

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051425\
 Data File : VL042541.D
 Acq On : 14 May 2025 14:15
 Operator : SY/MD
 Sample : Q2037-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Quant Time: May 15 01:34:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue May 13 02:07:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	134546	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	3.965	114	408032	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.885	117	347758	10.000	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	299463	9.897	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	8985	0.411	ppbv	99
3) Chlorodifluoromethane	1.479	51	68102	3.059	ppbv #	83
4) Chloromethane	1.534	50	6285	0.705	ppbv	98
6) Bromomethane	1.667	94	160	0.037	ppbv	94
7) Chloroethane	1.706	64	247	0.069	ppbv #	77
9) Propene	1.489	41	25265	5.232	ppbv #	85
10) Heptane	4.981	43	1511	0.082	ppbv #	26
11) Trichlorofluoromethane	1.881	101	4432	0.211	ppbv	83
12) 1,1,2-Trichlorotrifluo...	2.140	101	533	0.032	ppbv #	1
13) Ethanol	1.722	45	398191	306.595	ppbv	100
15) Acetone	1.848	43	1392356	64.203	ppbv #	66
16) 1,3-Butadiene	1.622	39	28744	2.973	ppbv #	22
17) tert-Butyl alcohol	2.046	59	10606	0.534	ppbv #	72
19) Isopropyl Alcohol	1.887	45	231241	19.799	ppbv #	1
20) Methylene Chloride	2.065	84	6721	0.898	ppbv	91
21) Allyl Chloride	1.965	41	34258	2.407	ppbv #	26
23) Vinyl Acetate	2.460	43	13937	0.619	ppbv #	79
25) Ethyl Acetate	2.832	43	59084	1.565	ppbv #	84
26) Hexane	2.832	57	56507	3.646	ppbv #	53
27) Carbon Disulfide	2.152	76	3089	0.154	ppbv #	1
28) Methyl tert-Butyl Ether	2.450	73	316	0.037	ppbv #	1
29) Chloroform	2.852	83	52359	1.629	ppbv	99
30) Cyclohexane	3.865	84	17180	1.350	ppbv	92
31) cis-1,2-Dichloroethene	2.729	61	748	0.043	ppbv #	80
34) 2-Butanone	2.564	43	22109	0.822	ppbv	97
35) Carbon Tetrachloride	3.771	117	4088	0.111	ppbv	97
36) Benzene	3.664	78	17040	0.471	ppbv	98
37) 1,2-Dichloroethane	3.221	62	6929	0.269	ppbv	99
39) 1,2-Dichloropropane	3.962	63	102455	7.607	ppbv #	17
41) Tetrahydrofuran	3.068	42	3236	0.278	ppbv #	89
42) Bromodichloromethane	4.496	83	1684	0.049	ppbv #	28
44) 2,2,4-Trimethylpentane	4.641	57	7712	0.135	ppbv #	17
52) Tetrachloroethene	8.231	164	3466	0.251	ppbv #	85
53) Toluene	6.943	91	95844	2.701	ppbv	99
58) Ethyl Benzene	9.364	91	14851	0.313	ppbv	98
59) m/p-Xylene	9.539	91	38335	0.911	ppbv #	100
60) o-Xylene	9.969	91	17042	0.415	ppbv	91
61) Styrene	9.878	104	17521	1.151	ppbv	95
62) Isopropylbenzene	10.545	105	2710	0.044	ppbv	97
65) tert-Butylbenzene	11.539	119	4217	0.074	ppbv #	32
66) Benzyl Chloride	11.539	91	5042	0.667	ppbv #	69
69) p-Isopropyltoluene	11.930	119	8127	0.121	ppbv	95
70) n-Butylbenzene	12.675	91	3450	0.052	ppbv	89

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051425\
Data File : VL042541.D
Acq On : 14 May 2025 14:15
Operator : SY/MD
Sample : Q2037-02
Misc : 400mL/MSVOA_L
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA1

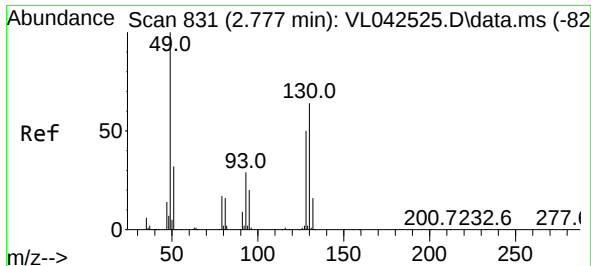
Quant Time: May 15 01:34:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue May 13 02:07:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 2-Chlorotoluene	11.209	91	1601	0.034	ppbv	70
72) 4-Ethyltoluene	11.131	105	9443	0.185	ppbv #	62
73) 1,3,5-Trimethylbenzene	11.209	105	10634	0.239	ppbv	98
74) 1,2,4-Trimethylbenzene	11.542	105	32735	0.599	ppbv #	64
75) 1,3-Dichlorobenzene	11.678	146	638942	18.667	ppbv	98
76) 1,4-Dichlorobenzene	11.678	146	638942	19.620	ppbv	98
77) 1,2-Dichlorobenzene	11.678	146	638942	18.071	ppbv	97
79) Naphthalene	13.520	128	7709	0.204	ppbv #	84
80) Naphthalene,2-methyl-	14.468	142	2848	0.130	ppbv #	86

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

Quant Time: May 15 01:34:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue May 13 02:07:03 2025
Response via : Initial Calibration

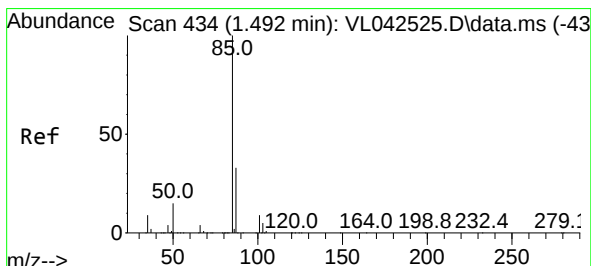
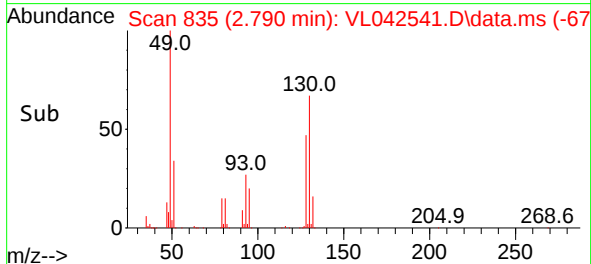
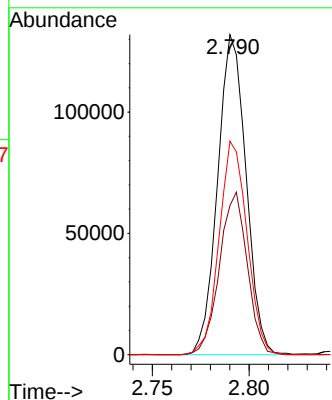
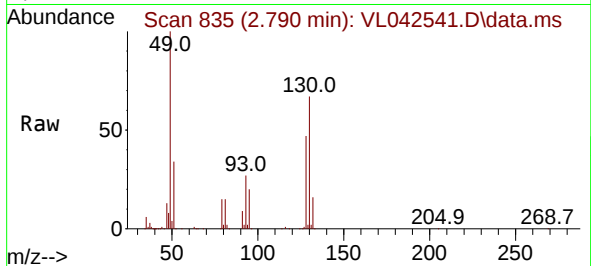




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.790 min Scan# 81
 Delta R.T. 0.013 min
 Lab File: VL042541.D
 Acq: 14 May 2025 14:15

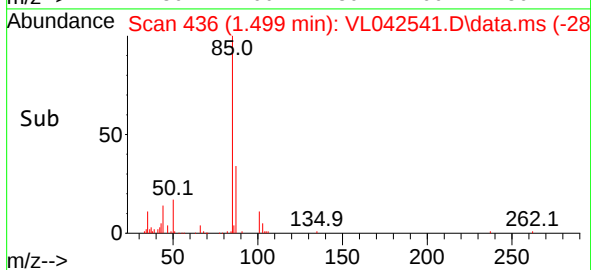
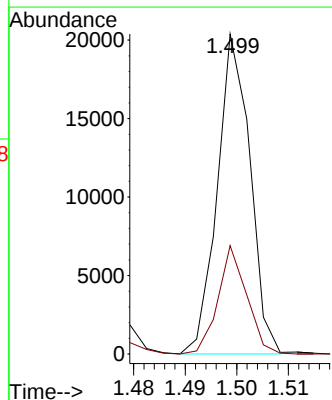
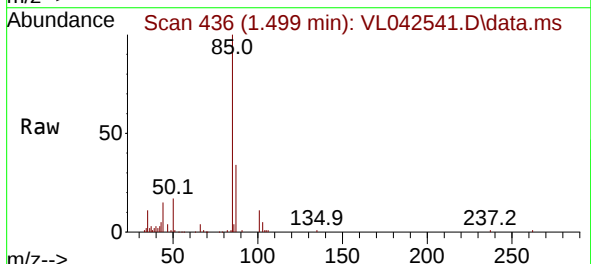
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

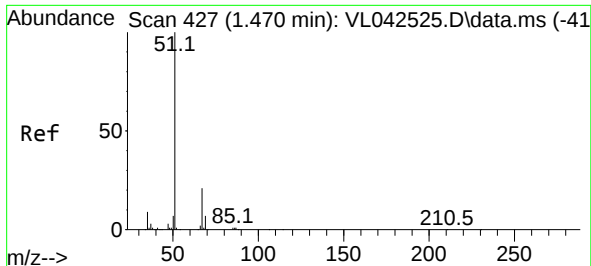
Tgt Ion: 49 Resp: 134546
 Ion Ratio Lower Upper
 49 100
 128 49.7 24.9 74.6
 130 65.8 32.5 97.5



#2
 Dichlorodifluoromethane
 Concen: 0.411 ppbv
 RT: 1.499 min Scan# 436
 Delta R.T. 0.006 min
 Lab File: VL042541.D
 Acq: 14 May 2025 14:15

Tgt Ion: 85 Resp: 8985
 Ion Ratio Lower Upper
 85 100
 87 33.8 26.8 40.2

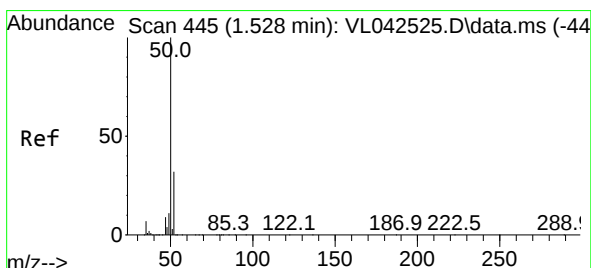
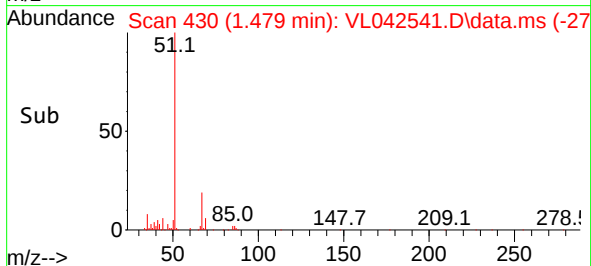
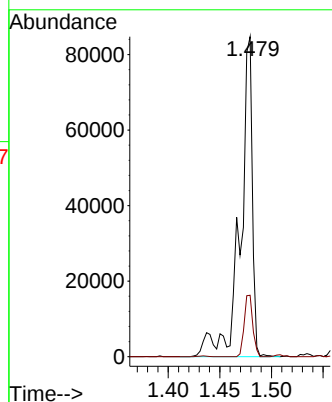
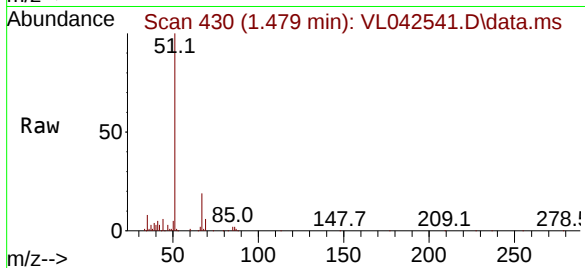




#3
Chlorodifluoromethane
Concen: 3.059 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.009 min
Lab File: VL042541.D
Acq: 14 May 2025 14:15

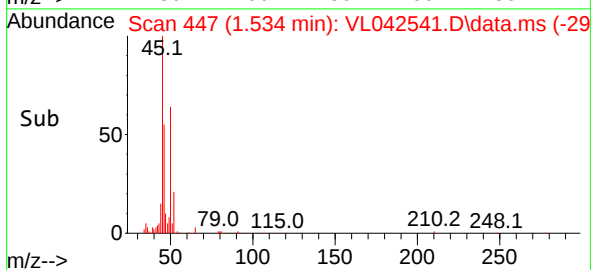
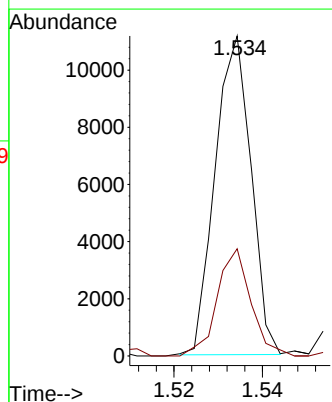
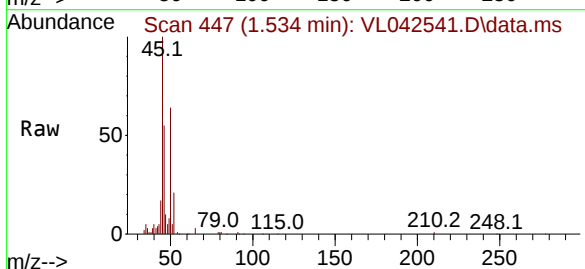
Instrument :
MSVOA_L
ClientSampleId :
IA1

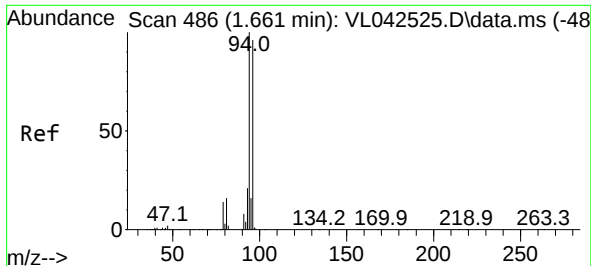
Tgt Ion: 51 Resp: 68102
Ion Ratio Lower Upper
51 100
67 13.7 17.4 26.0#



#4
Chloromethane
Concen: 0.705 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.006 min
Lab File: VL042541.D
Acq: 14 May 2025 14:15

Tgt Ion: 50 Resp: 6285
Ion Ratio Lower Upper
50 100
52 33.7 25.9 38.9

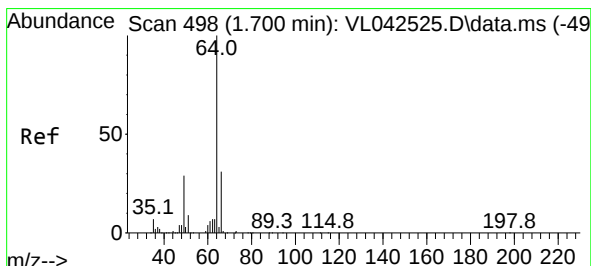
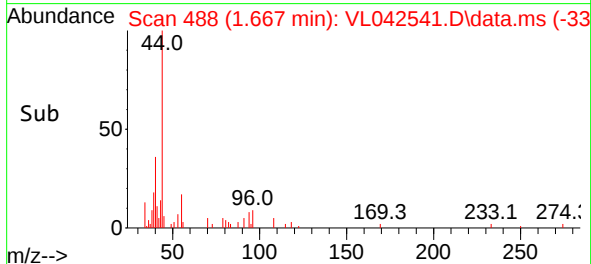
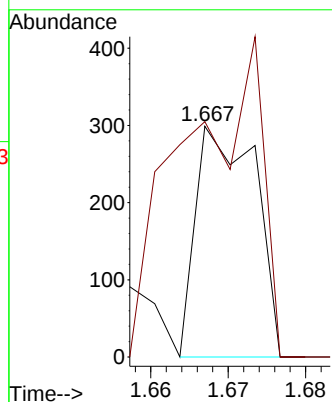
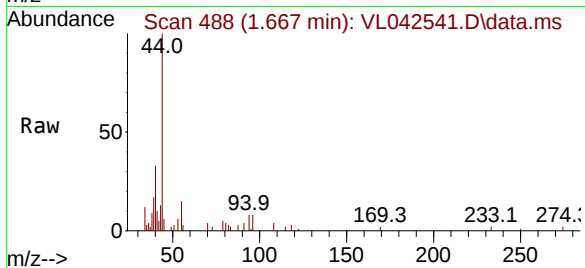




#6
 Bromomethane
 Concen: 0.037 ppbv
 RT: 1.667 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VL042541.D
 Acq: 14 May 2025 14:15

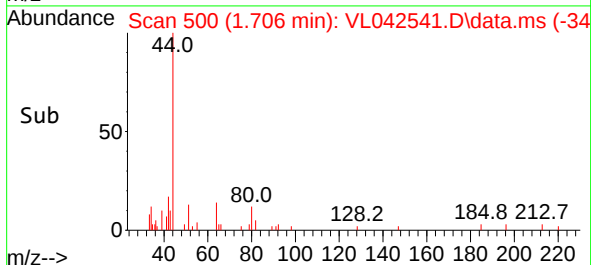
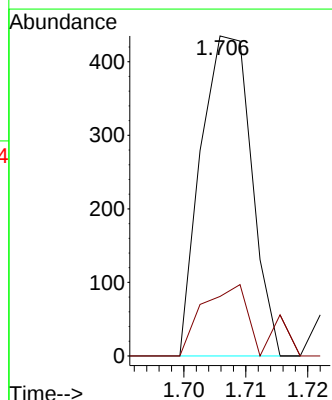
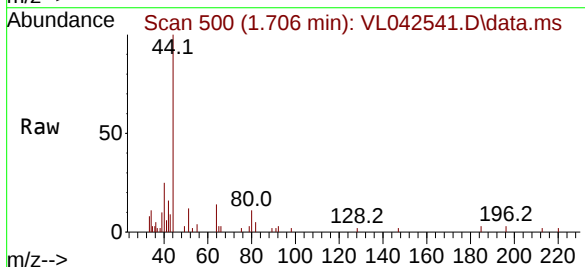
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

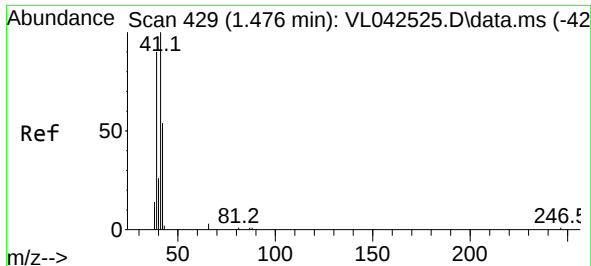
Tgt Ion: 94 Resp: 160
 Ion Ratio Lower Upper
 94 100
 96 102.0 76.9 115.3



#7
 Chloroethane
 Concen: 0.069 ppbv
 RT: 1.706 min Scan# 500
 Delta R.T. 0.006 min
 Lab File: VL042541.D
 Acq: 14 May 2025 14:15

Tgt Ion: 64 Resp: 247
 Ion Ratio Lower Upper
 64 100
 66 18.6 25.1 37.7#





#9

Propene

Concen: 5.232 ppbv

RT: 1.489 min Scan# 41

Delta R.T. 0.013 min

Lab File: VL042541.D

Acq: 14 May 2025 14:15

Instrument :

MSVOA_L

ClientSampleId :

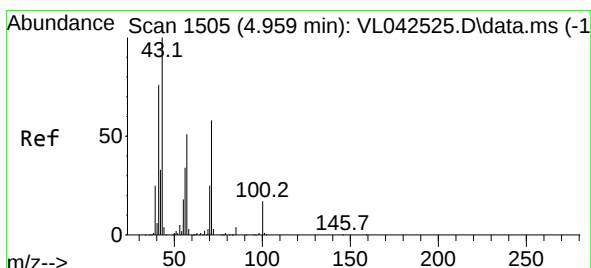
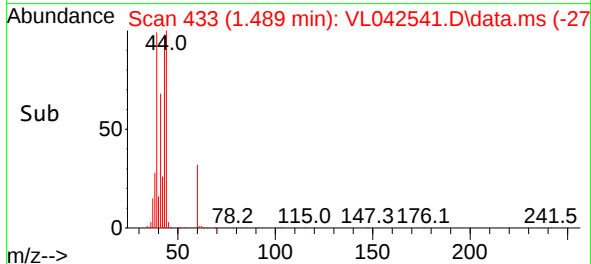
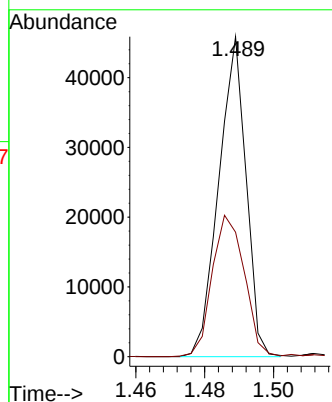
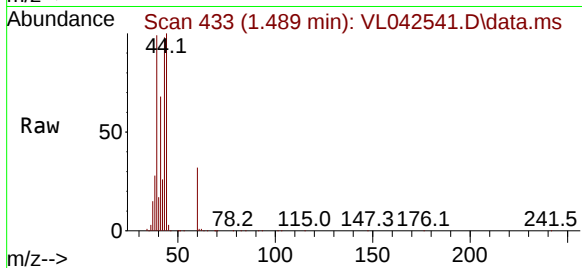
IA1

Tgt Ion: 41 Resp: 25265

Ion Ratio Lower Upper

41 100

42 0.0 4.1 6.1#



#10

Heptane

Concen: 0.082 ppbv

RT: 4.981 min Scan# 1512

Delta R.T. 0.022 min

Lab File: VL042541.D

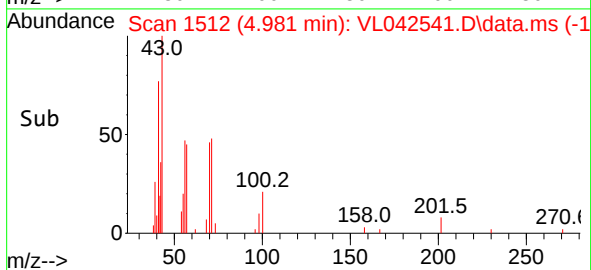
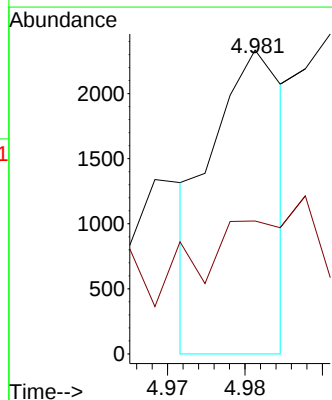
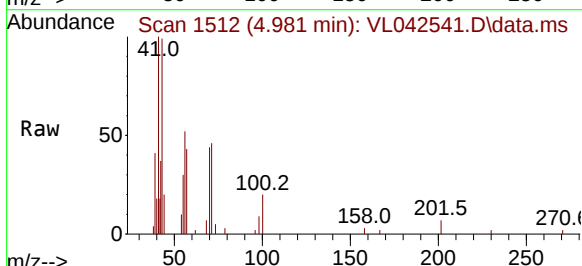
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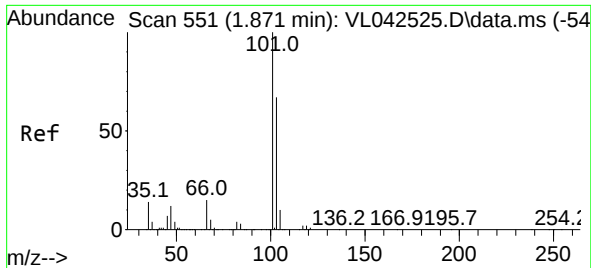
Tgt Ion: 43 Resp: 1511

Ion Ratio Lower Upper

43 100

57 0.0 42.1 63.1#

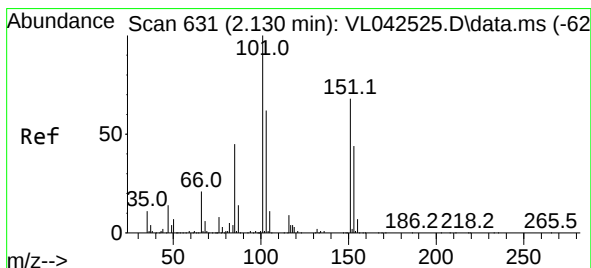
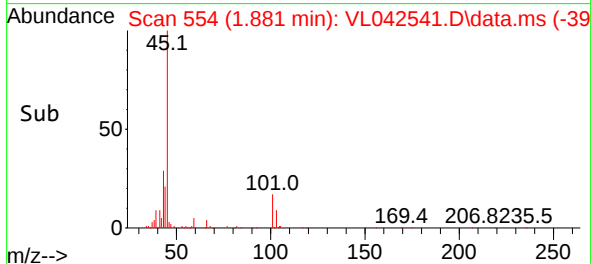
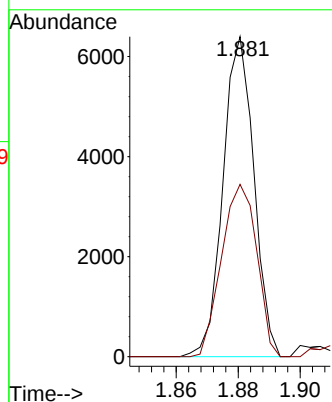
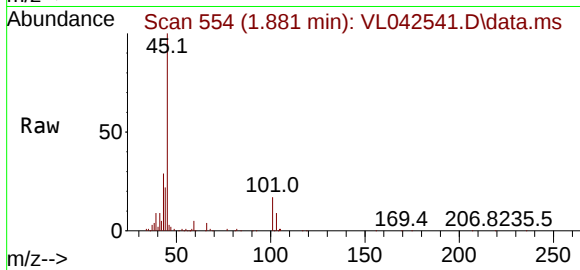




#11
 Trichlorofluoromethane
 Concen: 0.211 ppbv
 RT: 1.881 min Scan# 51
 Delta R.T. 0.009 min
 Lab File: VL042541.D
 Acq: 14 May 2025 14:15

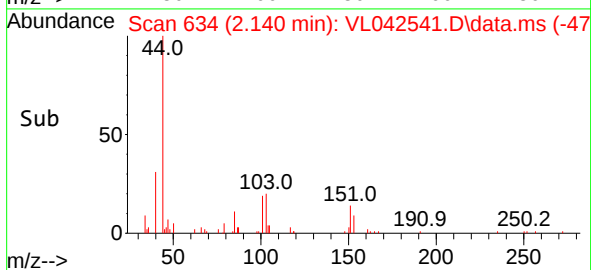
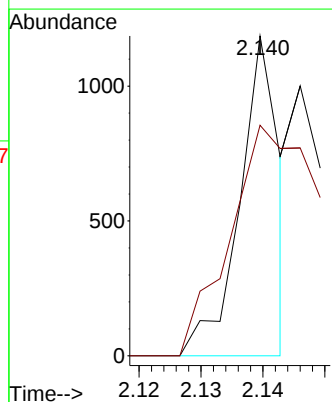
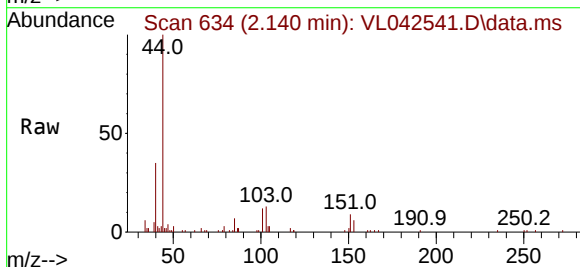
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

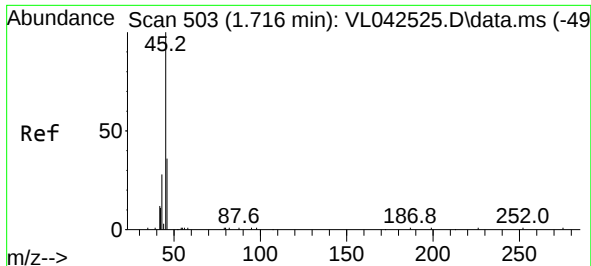
Tgt Ion:101 Resp: 4432
 Ion Ratio Lower Upper
 101 100
 103 53.9 53.8 80.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.032 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. 0.009 min
 Lab File: VL042541.D
 Acq: 14 May 2025 14:15

Tgt Ion:101 Resp: 533
 Ion Ratio Lower Upper
 101 100
 151 159.1 57.8 86.8#





#13

Ethanol

Concen: 306.595 ppbv

RT: 1.722 min Scan# 503

Delta R.T. 0.006 min

Lab File: VL042541.D

Acq: 14 May 2025 14:15

Instrument :

MSVOA_L

ClientSampleId :

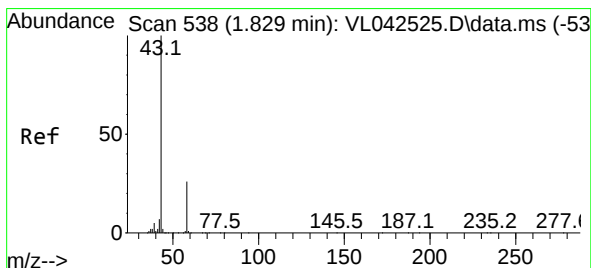
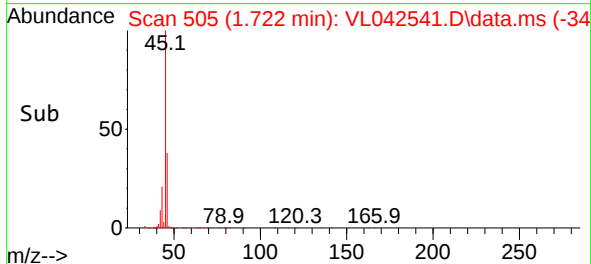
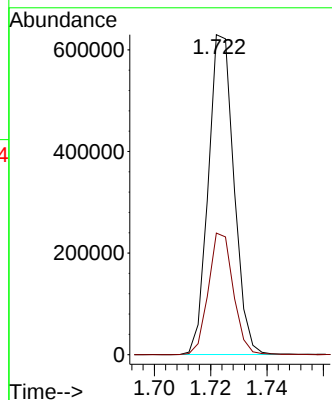
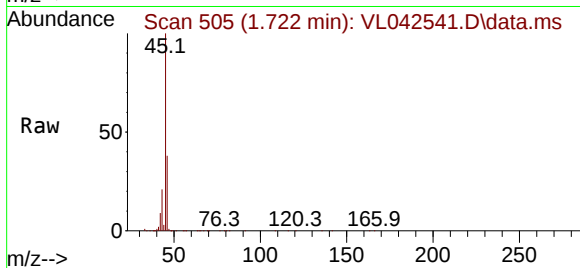
IA1

Tgt Ion: 45 Resp: 398191

Ion Ratio Lower Upper

45 100

46 37.3 14.8 59.4



#15

Acetone

Concen: 64.203 ppbv

RT: 1.848 min Scan# 544

Delta R.T. 0.019 min

Lab File: VL042541.D

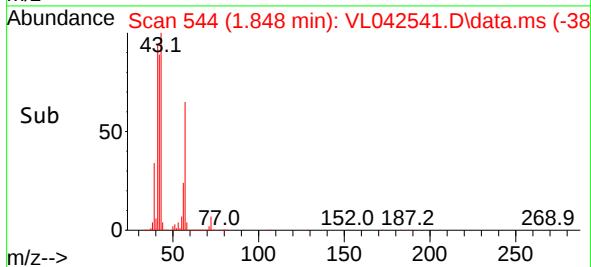
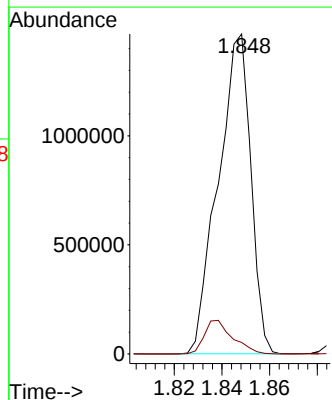
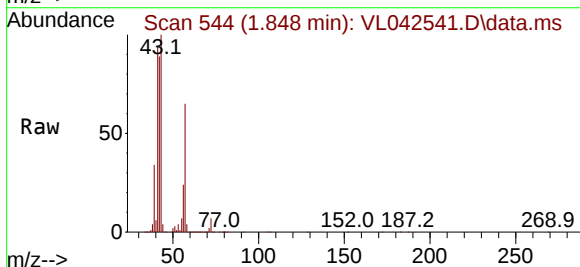
Acq: 14 May 2025 14:15

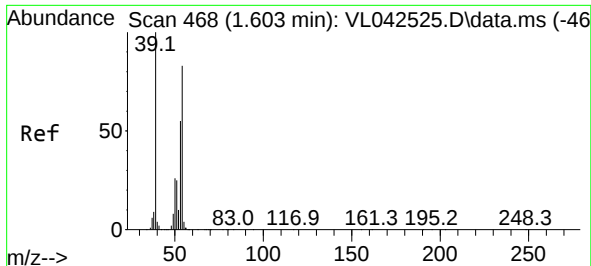
Tgt Ion: 43 Resp: 1392356

Ion Ratio Lower Upper

43 100

58 9.2 21.3 31.9#





#16

1,3-Butadiene

Concen: 2.973 ppbv

RT: 1.622 min Scan# 41

Delta R.T. 0.019 min

Lab File: VL042541.D

Acq: 14 May 2025 14:15

Instrument :

MSVOA_L

ClientSampleId :

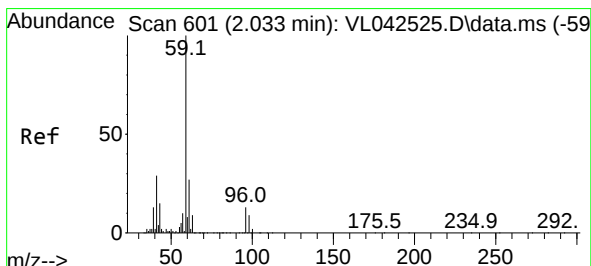
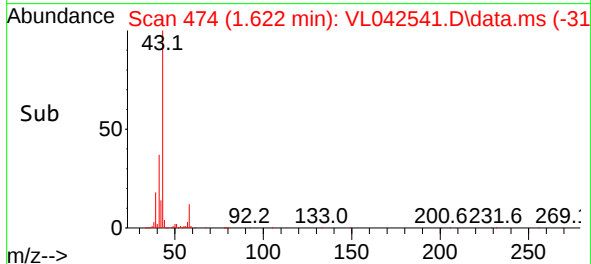
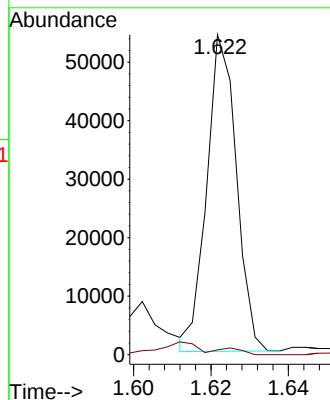
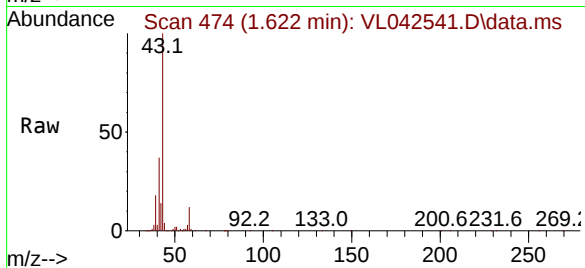
IA1

Tgt Ion: 39 Resp: 28744

Ion Ratio Lower Upper

39 100

54 7.2 57.8 86.6#



#17

tert-Butyl alcohol

Concen: 0.534 ppbv

RT: 2.046 min Scan# 605

Delta R.T. 0.013 min

Lab File: VL042541.D

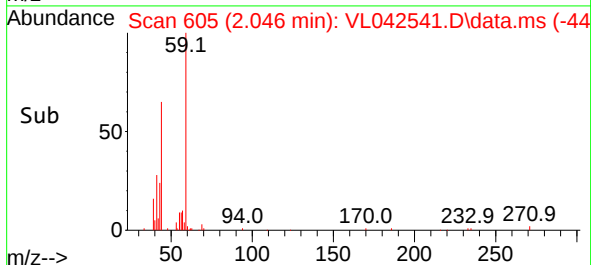
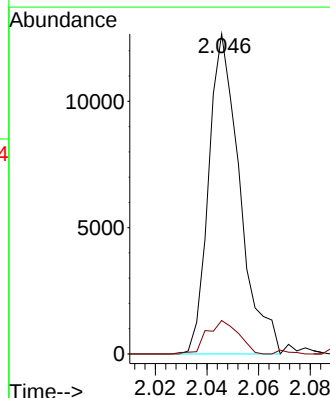
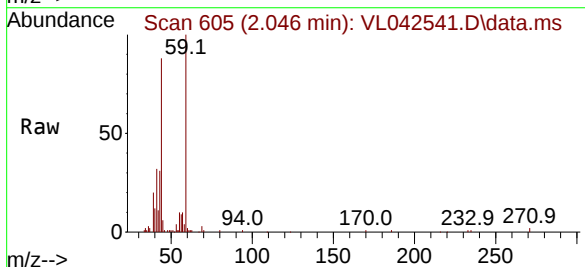
Acq: 14 May 2025 14:15

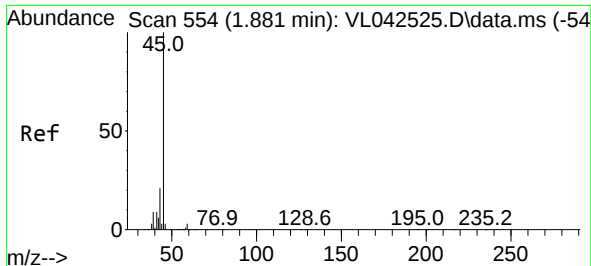
Tgt Ion: 59 Resp: 10606

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#

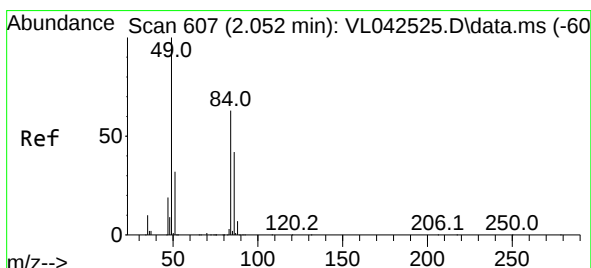
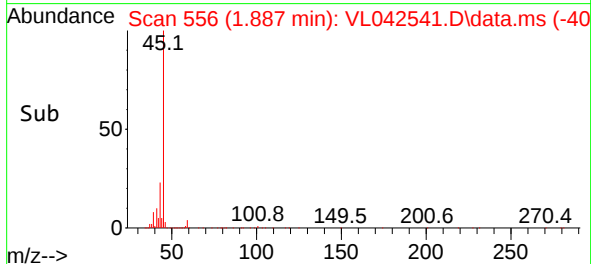
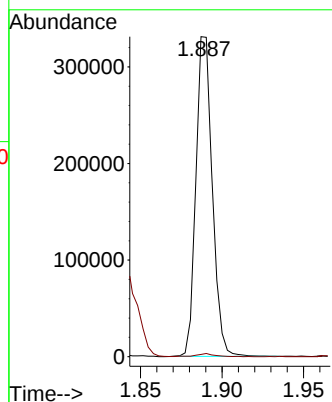
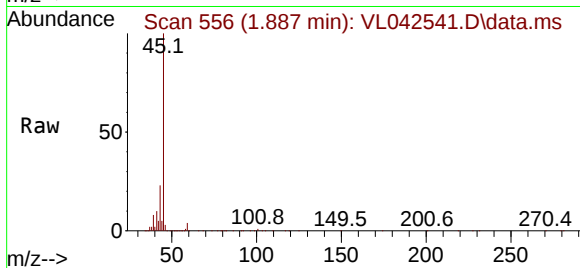




#19
Isopropyl Alcohol
Concen: 19.799 ppbv
RT: 1.887 min Scan# 511
Delta R.T. 0.006 min
Lab File: VL042541.D
Acq: 14 May 2025 14:15

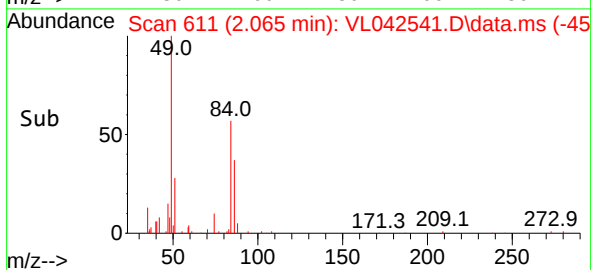
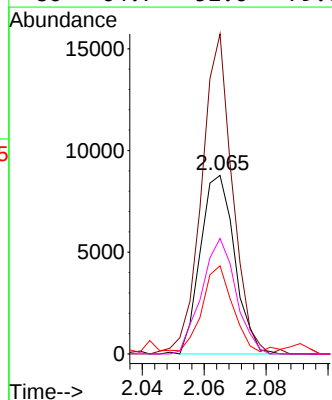
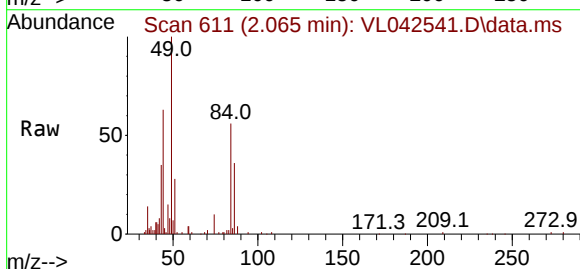
Instrument :
MSVOA_L
ClientSampleId :
IA1

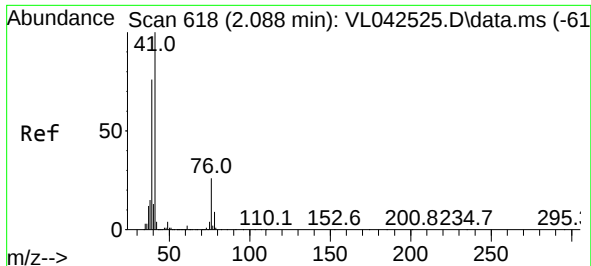
Tgt Ion: 45 Resp: 231241
Ion Ratio Lower Upper
45 100
58 55.3 1.5 2.3#



#20
Methylene Chloride
Concen: 0.898 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.013 min
Lab File: VL042541.D
Acq: 14 May 2025 14:15

Tgt Ion: 84 Resp: 6721
Ion Ratio Lower Upper
84 100
49 176.6 128.2 192.4
51 47.6 41.7 62.5
86 64.7 52.6 79.0

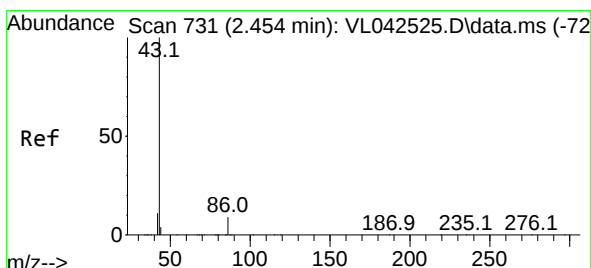
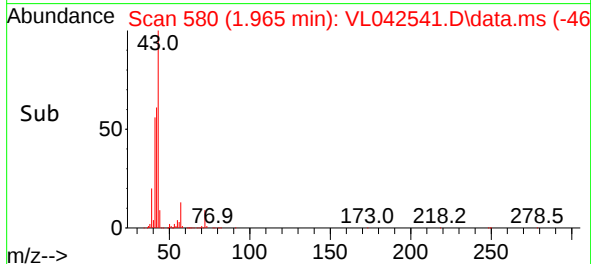
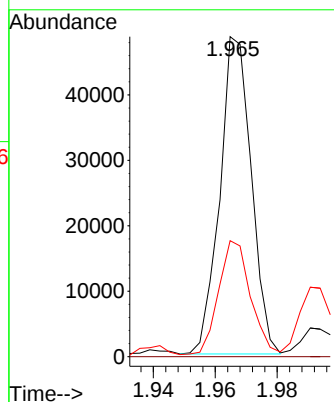
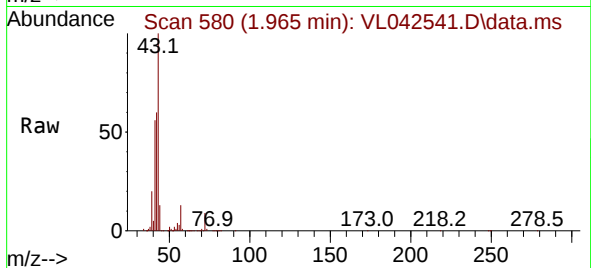




#21
 Allyl Chloride
 Concen: 2.407 ppbv
 RT: 1.965 min Scan# 580
 Delta R.T. -0.123 min
 Lab File: VL042541.D
 Acq: 14 May 2025 14:15

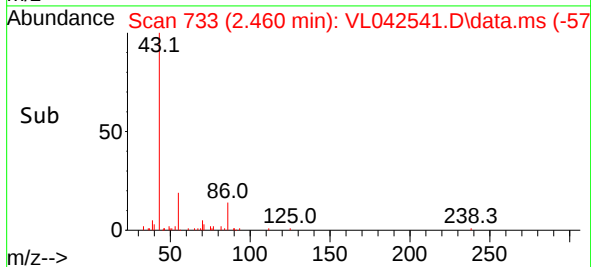
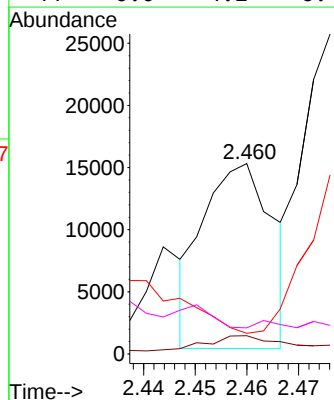
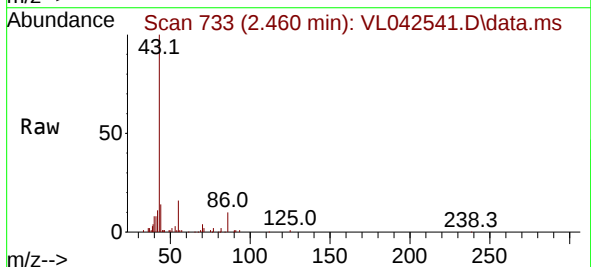
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

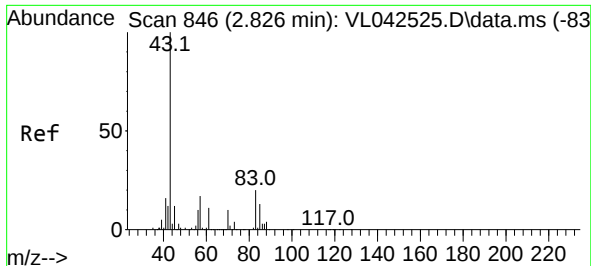
Tgt Ion: 41 Resp: 34258
 Ion Ratio Lower Upper
 41 100
 76 9.0 22.0 33.0#
 39 0.0 59.5 89.3#



#23
 Vinyl Acetate
 Concen: 0.619 ppbv
 RT: 2.460 min Scan# 733
 Delta R.T. 0.006 min
 Lab File: VL042541.D
 Acq: 14 May 2025 14:15

Tgt Ion: 43 Resp: 13937
 Ion Ratio Lower Upper
 43 100
 86 13.5 6.8 10.2#
 42 0.0 8.8 13.2#
 44 0.0 4.2 6.4#

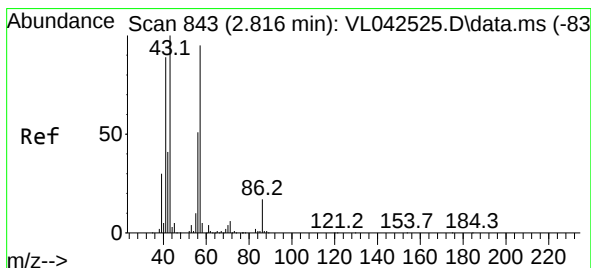
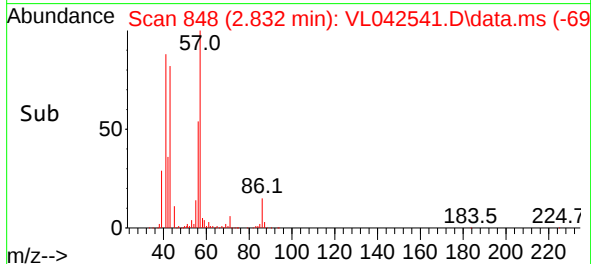
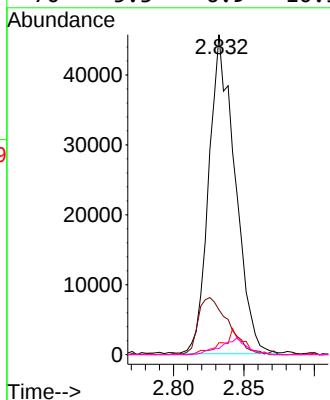
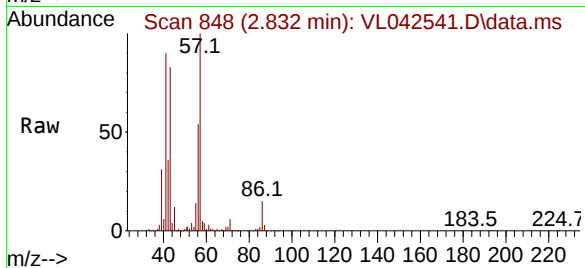




#25
Ethyl Acetate
Concen: 1.565 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.006 min
Lab File: VL042541.D
Acq: 14 May 2025 14:15

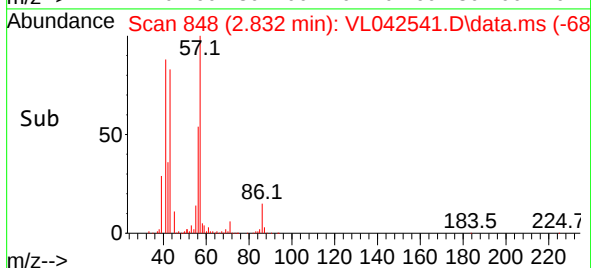
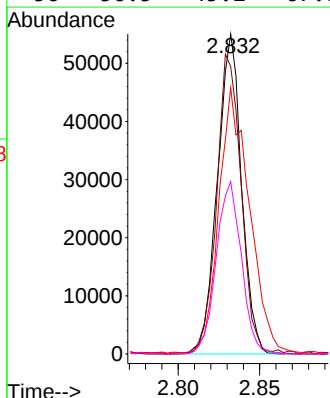
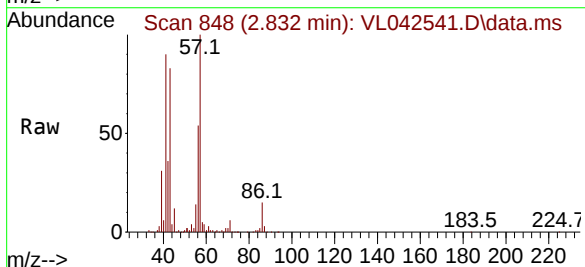
Instrument :
MSVOA_L
ClientSampleId :
IA1

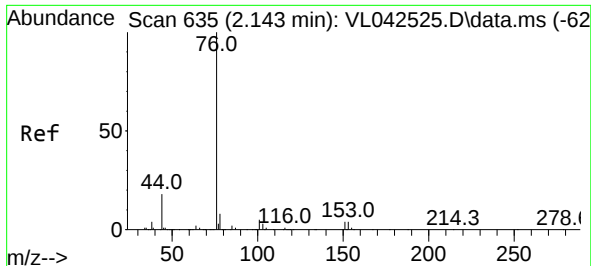
Tgt Ion:	43	Resp:	59084
Ion	Ratio	Lower	Upper
43	100		
45	21.5	7.9	11.9#
61	6.4	7.1	10.7#
70	5.3	6.9	10.3#



#26
Hexane
Concen: 3.646 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.016 min
Lab File: VL042541.D
Acq: 14 May 2025 14:15

Tgt Ion:	57	Resp:	56507
Ion	Ratio	Lower	Upper
57	100		
41	96.5	76.1	114.1
43	107.0	188.9	283.3#
56	56.5	45.2	67.8





#27

Carbon Disulfide

Concen: 0.154 ppbv

RT: 2.152 min Scan# 61

Delta R.T. 0.009 min

Lab File: VL042541.D

Acq: 14 May 2025 14:15

Instrument :

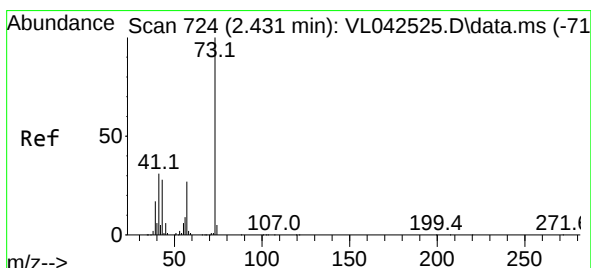
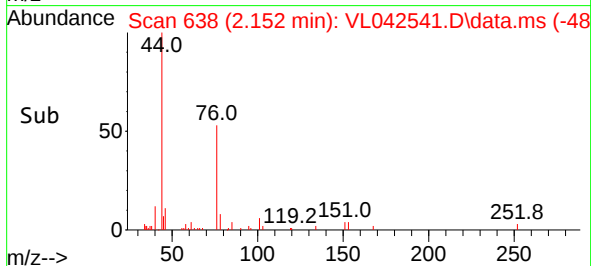
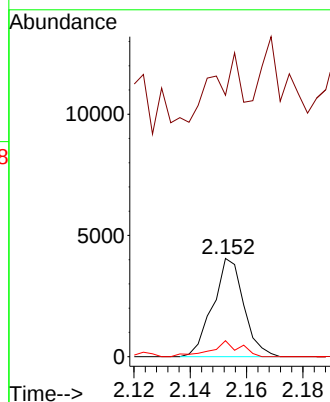
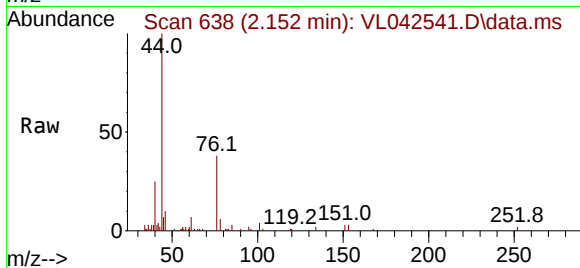
MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 76 Resp: 3089

Ion	Ratio	Lower	Upper
76	100		
44	1010.6	17.1	25.7#
78	17.4	8.6	12.8#



#28

Methyl tert-Butyl Ether

Concen: 0.037 ppbv

RT: 2.450 min Scan# 730

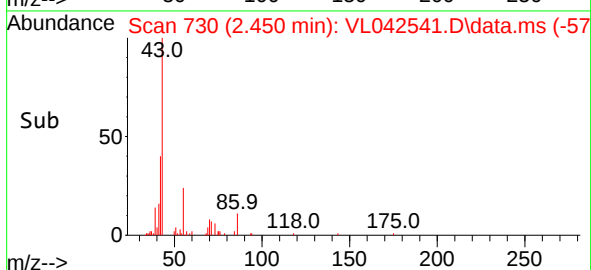
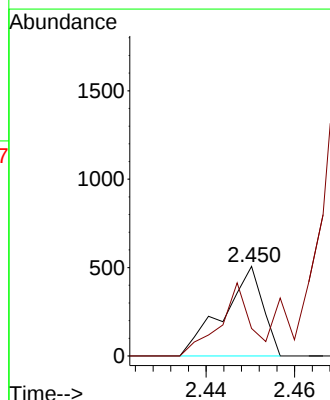
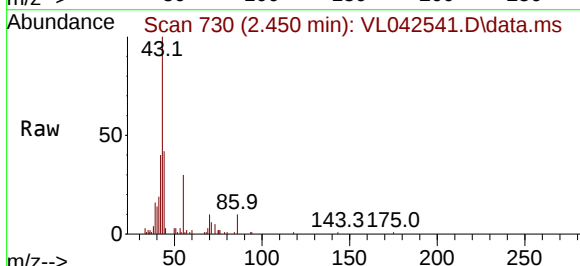
Delta R.T. 0.019 min

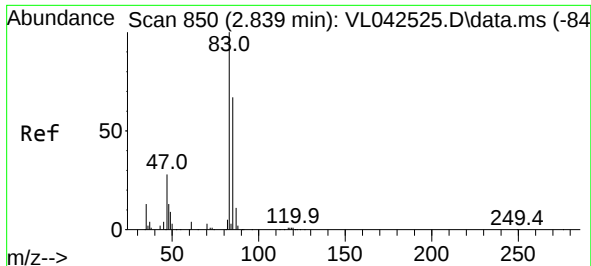
Lab File: VL042541.D

Acq: 14 May 2025 14:15

Tgt Ion: 73 Resp: 316

Ion	Ratio	Lower	Upper
73	100		
57	1306.3	20.3	30.5#





#29

Chloroform

Concen: 1.629 ppbv

RT: 2.852 min Scan# 854

Delta R.T. 0.013 min

Lab File: VL042541.D

Acq: 14 May 2025 14:15

Instrument :

MSVOA_L

ClientSampleId :

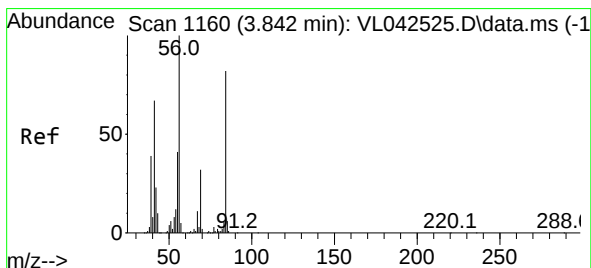
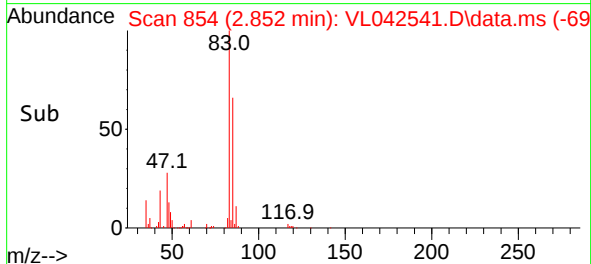
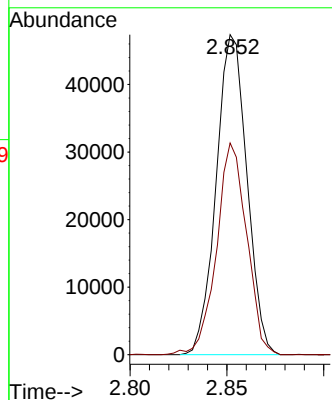
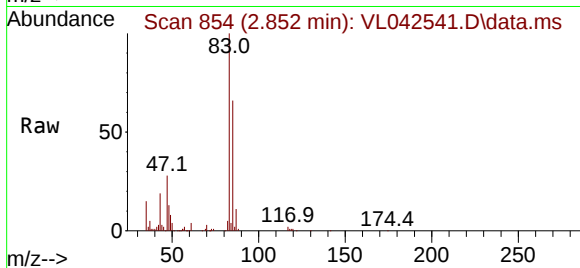
IA1

Tgt Ion: 83 Resp: 52359

Ion Ratio Lower Upper

83 100

85 66.2 53.5 80.3



#30

Cyclohexane

Concen: 1.350 ppbv

RT: 3.865 min Scan# 1167

Delta R.T. 0.022 min

Lab File: VL042541.D

Acq: 14 May 2025 14:15

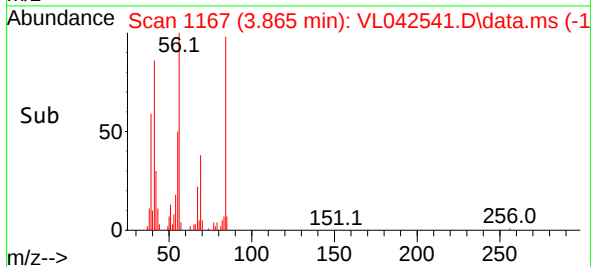
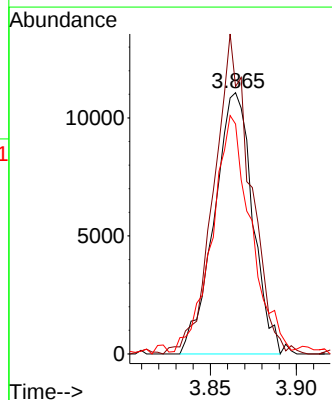
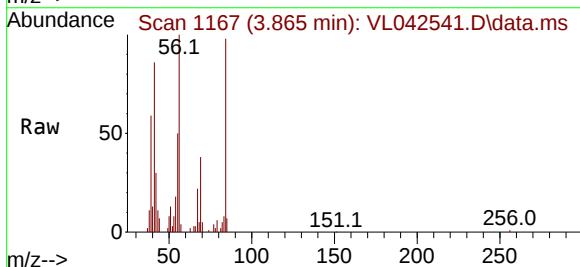
Tgt Ion: 84 Resp: 17180

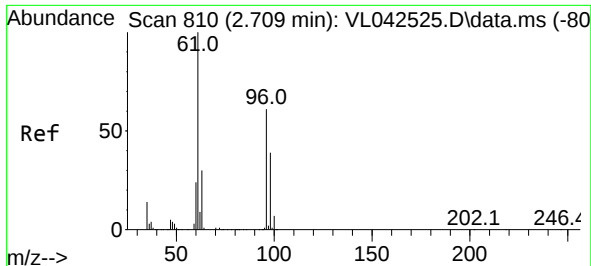
Ion Ratio Lower Upper

84 100

56 117.6 97.1 145.7

41 96.1 66.6 99.8

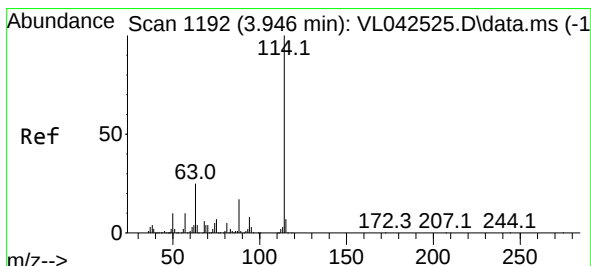
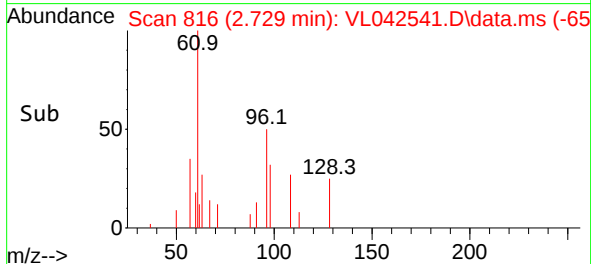
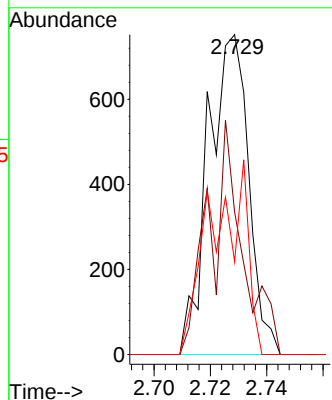
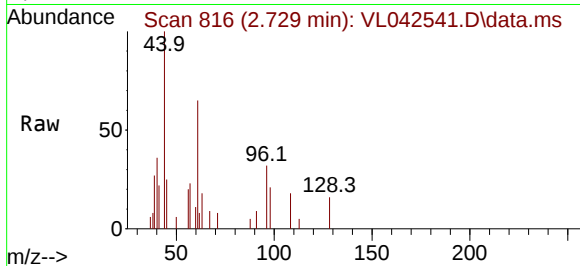




#31
 cis-1,2-Dichloroethene
 Concen: 0.043 ppbv
 RT: 2.729 min Scan# 810
 Delta R.T. 0.019 min
 Lab File: VL042541.D
 Acq: 14 May 2025 14:15

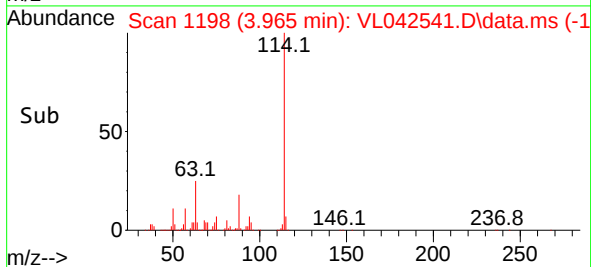
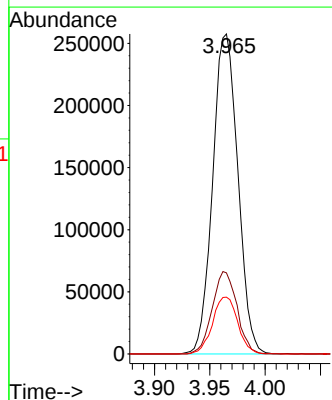
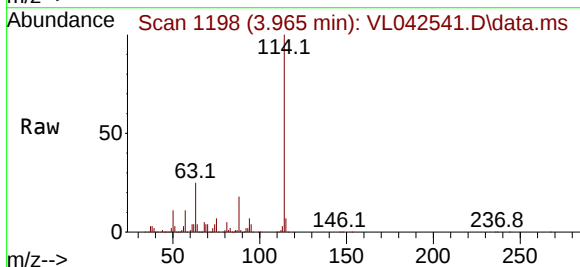
Instrument :
 MSVOA_1
 ClientSampleId :
 IA1

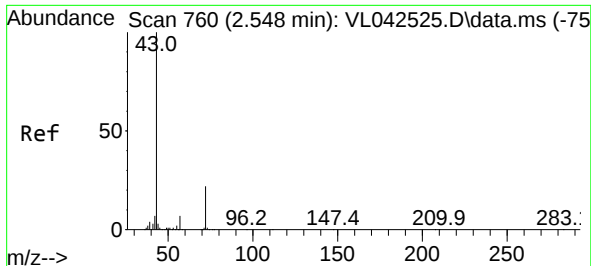
Tgt Ion: 61 Resp: 748
 Ion Ratio Lower Upper
 61 100
 96 44.5 48.9 73.3#
 98 29.0 31.4 47.2#



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.965 min Scan# 1198
 Delta R.T. 0.019 min
 Lab File: VL042541.D
 Acq: 14 May 2025 14:15

Tgt Ion: 114 Resp: 408032
 Ion Ratio Lower Upper
 114 100
 63 25.4 20.4 30.6
 88 17.8 14.5 21.7

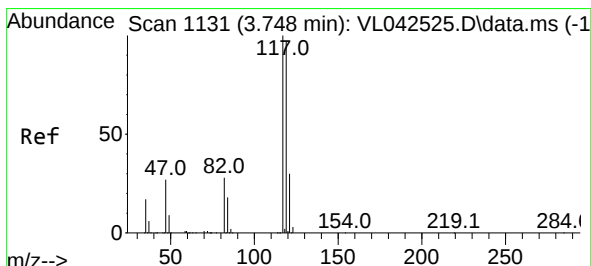
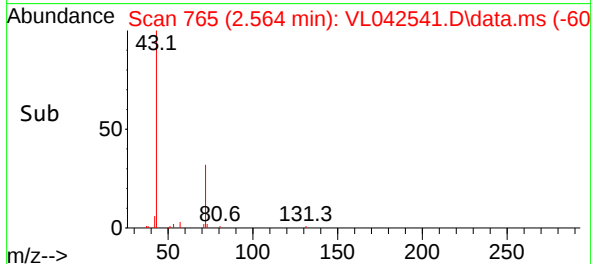
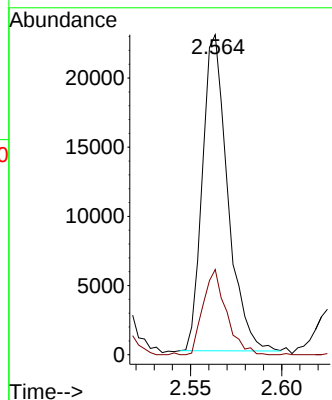
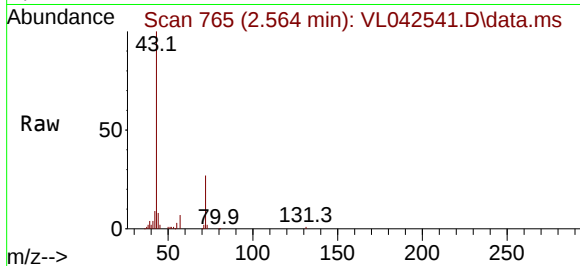




#34
2-Butanone
Concen: 0.822 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.016 min
Lab File: VL042541.D
Acq: 14 May 2025 14:15

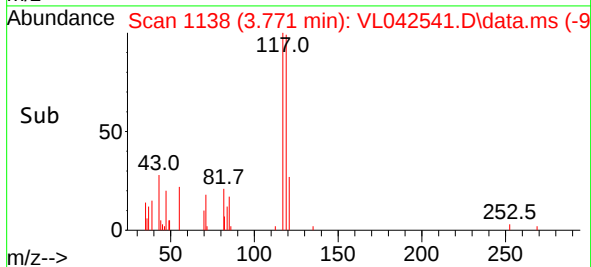
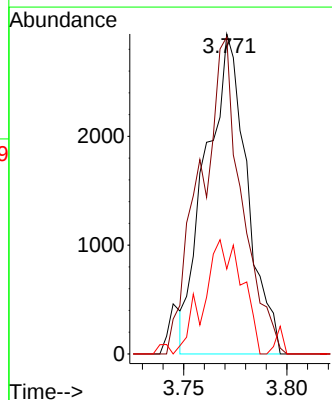
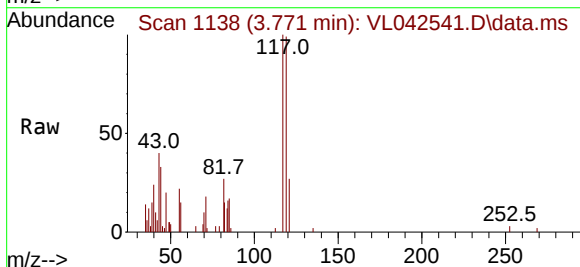
Instrument :
MSVOA_L
ClientSampleId :
IA1

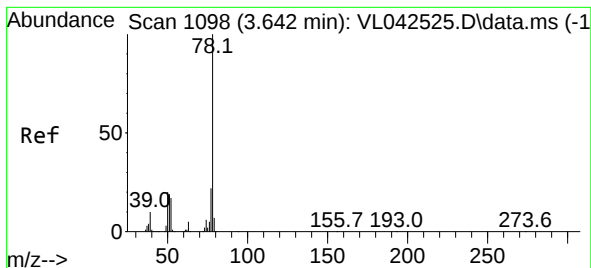
Tgt Ion: 43 Resp: 22109
Ion Ratio Lower Upper
43 100
72 24.8 18.7 28.1



#35
Carbon Tetrachloride
Concen: 0.111 ppbv
RT: 3.771 min Scan# 1138
Delta R.T. 0.022 min
Lab File: VL042541.D
Acq: 14 May 2025 14:15

Tgt Ion: 117 Resp: 4088
Ion Ratio Lower Upper
117 100
119 97.2 77.7 116.5
121 24.0 24.0 36.0





#36

Benzene

Concen: 0.471 ppbv

RT: 3.664 min Scan# 1105

Delta R.T. 0.022 min

Lab File: VL042541.D

Acq: 14 May 2025 14:15

Instrument :

MSVOA_L

ClientSampleId :

IA1

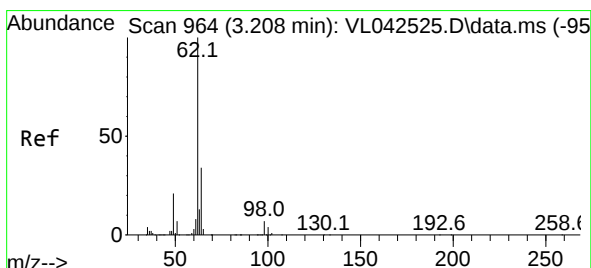
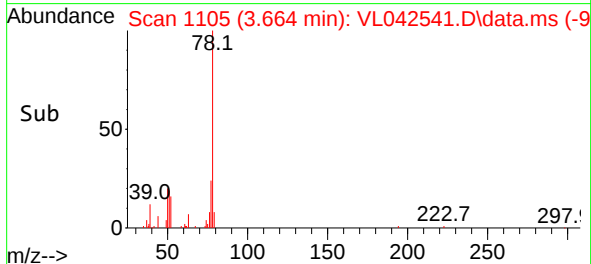
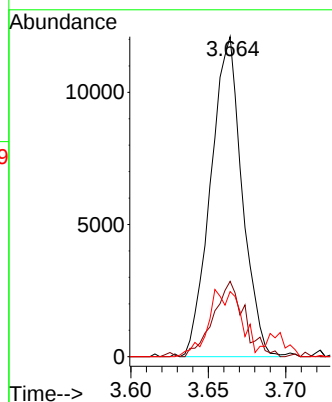
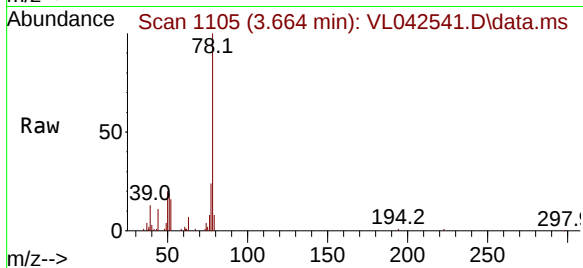
Tgt Ion: 78 Resp: 17040

Ion Ratio Lower Upper

78 100

77 23.6 17.4 26.2

50 19.9 16.3 24.5



#37

1,2-Dichloroethane

Concen: 0.269 ppbv

RT: 3.221 min Scan# 968

Delta R.T. 0.013 min

Lab File: VL042541.D

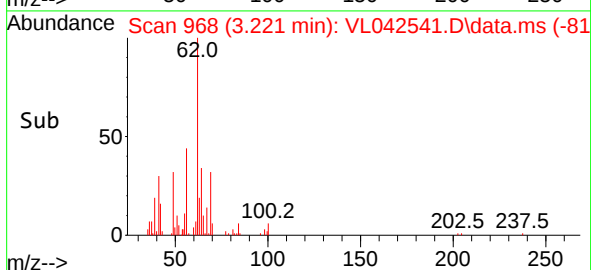
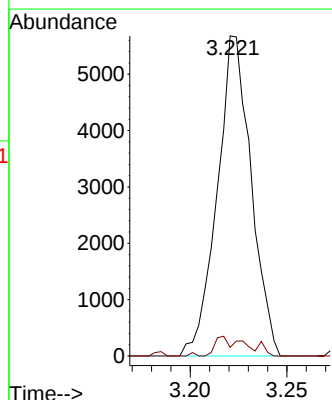
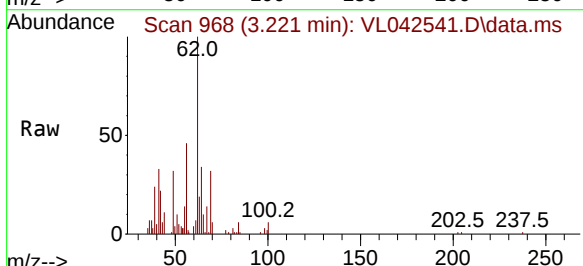
Acq: 14 May 2025 14:15

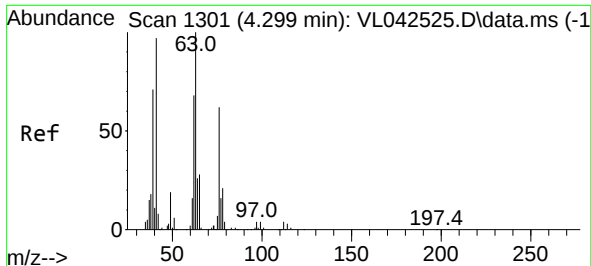
Tgt Ion: 62 Resp: 6929

Ion Ratio Lower Upper

62 100

98 5.8 5.0 7.4





#39

1,2-Dichloropropane

Concen: 7.607 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. -0.337 min

Lab File: VL042541.D

Acq: 14 May 2025 14:15

Instrument :

MSVOA_L

ClientSampleId :

IA1

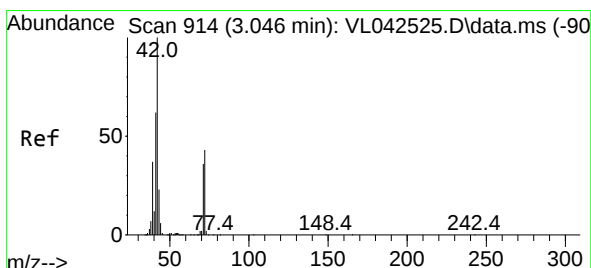
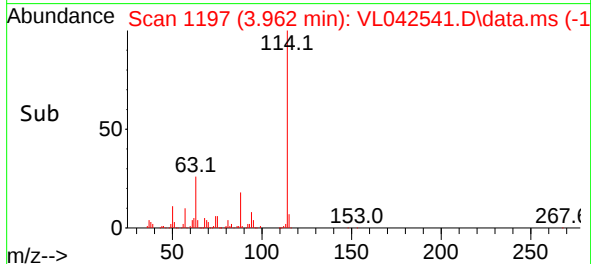
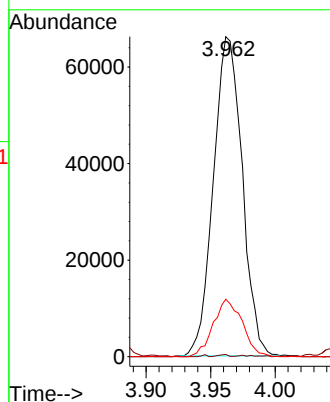
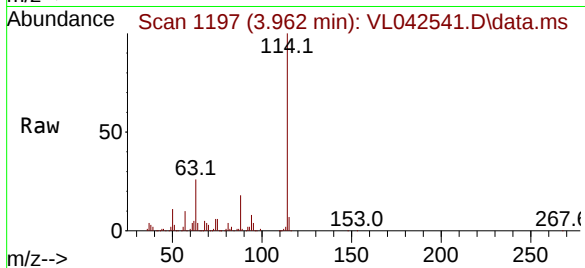
Tgt Ion: 63 Resp: 102455

Ion Ratio Lower Upper

63 100

41 0.7 77.5 116.3#

62 18.0 54.6 82.0#



#41

Tetrahydrofuran

Concen: 0.278 ppbv

RT: 3.068 min Scan# 921

Delta R.T. 0.022 min

Lab File: VL042541.D

Acq: 14 May 2025 14:15

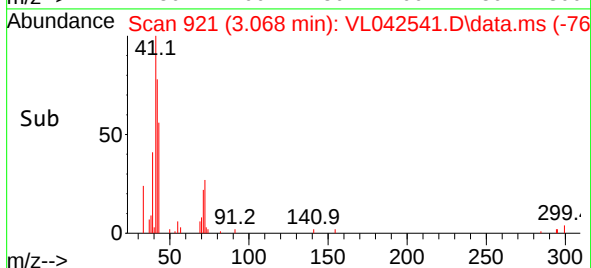
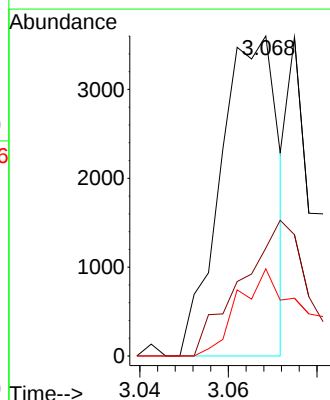
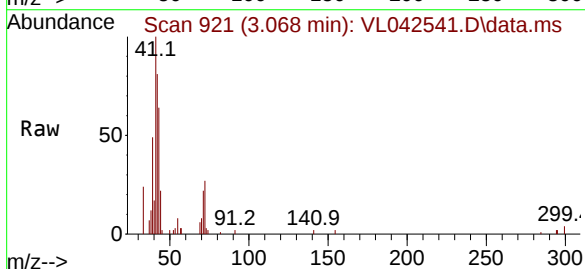
Tgt Ion: 42 Resp: 3236

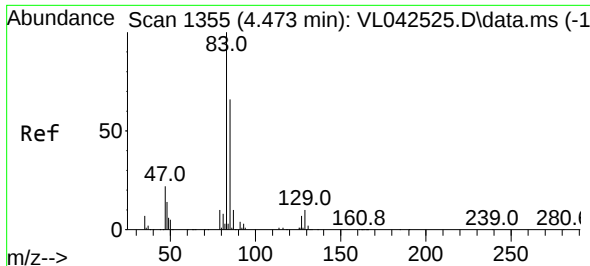
Ion Ratio Lower Upper

42 100

72 50.7 32.7 49.1#

71 34.3 30.4 45.6

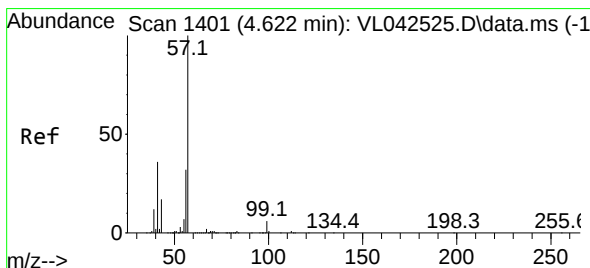
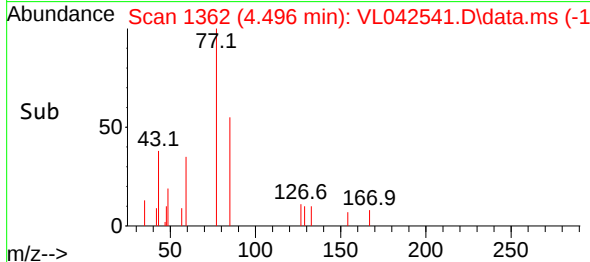
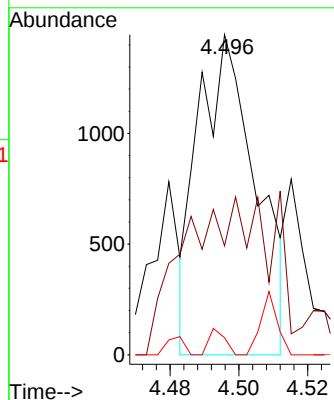
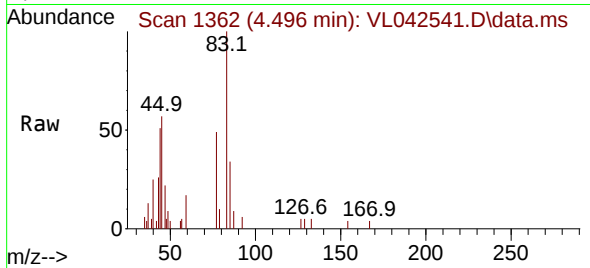




#42
 Bromodichloromethane
 Concen: 0.049 ppbv
 RT: 4.496 min Scan# 11
 Delta R.T. 0.022 min
 Lab File: VL042541.D
 Acq: 14 May 2025 14:15

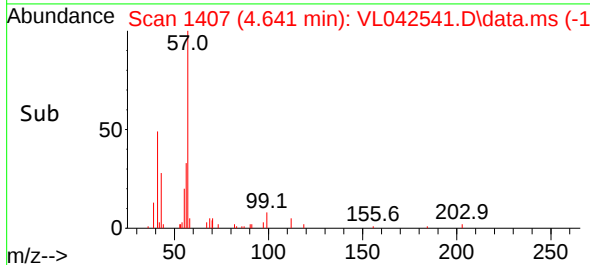
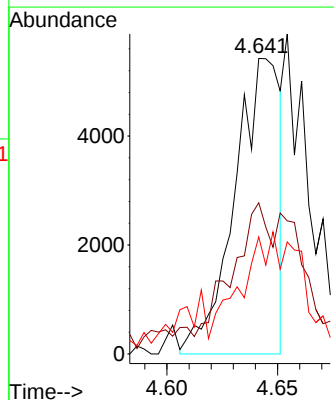
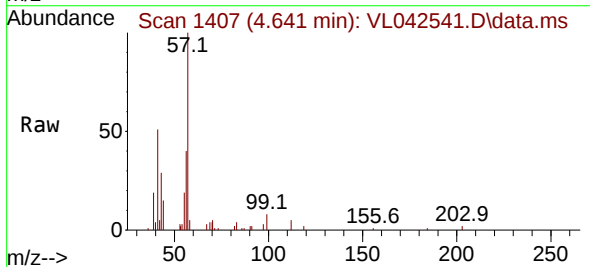
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

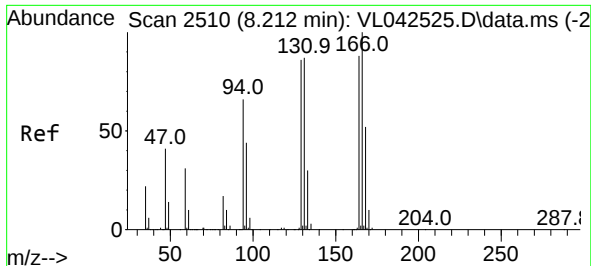
Tgt Ion: 83 Resp: 1684
 Ion Ratio Lower Upper
 83 100
 85 3.8 52.6 79.0#
 127 0.0 6.0 9.0#



#44
 2,2,4-Trimethylpentane
 Concen: 0.135 ppbv
 RT: 4.641 min Scan# 1407
 Delta R.T. 0.019 min
 Lab File: VL042541.D
 Acq: 14 May 2025 14:15

Tgt Ion: 57 Resp: 7712
 Ion Ratio Lower Upper
 57 100
 41 97.3 28.3 42.5#
 56 0.0 25.9 38.9#

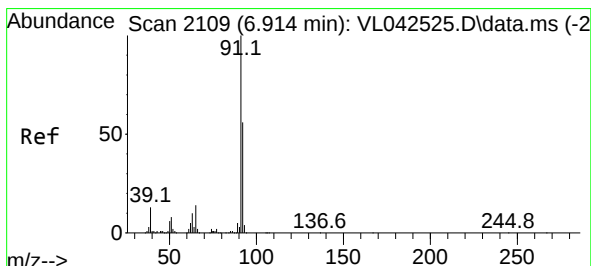
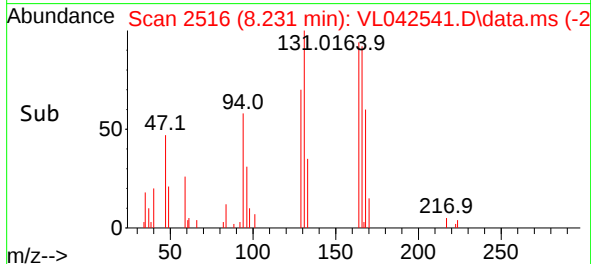
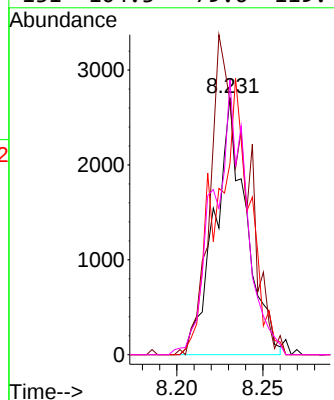
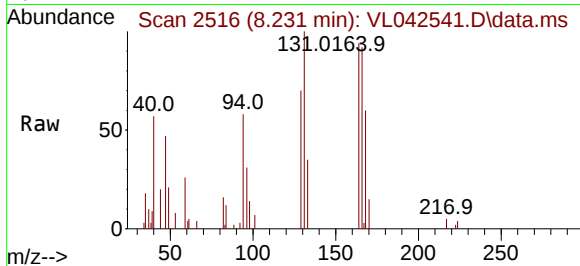




#52
Tetrachloroethene
Concen: 0.251 ppbv
RT: 8.231 min Scan# 2118
Delta R.T. 0.019 min
Lab File: VL042541.D
Acq: 14 May 2025 14:15

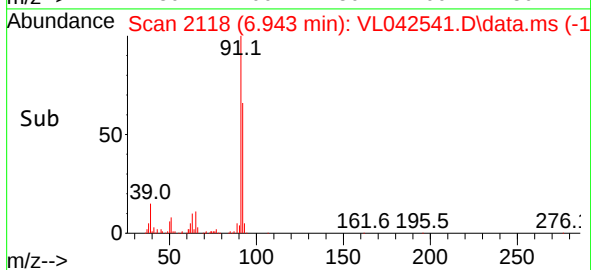
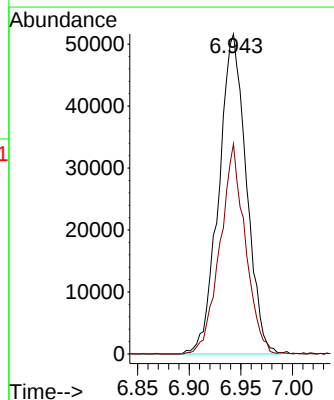
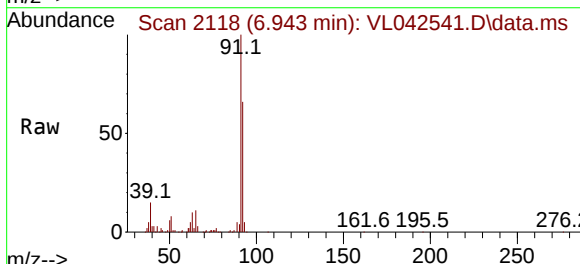
Instrument :
MSVOA_L
ClientSampleId :
IA1

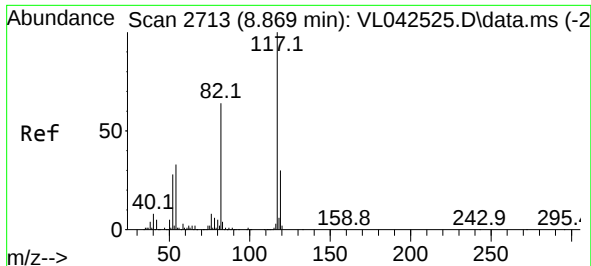
Tgt Ion:	164	Resp:	3466
Ion	Ratio	Lower	Upper
164	100		
166	96.6	91.3	136.9
129	74.4	78.9	118.3#
131	104.3	79.6	119.4



#53
Toluene
Concen: 2.701 ppbv
RT: 6.943 min Scan# 2118
Delta R.T. 0.029 min
Lab File: VL042541.D
Acq: 14 May 2025 14:15

Tgt Ion:	91	Resp:	95844
Ion	Ratio	Lower	Upper
91	100		
92	60.2	47.8	71.6

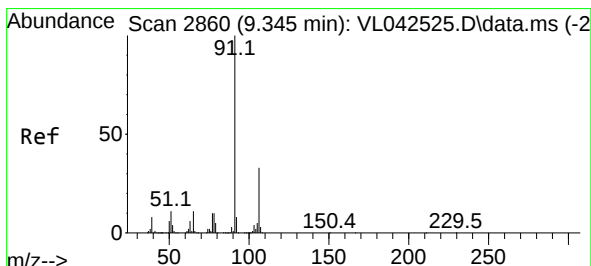
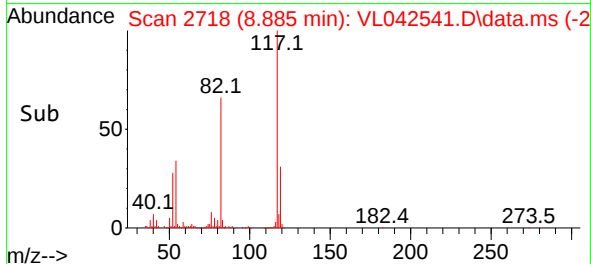
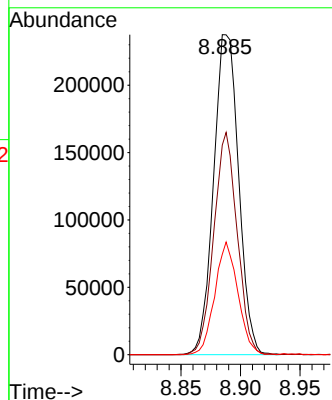
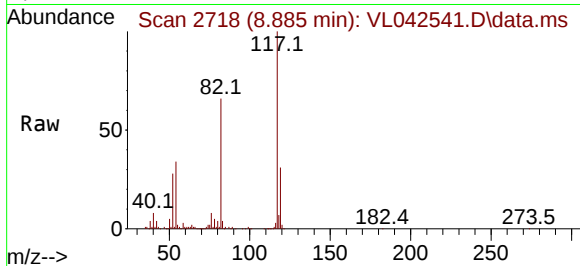




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL042541.D
Acq: 14 May 2025 14:15

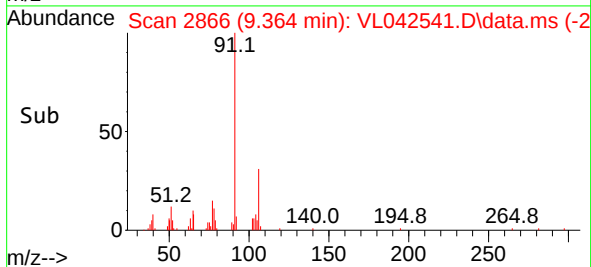
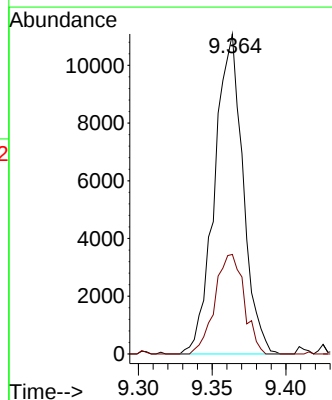
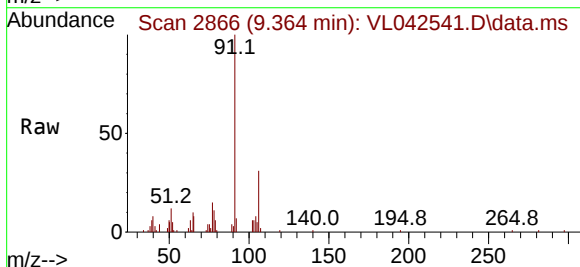
Instrument :
MSVOA_L
ClientSampleId :
IA1

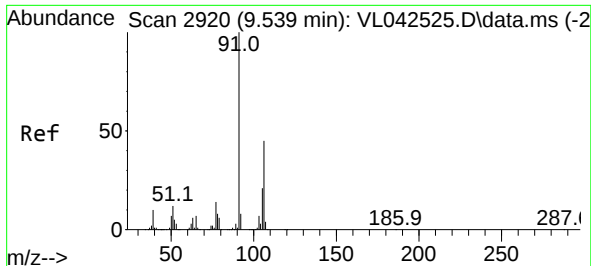
Tgt Ion:117 Resp: 347758
Ion Ratio Lower Upper
117 100
82 64.8 55.0 82.4
119 32.6 25.8 38.6



#58
Ethyl Benzene
Concen: 0.313 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. 0.019 min
Lab File: VL042541.D
Acq: 14 May 2025 14:15

Tgt Ion: 91 Resp: 14851
Ion Ratio Lower Upper
91 100
106 31.1 26.0 39.0





#59

m/p-Xylene

Concen: 0.911 ppbv

RT: 9.539 min Scan# 2920

Delta R.T. -0.000 min

Lab File: VL042541.D

Acq: 14 May 2025 14:15

Instrument :

MSVOA_L

ClientSampleId :

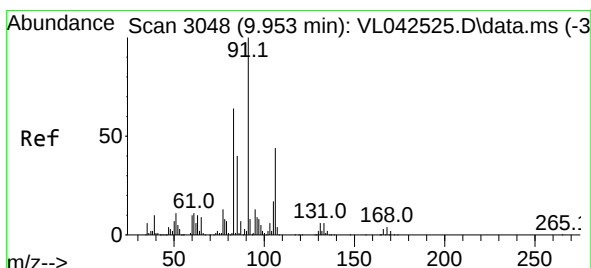
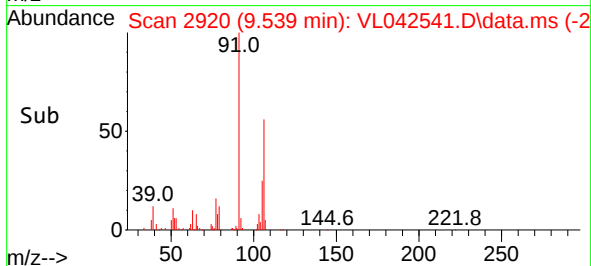
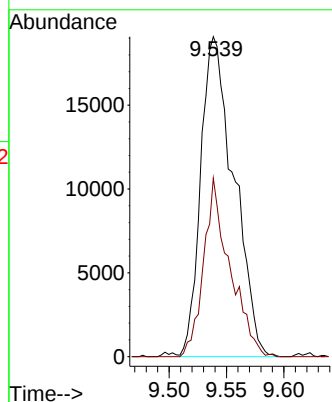
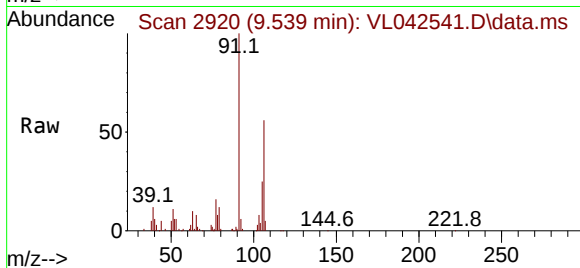
IA1

Tgt Ion: 91 Resp: 38335

Ion Ratio Lower Upper

91 100

106 44.2 0.0 0.0#



#60

o-Xylene

Concen: 0.415 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. 0.016 min

Lab File: VL042541.D

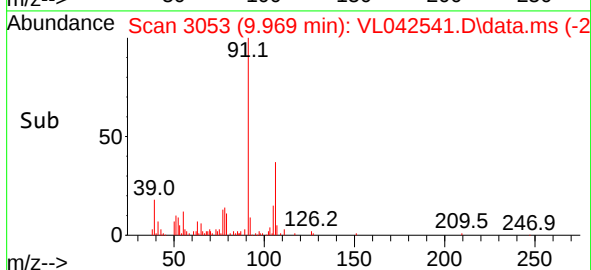
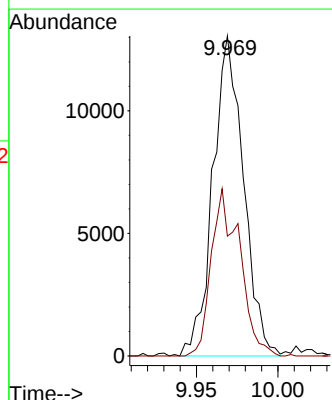
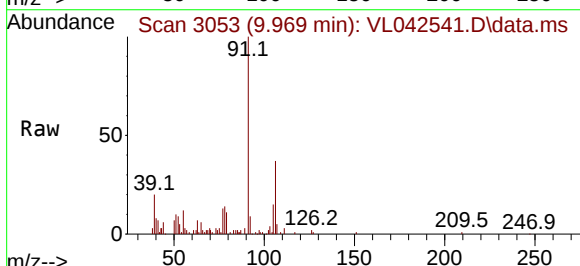
Acq: 14 May 2025 14:15

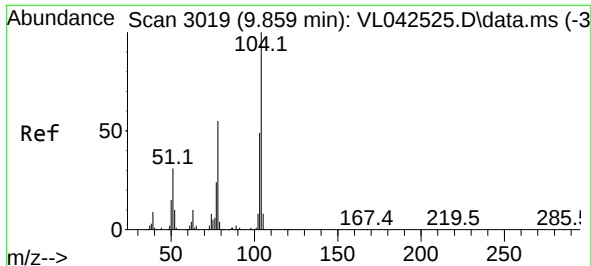
Tgt Ion: 91 Resp: 17042

Ion Ratio Lower Upper

91 100

106 48.7 21.6 64.6





#61

Styrene

Concen: 1.151 ppbv

RT: 9.878 min Scan# 3019

Delta R.T. 0.019 min

Lab File: VL042541.D

Acq: 14 May 2025 14:15

Instrument :

MSVOA_L

ClientSampleId :

IA1

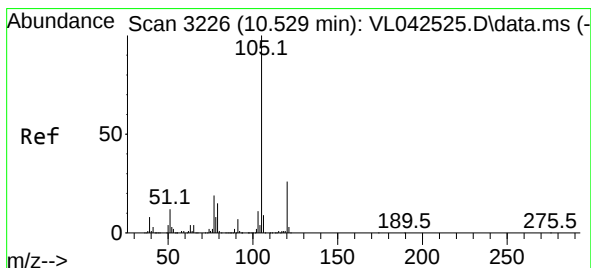
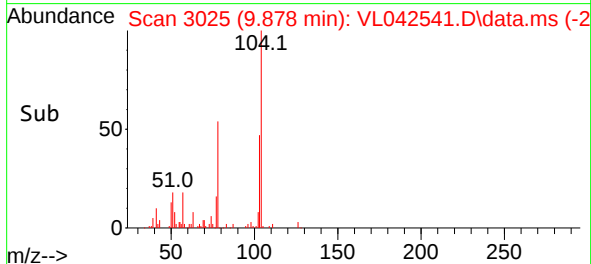
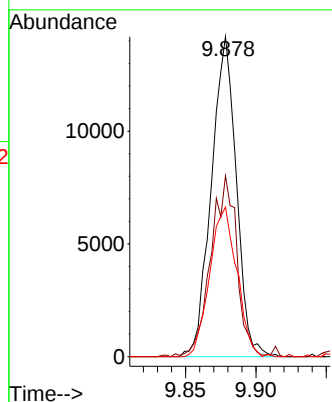
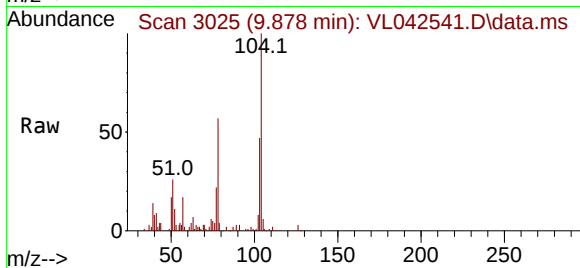
Tgt Ion:104 Resp: 17521

Ion Ratio Lower Upper

104 100

78 59.7 44.7 67.1

103 50.8 38.6 58.0



#62

Isopropylbenzene

Concen: 0.044 ppbv

RT: 10.545 min Scan# 3231

Delta R.T. 0.016 min

Lab File: VL042541.D

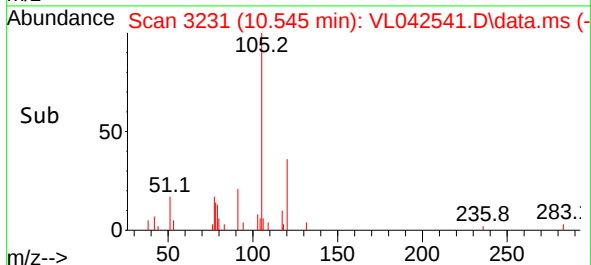
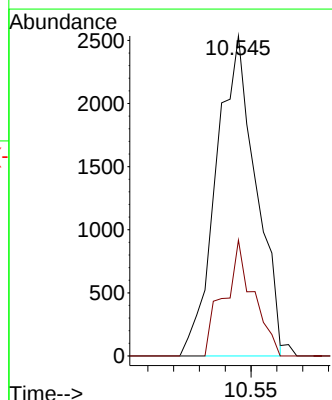
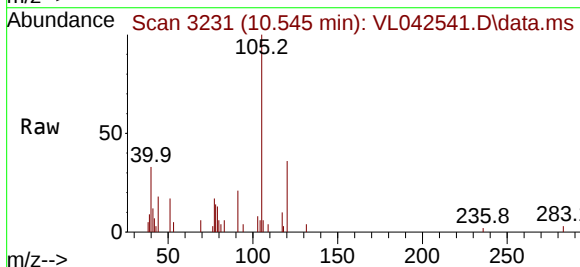
Acq: 14 May 2025 14:15

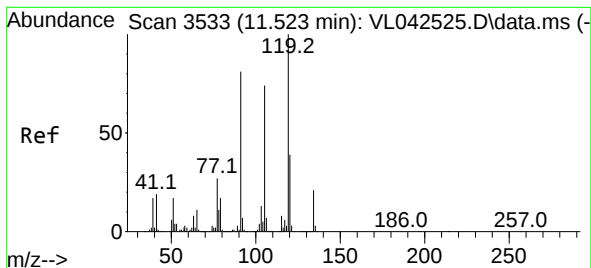
Tgt Ion:105 Resp: 2710

Ion Ratio Lower Upper

105 100

120 26.6 20.1 30.1





#65

tert-Butylbenzene

Concen: 0.074 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.016 min

Lab File: VL042541.D

Acq: 14 May 2025 14:15

Instrument :

MSVOA_L

ClientSampleId :

IA1

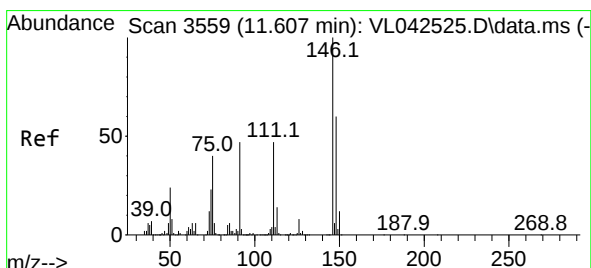
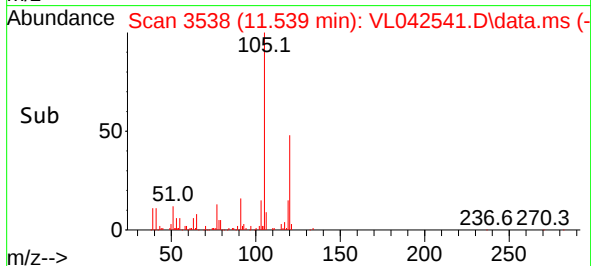
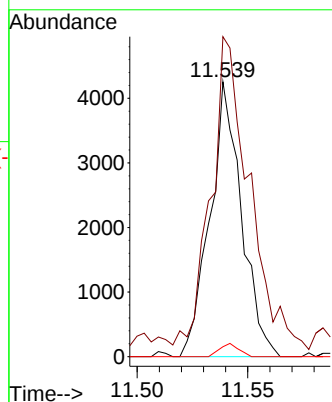
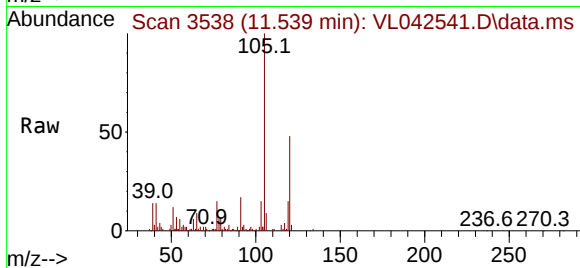
Tgt Ion:119 Resp: 4217

Ion Ratio Lower Upper

119 100

91 150.9 66.6 99.8#

134 2.9 16.3 24.5#



#66

Benzyl Chloride

Concen: 0.667 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. -0.068 min

Lab File: VL042541.D

Acq: 14 May 2025 14:15

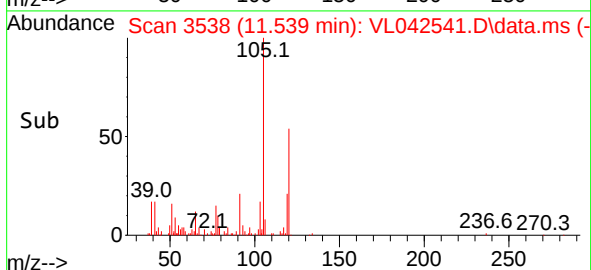
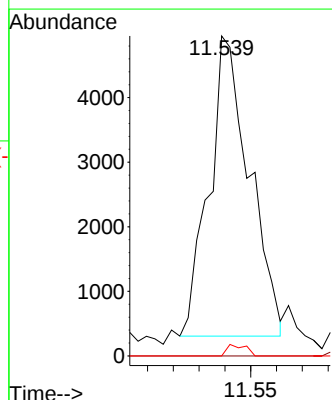
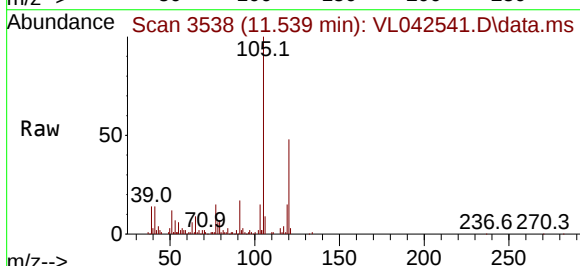
Tgt Ion: 91 Resp: 5042

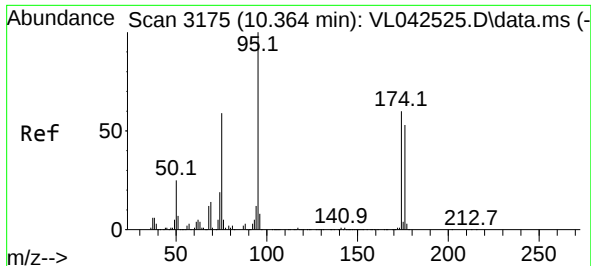
Ion Ratio Lower Upper

91 100

126 0.6 13.7 20.5#

128 1.8 4.2 6.2#

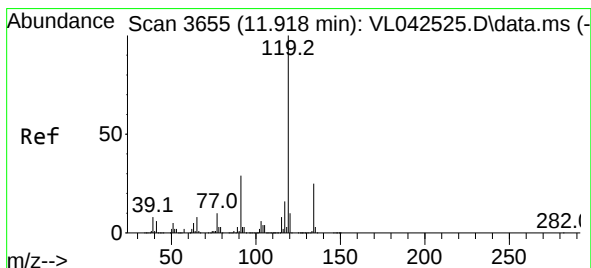
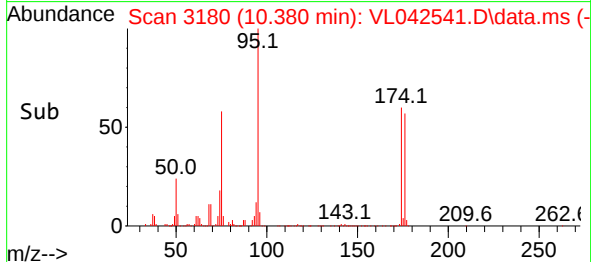
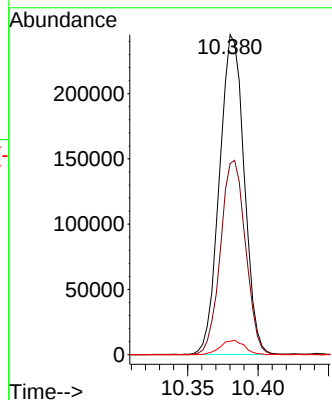
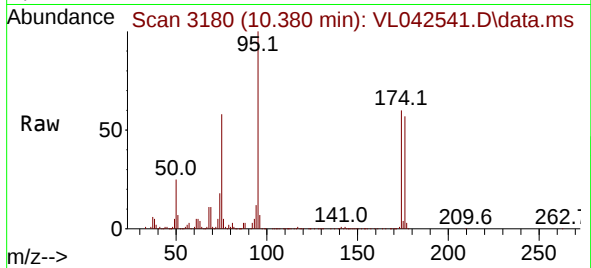




#68
1-Bromo-4-Fluorobenzene
Concen: 9.897 ppbv
RT: 10.380 min Scan# 3175
Delta R.T. 0.016 min
Lab File: VL042541.D
Acq: 14 May 2025 14:15

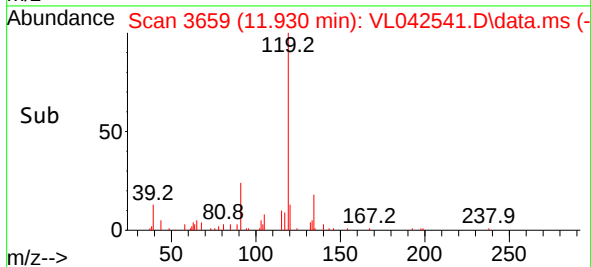
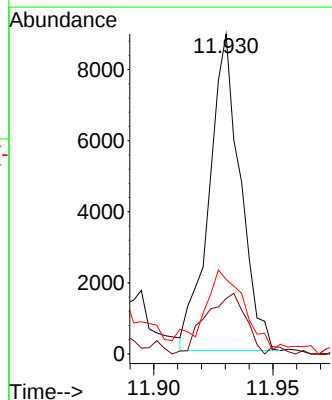
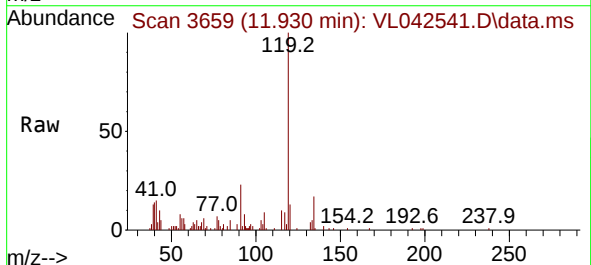
Instrument :
MSVOA_L
ClientSampleId :
IA1

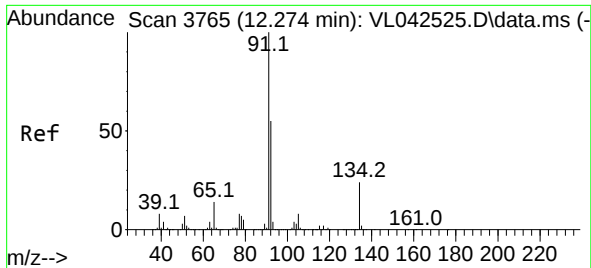
Tgt Ion: 95 Resp: 299463
Ion Ratio Lower Upper
95 100
174 61.6 48.0 72.0
175 4.4 3.5 5.3



#69
p-Isopropyltoluene
Concen: 0.121 ppbv
RT: 11.930 min Scan# 3659
Delta R.T. 0.013 min
Lab File: VL042541.D
Acq: 14 May 2025 14:15

Tgt Ion: 119 Resp: 8127
Ion Ratio Lower Upper
119 100
134 25.6 19.8 29.6
91 33.6 23.6 35.4

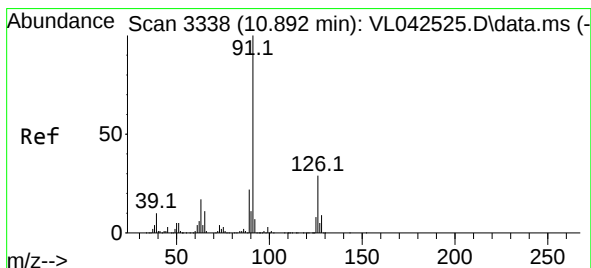
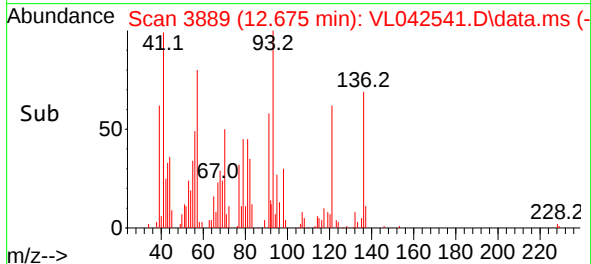
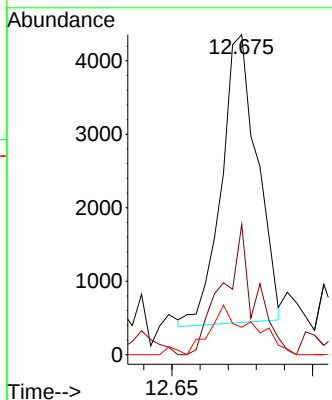
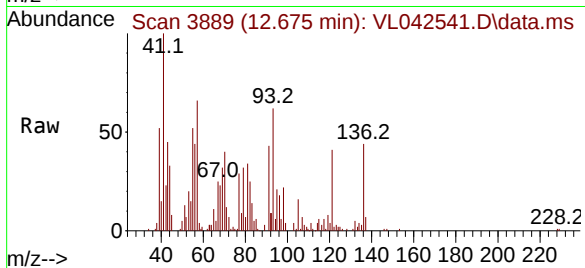




#70
n-Butylbenzene
Concen: 0.052 ppbv
RT: 12.675 min Scan# 3435
Delta R.T. 0.401 min
Lab File: VL042541.D
Acq: 14 May 2025 14:15

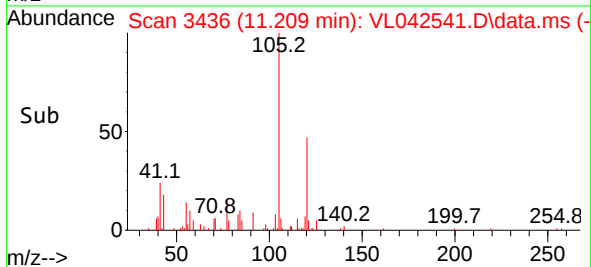
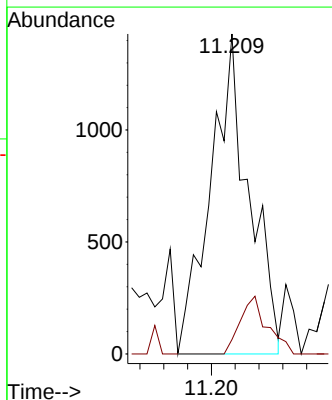
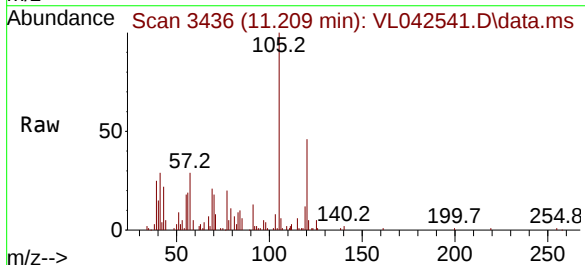
Instrument :
MSVOA_L
ClientSampleId :
IA1

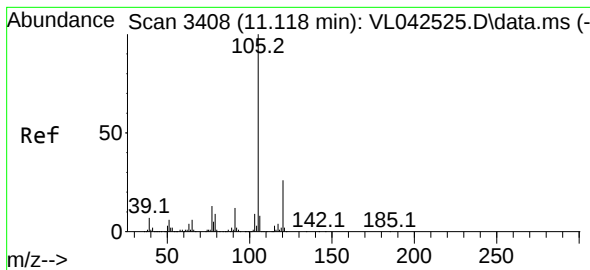
Tgt Ion: 91 Resp: 3450
Ion Ratio Lower Upper
91 100
92 44.7 43.7 65.5
134 21.4 18.9 28.3



#71
2-Chlorotoluene
Concen: 0.034 ppbv
RT: 11.209 min Scan# 3436
Delta R.T. 0.317 min
Lab File: VL042541.D
Acq: 14 May 2025 14:15

Tgt Ion: 91 Resp: 1601
Ion Ratio Lower Upper
91 100
126 12.7 11.4 45.6

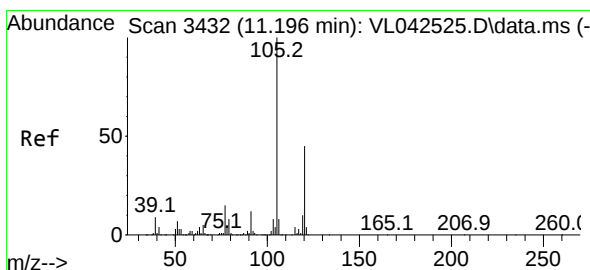
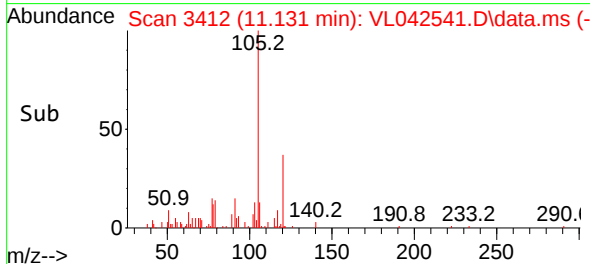
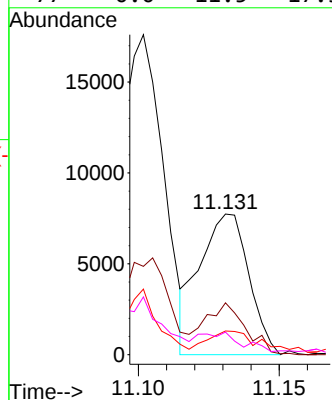
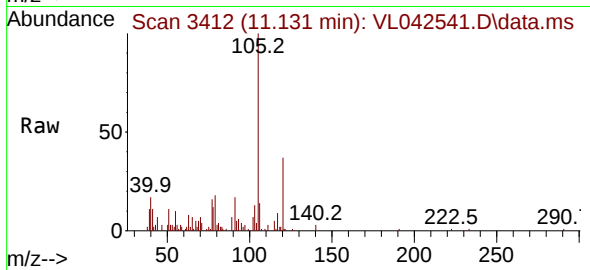




#72
4-Ethyltoluene
Concen: 0.185 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. 0.013 min
Lab File: VL042541.D
Acq: 14 May 2025 14:15

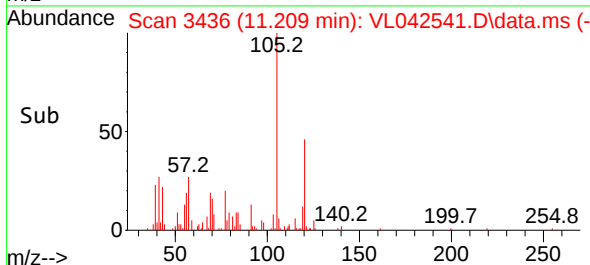
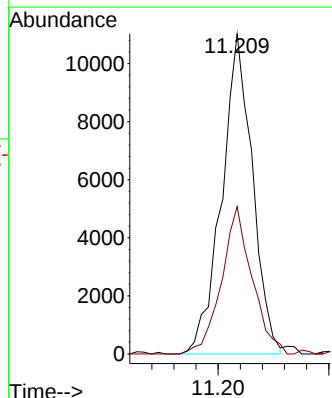
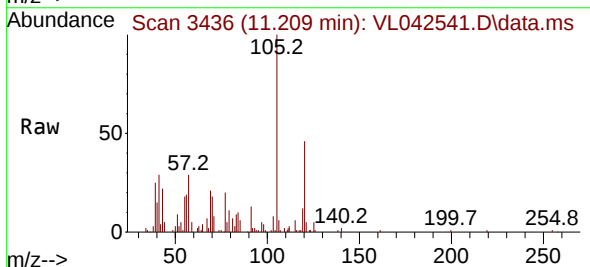
Instrument :
MSVOA_L
ClientSampleId :
IA1

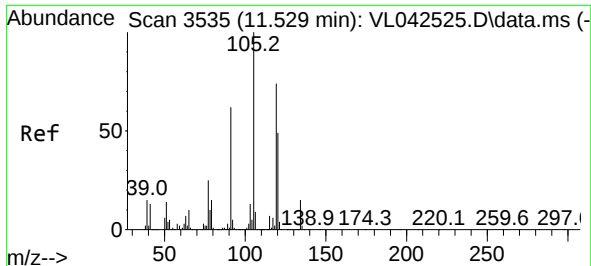
Tgt Ion:105 Resp: 9443
Ion Ratio Lower Upper
105 100
120 0.0 22.9 34.3#
91 16.8 10.9 16.3#
77 0.0 11.5 17.3#



#73
1,3,5-Trimethylbenzene
Concen: 0.239 ppbv
RT: 11.209 min Scan# 3436
Delta R.T. 0.013 min
Lab File: VL042541.D
Acq: 14 May 2025 14:15

Tgt Ion:105 Resp: 10634
Ion Ratio Lower Upper
105 100
120 46.1 36.0 54.0

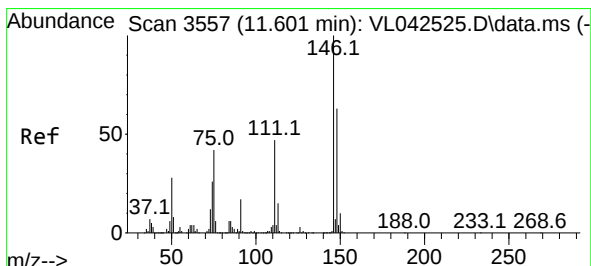
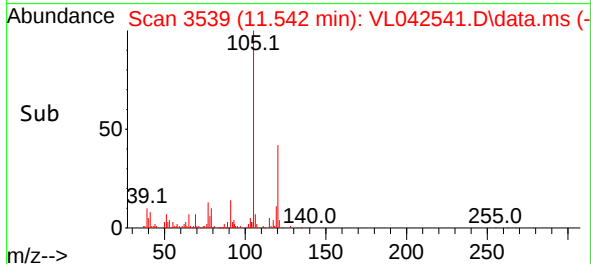
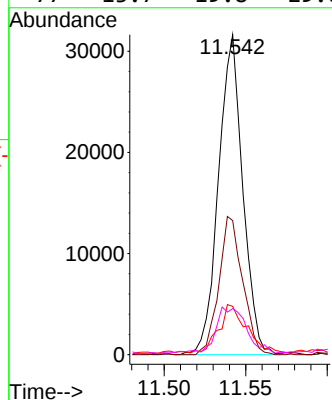
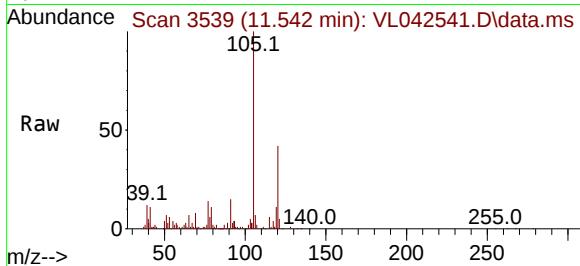




#74
1,2,4-Trimethylbenzene
Concen: 0.599 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. 0.013 min
Lab File: VL042541.D
Acq: 14 May 2025 14:15

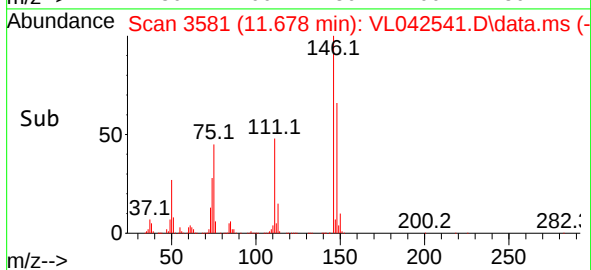
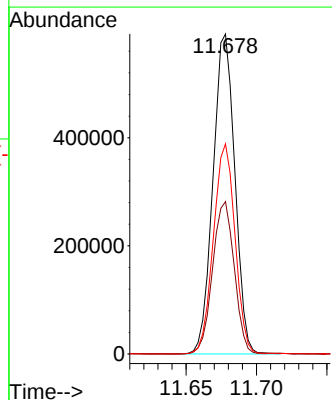
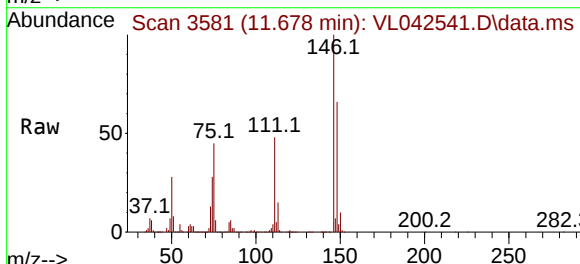
Instrument :
MSVOA_L
ClientSampleId :
IA1

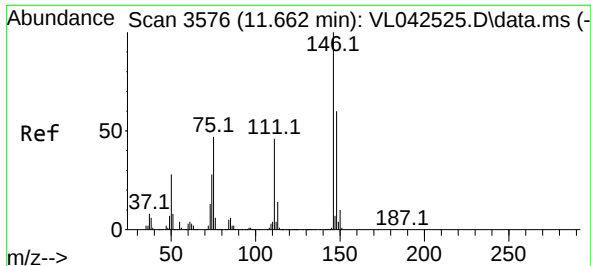
Tgt Ion:	105	Resp:	32735
Ion Ratio	Lower	Upper	
105	100		
120	41.9	39.0	58.6
91	14.1	49.4	74.2#
77	13.7	19.8	29.6#



#75
1,3-Dichlorobenzene
Concen: 18.667 ppbv
RT: 11.678 min Scan# 3581
Delta R.T. 0.077 min
Lab File: VL042541.D
Acq: 14 May 2025 14:15

Tgt Ion:	146	Resp:	638942
Ion Ratio	Lower	Upper	
146	100		
111	47.7	23.6	71.0
148	65.1	31.6	94.8

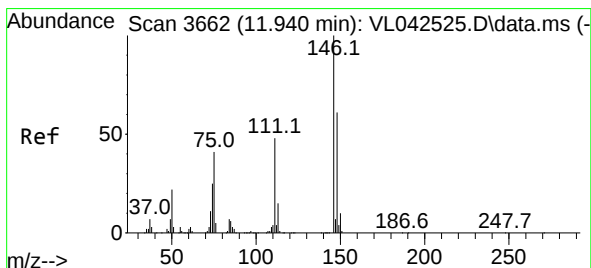
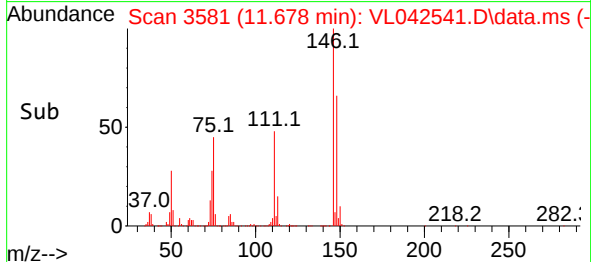
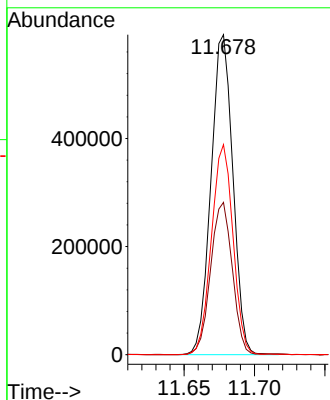
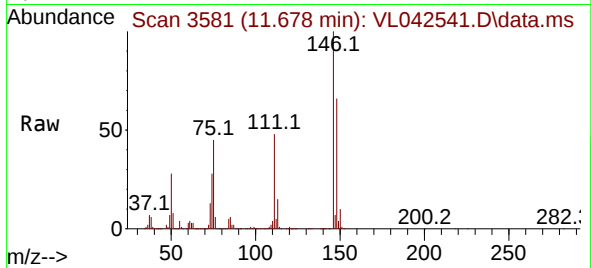




#76
1,4-Dichlorobenzene
Concen: 19.620 ppbv
RT: 11.678 min Scan# 3581
Delta R.T. 0.016 min
Lab File: VL042541.D
Acq: 14 May 2025 14:15

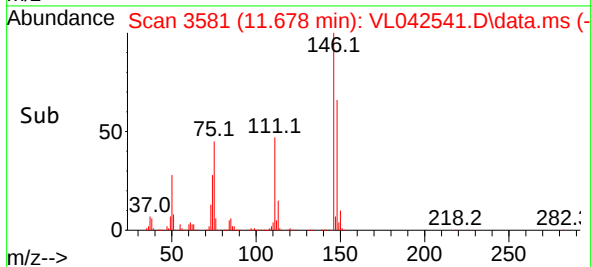
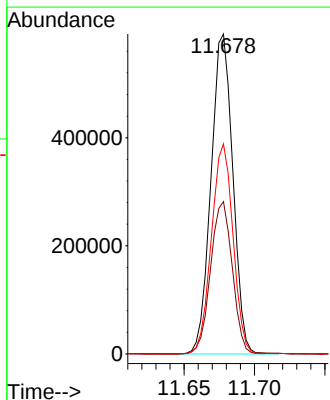
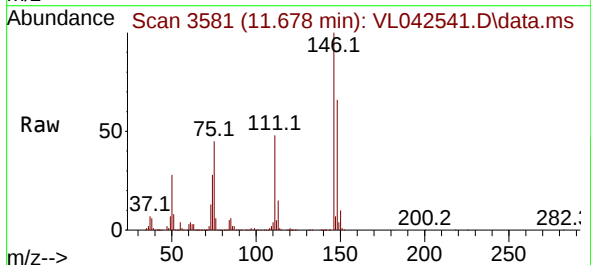
Instrument :
MSVOA_L
ClientSampleId :
IA1

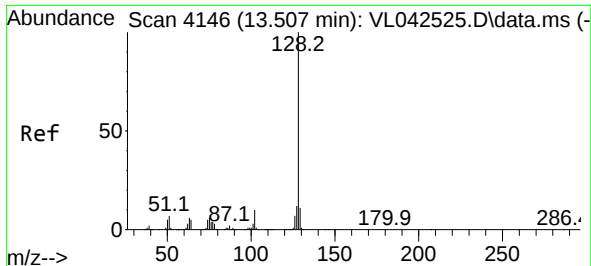
Tgt Ion:146 Resp: 638942
Ion Ratio Lower Upper
146 100
111 47.6 23.4 70.3
148 65.1 31.6 94.7



#77
1,2-Dichlorobenzene
Concen: 18.071 ppbv
RT: 11.678 min Scan# 3581
Delta R.T. -0.262 min
Lab File: VL042541.D
Acq: 14 May 2025 14:15

Tgt Ion:146 Resp: 638942
Ion Ratio Lower Upper
146 100
111 47.7 24.9 74.8
148 65.1 31.4 94.2

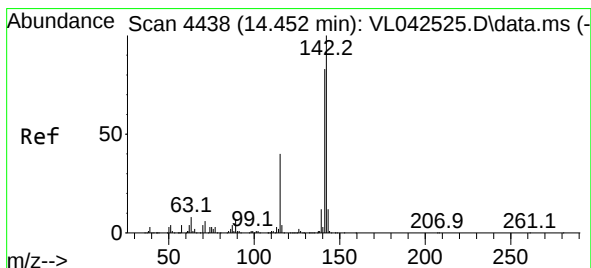
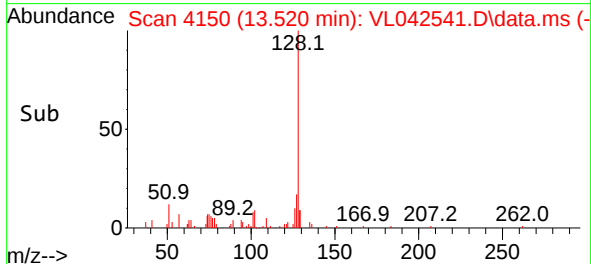
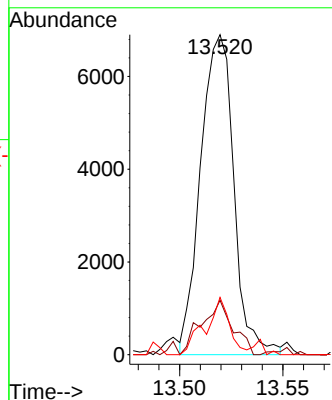
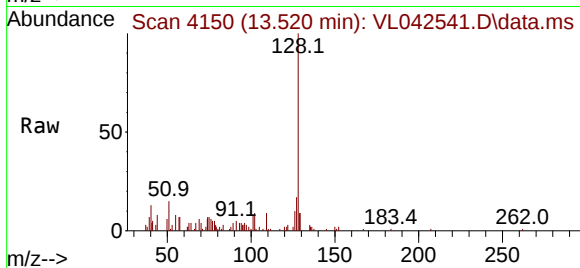




#79
Naphthalene
Concen: 0.204 ppbv
RT: 13.520 min Scan# 4146
Delta R.T. 0.013 min
Lab File: VL042541.D
Acq: 14 May 2025 14:15

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:128 Resp: 7709
Ion Ratio Lower Upper
128 100
127 17.4 9.8 14.8#
129 18.3 8.6 12.8#



#80
Naphthalene,2-methyl-
Concen: 0.130 ppbv
RT: 14.468 min Scan# 4443
Delta R.T. 0.016 min
Lab File: VL042541.D
Acq: 14 May 2025 14:15

Tgt Ion:142 Resp: 2848
Ion Ratio Lower Upper
142 100
141 90.7 66.8 100.2
115 57.1 33.0 49.6#

