

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070825\
 Data File : VL042709.D
 Acq On : 08 Jul 2025 11:44
 Operator : SY/MD
 Sample : Q2518-02 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Quant Time: Jul 09 01:27:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL070225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 03 01:50:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	120496	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	286803	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	277031	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	216919	10.180	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	784	0.062	ppbv #	82
3) Chlorodifluoromethane	1.476	51	10351	0.549	ppbv	99
4) Chloromethane	1.534	50	386	0.078	ppbv #	66
7) Chloroethane	1.470	64	59	0.031	ppbv #	44
8) Dichlorotetrafluoroethane	1.499	85	784	0.075	ppbv #	17
9) Propene	1.486	41	15911	2.254	ppbv	89
10) Heptane	4.988	43	5846	0.305	ppbv #	30
11) Trichlorofluoromethane	1.881	101	549	0.041	ppbv	88
13) Ethanol	1.725	45	6214	9.124	ppbv #	37
15) Acetone	1.839	43	91175	7.629	ppbv #	86
16) 1,3-Butadiene	1.602	39	12553	2.279	ppbv #	28
17) tert-Butyl alcohol	2.046	59	904	0.078	ppbv #	81
19) Isopropyl Alcohol	1.725	45	6214	0.905	ppbv #	1
20) Methylene Chloride	2.065	84	1029	0.225	ppbv #	86
21) Allyl Chloride	2.049	41	547	0.066	ppbv #	19
23) Vinyl Acetate	2.512	43	5355	0.277	ppbv #	1
24) 1,1-Dichloroethane	2.415	63	414	0.039	ppbv #	87
25) Ethyl Acetate	2.832	43	37173	1.028	ppbv #	77
26) Hexane	2.832	57	49601	3.289	ppbv #	38
27) Carbon Disulfide	2.153	76	5427	0.441	ppbv #	1
28) Methyl tert-Butyl Ether	2.509	73	233	0.038	ppbv #	1
29) Chloroform	2.855	83	2161	0.095	ppbv	99
30) Cyclohexane	3.858	84	480	0.042	ppbv #	1
34) 2-Butanone	2.560	43	322221	14.195	ppbv	99
36) Benzene	3.664	78	10434	0.361	ppbv #	90
38) Trichloroethene	4.554	130	7145	0.572	ppbv #	74
39) 1,2-Dichloropropane	3.965	63	75502	6.697	ppbv #	21
41) Tetrahydrofuran	2.832	42	22111	1.911	ppbv #	52
51) 2-Hexanone	7.448	43	28173	1.457	ppbv #	72
52) Tetrachloroethene	8.231	164	102532	10.612	ppbv	95
53) Toluene	6.943	91	15039	0.557	ppbv	99
58) Ethyl Benzene	9.357	91	4121	0.103	ppbv	94
59) m/p-Xylene	9.532	91	10553	0.314	ppbv #	76
60) o-Xylene	9.969	91	7489	0.227	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.959	83	994	0.039	ppbv #	1
64) n-propylbenzene	10.989	120	509	0.040	ppbv #	1
65) tert-Butylbenzene	11.536	119	1975	0.046	ppbv #	63
69) p-Isopropyltoluene	11.927	119	1607	0.031	ppbv #	69
70) n-Butylbenzene	12.286	91	1892	0.036	ppbv #	63
71) 2-Chlorotoluene	10.995	91	3119	0.085	ppbv	81
72) 4-Ethyltoluene	11.128	105	2882	0.072	ppbv #	44
73) 1,3,5-Trimethylbenzene	11.209	105	3384	0.100	ppbv	91
74) 1,2,4-Trimethylbenzene	11.539	105	9436	0.244	ppbv #	61

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Data File : VL042709.D
Acq On : 08 Jul 2025 11:44
Operator : SY/MD
Sample : Q2518-02 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

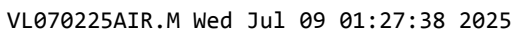
Instrument :
MSVOA_L
ClientSampleId :
SV2

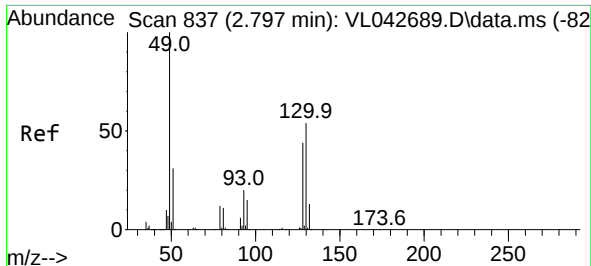
Quant Time: Jul 09 01:27:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL070225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Thu Jul 03 01:50:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Naphthalene	13.510	128	1513	0.047	ppbv #	1
80) Naphthalene,2-methyl-	14.468	142	1193	0.089	ppbv #	81
81) 1,2,4-Trichlorobenzene	13.445	180	853	0.045	ppbv #	1

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

Quant Time: Jul 09 01:27:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL070225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 03 01:50:16 2025
Response via : Initial Calibration

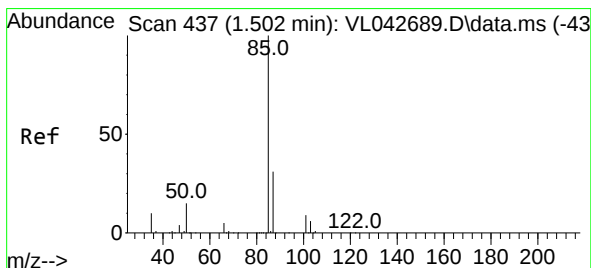
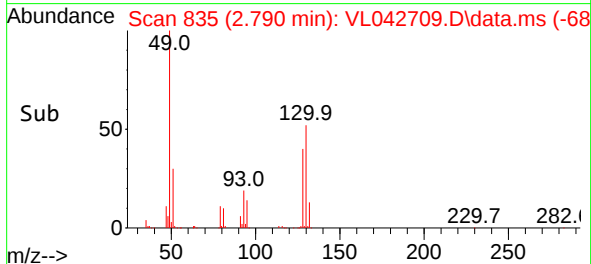
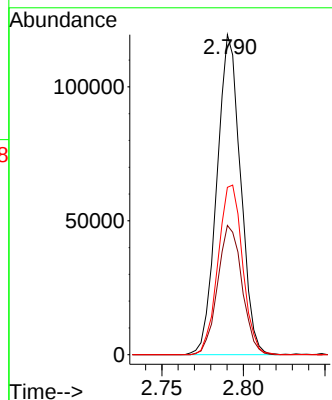
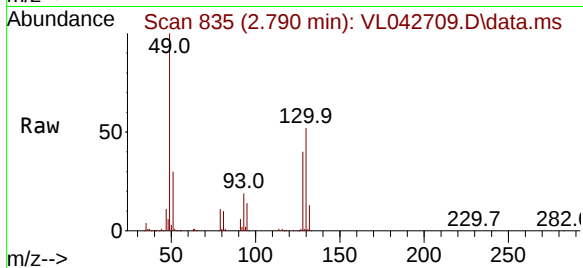




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. -0.007 min
Lab File: VL042709.D
Acq: 08 Jul 2025 11:44

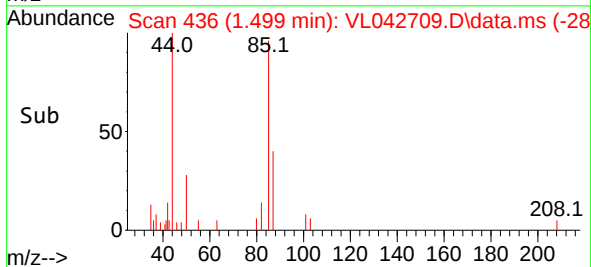
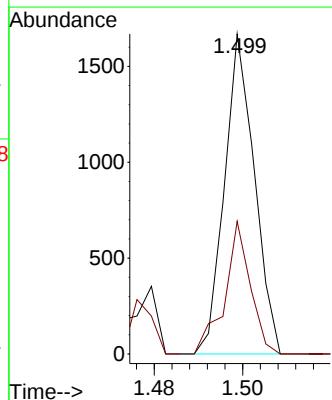
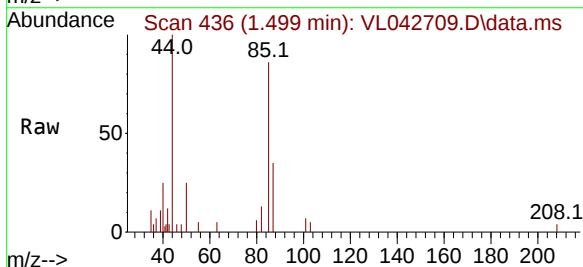
Instrument :
MSVOA_L
ClientSampleId :
SV2

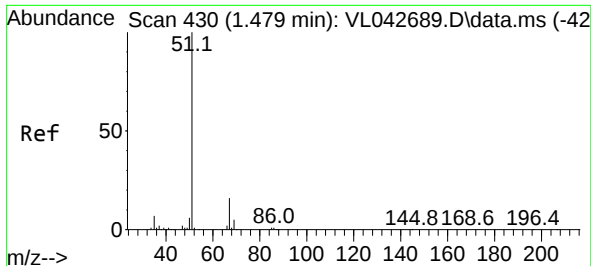
Tgt Ion: 49 Resp: 120496
Ion Ratio Lower Upper
49 100
128 41.6 21.4 64.2
130 55.0 28.0 84.0



#2
Dichlorodifluoromethane
Concen: 0.062 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.003 min
Lab File: VL042709.D
Acq: 08 Jul 2025 11:44

Tgt Ion: 85 Resp: 784
Ion Ratio Lower Upper
85 100
87 41.5 25.1 37.7#

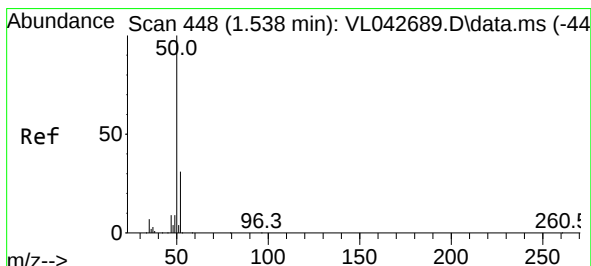
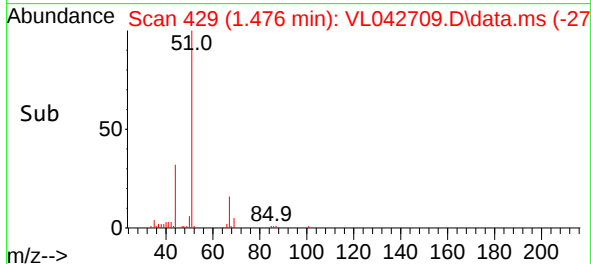
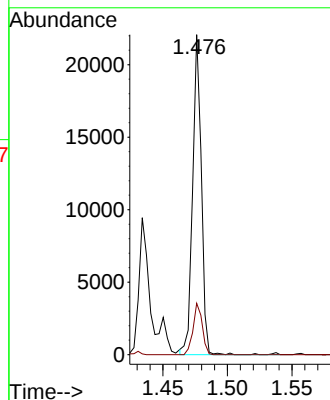
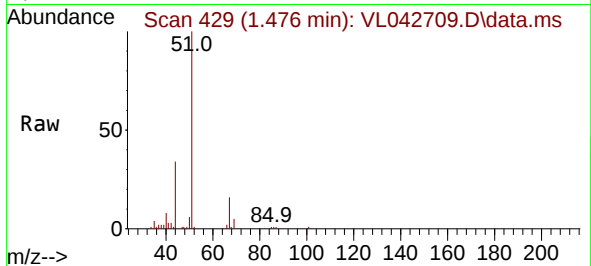




#3
Chlorodifluoromethane
Concen: 0.549 ppbv
RT: 1.476 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042709.D
Acq: 08 Jul 2025 11:44

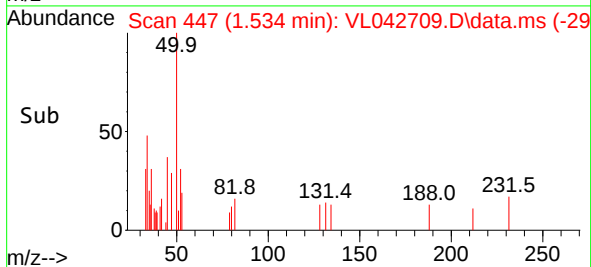
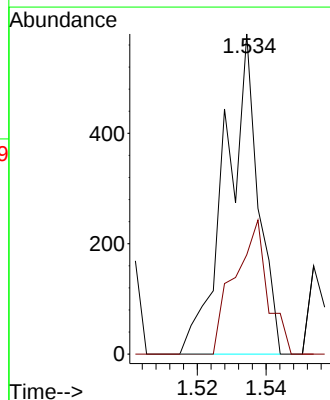
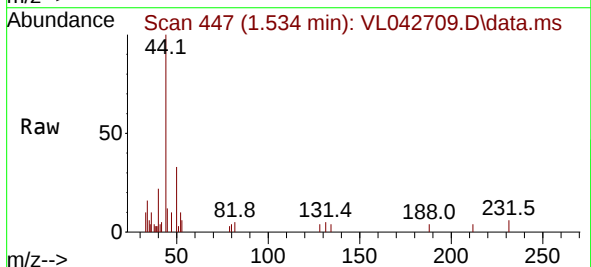
Instrument :
MSVOA_L
ClientSampleId :
SV2

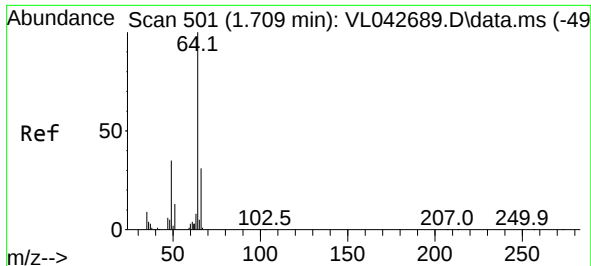
Tgt Ion: 51 Resp: 10351
Ion Ratio Lower Upper
51 100
67 16.9 13.1 19.7



#4
Chloromethane
Concen: 0.078 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.003 min
Lab File: VL042709.D
Acq: 08 Jul 2025 11:44

Tgt Ion: 50 Resp: 386
Ion Ratio Lower Upper
50 100
52 49.8 24.8 37.2#

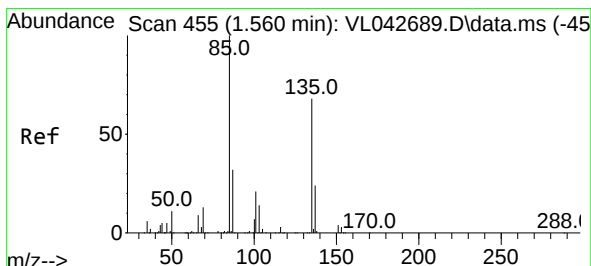
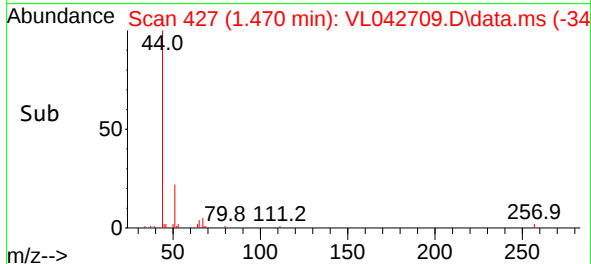
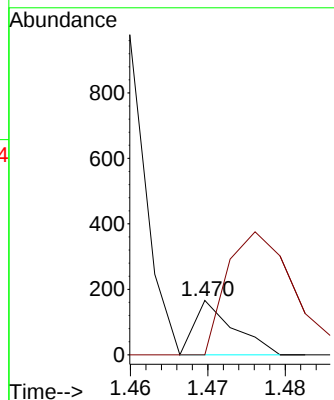
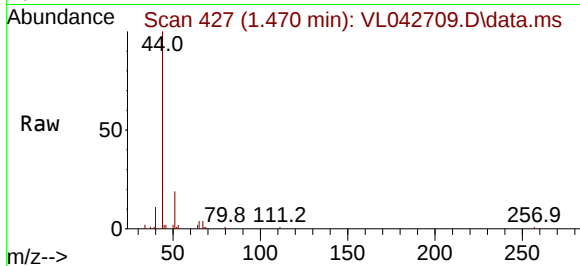




#7
Chloroethane
Concen: 0.031 ppbv
RT: 1.470 min Scan# 41
Delta R.T. -0.240 min
Lab File: VL042709.D
Acq: 08 Jul 2025 11:44

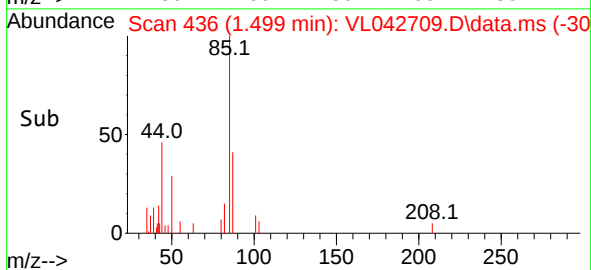
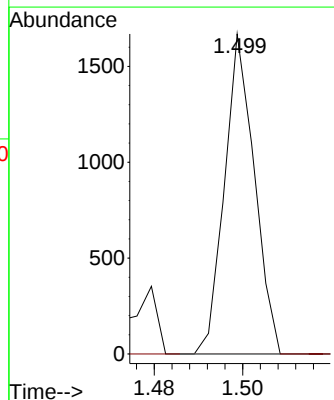
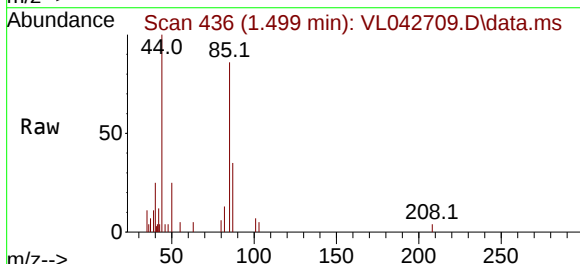
Instrument :
MSVOA_L
ClientSampleId :
SV2

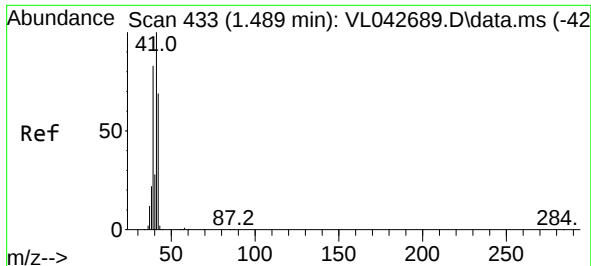
Tgt Ion: 64 Resp: 59
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#8
Dichlorotetrafluoroethane
Concen: 0.075 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.062 min
Lab File: VL042709.D
Acq: 08 Jul 2025 11:44

Tgt Ion: 85 Resp: 784
Ion Ratio Lower Upper
85 100
135 0.0 52.6 79.0#





#9

Propene

Concen: 2.254 ppbv

RT: 1.486 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL042709.D

Acq: 08 Jul 2025 11:44

Instrument :

MSVOA_L

ClientSampleId :

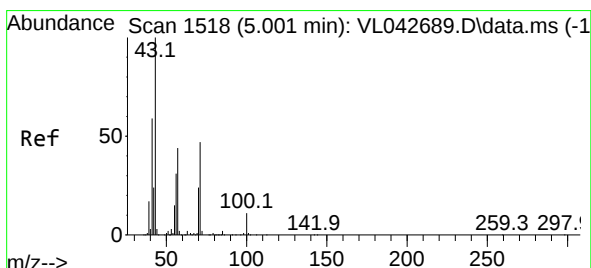
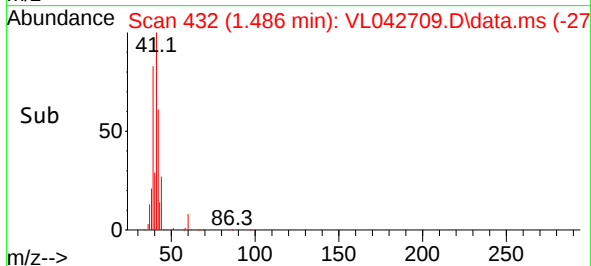
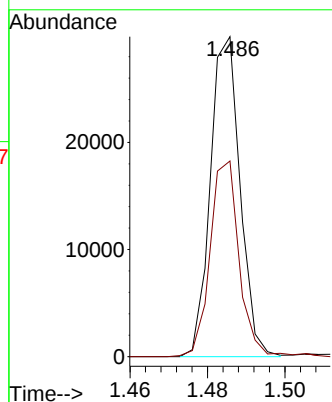
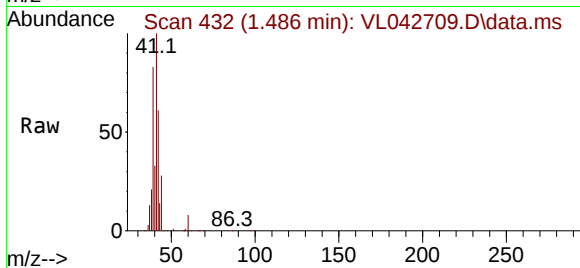
SV2

Tgt Ion: 41 Resp: 15911

Ion Ratio Lower Upper

41 100

42 60.3 55.6 83.4



#10

Heptane

Concen: 0.305 ppbv

RT: 4.988 min Scan# 1514

Delta R.T. -0.013 min

Lab File: VL042709.D

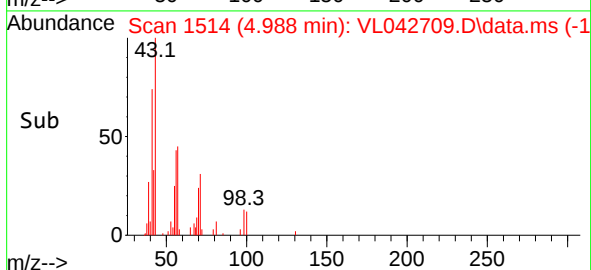
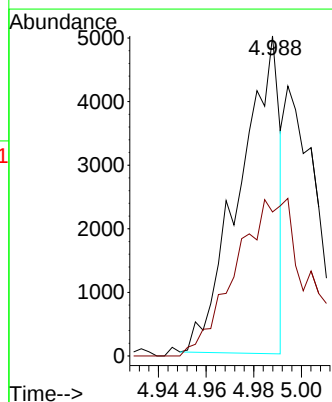
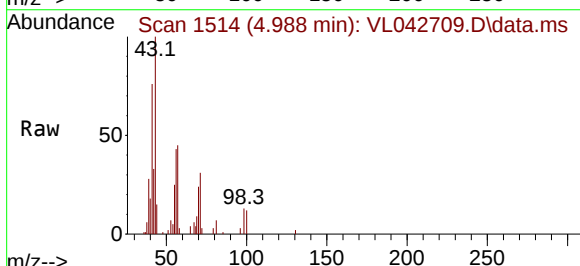
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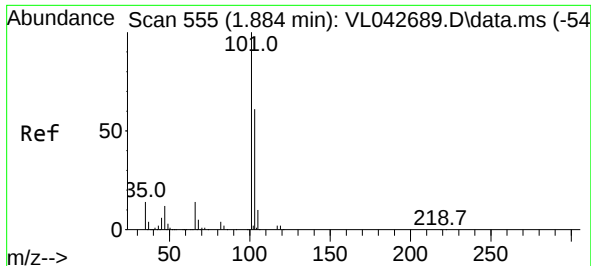
Tgt Ion: 43 Resp: 5846

Ion Ratio Lower Upper

43 100

57 0.0 37.4 56.0#

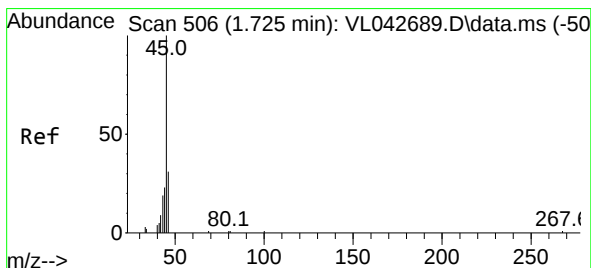
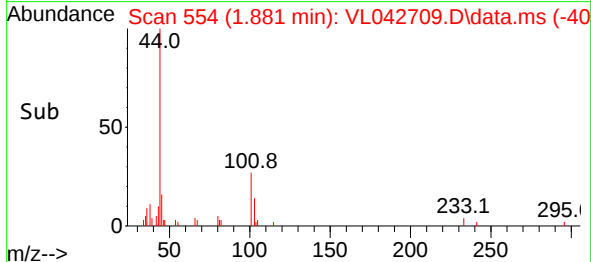
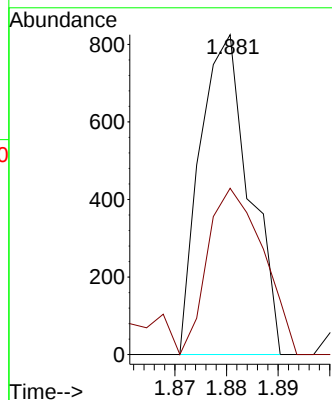
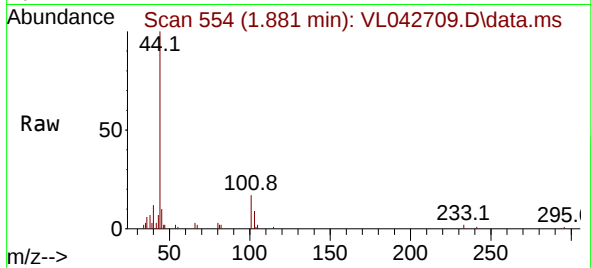




#11
Trichlorofluoromethane
Concen: 0.041 ppbv
RT: 1.881 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042709.D
Acq: 08 Jul 2025 11:44

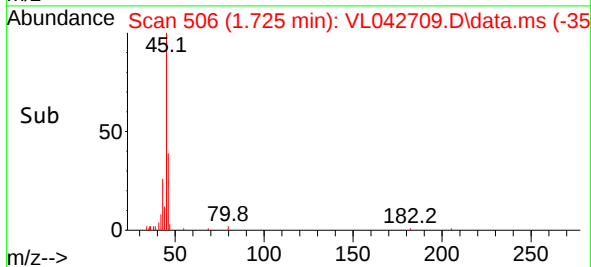
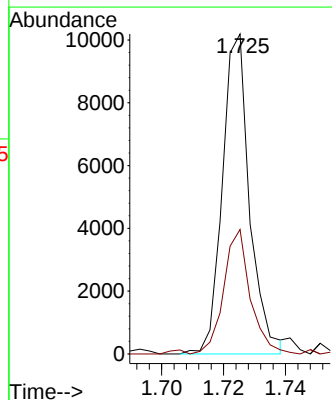
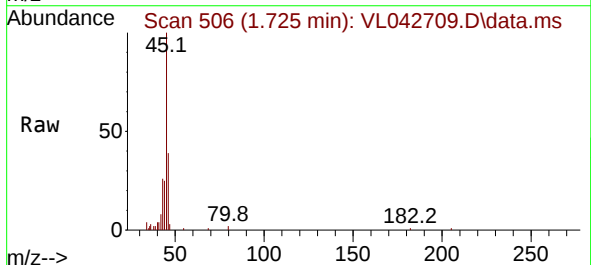
Instrument :
MSVOA_L
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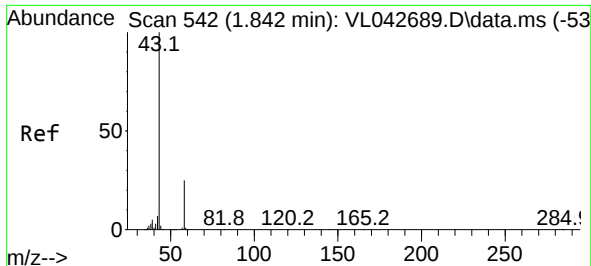
Tgt Ion:101 Resp: 549
Ion Ratio Lower Upper
101 100
103 52.0 48.9 73.3



#13
Ethanol
Concen: 9.124 ppbv
RT: 1.725 min Scan# 506
Delta R.T. -0.000 min
Lab File: VL042709.D
Acq: 08 Jul 2025 11:44

Tgt Ion: 45 Resp: 6214
Ion Ratio Lower Upper
45 100
46 0.0 15.2 60.8#

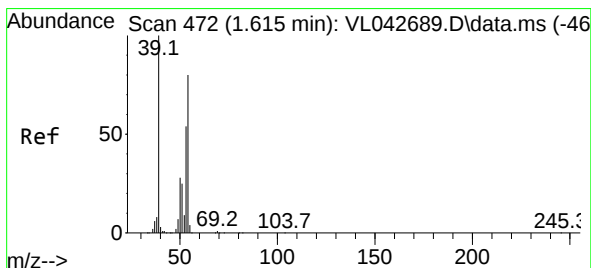
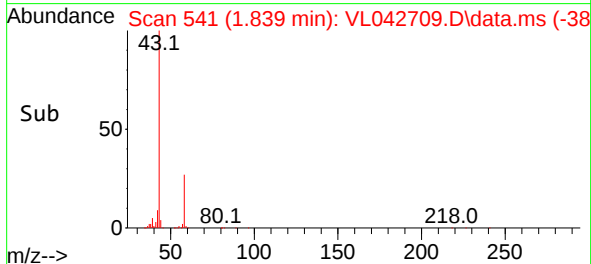
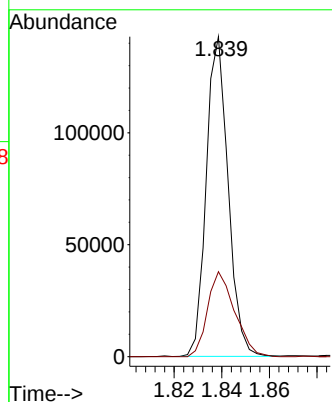
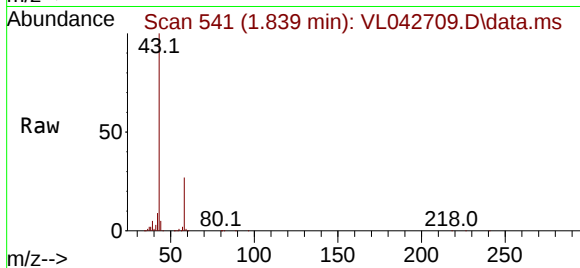




#15
Acetone
Concen: 7.629 ppbv
RT: 1.839 min Scan# 541
Delta R.T. -0.003 min
Lab File: VL042709.D
Acq: 08 Jul 2025 11:44

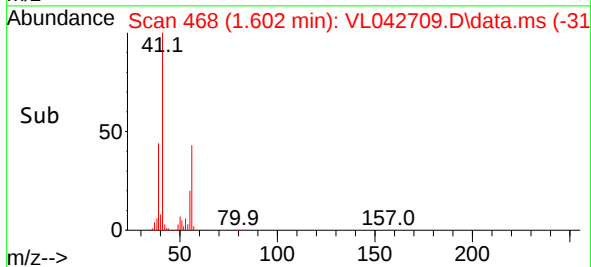
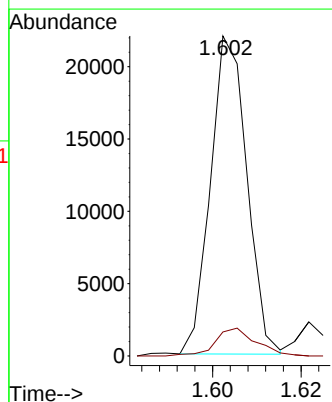
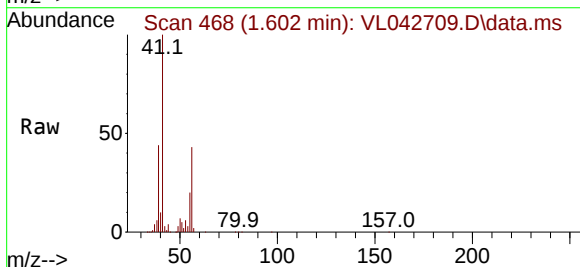
Instrument :
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ClientSampleId :
SV2

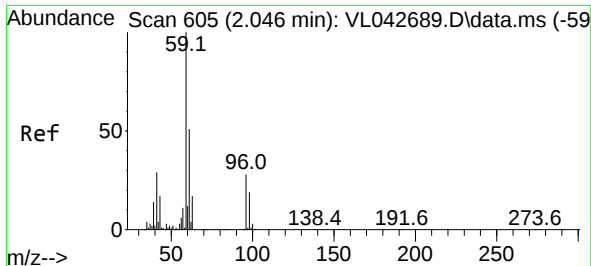
Tgt Ion: 43 Resp: 91175
Ion Ratio Lower Upper
43 100
58 33.1 20.6 31.0#



#16
1,3-Butadiene
Concen: 2.279 ppbv
RT: 1.602 min Scan# 468
Delta R.T. -0.013 min
Lab File: VL042709.D
Acq: 08 Jul 2025 11:44

Tgt Ion: 39 Resp: 12553
Ion Ratio Lower Upper
39 100
54 9.8 54.9 82.3#

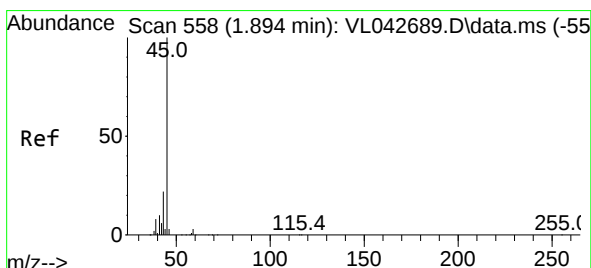
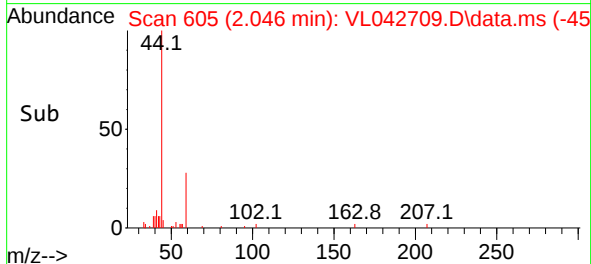
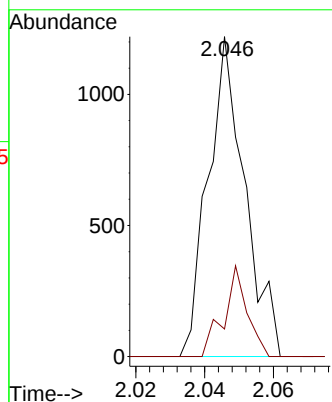
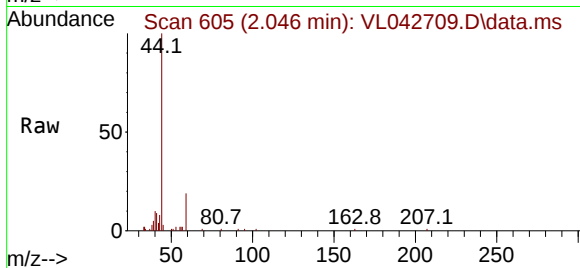




#17
tert-Butyl alcohol
Concen: 0.078 ppbv
RT: 2.046 min Scan# 605
Delta R.T. -0.000 min
Lab File: VL042709.D
Acq: 08 Jul 2025 11:44

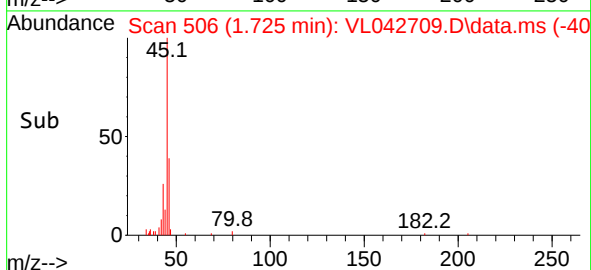
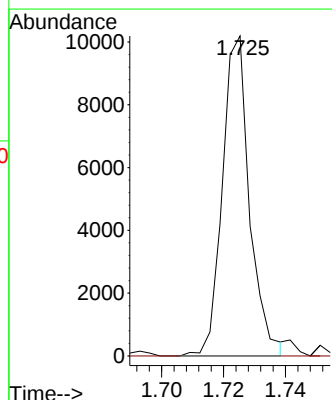
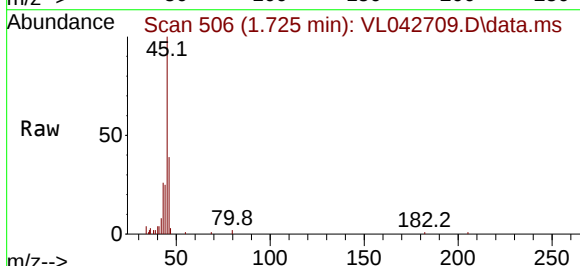
Instrument :
MSVOA_L
ClientSampleId :
SV2

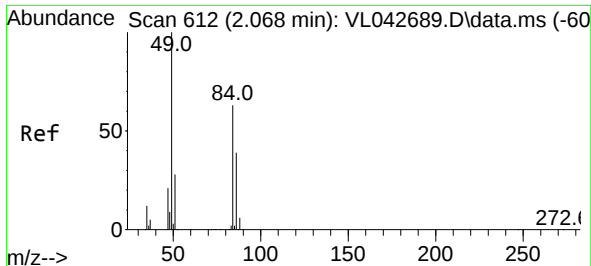
Tgt Ion: 59 Resp: 904
Ion Ratio Lower Upper
59 100
57 18.0 8.8 13.2#



#19
Isopropyl Alcohol
Concen: 0.905 ppbv
RT: 1.725 min Scan# 506
Delta R.T. -0.168 min
Lab File: VL042709.D
Acq: 08 Jul 2025 11:44

Tgt Ion: 45 Resp: 6214
Ion Ratio Lower Upper
45 100
58 485.7 1.4 2.2#

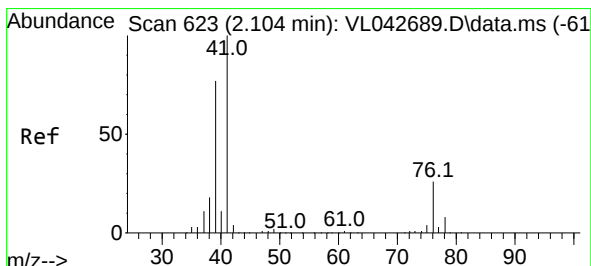
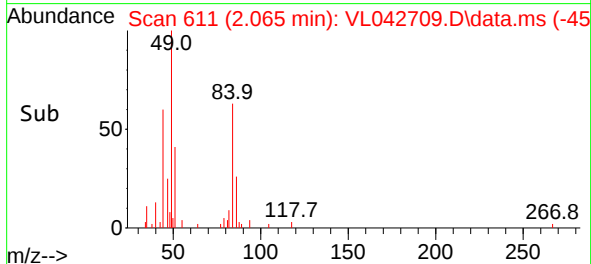
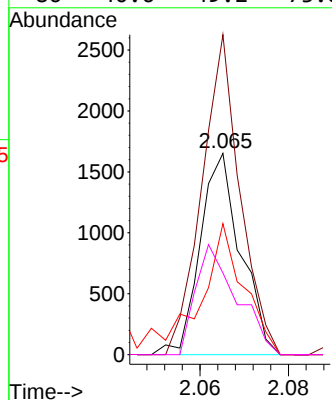
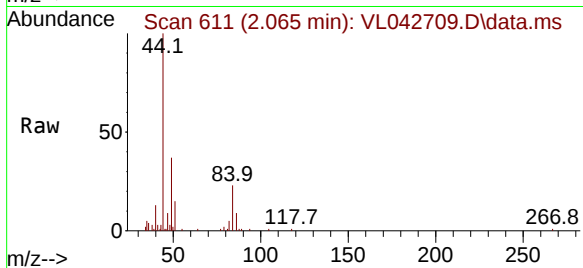




#20
Methylene Chloride
Concen: 0.225 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.003 min
Lab File: VL042709.D
Acq: 08 Jul 2025 11:44

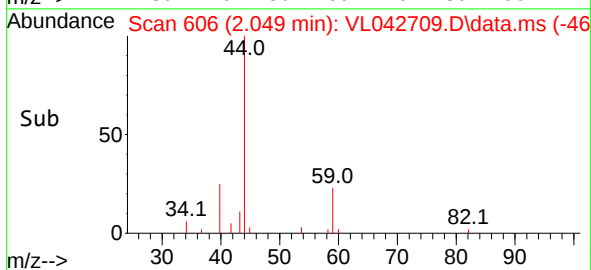
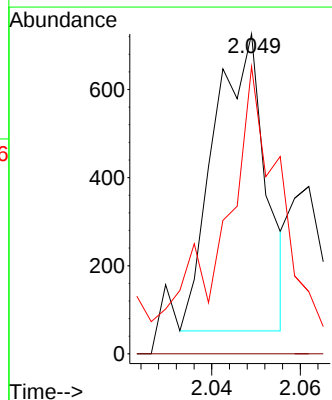
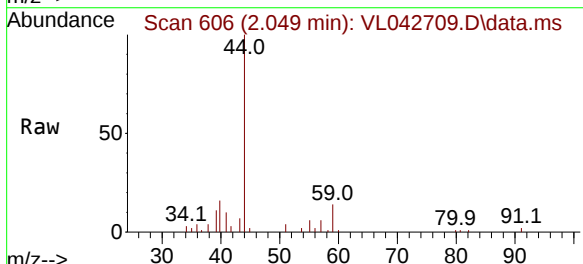
Instrument :
MSVOA_L
ClientSampleId :
SV2

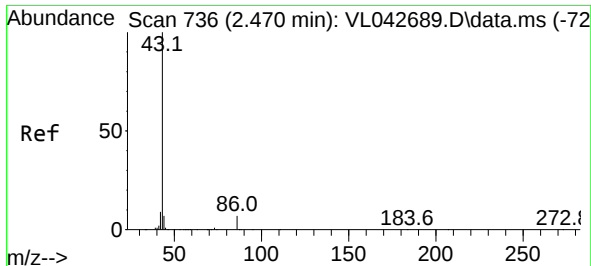
Tgt Ion:	84	Resp:	1029
Ion	Ratio	Lower	Upper
84	100		
49	167.6	128.6	193.0
51	65.1	37.4	56.2#
86	40.6	49.2	73.8#



#21
Allyl Chloride
Concen: 0.066 ppbv
RT: 2.049 min Scan# 606
Delta R.T. -0.055 min
Lab File: VL042709.D
Acq: 08 Jul 2025 11:44

Tgt Ion:	41	Resp:	547
Ion	Ratio	Lower	Upper
41	100		
76	0.0	21.7	32.5#
39	0.0	63.4	95.2#

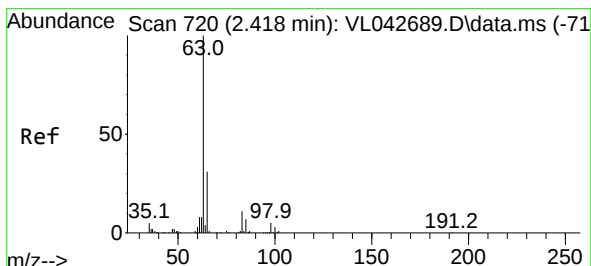
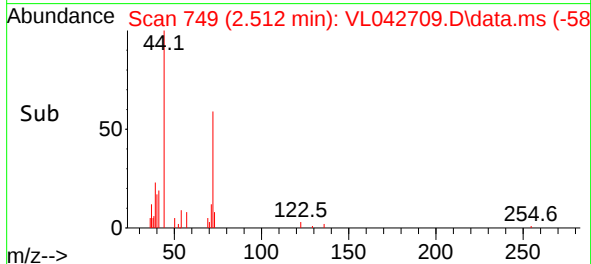
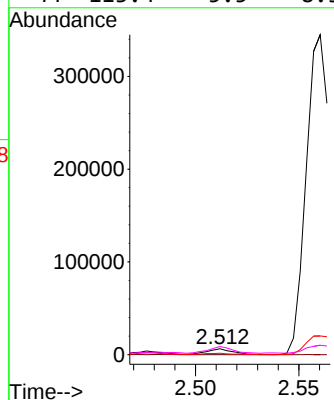
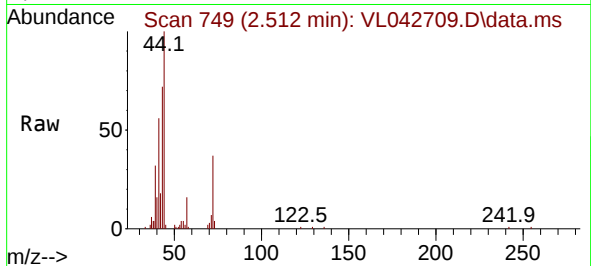




#23
 Vinyl Acetate
 Concen: 0.277 ppbv
 RT: 2.512 min Scan# 749
 Delta R.T. 0.042 min
 Lab File: VL042709.D
 Acq: 08 Jul 2025 11:44

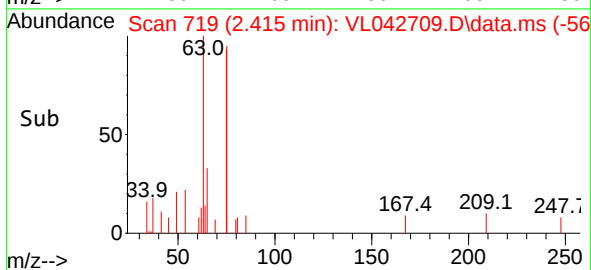
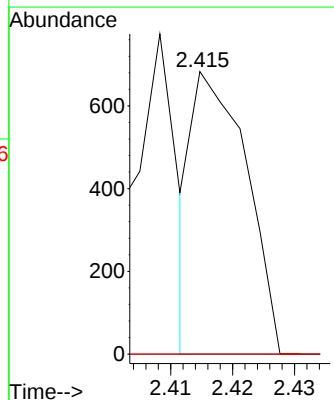
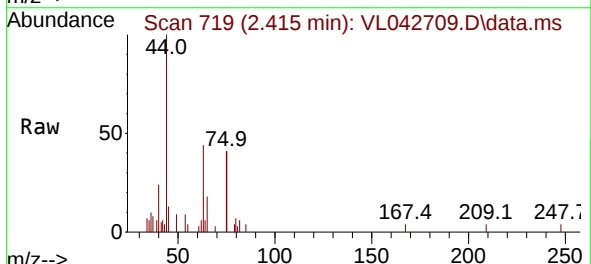
Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

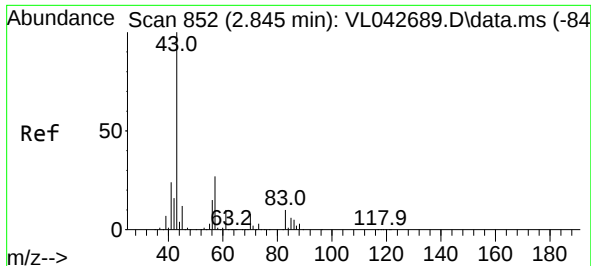
Tgt Ion:	43	Resp:	5355
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.8	8.6#
42	22.6	7.2	10.8#
44	113.4	5.5	8.3#



#24
 1,1-Dichloroethane
 Concen: 0.039 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. -0.003 min
 Lab File: VL042709.D
 Acq: 08 Jul 2025 11:44

Tgt Ion:	63	Resp:	414
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.5	7.6#
100	0.0	1.7	5.0#

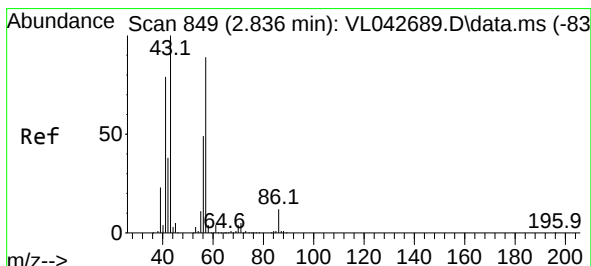
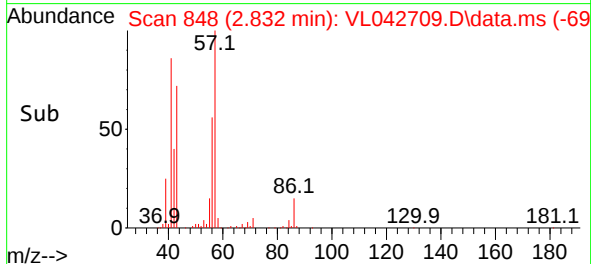
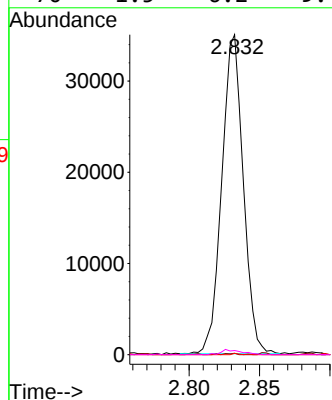
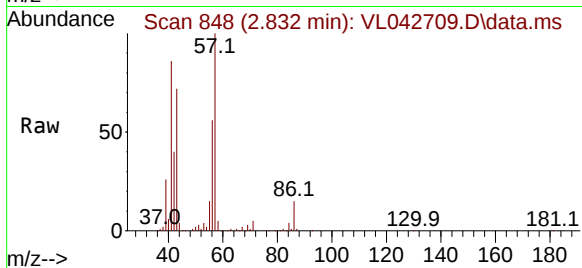




#25
Ethyl Acetate
Concen: 1.028 ppbv
RT: 2.832 min Scan# 848
Delta R.T. -0.013 min
Lab File: VL042709.D
Acq: 08 Jul 2025 11:44

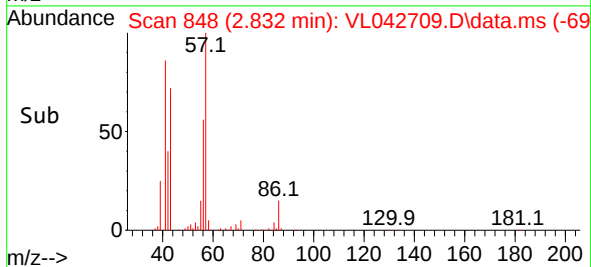
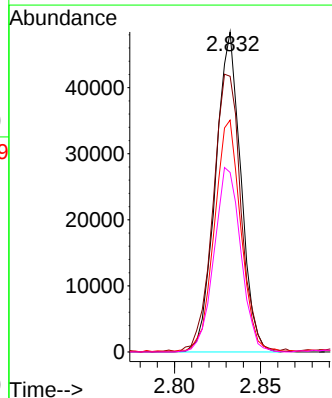
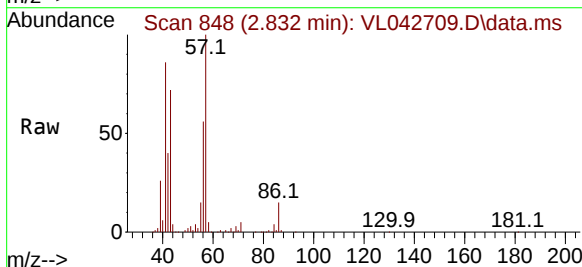
Instrument :
MSVOA_L
ClientSampleId :
SV2

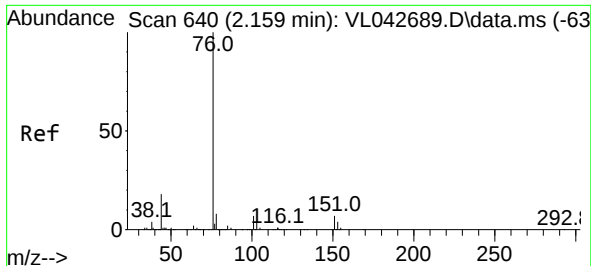
Tgt Ion: 43	Resp: 37173
Ion Ratio	Lower Upper
43 100	
45 0.4	8.1 12.1#
61 0.1	7.0 10.6#
70 1.5	6.2 9.4#



#26
Hexane
Concen: 3.289 ppbv
RT: 2.832 min Scan# 848
Delta R.T. -0.003 min
Lab File: VL042709.D
Acq: 08 Jul 2025 11:44

Tgt Ion: 57	Resp: 49601
Ion Ratio	Lower Upper
57 100	
41 97.9	73.7 110.5
43 75.3	190.6 285.8#
56 60.9	44.8 67.2





#27

Carbon Disulfide

Concen: 0.441 ppbv

RT: 2.153 min Scan# 61

Delta R.T. -0.007 min

Lab File: VL042709.D

Acq: 08 Jul 2025 11:44

Instrument :

MSVOA_L

ClientSampleId :

SV2

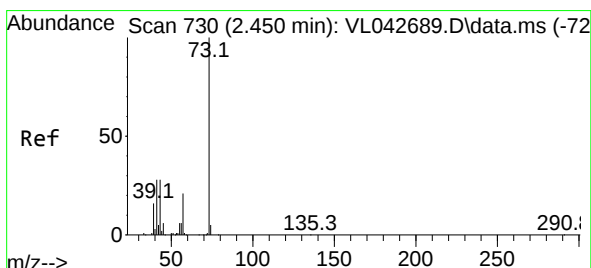
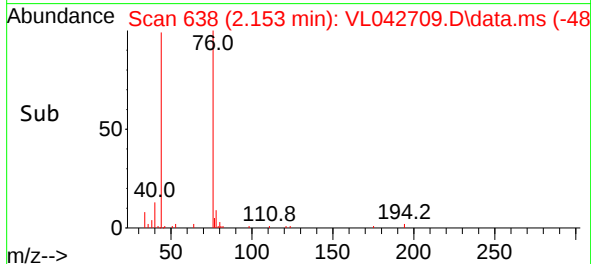
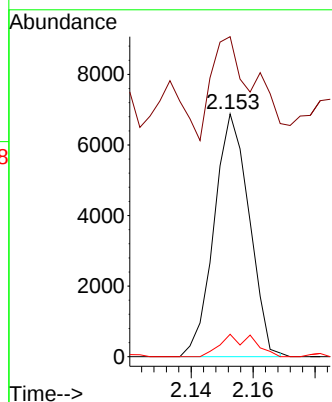
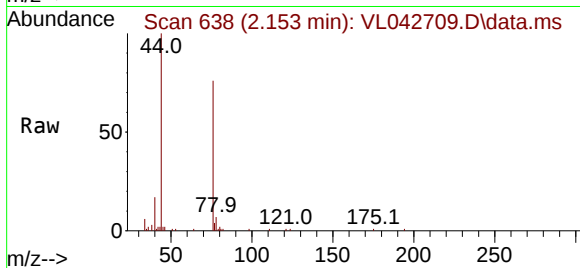
Tgt Ion: 76 Resp: 5427

Ion Ratio Lower Upper

76 100

44 344.4 15.6 23.4#

78 9.8 9.2 13.8



#28

Methyl tert-Butyl Ether

Concen: 0.038 ppbv

RT: 2.509 min Scan# 748

Delta R.T. 0.058 min

Lab File: VL042709.D

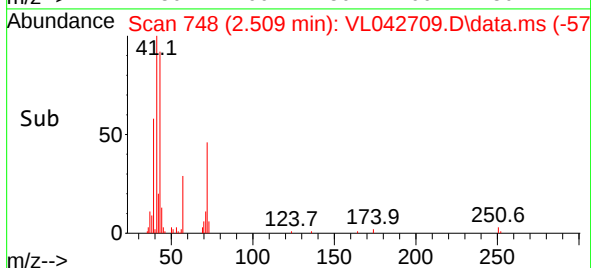
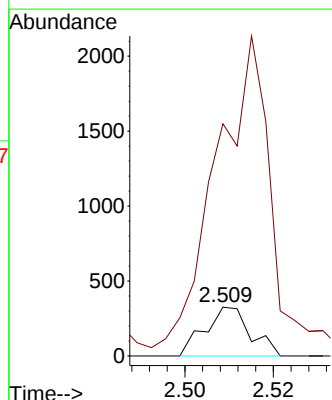
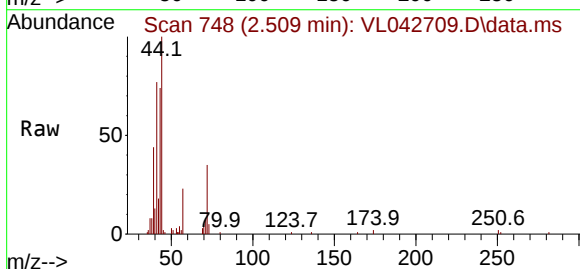
Acq: 08 Jul 2025 11:44

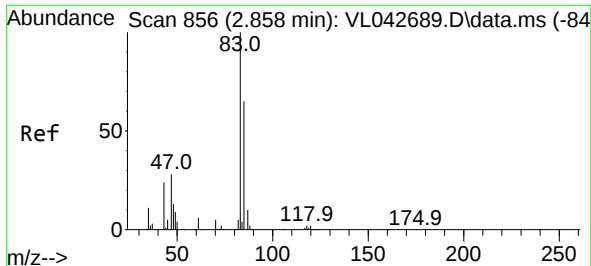
Tgt Ion: 73 Resp: 233

Ion Ratio Lower Upper

73 100

57 807.3 19.3 28.9#





#29

Chloroform

Concen: 0.095 ppbv

RT: 2.855 min Scan# 8

Delta R.T. -0.003 min

Lab File: VL042709.D

Acq: 08 Jul 2025 11:44

Instrument :

MSVOA_L

ClientSampleId :

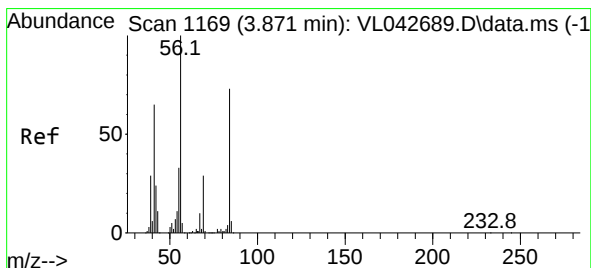
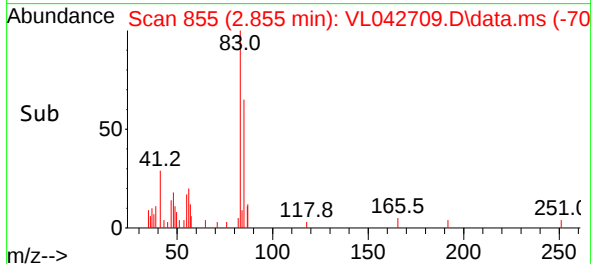
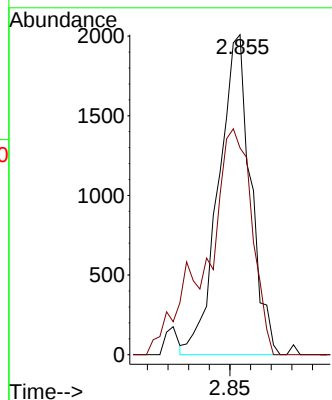
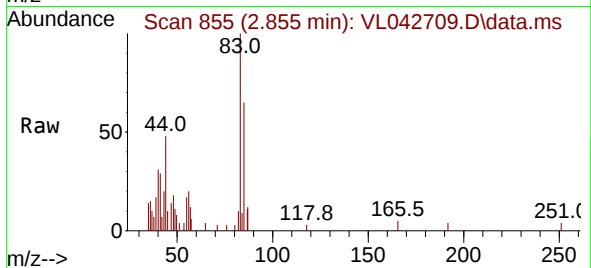
SV2

Tgt Ion: 83 Resp: 2161

Ion Ratio Lower Upper

83 100

85 64.6 52.4 78.6



#30

Cyclohexane

Concen: 0.042 ppbv

RT: 3.858 min Scan# 1165

Delta R.T. -0.013 min

Lab File: VL042709.D

Acq: 08 Jul 2025 11:44

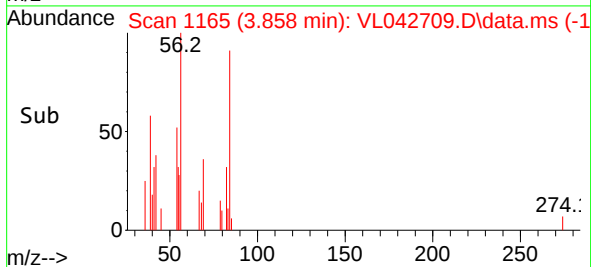
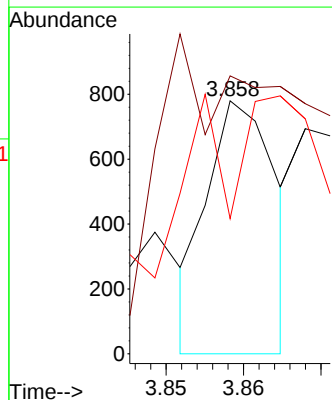
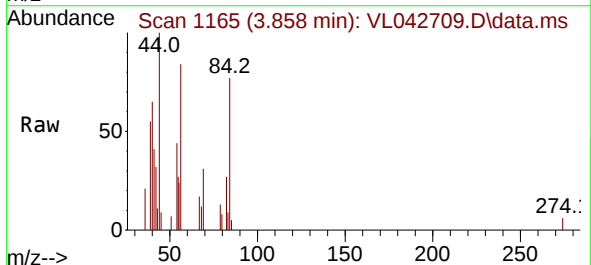
Tgt Ion: 84 Resp: 480

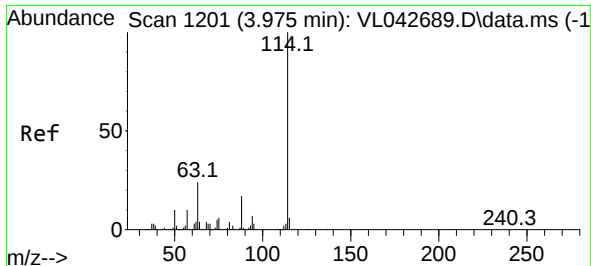
Ion Ratio Lower Upper

84 100

56 0.0 110.4 165.6#

41 331.3 71.4 107.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.965 min Scan# 1198

Delta R.T. -0.010 min

Lab File: VL042709.D

Acq: 08 Jul 2025 11:44

Instrument :

MSVOA_L

ClientSampleId :

SV2

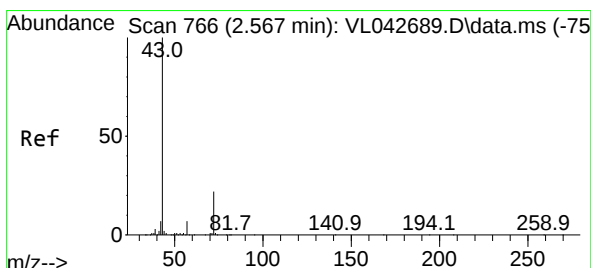
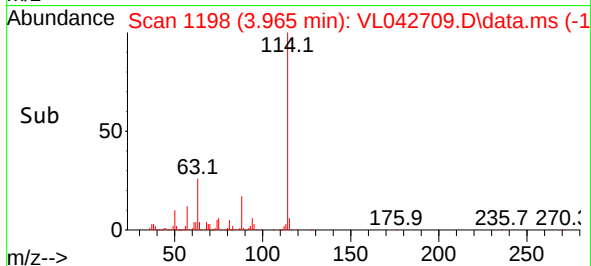
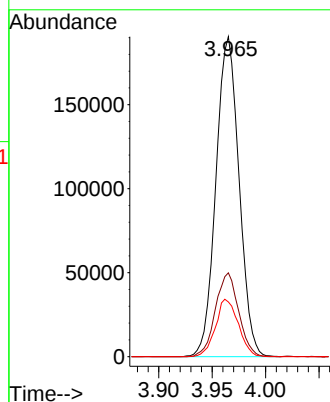
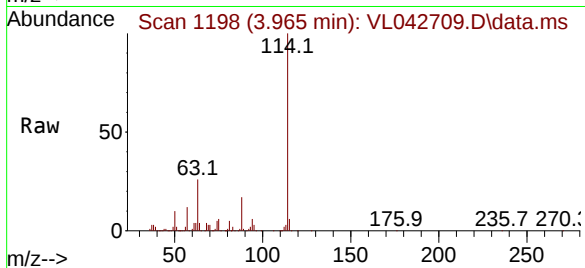
Tgt Ion:114 Resp: 286803

Ion Ratio Lower Upper

114 100

63 26.4 20.4 30.6

88 17.7 14.2 21.2



#34

2-Butanone

Concen: 14.195 ppbv

RT: 2.560 min Scan# 764

Delta R.T. -0.007 min

Lab File: VL042709.D

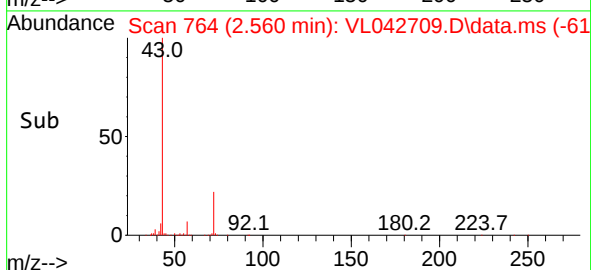
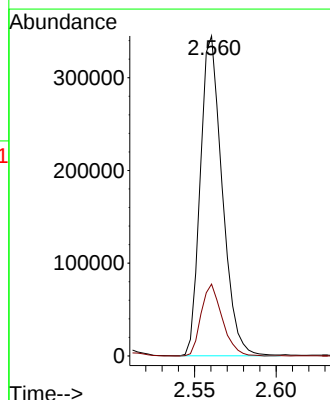
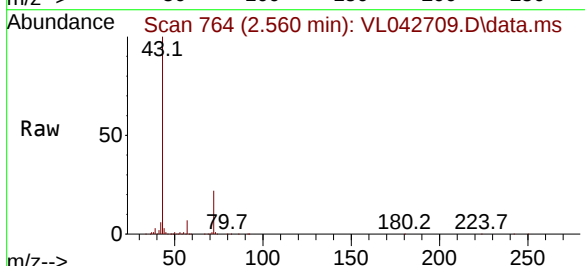
Acq: 08 Jul 2025 11:44

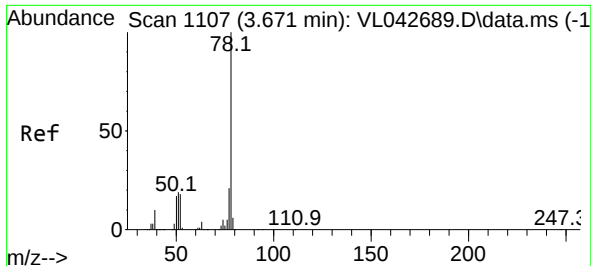
Tgt Ion: 43 Resp: 322221

Ion Ratio Lower Upper

43 100

72 21.7 17.1 25.7

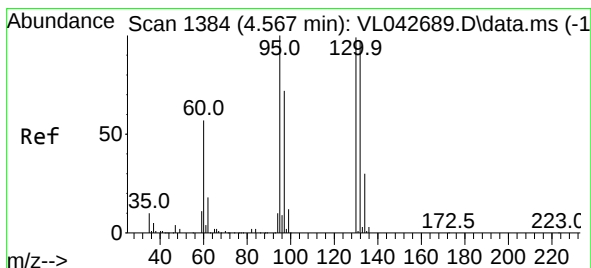
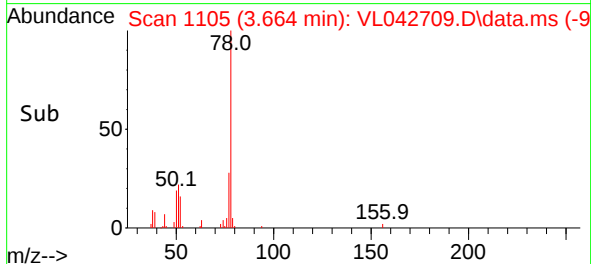
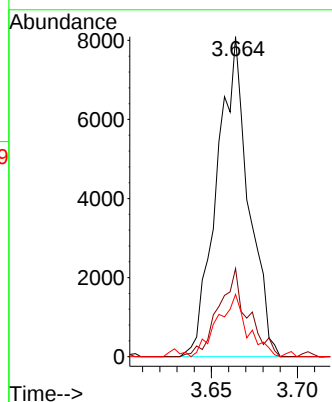
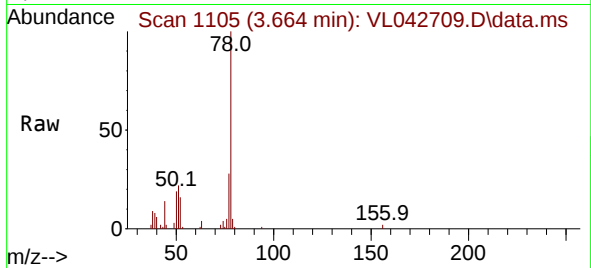




#36
Benzene
Concen: 0.361 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. -0.007 min
Lab File: VL042709.D
Acq: 08 Jul 2025 11:44

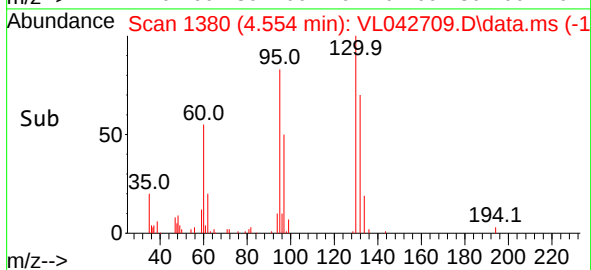
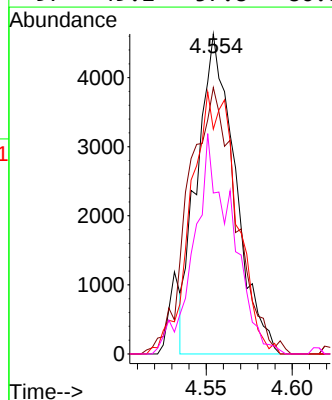
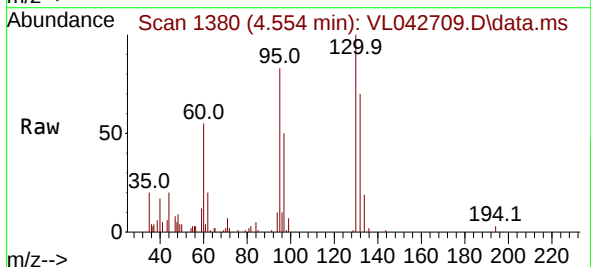
Instrument :
MSVOA_L
ClientSampleId :
SV2

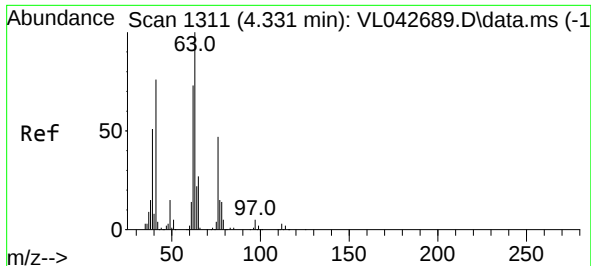
Tgt Ion: 78 Resp: 10434
Ion Ratio Lower Upper
78 100
77 27.5 17.0 25.4#
50 19.4 13.7 20.5



#38
Trichloroethene
Concen: 0.572 ppbv
RT: 4.554 min Scan# 1380
Delta R.T. -0.013 min
Lab File: VL042709.D
Acq: 08 Jul 2025 11:44

Tgt Ion: 130 Resp: 7145
Ion Ratio Lower Upper
130 100
95 79.1 81.1 121.7#
132 70.3 77.9 116.9#
97 49.2 57.8 86.8#





#39

1,2-Dichloropropane

Concen: 6.697 ppbv

RT: 3.965 min Scan# 11

Delta R.T. -0.366 min

Lab File: VL042709.D

Acq: 08 Jul 2025 11:44

Instrument :

MSVOA_L

ClientSampleId :

SV2

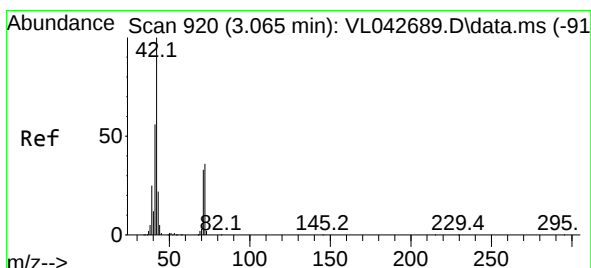
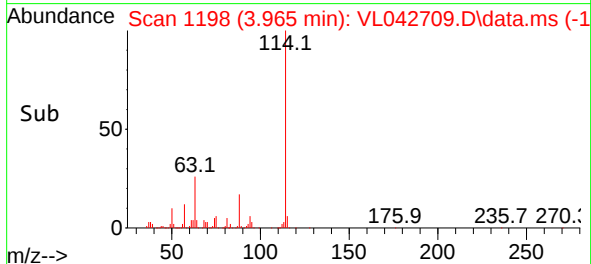
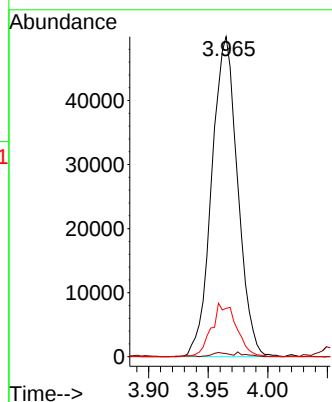
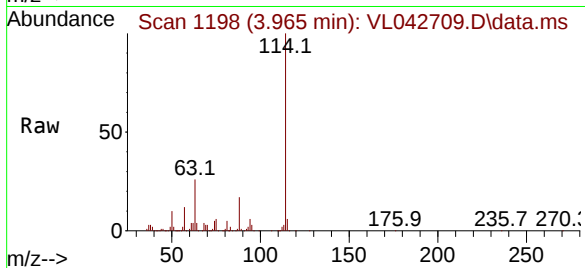
Tgt Ion: 63 Resp: 75502

Ion Ratio Lower Upper

63 100

41 0.8 60.8 91.2#

62 15.1 58.6 87.8#



#41

Tetrahydrofuran

Concen: 1.911 ppbv

RT: 2.832 min Scan# 848

Delta R.T. -0.233 min

Lab File: VL042709.D

Acq: 08 Jul 2025 11:44

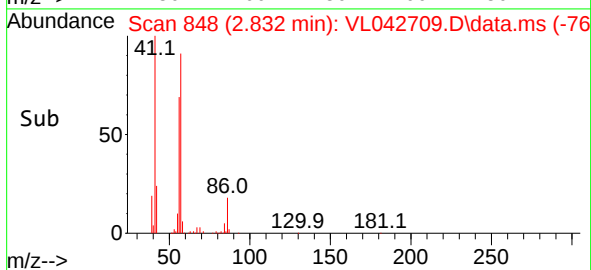
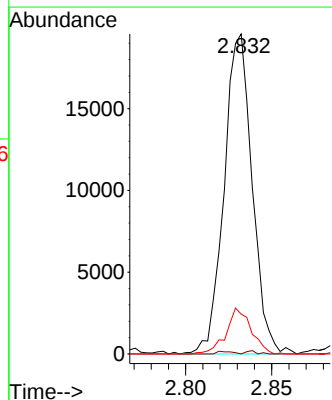
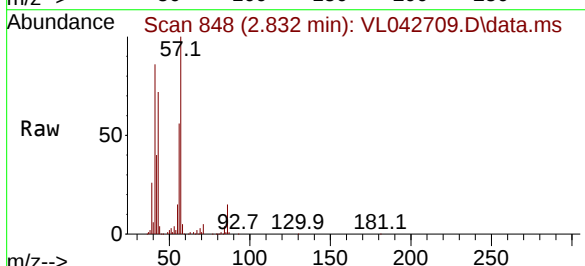
Tgt Ion: 42 Resp: 22111

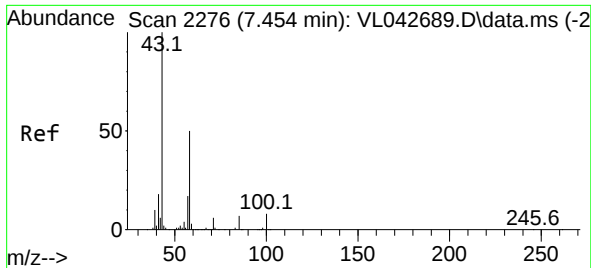
Ion Ratio Lower Upper

42 100

72 0.0 28.2 42.4#

71 12.9 25.4 38.0#

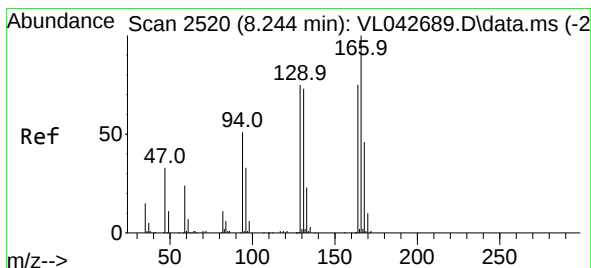
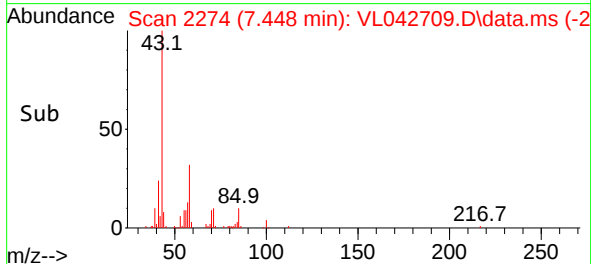
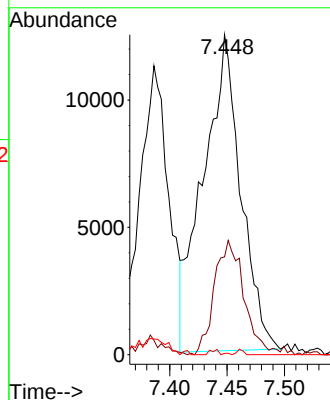
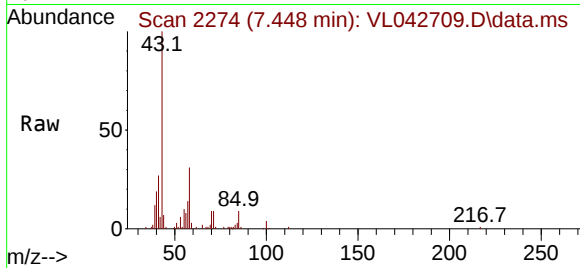




#51
2-Hexanone
Concen: 1.457 ppbv
RT: 7.448 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL042709.D
Acq: 08 Jul 2025 11:44

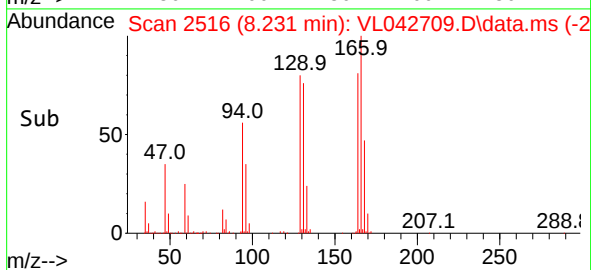
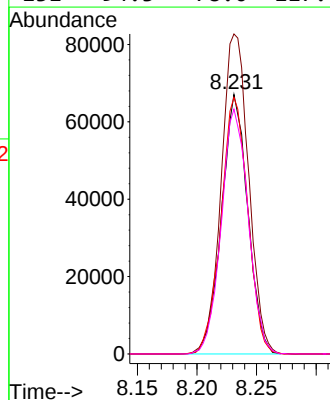
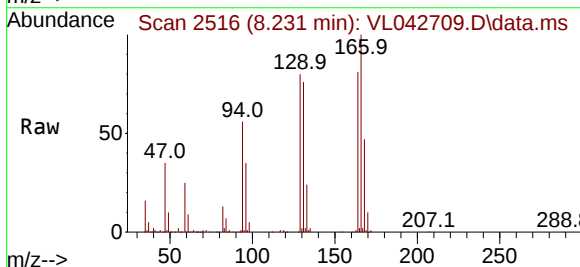
Instrument :
MSVOA_L
ClientSampleId :
SV2

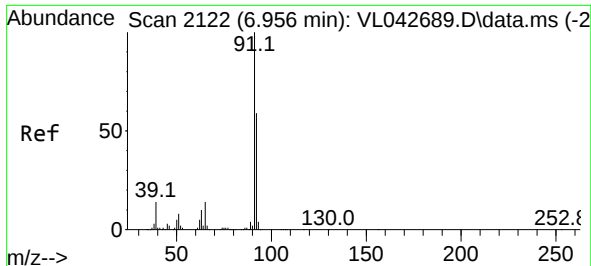
Tgt Ion: 43 Resp: 28173
Ion Ratio Lower Upper
43 100
58 29.2 38.6 57.8#
98 0.7 0.6 1.0



#52
Tetrachloroethene
Concen: 10.612 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. -0.013 min
Lab File: VL042709.D
Acq: 08 Jul 2025 11:44

Tgt Ion:164 Resp: 102532
Ion Ratio Lower Upper
164 100
166 123.3 106.6 160.0
129 98.8 79.8 119.6
131 94.3 78.0 117.0

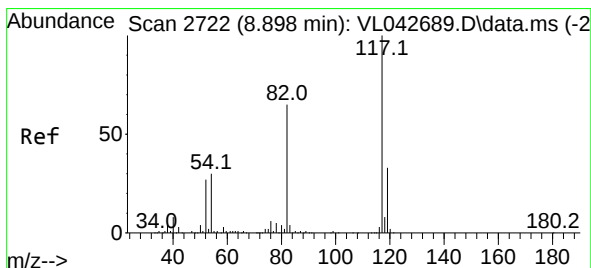
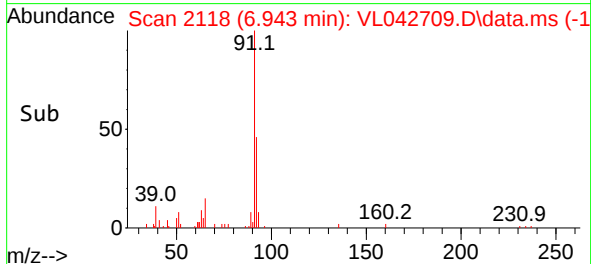
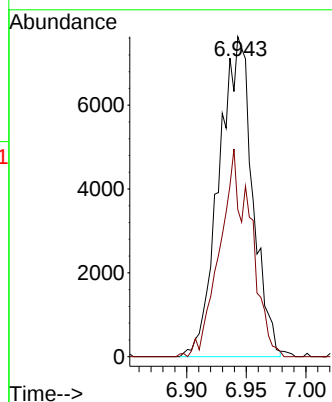
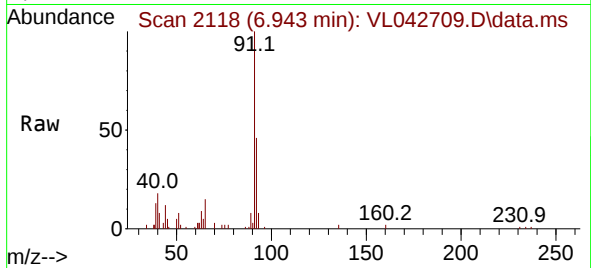




#53
Toluene
Concen: 0.557 ppbv
RT: 6.943 min Scan# 2118
Delta R.T. -0.013 min
Lab File: VL042709.D
Acq: 08 Jul 2025 11:44

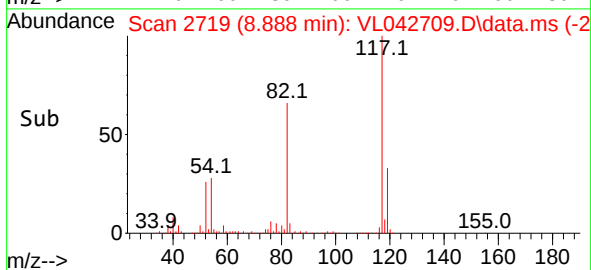
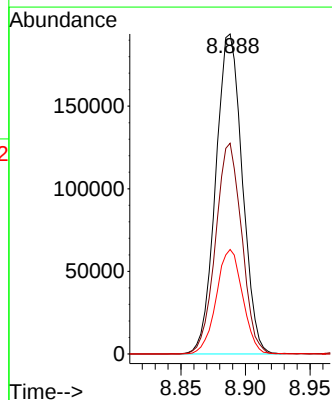
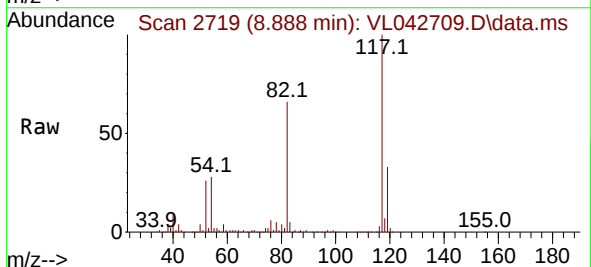
Instrument :
MSVOA_L
ClientSampleId :
SV2

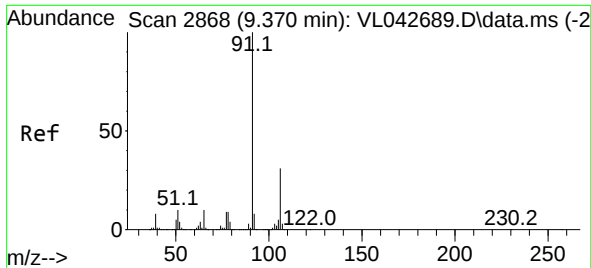
Tgt Ion: 91 Resp: 15039
Ion Ratio Lower Upper
91 100
92 59.9 47.4 71.2



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. -0.010 min
Lab File: VL042709.D
Acq: 08 Jul 2025 11:44

Tgt Ion: 117 Resp: 277031
Ion Ratio Lower Upper
117 100
82 65.0 53.4 80.2
119 32.4 26.6 39.8

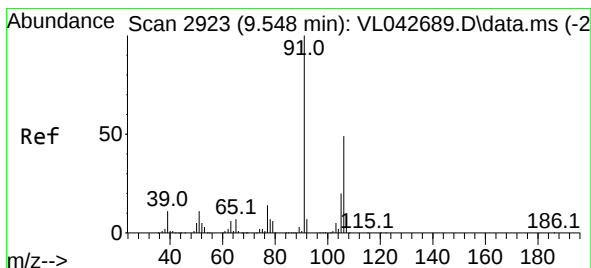
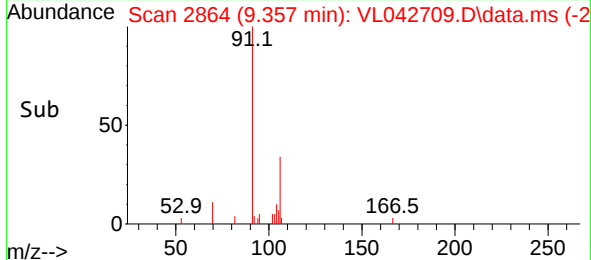
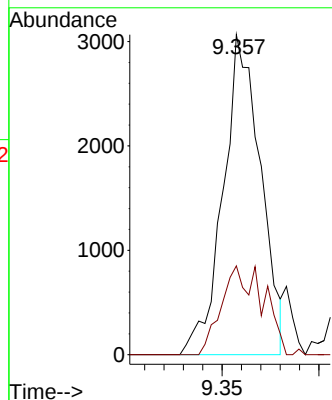
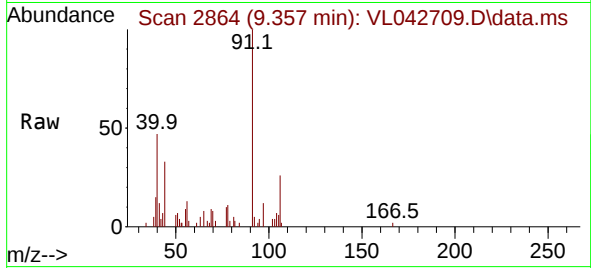




#58
Ethyl Benzene
Concen: 0.103 ppbv
RT: 9.357 min Scan# 21
Delta R.T. -0.013 min
Lab File: VL042709.D
Acq: 08 Jul 2025 11:44

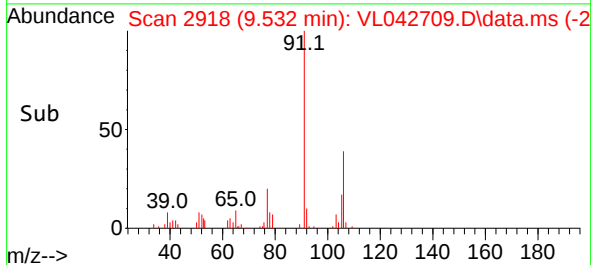
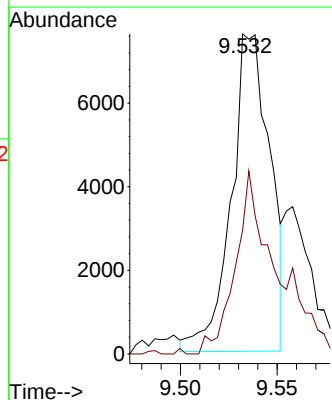
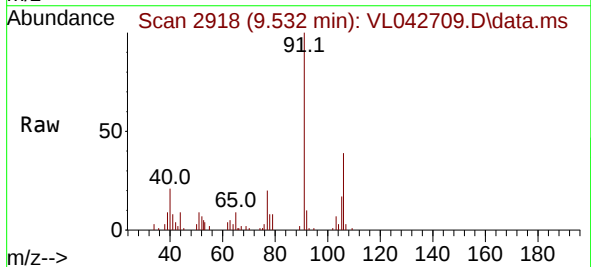
Instrument :
MSVOA_L
ClientSampleId :
SV2

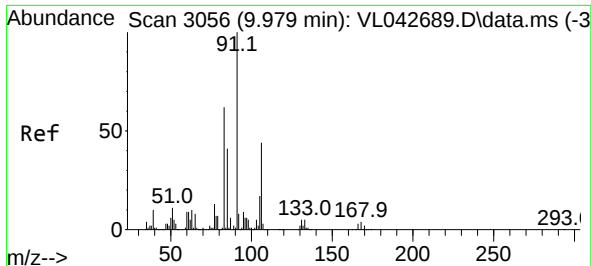
Tgt Ion: 91 Resp: 4121
Ion Ratio Lower Upper
91 100
106 27.8 24.9 37.3



#59
m/p-Xylene
Concen: 0.314 ppbv
RT: 9.532 min Scan# 2918
Delta R.T. -0.016 min
Lab File: VL042709.D
Acq: 08 Jul 2025 11:44

Tgt Ion: 91 Resp: 10553
Ion Ratio Lower Upper
91 100
106 63.1 37.6 56.4#

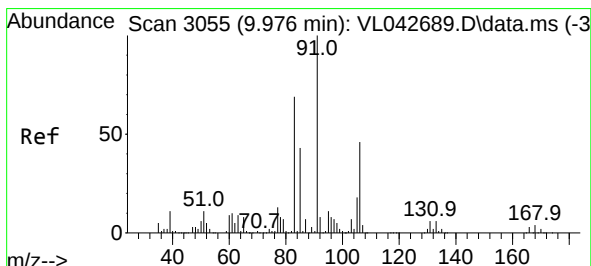
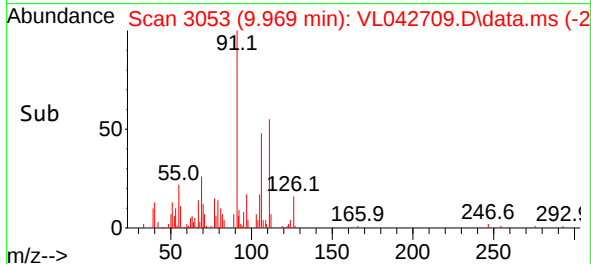
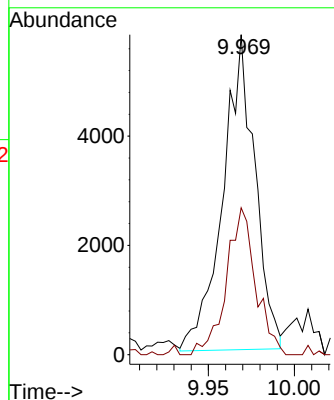
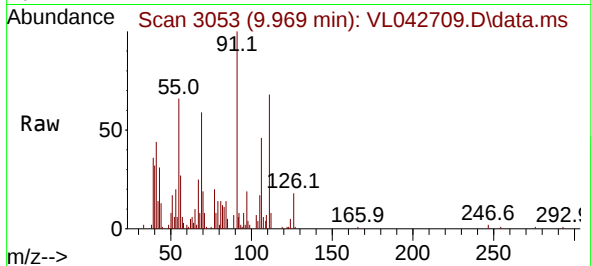




#60
o-Xylene
Concen: 0.227 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. -0.010 min
Lab File: VL042709.D
Acq: 08 Jul 2025 11:44

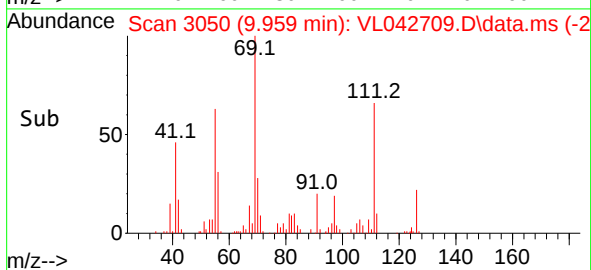
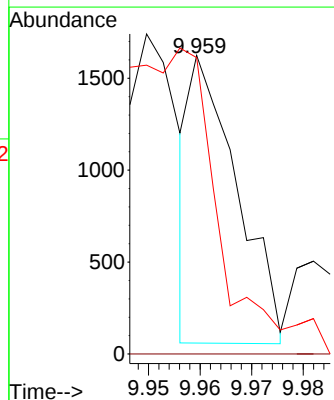
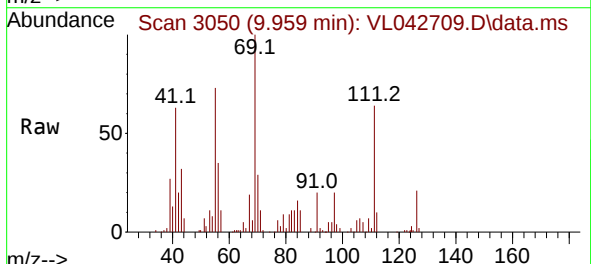
Instrument :
MSVOA_L
ClientSampleId :
SV2

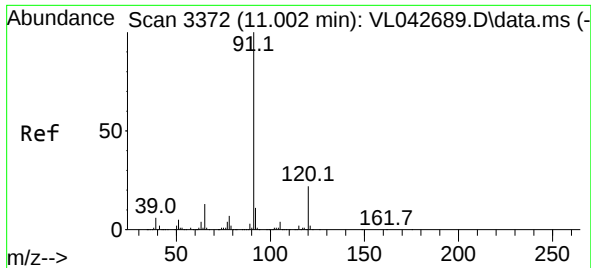
Tgt Ion: 91 Resp: 7489
Ion Ratio Lower Upper
91 100
106 43.5 22.8 68.4



#63
1,1,2,2-Tetrachloroethane
Concen: 0.039 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.016 min
Lab File: VL042709.D
Acq: 08 Jul 2025 11:44

Tgt Ion: 83 Resp: 994
Ion Ratio Lower Upper
83 100
131 0.0 4.5 13.4#
85 281.1 31.5 94.5#

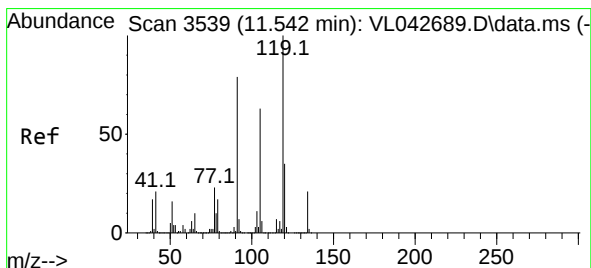
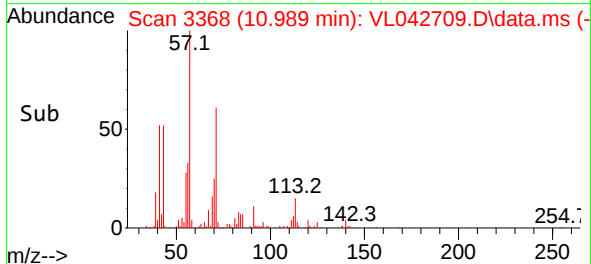
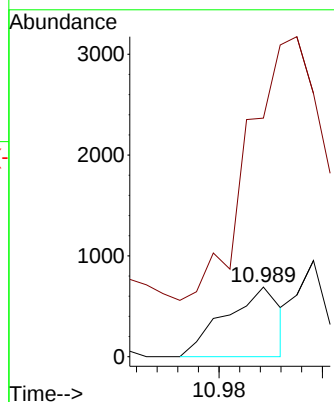
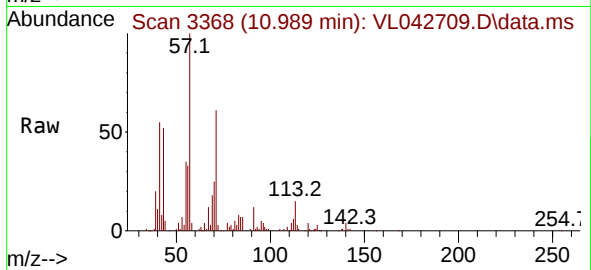




#64
n-propylbenzene
Concen: 0.040 ppbv
RT: 10.989 min Scan# 31
Delta R.T. -0.013 min
Lab File: VL042709.D
Acq: 08 Jul 2025 11:44

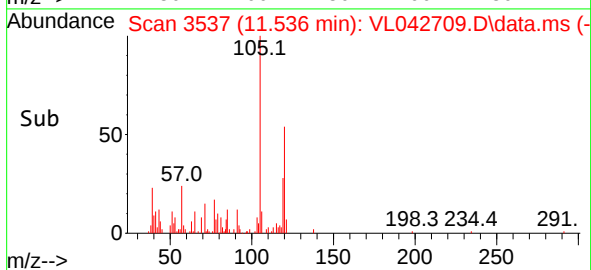
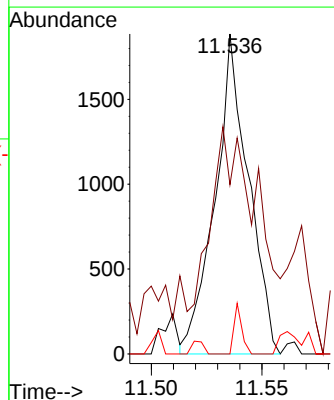
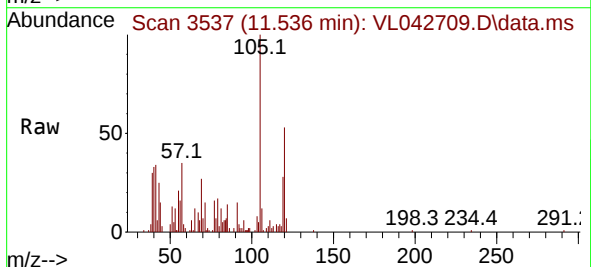
Instrument :
MSVOA_L
ClientSampleId :
SV2

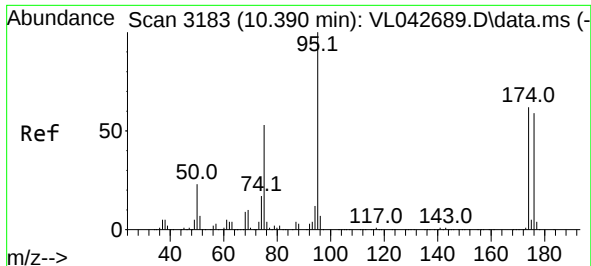
Tgt Ion:120 Resp: 509
Ion Ratio Lower Upper
120 100
91 0.0 377.8 566.8#



#65
tert-Butylbenzene
Concen: 0.046 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.007 min
Lab File: VL042709.D
Acq: 08 Jul 2025 11:44

Tgt Ion:119 Resp: 1975
Ion Ratio Lower Upper
119 100
91 108.8 62.6 93.8#
134 0.0 16.9 25.3#

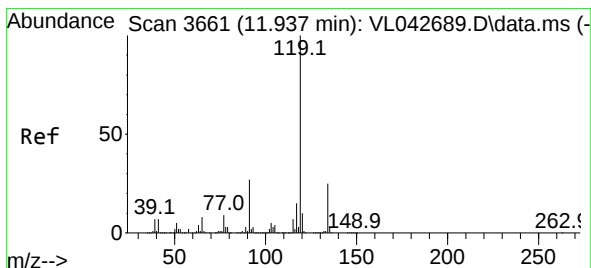
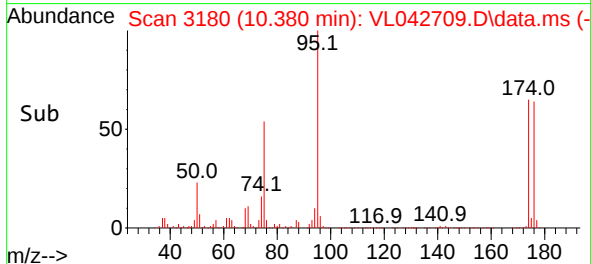
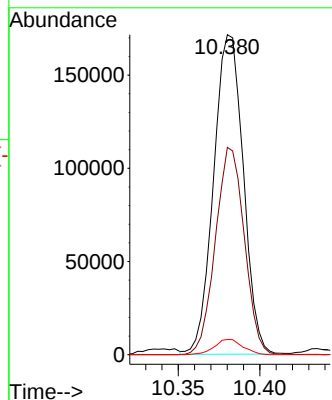
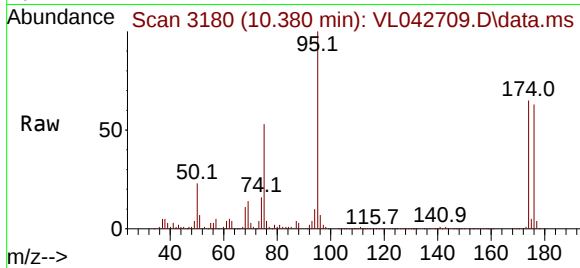




#68
1-Bromo-4-Fluorobenzene
Concen: 10.180 ppbv
RT: 10.380 min Scan# 3183
Delta R.T. -0.010 min
Lab File: VL042709.D
Acq: 08 Jul 2025 11:44

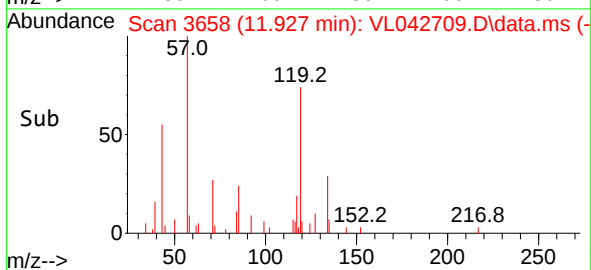
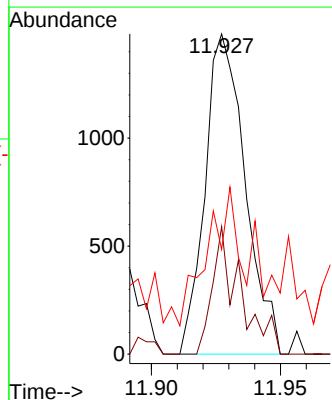
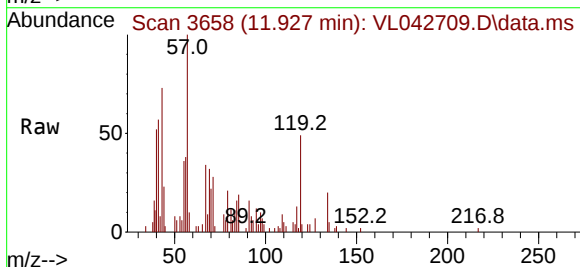
Instrument :
MSVOA_L
ClientSampleId :
SV2

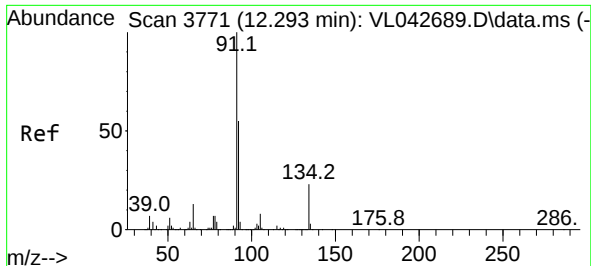
Tgt Ion: 95 Resp: 216919
Ion Ratio Lower Upper
95 100
174 63.3 51.2 76.8
175 4.6 3.8 5.8



#69
p-Isopropyltoluene
Concen: 0.031 ppbv
RT: 11.927 min Scan# 3658
Delta R.T. -0.010 min
Lab File: VL042709.D
Acq: 08 Jul 2025 11:44

Tgt Ion: 119 Resp: 1607
Ion Ratio Lower Upper
119 100
134 29.9 20.6 31.0
91 53.8 21.4 32.2#

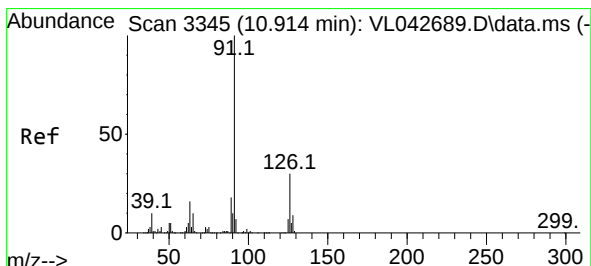
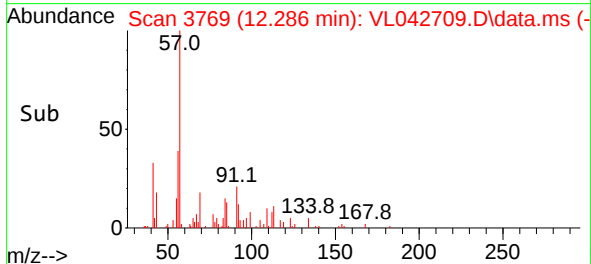
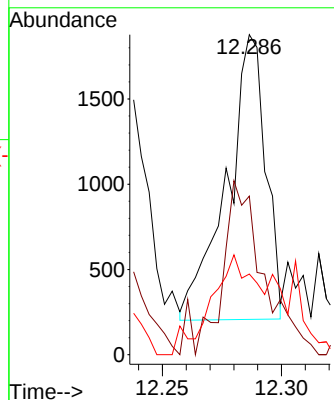
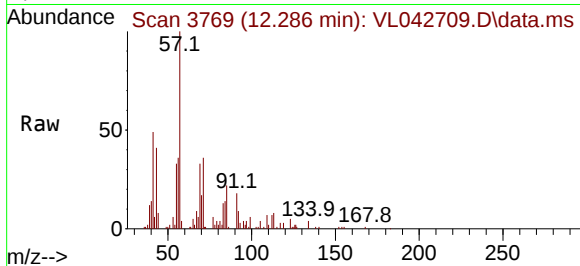




#70
n-Butylbenzene
Concen: 0.036 ppbv
RT: 12.286 min Scan# 3170
Delta R.T. -0.007 min
Lab File: VL042709.D
Acq: 08 Jul 2025 11:44

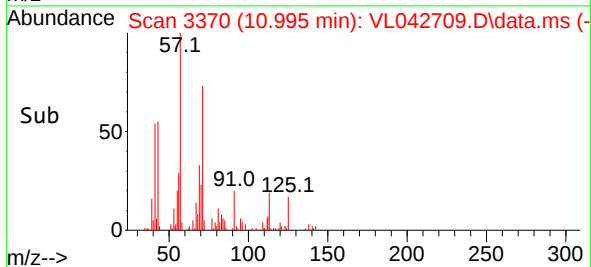
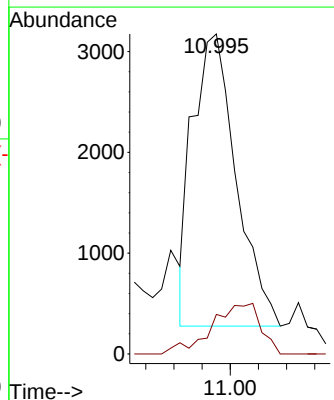
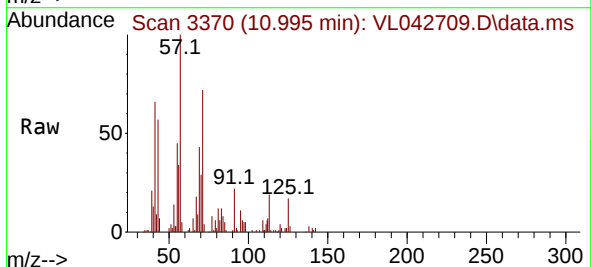
Instrument :
MSVOA_L
ClientSampleId :
SV2

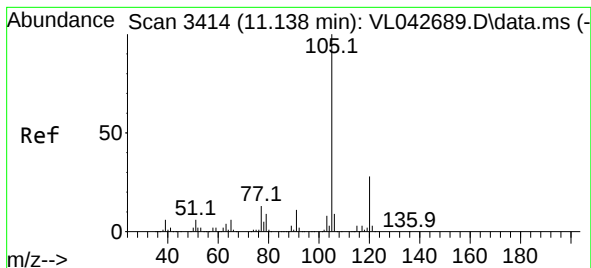
Tgt Ion: 91 Resp: 1892
Ion Ratio Lower Upper
91 100
92 68.4 44.2 66.2#
134 62.9 18.6 27.8#



#71
2-Chlorotoluene
Concen: 0.085 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. 0.081 min
Lab File: VL042709.D
Acq: 08 Jul 2025 11:44

Tgt Ion: 91 Resp: 3119
Ion Ratio Lower Upper
91 100
126 19.3 11.8 47.4





#72

4-Ethyltoluene

Concen: 0.072 ppbv

RT: 11.128 min Scan# 3411

Delta R.T. -0.010 min

Lab File: VL042709.D

Acq: 08 Jul 2025 11:44

Instrument :

MSVOA_L

ClientSampleId :

SV2

Tgt Ion:105 Resp: 2882

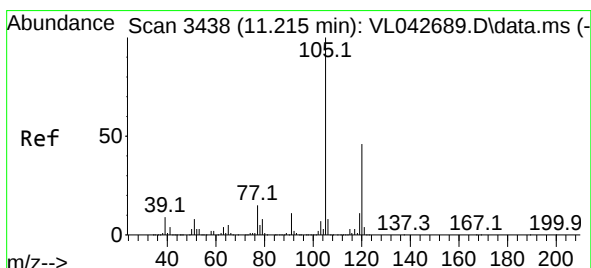
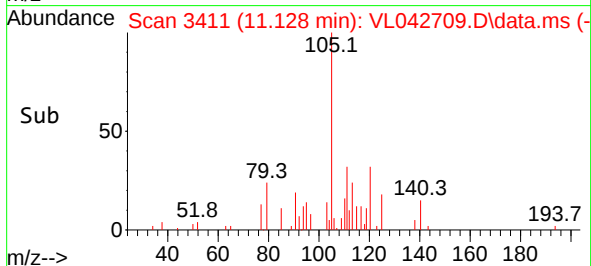
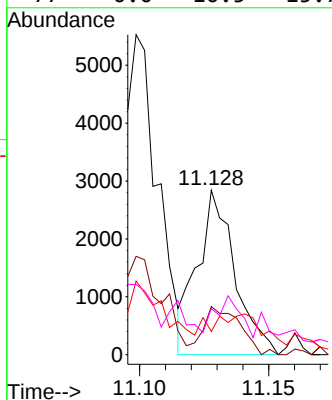
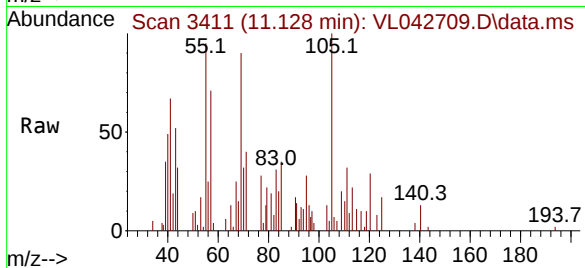
Ion Ratio Lower Upper

105 100

120 0.0 23.8 35.6#

91 45.2 9.7 14.5#

77 0.0 10.5 15.7#



#73

1,3,5-Trimethylbenzene

Concen: 0.100 ppbv

RT: 11.209 min Scan# 3436

Delta R.T. -0.007 min

Lab File: VL042709.D

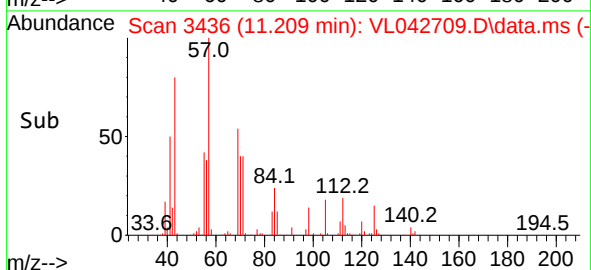
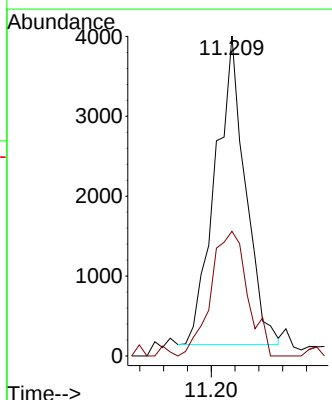
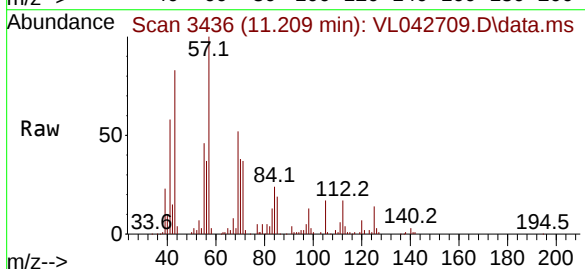
Acq: 08 Jul 2025 11:44

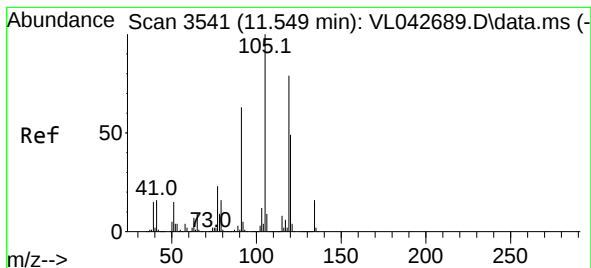
Tgt Ion:105 Resp: 3384

Ion Ratio Lower Upper

105 100

120 40.4 37.0 55.4





#74

1,2,4-Trimethylbenzene

Concen: 0.244 ppbv

RT: 11.539 min Scan# 3

Delta R.T. -0.010 min

Lab File: VL042709.D

Acq: 08 Jul 2025 11:44

Instrument :

MSVOA_L

ClientSampleId :

SV2

Tgt Ion:105 Resp: 9436

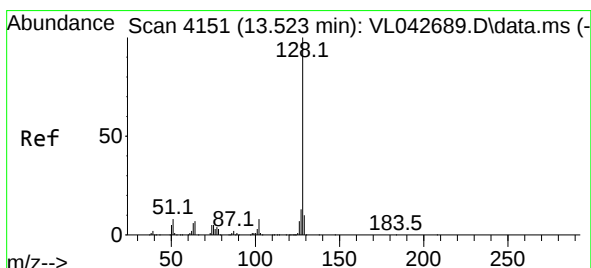
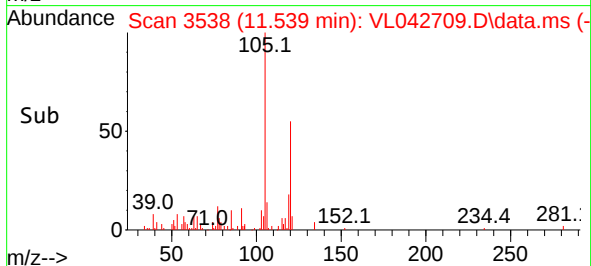
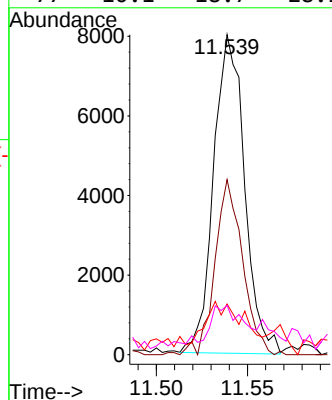
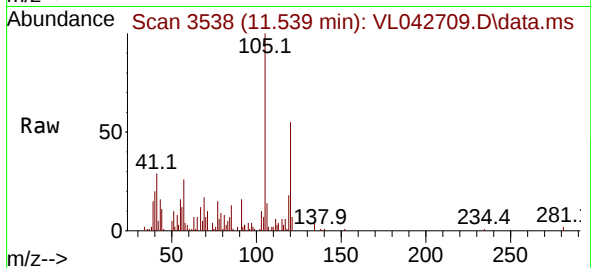
Ion Ratio Lower Upper

105 100

120 54.4 39.6 59.4

91 10.2 51.0 76.6#

77 10.1 18.7 28.1#



#79

Naphthalene

Concen: 0.047 ppbv

RT: 13.510 min Scan# 4147

Delta R.T. -0.013 min

Lab File: VL042709.D

Acq: 08 Jul 2025 11:44

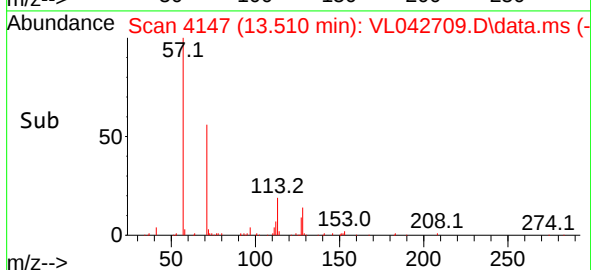
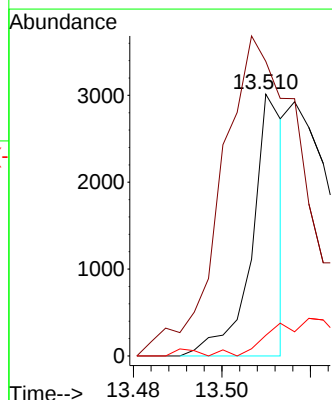
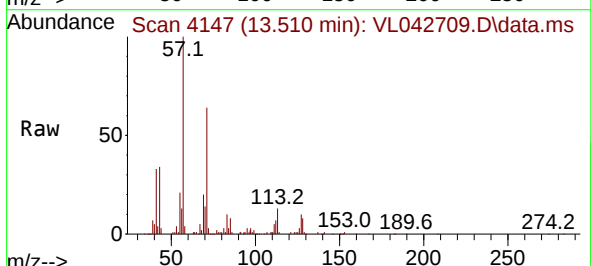
Tgt Ion:128 Resp: 1513

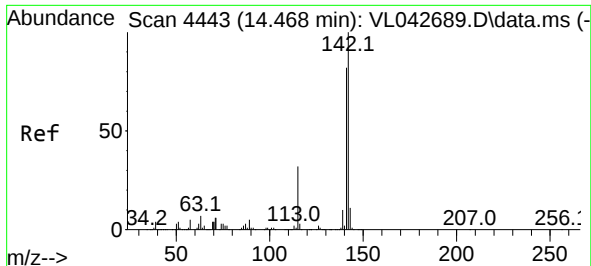
Ion Ratio Lower Upper

128 100

127 103.6 10.2 15.4#

129 5.2 8.2 12.2#

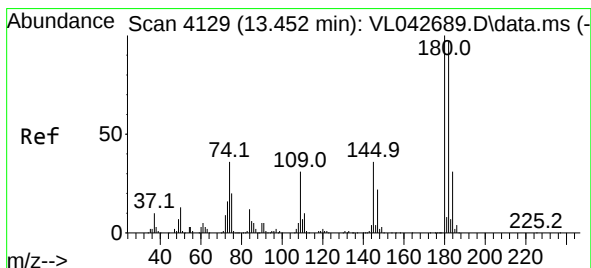
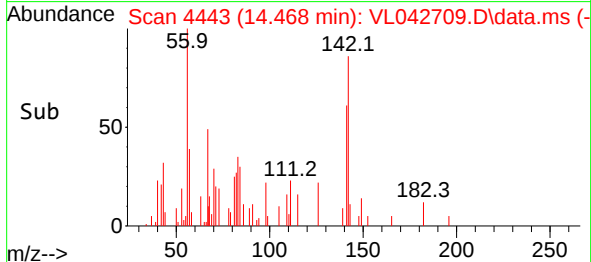
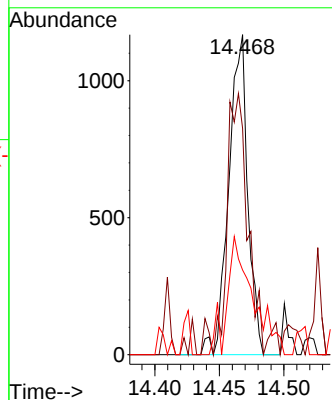
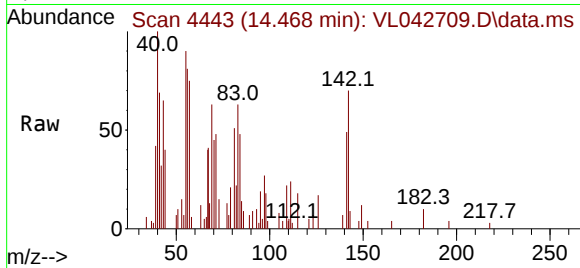




#80
Naphthalene, 2-methyl-
Concen: 0.089 ppbv
RT: 14.468 min Scan# 4443
Delta R.T. -0.000 min
Lab File: VL042709.D
Acq: 08 Jul 2025 11:44

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion	Ratio	Lower	Upper
142	100		
141	97.2	67.4	101.2
115	50.6	26.9	40.3



#81
1,2,4-Trichlorobenzene
Concen: 0.045 ppbv
RT: 13.445 min Scan# 4127
Delta R.T. -0.007 min
Lab File: VL042709.D
Acq: 08 Jul 2025 11:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	245.7	76.7	115.1
184	33.8	24.4	36.6

