

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121124\
 Data File : VL041741.D
 Acq On : 12 Dec 2024 09:30
 Operator : SY/MD
 Sample : P5150-01 4X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 12 14:22:37 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	2.774	49	248666	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	3.939	114	1174841	10.000	ppbv	-0.03
55) Chlorobenzene-d5	8.869	117	1039004	10.000	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.367 95 691149 10.119 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.492	85	5385	0.123	ppbv	94
3) Chlorodifluoromethane	1.460	51	6164	0.182	ppbv #	77
4) Chloromethane	1.525	50	962	0.083	ppbv	96
5) Vinyl Chloride	1.573	62	1105	0.078	ppbv #	88
7) Chloroethane	1.696	64	234	0.038	ppbv	91
9) Propene	1.476	41	19632	1.360	ppbv	93
10) Heptane	4.959	43	21511	0.539	ppbv	95
11) Trichlorofluoromethane	1.871	101	2818	0.056	ppbv	95
13) Ethanol	1.716	45	4138	3.466	ppbv	91
15) Acetone	1.829	43	112952	3.934	ppbv #	67
16) 1,3-Butadiene	1.596	39	5693	0.591	ppbv #	31
17) tert-Butyl alcohol	2.033	59	9693	0.233	ppbv #	84
18) 1,1-Dichloroethene	2.331	96	13751	0.669	ppbv	84
19) Isopropyl Alcohol	1.881	45	8990	0.330	ppbv #	1
20) Methylene Chloride	2.052	84	5770	0.332	ppbv	96
22) trans-1,2-Dichloroethene	2.709	96	3143174	131.676	ppbv	90
23) Vinyl Acetate	2.444	43	6837	0.393	ppbv #	82
24) 1,1-Dichloroethane	2.709	63	1215956	37.611	ppbv #	1
25) Ethyl Acetate	4.959	43	21511	0.539	ppbv #	94
26) Hexane	2.816	57	111986	2.894	ppbv #	43
27) Carbon Disulfide	2.143	76	4855	0.122	ppbv #	46
29) Chloroform	2.836	83	424960	7.173	ppbv	98
30) Cyclohexane	3.839	84	7471	0.172	ppbv #	83
31) cis-1,2-Dichloroethene	2.709	61	3232150	90.159	ppbv	92
32) 1,1,1-Trichloroethane	3.357	97	10208	0.175	ppbv	96
34) 2-Butanone	2.547	43	134108	3.260	ppbv	100
35) Carbon Tetrachloride	3.748	117	1914	0.035	ppbv	86
36) Benzene	3.641	78	34844	0.377	ppbv	97
38) Trichloroethene	4.528	130	363103	7.580	ppbv	98
39) 1,2-Dichloropropane	3.939	63	192399	6.537	ppbv #	32
41) Tetrahydrofuran	3.056	42	3518	0.142	ppbv #	81
44) 2,2,4-Trimethylpentane	4.625	57	4080	0.032	ppbv #	46
51) 2-Hexanone	7.425	43	54870	1.131	ppbv #	73
52) Tetrachloroethene	8.215	164	3566631	72.876	ppbv	95
53) Toluene	6.910	91	110875	0.977	ppbv	98
57) Chlorobenzene	8.856	112	8242	0.087	ppbv #	73
58) Ethyl Benzene	9.344	91	13407	0.096	ppbv	94
59) m/p-Xylene	9.519	91	35278	0.331	ppbv	97
60) o-Xylene	9.953	91	16663	0.158	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.937	83	3798	0.056	ppbv #	27
71) 2-Chlorotoluene	10.979	91	6068	0.051	ppbv	86
72) 4-Ethyltoluene	11.089	105	15910	0.117	ppbv #	78
73) 1,3,5-Trimethylbenzene	11.193	105	10499	0.095	ppbv #	82

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Operator : SY/MD
Sample : P5150-01 4X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

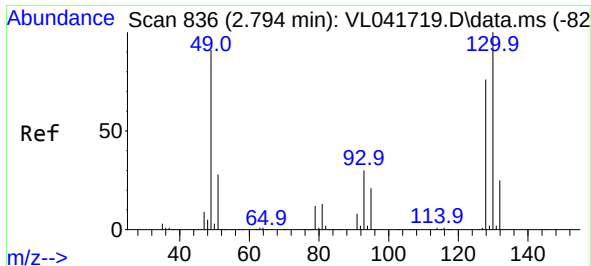
Quant Time: Dec 12 14:22:37 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121124AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Thu Dec 12 13:35:39 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 1,2,4-Trimethylbenzene	11.529	105	28374	0.237	ppbv #	68
79) Naphthalene	13.510	128	5707	0.056	ppbv #	1
81) 1,2,4-Trichlorobenzene	13.436	180	2463	0.038	ppbv #	33

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

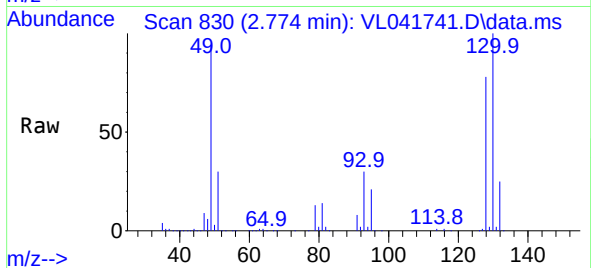
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Dec 12 13:35:39 2024
Response via : Initial Calibration



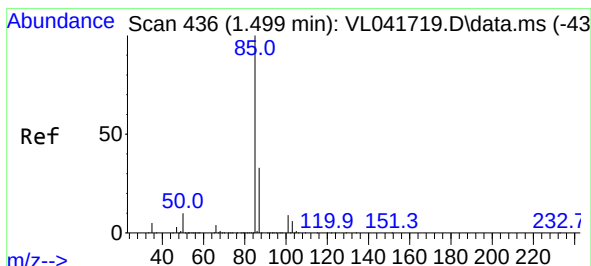
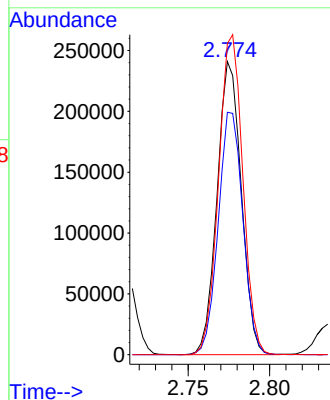


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.774 min Scan# 81
Delta R.T. -0.020 min
Lab File: VL041741.D
Acq: 12 Dec 2024 09:30

Instrument :
MSVOA_L
ClientSampleId :

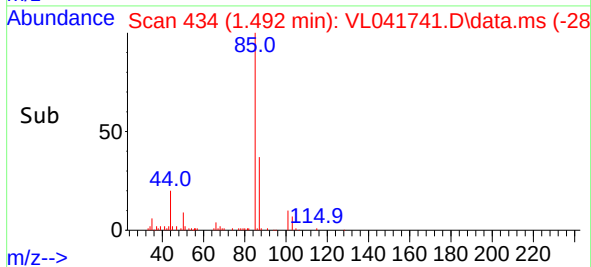
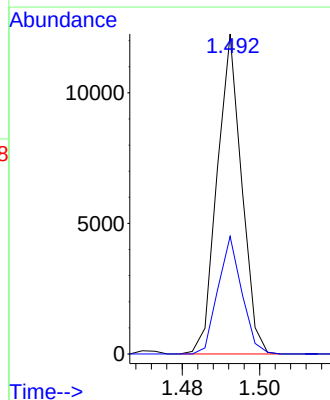
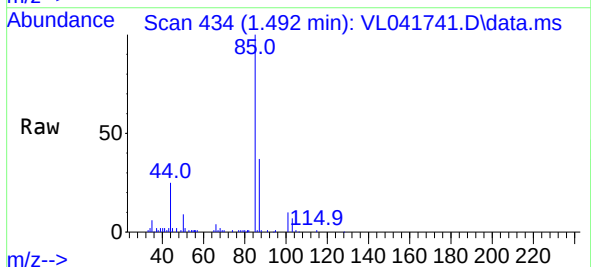


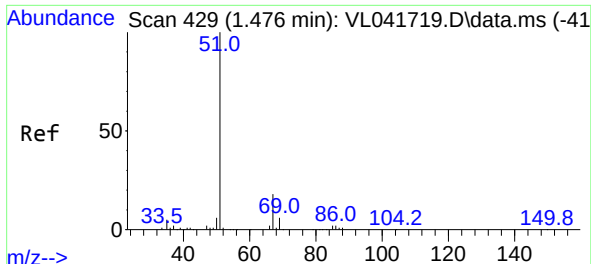
Tgt Ion: 49 Resp: 248666
Ion Ratio Lower Upper
49 100
128 84.1 42.8 128.3
130 109.2 55.8 167.4



#2
Dichlorodifluoromethane
Concen: 0.123 ppbv
RT: 1.492 min Scan# 434
Delta R.T. -0.007 min
Lab File: VL041741.D
Acq: 12 Dec 2024 09:30

Tgt Ion: 85 Resp: 5385
Ion Ratio Lower Upper
85 100
87 36.7 26.6 39.8

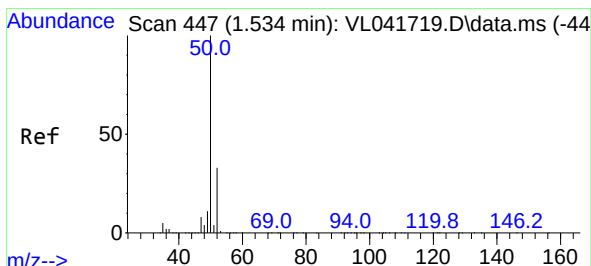
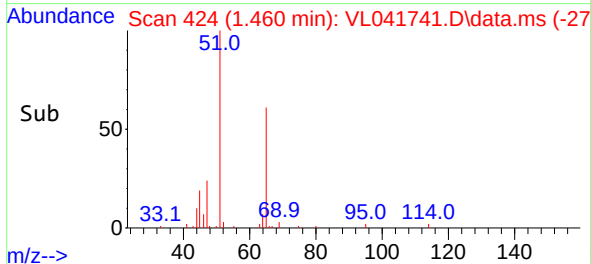
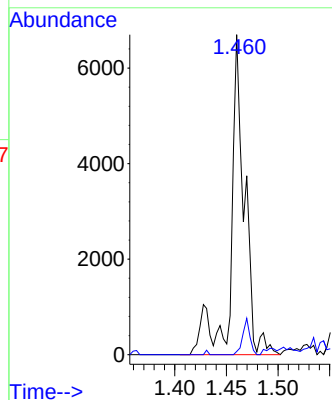
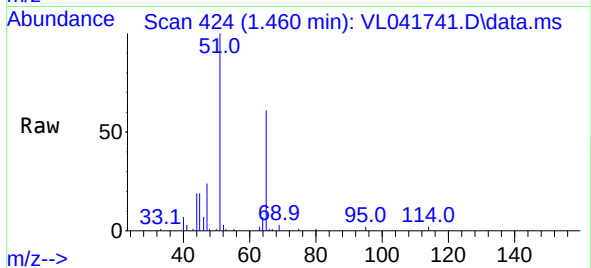




#3
Chlorodifluoromethane
Concen: 0.182 ppbv
RT: 1.460 min Scan# 41
Delta R.T. -0.016 min
Lab File: VL041741.D
Acq: 12 Dec 2024 09:30

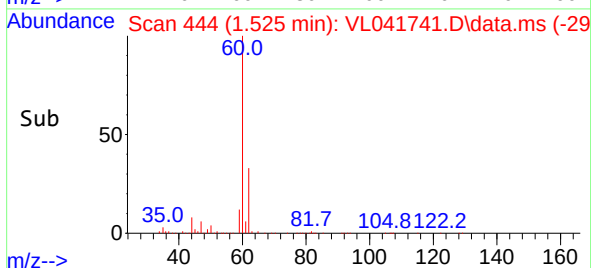
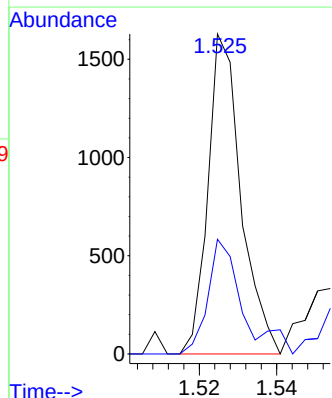
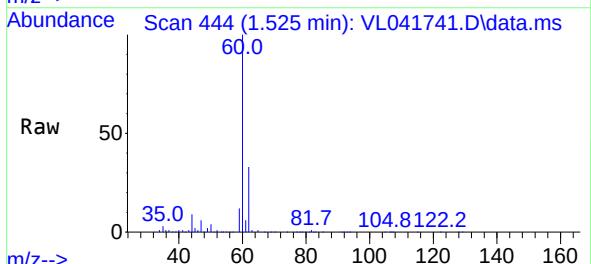
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MSVOA_L
ClientSampleId :

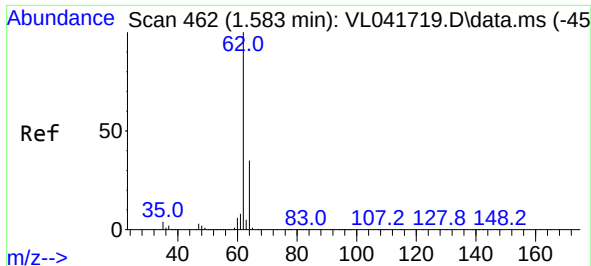
Tgt Ion: 51 Resp: 6164
Ion Ratio Lower Upper
51 100
67 8.0 14.6 21.8#



#4
Chloromethane
Concen: 0.083 ppbv
RT: 1.525 min Scan# 444
Delta R.T. -0.010 min
Lab File: VL041741.D
Acq: 12 Dec 2024 09:30

Tgt Ion: 50 Resp: 962
Ion Ratio Lower Upper
50 100
52 35.9 26.6 40.0

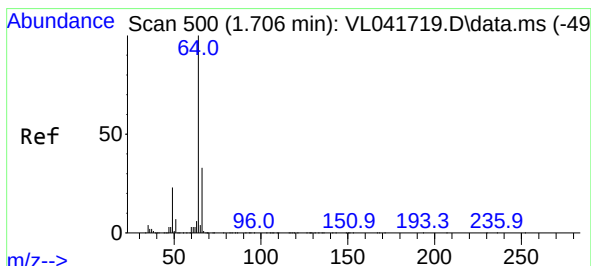
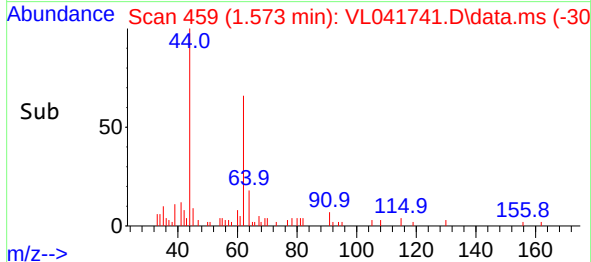
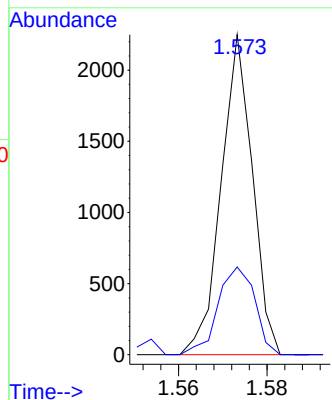
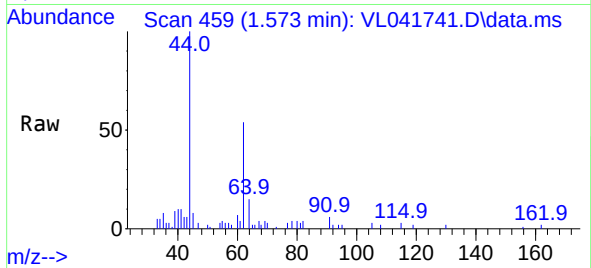




#5
 Vinyl Chloride
 Concen: 0.078 ppbv
 RT: 1.573 min Scan# 411
 Delta R.T. -0.010 min
 Lab File: VL041741.D
 Acq: 12 Dec 2024 09:30

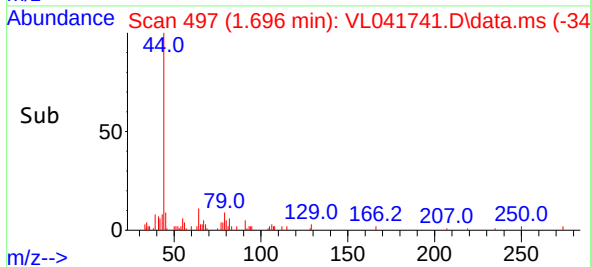
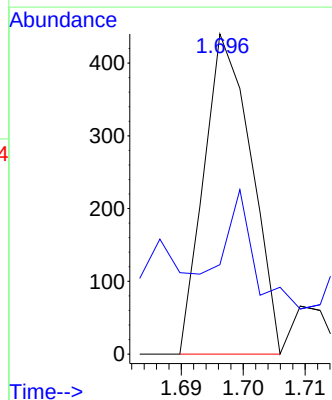
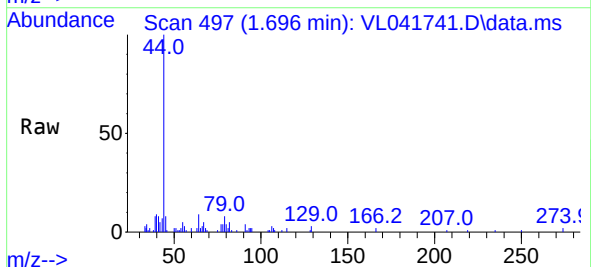
Instrument :
 MSVOA_L
 ClientSampleId :

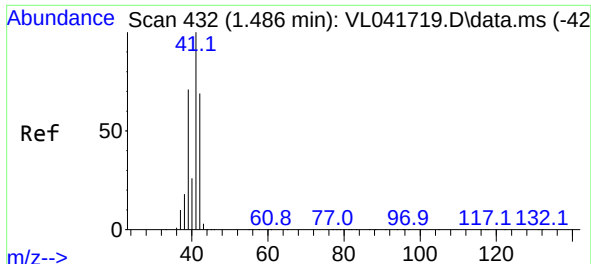
Tgt Ion: 62 Resp: 1105
 Ion Ratio Lower Upper
 62 100
 64 27.4 27.6 41.4#



#7
 Chloroethane
 Concen: 0.038 ppbv
 RT: 1.696 min Scan# 497
 Delta R.T. -0.010 min
 Lab File: VL041741.D
 Acq: 12 Dec 2024 09:30

Tgt Ion: 64 Resp: 234
 Ion Ratio Lower Upper
 64 100
 66 28.0 26.5 39.7

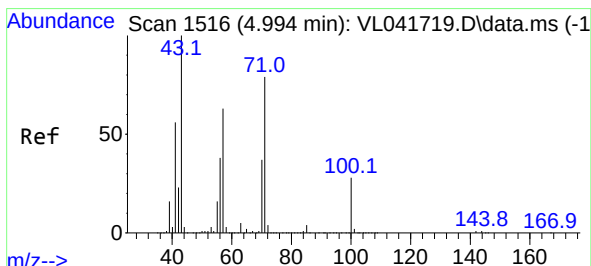
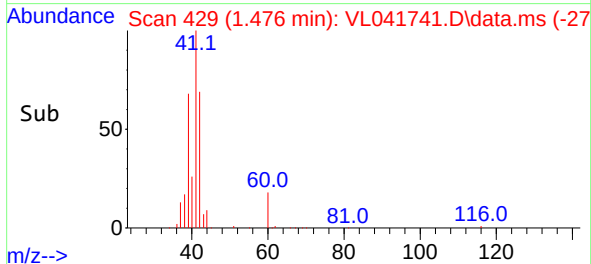
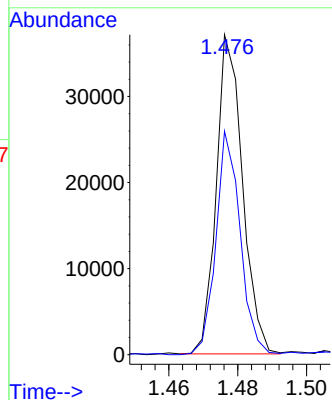
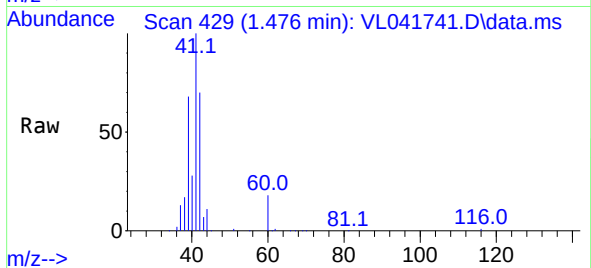




#9
Propene
Concen: 1.360 ppbv
RT: 1.476 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL041741.D
Acq: 12 Dec 2024 09:30

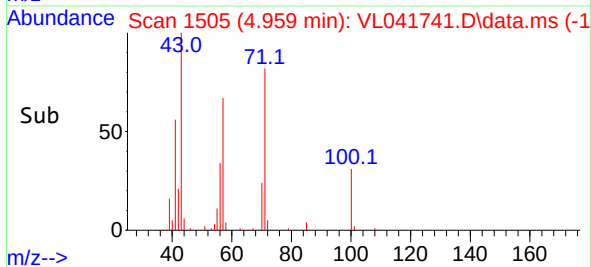
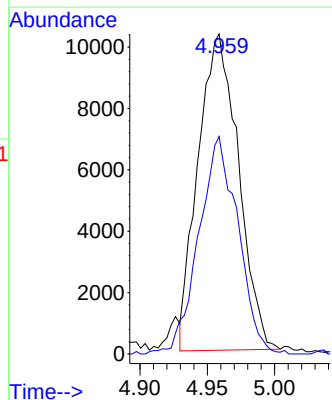
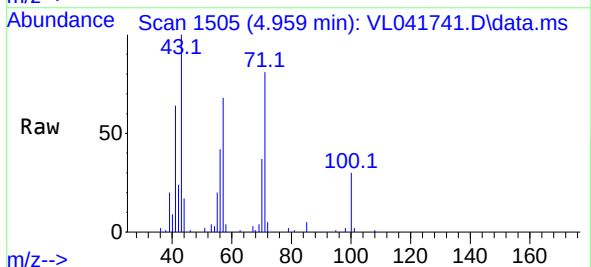
Instrument :
MSVOA_L
ClientSampleId :

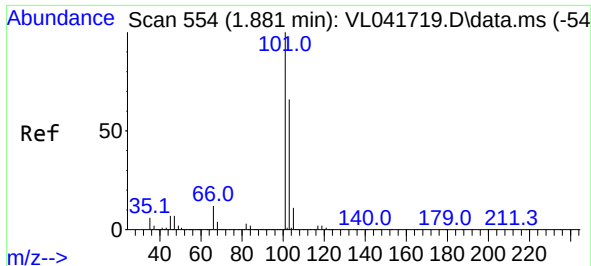
Tgt Ion: 41 Resp: 19632
Ion Ratio Lower Upper
41 100
42 64.7 56.2 84.4



#10
Heptane
Concen: 0.539 ppbv
RT: 4.959 min Scan# 1505
Delta R.T. -0.036 min
Lab File: VL041741.D
Acq: 12 Dec 2024 09:30

Tgt Ion: 43 Resp: 21511
Ion Ratio Lower Upper
43 100
57 66.9 50.5 75.7

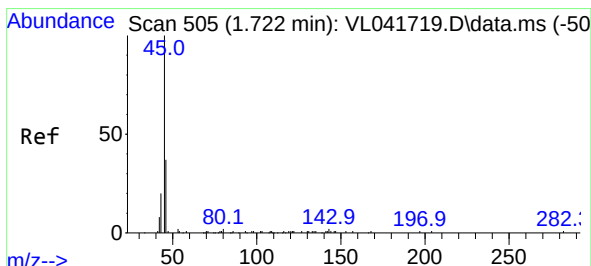
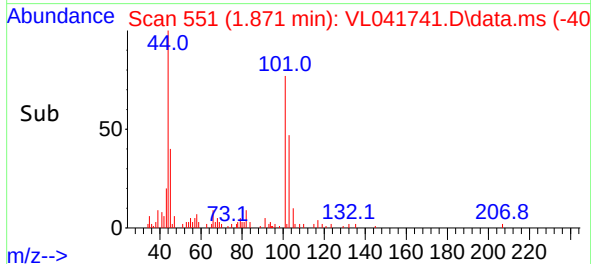
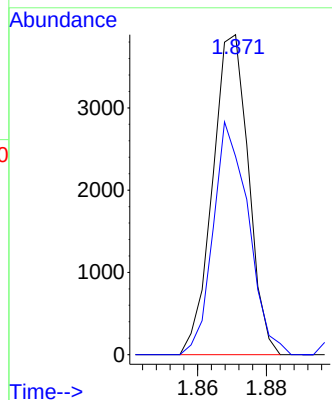
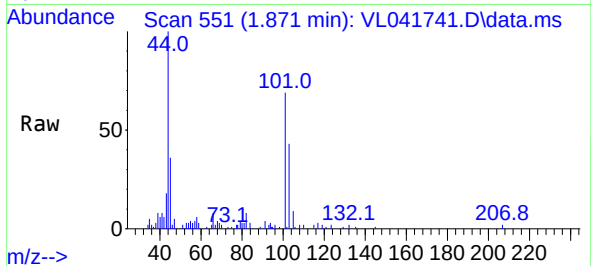




#11
Trichlorofluoromethane
Concen: 0.056 ppbv
RT: 1.871 min Scan# 511
Delta R.T. -0.010 min
Lab File: VL041741.D
Acq: 12 Dec 2024 09:30

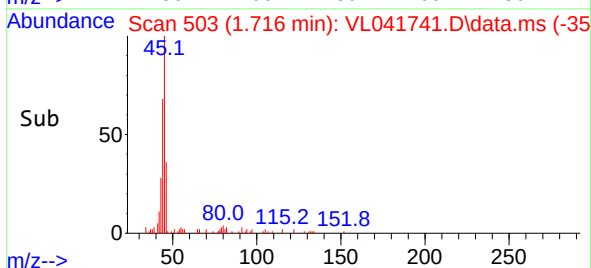
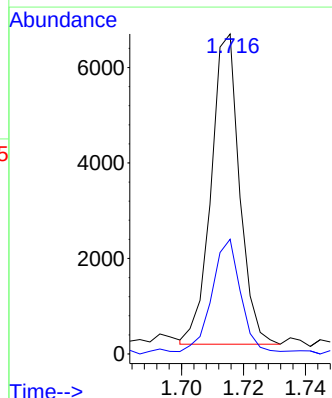
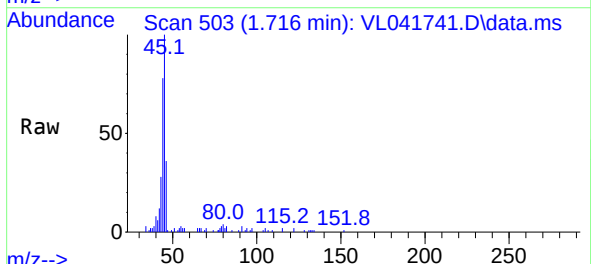
Instrument :
MSVOA_L
ClientSampleId :

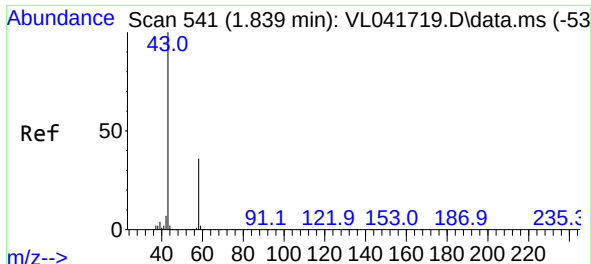
Tgt Ion:101 Resp: 2818
Ion Ratio Lower Upper
101 100
103 61.9 52.7 79.1



#13
Ethanol
Concen: 3.466 ppbv
RT: 1.716 min Scan# 503
Delta R.T. -0.007 min
Lab File: VL041741.D
Acq: 12 Dec 2024 09:30

Tgt Ion: 45 Resp: 4138
Ion Ratio Lower Upper
45 100
46 35.9 16.6 66.6

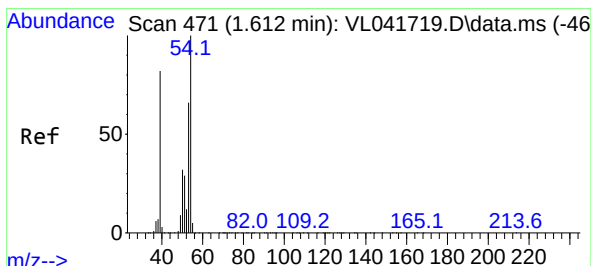
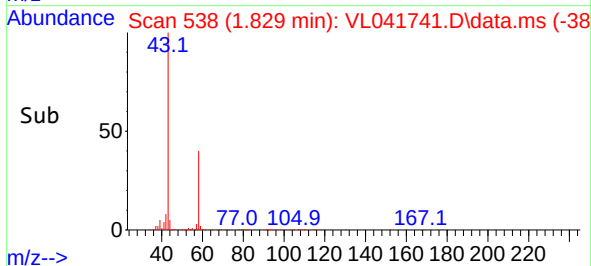
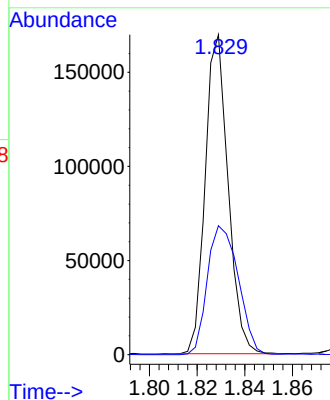
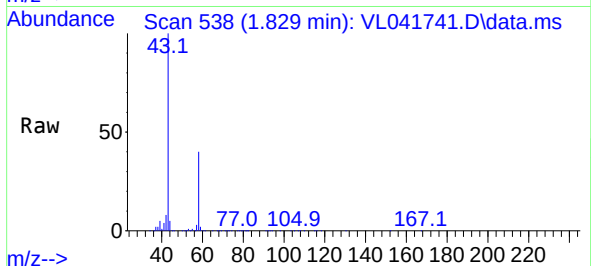




#15
Acetone
Concen: 3.934 ppbv
RT: 1.829 min Scan# 51
Delta R.T. -0.010 min
Lab File: VL041741.D
Acq: 12 Dec 2024 09:30

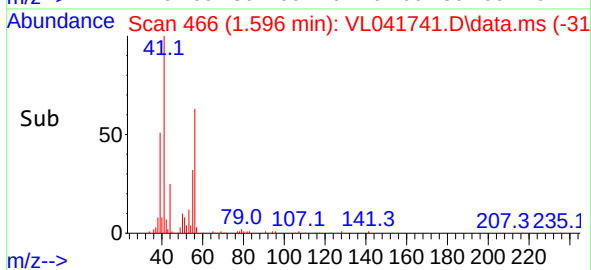
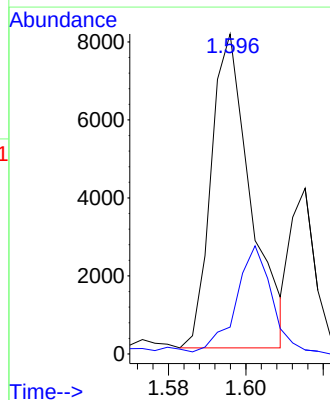
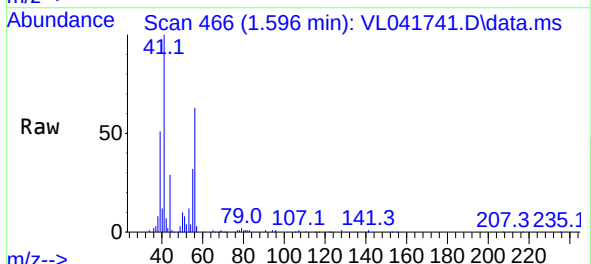
Instrument :
MSVOA_L
ClientSampleId :

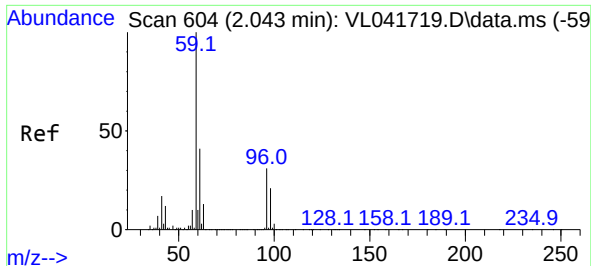
Tgt Ion: 43 Resp: 112952
Ion Ratio Lower Upper
43 100
58 55.4 28.9 43.3#



#16
1,3-Butadiene
Concen: 0.591 ppbv
RT: 1.596 min Scan# 466
Delta R.T. -0.016 min
Lab File: VL041741.D
Acq: 12 Dec 2024 09:30

Tgt Ion: 39 Resp: 5693
Ion Ratio Lower Upper
39 100
54 35.0 85.0 127.6#





#17

tert-Butyl alcohol

Concen: 0.233 ppbv

RT: 2.033 min Scan# 604

Delta R.T. -0.010 min

Lab File: VL041741.D

Acq: 12 Dec 2024 09:30

Instrument :

MSVOA_L

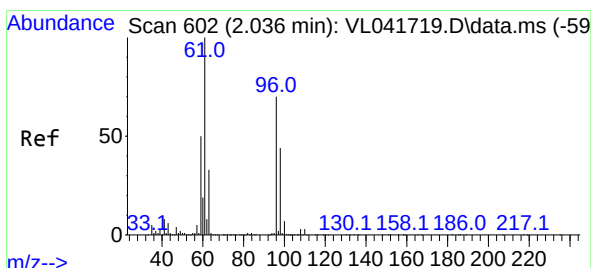
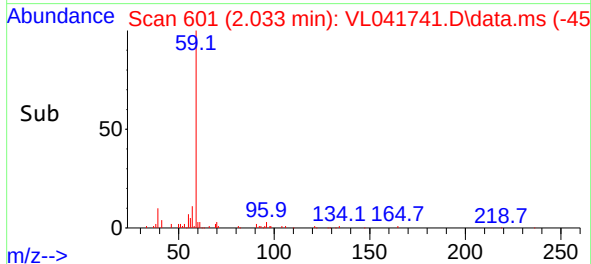
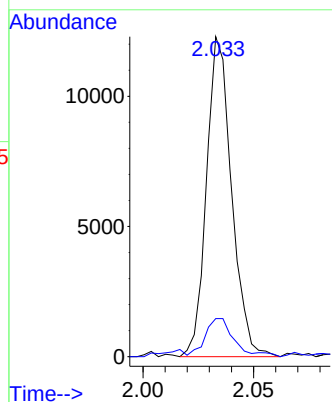
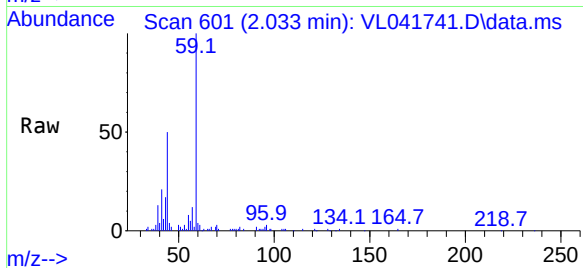
ClientSampleId :

Tgt Ion: 59 Resp: 9693

Ion Ratio Lower Upper

59 100

57 16.3 8.2 12.4#



#18

1,1-Dichloroethene

Concen: 0.669 ppbv

RT: 2.331 min Scan# 693

Delta R.T. 0.294 min

Lab File: VL041741.D

Acq: 12 Dec 2024 09:30

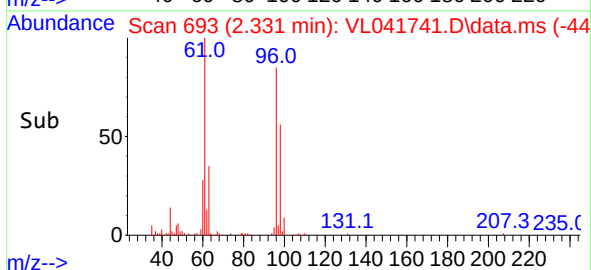
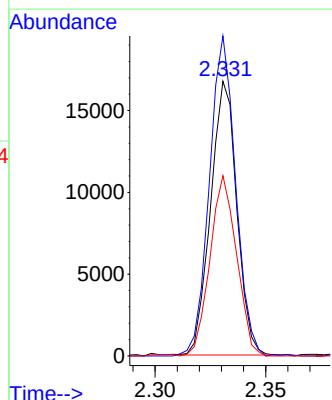
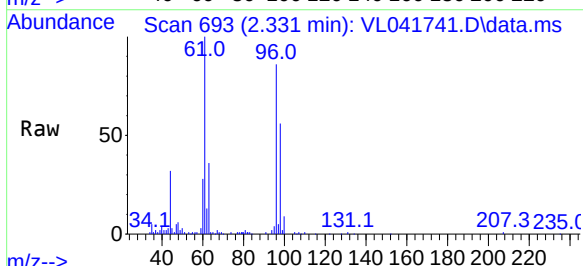
Tgt Ion: 96 Resp: 13751

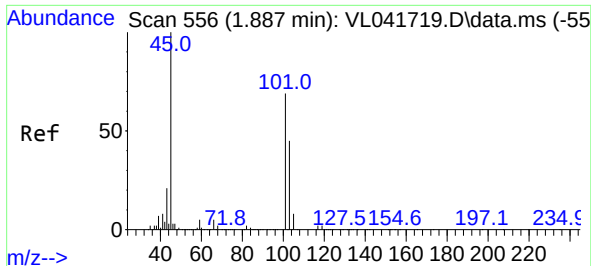
Ion Ratio Lower Upper

96 100

61 116.5 114.4 171.6

98 65.9 50.6 75.8

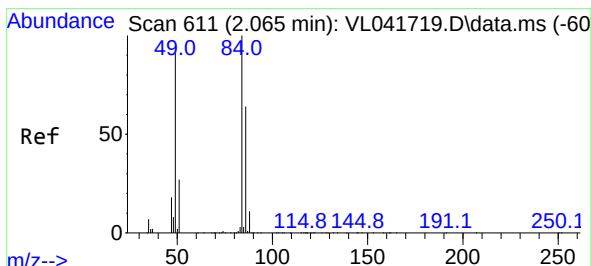
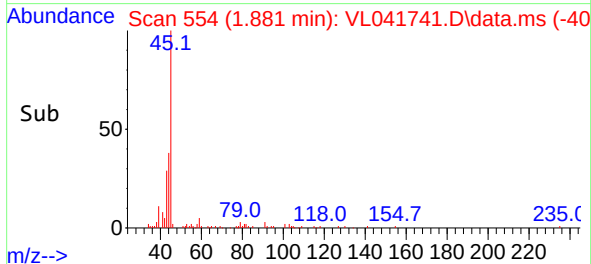
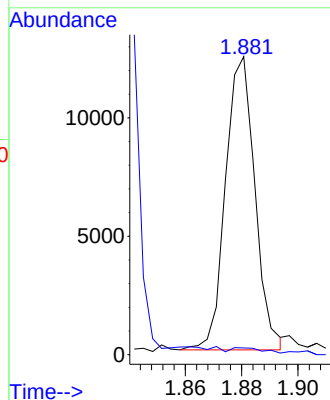
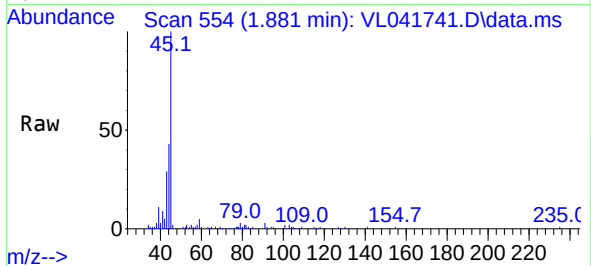




#19
Isopropyl Alcohol
Concen: 0.330 ppbv
RT: 1.881 min Scan# 51
Delta R.T. -0.007 min
Lab File: VL041741.D
Acq: 12 Dec 2024 09:30

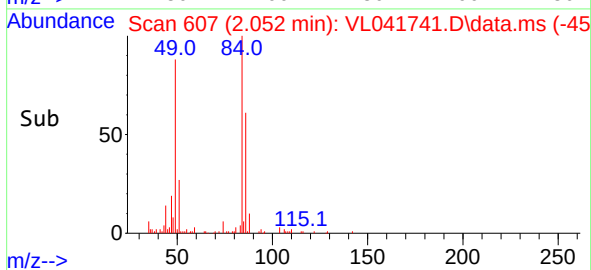
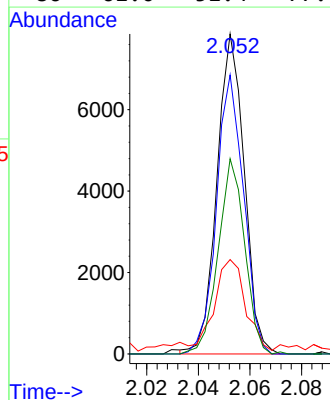
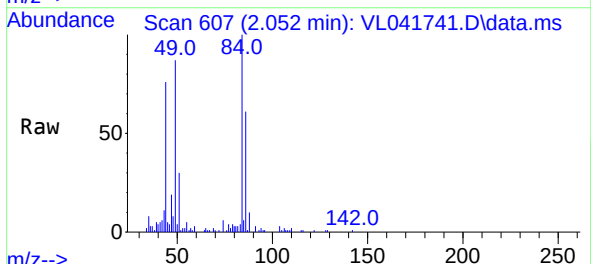
Instrument :
MSVOA_L
ClientSampleId :

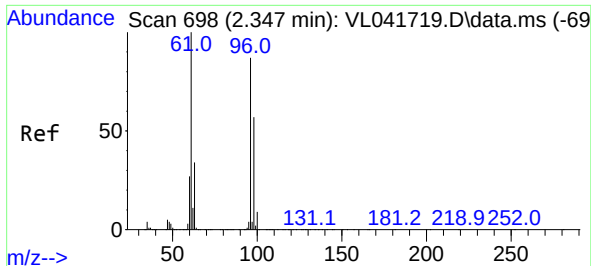
Tgt Ion: 45 Resp: 8990
Ion Ratio Lower Upper
45 100
58 695.9 40.6 61.0#



#20
Methylene Chloride
Concen: 0.332 ppbv
RT: 2.052 min Scan# 607
Delta R.T. -0.013 min
Lab File: VL041741.D
Acq: 12 Dec 2024 09:30

Tgt Ion: 84 Resp: 5770
Ion Ratio Lower Upper
84 100
49 87.2 73.6 110.4
51 26.6 22.7 34.1
86 61.0 51.4 77.0

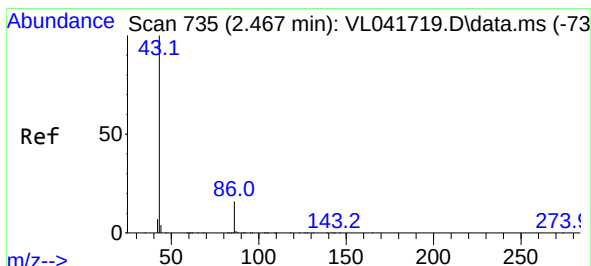
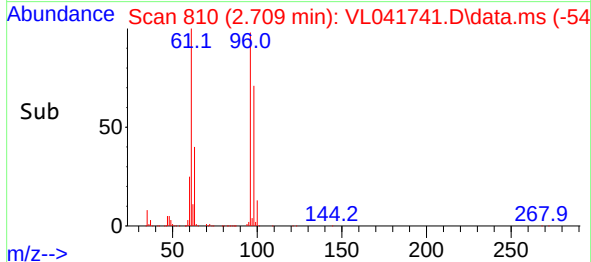
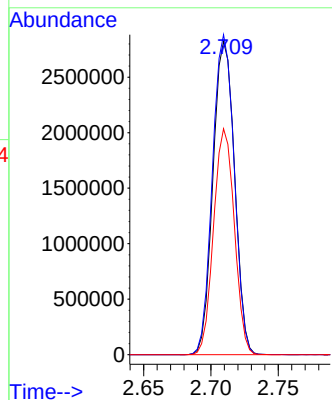
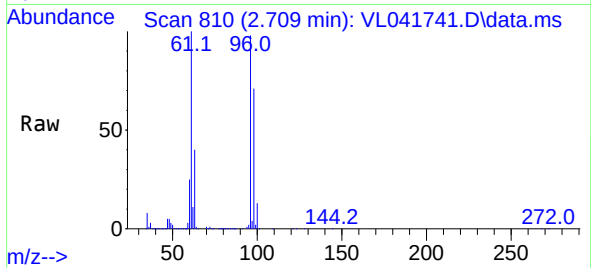




#22
trans-1,2-Dichloroethene
Concen: 131.676 ppbv
RT: 2.709 min Scan# 81
Delta R.T. 0.362 min
Lab File: VL041741.D
Acq: 12 Dec 2024 09:30

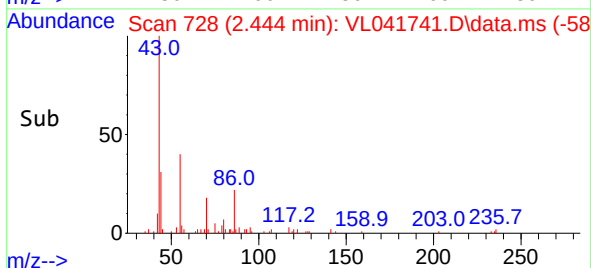
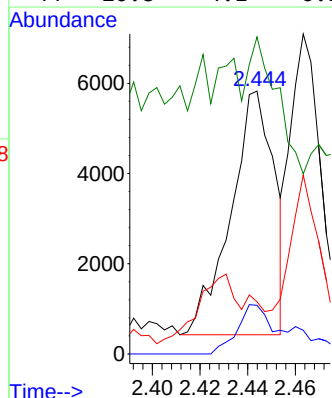
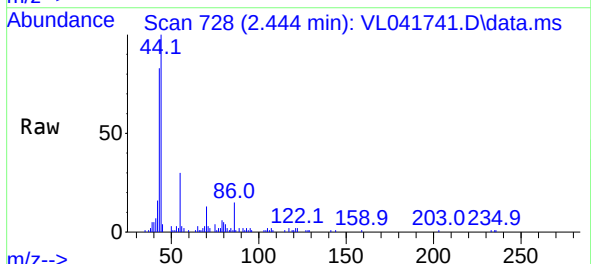
Instrument :
MSVOA_L
ClientSampleId :

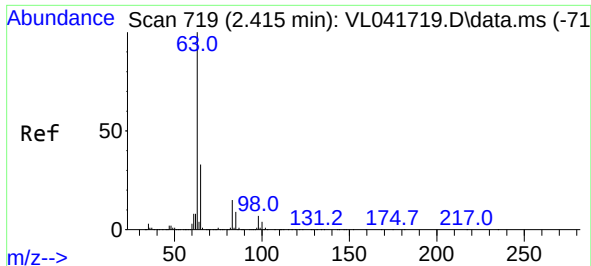
Tgt Ion: 96 Resp: 3143174
Ion Ratio Lower Upper
96 100
61 102.1 91.8 137.6
98 72.1 52.7 79.1



#23
Vinyl Acetate
Concen: 0.393 ppbv
RT: 2.444 min Scan# 728
Delta R.T. -0.023 min
Lab File: VL041741.D
Acq: 12 Dec 2024 09:30

Tgt Ion: 43 Resp: 6837
Ion Ratio Lower Upper
43 100
86 19.9 11.5 17.3#
42 11.5 6.6 10.0#
44 20.8 4.1 6.1#

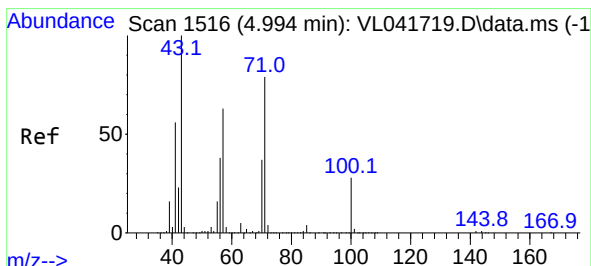
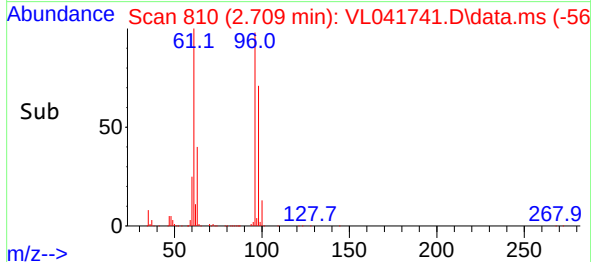
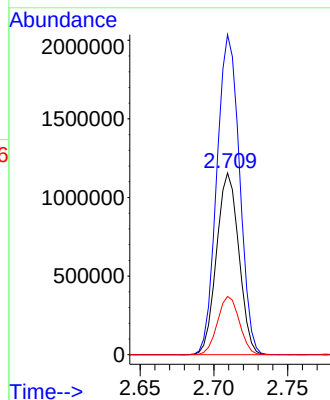
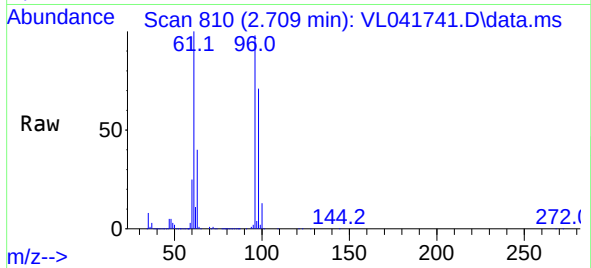




#24
1,1-Dichloroethane
Concen: 37.611 ppbv
RT: 2.709 min Scan# 81
Delta R.T. 0.294 min
Lab File: VL041741.D
Acq: 12 Dec 2024 09:30

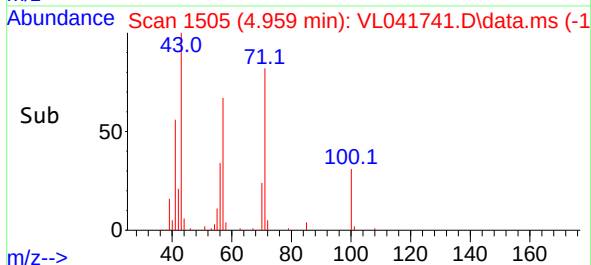
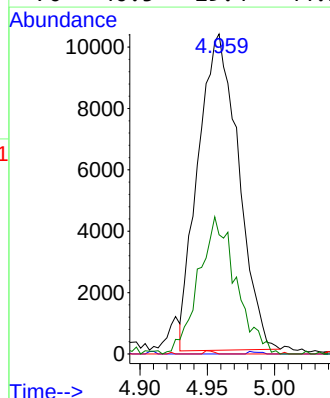
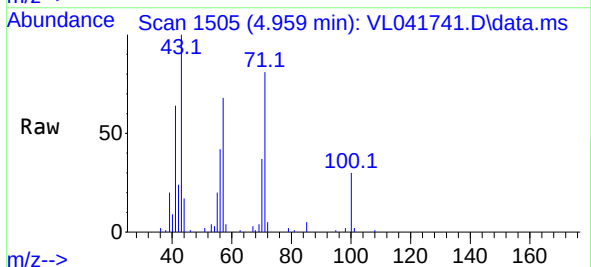
Instrument :
MSVOA_L
ClientSampleId :

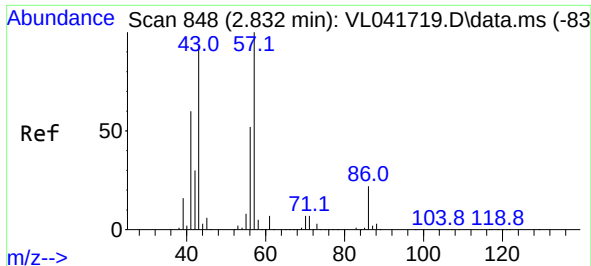
Tgt Ion: 63 Resp: 1215956
Ion Ratio Lower Upper
63 100
98 176.0 3.6 10.8#
100 32.0 2.3 6.8#



#25
Ethyl Acetate
Concen: 0.539 ppbv
RT: 4.959 min Scan# 1505
Delta R.T. -0.036 min
Lab File: VL041741.D
Acq: 12 Dec 2024 09:30

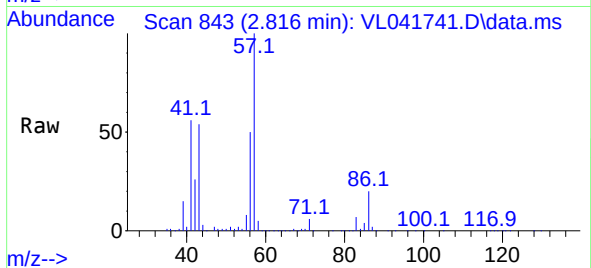
Tgt Ion: 43 Resp: 21511
Ion Ratio Lower Upper
43 100
45 0.2 0.0 0.0#
61 0.0 0.4 0.6#
70 40.5 29.4 44.2



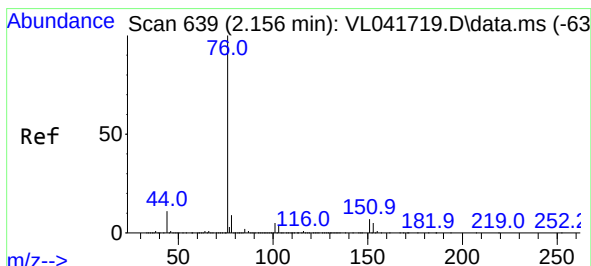
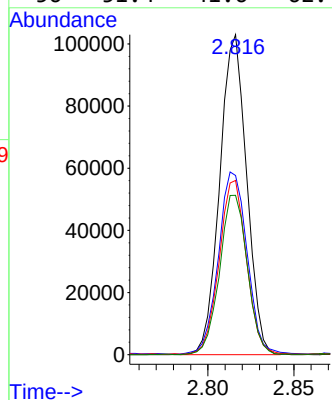
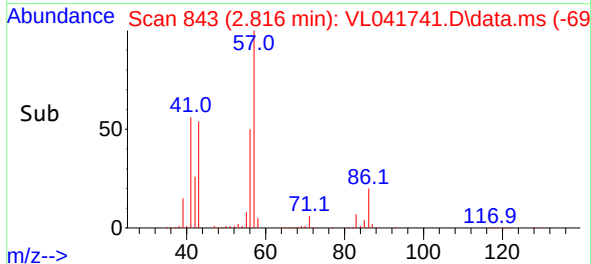


#26
Hexane
Concen: 2.894 ppbv
RT: 2.816 min Scan# 841
Delta R.T. -0.016 min
Lab File: VL041741.D
Acq: 12 Dec 2024 09:30

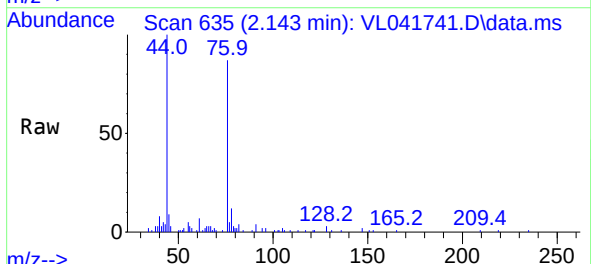
Instrument :
MSVOA_L
ClientSampleId :



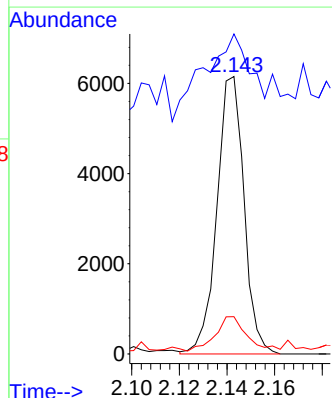
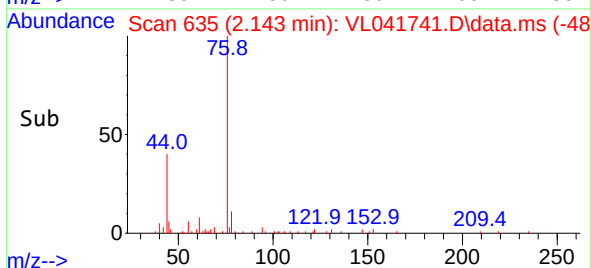
Tgt Ion: 57 Resp: 111986
Ion Ratio Lower Upper
57 100
41 60.5 49.5 74.3
43 55.0 150.6 225.8#
56 51.4 41.6 62.4

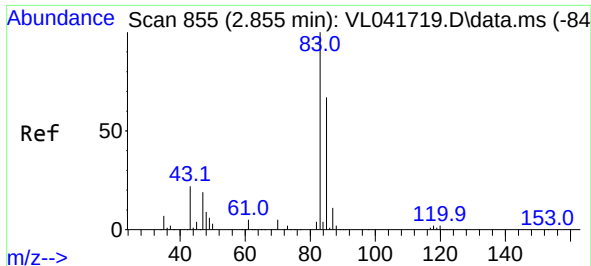


#27
Carbon Disulfide
Concen: 0.122 ppbv
RT: 2.143 min Scan# 635
Delta R.T. -0.013 min
Lab File: VL041741.D
Acq: 12 Dec 2024 09:30



Tgt Ion: 76 Resp: 4855
Ion Ratio Lower Upper
76 100
44 49.4 9.4 14.0#
78 15.8 9.4 14.0#





#29

Chloroform

Concen: 7.173 ppbv

RT: 2.836 min Scan# 84

Delta R.T. -0.019 min

Lab File: VL041741.D

Acq: 12 Dec 2024 09:30

Instrument :

MSVOA_L

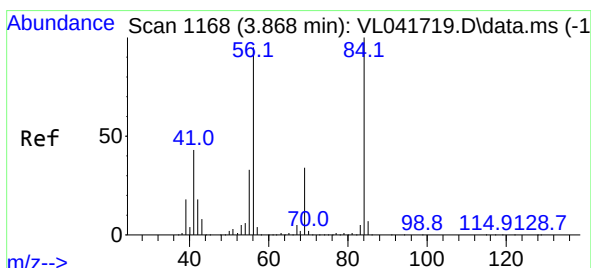
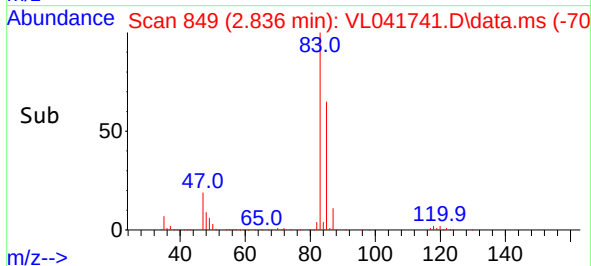
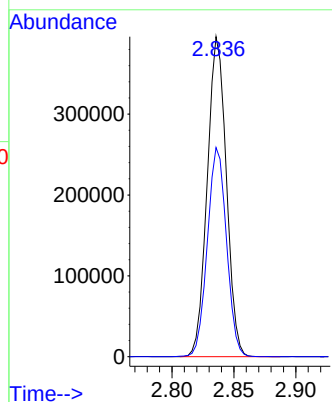
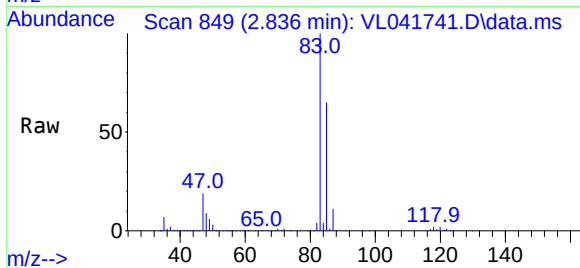
ClientSampleId :

Tgt Ion: 83 Resp: 424960

Ion Ratio Lower Upper

83 100

85 65.3 53.6 80.4



#30

Cyclohexane

Concen: 0.172 ppbv

RT: 3.839 min Scan# 1159

Delta R.T. -0.029 min

Lab File: VL041741.D

Acq: 12 Dec 2024 09:30

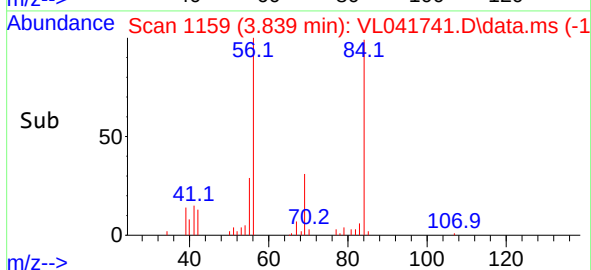
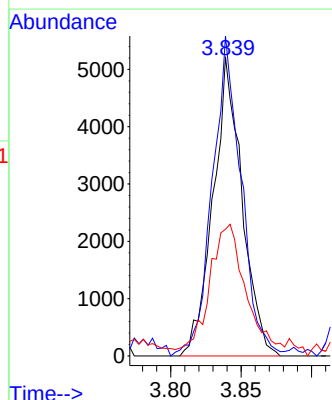
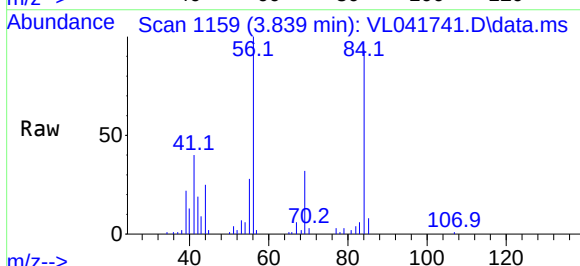
Tgt Ion: 84 Resp: 7471

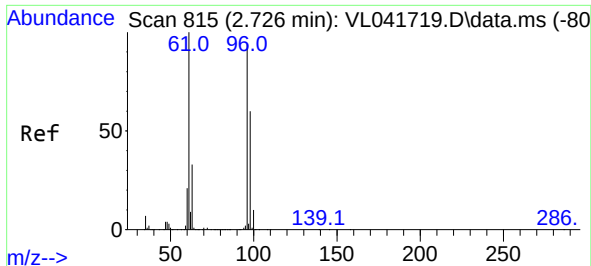
Ion Ratio Lower Upper

84 100

56 107.7 76.0 114.0

41 58.9 34.2 51.4#

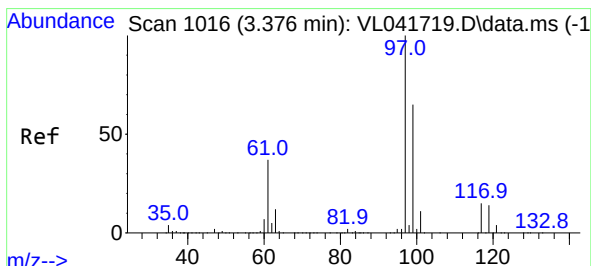
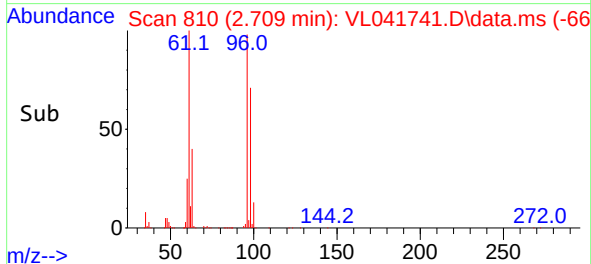
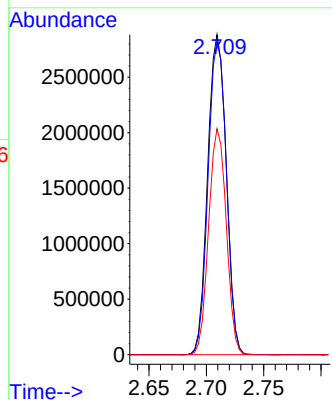
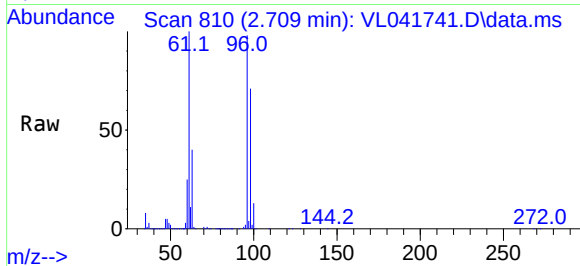




#31
 cis-1,2-Dichloroethene
 Concen: 90.159 ppbv
 RT: 2.709 min Scan# 81
 Delta R.T. -0.016 min
 Lab File: VL041741.D
 Acq: 12 Dec 2024 09:30

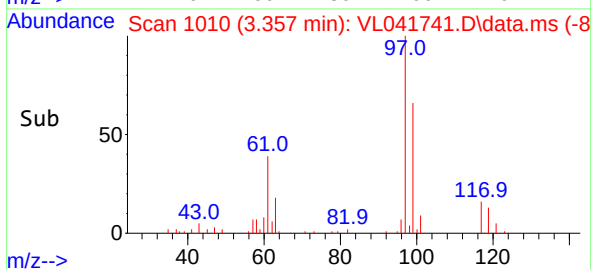
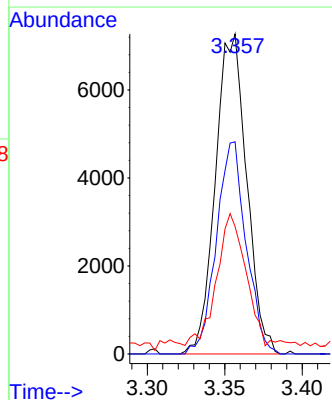
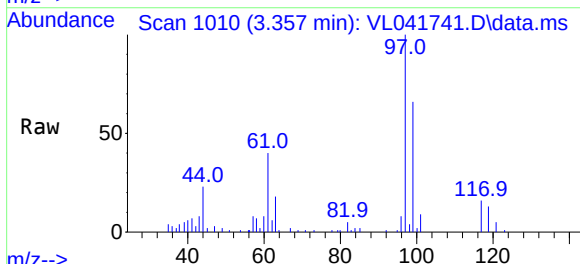
Instrument :
 MSVOA_L
 ClientSampleId :

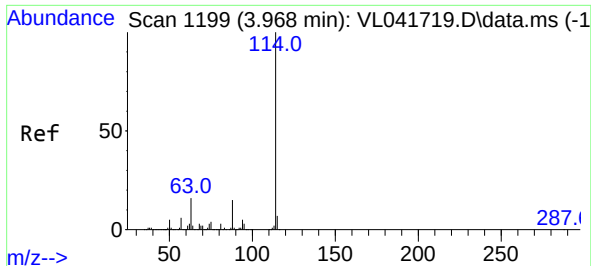
Tgt Ion: 61 Resp: 3232150
 Ion Ratio Lower Upper
 61 100
 96 97.9 75.4 113.2
 98 70.6 48.3 72.5



#32
 1,1,1-Trichloroethane
 Concen: 0.175 ppbv
 RT: 3.357 min Scan# 1010
 Delta R.T. -0.019 min
 Lab File: VL041741.D
 Acq: 12 Dec 2024 09:30

Tgt Ion: 97 Resp: 10208
 Ion Ratio Lower Upper
 97 100
 99 63.3 52.2 78.2
 61 41.1 29.8 44.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.939 min Scan# 11

Delta R.T. -0.029 min

Lab File: VL041741.D

Acq: 12 Dec 2024 09:30

Instrument :

MSVOA_L

ClientSampleId :

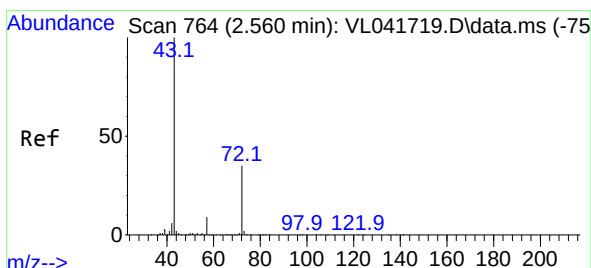
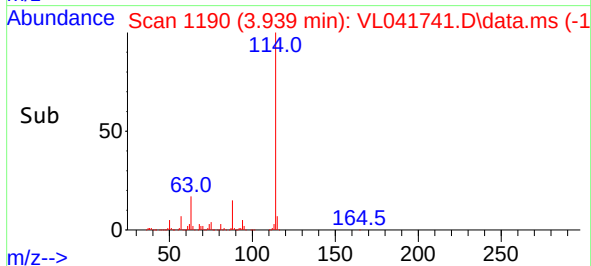
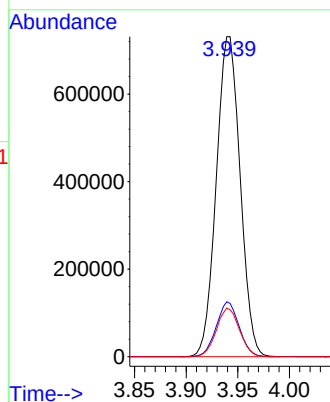
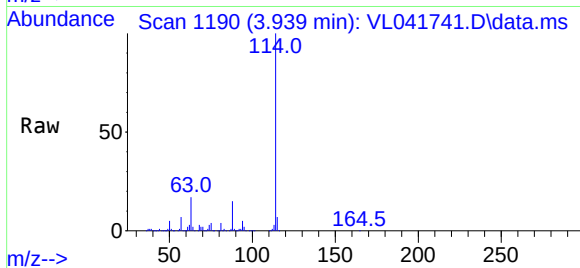
Tgt Ion:114 Resp: 1174841

Ion Ratio Lower Upper

114 100

63 16.4 12.9 19.3

88 14.7 11.8 17.6



#34

2-Butanone

Concen: 3.260 ppbv

RT: 2.547 min Scan# 760

Delta R.T. -0.013 min

Lab File: VL041741.D

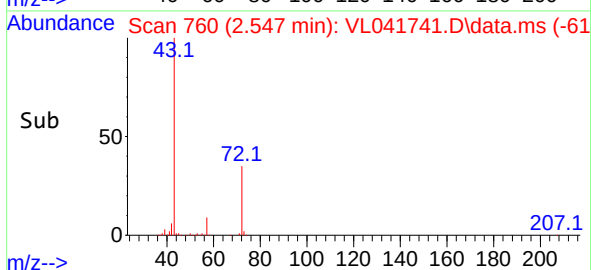
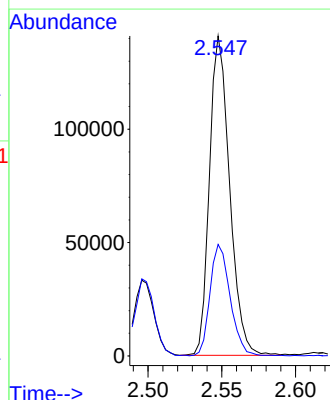
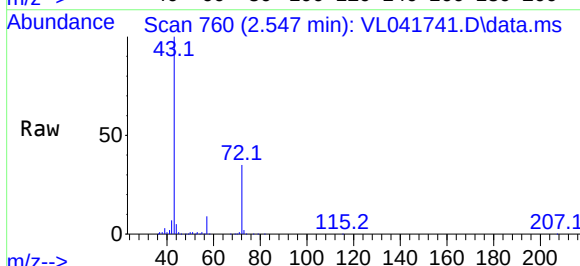
Acq: 12 Dec 2024 09:30

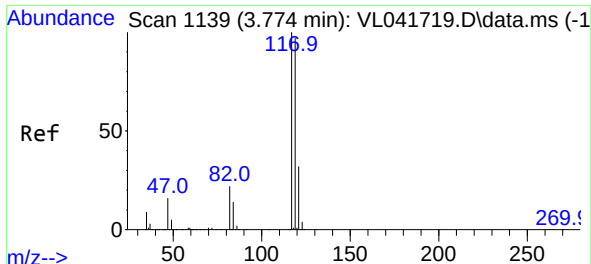
Tgt Ion: 43 Resp: 134108

Ion Ratio Lower Upper

43 100

72 35.3 28.3 42.5

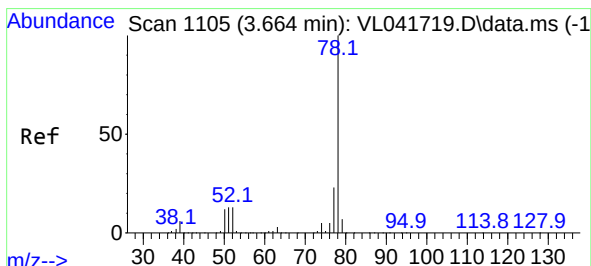
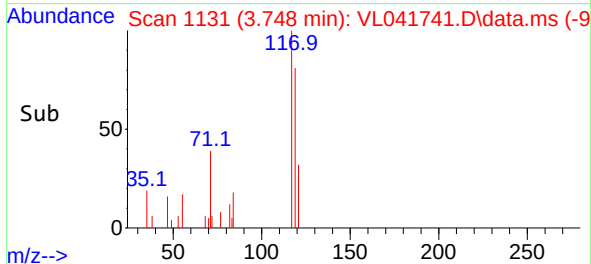
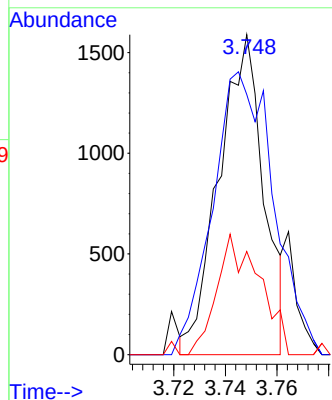
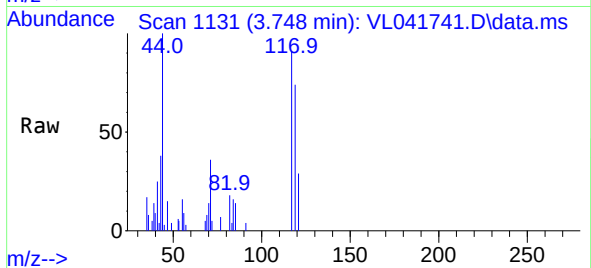




#35
Carbon Tetrachloride
Concen: 0.035 ppbv
RT: 3.748 min Scan# 1139
Delta R.T. -0.026 min
Lab File: VL041741.D
Acq: 12 Dec 2024 09:30

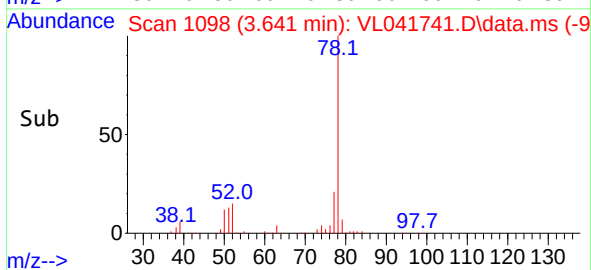
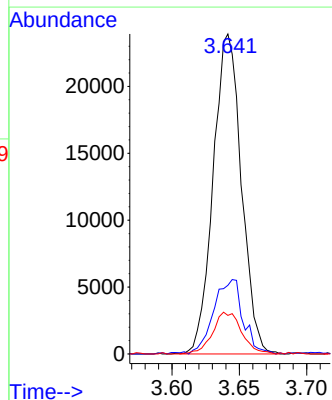
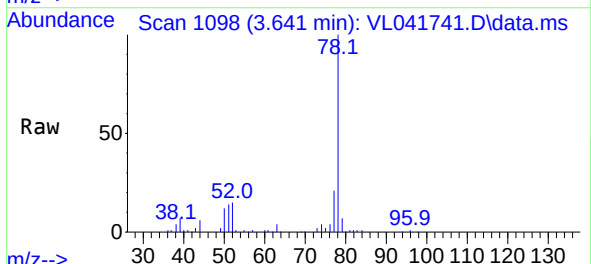
Instrument :
MSVOA_L
ClientSampleId :

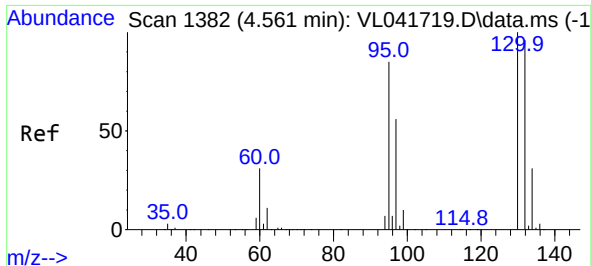
Tgt Ion:117 Resp: 1914
Ion Ratio Lower Upper
117 100
119 79.6 77.7 116.5
121 34.1 25.5 38.3



#36
Benzene
Concen: 0.377 ppbv
RT: 3.641 min Scan# 1098
Delta R.T. -0.023 min
Lab File: VL041741.D
Acq: 12 Dec 2024 09:30

Tgt Ion: 78 Resp: 34844
Ion Ratio Lower Upper
78 100
77 21.1 18.6 27.8
50 12.1 9.5 14.3

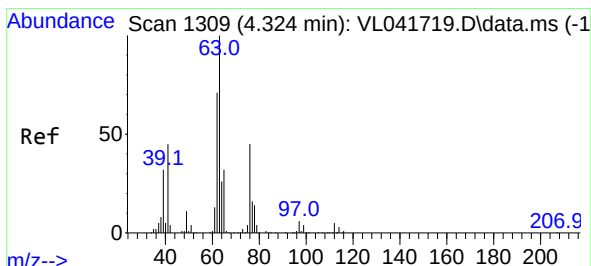
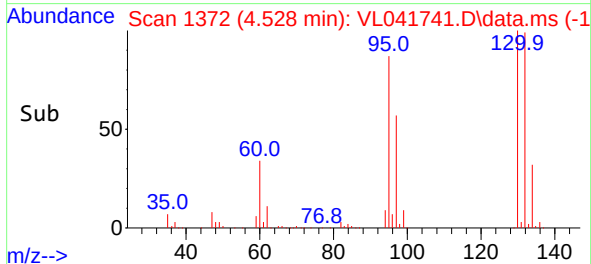
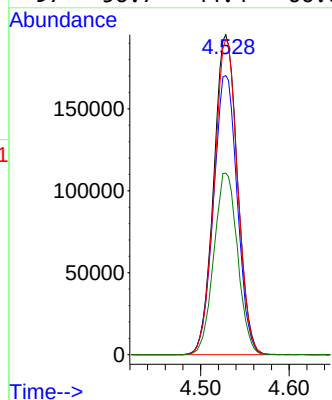
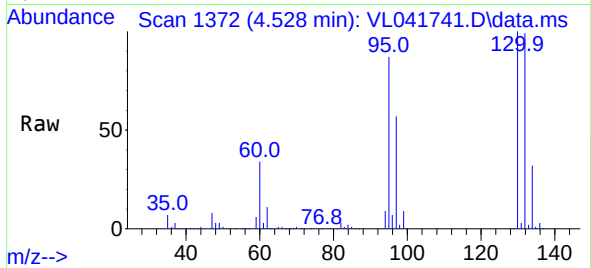




#38
Trichloroethene
Concen: 7.580 ppbv
RT: 4.528 min Scan# 1190
Delta R.T. -0.032 min
Lab File: VL041741.D
Acq: 12 Dec 2024 09:30

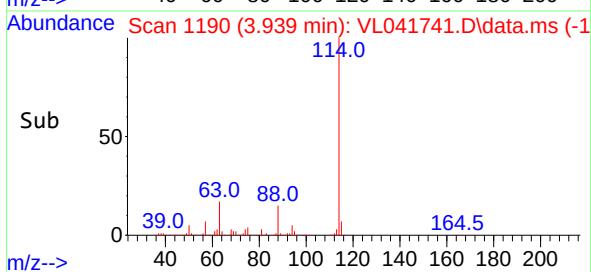
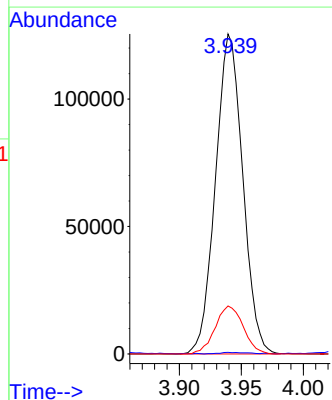
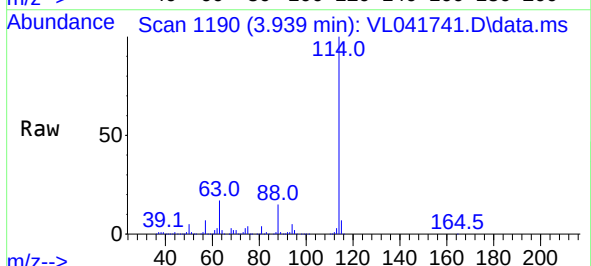
Instrument :
MSVOA_L
ClientSampleId :

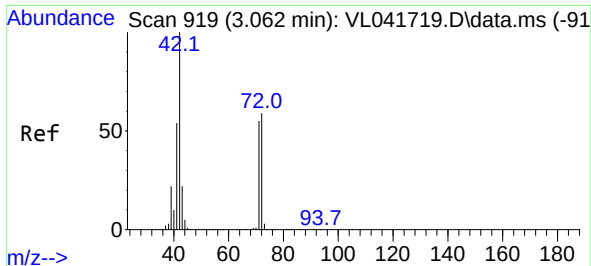
Tgt Ion:130 Resp: 363103
Ion Ratio Lower Upper
130 100
95 87.1 68.0 102.0
132 98.5 76.5 114.7
97 56.7 44.4 66.6



#39
1,2-Dichloropropane
Concen: 6.537 ppbv
RT: 3.939 min Scan# 1190
Delta R.T. -0.385 min
Lab File: VL041741.D
Acq: 12 Dec 2024 09:30

Tgt Ion: 63 Resp: 192399
Ion Ratio Lower Upper
63 100
41 0.4 36.4 54.6#
62 15.0 56.6 85.0#

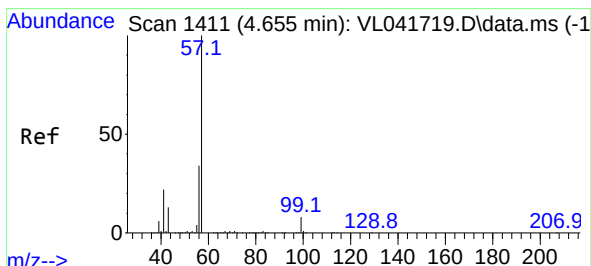
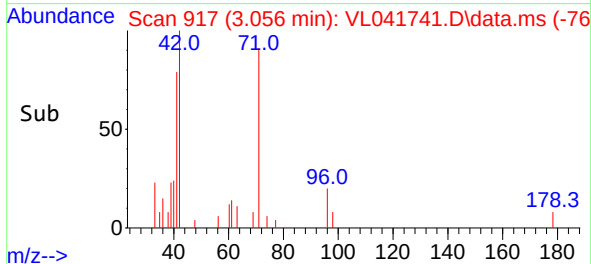
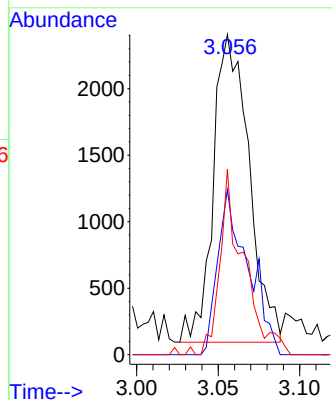
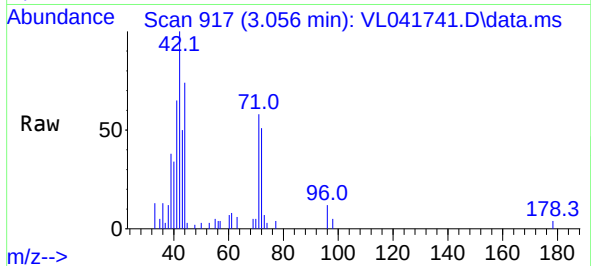




#41
Tetrahydrofuran
Concen: 0.142 ppbv
RT: 3.056 min Scan# 917
Delta R.T. -0.007 min
Lab File: VL041741.D
Acq: 12 Dec 2024 09:30

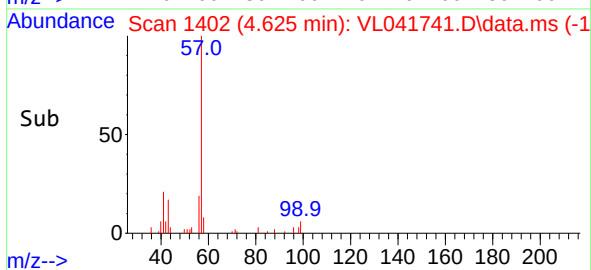
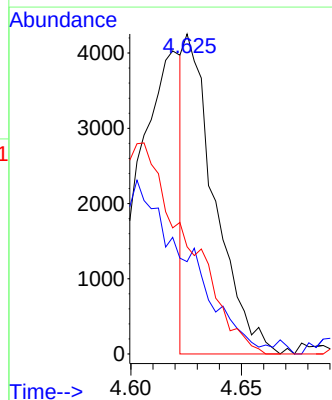
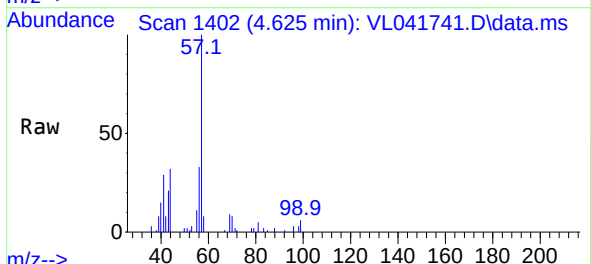
Instrument :
MSVOA_L
ClientSampleId :

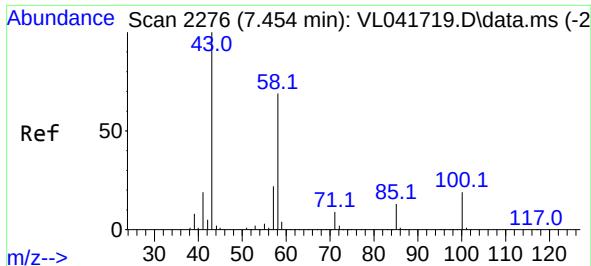
Tgt Ion: 42 Resp: 3518
Ion Ratio Lower Upper
42 100
72 45.8 47.4 71.0#
71 40.6 44.4 66.6#



#44
2,2,4-Trimethylpentane
Concen: 0.032 ppbv
RT: 4.625 min Scan# 1402
Delta R.T. -0.029 min
Lab File: VL041741.D
Acq: 12 Dec 2024 09:30

Tgt Ion: 57 Resp: 4080
Ion Ratio Lower Upper
57 100
41 0.0 17.2 25.8#
56 0.0 26.6 40.0#

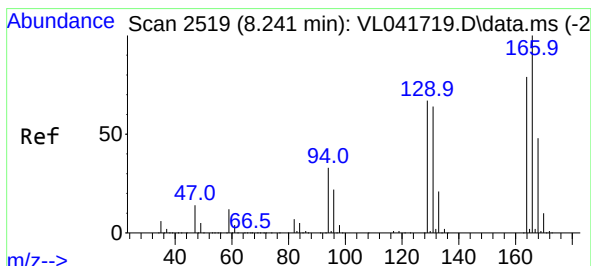
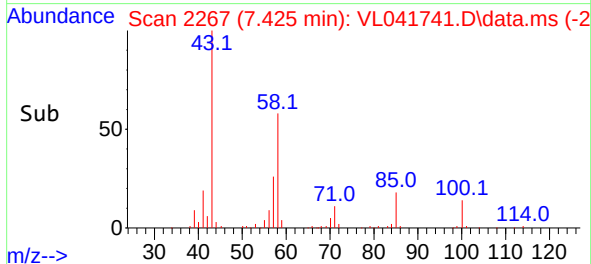
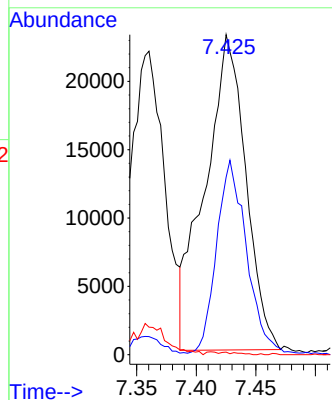
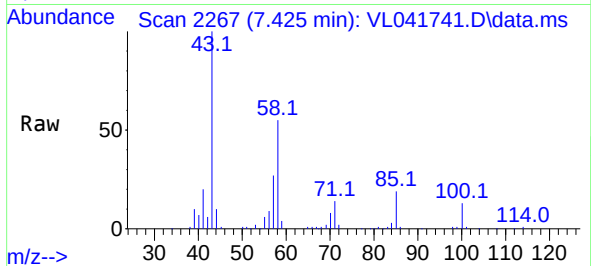




#51
2-Hexanone
Concen: 1.131 ppbv
RT: 7.425 min Scan# 2111
Delta R.T. -0.029 min
Lab File: VL041741.D
Acq: 12 Dec 2024 09:30

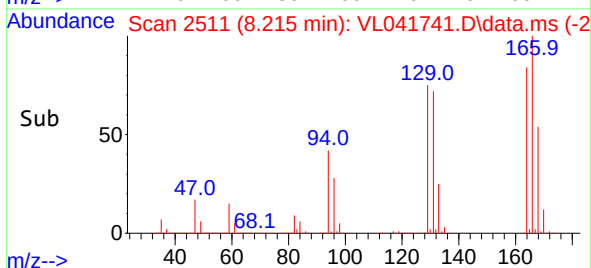
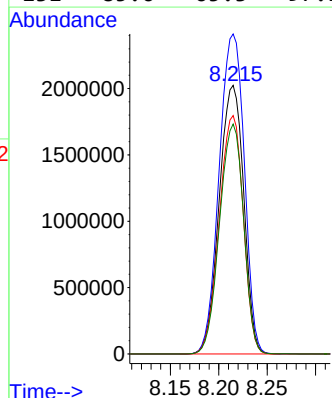
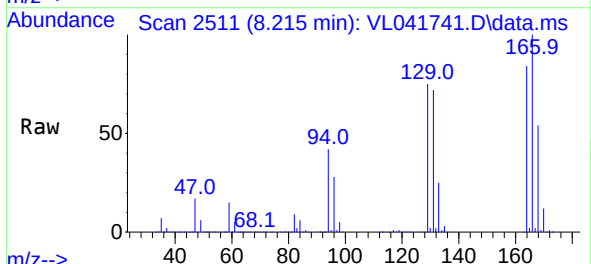
Instrument :
MSVOA_L
ClientSampleId :

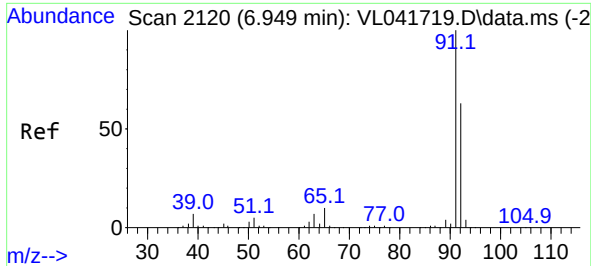
Tgt Ion: 43 Resp: 54870
Ion Ratio Lower Upper
43 100
58 46.2 54.2 81.4#
98 0.0 0.2 0.2#



#52
Tetrachloroethene
Concen: 72.876 ppbv
RT: 8.215 min Scan# 2511
Delta R.T. -0.026 min
Lab File: VL041741.D
Acq: 12 Dec 2024 09:30

Tgt Ion: 164 Resp: 3566631
Ion Ratio Lower Upper
164 100
166 119.1 101.4 152.0
129 88.8 67.6 101.4
131 85.6 65.3 97.9

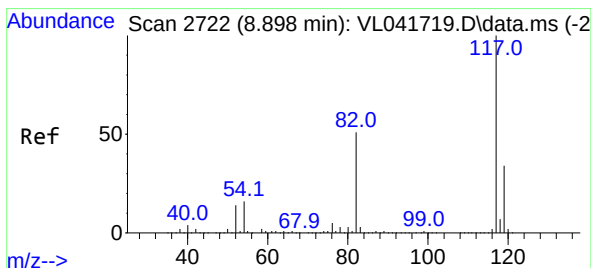
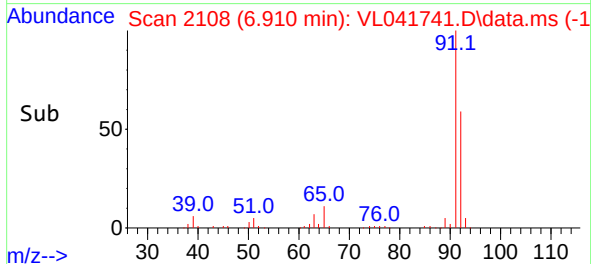
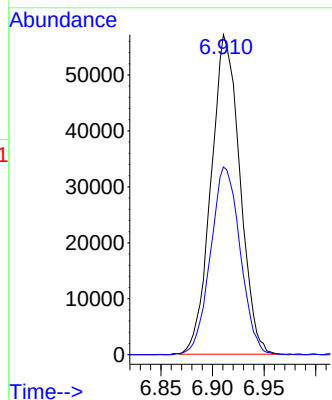
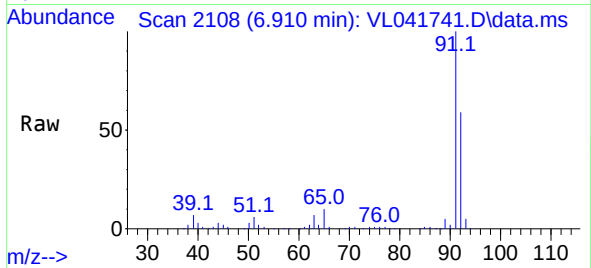




#53
Toluene
Concen: 0.977 ppbv
RT: 6.910 min Scan# 2120
Delta R.T. -0.039 min
Lab File: VL041741.D
Acq: 12 Dec 2024 09:30

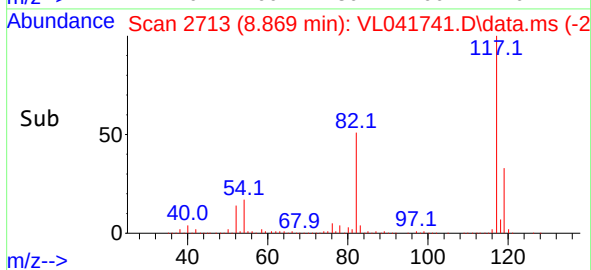
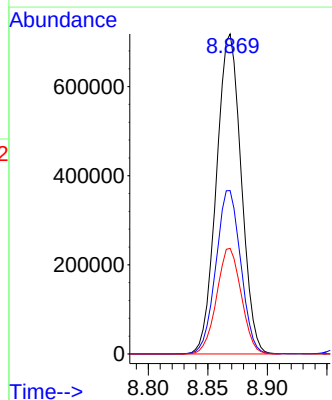
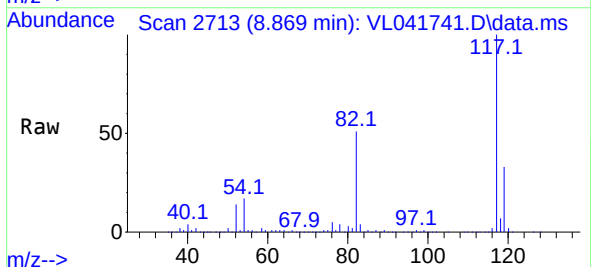
Instrument :
MSVOA_L
ClientSampleId :

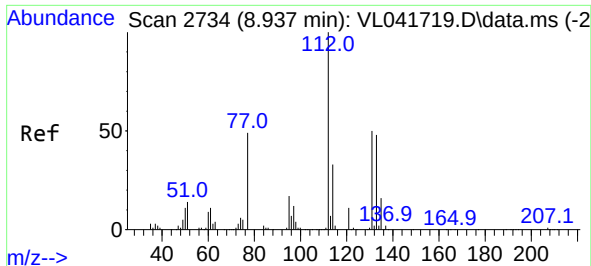
Tgt Ion: 91 Resp: 110875
Ion Ratio Lower Upper
91 100
92 60.6 49.7 74.5



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.869 min Scan# 2713
Delta R.T. -0.029 min
Lab File: VL041741.D
Acq: 12 Dec 2024 09:30

Tgt Ion: 117 Resp: 1039004
Ion Ratio Lower Upper
117 100
82 51.2 41.3 61.9
119 32.9 25.8 38.8

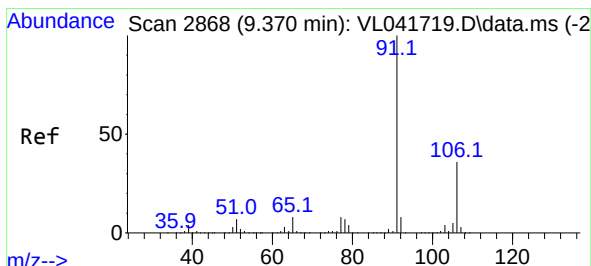
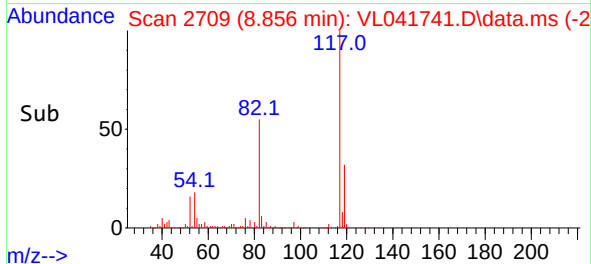
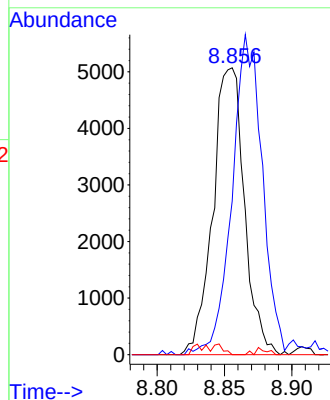
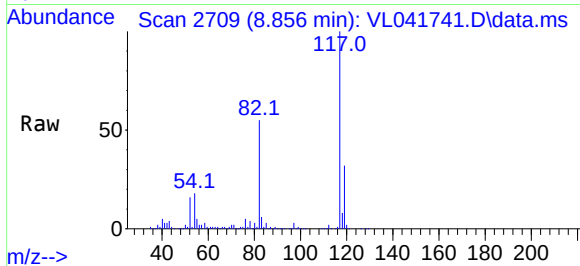




#57
Chlorobenzene
Concen: 0.087 ppbv
RT: 8.856 min Scan# 21
Delta R.T. -0.081 min
Lab File: VL041741.D
Acq: 12 Dec 2024 09:30

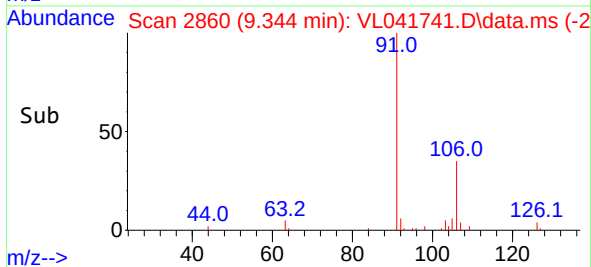
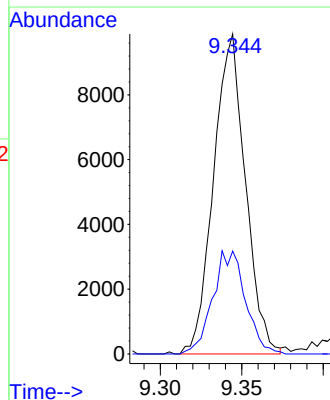
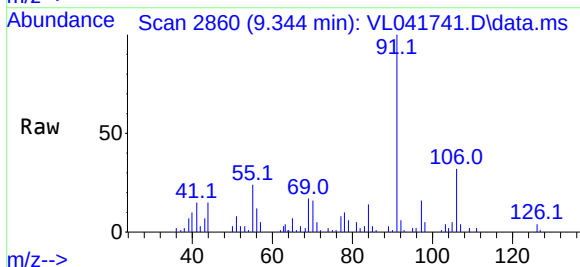
Instrument :
MSVOA_L
ClientSampleId :

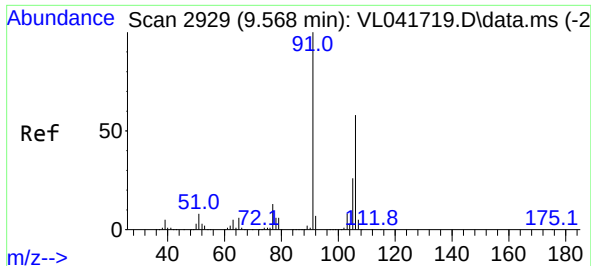
Tgt Ion:112 Resp: 8242
Ion Ratio Lower Upper
112 100
77 53.6 40.1 60.1
114 0.0 30.2 36.9#



#58
Ethyl Benzene
Concen: 0.096 ppbv
RT: 9.344 min Scan# 2860
Delta R.T. -0.026 min
Lab File: VL041741.D
Acq: 12 Dec 2024 09:30

Tgt Ion: 91 Resp: 13407
Ion Ratio Lower Upper
91 100
106 32.1 28.6 43.0





#59

m/p-Xylene

Concen: 0.331 ppbv

RT: 9.519 min Scan# 2914

Delta R.T. -0.049 min

Lab File: VL041741.D

Acq: 12 Dec 2024 09:30

Instrument :

MSVOA_L

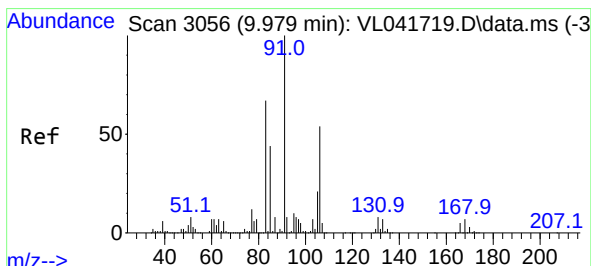
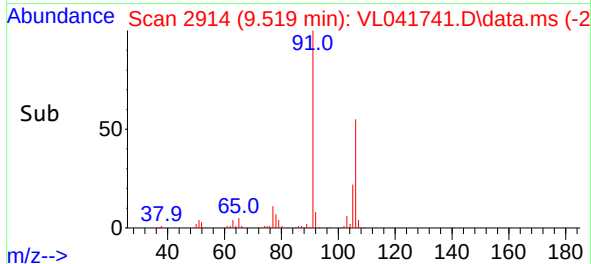
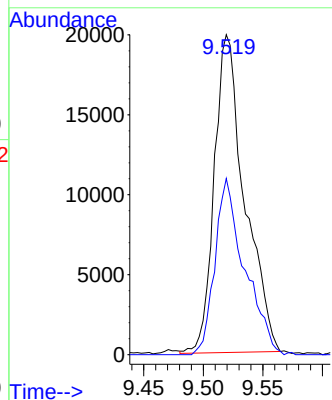
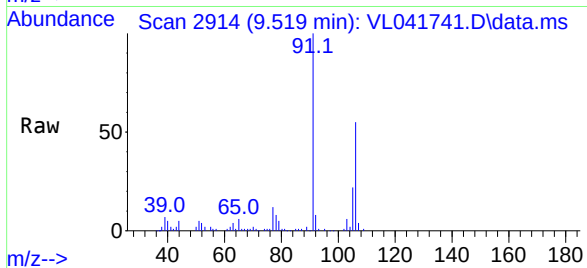
ClientSampleId :

Tgt Ion: 91 Resp: 35278

Ion Ratio Lower Upper

91 100

106 54.0 45.1 67.7



#60

o-Xylene

Concen: 0.158 ppbv

RT: 9.953 min Scan# 3048

Delta R.T. -0.026 min

Lab File: VL041741.D

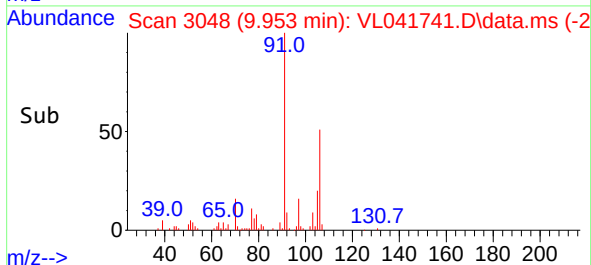
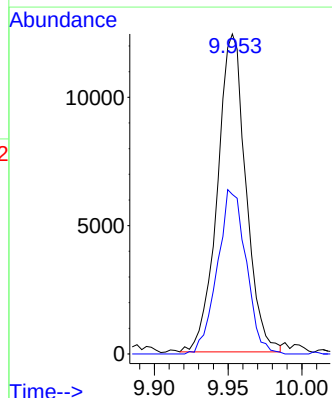
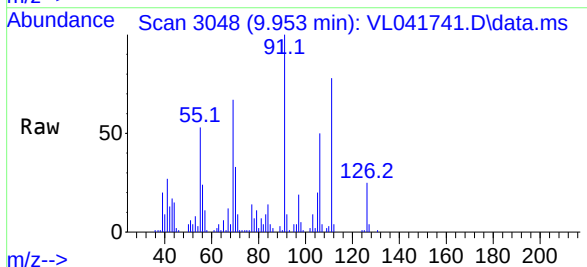
Acq: 12 Dec 2024 09:30

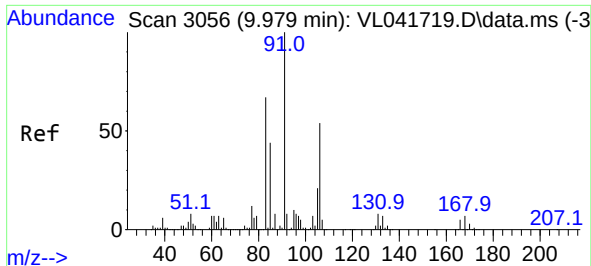
Tgt Ion: 91 Resp: 16663

Ion Ratio Lower Upper

91 100

106 52.3 26.8 80.4





#63

1,1,2,2-Tetrachloroethane

Concen: 0.056 ppbv

RT: 9.937 min Scan# 3056

Delta R.T. -0.042 min

Lab File: VL041741.D

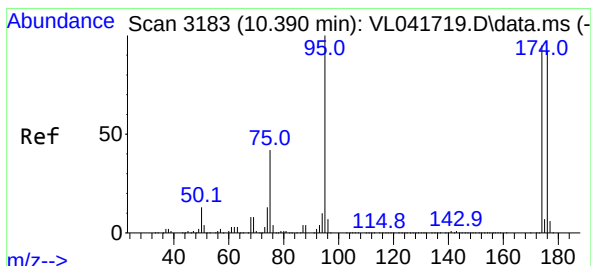
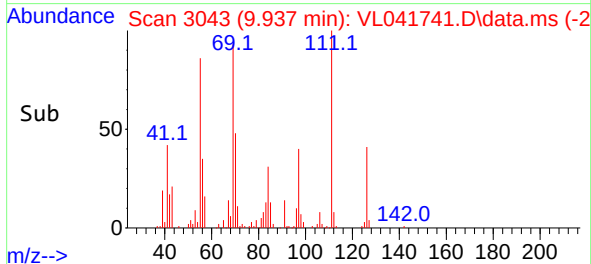
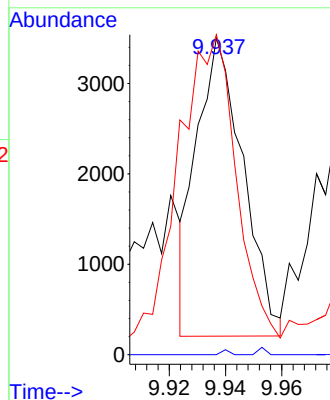
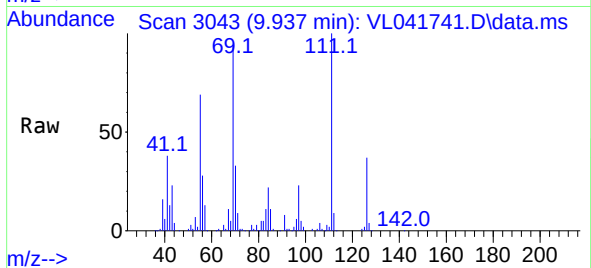
Acq: 12 Dec 2024 09:30

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	83	Resp:	3798
Ion	Ratio	Lower	Upper
83	100		
131	0.7	5.9	17.6#
85	129.3	32.8	98.4#



#68

1-Bromo-4-Fluorobenzene

Concen: 10.119 ppbv

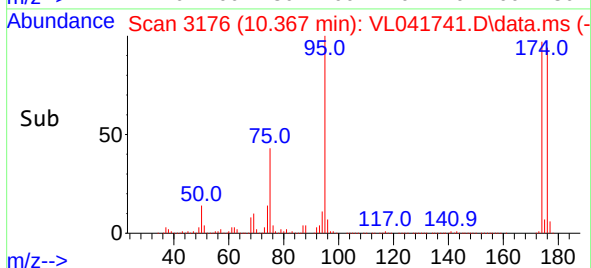
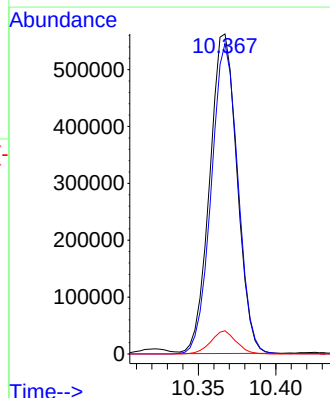
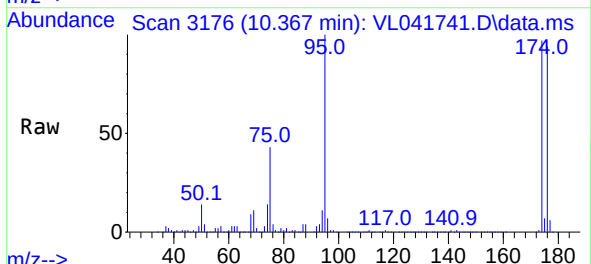
RT: 10.367 min Scan# 3176

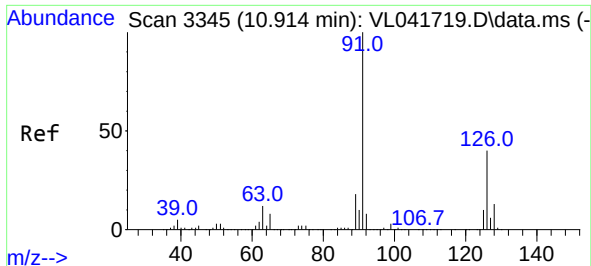
Delta R.T. -0.023 min

Lab File: VL041741.D

Acq: 12 Dec 2024 09:30

Tgt Ion:	95	Resp:	691149
Ion	Ratio	Lower	Upper
95	100		
174	94.4	76.7	115.1
175	6.7	5.4	8.2

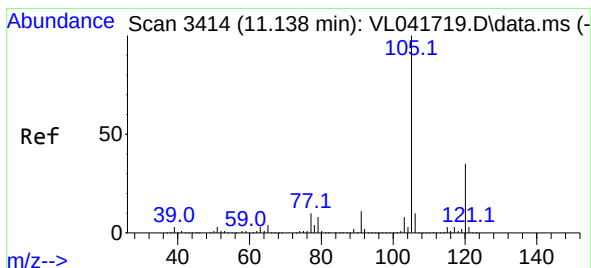
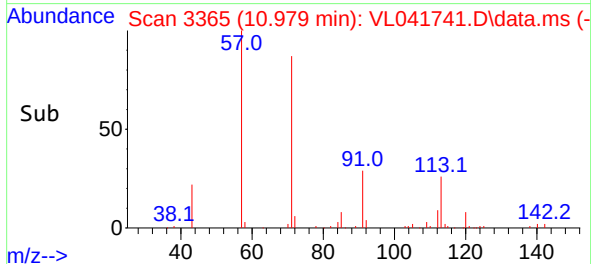
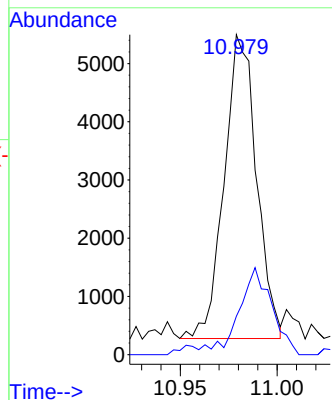
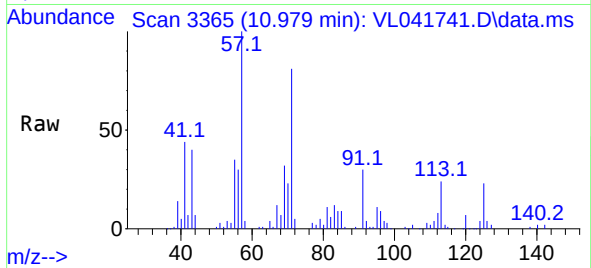




#71
2-Chlorotoluene
Concen: 0.051 ppbv
RT: 10.979 min Scan# 31
Delta R.T. 0.065 min
Lab File: VL041741.D
Acq: 12 Dec 2024 09:30

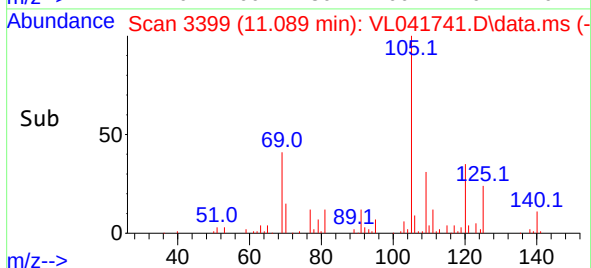
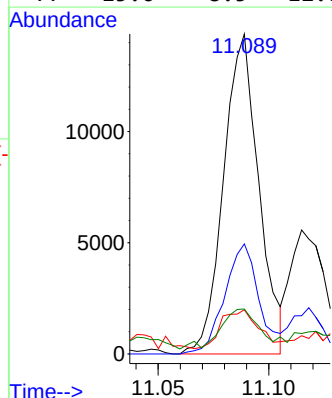
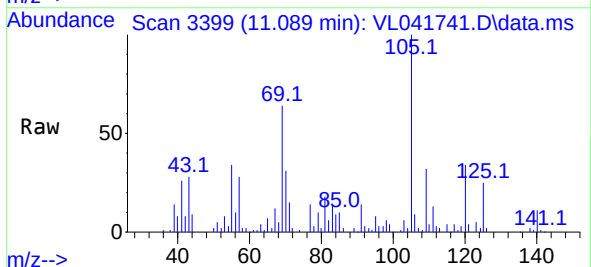
Instrument :
MSVOA_L
ClientSampleId :

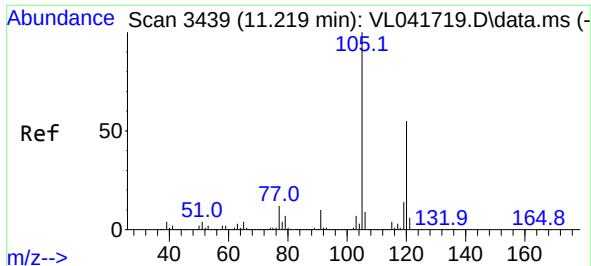
Tgt Ion: 91 Resp: 6068
Ion Ratio Lower Upper
91 100
126 30.9 15.9 63.7



#72
4-Ethyltoluene
Concen: 0.117 ppbv
RT: 11.089 min Scan# 3399
Delta R.T. -0.049 min
Lab File: VL041741.D
Acq: 12 Dec 2024 09:30

Tgt Ion: 105 Resp: 15910
Ion Ratio Lower Upper
105 100
120 46.8 28.0 42.0#
91 23.6 8.8 13.2#
77 15.6 8.5 12.7#

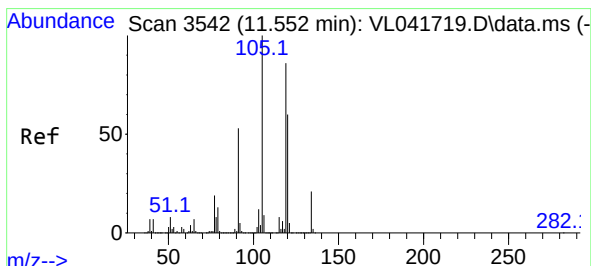
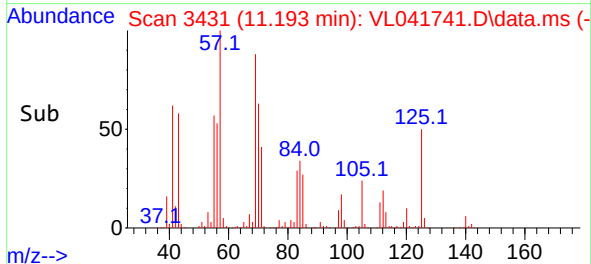
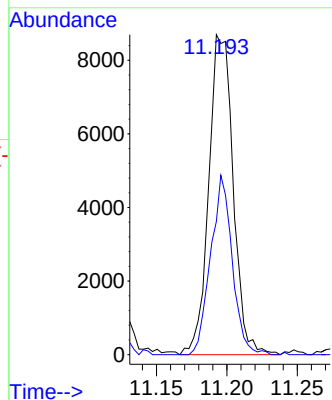
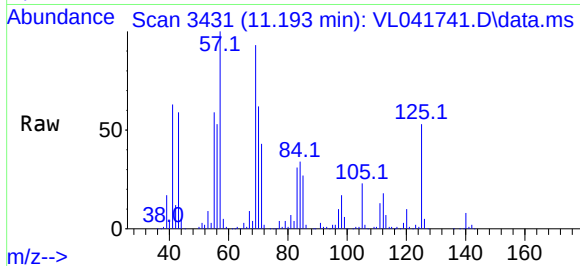




#73
1,3,5-Trimethylbenzene
Concen: 0.095 ppbv
RT: 11.193 min Scan# 34
Delta R.T. -0.026 min
Lab File: VL041741.D
Acq: 12 Dec 2024 09:30

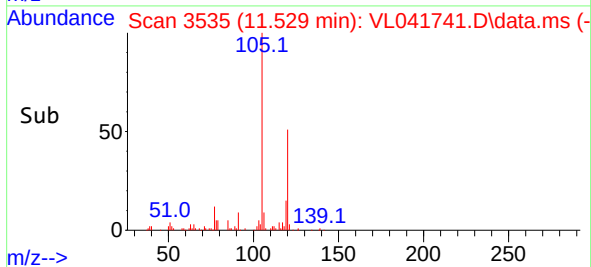
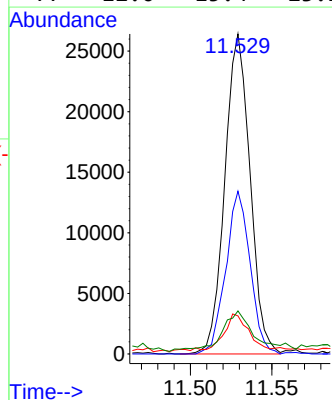
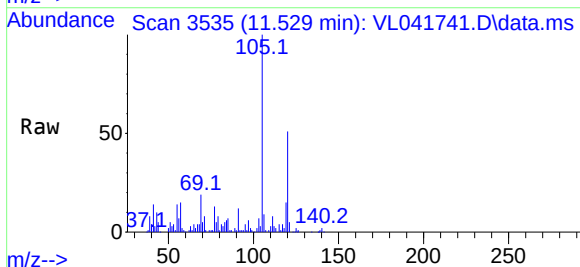
Instrument :
MSVOA_L
ClientSampleId :

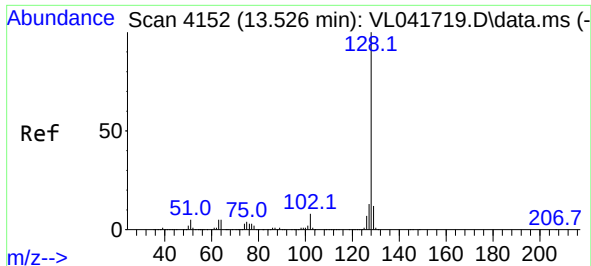
Tgt Ion:105 Resp: 10499
Ion Ratio Lower Upper
105 100
120 41.6 43.6 65.4#



#74
1,2,4-Trimethylbenzene
Concen: 0.237 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. -0.023 min
Lab File: VL041741.D
Acq: 12 Dec 2024 09:30

Tgt Ion:105 Resp: 28374
Ion Ratio Lower Upper
105 100
120 50.9 47.8 71.6
91 10.5 42.5 63.7#
77 12.0 15.4 23.2#

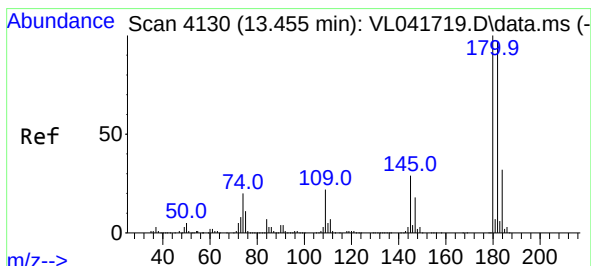
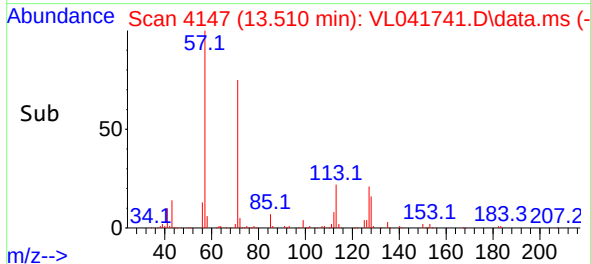
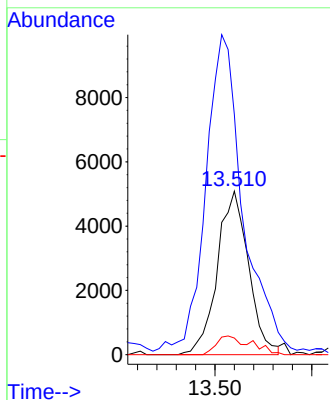
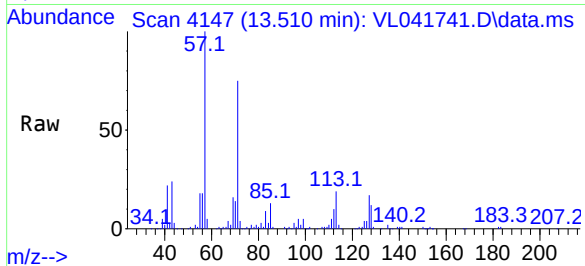




#79
Naphthalene
Concen: 0.056 ppbv
RT: 13.510 min Scan# 4152
Delta R.T. -0.016 min
Lab File: VL041741.D
Acq: 12 Dec 2024 09:30

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:128 Resp: 5707
Ion Ratio Lower Upper
128 100
127 138.8 10.2 15.2#
129 10.1 9.4 14.0



#81
1,2,4-Trichlorobenzene
Concen: 0.038 ppbv
RT: 13.436 min Scan# 4124
Delta R.T. -0.019 min
Lab File: VL041741.D
Acq: 12 Dec 2024 09:30

Tgt Ion:180 Resp: 2463
Ion Ratio Lower Upper
180 100
182 183.1 77.2 115.8#
184 30.8 25.2 37.8

