

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112918\
 Data File : VL032844.D
 Acq On : 29 Nov 2018 21:17
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
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 12/4/2018 8:39:07 AM

Quant Time: Nov 30 07:55:55 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	5.78	49	1403047	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	3609546	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3467146m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2736460	10.55	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	1823216	9.040	ppbv	100
3) Chlorodifluoromethane	3.02	51	1059093	9.521	ppbv	100
4) Chloromethane	3.18	50	566482	9.184	ppbv	100
5) Vinyl Chloride	3.30	62	594269	9.093	ppbv	97
6) Bromomethane	3.52	94	394680	9.872	ppbv	95
7) Chloroethane	3.61	64	232614	9.875	ppbv #	88
8) Dichlorotetrafluoroethane	3.23	85	1502761	9.456	ppbv	98
9) Propene	3.05	41	425990	9.570	ppbv	99
10) Heptane	8.26	43	1736350	10.217	ppbv	100
11) Trichlorofluoromethane	4.01	101	2322456	12.219	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1751424	11.282	ppbv	97
13) Ethanol	3.66	45	102364	7.021	ppbv	97
14) Bromoethene	3.80	108	519600	10.088	ppbv	99
15) Acetone	3.91	43	1109730	8.661	ppbv	99
16) 1,3-Butadiene	3.37	39	506367	10.205	ppbv	97
17) tert-Butyl alcohol	4.37	59	439389	10.934	ppbv	99
18) 1,1-Dichloroethene	4.36	96	765813	10.031	ppbv	99
19) Isopropyl Alcohol	4.03	45	1018837	11.936	ppbv	99
20) Methylene Chloride	4.42	84	675874	10.189	ppbv	97
21) Allyl Chloride	4.48	41	1163112	10.802	ppbv	98
22) trans-1,2-Dichloroethene	4.98	96	804916	10.798	ppbv	95
23) Vinyl Acetate	5.16	43	2303502	9.862	ppbv	99
24) 1,1-Dichloroethane	5.10	63	1831704	9.864	ppbv	100
25) Ethyl Acetate	5.78	43	2930276	9.812	ppbv	100
26) Hexane	5.79	57	1358603	10.220	ppbv	99
27) Carbon Disulfide	4.63	76	1833603	10.878	ppbv	99
28) Methyl tert-Butyl Ether	5.12	73	2242016	10.576	ppbv	100
29) Chloroform	5.86	83	2436160	10.282	ppbv	96
30) Cyclohexane	7.25	84	1211291	10.418	ppbv	98
31) cis-1,2-Dichloroethene	5.65	61	1386587	10.374	ppbv	99
32) 1,1,1-Trichloroethane	6.63	97	2479803	9.548	ppbv	99
34) 2-Butanone	5.34	43	1864114	9.957	ppbv	100
35) Carbon Tetrachloride	7.15	117	2713747	9.352	ppbv	100
36) Benzene	7.02	78	2867759	9.977	ppbv	99
37) 1,2-Dichloroethane	6.43	62	1906720	9.854	ppbv	99
38) Trichloroethene	7.98	130	1218689	10.477	ppbv	98
39) 1,2-Dichloropropane	7.75	63	1054104	9.625	ppbv	95
40) 1,4-Dioxane	7.97	88	385258	9.849	ppbv #	1
41) Tetrahydrofuran	6.16	42	1100176	10.245	ppbv	100
42) Bromodichloromethane	7.93	83	2597274	9.902	ppbv	98
43) Methyl Methacrylate	8.15	69	1151083	10.727	ppbv	99

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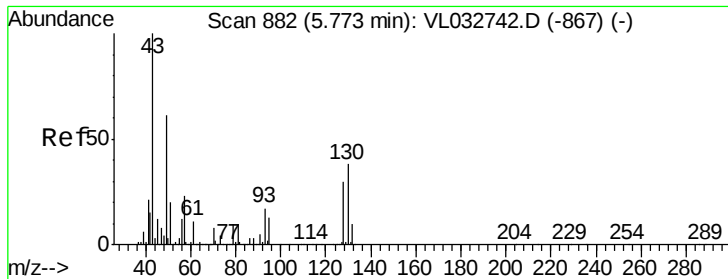
Manual Integrations
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Quant Time: Nov 30 07:55:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 14 2018
 QLast Update : Wed Nov 14 07:00:23 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	4836144	10.068	ppbv	100
45) t-1,3-Dichloropropene	9.43	75	1697167	11.787	ppbv	98
46) cis-1,3-Dichloropropene	8.85	75	1926313	11.073	ppbv	96
47) 1,1,2-Trichloroethane	9.62	97	1289839	9.960	ppbv	95
48) Dibromochloromethane	10.46	129	2215566	10.066	ppbv	100
49) Bromoform	13.21	173	1830763	10.072	ppbv	99
50) 4-Methyl-2-Pentanone	8.88	43	2927367	10.011	ppbv	99
51) 2-Hexanone	10.28	43	2076557	11.023	ppbv #	99
52) Tetrachloroethene	11.38	164	1044746	10.449	ppbv	98
53) Toluene	9.96	91	3349306	11.169	ppbv	99
54) 1,2-Dibromoethane	10.77	107	1883237	10.288	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.29	131	1570976	9.715	ppbv	100
57) Chlorobenzene	12.31	112	2570647	9.686	ppbv	99
58) Ethyl Benzene	12.88	91	4517284	10.826	ppbv	99
59) m/p-Xylene	13.16	91	7630936m	20.543	ppbv	
60) o-Xylene	13.86	91	3644976	9.759	ppbv	99
61) Styrene	13.70	104	2708109	11.138	ppbv	99
62) Isopropylbenzene	14.84	105	5158503	10.218	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.85	83	2414903	8.294	ppbv	99
64) n-propylbenzene	15.73	120	1311655	9.878	ppbv	99
65) tert-Butylbenzene	16.92	119	4541491	10.035	ppbv	99
66) Benzyl Chloride	17.17	91	2521882	10.080	ppbv	100
67) sec-Butylbenzene	17.47	105	6333795	9.711	ppbv	99
69) p-Isopropyltoluene	17.83	119	5273770	10.170	ppbv	99
70) n-Butylbenzene	18.73	91	5431300	10.315	ppbv	100
71) 2-Chlorotoluene	15.63	91	3828875	10.170	ppbv	99
72) 4-Ethyltoluene	16.01	105	4220291	10.309	ppbv	100
73) 1,3,5-Trimethylbenzene	16.17	105	4007391	10.012	ppbv	100
74) 1,2,4-Trimethylbenzene	16.94	105	4122315	9.624	ppbv	99
75) 1,3-Dichlorobenzene	17.18	146	2359722	9.605	ppbv	99
76) 1,4-Dichlorobenzene	17.32	146	2319381	10.106	ppbv	100
77) 1,2-Dichlorobenzene	18.00	146	2301875	10.127	ppbv	99
78) Hexachloro-1,3-Butadiene	23.56	225	1834350	14.954	ppbv	99
79) Naphthalene	22.43	128	4211947	14.969	ppbv	99
80) Naphthalene,2-methyl-	25.12	142	1073676	15.235	ppbv	99
81) 1,2,4-Trichlorobenzene	22.15	180	2024922	14.331	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.78 min Scan# 883

Delta R.T. 0.00 min

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VSTDCCC010EC

Tgt Ion: 49 Resp: 1403047

Ion Ratio Lower Upper

49 100

128 51.8 24.9 74.6

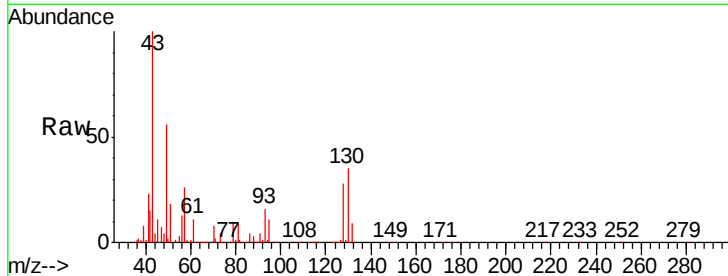
130 66.4 31.4 94.2

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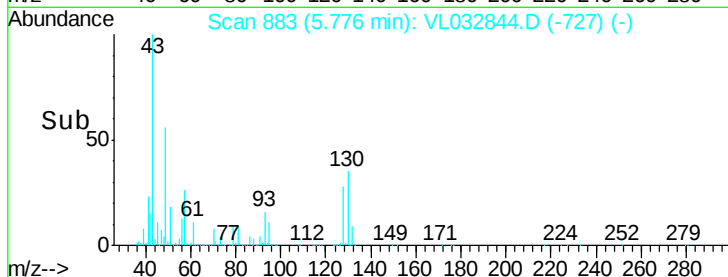


Abundance Ion 49.10 (48.80 to 49.80): VL0

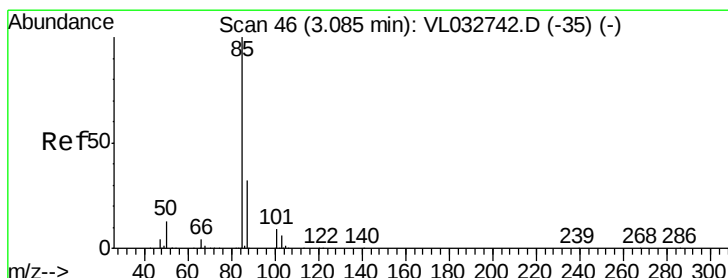
Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

Time-->



Time-->



#2

Dichlorodifluoromethane

Concen: 9.040 ppbv

RT: 3.08 min Scan# 46

Delta R.T. -0.00 min

Lab File: VL032844.D

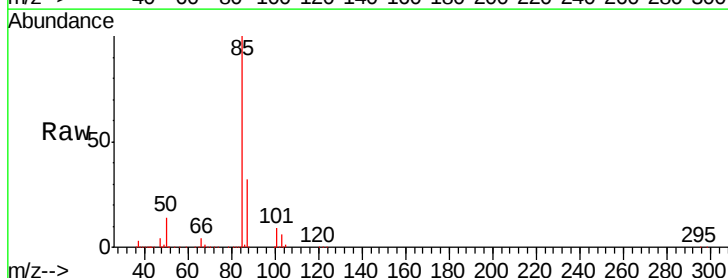
Acq: 29 Nov 2018 21:17

Tgt Ion: 85 Resp: 1823216

Ion Ratio Lower Upper

85 100

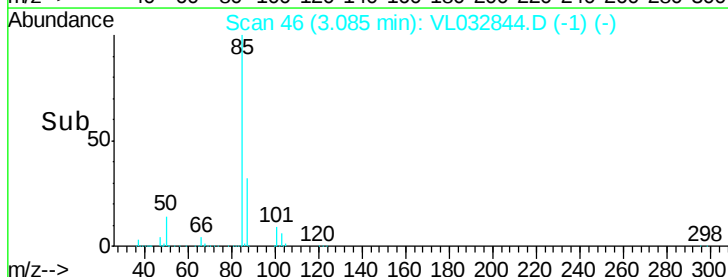
87 32.4 26.0 39.0



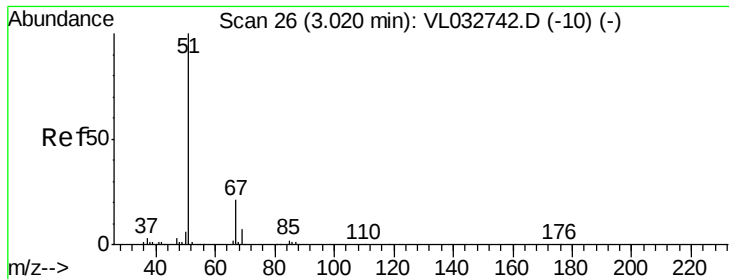
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

Time-->



Time-->



#3

Chlorodifluoromethane

Concen: 9.521 ppbv

RT: 3.02 min Scan# 27

Delta R.T. 0.00 min

Lab File: VL032844.D

Acq: 29 Nov 2018 21:17

Tgt Ion: 51 Resp: 1059093

Ion Ratio Lower Upper

51 100

67 20.3 16.1 24.1

Instrument :

MSVOA_L

ClientSampleId :

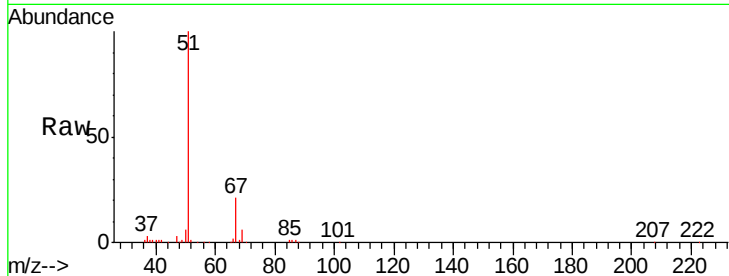
VSTDCCC010EC

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

800000

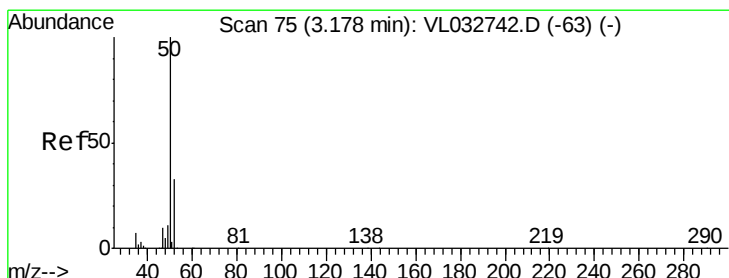
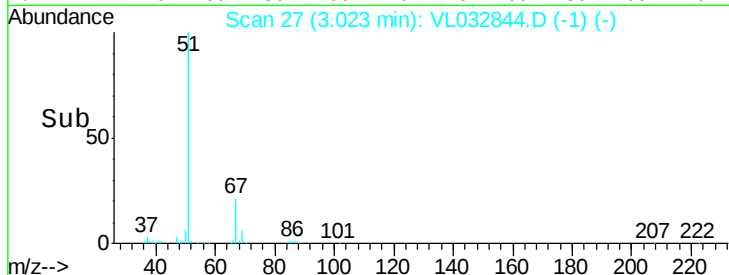
600000

400000

200000

0

Time-->



#4

Chloromethane

Concen: 9.184 ppbv

RT: 3.18 min Scan# 75

Delta R.T. -0.00 min

Lab File: VL032844.D

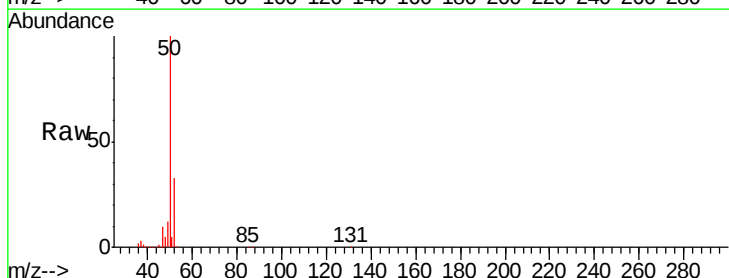
Acq: 29 Nov 2018 21:17

Tgt Ion: 50 Resp: 566482

Ion Ratio Lower Upper

50 100

52 33.2 26.6 40.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

400000

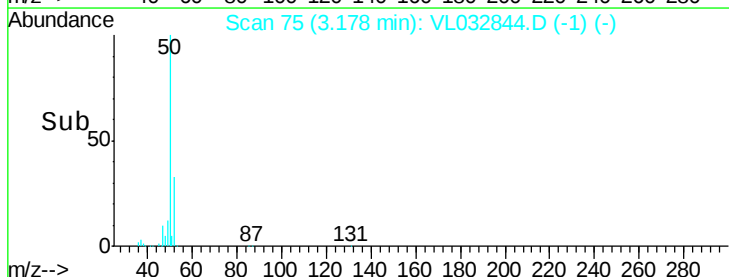
300000

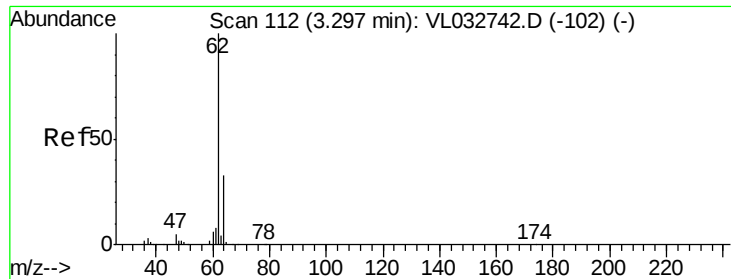
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 9.093 ppbv

RT: 3.30 min Scan# 113

Delta R.T. 0.00 min

Lab File: VL032844.D

Acq: 29 Nov 2018 21:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 62 Resp: 594269

Ion Ratio Lower Upper

62 100

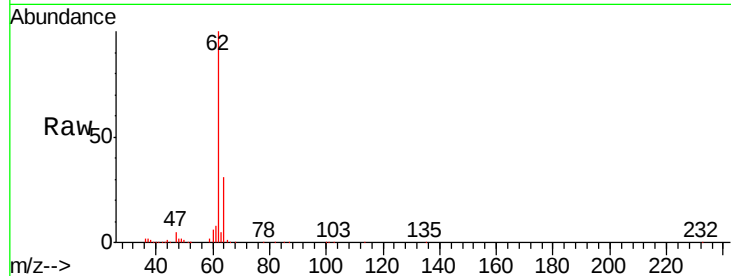
64 31.1 26.2 39.4

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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

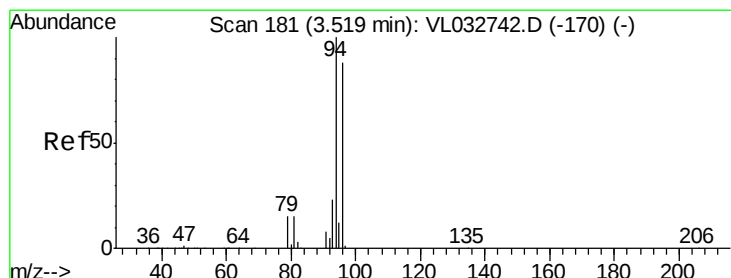
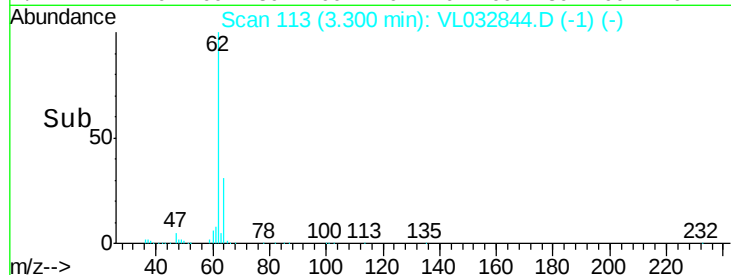
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 9.872 ppbv

RT: 3.52 min Scan# 182

Delta R.T. 0.00 min

Lab File: VL032844.D

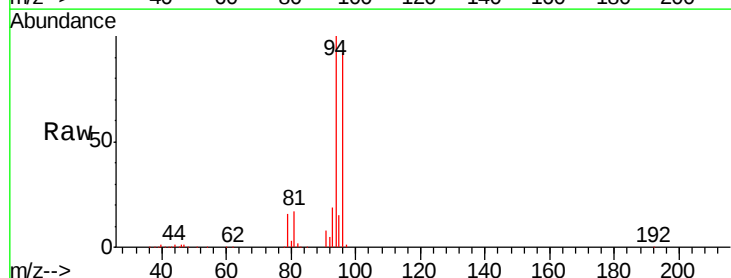
Acq: 29 Nov 2018 21:17

Tgt Ion: 94 Resp: 394680

Ion Ratio Lower Upper

94 100

96 92.2 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

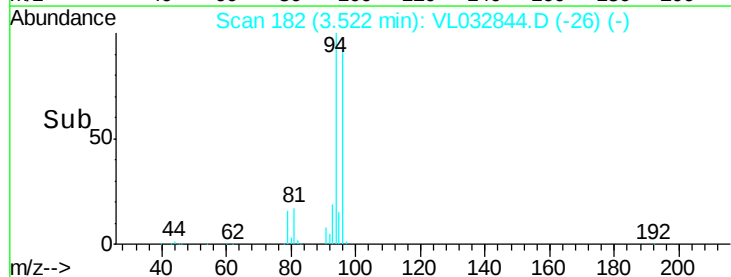
150000

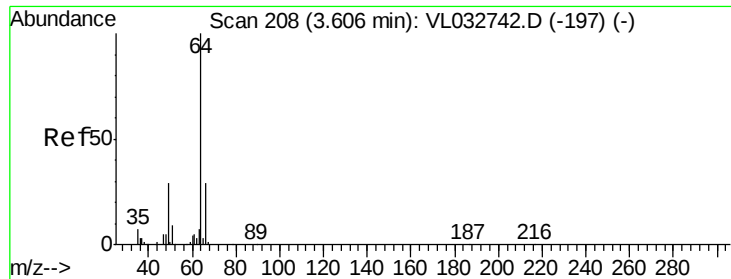
100000

50000

0

Time-->





#7

Chloroethane

Concen: 9.875 ppbv

RT: 3.61 min Scan# 209

Delta R.T. 0.00 min

Lab File: VL032844.D

Acq: 29 Nov 2018 21:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 64 Resp: 232614

Ion Ratio Lower Upper

64 100

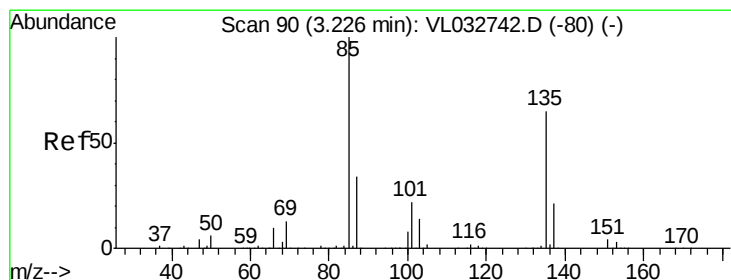
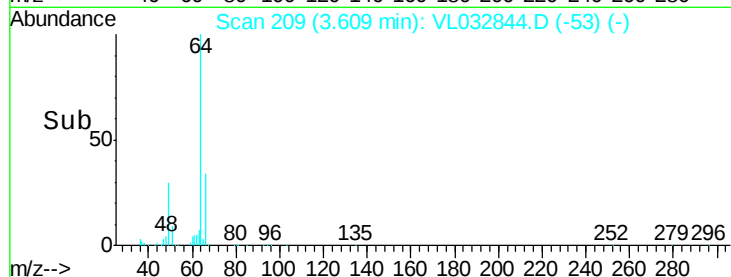
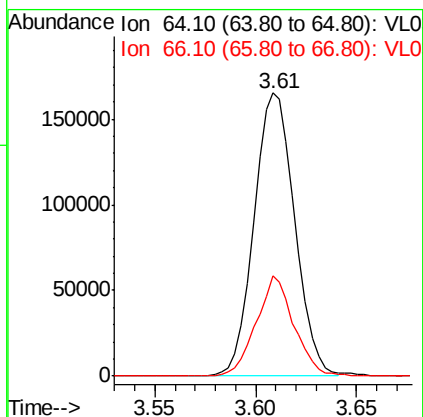
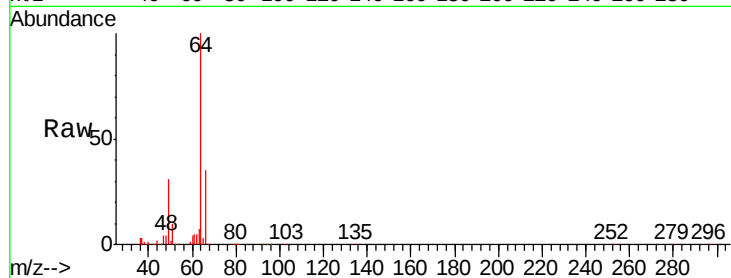
66 35.4 23.2 34.8#

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#8

Dichlorotetrafluoroethane

Concen: 9.456 ppbv

RT: 3.23 min Scan# 91

Delta R.T. 0.00 min

Lab File: VL032844.D

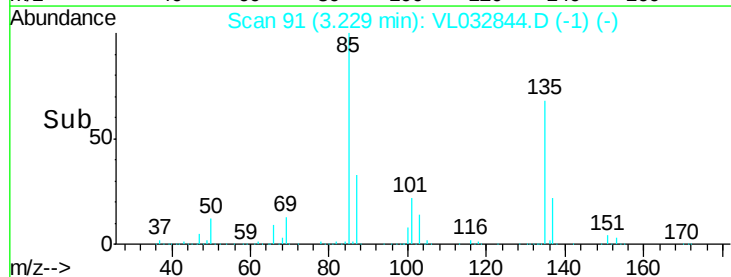
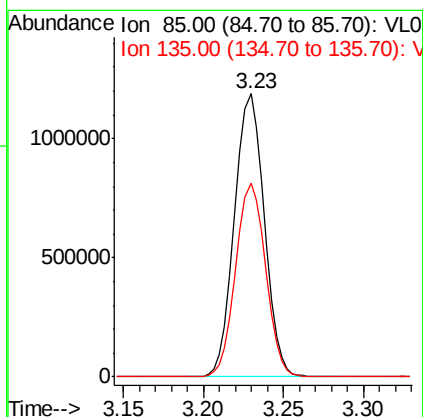
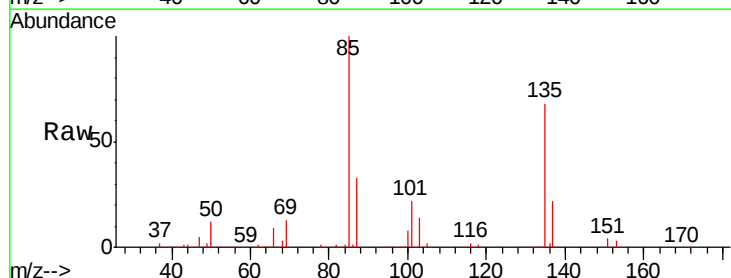
Acq: 29 Nov 2018 21:17

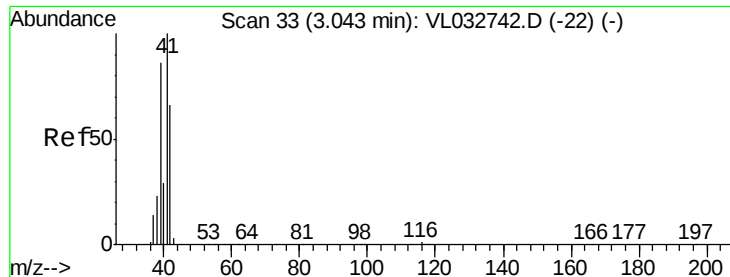
Tgt Ion: 85 Resp: 1502761

Ion Ratio Lower Upper

85 100

135 69.0 53.8 80.8





#9

Propene

Concen: 9.570 ppbv

RT: 3.05 min Scan# 34

Delta R.T. 0.00 min

Lab File: VL032844.D

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Instrument :

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ClientSampleId :

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Tgt Ion: 41 Resp: 425990

Ion Ratio Lower Upper

41 100

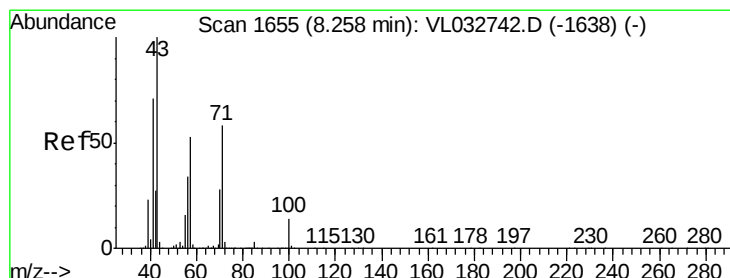
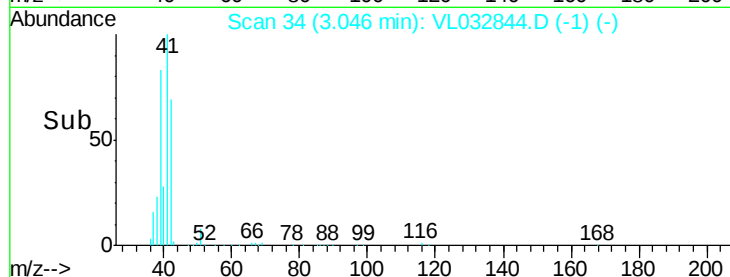
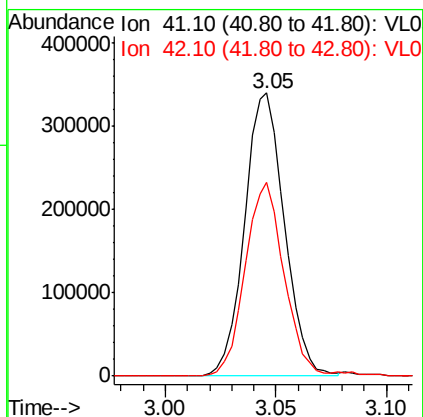
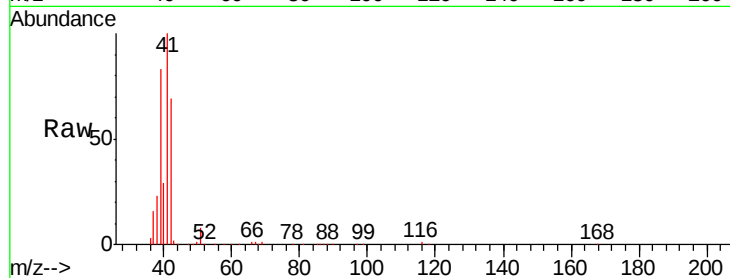
42 68.0 55.0 82.6

Manual Integrations

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#10

Heptane

Concen: 10.217 ppbv

RT: 8.26 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VL032844.D

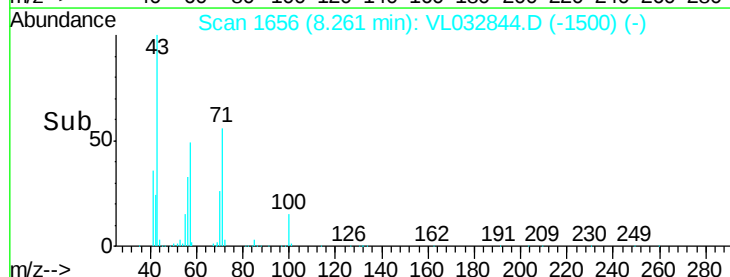
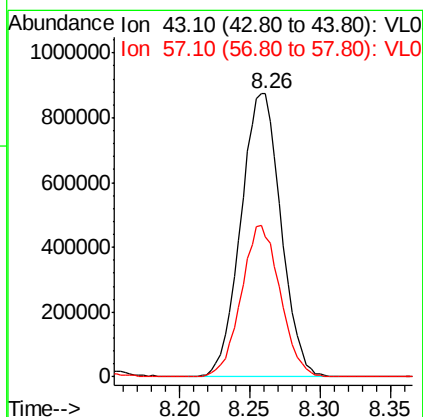
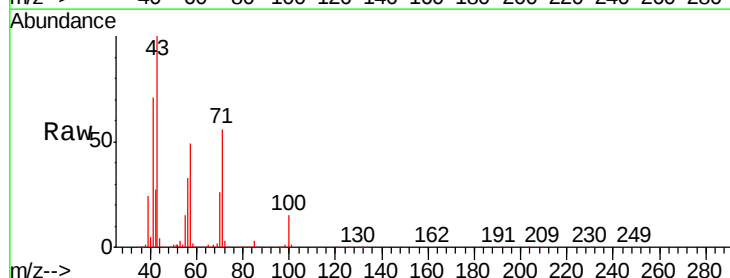
Acq: 29 Nov 2018 21:17

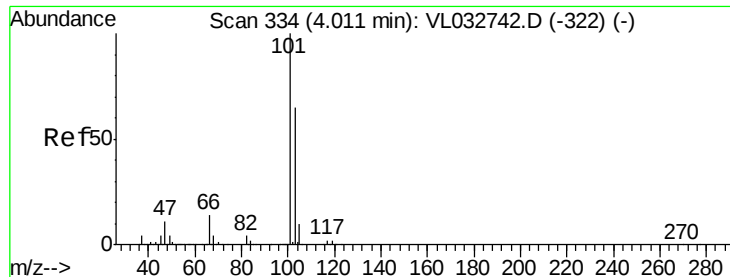
Tgt Ion: 43 Resp: 1736350

Ion Ratio Lower Upper

43 100

57 52.3 41.8 62.8





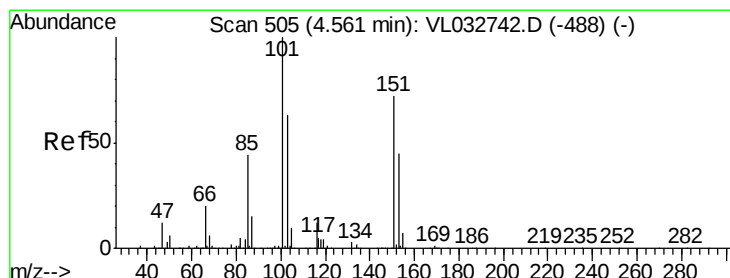
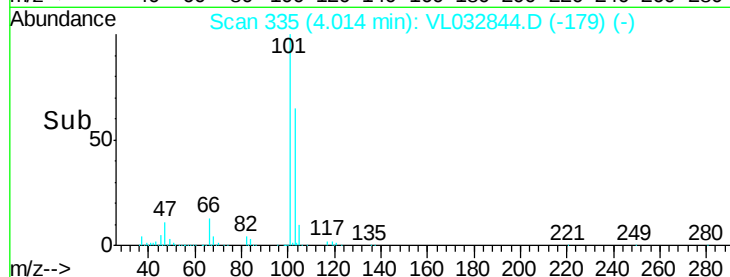
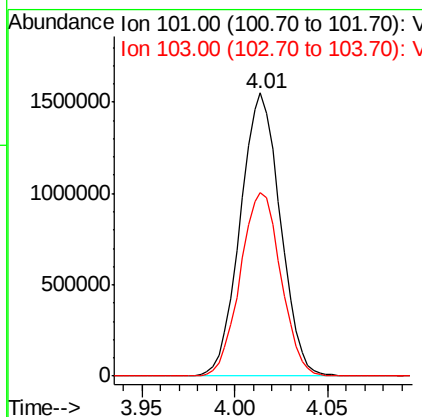
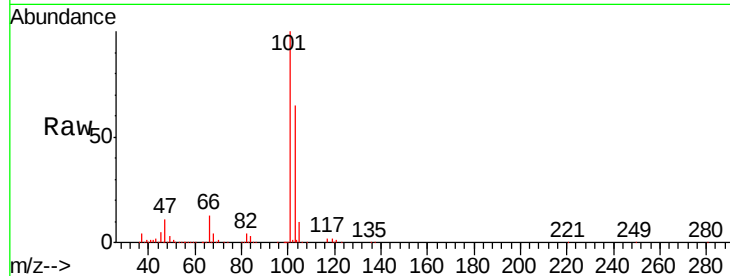
#11
 Trichlorofluoromethane
 Concen: 12.219 ppbv
 RT: 4.01 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VL032844.D
 Acq: 29 Nov 2018 21:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:101 Resp: 2322456
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.6 77.4

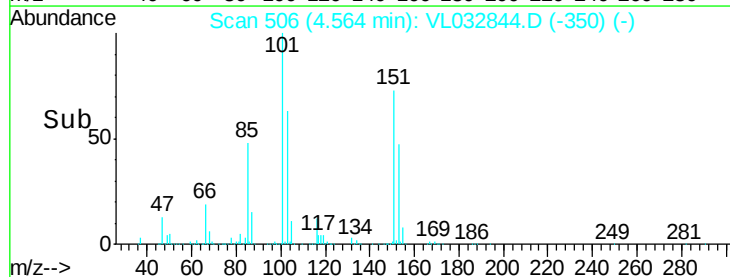
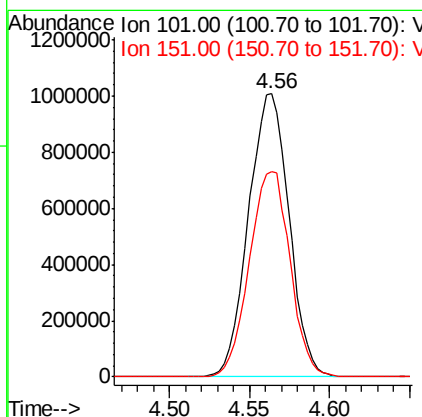
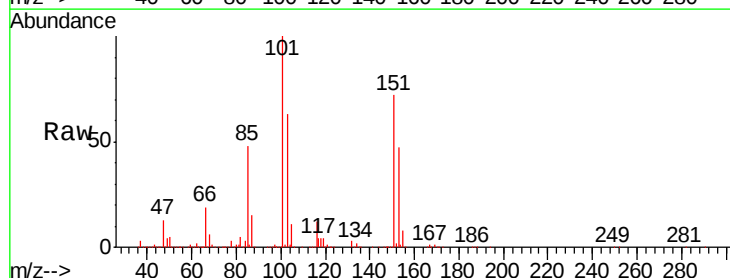
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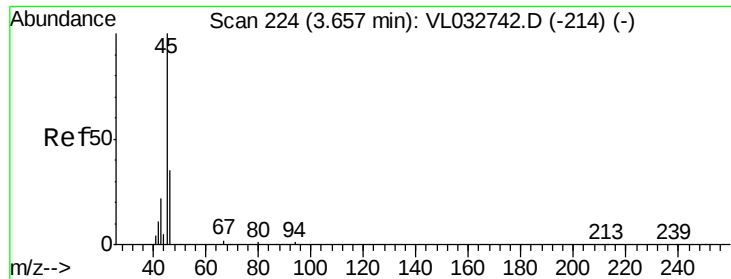
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.282 ppbv
 RT: 4.56 min Scan# 506
 Delta R.T. 0.00 min
 Lab File: VL032844.D
 Acq: 29 Nov 2018 21:17

Tgt Ion:101 Resp: 1751424
 Ion Ratio Lower Upper
 101 100
 151 73.2 56.7 85.1





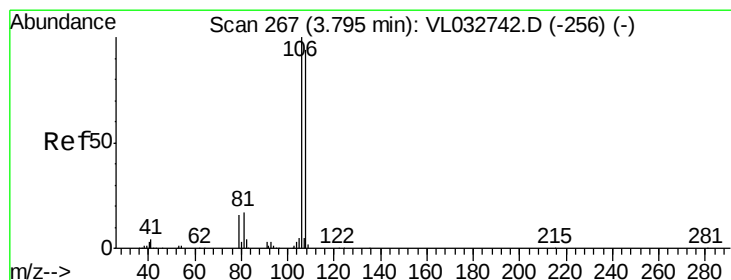
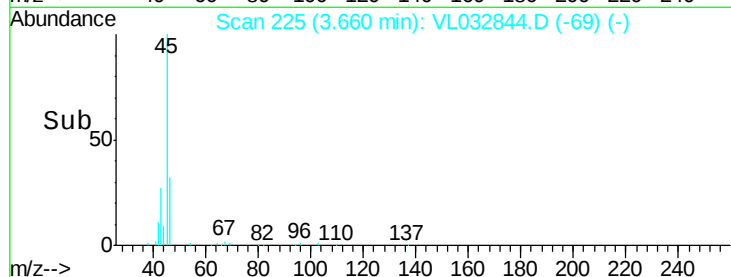
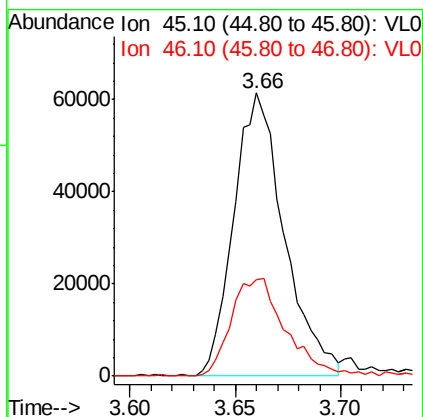
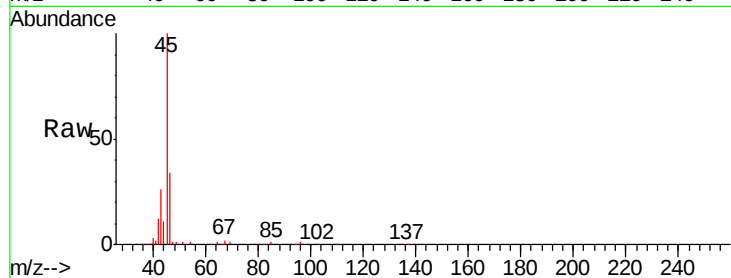
#13
Ethanol
Concen: 7.021 ppbv
RT: 3.66 min Scan# 225
Delta R.T. 0.00 min
Lab File: VL032844.D
Acq: 29 Nov 2018 21:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 102364
Ion Ratio Lower Upper
45 100
46 37.8 14.5 57.9

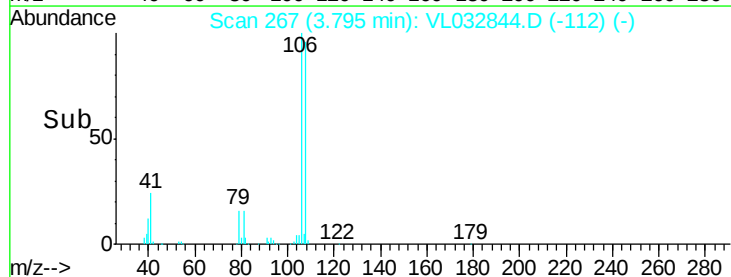
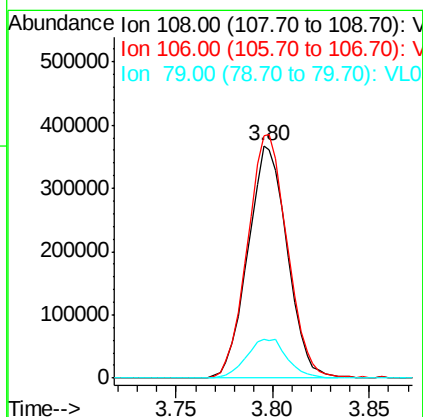
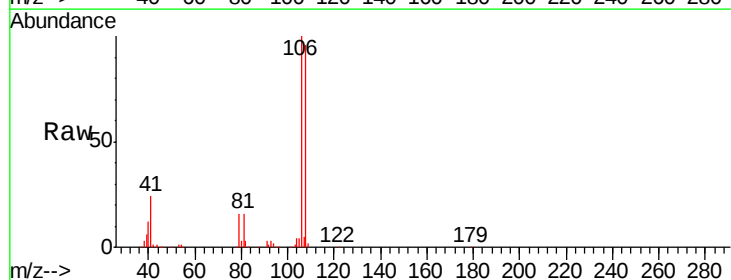
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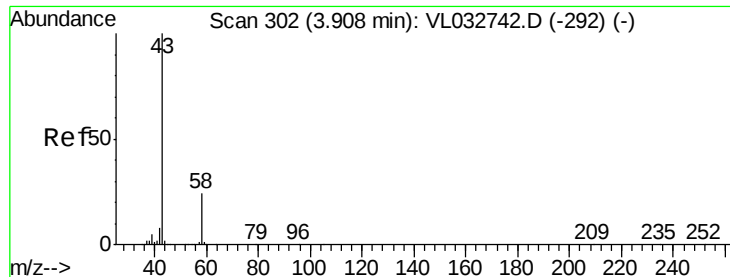
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#14
Bromoethene
Concen: 10.088 ppbv
RT: 3.80 min Scan# 267
Delta R.T. -0.00 min
Lab File: VL032844.D
Acq: 29 Nov 2018 21:17

Tgt Ion: 108 Resp: 519600
Ion Ratio Lower Upper
108 100
106 106.8 84.9 127.3
79 17.7 14.2 21.4





#15

Acetone

Concen: 8.661 ppbv

RT: 3.91 min Scan# 303

Delta R.T. 0.00 min

Lab File: VL032844.D

Acq: 29 Nov 2018 21:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1109730

Ion Ratio Lower Upper

43 100

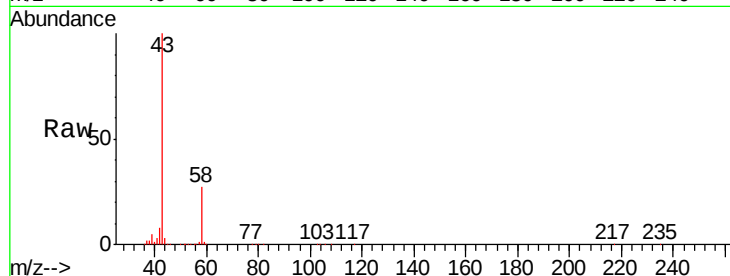
58 26.7 21.1 31.7

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

800000

600000

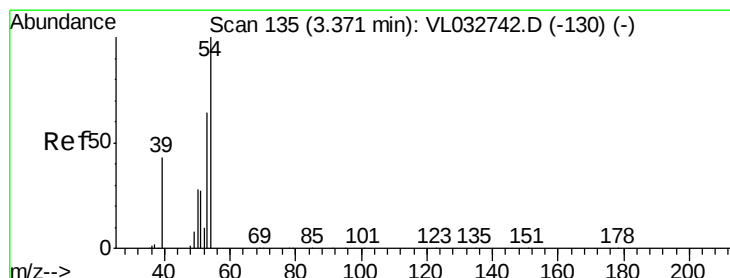
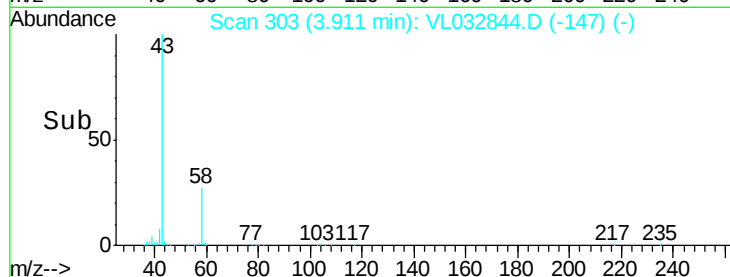
400000

200000

0

3.85 3.90 3.95

Time-->



#16

1,3-Butadiene

Concen: 10.205 ppbv

RT: 3.37 min Scan# 136

Delta R.T. 0.00 min

Lab File: VL032844.D

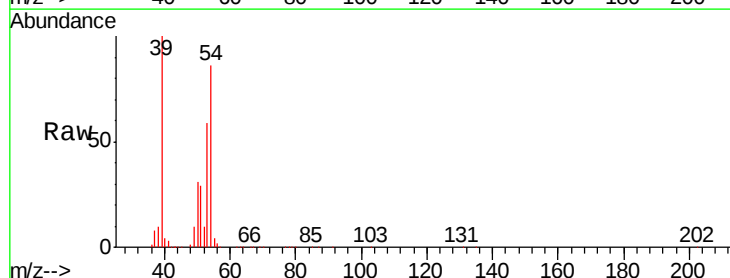
Acq: 29 Nov 2018 21:17

Tgt Ion: 39 Resp: 506367

Ion Ratio Lower Upper

39 100

54 89.1 68.9 103.3



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

400000

300000

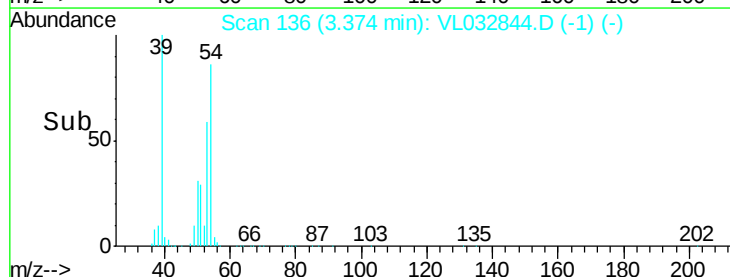
200000

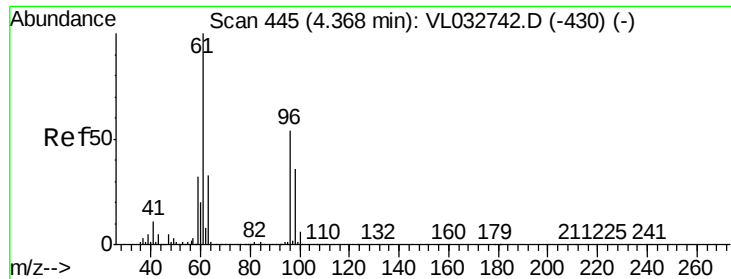
100000

0

3.34 3.36 3.38 3.40 3.42

Time-->





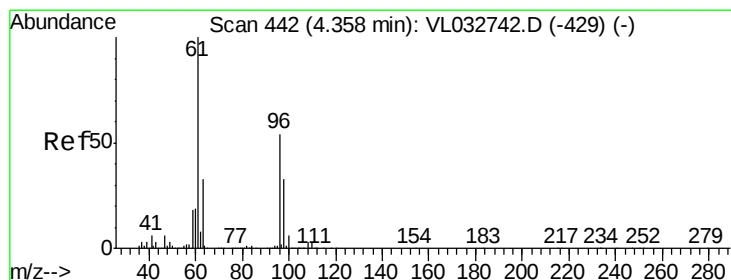
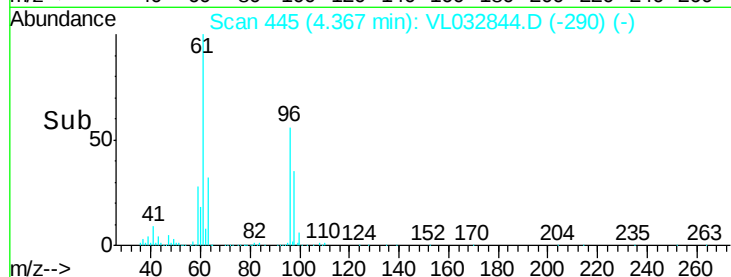
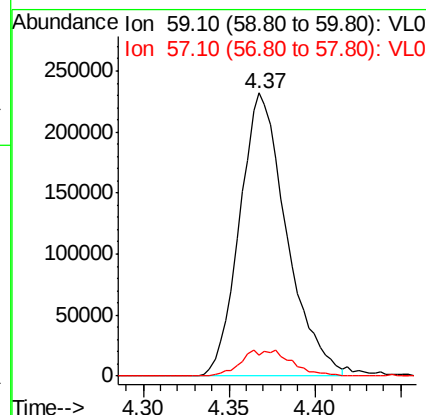
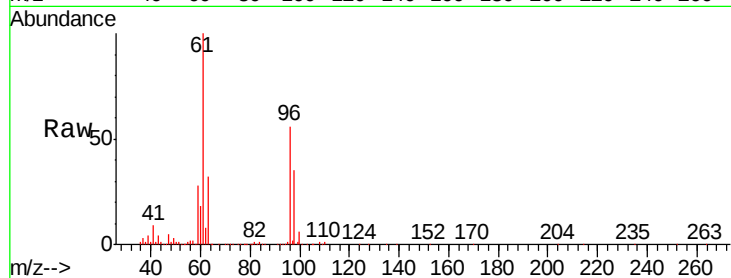
#17
 tert-Butyl alcohol
 Concen: 10.934 ppbv
 RT: 4.37 min Scan# 445
 Delta R.T. -0.00 min
 Lab File: VL032844.D
 Acq: 29 Nov 2018 21:17

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Tgt Ion: 59 Resp: 439389
 Ion Ratio Lower Upper
 59 100
 57 10.0 7.8 11.8

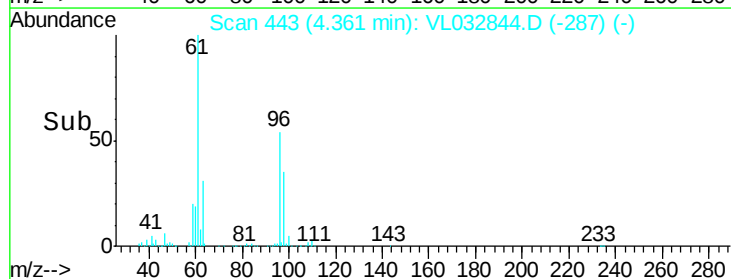
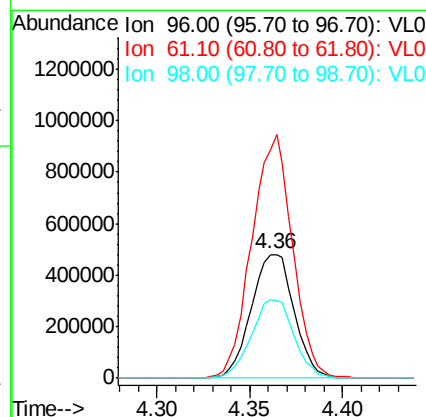
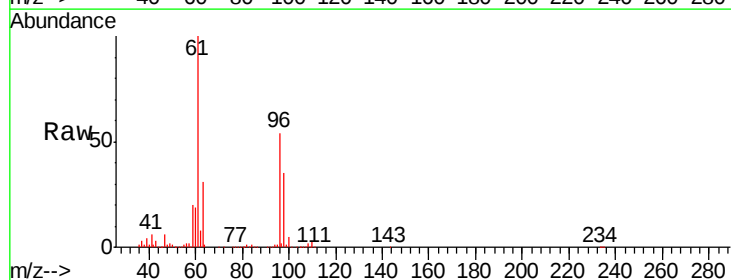
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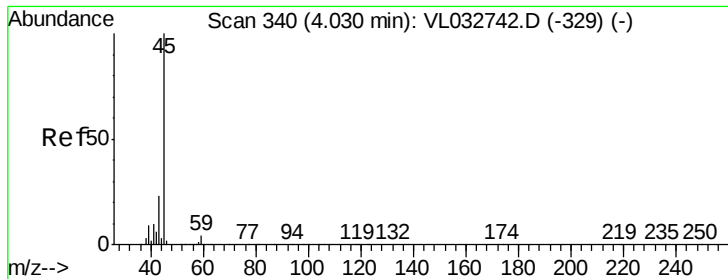
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#18
 1,1-Dichloroethene
 Concen: 10.031 ppbv
 RT: 4.36 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VL032844.D
 Acq: 29 Nov 2018 21:17

Tgt Ion: 96 Resp: 765813
 Ion Ratio Lower Upper
 96 100
 61 184.8 148.5 222.7
 98 63.7 48.6 72.8





#19

Isopropyl Alcohol

Concen: 11.936 ppbv

RT: 4.03 min Scan# 341

Delta R.T. 0.00 min

Lab File: VL032844.D

Acq: 29 Nov 2018 21:17

Tgt Ion: 45 Resp: 1018837

Ion Ratio Lower Upper

45 100

58 1.9 1.4 2.0

Instrument :

MSVOA_L

ClientSampleId :

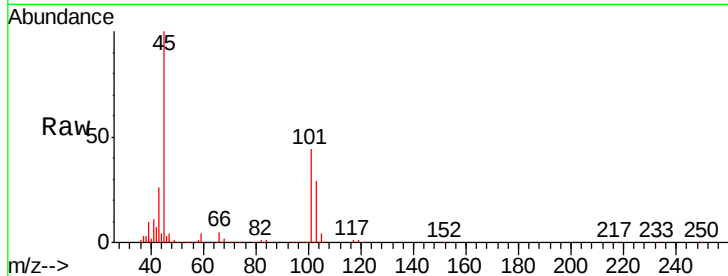
VSTDCCC010EC

Manual Integrations

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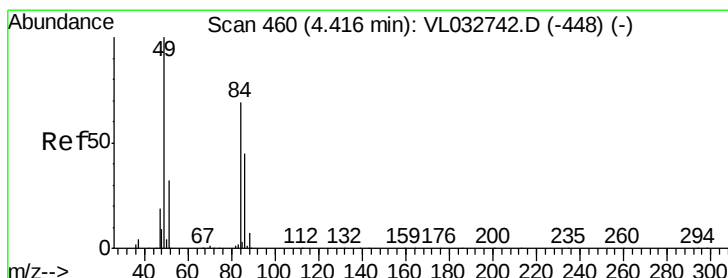
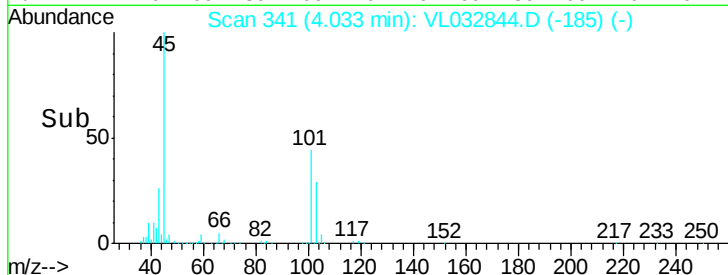
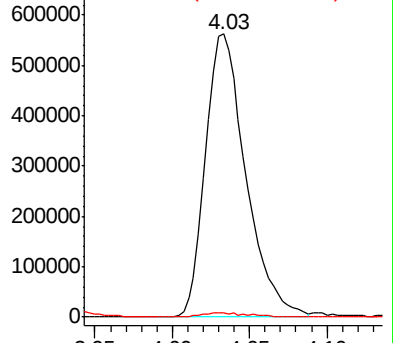
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 10.189 ppbv

RT: 4.42 min Scan# 461

Delta R.T. 0.00 min

Lab File: VL032844.D

Acq: 29 Nov 2018 21:17

Tgt Ion: 84 Resp: 675874

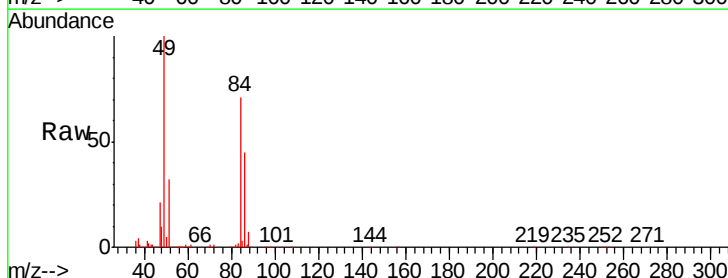
Ion Ratio Lower Upper

84 100

49 141.2 115.8 173.6

51 44.7 36.9 55.3

86 63.6 52.4 78.6

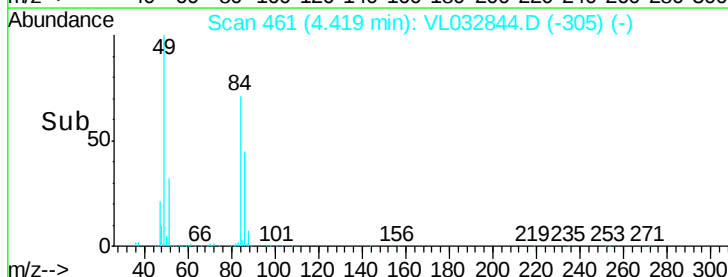
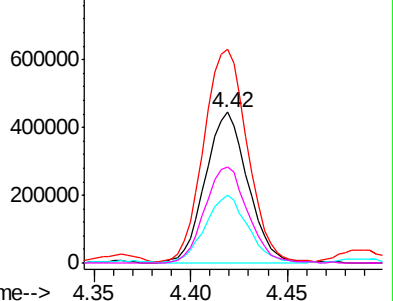


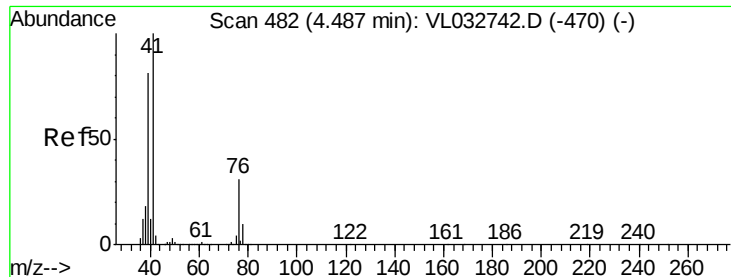
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





#21

Allyl Chloride

Concen: 10.802 ppbv

RT: 4.48 min Scan# 481

Delta R.T. -0.00 min

Lab File: VL032844.D

Acq: 29 Nov 2018 21:17

Instrument :

MSVOA_L

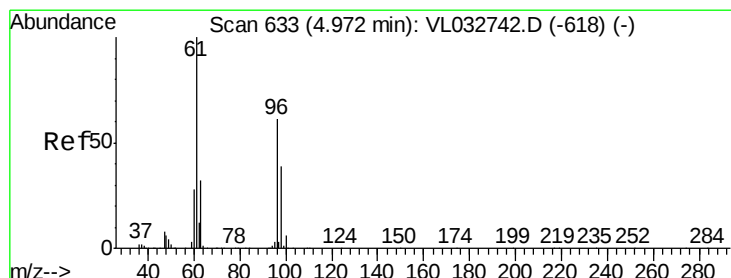
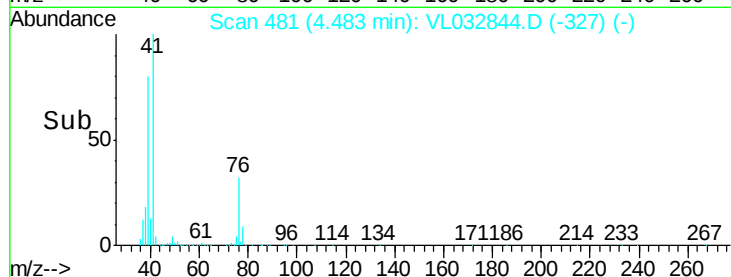
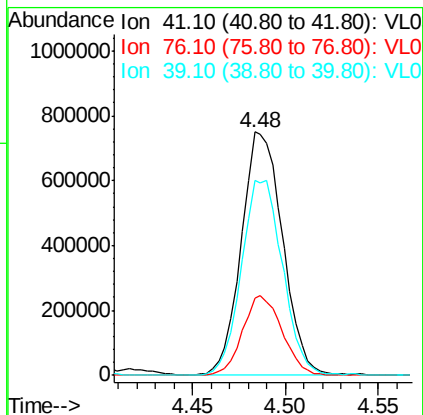
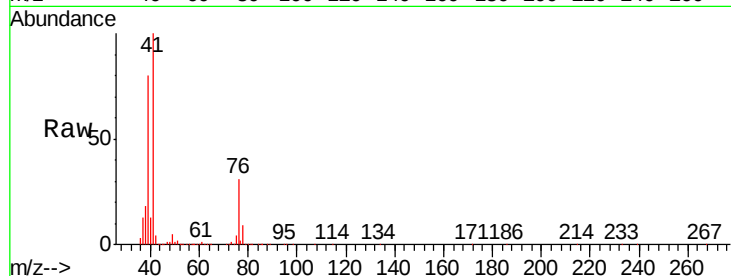
ClientSampleId :

VSTDCCC010EC

Tgt Ion:	41	Resp:	1163112
Ion	Ratio	Lower	Upper
41	100		
76	31.5	24.4	36.6
39	80.6	63.5	95.3

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#22

trans-1,2-Dichloroethene

Concen: 10.798 ppbv

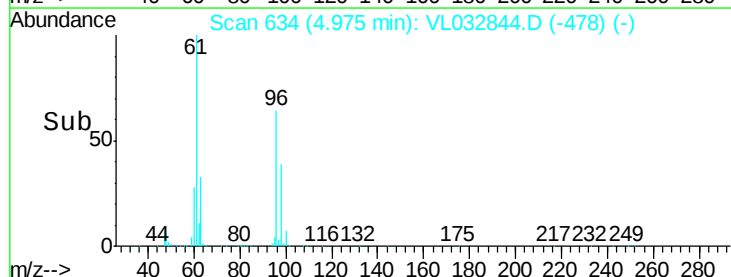
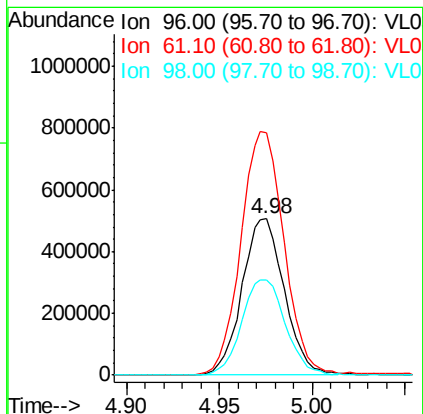
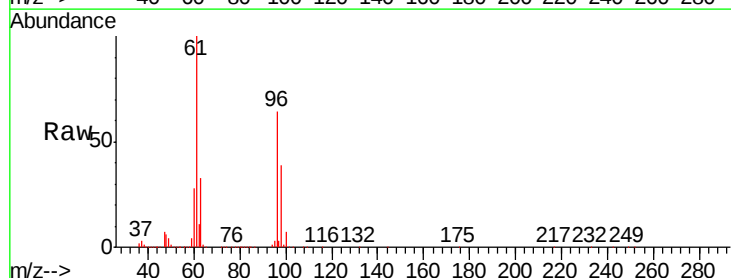
RT: 4.98 min Scan# 634

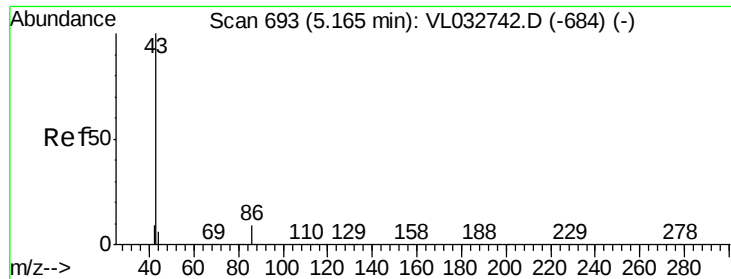
Delta R.T. 0.00 min

Lab File: VL032844.D

Acq: 29 Nov 2018 21:17

Tgt Ion:	96	Resp:	804916
Ion	Ratio	Lower	Upper
96	100		
61	155.3	130.2	195.2
98	61.1	50.2	75.2





#23

Vinyl Acetate

Concen: 9.862 ppbv

RT: 5.16 min Scan# 693

Delta R.T. -0.00 min

Lab File: VL032844.D

Acq: 29 Nov 2018 21:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 2303502

Ion Ratio Lower Upper

43 100

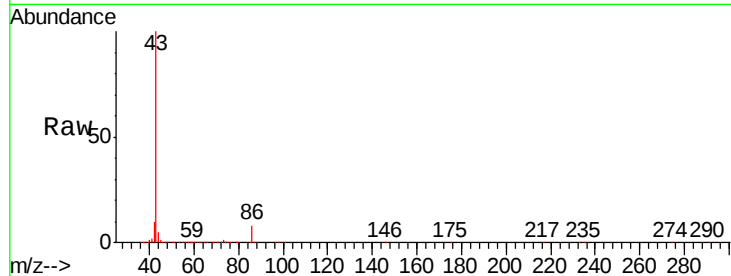
86 8.3 6.2 9.4

42 10.1 7.8 11.6

44 5.0 4.4 6.6

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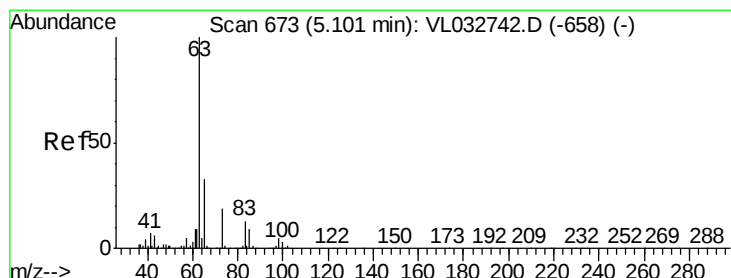
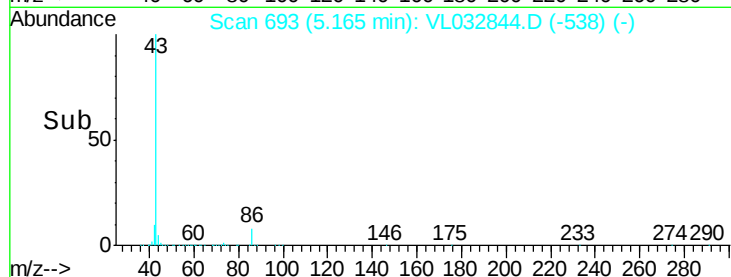
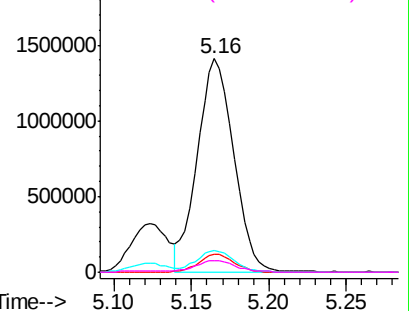


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.864 ppbv

RT: 5.10 min Scan# 673

Delta R.T. -0.00 min

Lab File: VL032844.D

Acq: 29 Nov 2018 21:17

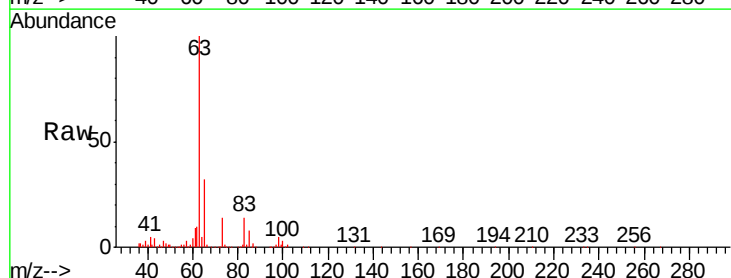
Tgt Ion: 63 Resp: 1831704

Ion Ratio Lower Upper

63 100

98 4.5 2.3 6.8

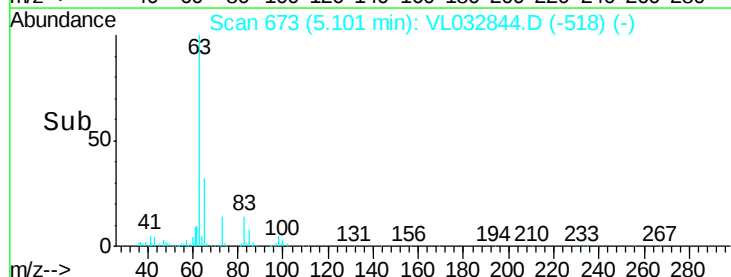
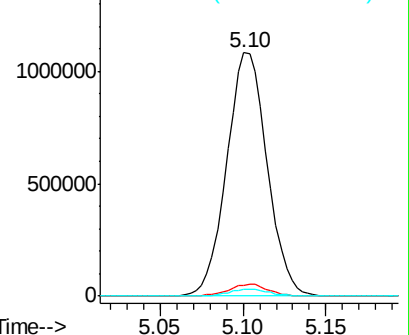
100 3.0 1.4 4.2

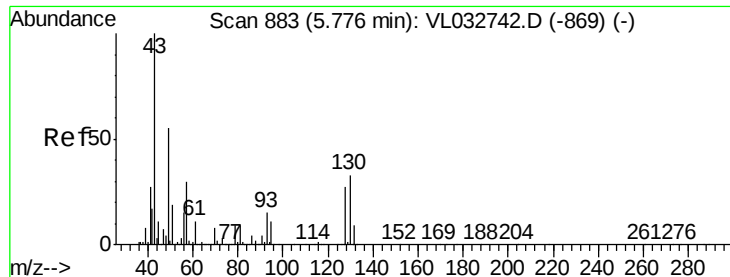


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





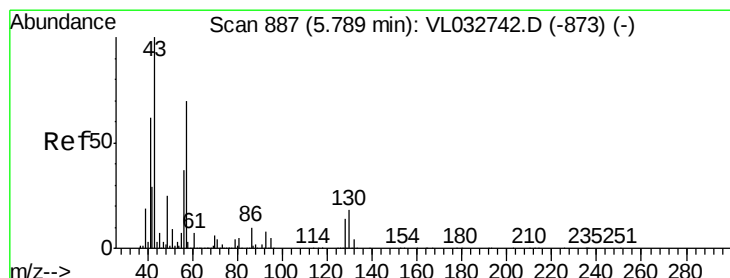
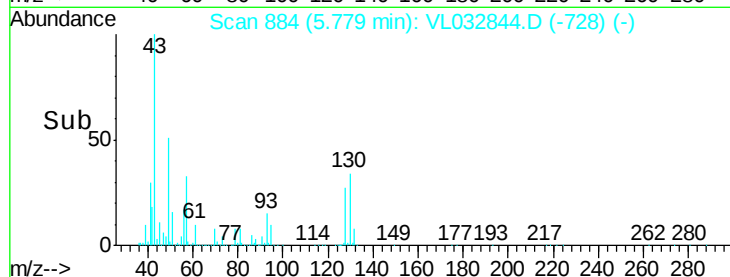
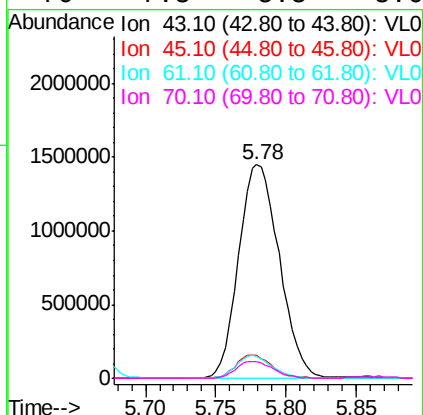
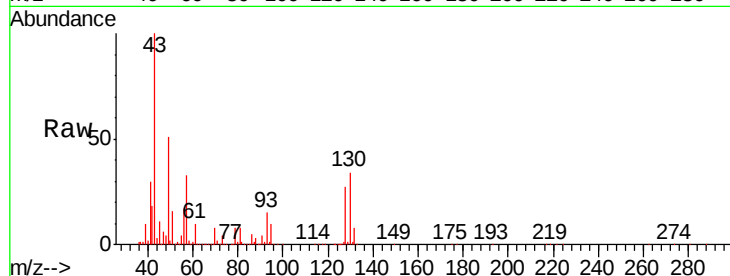
#25
Ethyl Acetate
Concen: 9.812 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL032844.D
Acq: 29 Nov 2018 21:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.9	11.9
61	9.5	7.8	11.6
70	7.3	5.8	8.6

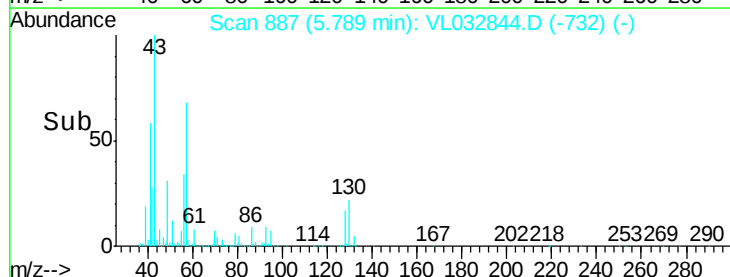
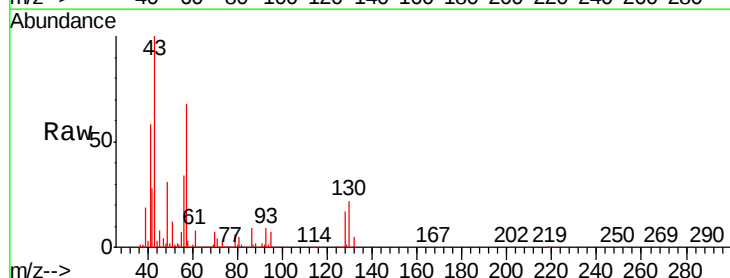
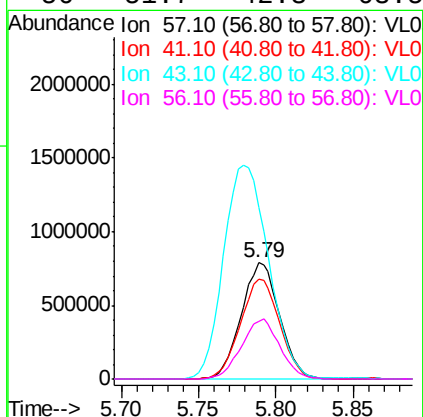
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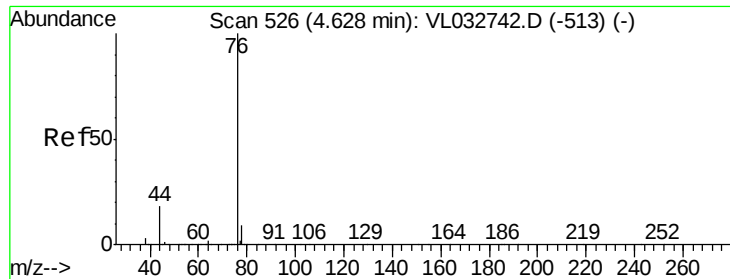
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#26
Hexane
Concen: 10.220 ppbv
RT: 5.79 min Scan# 887
Delta R.T. -0.00 min
Lab File: VL032844.D
Acq: 29 Nov 2018 21:17

Tgt Ion	Ratio	Lower	Upper
57	100		
41	88.4	70.3	105.5
43	216.6	174.0	261.0
56	51.7	42.3	63.5





#27

Carbon Disulfide

Concen: 10.878 ppbv

RT: 4.63 min Scan# 527

Delta R.T. 0.00 min

Lab File: VL032844.D

Acq: 29 Nov 2018 21:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 76 Resp: 1833603

Ion Ratio Lower Upper

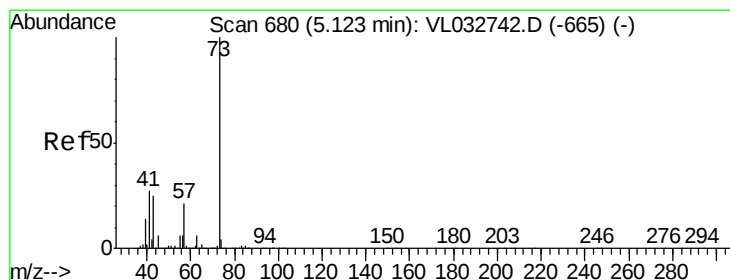
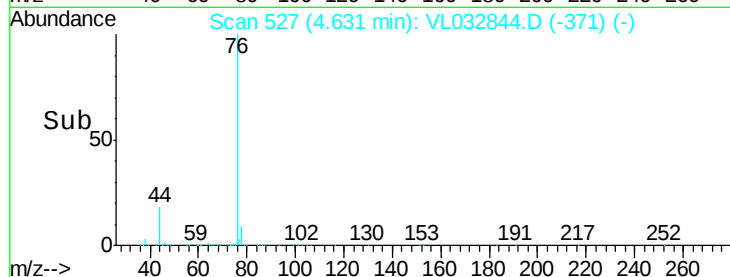
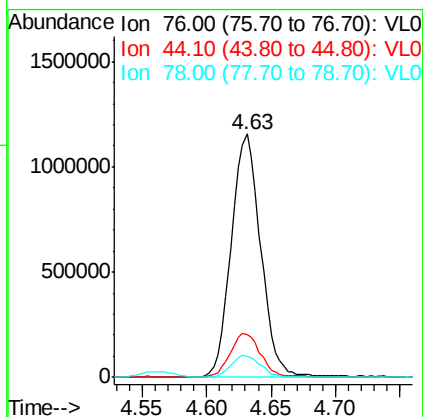
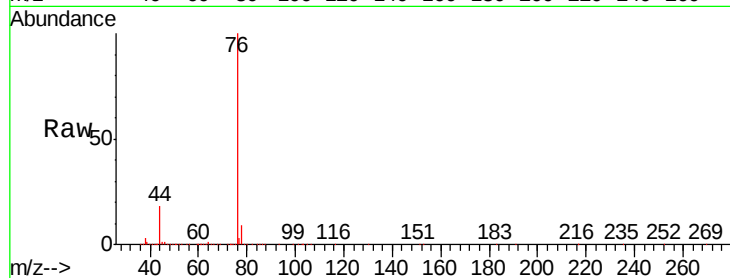
76 100

44 18.3 14.4 21.6

78 8.8 7.7 11.5

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#28

Methyl tert-Butyl Ether

Concen: 10.576 ppbv

RT: 5.12 min Scan# 680

Delta R.T. -0.00 min

Lab File: VL032844.D

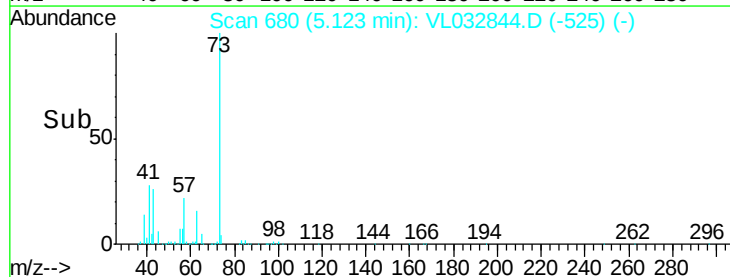
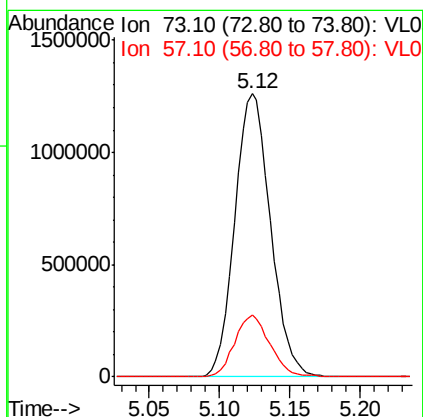
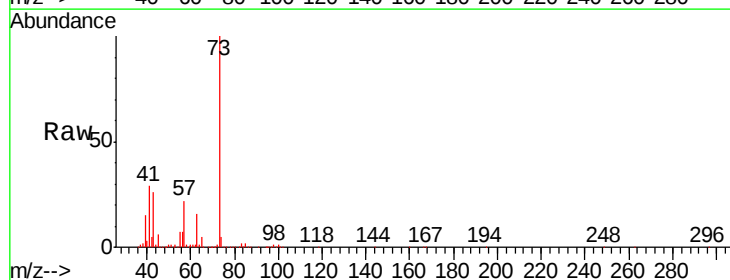
Acq: 29 Nov 2018 21:17

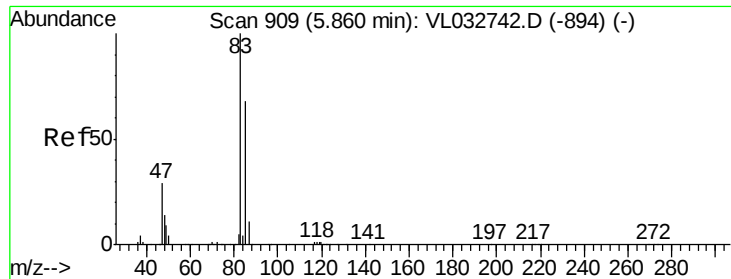
Tgt Ion: 73 Resp: 2242016

Ion Ratio Lower Upper

73 100

57 21.7 17.5 26.3





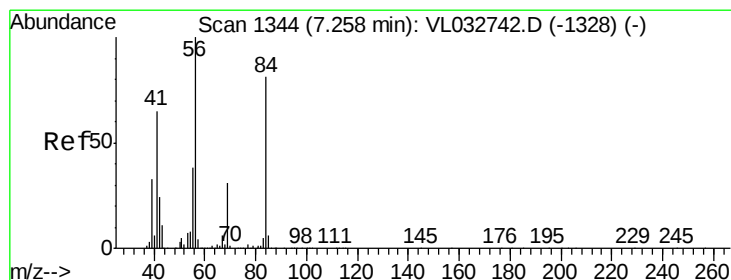
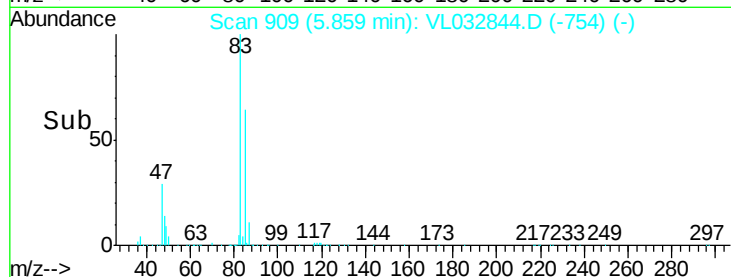
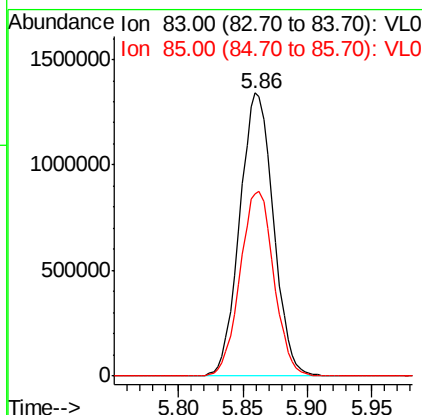
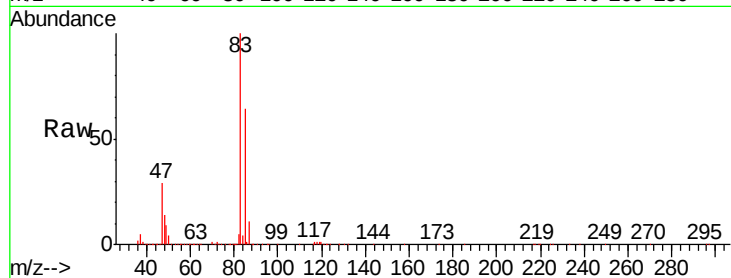
#29
Chloroform
Concen: 10.282 ppbv
RT: 5.86 min Scan# 909
Delta R.T. -0.00 min
Lab File: VL032844.D
Acq: 29 Nov 2018 21:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 2436160
Ion Ratio Lower Upper
83 100
85 64.3 54.2 81.4

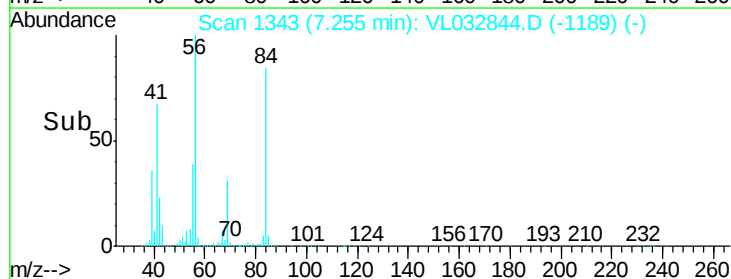
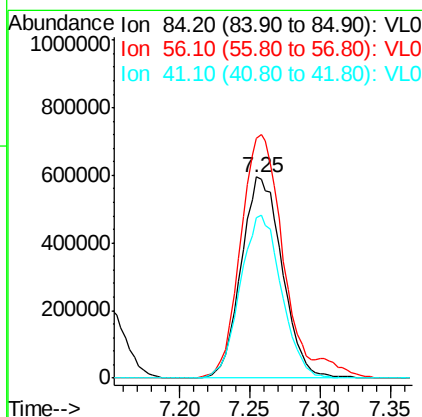
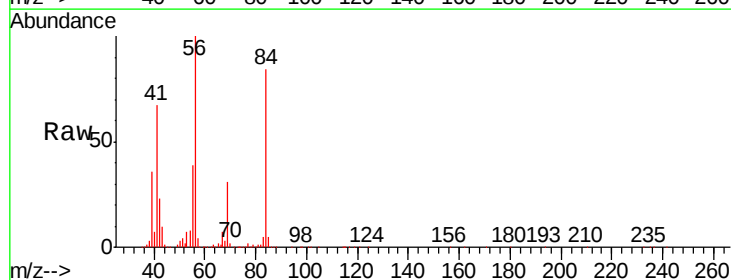
Manual Integrations
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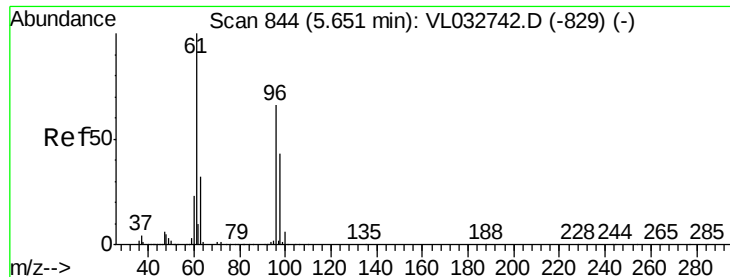
apatel
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#30
Cyclohexane
Concen: 10.418 ppbv
RT: 7.25 min Scan# 1343
Delta R.T. -0.00 min
Lab File: VL032844.D
Acq: 29 Nov 2018 21:17

Tgt Ion: 84 Resp: 1211291
Ion Ratio Lower Upper
84 100
56 127.8 105.0 157.4
41 81.2 65.3 97.9





#31

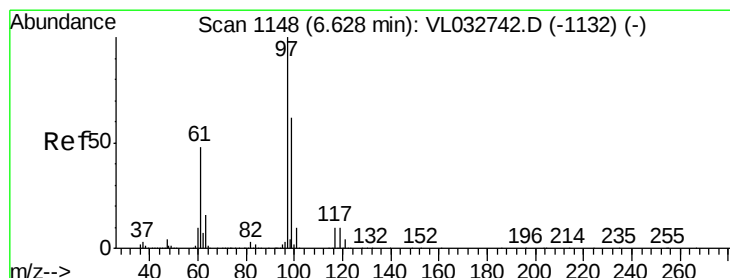
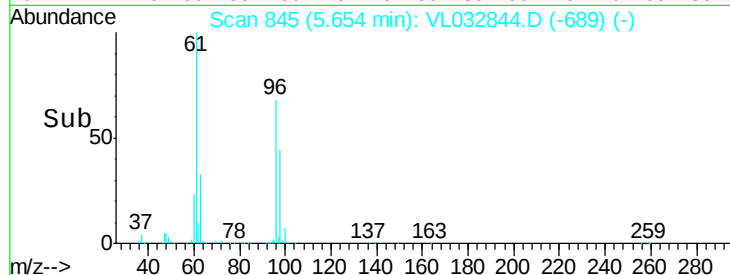
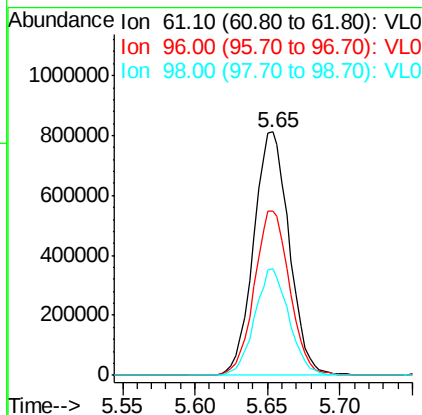
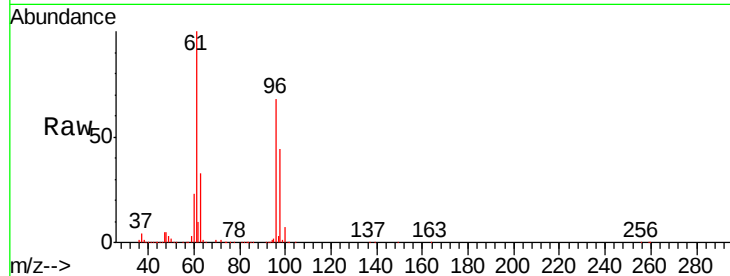
cis-1,2-Dichloroethene
 Concen: 10.374 ppbv
 RT: 5.65 min Scan# 845
 Delta R.T. 0.00 min
 Lab File: VL032844.D
 Acq: 29 Nov 2018 21:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
61	100		
96	67.5	53.2	79.8
98	43.6	34.4	51.6

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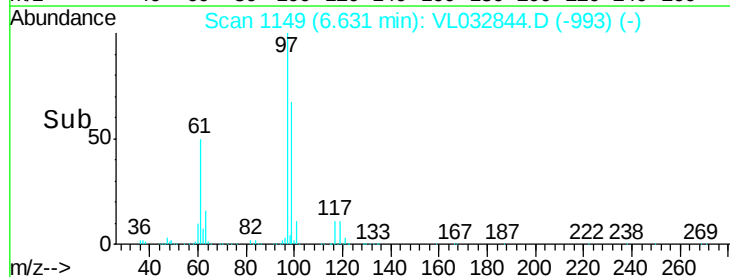
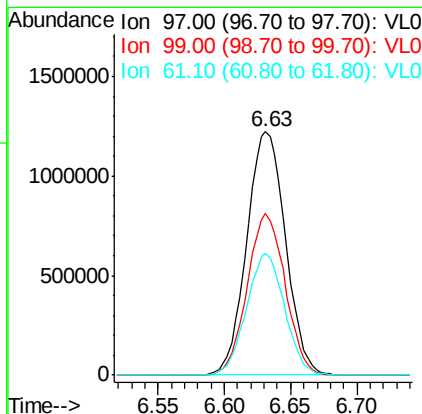
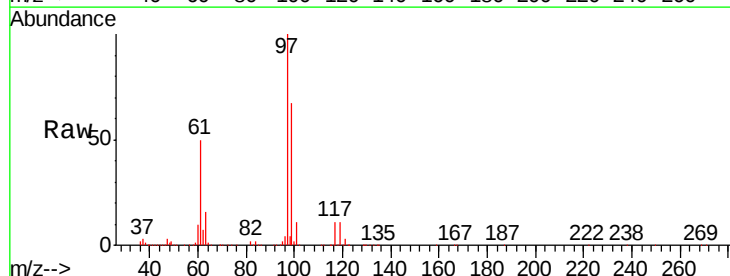
apatel
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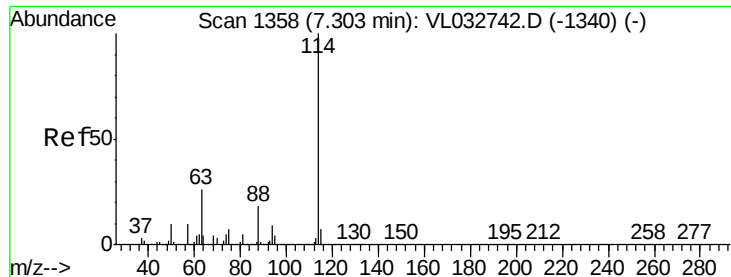


#32

1,1,1-Trichloroethane
 Concen: 9.548 ppbv
 RT: 6.63 min Scan# 1149
 Delta R.T. 0.00 min
 Lab File: VL032844.D
 Acq: 29 Nov 2018 21:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.8	77.6
61	49.3	39.7	59.5





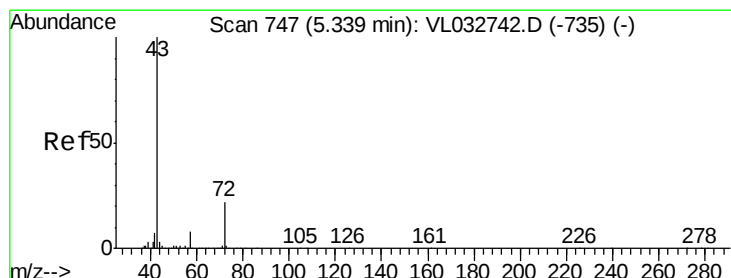
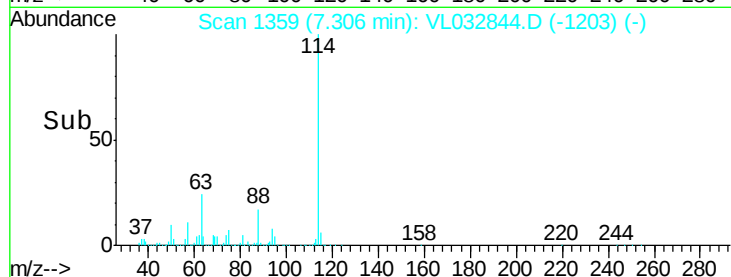
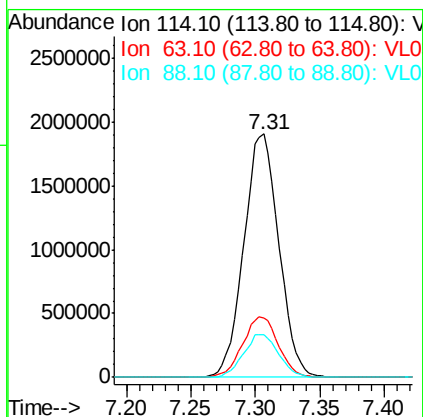
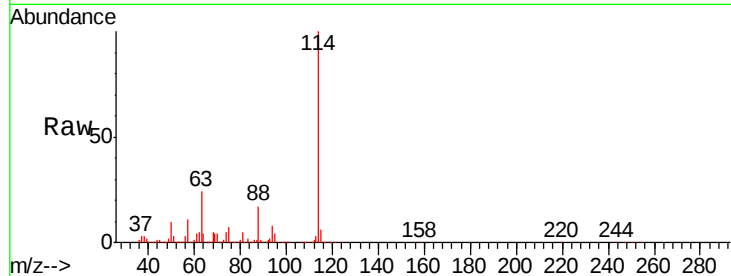
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.31 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VL032844.D
 Acq: 29 Nov 2018 21:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.6	20.9	31.3
88	17.8	14.4	21.6

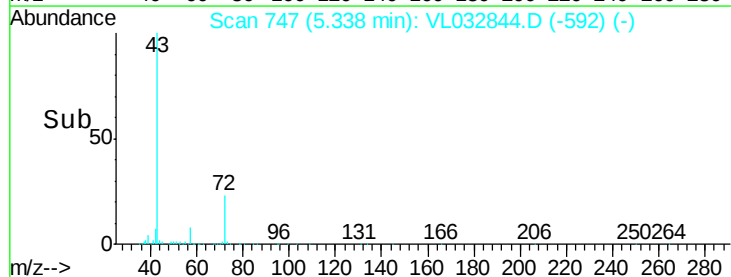
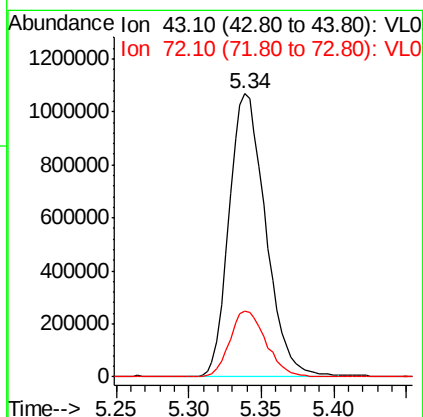
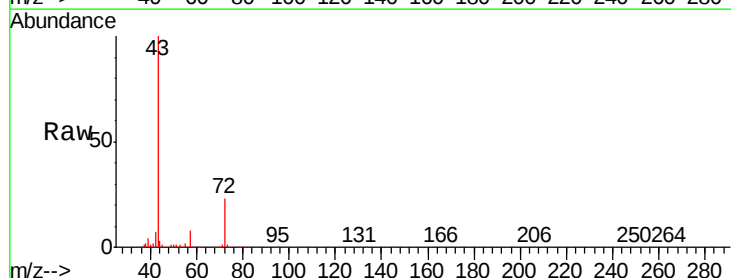
Manual Integrations
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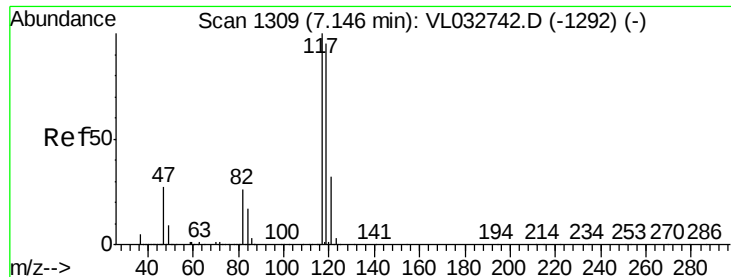
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#34
 2-Butanone
 Concen: 9.957 ppbv
 RT: 5.34 min Scan# 747
 Delta R.T. -0.00 min
 Lab File: VL032844.D
 Acq: 29 Nov 2018 21:17

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.4	27.6





#35

Carbon Tetrachloride

Concen: 9.352 ppbv

RT: 7.15 min Scan# 1309

Delta R.T. -0.00 min

Lab File: VL032844.D

Acq: 29 Nov 2018 21:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 117 Resp: 2713747

Ion Ratio Lower Upper

117 100

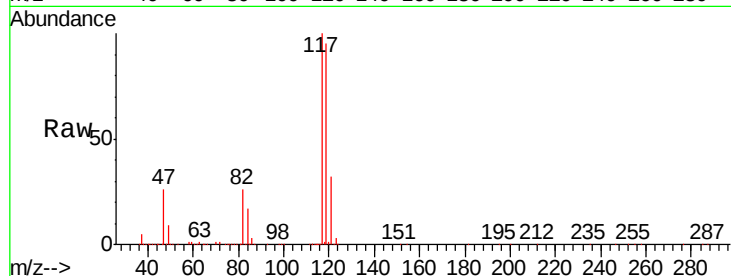
119 95.0 76.1 114.1

121 32.1 25.4 38.0

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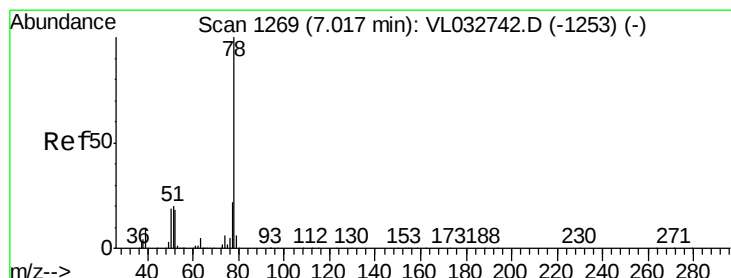
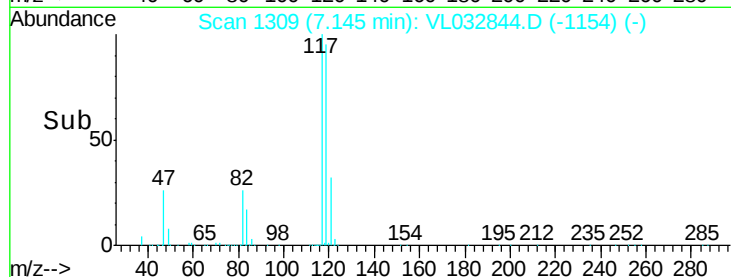
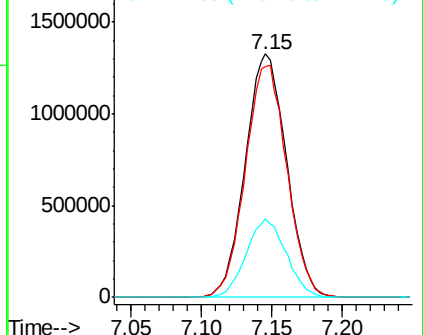
12/4/2018 8:39:07 AM



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: 9.977 ppbv

RT: 7.02 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VL032844.D

Acq: 29 Nov 2018 21:17

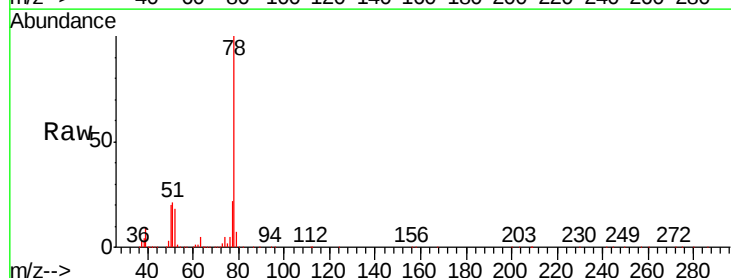
Tgt Ion: 78 Resp: 2867759

Ion Ratio Lower Upper

78 100

77 22.2 17.8 26.8

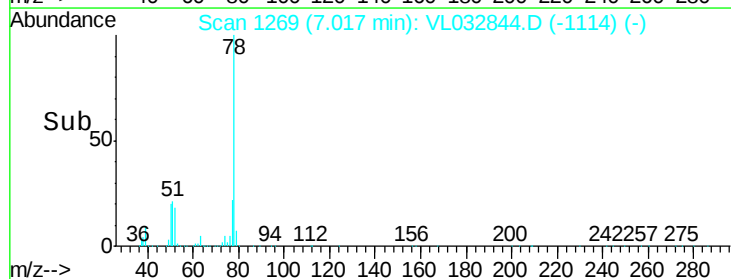
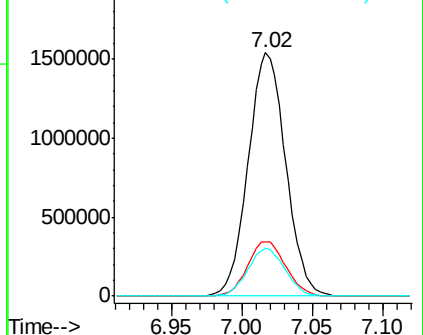
50 19.8 15.4 23.0

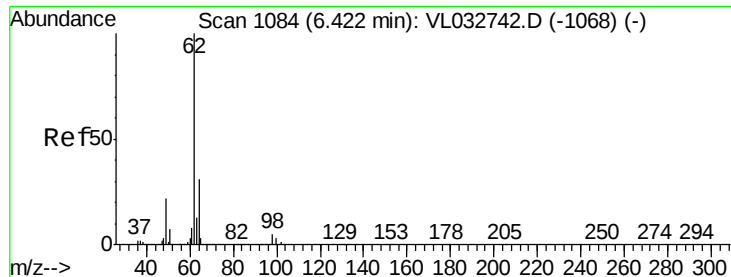


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





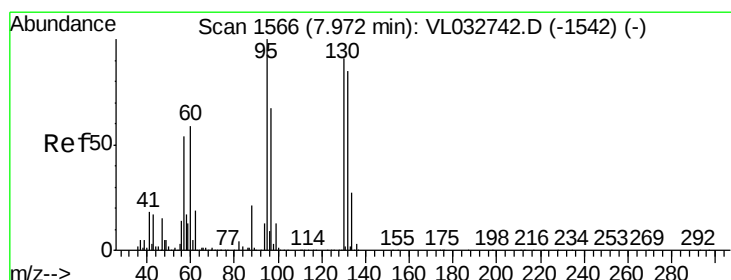
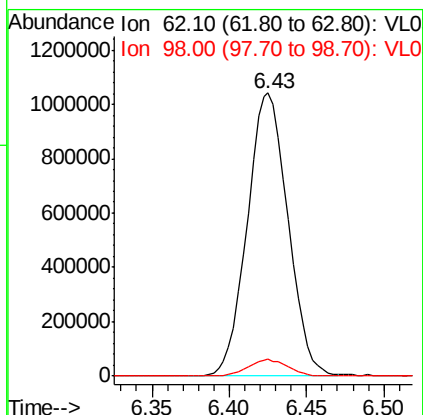
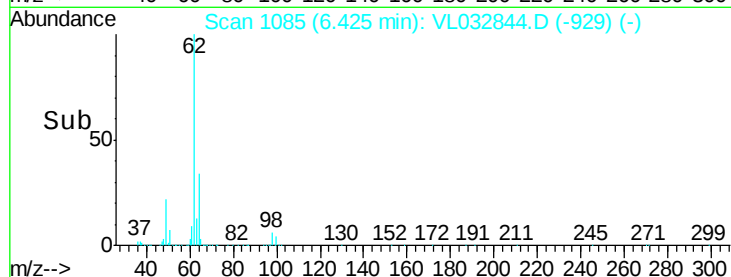
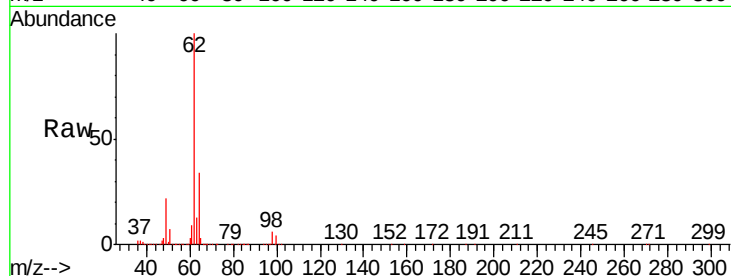
#37
 1,2-Dichloroethane
 Concen: 9.854 ppbv
 RT: 6.43 min Scan# 1085
 Delta R.T. 0.00 min
 Lab File: VL032844.D
 Acq: 29 Nov 2018 21:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 62 Resp: 1906720
 Ion Ratio Lower Upper
 62 100
 98 5.8 4.5 6.7

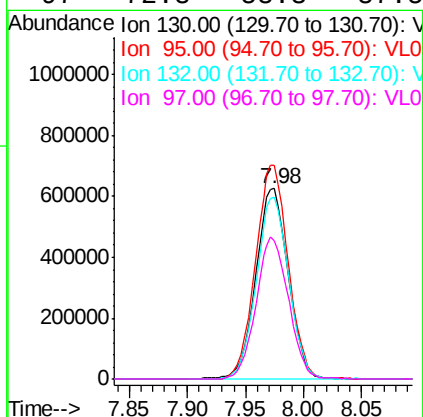
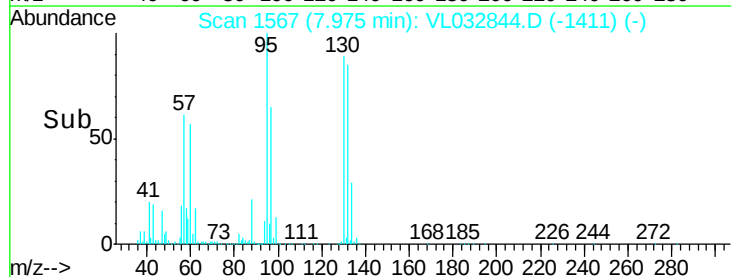
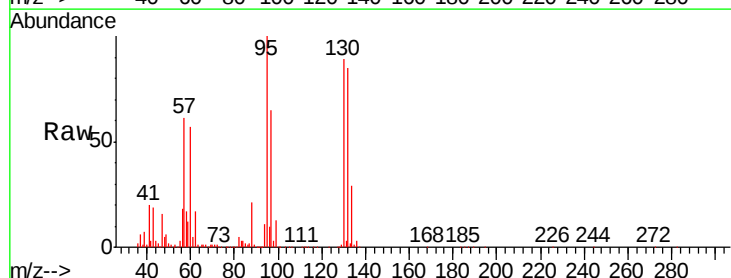
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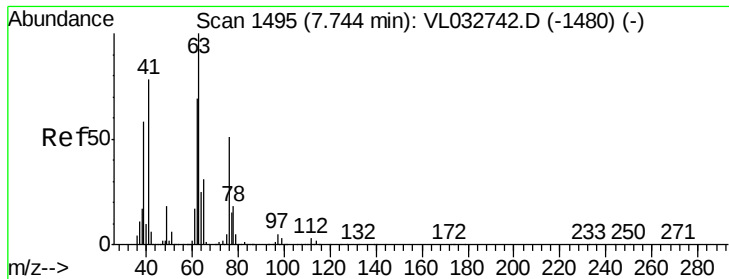
apatel
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#38
 Trichloroethene
 Concen: 10.477 ppbv
 RT: 7.98 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VL032844.D
 Acq: 29 Nov 2018 21:17

Tgt Ion: 130 Resp: 1218689
 Ion Ratio Lower Upper
 130 100
 95 112.3 87.7 131.5
 132 95.7 74.6 111.8
 97 72.8 58.3 87.5





#39

1,2-Dichloropropane

Concen: 9.625 ppbv

RT: 7.75 min Scan# 1497

Delta R.T. 0.01 min

Lab File: VL032844.D

Acq: 29 Nov 2018 21:17

Instrument :

MSVOA_L

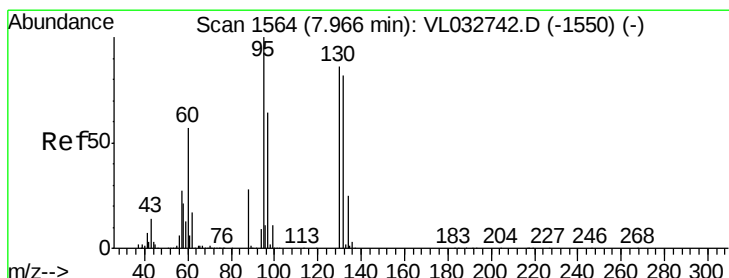
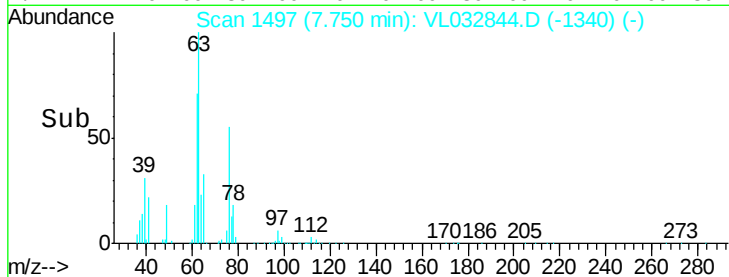
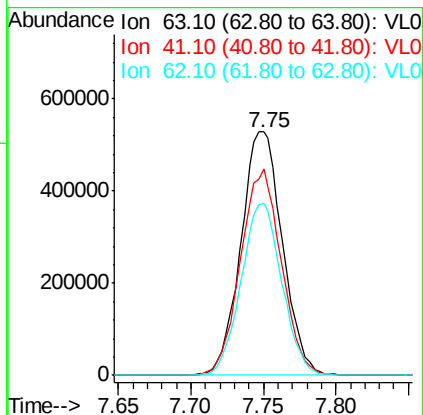
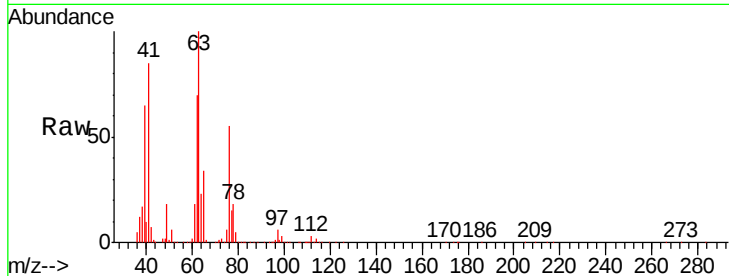
ClientSampleId :

VSTDCCC010EC

Tgt Ion:	63	Resp:	1054104
Ion	Ratio	Lower	Upper
63	100		
41	84.6	62.0	93.0
62	70.3	55.4	83.2

Manual Integrations
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#40

1,4-Dioxane

Concen: 9.849 ppbv

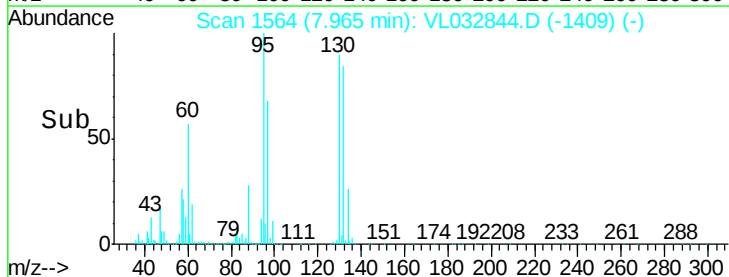
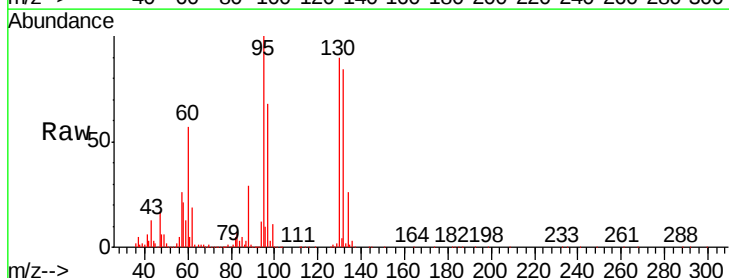
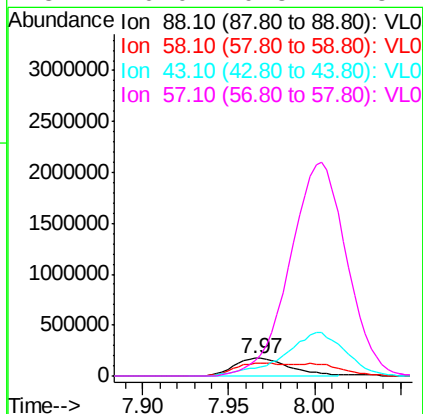
RT: 7.97 min Scan# 1564

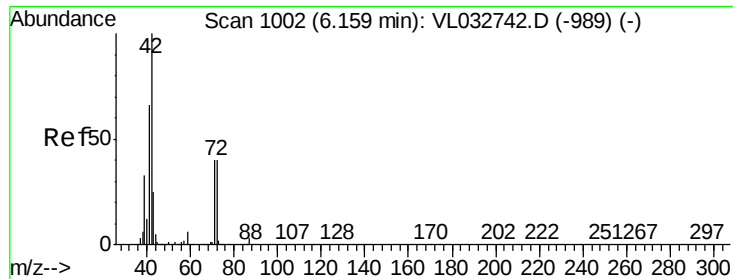
Delta R.T. -0.00 min

Lab File: VL032844.D

Acq: 29 Nov 2018 21:17

Tgt Ion:	88	Resp:	385258
Ion	Ratio	Lower	Upper
88	100		
58	129.9	105.3	157.9
43	0.0	226.1	339.1#
57	0.0	1015.2	1522.8#





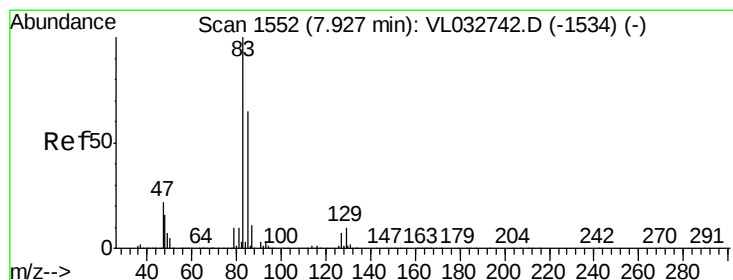
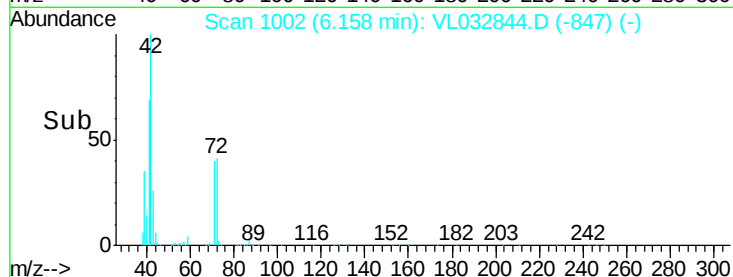
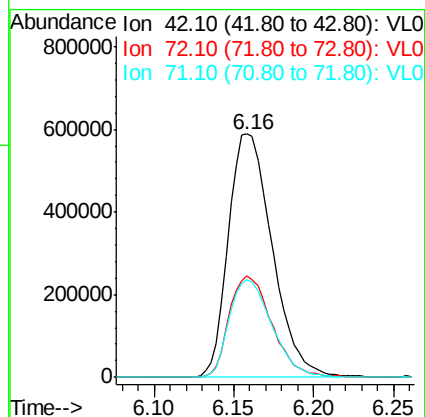
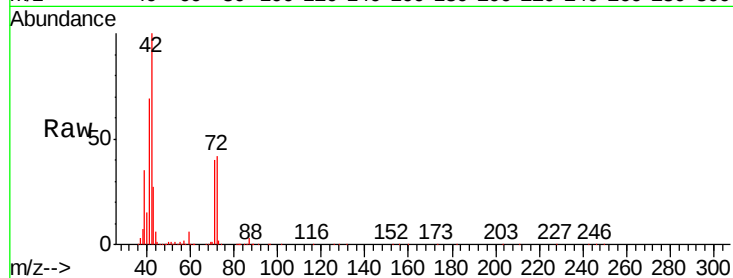
#41
Tetrahydrofuran
Concen: 10.245 ppbv
RT: 6.16 min Scan# 1002
Delta R.T. -0.00 min
Lab File: VL032844.D
Acq: 29 Nov 2018 21:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	40.7	32.4	48.6
71	39.5	31.6	47.4

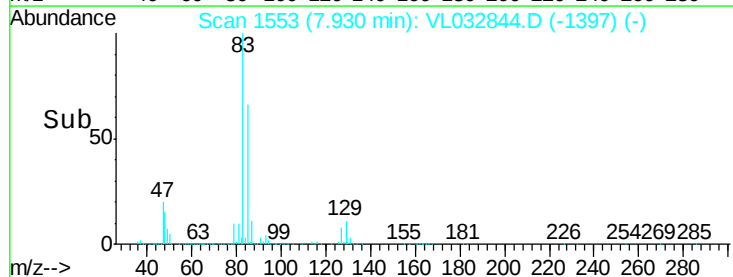
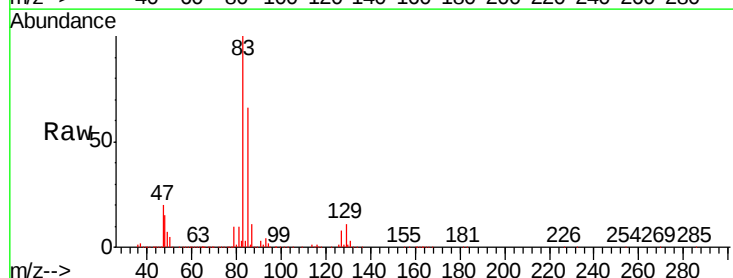
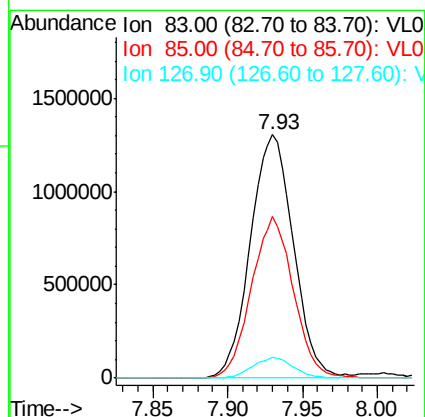
Manual Integrations
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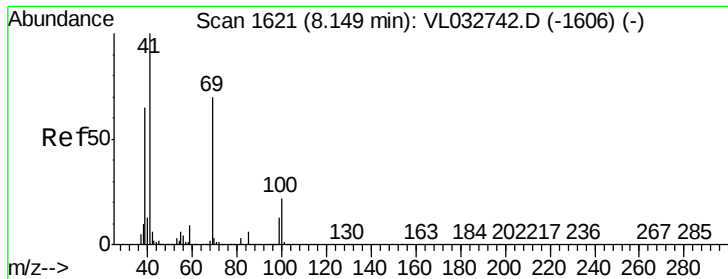
apatel
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#42
Bromodichloromethane
Concen: 9.902 ppbv
RT: 7.93 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VL032844.D
Acq: 29 Nov 2018 21:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.8	77.8
127	8.5	5.9	8.9





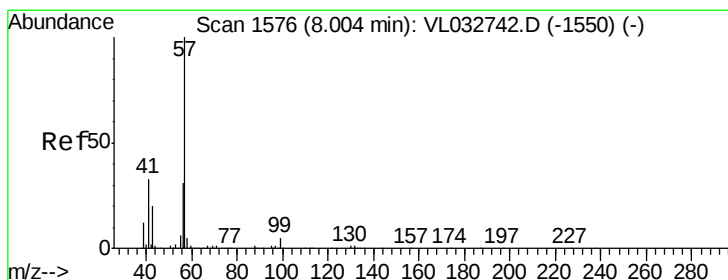
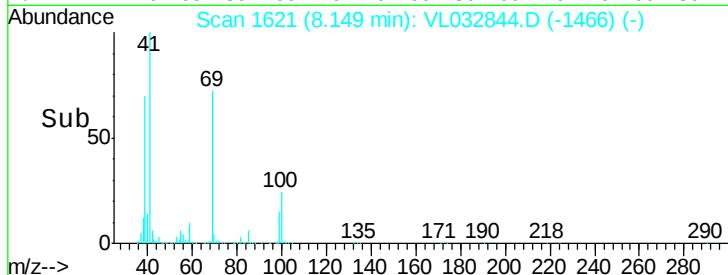
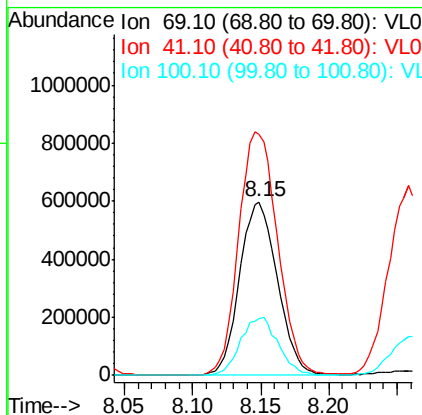
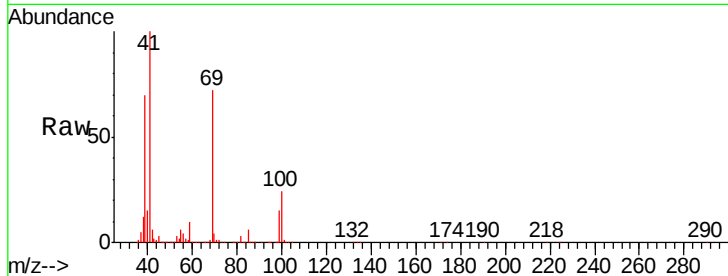
#43
Methyl Methacrylate
Concen: 10.727 ppbv
RT: 8.15 min Scan# 1621
Delta R.T. -0.00 min
Lab File: VL032844.D
Acq: 29 Nov 2018 21:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 69 Resp: 1151083
Ion Ratio Lower Upper
69 100
41 144.2 115.0 172.4
100 33.3 25.4 38.0

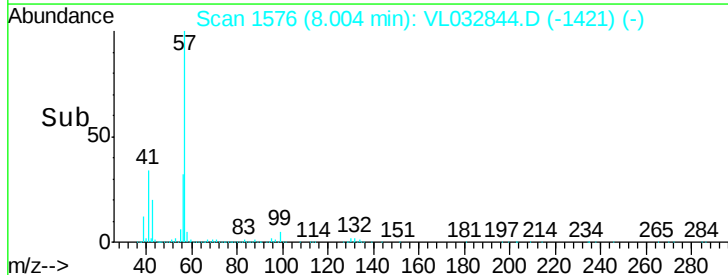
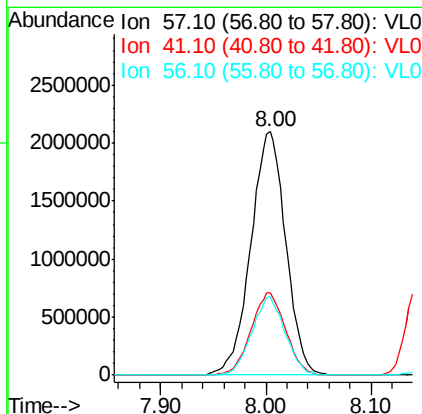
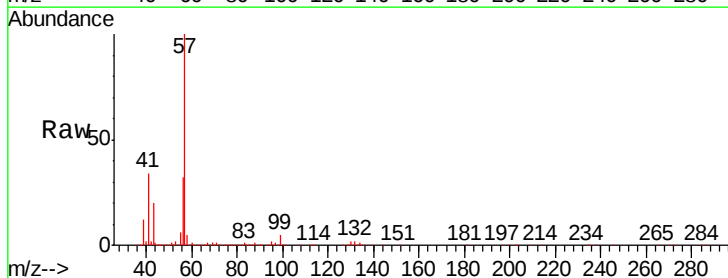
Manual Integrations
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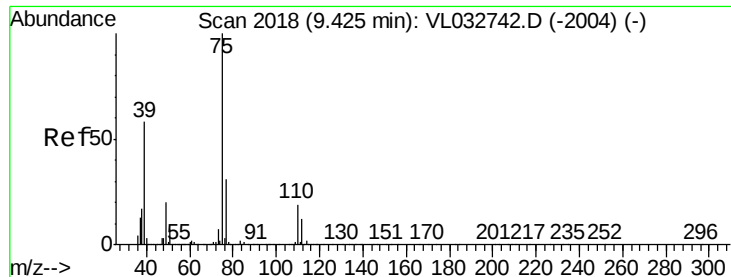
apatel
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#44
2,2,4-Trimethylpentane
Concen: 10.068 ppbv
RT: 8.00 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VL032844.D
Acq: 29 Nov 2018 21:17

Tgt Ion: 57 Resp: 4836144
Ion Ratio Lower Upper
57 100
41 33.5 26.6 39.8
56 30.8 24.8 37.2





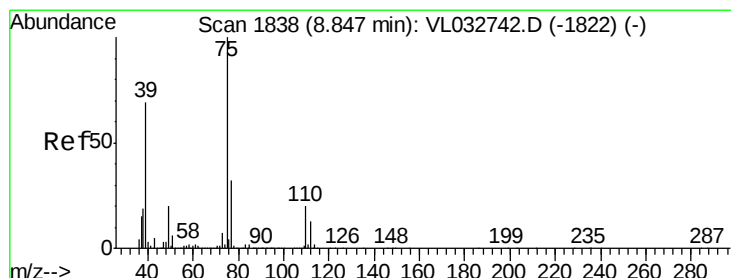
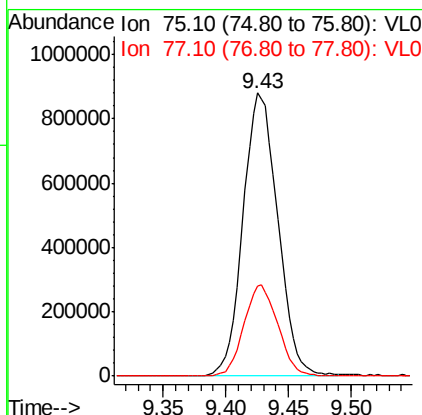
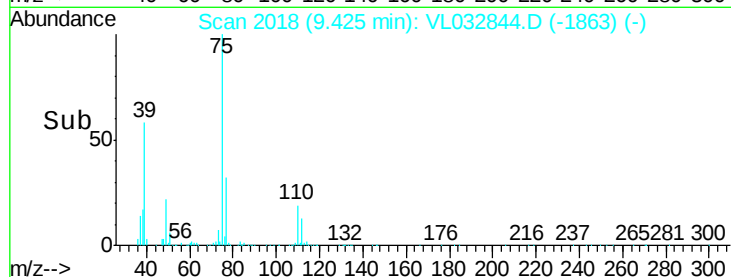
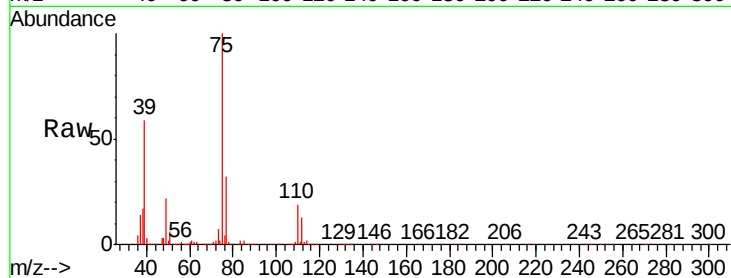
#45
t-1,3-Dichloropropene
Concen: 11.787 ppbv
RT: 9.43 min Scan# 2018
Delta R.T. -0.00 min
Lab File: VL032844.D
Acq: 29 Nov 2018 21:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 75 Resp: 1697167
Ion Ratio Lower Upper
75 100
77 31.8 24.6 36.8

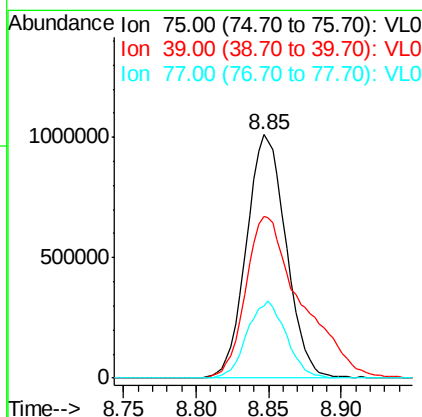
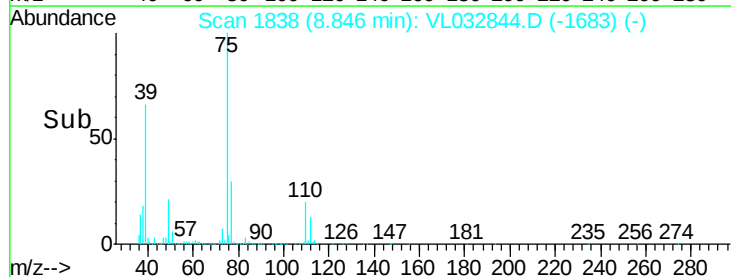
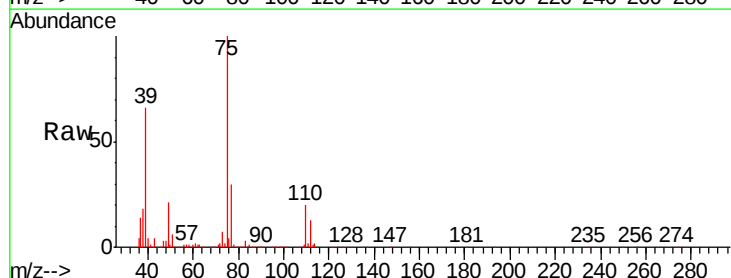
Manual Integrations
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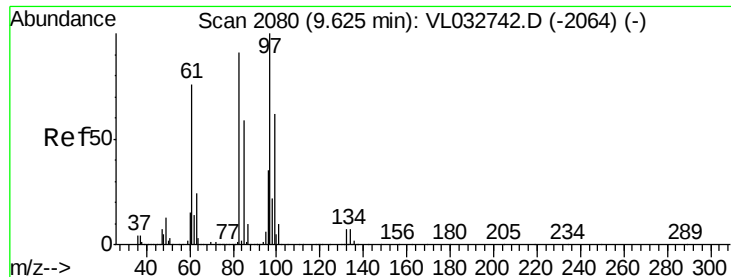
apatel
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#46
cis-1,3-Dichloropropene
Concen: 11.073 ppbv
RT: 8.85 min Scan# 1838
Delta R.T. -0.00 min
Lab File: VL032844.D
Acq: 29 Nov 2018 21:17

Tgt Ion: 75 Resp: 1926313
Ion Ratio Lower Upper
75 100
39 66.1 55.2 82.8
77 29.7 25.8 38.6





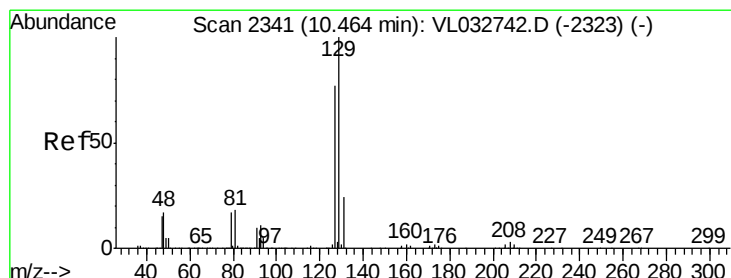
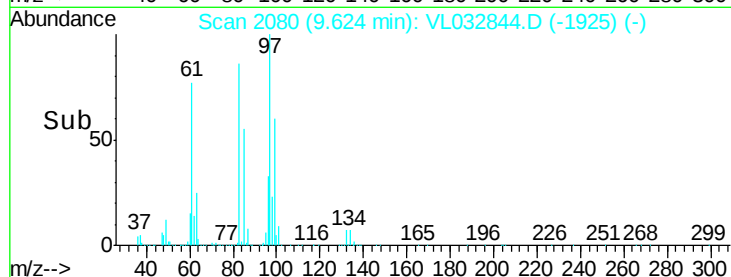
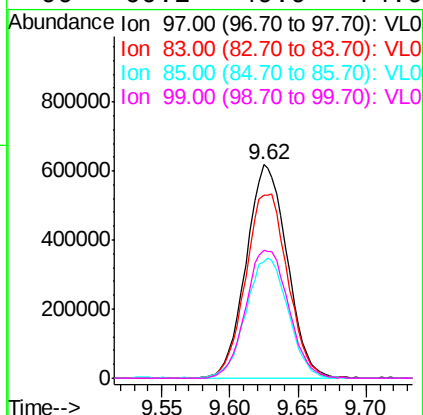
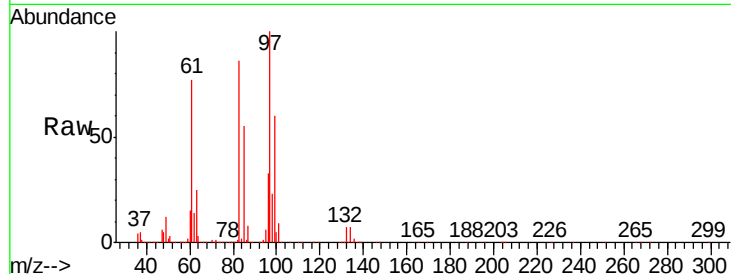
#47
 1,1,2-Trichloroethane
 Concen: 9.960 ppbv
 RT: 9.62 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VL032844.D
 Acq: 29 Nov 2018 21:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 97 Resp: 1289839
 Ion Ratio Lower Upper
 97 100
 83 85.8 73.0 109.4
 85 54.5 47.0 70.4
 99 60.2 49.9 74.9

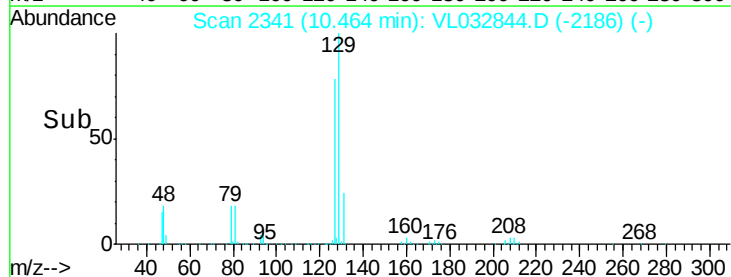
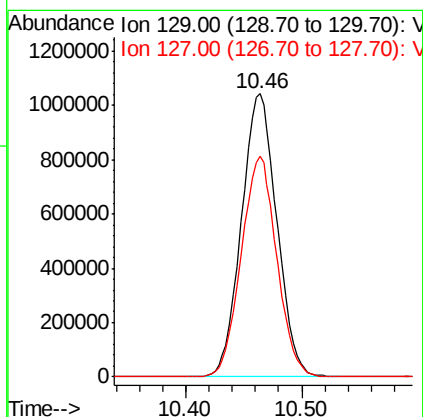
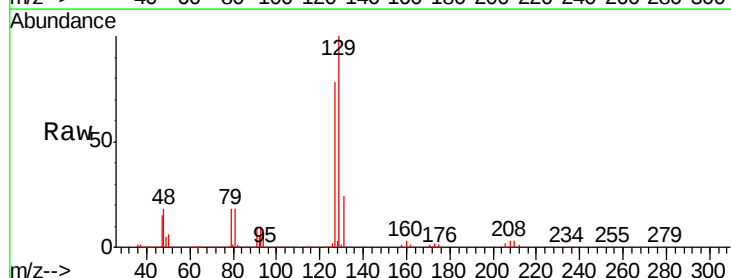
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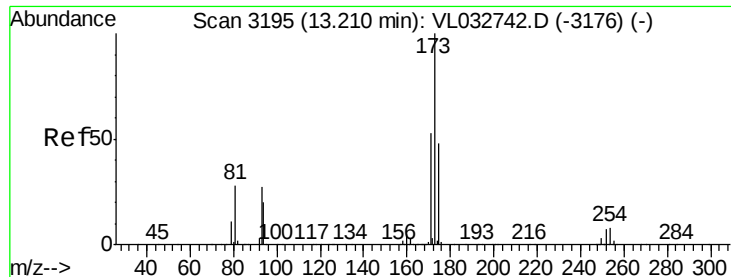
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#48
 Dibromochloromethane
 Concen: 10.066 ppbv
 RT: 10.46 min Scan# 2341
 Delta R.T. -0.00 min
 Lab File: VL032844.D
 Acq: 29 Nov 2018 21:17

Tgt Ion: 129 Resp: 2215566
 Ion Ratio Lower Upper
 129 100
 127 78.2 39.0 117.0





#49

Bromoform

Concen: 10.072 ppbv

RT: 13.21 min Scan# 3196

Delta R.T. 0.00 min

Lab File: VL032844.D

Acq: 29 Nov 2018 21:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 173 Resp: 1830763

Ion Ratio Lower Upper

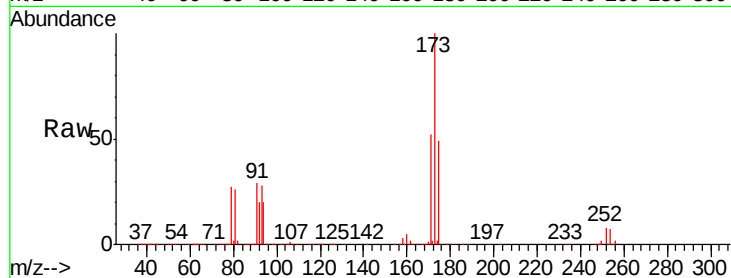
173 100

175 48.6 39.4 59.0

171 51.8 42.0 63.0

Manual Integrations
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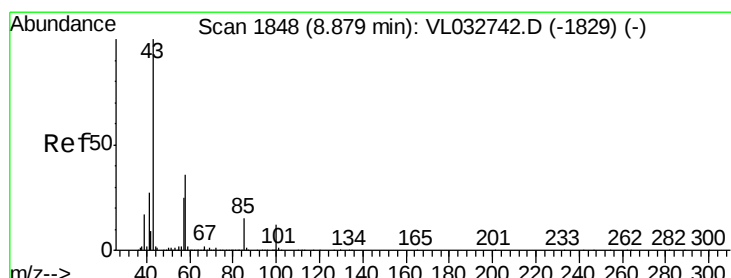
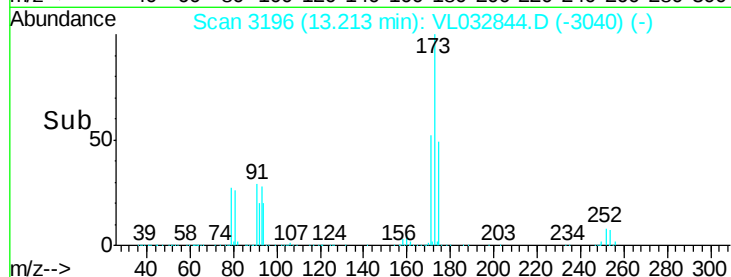
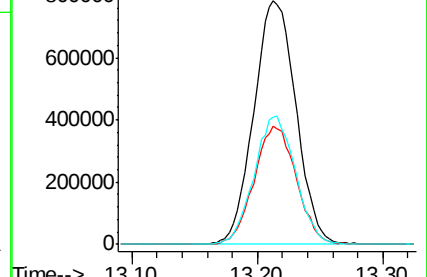
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.011 ppbv

RT: 8.88 min Scan# 1849

Delta R.T. 0.00 min

Lab File: VL032844.D

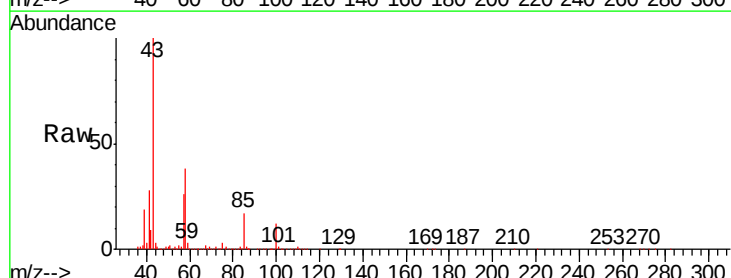
Acq: 29 Nov 2018 21:17

Tgt Ion: 43 Resp: 2927367

Ion Ratio Lower Upper

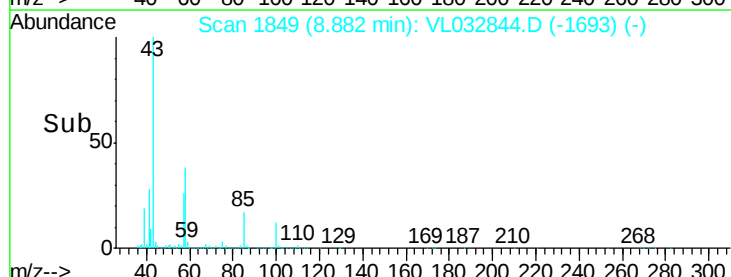
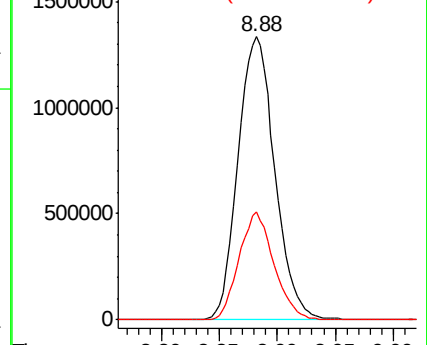
43 100

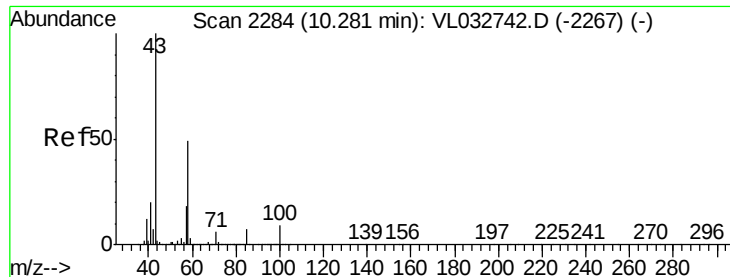
58 36.3 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





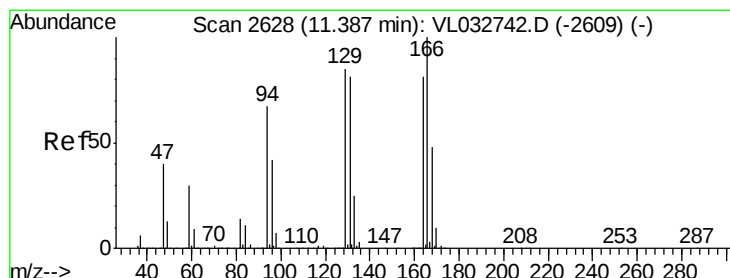
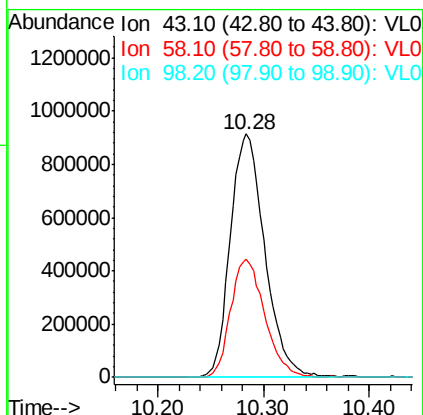
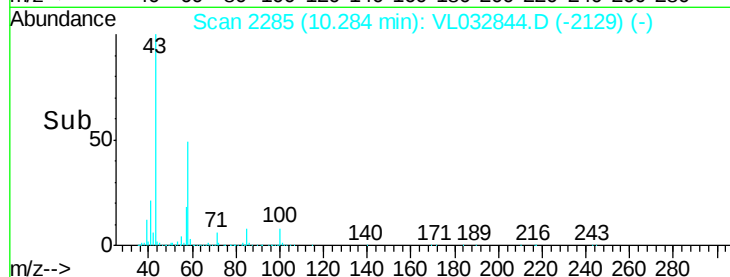
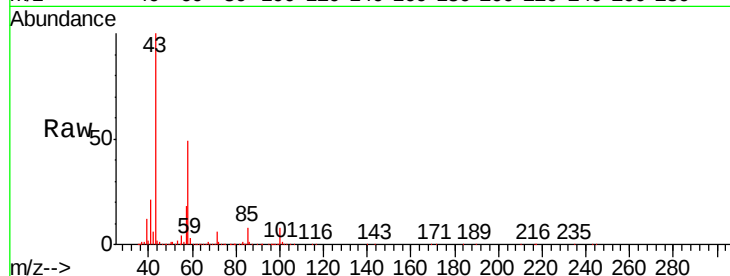
#51
2-Hexanone
Concen: 11.023 ppbv
RT: 10.28 min Scan# 2285
Delta R.T. 0.00 min
Lab File: VL032844.D
Acq: 29 Nov 2018 21:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 2076557
Ion Ratio Lower Upper
43 100
58 48.1 38.9 58.3
98 0.5 0.2 0.4#

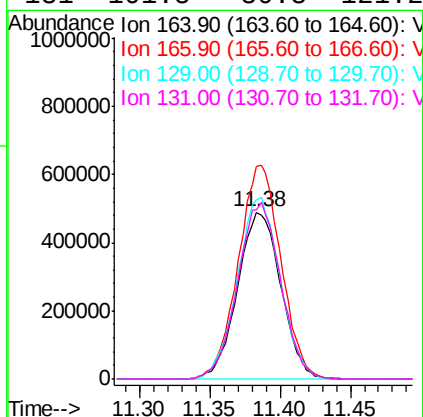
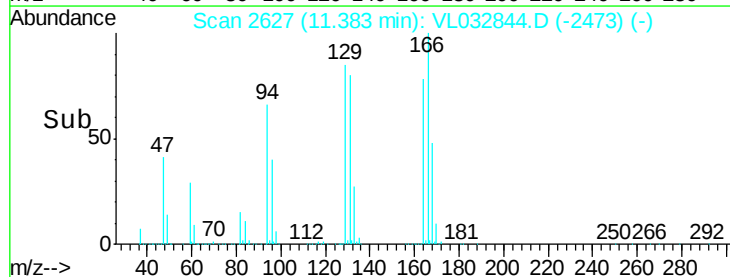
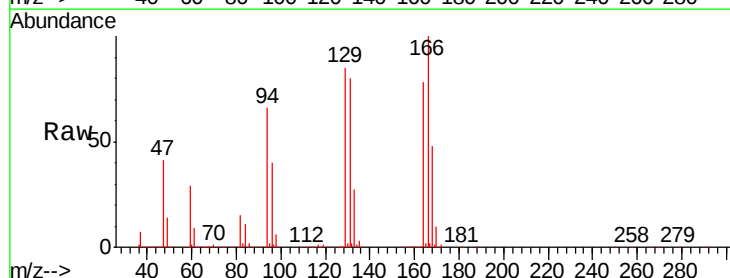
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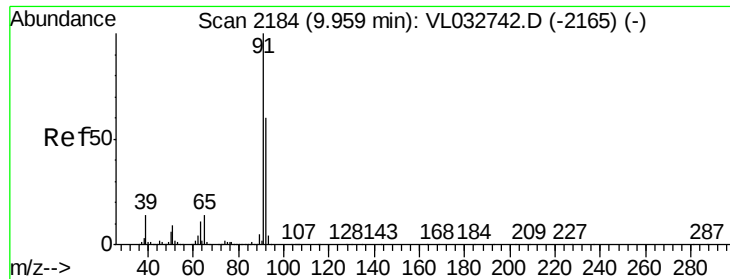
apatel
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#52
Tetrachloroethene
Concen: 10.449 ppbv
RT: 11.38 min Scan# 2627
Delta R.T. -0.00 min
Lab File: VL032844.D
Acq: 29 Nov 2018 21:17

Tgt Ion: 164 Resp: 1044746
Ion Ratio Lower Upper
164 100
166 127.5 99.3 148.9
129 107.7 83.9 125.9
131 101.5 80.8 121.2





#53

Toluene

Concen: 11.169 ppbv

RT: 9.96 min Scan# 2184

Delta R.T. -0.00 min

Lab File: VL032844.D

Acq: 29 Nov 2018 21:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 91 Resp: 3349306

Ion Ratio Lower Upper

91 100

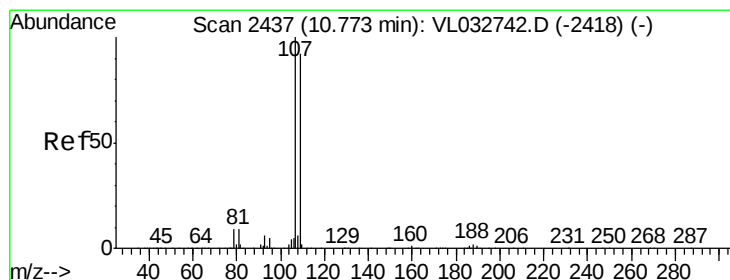
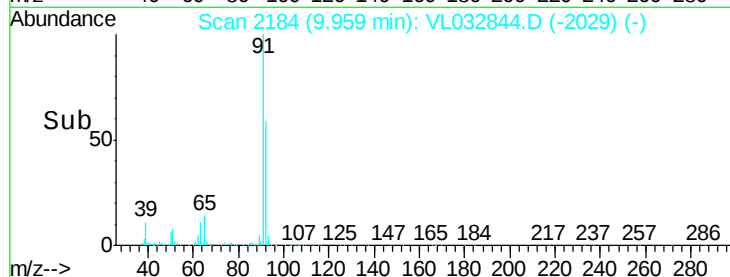
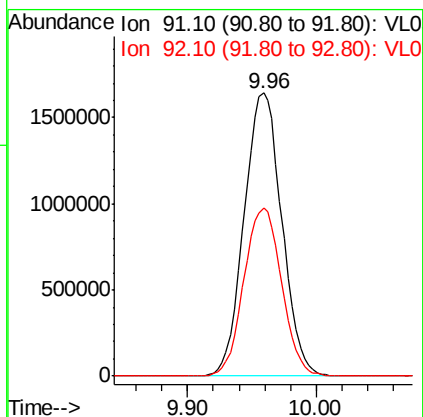
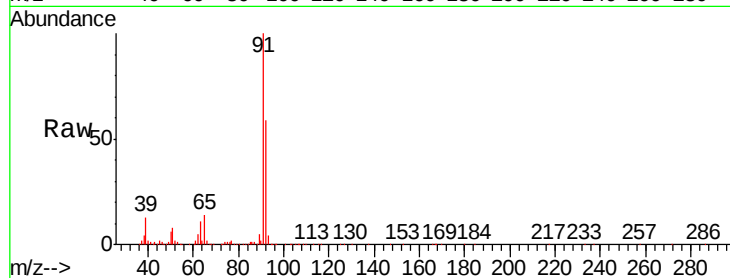
92 59.5 47.9 71.9

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 10.288 ppbv

RT: 10.77 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VL032844.D

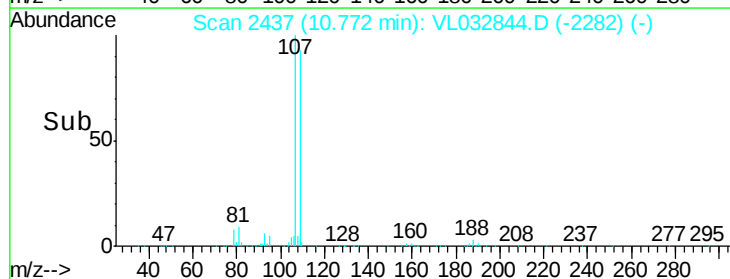
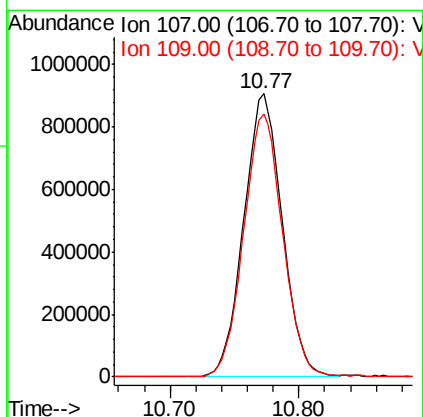
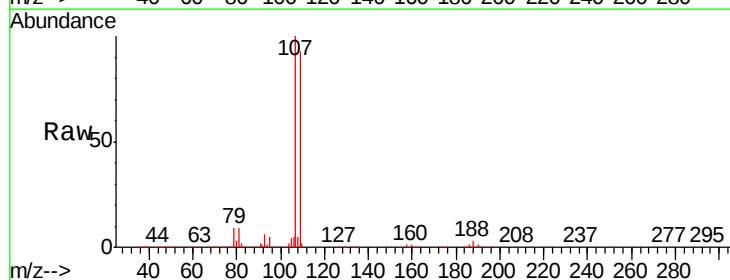
Acq: 29 Nov 2018 21:17

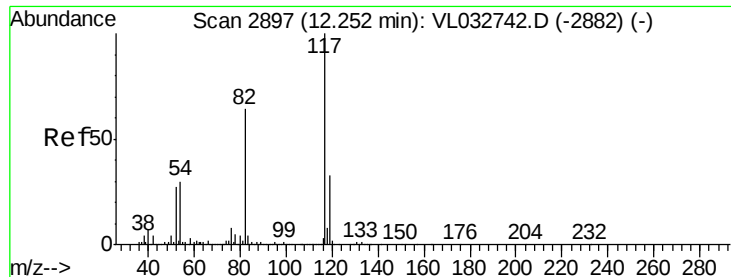
Tgt Ion: 107 Resp: 1883237

Ion Ratio Lower Upper

107 100

109 93.0 73.8 110.8





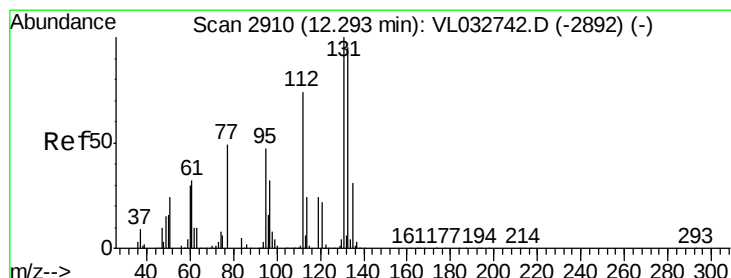
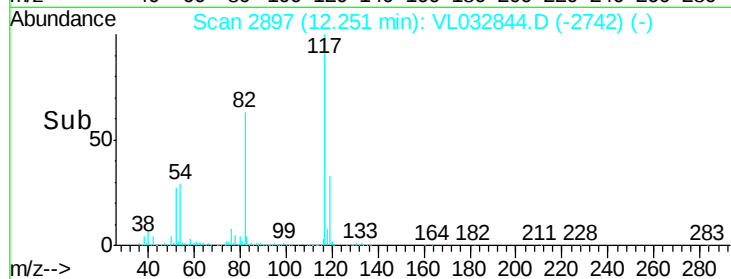
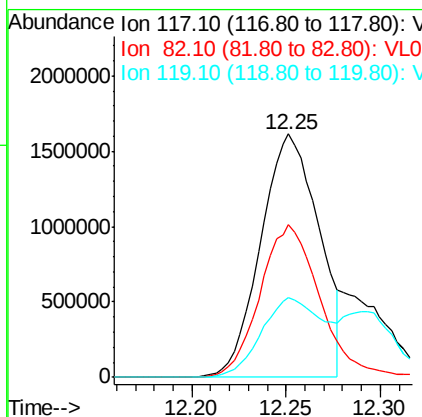
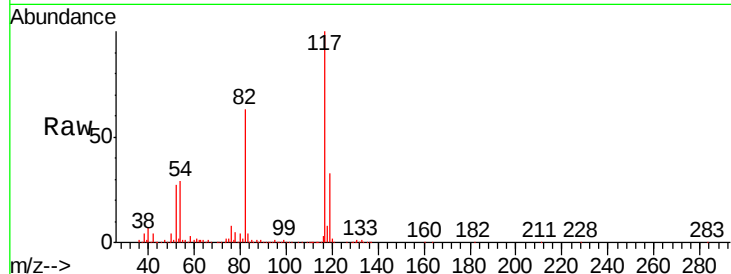
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.25 min Scan# 2897
Delta R.T. -0.00 min
Lab File: VL032844.D
Acq: 29 Nov 2018 21:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:117 Resp: 3467146
Ion Ratio Lower Upper
117 100
82 65.0 51.0 76.6
119 35.5 28.0 42.0

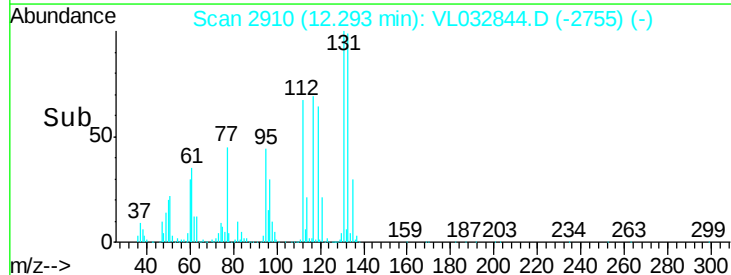
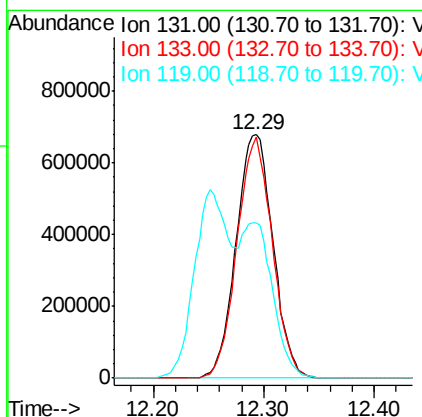
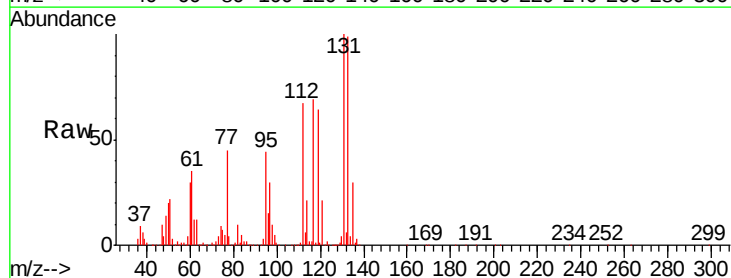
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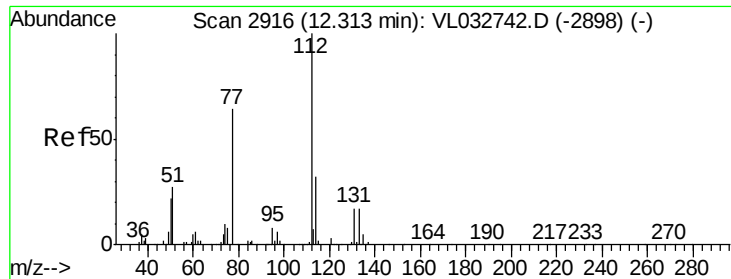
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.715 ppbv
RT: 12.29 min Scan# 2910
Delta R.T. -0.00 min
Lab File: VL032844.D
Acq: 29 Nov 2018 21:17

Tgt Ion:131 Resp: 1570976
Ion Ratio Lower Upper
131 100
133 94.7 75.8 113.6
119 57.0 45.2 67.8





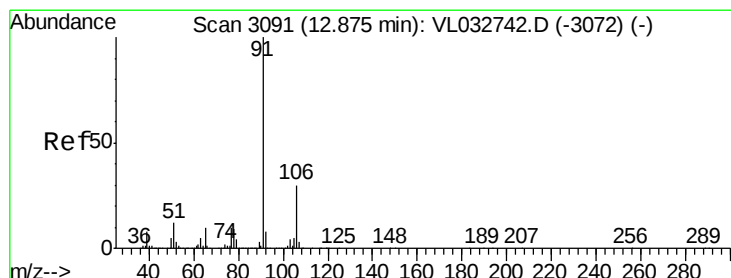
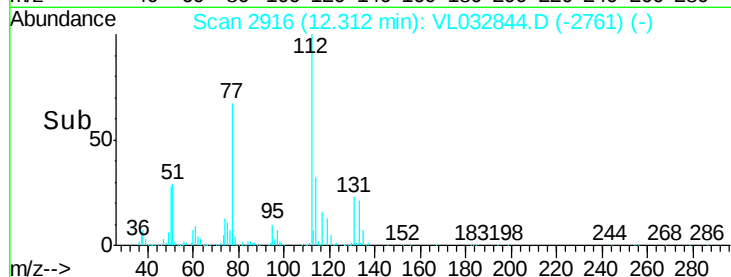
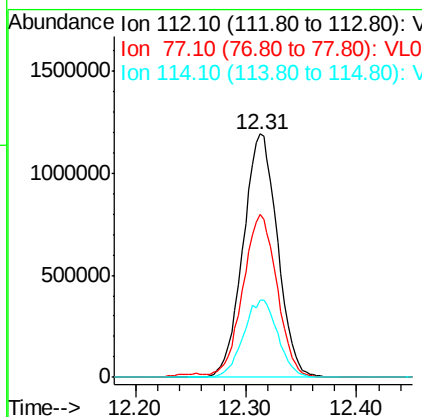
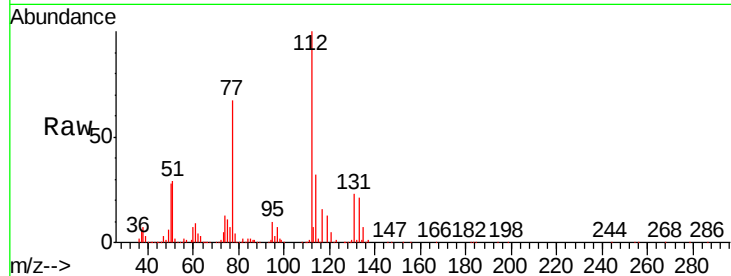
#57
Chlorobenzene
Concen: 9.686 ppbv
RT: 12.31 min Scan# 2916
Delta R.T. -0.00 min
Lab File: VL032844.D
Acq: 29 Nov 2018 21:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 112 Resp: 2570647
Ion Ratio Lower Upper
112 100
77 66.6 52.3 78.5
114 31.6 28.4 34.8

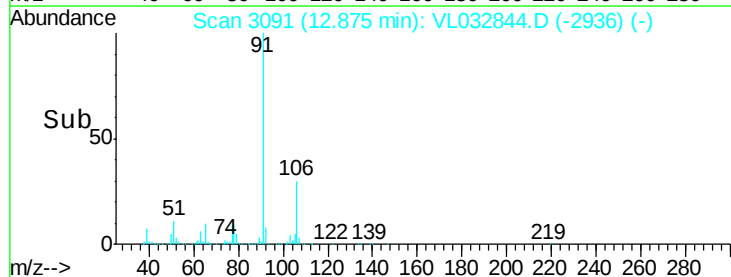
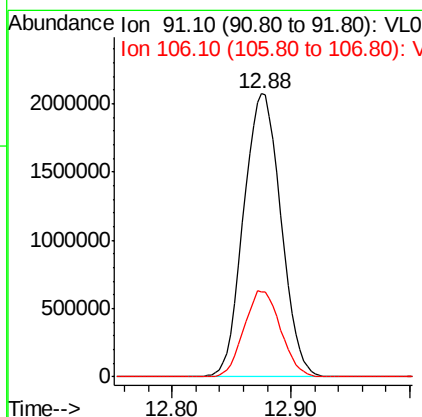
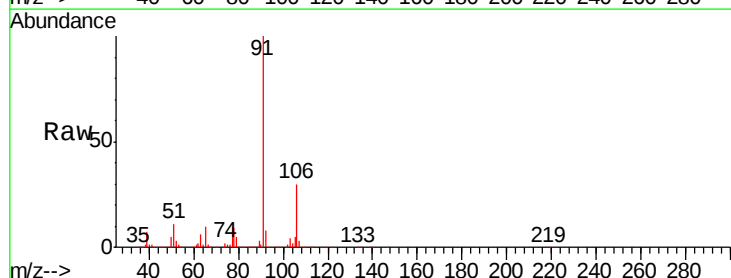
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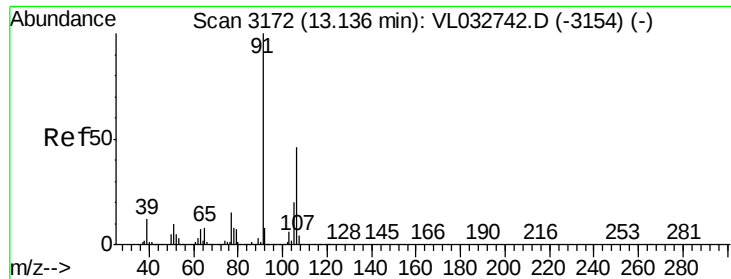
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#58
Ethyl Benzene
Concen: 10.826 ppbv
RT: 12.88 min Scan# 3091
Delta R.T. -0.00 min
Lab File: VL032844.D
Acq: 29 Nov 2018 21:17

Tgt Ion: 91 Resp: 4517284
Ion Ratio Lower Upper
91 100
106 30.0 23.6 35.4





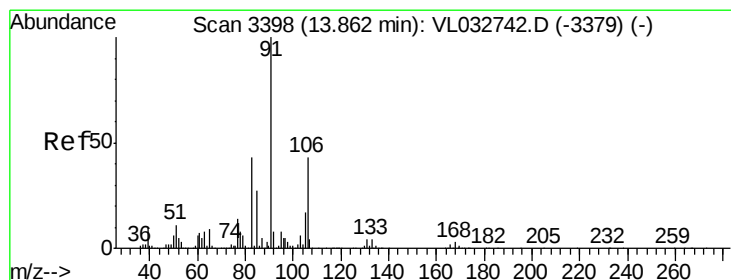
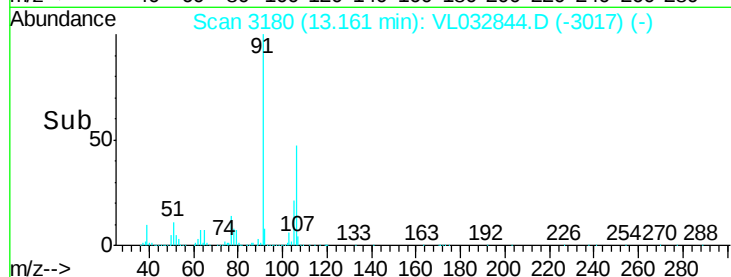
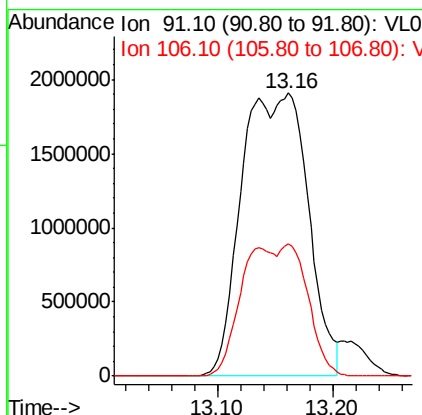
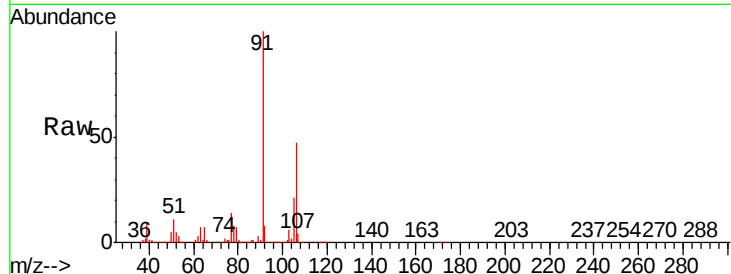
#59
m/p-Xylene
Concen: 20.543 ppbv m
RT: 13.16 min Scan# 3180
Delta R.T. 0.03 min
Lab File: VL032844.D
Acq: 29 Nov 2018 21:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 7630936
Ion Ratio Lower Upper
91 100
106 0.0 36.1 54.1#

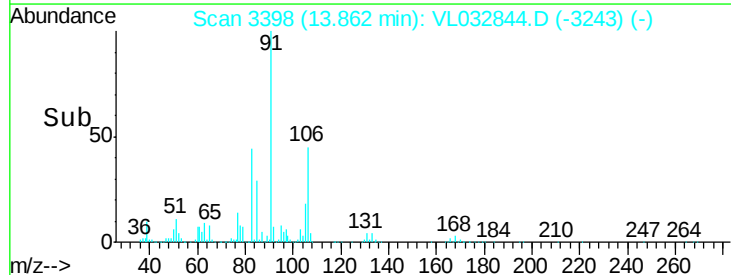
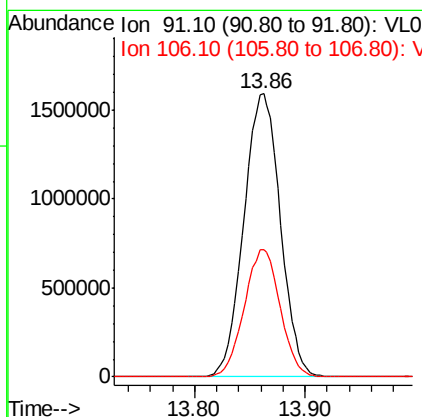
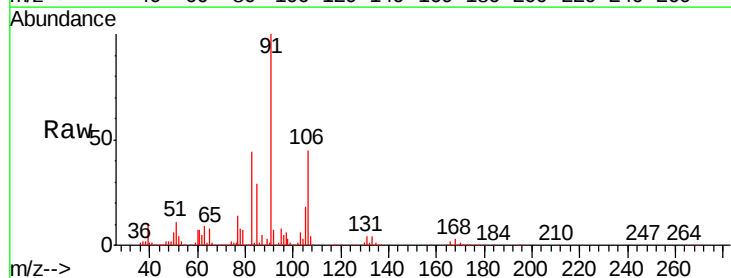
Manual Integrations
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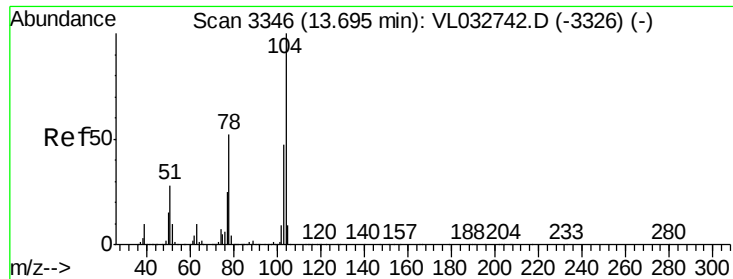
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#60
o-Xylene
Concen: 9.759 ppbv
RT: 13.86 min Scan# 3398
Delta R.T. -0.00 min
Lab File: VL032844.D
Acq: 29 Nov 2018 21:17

Tgt Ion: 91 Resp: 3644976
Ion Ratio Lower Upper
91 100
106 44.2 21.9 65.7





#61

Styrene

Concen: 11.138 ppbv

RT: 13.70 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VL032844.D

Acq: 29 Nov 2018 21:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:104 Resp: 2708109

Ion Ratio Lower Upper

104 100

78 52.3 42.2 63.4

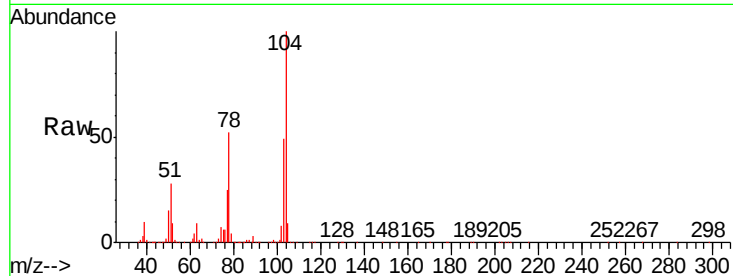
103 48.2 38.2 57.2

Manual Integrations

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apatel

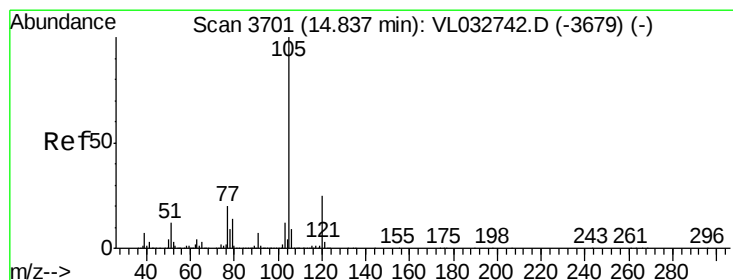
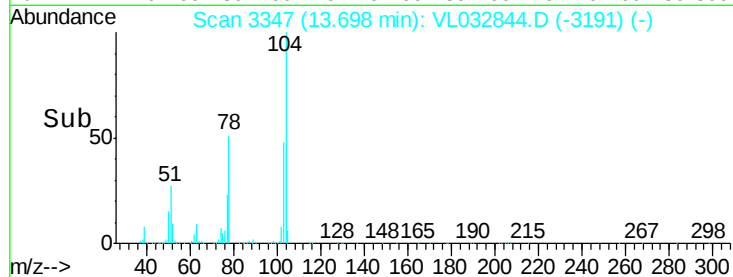
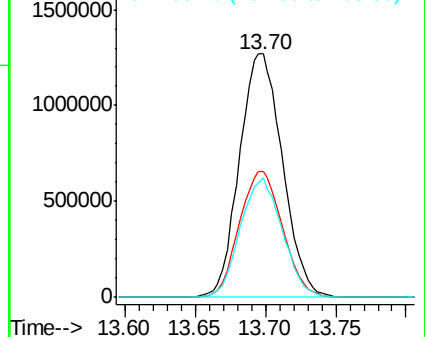
12/4/2018 8:39:07 AM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 10.218 ppbv

RT: 14.84 min Scan# 3702

Delta R.T. 0.00 min

Lab File: VL032844.D

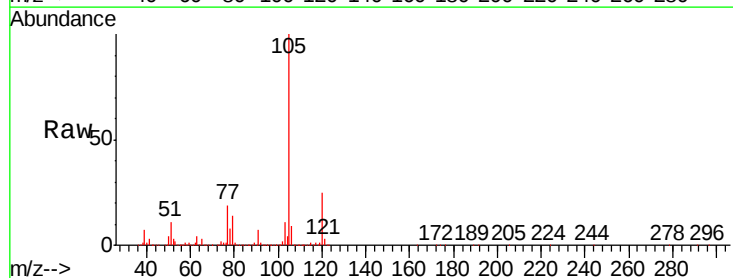
Acq: 29 Nov 2018 21:17

Tgt Ion:105 Resp: 5158503

Ion Ratio Lower Upper

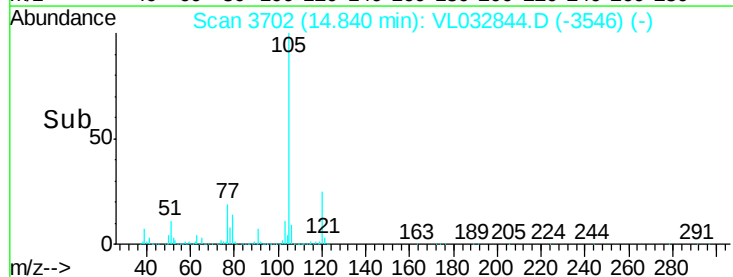
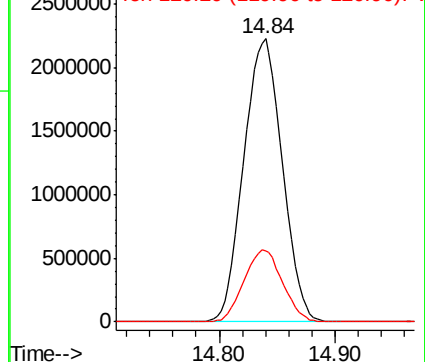
105 100

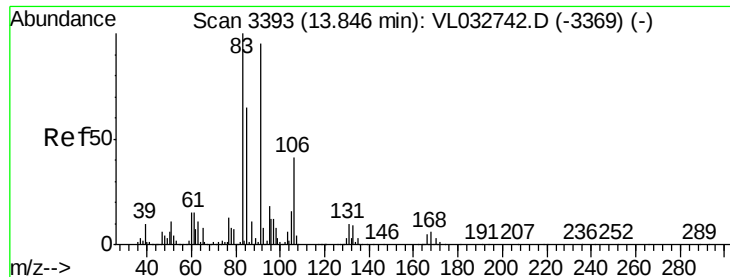
120 25.4 20.1 30.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





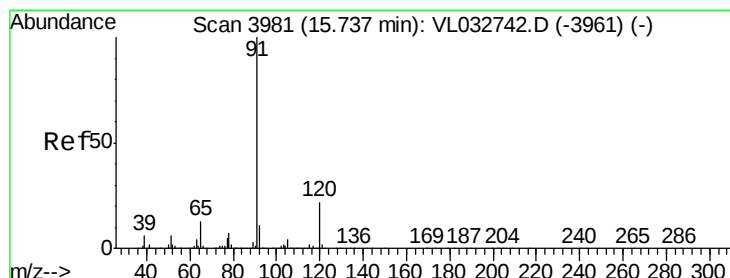
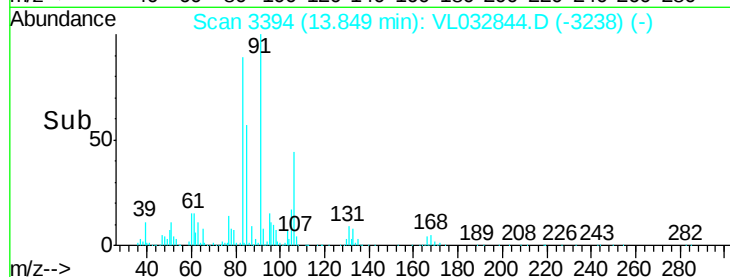
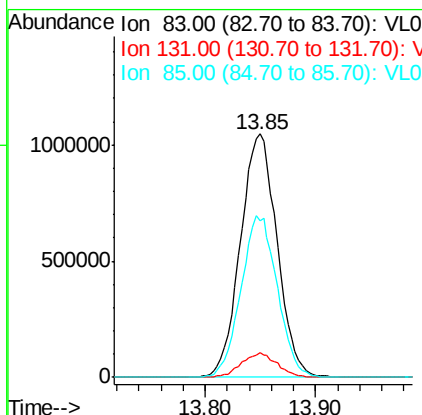
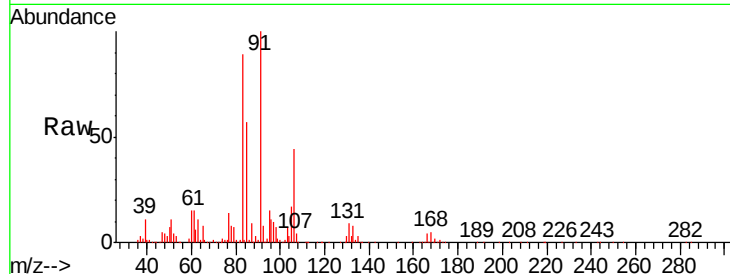
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.294 ppbv
 RT: 13.85 min Scan# 3394
 Delta R.T. 0.00 min
 Lab File: VL032844.D
 Acq: 29 Nov 2018 21:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 83 Resp: 2414903
 Ion Ratio Lower Upper
 83 100
 131 9.7 4.7 14.1
 85 66.1 32.5 97.4

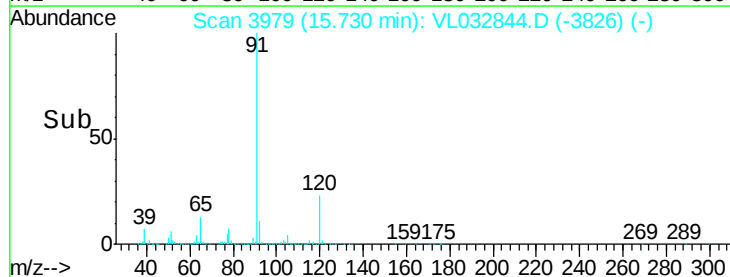
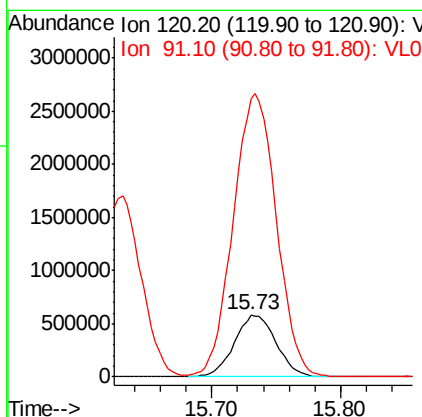
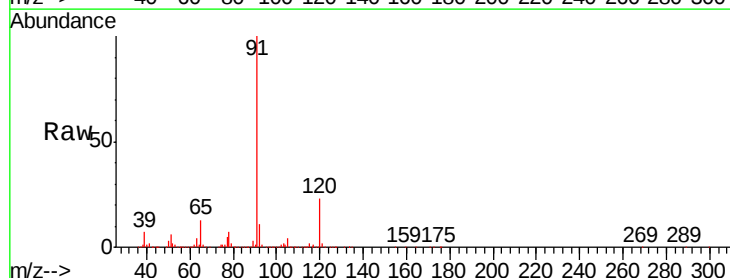
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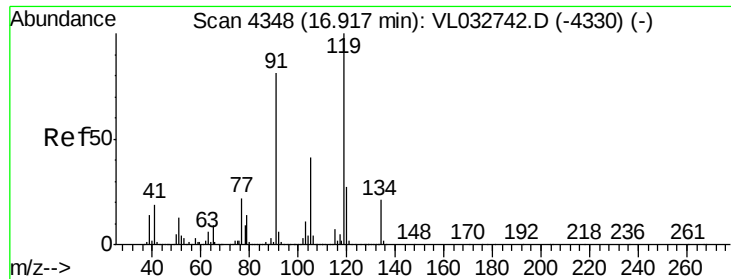
apatel
 12/4/2018 8:39:07 AM



#64
 n-propylbenzene
 Concen: 9.878 ppbv
 RT: 15.73 min Scan# 3979
 Delta R.T. -0.01 min
 Lab File: VL032844.D
 Acq: 29 Nov 2018 21:17

Tgt Ion: 120 Resp: 1311655
 Ion Ratio Lower Upper
 120 100
 91 473.6 381.7 572.5





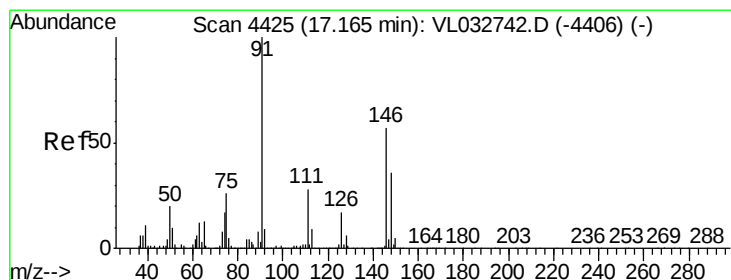
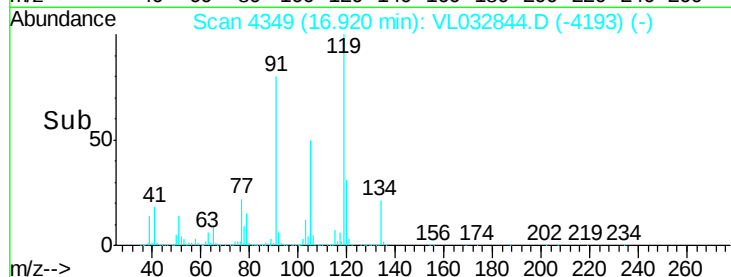
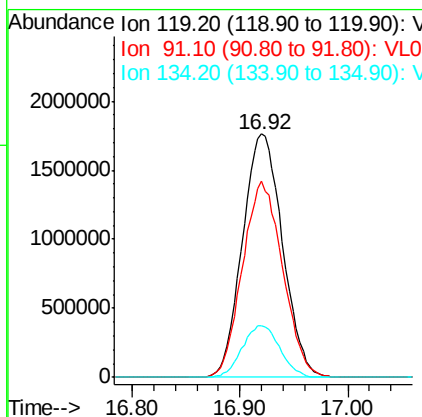
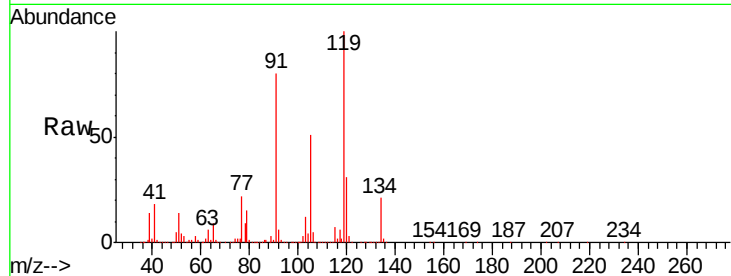
#65
tert-Butylbenzene
Concen: 10.035 ppbv
RT: 16.92 min Scan# 4349
Delta R.T. 0.00 min
Lab File: VL032844.D
Acq: 29 Nov 2018 21:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
119	100		
91	80.9	65.6	98.4
134	20.1	15.9	23.9

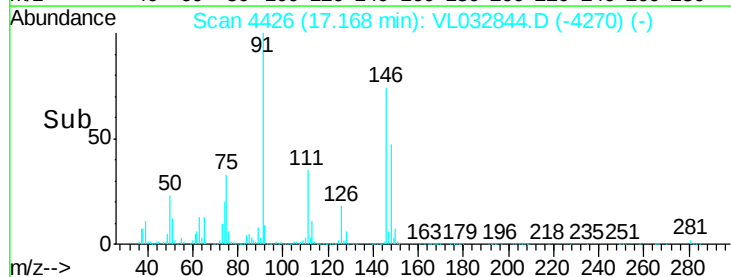
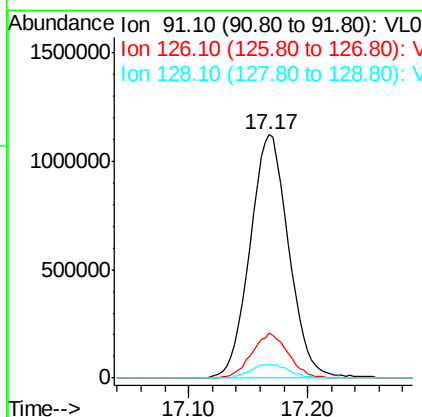
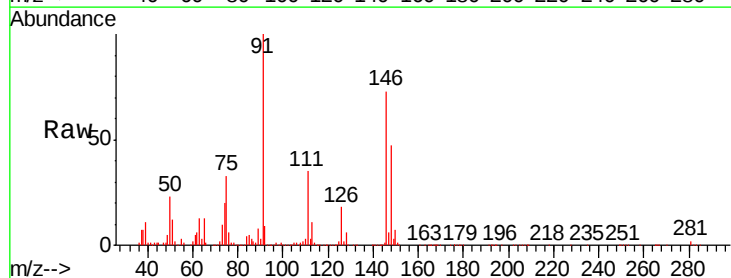
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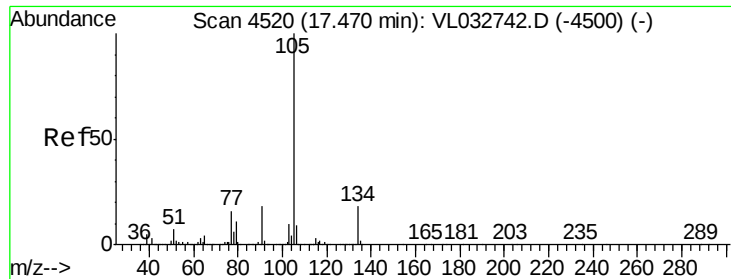
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#66
Benzyl Chloride
Concen: 10.080 ppbv
RT: 17.17 min Scan# 4426
Delta R.T. 0.00 min
Lab File: VL032844.D
Acq: 29 Nov 2018 21:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	17.6	14.2	21.2
128	5.7	4.5	6.7





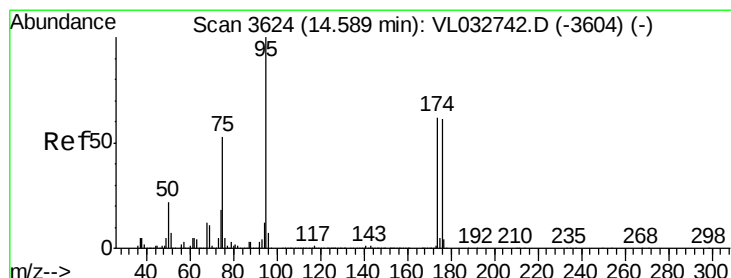
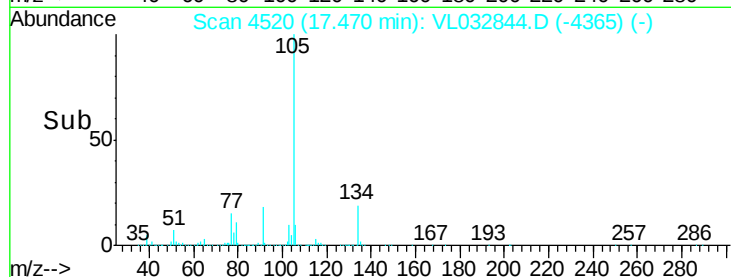
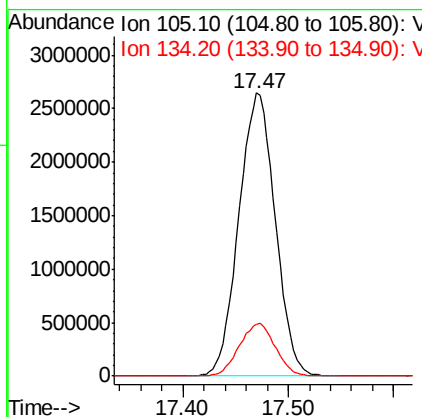
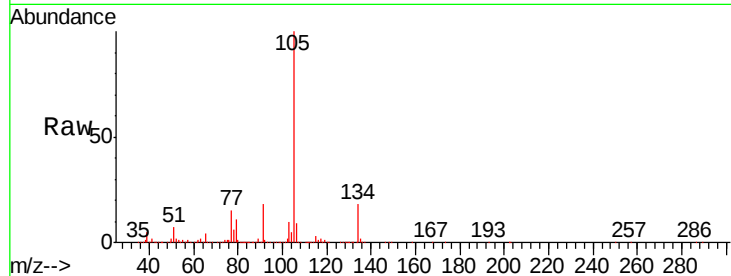
#67
 sec-Butylbenzene
 Concen: 9.711 ppbv
 RT: 17.47 min Scan# 4520
 Delta R.T. -0.00 min
 Lab File: VL032844.D
 Acq: 29 Nov 2018 21:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 105 Resp: 6333795
 Ion Ratio Lower Upper
 105 100
 134 18.5 14.6 21.8

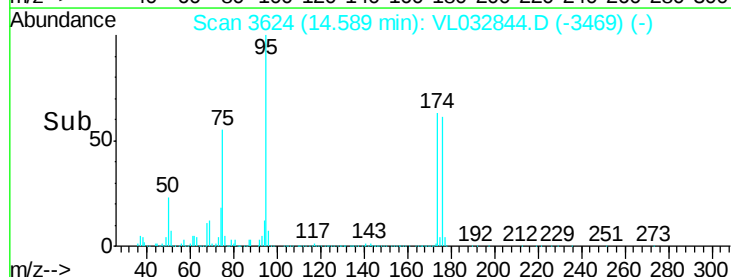
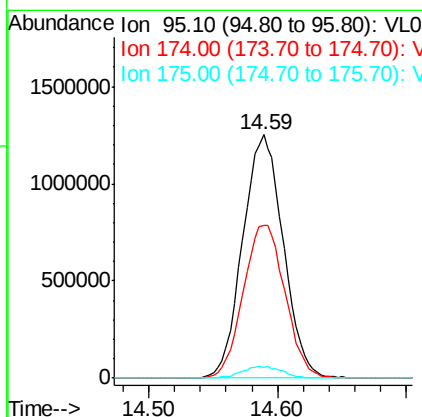
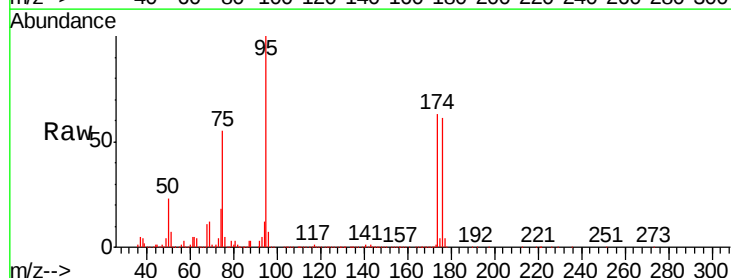
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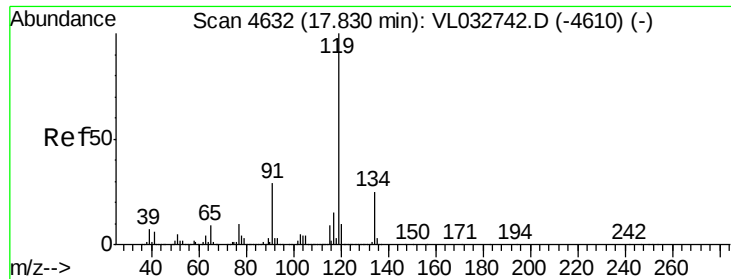
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.552 ppbv
 RT: 14.59 min Scan# 3624
 Delta R.T. -0.00 min
 Lab File: VL032844.D
 Acq: 29 Nov 2018 21:17

Tgt Ion: 95 Resp: 2736460
 Ion Ratio Lower Upper
 95 100
 174 65.3 50.7 76.1
 175 4.8 3.8 5.6





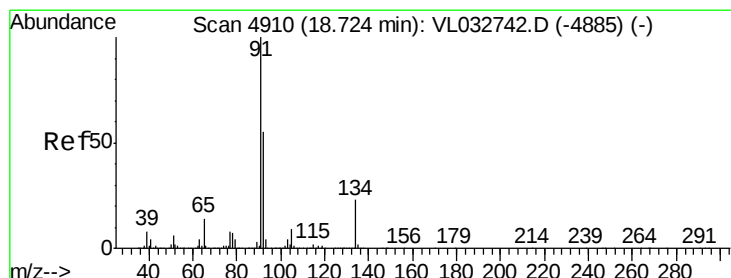
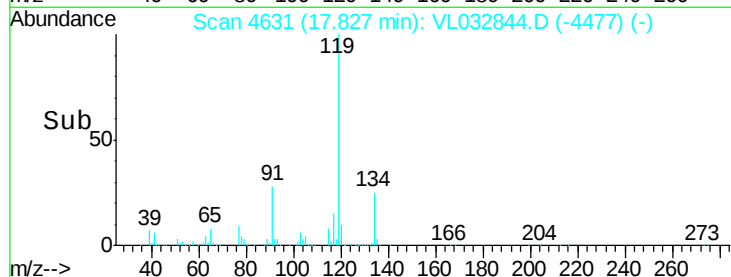
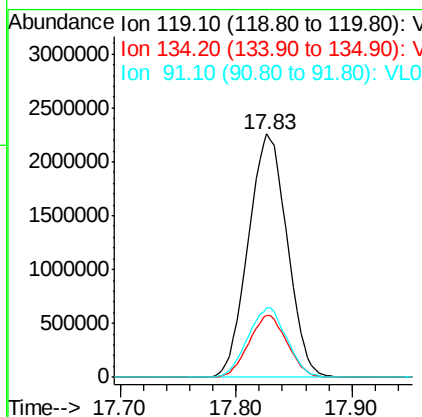
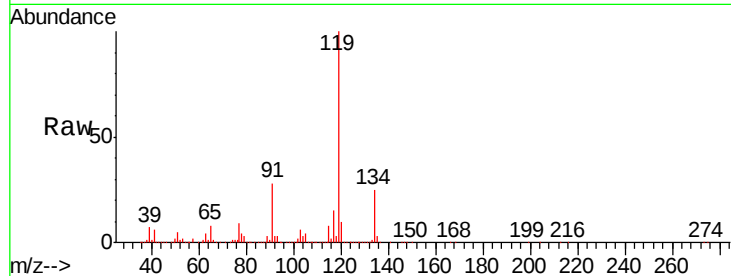
#69
p-Isopropyltoluene
Concen: 10.170 ppbv
RT: 17.83 min Scan# 4631
Delta R.T. -0.00 min
Lab File: VL032844.D
Acq: 29 Nov 2018 21:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 119 Resp: 5273770
Ion Ratio Lower Upper
119 100
134 25.2 20.2 30.4
91 28.7 23.5 35.3

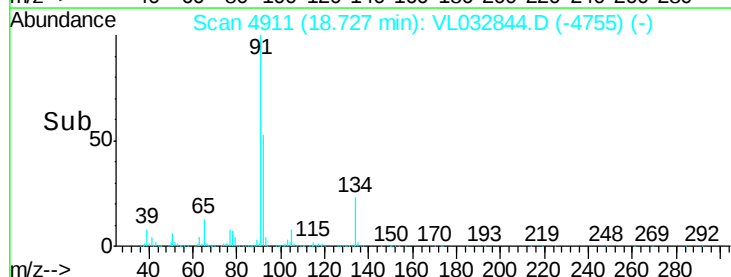
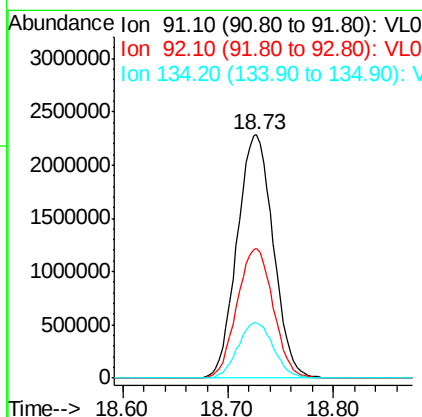
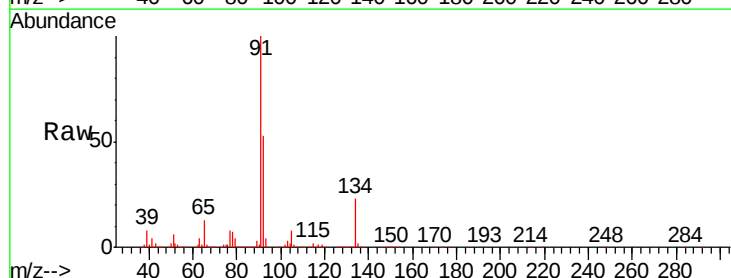
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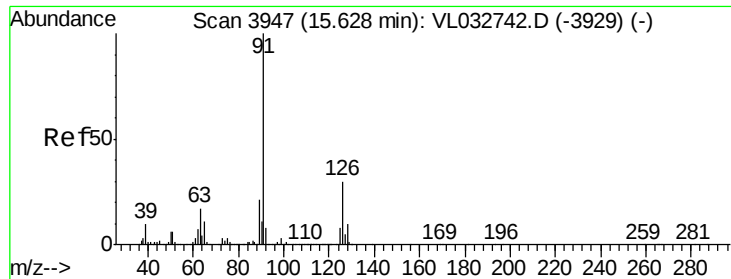
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#70
n-Butylbenzene
Concen: 10.315 ppbv
RT: 18.73 min Scan# 4911
Delta R.T. 0.00 min
Lab File: VL032844.D
Acq: 29 Nov 2018 21:17

Tgt Ion: 91 Resp: 5431300
Ion Ratio Lower Upper
91 100
92 53.4 42.9 64.3
134 22.5 17.8 26.8





#71

2-Chlorotoluene

Concen: 10.170 ppbv

RT: 15.63 min Scan# 3948

Delta R.T. 0.00 min

Lab File: VL032844.D

Acq: 29 Nov 2018 21:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 91 Resp: 3828875

Ion Ratio Lower Upper

91 100

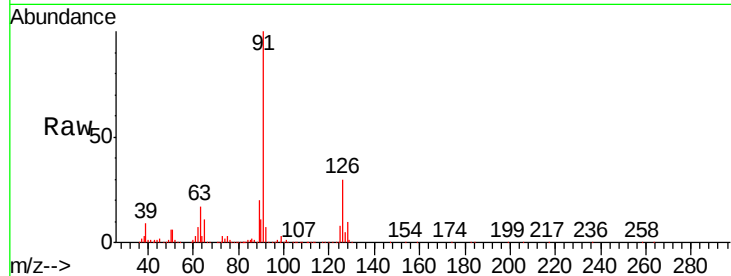
126 30.6 12.1 48.5

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

3000000

2500000

2000000

1500000

1000000

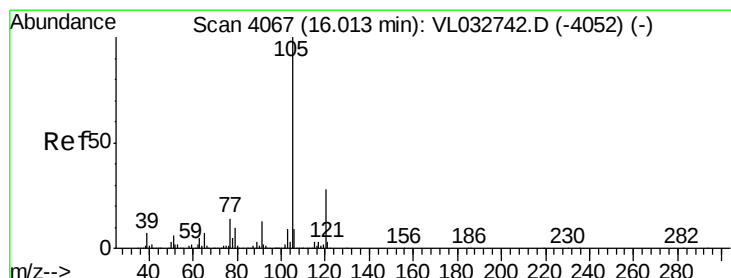
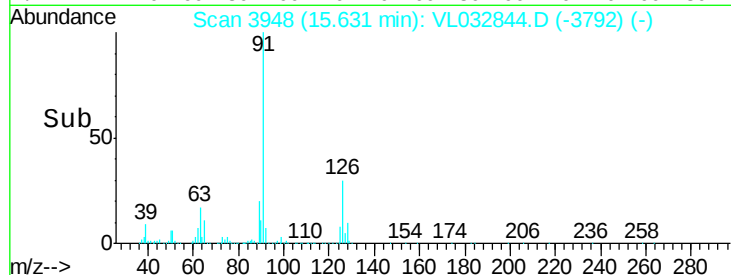
500000

0

15.60

15.70

Time-->



#72

4-Ethyltoluene

Concen: 10.309 ppbv

RT: 16.01 min Scan# 4067

Delta R.T. -0.00 min

Lab File: VL032844.D

Acq: 29 Nov 2018 21:17

Tgt Ion: 105 Resp: 4220291

Ion Ratio Lower Upper

105 100

120 28.6 22.9 34.3

91 13.1 10.6 15.8

77 13.6 11.4 17.2

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

2500000

2000000

1500000

1000000

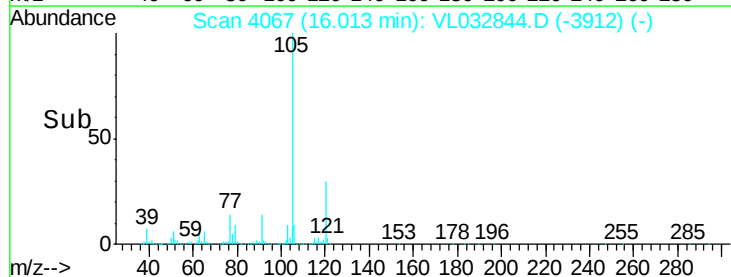
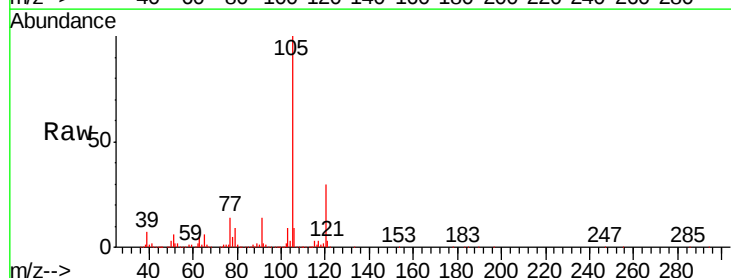
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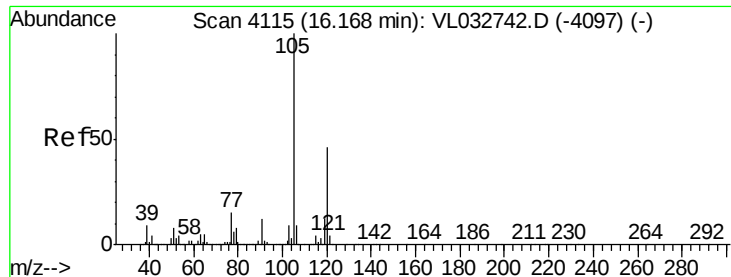
0

16.00

16.10

Time-->





#73

1,3,5-Trimethylbenzene

Concen: 10.012 ppbv

RT: 16.17 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VL032844.D

Acq: 29 Nov 2018 21:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:105 Resp: 4007391

Ion Ratio Lower Upper

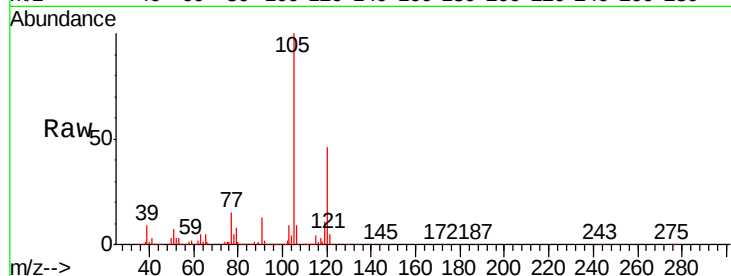
105 100

120 46.0 36.6 55.0

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2000000

1500000

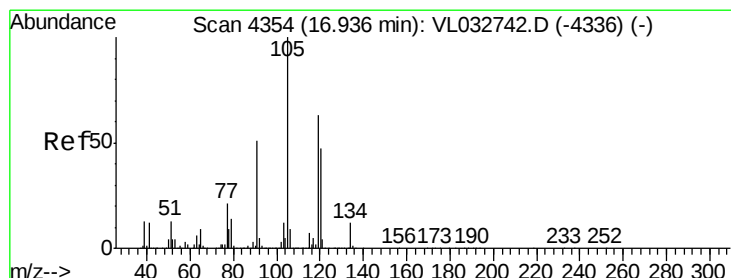
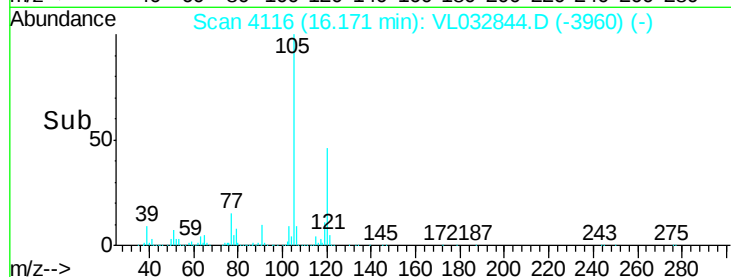
1000000

500000

0

16.10 16.20

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 9.624 ppbv

RT: 16.94 min Scan# 4354

Delta R.T. -0.00 min

Lab File: VL032844.D

Acq: 29 Nov 2018 21:17

Tgt Ion:105 Resp: 4122315

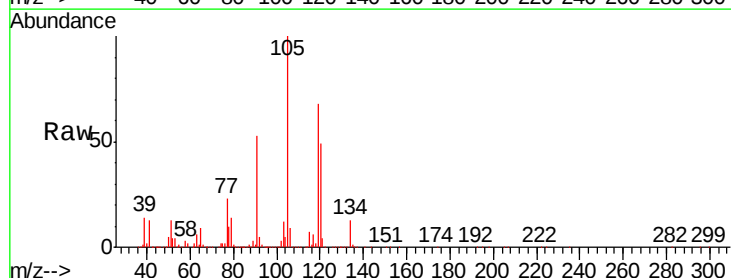
Ion Ratio Lower Upper

105 100

120 48.8 37.6 56.4

91 53.0 42.5 63.7

77 22.8 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

2500000

2000000

1500000

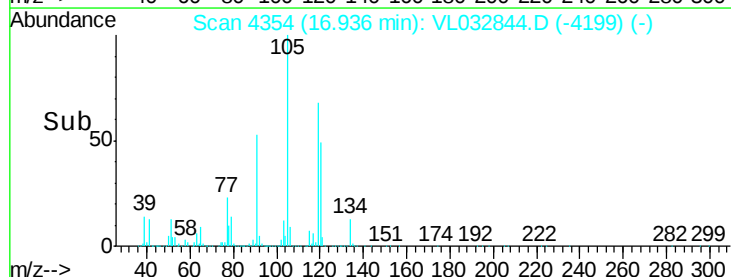
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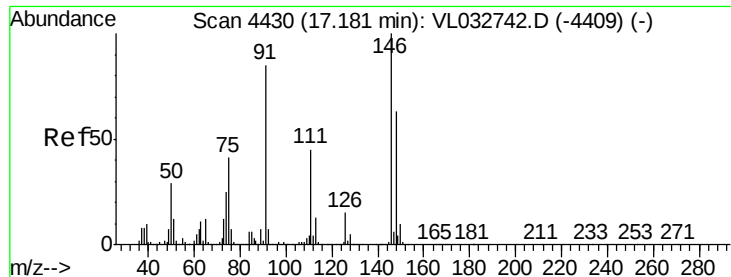
500000

0

16.80 16.90 17.00

Time-->





#75

1,3-Dichlorobenzene

Concen: 9.605 ppbv

RT: 17.18 min Scan# 4429

Delta R.T. -0.00 min

Lab File: VL032844.D

Acq: 29 Nov 2018 21:17

Instrument :

MSVOA_L

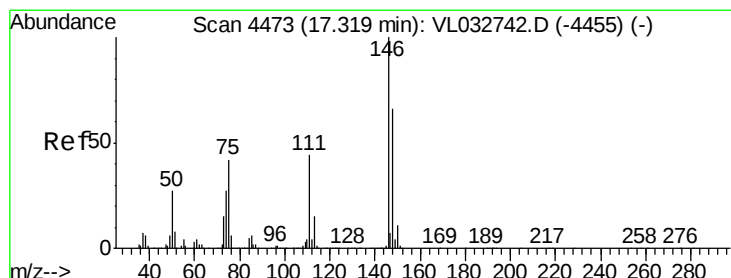
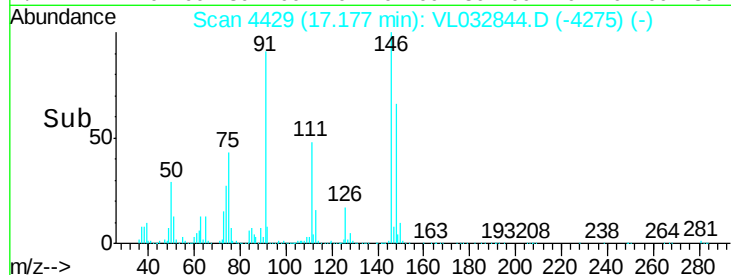
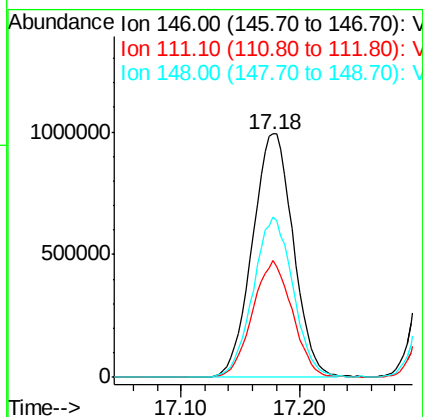
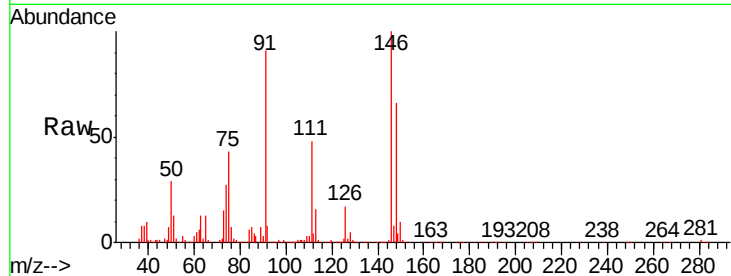
ClientSampleId :

VSTDCCC010EC

Tgt Ion:	146	Resp:	2359722
Ion Ratio	Lower	Upper	
146	100		
111	46.9	23.5	70.6
148	64.4	31.8	95.3

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#76

1,4-Dichlorobenzene

Concen: 10.106 ppbv

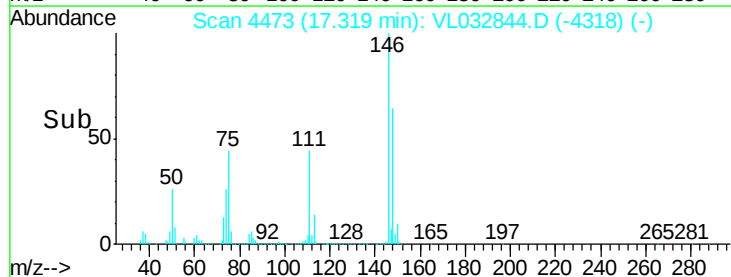
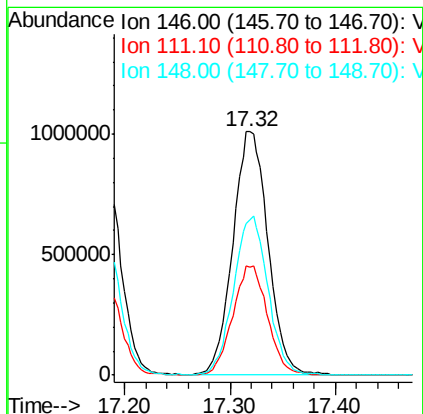
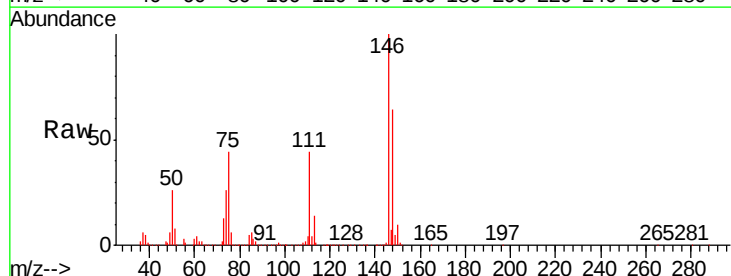
RT: 17.32 min Scan# 4473

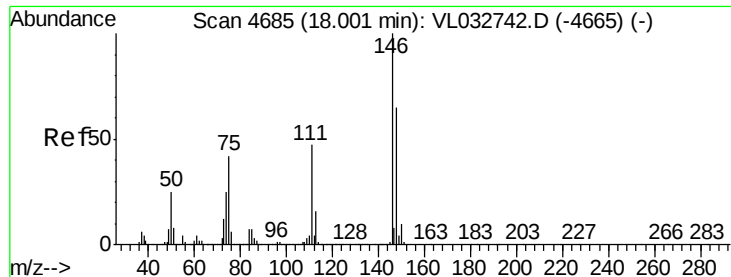
Delta R.T. -0.00 min

Lab File: VL032844.D

Acq: 29 Nov 2018 21:17

Tgt Ion:	146	Resp:	2319381
Ion Ratio	Lower	Upper	
146	100		
111	45.0	22.5	67.5
148	64.6	32.5	97.5





#77

1,2-Dichlorobenzene

Concen: 10.127 ppbv

RT: 18.00 min Scan# 4685

Delta R.T. -0.00 min

Lab File: VL032844.D

Acq: 29 Nov 2018 21:17

Instrument :

MSVOA_L

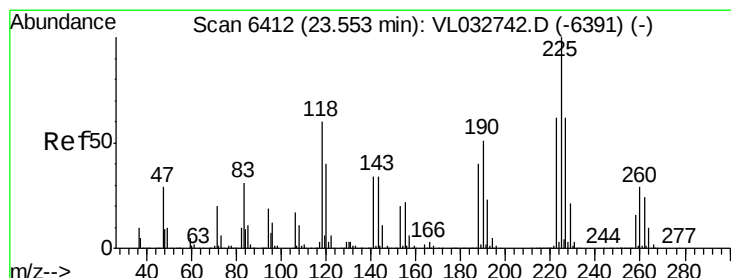
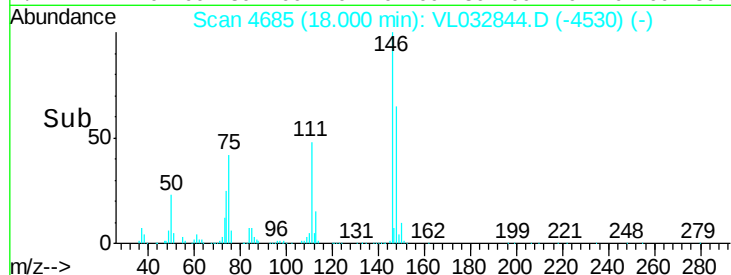
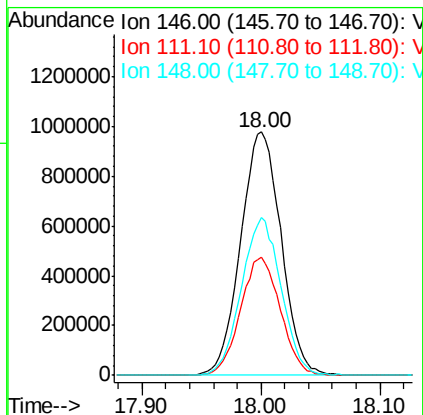
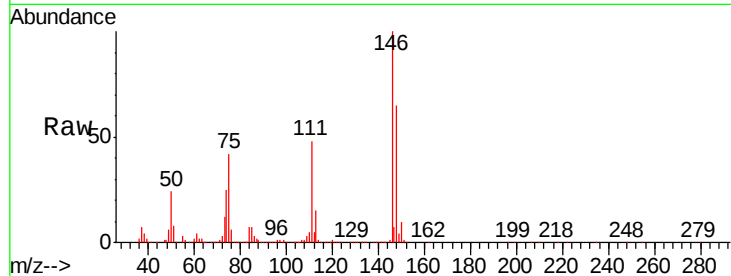
ClientSampleId :

VSTDCCC010EC

Tgt Ion:	146	Resp:	2301875
Ion	Ratio	Lower	Upper
146	100		
111	48.1	24.4	73.2
148	64.1	32.2	96.6

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#78

Hexachloro-1,3-Butadiene

Concen: 14.954 ppbv

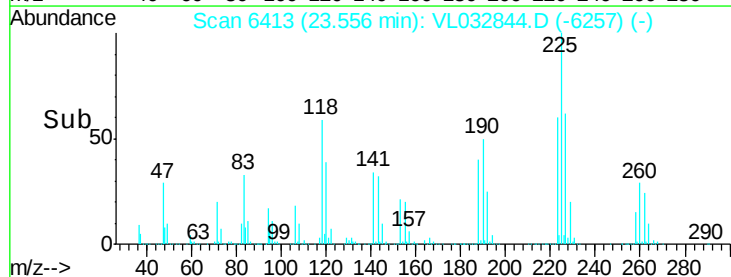
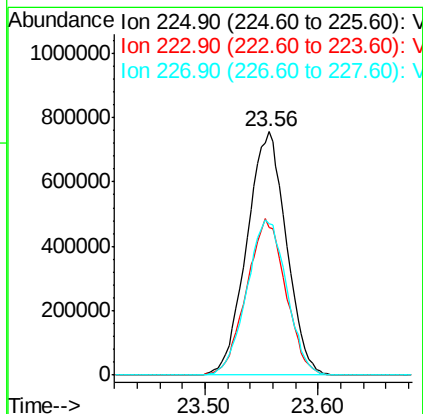
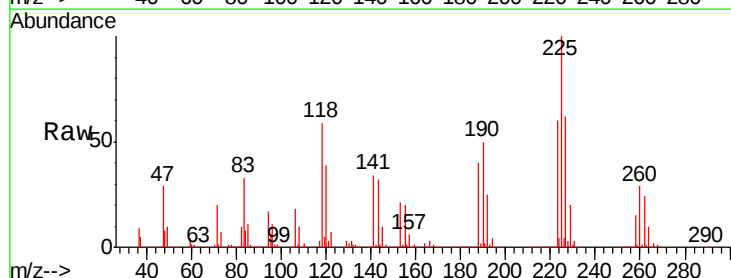
RT: 23.56 min Scan# 6413

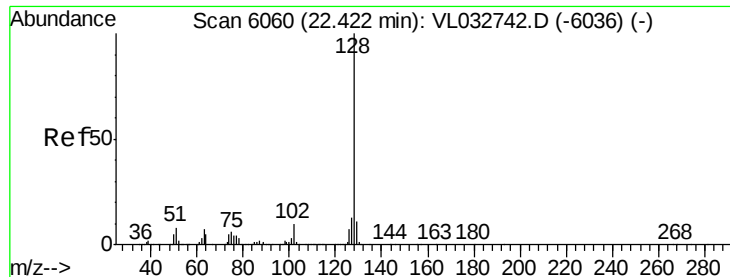
Delta R.T. 0.00 min

Lab File: VL032844.D

Acq: 29 Nov 2018 21:17

Tgt Ion:	225	Resp:	1834350
Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.3	75.5
227	64.4	50.2	75.4





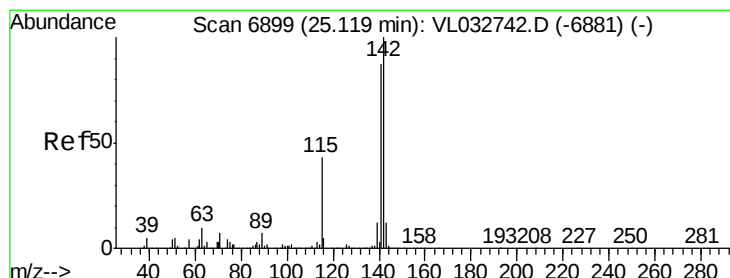
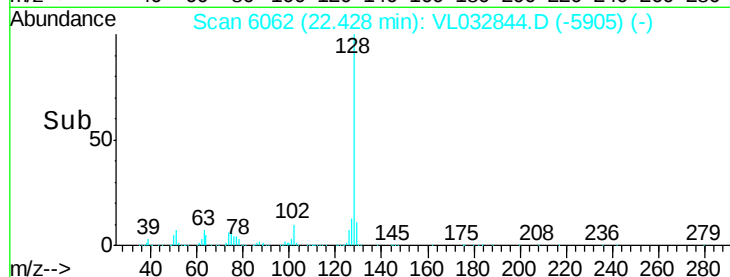
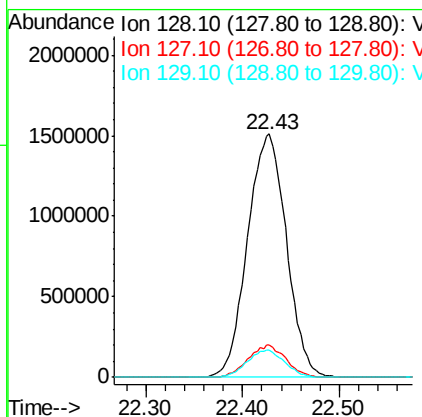
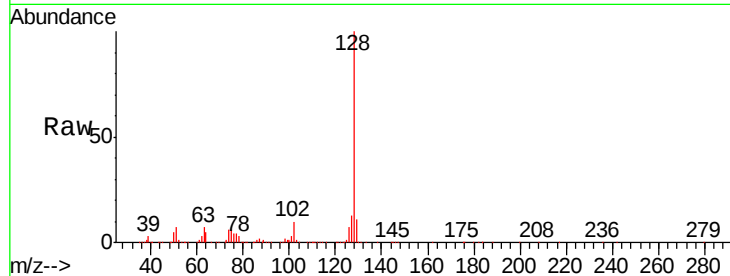
#79
Naphthalene
Concen: 14.969 ppbv
RT: 22.43 min Scan# 6062
Delta R.T. 0.01 min
Lab File: VL032844.D
Acq: 29 Nov 2018 21:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:128 Resp: 4211947
Ion Ratio Lower Upper
128 100
127 13.4 10.1 15.1
129 11.0 8.9 13.3

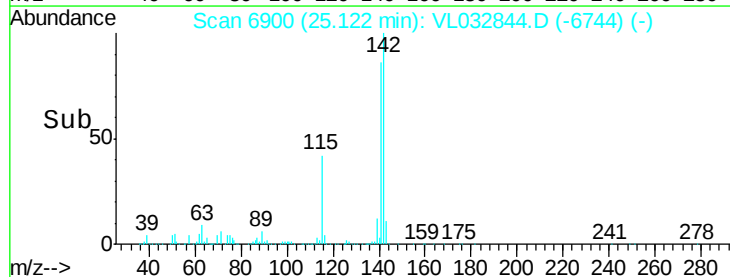
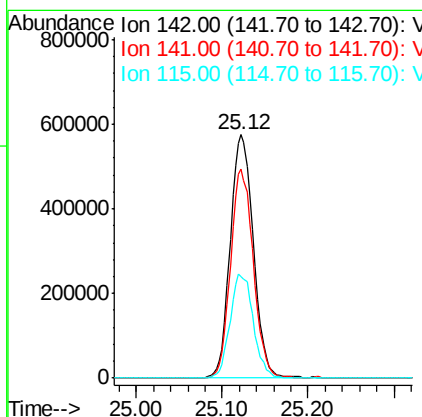
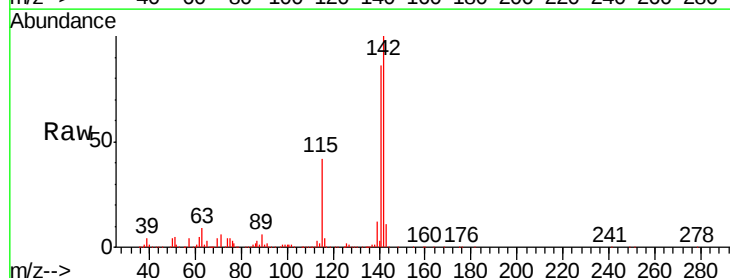
Manual Integrations
APPROVED

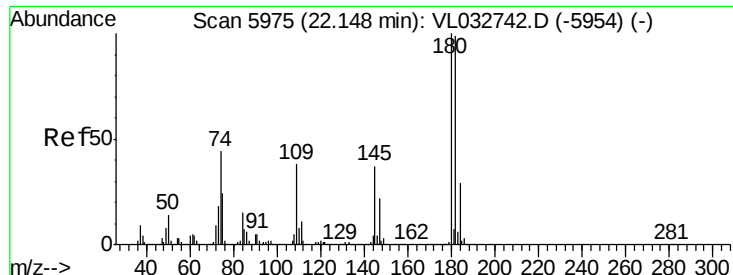
apatel
12/4/2018 8:39:07 AM



#80
Naphthalene, 2-methyl-
Concen: 15.235 ppbv
RT: 25.12 min Scan# 6900
Delta R.T. 0.00 min
Lab File: VL032844.D
Acq: 29 Nov 2018 21:17

Tgt Ion:142 Resp: 1073676
Ion Ratio Lower Upper
142 100
141 85.1 68.7 103.1
115 43.3 35.5 53.3





#81
 1,2,4-Trichlorobenzene
 Concen: 14.331 ppbv
 RT: 22.15 min Scan# 5975
 Delta R.T. -0.00 min
 Lab File: VL032844.D
 Acq: 29 Nov 2018 21:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	77.3	115.9
184	30.5	24.2	36.4

Manual Integrations
 APPROVED

apatel
 12/4/2018 8:39:07 AM

