

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050725\
 Data File : VL042519.D
 Acq On : 07 May 2025 15:37
 Operator : SY/MD
 Sample : MDL2 0.40
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL2 0.40

Quant Time: May 08 01:38:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 02 03:16:31 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	73774	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	187670	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.891	117	161181	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	144968	9.701	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	5585	0.457	ppbv	92
3) Chlorodifluoromethane	1.476	51	6338	0.491	ppbv	99
4) Chloromethane	1.534	50	2612	0.512	ppbv	95
5) Vinyl Chloride	1.580	62	2017	0.393	ppbv #	82
6) Bromomethane	1.667	94	1226	0.505	ppbv #	47
7) Chloroethane	1.703	64	822	0.433	ppbv	98
8) Dichlorotetrafluoroethane	1.557	85	4695	0.466	ppbv	95
9) Propene	1.486	41	1805	0.428	ppbv	100
10) Heptane	4.985	43	1228	0.112	ppbv #	1
11) Trichlorofluoromethane	1.881	101	5563	0.494	ppbv	87
12) 1,1,2-Trichlorotrifluo...	2.143	101	4327	0.481	ppbv	97
13) Ethanol	1.722	45	721	0.842	ppbv	73
14) Bromoethene	1.784	108	1689	0.509	ppbv #	87
15) Acetone	1.839	43	8205	0.609	ppbv #	87
16) 1,3-Butadiene	1.609	39	3215	0.541	ppbv	98
17) tert-Butyl alcohol	2.046	59	5219	0.440	ppbv #	86
18) 1,1-Dichloroethene	2.343	96	2126	0.506	ppbv	87
19) Isopropyl Alcohol	1.890	45	3267	0.438	ppbv #	94
20) Methylene Chloride	2.062	84	2592	0.640	ppbv #	84
21) Allyl Chloride	2.101	41	3923	0.453	ppbv #	75
22) trans-1,2-Dichloroethene	2.343	96	2126	0.433	ppbv	97
23) Vinyl Acetate	2.470	43	5520	0.429	ppbv #	76
24) 1,1-Dichloroethane	2.411	63	4741	0.474	ppbv	98
25) Ethyl Acetate	2.845	43	4908	0.228	ppbv #	77
26) Hexane	2.839	57	445	0.047	ppbv #	1
27) Carbon Disulfide	2.152	76	4689	0.428	ppbv #	1
28) Methyl tert-Butyl Ether	2.444	73	2085	0.369	ppbv #	66
29) Chloroform	2.855	83	8773	0.498	ppbv	91
30) Cyclohexane	3.868	84	1642	0.209	ppbv #	68
31) cis-1,2-Dichloroethene	2.725	61	3497	0.319	ppbv #	74
32) 1,1,1-Trichloroethane	3.373	97	7886	0.413	ppbv	97
34) 2-Butanone	2.567	43	6121	0.451	ppbv	99
35) Carbon Tetrachloride	3.771	117	8199	0.481	ppbv #	82
36) Benzene	3.667	78	2868	0.162	ppbv #	92
37) 1,2-Dichloroethane	3.224	62	5858	0.429	ppbv #	96
38) Trichloroethene	4.561	130	766	0.113	ppbv #	32
39) 1,2-Dichloropropane	4.324	63	934	0.141	ppbv #	29
40) 1,4-Dioxane	4.612	88	407	0.131	ppbv #	100
41) Tetrahydrofuran	3.072	42	1896	0.294	ppbv #	91
42) Bromodichloromethane	4.506	83	3571	0.214	ppbv #	82
43) Methyl Methacrylate	4.897	69	777	0.118	ppbv #	1
44) 2,2,4-Trimethylpentane	4.651	57	4511	0.157	ppbv #	1
45) t-1,3-Dichloropropene	6.435	75	1075	0.124	ppbv	94

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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL2 0.40

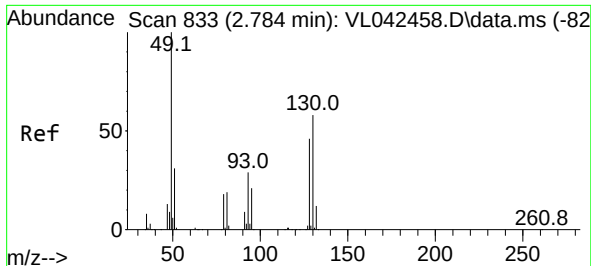
Quant Time: May 08 01:38:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 02 03:16:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.619	75	690	0.067	ppbv	94
47) 1,1,2-Trichloroethane	6.596	97	2748	0.378	ppbv #	81
48) Dibromochloromethane	7.415	129	1017	0.083	ppbv #	10
49) Bromoform	9.493	173	1889	0.183	ppbv #	12
50) 4-Methyl-2-Pentanone	5.771	43	1390	0.081	ppbv #	38
51) 2-Hexanone	7.457	43	2584	0.188	ppbv #	70
52) Tetrachloroethene	8.244	164	588	0.087	ppbv #	47
53) Toluene	6.956	91	712	0.038	ppbv #	21
54) 1,2-Dibromoethane	7.664	107	3935	0.354	ppbv #	76
56) 1,1,1,2-Tetrachloroethane	8.933	131	5109	0.537	ppbv	88
57) Chlorobenzene	8.930	112	7679	0.474	ppbv #	85
58) Ethyl Benzene	9.564	91	4542	0.169	ppbv	98
59) m/p-Xylene	9.539	91	3811	0.169	ppbv #	33
60) o-Xylene	9.975	91	5583	0.247	ppbv	95
61) Styrene	9.875	104	1876	0.222	ppbv #	85
62) Isopropylbenzene	10.545	105	9659	0.296	ppbv	95
63) 1,1,2,2-Tetrachloroethane	9.972	83	7570	0.486	ppbv	93
64) n-propylbenzene	11.001	120	1593	0.200	ppbv #	62
65) tert-Butylbenzene	11.536	119	7472	0.257	ppbv	96
66) Benzyl Chloride	11.629	91	274	0.081	ppbv #	67
67) sec-Butylbenzene	11.772	105	11135	0.269	ppbv	100
69) p-Isopropyltoluene	11.934	119	7813	0.224	ppbv	91
70) n-Butylbenzene	12.290	91	8399	0.233	ppbv	96
71) 2-Chlorotoluene	10.911	91	6717	0.263	ppbv	100
72) 4-Ethyltoluene	11.134	105	6202	0.233	ppbv #	94
73) 1,3,5-Trimethylbenzene	11.212	105	5445	0.232	ppbv #	78
74) 1,2,4-Trimethylbenzene	11.542	105	7142	0.252	ppbv #	90
75) 1,3-Dichlorobenzene	11.613	146	6216	0.394	ppbv	96
76) 1,4-Dichlorobenzene	11.678	146	5235	0.350	ppbv	97
77) 1,2-Dichlorobenzene	11.950	146	6050	0.391	ppbv	95
78) Hexachloro-1,3-Butadiene	13.885	225	7614	0.493	ppbv	92
79) Naphthalene	13.523	128	4420	0.185	ppbv	97
80) Naphthalene,2-methyl-	14.474	142	588	0.033	ppbv #	69
81) 1,2,4-Trichlorobenzene	13.452	180	2335	0.183	ppbv #	78

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

Quant Time: May 08 01:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration

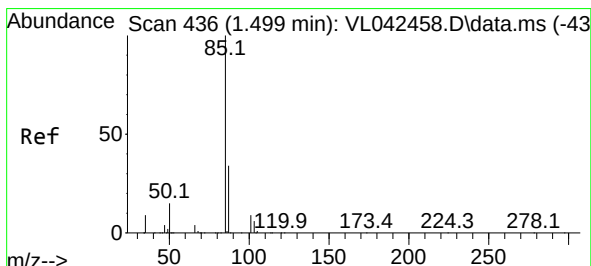
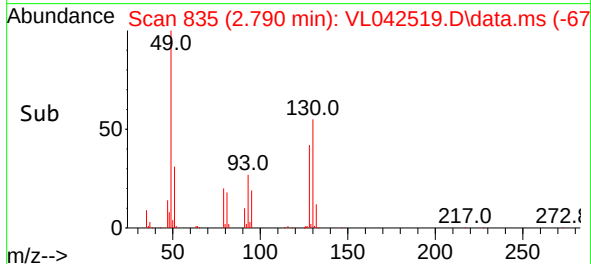
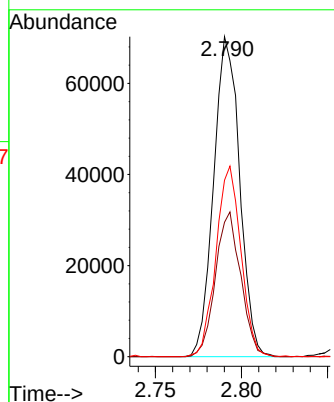
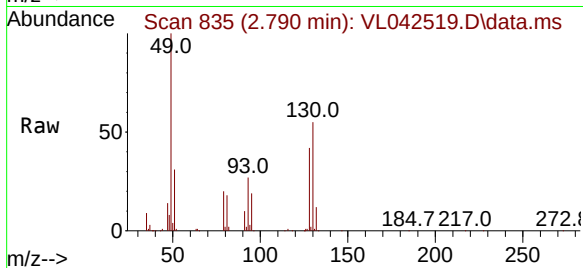




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.790 min Scan# 81
 Delta R.T. 0.006 min
 Lab File: VL042519.D
 Acq: 07 May 2025 15:37

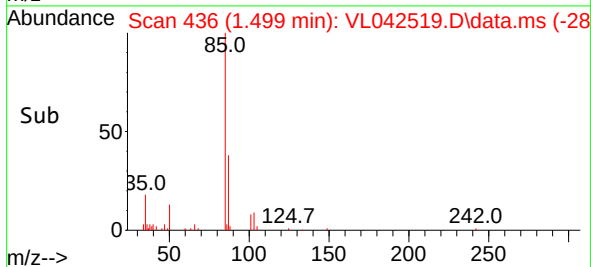
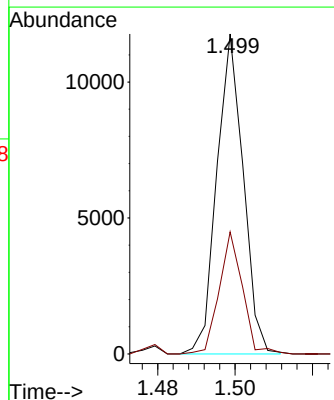
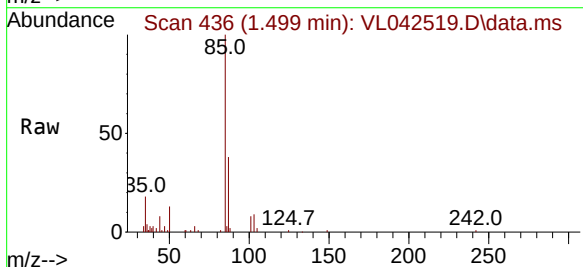
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL2 0.40

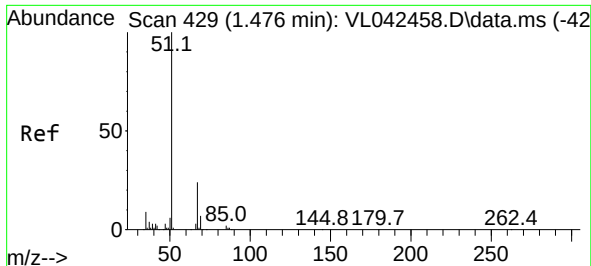
Tgt Ion: 49 Resp: 73774
 Ion Ratio Lower Upper
 49 100
 128 44.1 23.3 69.9
 130 57.4 29.5 88.6



#2
 Dichlorodifluoromethane
 Concen: 0.457 ppbv
 RT: 1.499 min Scan# 436
 Delta R.T. -0.000 min
 Lab File: VL042519.D
 Acq: 07 May 2025 15:37

Tgt Ion: 85 Resp: 5585
 Ion Ratio Lower Upper
 85 100
 87 38.2 26.9 40.3

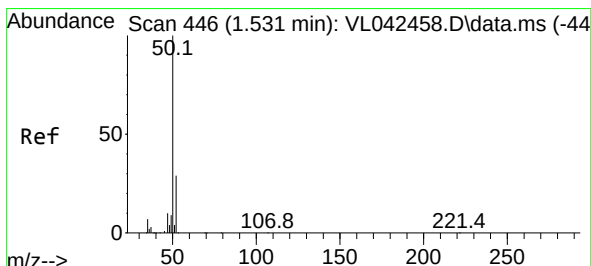
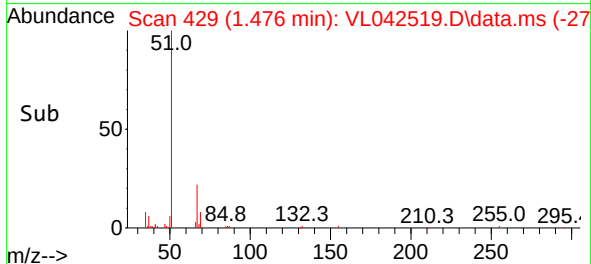
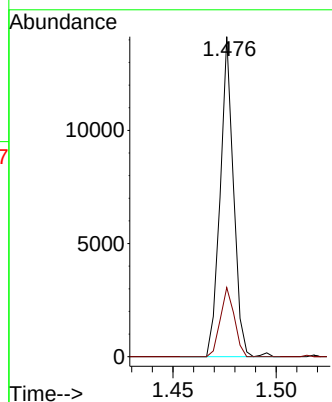
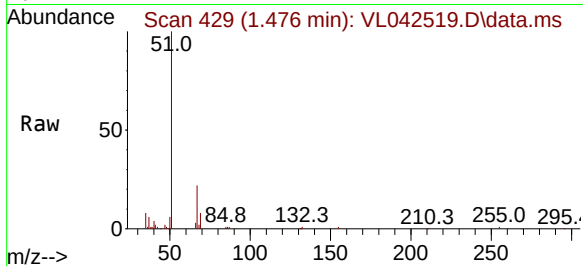




#3
Chlorodifluoromethane
Concen: 0.491 ppbv
RT: 1.476 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042519.D
Acq: 07 May 2025 15:37

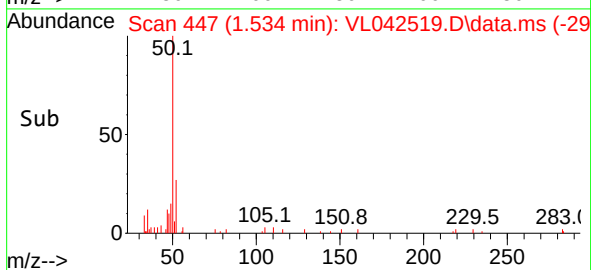
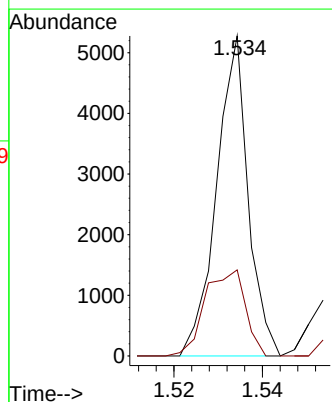
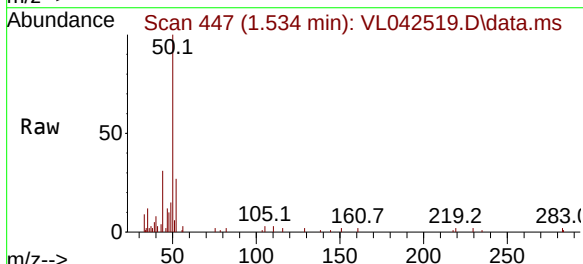
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.40

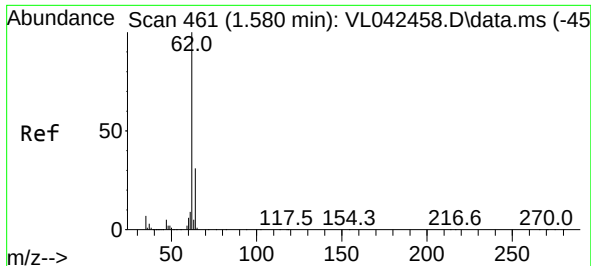
Tgt Ion: 51 Resp: 6338
Ion Ratio Lower Upper
51 100
67 22.6 18.4 27.6



#4
Chloromethane
Concen: 0.512 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042519.D
Acq: 07 May 2025 15:37

Tgt Ion: 50 Resp: 2612
Ion Ratio Lower Upper
50 100
52 26.9 23.5 35.3

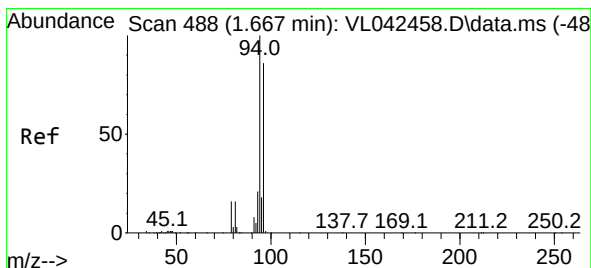
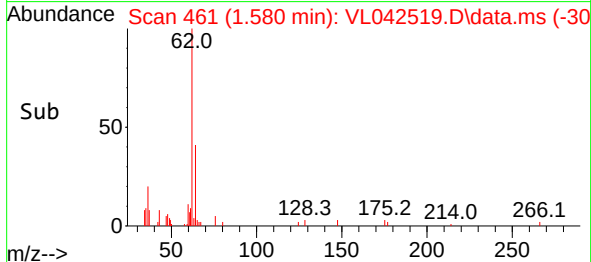
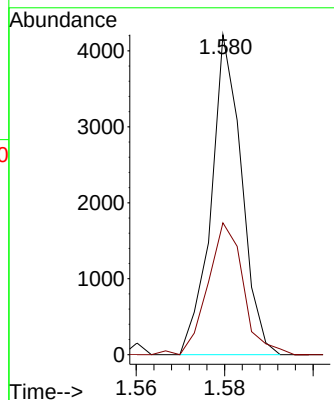
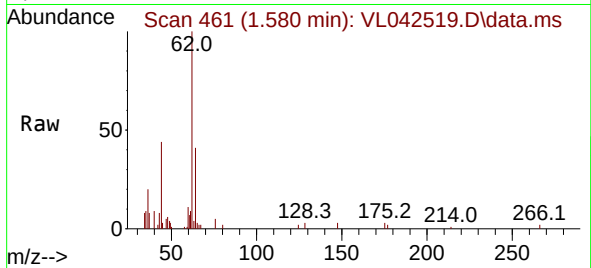




#5
 Vinyl Chloride
 Concen: 0.393 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.000 min
 Lab File: VL042519.D
 Acq: 07 May 2025 15:37

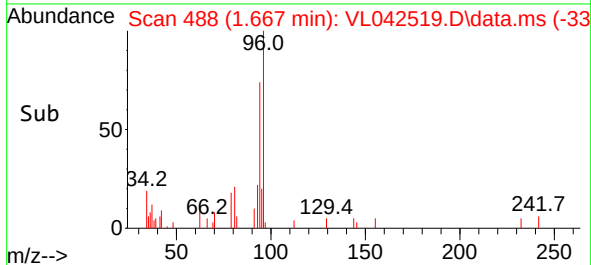
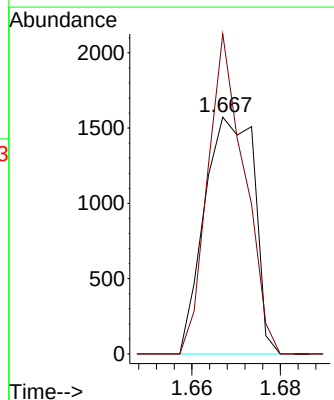
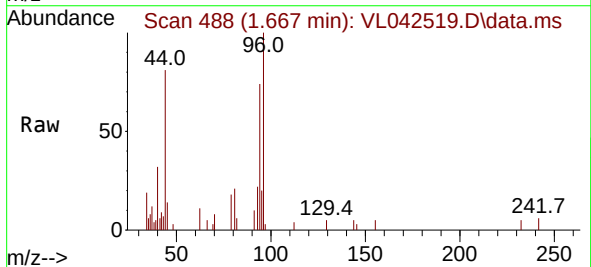
Instrument :
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 ClientSampleId :
 MDL2 0.40

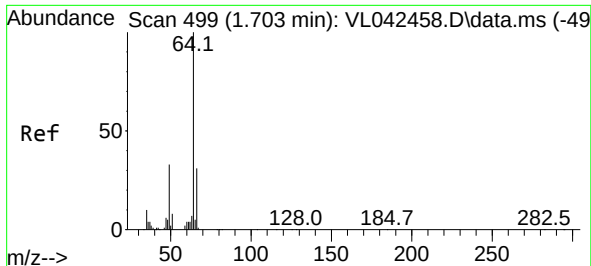
Tgt Ion: 62 Resp: 2017
 Ion Ratio Lower Upper
 62 100
 64 41.2 24.9 37.3#



#6
 Bromomethane
 Concen: 0.505 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.000 min
 Lab File: VL042519.D
 Acq: 07 May 2025 15:37

Tgt Ion: 94 Resp: 1226
 Ion Ratio Lower Upper
 94 100
 96 135.1 68.8 103.2#

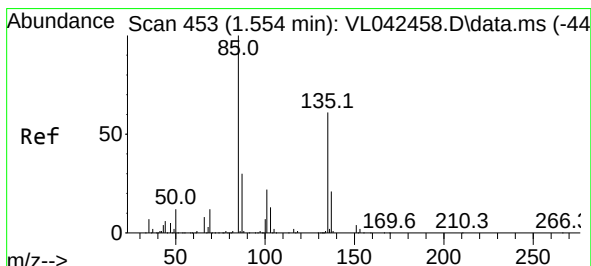
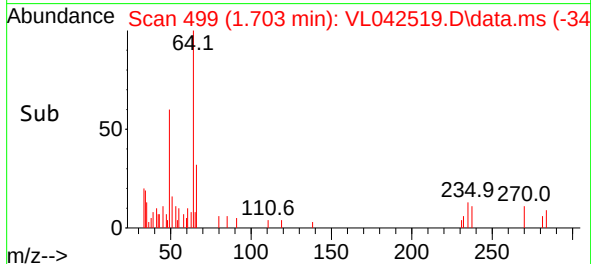
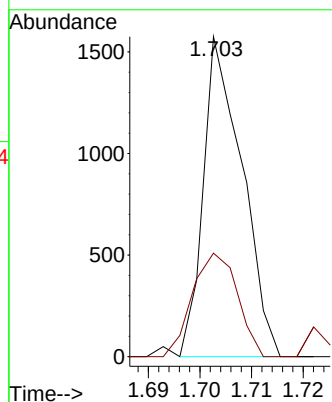
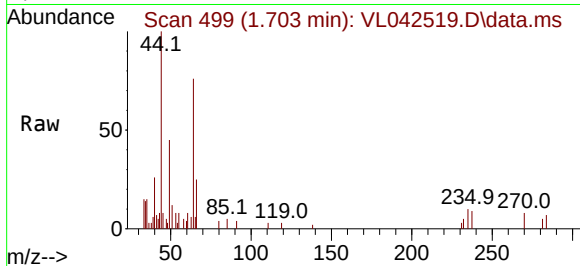




#7
Chloroethane
Concen: 0.433 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL042519.D
Acq: 07 May 2025 15:37

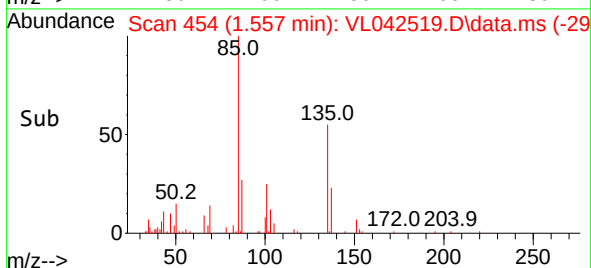
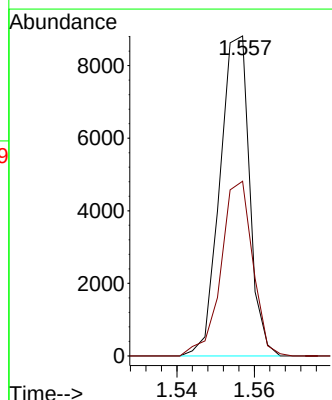
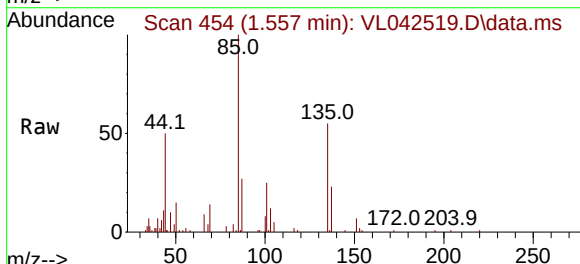
Instrument :
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ClientSampleId :
MDL2 0.40

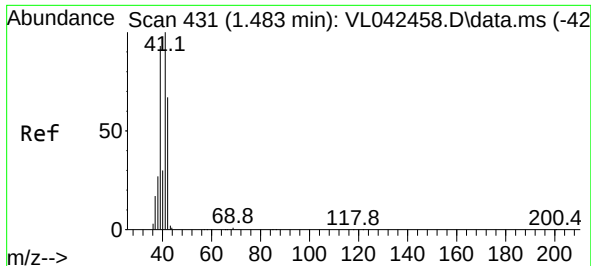
Tgt Ion: 64 Resp: 822
Ion Ratio Lower Upper
64 100
66 32.4 25.0 37.4



#8
Dichlorotetrafluoroethane
Concen: 0.466 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL042519.D
Acq: 07 May 2025 15:37

Tgt Ion: 85 Resp: 4695
Ion Ratio Lower Upper
85 100
135 58.6 49.8 74.8





#9

Propene

Concen: 0.428 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042519.D

Acq: 07 May 2025 15:37

Instrument :

MSVOA_L

ClientSampleId :

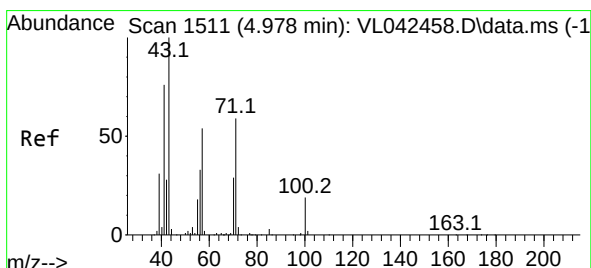
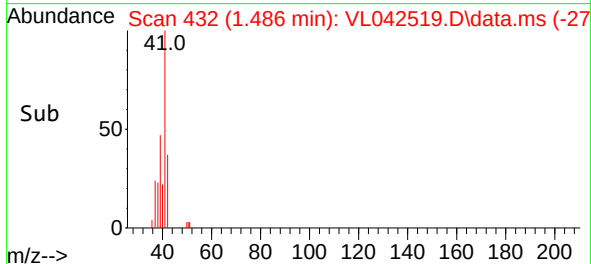
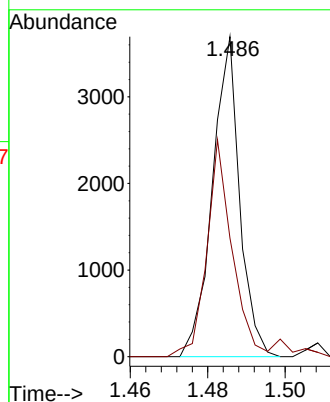
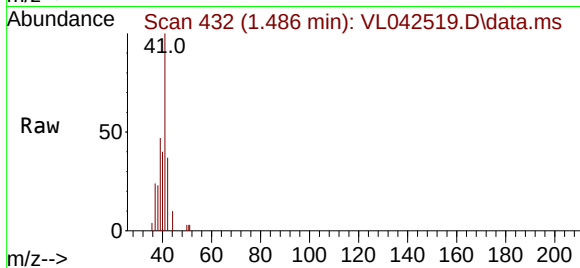
MDL2 0.40

Tgt Ion: 41 Resp: 1805

Ion Ratio Lower Upper

41 100

42 68.0 54.3 81.5



#10

Heptane

Concen: 0.112 ppbv

RT: 4.985 min Scan# 1513

Delta R.T. 0.006 min

Lab File: VL042519.D

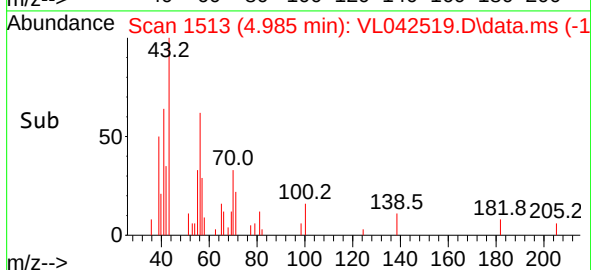
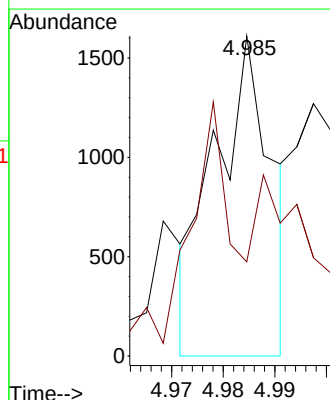
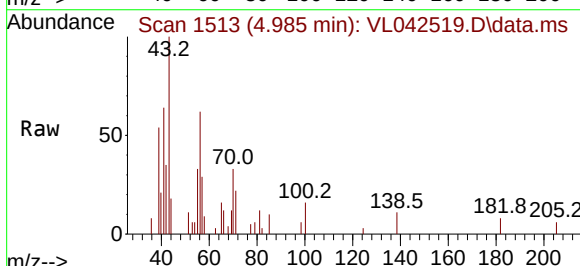
Acq: 07 May 2025 15:37

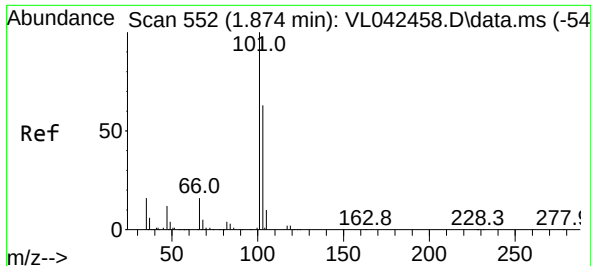
Tgt Ion: 43 Resp: 1228

Ion Ratio Lower Upper

43 100

57 138.5 41.8 62.8#

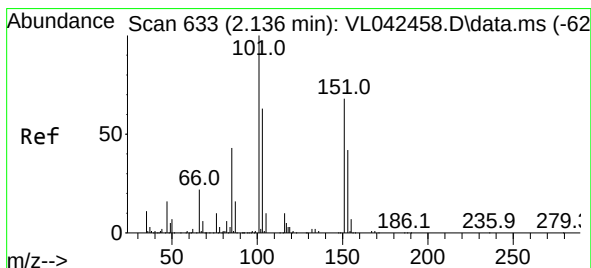
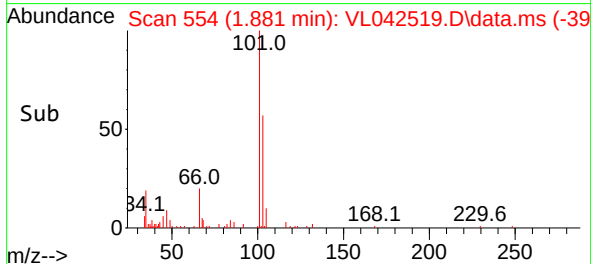
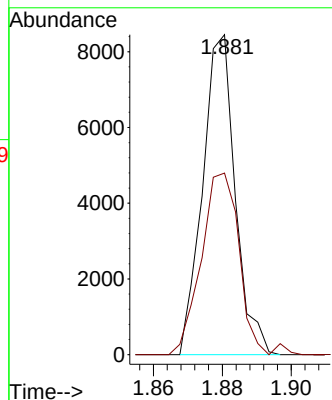
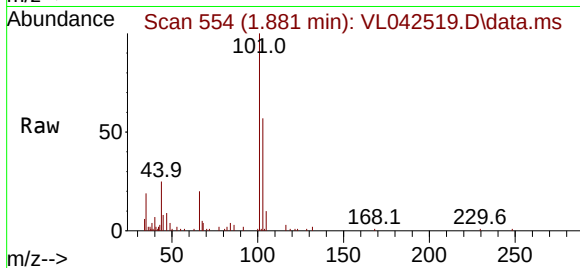




#11
 Trichlorofluoromethane
 Concen: 0.494 ppbv
 RT: 1.881 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VL042519.D
 Acq: 07 May 2025 15:37

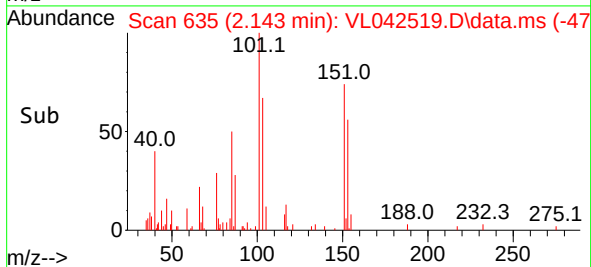
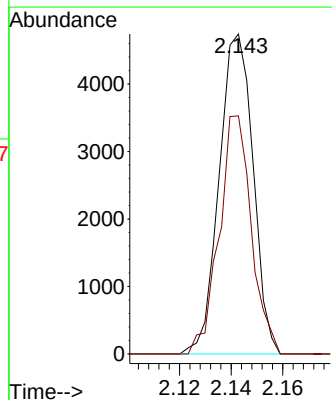
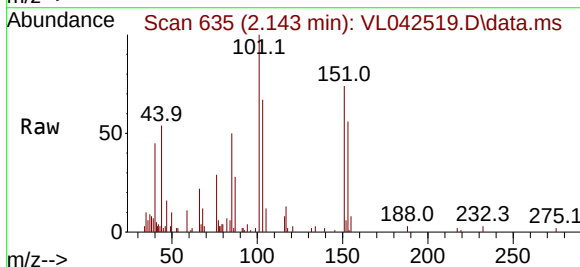
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL2 0.40

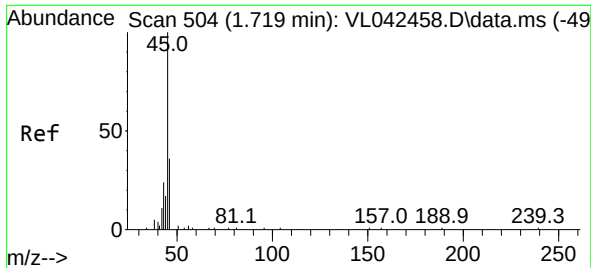
Tgt Ion:101 Resp: 5563
 Ion Ratio Lower Upper
 101 100
 103 53.5 50.6 76.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.481 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. 0.006 min
 Lab File: VL042519.D
 Acq: 07 May 2025 15:37

Tgt Ion:101 Resp: 4327
 Ion Ratio Lower Upper
 101 100
 151 70.7 54.6 82.0

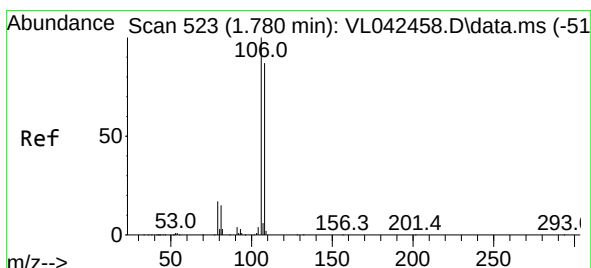
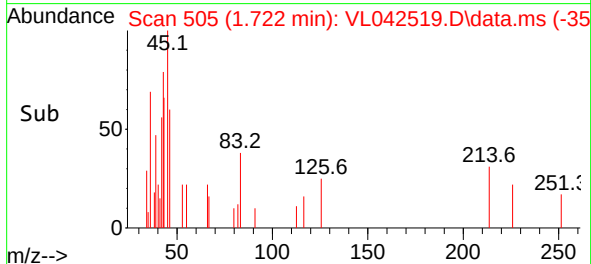
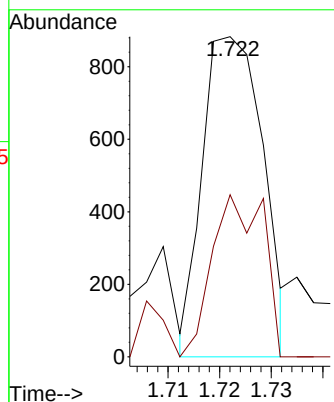
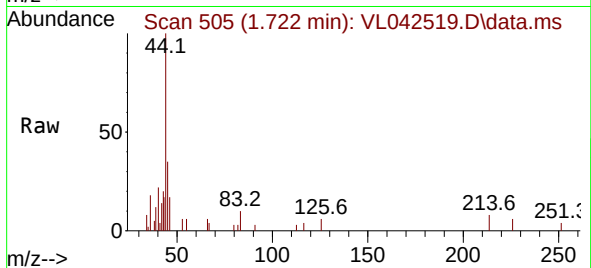




#13
Ethanol
Concen: 0.842 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL042519.D
Acq: 07 May 2025 15:37

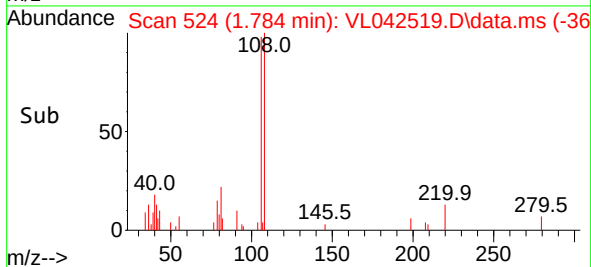
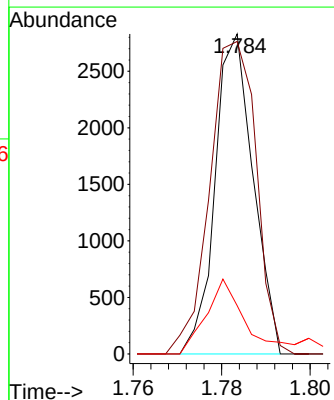
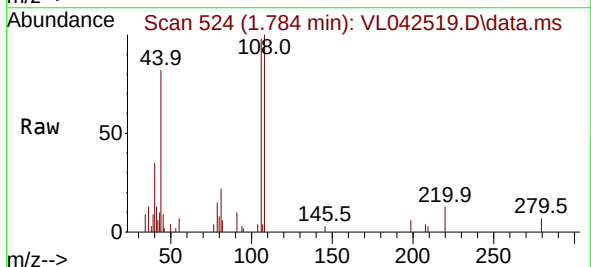
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.40

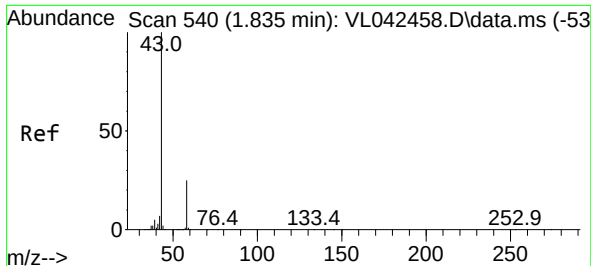
Tgt Ion: 45 Resp: 721
Ion Ratio Lower Upper
45 100
46 54.2 15.3 61.1



#14
Bromoethene
Concen: 0.509 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.003 min
Lab File: VL042519.D
Acq: 07 May 2025 15:37

Tgt Ion: 108 Resp: 1689
Ion Ratio Lower Upper
108 100
106 121.3 88.8 133.2
79 36.2 17.1 25.7#

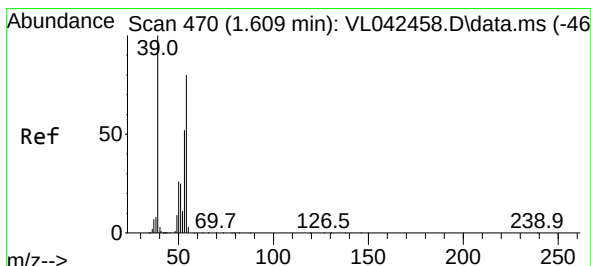
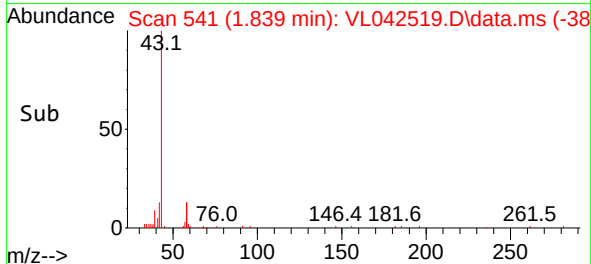
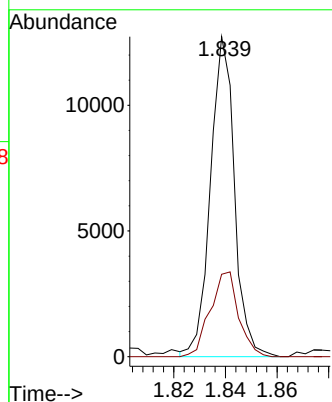
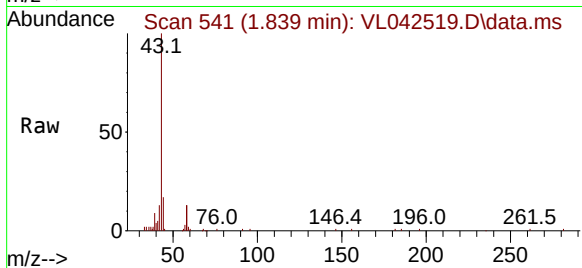




#15
Acetone
Concen: 0.609 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042519.D
Acq: 07 May 2025 15:37

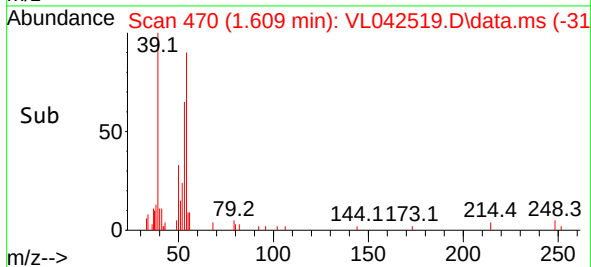
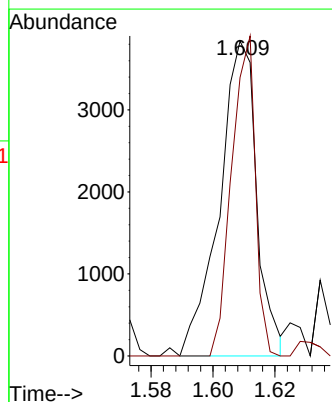
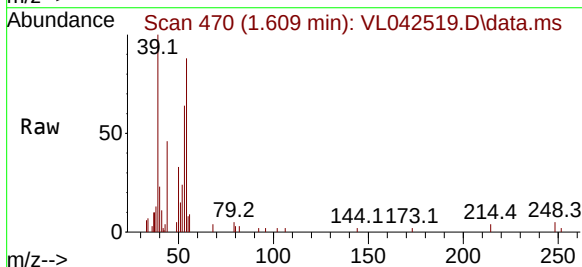
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.40

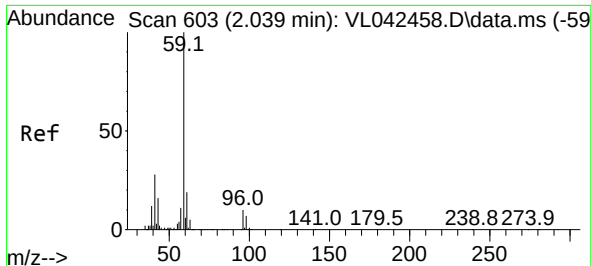
Tgt Ion: 43 Resp: 8205
Ion Ratio Lower Upper
43 100
58 31.3 19.8 29.8#



#16
1,3-Butadiene
Concen: 0.541 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.000 min
Lab File: VL042519.D
Acq: 07 May 2025 15:37

Tgt Ion: 39 Resp: 3215
Ion Ratio Lower Upper
39 100
54 67.7 55.2 82.8





#17

tert-Butyl alcohol

Concen: 0.440 ppbv

RT: 2.046 min Scan# 603

Delta R.T. 0.006 min

Lab File: VL042519.D

Acq: 07 May 2025 15:37

Instrument :

MSVOA_L

ClientSampleId :

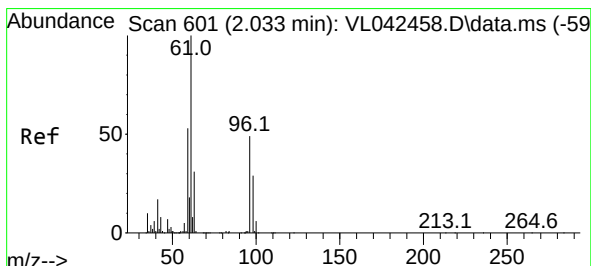
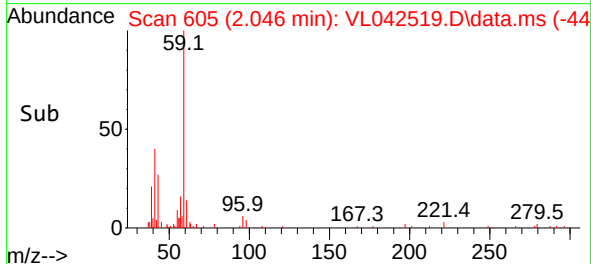
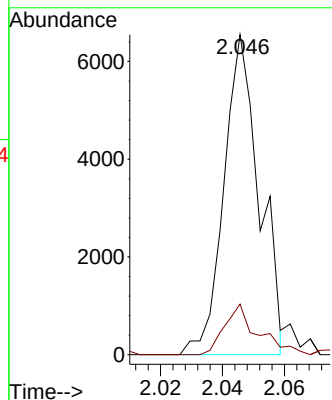
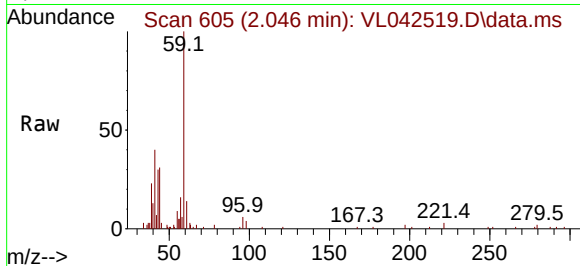
MDL2 0.40

Tgt Ion: 59 Resp: 5219

Ion Ratio Lower Upper

59 100

57 15.6 8.3 12.5#



#18

1,1-Dichloroethene

Concen: 0.506 ppbv

RT: 2.343 min Scan# 697

Delta R.T. 0.311 min

Lab File: VL042519.D

Acq: 07 May 2025 15:37

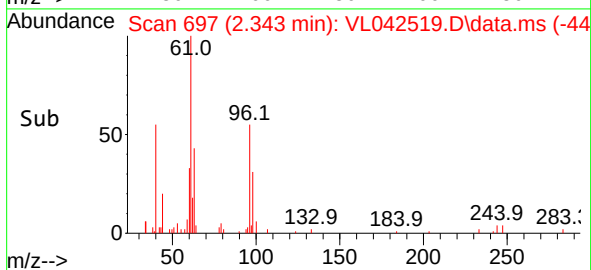
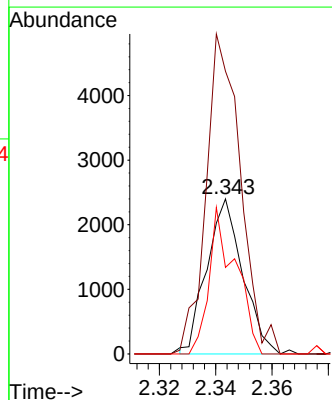
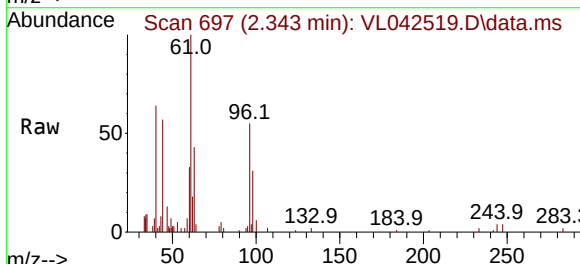
Tgt Ion: 96 Resp: 2126

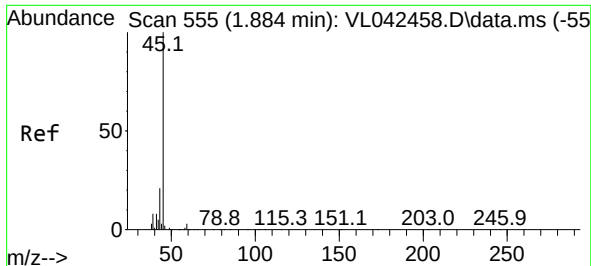
Ion Ratio Lower Upper

96 100

61 182.4 164.9 247.3

98 55.8 48.2 72.2

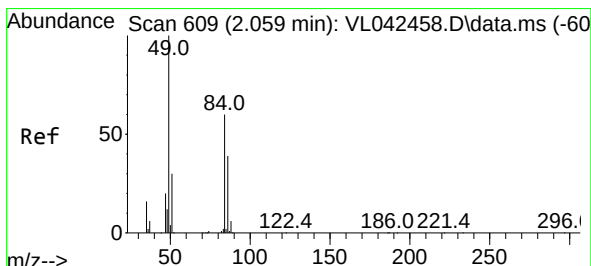
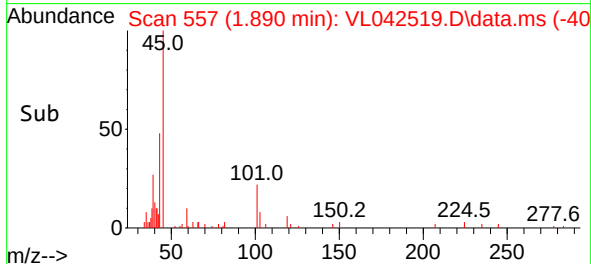
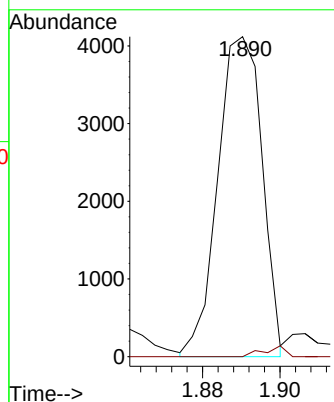
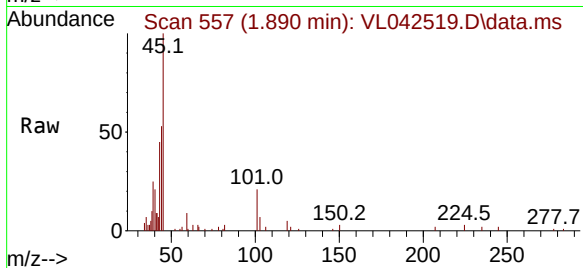




#19
Isopropyl Alcohol
Concen: 0.438 ppbv
RT: 1.890 min Scan# 51
Delta R.T. 0.006 min
Lab File: VL042519.D
Acq: 07 May 2025 15:37

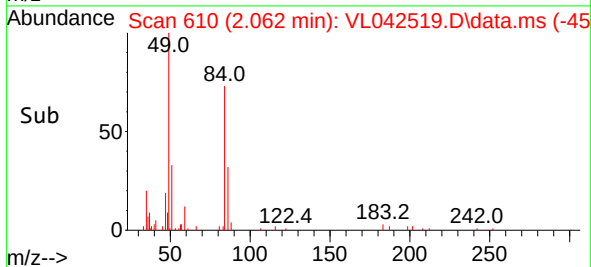
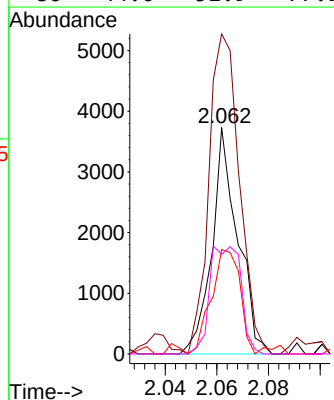
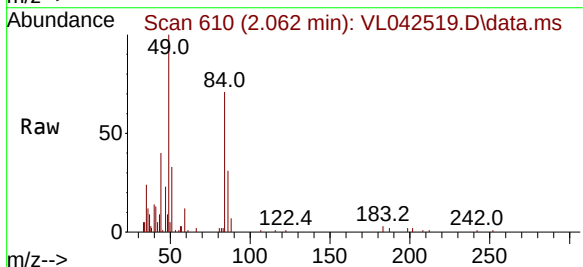
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.40

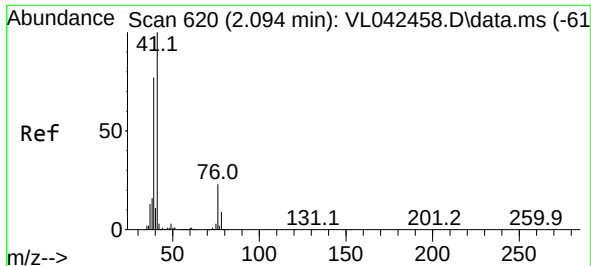
Tgt Ion: 45 Resp: 3267
Ion Ratio Lower Upper
45 100
58 0.0 1.6 2.4#



#20
Methylene Chloride
Concen: 0.640 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042519.D
Acq: 07 May 2025 15:37

Tgt Ion: 84 Resp: 2592
Ion Ratio Lower Upper
84 100
49 148.3 133.9 200.9
51 43.5 41.0 61.6
86 44.0 51.9 77.9#

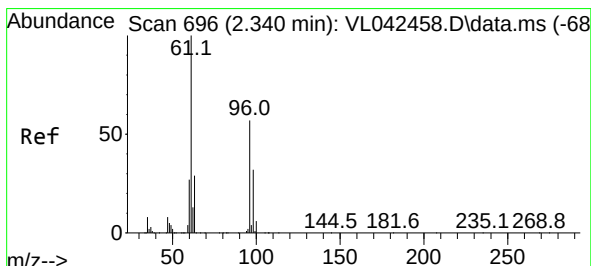
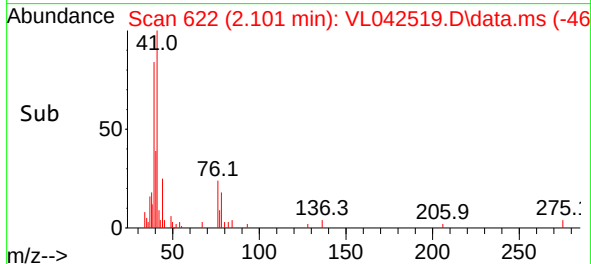
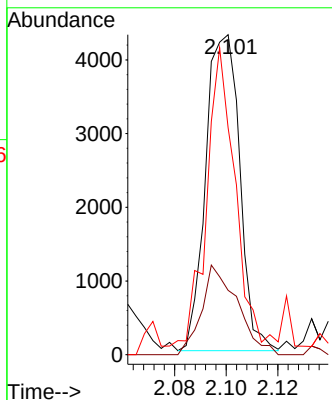
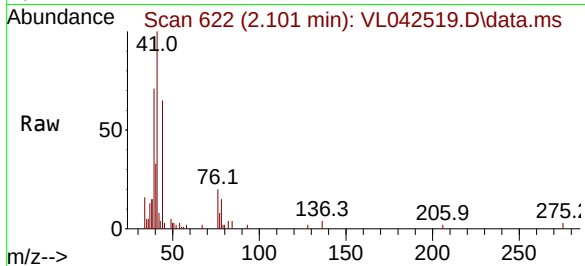




#21
 Allyl Chloride
 Concen: 0.453 ppbv
 RT: 2.101 min Scan# 61
 Delta R.T. 0.006 min
 Lab File: VL042519.D
 Acq: 07 May 2025 15:37

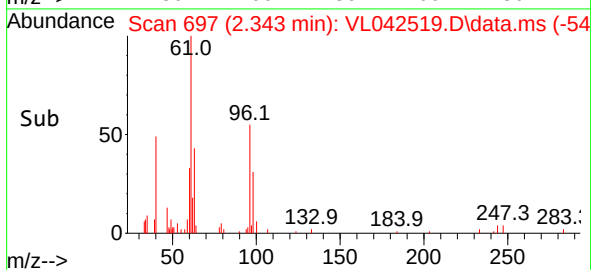
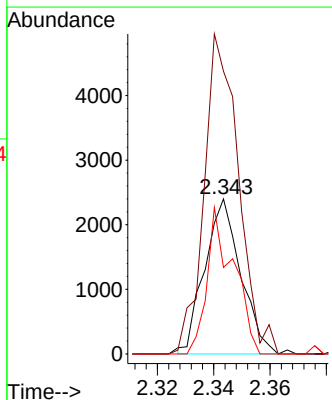
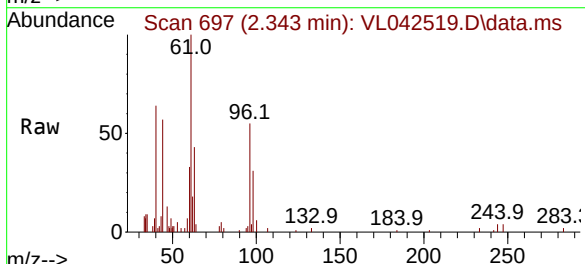
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL2 0.40

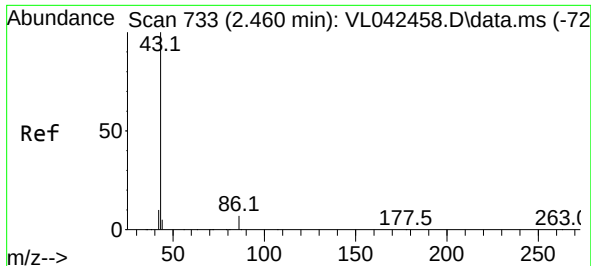
Tgt Ion: 41 Resp: 3923
 Ion Ratio Lower Upper
 41 100
 76 29.8 19.6 29.4#
 39 101.3 61.0 91.4#



#22
 trans-1,2-Dichloroethene
 Concen: 0.433 ppbv
 RT: 2.343 min Scan# 697
 Delta R.T. 0.003 min
 Lab File: VL042519.D
 Acq: 07 May 2025 15:37

Tgt Ion: 96 Resp: 2126
 Ion Ratio Lower Upper
 96 100
 61 182.4 141.8 212.6
 98 55.8 45.0 67.6

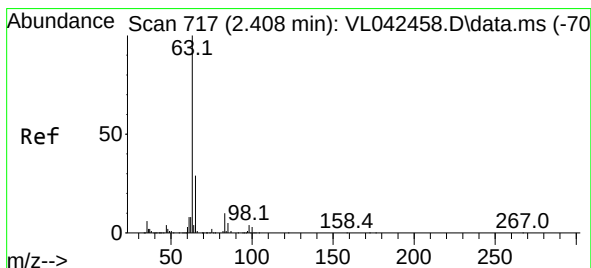
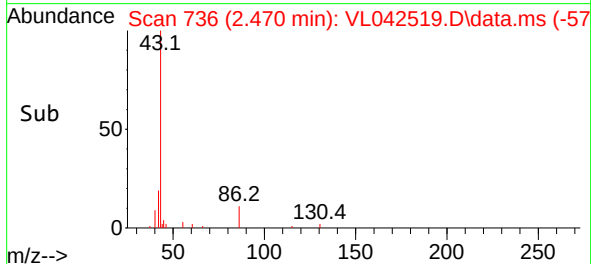
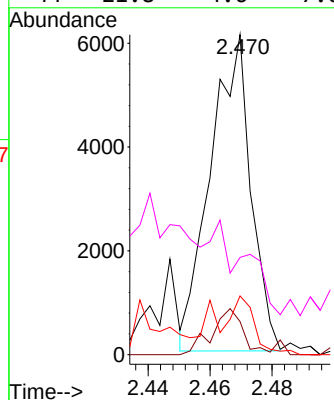
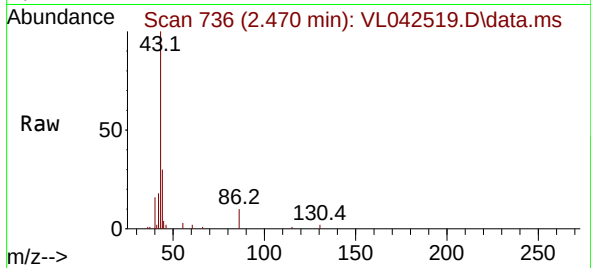




#23
 Vinyl Acetate
 Concen: 0.429 ppbv
 RT: 2.470 min Scan# 718
 Delta R.T. 0.010 min
 Lab File: VL042519.D
 Acq: 07 May 2025 15:37

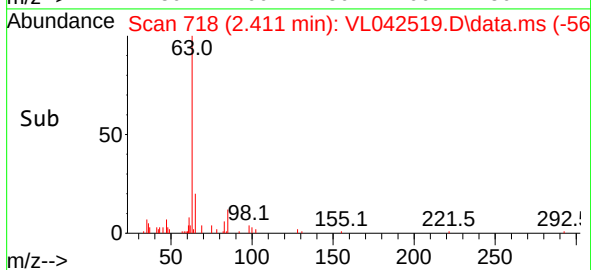
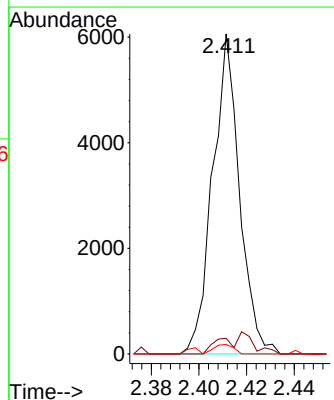
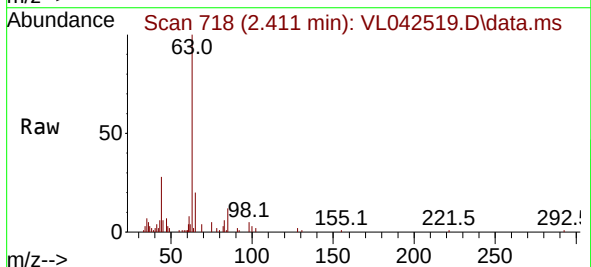
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL2 0.40

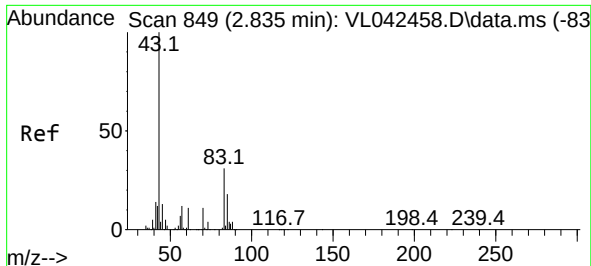
Tgt Ion: 43	Resp: 5520
Ion Ratio	Lower Upper
43 100	
86 10.5	5.5 8.3#
42 17.6	8.3 12.5#
44 21.8	4.6 7.0#



#24
 1,1-Dichloroethane
 Concen: 0.474 ppbv
 RT: 2.411 min Scan# 718
 Delta R.T. 0.003 min
 Lab File: VL042519.D
 Acq: 07 May 2025 15:37

Tgt Ion: 63	Resp: 4741
Ion Ratio	Lower Upper
63 100	
98 4.9	1.8 5.5
100 3.0	1.4 4.2





#25

Ethyl Acetate

Concen: 0.228 ppbv

RT: 2.845 min Scan# 81

Delta R.T. 0.010 min

Lab File: VL042519.D

Acq: 07 May 2025 15:37

Instrument :

MSVOA_L

ClientSampleId :

MDL2 0.40

Tgt Ion: 43 Resp: 4908

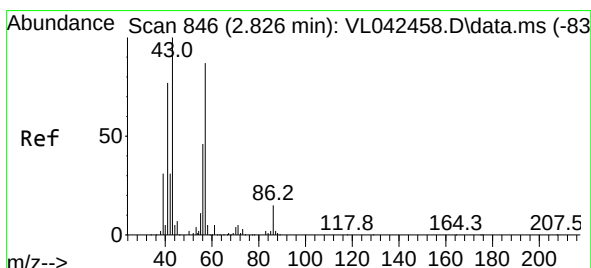
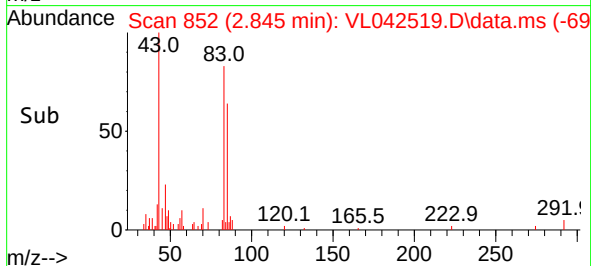
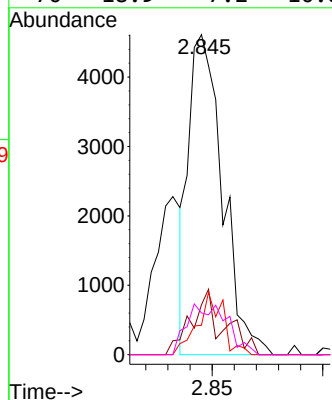
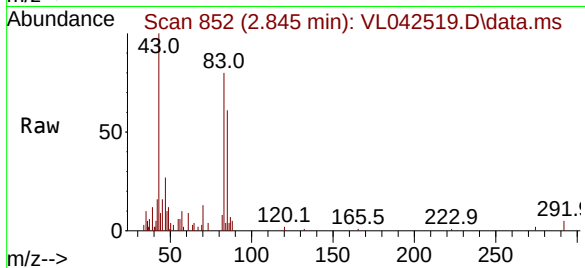
Ion Ratio Lower Upper

43 100

45 19.3 7.8 11.6#

61 14.7 7.2 10.8#

70 18.9 7.2 10.8#



#26

Hexane

Concen: 0.047 ppbv

RT: 2.839 min Scan# 850

Delta R.T. 0.013 min

Lab File: VL042519.D

Acq: 07 May 2025 15:37

Tgt Ion: 57 Resp: 445

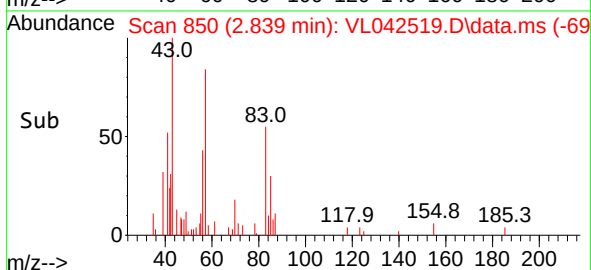
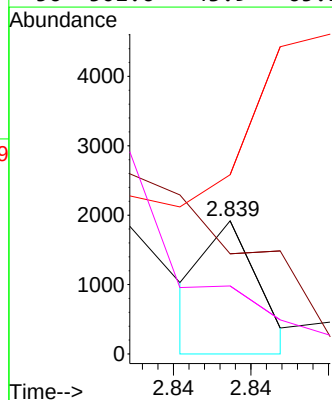
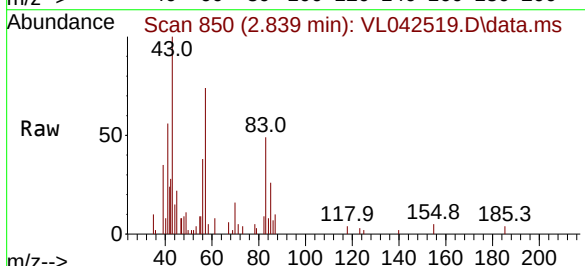
Ion Ratio Lower Upper

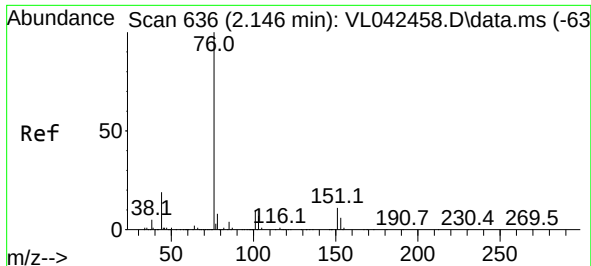
57 100

41 746.5 77.8 116.8#

43 0.0 187.0 280.6#

56 501.6 43.9 65.9#





#27

Carbon Disulfide

Concen: 0.428 ppbv

RT: 2.152 min Scan# 61

Delta R.T. 0.006 min

Lab File: VL042519.D

Acq: 07 May 2025 15:37

Instrument :

MSVOA_L

ClientSampleId :

MDL2 0.40

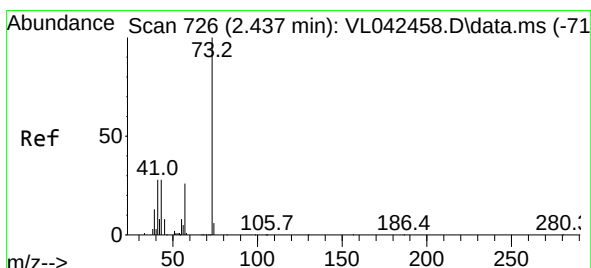
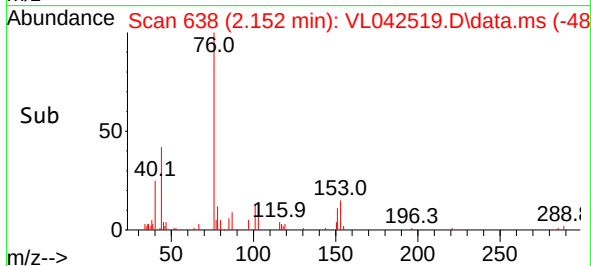
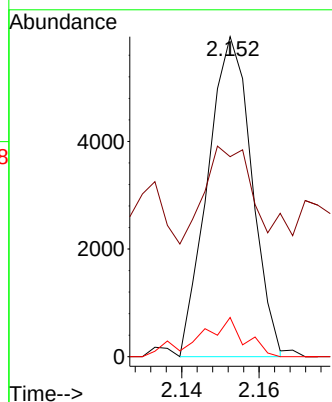
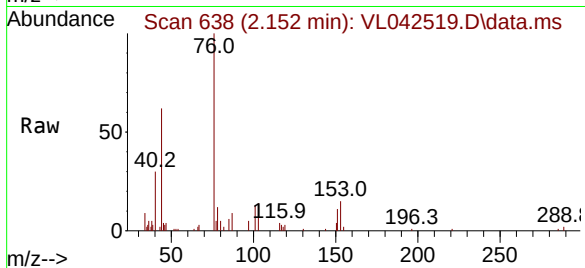
Tgt Ion: 76 Resp: 4689

Ion Ratio Lower Upper

76 100

44 153.8 21.0 31.6#

78 12.7 8.6 13.0



#28

Methyl tert-Butyl Ether

Concen: 0.369 ppbv

RT: 2.444 min Scan# 728

Delta R.T. 0.006 min

Lab File: VL042519.D

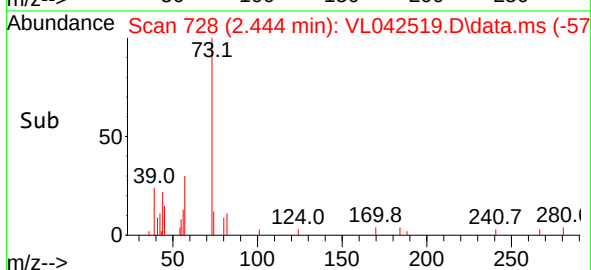
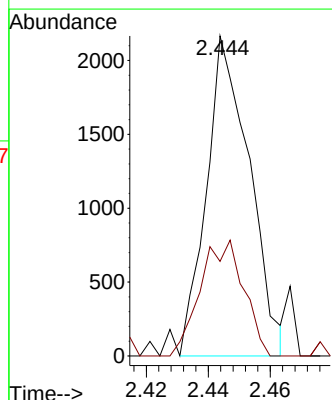
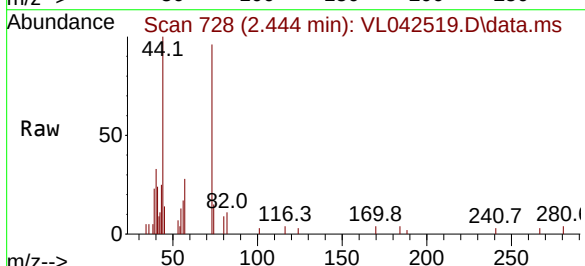
Acq: 07 May 2025 15:37

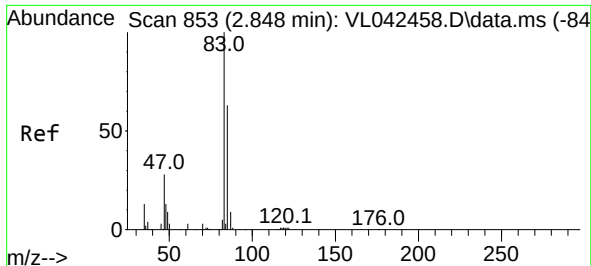
Tgt Ion: 73 Resp: 2085

Ion Ratio Lower Upper

73 100

57 41.7 19.9 29.9#





#29

Chloroform

Concen: 0.498 ppbv

RT: 2.855 min Scan# 8

Delta R.T. 0.006 min

Lab File: VL042519.D

Acq: 07 May 2025 15:37

Instrument :

MSVOA_L

ClientSampleId :

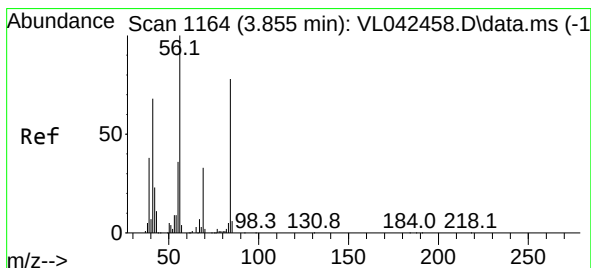
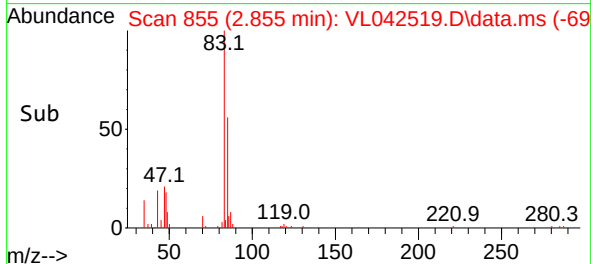
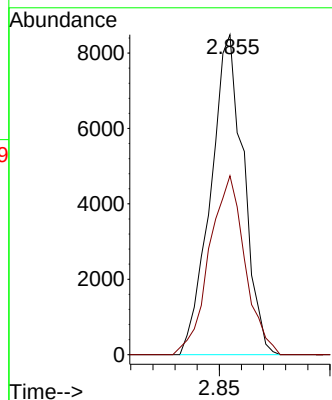
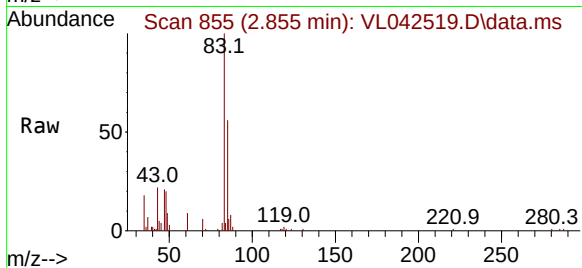
MDL2 0.40

Tgt Ion: 83 Resp: 8773

Ion Ratio Lower Upper

83 100

85 55.9 50.4 75.6



#30

Cyclohexane

Concen: 0.209 ppbv

RT: 3.868 min Scan# 1168

Delta R.T. 0.013 min

Lab File: VL042519.D

Acq: 07 May 2025 15:37

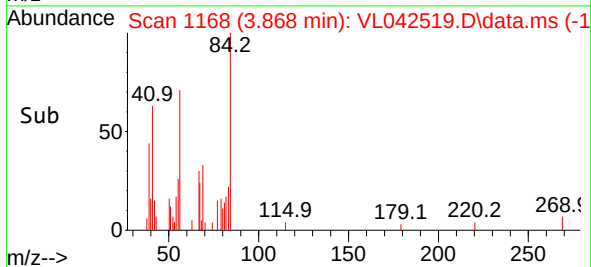
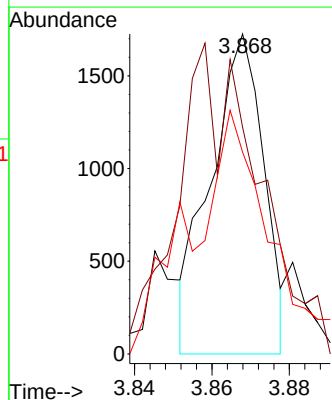
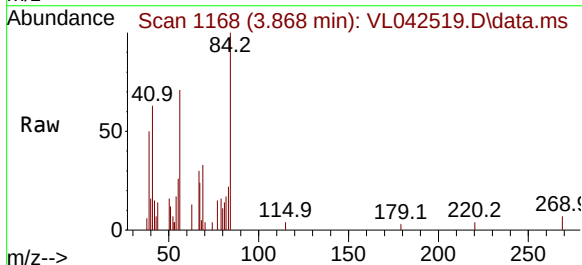
Tgt Ion: 84 Resp: 1642

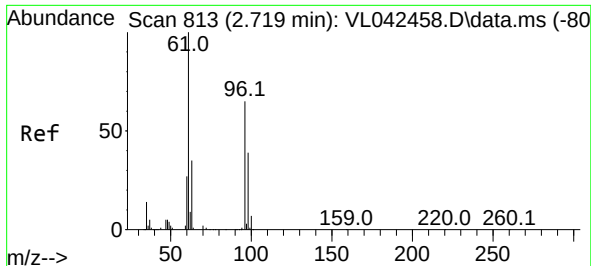
Ion Ratio Lower Upper

84 100

56 148.1 98.1 147.1#

41 122.7 65.8 98.8#

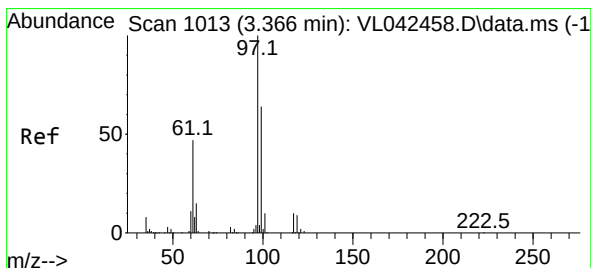
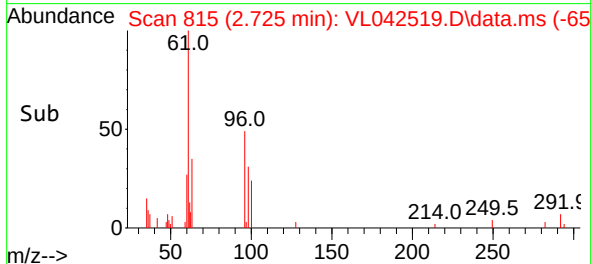
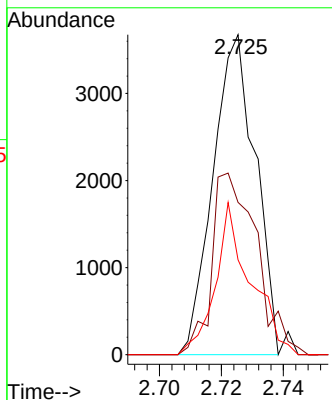
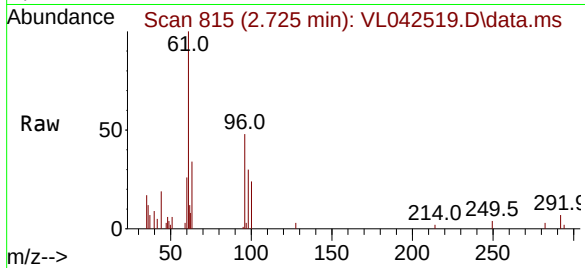




#31
 cis-1,2-Dichloroethene
 Concen: 0.319 ppbv
 RT: 2.725 min Scan# 813
 Delta R.T. 0.006 min
 Lab File: VL042519.D
 Acq: 07 May 2025 15:37

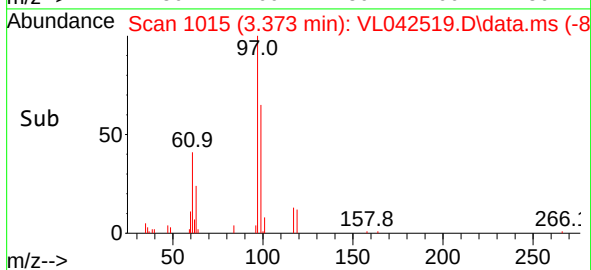
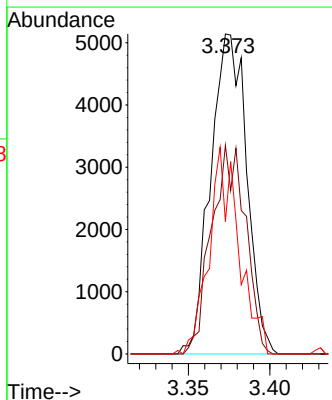
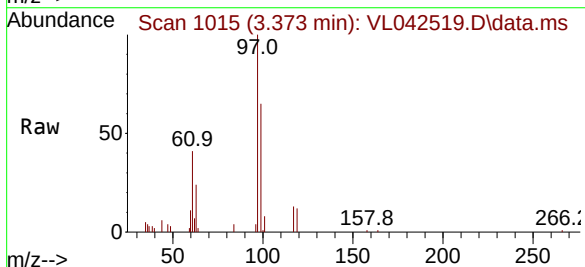
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL2 0.40

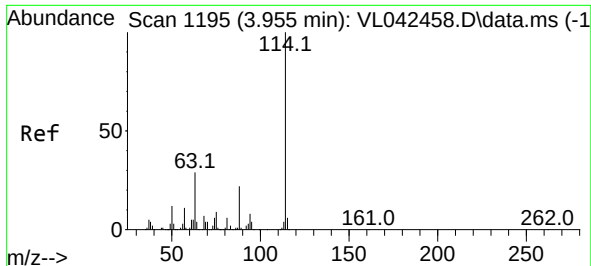
Tgt Ion: 61 Resp: 3497
 Ion Ratio Lower Upper
 61 100
 96 42.3 52.0 78.0#
 98 26.4 31.0 46.6#



#32
 1,1,1-Trichloroethane
 Concen: 0.413 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. 0.006 min
 Lab File: VL042519.D
 Acq: 07 May 2025 15:37

Tgt Ion: 97 Resp: 7886
 Ion Ratio Lower Upper
 97 100
 99 61.4 50.7 76.1
 61 53.5 40.9 61.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. 0.013 min

Lab File: VL042519.D

Acq: 07 May 2025 15:37

Instrument :

MSVOA_L

ClientSampleId :

MDL2 0.40

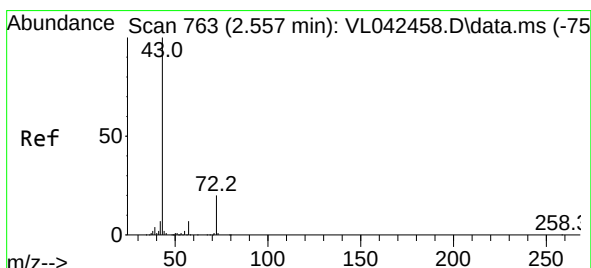
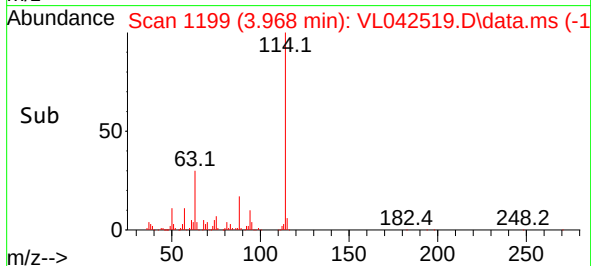
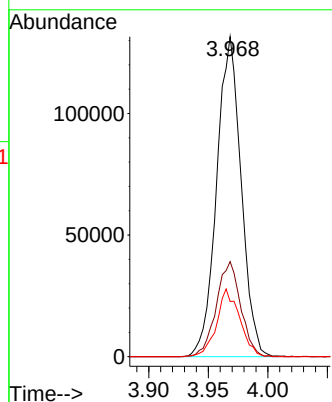
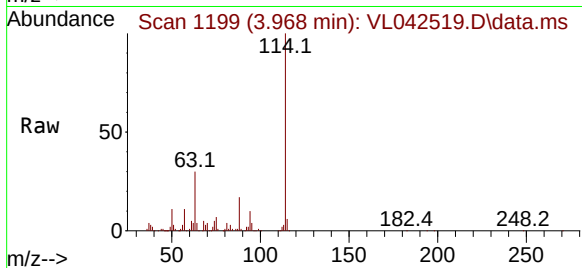
Tgt Ion:114 Resp: 187670

Ion Ratio Lower Upper

114 100

63 29.8 23.1 34.7

88 20.0 16.1 24.1



#34

2-Butanone

Concen: 0.451 ppbv

RT: 2.567 min Scan# 766

Delta R.T. 0.010 min

Lab File: VL042519.D

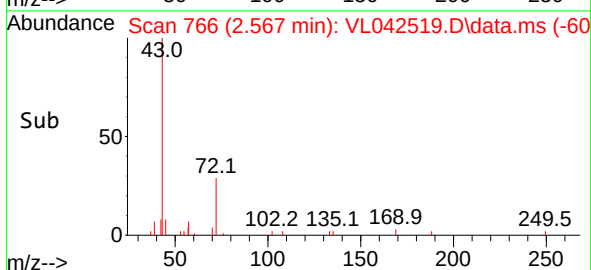
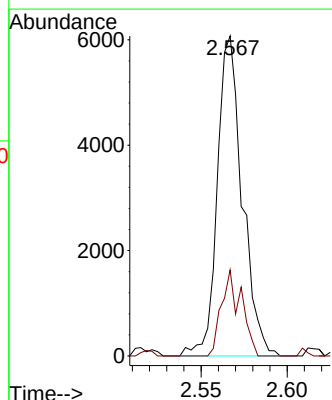
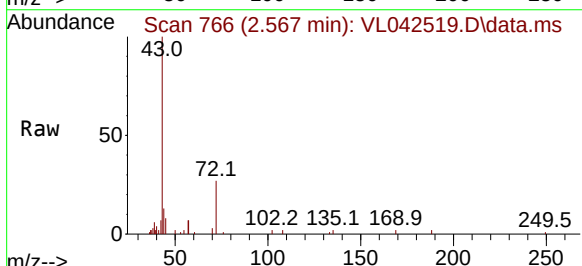
Acq: 07 May 2025 15:37

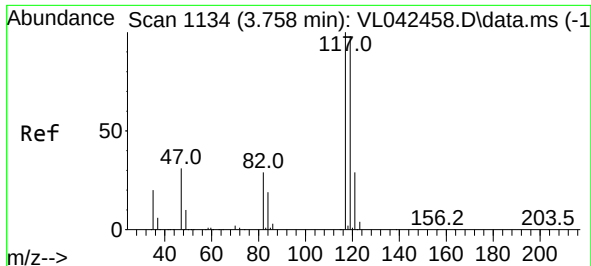
Tgt Ion: 43 Resp: 6121

Ion Ratio Lower Upper

43 100

72 21.5 16.7 25.1

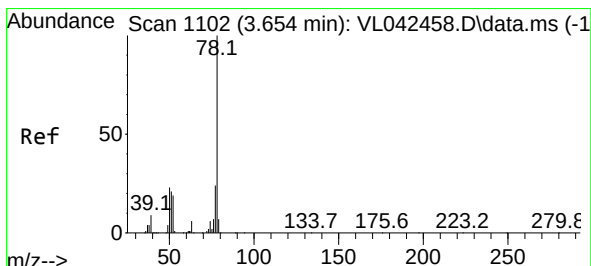
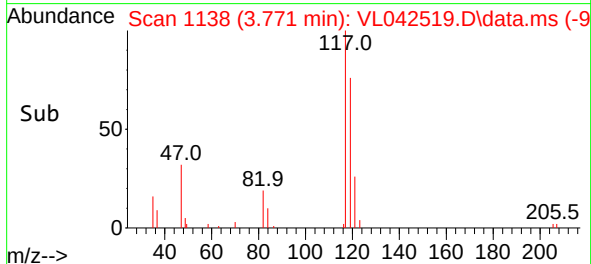
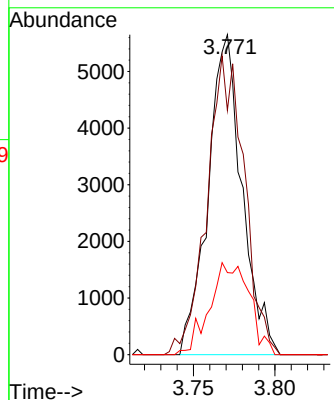
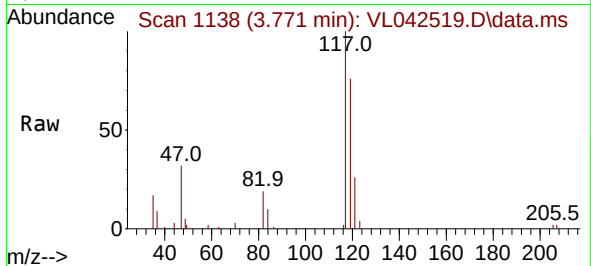




#35
Carbon Tetrachloride
Concen: 0.481 ppbv
RT: 3.771 min Scan# 1138
Delta R.T. 0.013 min
Lab File: VL042519.D
Acq: 07 May 2025 15:37

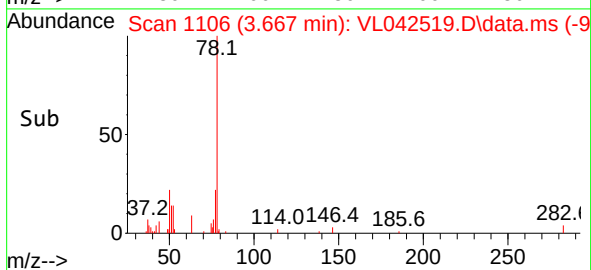
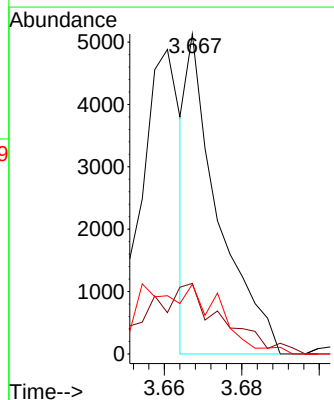
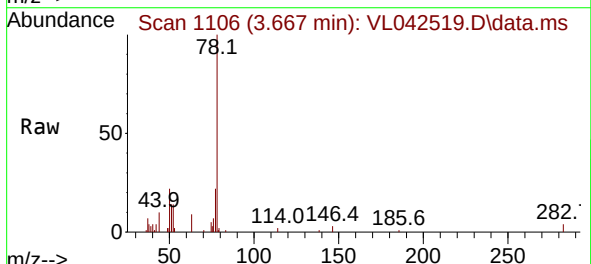
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.40

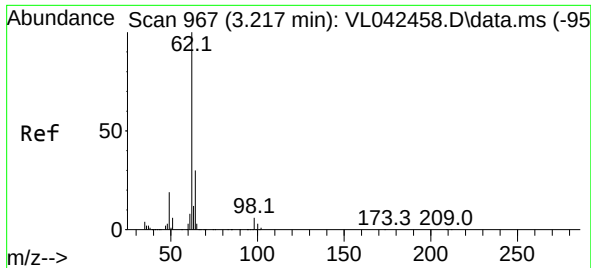
Tgt Ion: 117 Resp: 8199
Ion Ratio Lower Upper
117 100
119 76.3 78.1 117.1#
121 25.7 23.0 34.6



#36
Benzene
Concen: 0.162 ppbv
RT: 3.667 min Scan# 1106
Delta R.T. 0.013 min
Lab File: VL042519.D
Acq: 07 May 2025 15:37

Tgt Ion: 78 Resp: 2868
Ion Ratio Lower Upper
78 100
77 18.7 18.9 28.3#
50 19.7 18.4 27.6

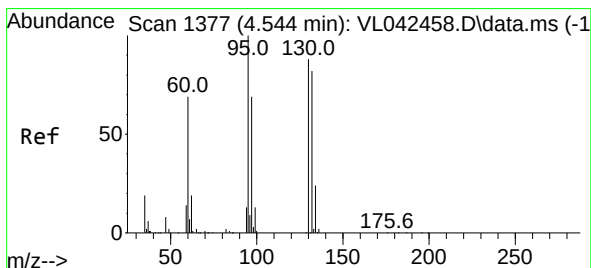
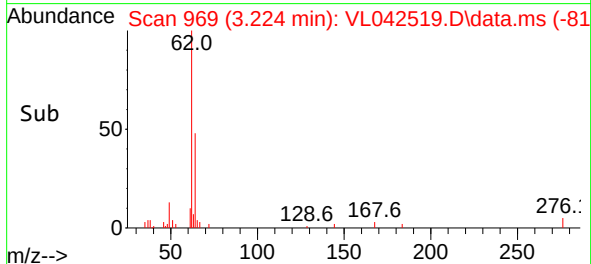
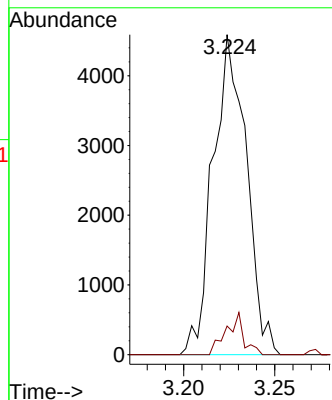
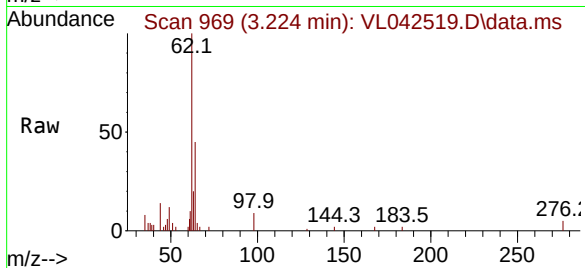




#37
1,2-Dichloroethane
Concen: 0.429 ppbv
RT: 3.224 min Scan# 90
Delta R.T. 0.006 min
Lab File: VL042519.D
Acq: 07 May 2025 15:37

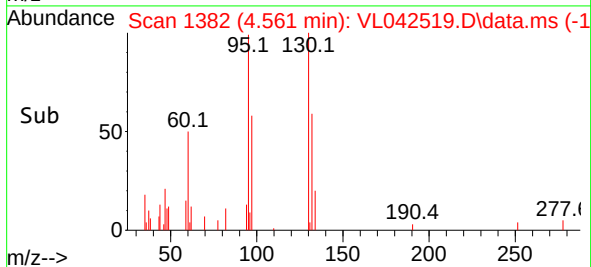
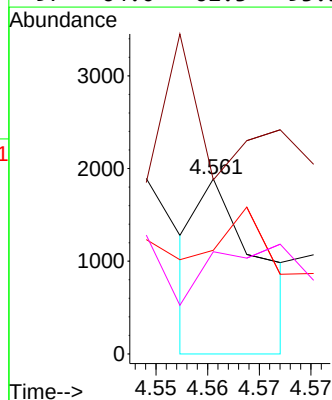
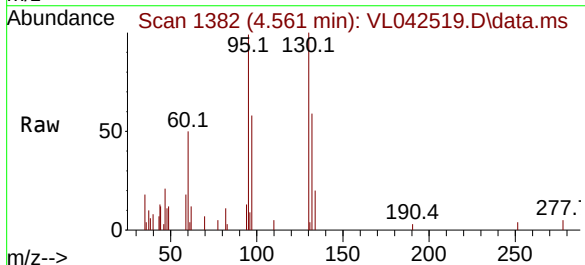
Instrument :
MSVOA_1
ClientSampleId :
MDL2 0.40

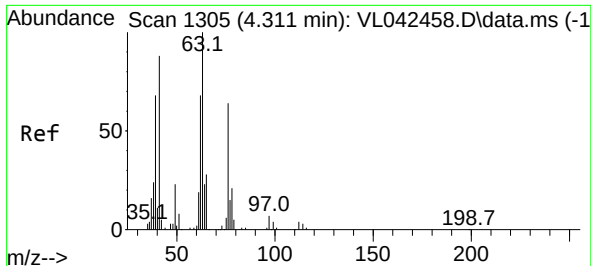
Tgt Ion: 62 Resp: 5858
Ion Ratio Lower Upper
62 100
98 6.9 4.3 6.5#



#38
Trichloroethene
Concen: 0.113 ppbv
RT: 4.561 min Scan# 1382
Delta R.T. 0.016 min
Lab File: VL042519.D
Acq: 07 May 2025 15:37

Tgt Ion:130 Resp: 766
Ion Ratio Lower Upper
130 100
95 0.0 91.0 136.4#
132 28.8 74.2 111.4#
97 64.0 62.3 93.5





#39

1,2-Dichloropropane

Concen: 0.141 ppbv

RT: 4.324 min Scan# 1309

Delta R.T. 0.013 min

Lab File: VL042519.D

Acq: 07 May 2025 15:37

Instrument :

MSVOA_L

ClientSampleId :

MDL2 0.40

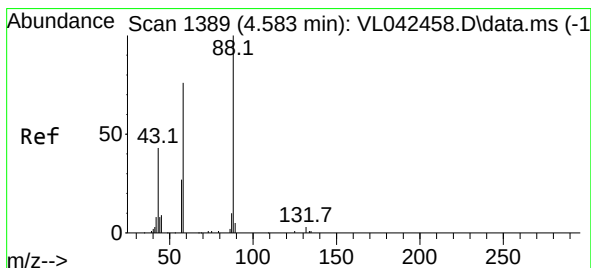
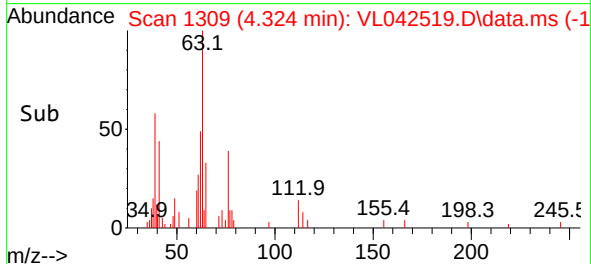
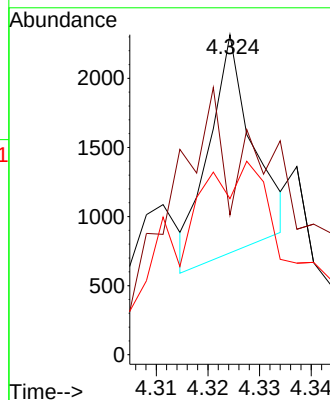
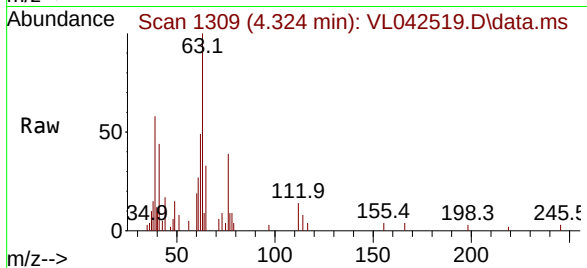
Tgt Ion: 63 Resp: 934

Ion Ratio Lower Upper

63 100

41 0.0 69.8 104.6#

62 34.3 54.3 81.5#



#40

1,4-Dioxane

Concen: 0.131 ppbv

RT: 4.612 min Scan# 1398

Delta R.T. 0.029 min

Lab File: VL042519.D

Acq: 07 May 2025 15:37

Tgt Ion: 88 Resp: 407

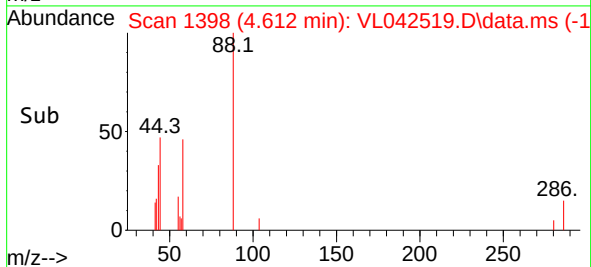
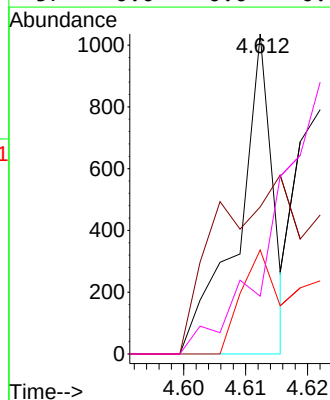
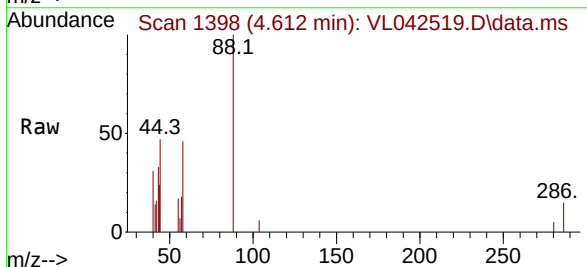
Ion Ratio Lower Upper

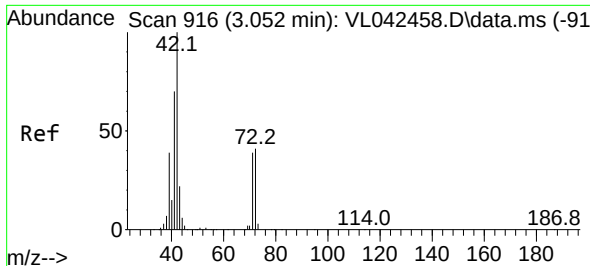
88 100

58 0.0 0.0 0.0

43 34.6 0.0 0.0#

57 0.0 0.0 0.0

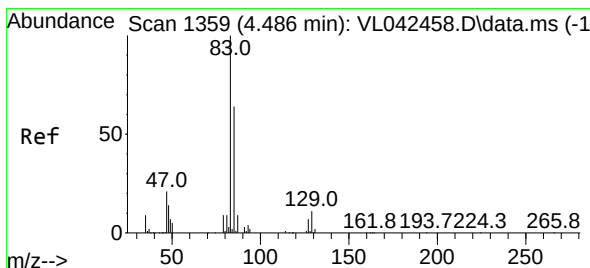
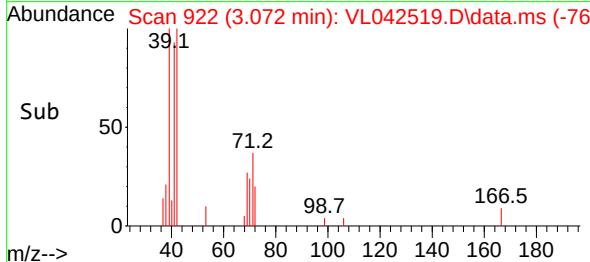
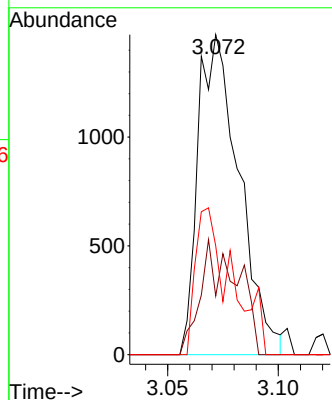
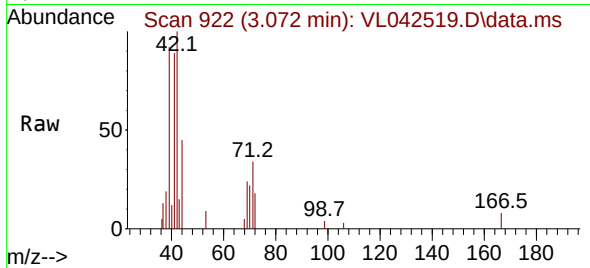




#41
Tetrahydrofuran
Concen: 0.294 ppbv
RT: 3.072 min Scan# 916
Delta R.T. 0.019 min
Lab File: VL042519.D
Acq: 07 May 2025 15:37

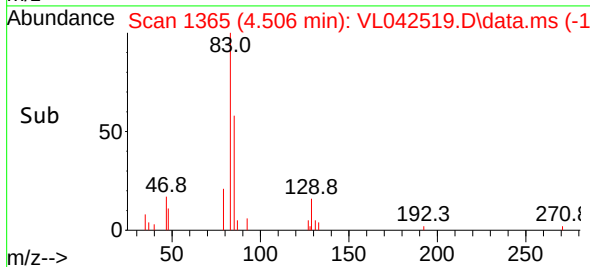
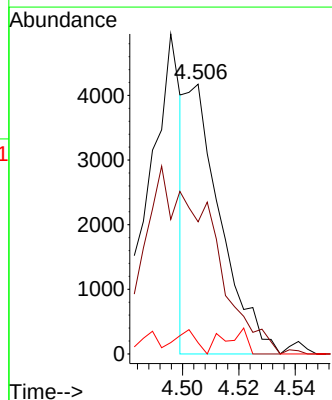
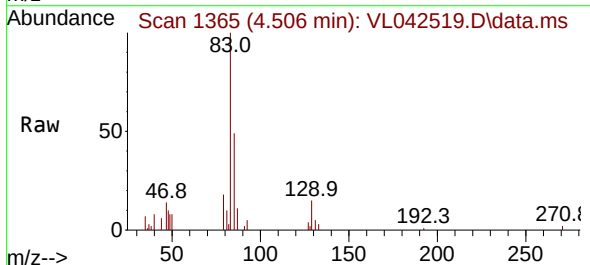
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.40

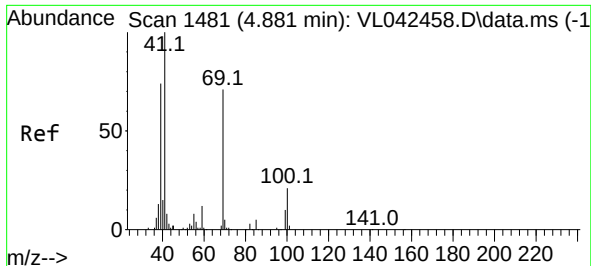
Tgt Ion: 42 Resp: 1896
Ion Ratio Lower Upper
42 100
72 31.9 33.5 50.3#
71 40.1 32.6 49.0



#42
Bromodichloromethane
Concen: 0.214 ppbv
RT: 4.506 min Scan# 1365
Delta R.T. 0.019 min
Lab File: VL042519.D
Acq: 07 May 2025 15:37

Tgt Ion: 83 Resp: 3571
Ion Ratio Lower Upper
83 100
85 49.0 51.5 77.3#
127 4.1 5.4 8.2#





#43

Methyl Methacrylate

Concen: 0.118 ppbv

RT: 4.897 min Scan# 1486

Delta R.T. 0.016 min

Lab File: VL042519.D

Acq: 07 May 2025 15:37

Instrument :

MSVOA_L

ClientSampleId :

MDL2 0.40

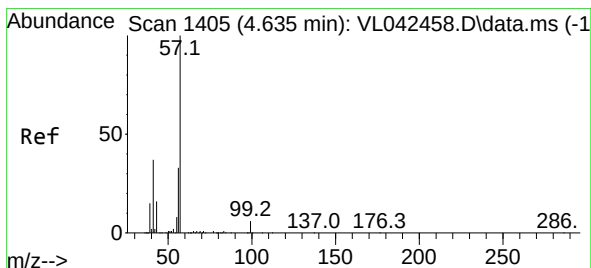
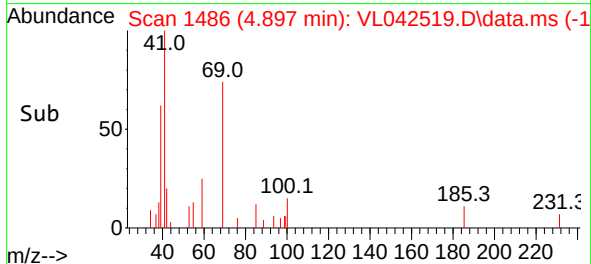
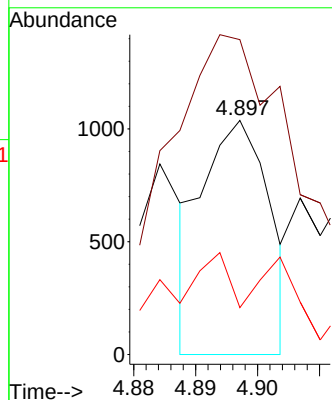
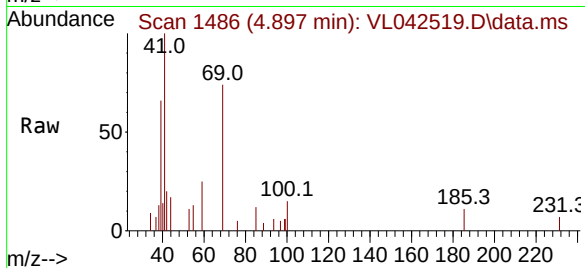
Tgt Ion: 69 Resp: 777

Ion Ratio Lower Upper

69 100

41 346.1 120.8 181.2#

100 95.0 26.7 40.1#



#44

2,2,4-Trimethylpentane

Concen: 0.157 ppbv

RT: 4.651 min Scan# 1410

Delta R.T. 0.016 min

Lab File: VL042519.D

Acq: 07 May 2025 15:37

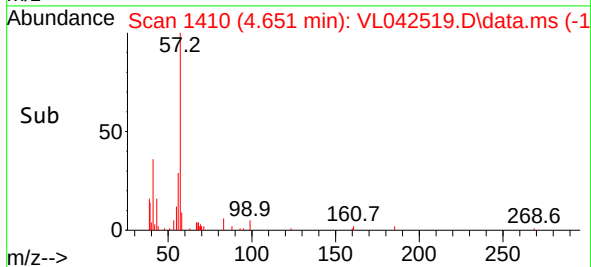
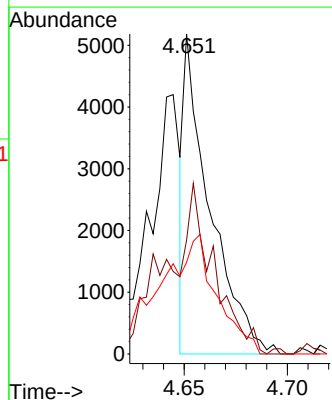
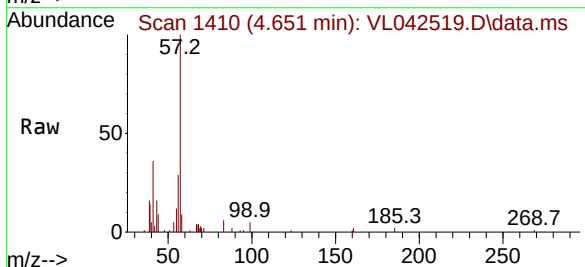
Tgt Ion: 57 Resp: 4511

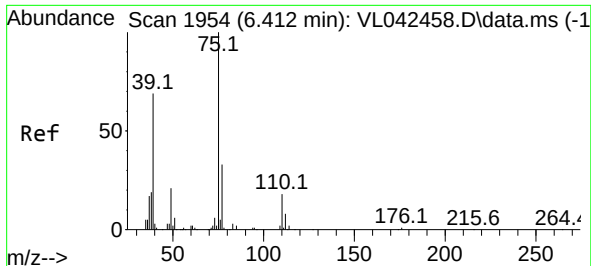
Ion Ratio Lower Upper

57 100

41 100.1 30.6 45.8#

56 83.3 25.0 37.6#





#45

t-1,3-Dichloropropene

Concen: 0.124 ppbv

RT: 6.435 min Scan# 1954

Delta R.T. 0.023 min

Lab File: VL042519.D

Acq: 07 May 2025 15:37

Instrument :

MSVOA_1

ClientSampleId :

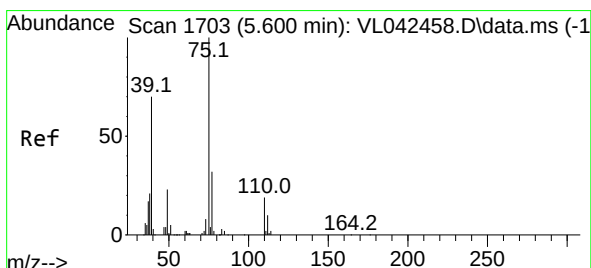
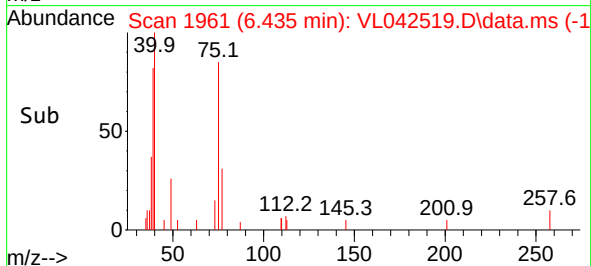
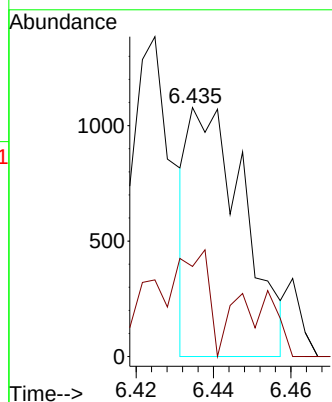
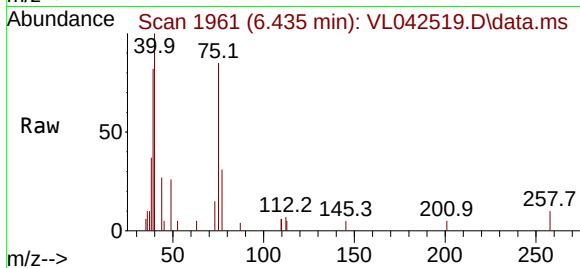
MDL2 0.40

Tgt Ion: 75 Resp: 1075

Ion Ratio Lower Upper

75 100

77 36.2 26.3 39.5



#46

cis-1,3-Dichloropropene

Concen: 0.067 ppbv

RT: 5.619 min Scan# 1709

Delta R.T. 0.019 min

Lab File: VL042519.D

Acq: 07 May 2025 15:37

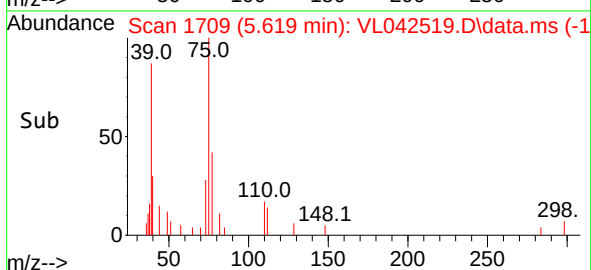
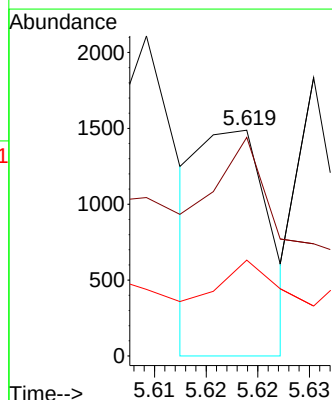
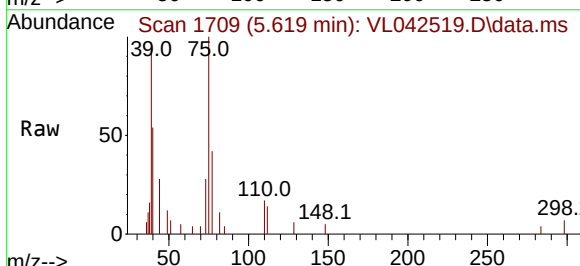
Tgt Ion: 75 Resp: 690

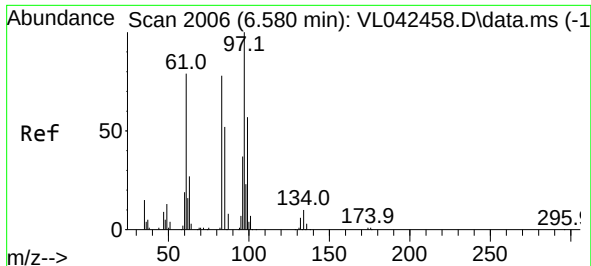
Ion Ratio Lower Upper

75 100

39 76.0 55.7 83.5

77 31.0 25.8 38.8





#47

1,1,2-Trichloroethane

Concen: 0.378 ppbv

RT: 6.596 min Scan# 2006

Delta R.T. 0.016 min

Lab File: VL042519.D

Acq: 07 May 2025 15:37

Instrument :

MSVOA_L

ClientSampleId :

MDL2 0.40

Tgt Ion: 97 Resp: 2748

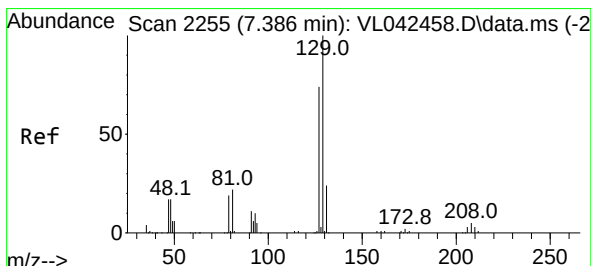
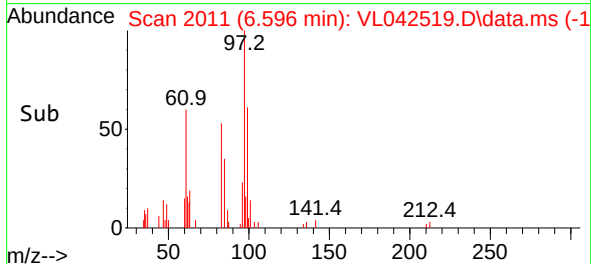
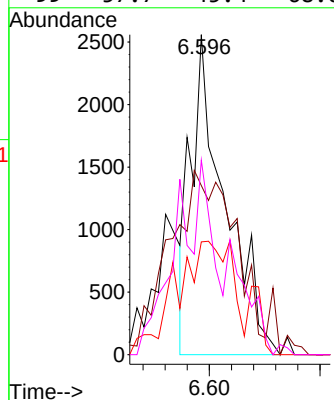
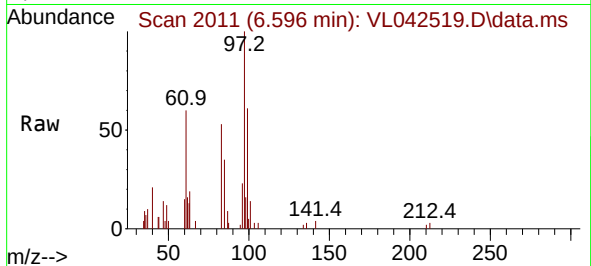
Ion Ratio Lower Upper

97 100

83 52.9 62.2 93.2#

85 35.2 41.5 62.3#

99 57.7 45.4 68.0



#48

Dibromochloromethane

Concen: 0.083 ppbv

RT: 7.415 min Scan# 2264

Delta R.T. 0.029 min

Lab File: VL042519.D

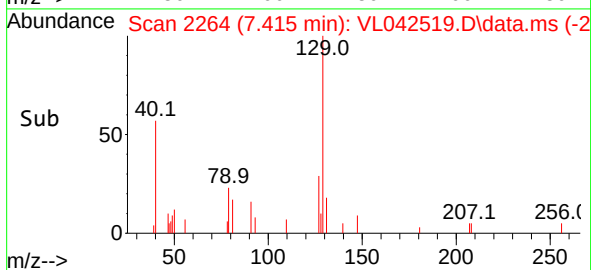
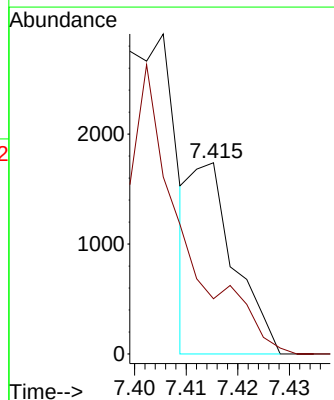
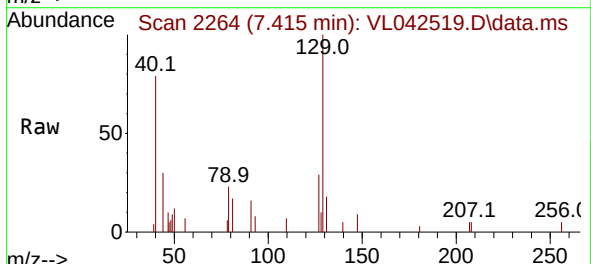
Acq: 07 May 2025 15:37

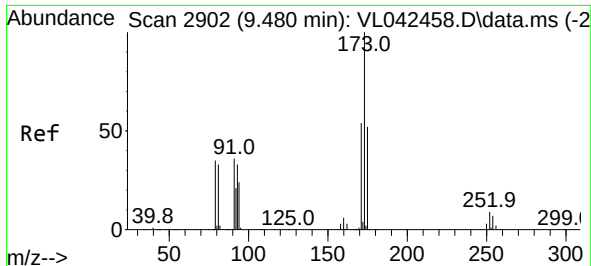
Tgt Ion: 129 Resp: 1017

Ion Ratio Lower Upper

129 100

127 0.0 39.5 118.5#





#49

Bromoform

Concen: 0.183 ppbv

RT: 9.493 min Scan# 2906

Delta R.T. 0.013 min

Lab File: VL042519.D

Acq: 07 May 2025 15:37

Instrument :

MSVOA_1

ClientSampleId :

MDL2 0.40

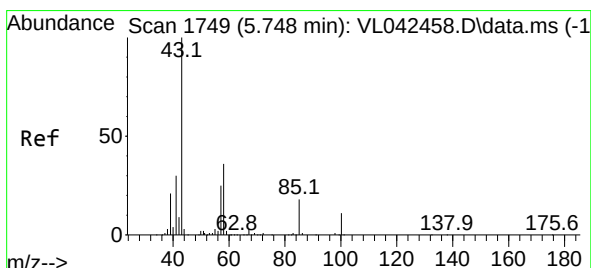
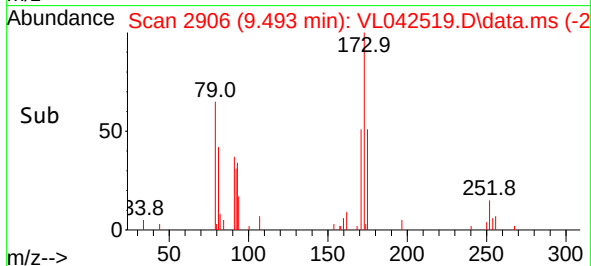
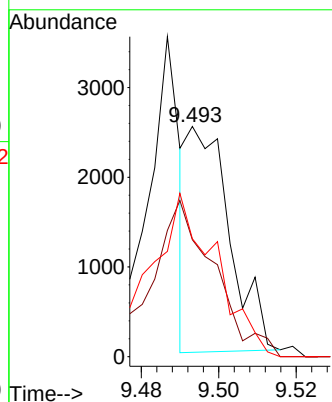
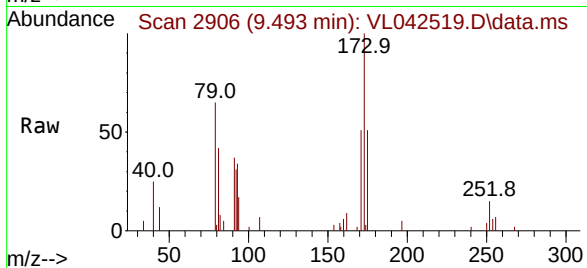
Tgt Ion:173 Resp: 1889

Ion Ratio Lower Upper

173 100

175 102.4 38.9 58.3#

171 118.1 40.6 60.8#



#50

4-Methyl-2-Pentanone

Concen: 0.081 ppbv

RT: 5.771 min Scan# 1756

Delta R.T. 0.023 min

Lab File: VL042519.D

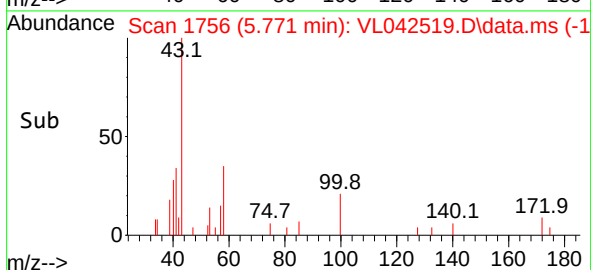
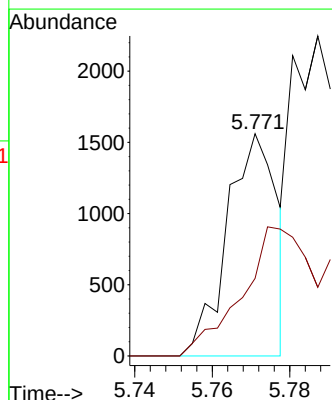
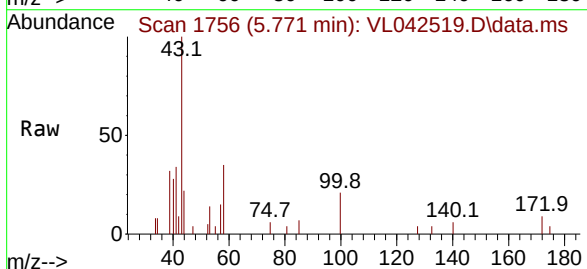
Acq: 07 May 2025 15:37

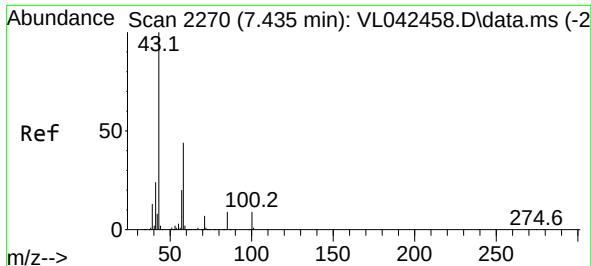
Tgt Ion: 43 Resp: 1390

Ion Ratio Lower Upper

43 100

58 0.0 29.5 44.3#

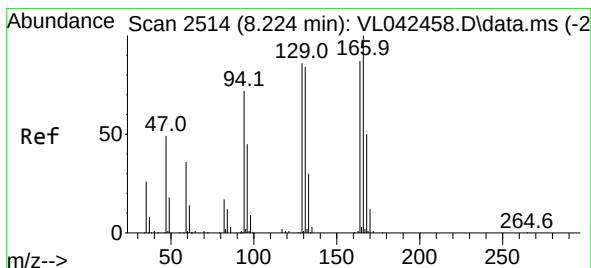
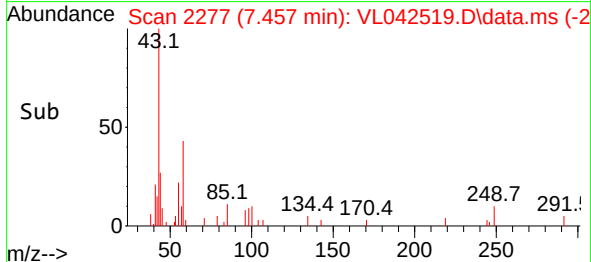
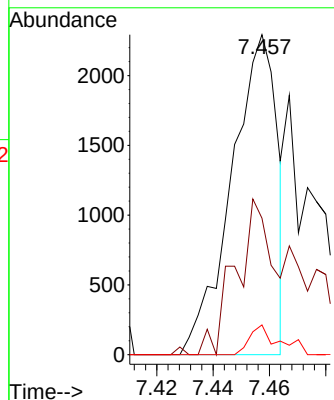
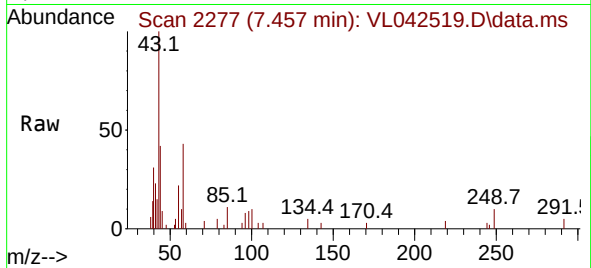




#51
2-Hexanone
Concen: 0.188 ppbv
RT: 7.457 min Scan# 21
Delta R.T. 0.023 min
Lab File: VL042519.D
Acq: 07 May 2025 15:37

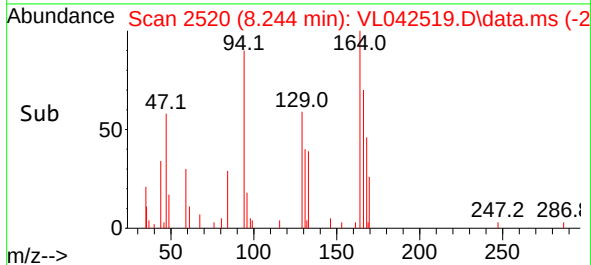
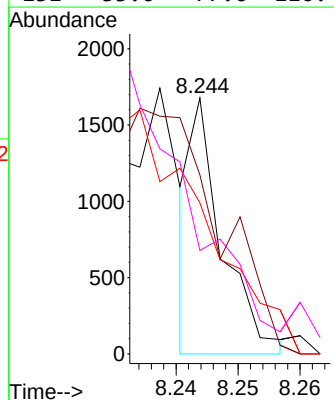
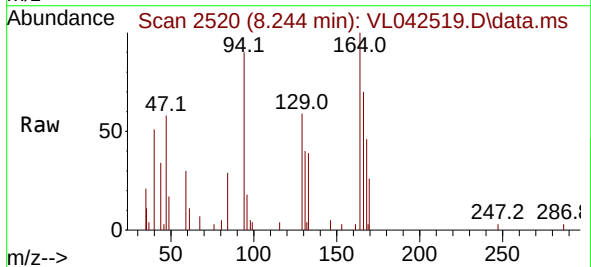
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.40

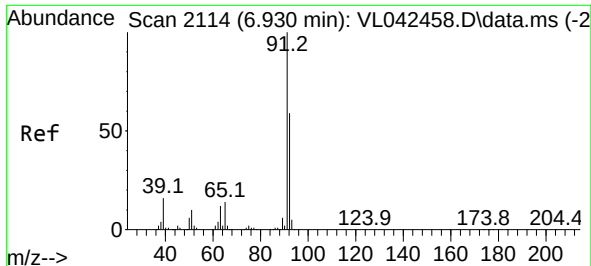
Tgt Ion: 43 Resp: 2584
Ion Ratio Lower Upper
43 100
58 66.7 37.2 55.8#
98 5.8 0.4 0.6#



#52
Tetrachloroethene
Concen: 0.087 ppbv
RT: 8.244 min Scan# 2520
Delta R.T. 0.019 min
Lab File: VL042519.D
Acq: 07 May 2025 15:37

Tgt Ion: 164 Resp: 588
Ion Ratio Lower Upper
164 100
166 70.4 91.6 137.4#
129 44.2 79.0 118.4#
131 33.6 77.6 116.4#

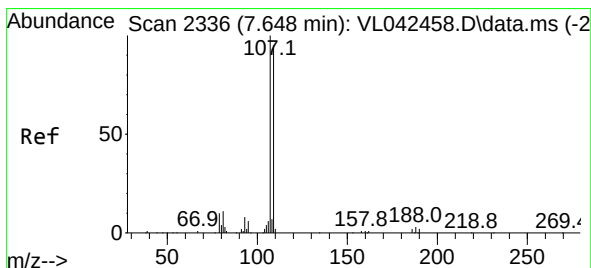
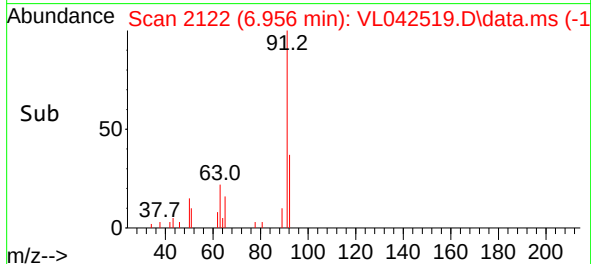
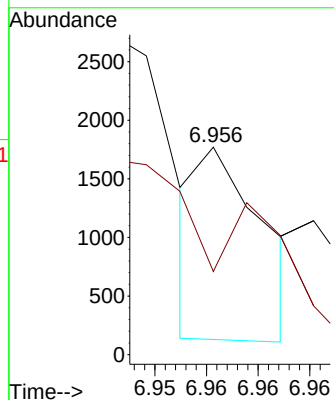
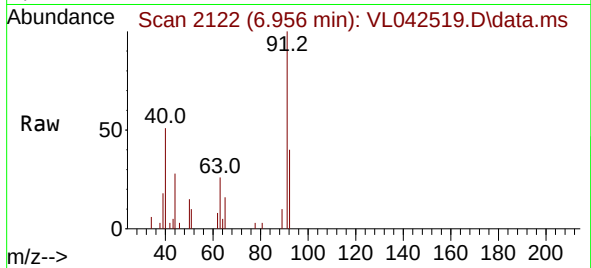




#53
Toluene
Concen: 0.038 ppbv
RT: 6.956 min Scan# 2114
Delta R.T. 0.026 min
Lab File: VL042519.D
Acq: 07 May 2025 15:37

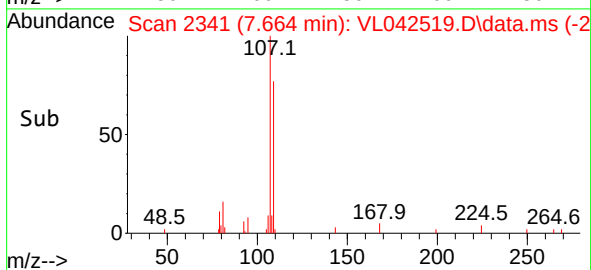
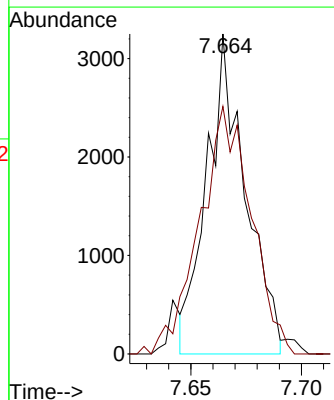
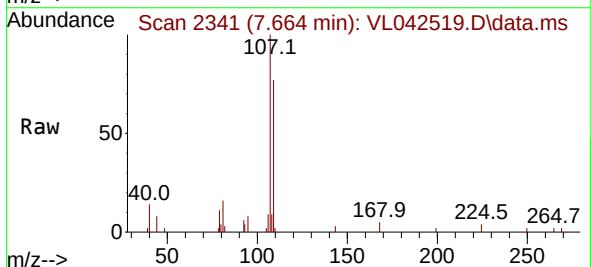
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.40

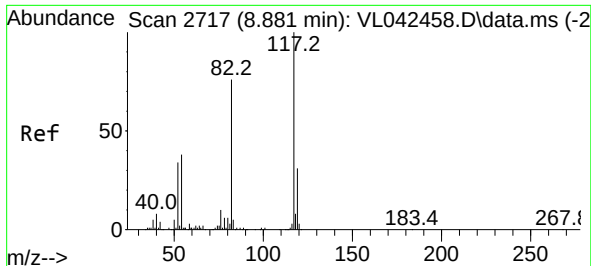
Tgt Ion: 91 Resp: 712
Ion Ratio Lower Upper
91 100
92 0.0 47.9 71.9#



#54
1,2-Dibromoethane
Concen: 0.354 ppbv
RT: 7.664 min Scan# 2341
Delta R.T. 0.016 min
Lab File: VL042519.D
Acq: 07 May 2025 15:37

Tgt Ion: 107 Resp: 3935
Ion Ratio Lower Upper
107 100
109 71.3 76.0 114.0#

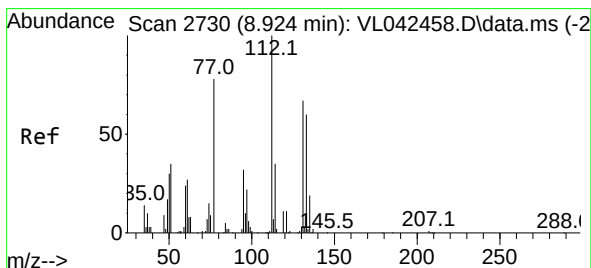
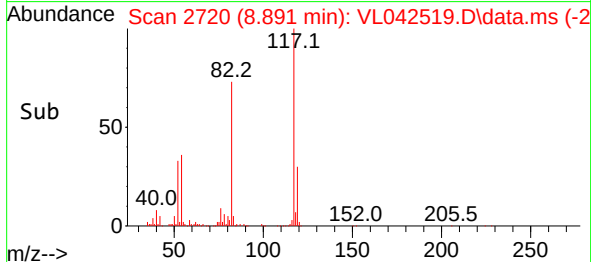
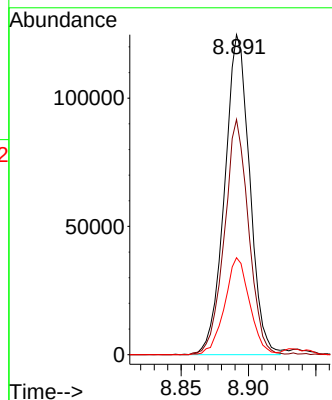
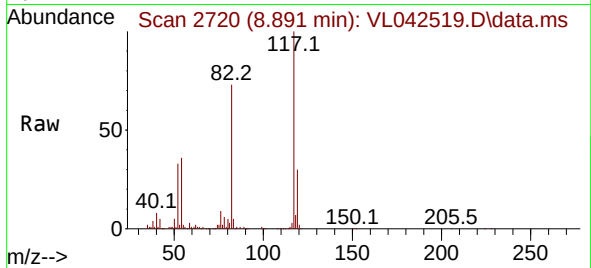




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 2717
Delta R.T. 0.010 min
Lab File: VL042519.D
Acq: 07 May 2025 15:37

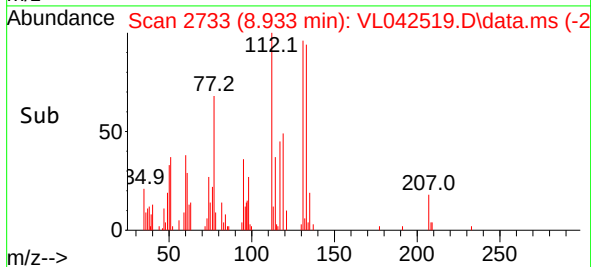
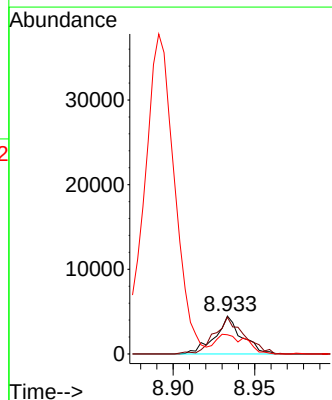
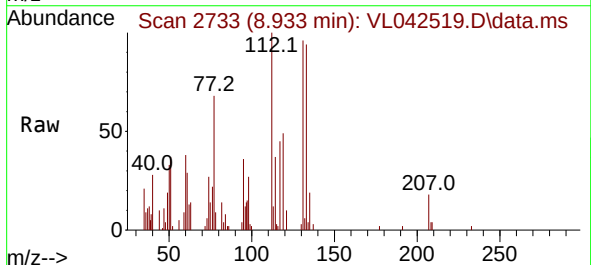
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.40

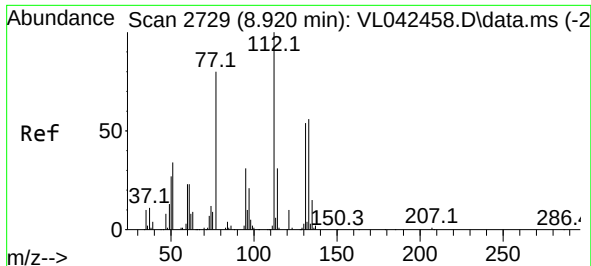
Tgt Ion:117 Resp: 161181
Ion Ratio Lower Upper
117 100
82 71.4 63.5 95.3
119 30.4 25.8 38.8



#56
1,1,1,2-Tetrachloroethane
Concen: 0.537 ppbv
RT: 8.933 min Scan# 2733
Delta R.T. 0.010 min
Lab File: VL042519.D
Acq: 07 May 2025 15:37

Tgt Ion:131 Resp: 5109
Ion Ratio Lower Upper
131 100
133 107.2 76.0 114.0
119 49.8 46.1 69.1

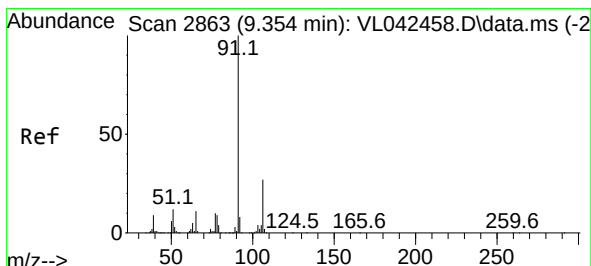
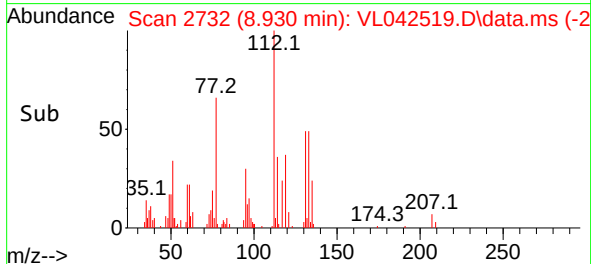
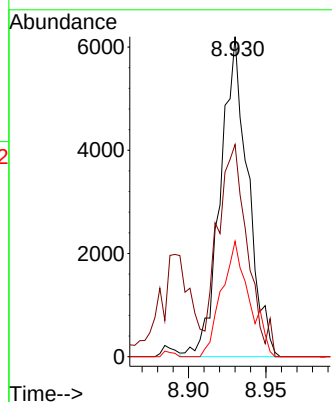
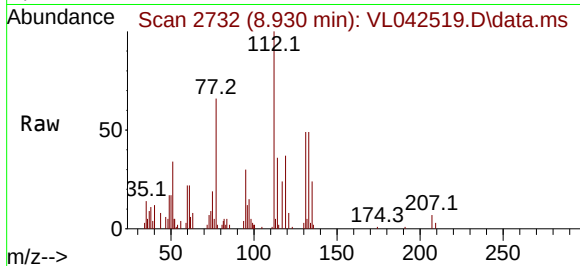




#57
Chlorobenzene
Concen: 0.474 ppbv
RT: 8.930 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL042519.D
Acq: 07 May 2025 15:37

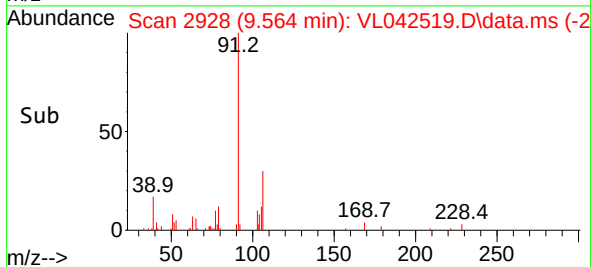
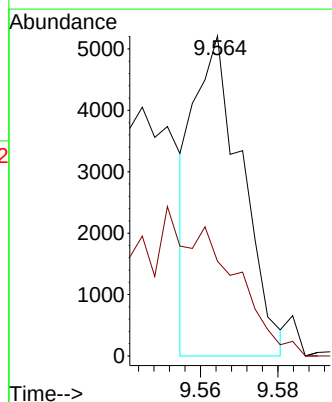
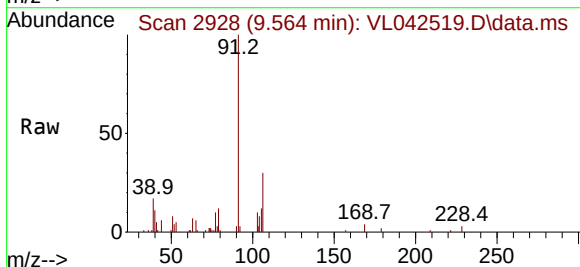
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.40

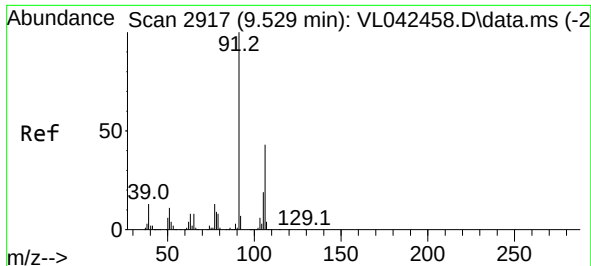
Tgt Ion:112 Resp: 7679
Ion Ratio Lower Upper
112 100
77 66.3 65.0 97.4
114 36.0 27.5 33.7#



#58
Ethyl Benzene
Concen: 0.169 ppbv
RT: 9.564 min Scan# 2928
Delta R.T. 0.210 min
Lab File: VL042519.D
Acq: 07 May 2025 15:37

Tgt Ion: 91 Resp: 4542
Ion Ratio Lower Upper
91 100
106 28.4 21.9 32.9





#59

m/p-Xylene

Concen: 0.169 ppbv

RT: 9.539 min Scan# 2917

Delta R.T. 0.010 min

Lab File: VL042519.D

Acq: 07 May 2025 15:37

Instrument :

MSVOA_L

ClientSampleId :

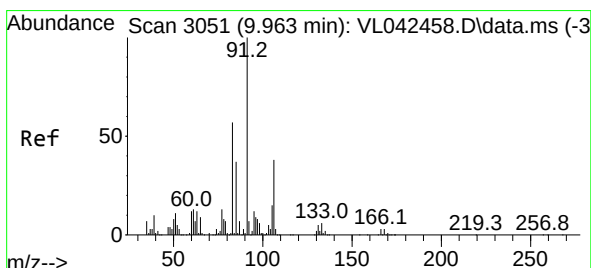
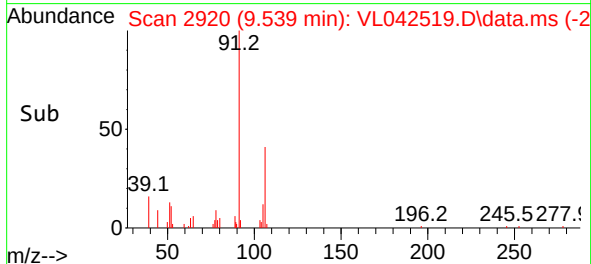
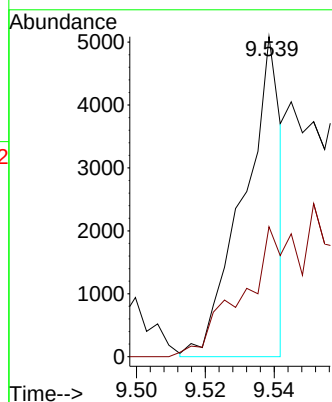
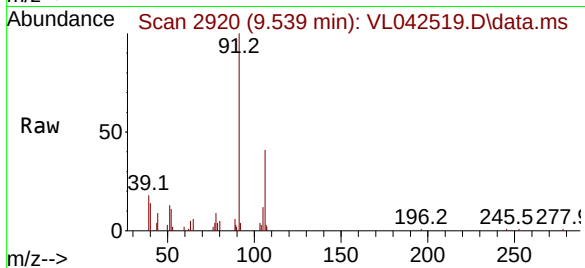
MDL2 0.40

Tgt Ion: 91 Resp: 3811

Ion Ratio Lower Upper

91 100

106 0.0 34.2 51.2#



#60

o-Xylene

Concen: 0.247 ppbv

RT: 9.975 min Scan# 3055

Delta R.T. 0.013 min

Lab File: VL042519.D

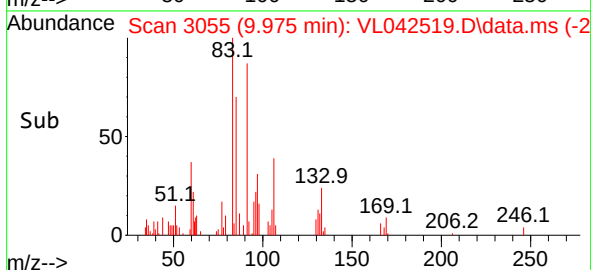
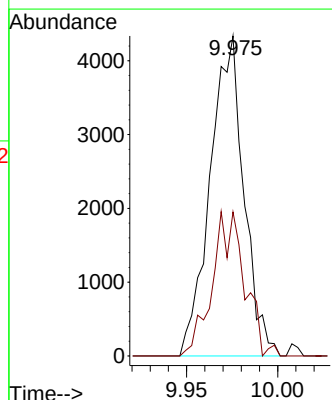
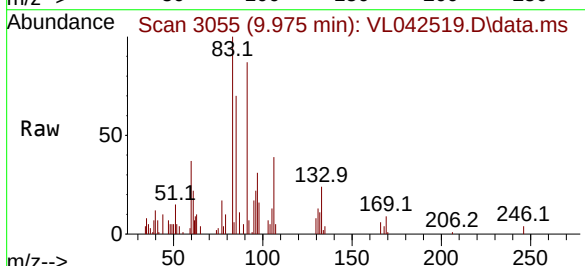
Acq: 07 May 2025 15:37

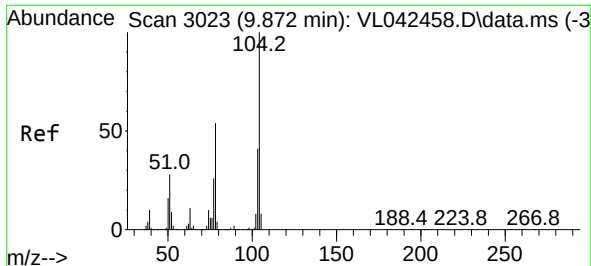
Tgt Ion: 91 Resp: 5583

Ion Ratio Lower Upper

91 100

106 43.3 20.1 60.2

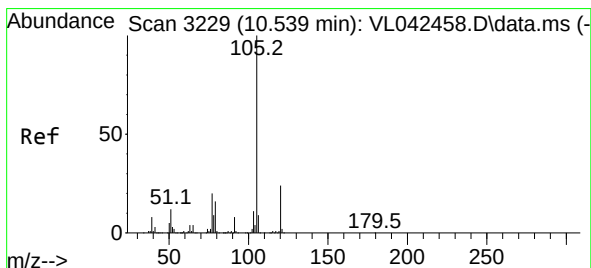
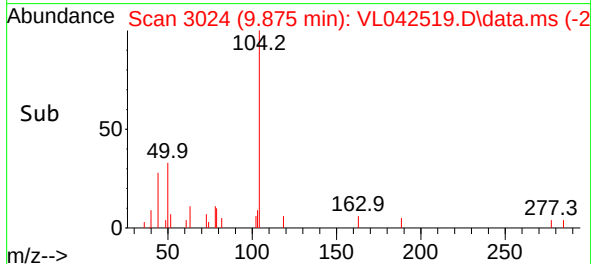
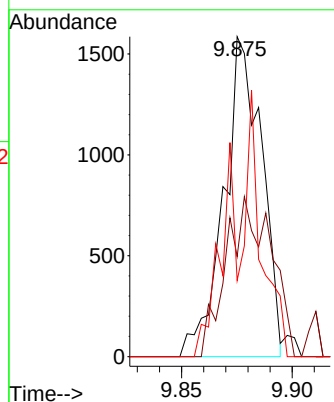
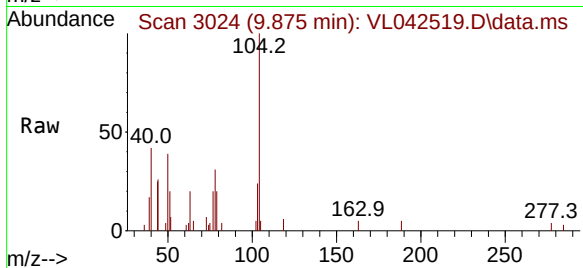




#61
Styrene
Concen: 0.222 ppbv
RT: 9.875 min Scan# 3023
Delta R.T. 0.003 min
Lab File: VL042519.D
Acq: 07 May 2025 15:37

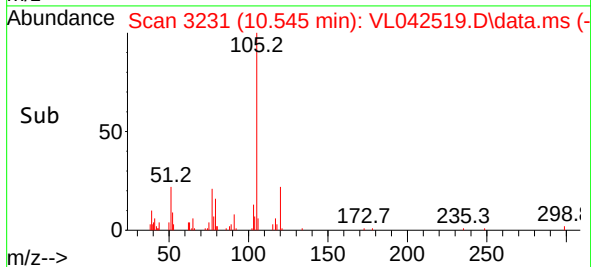
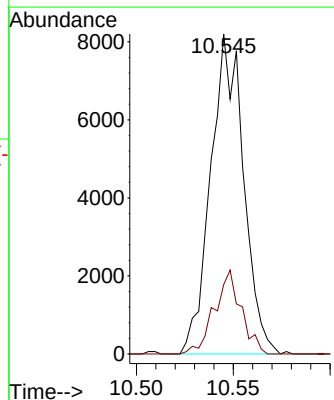
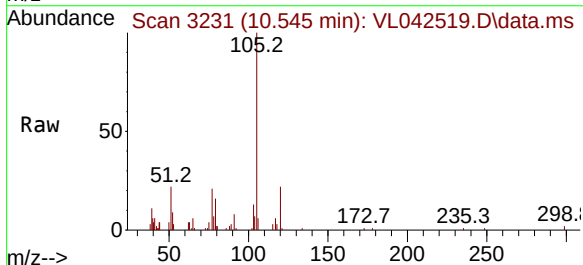
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.40

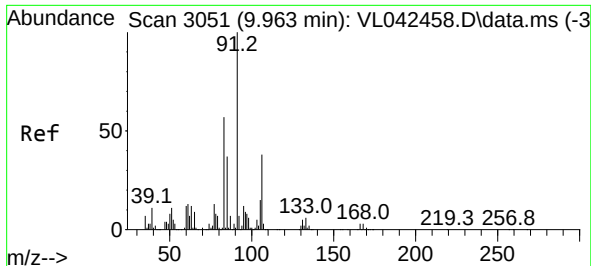
Tgt Ion:104 Resp: 1876
Ion Ratio Lower Upper
104 100
78 63.4 46.9 70.3
103 63.3 36.6 55.0#



#62
Isopropylbenzene
Concen: 0.296 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. 0.006 min
Lab File: VL042519.D
Acq: 07 May 2025 15:37

Tgt Ion:105 Resp: 9659
Ion Ratio Lower Upper
105 100
120 21.3 18.8 28.2





#63

1,1,2-Tetrachloroethane

Concen: 0.486 ppbv

RT: 9.972 min Scan# 3054

Delta R.T. 0.010 min

Lab File: VL042519.D

Acq: 07 May 2025 15:37

Instrument :

MSVOA_L

ClientSampleId :

MDL2 0.40

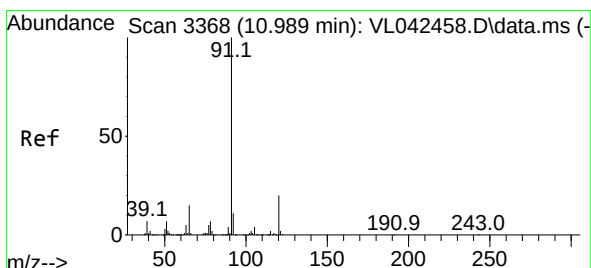
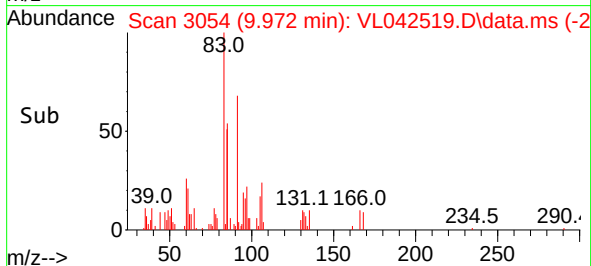
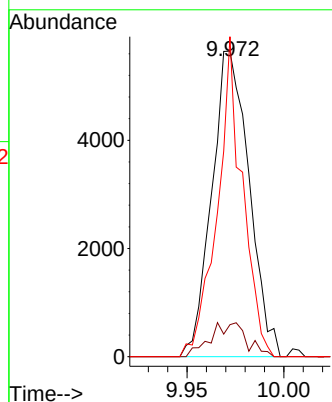
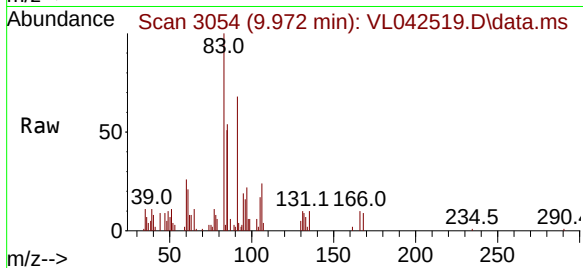
Tgt Ion: 83 Resp: 7570

Ion Ratio Lower Upper

83 100

131 10.8 4.7 14.1

85 70.7 32.5 97.4



#64

n-propylbenzene

Concen: 0.200 ppbv

RT: 11.001 min Scan# 3372

Delta R.T. 0.013 min

Lab File: VL042519.D

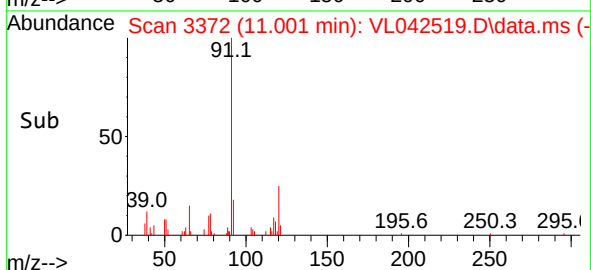
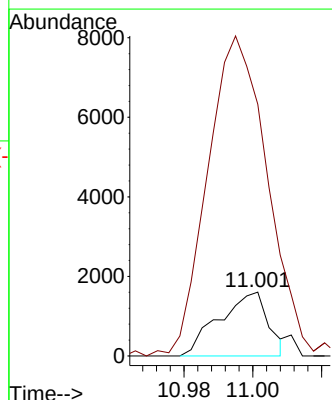
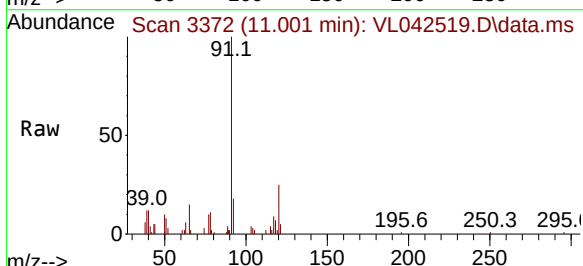
Acq: 07 May 2025 15:37

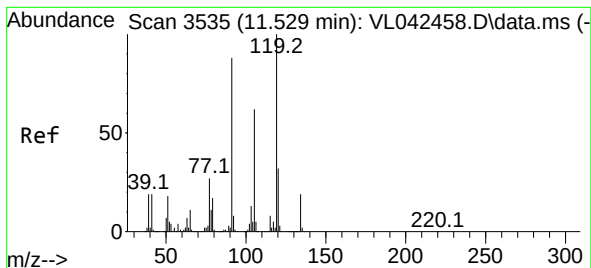
Tgt Ion: 120 Resp: 1593

Ion Ratio Lower Upper

120 100

91 617.4 408.6 612.8#





#65

tert-Butylbenzene

Concen: 0.257 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. 0.006 min

Lab File: VL042519.D

Acq: 07 May 2025 15:37

Instrument :

MSVOA_L

ClientSampleId :

MDL2 0.40

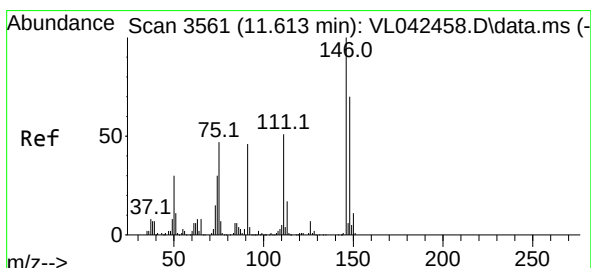
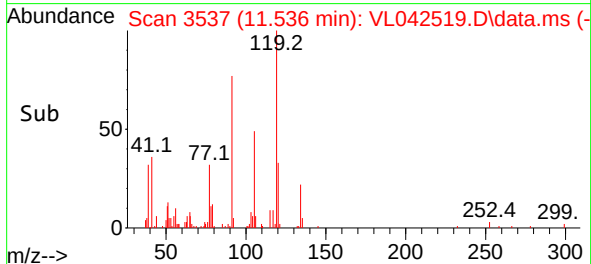
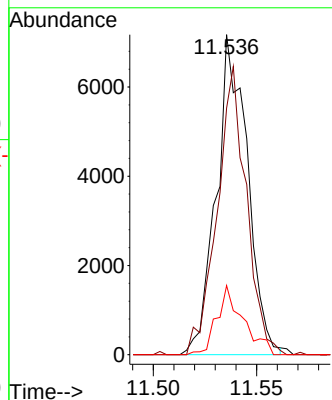
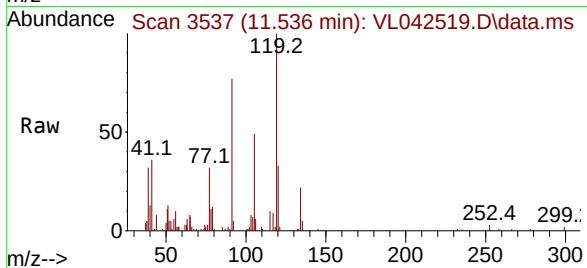
Tgt Ion:119 Resp: 7472

Ion Ratio Lower Upper

119 100

91 84.9 71.6 107.4

134 18.3 15.0 22.4



#66

Benzyl Chloride

Concen: 0.081 ppbv

RT: 11.629 min Scan# 3566

Delta R.T. 0.016 min

Lab File: VL042519.D

Acq: 07 May 2025 15:37

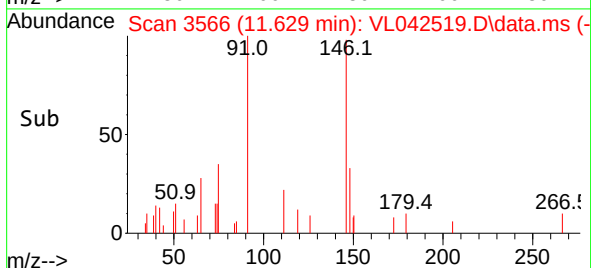
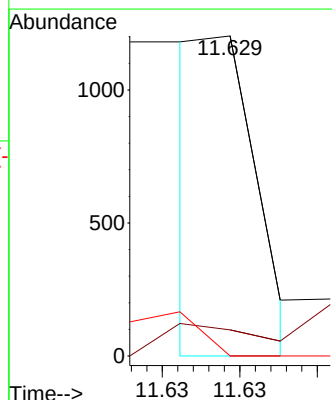
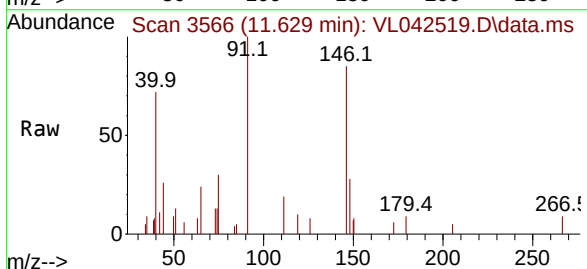
Tgt Ion: 91 Resp: 274

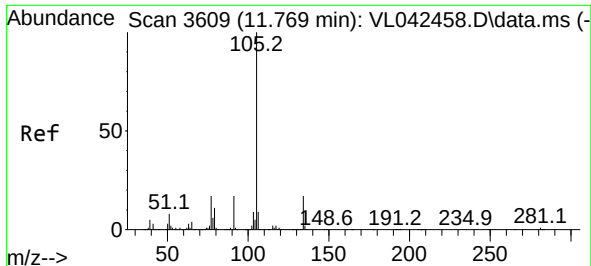
Ion Ratio Lower Upper

91 100

126 0.0 13.3 19.9#

128 0.0 4.2 6.4#





#67

sec-Butylbenzene

Concen: 0.269 ppbv

RT: 11.772 min Scan# 3182

Delta R.T. 0.003 min

Lab File: VL042519.D

Acq: 07 May 2025 15:37

Instrument :

MSVOA_L

ClientSampleId :

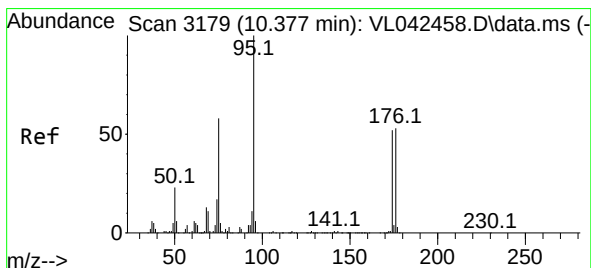
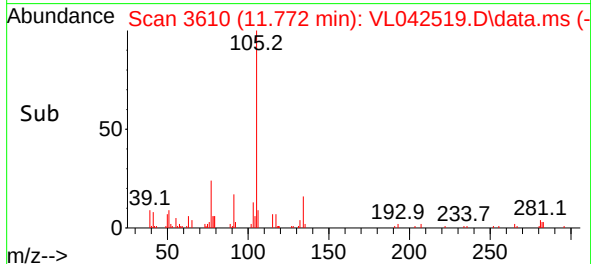
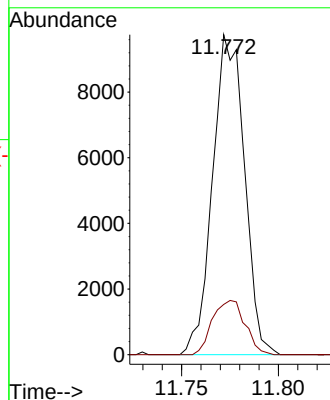
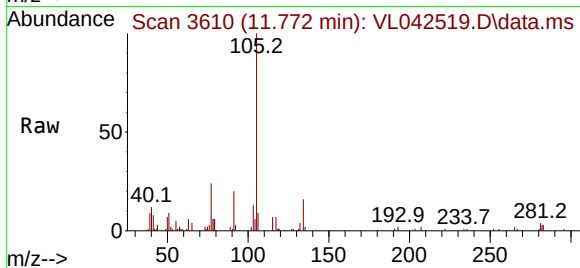
MDL2 0.40

Tgt Ion:105 Resp: 11135

Ion Ratio Lower Upper

105 100

134 17.4 14.1 21.1



#68

1-Bromo-4-Fluorobenzene

Concen: 9.701 ppbv

RT: 10.387 min Scan# 3182

Delta R.T. 0.010 min

Lab File: VL042519.D

Acq: 07 May 2025 15:37

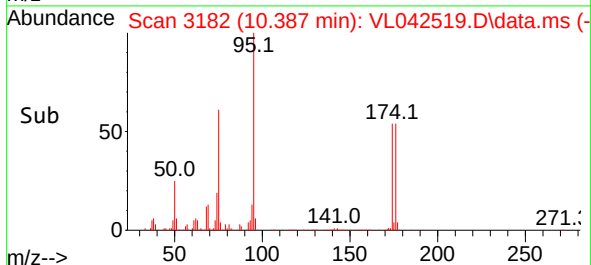
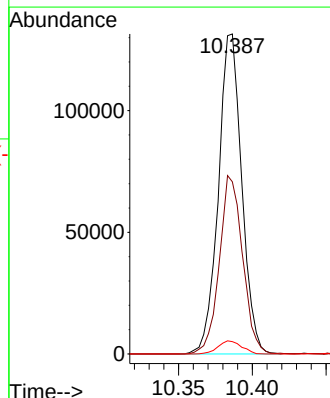
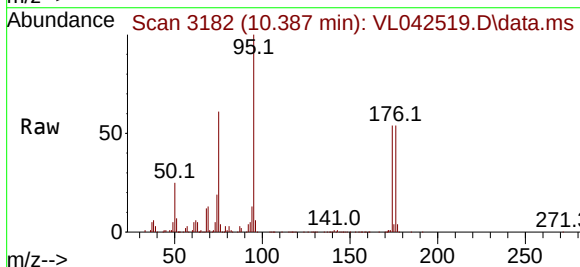
Tgt Ion: 95 Resp: 144968

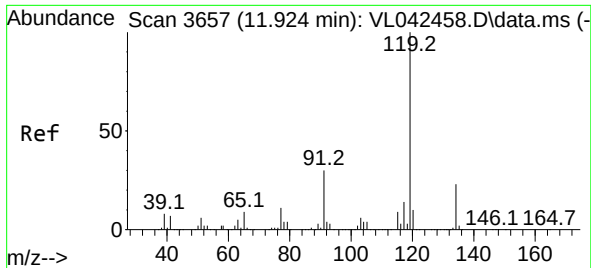
Ion Ratio Lower Upper

95 100

174 55.6 42.7 64.1

175 4.1 3.6 5.4

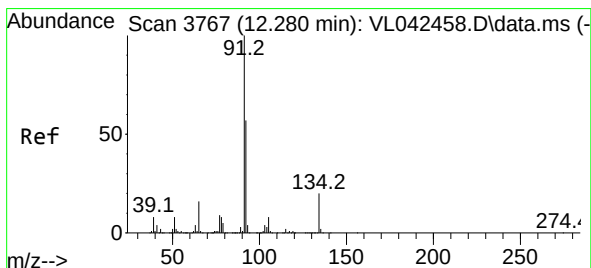
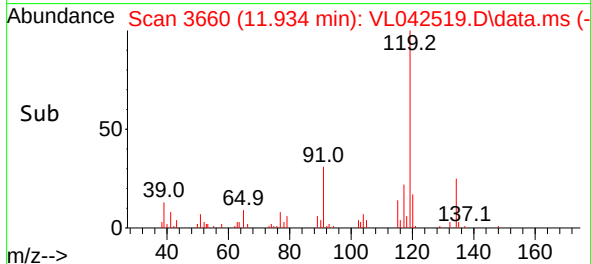
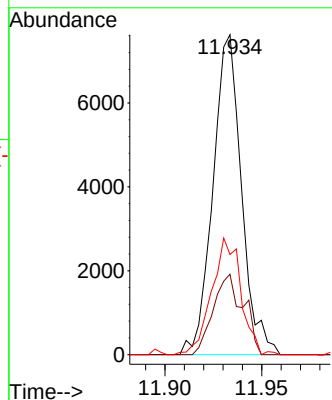
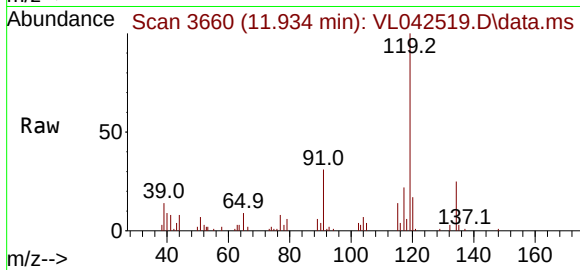




#69
p-Isopropyltoluene
Concen: 0.224 ppbv
RT: 11.934 min Scan# 3660
Delta R.T. 0.010 min
Lab File: VL042519.D
Acq: 07 May 2025 15:37

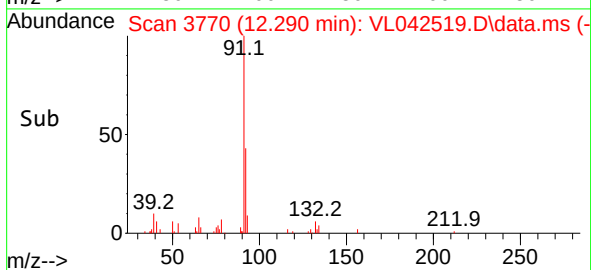
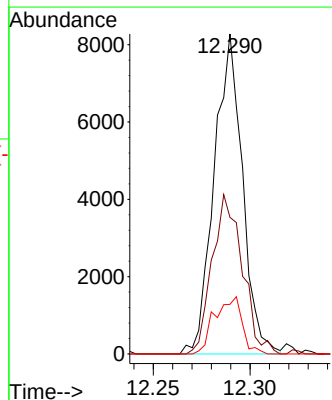
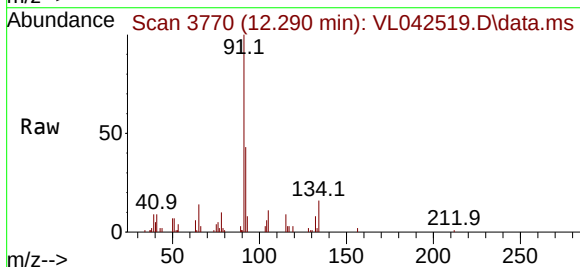
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.40

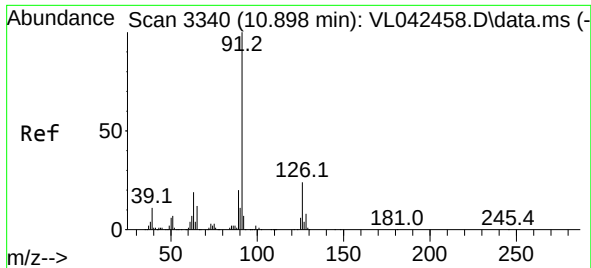
Tgt Ion:	119	Resp:	7813
Ion	Ratio	Lower	Upper
119	100		
134	26.4	19.0	28.4
91	37.9	25.5	38.3



#70
n-Butylbenzene
Concen: 0.233 ppbv
RT: 12.290 min Scan# 3770
Delta R.T. 0.010 min
Lab File: VL042519.D
Acq: 07 May 2025 15:37

Tgt Ion:	91	Resp:	8399
Ion	Ratio	Lower	Upper
91	100		
92	53.6	44.0	66.0
134	17.4	16.8	25.2

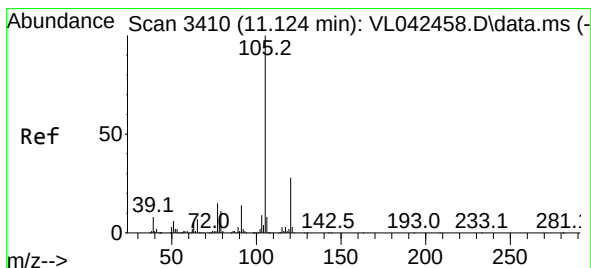
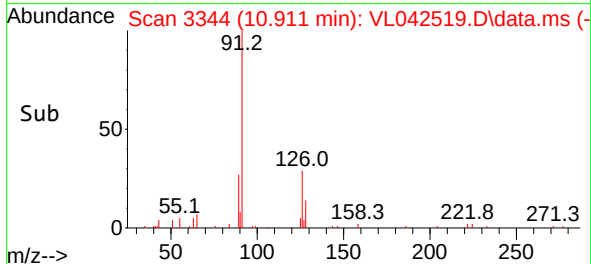
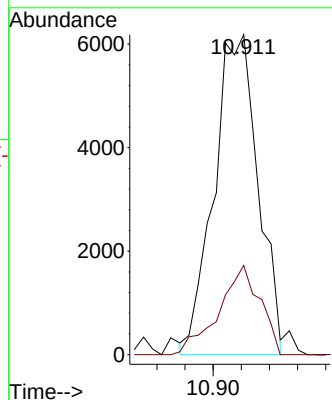
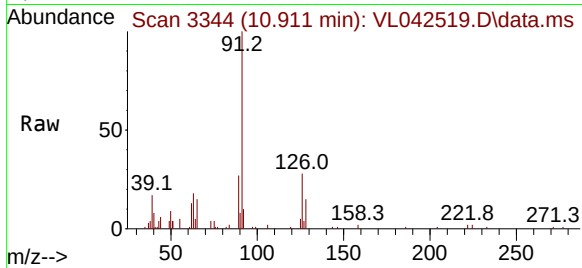




#71
2-Chlorotoluene
Concen: 0.263 ppbv
RT: 10.911 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL042519.D
Acq: 07 May 2025 15:37

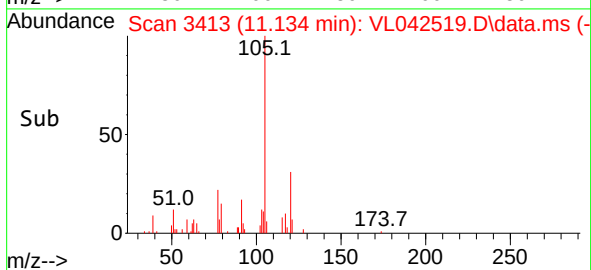
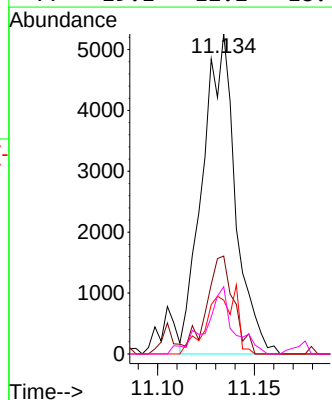
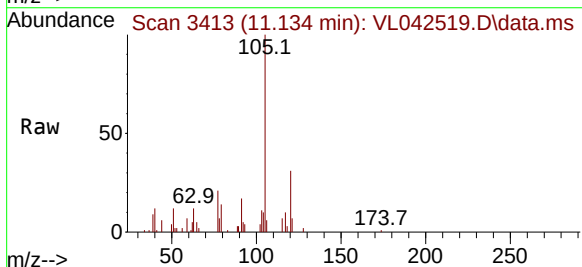
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.40

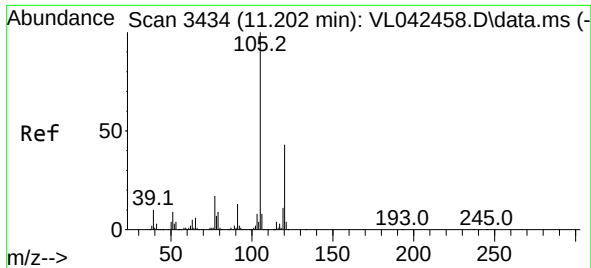
Tgt Ion: 91 Resp: 6717
Ion Ratio Lower Upper
91 100
126 26.2 10.6 42.2



#72
4-Ethyltoluene
Concen: 0.233 ppbv
RT: 11.134 min Scan# 3413
Delta R.T. 0.010 min
Lab File: VL042519.D
Acq: 07 May 2025 15:37

Tgt Ion: 105 Resp: 6202
Ion Ratio Lower Upper
105 100
120 29.3 22.0 33.0
91 17.7 11.2 16.8#
77 19.1 12.2 18.4#

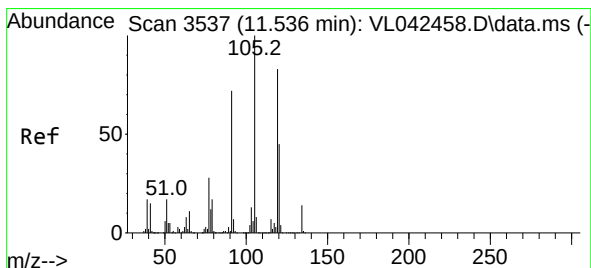
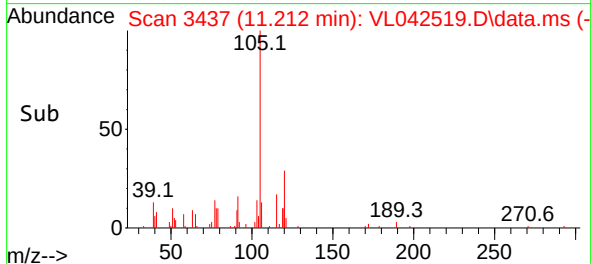
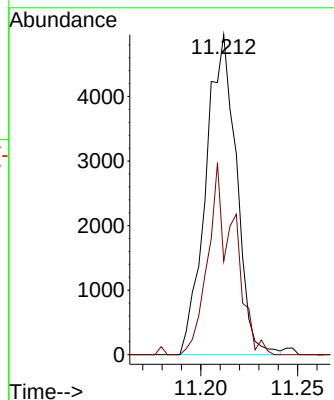
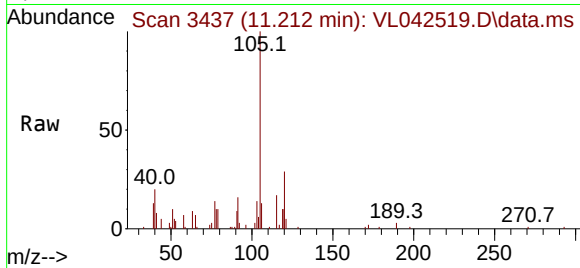




#73
 1,3,5-Trimethylbenzene
 Concen: 0.232 ppbv
 RT: 11.212 min Scan# 3434
 Delta R.T. 0.010 min
 Lab File: VL042519.D
 Acq: 07 May 2025 15:37

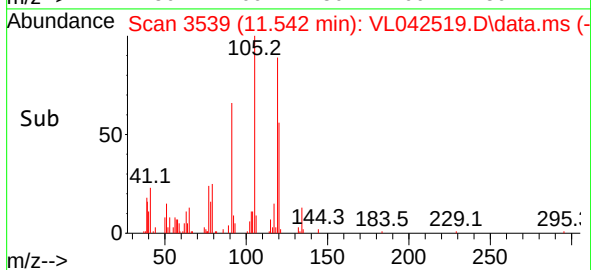
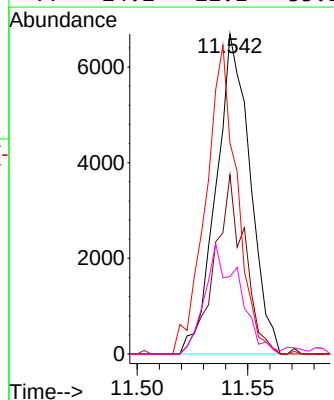
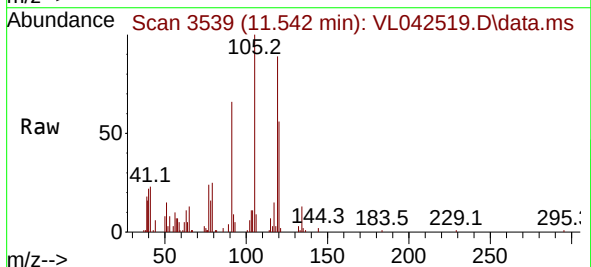
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL2 0.40

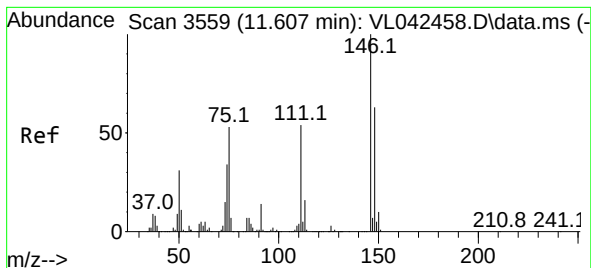
Tgt Ion:105 Resp: 5445
 Ion Ratio Lower Upper
 105 100
 120 29.2 34.4 51.6#



#74
 1,2,4-Trimethylbenzene
 Concen: 0.252 ppbv
 RT: 11.542 min Scan# 3539
 Delta R.T. 0.006 min
 Lab File: VL042519.D
 Acq: 07 May 2025 15:37

Tgt Ion:105 Resp: 7142
 Ion Ratio Lower Upper
 105 100
 120 56.0 36.1 54.1#
 91 66.0 57.6 86.4
 77 24.2 22.1 33.1





#75

1,3-Dichlorobenzene

Concen: 0.394 ppbv

RT: 11.613 min Scan# 3561

Delta R.T. 0.006 min

Lab File: VL042519.D

Acq: 07 May 2025 15:37

Instrument :

MSVOA_L

ClientSampleId :

MDL2 0.40

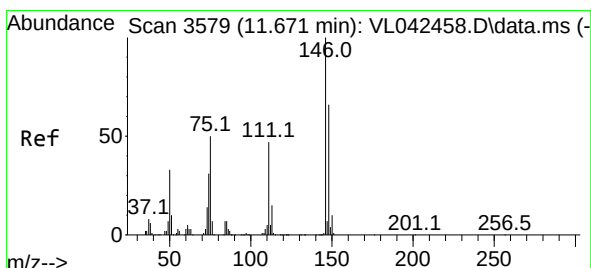
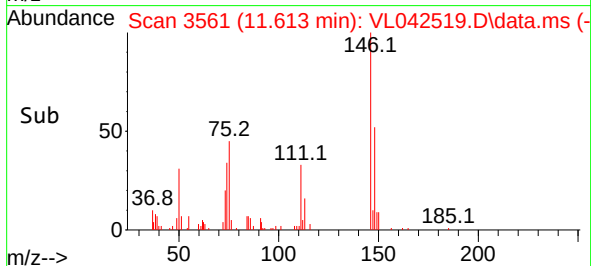
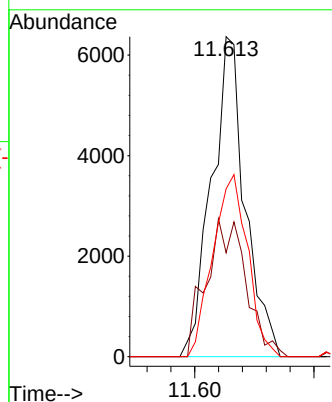
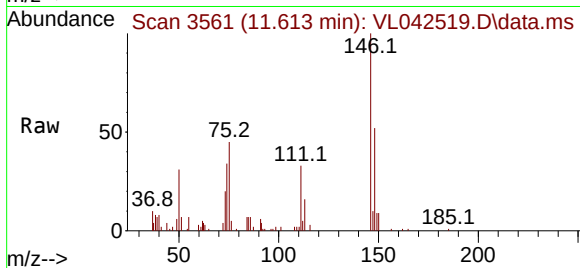
Tgt Ion:146 Resp: 6216

Ion Ratio Lower Upper

146 100

111 51.2 26.1 78.3

148 59.1 32.0 96.0



#76

1,4-Dichlorobenzene

Concen: 0.350 ppbv

RT: 11.678 min Scan# 3581

Delta R.T. 0.006 min

Lab File: VL042519.D

Acq: 07 May 2025 15:37

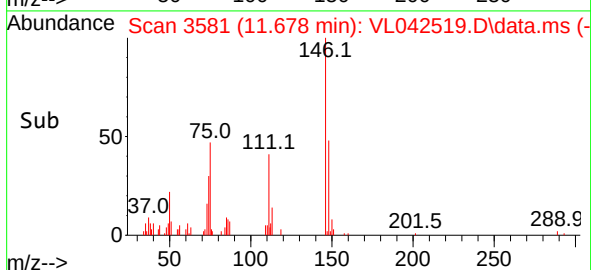
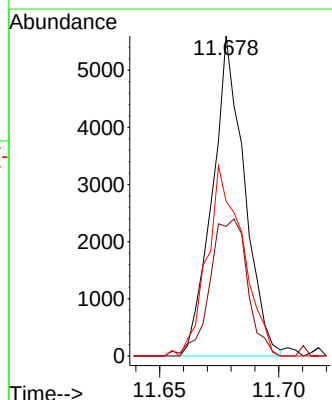
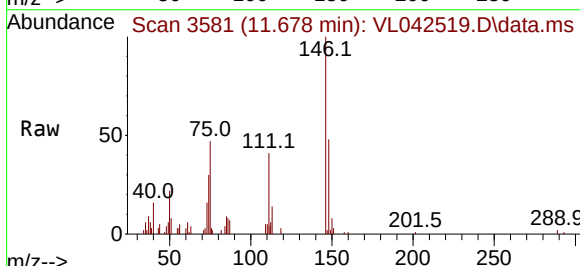
Tgt Ion:146 Resp: 5235

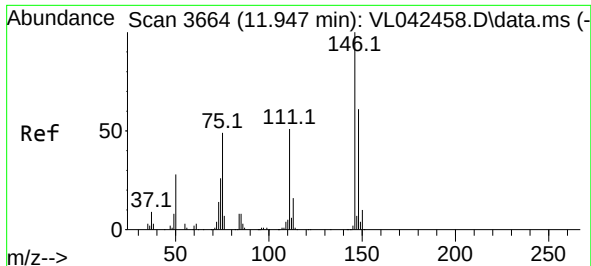
Ion Ratio Lower Upper

146 100

111 50.8 24.4 73.2

148 65.9 32.0 96.2

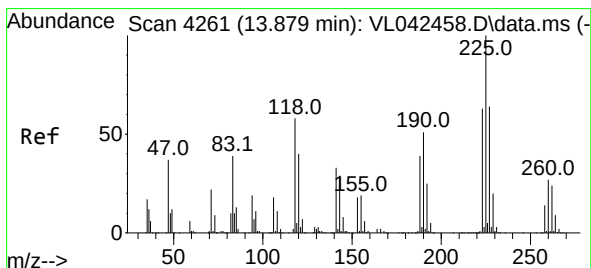
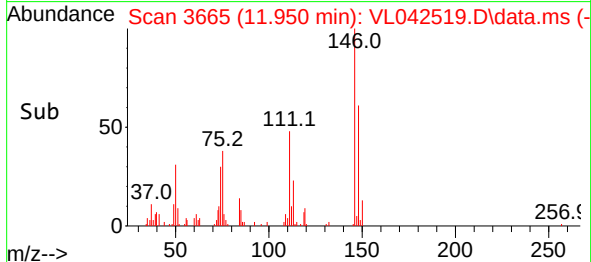
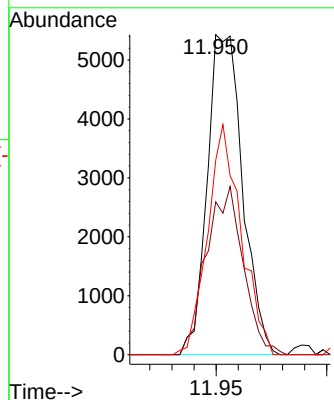
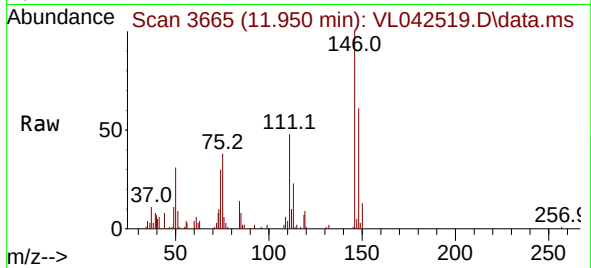




#77
 1,2-Dichlorobenzene
 Concen: 0.391 ppbv
 RT: 11.950 min Scan# 3665
 Delta R.T. 0.003 min
 Lab File: VL042519.D
 Acq: 07 May 2025 15:37

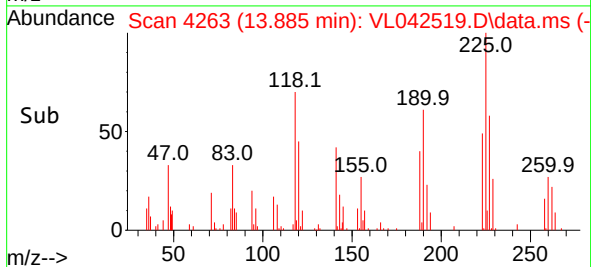
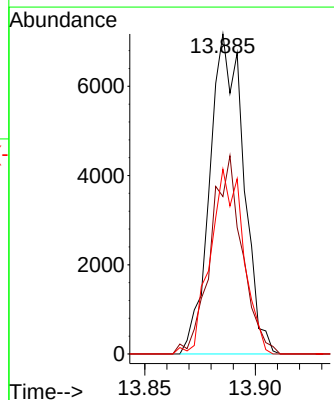
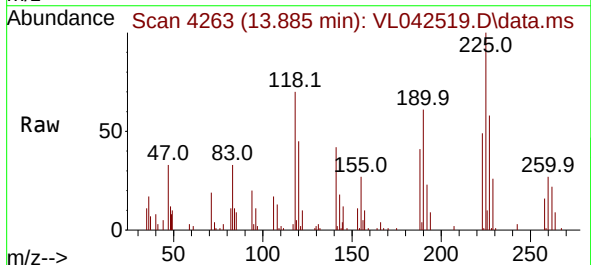
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL2 0.40

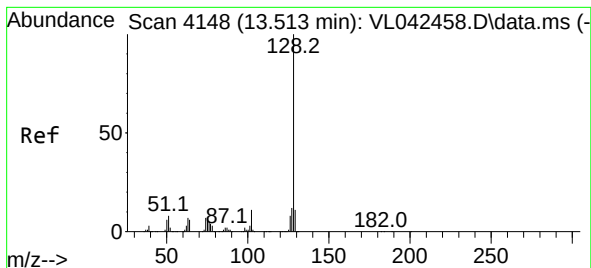
Tgt Ion:	146	Resp:	6050
Ion Ratio	Lower	Upper	
146	100		
111	54.6	26.5	79.5
148	68.1	31.5	94.5



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.493 ppbv
 RT: 13.885 min Scan# 4263
 Delta R.T. 0.006 min
 Lab File: VL042519.D
 Acq: 07 May 2025 15:37

Tgt Ion:	225	Resp:	7614
Ion Ratio	Lower	Upper	
225	100		
223	57.6	50.2	75.4
227	56.7	51.2	76.8





#79

Naphthalene

Concen: 0.185 ppbv

RT: 13.523 min Scan# 4151

Delta R.T. 0.010 min

Lab File: VL042519.D

Acq: 07 May 2025 15:37

Instrument :

MSVOA_L

ClientSampleId :

MDL2 0.40

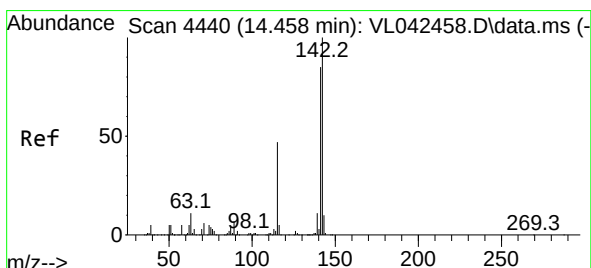
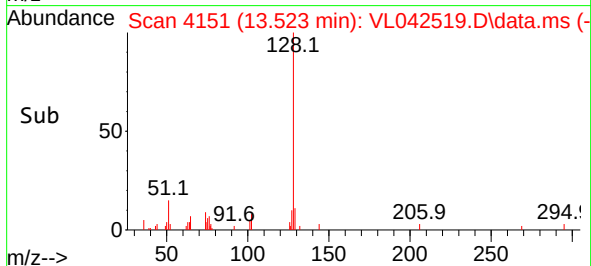
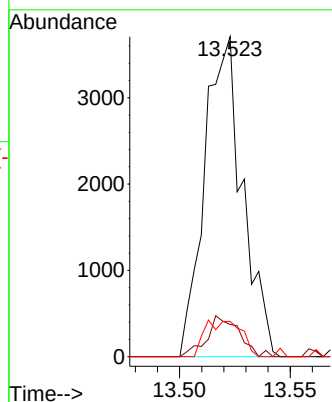
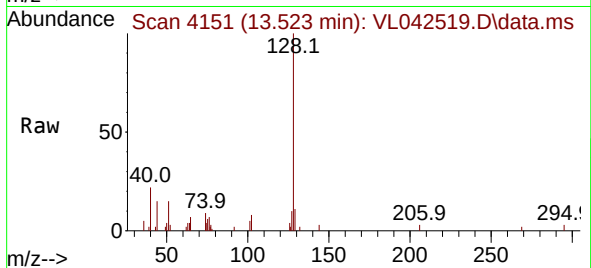
Tgt Ion:128 Resp: 4420

Ion Ratio Lower Upper

128 100

127 10.1 9.7 14.5

129 11.1 8.6 13.0



#80

Naphthalene,2-methyl-

Concen: 0.033 ppbv

RT: 14.474 min Scan# 4445

Delta R.T. 0.016 min

Lab File: VL042519.D

Acq: 07 May 2025 15:37

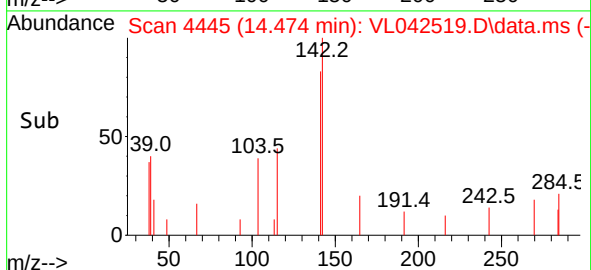
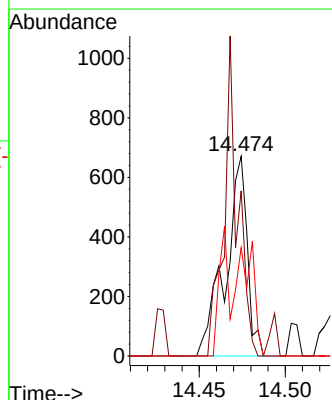
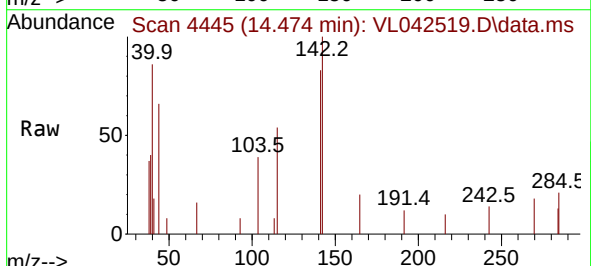
Tgt Ion:142 Resp: 588

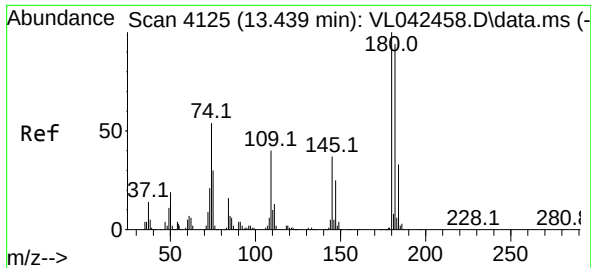
Ion Ratio Lower Upper

142 100

141 109.7 67.4 101.0#

115 70.2 36.9 55.3#





#81

1,2,4-Trichlorobenzene

Concen: 0.183 ppbv

RT: 13.452 min Scan# 41

Delta R.T. 0.013 min

Lab File: VL042519.D

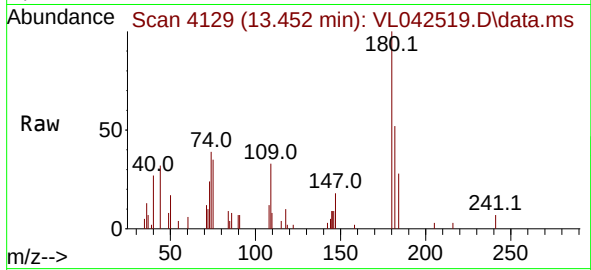
Acq: 07 May 2025 15:37

Instrument :

MSVOA_L

ClientSampleId :

MDL2 0.40



Tgt Ion:180 Resp: 2335

Ion Ratio Lower Upper

180 100

182 117.2 74.6 111.8#

184 37.7 24.9 37.3#

