

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081221\
 Data File : VL037418.D
 Acq On : 12 Aug 2021 17:18
 Operator : SY/AP
 Sample : VL0812ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0812ABS01

Manual Integrations
 APPROVED

apatel
 8/13/2021 11:07:01 AM

Quant Time: Aug 13 01:49:34 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081221AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 13 2021
 QLast Update : Fri Aug 13 01:37:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1360802	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4069042	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3752768m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2713119	10.08	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1900027	9.139	ppbv	99
3) Chlorodifluoromethane	2.99	51	2362517	8.841	ppbv	99
4) Chloromethane	3.14	50	869119	9.048	ppbv	99
5) Vinyl Chloride	3.26	62	867034	8.192	ppbv	99
6) Bromomethane	3.47	94	438614	7.991	ppbv	99
7) Chloroethane	3.56	64	309603	8.860	ppbv	88
8) Dichlorotetrafluoroethane	3.19	85	2118895	9.132	ppbv	100
9) Propene	3.01	41	819576	9.133	ppbv	98
10) Heptane	8.12	43	2059725	9.439	ppbv	99
11) Trichlorofluoromethane	3.95	101	2009392	8.932	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1484783	9.422	ppbv	97
13) Ethanol	3.61	45	82384	8.603	ppbv	100
14) Bromoethene	3.74	108	679259	9.690	ppbv	99
15) Acetone	3.85	43	1107886	7.677	ppbv	98
16) 1,3-Butadiene	3.33	39	860326	8.882	ppbv	97
17) tert-Butyl alcohol	4.29	59	1352021	9.815	ppbv	99
18) 1,1-Dichloroethene	4.29	96	691802	9.455	ppbv	91
19) Isopropyl Alcohol	3.98	45	757412	9.018	ppbv	# 1
20) Methylene Chloride	4.35	84	617813	8.096	ppbv	98
21) Allyl Chloride	4.41	41	1035736	9.159	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	647299	9.431	ppbv	97
23) Vinyl Acetate	5.07	43	2013649	9.093	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1524361	8.863	ppbv	99
25) Ethyl Acetate	5.68	43	3157229	9.180	ppbv	99
26) Hexane	5.69	57	1581653	8.911	ppbv	99
27) Carbon Disulfide	4.55	76	1639094	10.953	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	1759244	9.262	ppbv	99
29) Chloroform	5.75	83	2288121	9.156	ppbv	100
30) Cyclohexane	7.13	84	1343943	9.194	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1500884	9.783	ppbv	96
32) 1,1,1-Trichloroethane	6.51	97	2215397	8.784	ppbv	99
34) 2-Butanone	5.24	43	1441656	8.582	ppbv	96
35) Carbon Tetrachloride	7.02	117	2343077	9.338	ppbv	100
36) Benzene	6.89	78	3260610	9.503	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1617882	9.240	ppbv	98
38) Trichloroethene	7.84	130	1274604	8.417	ppbv	94
39) 1,2-Dichloropropane	7.62	63	1231519	9.422	ppbv	97
40) 1,4-Dioxane	7.84	88	262678	8.258	ppbv	# 100
41) Tetrahydrofuran	6.06	42	738601	9.574	ppbv	98
42) Bromodichloromethane	7.79	83	2410126	9.830	ppbv	97
43) Methyl Methacrylate	8.02	69	1152295	9.909	ppbv	98

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Quant Time: Aug 13 01:49:34 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5324755	9.282	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	785520	9.090	ppbv	92
46) cis-1,3-Dichloropropene	8.70	75	1045502	8.667	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1299996	9.201	ppbv	97
48) Dibromochloromethane	10.31	129	2122218	10.410	ppbv	100
49) Bromoform	13.04	173	1585179	10.262	ppbv	93
50) 4-Methyl-2-Pentanone	8.75	43	2135616	10.105	ppbv	100
51) 2-Hexanone	10.15	43	1022578m	10.284	ppbv	
52) Tetrachloroethene	11.22	164	1199188	8.296	ppbv	97
53) Toluene	9.81	91	3753220	9.581	ppbv	99
54) 1,2-Dibromoethane	10.61	107	1834583	9.540	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.12	131	1404227	9.400	ppbv #	56
57) Chlorobenzene	12.15	112	2661463	8.751	ppbv	97
58) Ethyl Benzene	12.71	91	4755958	9.342	ppbv	100
59) m/p-Xylene	13.00	91	8000267m	17.890	ppbv	
60) o-Xylene	13.69	91	3633892	8.747	ppbv	99
61) Styrene	13.53	104	2028221	9.663	ppbv	98
62) Isopropylbenzene	14.67	105	5253939	8.843	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2657027	8.481	ppbv	99
64) n-propylbenzene	15.56	120	1353334	9.052	ppbv	98
65) tert-Butylbenzene	16.74	119	4654749	8.688	ppbv	100
66) Benzyl Chloride	16.98	91	211399m	8.623	ppbv	
67) sec-Butylbenzene	17.29	105	6386807	8.761	ppbv	100
69) p-Isopropyltoluene	17.65	119	5404045	9.032	ppbv	100
70) n-Butylbenzene	18.55	91	5214788	9.377	ppbv	99
71) 2-Chlorotoluene	15.45	91	3805509	9.056	ppbv	99
72) 4-Ethyltoluene	15.84	105	4453815	9.236	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	3956495	8.678	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	4209383	9.018	ppbv	99
75) 1,3-Dichlorobenzene	17.00	146	2485774	8.702	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2411297	8.515	ppbv	98
77) 1,2-Dichlorobenzene	17.82	146	2386687	8.684	ppbv	100
78) Hexachloro-1,3-Butadiene	23.37	225	1825467	8.200	ppbv	100
79) Naphthalene	22.20	128	3092407	12.190	ppbv	98
80) Naphthalene, 2-methyl-	24.97	142	788562	14.717	ppbv	96
81) 1,2,4-Trichlorobenzene	21.92	180	1849918	10.733	ppbv	99

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

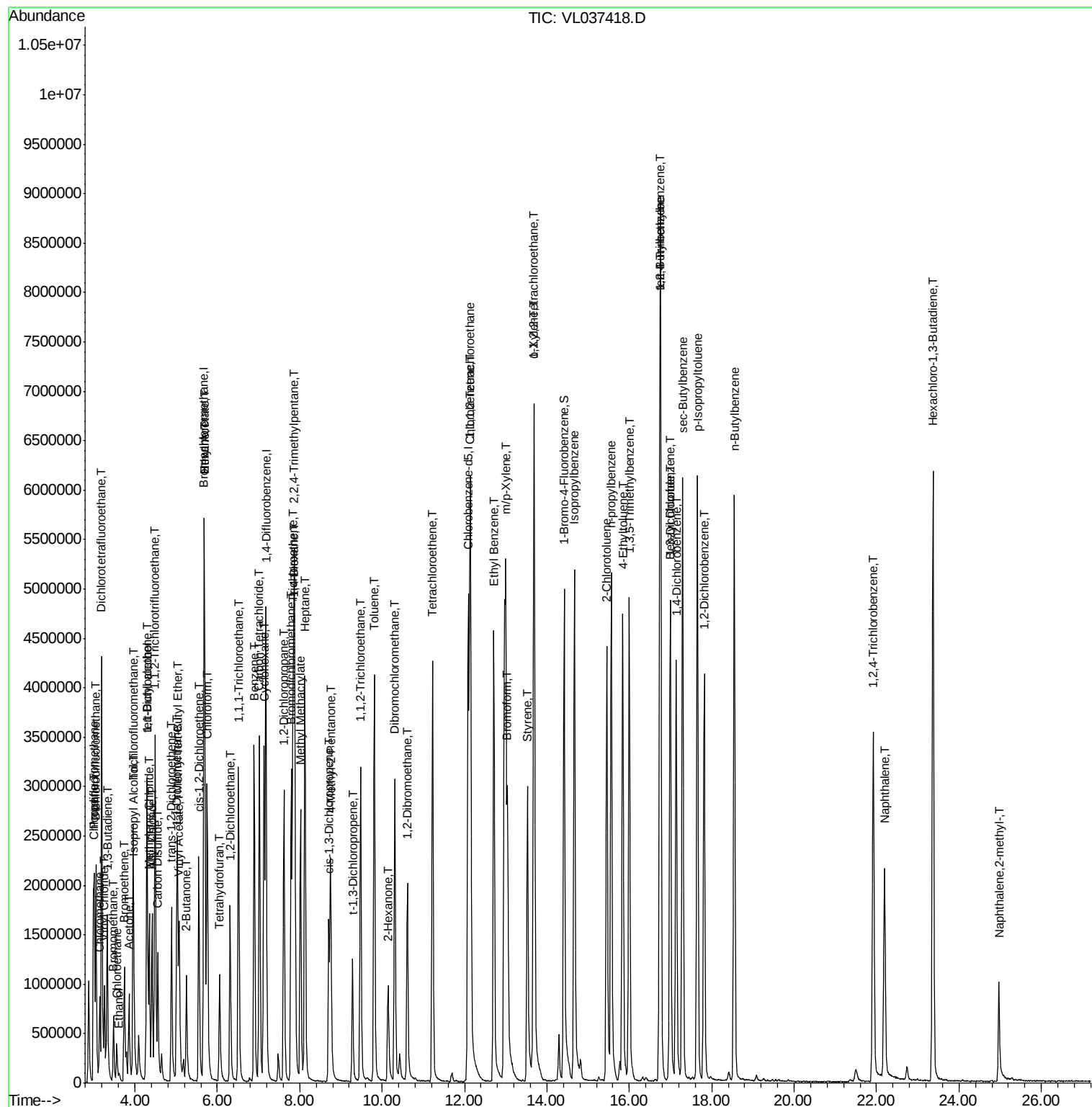
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081221\
Data File : VL037418.D
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Operator : SY/AP
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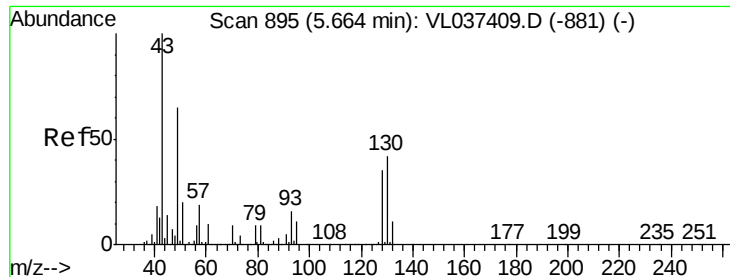
Instrument :
MSVOA_L
ClientSampleId :
VL0812ABS01

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.00 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

Instrument :

MSVOA_L

ClientSampleId :

VL0812ABS01

Tot Ion: 49 Resp: 1360802

Ion Ratio Lower Upper

49 100

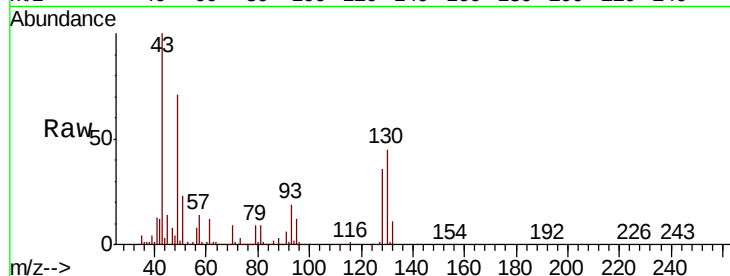
128 56.2 27.9 83.6

130 67.9 34.6 103.8

Manual Integrations
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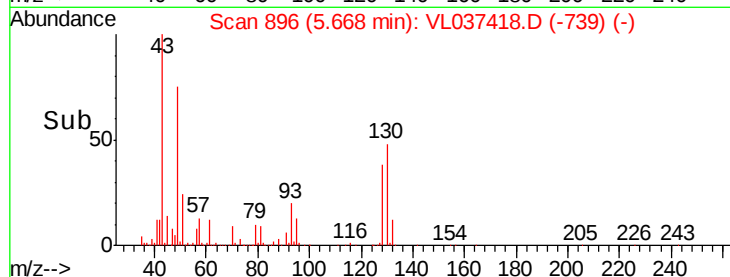
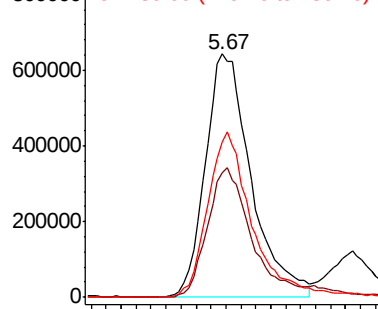
8/13/2021 11:07:01 AM



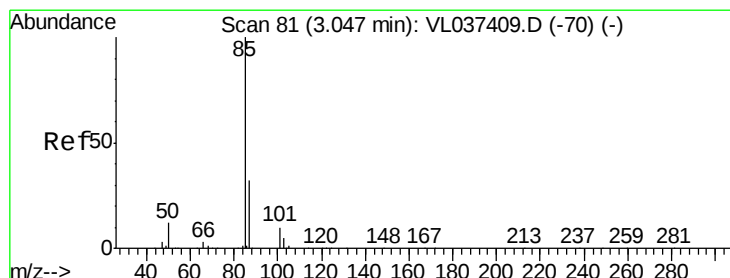
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 9.139 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL037418.D

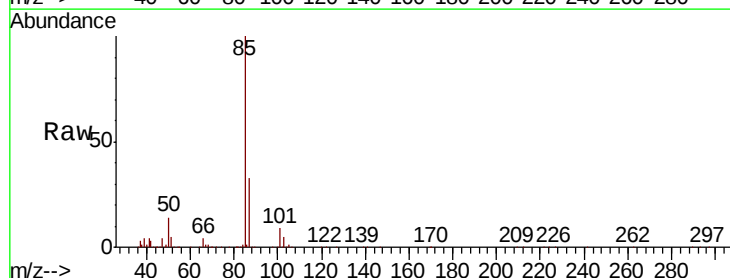
Acq: 12 Aug 2021 17:18

Tgt Ion: 85 Resp: 1900027

Ion Ratio Lower Upper

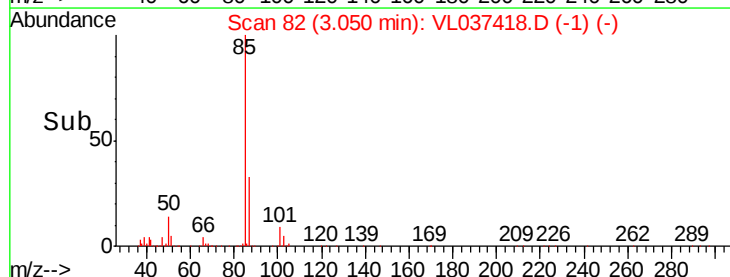
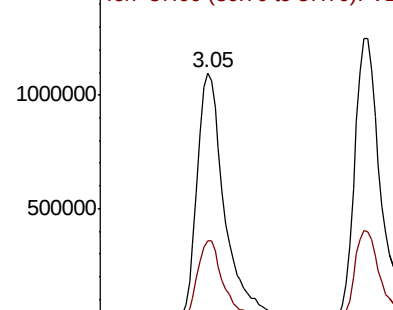
85 100

87 32.5 25.7 38.5

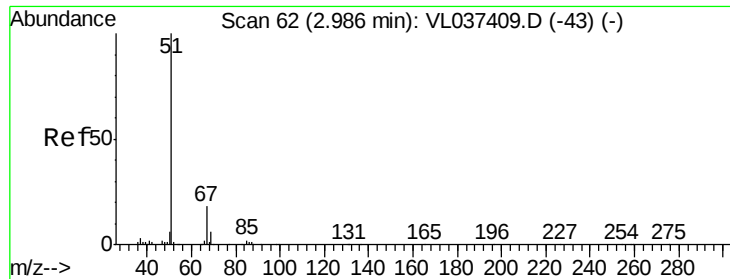


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



Time-->



#3

Chlorodifluoromethane

Concen: 8.841 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.00 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

Instrument :

MSVOA_L

ClientSampleId :

VL0812ABS01

Tot Ion: 51 Resp: 2362517

Ion Ratio Lower Upper

51 100

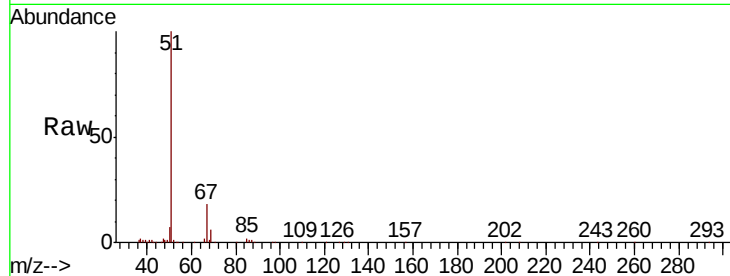
67 18.0 14.7 22.1

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

1500000

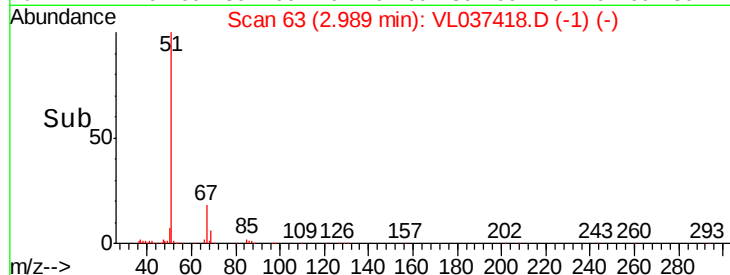
1000000

500000

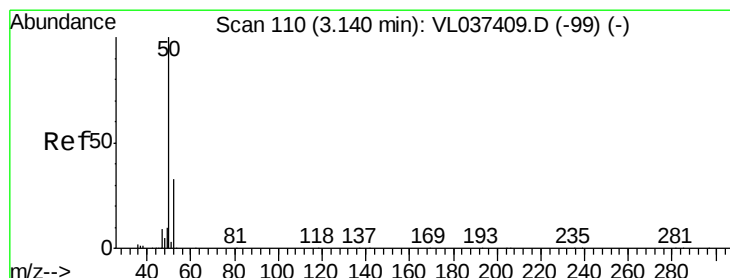
0

2.99

2.90 3.00 3.10



Time-->



#4

Chloromethane

Concen: 9.048 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL037418.D

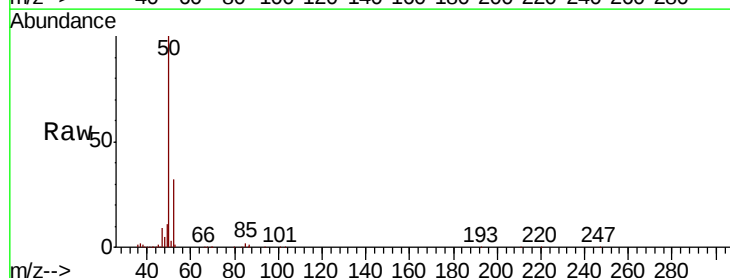
Acq: 12 Aug 2021 17:18

Tgt Ion: 50 Resp: 869119

Ion Ratio Lower Upper

50 100

52 32.1 26.2 39.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

600000

500000

400000

300000

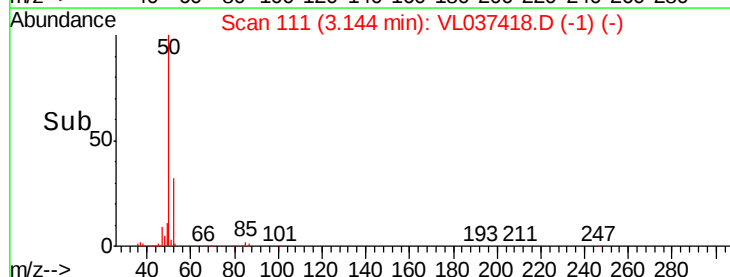
200000

100000

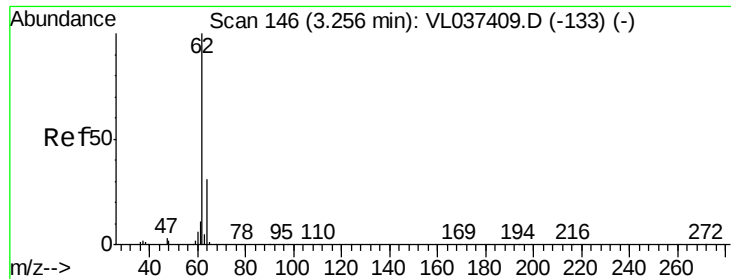
0

3.14

3.10 3.15



Time-->



#5

Vinyl Chloride

Concen: 8.192 ppbv

RT: 3.26 min Scan# 148

Delta R.T. 0.01 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

Instrument :

MSVOA_L

ClientSampleID :

VL0812ABS01

Tot Ion: 62 Resp: 867034

Ion Ratio Lower Upper

62 100

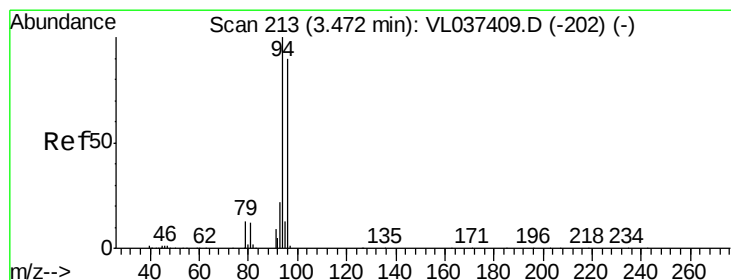
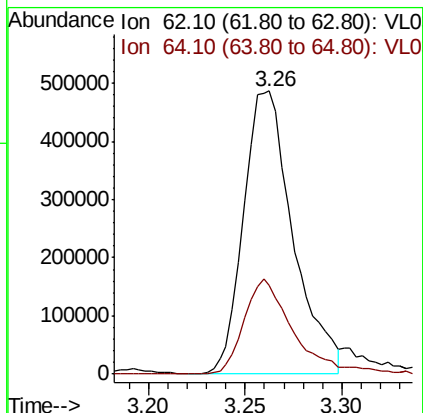
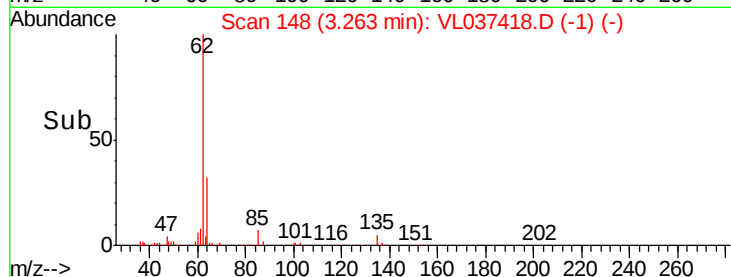
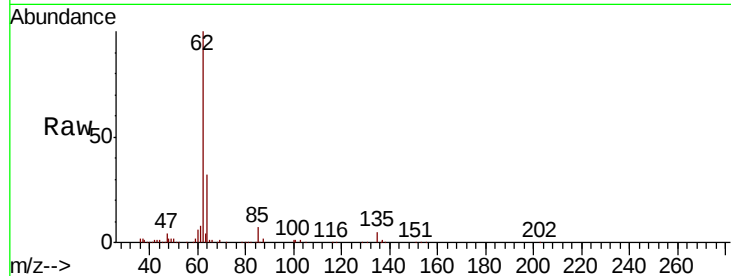
64 31.6 25.0 37.6

Manual Integrations

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#6

Bromomethane

Concen: 7.991 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL037418.D

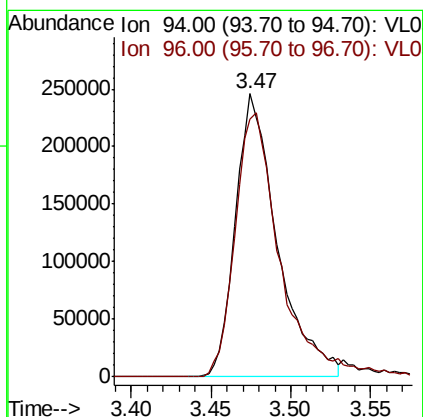
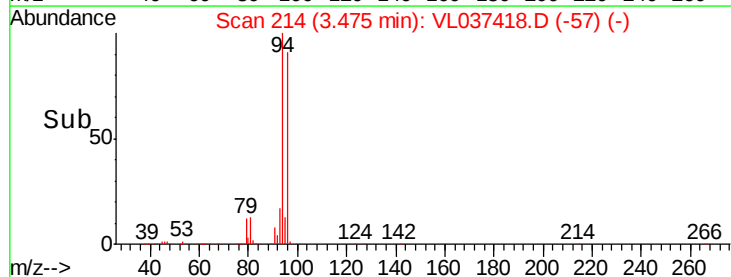
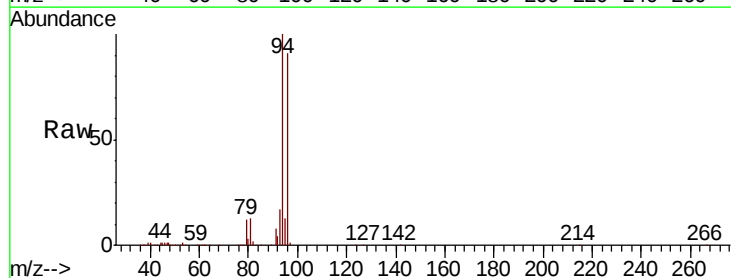
Acq: 12 Aug 2021 17:18

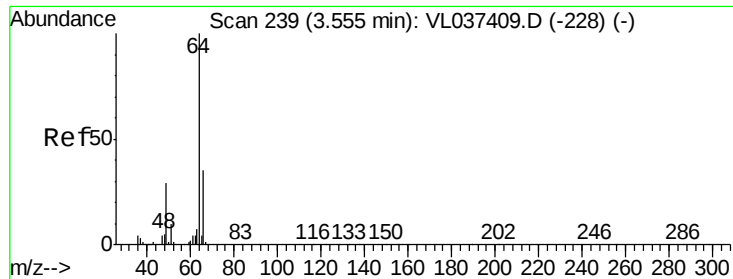
Tgt Ion: 94 Resp: 438614

Ion Ratio Lower Upper

94 100

96 91.1 72.2 108.4





#7

Chloroethane

Concen: 8.860 ppbv

RT: 3.56 min Scan# 240

Delta R.T. 0.00 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

Instrument :

MSVOA_L

ClientSampleId :

VL0812ABS01

Tot Ion: 64 Resp: 309603

Ion Ratio Lower Upper

64 100

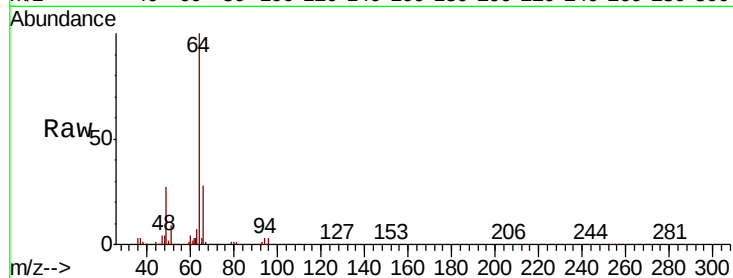
66 27.9 27.8 41.8

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.56

200000

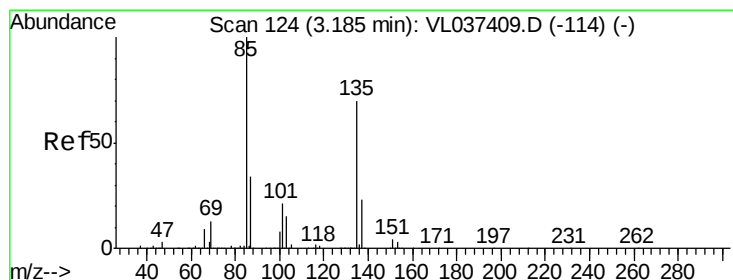
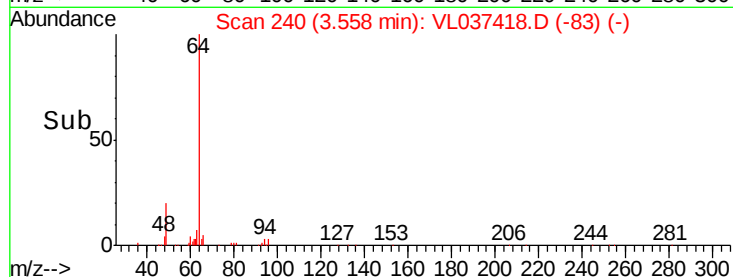
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.132 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.00 min

Lab File: VL037418.D

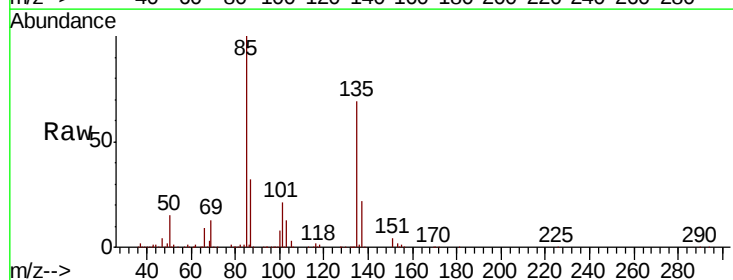
Acq: 12 Aug 2021 17:18

Tgt Ion: 85 Resp: 2118895

Ion Ratio Lower Upper

85 100

135 72.9 58.6 88.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

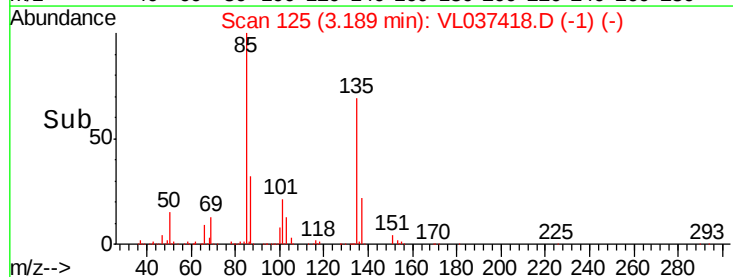
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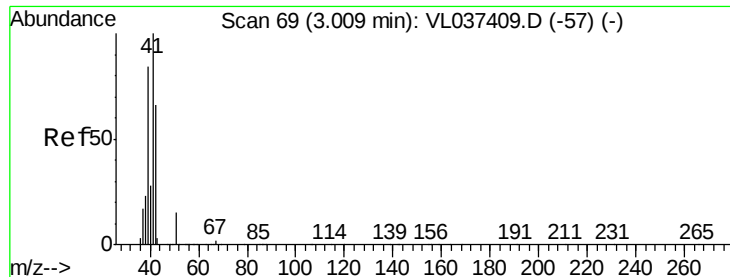
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500000

0

Time-->





#9

Propene

Concen: 9.133 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.00 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

Instrument :

MSVOA_L

ClientSampleId :

VL0812ABS01

Tot Ion: 41 Resp: 819576

Ion Ratio Lower Upper

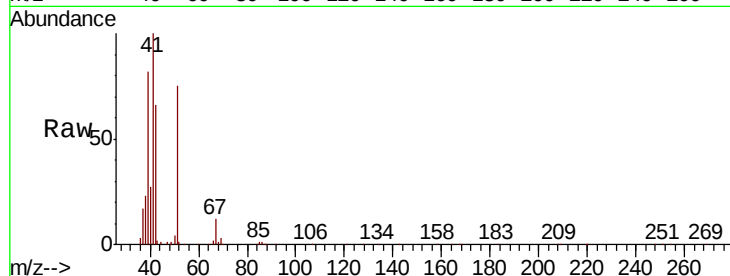
41 100

42 69.0 53.8 80.8

Manual Integrations
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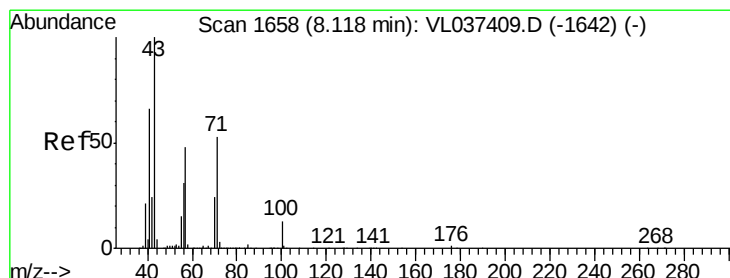
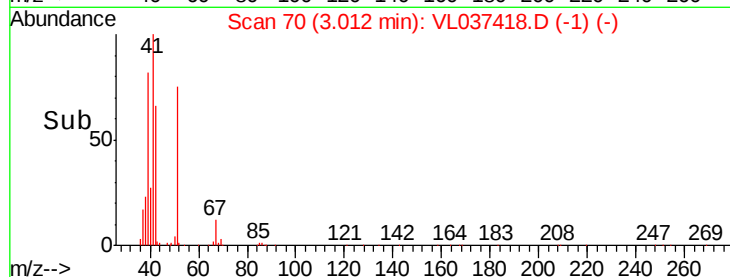
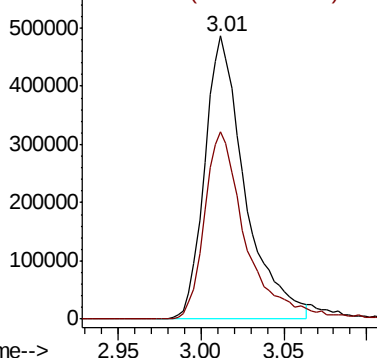
apatel

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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.439 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VL037418.D

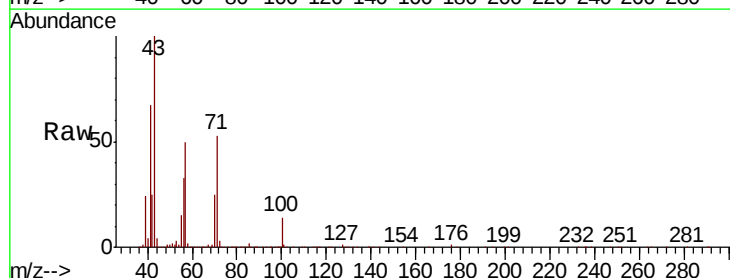
Acq: 12 Aug 2021 17:18

Tgt Ion: 43 Resp: 2059725

Ion Ratio Lower Upper

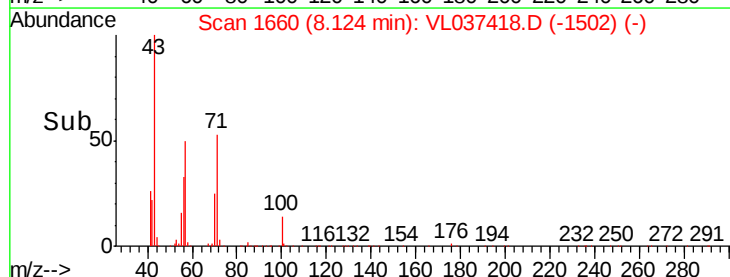
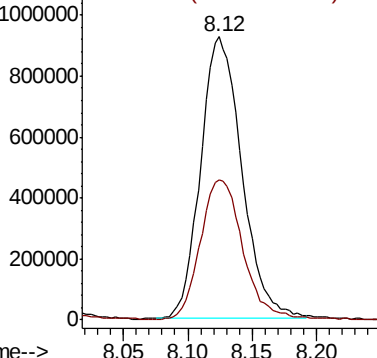
43 100

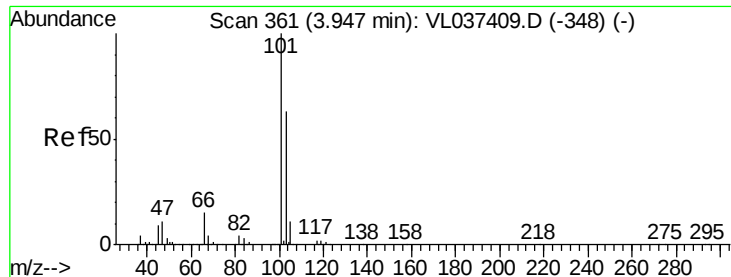
57 50.9 40.3 60.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





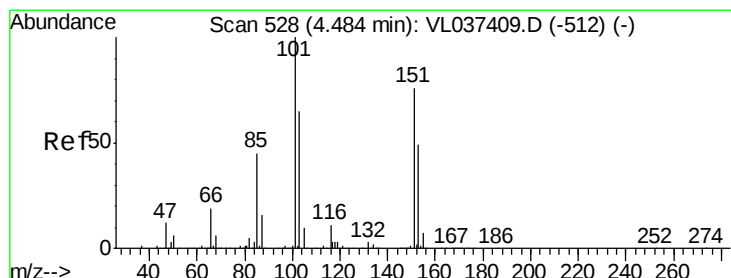
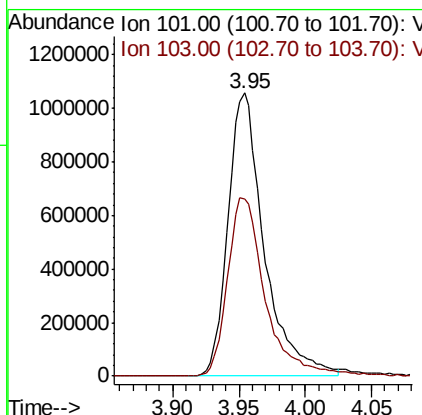
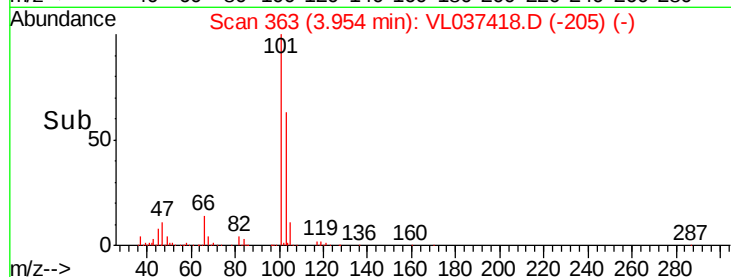
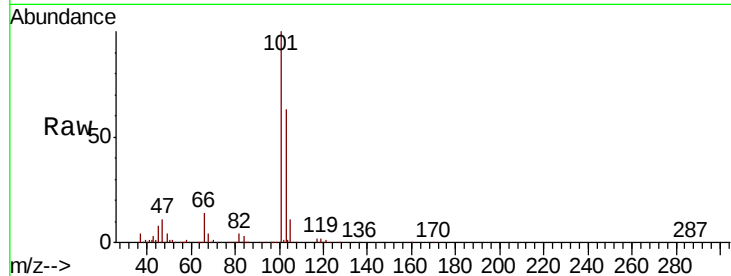
#11
 Trichlorofluoromethane
 Concen: 8.932 ppbv
 RT: 3.95 min Scan# 363
 Delta R.T. 0.01 min
 Lab File: VL037418.D
 Acq: 12 Aug 2021 17:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0812ABS01

Tot Ion:101 Resp: 2009392
 Ion Ratio Lower Upper
 101 100
 103 62.6 50.2 75.4

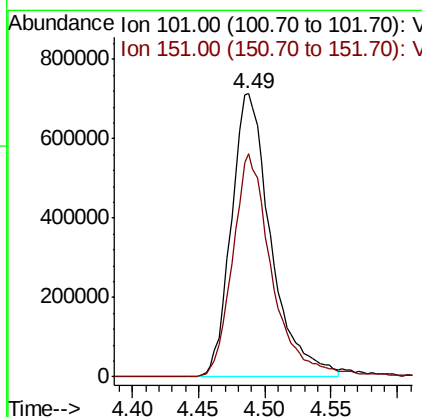
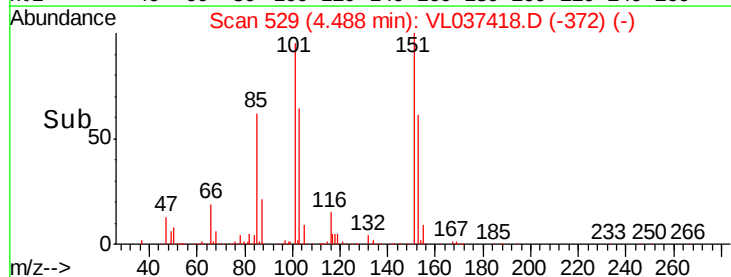
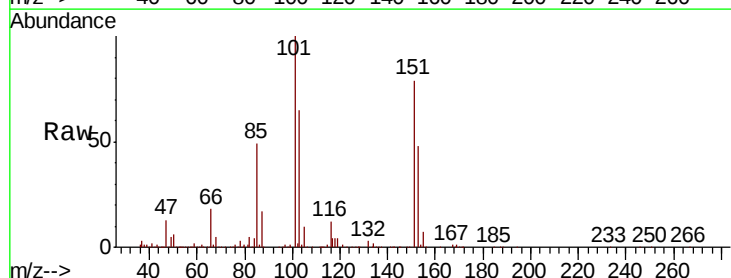
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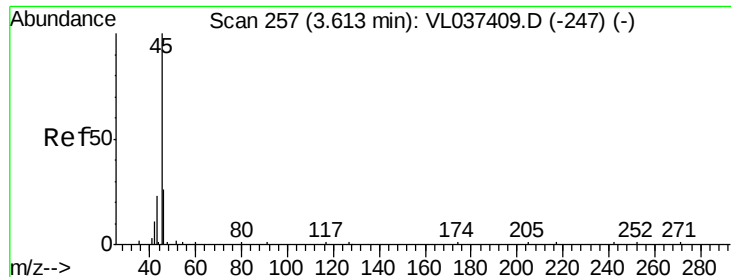
apatel
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.422 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VL037418.D
 Acq: 12 Aug 2021 17:18

Tgt Ion:101 Resp: 1484783
 Ion Ratio Lower Upper
 101 100
 151 78.7 61.2 91.8





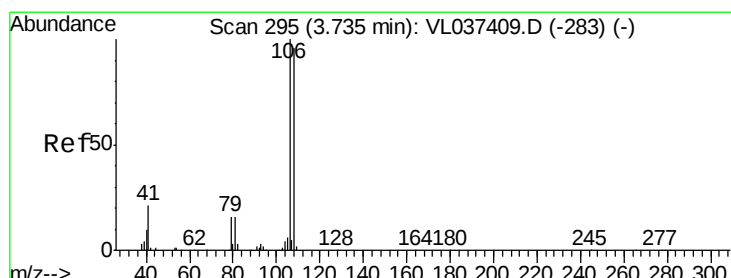
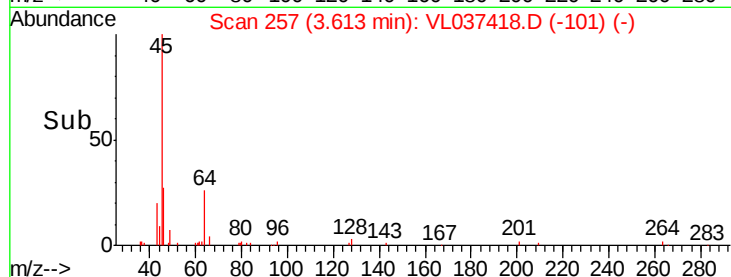
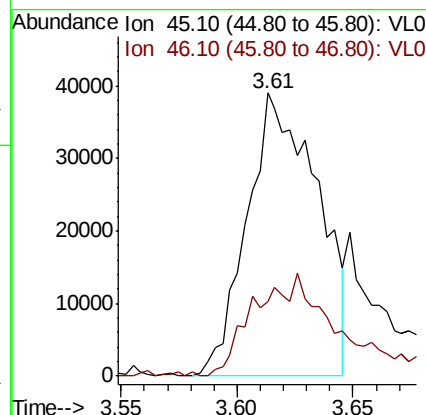
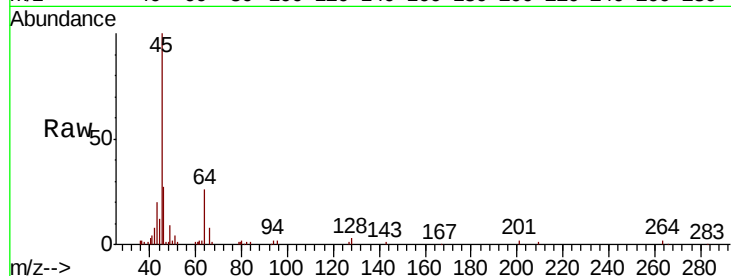
#13
Ethanol
Concen: 8.603 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.00 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

Instrument :
MSVOA_L
ClientSampleId :
VL0812ABS01

Tot Ion	45	Resp	82384
Ion Ratio	100	Lower	Upper
45	100		
46	45.1	18.0	72.2

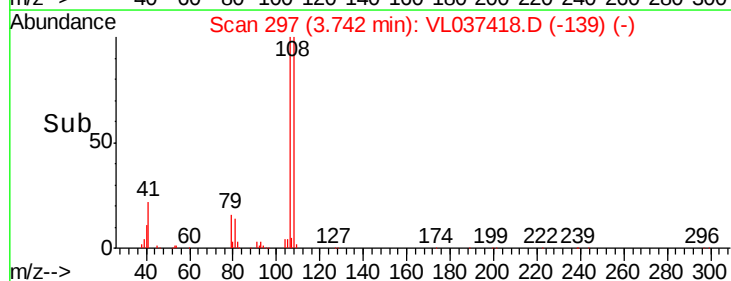
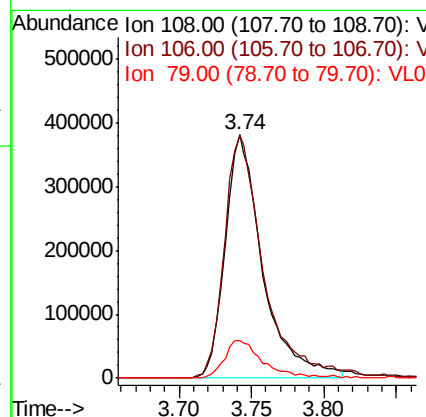
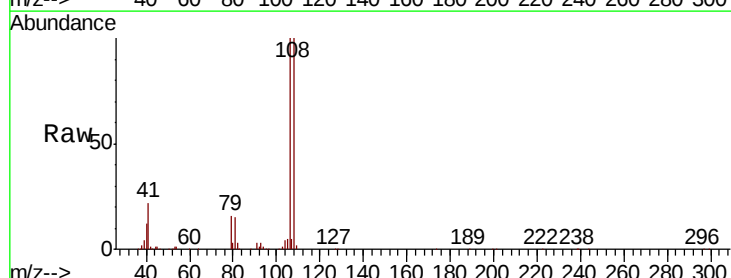
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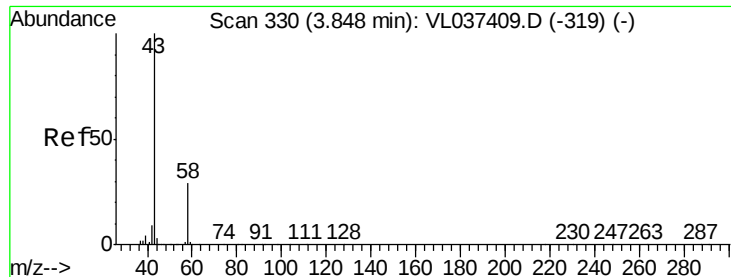
apatel
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#14
Bromoethene
Concen: 9.690 ppbv
RT: 3.74 min Scan# 297
Delta R.T. 0.01 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

Tgt Ion	108	Resp	679259
Ion Ratio	100	Lower	Upper
108	100		
106	107.8	87.5	131.3
79	16.6	13.5	20.3





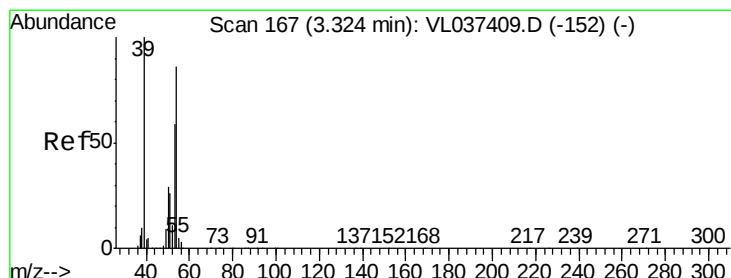
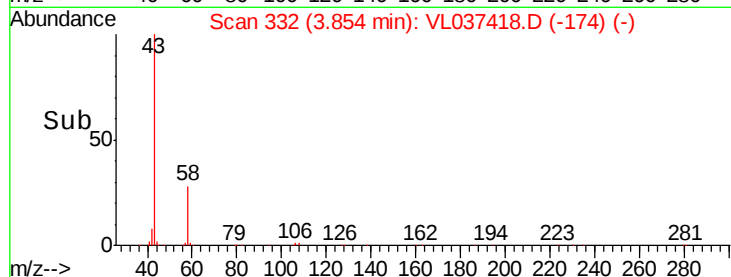
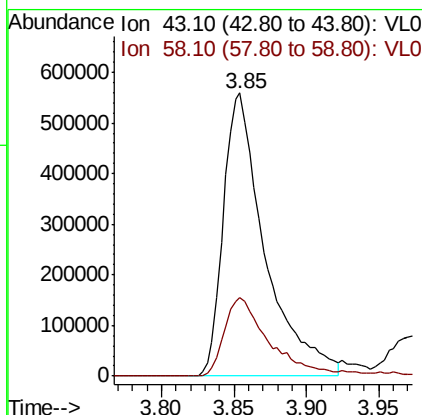
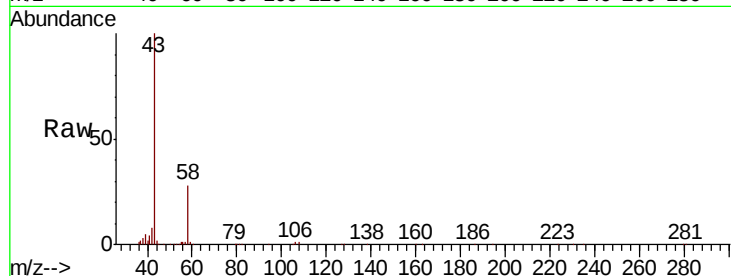
#15
Acetone
Concen: 7.677 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.01 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

Instrument :
MSVOA_L
ClientSampleId :
VL0812ABS01

Tot Ion: 43 Resp: 1107886
Ion Ratio Lower Upper
43 100
58 31.5 24.4 36.6

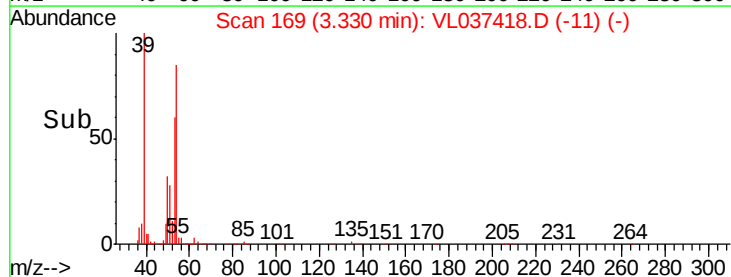
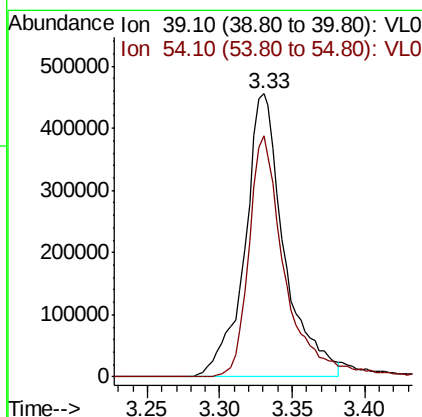
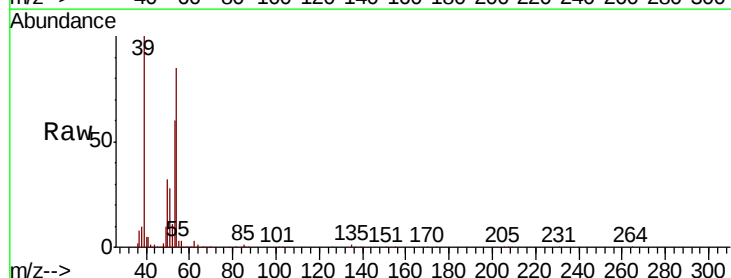
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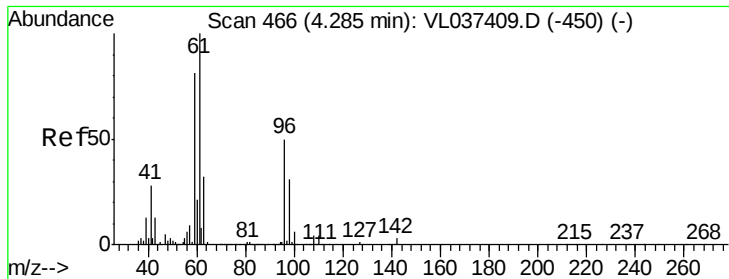
apatel
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#16
1,3-Butadiene
Concen: 8.882 ppbv
RT: 3.33 min Scan# 169
Delta R.T. 0.01 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

Tgt Ion: 39 Resp: 860326
Ion Ratio Lower Upper
39 100
54 79.3 61.4 92.0





#17

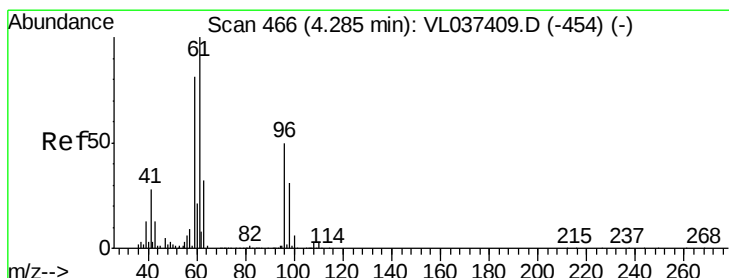
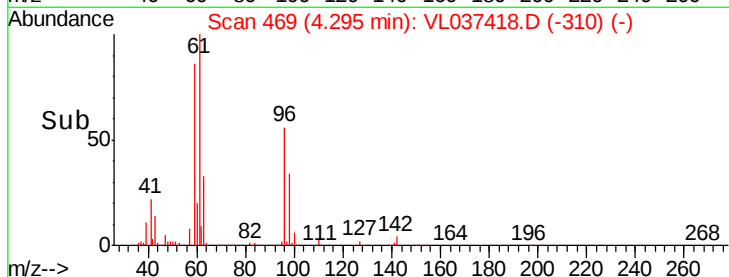
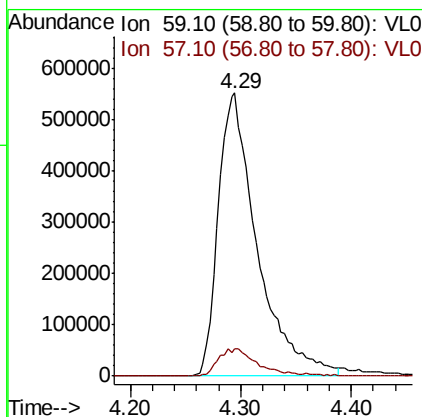
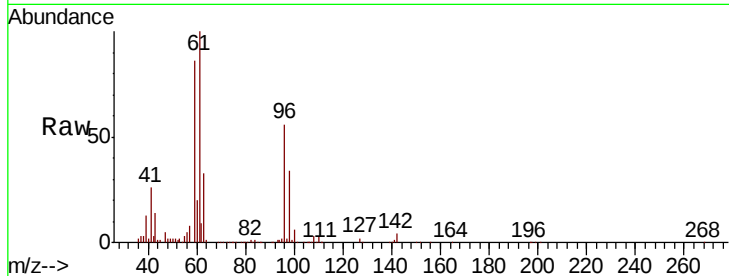
tert-Butyl alcohol
Concen: 9.815 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.01 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

Instrument :
MSVOA_L
ClientSampleId :
VL0812ABS01

Tot Ion: 59 Resp: 1352021
Ion Ratio Lower Upper
59 100
57 10.2 8.5 12.7

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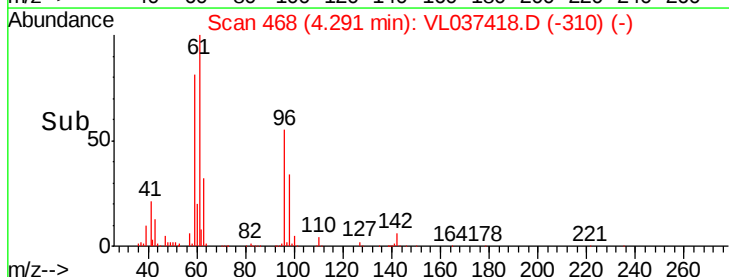
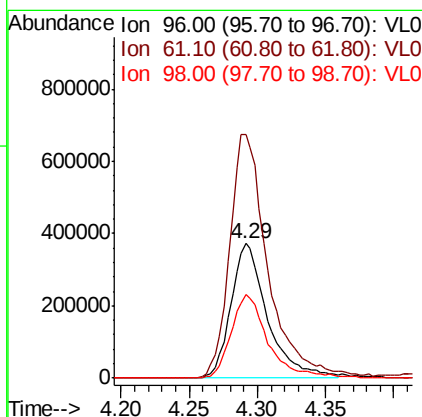
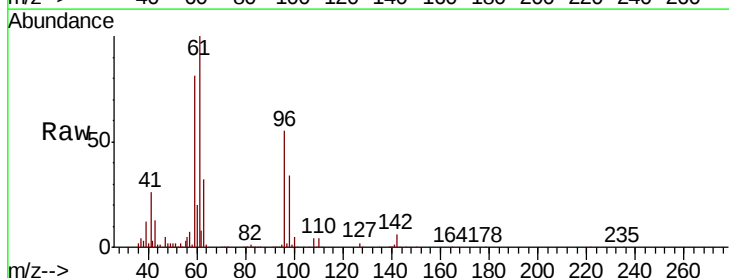
apatel
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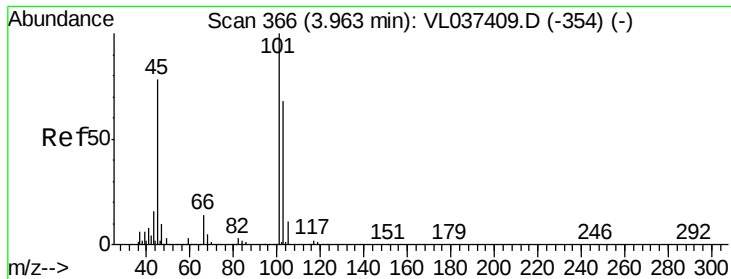


#18

1,1-Dichloroethene
Concen: 9.455 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.01 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

Tgt Ion: 96 Resp: 691802
Ion Ratio Lower Upper
96 100
61 180.8 159.0 238.4
98 61.7 49.4 74.2





#19

Isopropyl Alcohol

Concen: 9.018 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.01 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

Instrument :

MSVOA_L

ClientSampleId :

VL0812ABS01

Tot Ion: 45 Resp: 757412

Ion Ratio Lower Upper

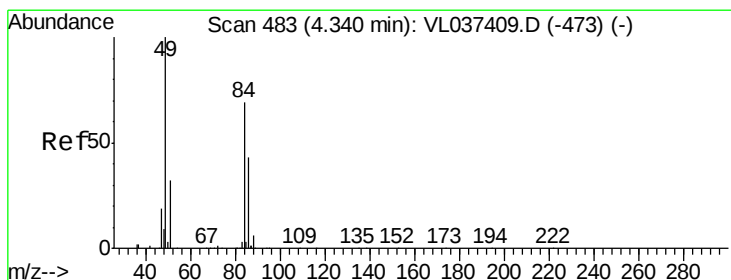
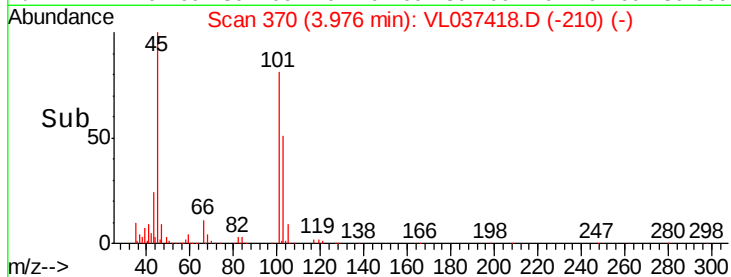
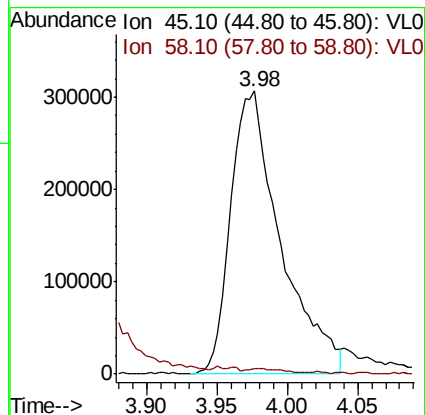
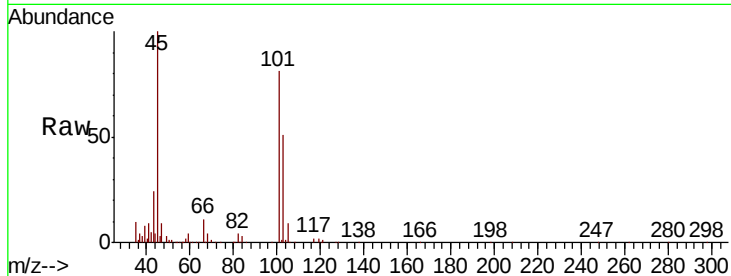
45 100

58 46.1 2.2 3.4#

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#20

Methylene Chloride

Concen: 8.096 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.01 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

Tgt Ion: 84 Resp: 617813

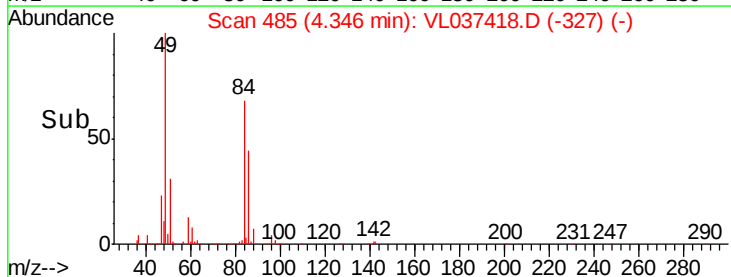
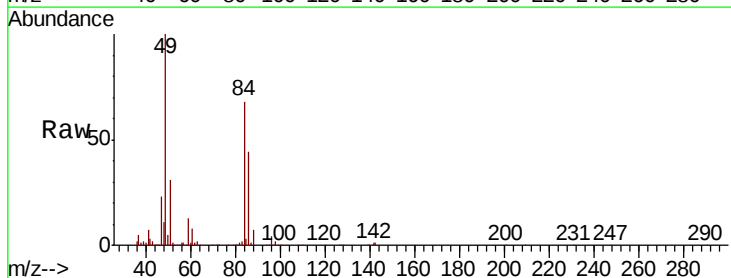
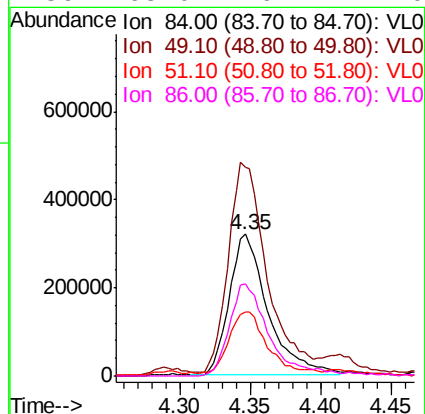
Ion Ratio Lower Upper

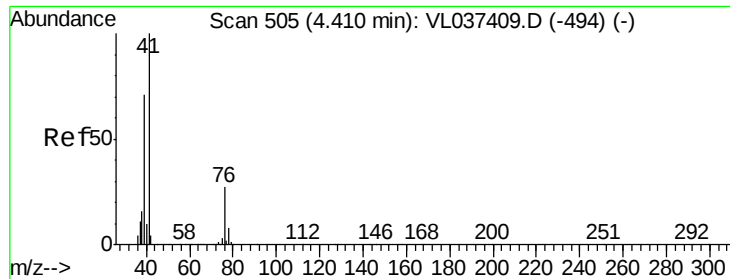
84 100

49 145.5 116.0 174.0

51 42.8 37.1 55.7

86 65.0 49.4 74.0





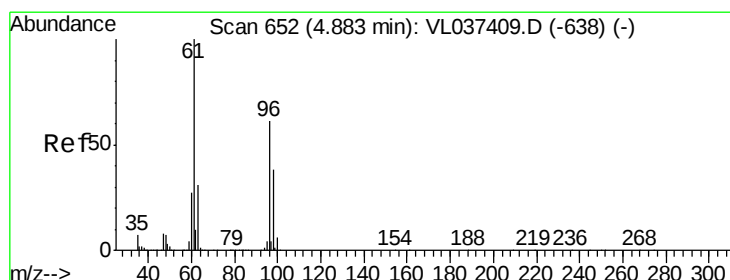
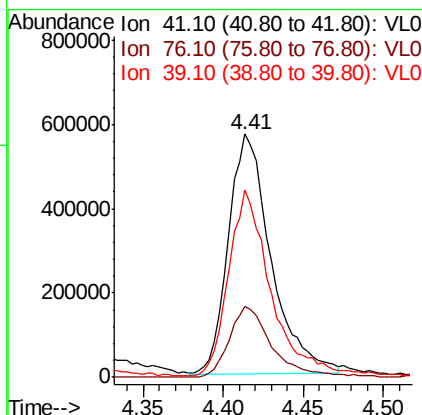
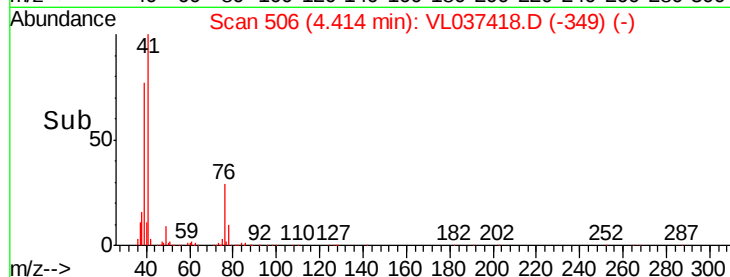
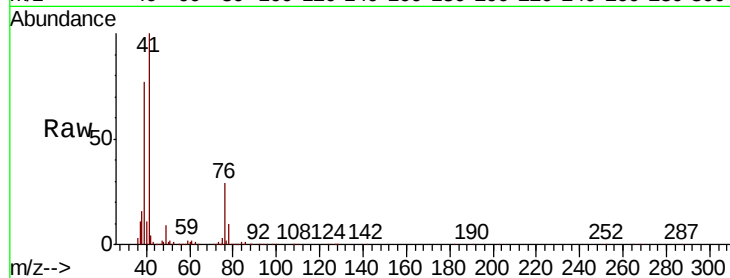
#21
Allvl Chloride
Concen: 9.159 ppbv
RT: 4.41 min Scan# 506
Delta R.T. 0.00 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

Instrument :
MSVOA_L
ClientSampleId :
VL0812ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	30.1	23.7	35.5
39	77.6	62.3	93.5

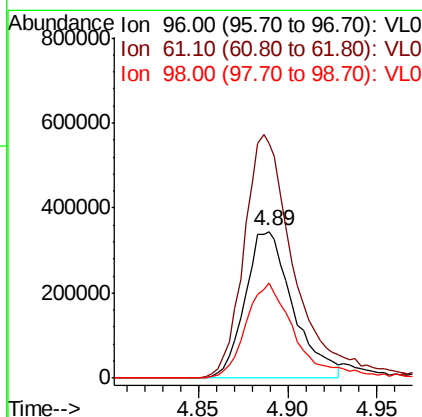
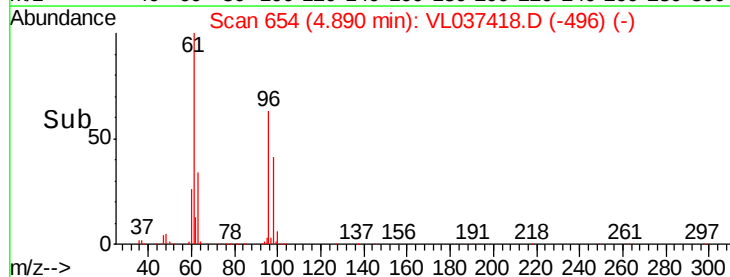
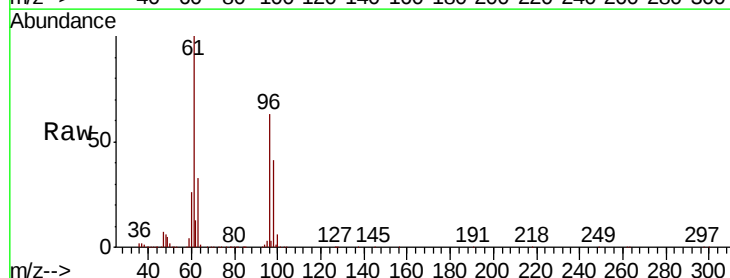
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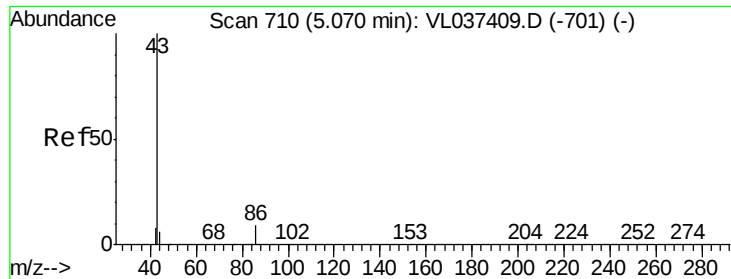
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#22
trans-1,2-Dichloroethene
Concen: 9.431 ppbv
RT: 4.89 min Scan# 654
Delta R.T. 0.01 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.3	131.0	196.4
98	65.1	50.2	75.4





#23

Vinyl Acetate

Concen: 9.093 ppbv

RT: 5.07 min Scan# 711

Delta R.T. 0.00 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

Instrument :

MSVOA_L

ClientSampleId :

VL0812ABS01

Tot Ion: 43 Resp: 2013649

Ion Ratio Lower Upper

43 100

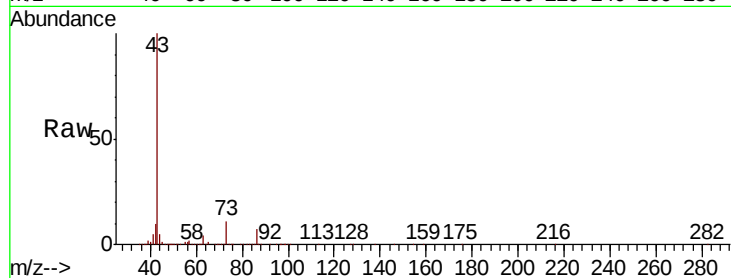
86 6.9 5.8 8.8

42 9.4 7.7 11.5

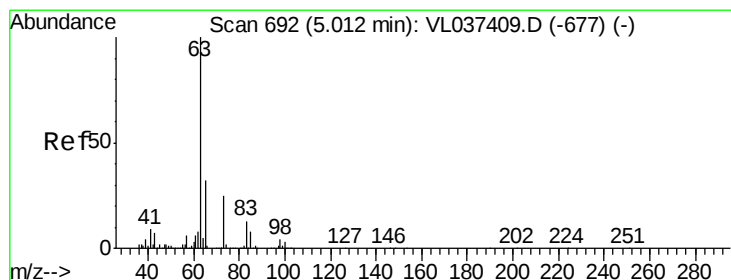
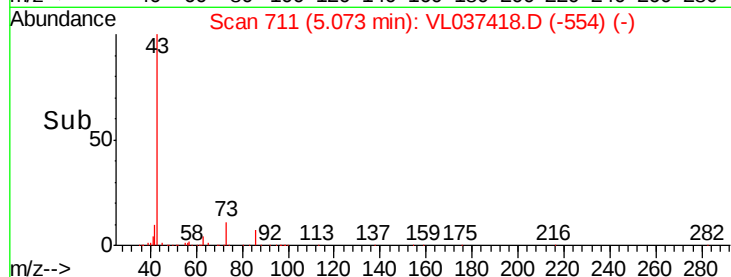
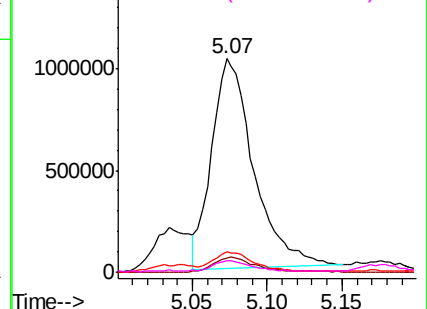
44 4.8 4.0 6.0

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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: 8.863 ppbv

RT: 5.01 min Scan# 692

Delta R.T. 0.00 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

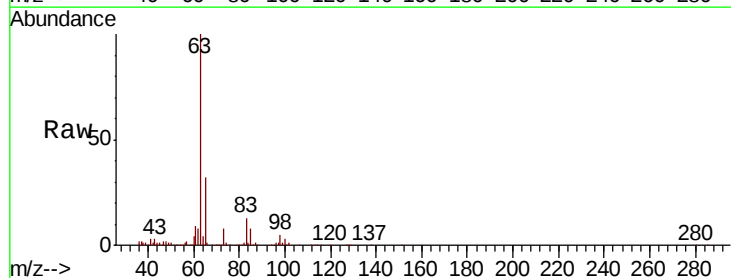
Tgt Ion: 63 Resp: 1524361

Ion Ratio Lower Upper

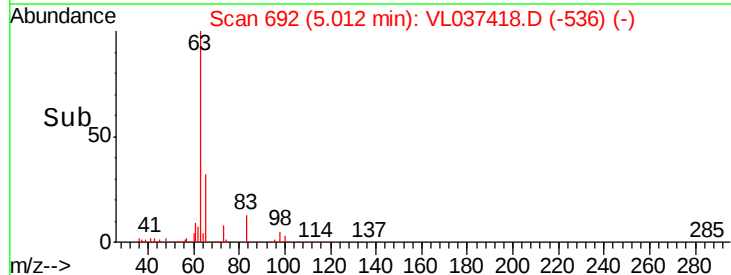
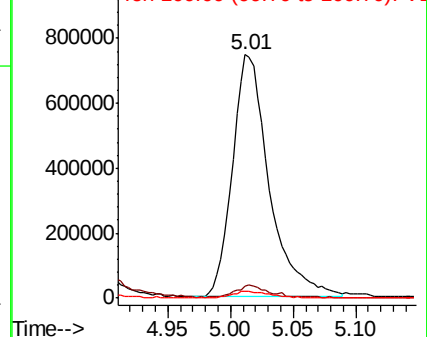
63 100

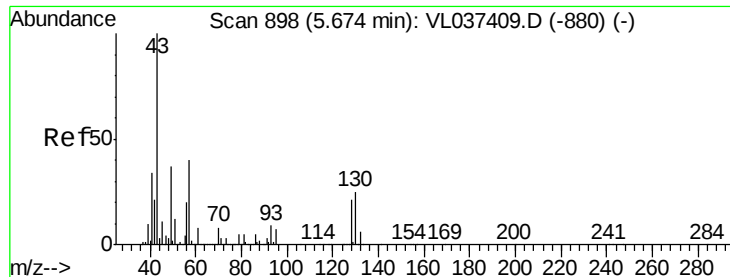
98 4.6 2.1 6.3

100 2.9 1.6 4.7



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





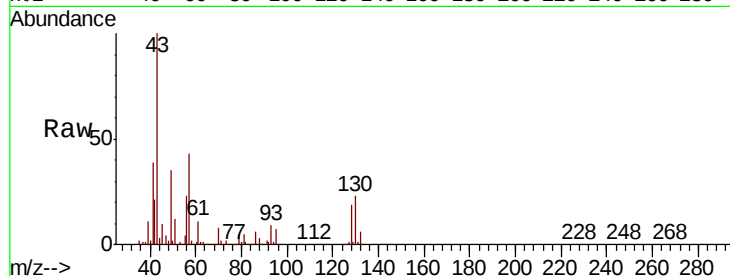
#25
Ethyl Acetate
Concen: 9.180 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

Instrument :
MSVOA_L
ClientSampleId :
VL0812ABS01

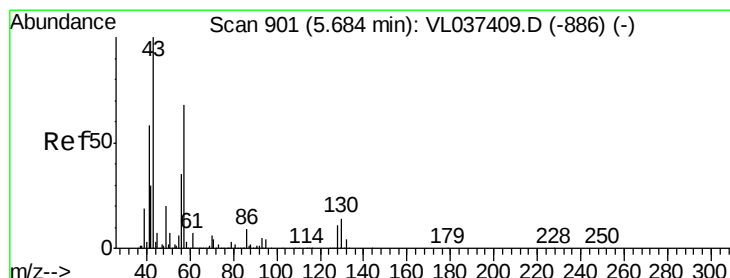
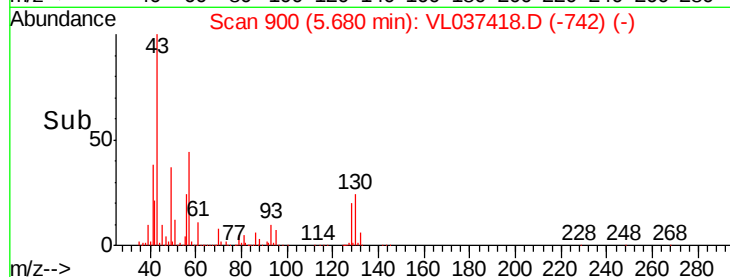
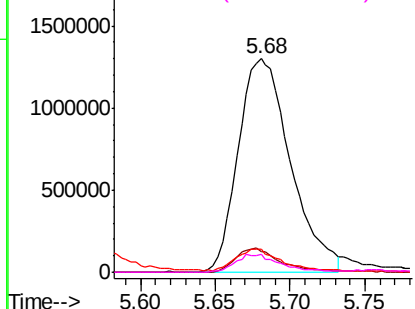
Tot Ion	Ratio	Lower	Upper
43	100		
45	10.2	7.9	11.9
61	10.0	7.7	11.5
70	7.3	5.8	8.6

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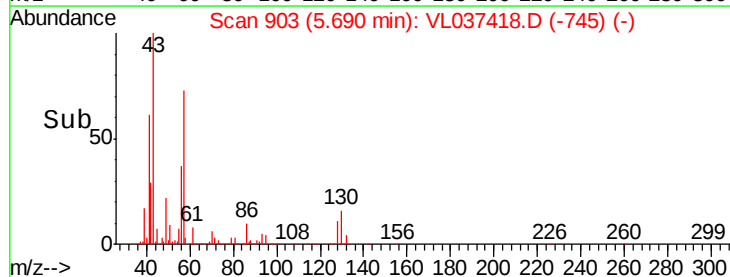
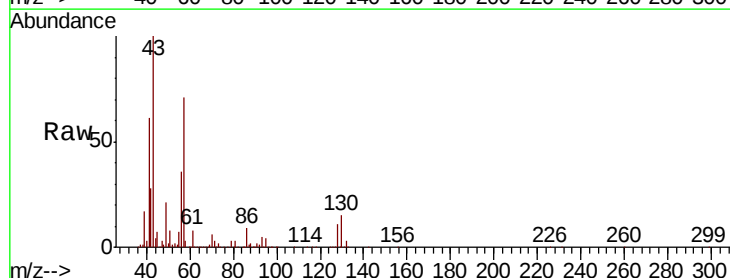
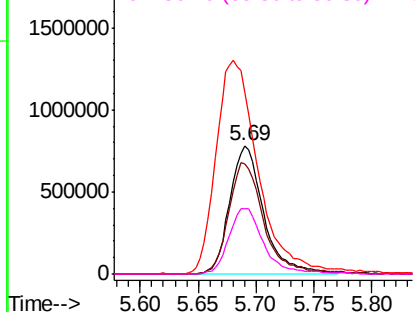
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

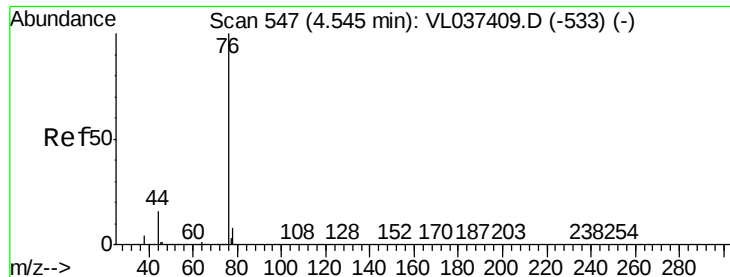


#26
Hexane
Concen: 8.911 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.01 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

Tgt Ion	Ratio	Lower	Upper
57	100		
41	90.7	72.5	108.7
43	210.5	169.3	253.9
56	53.3	42.3	63.5

Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.953 ppbv

RT: 4.55 min Scan# 549

Delta R.T. 0.01 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

Instrument :

MSVOA_L

ClientSampleId :

VL0812ABS01

Tot Ion: 76 Resp: 1639094

Ion Ratio Lower Upper

76 100

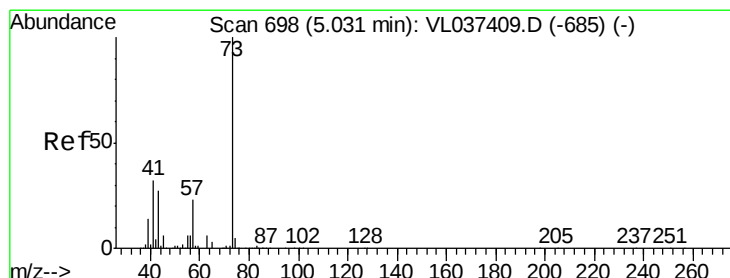
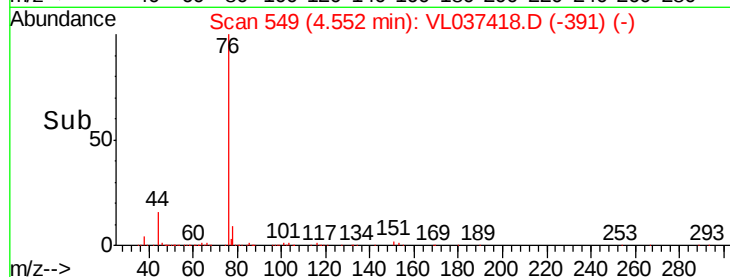
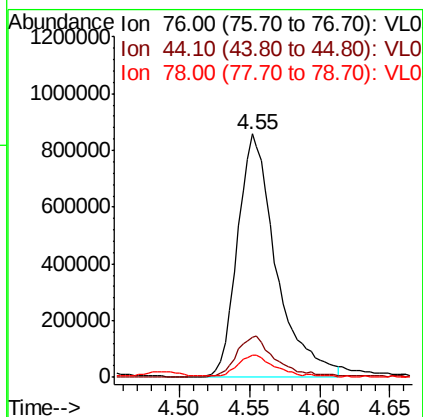
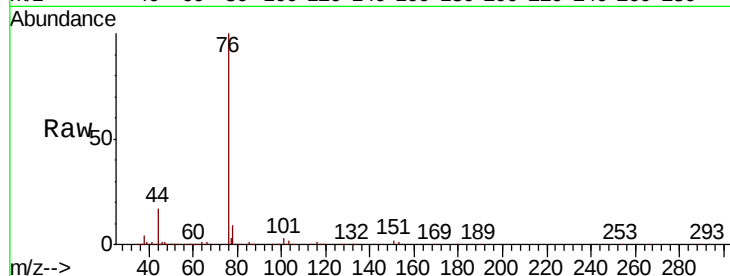
44 17.6 14.4 21.6

78 9.6 8.0 12.0

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#28

Methyl tert-Butyl Ether

Concen: 9.262 ppbv

RT: 5.04 min Scan# 700

Delta R.T. 0.01 min

Lab File: VL037418.D

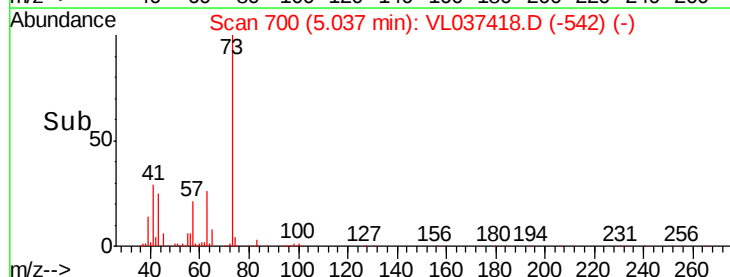
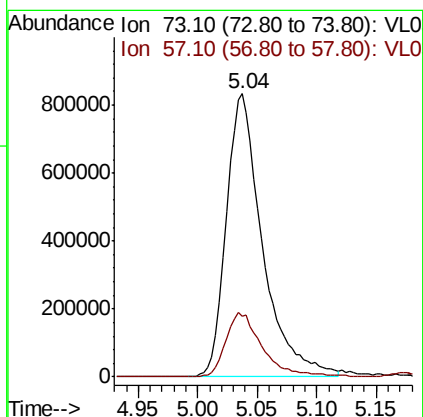
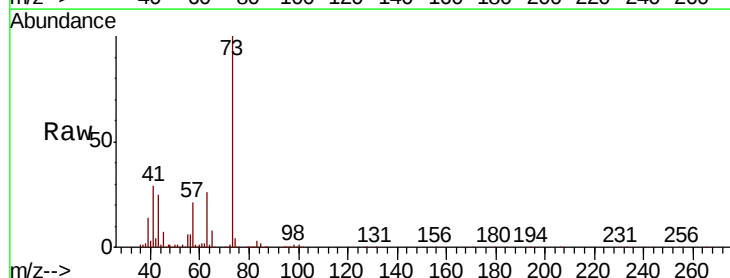
Acq: 12 Aug 2021 17:18

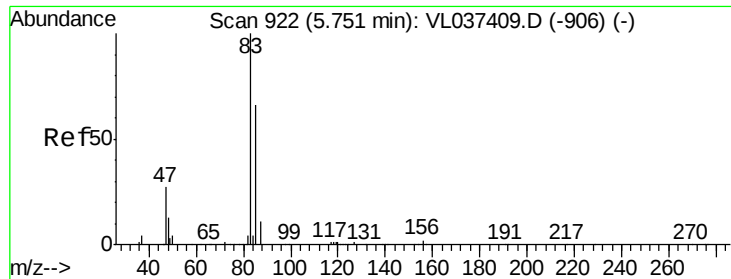
Tgt Ion: 73 Resp: 1759244

Ion Ratio Lower Upper

73 100

57 23.1 19.0 28.4





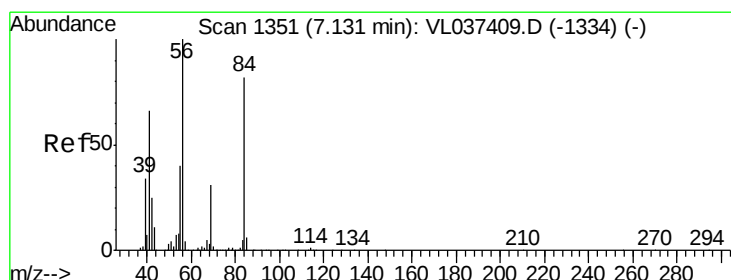
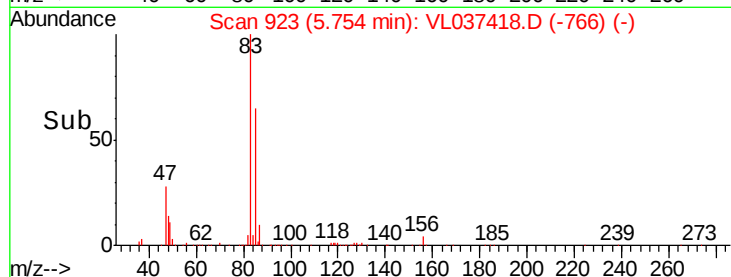
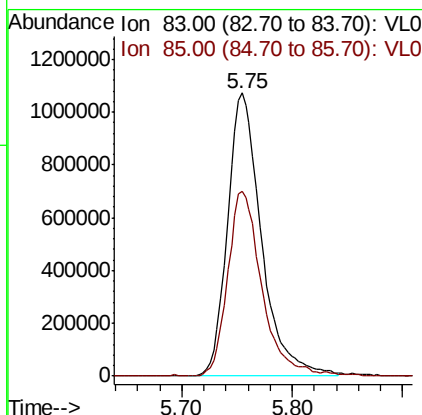
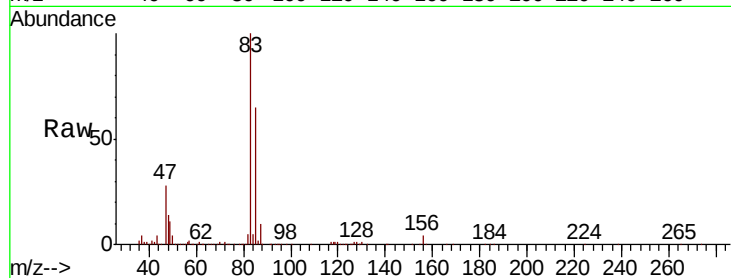
#29
Chloroform
Concen: 9.156 ppbv
RT: 5.75 min Scan# 923
Delta R.T. 0.00 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

Instrument :
MSVOA_L
ClientSampleId :
VL0812ABS01

Tot Ion: 83 Resp: 2288121
Ion Ratio Lower Upper
83 100
85 65.2 52.4 78.6

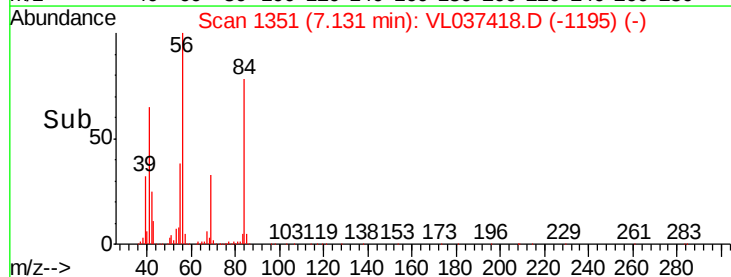
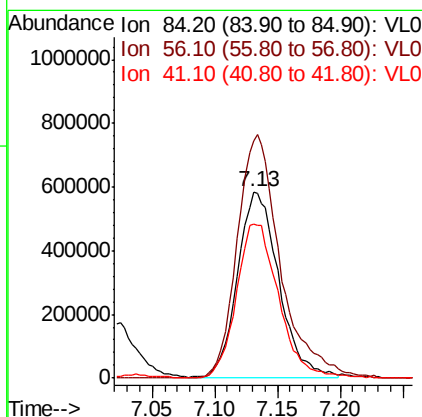
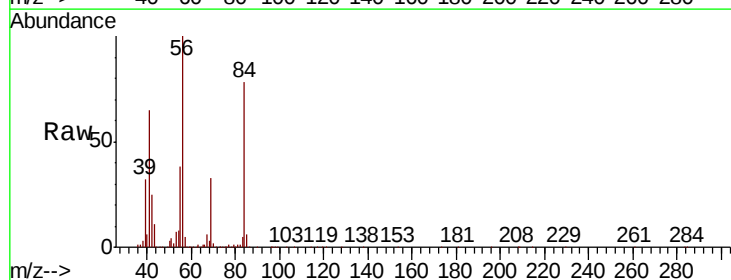
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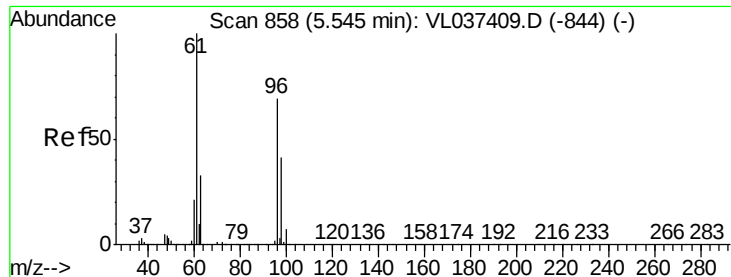
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#30
Cyclohexane
Concen: 9.194 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. 0.00 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

Tgt Ion: 84 Resp: 1343943
Ion Ratio Lower Upper
84 100
56 137.5 109.6 164.4
41 84.4 66.6 99.8





#31

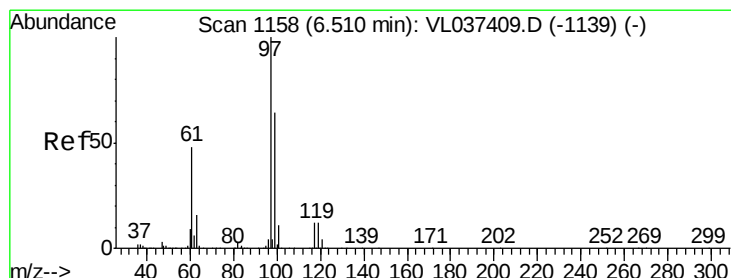
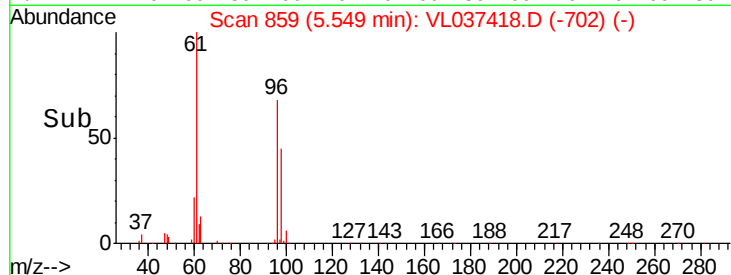
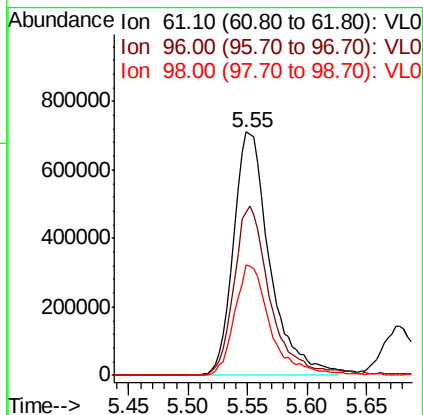
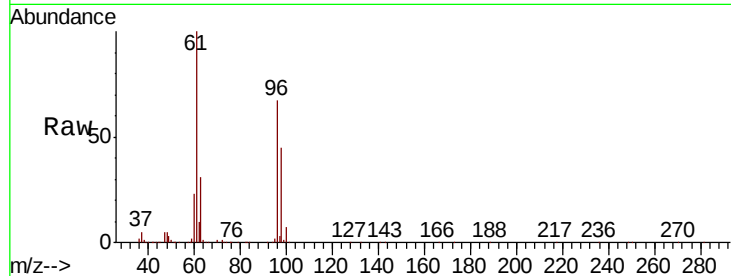
cis-1,2-Dichloroethene
 Concen: 9.783 ppbv
 RT: 5.55 min Scan# 859
 Delta R.T. 0.00 min
 Lab File: VL037418.D
 Acq: 12 Aug 2021 17:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0812ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	67.1	55.5	83.3
98	45.3	33.1	49.7

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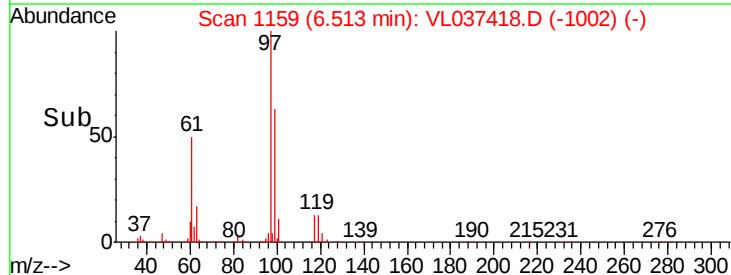
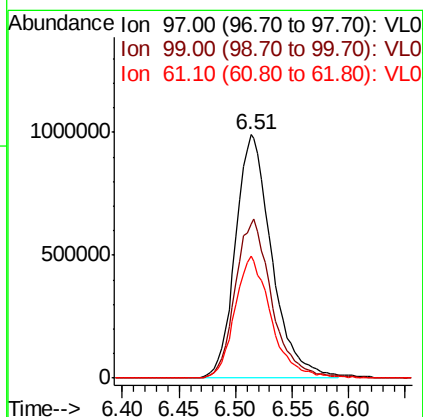
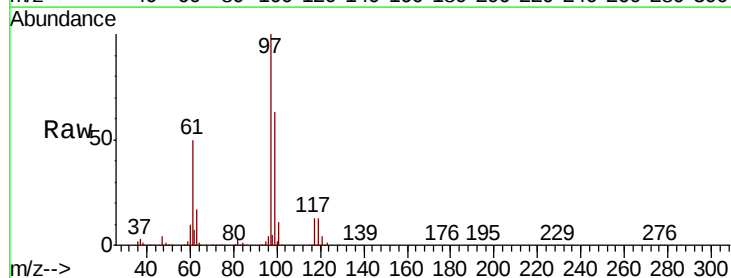
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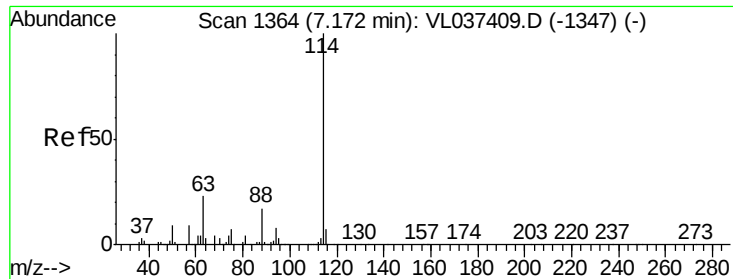


#32

1,1,1-Trichloroethane
 Concen: 8.784 ppbv
 RT: 6.51 min Scan# 1159
 Delta R.T. 0.00 min
 Lab File: VL037418.D
 Acq: 12 Aug 2021 17:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.1	52.3	78.5
61	49.9	40.1	60.1





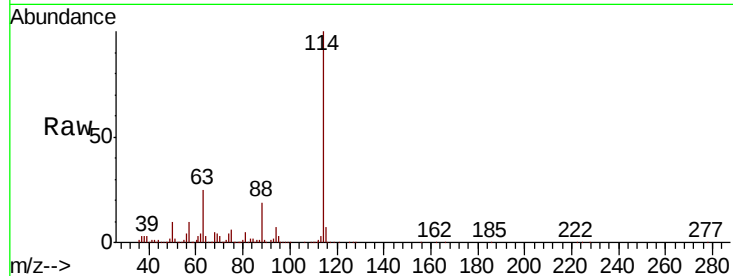
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. 0.01 min
 Lab File: VL037418.D
 Acq: 12 Aug 2021 17:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0812ABS01

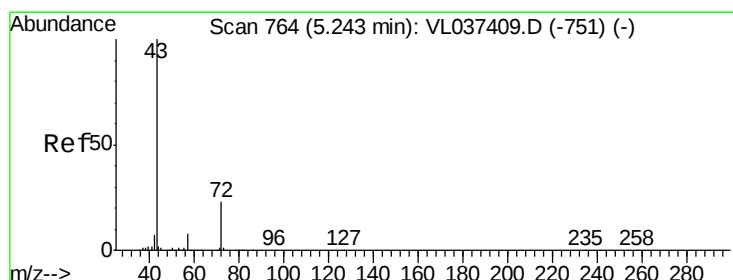
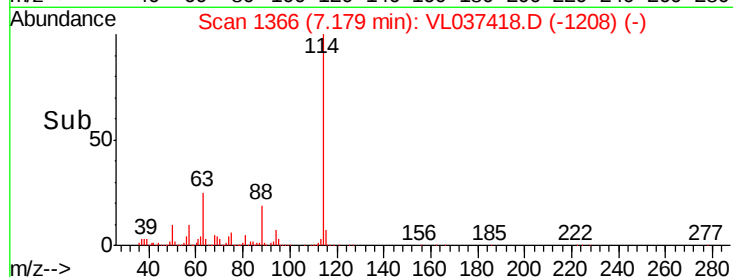
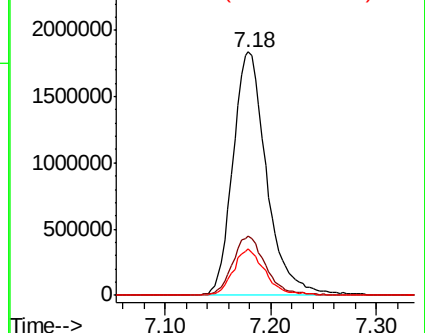
Tot Ion:114 Resp: 4069042
 Ion Ratio Lower Upper
 114 100
 63 24.1 19.4 29.2
 88 18.2 14.2 21.4

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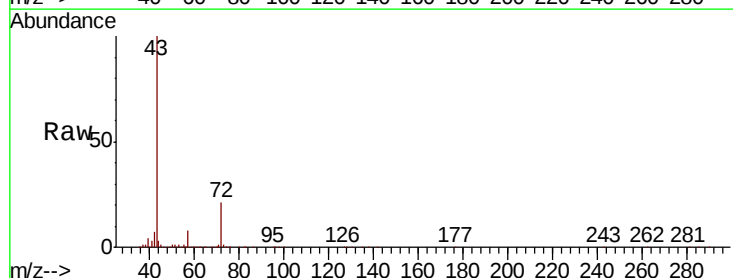


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

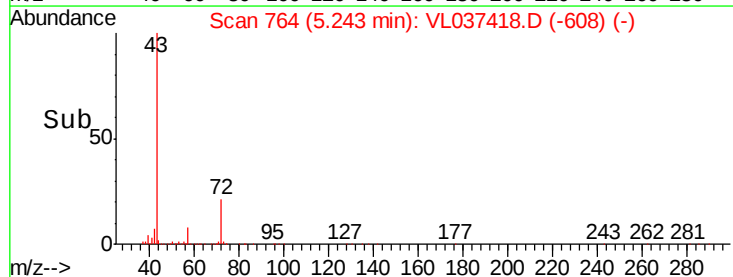
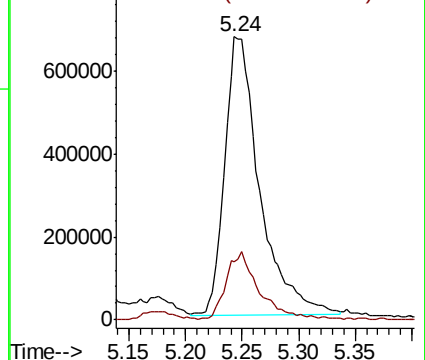


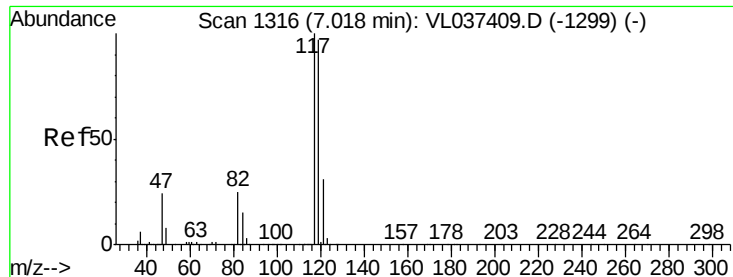
#34
 2-Butanone
 Concen: 8.582 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. 0.00 min
 Lab File: VL037418.D
 Acq: 12 Aug 2021 17:18

Tgt Ion: 43 Resp: 1441656
 Ion Ratio Lower Upper
 43 100
 72 23.8 17.7 26.5



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





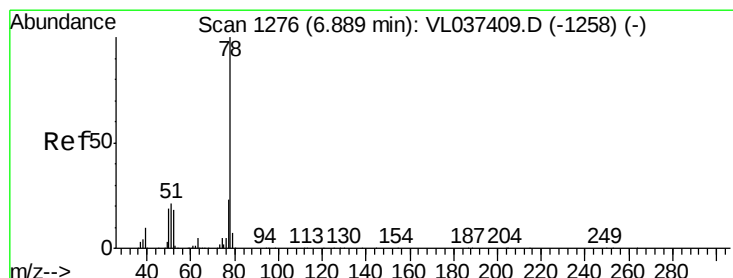
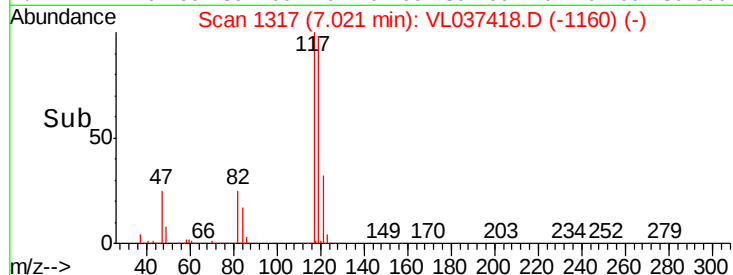
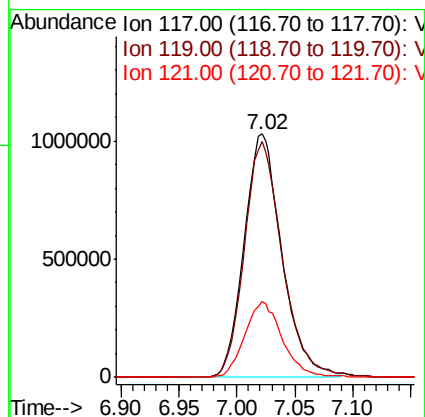
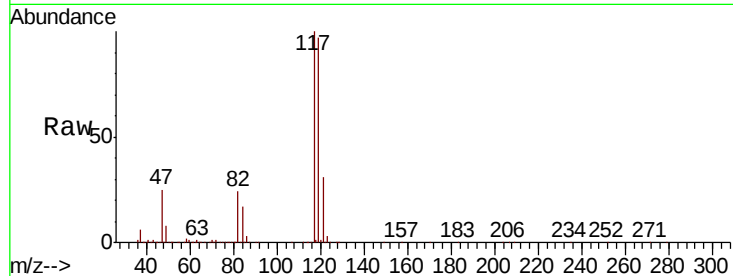
#35
Carbon Tetrachloride
Concen: 9.338 ppbv
RT: 7.02 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

Instrument :
MSVOA_L
ClientSampleId :
VL0812ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.5	116.3
121	31.3	24.7	37.1

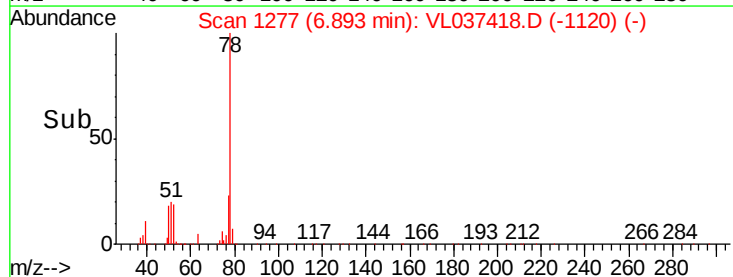
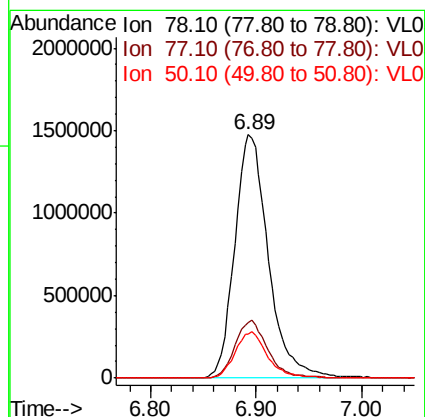
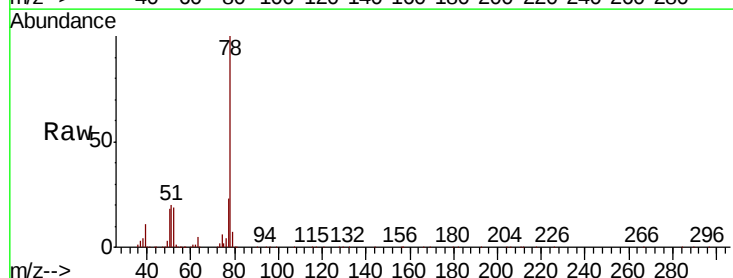
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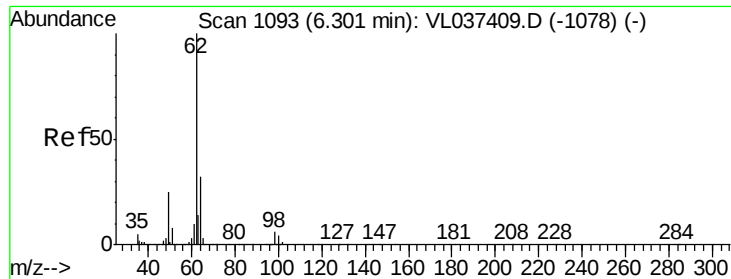
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#36
Benzene
Concen: 9.503 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. 0.00 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.6	27.8
50	18.3	14.9	22.3





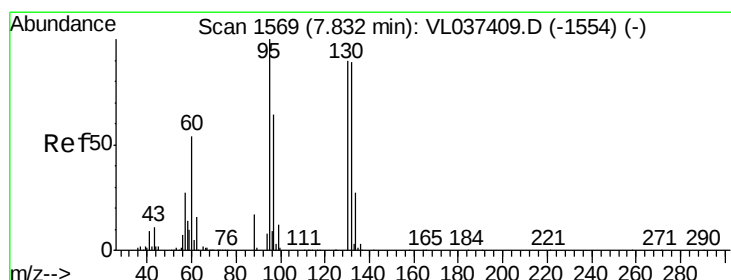
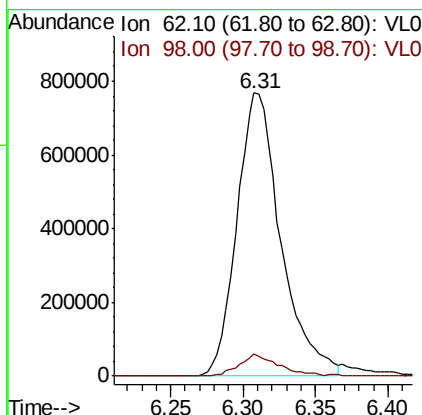
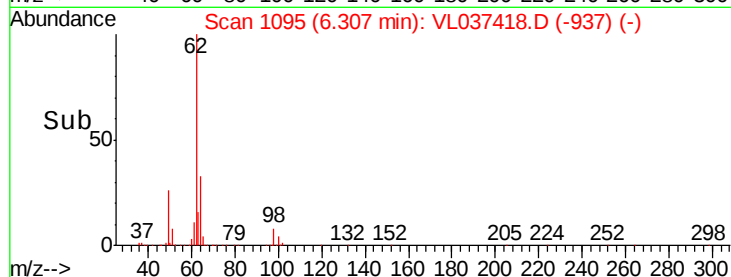
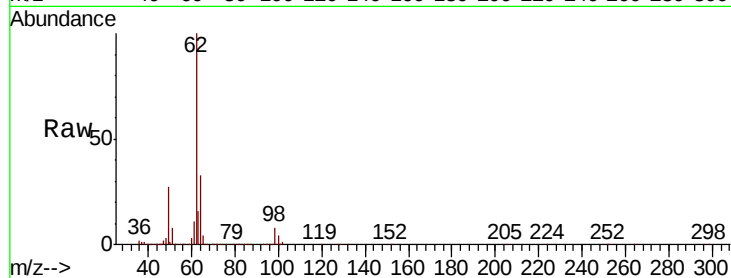
#37
 1,2-Dichloroethane
 Concen: 9.240 ppbv
 RT: 6.31 min Scan# 1095
 Delta R.T. 0.01 min
 Lab File: VL037418.D
 Acq: 12 Aug 2021 17:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0812ABS01

Tot Ion: 62 Resp: 1617882
 Ion Ratio Lower Upper
 62 100
 98 7.4 5.4 8.2

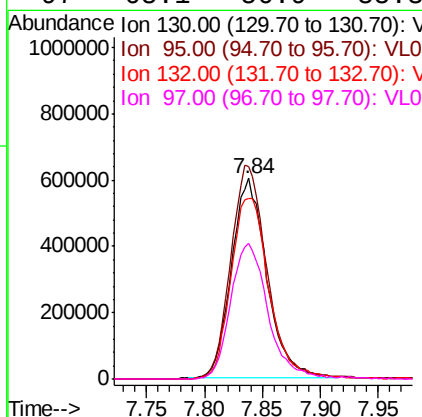
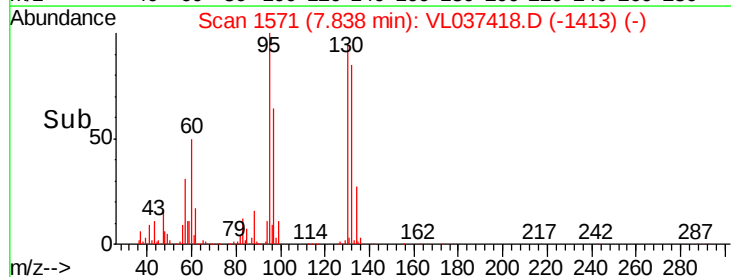
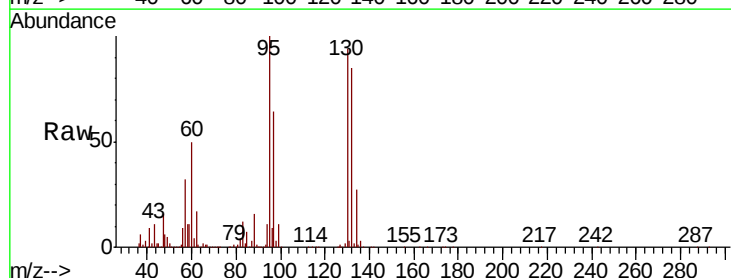
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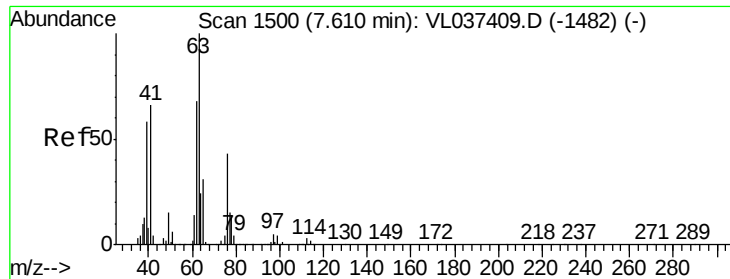
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#38
 Trichloroethene
 Concen: 8.417 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. 0.01 min
 Lab File: VL037418.D
 Acq: 12 Aug 2021 17:18

Tgt Ion: 130 Resp: 1274604
 Ion Ratio Lower Upper
 130 100
 95 106.2 88.6 132.8
 132 90.3 79.2 118.8
 97 68.1 56.9 85.3





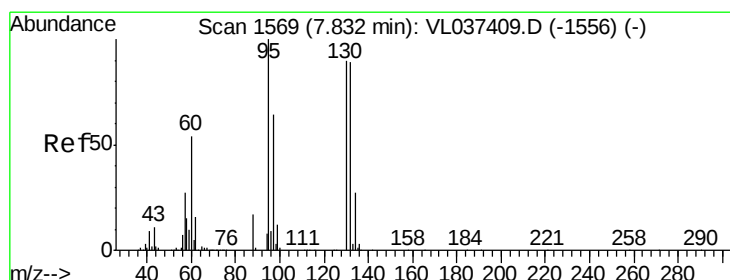
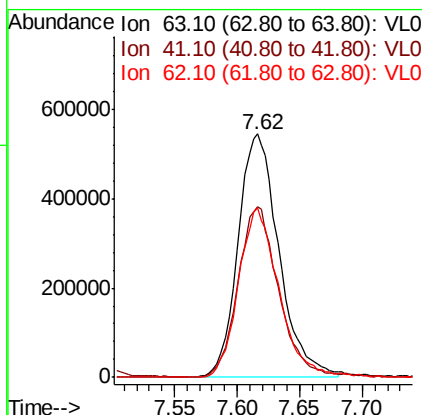
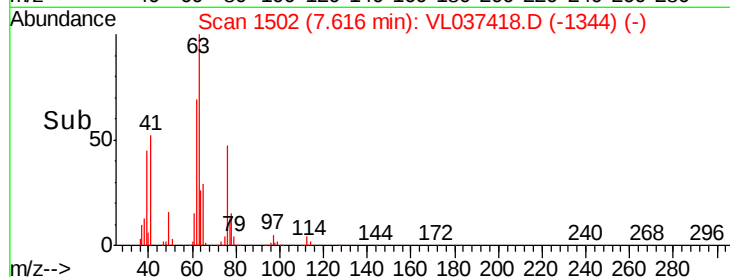
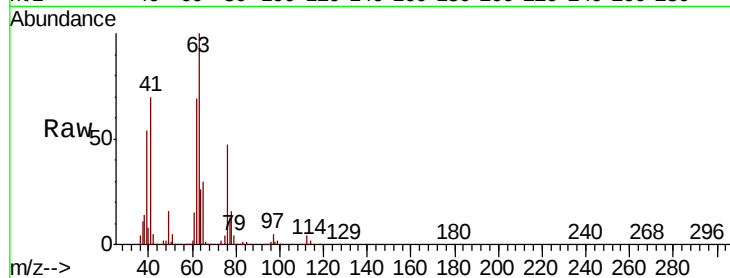
#39
 1,2-Dichloropropane
 Concen: 9.422 ppbv
 RT: 7.62 min Scan# 1502
 Delta R.T. 0.01 min
 Lab File: VL037418.D
 Acq: 12 Aug 2021 17:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0812ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	69.6	53.0	79.6
62	69.4	54.5	81.7

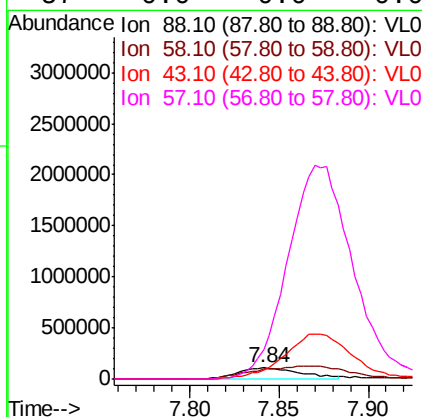
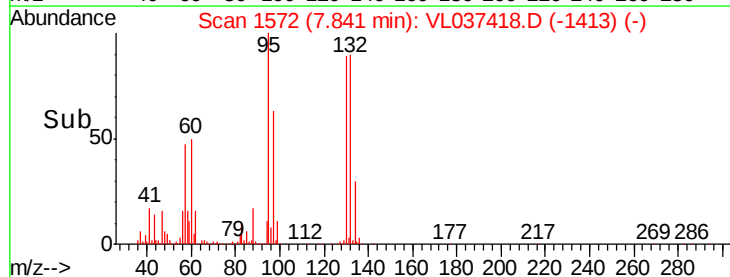
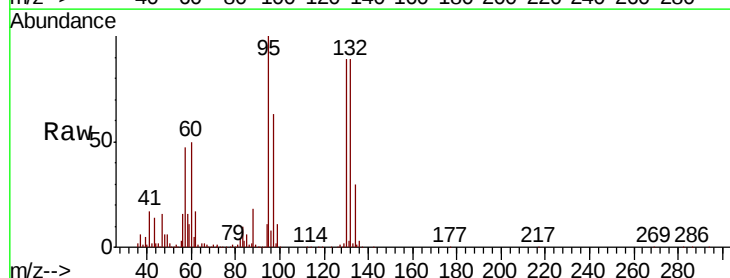
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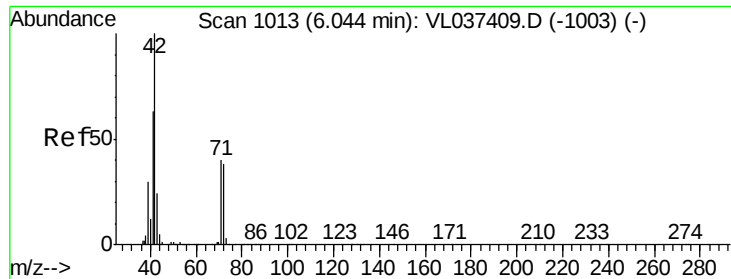
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#40
 1,4-Dioxane
 Concen: 8.258 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. 0.01 min
 Lab File: VL037418.D
 Acq: 12 Aug 2021 17:18

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	0.0	0.0
43	0.0	0.0	0.0
57	0.0	0.0	0.0





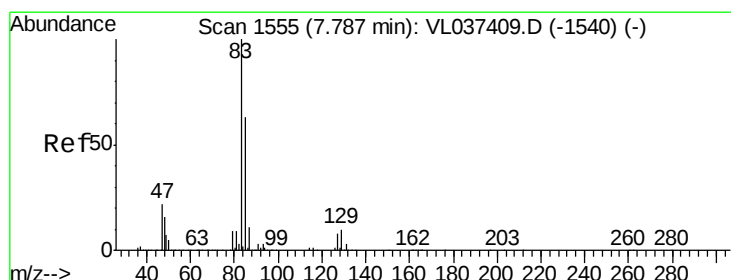
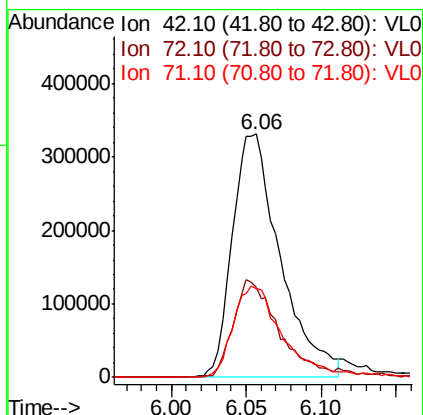
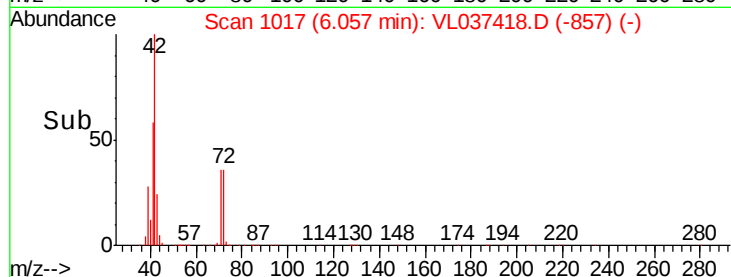
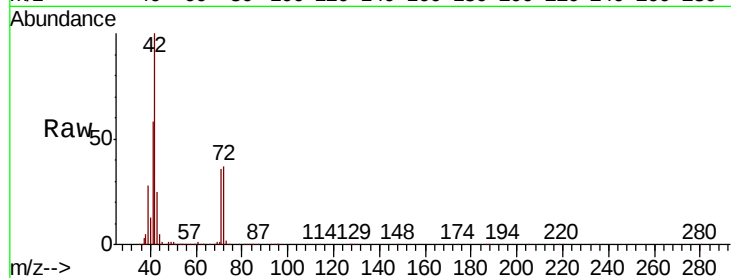
#41
Tetrahydrofuran
Concen: 9.574 ppbv
RT: 6.06 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

Instrument :
MSVOA_L
ClientSampleId :
VL0812ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	33.5	50.3
71	39.7	32.6	48.8

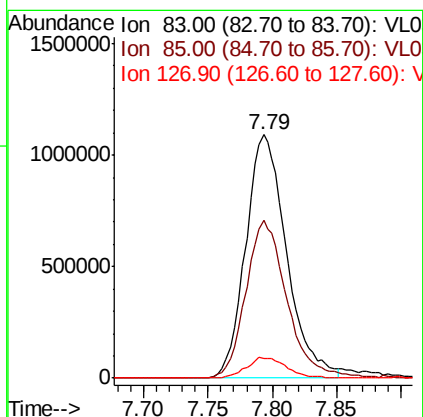
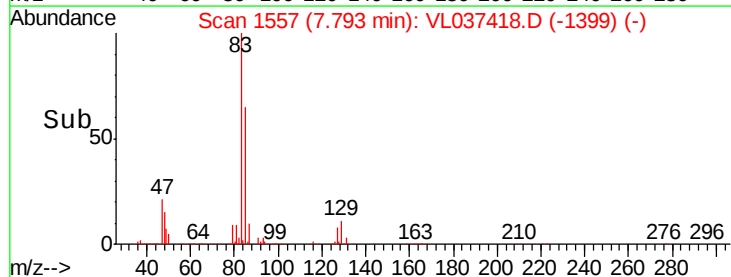
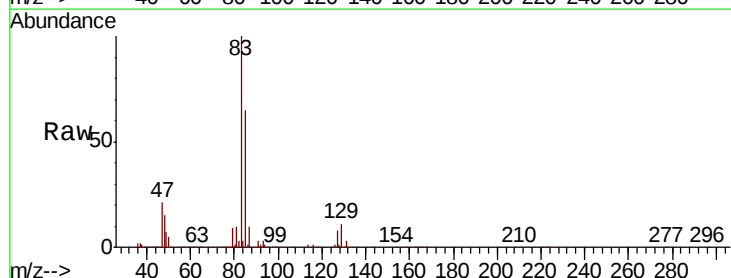
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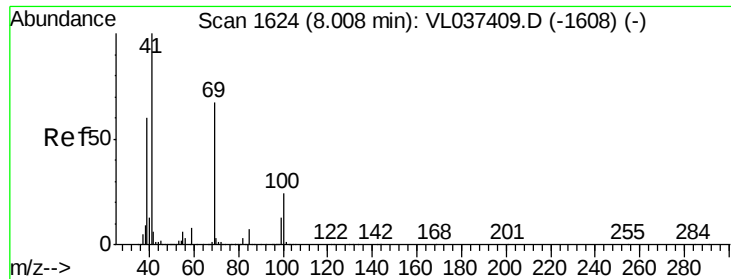
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#42
Bromodichloromethane
Concen: 9.830 ppbv
RT: 7.79 min Scan# 1557
Delta R.T. 0.01 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.2	75.2
127	7.9	6.6	9.8





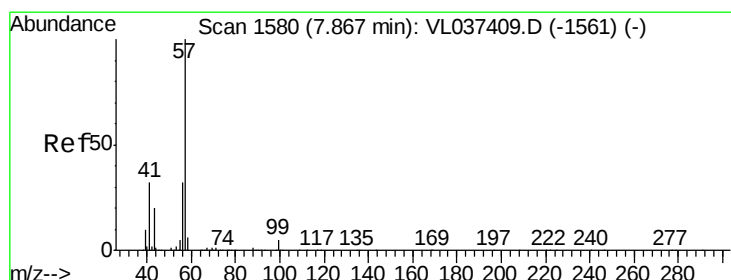
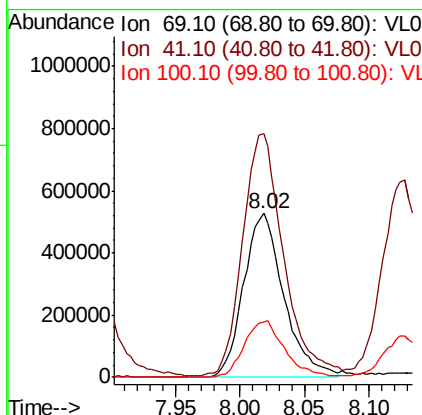
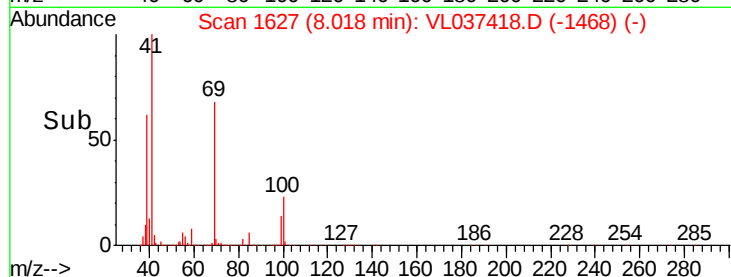
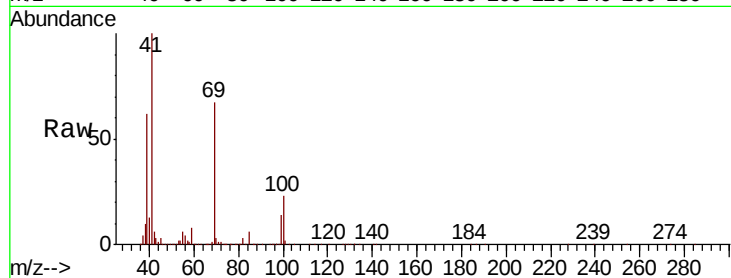
#43
Methvl Methacrylate
Concen: 9.909 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. 0.01 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

Instrument :
MSVOA_L
ClientSampleId :
VL0812ABS01

Tot Ion: 69 Resp: 1152295
Ion Ratio Lower Upper
69 100
41 151.3 118.1 177.1
100 34.7 27.6 41.4

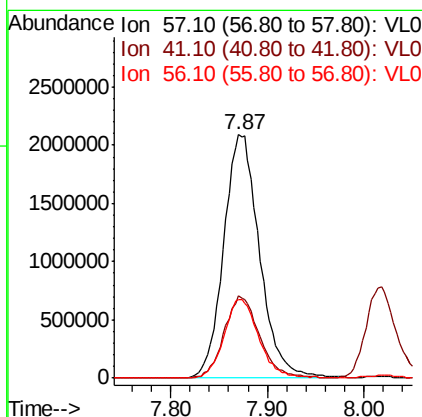
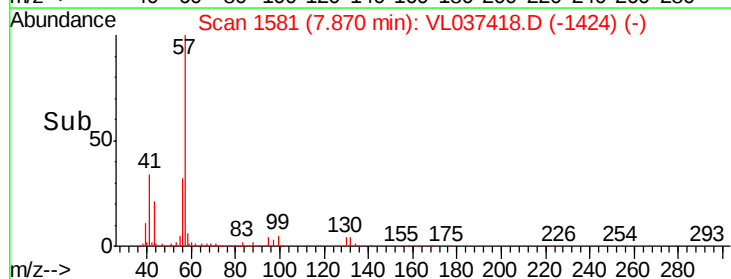
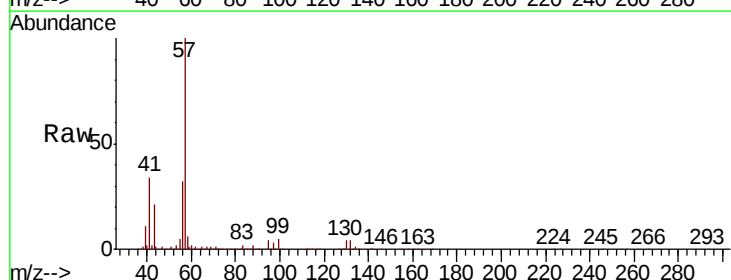
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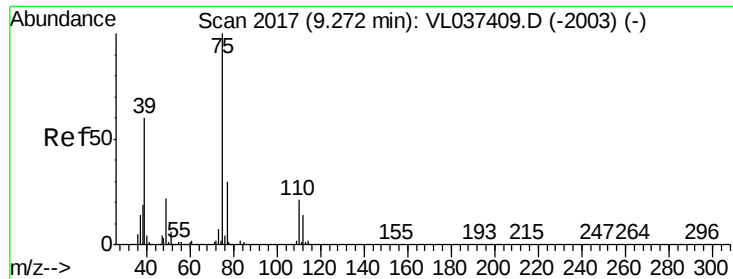
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#44
2,2,4-Trimethylpentane
Concen: 9.282 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

Tgt Ion: 57 Resp: 5324755
Ion Ratio Lower Upper
57 100
41 33.5 26.4 39.6
56 31.8 25.0 37.4





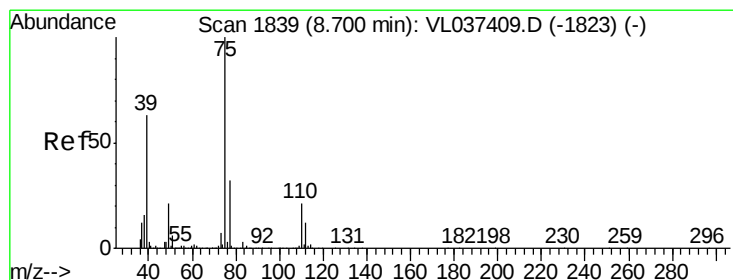
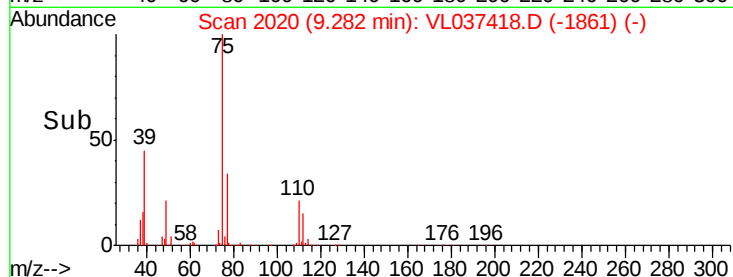
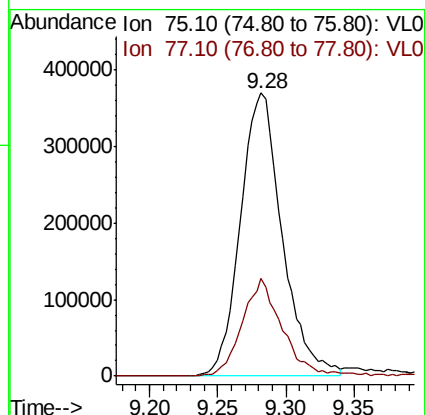
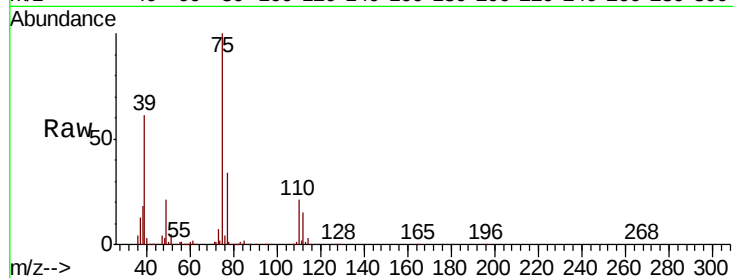
#45
t-1,3-Dichloropropene
Concen: 9.090 ppbv
RT: 9.28 min Scan# 2020
Delta R.T. 0.01 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

Instrument :
MSVOA_L
ClientSampleId :
VL0812ABS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.4	24.2	36.2

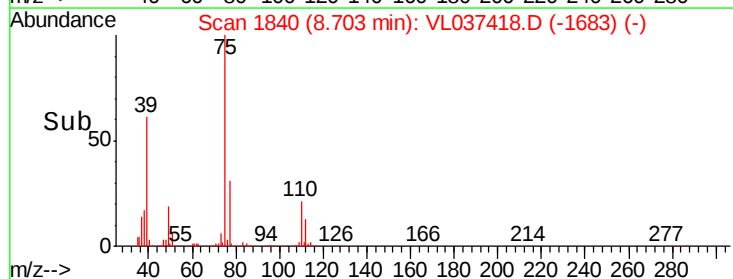
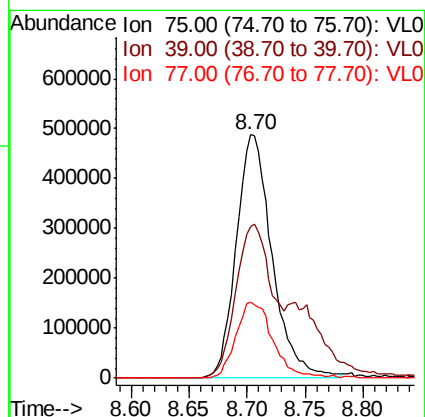
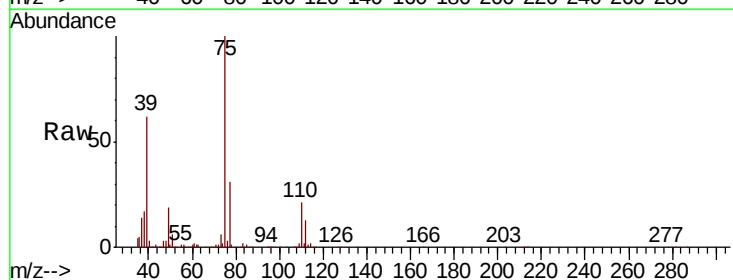
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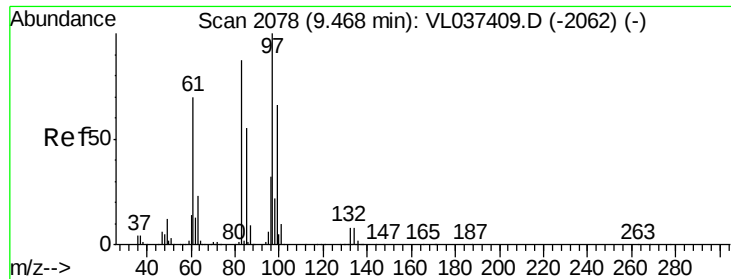
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#46
cis-1,3-Dichloropropene
Concen: 8.667 ppbv
RT: 8.70 min Scan# 1840
Delta R.T. 0.00 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

Tgt Ion	Ratio	Lower	Upper
75	100		
39	62.0	50.1	75.1
77	31.4	25.8	38.8





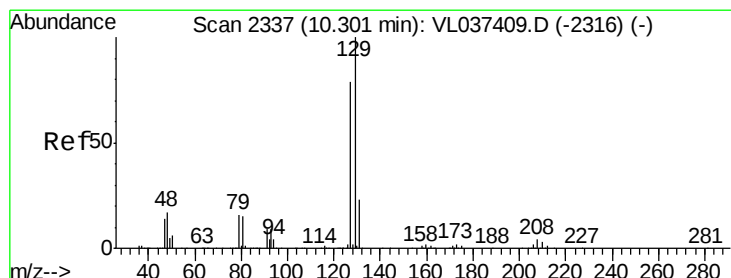
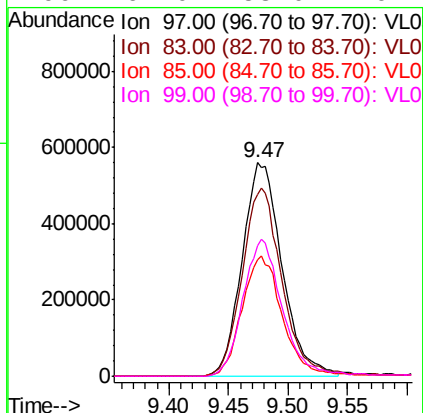
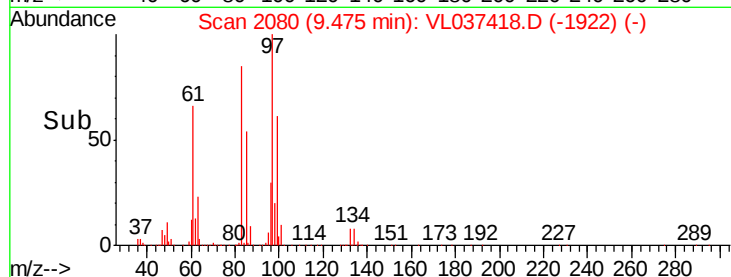
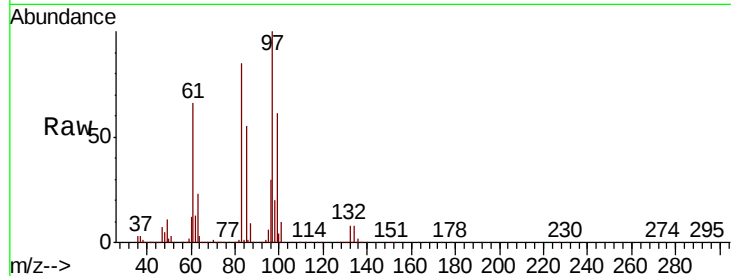
#47
 1,1,2-Trichloroethane
 Concen: 9.201 ppbv
 RT: 9.47 min Scan# 2080
 Delta R.T. 0.01 min
 Lab File: VL037418.D
 Acq: 12 Aug 2021 17:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0812ABS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.9	69.5	104.3
85	54.6	43.8	65.8
99	61.0	53.0	79.4

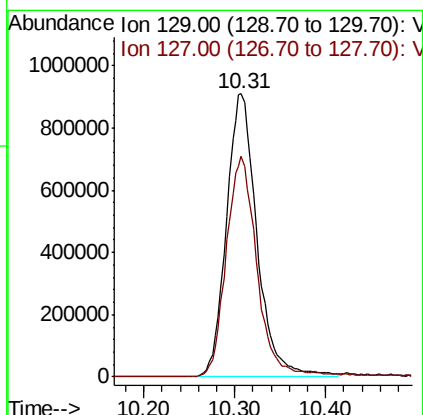
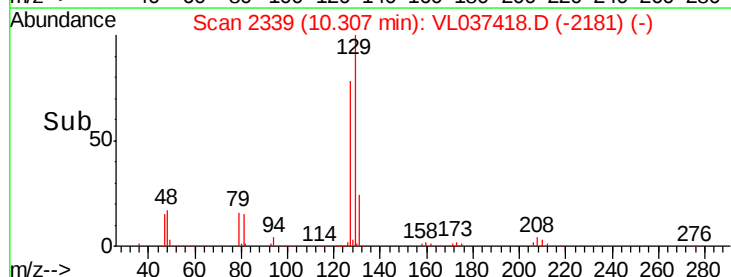
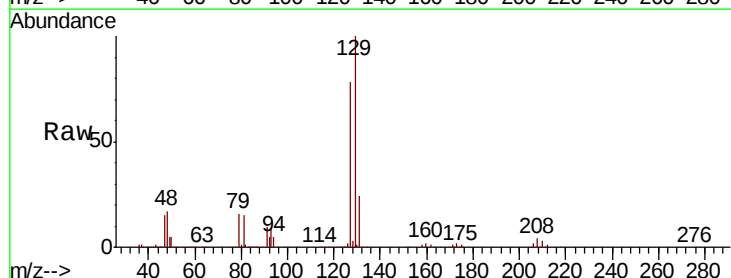
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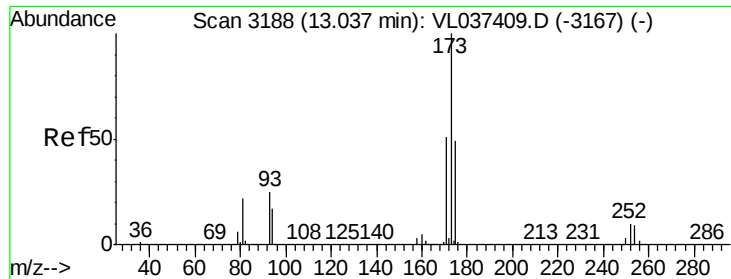
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#48
 Dibromochloromethane
 Concen: 10.410 ppbv
 RT: 10.31 min Scan# 2339
 Delta R.T. 0.01 min
 Lab File: VL037418.D
 Acq: 12 Aug 2021 17:18

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.6	39.6	118.8





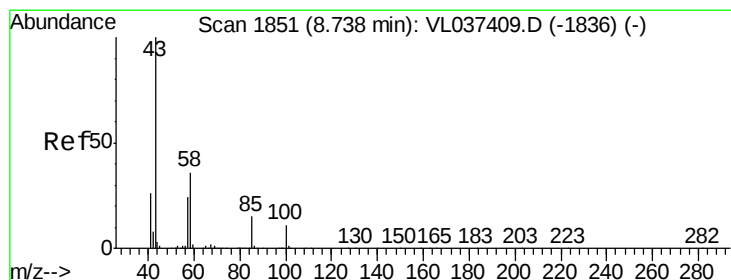
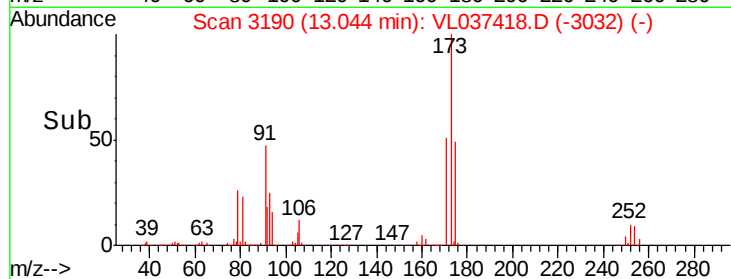
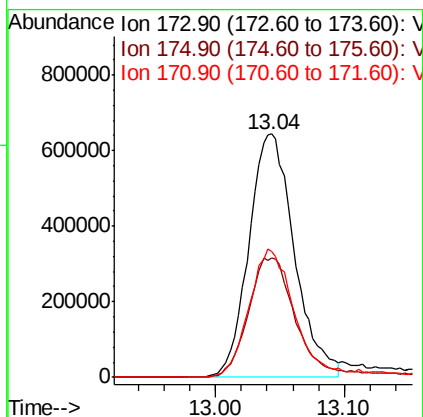
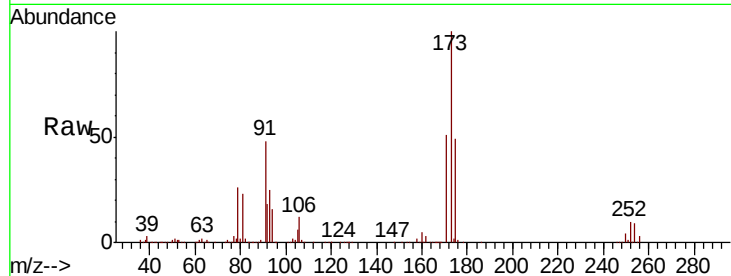
#49
Bromoform
Concen: 10.262 ppbv
RT: 13.04 min Scan# 3190
Delta R.T. 0.01 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

Instrument :
MSVOA_L
ClientSampleId :
VL0812ABS01

Tot Ion:173 Resp: 1585179
Ion Ratio Lower Upper
173 100
175 54.9 39.9 59.9
171 57.1 41.4 62.2

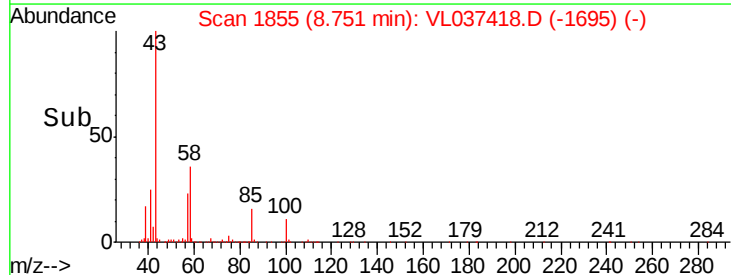
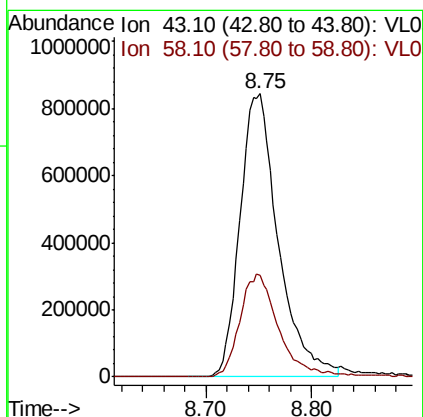
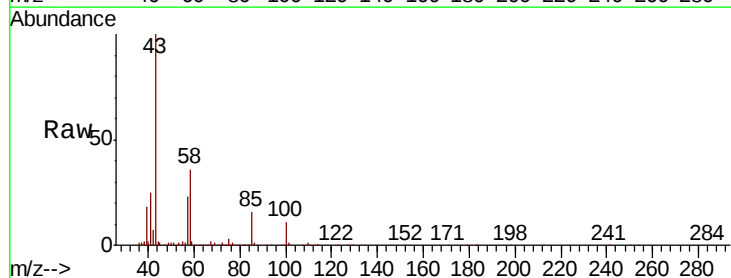
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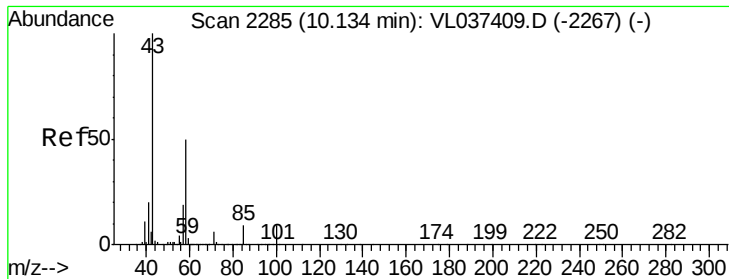
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#50
4-Methyl-2-Pentanone
Concen: 10.105 ppbv
RT: 8.75 min Scan# 1855
Delta R.T. 0.01 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

Tgt Ion: 43 Resp: 2135616
Ion Ratio Lower Upper
43 100
58 37.2 29.9 44.9





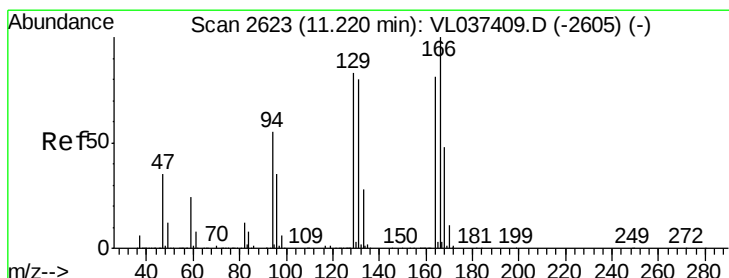
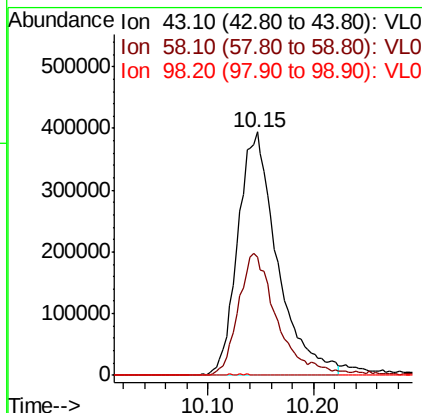
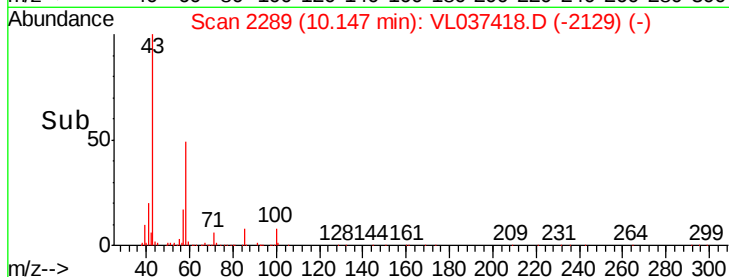
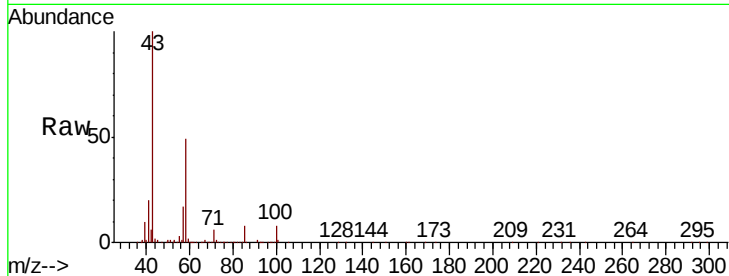
#51
2-Hexanone
Concen: 10.284 ppbv m
RT: 10.15 min Scan# 2289
Delta R.T. 0.01 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

Instrument :
MSVOA_L
ClientSampleId :
VL0812ABS01

Tot Ion: 43 Resp: 1022578
Ion Ratio Lower Upper
43 100
58 50.7 39.9 59.9
98 0.3 0.2 0.2#

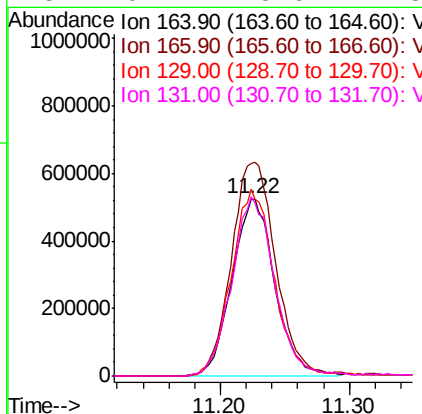
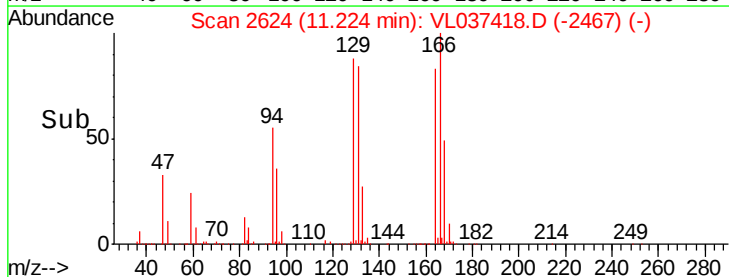
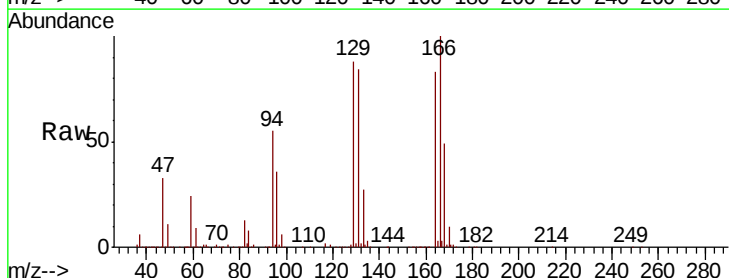
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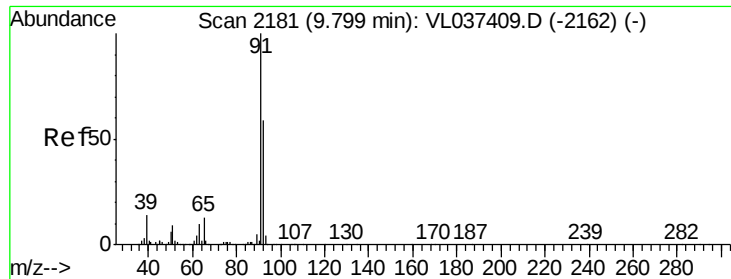
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#52
Tetrachloroethene
Concen: 8.296 ppbv
RT: 11.22 min Scan# 2624
Delta R.T. 0.00 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

Tgt Ion: 164 Resp: 1199188
Ion Ratio Lower Upper
164 100
166 119.9 98.6 147.8
129 105.5 82.0 123.0
131 101.2 78.6 117.8





#53

Toluene

Concen: 9.581 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. 0.01 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

Instrument :

MSVOA_L

ClientSampleId :

VL0812ABS01

Tot Ion: 91 Resp: 3753220

Ion Ratio Lower Upper

91 100

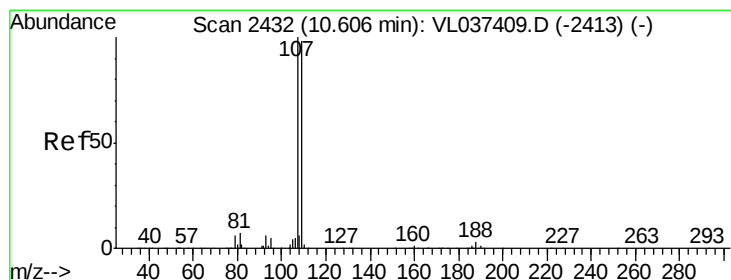
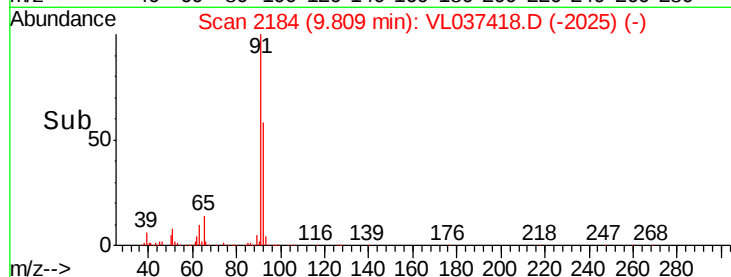
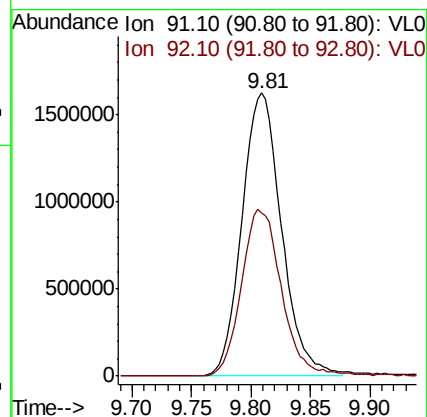
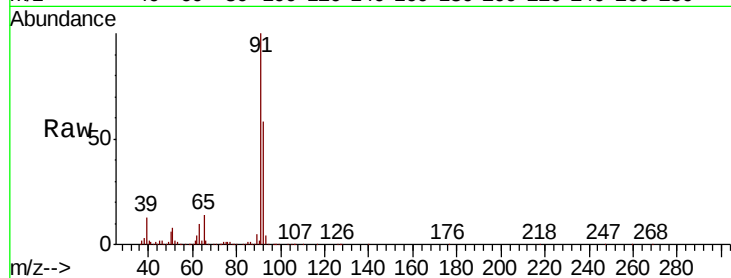
92 60.4 49.0 73.6

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#54

1,2-Dibromoethane

Concen: 9.540 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. 0.01 min

Lab File: VL037418.D

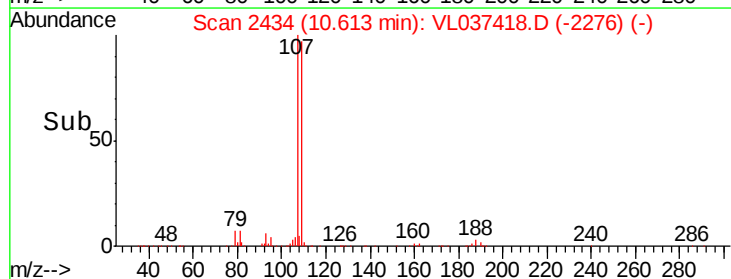
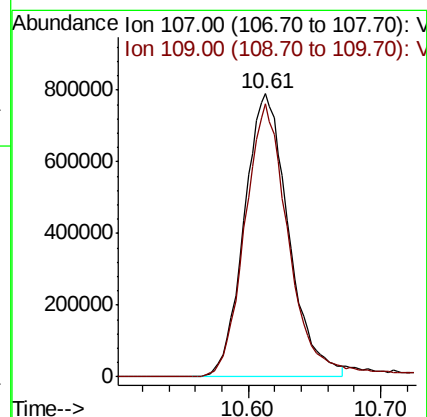
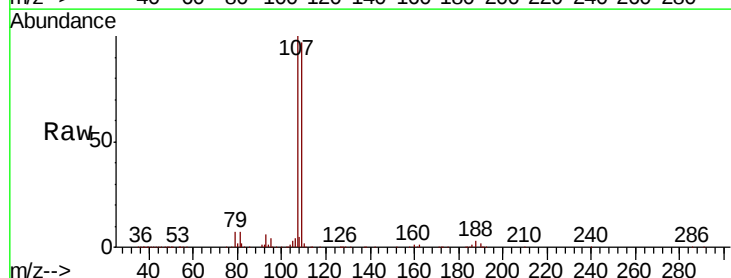
Acq: 12 Aug 2021 17:18

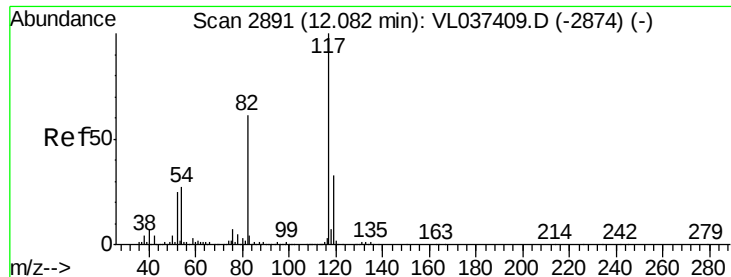
Tgt Ion: 107 Resp: 1834583

Ion Ratio Lower Upper

107 100

109 96.5 78.4 117.6





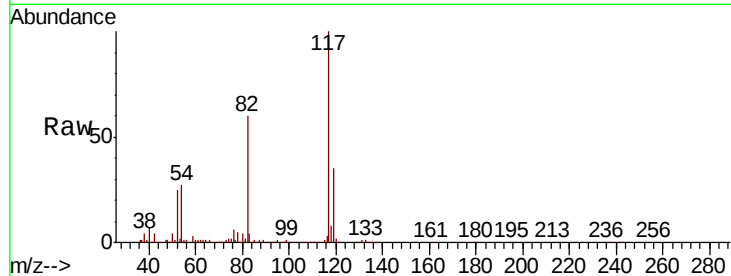
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.09 min Scan# 2893
Delta R.T. 0.01 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

Instrument :
MSVOA_L
ClientSampleId :
VL0812ABS01

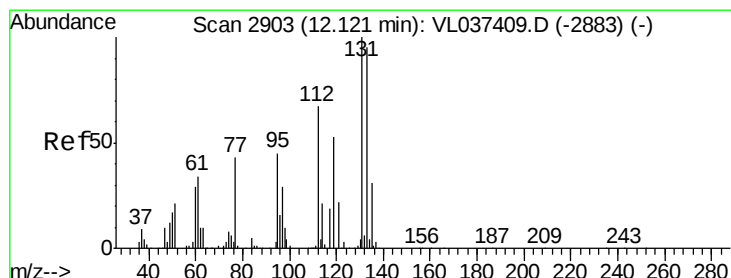
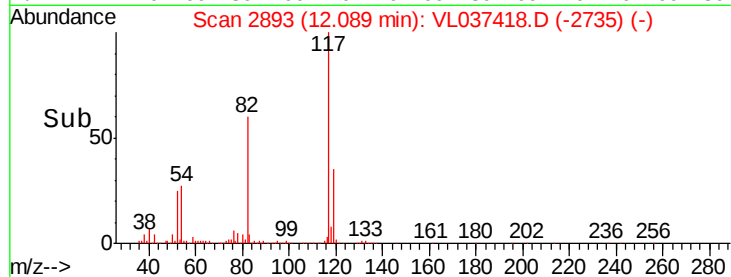
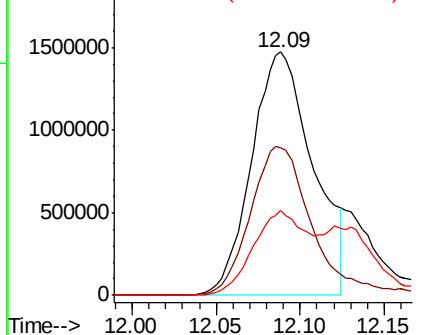
Tot Ion	Ratio	Lower	Upper
117	100		
82	63.7	53.1	79.7
119	58.0	28.0	42.0#

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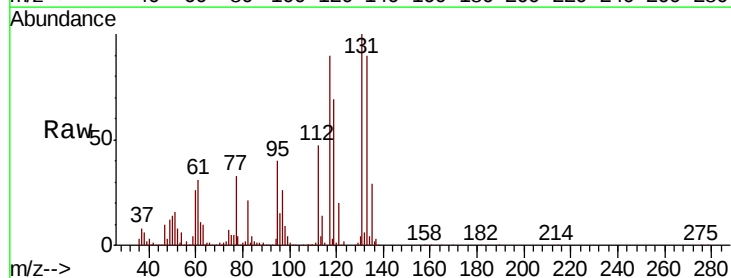


Abundance Ion 117.10 (116.80 to 117.80): V
2000000 Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

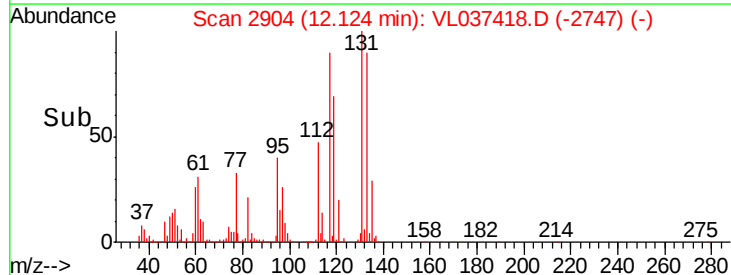
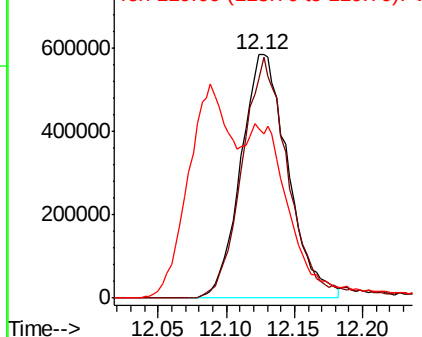


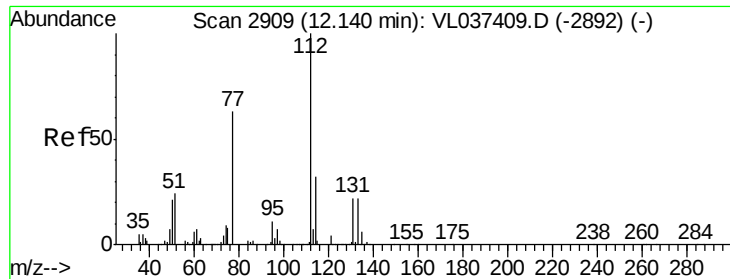
#56
1,1,1,2-Tetrachloroethane
Concen: 9.400 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

Tgt Ion	Ratio	Lower	Upper
131	100		
133	100.2	77.1	115.7
119	155.1	59.7	89.5#



Abundance Ion 131.00 (130.70 to 131.70): V
800000 Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 8.751 ppbv

RT: 12.15 min Scan# 2912

Delta R.T. 0.01 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

Instrument :

MSVOA_L

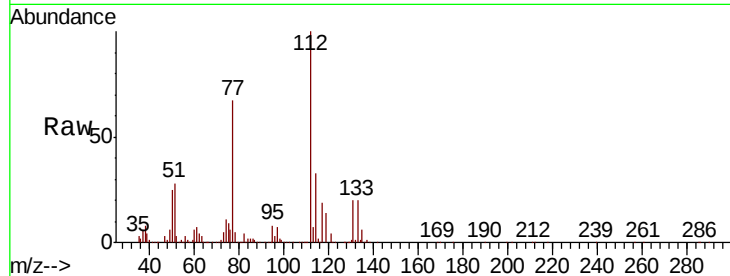
ClientSampleId :

VL0812ABS01

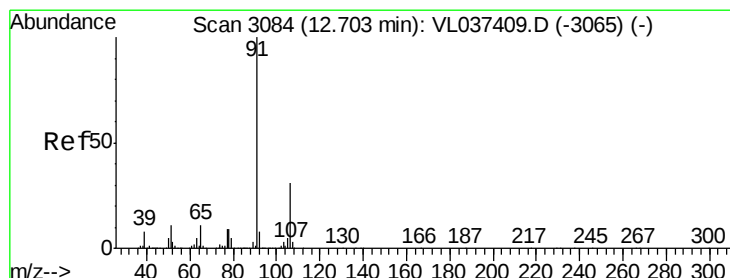
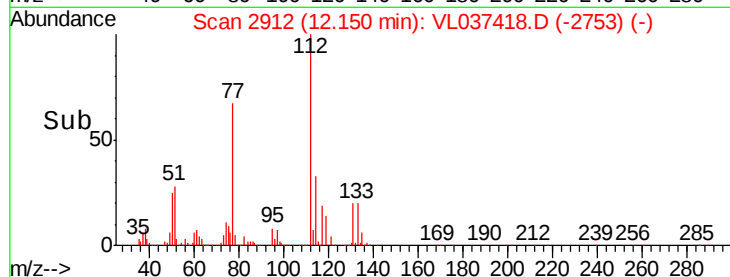
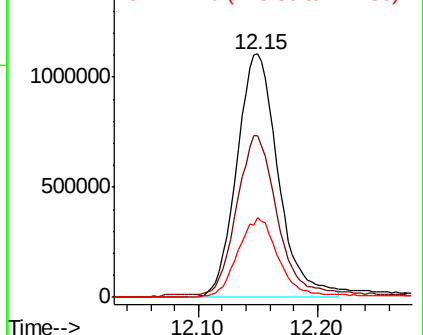
Tot Ion:	112	Resp:	2661463
Ion	Ratio	Lower	Upper
112	100		
77	65.2	50.0	75.0
114	31.9	28.5	34.9

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Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.342 ppbv

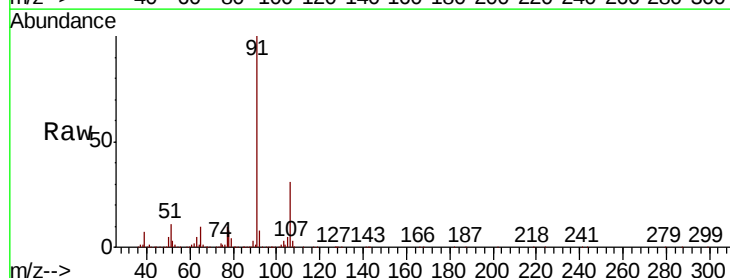
RT: 12.71 min Scan# 3087

Delta R.T. 0.01 min

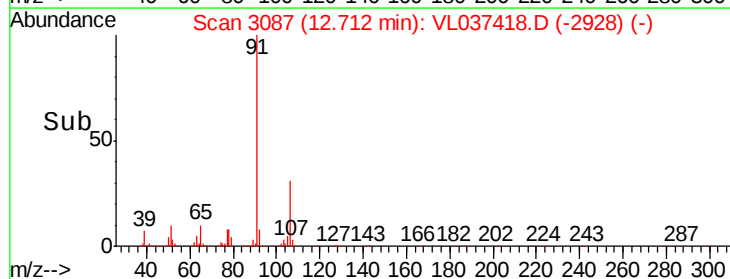
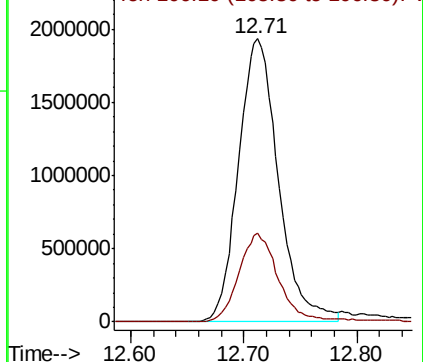
Lab File: VL037418.D

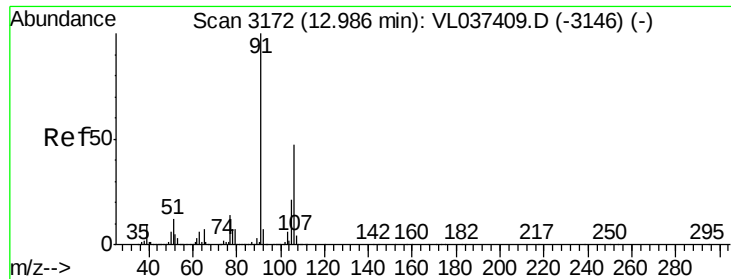
Acq: 12 Aug 2021 17:18

Tgt Ion:	91	Resp:	4755958
Ion	Ratio	Lower	Upper
91	100		
106	31.2	24.7	37.1



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 17.890 ppbv m

RT: 13.00 min Scan# 3176

Delta R.T. 0.01 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

Instrument :

MSVOA_L

ClientSampleId :

VL0812ABS01

Tot Ion: 91 Resp: 8000267

Ion Ratio Lower Upper

91 100

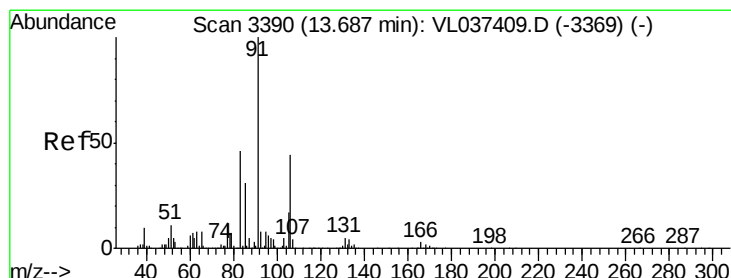
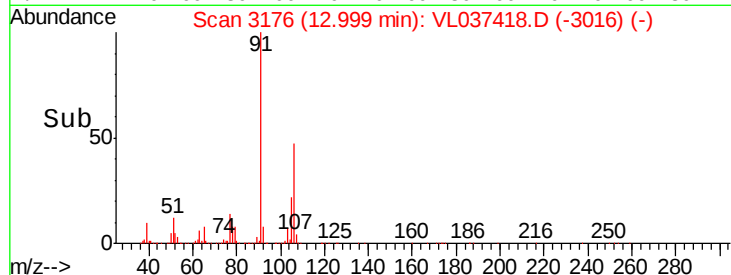
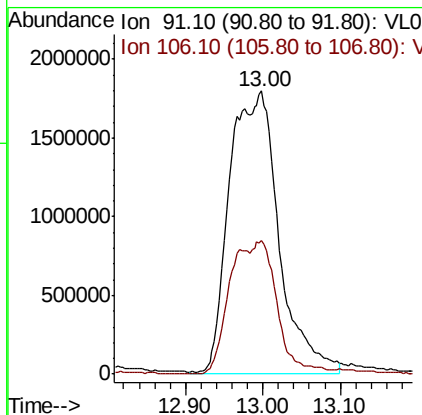
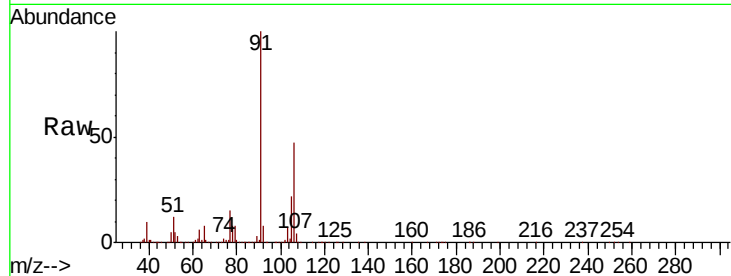
106 46.0 36.6 54.8

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#60

o-Xylene

Concen: 8.747 ppbv

RT: 13.69 min Scan# 3392

Delta R.T. 0.01 min

Lab File: VL037418.D

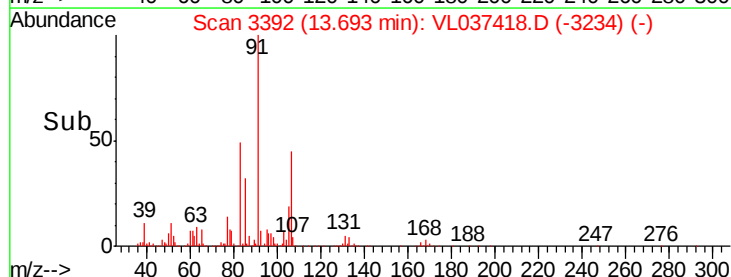
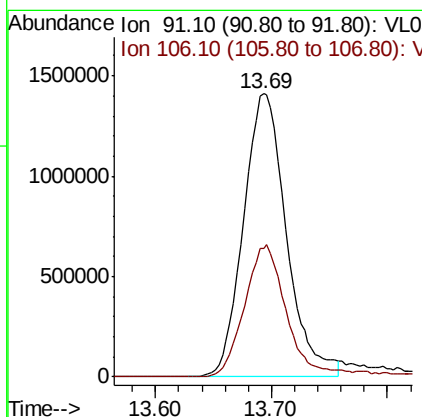
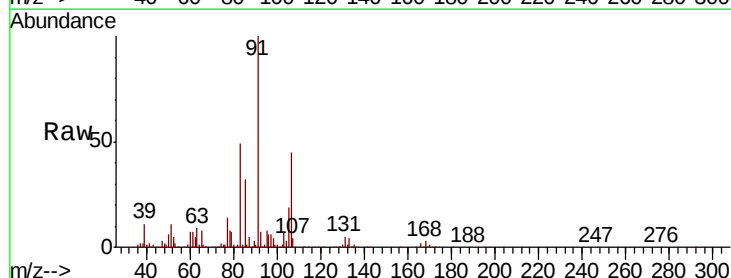
Acq: 12 Aug 2021 17:18

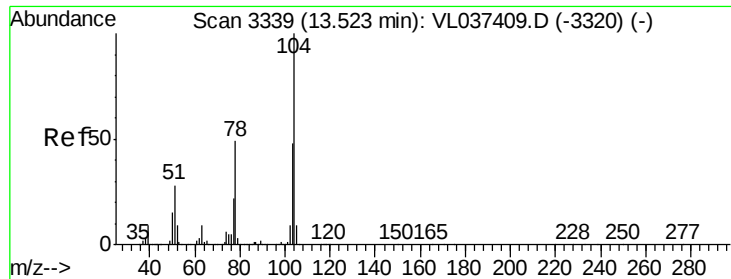
Tgt Ion: 91 Resp: 3633892

Ion Ratio Lower Upper

91 100

106 47.6 24.1 72.2





#61

Stvrene

Concen: 9.663 ppbv

RT: 13.53 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

Instrument :

MSVOA_L

ClientSampleId :

VL0812ABS01

Tot Ion:104 Resp: 2028221

Ion Ratio Lower Upper

104 100

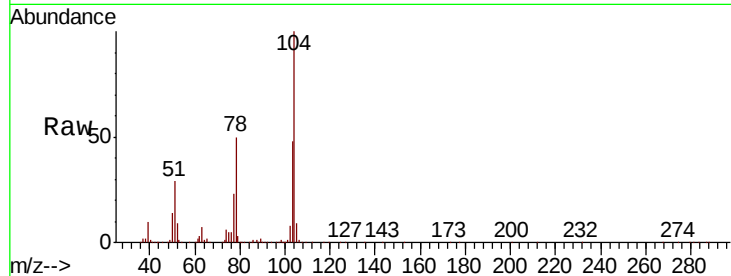
78 53.5 41.5 62.3

103 51.0 40.2 60.2

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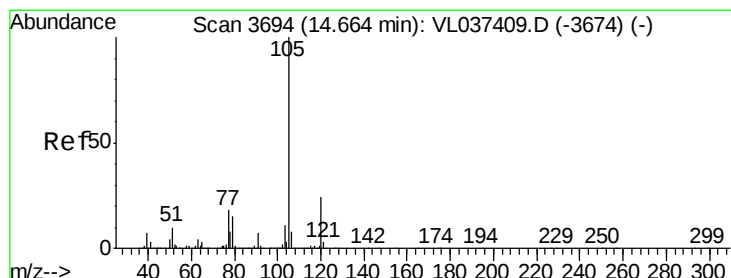
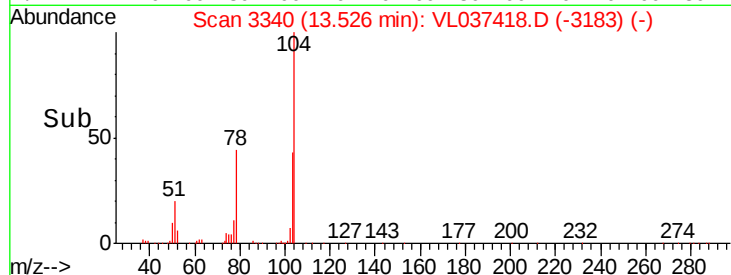
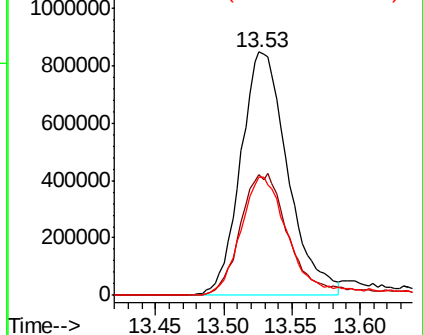
8/13/2021 11:07:01 AM



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: 8.843 ppbv

RT: 14.67 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VL037418.D

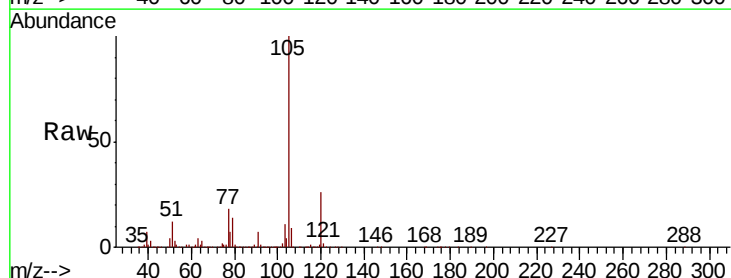
Acq: 12 Aug 2021 17:18

Tgt Ion:105 Resp: 5253939

Ion Ratio Lower Upper

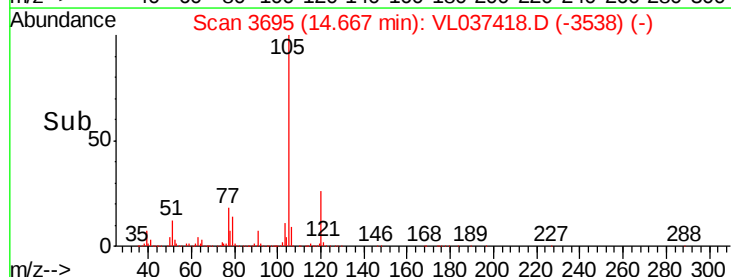
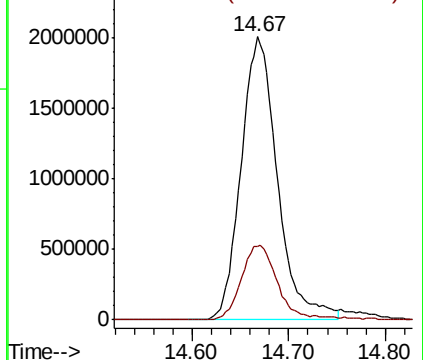
105 100

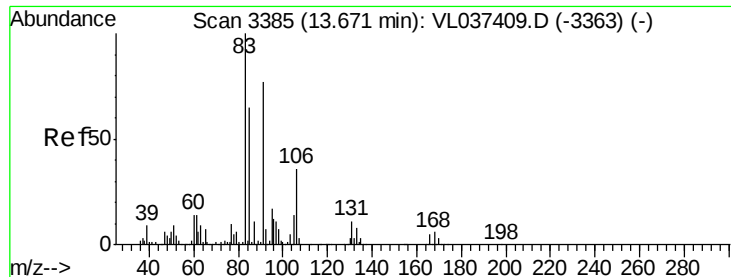
120 27.0 21.6 32.4



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: 8.481 ppbv

RT: 13.68 min Scan# 3387

Delta R.T. 0.01 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

Instrument :

MSVOA_L

ClientSampleId :

VL0812ABS01

Tot Ion: 83 Resp: 2657027

Ion Ratio Lower Upper

83 100

131 9.9 5.1 15.4

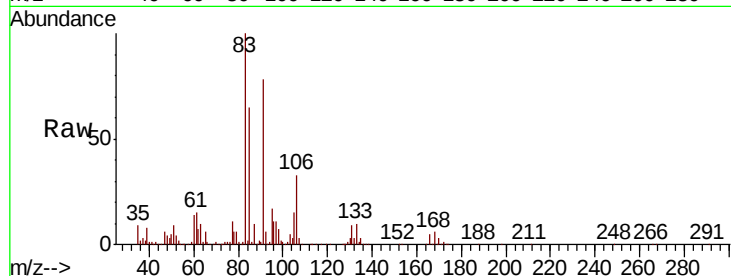
85 66.3 33.4 100.2

Manual Integrations

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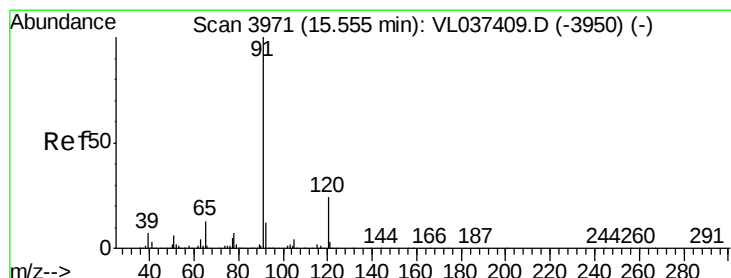
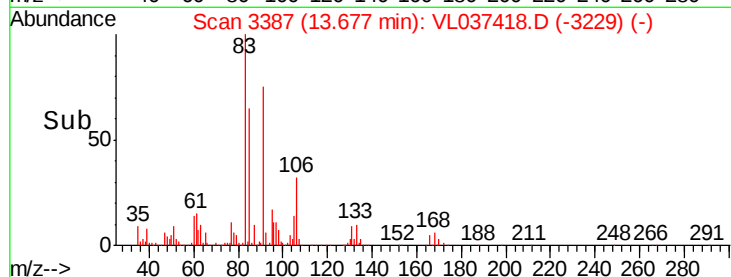
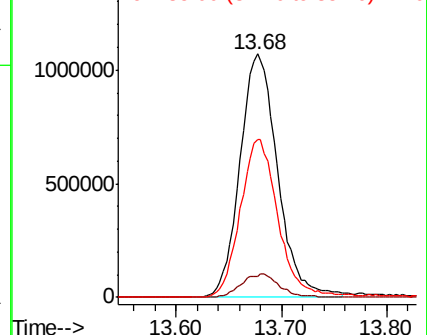
8/13/2021 11:07:01 AM



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.052 ppbv

RT: 15.56 min Scan# 3973

Delta R.T. 0.01 min

Lab File: VL037418.D

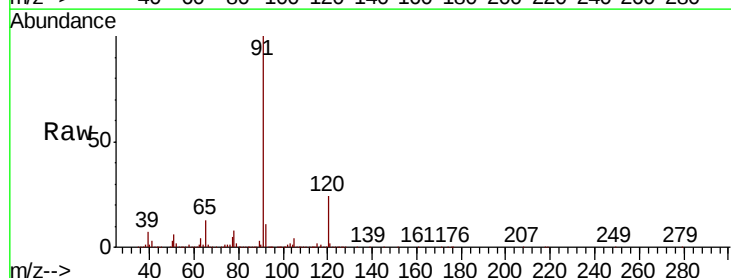
Acq: 12 Aug 2021 17:18

Tgt Ion: 120 Resp: 1353334

Ion Ratio Lower Upper

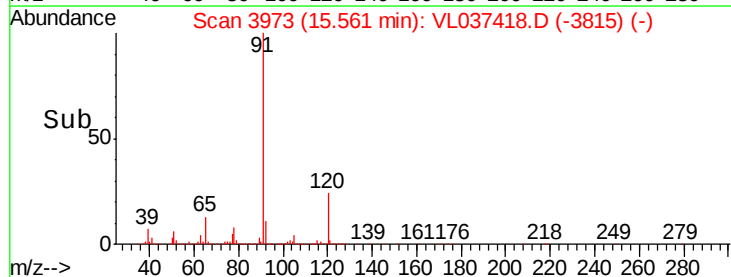
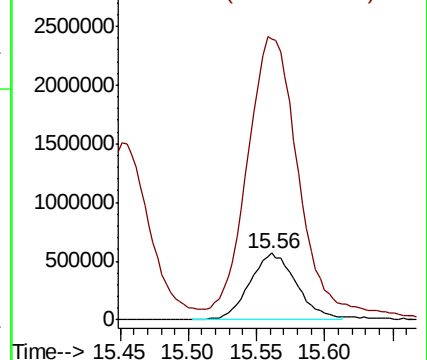
120 100

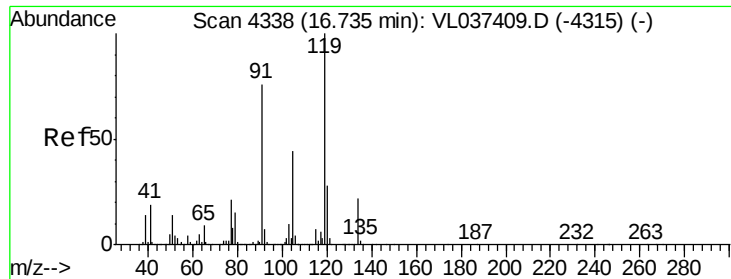
91 479.1 388.4 582.6



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 8.688 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. 0.01 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

Instrument :

MSVOA_L

ClientSampleId :

VL0812ABS01

Tot Ion:119 Resp: 4654749

Ion Ratio Lower Upper

119 100

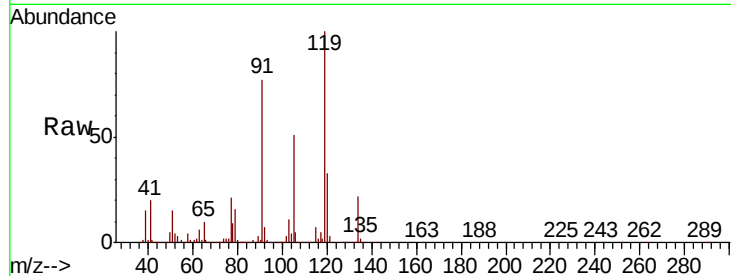
91 78.2 62.2 93.4

134 20.3 16.1 24.1

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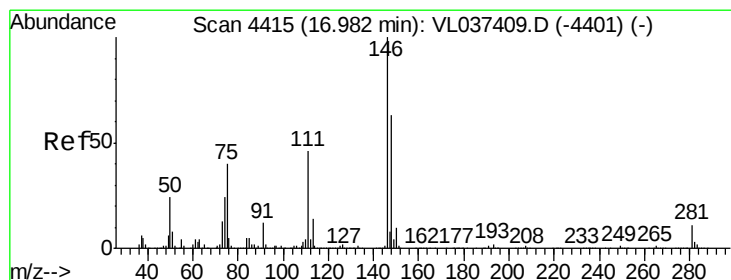
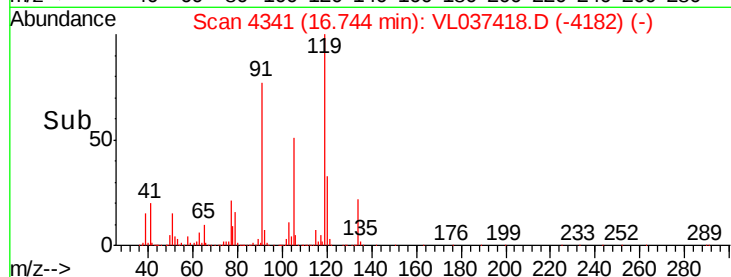
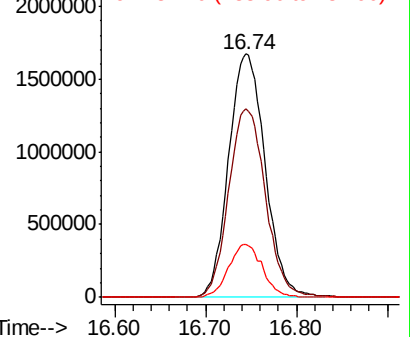
8/13/2021 11:07:01 AM



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 8.623 ppbv m

RT: 16.98 min Scan# 4415

Delta R.T. 0.00 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

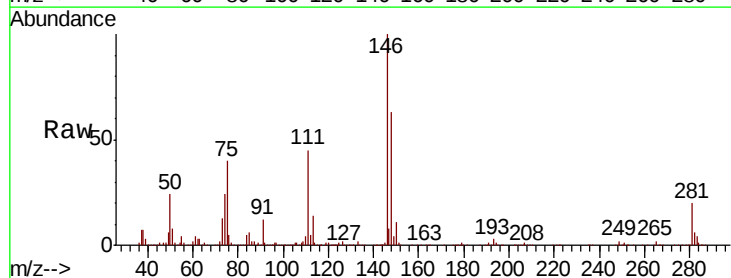
Tgt Ion: 91 Resp: 211399

Ion Ratio Lower Upper

91 100

126 17.6 14.3 21.5

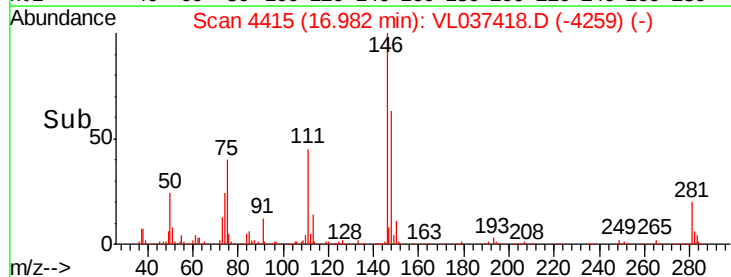
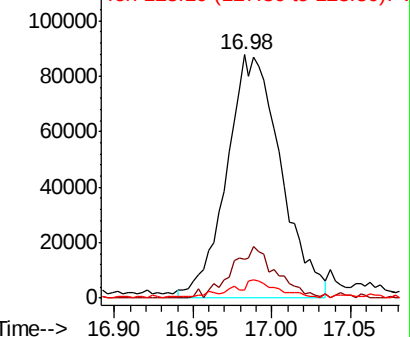
128 6.4 4.6 7.0

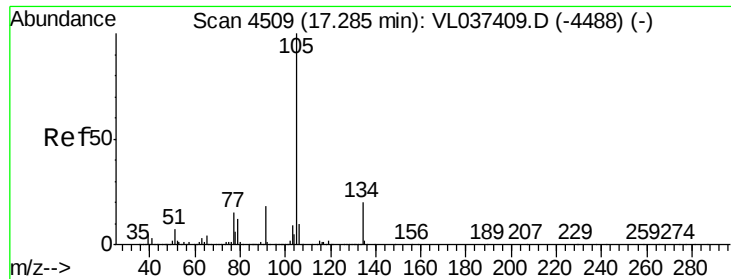


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.761 ppbv

RT: 17.29 min Scan# 4512

Delta R.T. 0.01 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

Instrument :

MSVOA_L

ClientSampleId :

VL0812ABS01

Tot Ion:105 Resp: 6386807

Ion Ratio Lower Upper

105 100

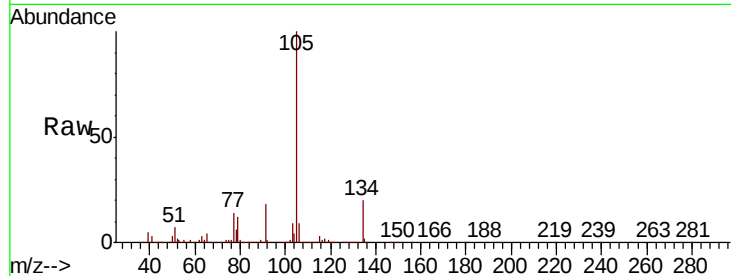
134 19.4 15.4 23.0

Manual Integrations

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.29

2500000

2000000

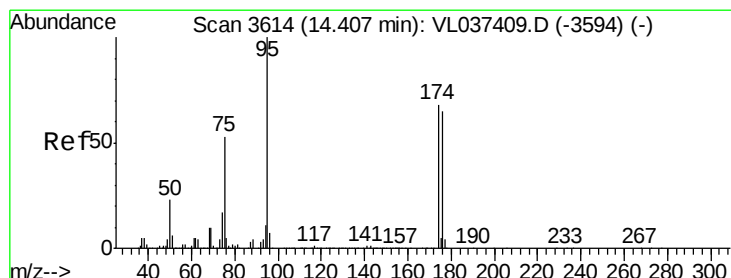
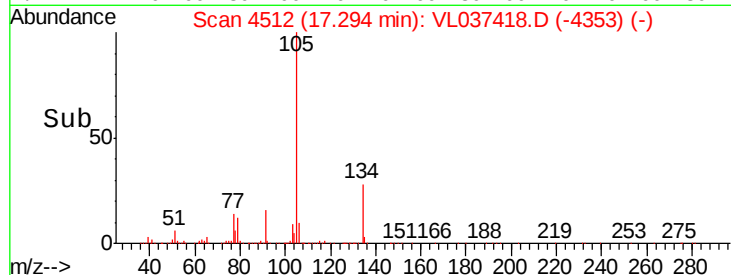
1500000

1000000

500000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.078 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. 0.01 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

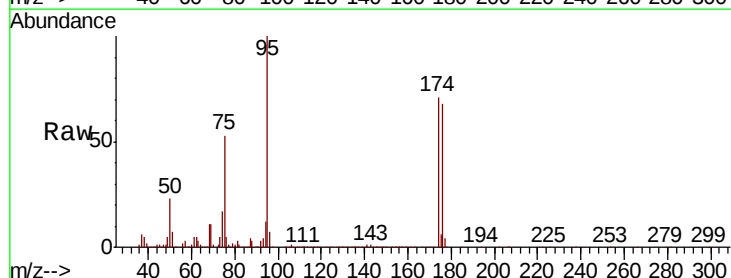
Tgt Ion: 95 Resp: 2713119

Ion Ratio Lower Upper

95 100

174 74.1 59.6 89.4

175 5.4 4.3 6.5



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

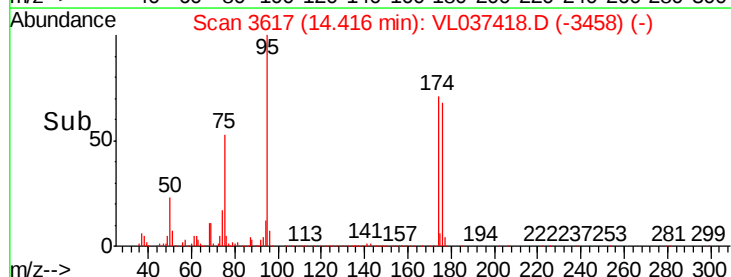
14.42

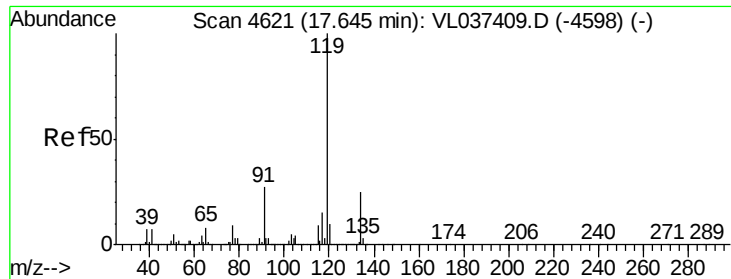
1000000

500000

0

Time-->





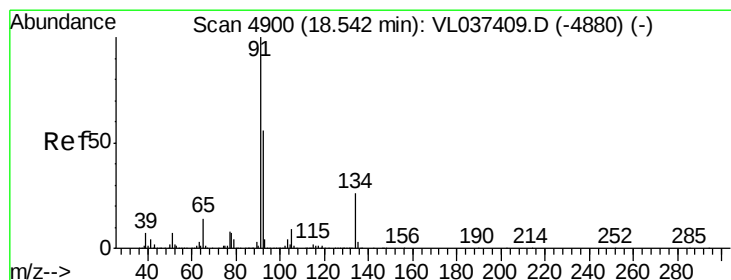
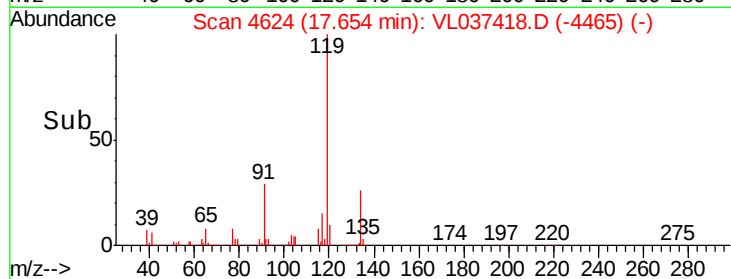
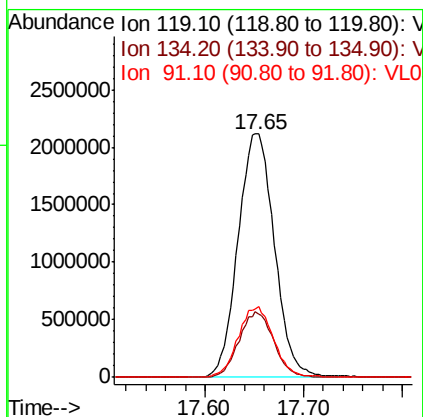
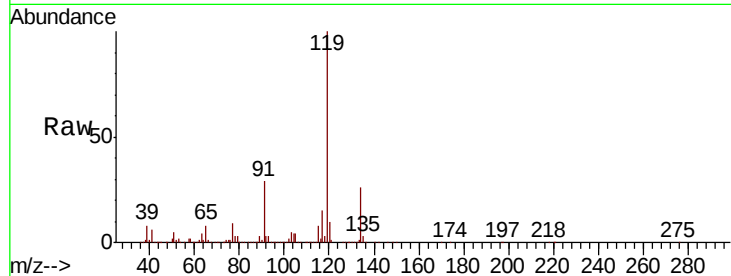
#69
 p-Isopropyltoluene
 Concen: 9.032 ppbv
 RT: 17.65 min Scan# 4624
 Delta R.T. 0.01 min
 Lab File: VL037418.D
 Acq: 12 Aug 2021 17:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0812ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.6	31.0
91	28.1	22.4	33.6

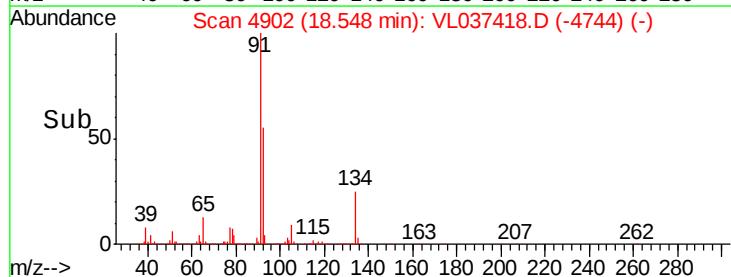
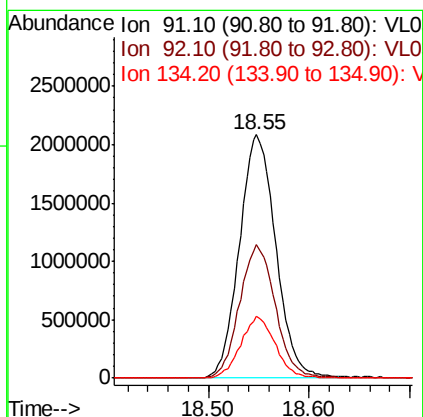
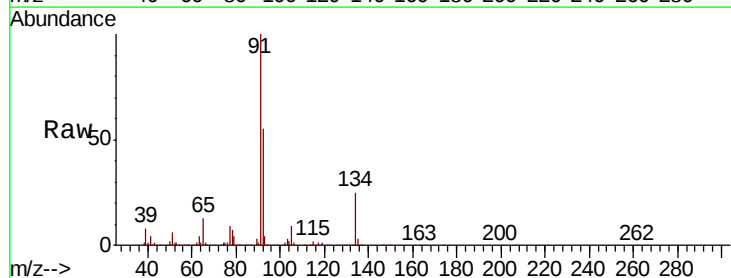
Manual Integrations
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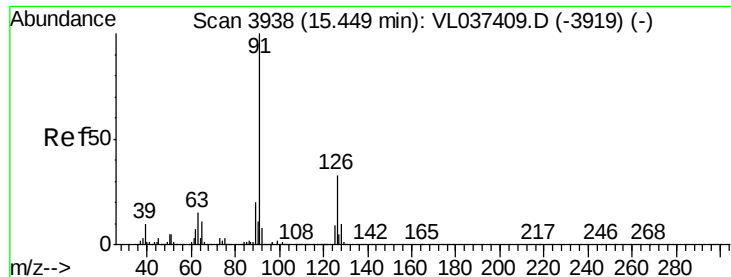
apatel
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#70
 n-Butylbenzene
 Concen: 9.377 ppbv
 RT: 18.55 min Scan# 4902
 Delta R.T. 0.01 min
 Lab File: VL037418.D
 Acq: 12 Aug 2021 17:18

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.4	44.2	66.2
134	24.1	19.5	29.3





#71

2-Chlorotoluene

Concen: 9.056 ppbv

RT: 15.45 min Scan# 3939

Delta R.T. 0.00 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

Instrument :

MSVOA_L

ClientSampleId :

VL0812ABS01

Tot Ion: 91 Resp: 3805509

Ion Ratio Lower Upper

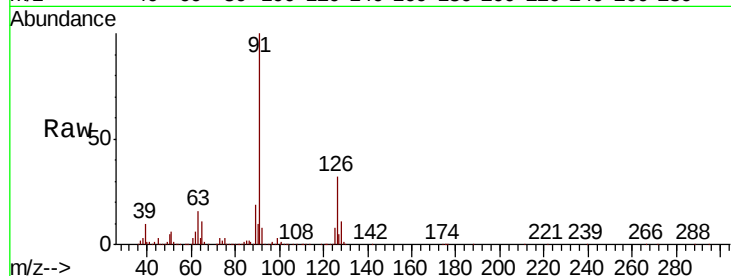
91 100

126 33.3 13.5 53.9

Manual Integrations
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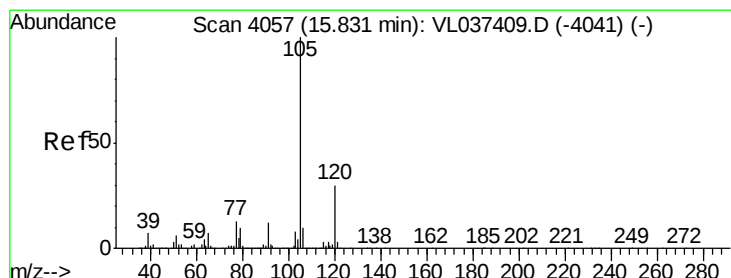
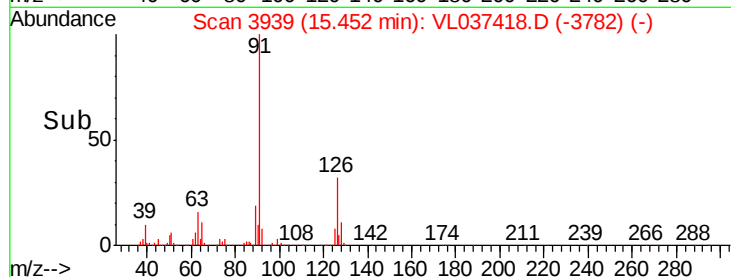
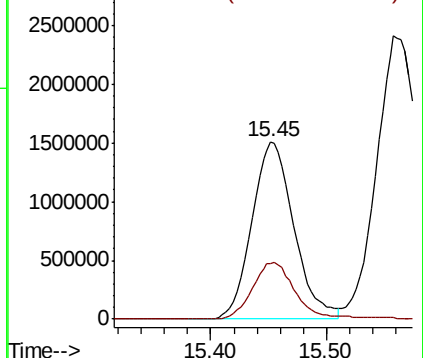
apatel

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.236 ppbv

RT: 15.84 min Scan# 4059

Delta R.T. 0.01 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

Tgt Ion: 105 Resp: 4453815

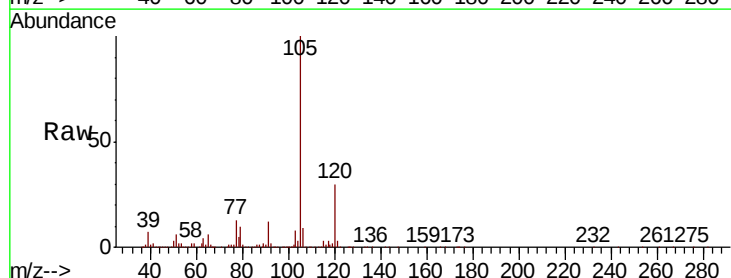
Ion Ratio Lower Upper

105 100

120 30.7 25.0 37.4

91 12.4 11.2 16.8

77 13.4 11.2 16.8

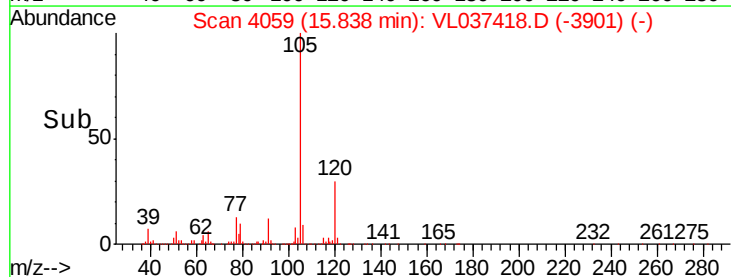
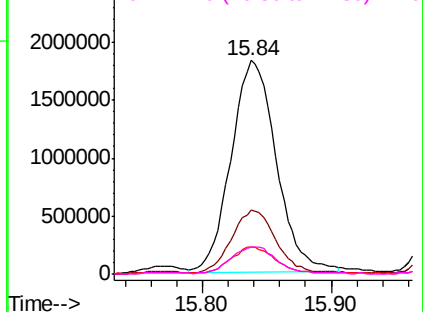


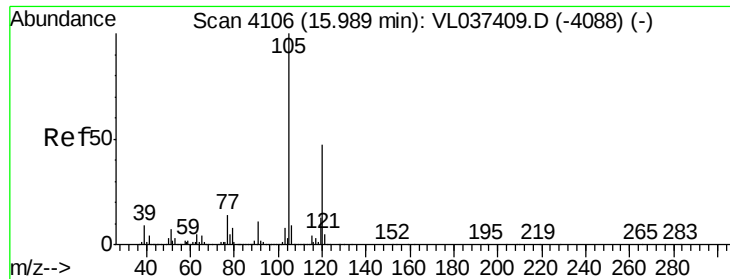
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





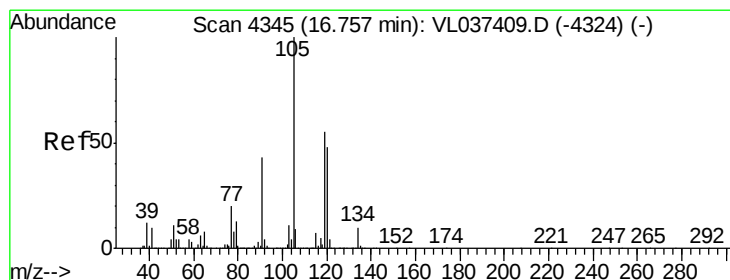
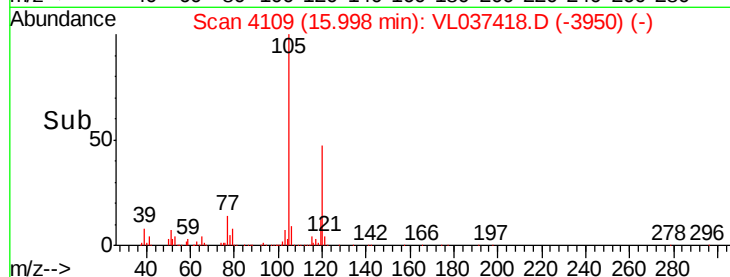
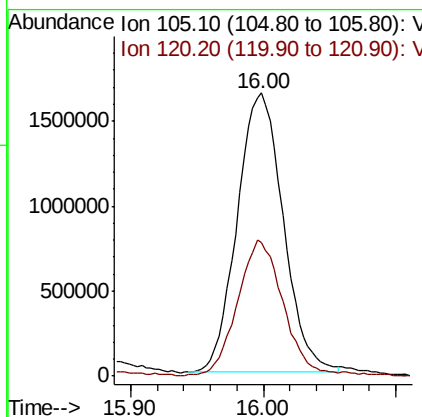
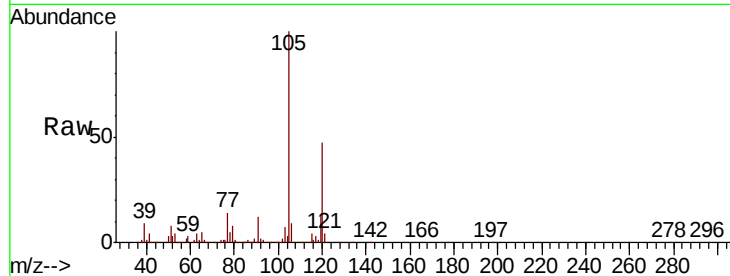
#73
 1,3,5-Trimethylbenzene
 Concen: 8.678 ppbv
 RT: 16.00 min Scan# 4109
 Delta R.T. 0.01 min
 Lab File: VL037418.D
 Acq: 12 Aug 2021 17:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0812ABS01

Tot Ion:105 Resp: 3956495
 Ion Ratio Lower Upper
 105 100
 120 47.5 37.4 56.0

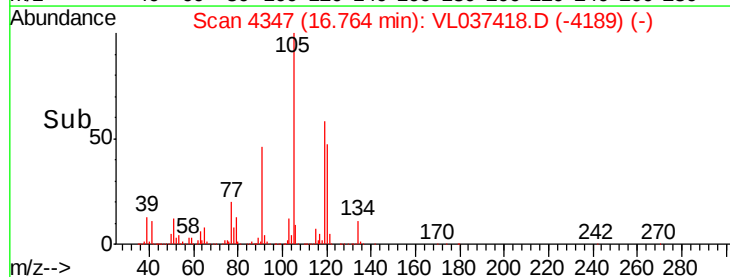
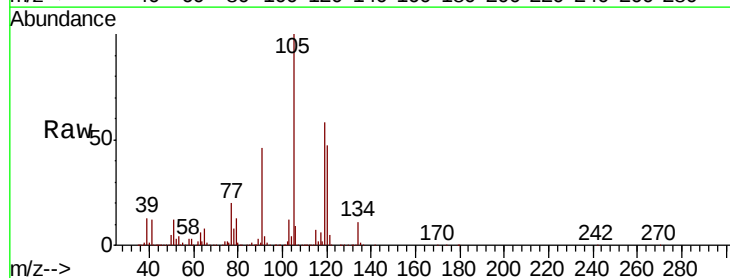
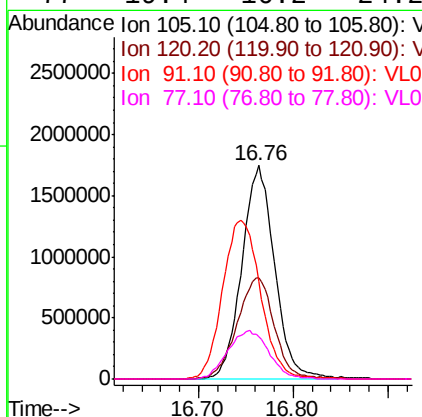
Manual Integrations
 APPROVED

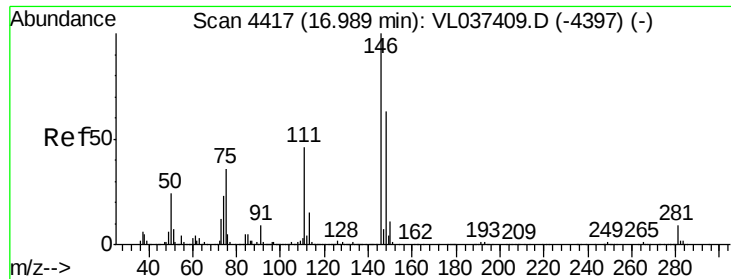
apatel
 8/13/2021 11:07:01 AM



#74
 1,2,4-Trimethylbenzene
 Concen: 9.018 ppbv
 RT: 16.76 min Scan# 4347
 Delta R.T. 0.01 min
 Lab File: VL037418.D
 Acq: 12 Aug 2021 17:18

Tgt Ion:105 Resp: 4209383
 Ion Ratio Lower Upper
 105 100
 120 47.3 38.2 57.2
 91 45.3 35.4 53.2
 77 19.4 16.2 24.2





#75

1,3-Dichlorobenzene

Concen: 8.702 ppbv

RT: 17.00 min Scan# 4419

Delta R.T. 0.01 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

Instrument :

MSVOA_L

ClientSampleId :

VL0812ABS01

Tot Ion:146 Resp: 2485774

Ion Ratio Lower Upper

146 100

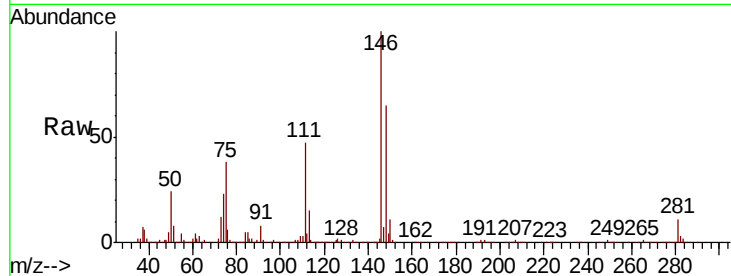
111 46.2 22.9 68.7

148 65.0 32.0 96.2

Manual Integrations
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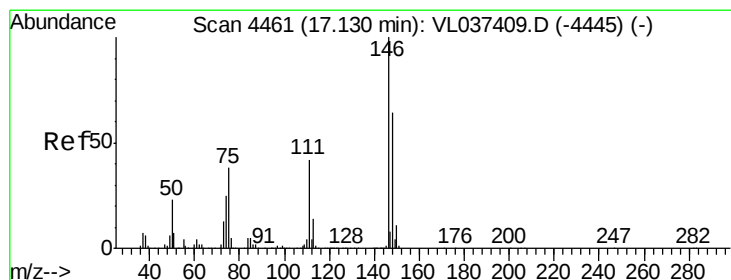
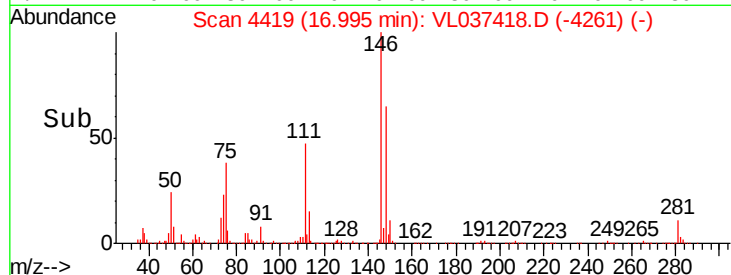
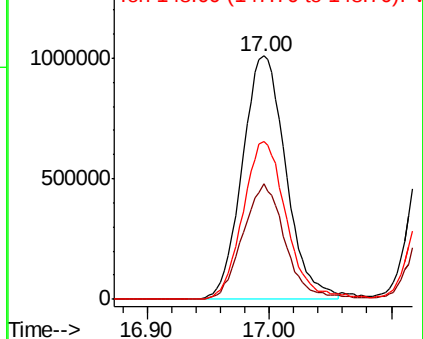
8/13/2021 11:07:01 AM



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.515 ppbv

RT: 17.13 min Scan# 4462

Delta R.T. 0.00 min

Lab File: VL037418.D

Acq: 12 Aug 2021 17:18

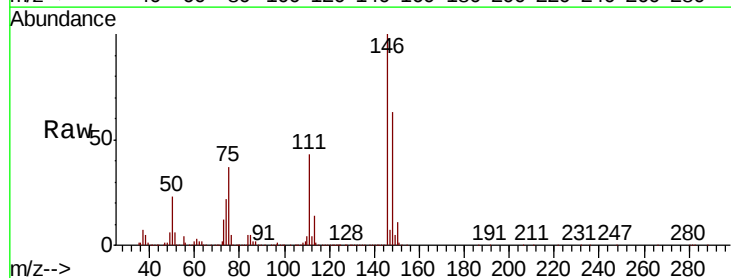
Tgt Ion:146 Resp: 2411297

Ion Ratio Lower Upper

146 100

111 45.7 22.8 68.4

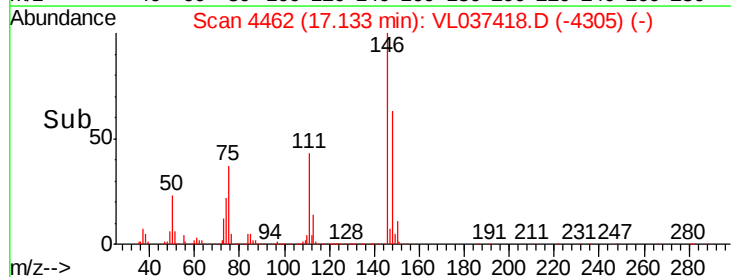
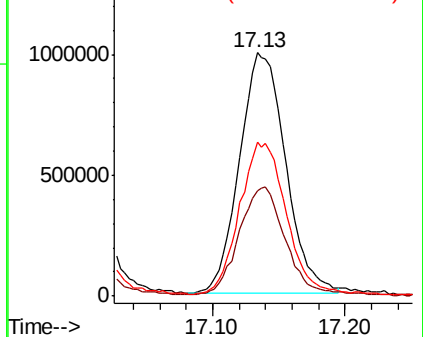
148 65.7 34.0 102.0

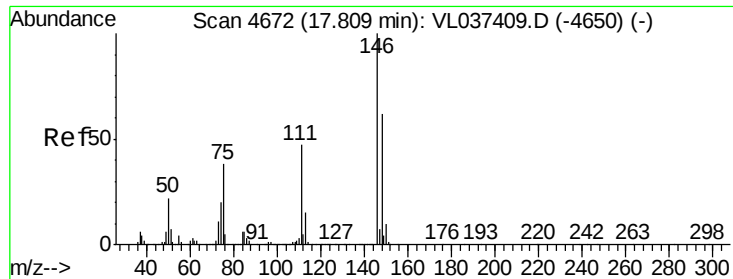


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





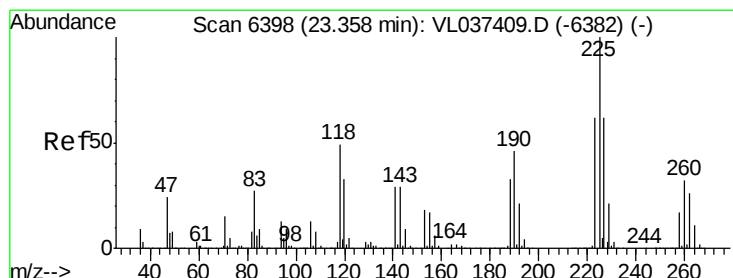
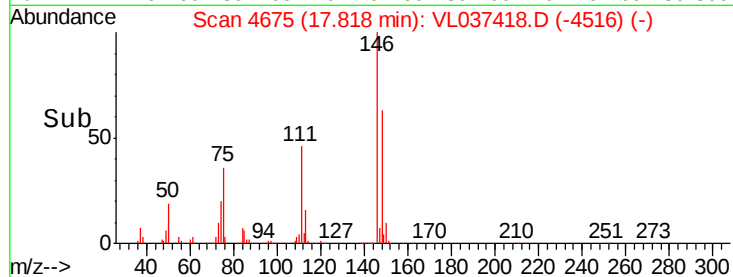
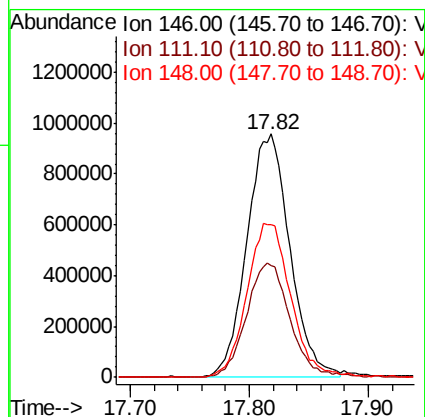
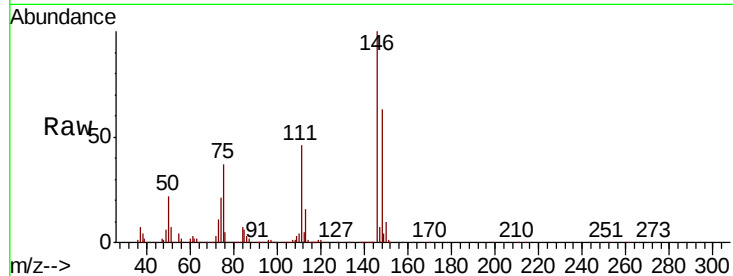
#77
 1,2-Dichlorobenzene
 Concen: 8.684 ppbv
 RT: 17.82 min Scan# 4675
 Delta R.T. 0.01 min
 Lab File: VL037418.D
 Acq: 12 Aug 2021 17:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0812ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.8	23.8	71.5
148	64.9	32.5	97.4

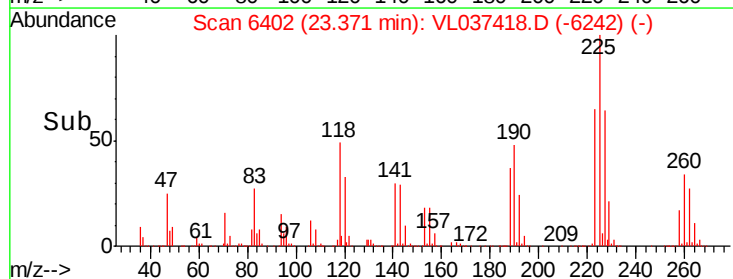
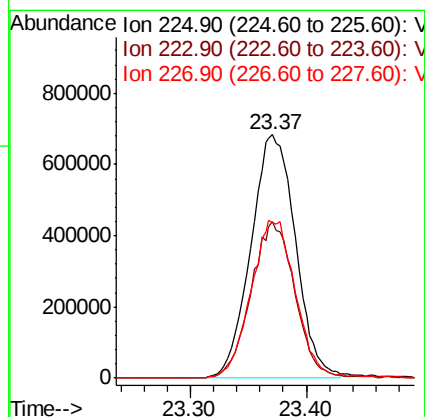
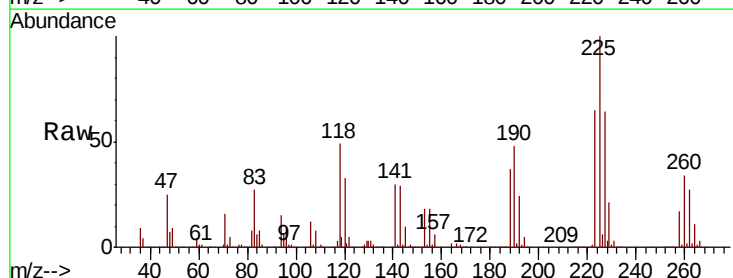
Manual Integrations
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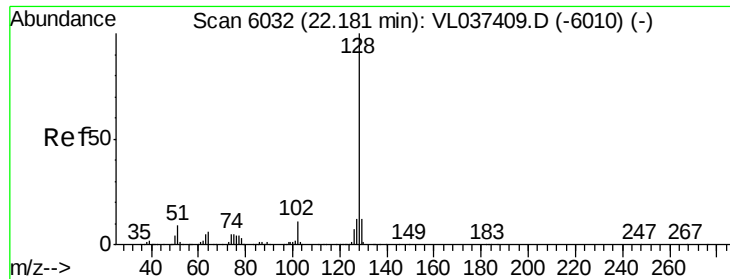
apatel
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.200 ppbv
 RT: 23.37 min Scan# 6402
 Delta R.T. 0.01 min
 Lab File: VL037418.D
 Acq: 12 Aug 2021 17:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	51.2	76.8
227	65.3	52.2	78.4





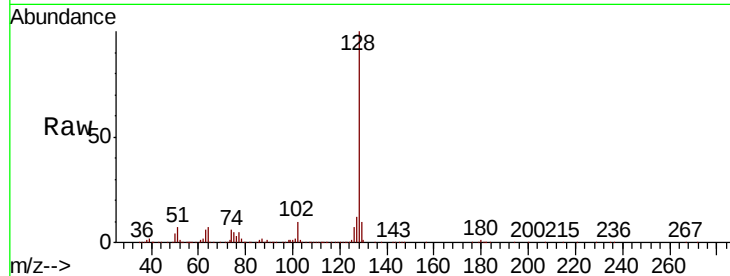
#79
Naphthalene
Concen: 12.190 ppbv
RT: 22.20 min Scan# 6037
Delta R.T. 0.02 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

Instrument :
MSVOA_L
ClientSampleId :
VL0812ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.9	14.9
129	10.5	9.4	14.0

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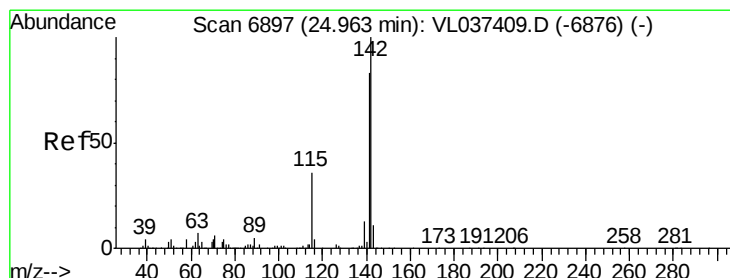
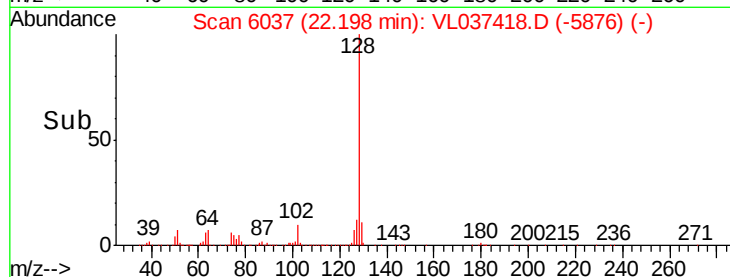
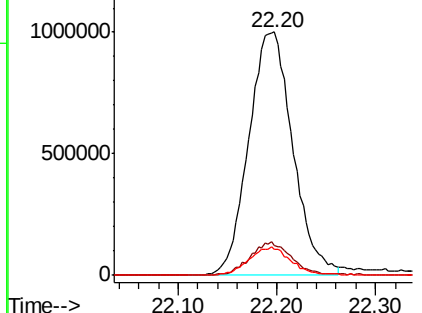


Abundance

Ion 128.10 (127.80 to 128.80): V

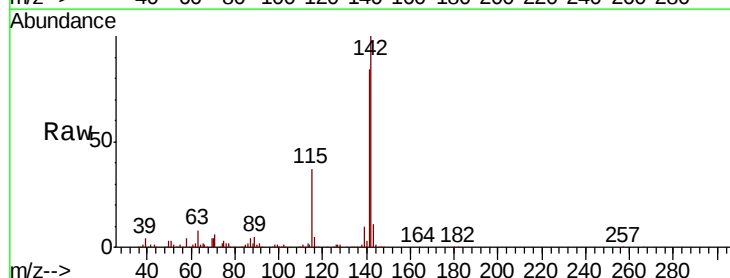
Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80
Naphthalene, 2-methyl-
Concen: 14.717 ppbv
RT: 24.97 min Scan# 6899
Delta R.T. 0.01 min
Lab File: VL037418.D
Acq: 12 Aug 2021 17:18

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.5	68.7	103.1
115	34.6	32.7	49.1

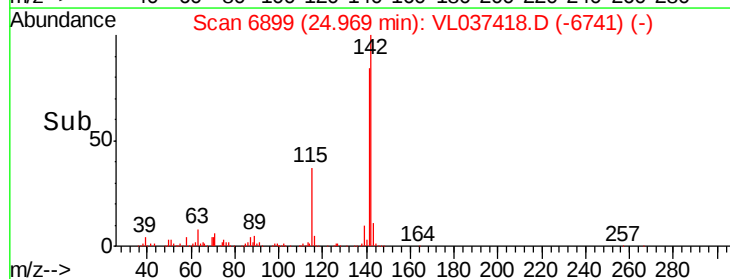
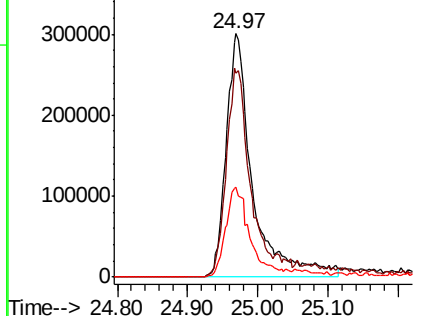


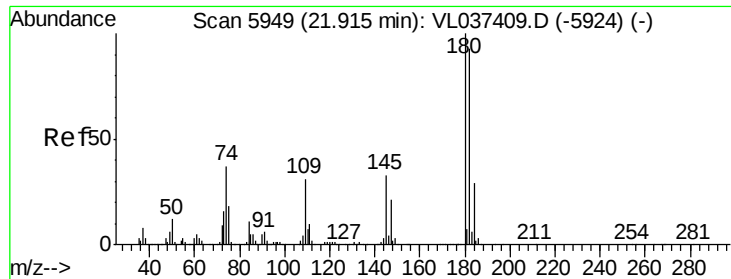
Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 10.733 ppbv
 RT: 21.92 min Scan# 5951
 Delta R.T. 0.01 min
 Lab File: VL037418.D
 Acq: 12 Aug 2021 17:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0812ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.8	78.6	118.0
184	31.3	24.6	36.8

Manual Integrations
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