

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121124\
 Data File : VL041742.D
 Acq On : 12 Dec 2024 10:01
 Operator : SY/MD
 Sample : P5150-03 4X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 12 14:22:49 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121124AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

QLast Update : Thu Dec 12 13:35:39 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.771	49	241459	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	3.936	114	1158894	10.000	ppbv	-0.03
55) Chlorobenzene-d5	8.862	117	1050344	10.000	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.364 95 714825 10.352 ppbv -0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.489	85	5389	0.127	ppbv	100
3) Chlorodifluoromethane	1.466	51	5091	0.155	ppbv	93
4) Chloromethane	1.525	50	1343	0.119	ppbv	99
7) Chloroethane	1.693	64	342	0.057	ppbv #	72
9) Propene	1.476	41	12599	0.899	ppbv	92
10) Heptane	4.952	43	178890	4.617	ppbv	99
11) Trichlorofluoromethane	1.868	101	2605	0.053	ppbv	97
13) Ethanol	1.712	45	10559	9.108	ppbv	98
15) Acetone	1.826	43	108547	3.894	ppbv	90
16) 1,3-Butadiene	1.593	39	3476	0.372	ppbv #	1
17) tert-Butyl alcohol	2.033	59	3227	0.080	ppbv #	64
19) Isopropyl Alcohol	1.874	45	10836	0.409	ppbv #	1
20) Methylene Chloride	2.052	84	2800	0.166	ppbv	98
22) trans-1,2-Dichloroethene	2.706	96	109737	4.734	ppbv	97
23) Vinyl Acetate	2.460	43	41272	2.445	ppbv #	49
25) Ethyl Acetate	4.952	43	178890	4.617	ppbv #	100
26) Hexane	2.809	57	272822	7.260	ppbv #	42
27) Carbon Disulfide	2.140	76	6472	0.167	ppbv #	1
29) Chloroform	2.832	83	6898	0.120	ppbv	98
30) Cyclohexane	3.836	84	108545	2.572	ppbv	97
31) cis-1,2-Dichloroethene	2.706	61	119028	3.419	ppbv	96
34) 2-Butanone	2.544	43	88590	2.183	ppbv	98
35) Carbon Tetrachloride	3.745	117	2187	0.041	ppbv	92
36) Benzene	3.638	78	71634	0.786	ppbv	94
37) 1,2-Dichloroethane	3.201	62	3786	0.115	ppbv #	69
38) Trichloroethene	4.522	130	84403	1.786	ppbv	97
39) 1,2-Dichloropropane	3.936	63	190113	6.548	ppbv #	31
41) Tetrahydrofuran	3.043	42	35413	1.448	ppbv	97
43) Methyl Methacrylate	4.949	69	2198	0.067	ppbv #	1
44) 2,2,4-Trimethylpentane	4.616	57	12268	0.097	ppbv #	46
47) 1,1,2-Trichloroethane	6.447	97	3682	0.095	ppbv #	39
51) 2-Hexanone	7.409	43	235940	4.929	ppbv #	54
52) Tetrachloroethene	8.205	164	1512748	31.335	ppbv	99
53) Toluene	6.907	91	482777	4.311	ppbv	99
57) Chlorobenzene	8.849	112	45940	0.481	ppbv #	45
58) Ethyl Benzene	9.338	91	245019	1.743	ppbv	99
59) m/p-Xylene	9.516	91	417826	3.879	ppbv	98
60) o-Xylene	9.950	91	185505	1.737	ppbv	95
62) Isopropylbenzene	10.526	105	95859	0.544	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.933	83	38477	0.557	ppbv #	46
64) n-propylbenzene	10.979	120	51926	1.001	ppbv	80
65) tert-Butylbenzene	11.526	119	31735	0.190	ppbv #	43
67) sec-Butylbenzene	12.186	105	11179	0.052	ppbv	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121124\
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Acq On : 12 Dec 2024 10:01
Operator : SY/MD
Sample : P5150-03 4X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

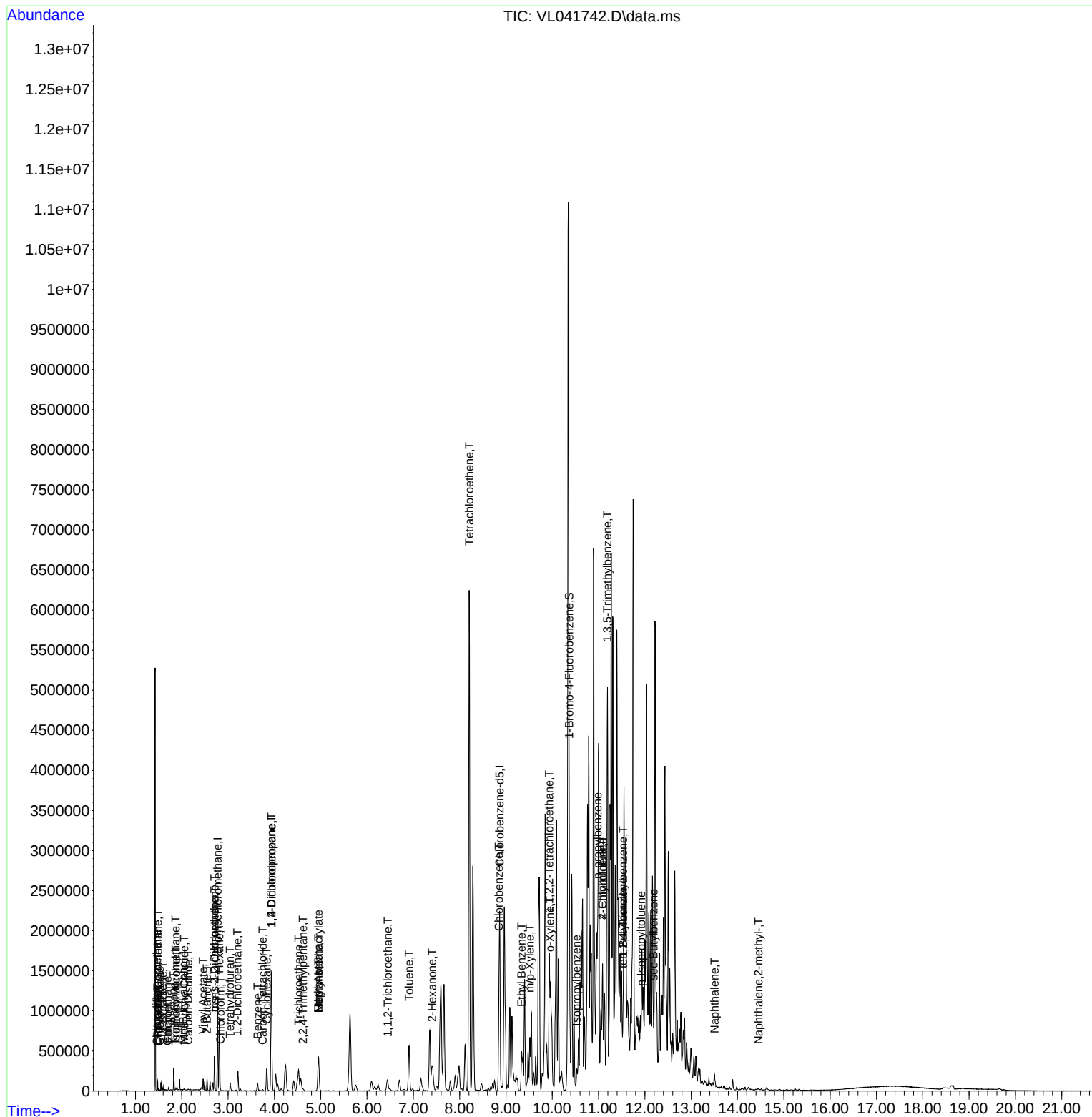
Quant Time: Dec 12 14:22:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121124AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Thu Dec 12 13:35:39 2024
Response via : Initial Calibration

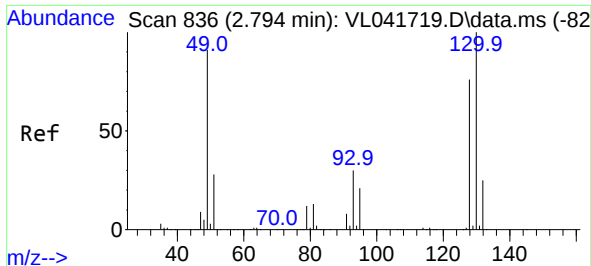
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) p-Isopropyltoluene	11.917	119	39196	0.210	ppbv	96
71) 2-Chlorotoluene	11.086	91	36741	0.307	ppbv	97
72) 4-Ethyltoluene	11.086	105	320742	2.326	ppbv #	79
73) 1,3,5-Trimethylbenzene	11.192	105	121827	1.092	ppbv	97
74) 1,2,4-Trimethylbenzene	11.529	105	224166	1.848	ppbv #	67
79) Naphthalene	13.507	128	4786	0.046	ppbv #	1
80) Naphthalene,2-methyl-	14.455	142	1481	0.039	ppbv #	57

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

Instrument :
MSVOA_L
ClientSampleId :

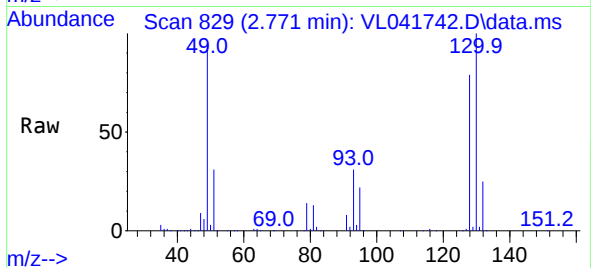
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Dec 12 13:35:39 2024
Response via : Initial Calibration



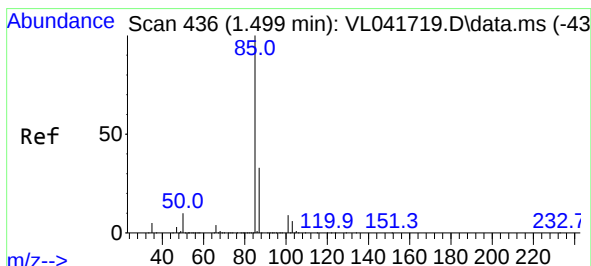
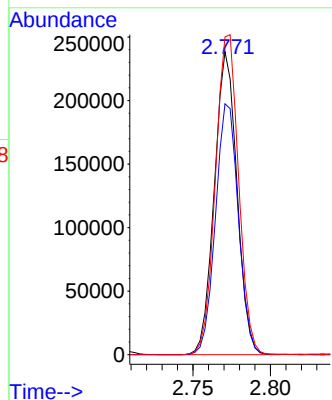


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.771 min Scan# 81
Delta R.T. -0.023 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

Instrument :
MSVOA_L
ClientSampleId :

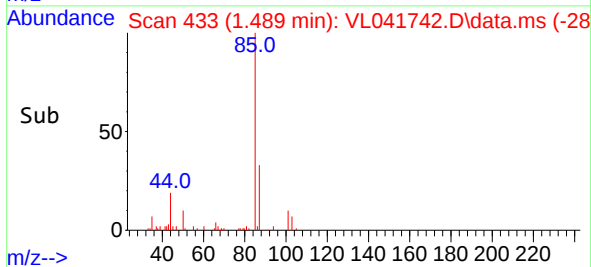
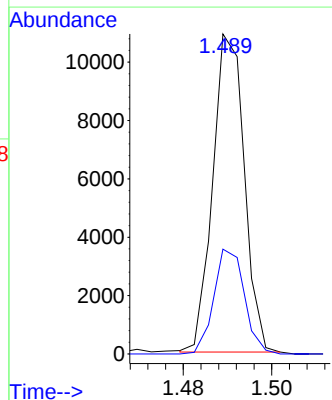
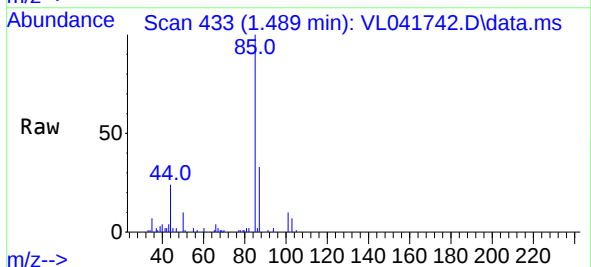


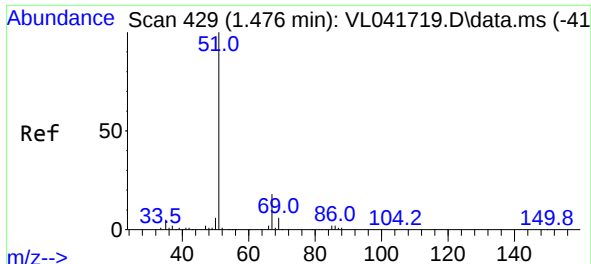
Tgt Ion: 49 Resp: 241459
Ion Ratio Lower Upper
49 100
128 84.2 42.8 128.3
130 108.2 55.8 167.4



#2
Dichlorodifluoromethane
Concen: 0.127 ppbv
RT: 1.489 min Scan# 433
Delta R.T. -0.010 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

Tgt Ion: 85 Resp: 5389
Ion Ratio Lower Upper
85 100
87 32.9 26.6 39.8

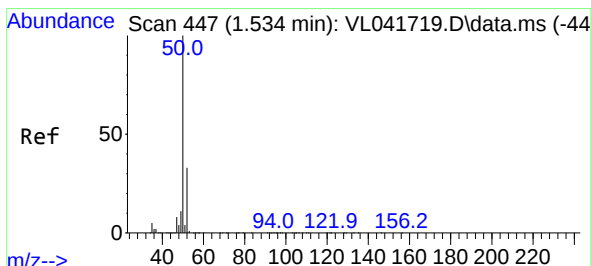
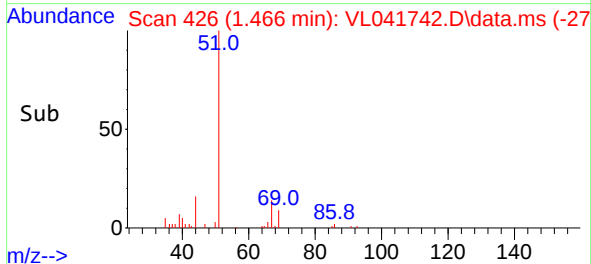
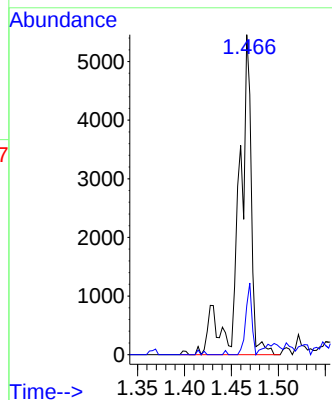
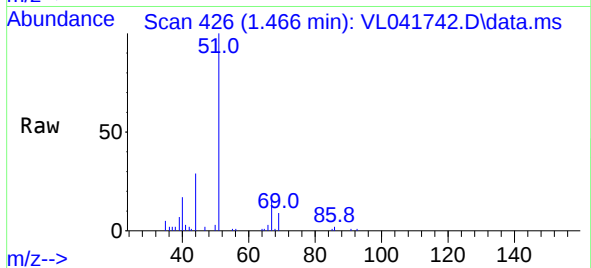




#3
Chlorodifluoromethane
Concen: 0.155 ppbv
RT: 1.466 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

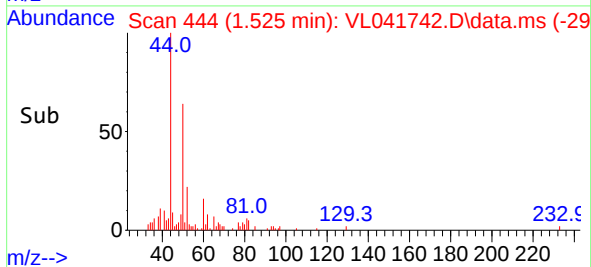
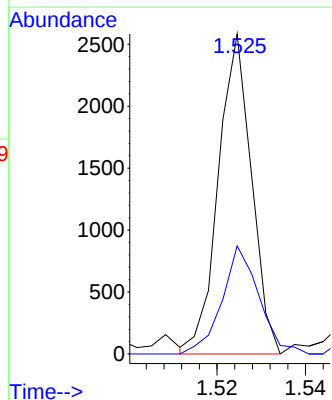
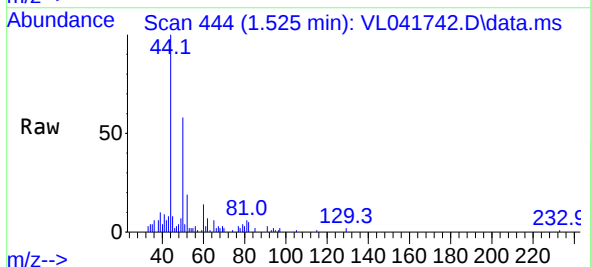
Instrument :
MSVOA_L
ClientSampleId :

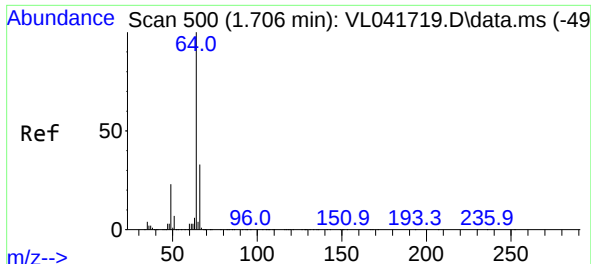
Tgt Ion: 51 Resp: 5091
Ion Ratio Lower Upper
51 100
67 15.1 14.6 21.8



#4
Chloromethane
Concen: 0.119 ppbv
RT: 1.525 min Scan# 444
Delta R.T. -0.010 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

Tgt Ion: 50 Resp: 1343
Ion Ratio Lower Upper
50 100
52 33.8 26.6 40.0

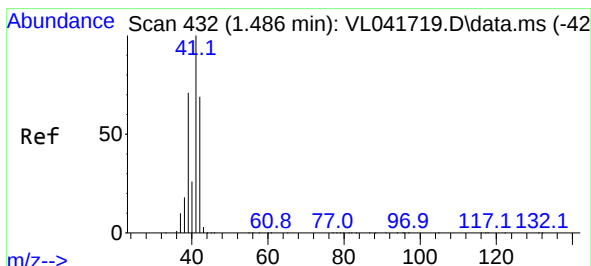
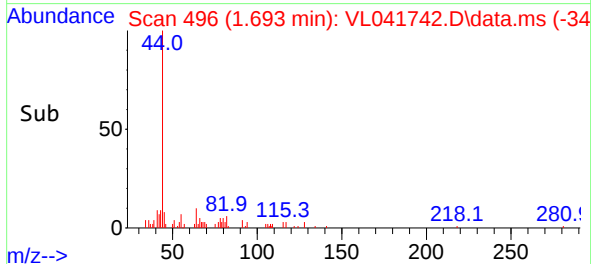
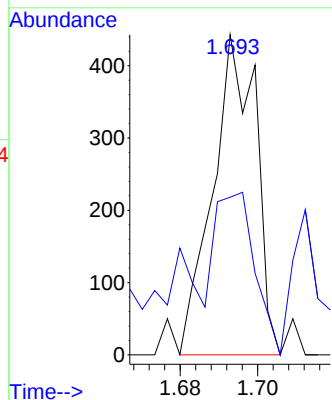
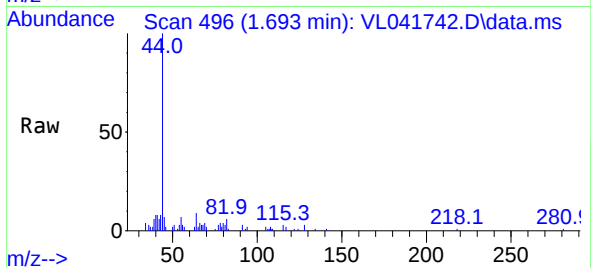




#7
Chloroethane
Concen: 0.057 ppbv
RT: 1.693 min Scan# 496
Delta R.T. -0.013 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

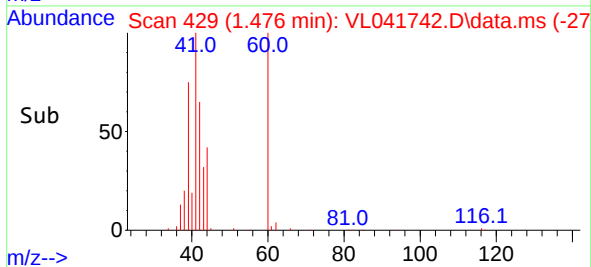
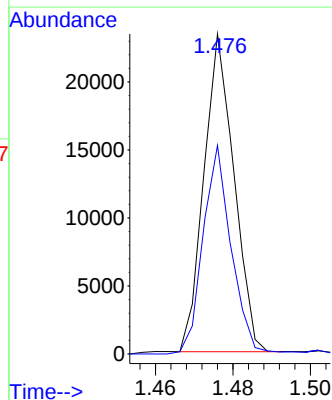
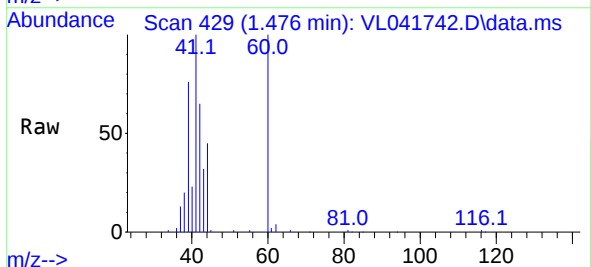
Instrument :
MSVOA_L
ClientSampleId :

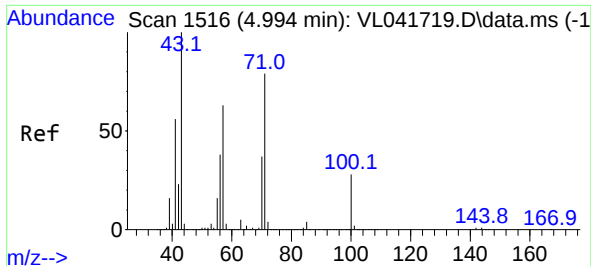
Tgt Ion: 64 Resp: 342
Ion Ratio Lower Upper
64 100
66 49.2 26.5 39.7#



#9
Propene
Concen: 0.899 ppbv
RT: 1.476 min Scan# 429
Delta R.T. -0.010 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

Tgt Ion: 41 Resp: 12599
Ion Ratio Lower Upper
41 100
42 63.4 56.2 84.4

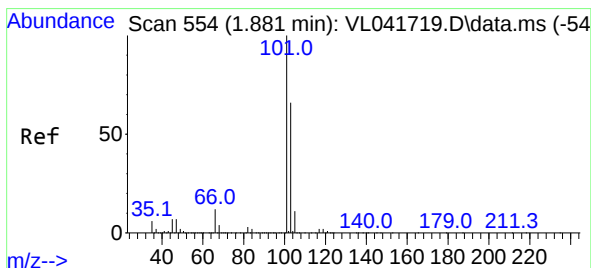
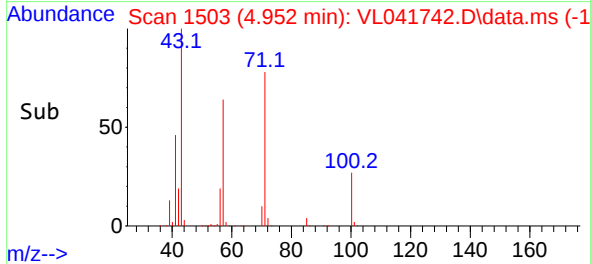
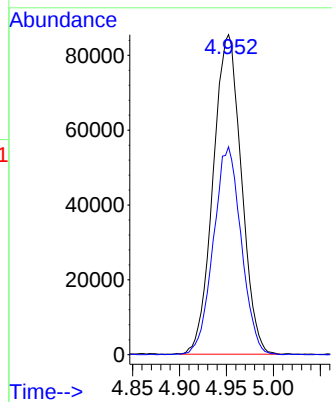
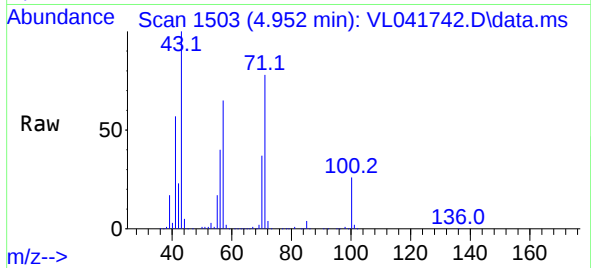




#10
Heptane
Concen: 4.617 ppbv
RT: 4.952 min Scan# 11
Delta R.T. -0.042 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

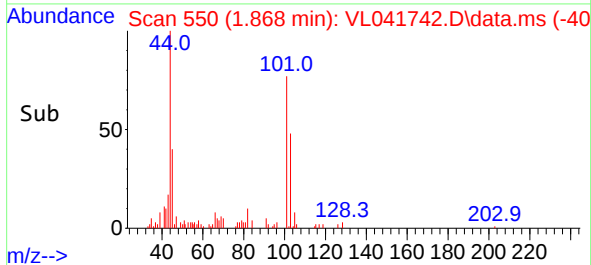
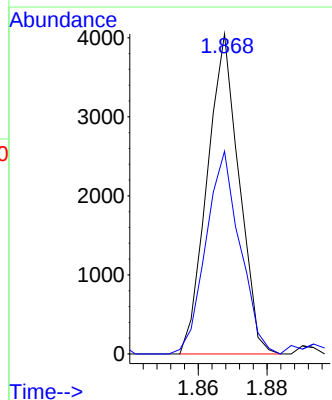
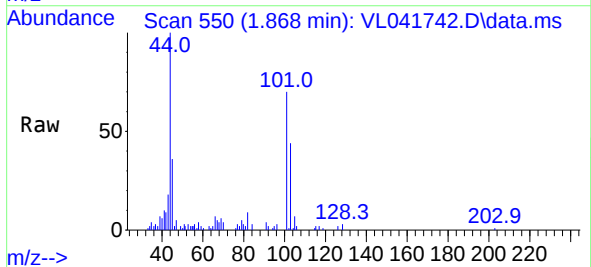
Instrument :
MSVOA_L
ClientSampleId :

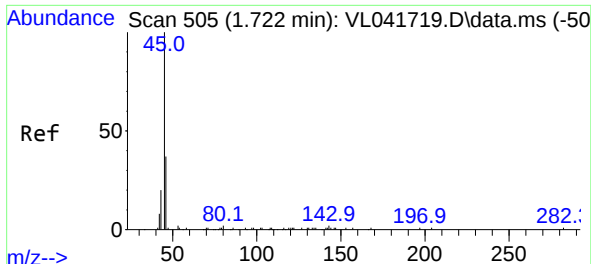
Tgt Ion: 43 Resp: 178890
Ion Ratio Lower Upper
43 100
57 64.1 50.5 75.7



#11
Trichlorofluoromethane
Concen: 0.053 ppbv
RT: 1.868 min Scan# 550
Delta R.T. -0.013 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

Tgt Ion:101 Resp: 2605
Ion Ratio Lower Upper
101 100
103 63.3 52.7 79.1

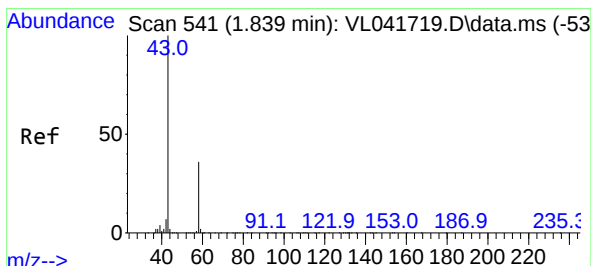
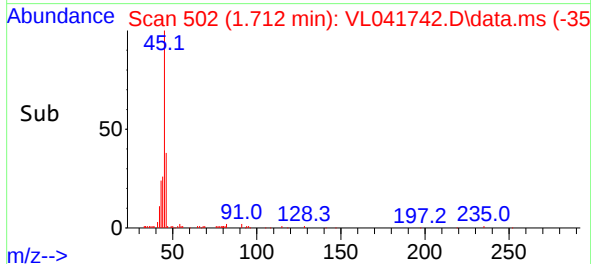
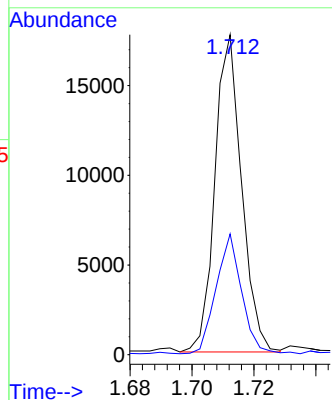
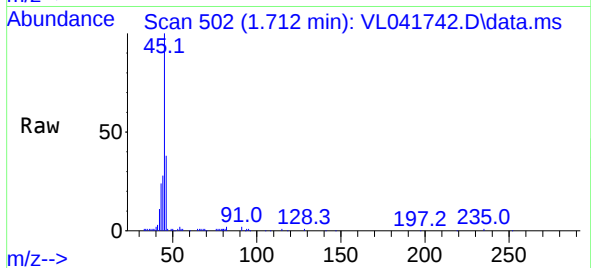




#13
Ethanol
Concen: 9.108 ppbv
RT: 1.712 min Scan# 50
Delta R.T. -0.010 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

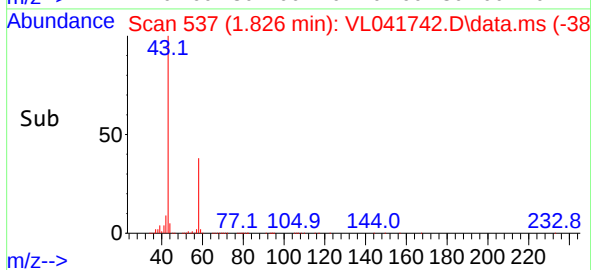
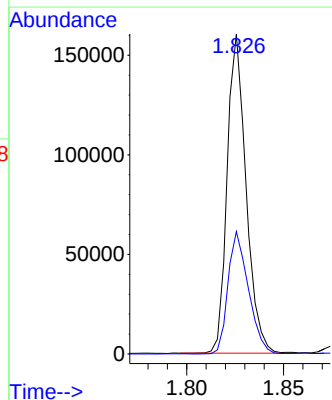
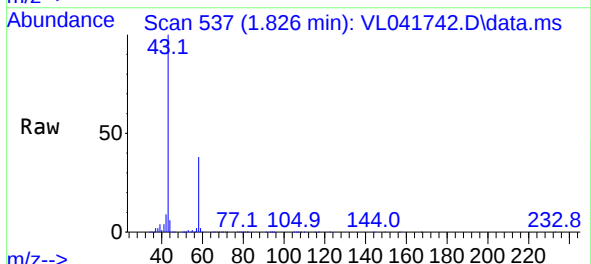
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MSVOA_L
ClientSampleId :

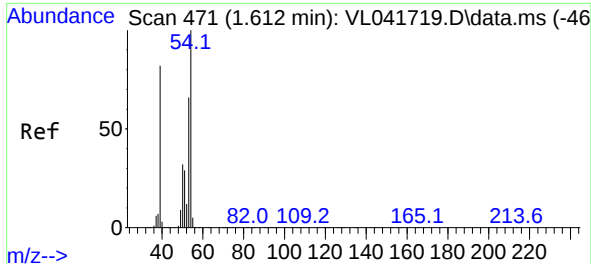
Tgt Ion: 45 Resp: 10559
Ion Ratio Lower Upper
45 100
46 40.5 16.6 66.6



#15
Acetone
Concen: 3.894 ppbv
RT: 1.826 min Scan# 537
Delta R.T. -0.013 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

Tgt Ion: 43 Resp: 108547
Ion Ratio Lower Upper
43 100
58 42.1 28.9 43.3

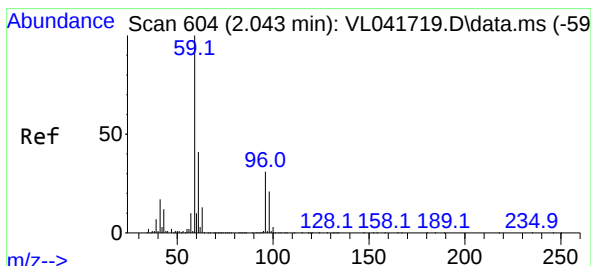
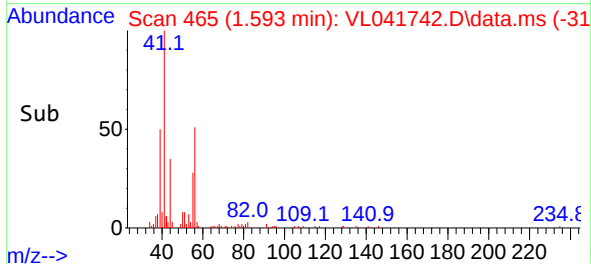
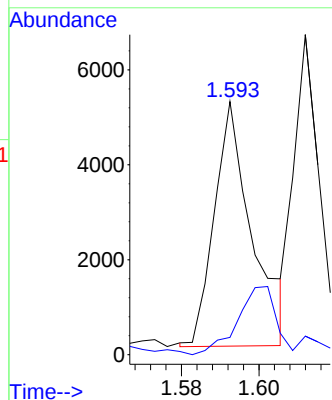
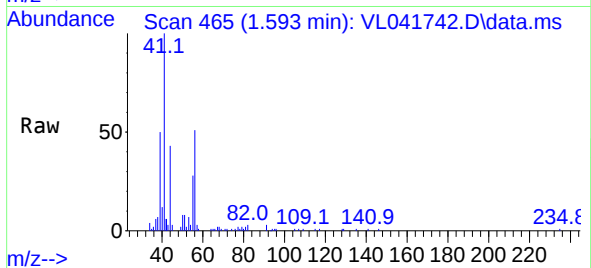




#16
1,3-Butadiene
Concen: 0.372 ppbv
RT: 1.593 min Scan# 411
Delta R.T. -0.020 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

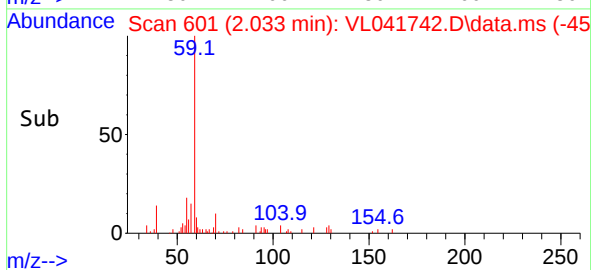
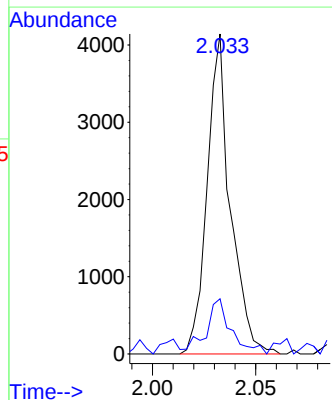
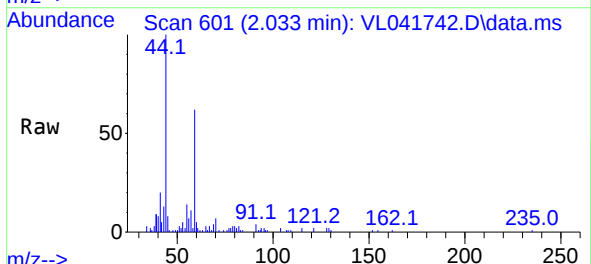
Instrument :
MSVOA_L
ClientSampleId :

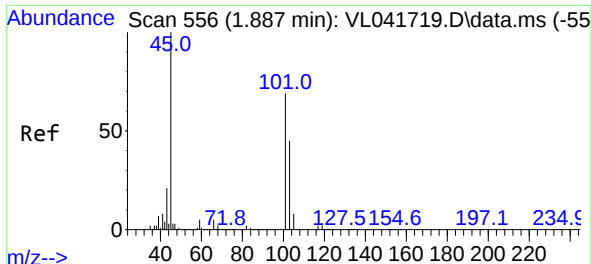
Tgt Ion: 39 Resp: 3476
Ion Ratio Lower Upper
39 100
54 0.0 85.0 127.6#



#17
tert-Butyl alcohol
Concen: 0.080 ppbv
RT: 2.033 min Scan# 601
Delta R.T. -0.010 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

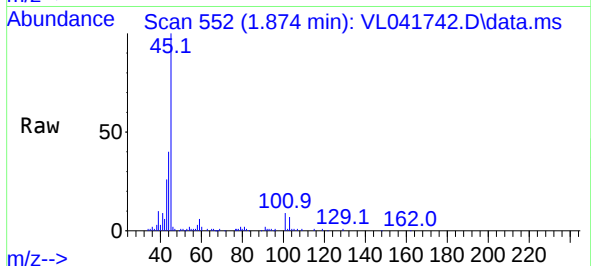
Tgt Ion: 59 Resp: 3227
Ion Ratio Lower Upper
59 100
57 23.6 8.2 12.4#



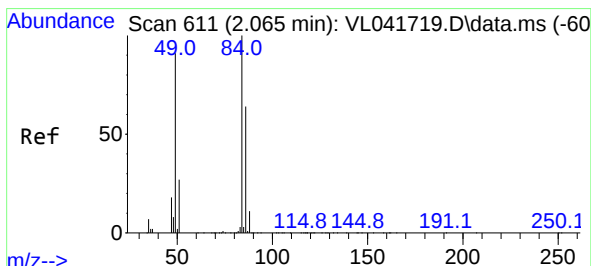
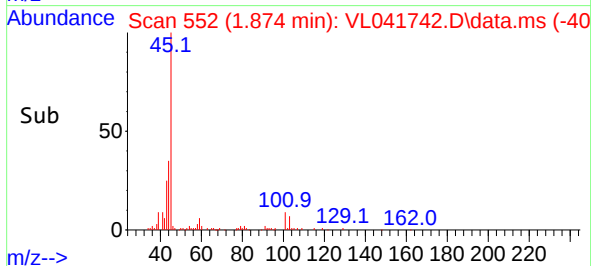
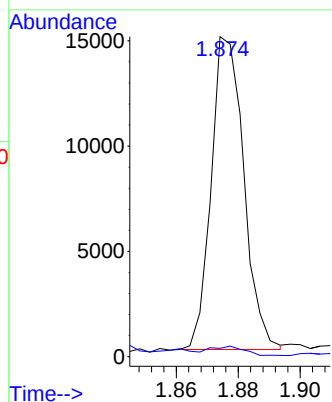


#19
Isopropyl Alcohol
Concen: 0.409 ppbv
RT: 1.874 min Scan# 51
Delta R.T. -0.013 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

Instrument :
MSVOA_L
ClientSampleId :

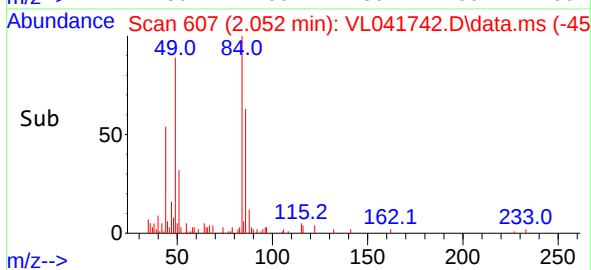
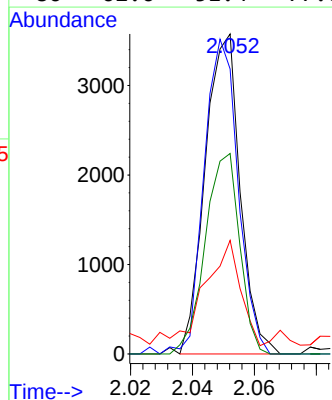
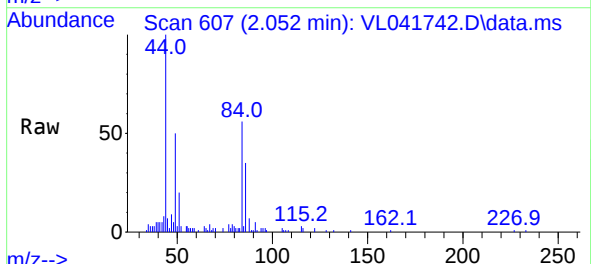


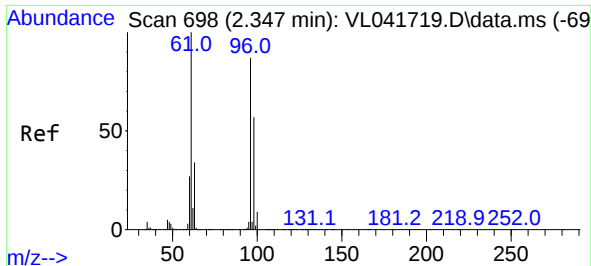
Tgt Ion: 45 Resp: 10836
Ion Ratio Lower Upper
45 100
58 422.1 40.6 61.0#



#20
Methylene Chloride
Concen: 0.166 ppbv
RT: 2.052 min Scan# 607
Delta R.T. -0.013 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

Tgt Ion: 84 Resp: 2800
Ion Ratio Lower Upper
84 100
49 89.1 73.6 110.4
51 28.3 22.7 34.1
86 62.6 51.4 77.0

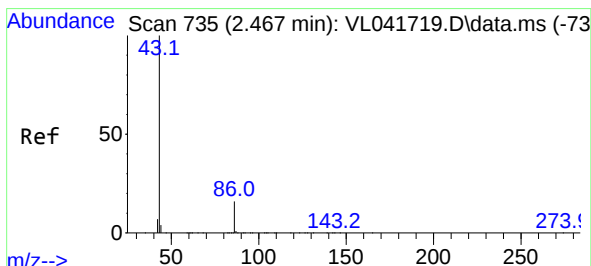
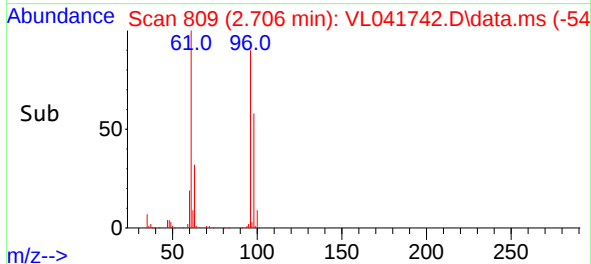
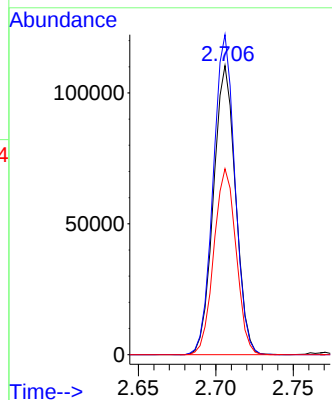
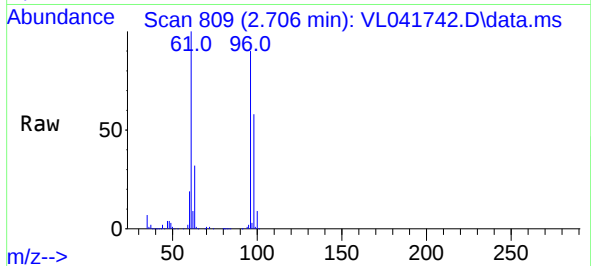




#22
trans-1,2-Dichloroethene
Concen: 4.734 ppbv
RT: 2.706 min Scan# 809
Delta R.T. 0.359 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

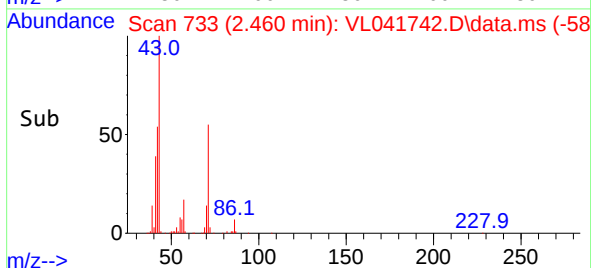
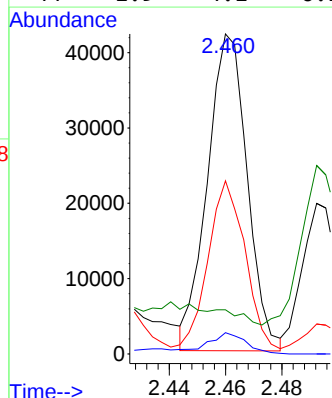
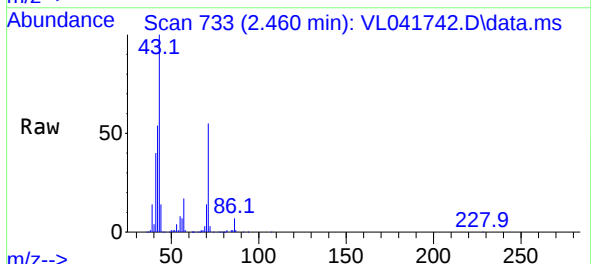
Instrument :
MSVOA_L
ClientSampleId :

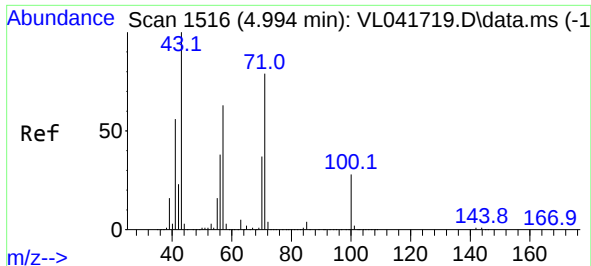
Tgt Ion: 96 Resp: 109737
Ion Ratio Lower Upper
96 100
61 110.7 91.8 137.6
98 64.3 52.7 79.1



#23
Vinyl Acetate
Concen: 2.445 ppbv
RT: 2.460 min Scan# 733
Delta R.T. -0.007 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

Tgt Ion: 43 Resp: 41272
Ion Ratio Lower Upper
43 100
86 6.8 11.5 17.3#
42 55.1 6.6 10.0#
44 1.9 4.1 6.1#



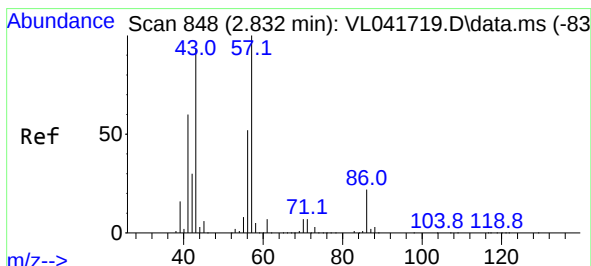
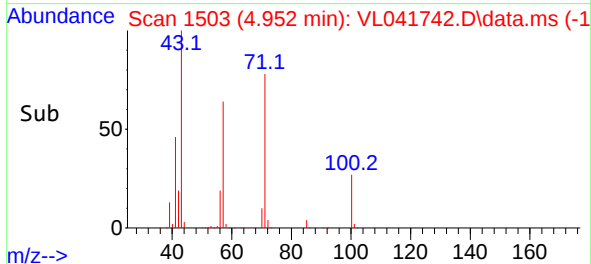
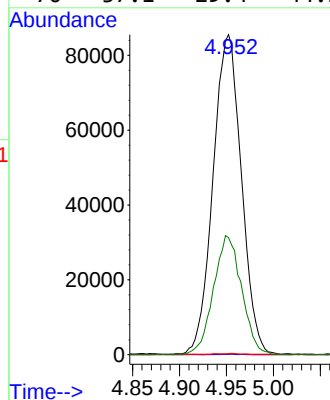
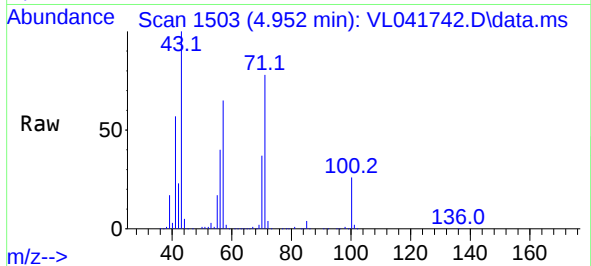


#25
Ethyl Acetate
Concen: 4.617 ppbv
RT: 4.952 min Scan# 11
Delta R.T. -0.042 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 178890

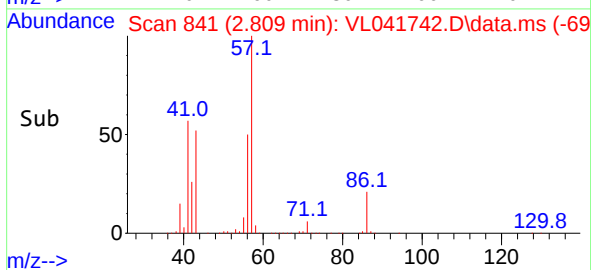
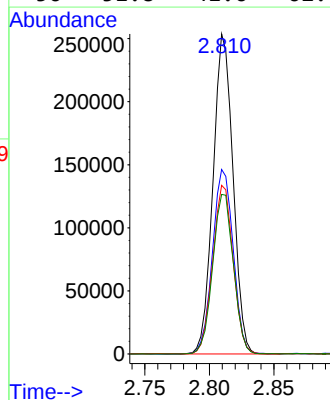
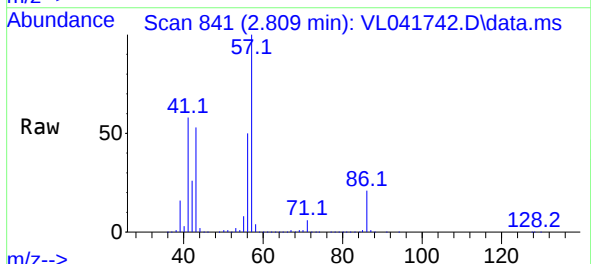
Ion	Ratio	Lower	Upper
43	100		
45	0.1	0.0	0.0#
61	0.4	0.4	0.6#
70	37.1	29.4	44.2

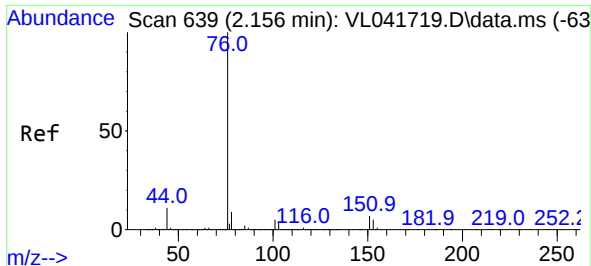


#26
Hexane
Concen: 7.260 ppbv
RT: 2.809 min Scan# 841
Delta R.T. -0.023 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

Tgt Ion: 57 Resp: 272822

Ion	Ratio	Lower	Upper
57	100		
41	59.8	49.5	74.3
43	54.1	150.6	225.8#
56	51.8	41.6	62.4





#27

Carbon Disulfide

Concen: 0.167 ppbv

RT: 2.140 min Scan# 61

Delta R.T. -0.016 min

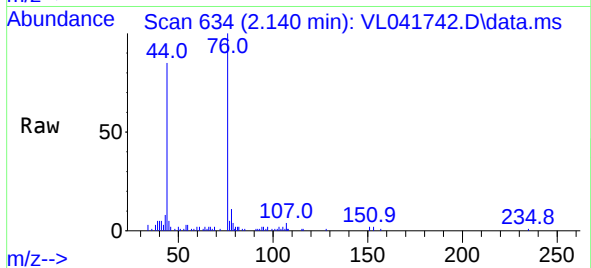
Lab File: VL041742.D

Acq: 12 Dec 2024 10:01

Instrument :

MSVOA_L

ClientSampleId :



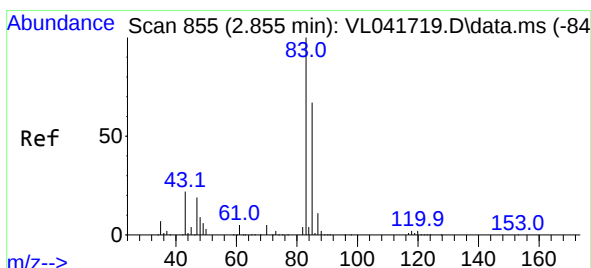
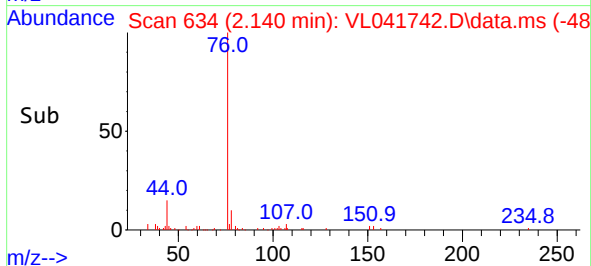
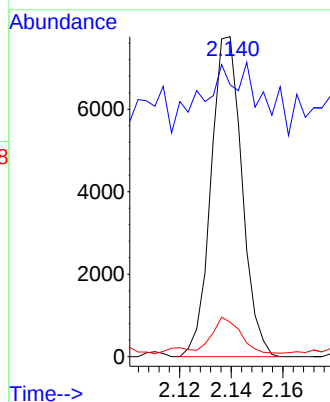
Tgt Ion: 76 Resp: 6472

Ion Ratio Lower Upper

76 100

44 109.0 9.4 14.0#

78 10.8 9.4 14.0



#29

Chloroform

Concen: 0.120 ppbv

RT: 2.832 min Scan# 848

Delta R.T. -0.023 min

Lab File: VL041742.D

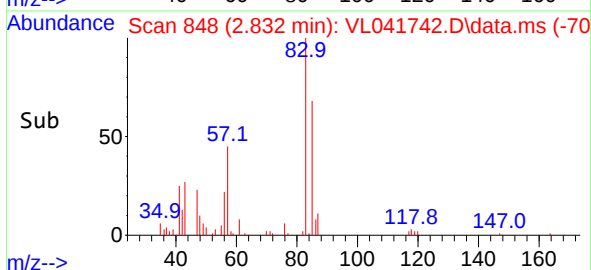
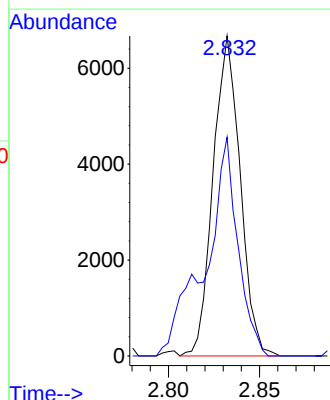
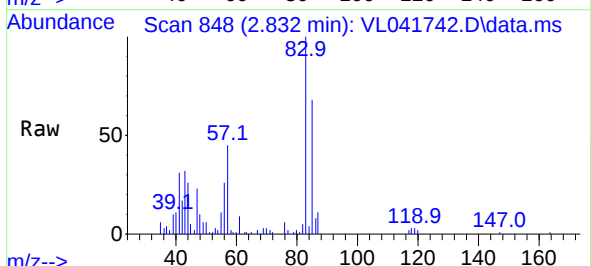
Acq: 12 Dec 2024 10:01

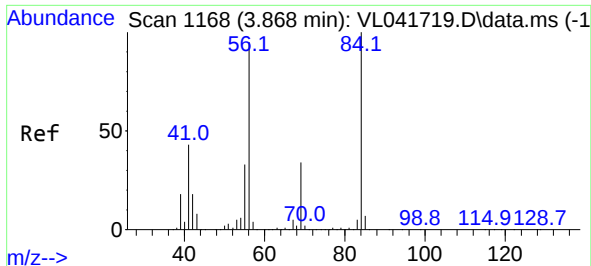
Tgt Ion: 83 Resp: 6898

Ion Ratio Lower Upper

83 100

85 68.4 53.6 80.4

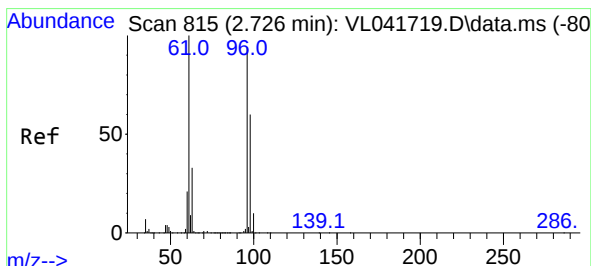
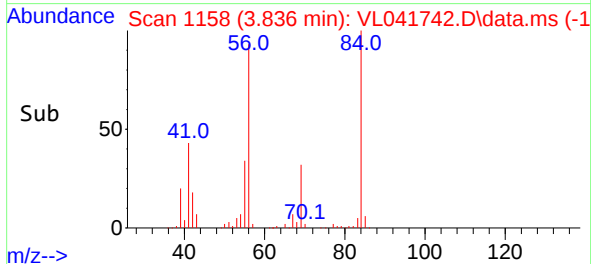
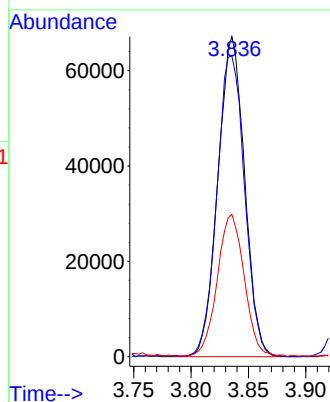
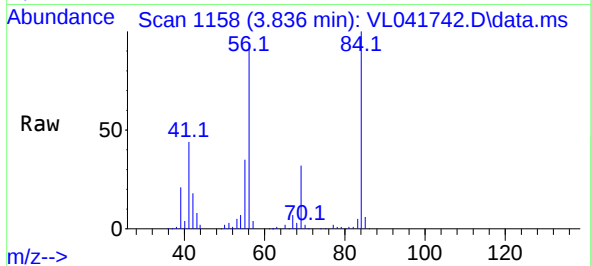




#30
Cyclohexane
Concen: 2.572 ppbv
RT: 3.836 min Scan# 1168
Delta R.T. -0.033 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

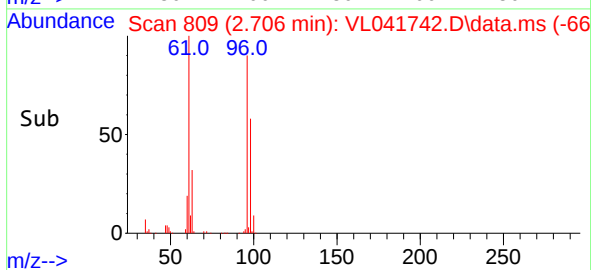
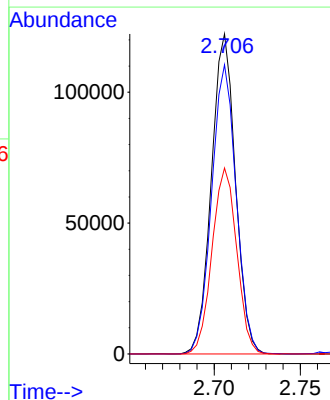
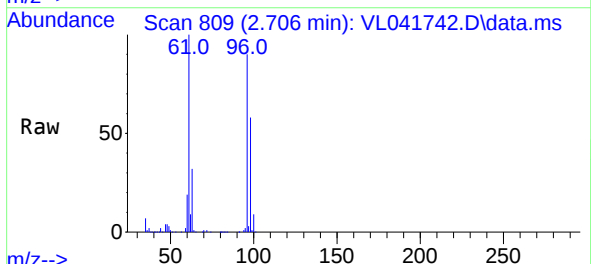
Instrument :
MSVOA_L
ClientSampleId :

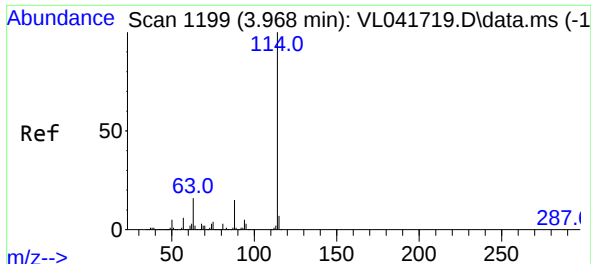
Tgt Ion: 84 Resp: 108545
Ion Ratio Lower Upper
84 100
56 98.0 76.0 114.0
41 44.7 34.2 51.4



#31
cis-1,2-Dichloroethene
Concen: 3.419 ppbv
RT: 2.706 min Scan# 809
Delta R.T. -0.020 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

Tgt Ion: 61 Resp: 119028
Ion Ratio Lower Upper
61 100
96 90.3 75.4 113.2
98 58.1 48.3 72.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.936 min Scan# 11

Delta R.T. -0.033 min

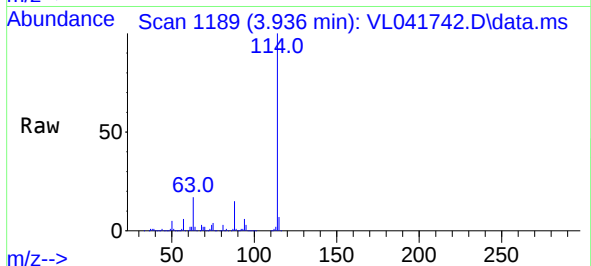
Lab File: VL041742.D

Acq: 12 Dec 2024 10:01

Instrument :

MSVOA_L

ClientSampleId :



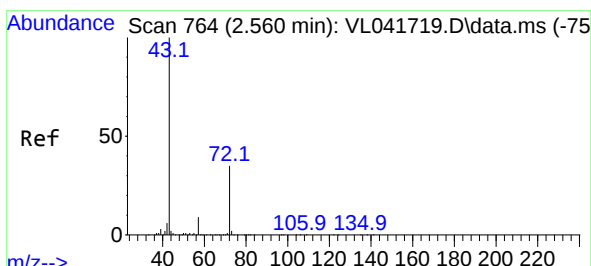
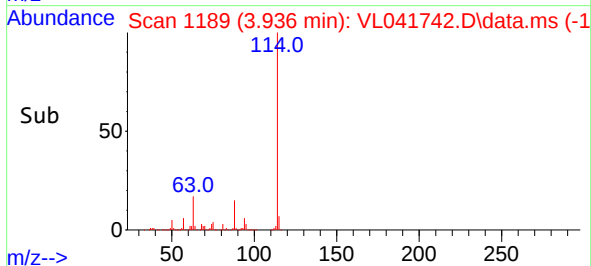
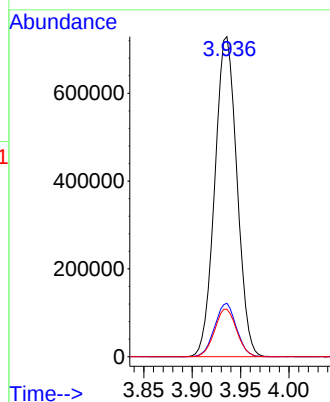
Tgt Ion:114 Resp: 1158894

Ion Ratio Lower Upper

114 100

63 16.4 12.9 19.3

88 14.9 11.8 17.6



#34

2-Butanone

Concen: 2.183 ppbv

RT: 2.544 min Scan# 759

Delta R.T. -0.016 min

Lab File: VL041742.D

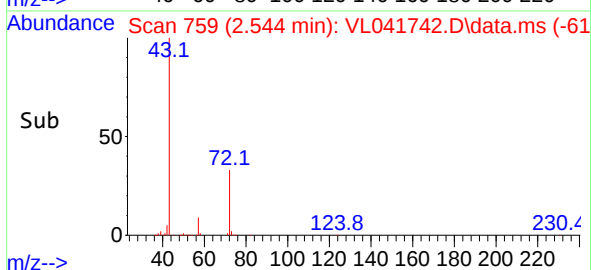
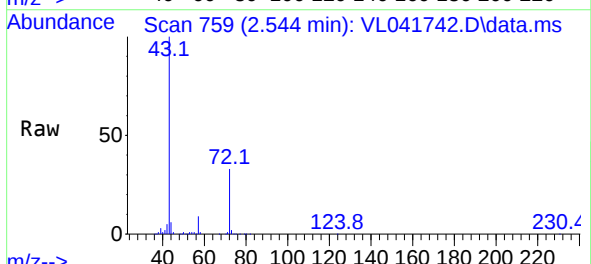
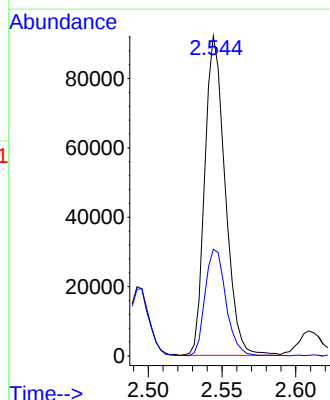
Acq: 12 Dec 2024 10:01

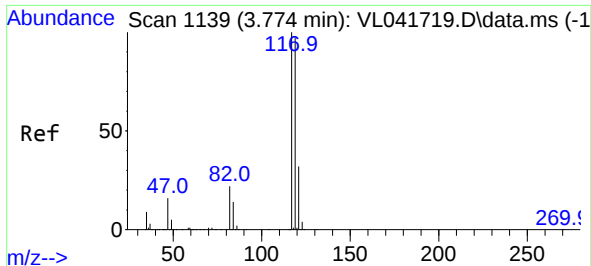
Tgt Ion: 43 Resp: 88590

Ion Ratio Lower Upper

43 100

72 34.1 28.3 42.5

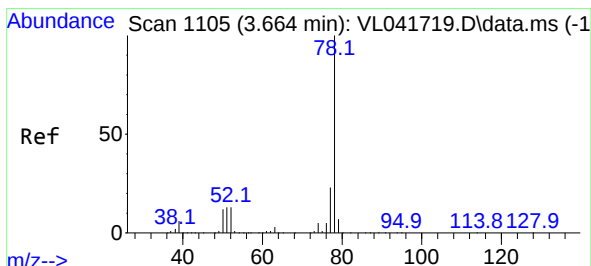
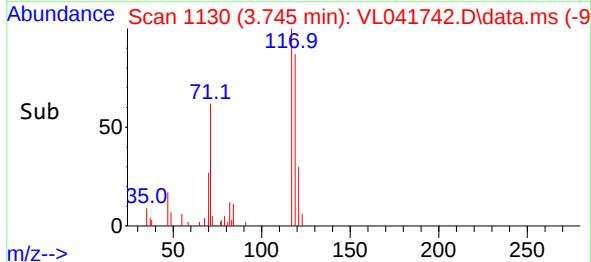
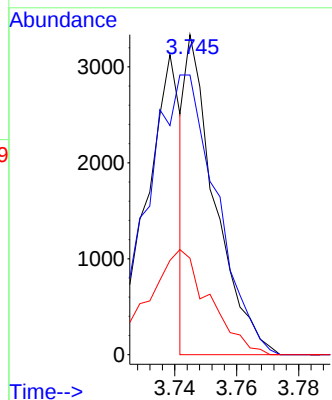
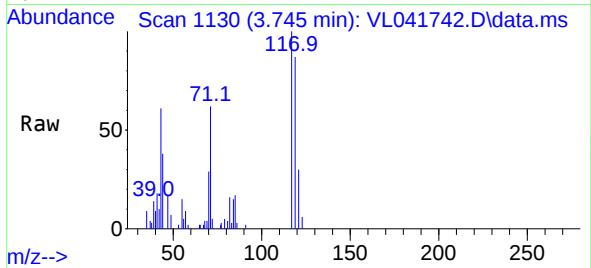




#35
Carbon Tetrachloride
Concen: 0.041 ppbv
RT: 3.745 min Scan# 1139
Delta R.T. -0.029 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

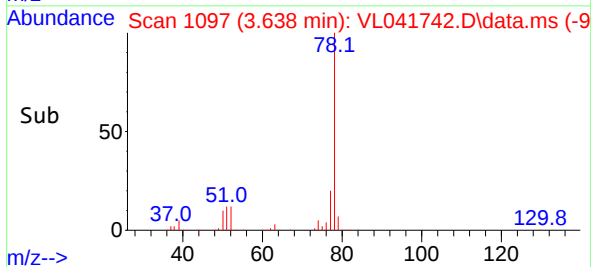
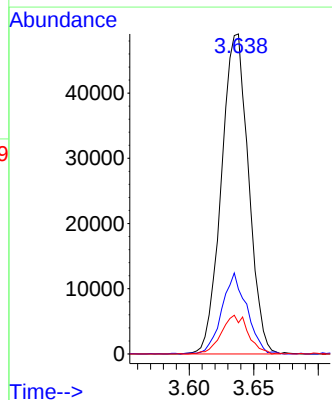
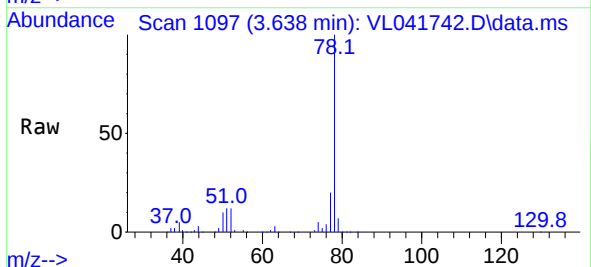
Instrument :
MSVOA_L
ClientSampleId :

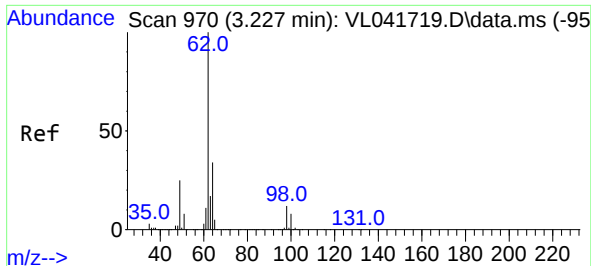
Tgt Ion:117 Resp: 2187
Ion Ratio Lower Upper
117 100
119 87.4 77.7 116.5
121 30.2 25.5 38.3



#36
Benzene
Concen: 0.786 ppbv
RT: 3.638 min Scan# 1097
Delta R.T. -0.026 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

Tgt Ion: 78 Resp: 71634
Ion Ratio Lower Upper
78 100
77 20.2 18.6 27.8
50 9.7 9.5 14.3

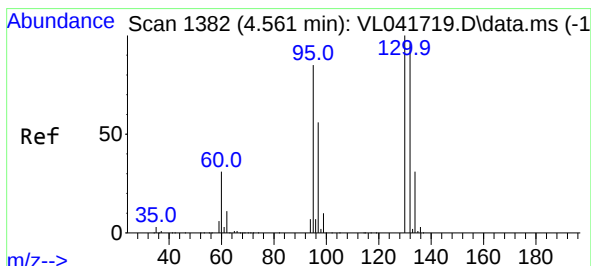
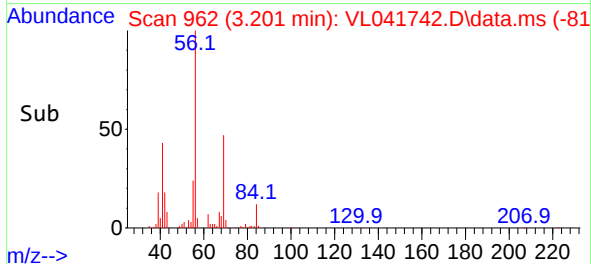
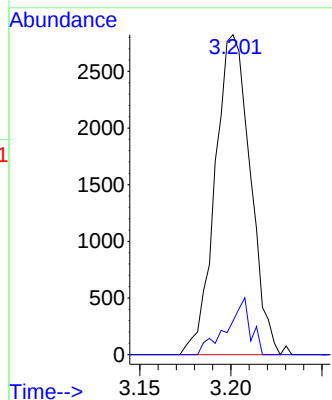
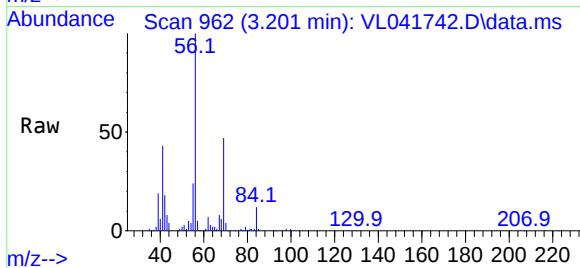




#37
1,2-Dichloroethane
Concen: 0.115 ppbv
RT: 3.201 min Scan# 91
Delta R.T. -0.026 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

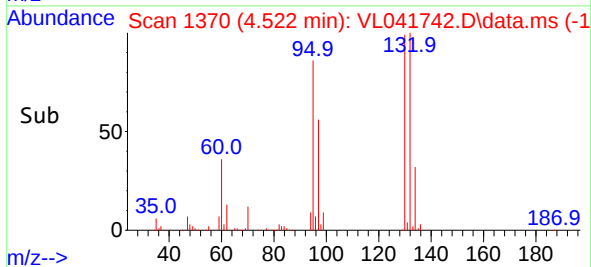
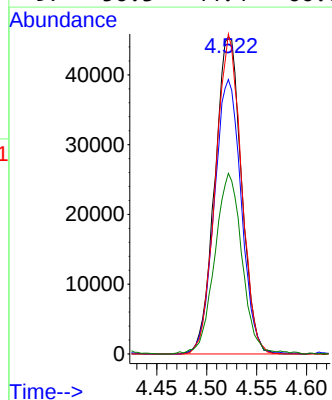
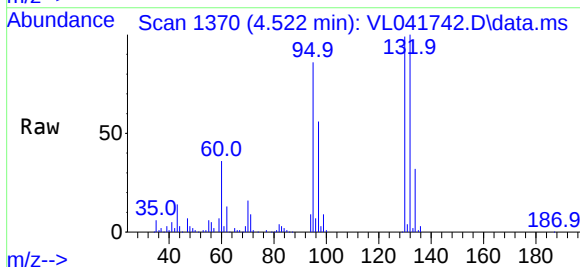
Instrument :
MSVOA_L
ClientSampleId :

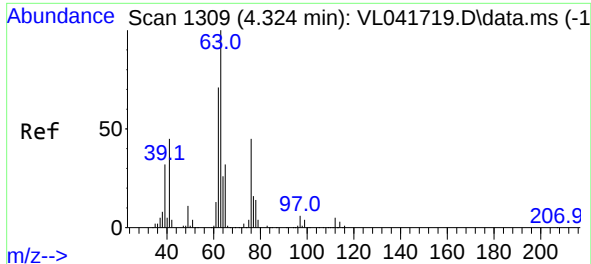
Tgt Ion: 62 Resp: 3786
Ion Ratio Lower Upper
62 100
98 0.0 9.4 14.2#



#38
Trichloroethene
Concen: 1.786 ppbv
RT: 4.522 min Scan# 1370
Delta R.T. -0.039 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

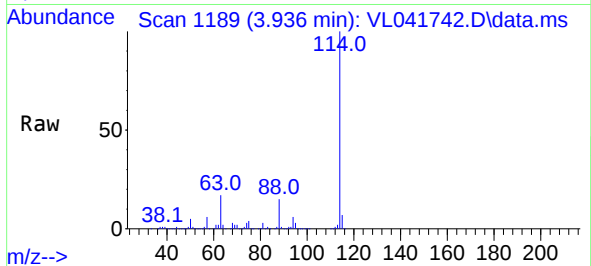
Tgt Ion:130 Resp: 84403
Ion Ratio Lower Upper
130 100
95 86.5 68.0 102.0
132 101.0 76.5 114.7
97 56.3 44.4 66.6



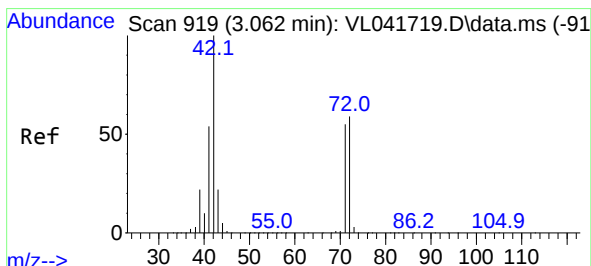
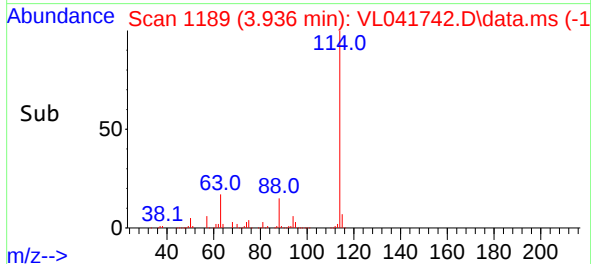
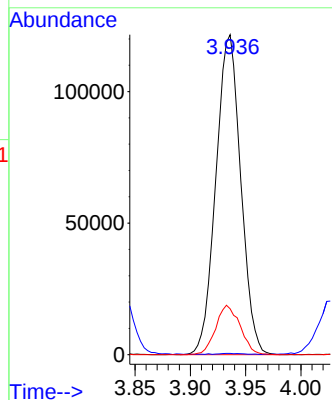


#39
1,2-Dichloropropane
Concen: 6.548 ppbv
RT: 3.936 min Scan# 1189
Delta R.T. -0.389 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

Instrument :
MSVOA_L
ClientSampleId :

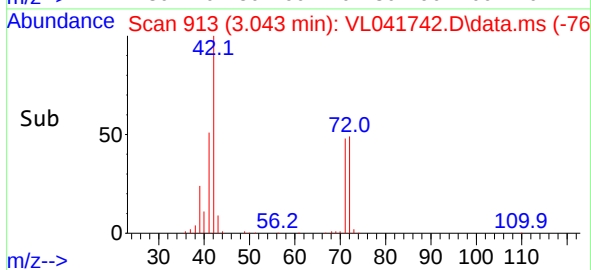
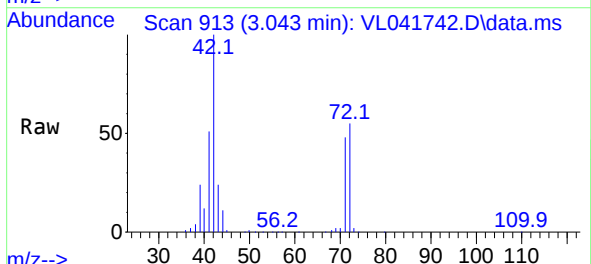
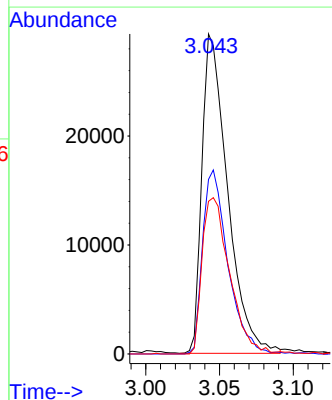


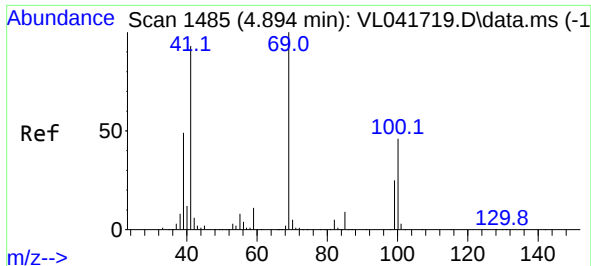
Tgt Ion: 63 Resp: 190113
Ion Ratio Lower Upper
63 100
41 0.2 36.4 54.6#
62 14.4 56.6 85.0#



#41
Tetrahydrofuran
Concen: 1.448 ppbv
RT: 3.043 min Scan# 913
Delta R.T. -0.020 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

Tgt Ion: 42 Resp: 35413
Ion Ratio Lower Upper
42 100
72 57.1 47.4 71.0
71 53.1 44.4 66.6

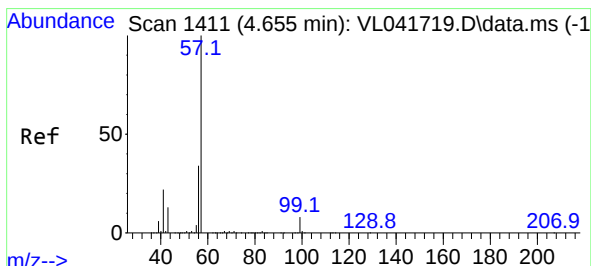
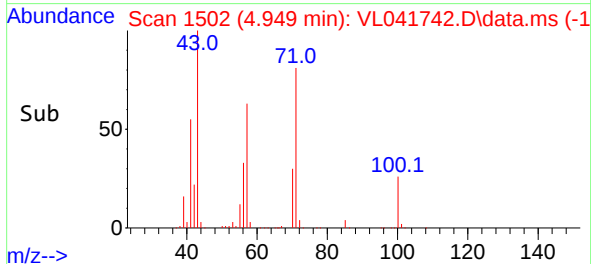
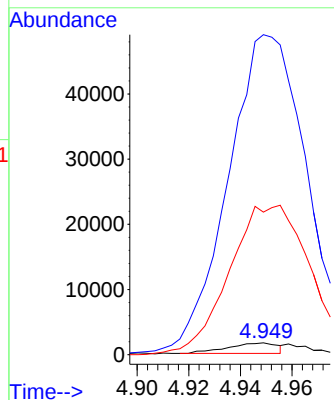
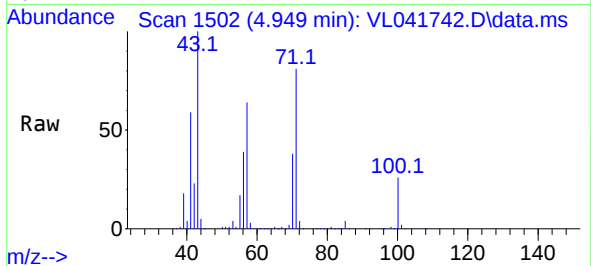




#43
Methyl Methacrylate
Concen: 0.067 ppbv
RT: 4.949 min Scan# 11
Delta R.T. 0.055 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

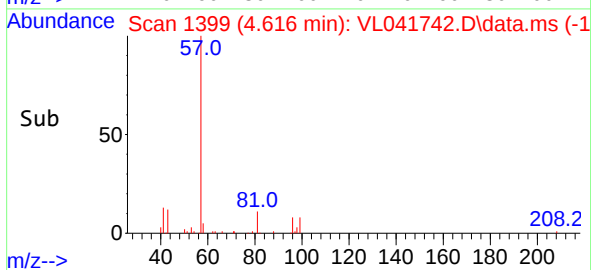
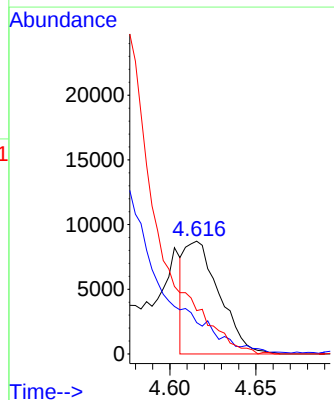
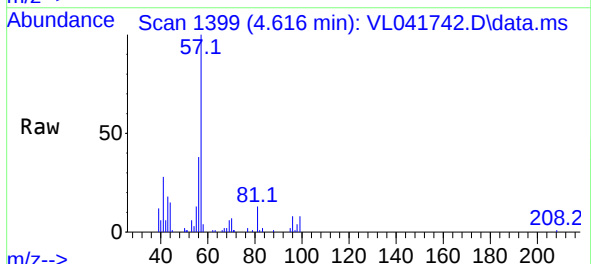
Instrument :
MSVOA_L
ClientSampleId :

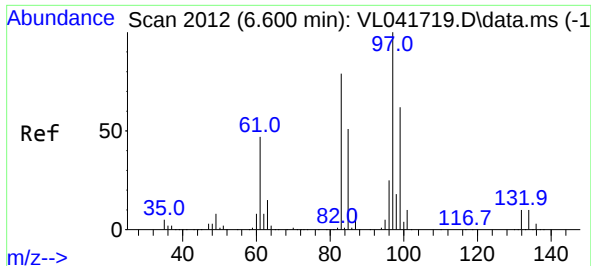
Tgt Ion: 69 Resp: 2198
Ion Ratio Lower Upper
69 100
41 4855.5 74.6 112.0#
100 0.0 35.5 53.3#



#44
2,2,4-Trimethylpentane
Concen: 0.097 ppbv
RT: 4.616 min Scan# 1399
Delta R.T. -0.039 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

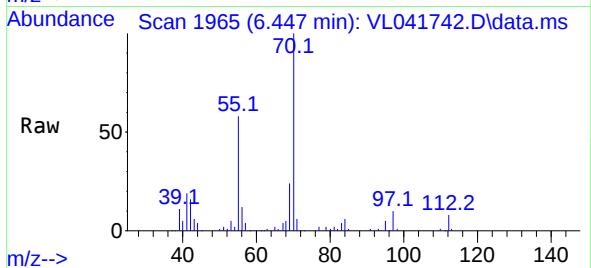
Tgt Ion: 57 Resp: 12268
Ion Ratio Lower Upper
57 100
41 0.0 17.2 25.8#
56 0.0 26.6 40.0#





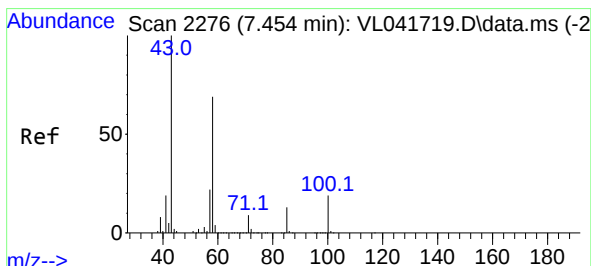
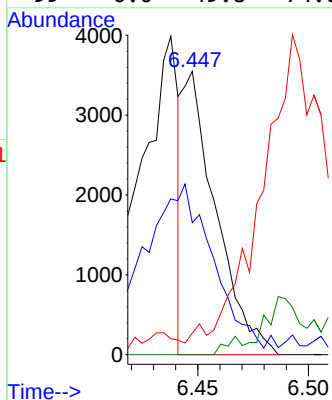
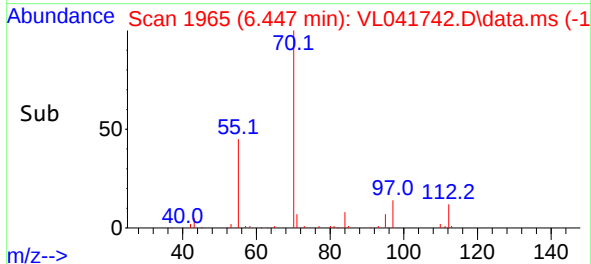
#47
1,1,2-Trichloroethane
Concen: 0.095 ppbv
RT: 6.447 min Scan# 1965
Delta R.T. -0.152 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 97 Resp: 3682

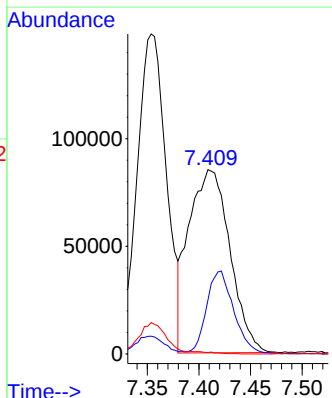
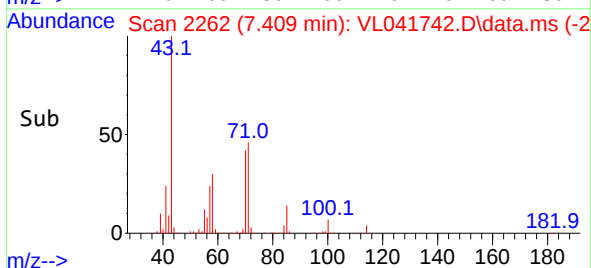
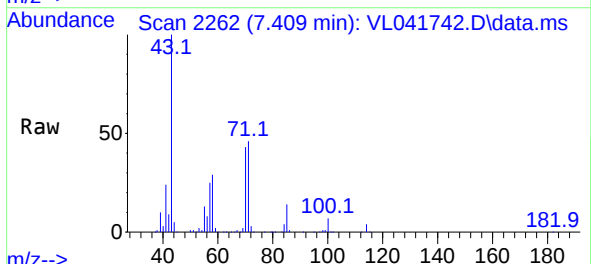
Ion	Ratio	Lower	Upper
97	100		
83	44.1	63.0	94.4#
85	2.5	41.0	61.6#
99	0.0	49.8	74.6#

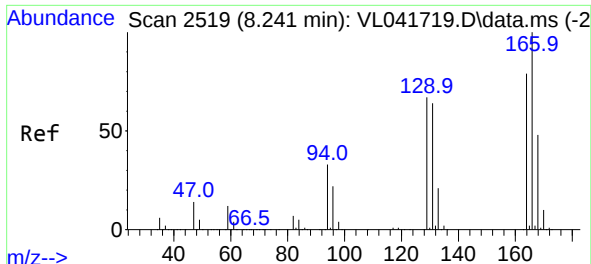


#51
2-Hexanone
Concen: 4.929 ppbv
RT: 7.409 min Scan# 2262
Delta R.T. -0.046 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

Tgt Ion: 43 Resp: 235940

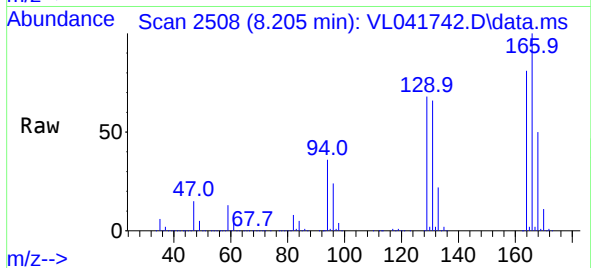
Ion	Ratio	Lower	Upper
43	100		
58	30.2	54.2	81.4#
98	0.0	0.2	0.2#





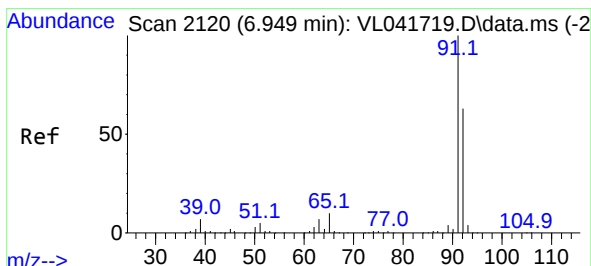
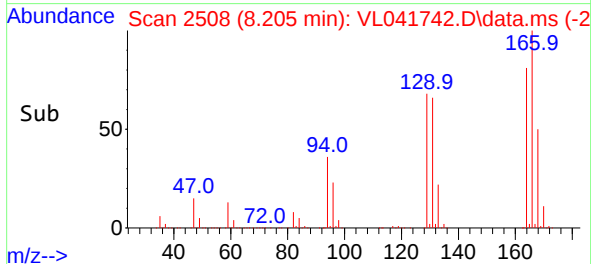
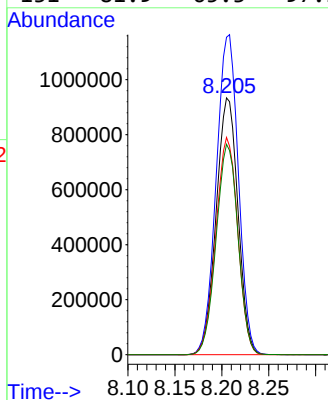
#52
Tetrachloroethene
Concen: 31.335 ppbv
RT: 8.205 min Scan# 2107
Delta R.T. -0.036 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion:164 Resp: 1512748

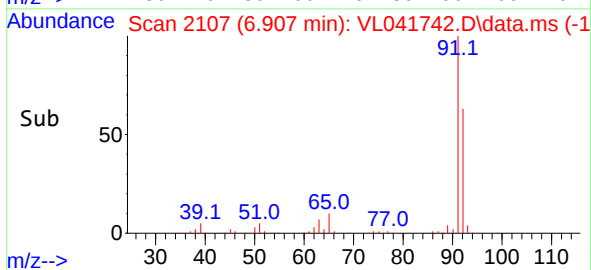
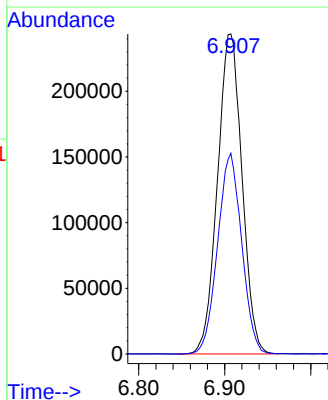
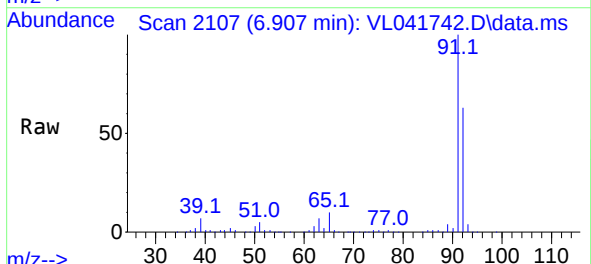
Ion	Ratio	Lower	Upper
164	100		
166	123.6	101.4	152.0
129	84.6	67.6	101.4
131	81.9	65.3	97.9

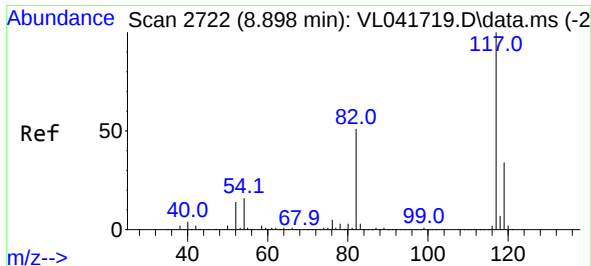


#53
Toluene
Concen: 4.311 ppbv
RT: 6.907 min Scan# 2107
Delta R.T. -0.042 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

Tgt Ion: 91 Resp: 482777

Ion	Ratio	Lower	Upper
91	100		
92	61.6	49.7	74.5

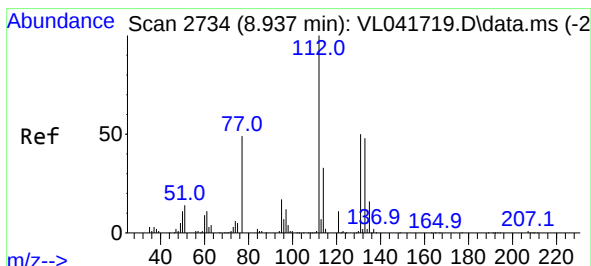
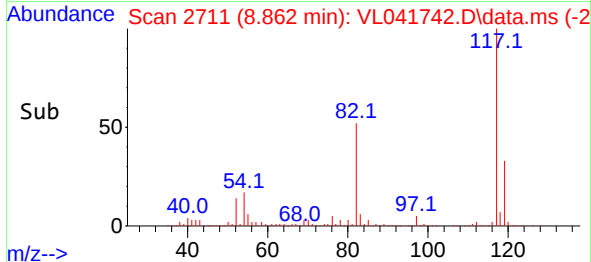
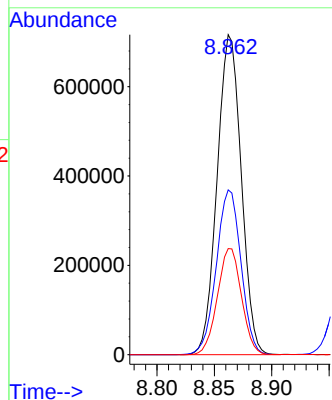
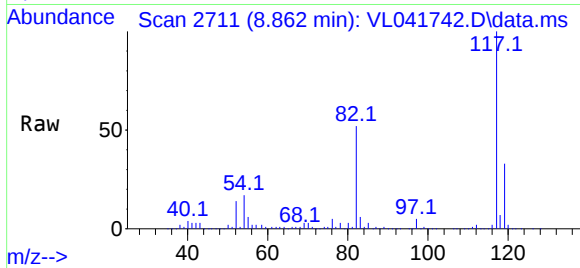




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.862 min Scan# 21
Delta R.T. -0.036 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

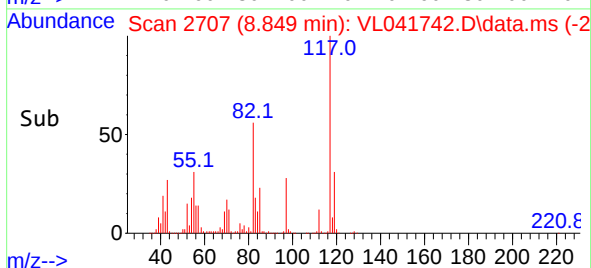
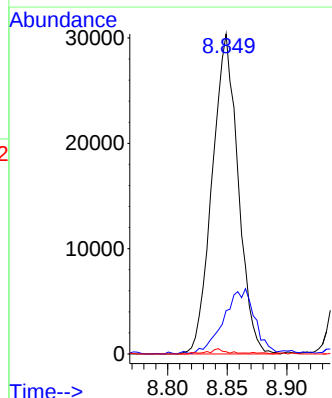
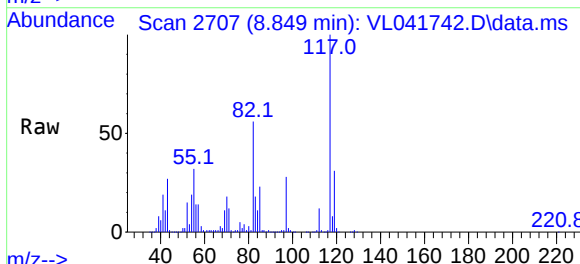
Instrument :
MSVOA_L
ClientSampleId :

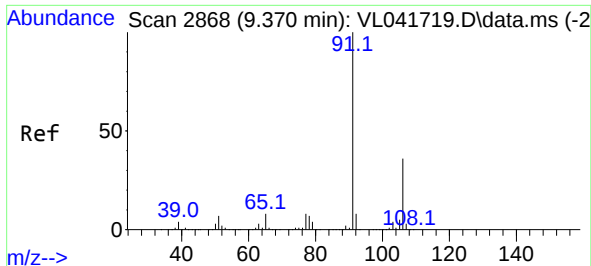
Tgt Ion:117 Resp: 1050344
Ion Ratio Lower Upper
117 100
82 52.6 41.3 61.9
119 33.1 25.8 38.8



#57
Chlorobenzene
Concen: 0.481 ppbv
RT: 8.849 min Scan# 2707
Delta R.T. -0.088 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

Tgt Ion:112 Resp: 45940
Ion Ratio Lower Upper
112 100
77 13.2 40.1 60.1#
114 0.7 30.2 36.9#

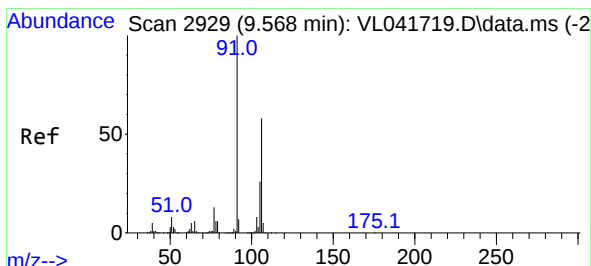
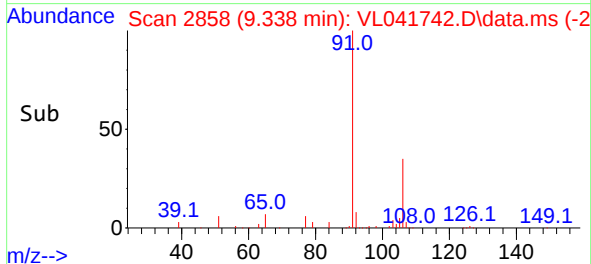
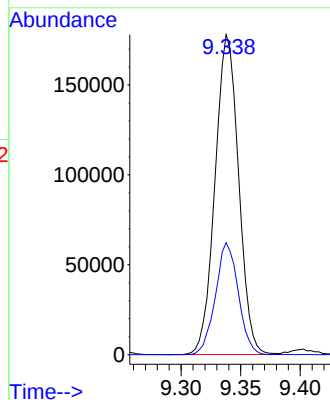
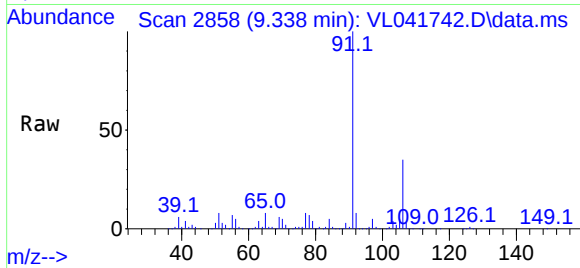




#58
Ethyl Benzene
Concen: 1.743 ppbv
RT: 9.338 min Scan# 21
Delta R.T. -0.033 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

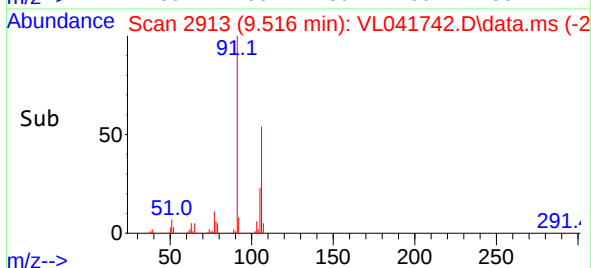
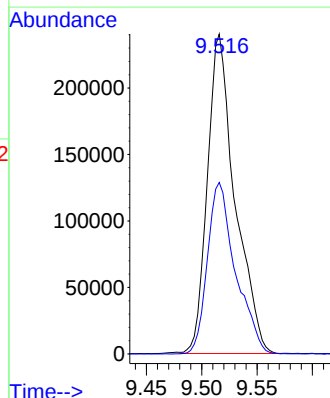
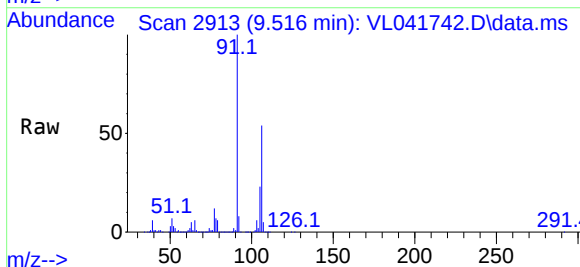
Instrument :
MSVOA_L
ClientSampleId :

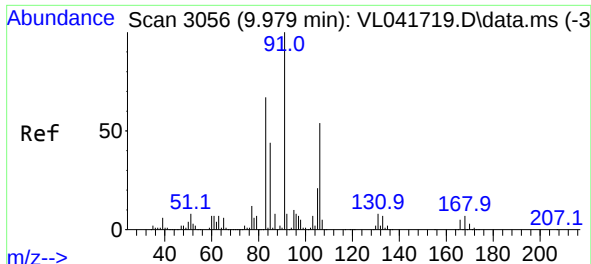
Tgt Ion: 91 Resp: 245019
Ion Ratio Lower Upper
91 100
106 35.0 28.6 43.0



#59
m/p-Xylene
Concen: 3.879 ppbv
RT: 9.516 min Scan# 2913
Delta R.T. -0.052 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

Tgt Ion: 91 Resp: 417826
Ion Ratio Lower Upper
91 100
106 54.6 45.1 67.7





#60

o-Xylene

Concen: 1.737 ppbv

RT: 9.950 min Scan# 3056

Delta R.T. -0.029 min

Lab File: VL041742.D

Acq: 12 Dec 2024 10:01

Instrument :

MSVOA_L

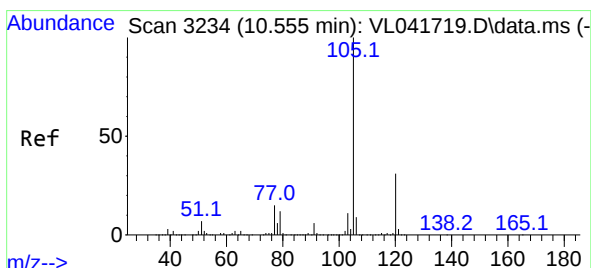
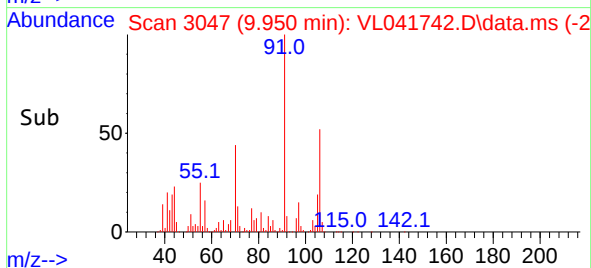
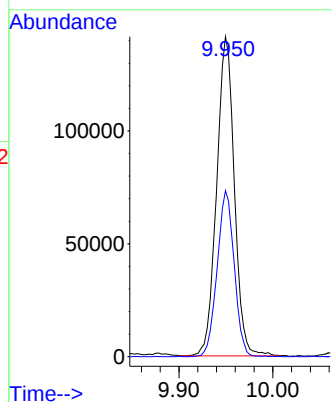
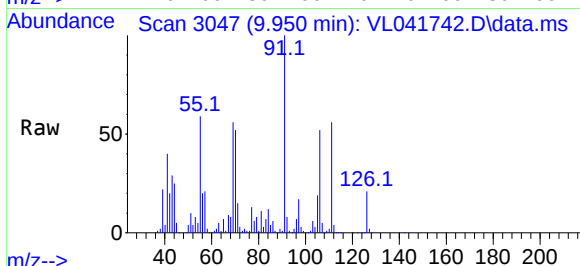
ClientSampleId :

Tgt Ion: 91 Resp: 185505

Ion Ratio Lower Upper

91 100

106 49.9 26.8 80.4



#62

Isopropylbenzene

Concen: 0.544 ppbv

RT: 10.526 min Scan# 3225

Delta R.T. -0.029 min

Lab File: VL041742.D

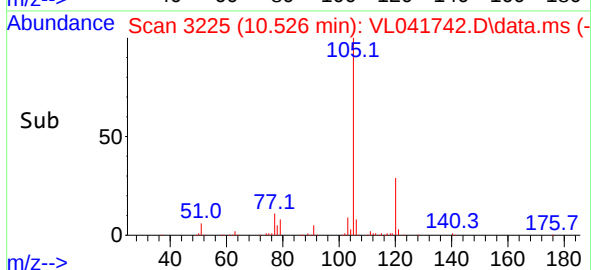
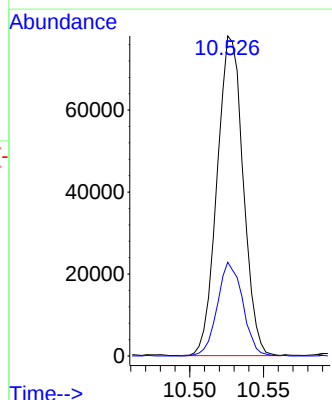
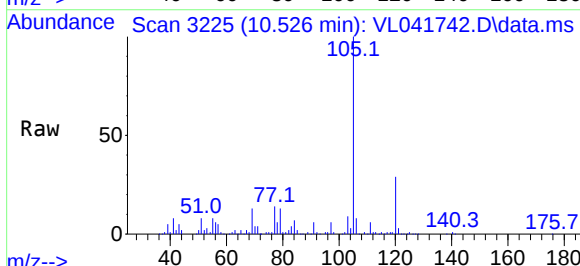
Acq: 12 Dec 2024 10:01

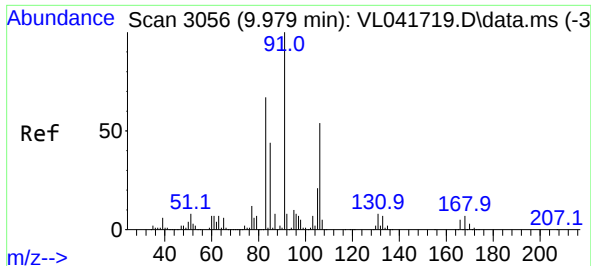
Tgt Ion:105 Resp: 95859

Ion Ratio Lower Upper

105 100

120 28.5 24.3 36.5

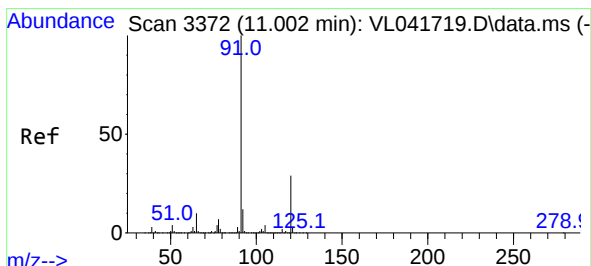
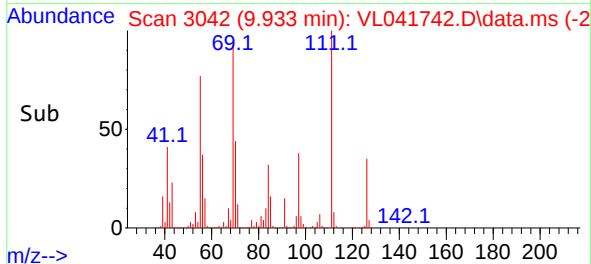
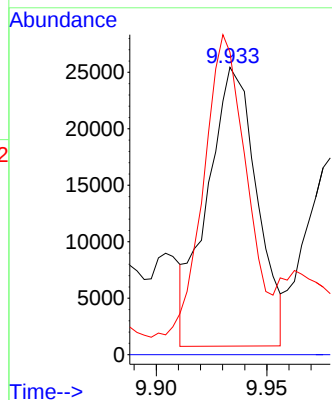
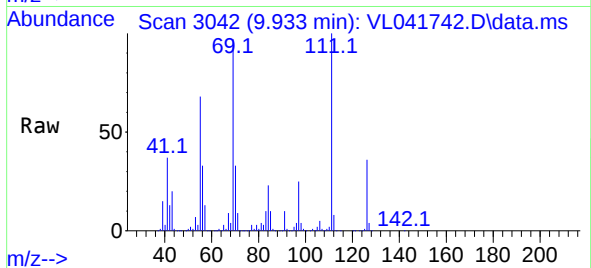




#63
1,1,2,2-Tetrachloroethane
Concen: 0.557 ppbv
RT: 9.933 min Scan# 3042
Delta R.T. -0.046 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

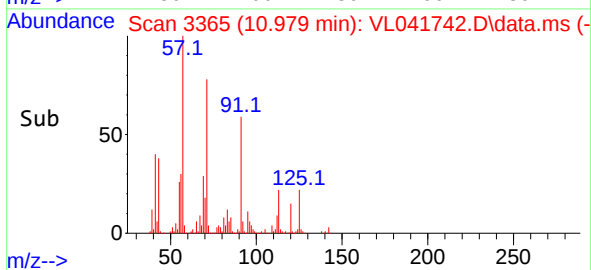
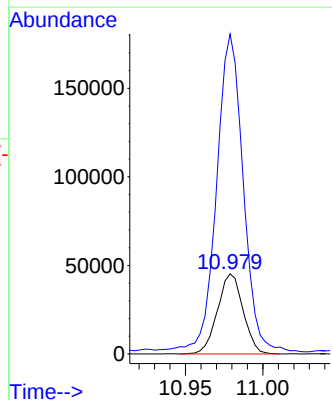
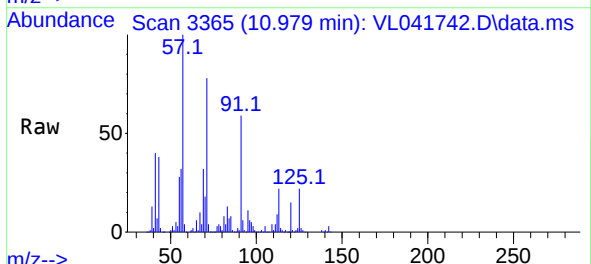
Instrument :
MSVOA_L
ClientSampleId :

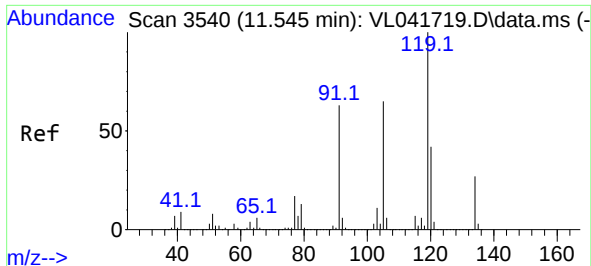
Tgt Ion: 83 Resp: 38477
Ion Ratio Lower Upper
83 100
131 0.0 5.9 17.6#
85 111.3 32.8 98.4#



#64
n-propylbenzene
Concen: 1.001 ppbv
RT: 10.979 min Scan# 3365
Delta R.T. -0.023 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

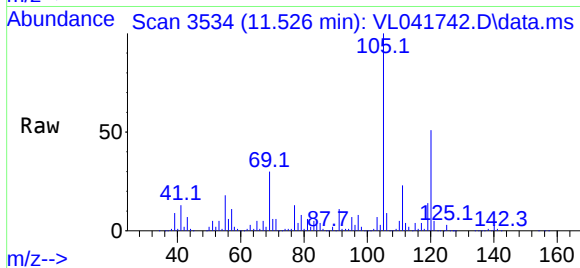
Tgt Ion:120 Resp: 51926
Ion Ratio Lower Upper
120 100
91 409.0 290.8 436.2



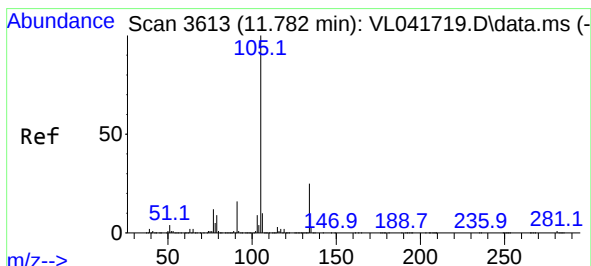
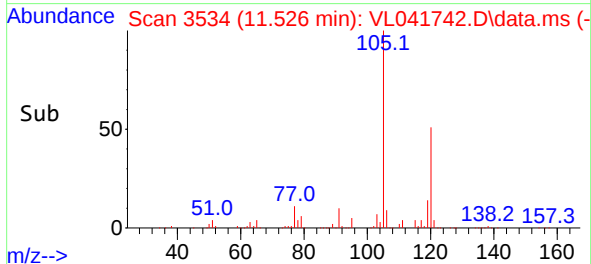
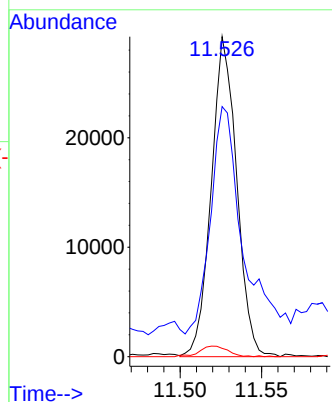


#65
tert-Butylbenzene
Concen: 0.190 ppbv
RT: 11.526 min Scan# 31735
Delta R.T. -0.020 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

Instrument :
MSVOA_L
ClientSampleId :

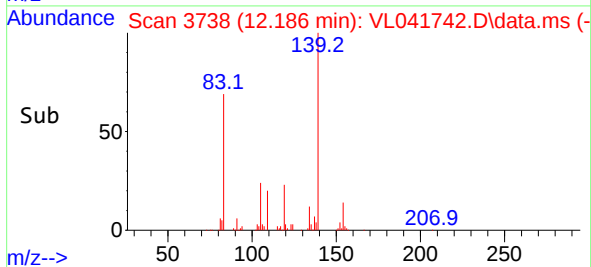
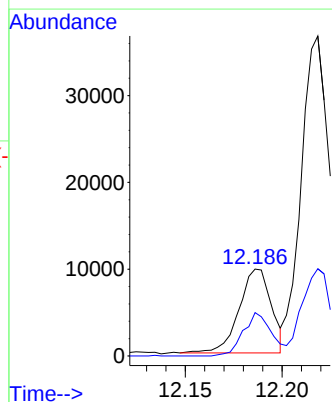
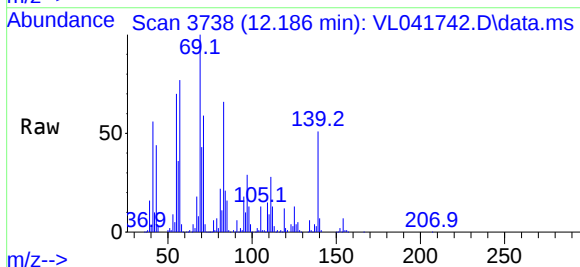


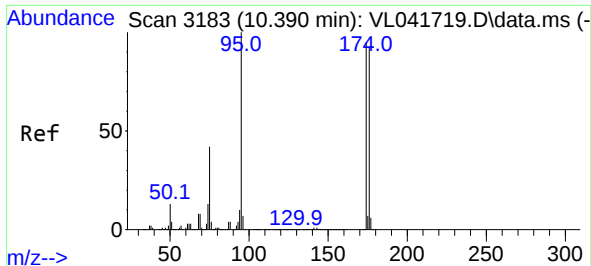
Tgt Ion:119 Resp: 31735
Ion Ratio Lower Upper
119 100
91 111.2 50.2 75.4#
134 3.8 20.4 30.6#



#67
sec-Butylbenzene
Concen: 0.052 ppbv
RT: 12.186 min Scan# 3738
Delta R.T. 0.404 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

Tgt Ion:105 Resp: 11179
Ion Ratio Lower Upper
105 100
134 27.3 19.3 28.9

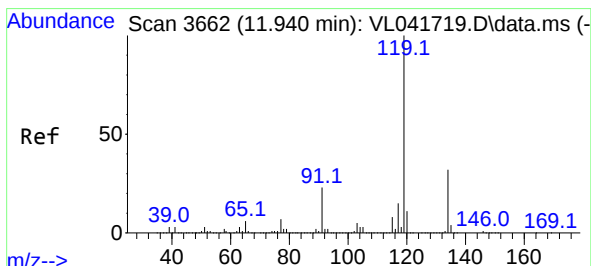
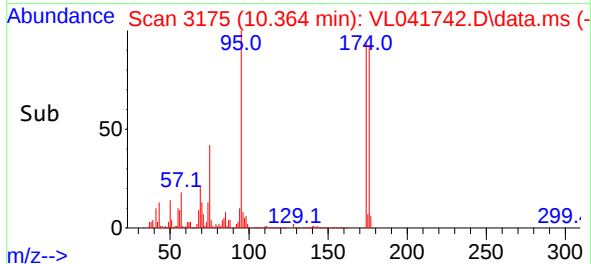
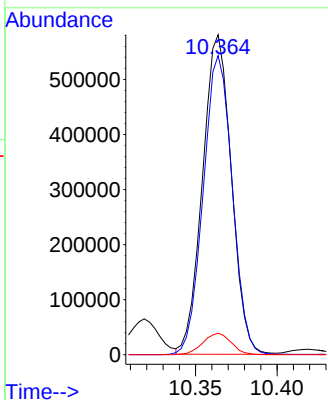
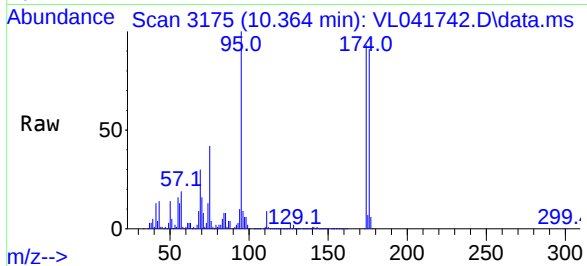




#68
1-Bromo-4-Fluorobenzene
Concen: 10.352 ppbv
RT: 10.364 min Scan# 3183
Delta R.T. -0.026 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

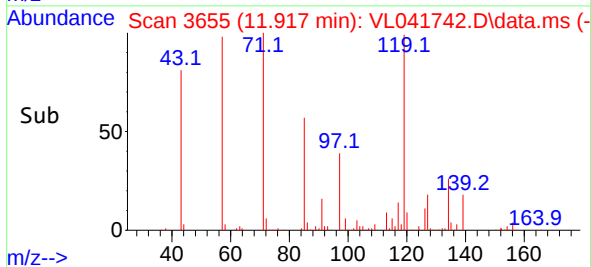
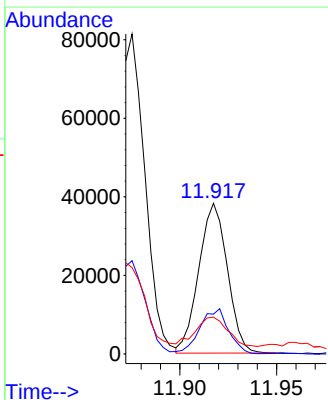
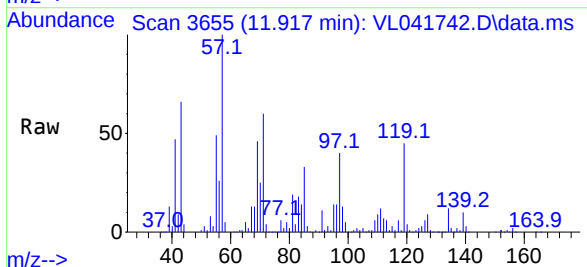
Instrument :
MSVOA_L
ClientSampleId :

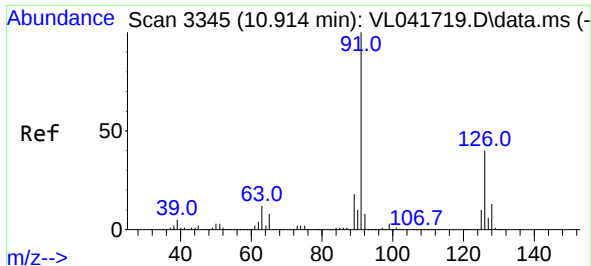
Tgt Ion: 95 Resp: 714825
Ion Ratio Lower Upper
95 100
174 94.3 76.7 115.1
175 6.6 5.4 8.2



#69
p-Isopropyltoluene
Concen: 0.210 ppbv
RT: 11.917 min Scan# 3655
Delta R.T. -0.023 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

Tgt Ion: 119 Resp: 39196
Ion Ratio Lower Upper
119 100
134 30.8 24.6 36.8
91 18.1 17.8 26.8

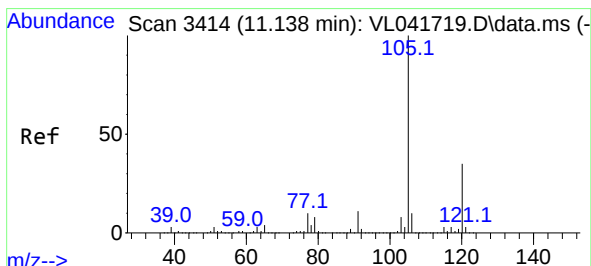
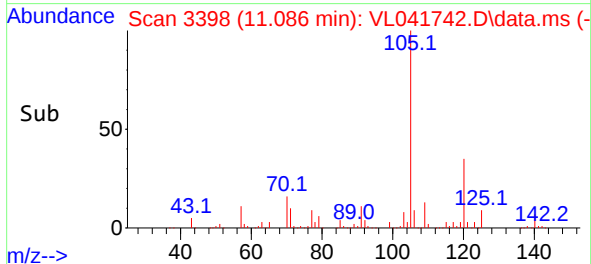
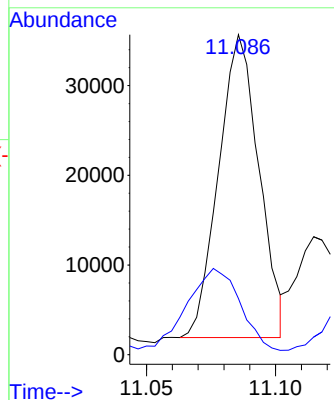
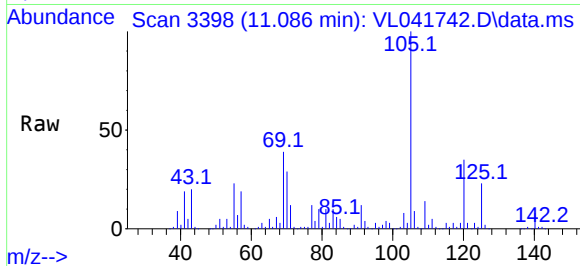




#71
2-Chlorotoluene
Concen: 0.307 ppbv
RT: 11.086 min Scan# 3398
Delta R.T. 0.171 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

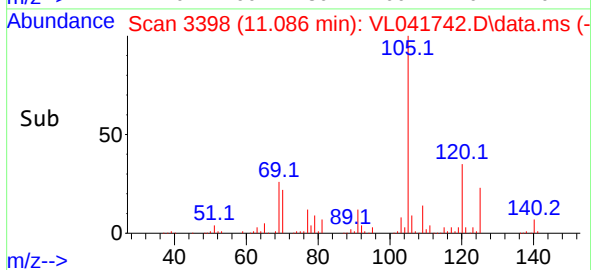
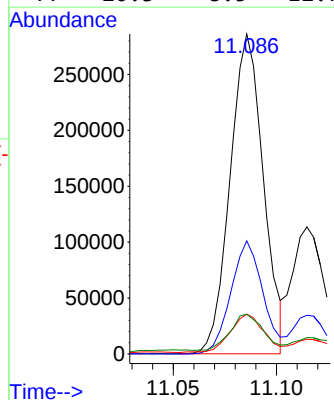
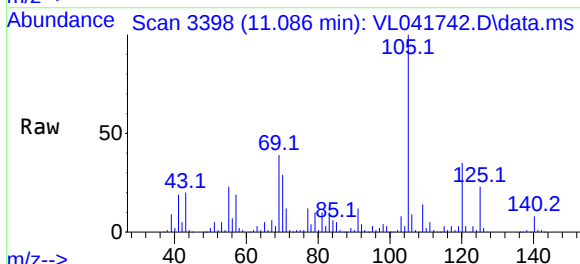
Instrument :
MSVOA_L
ClientSampleId :

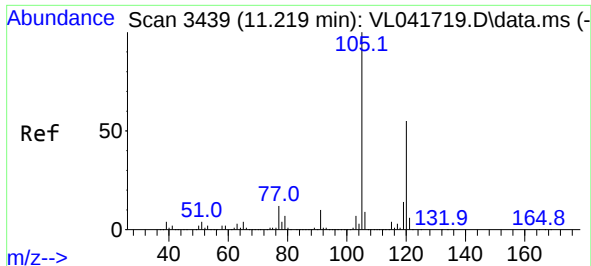
Tgt Ion: 91 Resp: 36741
Ion Ratio Lower Upper
91 100
126 37.7 15.9 63.7



#72
4-Ethyltoluene
Concen: 2.326 ppbv
RT: 11.086 min Scan# 3398
Delta R.T. -0.052 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

Tgt Ion: 105 Resp: 320742
Ion Ratio Lower Upper
105 100
120 46.0 28.0 42.0#
91 19.2 8.8 13.2#
77 20.3 8.5 12.7#

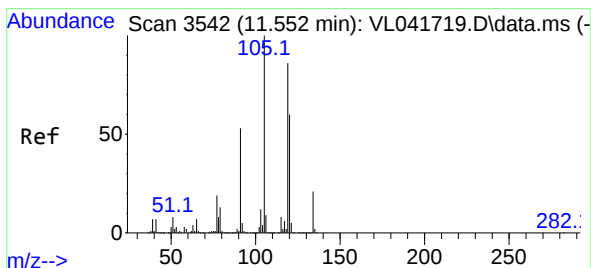
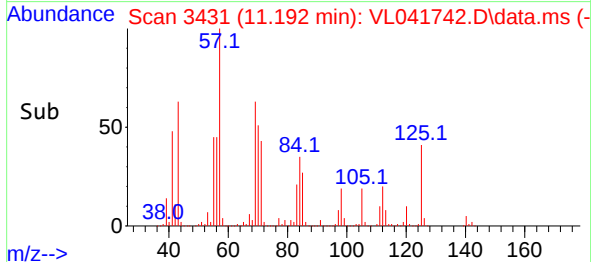
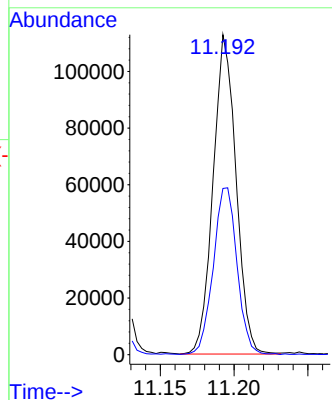
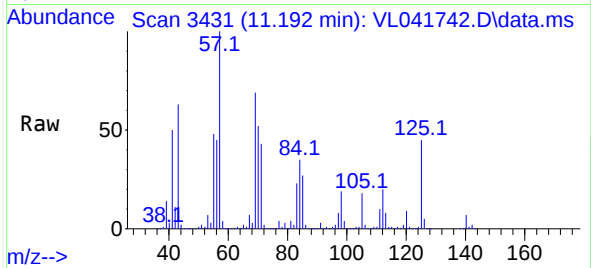




#73
1,3,5-Trimethylbenzene
Concen: 1.092 ppbv
RT: 11.192 min Scan# 34
Delta R.T. -0.026 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

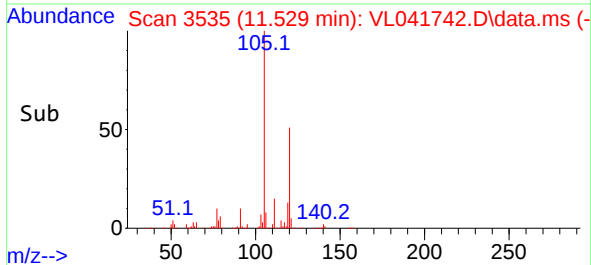
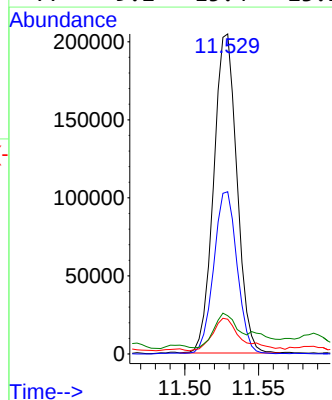
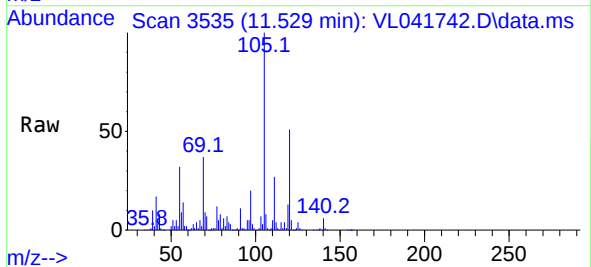
Instrument :
MSVOA_L
ClientSampleId :

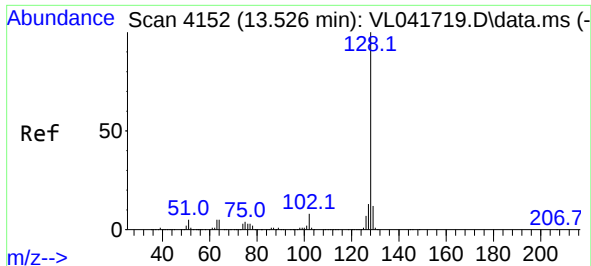
Tgt Ion:105 Resp: 121827
Ion Ratio Lower Upper
105 100
120 52.0 43.6 65.4



#74
1,2,4-Trimethylbenzene
Concen: 1.848 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. -0.023 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

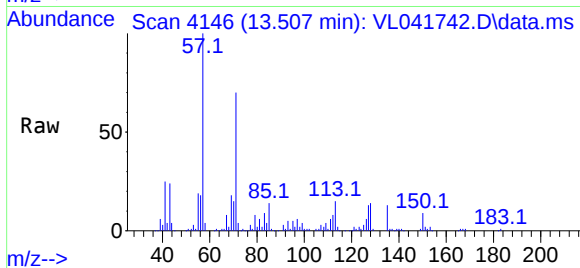
Tgt Ion:105 Resp: 224166
Ion Ratio Lower Upper
105 100
120 50.7 47.8 71.6
91 9.3 42.5 63.7#
77 9.2 15.4 23.2#



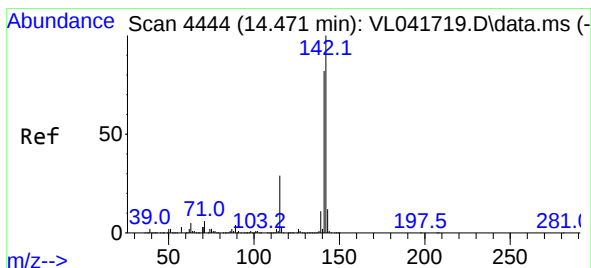
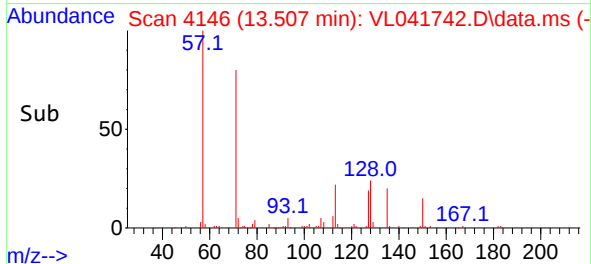
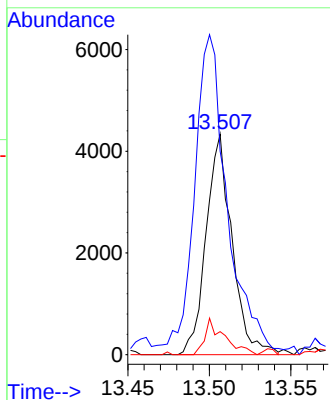


#79
Naphthalene
Concen: 0.046 ppbv
RT: 13.507 min Scan# 4152
Delta R.T. -0.020 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion:128 Resp: 4786
Ion Ratio Lower Upper
128 100
127 89.4 10.2 15.2#
129 10.5 9.4 14.0



#80
Naphthalene,2-methyl-
Concen: 0.039 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. -0.016 min
Lab File: VL041742.D
Acq: 12 Dec 2024 10:01

Tgt Ion:142 Resp: 1481
Ion Ratio Lower Upper
142 100
141 131.7 66.0 99.0#
115 34.2 22.8 34.2#

