

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050625\
 Data File : VL042495.D
 Acq On : 06 May 2025 14:26
 Operator : SY/MD
 Sample : MDL1 0.45
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL1 0.45

Quant Time: May 07 01:39:55 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	65243	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	170299	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	146099	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	135652	10.015	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.100%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	7060	0.654	ppbv	89
3) Chlorodifluoromethane	1.476	51	6184	0.542	ppbv	96
4) Chloromethane	1.534	50	2732	0.605	ppbv	94
5) Vinyl Chloride	1.580	62	2470	0.544	ppbv #	71
6) Bromomethane	1.667	94	1524	0.710	ppbv #	76
7) Chloroethane	1.709	64	1335	0.796	ppbv #	80
8) Dichlorotetrafluoroethane	1.554	85	5772	0.649	ppbv	94
9) Propene	1.486	41	1426	0.382	ppbv #	66
10) Heptane	4.991	43	926	0.096	ppbv #	1
11) Trichlorofluoromethane	1.877	101	6160	0.618	ppbv	91
12) 1,1,2-Trichlorotrifluo...	2.143	101	5883	0.740	ppbv	94
13) Ethanol	1.725	45	385	0.508	ppbv #	48
14) Bromoethene	1.784	108	1829	0.623	ppbv #	96
15) Acetone	1.839	43	9455	0.794	ppbv	96
16) 1,3-Butadiene	1.609	39	3484	0.663	ppbv	91
17) tert-Butyl alcohol	2.042	59	5729	0.546	ppbv	96
18) 1,1-Dichloroethene	2.033	96	1958	0.527	ppbv	92
19) Isopropyl Alcohol	1.887	45	4538	0.688	ppbv #	1
20) Methylene Chloride	2.062	84	2506	0.700	ppbv #	85
21) Allyl Chloride	2.098	41	4486	0.586	ppbv	86
22) trans-1,2-Dichloroethene	2.343	96	2815	0.649	ppbv	98
23) Vinyl Acetate	2.463	43	4763	0.419	ppbv #	91
24) 1,1-Dichloroethane	2.411	63	5290	0.598	ppbv #	95
25) Ethyl Acetate	2.845	43	7124	0.374	ppbv #	89
26) Hexane	2.829	57	2247	0.270	ppbv #	28
27) Carbon Disulfide	2.153	76	4823	0.497	ppbv #	1
28) Methyl tert-Butyl Ether	2.441	73	1204	0.241	ppbv #	10
29) Chloroform	2.848	83	8819	0.566	ppbv	99
30) Cyclohexane	3.868	84	1226	0.177	ppbv #	1
31) cis-1,2-Dichloroethene	2.722	61	3566	0.368	ppbv #	87
32) 1,1,1-Trichloroethane	3.373	97	8008	0.474	ppbv	97
34) 2-Butanone	2.564	43	5810	0.472	ppbv #	90
35) Carbon Tetrachloride	3.771	117	9149	0.591	ppbv #	76
36) Benzene	3.661	78	7063	0.439	ppbv #	85
37) 1,2-Dichloroethane	3.221	62	6563	0.530	ppbv	97
38) Trichloroethene	4.557	130	793	0.129	ppbv #	62
39) 1,2-Dichloropropane	4.315	63	732	0.122	ppbv	89
40) 1,4-Dioxane	4.609	88	644	0.229	ppbv #	100
41) Tetrahydrofuran	3.068	42	1204	0.206	ppbv #	53
42) Bromodichloromethane	4.499	83	7820	0.517	ppbv #	74
43) Methyl Methacrylate	4.891	69	555	0.093	ppbv #	1
44) 2,2,4-Trimethylpentane	4.641	57	3434	0.132	ppbv #	5
45) t-1,3-Dichloropropene	6.425	75	450	0.057	ppbv	90

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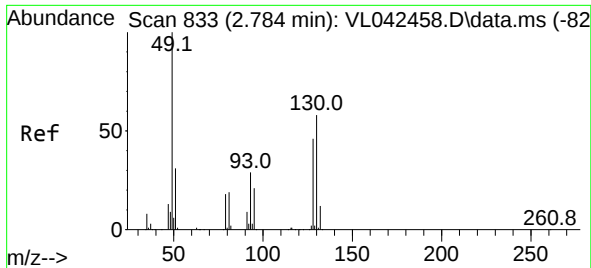
Quant Time: May 07 01:39:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 02 03:16:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	2563	0.274	ppbv #	52
47) 1,1,2-Trichloroethane	6.593	97	1533	0.232	ppbv #	60
48) Dibromochloromethane	7.393	129	4803	0.431	ppbv	88
49) Bromoform	9.496	173	1521	0.163	ppbv #	1
51) 2-Hexanone	7.454	43	1780	0.143	ppbv #	7
52) Tetrachloroethene	8.231	164	975	0.159	ppbv #	77
53) Toluene	7.389	91	451	0.027	ppbv	92
54) 1,2-Dibromoethane	7.658	107	4690	0.465	ppbv #	71
56) 1,1,1,2-Tetrachloroethane	8.933	131	4504	0.522	ppbv #	53
57) Chlorobenzene	8.924	112	4544	0.310	ppbv #	69
58) Ethyl Benzene	9.364	91	3800	0.156	ppbv #	87
59) m/p-Xylene	9.532	91	3447	0.168	ppbv #	33
60) o-Xylene	9.966	91	6273	0.306	ppbv	92
61) Styrene	9.878	104	2382	0.311	ppbv #	79
62) Isopropylbenzene	10.542	105	10906	0.369	ppbv	96
63) 1,1,2,2-Tetrachloroethane	9.972	83	7186	0.509	ppbv	93
64) n-propylbenzene	10.992	120	2494	0.345	ppbv	87
65) tert-Butylbenzene	11.539	119	3265	0.124	ppbv #	1
66) Benzyl Chloride	11.623	91	495	0.162	ppbv #	15
67) sec-Butylbenzene	11.775	105	12507	0.334	ppbv	97
69) p-Isopropyltoluene	11.930	119	10141	0.321	ppbv #	93
70) n-Butylbenzene	12.286	91	9641	0.295	ppbv	93
71) 2-Chlorotoluene	10.908	91	8237	0.355	ppbv	100
72) 4-Ethyltoluene	11.131	105	8165	0.338	ppbv	95
73) 1,3,5-Trimethylbenzene	11.209	105	6809	0.320	ppbv	98
74) 1,2,4-Trimethylbenzene	11.542	105	8755	0.341	ppbv #	84
75) 1,3-Dichlorobenzene	11.610	146	7206	0.503	ppbv	95
76) 1,4-Dichlorobenzene	11.675	146	6355	0.469	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	6988	0.499	ppbv	98
78) Hexachloro-1,3-Butadiene	13.882	225	7369	0.527	ppbv	97
79) Naphthalene	13.513	128	5267	0.243	ppbv #	88
80) Naphthalene,2-methyl-	14.458	142	2039	0.127	ppbv #	83
81) 1,2,4-Trichlorobenzene	13.445	180	3453	0.299	ppbv	97

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

Instrument :
MSVOA_L
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MDL1 0.45

[illegible]



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 2.790 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL042495.D

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Instrument :

MSVOA_L

ClientSampleId :

MDL1 0.45

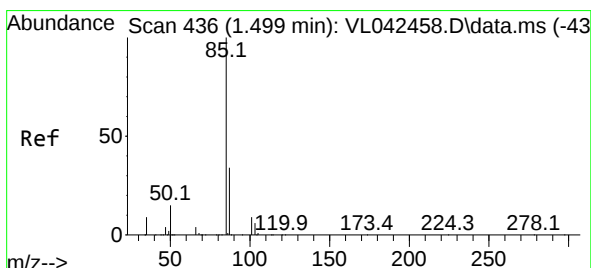
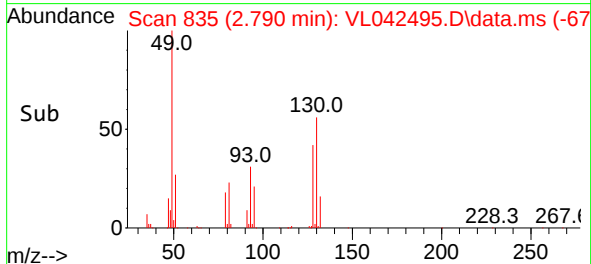
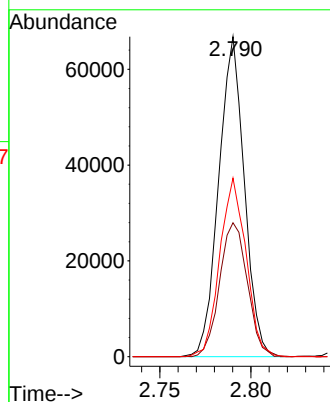
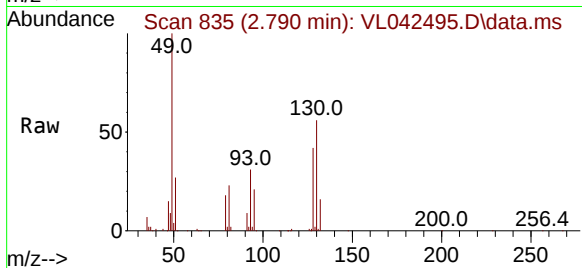
Tgt Ion: 49 Resp: 65243

Ion Ratio Lower Upper

49 100

128 45.3 23.3 69.9

130 57.3 29.5 88.6



#2

Dichlorodifluoromethane

Concen: 0.654 ppbv

RT: 1.499 min Scan# 436

Delta R.T. 0.000 min

Lab File: VL042495.D

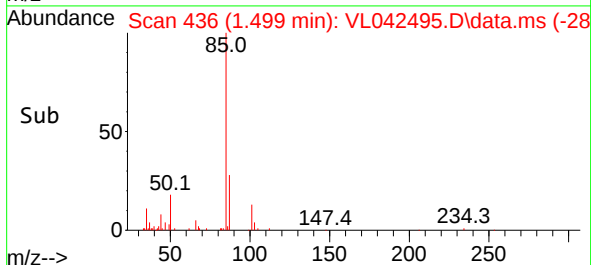
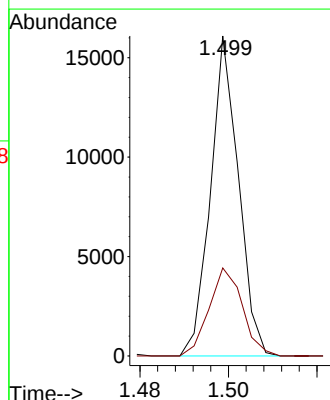
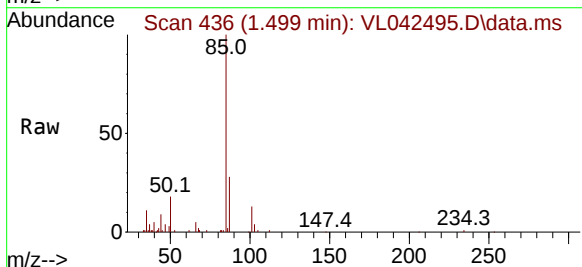
Acq: 06 May 2025 14:26

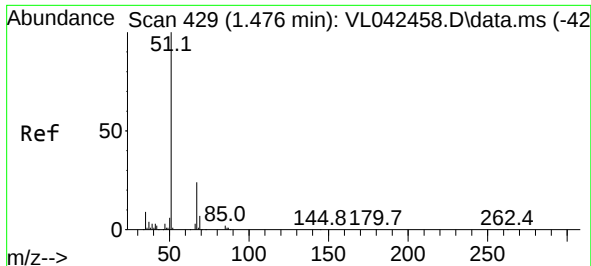
Tgt Ion: 85 Resp: 7060

Ion Ratio Lower Upper

85 100

87 27.5 26.9 40.3

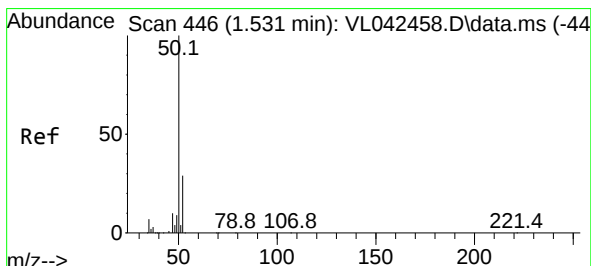
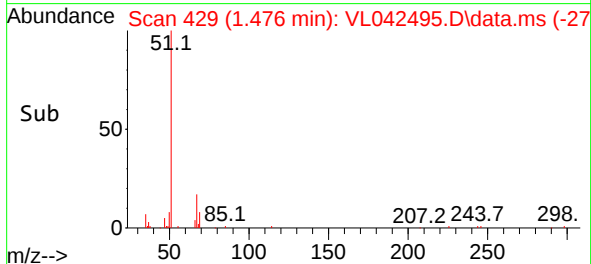
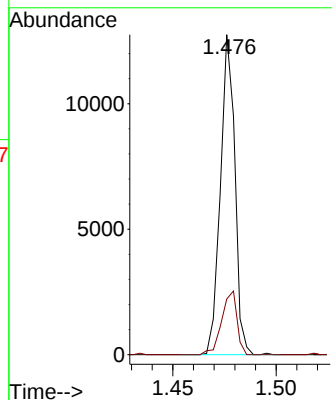
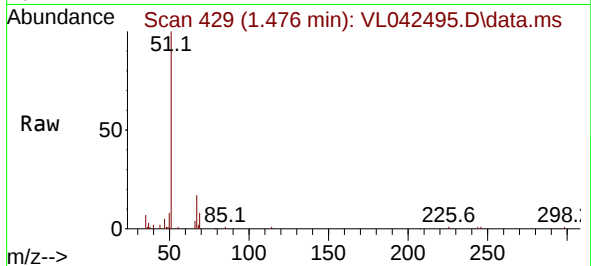




#3
Chlorodifluoromethane
Concen: 0.542 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042495.D
Acq: 06 May 2025 14:26

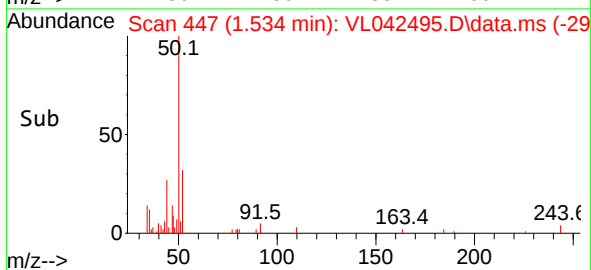
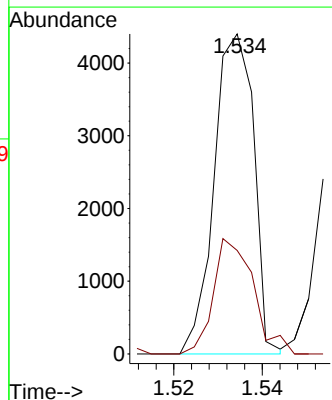
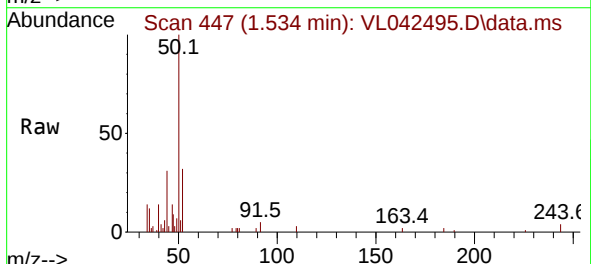
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45

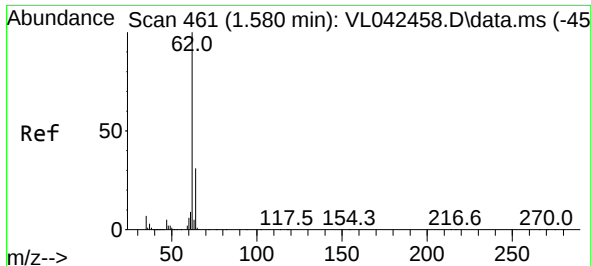
Tgt Ion: 51 Resp: 6184
Ion Ratio Lower Upper
51 100
67 21.0 18.4 27.6



#4
Chloromethane
Concen: 0.605 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042495.D
Acq: 06 May 2025 14:26

Tgt Ion: 50 Resp: 2732
Ion Ratio Lower Upper
50 100
52 32.4 23.5 35.3

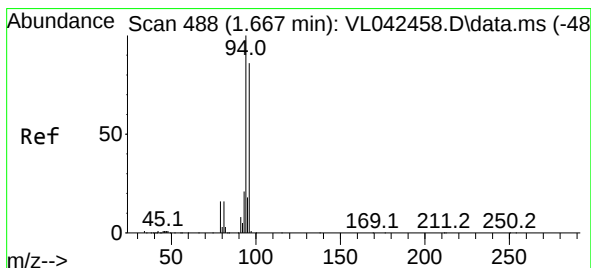
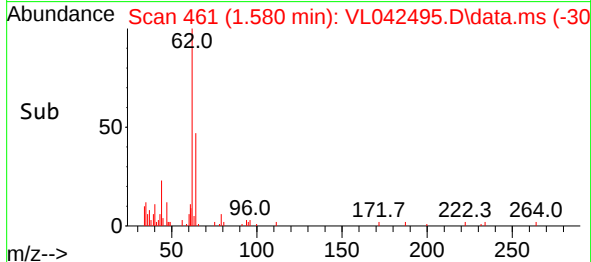
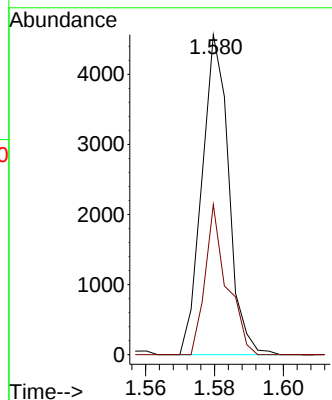
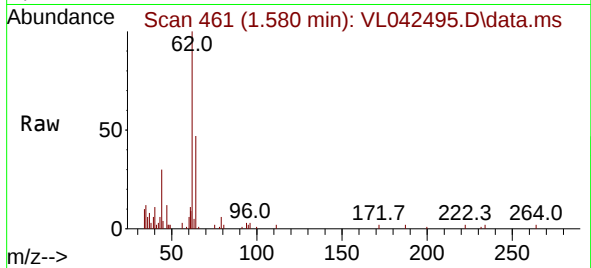




#5
 Vinyl Chloride
 Concen: 0.544 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.000 min
 Lab File: VL042495.D
 Acq: 06 May 2025 14:26

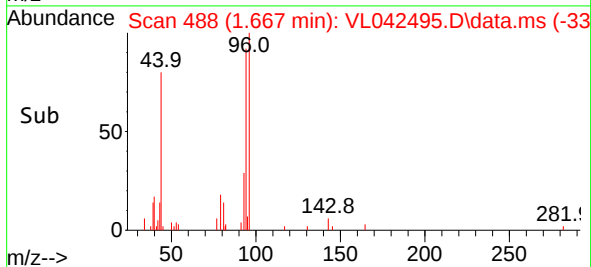
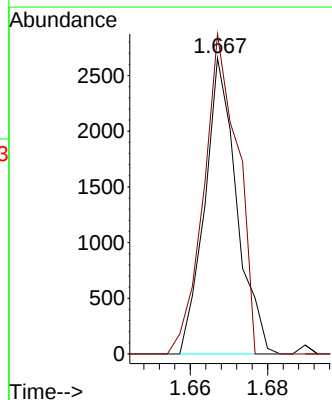
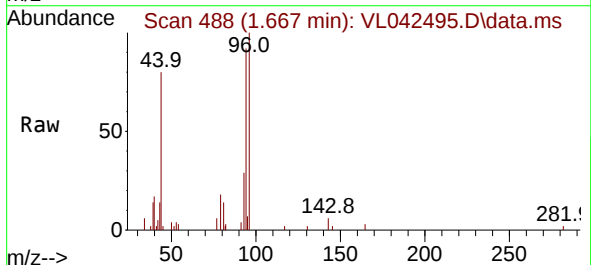
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL1 0.45

Tgt Ion: 62 Resp: 2470
 Ion Ratio Lower Upper
 62 100
 64 46.9 24.9 37.3#



#6
 Bromomethane
 Concen: 0.710 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.000 min
 Lab File: VL042495.D
 Acq: 06 May 2025 14:26

Tgt Ion: 94 Resp: 1524
 Ion Ratio Lower Upper
 94 100
 96 108.1 68.8 103.2#

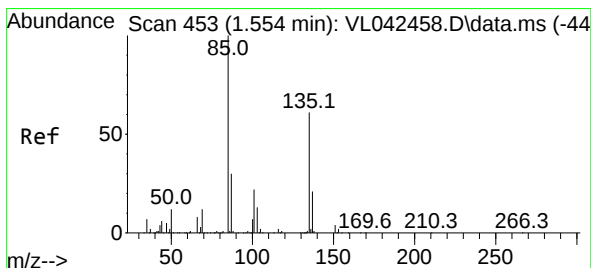
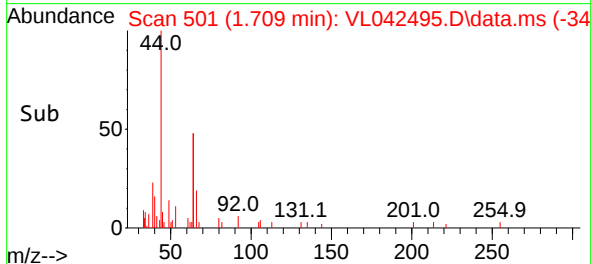
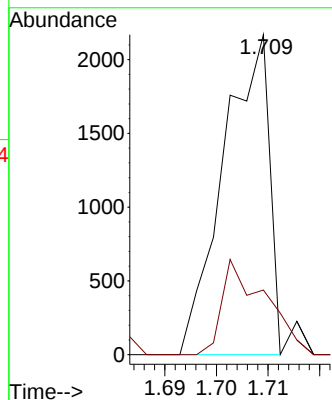
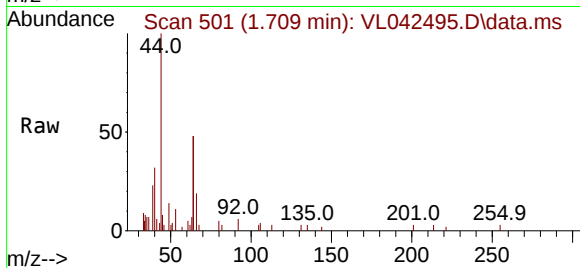




#7
Chloroethane
Concen: 0.796 ppbv
RT: 1.709 min Scan# 501
Delta R.T. 0.006 min
Lab File: VL042495.D
Acq: 06 May 2025 14:26

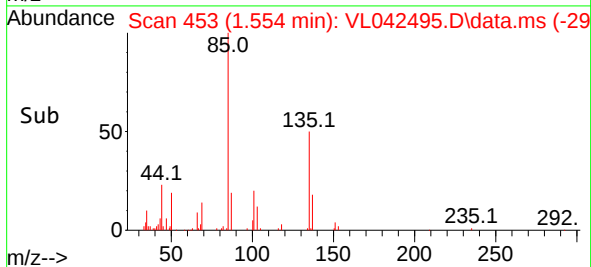
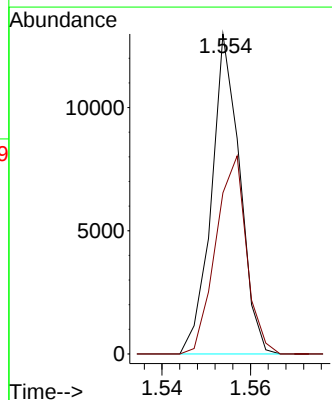
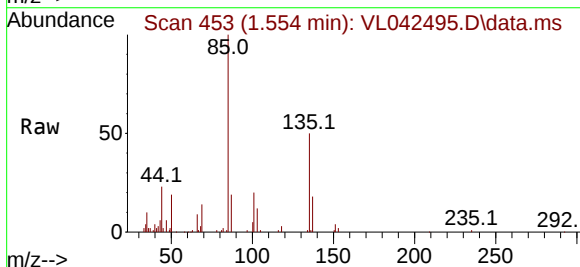
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45

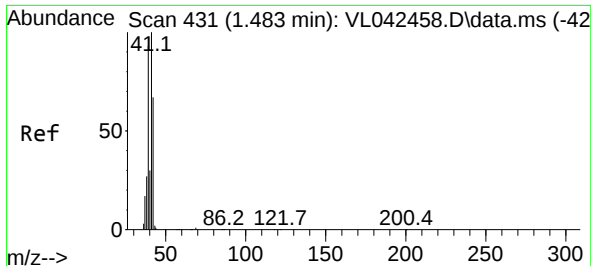
Tgt Ion: 64 Resp: 1335
Ion Ratio Lower Upper
64 100
66 20.2 25.0 37.4#



#8
Dichlorotetrafluoroethane
Concen: 0.649 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042495.D
Acq: 06 May 2025 14:26

Tgt Ion: 85 Resp: 5772
Ion Ratio Lower Upper
85 100
135 67.1 49.8 74.8





#9

Propene

Concen: 0.382 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042495.D

Acq: 06 May 2025 14:26

Instrument :

MSVOA_L

ClientSampleId :

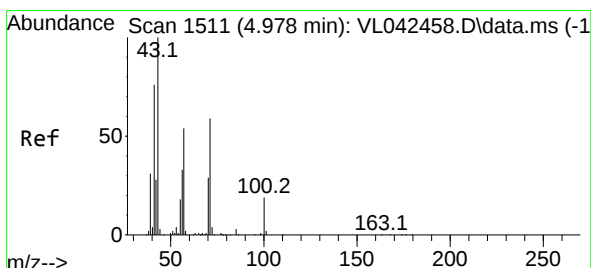
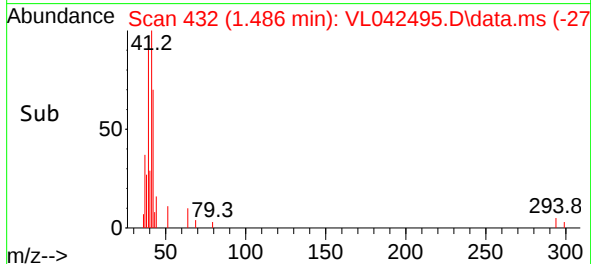
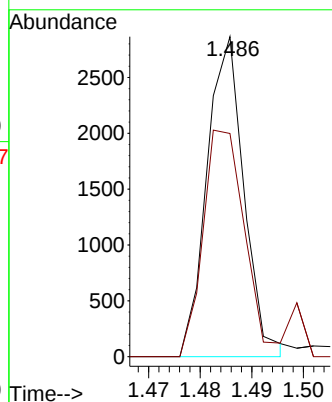
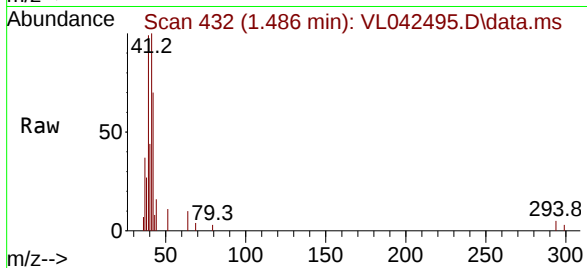
MDL1 0.45

Tgt Ion: 41 Resp: 1426

Ion Ratio Lower Upper

41 100

42 95.0 54.3 81.5#



#10

Heptane

Concen: 0.096 ppbv

RT: 4.991 min Scan# 1515

Delta R.T. 0.013 min

Lab File: VL042495.D

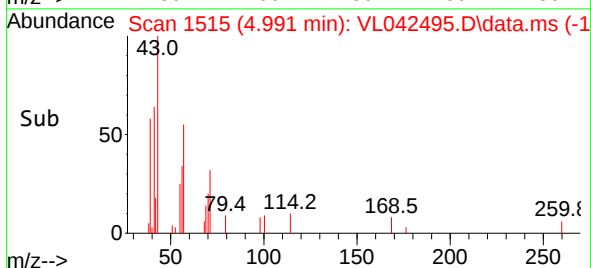
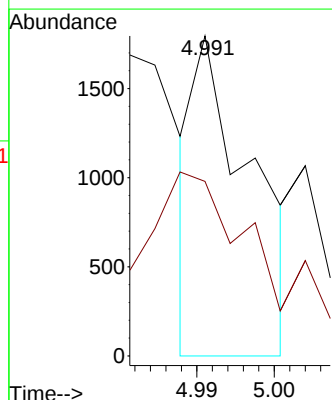
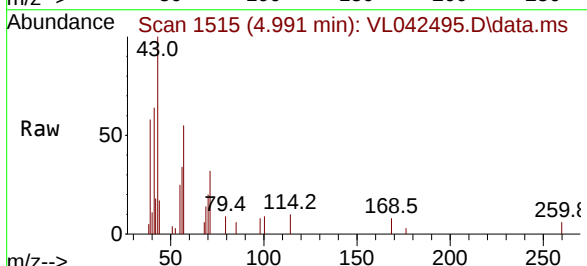
Acq: 06 May 2025 14:26

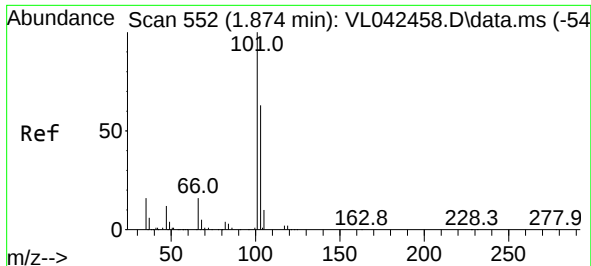
Tgt Ion: 43 Resp: 926

Ion Ratio Lower Upper

43 100

57 227.0 41.8 62.8#

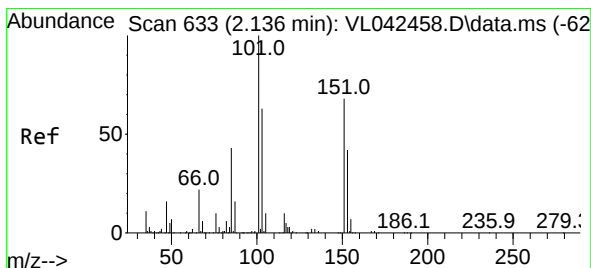
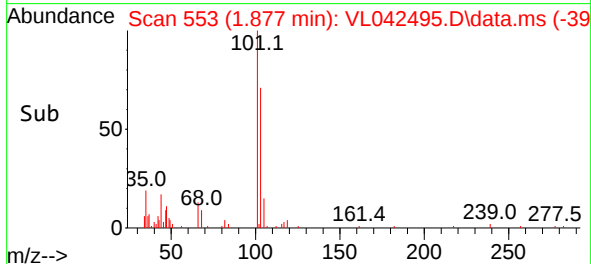
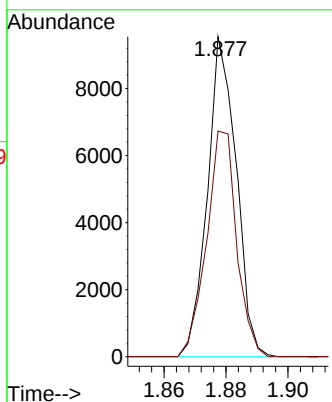
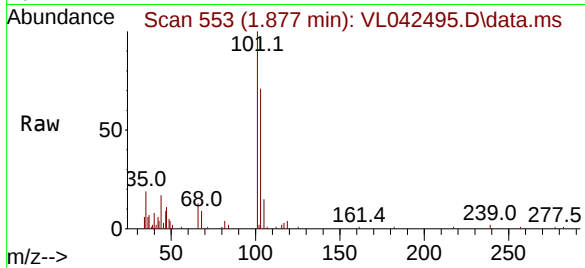




#11
 Trichlorofluoromethane
 Concen: 0.618 ppbv
 RT: 1.877 min Scan# 51
 Delta R.T. 0.003 min
 Lab File: VL042495.D
 Acq: 06 May 2025 14:26

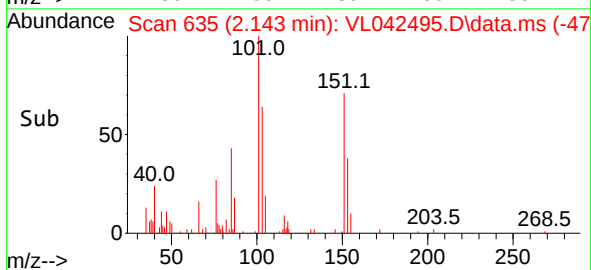
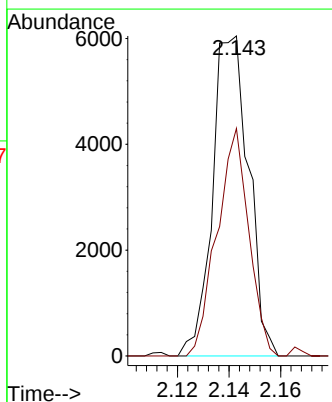
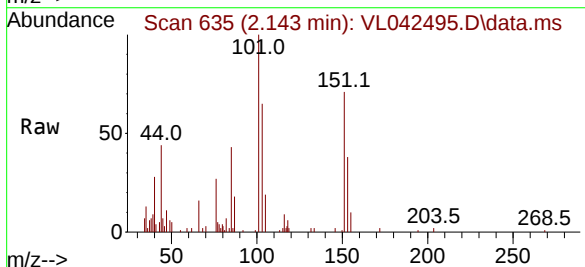
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL1 0.45

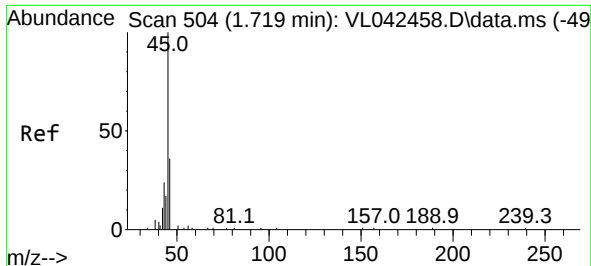
Tgt Ion:101 Resp: 6160
 Ion Ratio Lower Upper
 101 100
 103 70.5 50.6 76.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.740 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. 0.006 min
 Lab File: VL042495.D
 Acq: 06 May 2025 14:26

Tgt Ion:101 Resp: 5883
 Ion Ratio Lower Upper
 101 100
 151 63.4 54.6 82.0

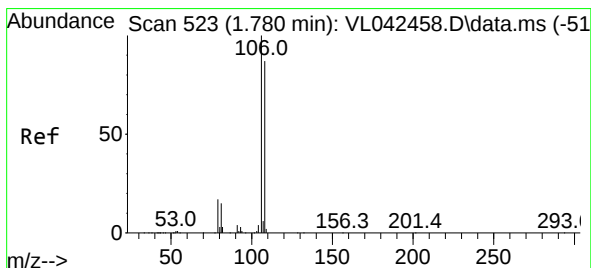
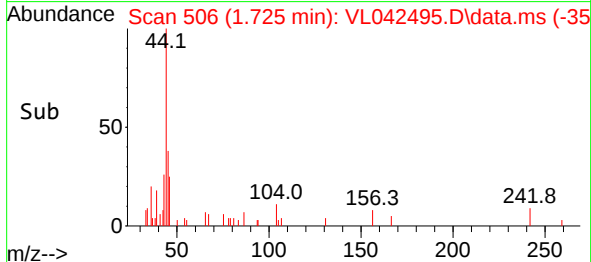
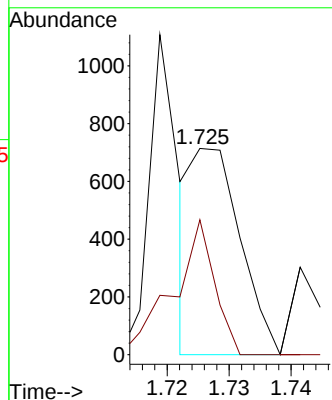
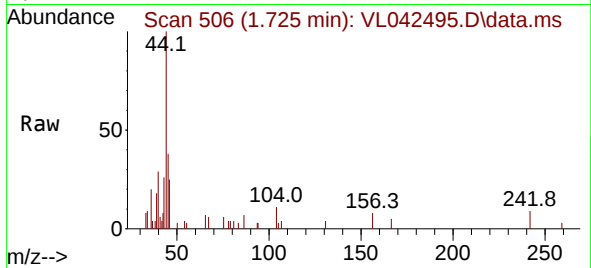




#13
Ethanol
Concen: 0.508 ppbv
RT: 1.725 min Scan# 504
Delta R.T. 0.006 min
Lab File: VL042495.D
Acq: 06 May 2025 14:26

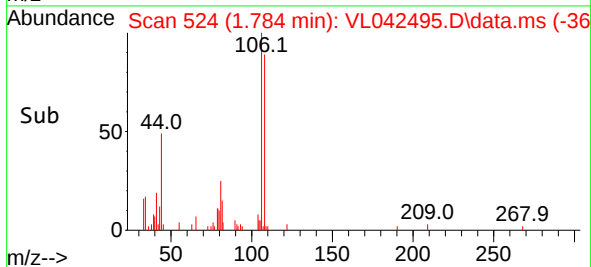
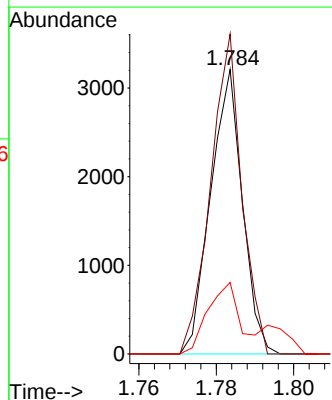
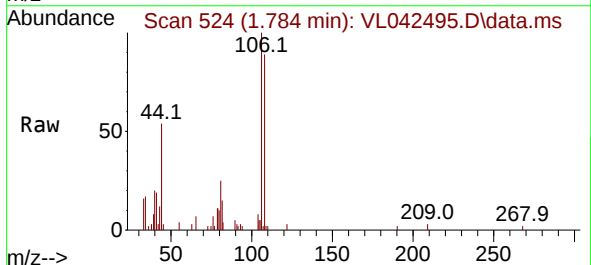
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45

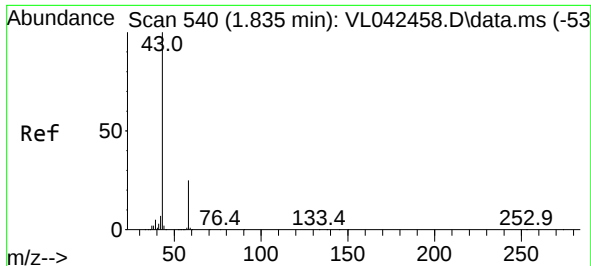
Tgt Ion: 45 Resp: 385
Ion Ratio Lower Upper
45 100
46 69.4 15.3 61.1#



#14
Bromoethene
Concen: 0.623 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.003 min
Lab File: VL042495.D
Acq: 06 May 2025 14:26

Tgt Ion:108 Resp: 1829
Ion Ratio Lower Upper
108 100
106 110.9 88.8 133.2
79 34.0 17.1 25.7#





#15

Acetone

Concen: 0.794 ppbv

RT: 1.839 min Scan# 54

Delta R.T. 0.003 min

Lab File: VL042495.D

Acq: 06 May 2025 14:26

Instrument :

MSVOA_L

ClientSampleId :

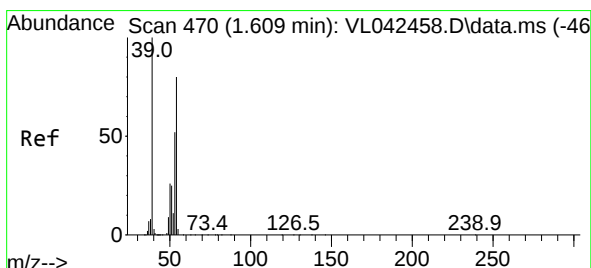
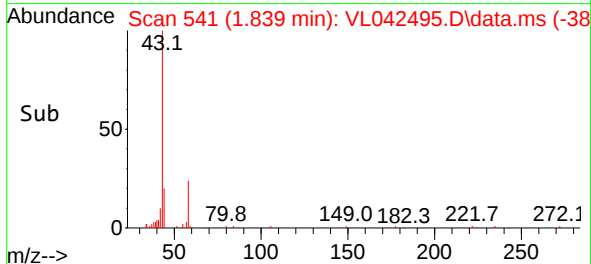
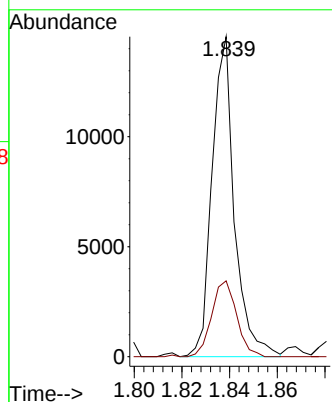
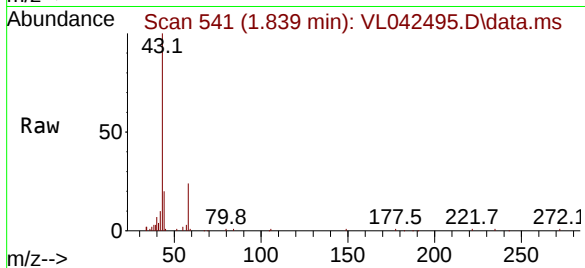
MDL1 0.45

Tgt Ion: 43 Resp: 9455

Ion Ratio Lower Upper

43 100

58 26.6 19.8 29.8



#16

1,3-Butadiene

Concen: 0.663 ppbv

RT: 1.609 min Scan# 470

Delta R.T. 0.000 min

Lab File: VL042495.D

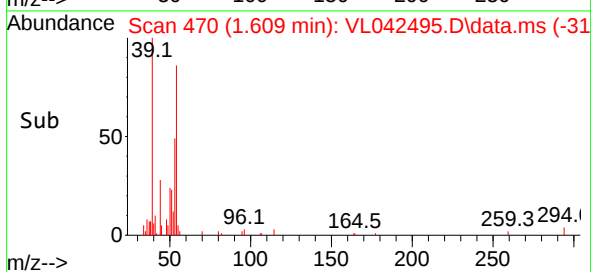
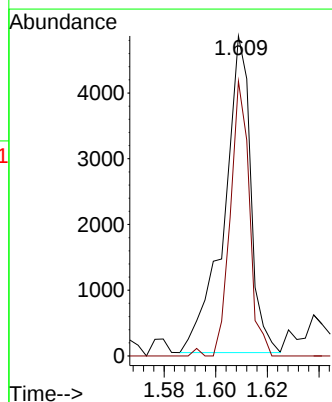
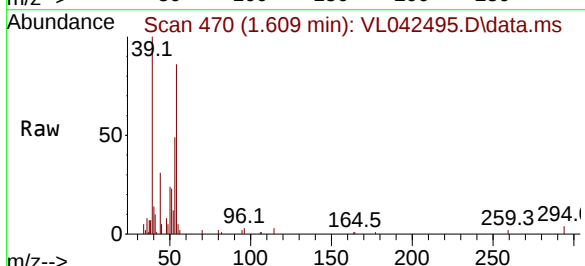
Acq: 06 May 2025 14:26

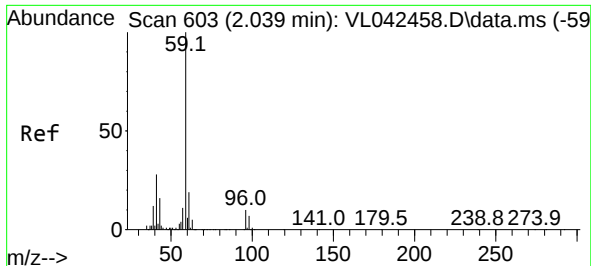
Tgt Ion: 39 Resp: 3484

Ion Ratio Lower Upper

39 100

54 61.8 55.2 82.8





#17

tert-Butyl alcohol

Concen: 0.546 ppbv

RT: 2.042 min Scan# 604

Delta R.T. 0.003 min

Lab File: VL042495.D

Acq: 06 May 2025 14:26

Instrument :

MSVOA_L

ClientSampleId :

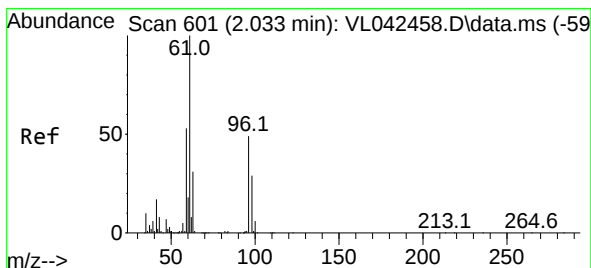
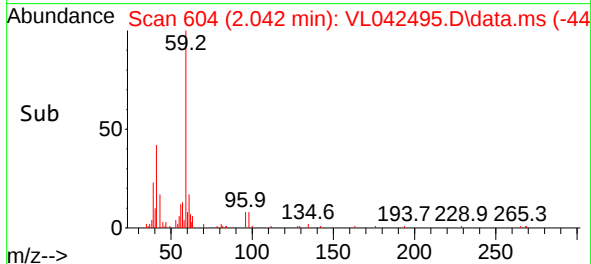
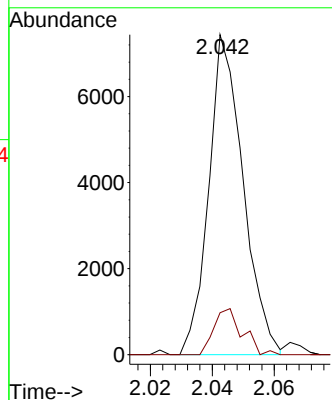
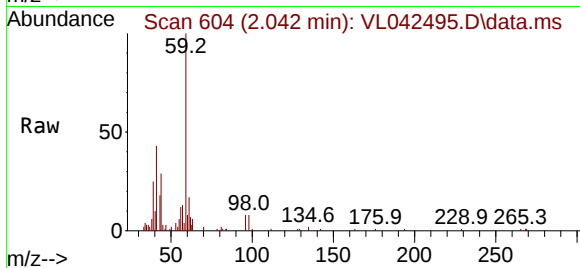
MDL1 0.45

Tgt Ion: 59 Resp: 5729

Ion Ratio Lower Upper

59 100

57 11.9 8.3 12.5



#18

1,1-Dichloroethene

Concen: 0.527 ppbv

RT: 2.033 min Scan# 601

Delta R.T. 0.000 min

Lab File: VL042495.D

Acq: 06 May 2025 14:26

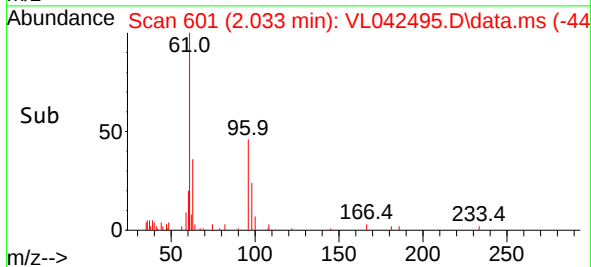
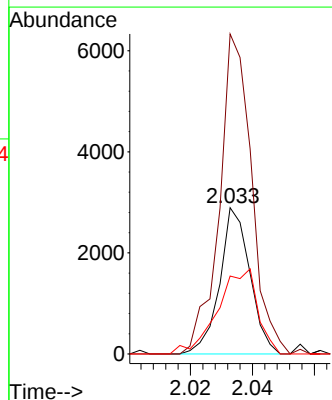
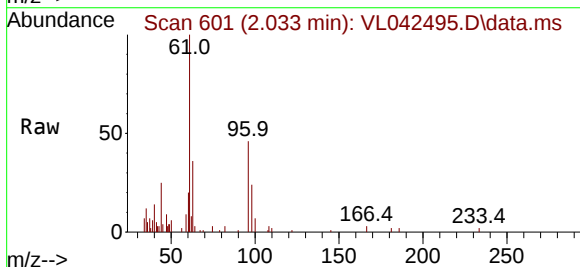
Tgt Ion: 96 Resp: 1958

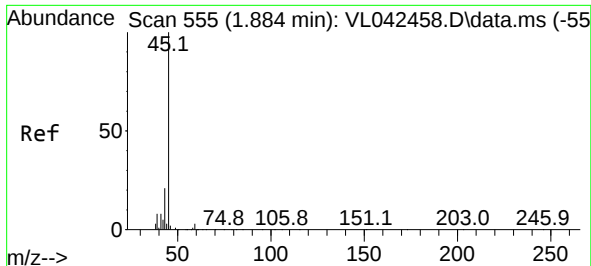
Ion Ratio Lower Upper

96 100

61 218.9 164.9 247.3

98 53.3 48.2 72.2

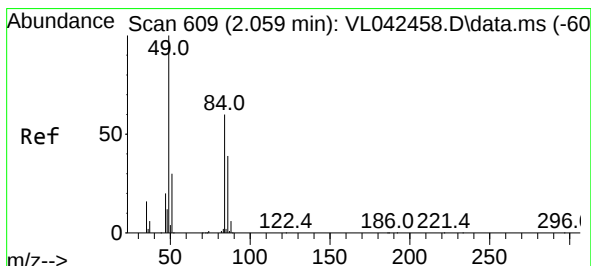
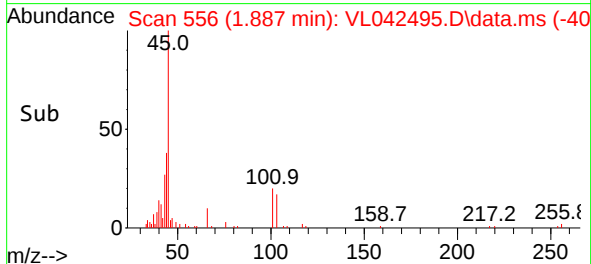
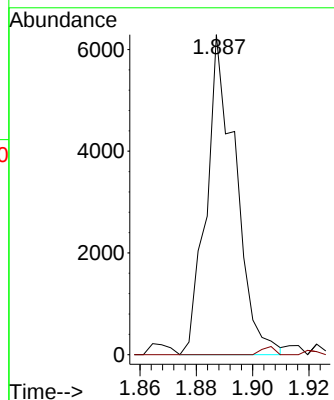
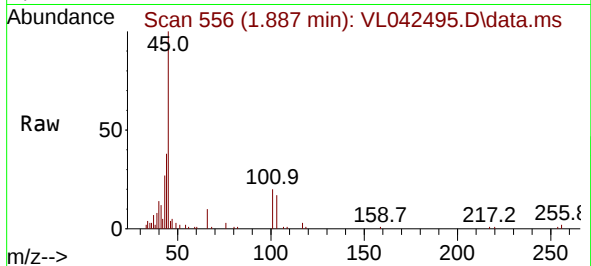




#19
Isopropyl Alcohol
Concen: 0.688 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042495.D
Acq: 06 May 2025 14:26

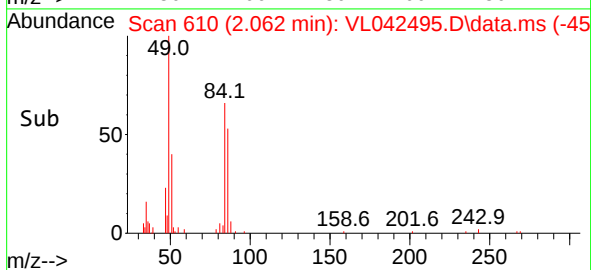
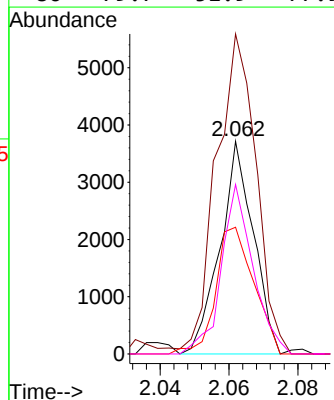
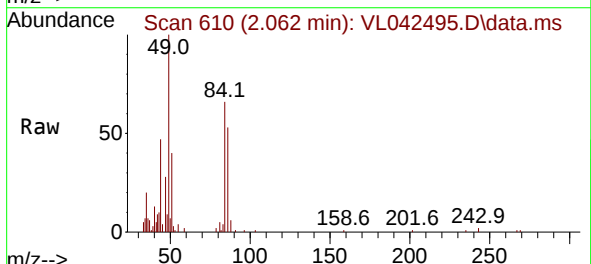
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45

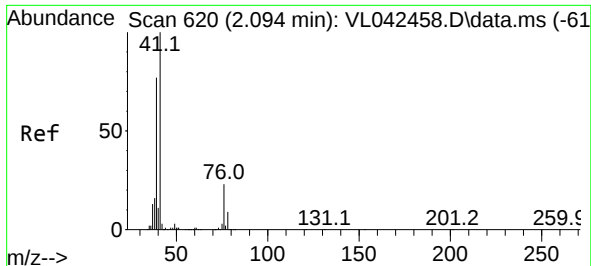
Tgt Ion: 45 Resp: 4538
Ion Ratio Lower Upper
45 100
58 55.5 1.6 2.4#



#20
Methylene Chloride
Concen: 0.700 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042495.D
Acq: 06 May 2025 14:26

Tgt Ion: 84 Resp: 2506
Ion Ratio Lower Upper
84 100
49 148.0 133.9 200.9
51 59.6 41.0 61.6
86 79.7 51.9 77.9#

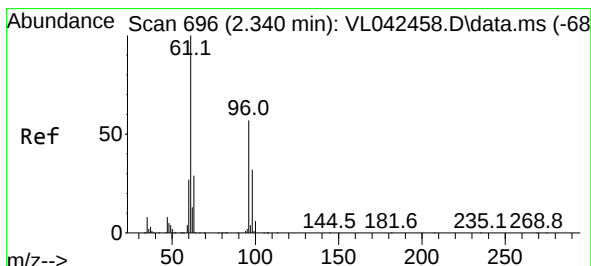
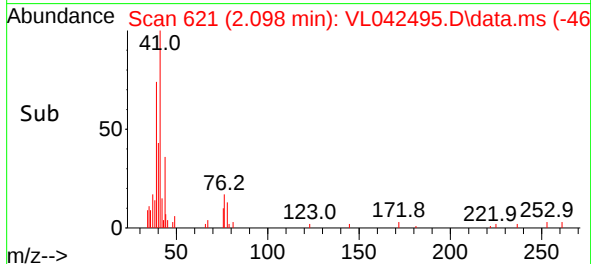
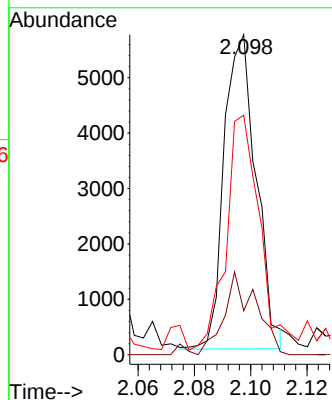
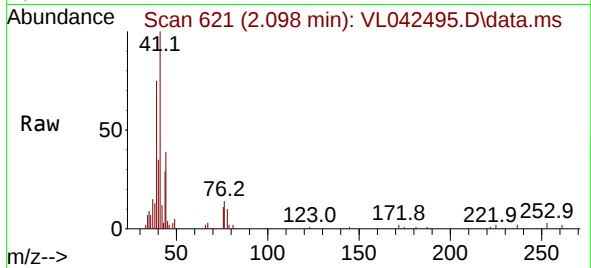




#21
 Allyl Chloride
 Concen: 0.586 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL042495.D
 Acq: 06 May 2025 14:26

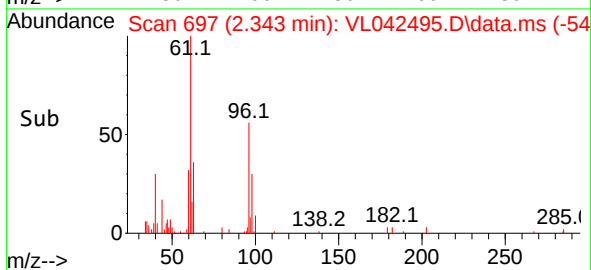
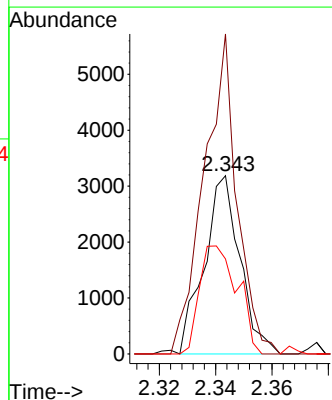
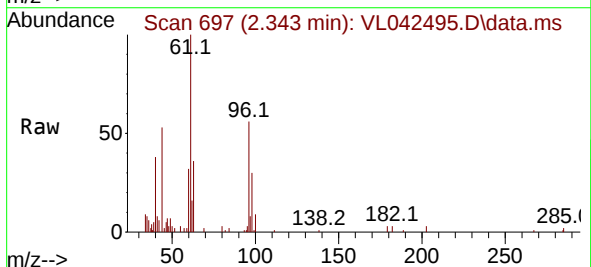
Instrument :
 MSVOA_1
 ClientSampleId :
 MDL1 0.45

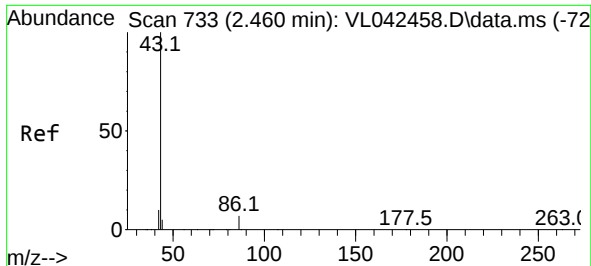
Tgt Ion:	41	Resp:	4486
Ion	Ratio	Lower	Upper
41	100		
76	27.0	19.6	29.4
39	91.2	61.0	91.4



#22
 trans-1,2-Dichloroethene
 Concen: 0.649 ppbv
 RT: 2.343 min Scan# 697
 Delta R.T. 0.003 min
 Lab File: VL042495.D
 Acq: 06 May 2025 14:26

Tgt Ion:	96	Resp:	2815
Ion	Ratio	Lower	Upper
96	100		
61	179.5	141.8	212.6
98	53.3	45.0	67.6

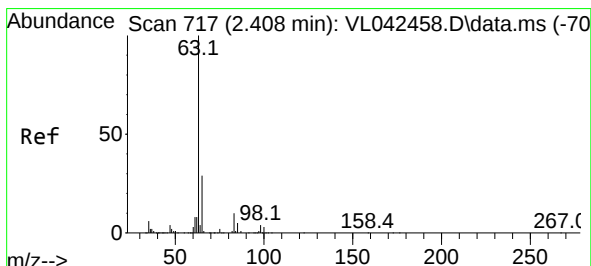
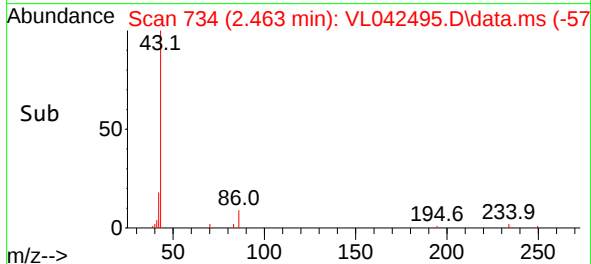
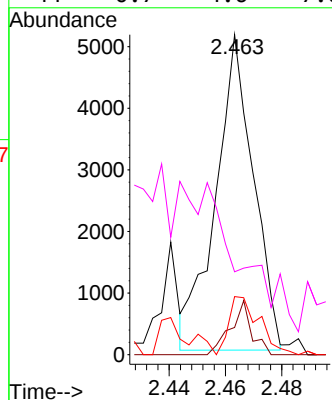
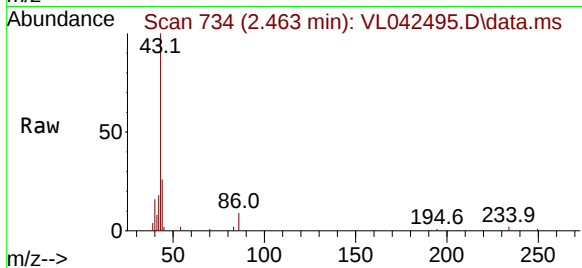




#23
 Vinyl Acetate
 Concen: 0.419 ppbv
 RT: 2.463 min Scan# 718
 Delta R.T. 0.003 min
 Lab File: VL042495.D
 Acq: 06 May 2025 14:26

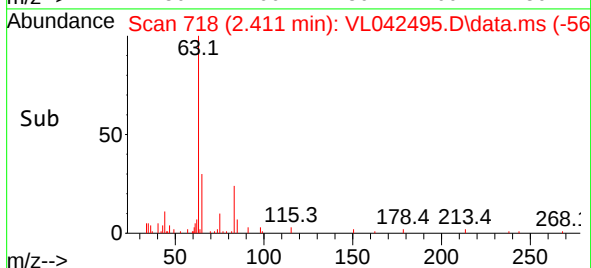
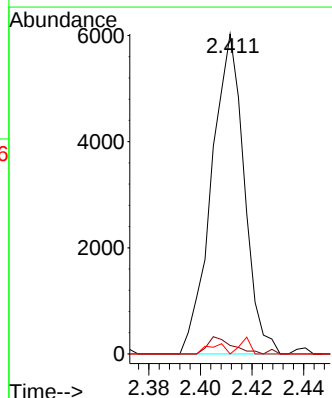
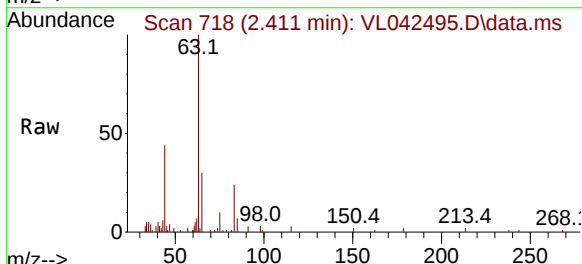
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL1 0.45

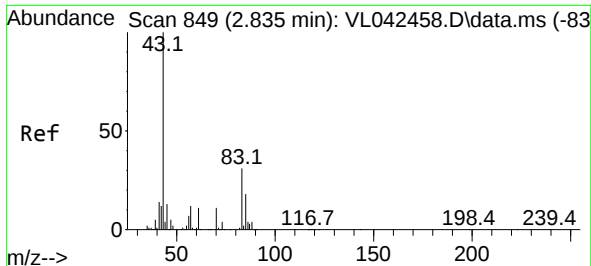
Tgt Ion:	43	Resp:	4763
Ion	Ratio	Lower	Upper
43	100		
86	8.8	5.5	8.3#
42	13.6	8.3	12.5#
44	0.7	4.6	7.0#



#24
 1,1-Dichloroethane
 Concen: 0.598 ppbv
 RT: 2.411 min Scan# 718
 Delta R.T. 0.003 min
 Lab File: VL042495.D
 Acq: 06 May 2025 14:26

Tgt Ion:	63	Resp:	5290
Ion	Ratio	Lower	Upper
63	100		
98	2.6	1.8	5.5
100	0.0	1.4	4.2#

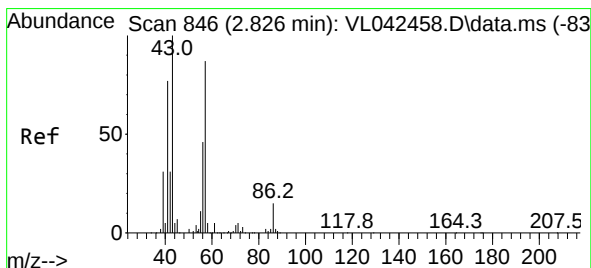
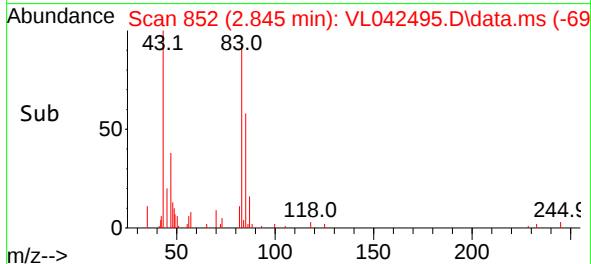
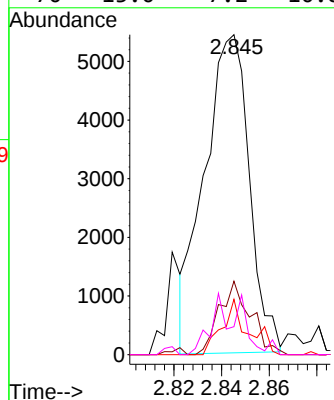
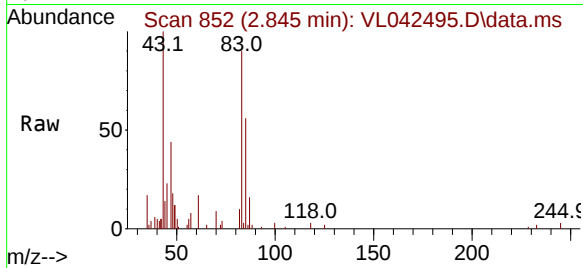




#25
Ethyl Acetate
Concen: 0.374 ppbv
RT: 2.845 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL042495.D
Acq: 06 May 2025 14:26

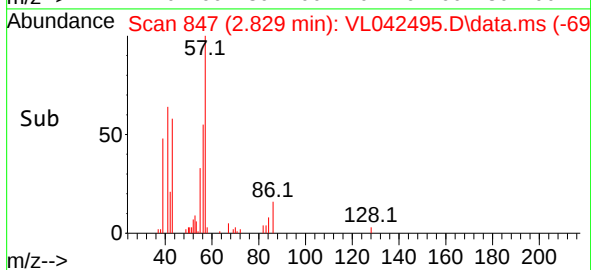
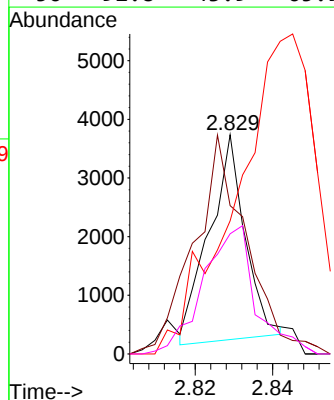
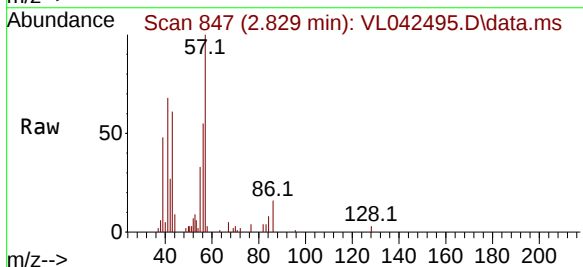
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45

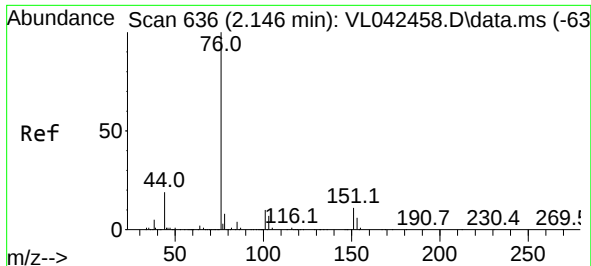
Tgt Ion: 43	Resp: 7124
Ion Ratio	Lower Upper
43 100	
45 16.8	7.8 11.6#
61 10.1	7.2 10.8
70 13.0	7.2 10.8#



#26
Hexane
Concen: 0.270 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.003 min
Lab File: VL042495.D
Acq: 06 May 2025 14:26

Tgt Ion: 57	Resp: 2247
Ion Ratio	Lower Upper
57 100	
41 156.5	77.8 116.8#
43 369.2	187.0 280.6#
56 92.8	43.9 65.9#





#27

Carbon Disulfide

Concen: 0.497 ppbv

RT: 2.153 min Scan# 61

Delta R.T. 0.006 min

Lab File: VL042495.D

Acq: 06 May 2025 14:26

Instrument :

MSVOA_1

ClientSampleId :

MDL1 0.45

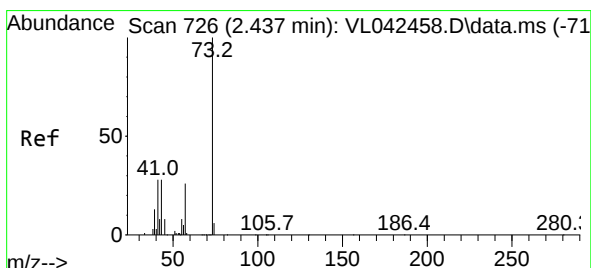
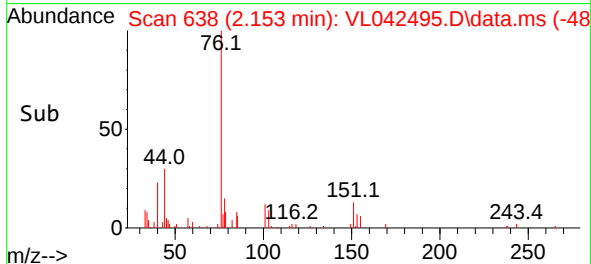
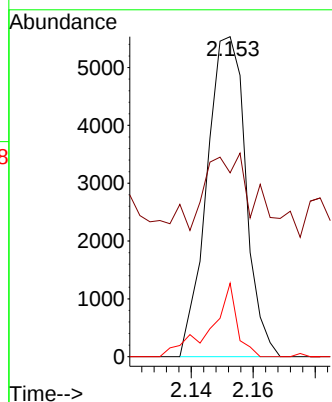
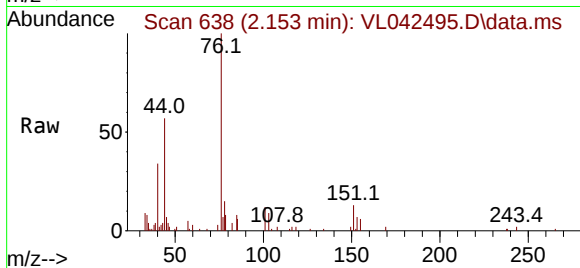
Tgt Ion: 76 Resp: 4823

Ion Ratio Lower Upper

76 100

44 128.2 21.0 31.6#

78 15.6 8.6 13.0#



#28

Methyl tert-Butyl Ether

Concen: 0.241 ppbv

RT: 2.441 min Scan# 727

Delta R.T. 0.003 min

Lab File: VL042495.D

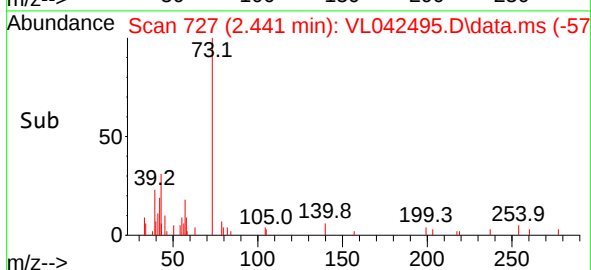
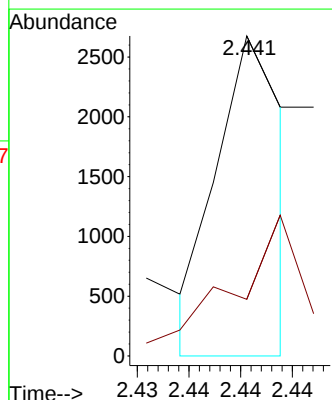
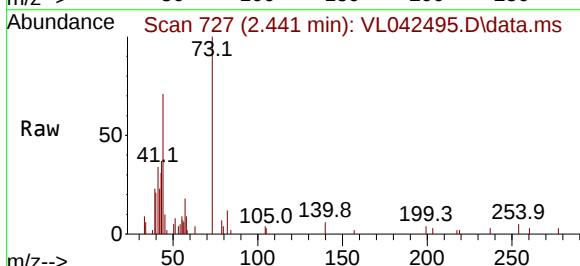
Acq: 06 May 2025 14:26

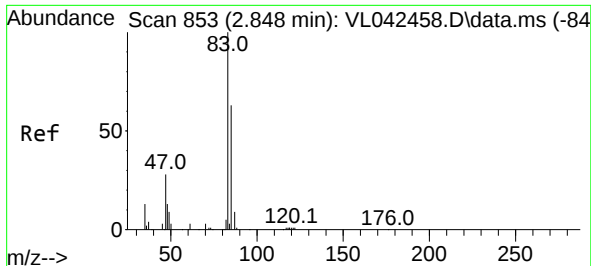
Tgt Ion: 73 Resp: 1204

Ion Ratio Lower Upper

73 100

57 70.2 19.9 29.9#





#29

Chloroform

Concen: 0.566 ppbv

RT: 2.848 min Scan# 853

Delta R.T. 0.000 min

Lab File: VL042495.D

Acq: 06 May 2025 14:26

Instrument :

MSVOA_L

ClientSampleId :

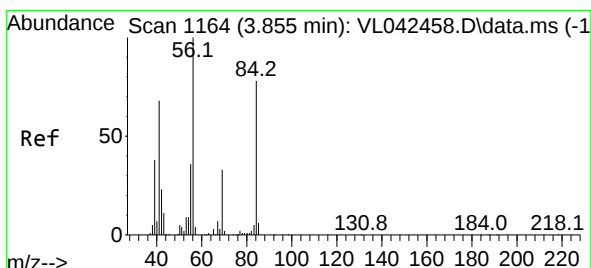
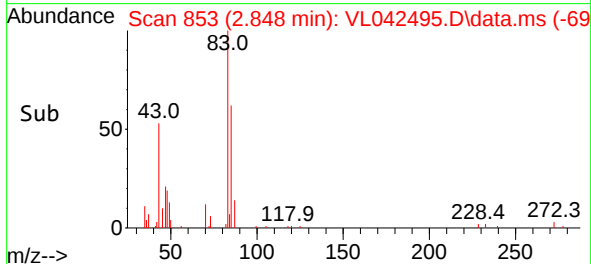
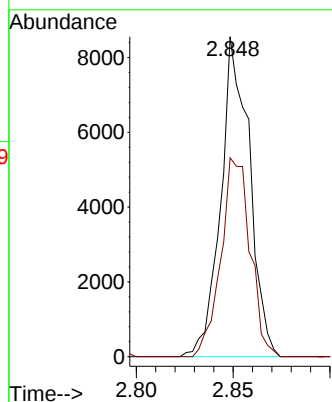
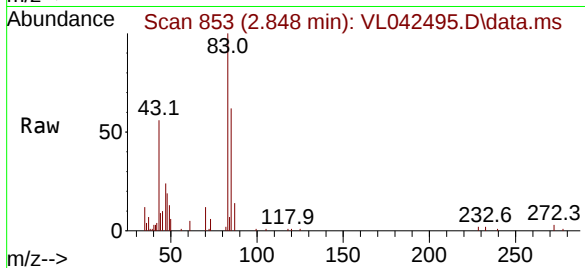
MDL1 0.45

Tgt Ion: 83 Resp: 8819

Ion Ratio Lower Upper

83 100

85 62.2 50.4 75.6



#30

Cyclohexane

Concen: 0.177 ppbv

RT: 3.868 min Scan# 1168

Delta R.T. 0.013 min

Lab File: VL042495.D

Acq: 06 May 2025 14:26

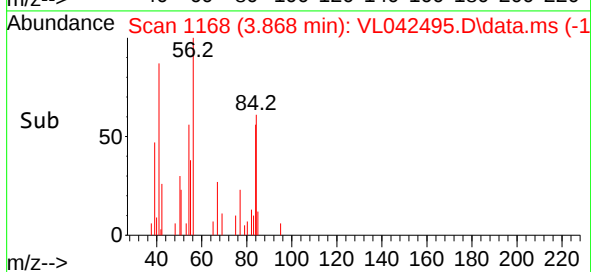
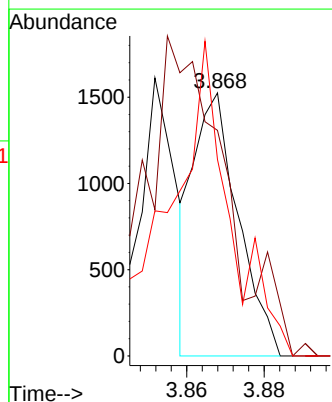
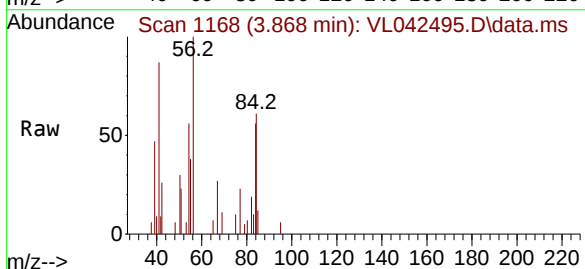
Tgt Ion: 84 Resp: 1226

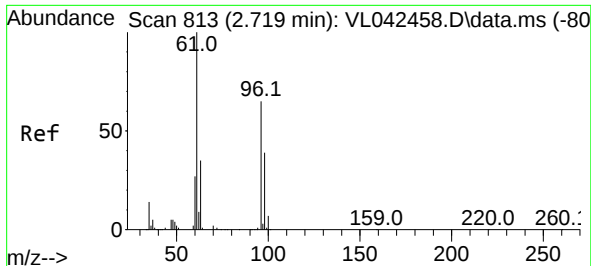
Ion Ratio Lower Upper

84 100

56 0.0 98.1 147.1#

41 163.6 65.8 98.8#

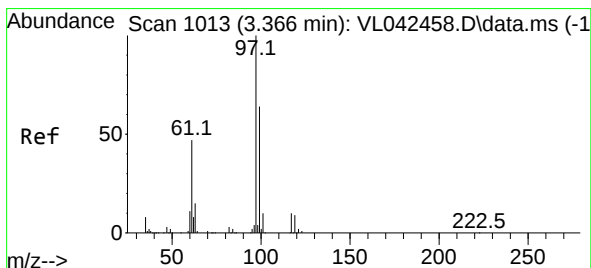
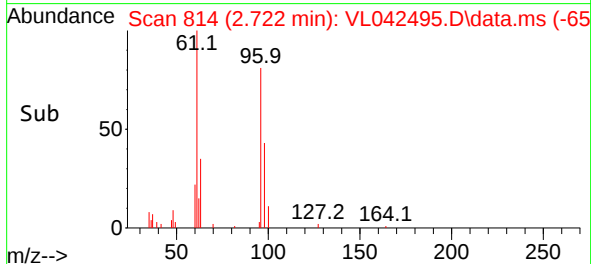
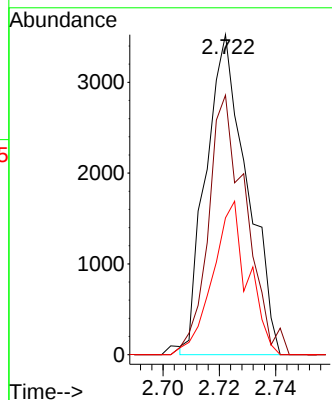
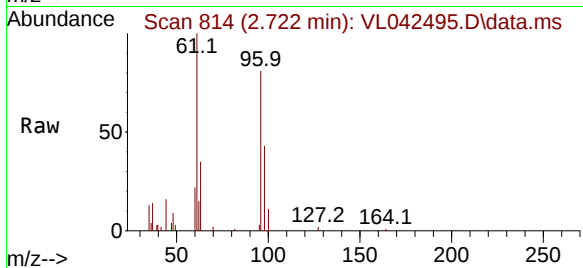




#31
 cis-1,2-Dichloroethene
 Concen: 0.368 ppbv
 RT: 2.722 min Scan# 813
 Delta R.T. 0.003 min
 Lab File: VL042495.D
 Acq: 06 May 2025 14:26

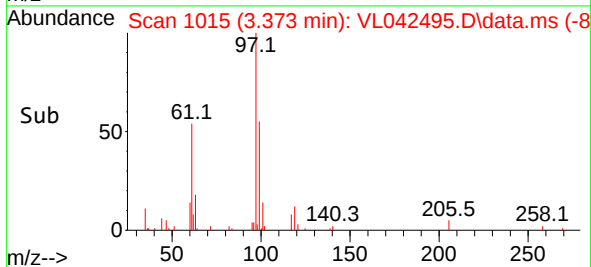
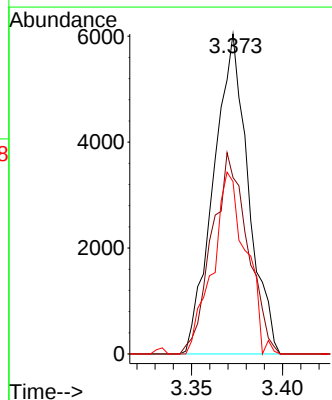
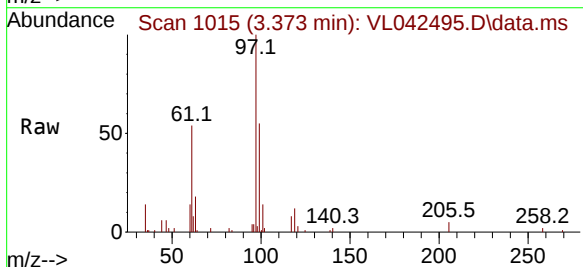
Instrument :
 MSVOA_1
 ClientSampleId :
 MDL1 0.45

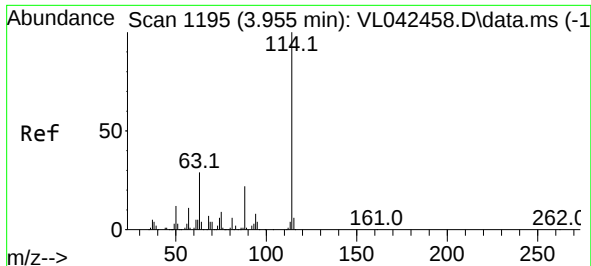
Tgt Ion: 61 Resp: 3566
 Ion Ratio Lower Upper
 61 100
 96 78.8 52.0 78.0#
 98 42.7 31.0 46.6



#32
 1,1,1-Trichloroethane
 Concen: 0.474 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. 0.006 min
 Lab File: VL042495.D
 Acq: 06 May 2025 14:26

Tgt Ion: 97 Resp: 8008
 Ion Ratio Lower Upper
 97 100
 99 65.0 50.7 76.1
 61 54.5 40.9 61.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. 0.006 min

Lab File: VL042495.D

Acq: 06 May 2025 14:26

Instrument :

MSVOA_1

ClientSampleId :

MDL1 0.45

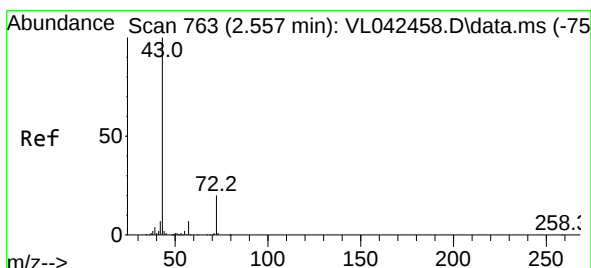
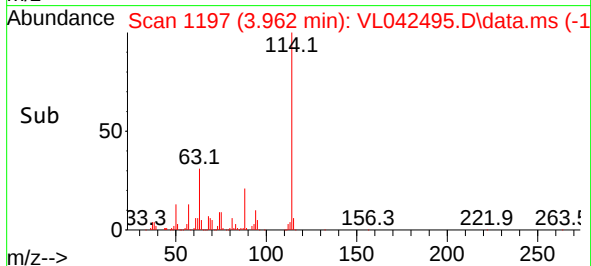
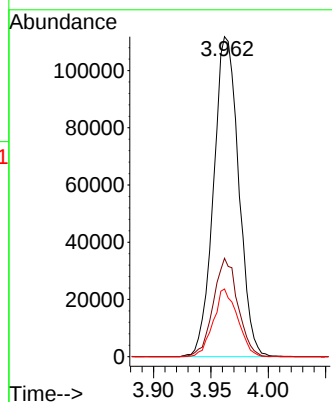
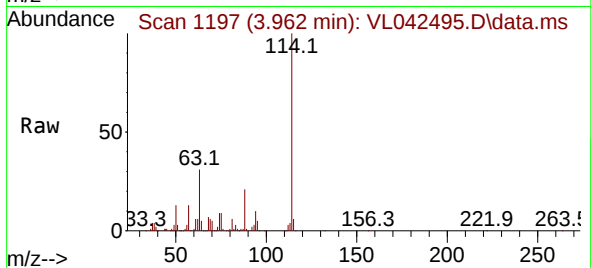
Tgt Ion:114 Resp: 170299

Ion Ratio Lower Upper

114 100

63 30.2 23.1 34.7

88 20.4 16.1 24.1



#34

2-Butanone

Concen: 0.472 ppbv

RT: 2.564 min Scan# 765

Delta R.T. 0.006 min

Lab File: VL042495.D

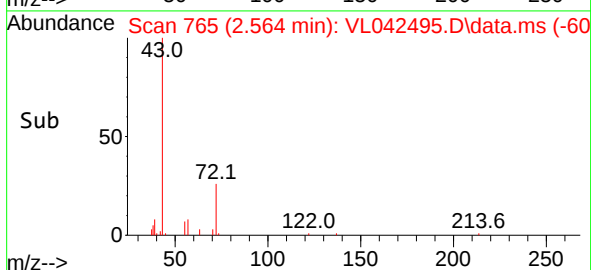
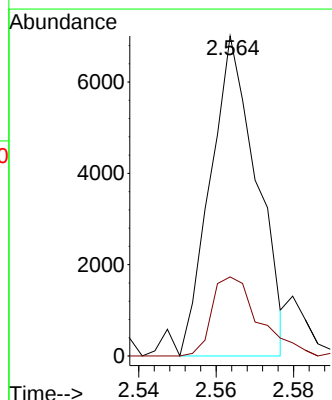
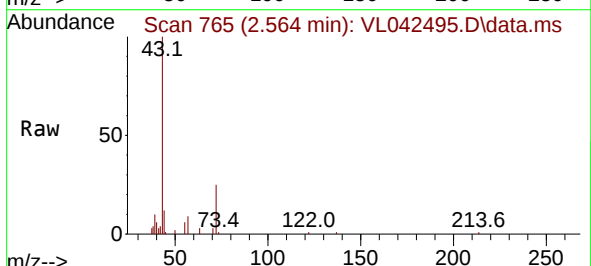
Acq: 06 May 2025 14:26

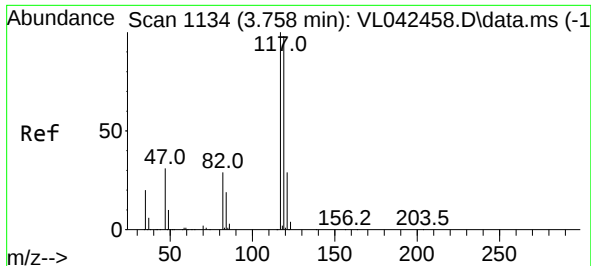
Tgt Ion: 43 Resp: 5810

Ion Ratio Lower Upper

43 100

72 25.6 16.7 25.1#

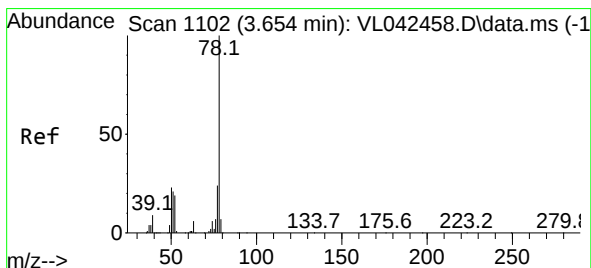
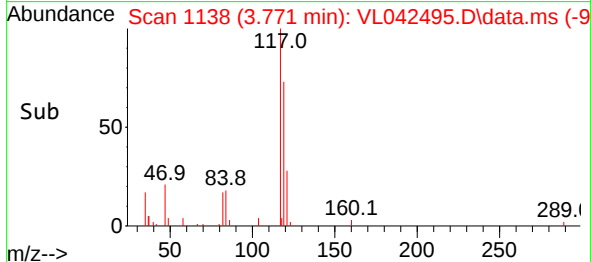
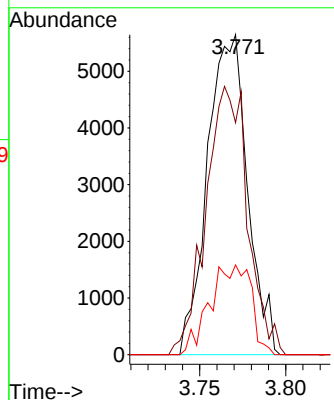
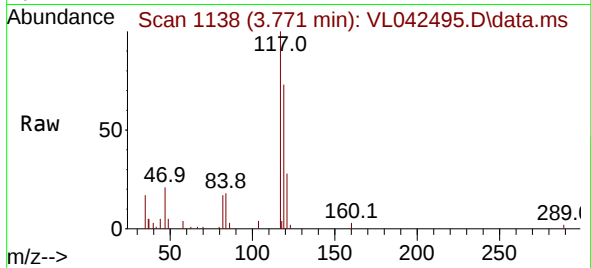




#35
Carbon Tetrachloride
Concen: 0.591 ppbv
RT: 3.771 min Scan# 1138
Delta R.T. 0.013 min
Lab File: VL042495.D
Acq: 06 May 2025 14:26

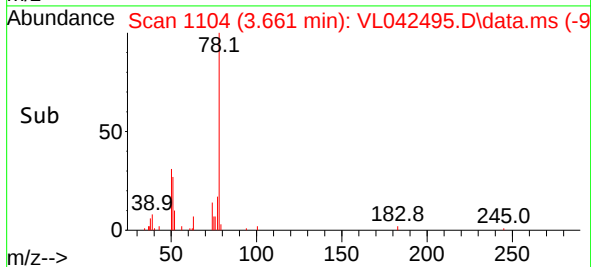
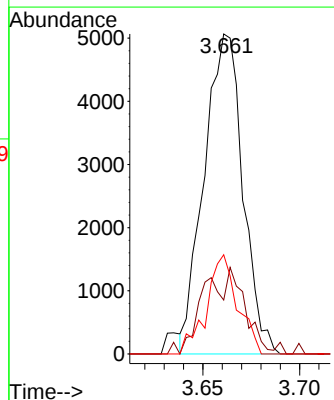
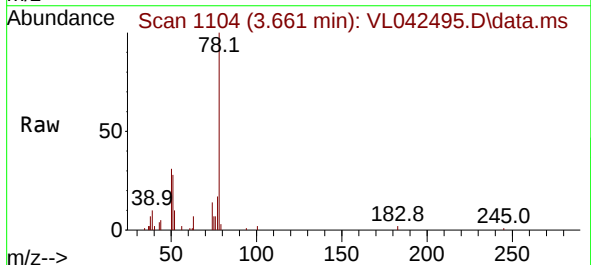
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45

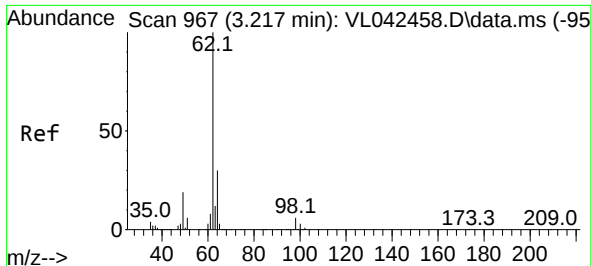
Tgt Ion:117 Resp: 9149
Ion Ratio Lower Upper
117 100
119 67.6 78.1 117.1#
121 27.0 23.0 34.6



#36
Benzene
Concen: 0.439 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. 0.006 min
Lab File: VL042495.D
Acq: 06 May 2025 14:26

Tgt Ion: 78 Resp: 7063
Ion Ratio Lower Upper
78 100
77 16.9 18.9 28.3#
50 31.0 18.4 27.6#

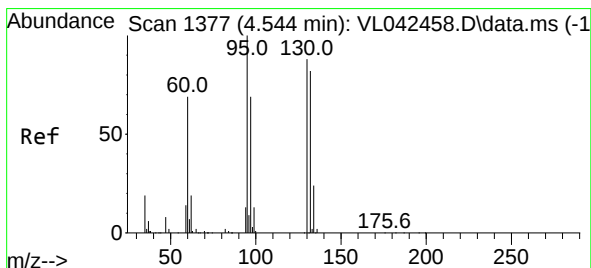
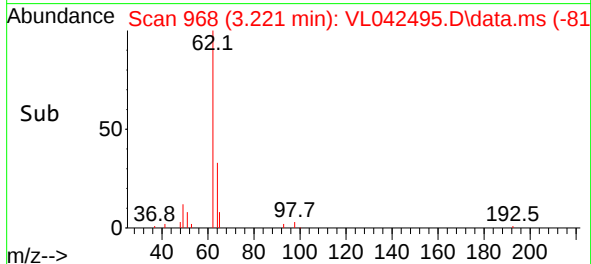
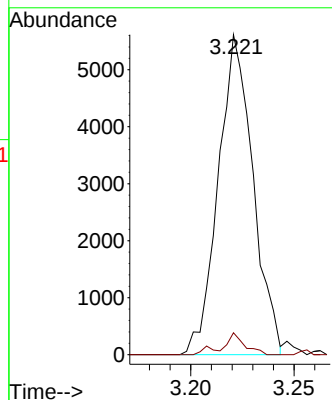
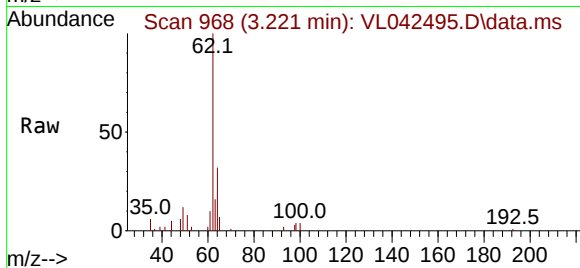




#37
1,2-Dichloroethane
Concen: 0.530 ppbv
RT: 3.221 min Scan# 90
Delta R.T. 0.003 min
Lab File: VL042495.D
Acq: 06 May 2025 14:26

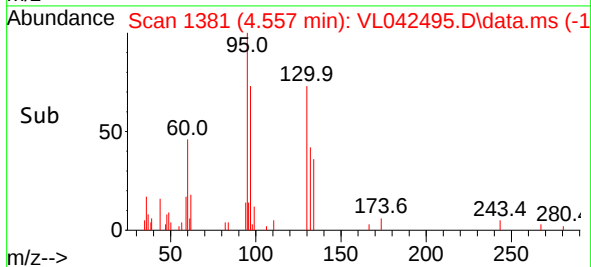
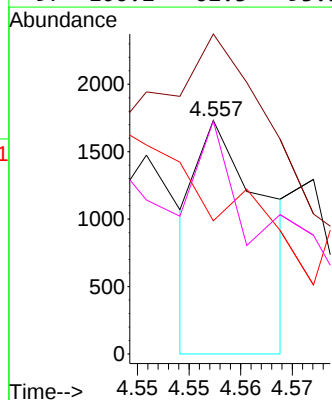
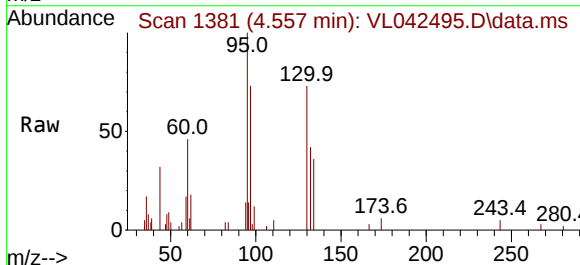
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45

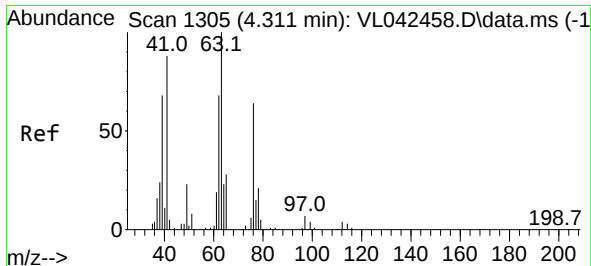
Tgt Ion: 62 Resp: 6563
Ion Ratio Lower Upper
62 100
98 4.3 4.3 6.5



#38
Trichloroethene
Concen: 0.129 ppbv
RT: 4.557 min Scan# 1381
Delta R.T. 0.013 min
Lab File: VL042495.D
Acq: 06 May 2025 14:26

Tgt Ion:130 Resp: 793
Ion Ratio Lower Upper
130 100
95 117.6 91.0 136.4
132 10.6 74.2 111.4#
97 106.2 62.3 93.5#





#39

1,2-Dichloropropane

Concen: 0.122 ppbv

RT: 4.315 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL042495.D

Acq: 06 May 2025 14:26

Instrument :

MSVOA_L

ClientSampleId :

MDL1 0.45

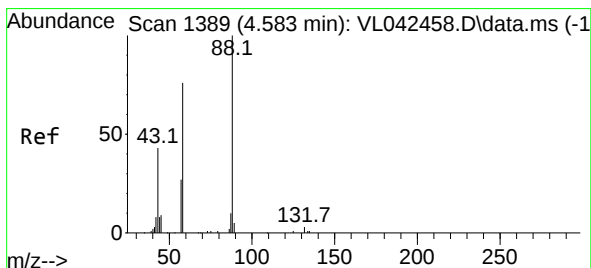
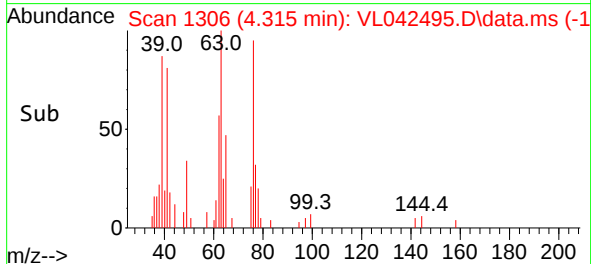
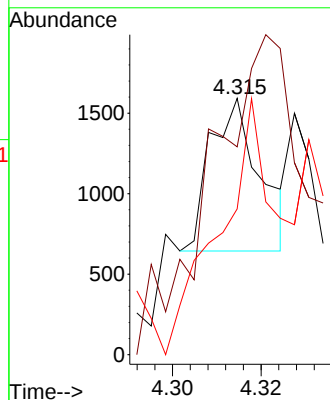
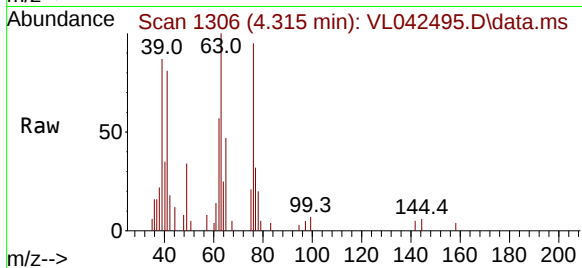
Tgt Ion: 63 Resp: 732

Ion Ratio Lower Upper

63 100

41 73.7 69.8 104.6

62 63.2 54.3 81.5



#40

1,4-Dioxane

Concen: 0.229 ppbv

RT: 4.609 min Scan# 1397

Delta R.T. 0.026 min

Lab File: VL042495.D

Acq: 06 May 2025 14:26

Tgt Ion: 88 Resp: 644

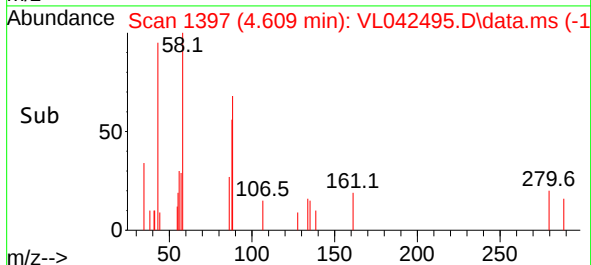
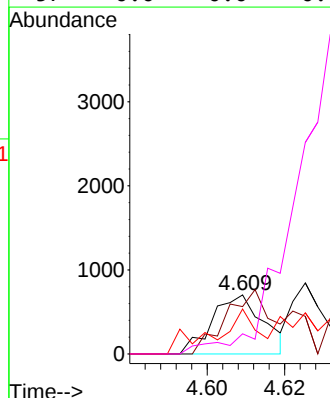
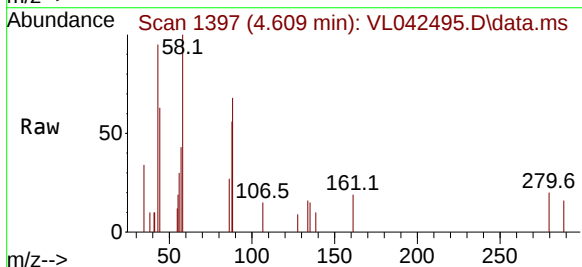
Ion Ratio Lower Upper

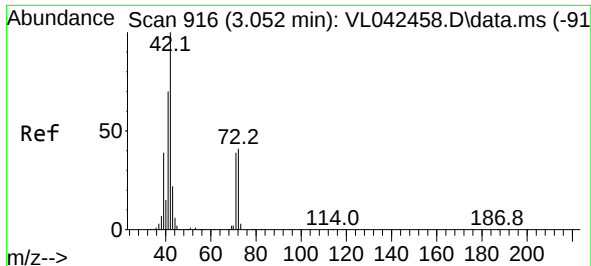
88 100

58 227.8 0.0 0.0#

43 0.0 0.0 0.0

57 0.0 0.0 0.0

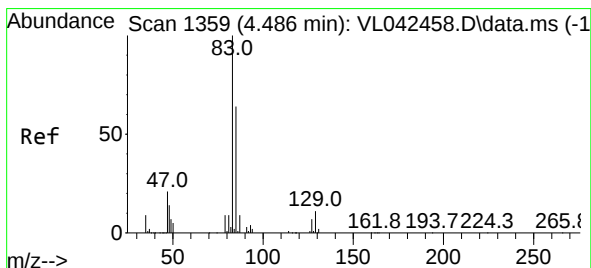
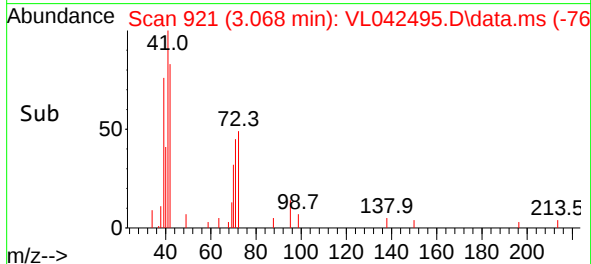
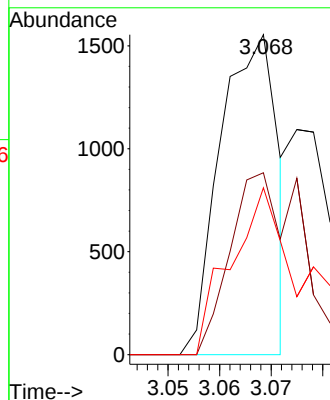
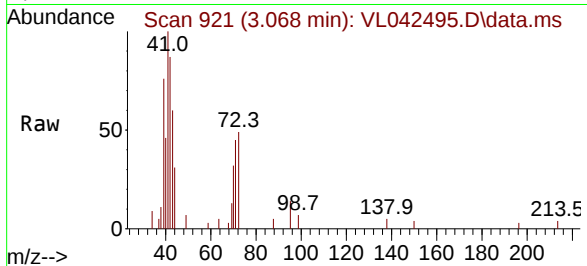




#41
Tetrahydrofuran
Concen: 0.206 ppbv
RT: 3.068 min Scan# 916
Delta R.T. 0.016 min
Lab File: VL042495.D
Acq: 06 May 2025 14:26

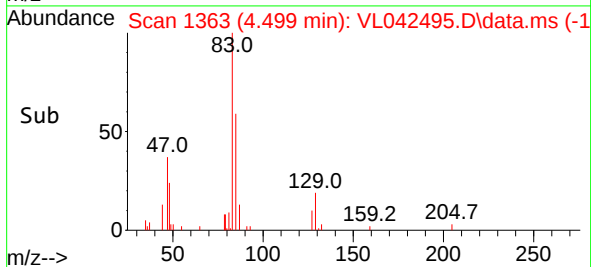
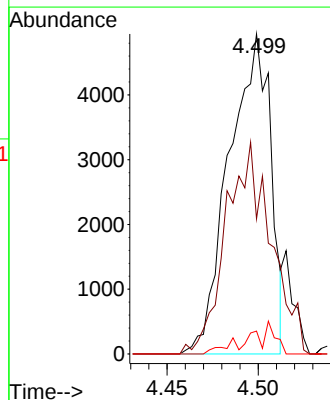
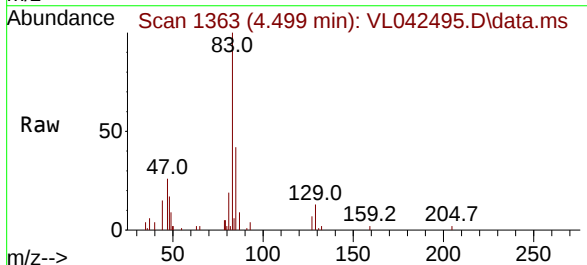
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45

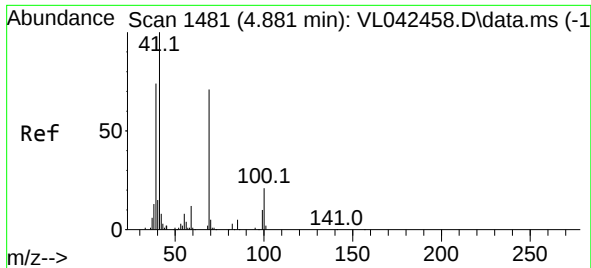
Tgt Ion: 42 Resp: 1204
Ion Ratio Lower Upper
42 100
72 73.5 33.5 50.3#
71 67.9 32.6 49.0#



#42
Bromodichloromethane
Concen: 0.517 ppbv
RT: 4.499 min Scan# 1363
Delta R.T. 0.013 min
Lab File: VL042495.D
Acq: 06 May 2025 14:26

Tgt Ion: 83 Resp: 7820
Ion Ratio Lower Upper
83 100
85 42.2 51.5 77.3#
127 7.2 5.4 8.2

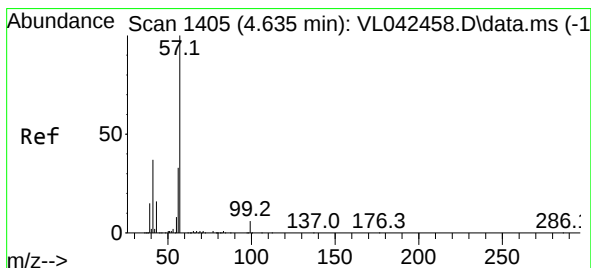
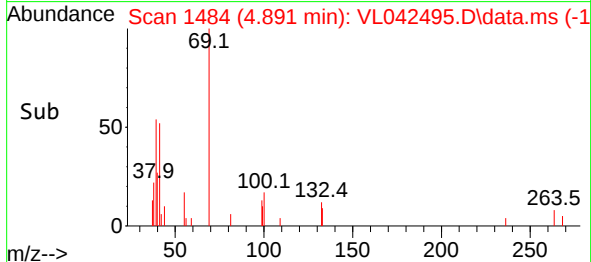
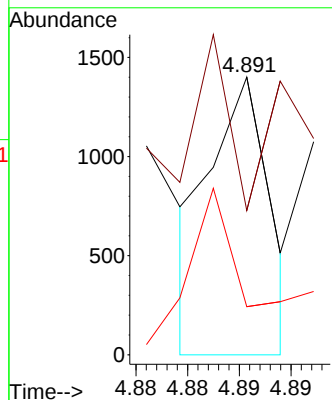
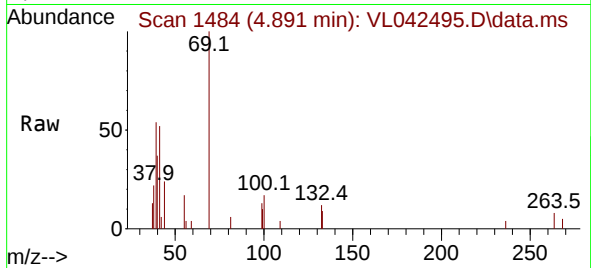




#43
Methyl Methacrylate
Concen: 0.093 ppbv
RT: 4.891 min Scan# 1484
Delta R.T. 0.010 min
Lab File: VL042495.D
Acq: 06 May 2025 14:26

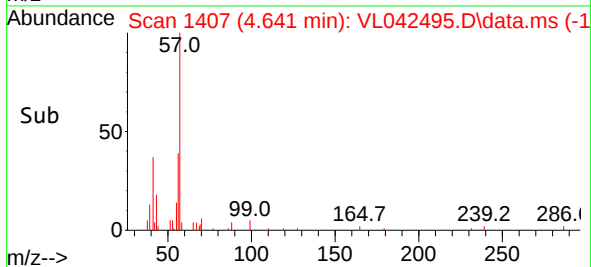
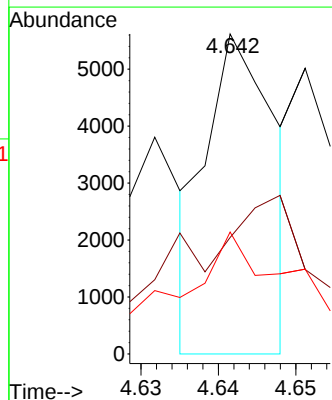
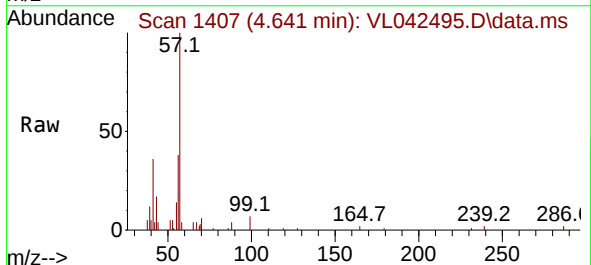
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45

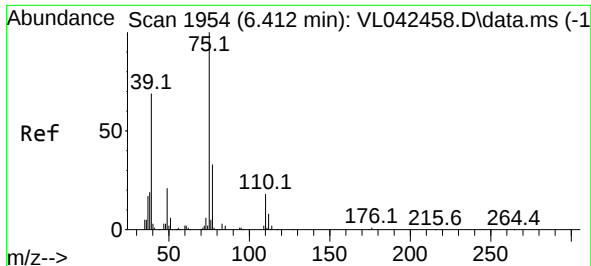
Tgt Ion: 69 Resp: 555
Ion Ratio Lower Upper
69 100
41 0.0 120.8 181.2#
100 106.1 26.7 40.1#



#44
2,2,4-Trimethylpentane
Concen: 0.132 ppbv
RT: 4.641 min Scan# 1407
Delta R.T. 0.006 min
Lab File: VL042495.D
Acq: 06 May 2025 14:26

Tgt Ion: 57 Resp: 3434
Ion Ratio Lower Upper
57 100
41 0.0 30.6 45.8#
56 105.6 25.0 37.6#

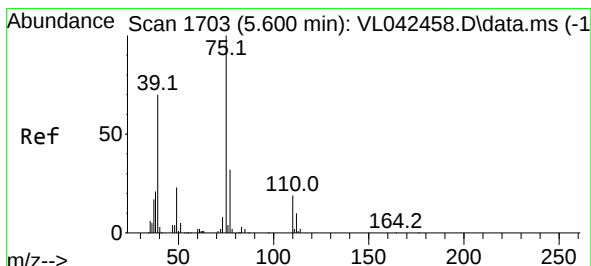
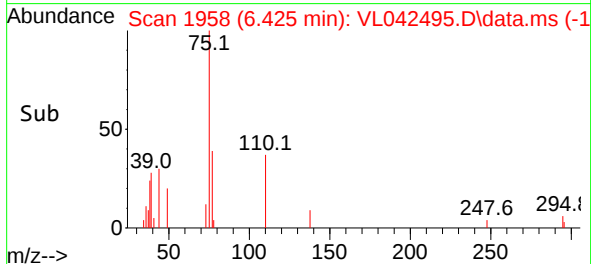
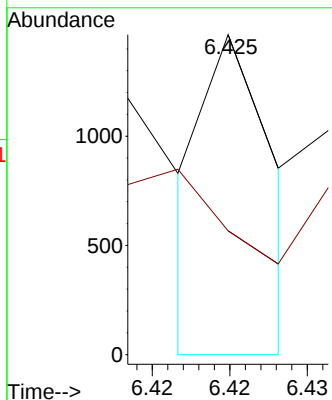
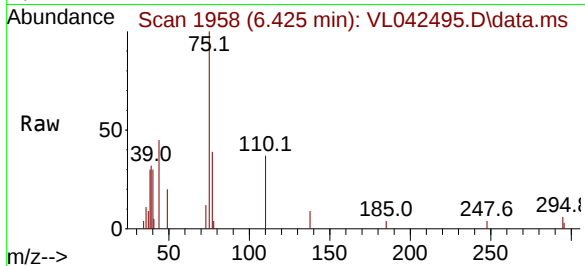




#45
 t-1,3-Dichloropropene
 Concen: 0.057 ppbv
 RT: 6.425 min Scan# 1954
 Delta R.T. 0.013 min
 Lab File: VL042495.D
 Acq: 06 May 2025 14:26

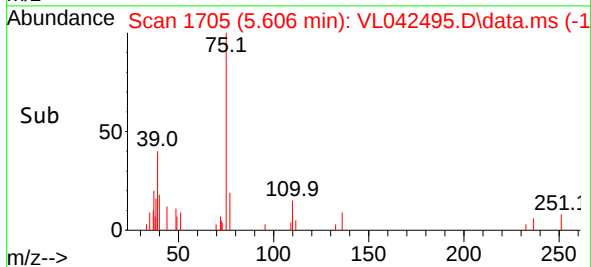
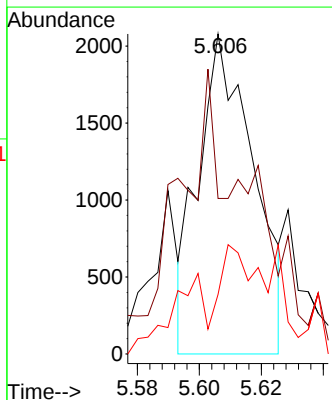
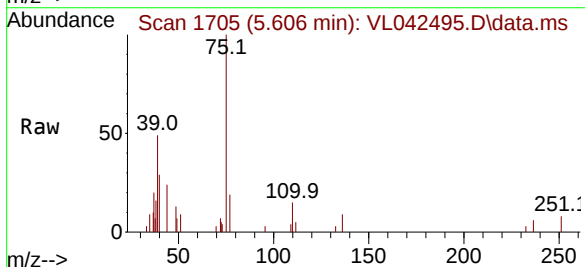
Instrument :
 MSVOA_1
 ClientSampleId :
 MDL1 0.45

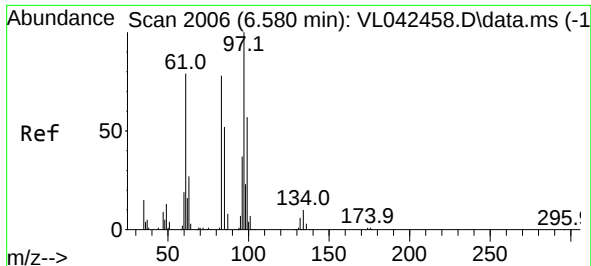
Tgt Ion: 75 Resp: 450
 Ion Ratio Lower Upper
 75 100
 77 38.7 26.3 39.5



#46
 cis-1,3-Dichloropropene
 Concen: 0.274 ppbv
 RT: 5.606 min Scan# 1705
 Delta R.T. 0.007 min
 Lab File: VL042495.D
 Acq: 06 May 2025 14:26

Tgt Ion: 75 Resp: 2563
 Ion Ratio Lower Upper
 75 100
 39 34.1 55.7 83.5#
 77 0.0 25.8 38.8#





#47

1,1,2-Trichloroethane

Concen: 0.232 ppbv

RT: 6.593 min Scan# 2006

Delta R.T. 0.013 min

Lab File: VL042495.D

Acq: 06 May 2025 14:26

Instrument :

MSVOA_L

ClientSampleId :

MDL1 0.45

Tgt Ion: 97 Resp: 1533

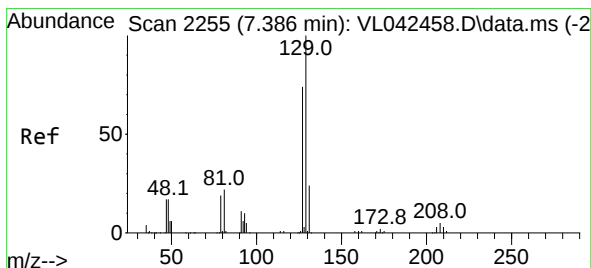
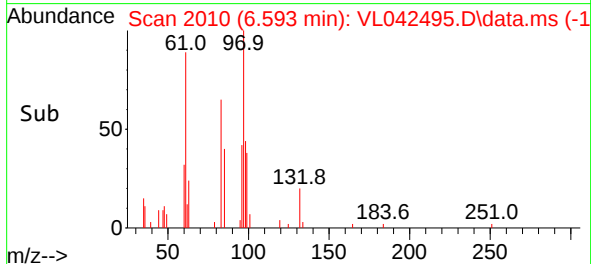
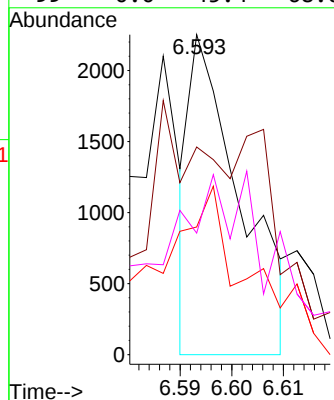
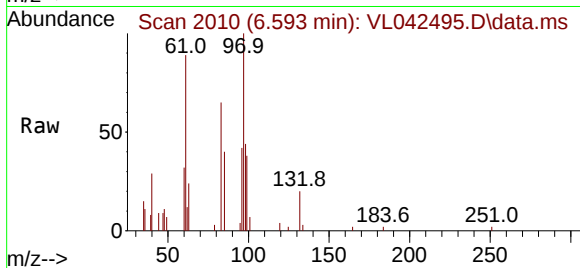
Ion Ratio Lower Upper

97 100

83 56.9 62.2 93.2#

85 36.0 41.5 62.3#

99 0.0 45.4 68.0#



#48

Dibromochloromethane

Concen: 0.431 ppbv

RT: 7.393 min Scan# 2257

Delta R.T. 0.006 min

Lab File: VL042495.D

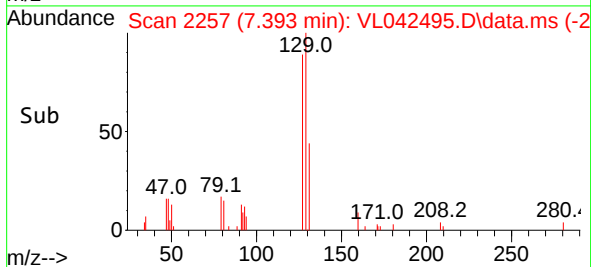
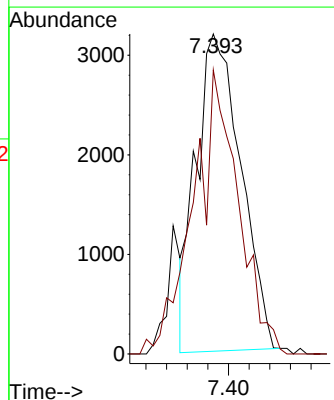
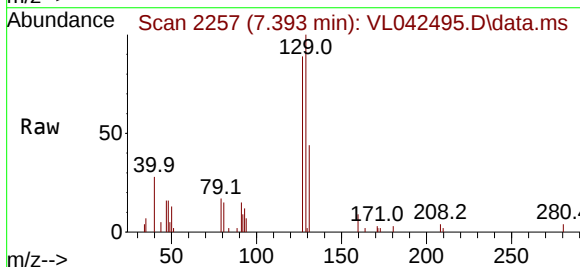
Acq: 06 May 2025 14:26

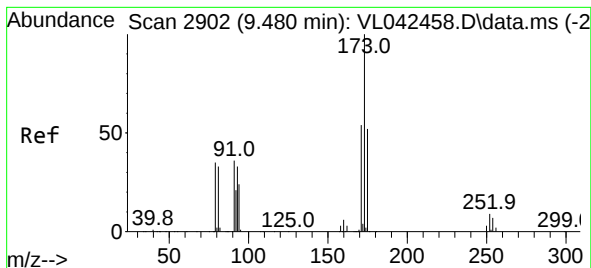
Tgt Ion: 129 Resp: 4803

Ion Ratio Lower Upper

129 100

127 89.6 39.5 118.5





#49

Bromoform

Concen: 0.163 ppbv

RT: 9.496 min Scan# 2907

Delta R.T. 0.016 min

Lab File: VL042495.D

Acq: 06 May 2025 14:26

Instrument :

MSVOA_L

ClientSampleId :

MDL1 0.45

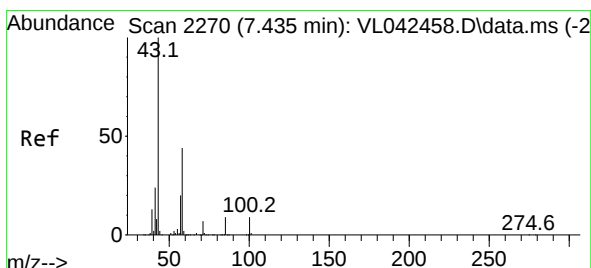
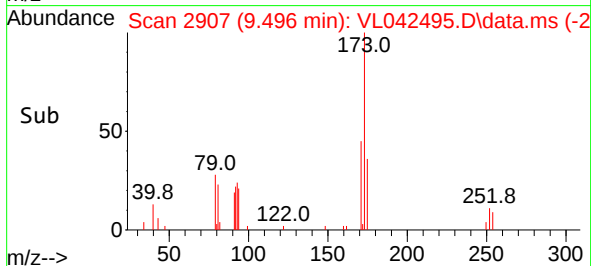
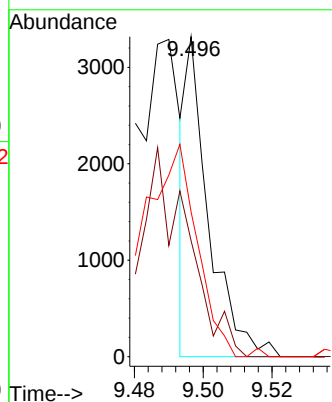
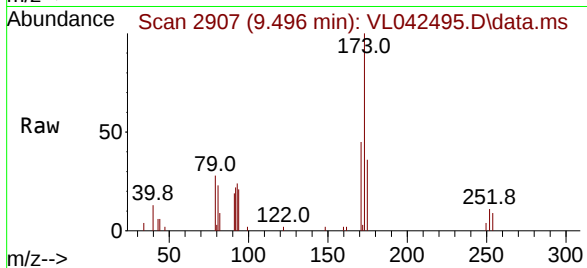
Tgt Ion:173 Resp: 1521

Ion Ratio Lower Upper

173 100

175 0.0 38.9 58.3#

171 164.2 40.6 60.8#



#51

2-Hexanone

Concen: 0.143 ppbv

RT: 7.454 min Scan# 2276

Delta R.T. 0.019 min

Lab File: VL042495.D

Acq: 06 May 2025 14:26

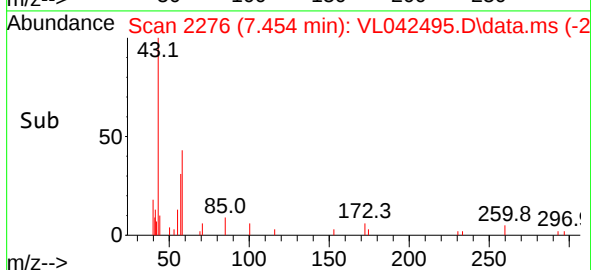
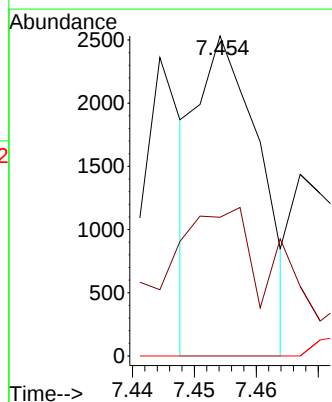
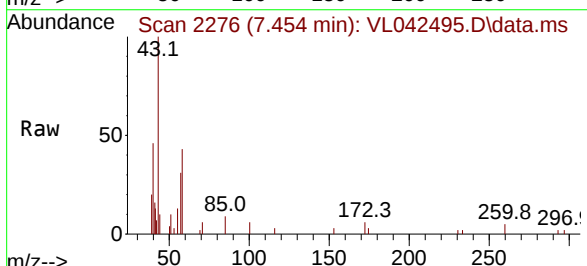
Tgt Ion: 43 Resp: 1780

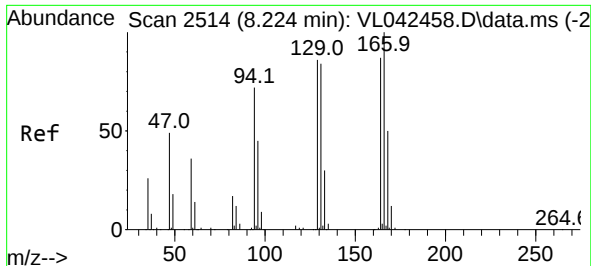
Ion Ratio Lower Upper

43 100

58 109.2 37.2 55.8#

98 0.0 0.4 0.6#

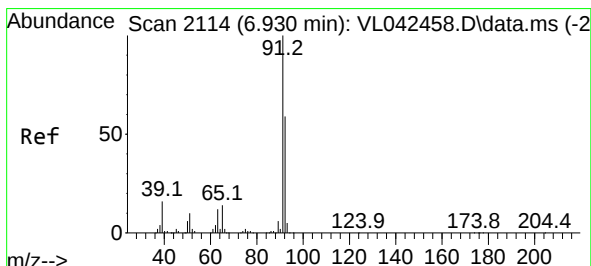
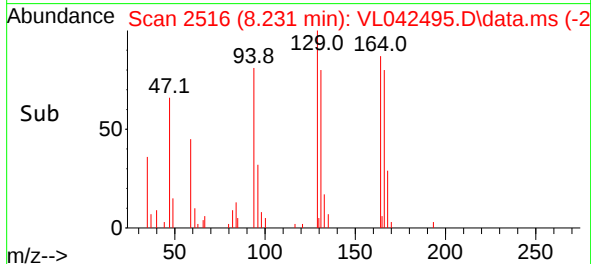
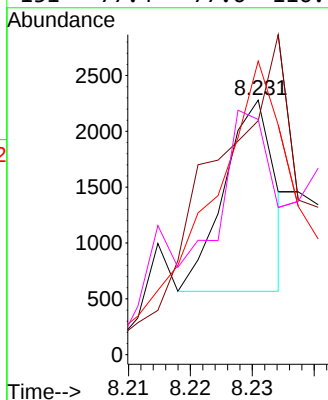
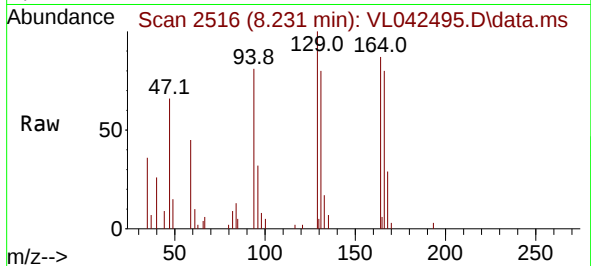




#52
Tetrachloroethene
Concen: 0.159 ppbv
RT: 8.231 min Scan# 2114
Delta R.T. 0.006 min
Lab File: VL042495.D
Acq: 06 May 2025 14:26

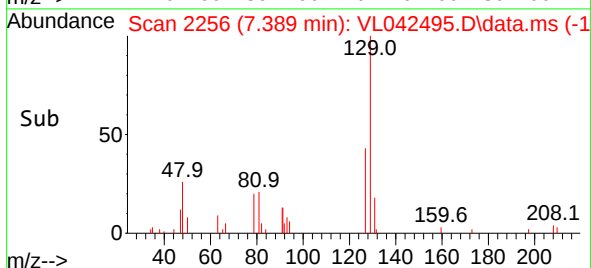
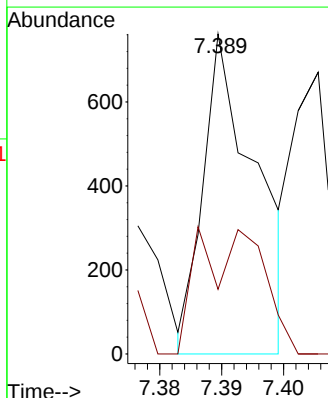
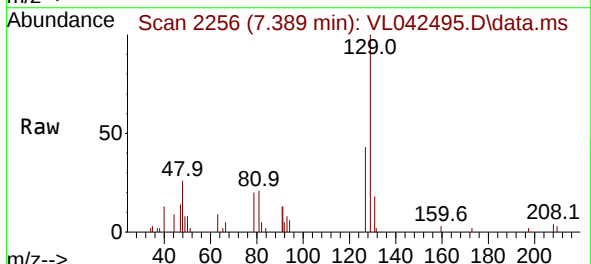
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45

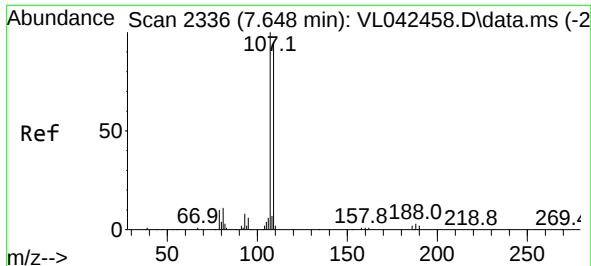
Tgt Ion:	164	Resp:	975
Ion	Ratio	Lower	Upper
164	100		
166	73.2	91.6	137.4#
129	107.0	79.0	118.4
131	77.4	77.6	116.4#



#53
Toluene
Concen: 0.027 ppbv
RT: 7.389 min Scan# 2256
Delta R.T. 0.460 min
Lab File: VL042495.D
Acq: 06 May 2025 14:26

Tgt Ion:	91	Resp:	451
Ion	Ratio	Lower	Upper
91	100		
92	54.1	47.9	71.9





#54

1,2-Dibromoethane

Concen: 0.465 ppbv

RT: 7.658 min Scan# 21

Delta R.T. 0.010 min

Lab File: VL042495.D

Acq: 06 May 2025 14:26

Instrument :

MSVOA_L

ClientSampleId :

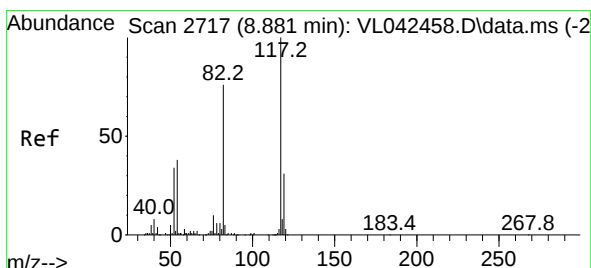
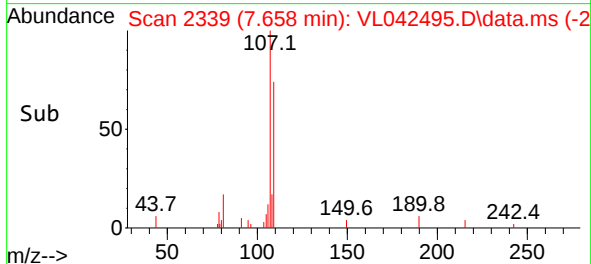
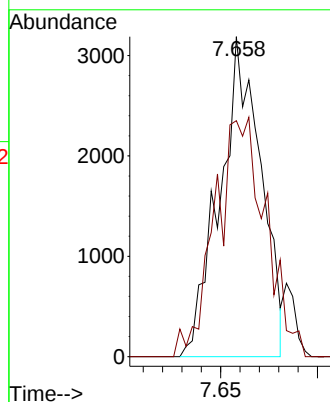
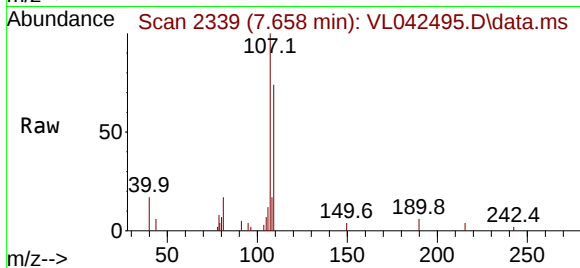
MDL1 0.45

Tgt Ion:107 Resp: 4690

Ion Ratio Lower Upper

107 100

109 66.5 76.0 114.0#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.888 min Scan# 2719

Delta R.T. 0.007 min

Lab File: VL042495.D

Acq: 06 May 2025 14:26

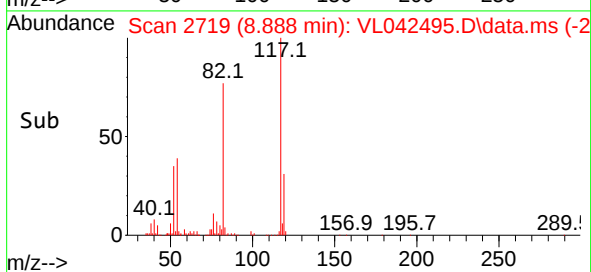
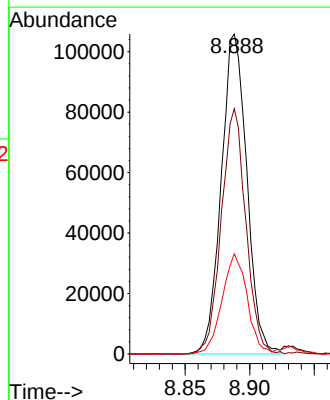
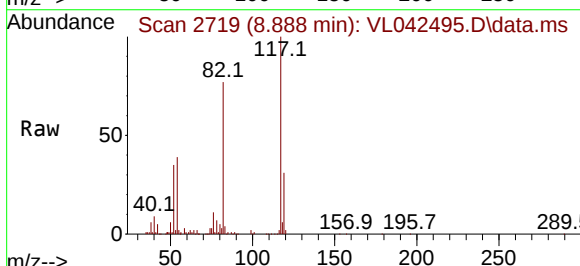
Tgt Ion:117 Resp: 146099

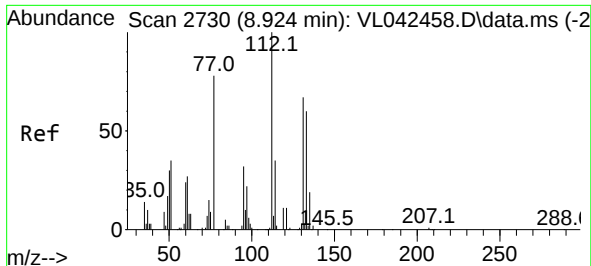
Ion Ratio Lower Upper

117 100

82 73.6 63.5 95.3

119 30.8 25.8 38.8

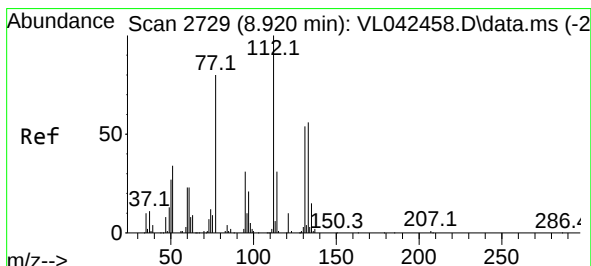
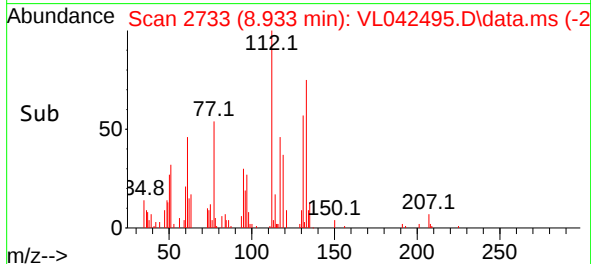
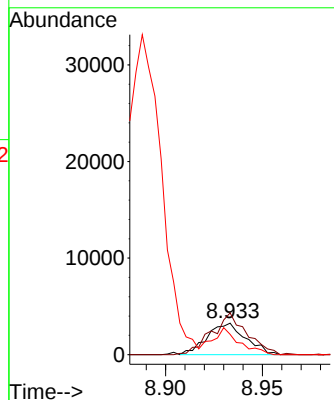
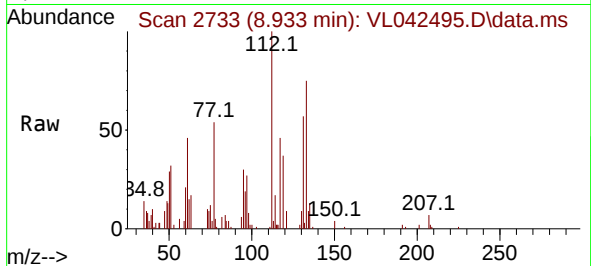




#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.522 ppbv
 RT: 8.933 min Scan# 21
 Delta R.T. 0.010 min
 Lab File: VL042495.D
 Acq: 06 May 2025 14:26

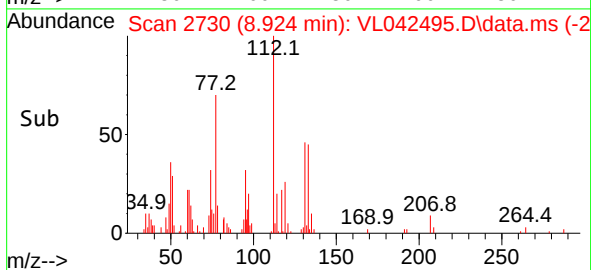
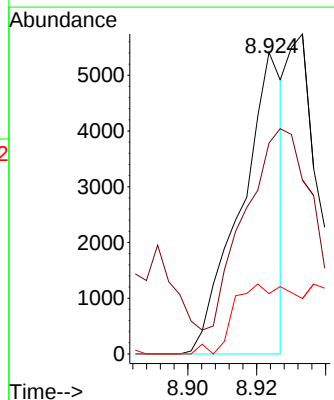
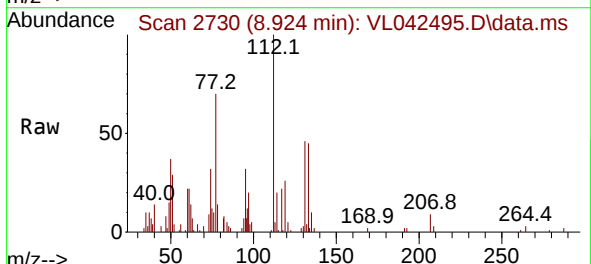
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL1 0.45

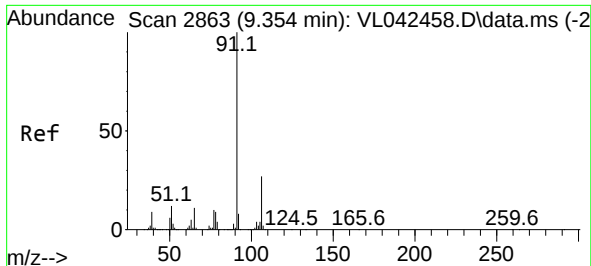
Tgt Ion:131 Resp: 4504
 Ion Ratio Lower Upper
 131 100
 133 121.9 76.0 114.0#
 119 0.0 46.1 69.1#



#57
 Chlorobenzene
 Concen: 0.310 ppbv
 RT: 8.924 min Scan# 2730
 Delta R.T. 0.003 min
 Lab File: VL042495.D
 Acq: 06 May 2025 14:26

Tgt Ion:112 Resp: 4544
 Ion Ratio Lower Upper
 112 100
 77 50.2 65.0 97.4#
 114 20.0 27.5 33.7#

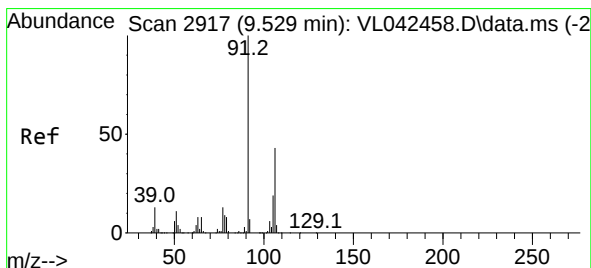
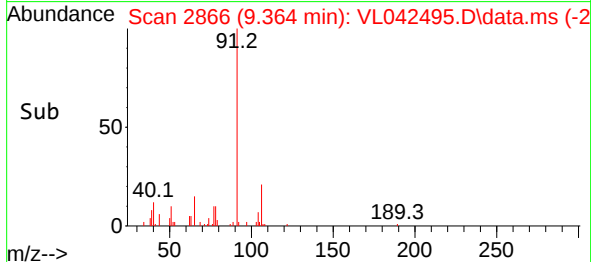
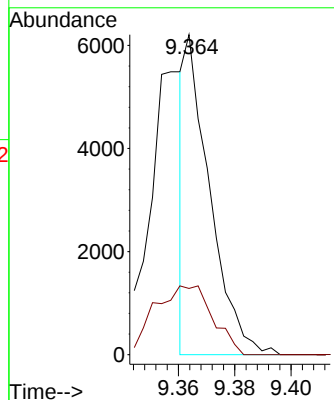
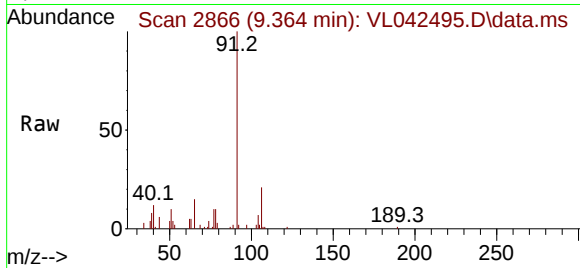




#58
Ethyl Benzene
Concen: 0.156 ppbv
RT: 9.364 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL042495.D
Acq: 06 May 2025 14:26

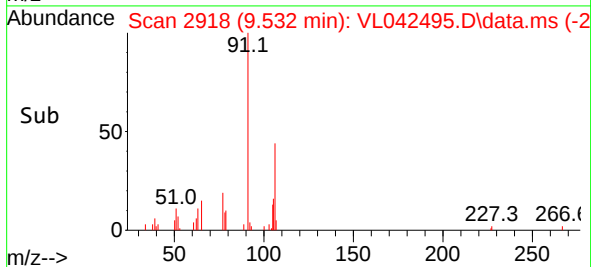
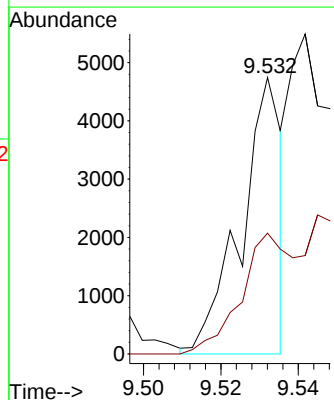
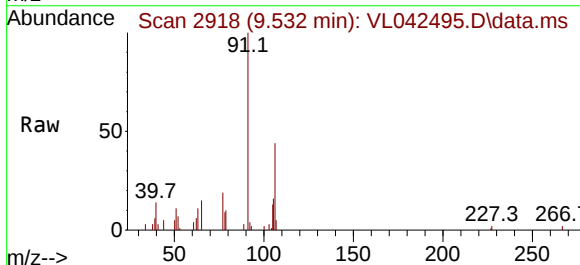
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45

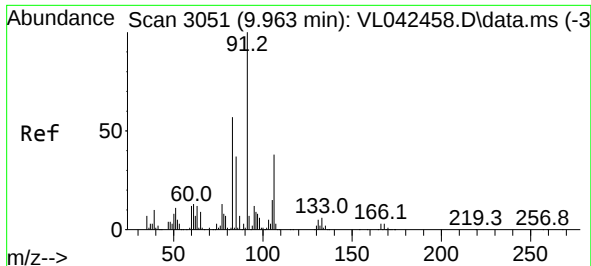
Tgt Ion: 91 Resp: 3800
Ion Ratio Lower Upper
91 100
106 20.7 21.9 32.9#



#59
m/p-Xylene
Concen: 0.168 ppbv
RT: 9.532 min Scan# 2918
Delta R.T. 0.003 min
Lab File: VL042495.D
Acq: 06 May 2025 14:26

Tgt Ion: 91 Resp: 3447
Ion Ratio Lower Upper
91 100
106 0.0 34.2 51.2#

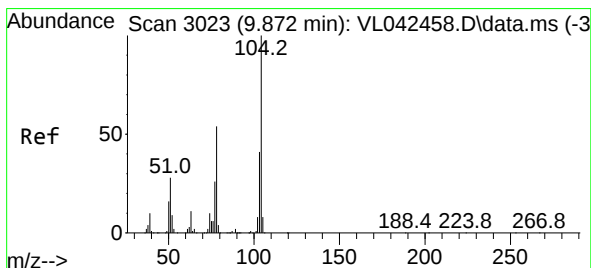
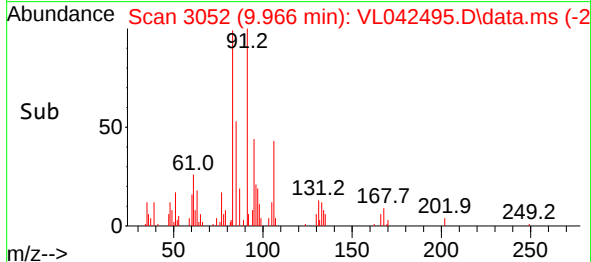
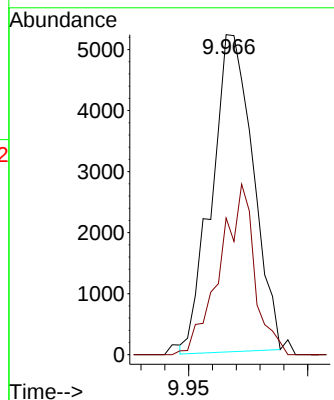
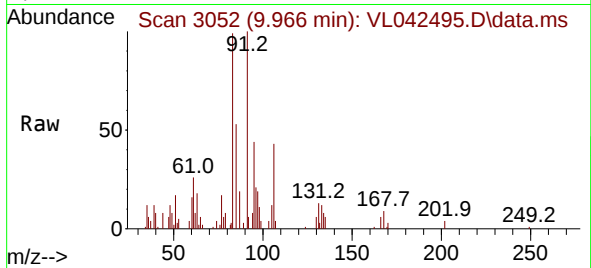




#60
o-Xylene
Concen: 0.306 ppbv
RT: 9.966 min Scan# 3051
Delta R.T. 0.003 min
Lab File: VL042495.D
Acq: 06 May 2025 14:26

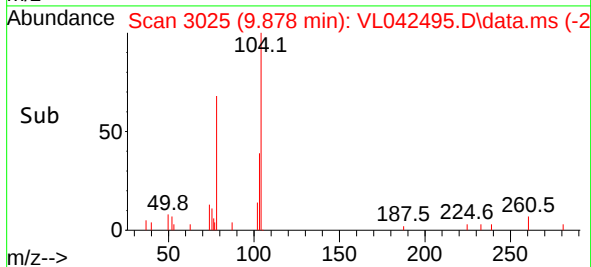
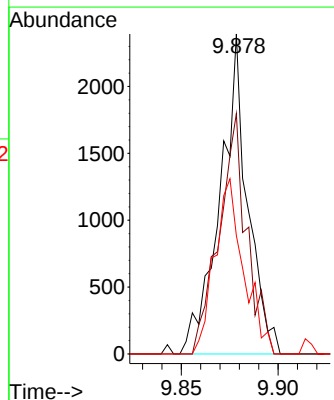
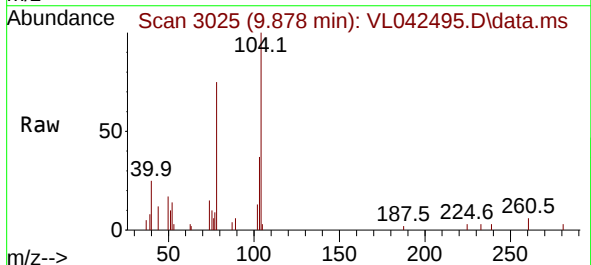
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45

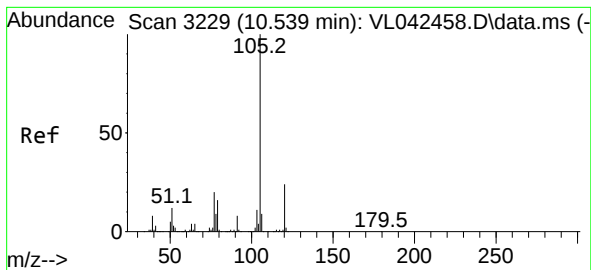
Tgt Ion: 91 Resp: 6273
Ion Ratio Lower Upper
91 100
106 44.8 20.1 60.2



#61
Styrene
Concen: 0.311 ppbv
RT: 9.878 min Scan# 3025
Delta R.T. 0.007 min
Lab File: VL042495.D
Acq: 06 May 2025 14:26

Tgt Ion: 104 Resp: 2382
Ion Ratio Lower Upper
104 100
78 75.4 46.9 70.3#
103 58.7 36.6 55.0#





#62

Isopropylbenzene

Concen: 0.369 ppbv

RT: 10.542 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL042495.D

Acq: 06 May 2025 14:26

Instrument :

MSVOA_L

ClientSampleId :

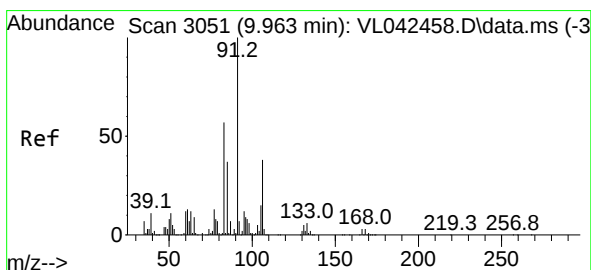
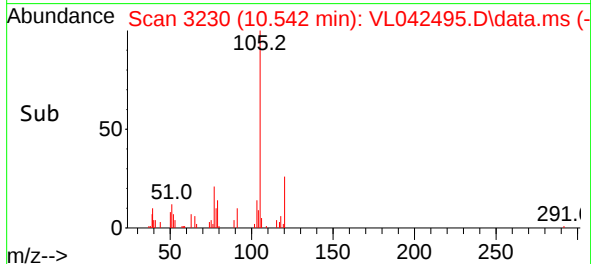
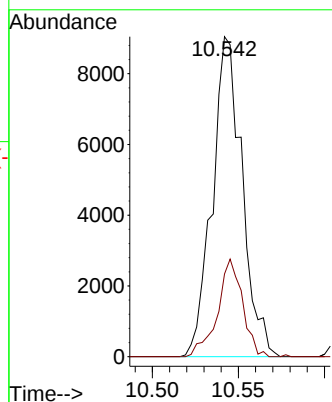
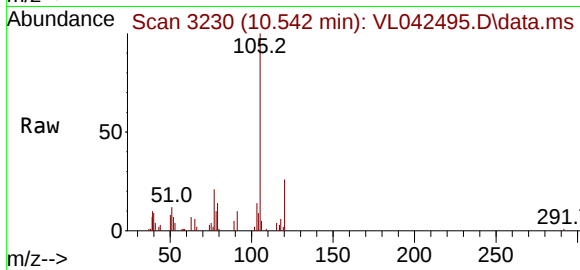
MDL1 0.45

Tgt Ion:105 Resp: 10906

Ion Ratio Lower Upper

105 100

120 25.6 18.8 28.2



#63

1,1,2,2-Tetrachloroethane

Concen: 0.509 ppbv

RT: 9.972 min Scan# 3054

Delta R.T. 0.010 min

Lab File: VL042495.D

Acq: 06 May 2025 14:26

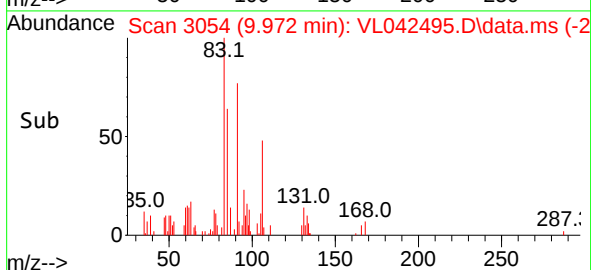
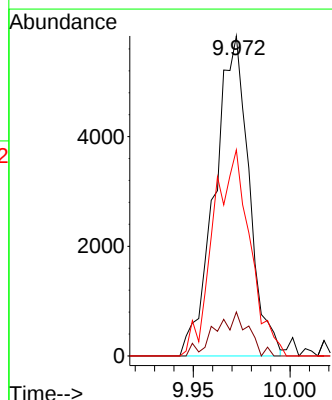
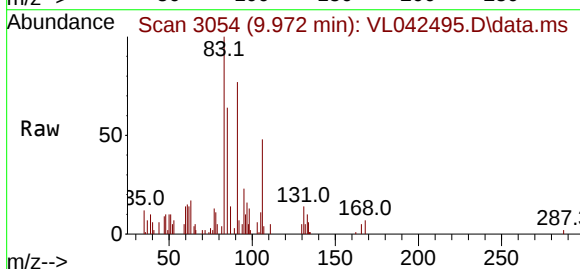
Tgt Ion: 83 Resp: 7186

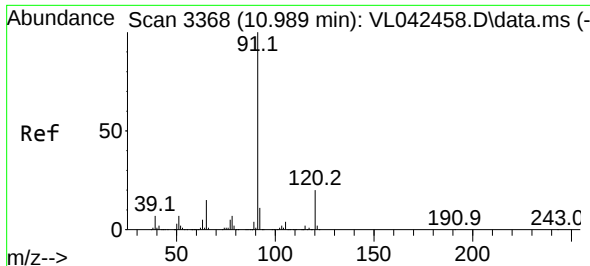
Ion Ratio Lower Upper

83 100

131 13.3 4.7 14.1

85 69.6 32.5 97.4

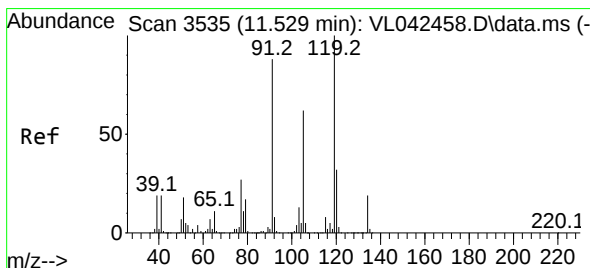
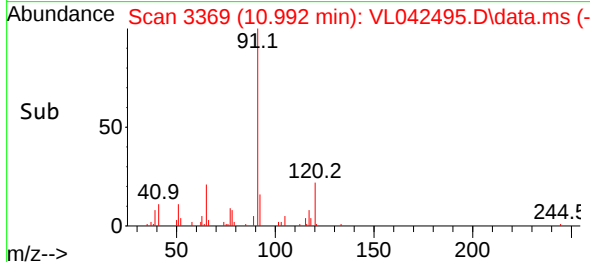
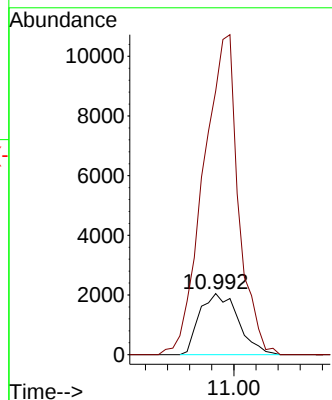
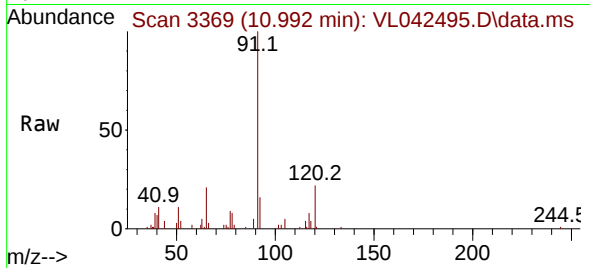




#64
n-propylbenzene
Concen: 0.345 ppbv
RT: 10.992 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL042495.D
Acq: 06 May 2025 14:26

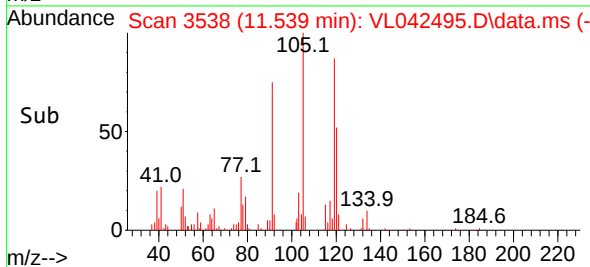
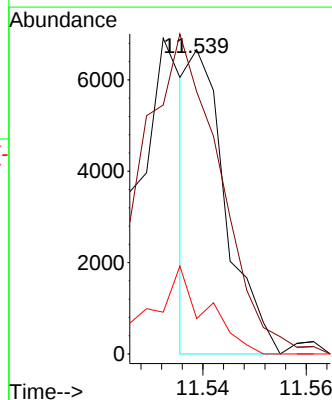
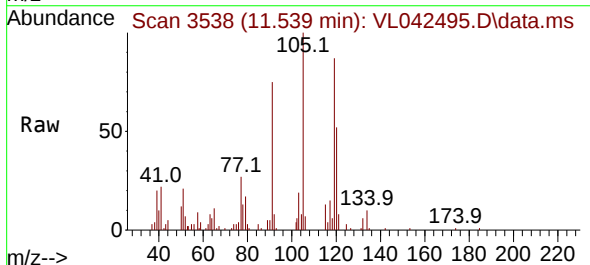
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45

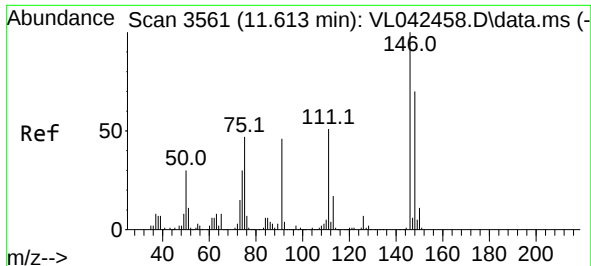
Tgt Ion:120 Resp: 2494
Ion Ratio Lower Upper
120 100
91 474.0 408.6 612.8



#65
tert-Butylbenzene
Concen: 0.124 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.010 min
Lab File: VL042495.D
Acq: 06 May 2025 14:26

Tgt Ion:119 Resp: 3265
Ion Ratio Lower Upper
119 100
91 244.9 71.6 107.4#
134 44.9 15.0 22.4#

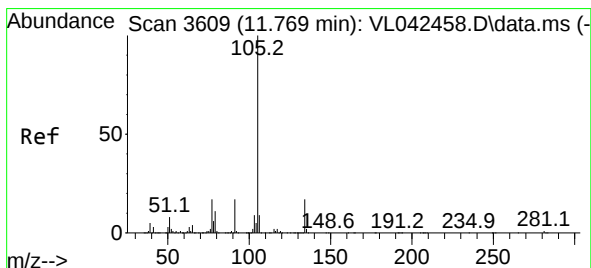
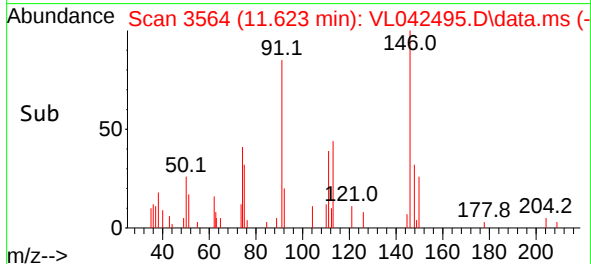
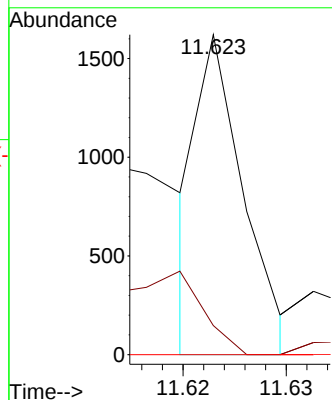
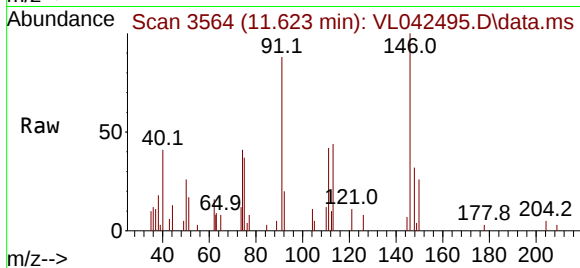




#66
Benzyl Chloride
Concen: 0.162 ppbv
RT: 11.623 min Scan# 311
Delta R.T. 0.010 min
Lab File: VL042495.D
Acq: 06 May 2025 14:26

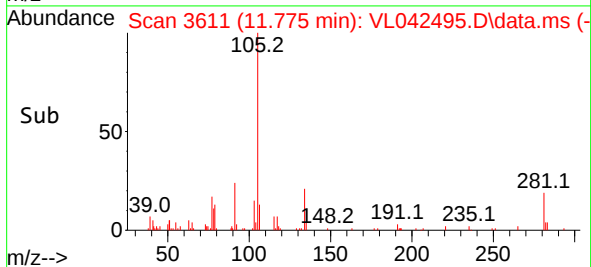
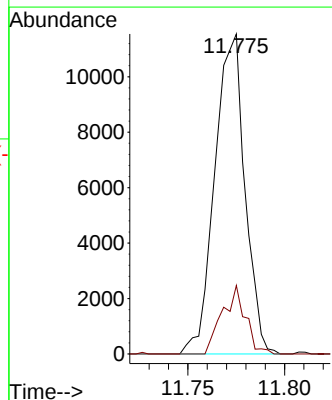
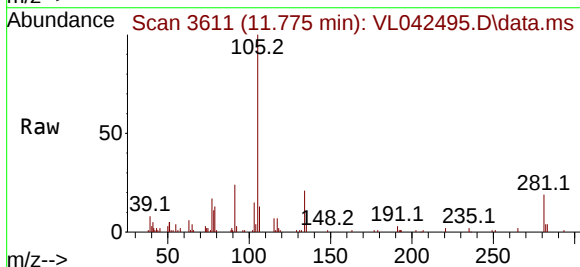
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45

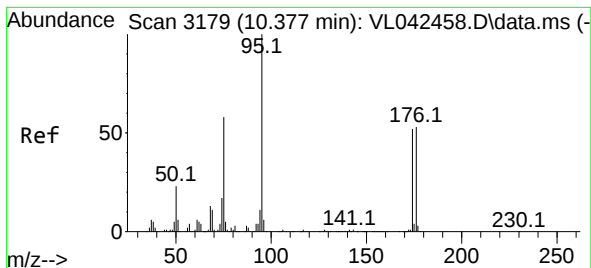
Tgt Ion: 91 Resp: 495
Ion Ratio Lower Upper
91 100
126 62.8 13.3 19.9#
128 0.0 4.2 6.4#



#67
sec-Butylbenzene
Concen: 0.334 ppbv
RT: 11.775 min Scan# 3611
Delta R.T. 0.007 min
Lab File: VL042495.D
Acq: 06 May 2025 14:26

Tgt Ion: 105 Resp: 12507
Ion Ratio Lower Upper
105 100
134 16.5 14.1 21.1





#68

1-Bromo-4-Fluorobenzene

Concen: 10.015 ppbv

RT: 10.380 min Scan# 3179

Delta R.T. 0.003 min

Lab File: VL042495.D

Acq: 06 May 2025 14:26

Instrument :

MSVOA_L

ClientSampleId :

MDL1 0.45

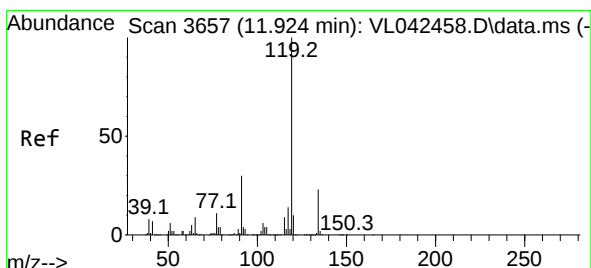
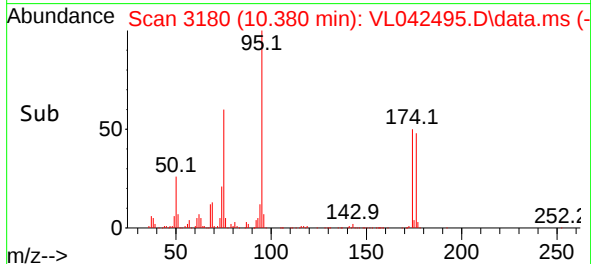
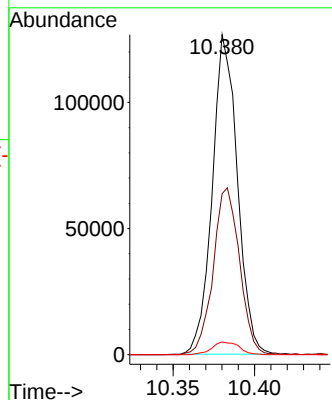
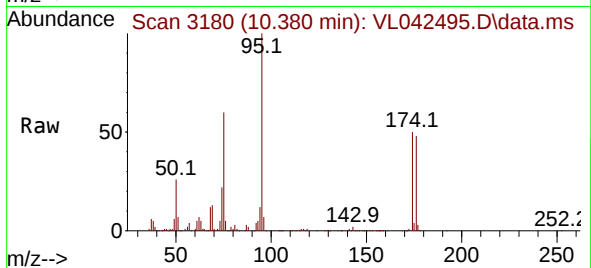
Tgt Ion: 95 Resp: 135652

Ion Ratio Lower Upper

95 100

174 54.8 42.7 64.1

175 4.3 3.6 5.4



#69

p-Isopropyltoluene

Concen: 0.321 ppbv

RT: 11.930 min Scan# 3659

Delta R.T. 0.006 min

Lab File: VL042495.D

Acq: 06 May 2025 14:26

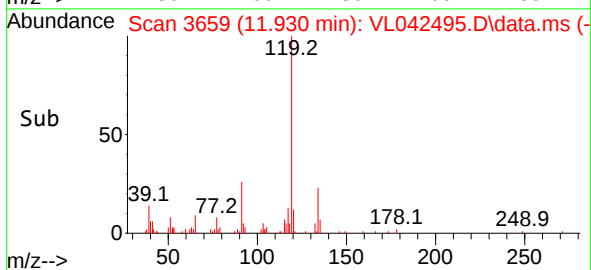
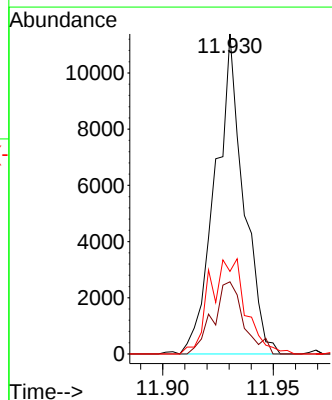
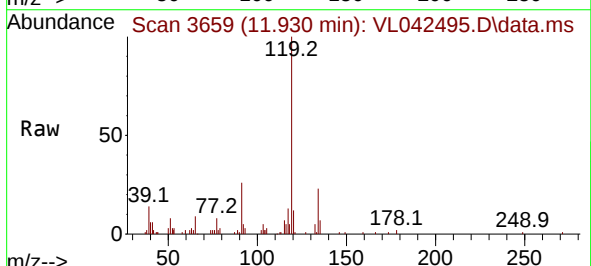
Tgt Ion: 119 Resp: 10141

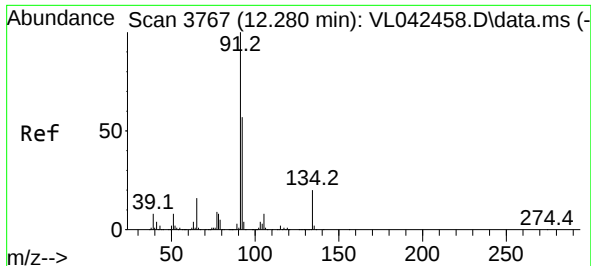
Ion Ratio Lower Upper

119 100

134 24.4 19.0 28.4

91 38.3 25.5 38.3#

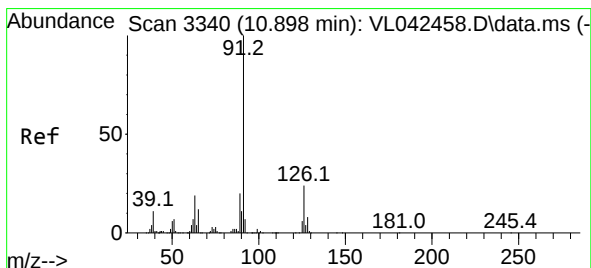
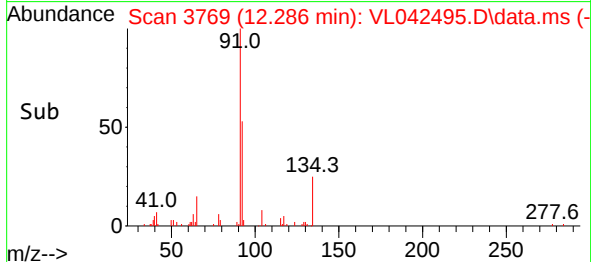
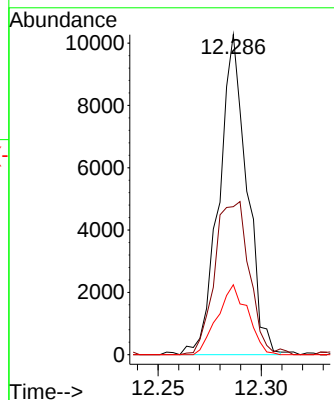
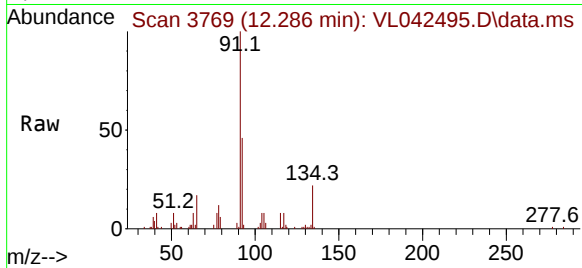




#70
n-Butylbenzene
Concen: 0.295 ppbv
RT: 12.286 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL042495.D
Acq: 06 May 2025 14:26

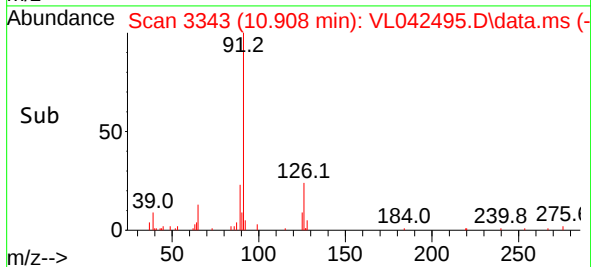
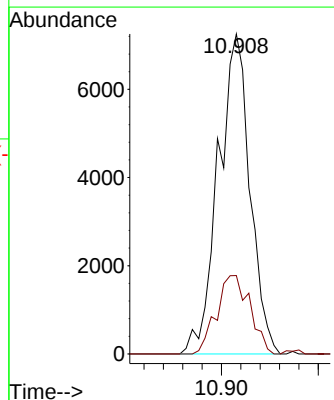
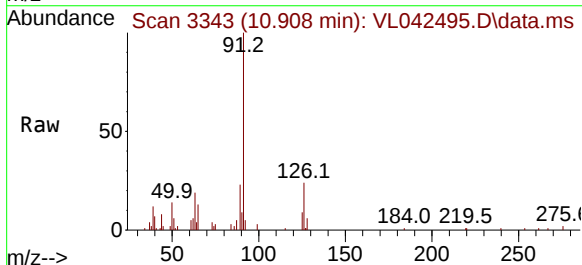
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45

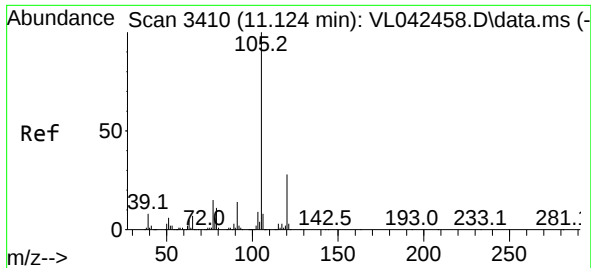
Tgt Ion:	91	Resp:	9641
Ion	Ratio	Lower	Upper
91	100		
92	59.9	44.0	66.0
134	23.8	16.8	25.2



#71
2-Chlorotoluene
Concen: 0.355 ppbv
RT: 10.908 min Scan# 3343
Delta R.T. 0.010 min
Lab File: VL042495.D
Acq: 06 May 2025 14:26

Tgt Ion:	91	Resp:	8237
Ion	Ratio	Lower	Upper
91	100		
126	26.4	10.6	42.2

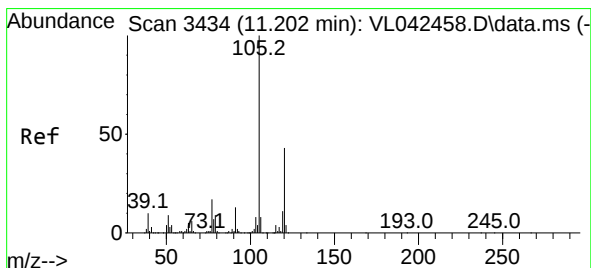
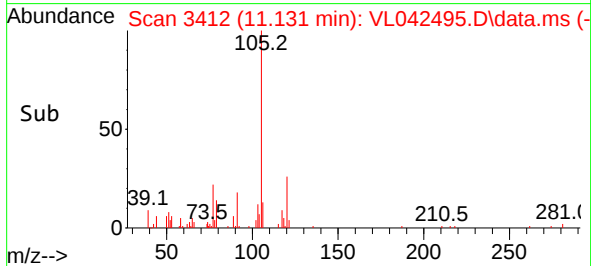
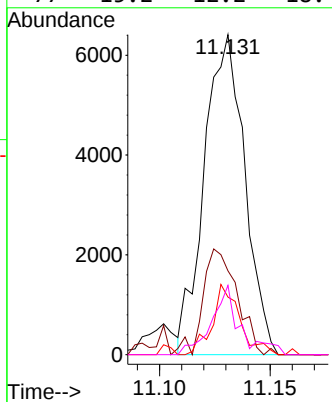
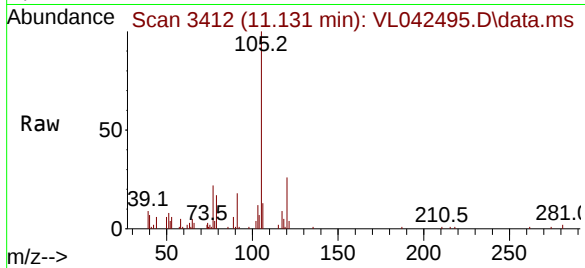




#72
4-Ethyltoluene
Concen: 0.338 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. 0.006 min
Lab File: VL042495.D
Acq: 06 May 2025 14:26

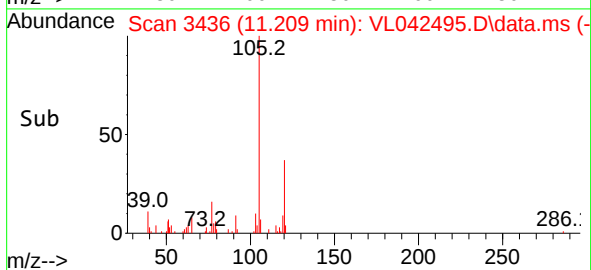
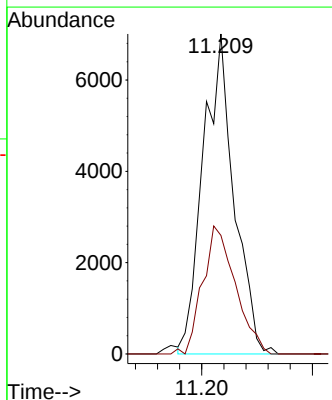
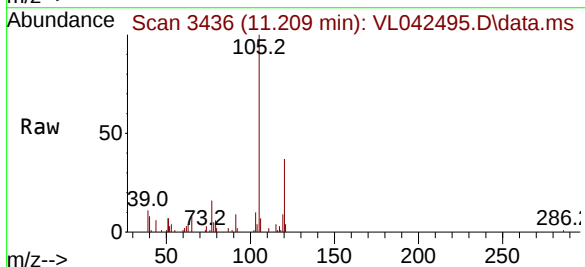
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.45

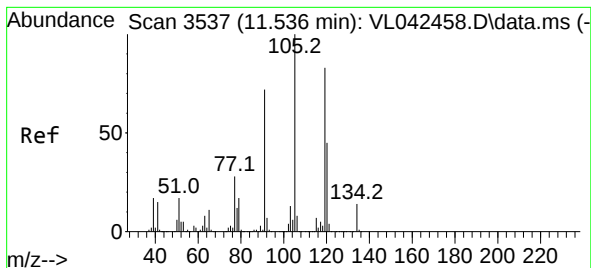
Tgt Ion:	105	Resp:	8165
Ion	Ratio	Lower	Upper
105	100		
120	31.4	22.0	33.0
91	16.1	11.2	16.8
77	15.2	12.2	18.4



#73
1,3,5-Trimethylbenzene
Concen: 0.320 ppbv
RT: 11.209 min Scan# 3436
Delta R.T. 0.006 min
Lab File: VL042495.D
Acq: 06 May 2025 14:26

Tgt Ion:	105	Resp:	6809
Ion	Ratio	Lower	Upper
105	100		
120	41.4	34.4	51.6





#74

1,2,4-Trimethylbenzene

Concen: 0.341 ppbv

RT: 11.542 min Scan# 3537

Delta R.T. 0.007 min

Lab File: VL042495.D

Acq: 06 May 2025 14:26

Instrument :

MSVOA_L

ClientSampleId :

MDL1 0.45

Tgt Ion:105 Resp: 8755

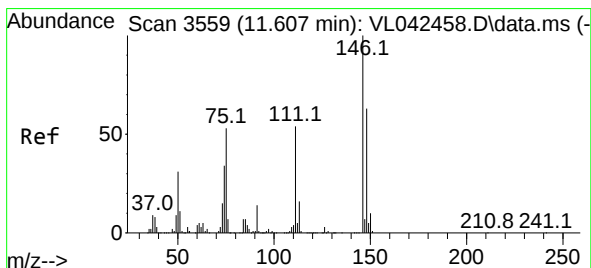
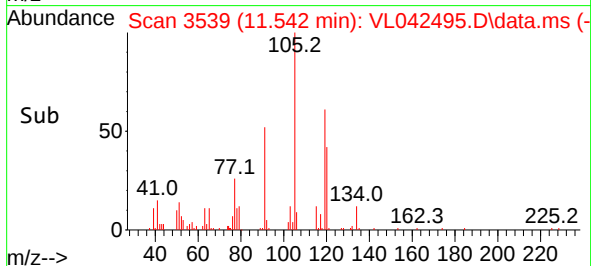
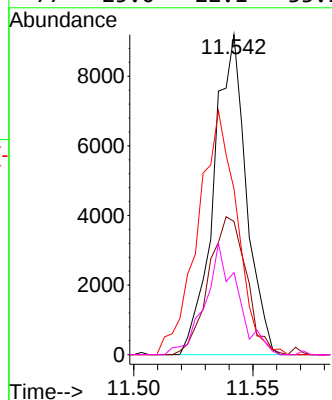
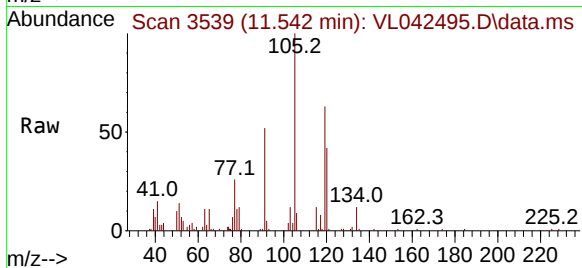
Ion Ratio Lower Upper

105 100

120 41.0 36.1 54.1

91 50.1 57.6 86.4#

77 25.0 22.1 33.1



#75

1,3-Dichlorobenzene

Concen: 0.503 ppbv

RT: 11.610 min Scan# 3560

Delta R.T. 0.003 min

Lab File: VL042495.D

Acq: 06 May 2025 14:26

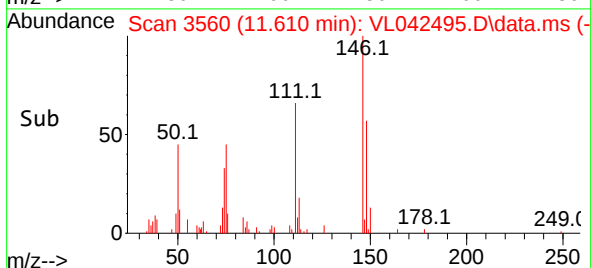
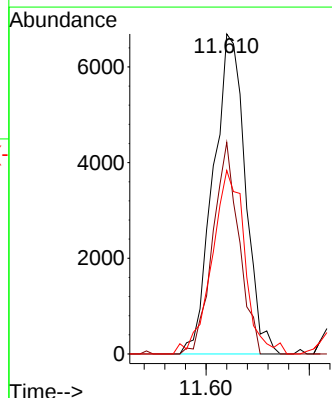
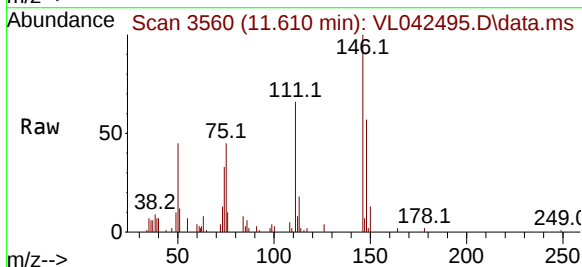
Tgt Ion:146 Resp: 7206

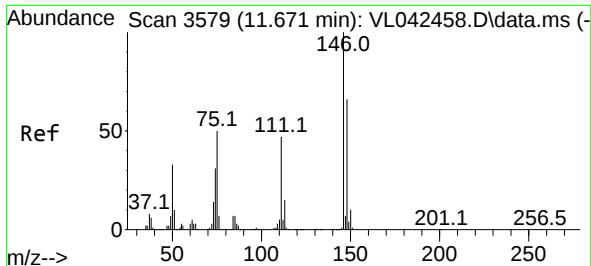
Ion Ratio Lower Upper

146 100

111 54.1 26.1 78.3

148 58.6 32.0 96.0

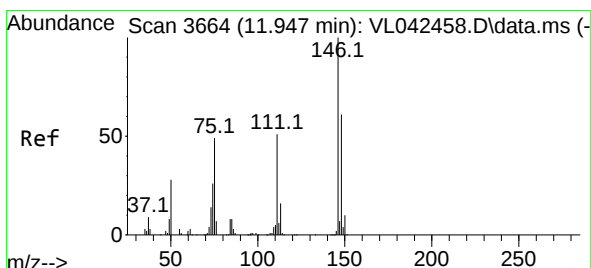
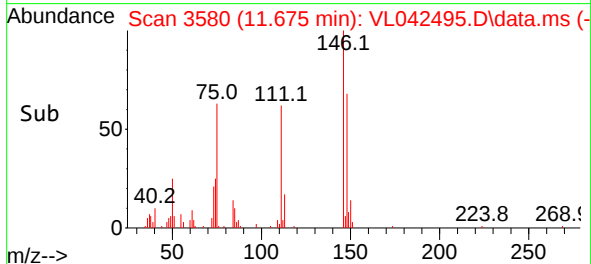
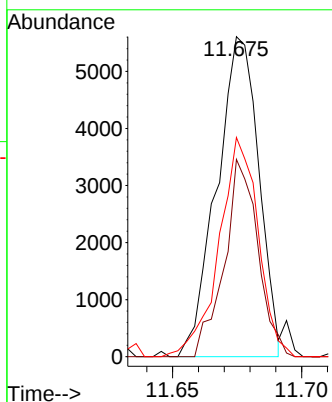
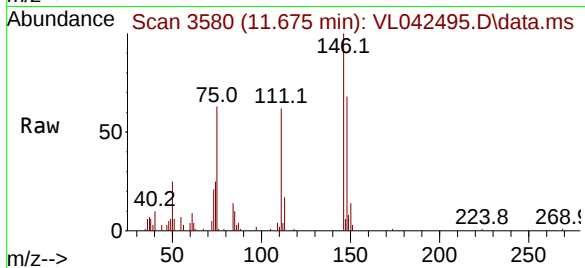




#76
1,4-Dichlorobenzene
Concen: 0.469 ppbv
RT: 11.675 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL042495.D
Acq: 06 May 2025 14:26

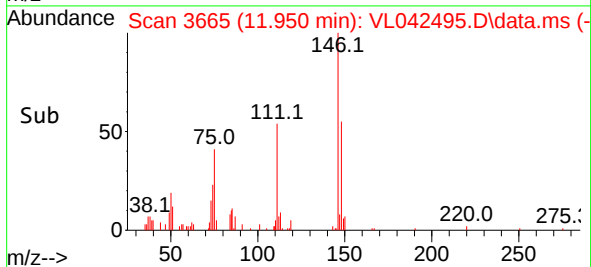
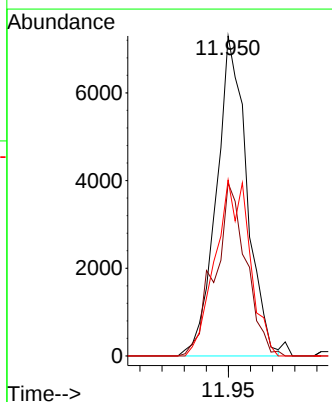
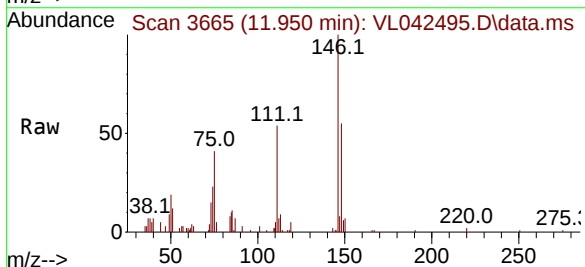
Instrument :
MSVOA_1
ClientSampleId :
MDL1 0.45

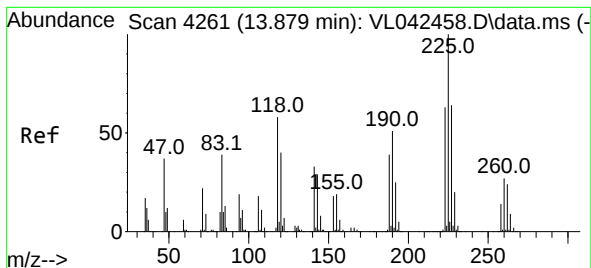
Tgt Ion:146 Resp: 6355
Ion Ratio Lower Upper
146 100
111 49.2 24.4 73.2
148 63.5 32.0 96.2



#77
1,2-Dichlorobenzene
Concen: 0.499 ppbv
RT: 11.950 min Scan# 3665
Delta R.T. 0.003 min
Lab File: VL042495.D
Acq: 06 May 2025 14:26

Tgt Ion:146 Resp: 6988
Ion Ratio Lower Upper
146 100
111 55.6 26.5 79.5
148 62.4 31.5 94.5





#78

Hexachloro-1,3-Butadiene

Concen: 0.527 ppbv

RT: 13.882 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042495.D

Acq: 06 May 2025 14:26

Instrument :

MSVOA_L

ClientSampleId :

MDL1 0.45

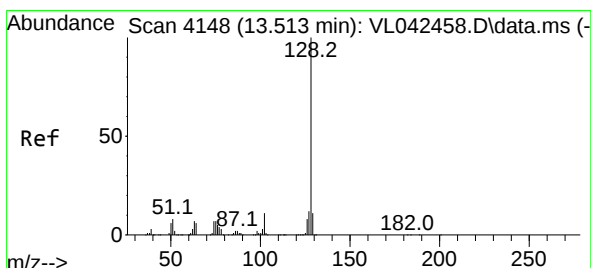
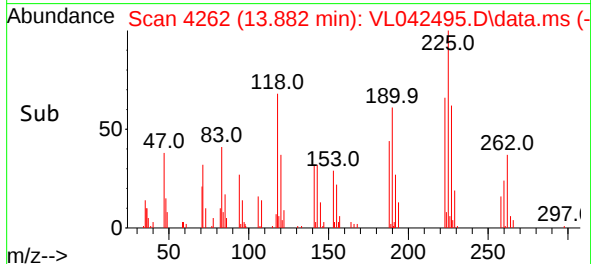
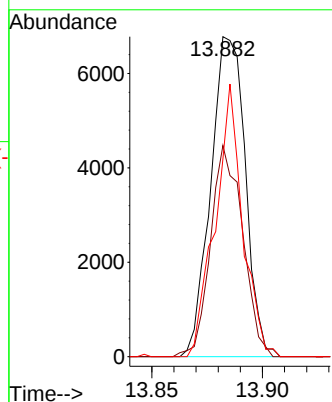
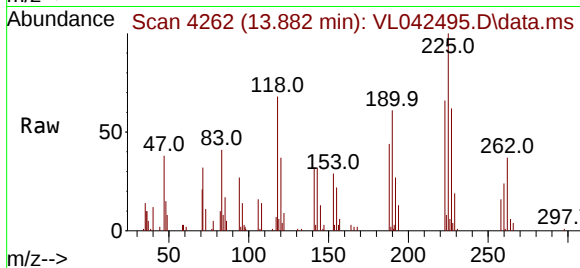
Tgt Ion:225 Resp: 7369

Ion Ratio Lower Upper

225 100

223 61.1 50.2 75.4

227 67.6 51.2 76.8



#79

Naphthalene

Concen: 0.243 ppbv

RT: 13.513 min Scan# 4148

Delta R.T. 0.000 min

Lab File: VL042495.D

Acq: 06 May 2025 14:26

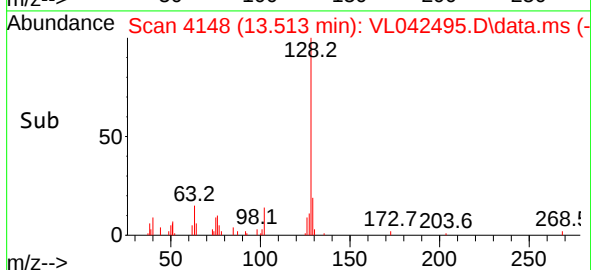
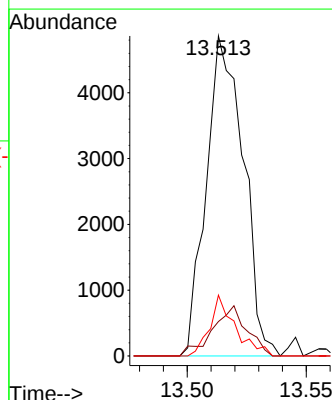
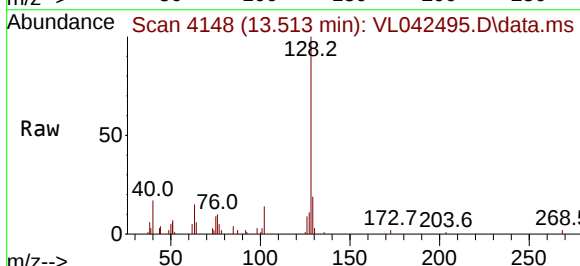
Tgt Ion:128 Resp: 5267

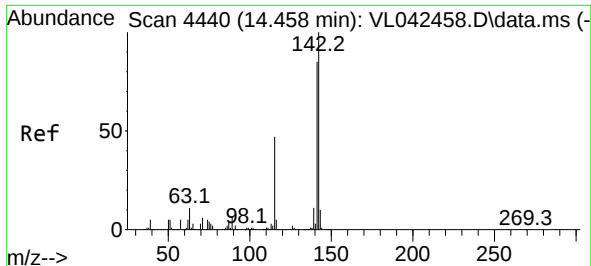
Ion Ratio Lower Upper

128 100

127 10.7 9.7 14.5

129 19.0 8.6 13.0#

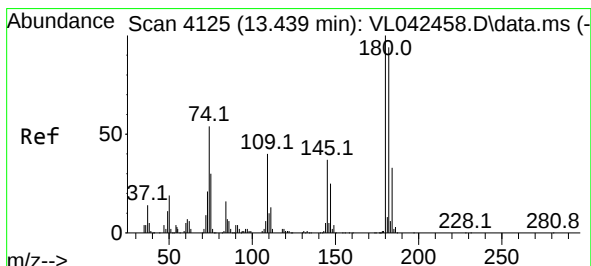
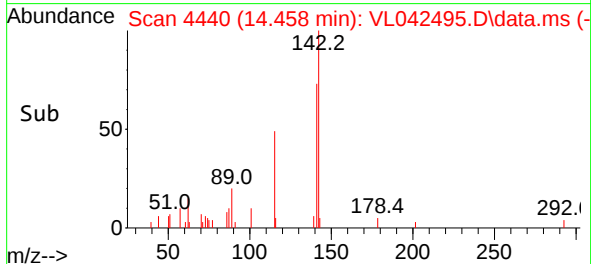
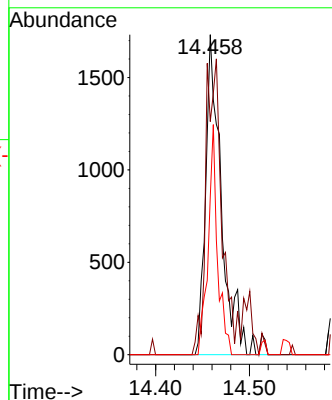
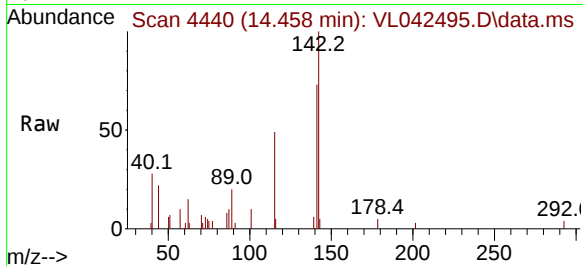




#80
Naphthalene, 2-methyl-
Concen: 0.127 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. 0.000 min
Lab File: VL042495.D
Acq: 06 May 2025 14:26

Instrument :
MSVOA_1
ClientSampleId :
MDL1 0.45

Tgt Ion:142 Resp: 2039
Ion Ratio Lower Upper
142 100
141 105.7 67.4 101.0#
115 42.6 36.9 55.3



#81
1,2,4-Trichlorobenzene
Concen: 0.299 ppbv
RT: 13.445 min Scan# 4127
Delta R.T. 0.006 min
Lab File: VL042495.D
Acq: 06 May 2025 14:26

Tgt Ion:180 Resp: 3453
Ion Ratio Lower Upper
180 100
182 94.3 74.6 111.8
184 35.7 24.9 37.3

