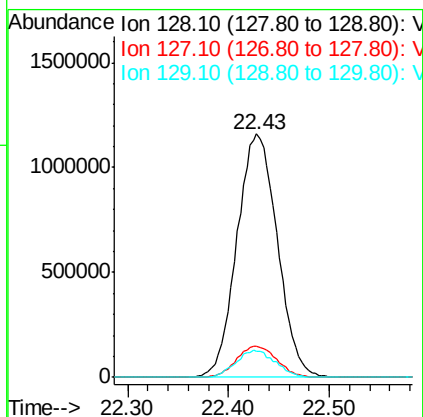
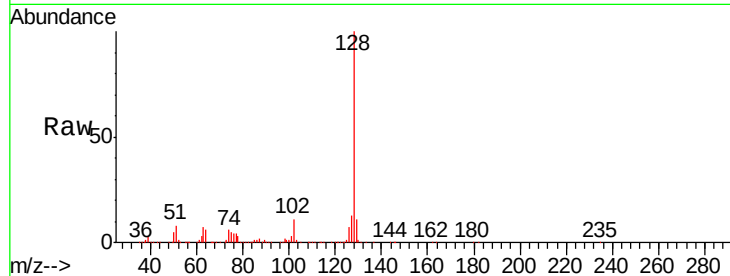
#79
Naphthalene
Concen: 10.637 ppbv
RT: 22.43 min Scan# 6062
Delta R.T. 0.01 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Instrument :
MSVOA_L
ClientSampleId :
VL1129ABS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.1	15.1
129	10.9	8.9	13.3

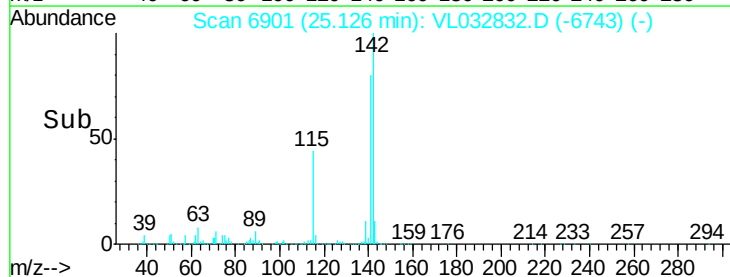
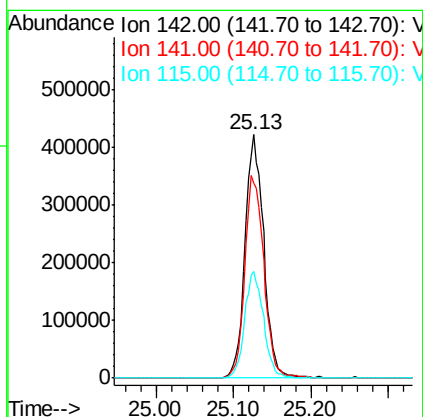
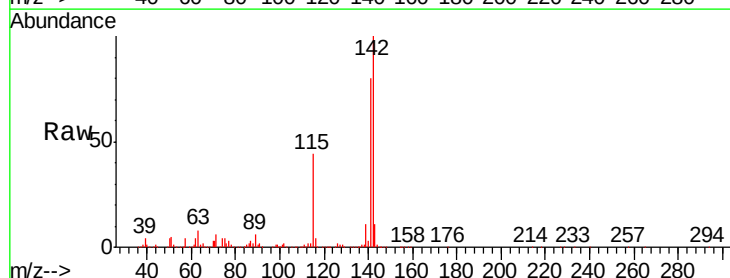
Manual Integrations
APPROVED

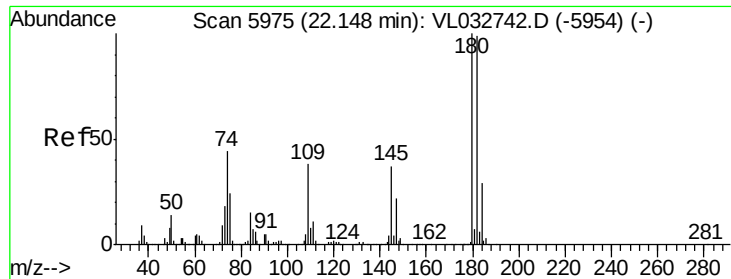
apatel
12/4/2018 8:38:25 AM



#80
Naphthalene, 2-methyl-
Concen: 9.381 ppbv
RT: 25.13 min Scan# 6901
Delta R.T. 0.01 min
Lab File: VL032832.D
Acq: 29 Nov 2018 12:48

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.3	68.7	103.1
115	44.1	35.5	53.3





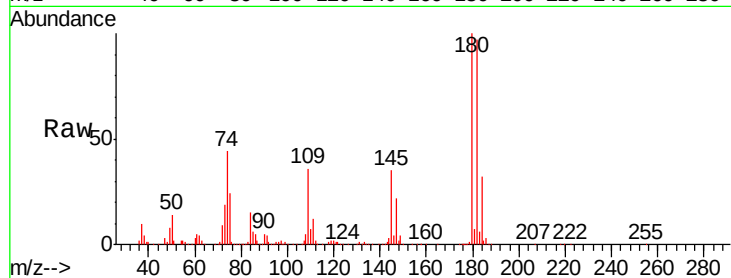
#81
 1,2,4-Trichlorobenzene
 Concen: 10.763 ppbv
 RT: 22.15 min Scan# 5977
 Delta R.T. 0.01 min
 Lab File: VL032832.D
 Acq: 29 Nov 2018 12:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1129ABS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.3	115.9
184	30.5	24.2	36.4

Manual Integrations
 APPROVED

apatel
 12/4/2018 8:38:25 AM



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

