

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101625\
 Data File : VL043127.D
 Acq On : 16 Oct 2025 11:18
 Operator : SY/MD
 Sample : VL1016ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1016ABS01

Quant Time: Oct 17 01:13:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Oct 15 02:12:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	90912	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	288948	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	252106	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	208995	10.665	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.700%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	143313	11.088	ppbv	99
3) Chlorodifluoromethane	1.479	51	130988	9.367	ppbv	93
4) Chloromethane	1.534	50	48252	9.424	ppbv	96
5) Vinyl Chloride	1.583	62	49337	9.824	ppbv	97
6) Bromomethane	1.670	94	29207	10.606	ppbv	94
7) Chloroethane	1.706	64	20109	9.794	ppbv	99
8) Dichlorotetrafluoroethane	1.557	85	114282	10.940	ppbv	96
9) Propene	1.486	41	47678	7.688	ppbv	99
10) Heptane	4.985	43	141869	7.946	ppbv	95
11) Trichlorofluoromethane	1.881	101	150199	11.881	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.143	101	113499	11.151	ppbv	99
13) Ethanol	1.722	45	18344	7.996	ppbv	98
14) Bromoethene	1.784	108	40985	10.840	ppbv	98
15) Acetone	1.835	43	112632	9.192	ppbv	99
16) 1,3-Butadiene	1.612	39	55938	9.579	ppbv	97
17) tert-Butyl alcohol	2.043	59	177150	10.532	ppbv	100
18) 1,1-Dichloroethene	2.036	96	49422	11.138	ppbv	92
19) Isopropyl Alcohol	1.887	45	73183	9.589	ppbv	100
20) Methylene Chloride	2.065	84	43443	8.969	ppbv	94
21) Allyl Chloride	2.098	41	89747	9.939	ppbv	92
22) trans-1,2-Dichloroethene	2.344	96	55968	10.552	ppbv	97
23) Vinyl Acetate	2.463	43	174101	9.699	ppbv	98
24) 1,1-Dichloroethane	2.412	63	109513	10.686	ppbv	99
25) Ethyl Acetate	2.836	43	265844	8.749	ppbv	99
26) Hexane	2.829	57	128562	9.182	ppbv	94
27) Carbon Disulfide	2.153	76	137461	10.715	ppbv	99
28) Methyl tert-Butyl Ether	2.441	73	66437	10.430	ppbv	94
29) Chloroform	2.852	83	211887	10.444	ppbv	100
30) Cyclohexane	3.858	84	108080	8.844	ppbv	93
31) cis-1,2-Dichloroethene	2.722	61	136578	10.215	ppbv	98
32) 1,1,1-Trichloroethane	3.370	97	225410	10.669	ppbv	99
34) 2-Butanone	2.557	43	175824	9.052	ppbv	97
35) Carbon Tetrachloride	3.768	117	231342	11.136	ppbv	100
36) Benzene	3.661	78	257206	9.451	ppbv	98
37) 1,2-Dichloroethane	3.221	62	172087	10.977	ppbv #	96
38) Trichloroethene	4.554	130	100221	8.818	ppbv	96
39) 1,2-Dichloropropane	4.318	63	90964	9.143	ppbv	92
40) 1,4-Dioxane	4.583	88	39371	8.843	ppbv #	94
41) Tetrahydrofuran	3.056	42	87412	8.046	ppbv	92
42) Bromodichloromethane	4.493	83	231475	10.668	ppbv	98
43) Methyl Methacrylate	4.884	69	127142	9.198	ppbv	93
44) 2,2,4-Trimethylpentane	4.642	57	407826	8.882	ppbv	97
45) t-1,3-Dichloropropene	6.419	75	134398	9.689	ppbv	96

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

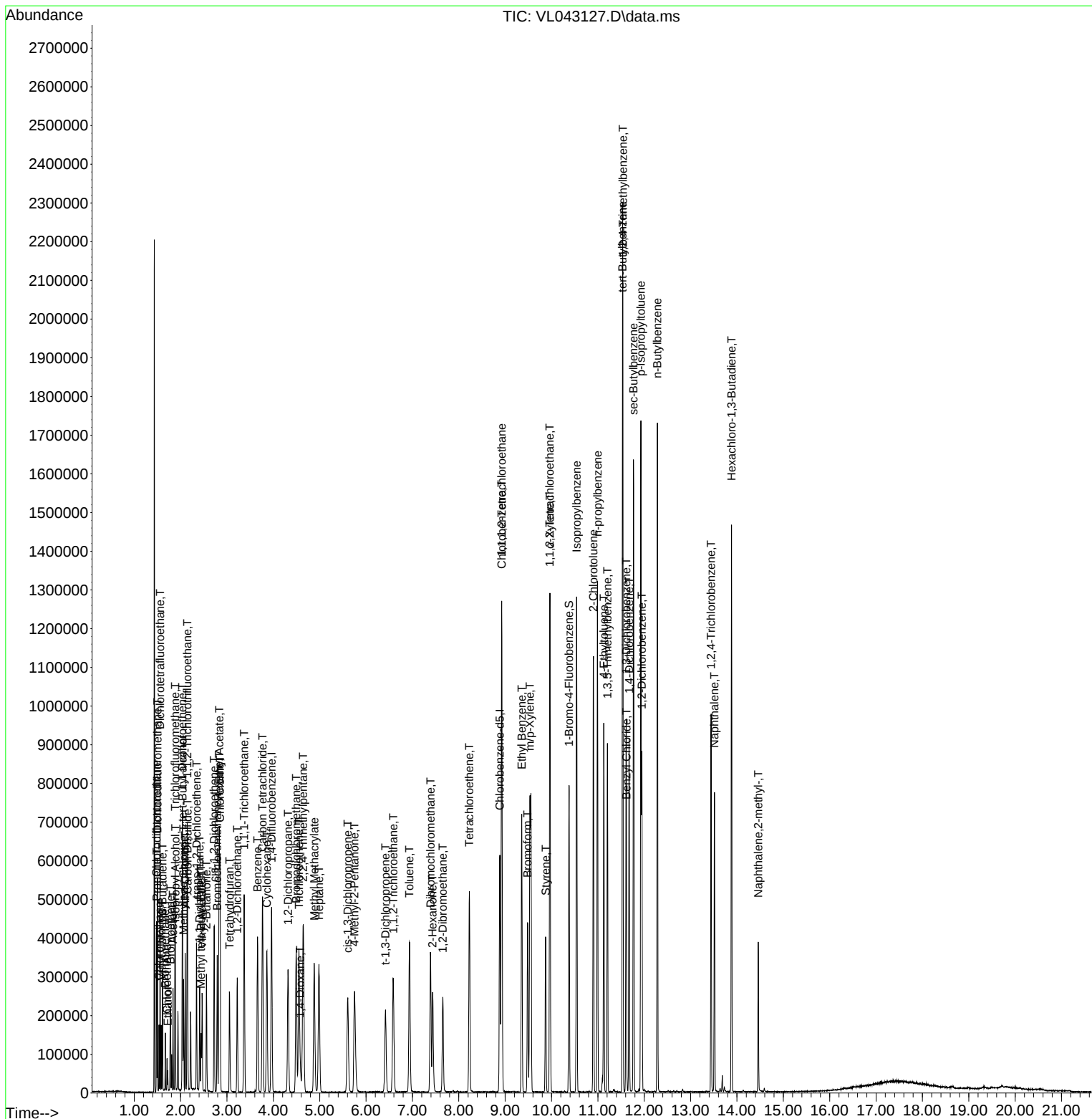
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1016ABS01

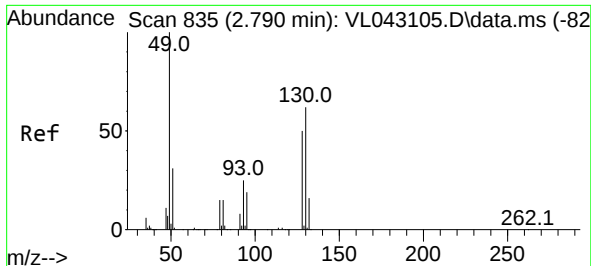
Quant Time: Oct 17 01:13:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Oct 15 02:12:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	158197	9.547	ppbv	94
47) 1,1,2-Trichloroethane	6.587	97	100302	9.336	ppbv	98
48) Dibromochloromethane	7.390	129	178353	9.928	ppbv	100
49) Bromoform	9.484	173	144246	9.879	ppbv	100
50) 4-Methyl-2-Pentanone	5.752	43	225487	8.412	ppbv	98
51) 2-Hexanone	7.435	43	171746	8.542	ppbv #	99
52) Tetrachloroethene	8.228	164	88288	8.996	ppbv	95
53) Toluene	6.936	91	294609	9.121	ppbv	98
54) 1,2-Dibromoethane	7.655	107	157255	9.345	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.927	131	161319	10.151	ppbv	98
57) Chlorobenzene	8.924	112	218635	9.270	ppbv	97
58) Ethyl Benzene	9.357	91	416736	9.632	ppbv	98
59) m/p-Xylene	9.535	91	323870	9.385	ppbv #	29
60) o-Xylene	9.966	91	332756	9.763	ppbv	98
61) Styrene	9.875	104	143481	9.325	ppbv	97
62) Isopropylbenzene	10.542	105	603364	9.797	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.963	83	207157	9.077	ppbv	100
64) n-propylbenzene	10.992	120	151633	9.299	ppbv	93
65) tert-Butylbenzene	11.532	119	497174	9.141	ppbv	93
66) Benzyl Chloride	11.617	91	50989	8.424	ppbv	98
67) sec-Butylbenzene	11.769	105	726431	9.411	ppbv	98
69) p-Isopropyltoluene	11.927	119	607694	9.265	ppbv	97
70) n-Butylbenzene	12.283	91	617901	9.560	ppbv	98
71) 2-Chlorotoluene	10.905	91	453663	9.658	ppbv	97
72) 4-Ethyltoluene	11.128	105	404726	9.657	ppbv	98
73) 1,3,5-Trimethylbenzene	11.206	105	340778	9.859	ppbv	91
74) 1,2,4-Trimethylbenzene	11.539	105	361647	9.350	ppbv	98
75) 1,3-Dichlorobenzene	11.610	146	208099	9.276	ppbv	98
76) 1,4-Dichlorobenzene	11.675	146	211340	9.343	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	195920	9.028	ppbv	97
78) Hexachloro-1,3-Butadiene	13.882	225	137516	8.184	ppbv	99
79) Naphthalene	13.513	128	354180	8.761	ppbv	98
80) Naphthalene,2-methyl-	14.458	142	106518	10.113	ppbv	96
81) 1,2,4-Trichlorobenzene	13.442	180	151426	9.024	ppbv	99

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

Quant Time: Oct 17 01:13:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
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QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

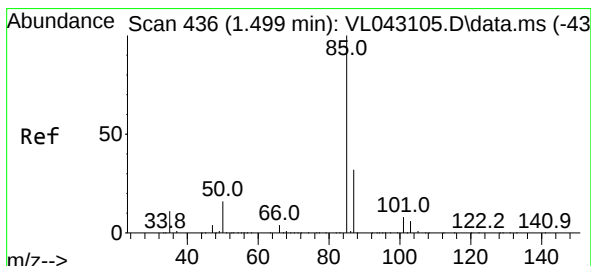
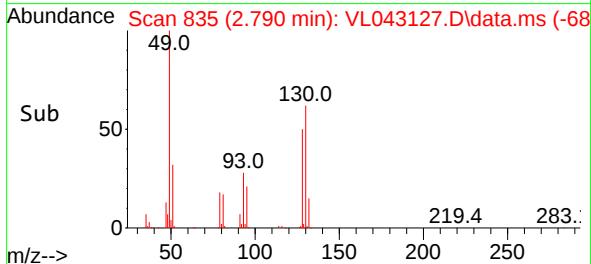
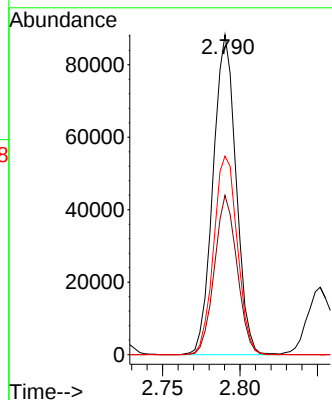
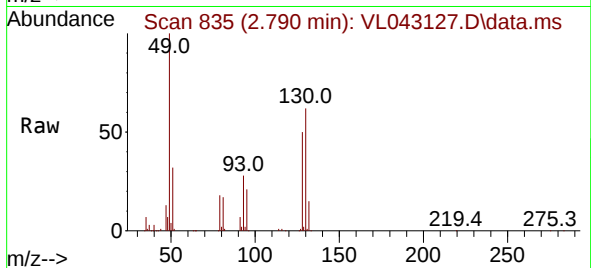




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

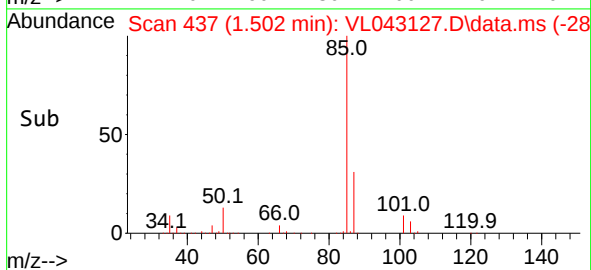
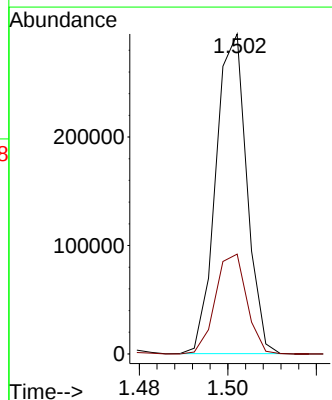
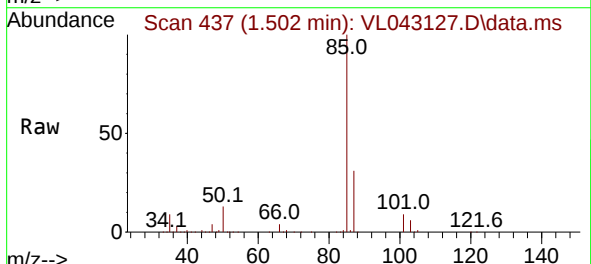
Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01

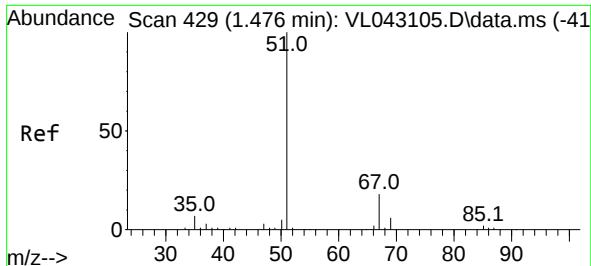
Tgt Ion: 49 Resp: 90912
Ion Ratio Lower Upper
49 100
128 49.0 24.4 73.4
130 63.9 31.0 93.0



#2
Dichlorodifluoromethane
Concen: 11.088 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

Tgt Ion: 85 Resp: 143313
Ion Ratio Lower Upper
85 100
87 31.2 25.3 37.9

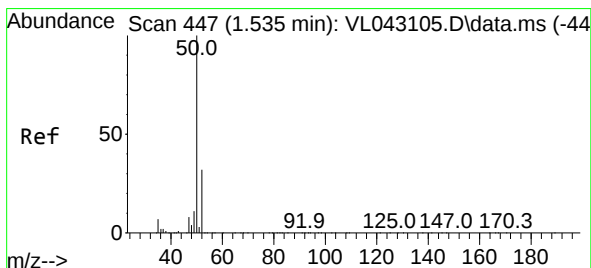
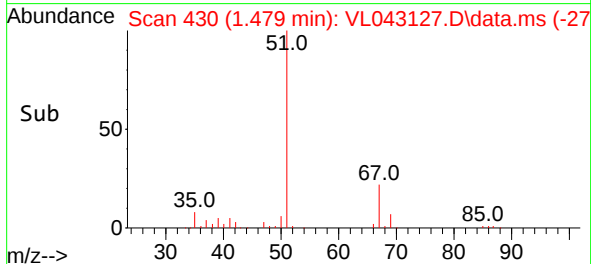
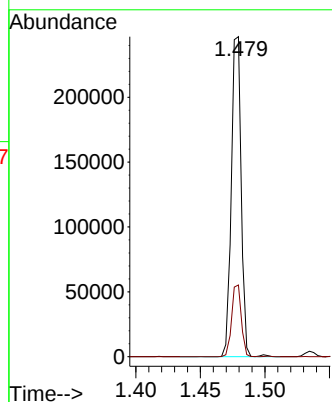
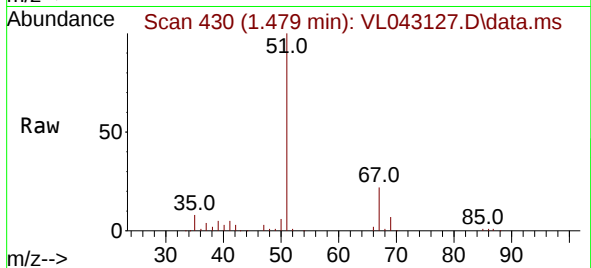




#3
Chlorodifluoromethane
Concen: 9.367 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

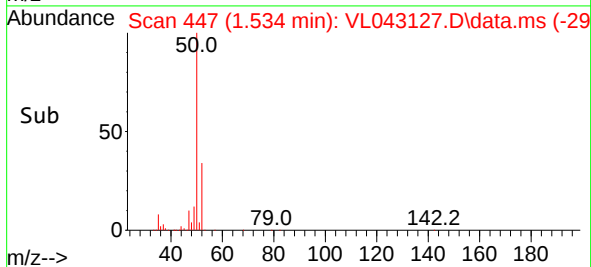
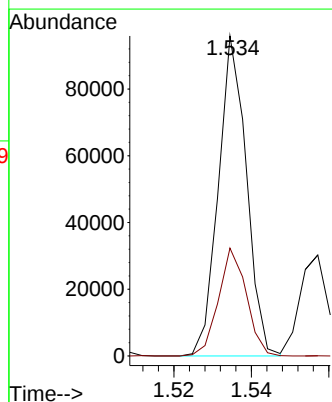
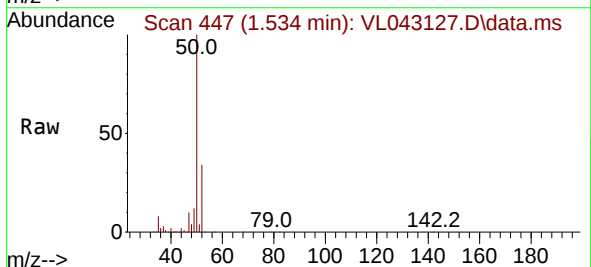
Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01

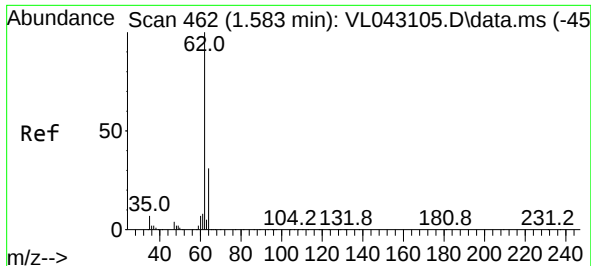
Tgt Ion: 51 Resp: 130988
Ion Ratio Lower Upper
51 100
67 22.0 15.1 22.7



#4
Chloromethane
Concen: 9.424 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

Tgt Ion: 50 Resp: 48252
Ion Ratio Lower Upper
50 100
52 33.7 25.2 37.8

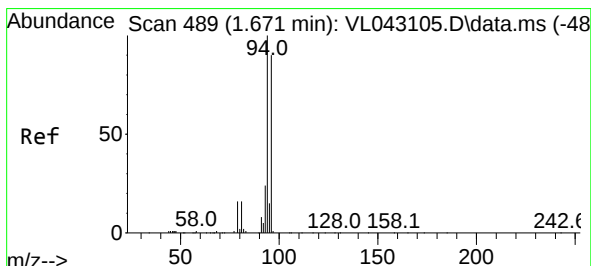
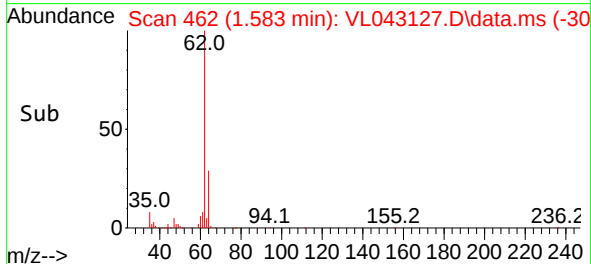
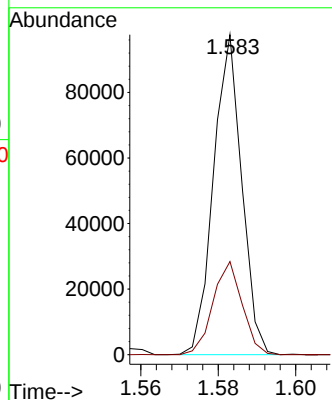
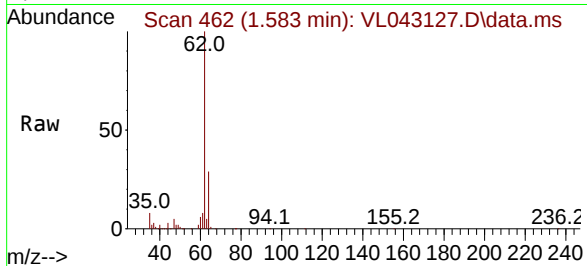




#5
 Vinyl Chloride
 Concen: 9.824 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. -0.000 min
 Lab File: VL043127.D
 Acq: 16 Oct 2025 11:18

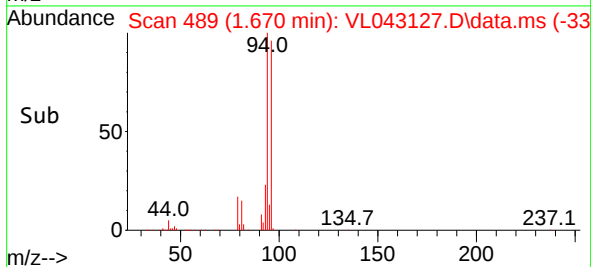
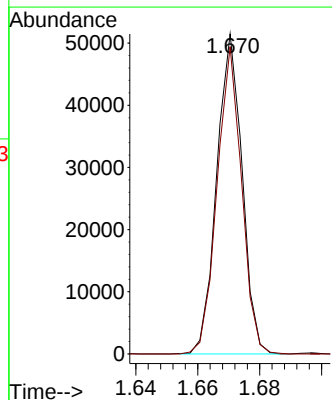
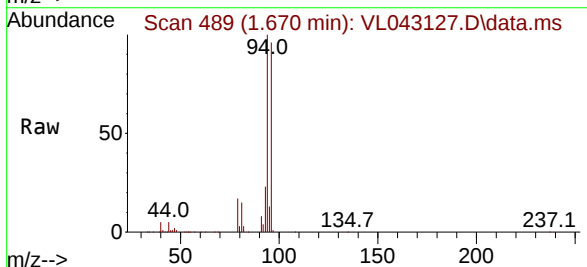
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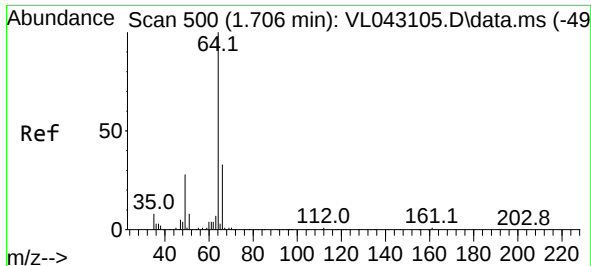
Tgt Ion: 62 Resp: 49337
 Ion Ratio Lower Upper
 62 100
 64 29.1 24.6 36.8



#6
 Bromomethane
 Concen: 10.606 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.000 min
 Lab File: VL043127.D
 Acq: 16 Oct 2025 11:18

Tgt Ion: 94 Resp: 29207
 Ion Ratio Lower Upper
 94 100
 96 96.0 72.2 108.4

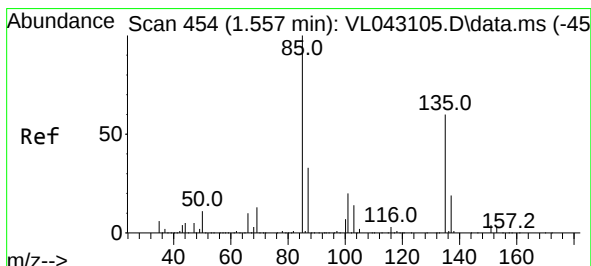
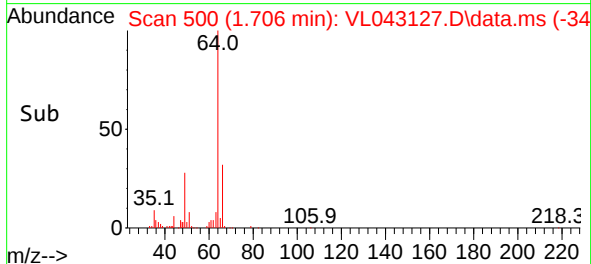
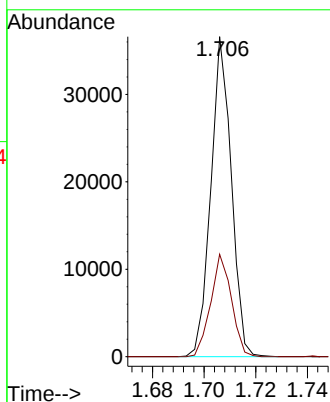
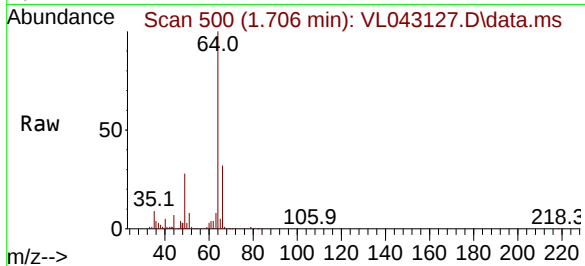




#7
Chloroethane
Concen: 9.794 ppbv
RT: 1.706 min Scan# 500
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

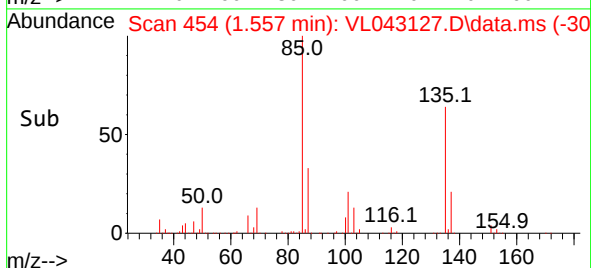
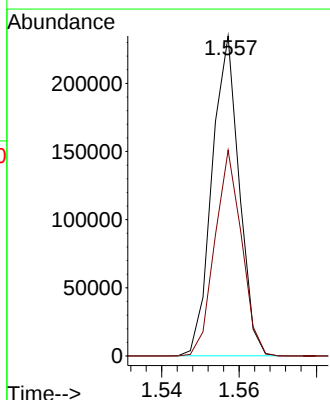
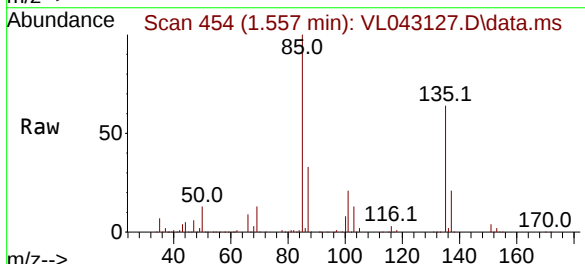
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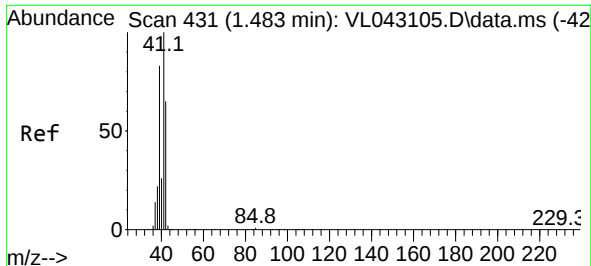
Tgt Ion: 64 Resp: 20109
Ion Ratio Lower Upper
64 100
66 32.0 26.0 39.0



#8
Dichlorotetrafluoroethane
Concen: 10.940 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

Tgt Ion: 85 Resp: 114282
Ion Ratio Lower Upper
85 100
135 63.6 48.2 72.4





#9

Propene

Concen: 7.688 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043127.D

Acq: 16 Oct 2025 11:18

Instrument :

MSVOA_L

ClientSampleId :

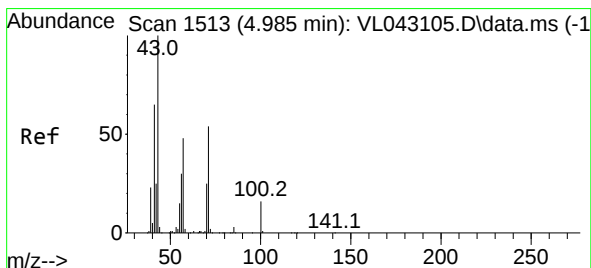
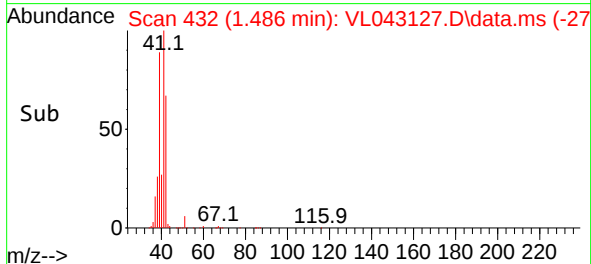
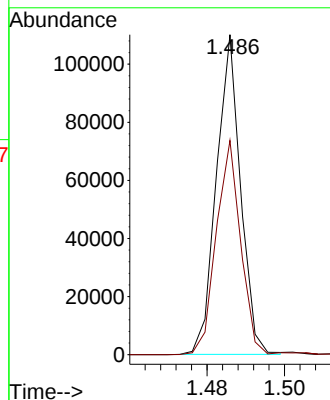
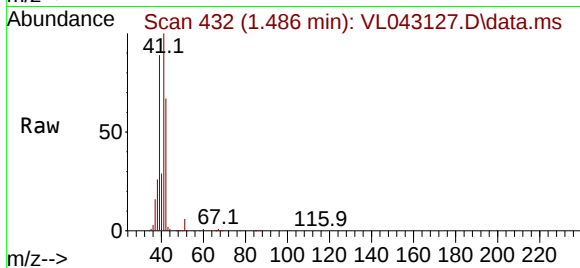
VL1016ABS01

Tgt Ion: 41 Resp: 47678

Ion Ratio Lower Upper

41 100

42 68.4 55.1 82.7



#10

Heptane

Concen: 7.946 ppbv

RT: 4.985 min Scan# 1513

Delta R.T. -0.000 min

Lab File: VL043127.D

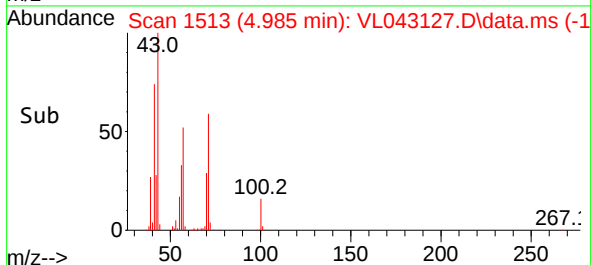
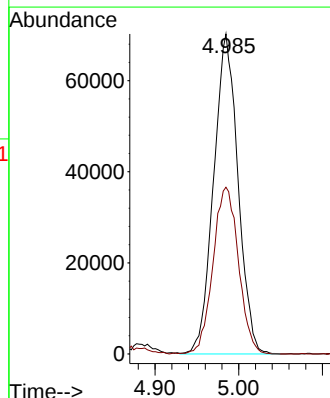
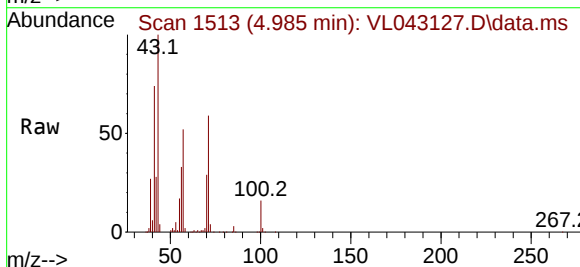
Acq: 16 Oct 2025 11:18

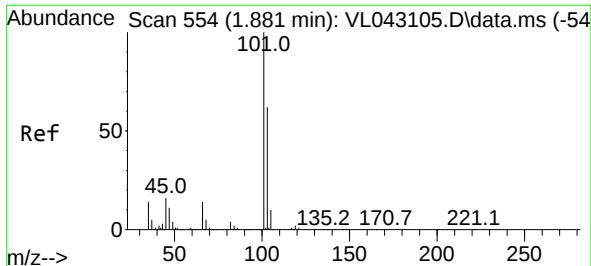
Tgt Ion: 43 Resp: 141869

Ion Ratio Lower Upper

43 100

57 54.6 40.8 61.2

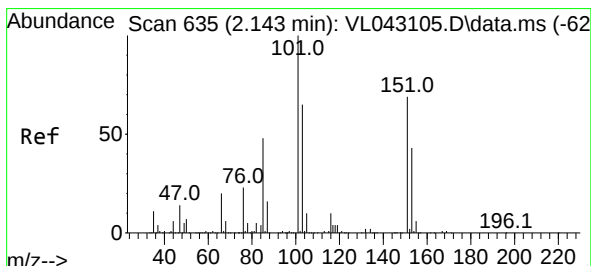
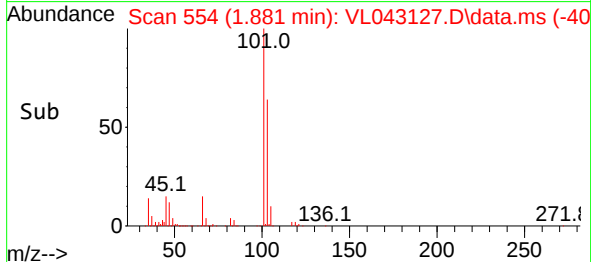
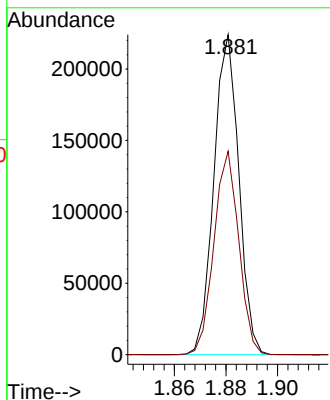
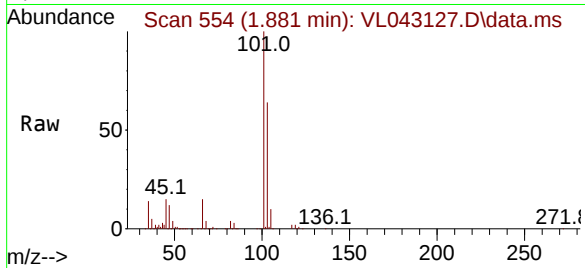




#11
 Trichlorofluoromethane
 Concen: 11.881 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VL043127.D
 Acq: 16 Oct 2025 11:18

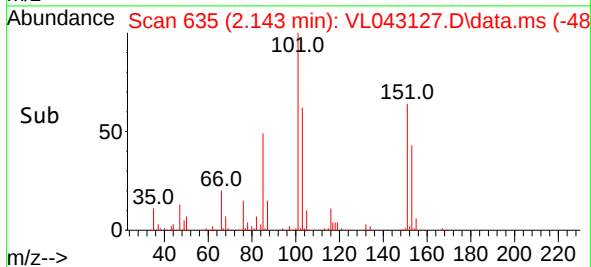
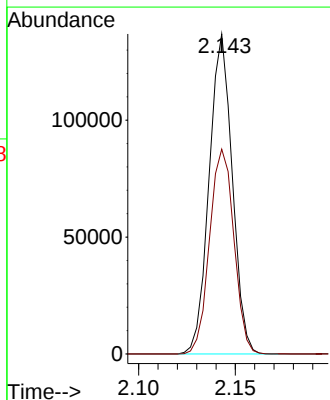
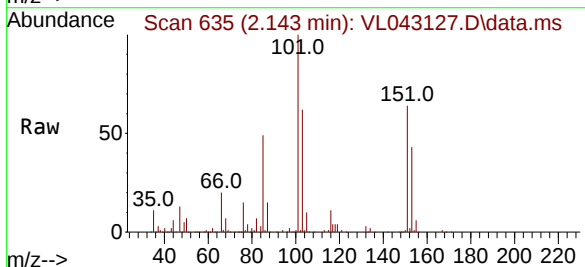
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1016ABS01

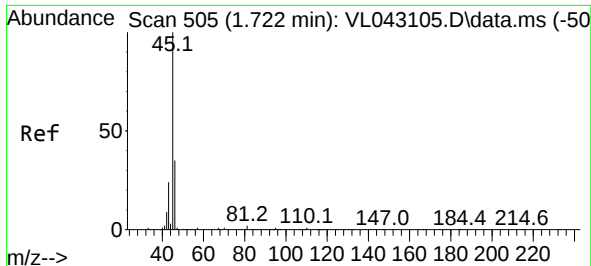
Tgt Ion:101 Resp: 150199
 Ion Ratio Lower Upper
 101 100
 103 63.6 49.3 73.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.151 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. -0.000 min
 Lab File: VL043127.D
 Acq: 16 Oct 2025 11:18

Tgt Ion:101 Resp: 113499
 Ion Ratio Lower Upper
 101 100
 151 67.3 54.7 82.1

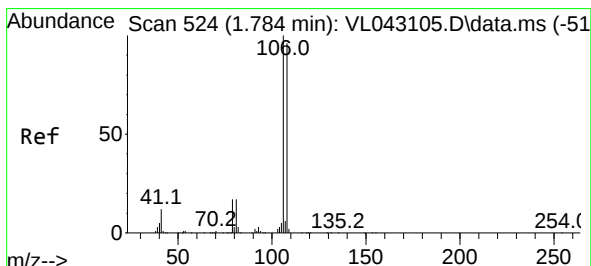
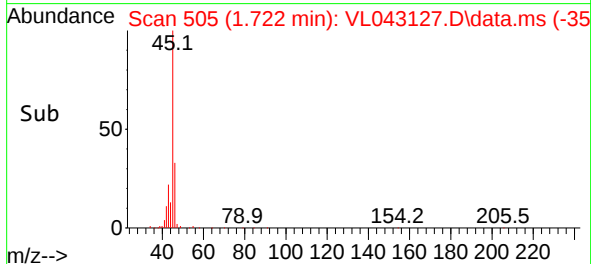
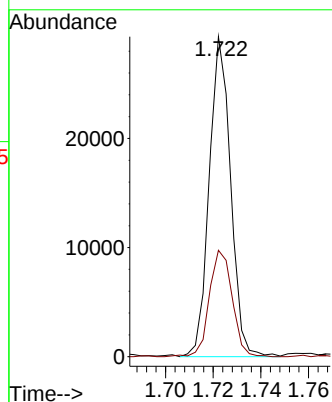
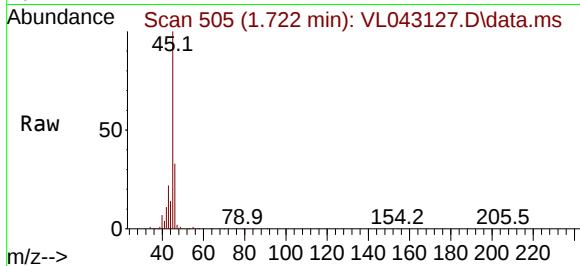




#13
Ethanol
Concen: 7.996 ppbv
RT: 1.722 min Scan# 505
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

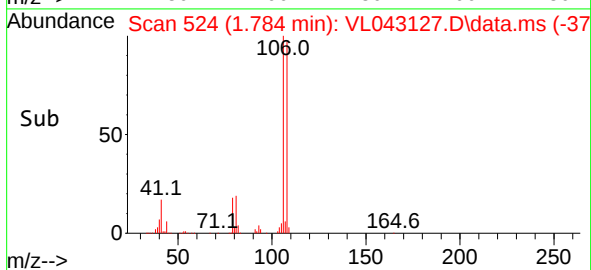
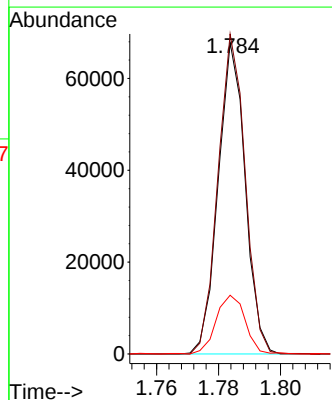
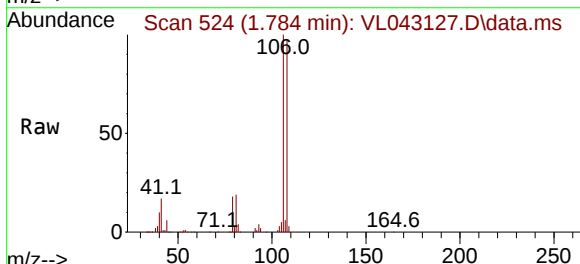
Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01

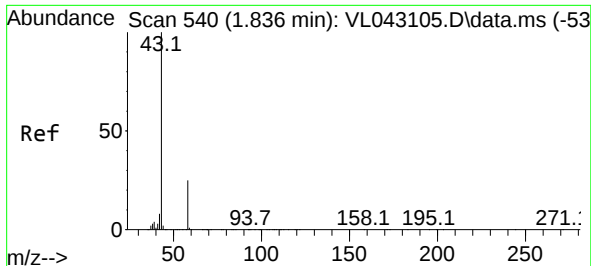
Tgt Ion: 45 Resp: 18344
Ion Ratio Lower Upper
45 100
46 35.5 14.7 58.9



#14
Bromoethene
Concen: 10.840 ppbv
RT: 1.784 min Scan# 524
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

Tgt Ion: 108 Resp: 40985
Ion Ratio Lower Upper
108 100
106 103.6 84.4 126.6
79 20.4 15.3 22.9

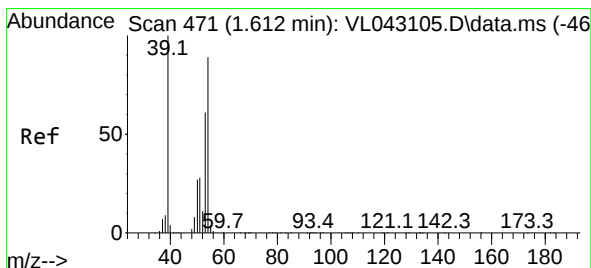
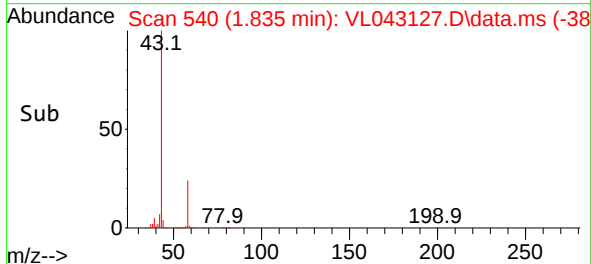
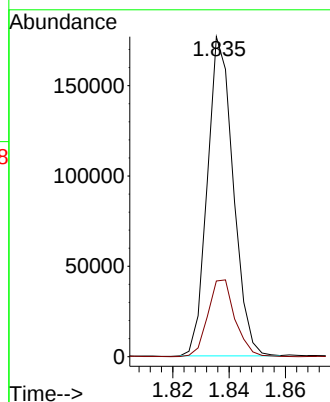
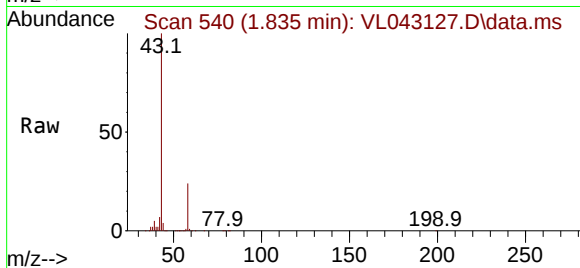




#15
Acetone
Concen: 9.192 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

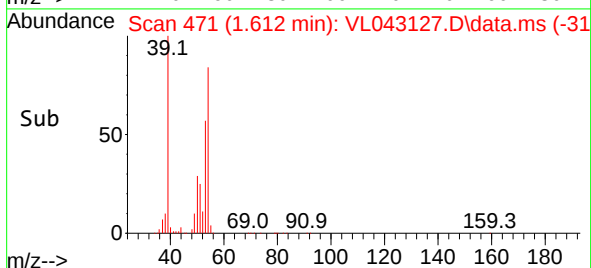
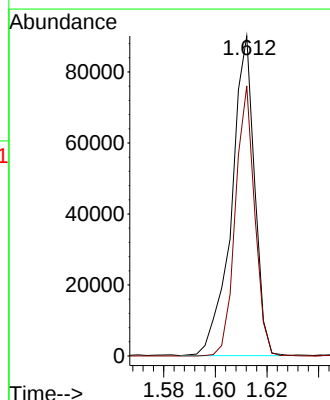
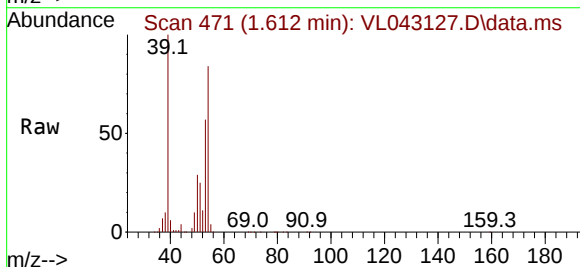
Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01

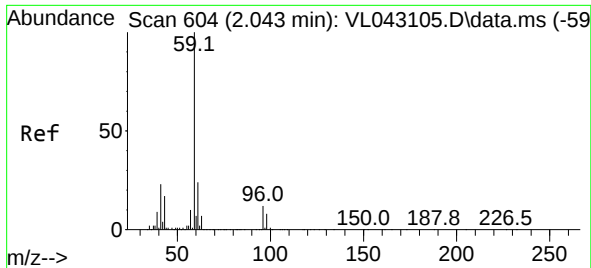
Tgt Ion: 43 Resp: 112632
Ion Ratio Lower Upper
43 100
58 25.6 20.8 31.2



#16
1,3-Butadiene
Concen: 9.579 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

Tgt Ion: 39 Resp: 55938
Ion Ratio Lower Upper
39 100
54 70.8 59.0 88.4

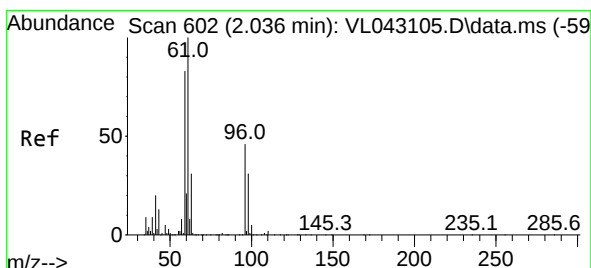
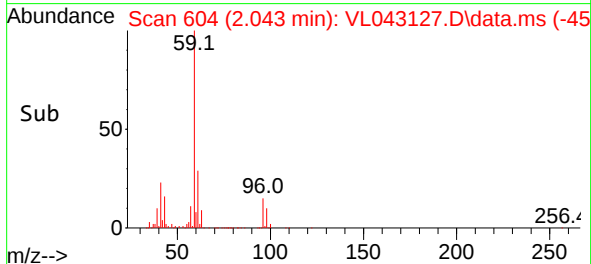
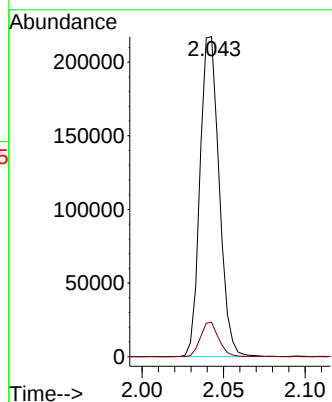
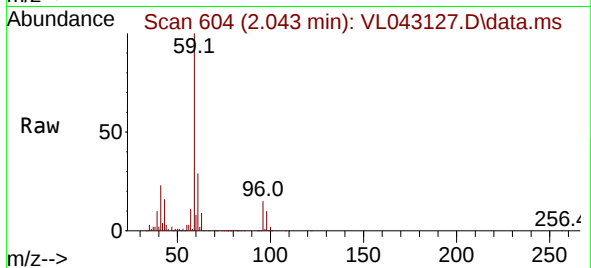




#17
 tert-Butyl alcohol
 Concen: 10.532 ppbv
 RT: 2.043 min Scan# 604
 Delta R.T. -0.000 min
 Lab File: VL043127.D
 Acq: 16 Oct 2025 11:18

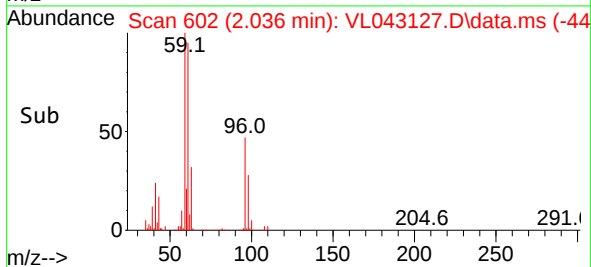
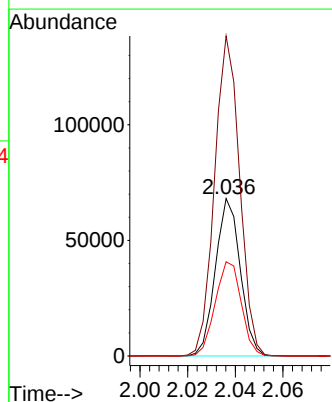
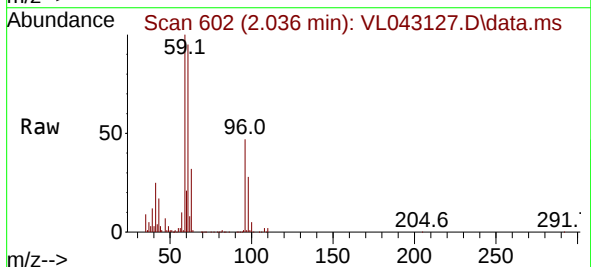
Instrument :
 MSVOA_1
 ClientSampleId :
 VL1016ABS01

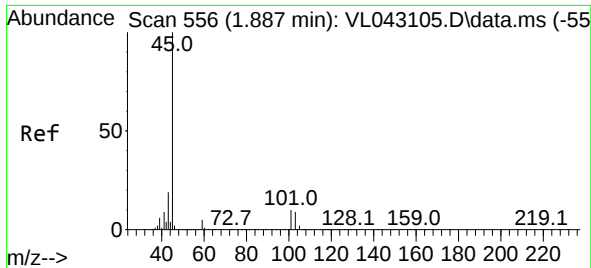
Tgt Ion: 59 Resp: 177150
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.2 12.4



#18
 1,1-Dichloroethene
 Concen: 11.138 ppbv
 RT: 2.036 min Scan# 602
 Delta R.T. -0.000 min
 Lab File: VL043127.D
 Acq: 16 Oct 2025 11:18

Tgt Ion: 96 Resp: 49422
 Ion Ratio Lower Upper
 96 100
 61 203.2 173.4 260.0
 98 59.9 53.2 79.8

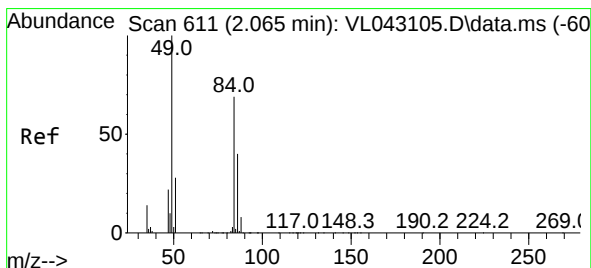
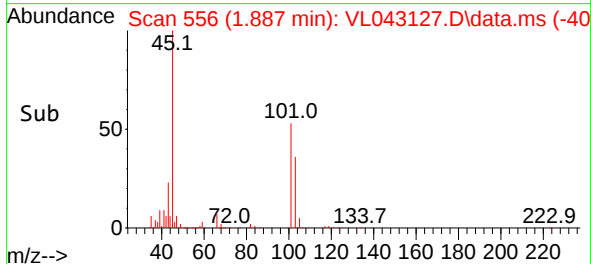
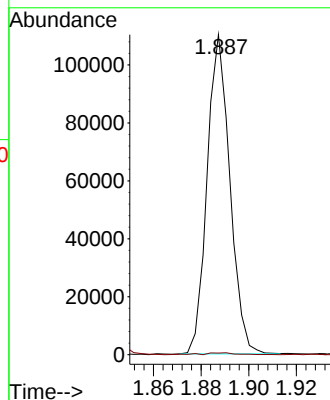
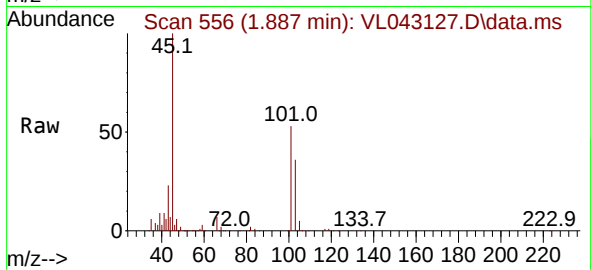




#19
Isopropyl Alcohol
Concen: 9.589 ppbv
RT: 1.887 min Scan# 556
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

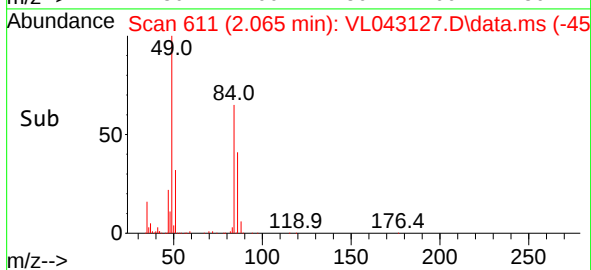
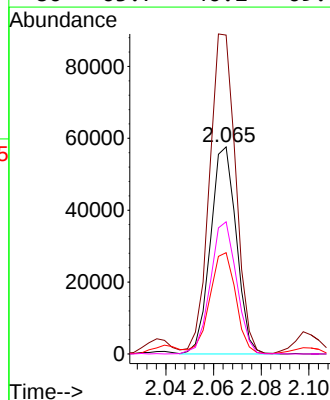
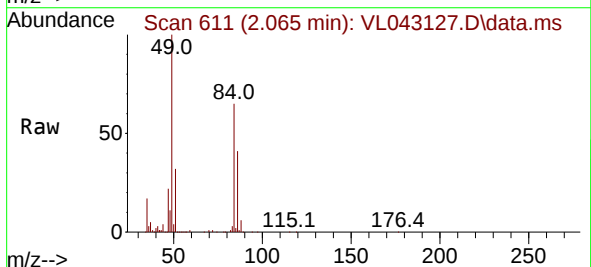
Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01

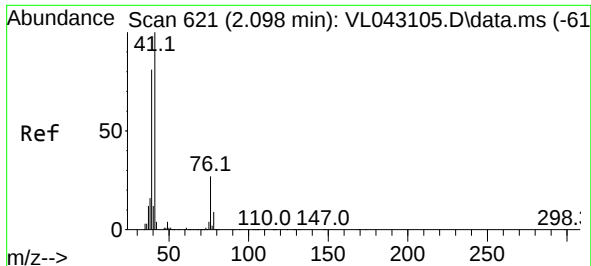
Tgt Ion: 45 Resp: 73183
Ion Ratio Lower Upper
45 100
58 39.2 31.3 46.9



#20
Methylene Chloride
Concen: 8.969 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

Tgt Ion: 84 Resp: 43443
Ion Ratio Lower Upper
84 100
49 152.6 116.6 175.0
51 48.3 34.8 52.2
86 63.7 46.2 69.4

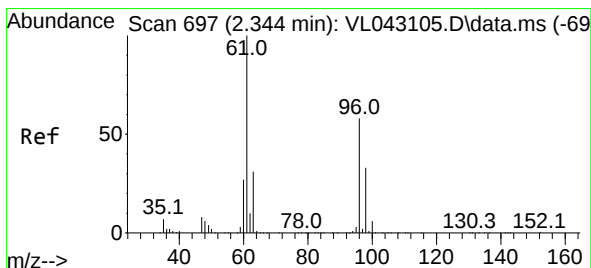
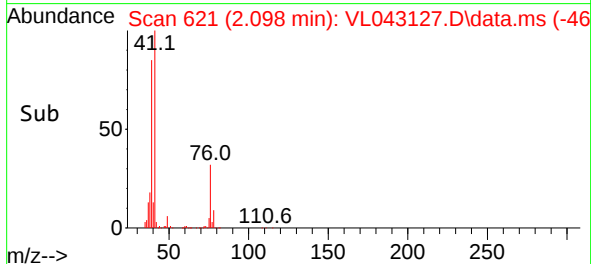
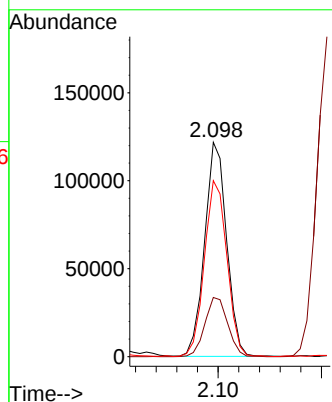
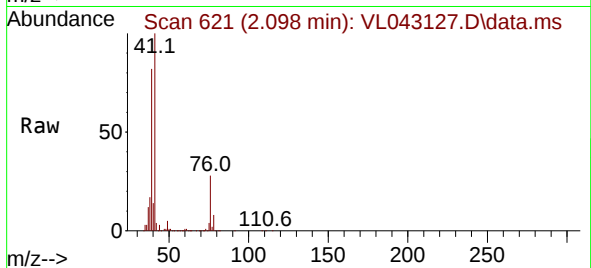




#21
 Allyl Chloride
 Concen: 9.939 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL043127.D
 Acq: 16 Oct 2025 11:18

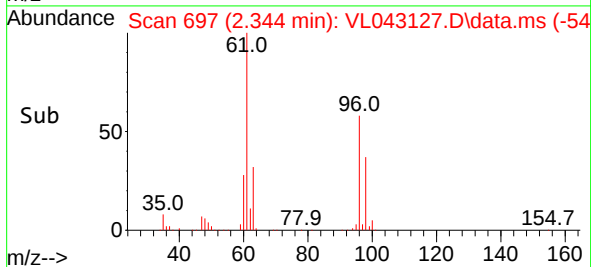
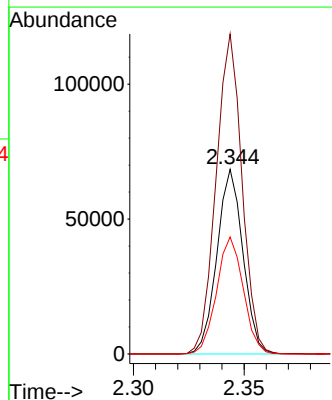
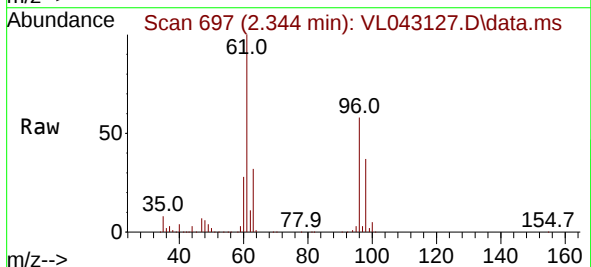
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1016ABS01

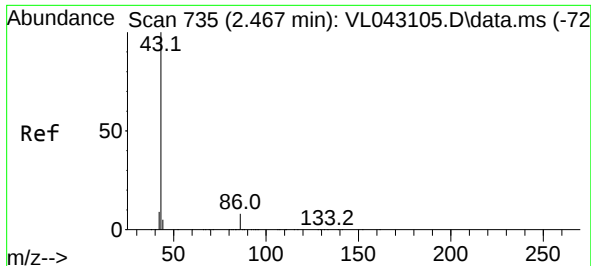
Tgt Ion:	41	Resp:	89747
Ion	Ratio	Lower	Upper
41	100		
76	28.8	21.5	32.3
39	84.3	60.8	91.2



#22
 trans-1,2-Dichloroethene
 Concen: 10.552 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. -0.000 min
 Lab File: VL043127.D
 Acq: 16 Oct 2025 11:18

Tgt Ion:	96	Resp:	55968
Ion	Ratio	Lower	Upper
96	100		
61	173.3	137.0	205.6
98	63.3	45.5	68.3

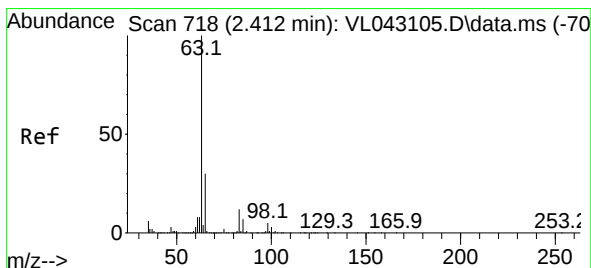
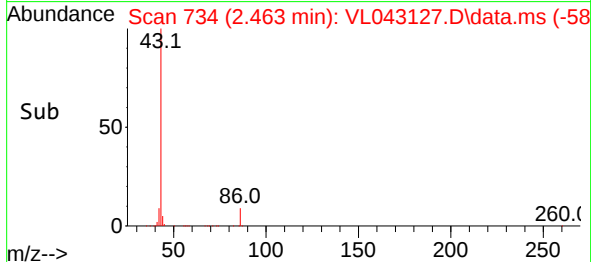
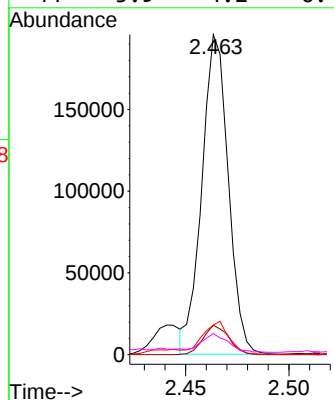
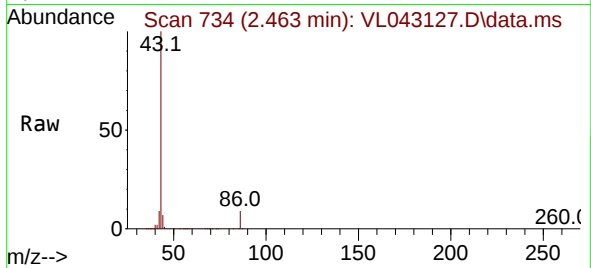




#23
 Vinyl Acetate
 Concen: 9.699 ppbv
 RT: 2.463 min Scan# 718
 Delta R.T. -0.003 min
 Lab File: VL043127.D
 Acq: 16 Oct 2025 11:18

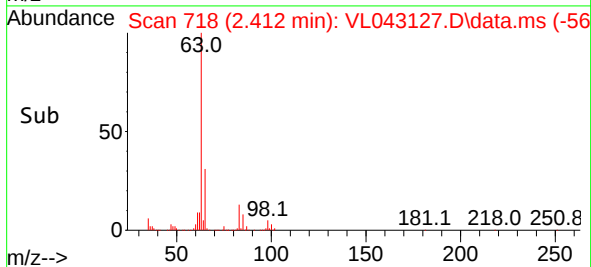
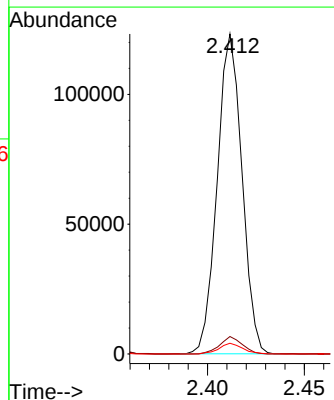
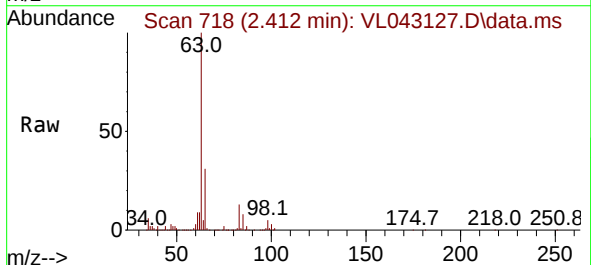
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1016ABS01

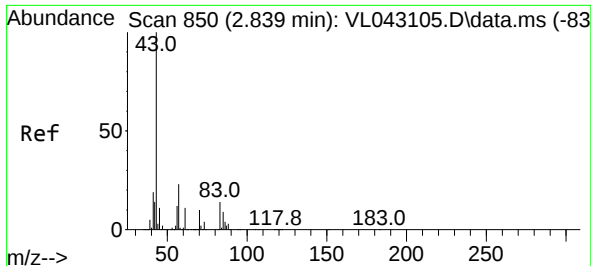
Tgt Ion:	43	Resp:	174101
Ion	Ratio	Lower	Upper
43	100		
86	9.2	6.2	9.2
42	9.2	7.6	11.4
44	5.9	4.2	6.4



#24
 1,1-Dichloroethane
 Concen: 10.686 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. -0.000 min
 Lab File: VL043127.D
 Acq: 16 Oct 2025 11:18

Tgt Ion:	63	Resp:	109513
Ion	Ratio	Lower	Upper
63	100		
98	5.4	2.6	7.8
100	3.4	1.5	4.4

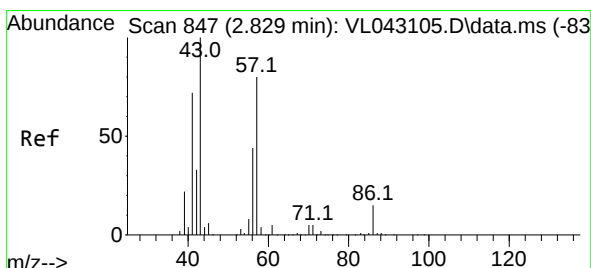
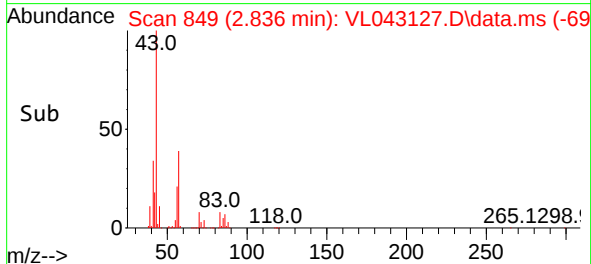
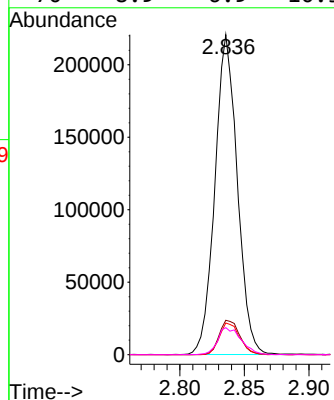
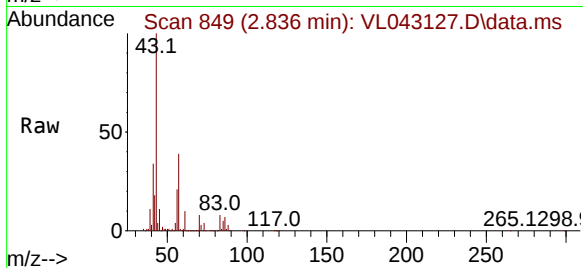




#25
Ethyl Acetate
Concen: 8.749 ppbv
RT: 2.836 min Scan# 849
Delta R.T. -0.003 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

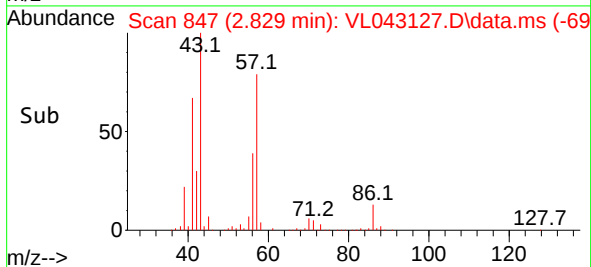
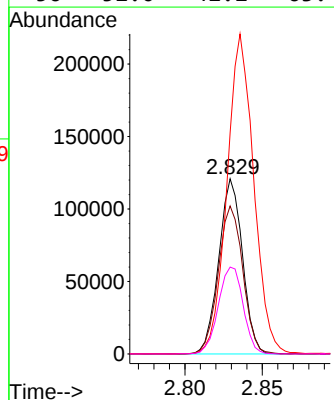
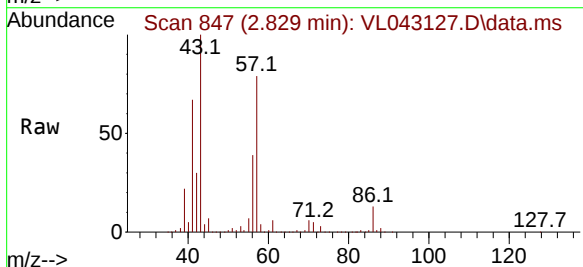
Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01

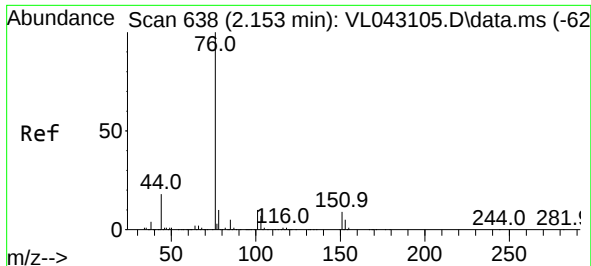
Tgt Ion:	43	Resp:	265844
Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.8	11.8
61	9.2	7.0	10.6
70	8.9	6.9	10.3



#26
Hexane
Concen: 9.182 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

Tgt Ion:	57	Resp:	128562
Ion	Ratio	Lower	Upper
57	100		
41	87.8	71.4	107.0
43	207.3	178.5	267.7
56	52.0	42.2	63.4

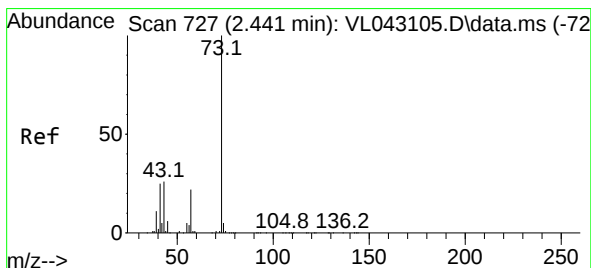
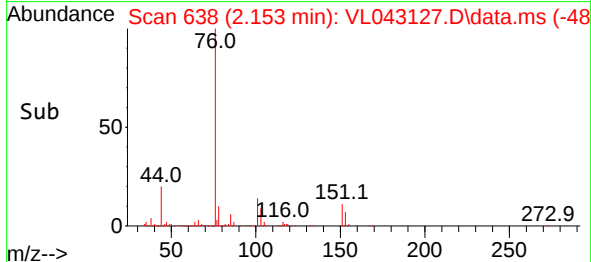
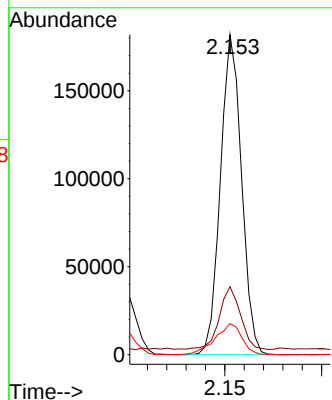
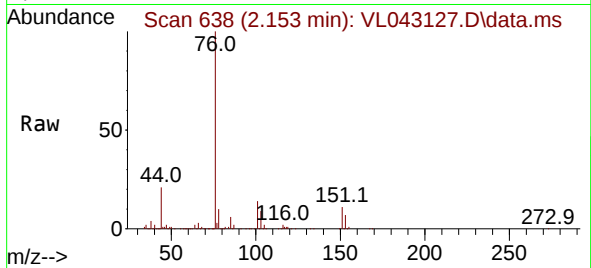




#27
Carbon Disulfide
Concen: 10.715 ppbv
RT: 2.153 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

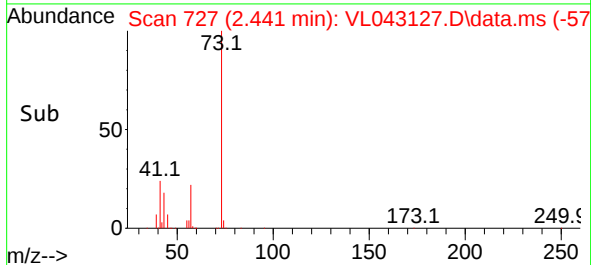
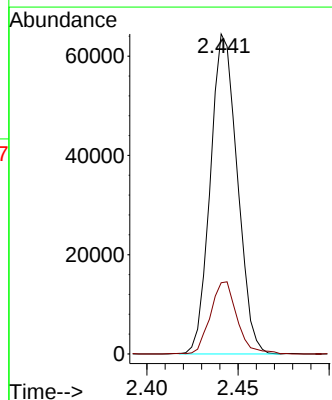
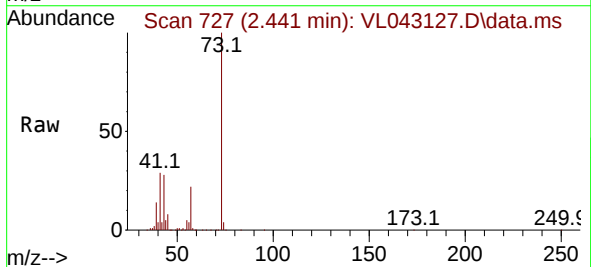
Instrument :
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ClientSampleId :
VL1016ABS01

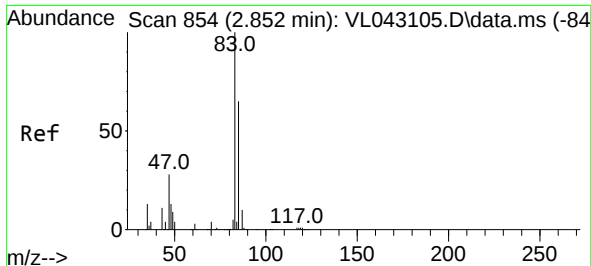
Tgt Ion: 76 Resp: 137461
Ion Ratio Lower Upper
76 100
44 20.7 16.7 25.1
78 12.3 9.3 13.9



#28
Methyl tert-Butyl Ether
Concen: 10.430 ppbv
RT: 2.441 min Scan# 727
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

Tgt Ion: 73 Resp: 66437
Ion Ratio Lower Upper
73 100
57 22.3 20.5 30.7





#29

Chloroform

Concen: 10.444 ppbv

RT: 2.852 min Scan# 81

Delta R.T. -0.000 min

Lab File: VL043127.D

Acq: 16 Oct 2025 11:18

Instrument :

MSVOA_L

ClientSampleId :

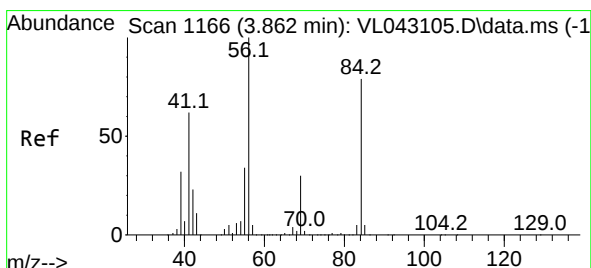
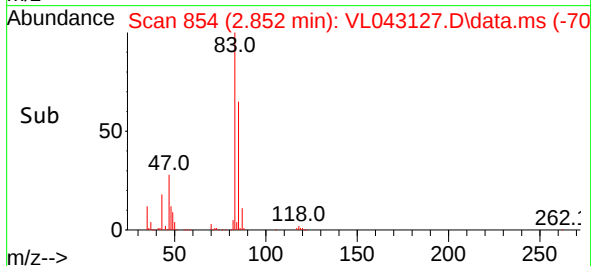
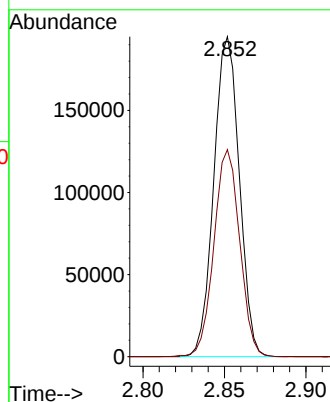
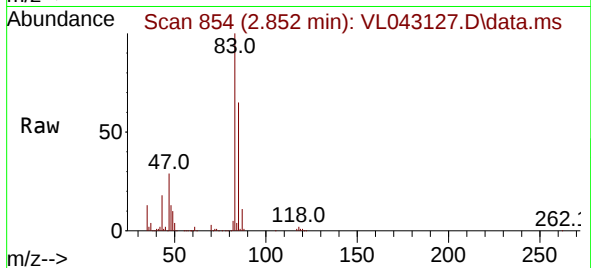
VL1016ABS01

Tgt Ion: 83 Resp: 211887

Ion Ratio Lower Upper

83 100

85 64.7 51.8 77.6



#30

Cyclohexane

Concen: 8.844 ppbv

RT: 3.858 min Scan# 1165

Delta R.T. -0.003 min

Lab File: VL043127.D

Acq: 16 Oct 2025 11:18

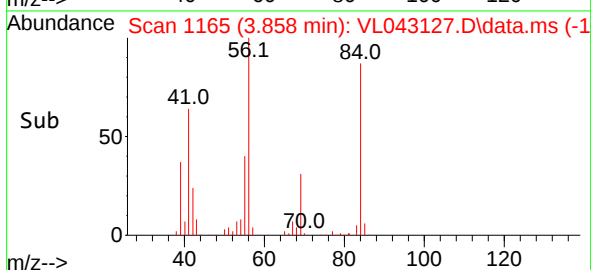
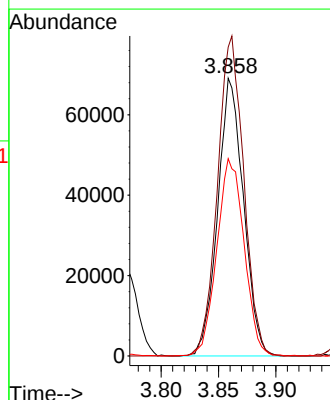
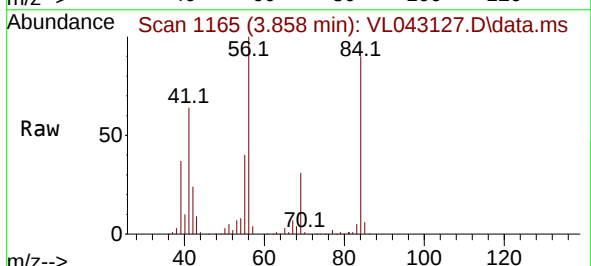
Tgt Ion: 84 Resp: 108080

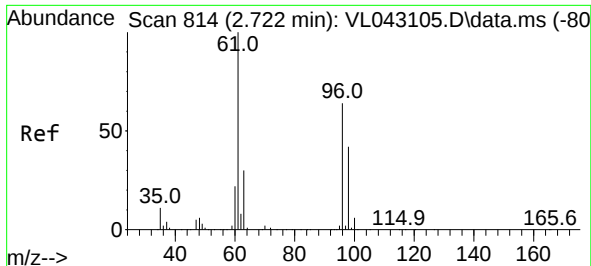
Ion Ratio Lower Upper

84 100

56 117.1 100.9 151.3

41 75.2 63.8 95.6

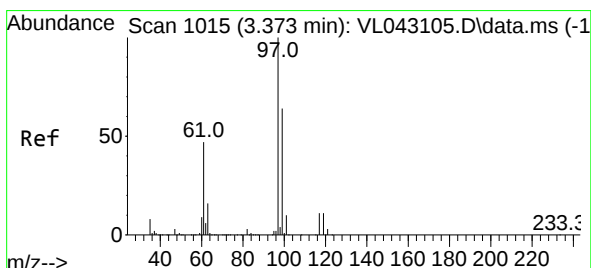
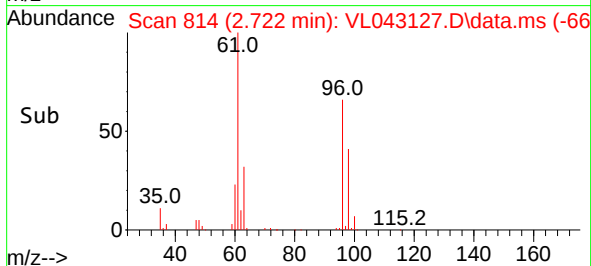
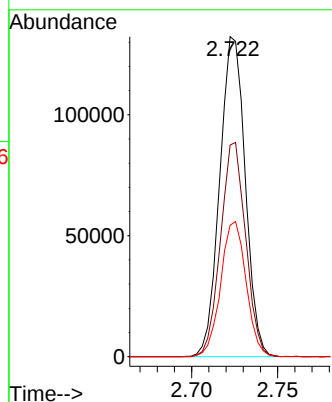
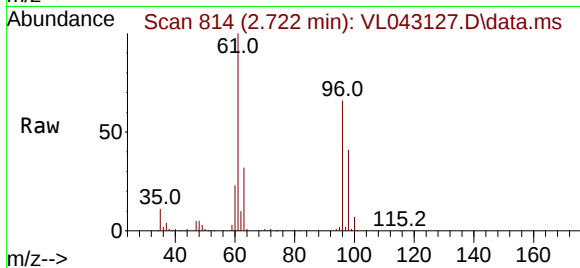




#31
 cis-1,2-Dichloroethene
 Concen: 10.215 ppbv
 RT: 2.722 min Scan# 814
 Delta R.T. -0.000 min
 Lab File: VL043127.D
 Acq: 16 Oct 2025 11:18

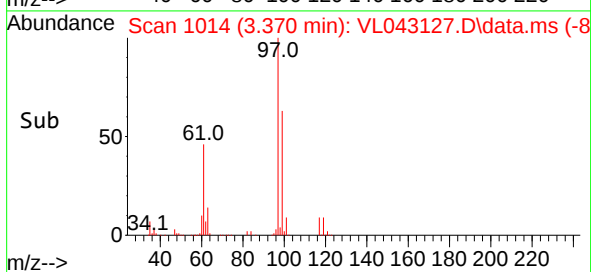
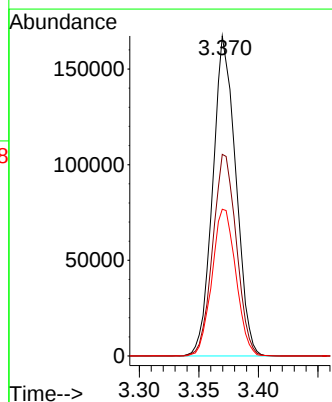
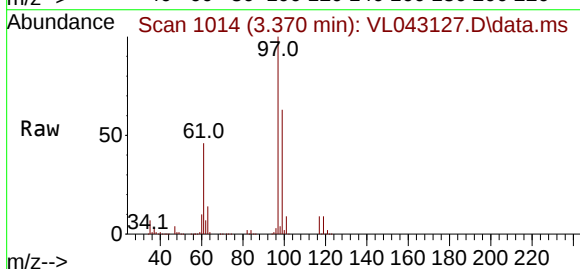
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1016ABS01

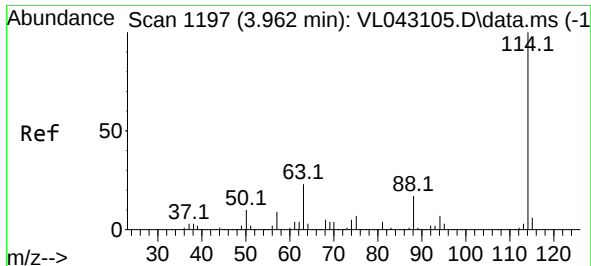
Tgt Ion: 61 Resp: 136578
 Ion Ratio Lower Upper
 61 100
 96 66.2 51.0 76.6
 98 41.0 33.5 50.3



#32
 1,1,1-Trichloroethane
 Concen: 10.669 ppbv
 RT: 3.370 min Scan# 1014
 Delta R.T. -0.003 min
 Lab File: VL043127.D
 Acq: 16 Oct 2025 11:18

Tgt Ion: 97 Resp: 225410
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.3 76.9
 61 47.4 38.4 57.6

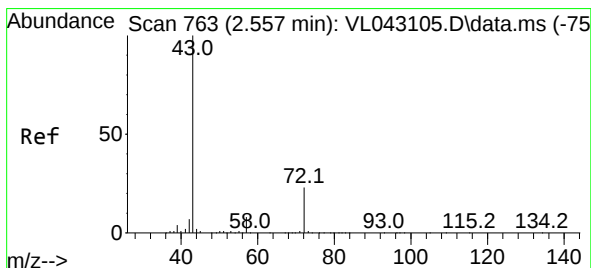
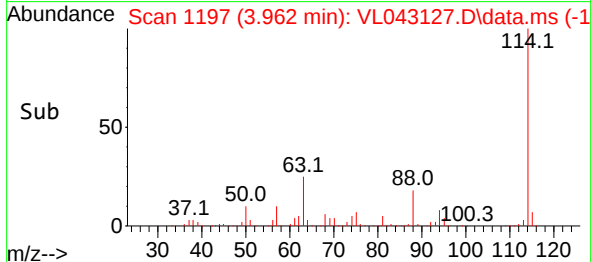
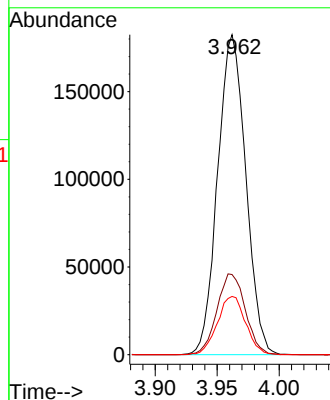
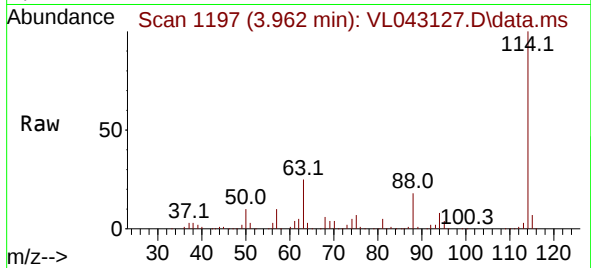




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

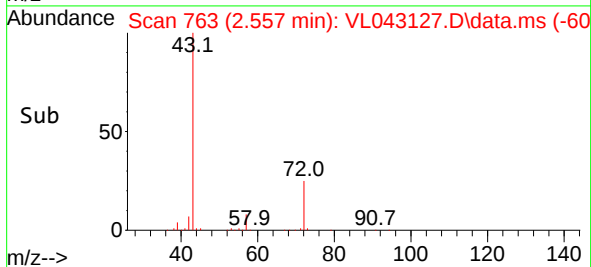
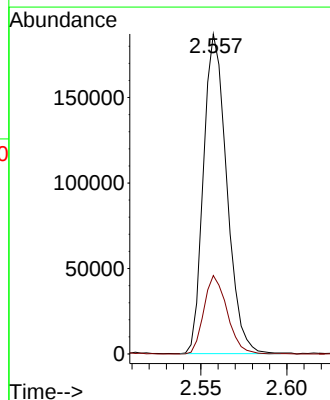
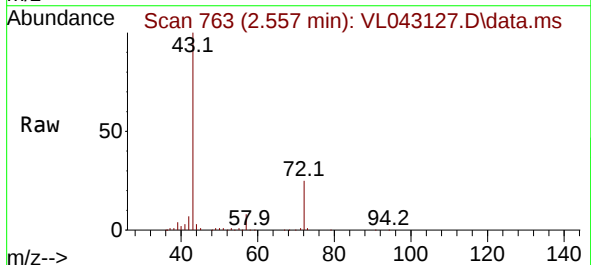
Instrument :
MSVOA_1
ClientSampleId :
VL1016ABS01

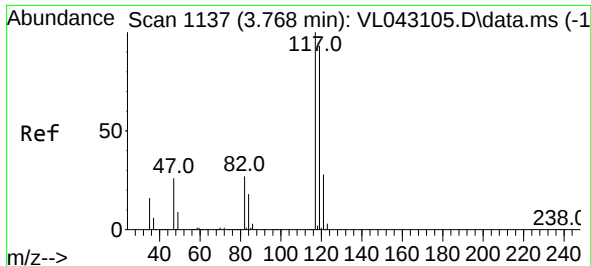
Tgt Ion:114 Resp: 288948
Ion Ratio Lower Upper
114 100
63 25.5 19.3 28.9
88 18.3 13.9 20.9



#34
2-Butanone
Concen: 9.052 ppbv
RT: 2.557 min Scan# 763
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

Tgt Ion: 43 Resp: 175824
Ion Ratio Lower Upper
43 100
72 24.5 18.4 27.6

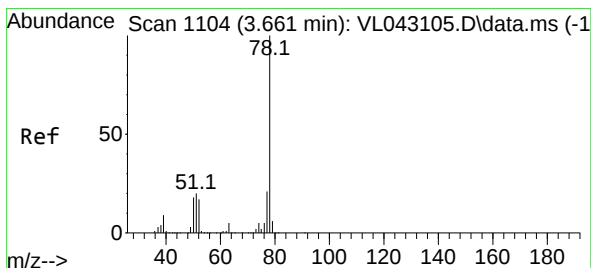
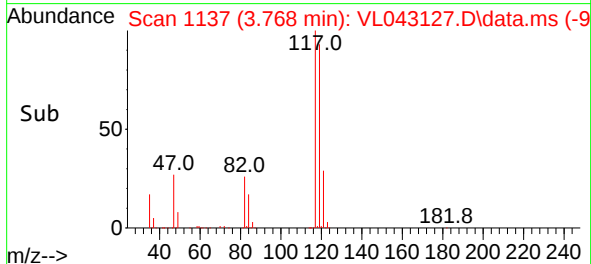
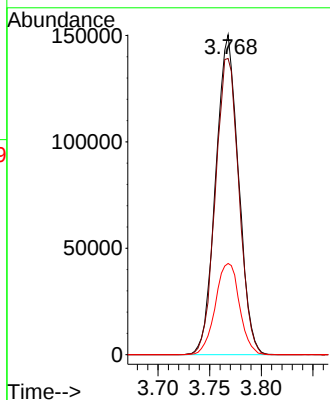
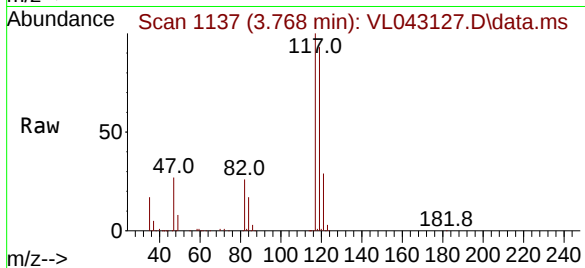




#35
Carbon Tetrachloride
Concen: 11.136 ppbv
RT: 3.768 min Scan# 1137
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

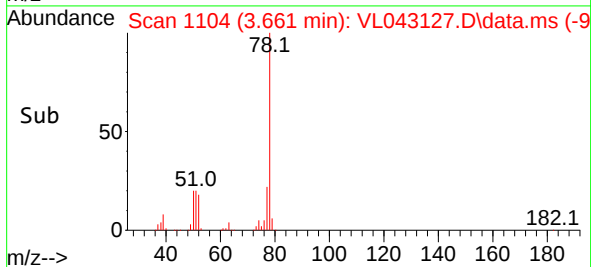
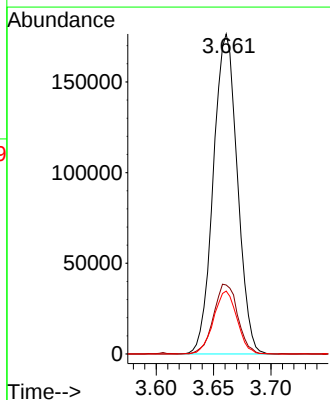
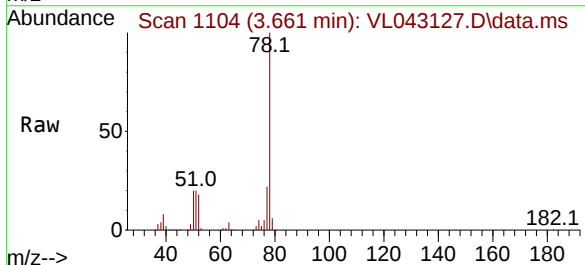
Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01

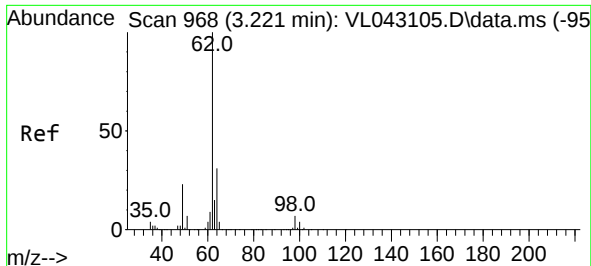
Tgt Ion:117 Resp: 231342
Ion Ratio Lower Upper
117 100
119 92.6 74.1 111.1
121 28.5 22.2 33.2



#36
Benzene
Concen: 9.451 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

Tgt Ion: 78 Resp: 257206
Ion Ratio Lower Upper
78 100
77 21.6 17.0 25.6
50 19.7 14.6 22.0

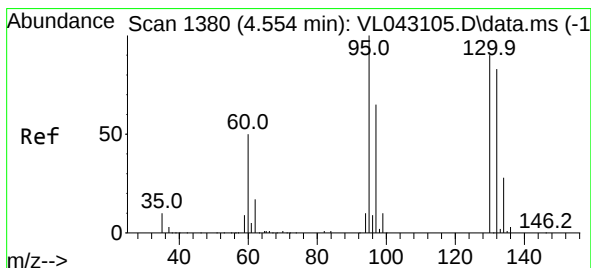
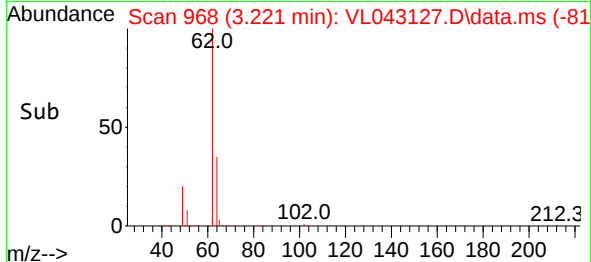
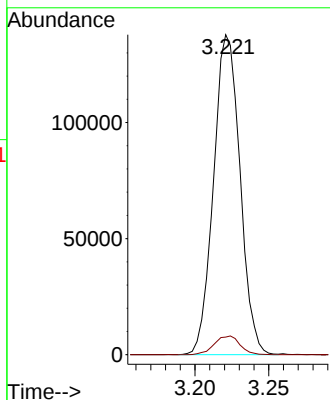
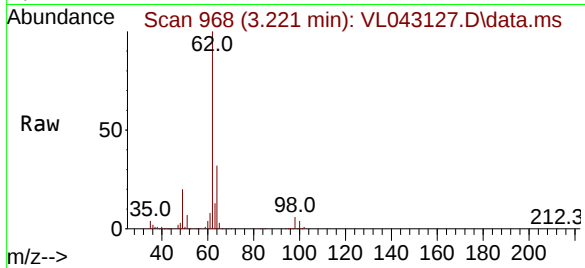




#37
1,2-Dichloroethane
Concen: 10.977 ppbv
RT: 3.221 min Scan# 91
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

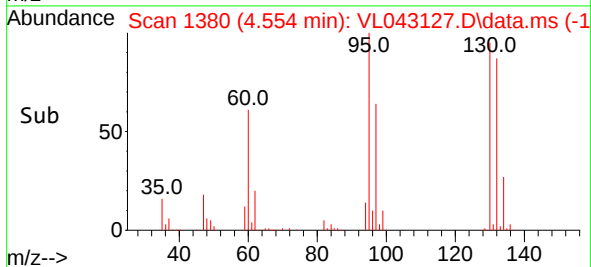
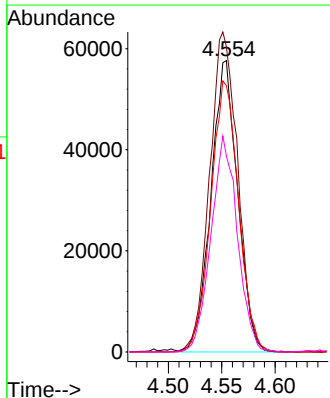
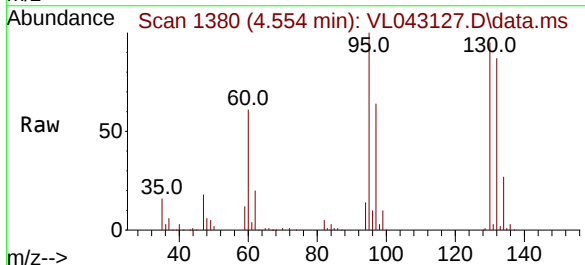
Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01

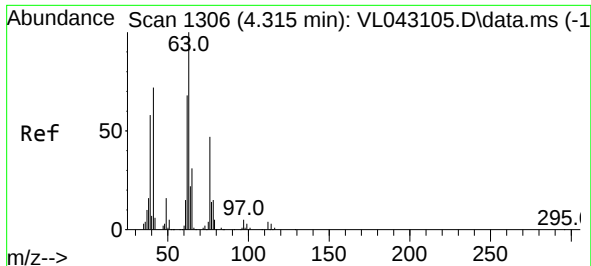
Tgt Ion: 62 Resp: 172087
Ion Ratio Lower Upper
62 100
98 5.7 5.8 8.6#



#38
Trichloroethene
Concen: 8.818 ppbv
RT: 4.554 min Scan# 1380
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

Tgt Ion:130 Resp: 100221
Ion Ratio Lower Upper
130 100
95 104.7 88.6 133.0
132 91.4 73.4 110.0
97 67.2 57.8 86.6





#39

1,2-Dichloropropane

Concen: 9.143 ppbv

RT: 4.318 min Scan# 1306

Delta R.T. 0.003 min

Lab File: VL043127.D

Acq: 16 Oct 2025 11:18

Instrument :

MSVOA_L

ClientSampleId :

VL1016ABS01

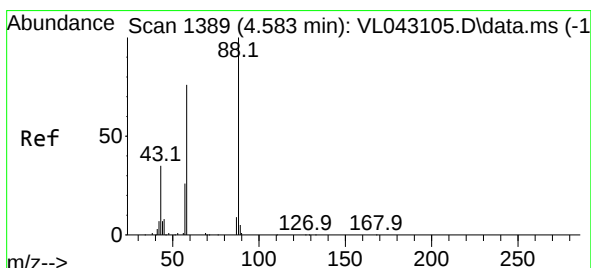
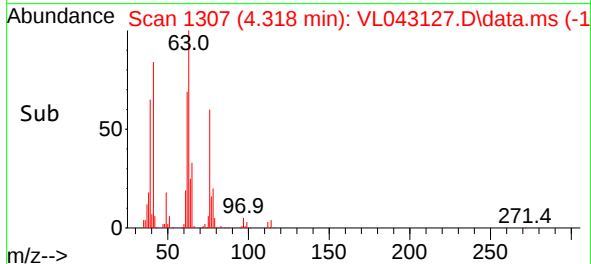
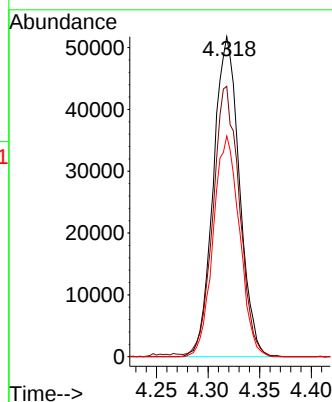
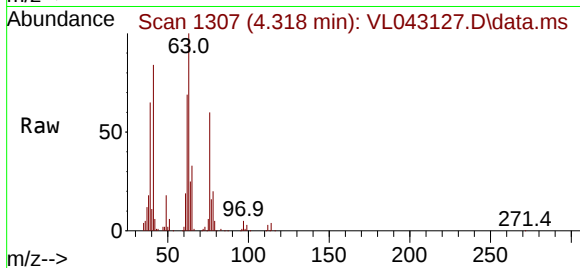
Tgt Ion: 63 Resp: 90964

Ion Ratio Lower Upper

63 100

41 84.3 58.0 87.0

62 69.0 54.7 82.1



#40

1,4-Dioxane

Concen: 8.843 ppbv

RT: 4.583 min Scan# 1389

Delta R.T. -0.000 min

Lab File: VL043127.D

Acq: 16 Oct 2025 11:18

Tgt Ion: 88 Resp: 39371

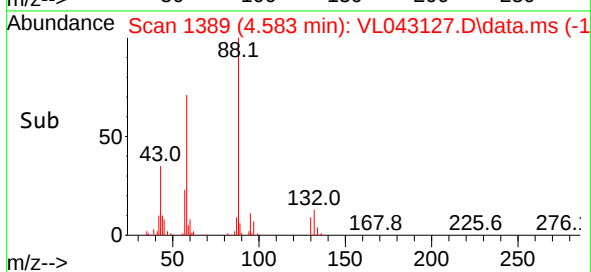
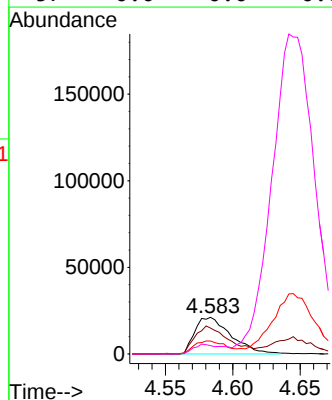
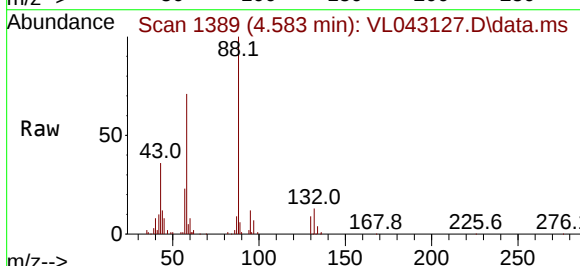
Ion Ratio Lower Upper

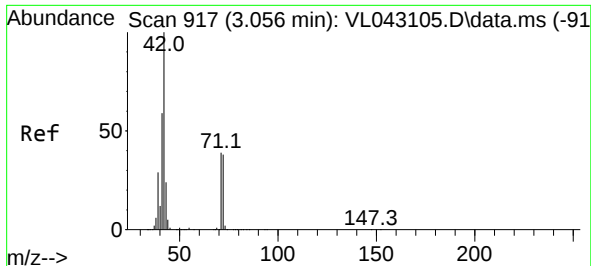
88 100

58 73.2 61.1 91.7

43 35.5 24.0 36.0

57 0.0 0.0 0.0

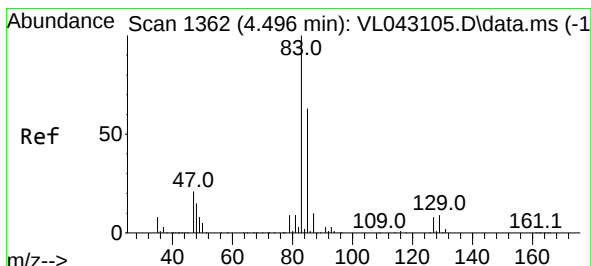
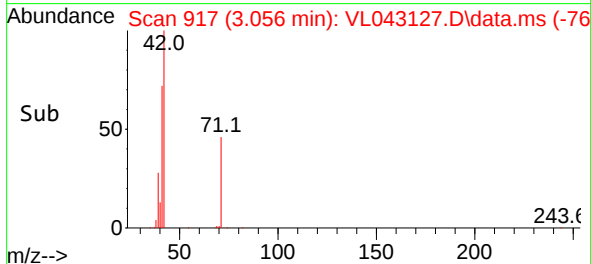
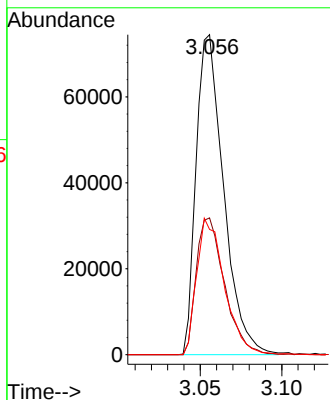
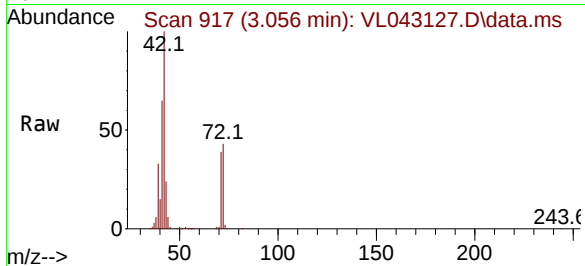




#41
Tetrahydrofuran
Concen: 8.046 ppbv
RT: 3.056 min Scan# 917
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

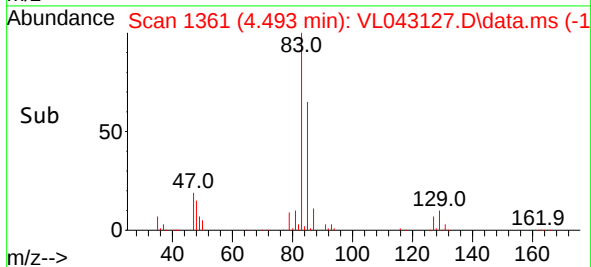
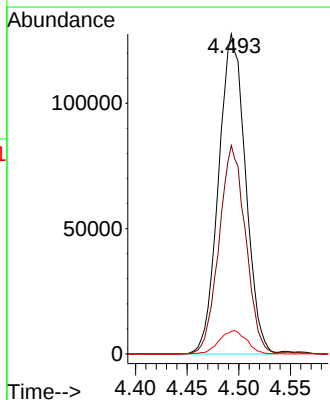
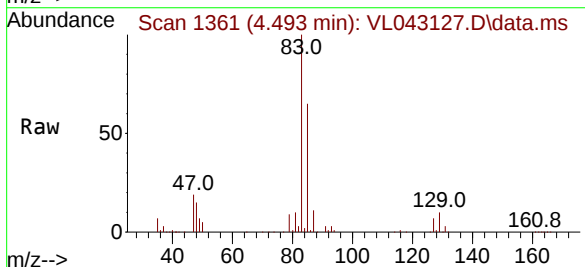
Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01

Tgt Ion: 42 Resp: 87412
Ion Ratio Lower Upper
42 100
72 44.0 31.3 46.9
71 43.0 30.4 45.6



#42
Bromodichloromethane
Concen: 10.668 ppbv
RT: 4.493 min Scan# 1361
Delta R.T. -0.003 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

Tgt Ion: 83 Resp: 231475
Ion Ratio Lower Upper
83 100
85 65.1 50.6 75.8
127 7.1 6.3 9.5

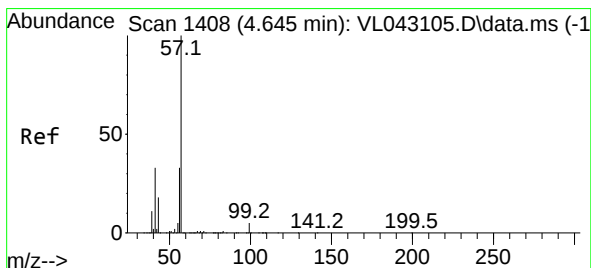
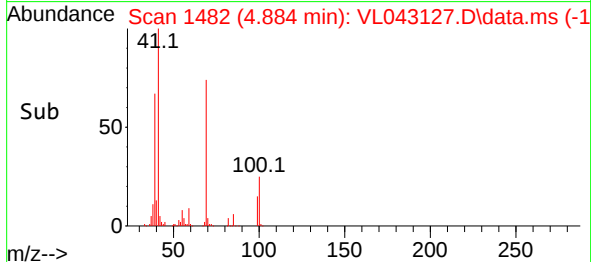
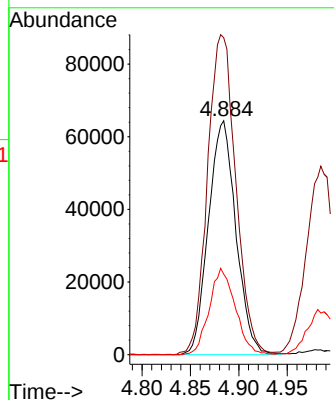
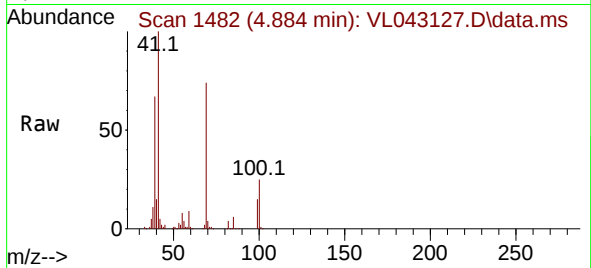




#43
Methyl Methacrylate
Concen: 9.198 ppbv
RT: 4.884 min Scan# 1481
Delta R.T. 0.003 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

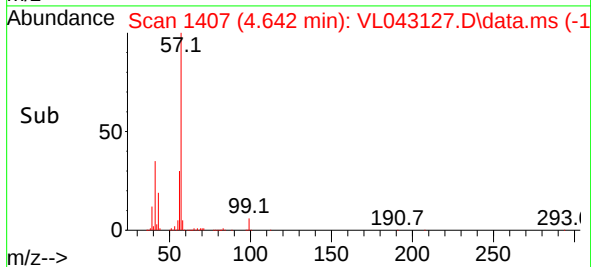
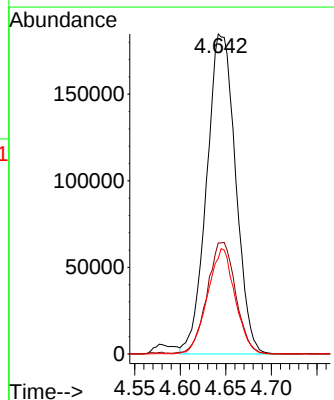
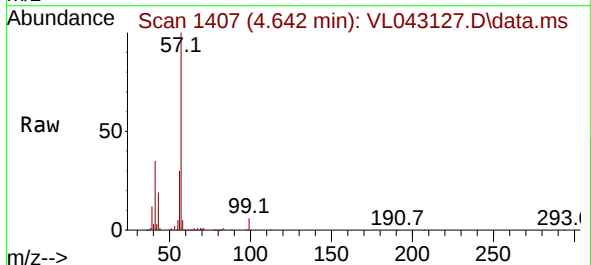
Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01

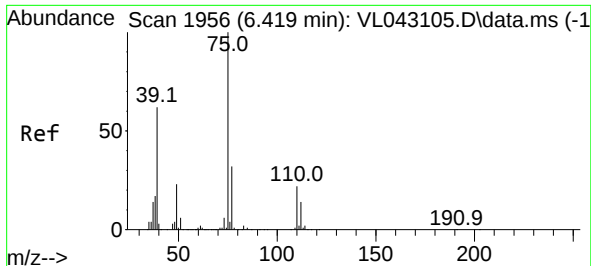
Tgt Ion: 69 Resp: 127142
Ion Ratio Lower Upper
69 100
41 140.4 120.5 180.7
100 35.0 29.0 43.4



#44
2,2,4-Trimethylpentane
Concen: 8.882 ppbv
RT: 4.642 min Scan# 1407
Delta R.T. -0.003 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

Tgt Ion: 57 Resp: 407826
Ion Ratio Lower Upper
57 100
41 34.9 26.3 39.5
56 31.5 25.9 38.9





#45

t-1,3-Dichloropropene

Concen: 9.689 ppbv

RT: 6.419 min Scan# 1956

Delta R.T. -0.000 min

Lab File: VL043127.D

Acq: 16 Oct 2025 11:18

Instrument :

MSVOA_L

ClientSampleId :

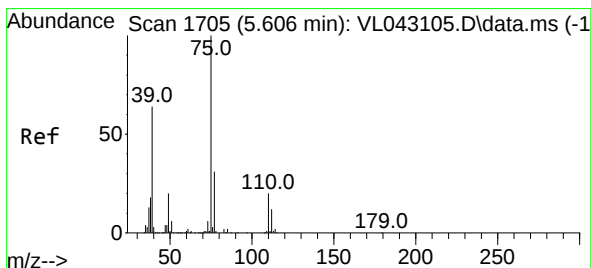
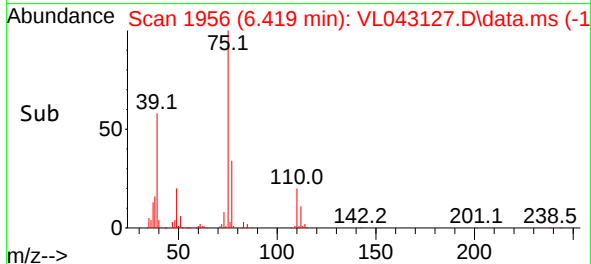
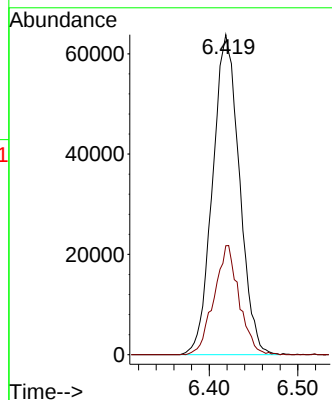
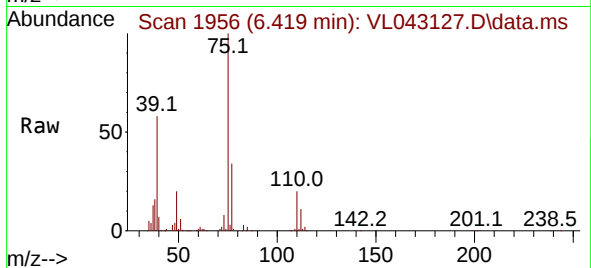
VL1016ABS01

Tgt Ion: 75 Resp: 134398

Ion Ratio Lower Upper

75 100

77 34.1 25.4 38.2



#46

cis-1,3-Dichloropropene

Concen: 9.547 ppbv

RT: 5.606 min Scan# 1705

Delta R.T. -0.000 min

Lab File: VL043127.D

Acq: 16 Oct 2025 11:18

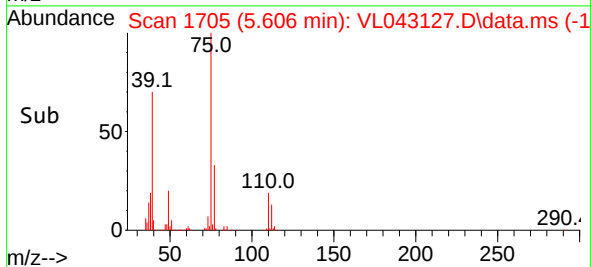
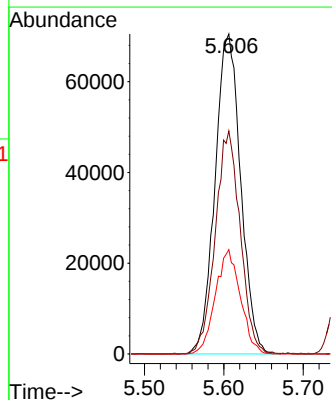
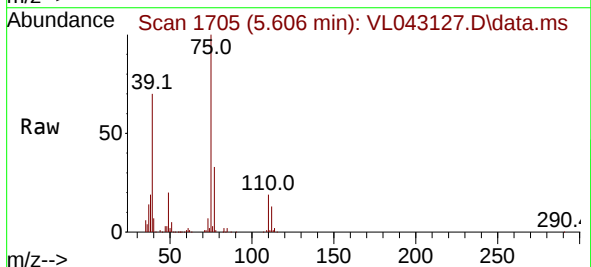
Tgt Ion: 75 Resp: 158197

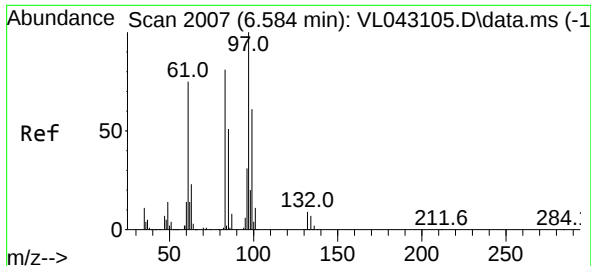
Ion Ratio Lower Upper

75 100

39 69.7 51.0 76.6

77 32.6 25.0 37.4



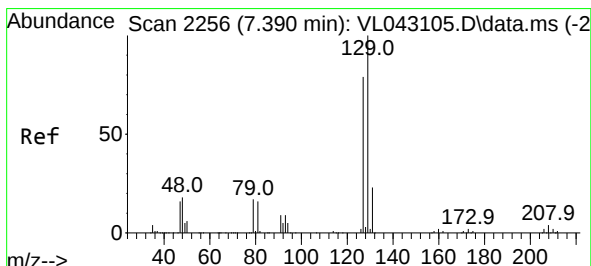
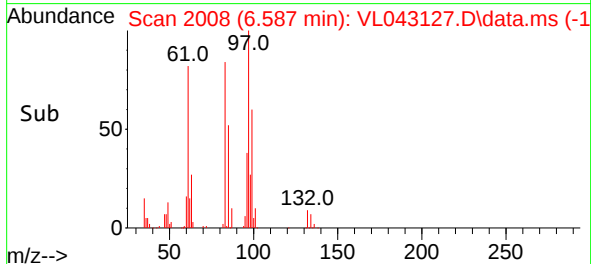
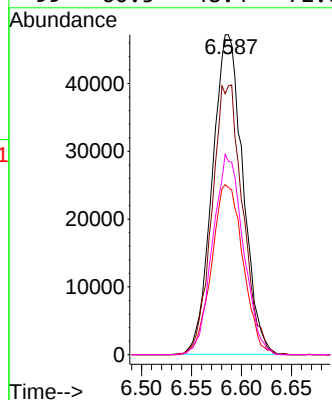
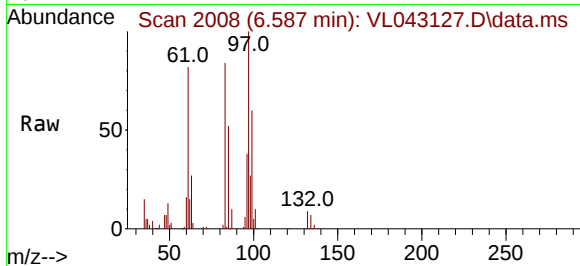


#47
1,1,2-Trichloroethane
Concen: 9.336 ppbv
RT: 6.587 min Scan# 2007
Delta R.T. 0.003 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01

Tgt Ion: 97 Resp: 100302

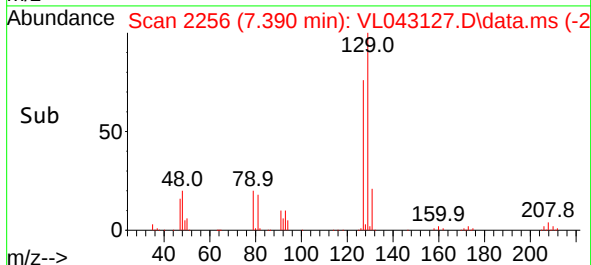
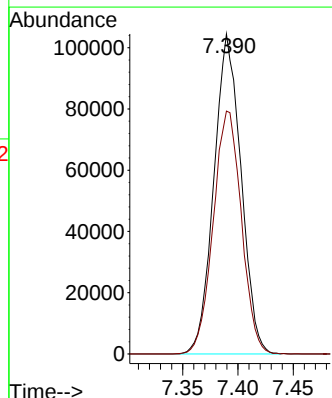
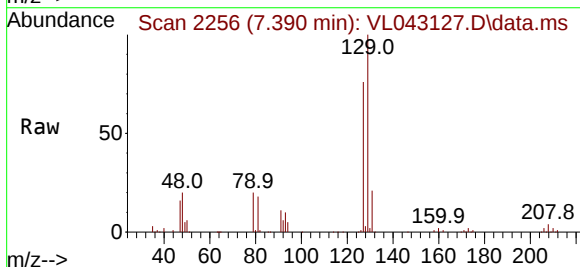
Ion	Ratio	Lower	Upper
97	100		
83	83.9	64.6	96.8
85	52.3	40.6	60.8
99	60.5	48.4	72.6

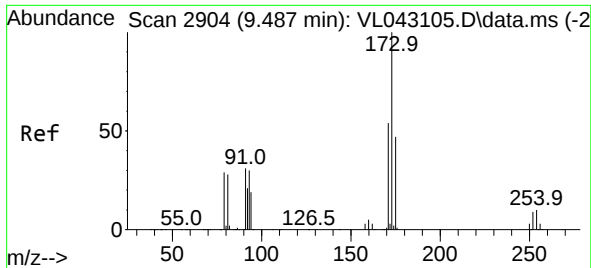


#48
Dibromochloromethane
Concen: 9.928 ppbv
RT: 7.390 min Scan# 2256
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

Tgt Ion: 129 Resp: 178353

Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.3	117.9

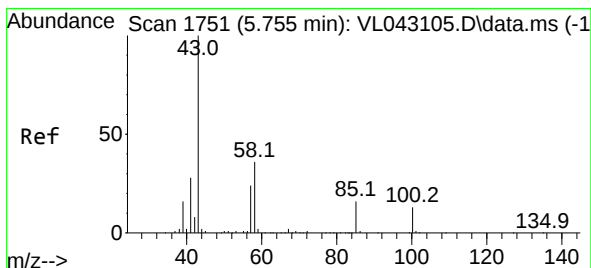
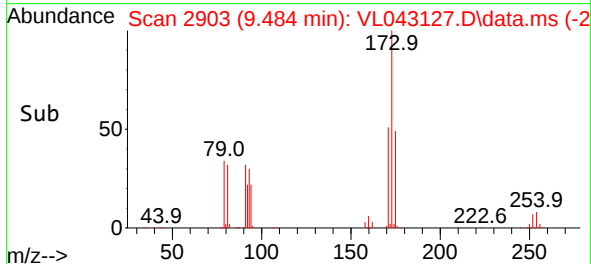
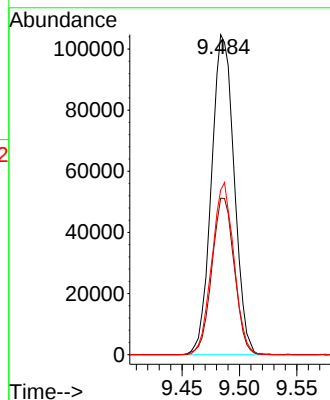
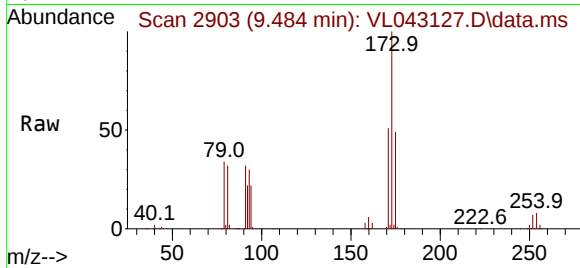




#49
Bromoform
Concen: 9.879 ppbv
RT: 9.484 min Scan# 2904
Delta R.T. -0.003 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

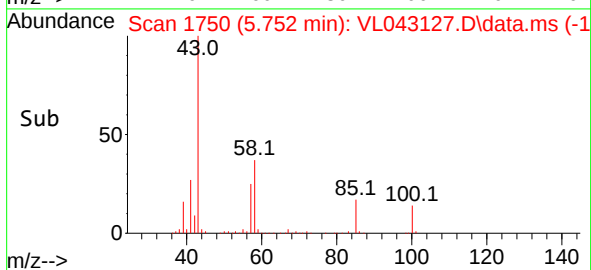
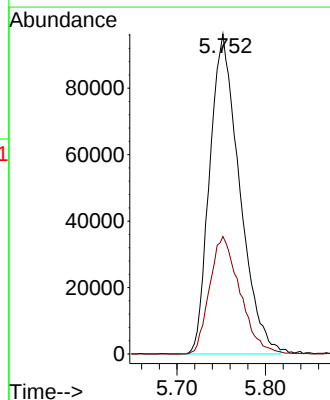
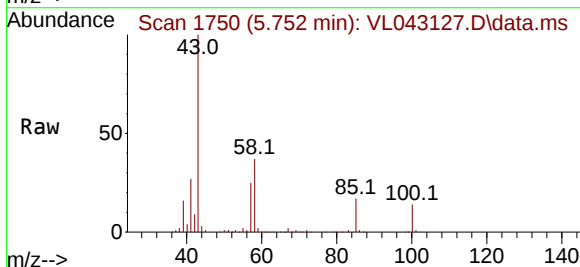
Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01

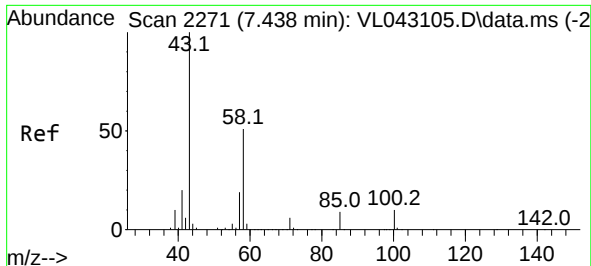
Tgt Ion:173 Resp: 144246
Ion Ratio Lower Upper
173 100
175 48.3 38.8 58.2
171 52.2 41.7 62.5



#50
4-Methyl-2-Pentanone
Concen: 8.412 ppbv
RT: 5.752 min Scan# 1750
Delta R.T. -0.003 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

Tgt Ion: 43 Resp: 225487
Ion Ratio Lower Upper
43 100
58 37.5 29.1 43.7

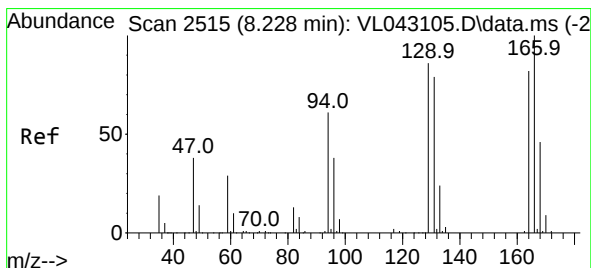
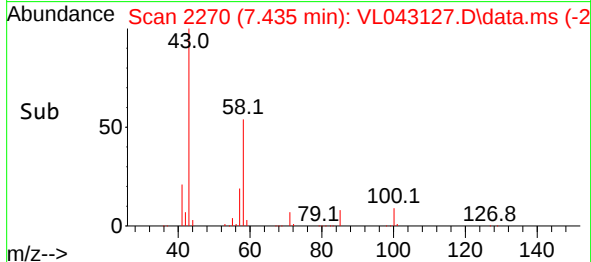
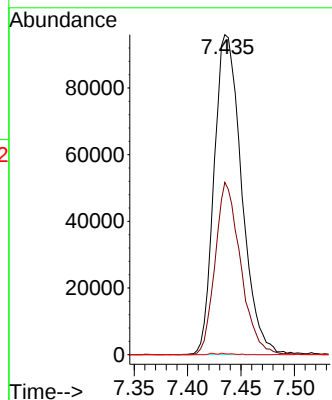
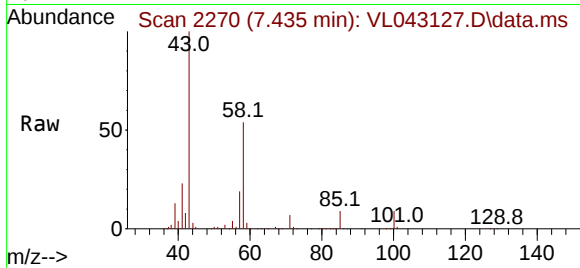




#51
2-Hexanone
Concen: 8.542 ppbv
RT: 7.435 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

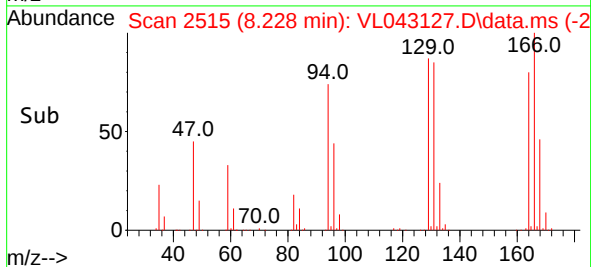
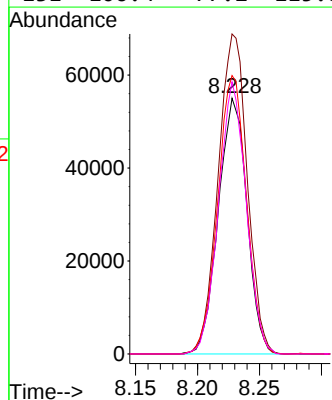
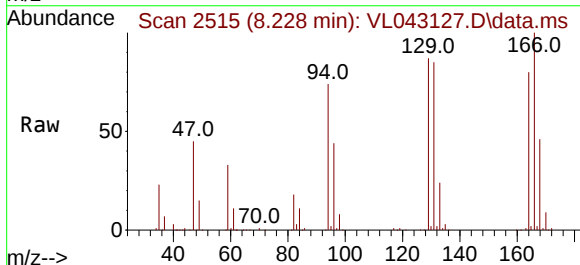
Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01

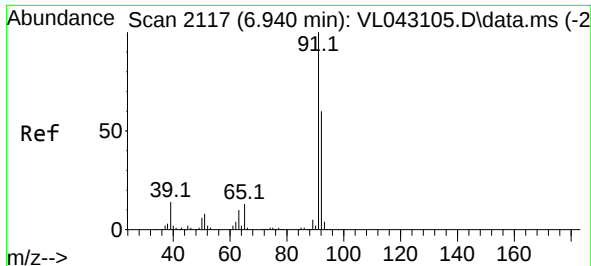
Tgt Ion: 43 Resp: 171746
Ion Ratio Lower Upper
43 100
58 50.1 40.4 60.6
98 0.3 0.1 0.1#



#52
Tetrachloroethene
Concen: 8.996 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

Tgt Ion:164 Resp: 88288
Ion Ratio Lower Upper
164 100
166 125.1 97.6 146.4
129 108.9 84.5 126.7
131 106.4 77.2 115.8

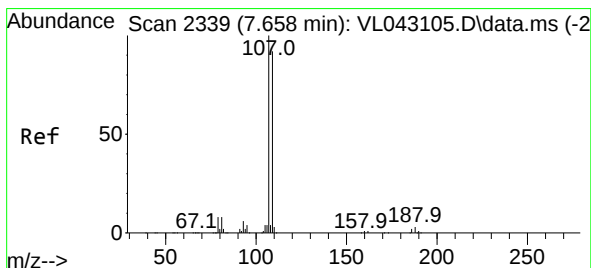
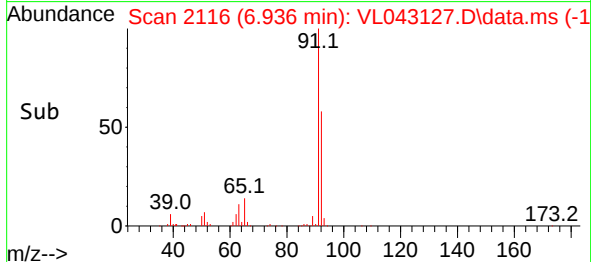
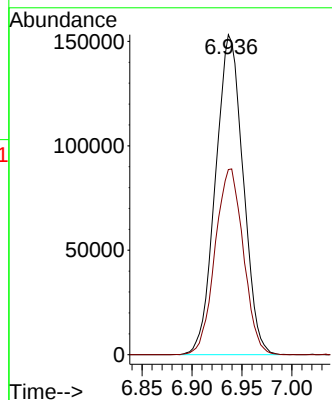
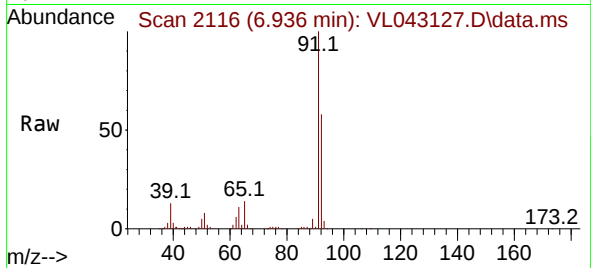




#53
Toluene
Concen: 9.121 ppbv
RT: 6.936 min Scan# 2117
Delta R.T. -0.003 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

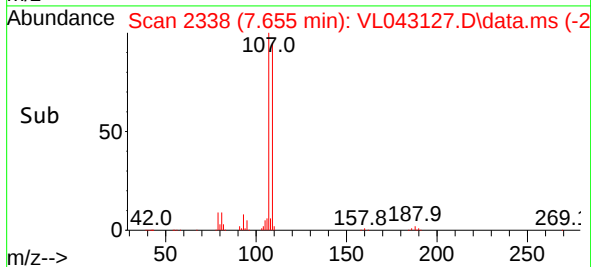
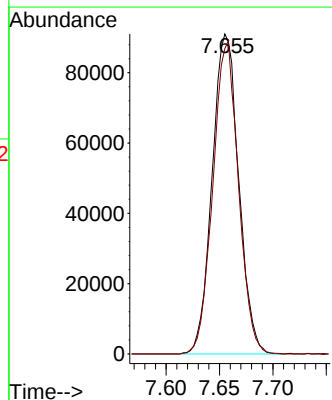
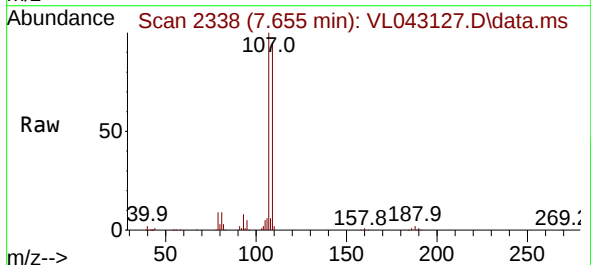
Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01

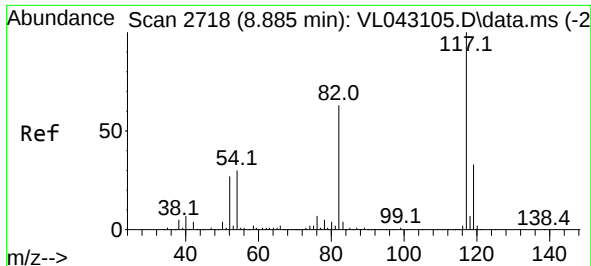
Tgt Ion: 91 Resp: 294609
Ion Ratio Lower Upper
91 100
92 59.5 48.8 73.2



#54
1,2-Dibromoethane
Concen: 9.345 ppbv
RT: 7.655 min Scan# 2338
Delta R.T. -0.003 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

Tgt Ion: 107 Resp: 157255
Ion Ratio Lower Upper
107 100
109 95.4 73.4 110.2

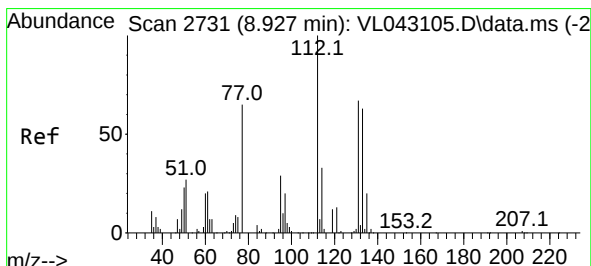
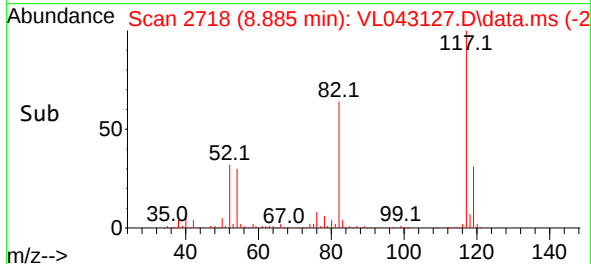
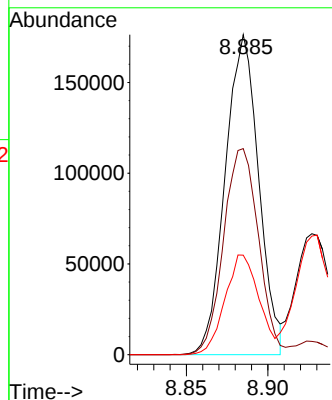
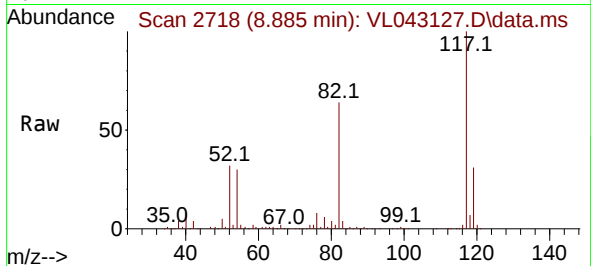




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2718
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

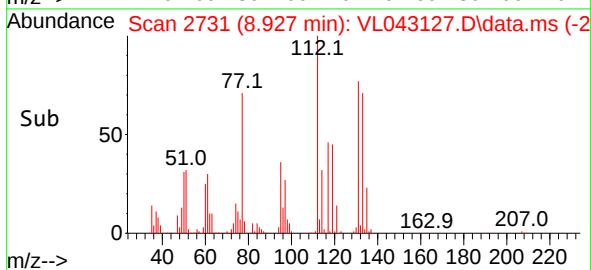
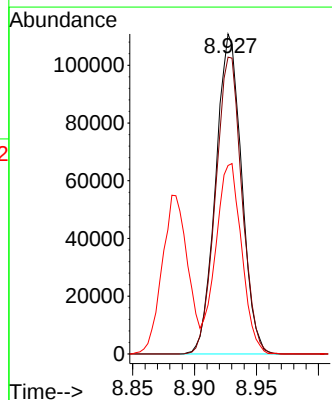
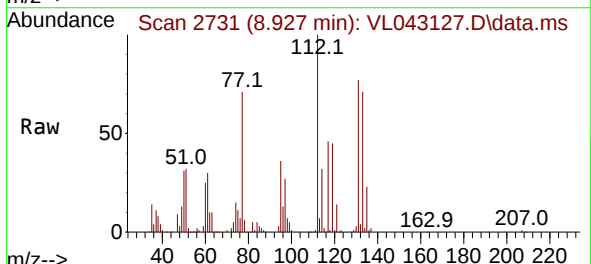
Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01

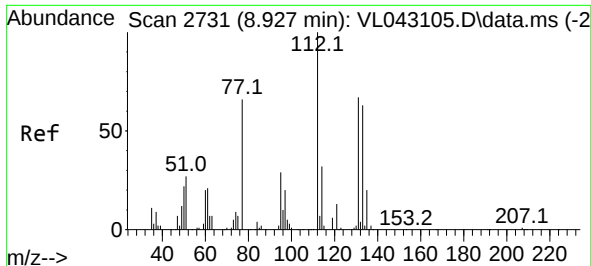
Tgt Ion:117 Resp: 252106
Ion Ratio Lower Upper
117 100
82 71.3 53.8 80.8
119 32.5 25.4 38.0



#56
1,1,1,2-Tetrachloroethane
Concen: 10.151 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

Tgt Ion:131 Resp: 161319
Ion Ratio Lower Upper
131 100
133 94.4 75.7 113.5
119 60.0 50.6 76.0

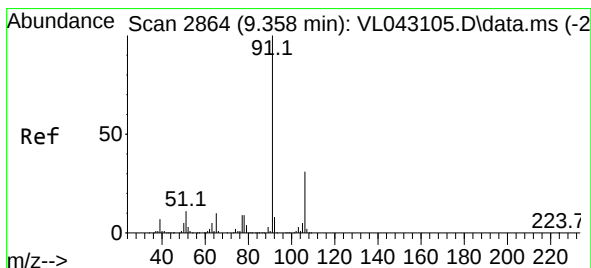
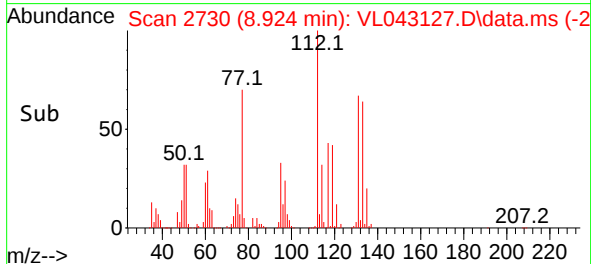
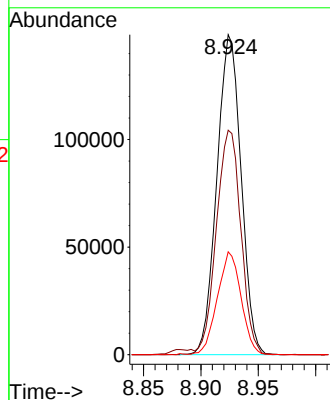
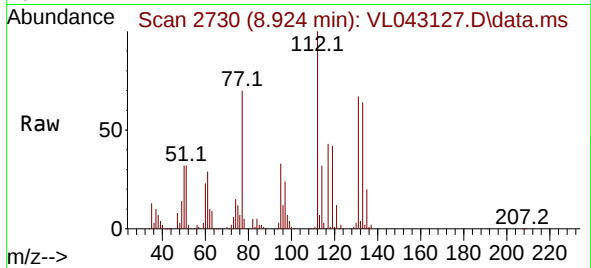




#57
Chlorobenzene
Concen: 9.270 ppbv
RT: 8.924 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

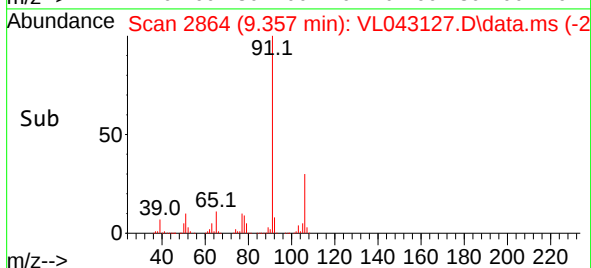
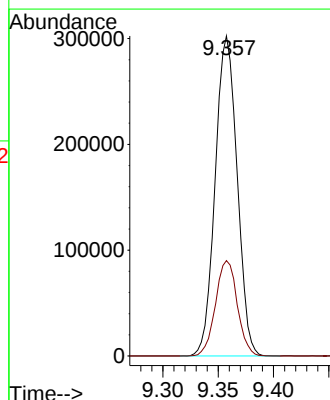
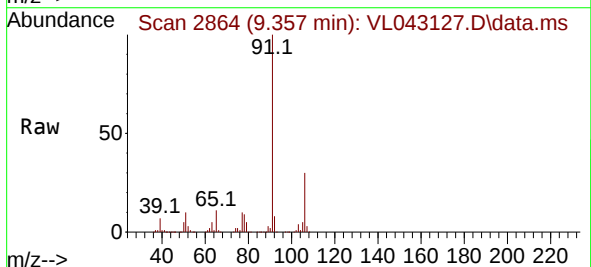
Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01

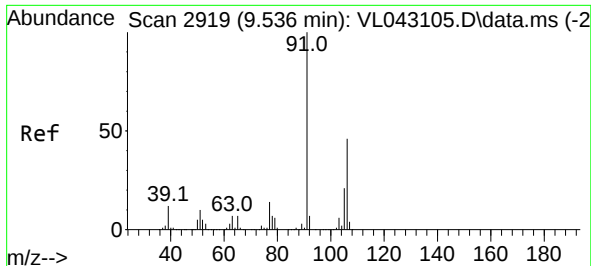
Tgt Ion:112 Resp: 218635
Ion Ratio Lower Upper
112 100
77 70.1 53.3 79.9
114 32.1 29.3 35.8



#58
Ethyl Benzene
Concen: 9.632 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

Tgt Ion: 91 Resp: 416736
Ion Ratio Lower Upper
91 100
106 29.8 24.8 37.2





#59

m/p-Xylene

Concen: 9.385 ppbv

RT: 9.535 min Scan# 2919

Delta R.T. -0.000 min

Lab File: VL043127.D

Acq: 16 Oct 2025 11:18

Instrument :

MSVOA_L

ClientSampleId :

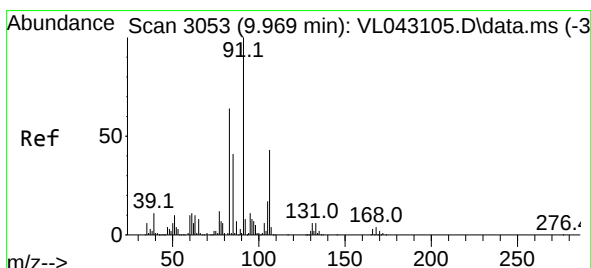
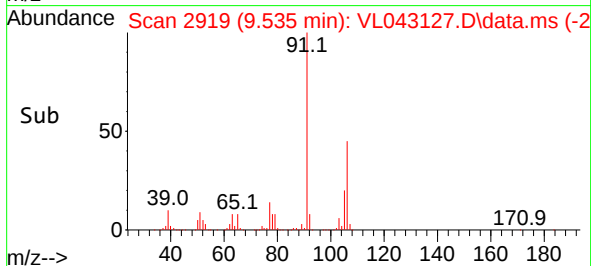
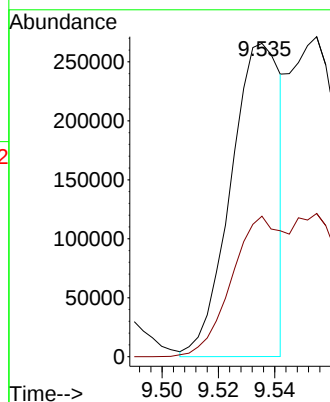
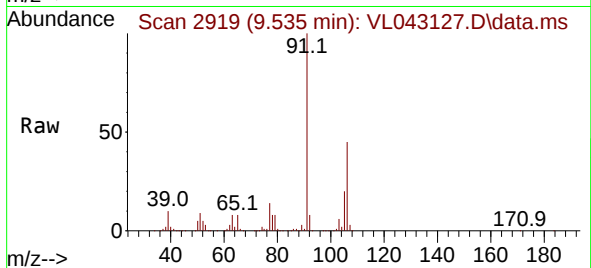
VL1016ABS01

Tgt Ion: 91 Resp: 323870

Ion Ratio Lower Upper

91 100

106 0.0 38.0 57.0#



#60

o-Xylene

Concen: 9.763 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. -0.003 min

Lab File: VL043127.D

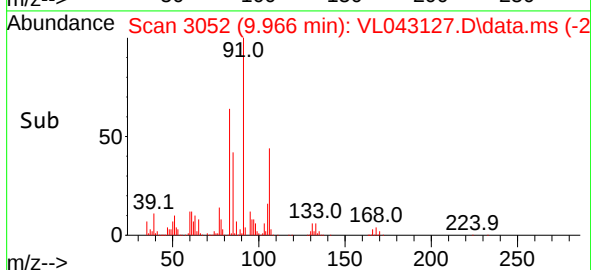
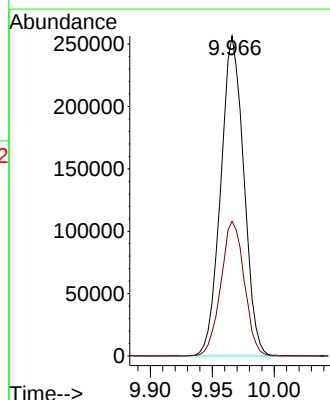
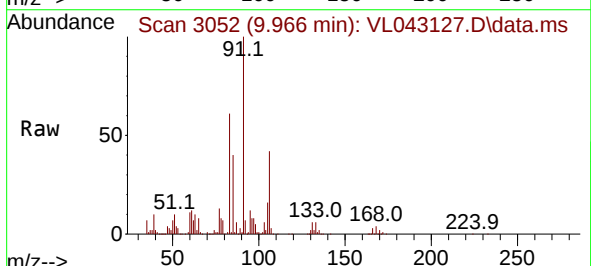
Acq: 16 Oct 2025 11:18

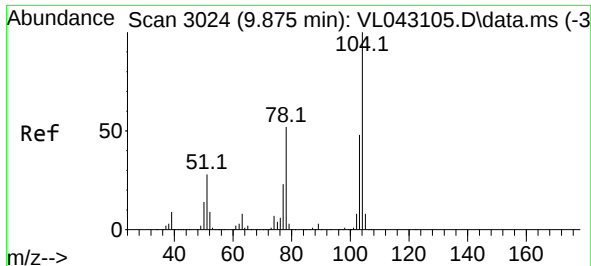
Tgt Ion: 91 Resp: 332756

Ion Ratio Lower Upper

91 100

106 42.7 21.9 65.8

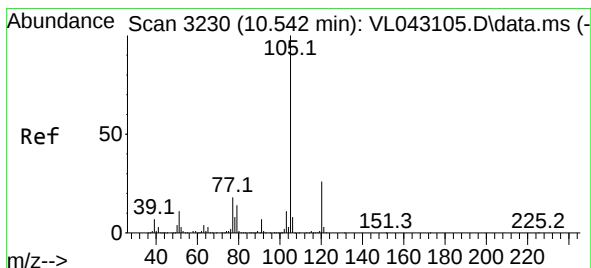
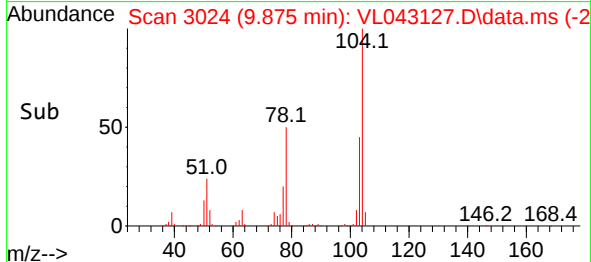
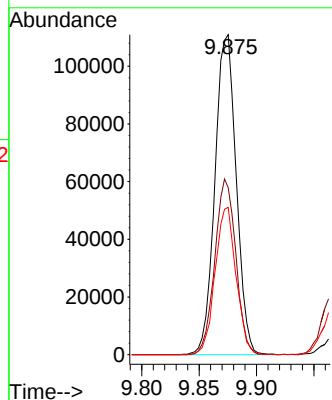
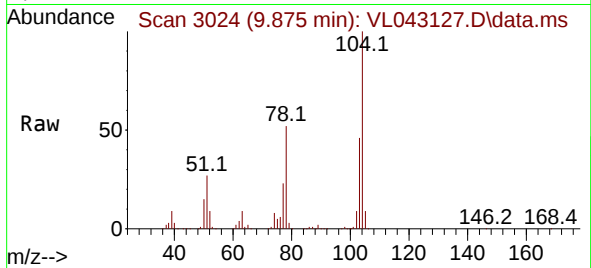




#61
Styrene
Concen: 9.325 ppbv
RT: 9.875 min Scan# 3024
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

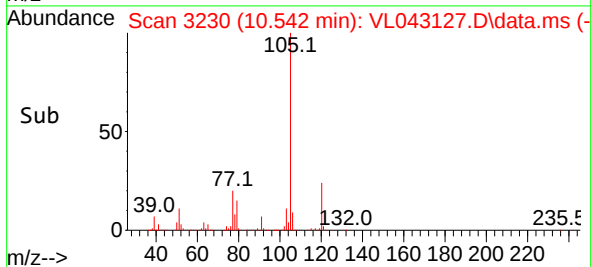
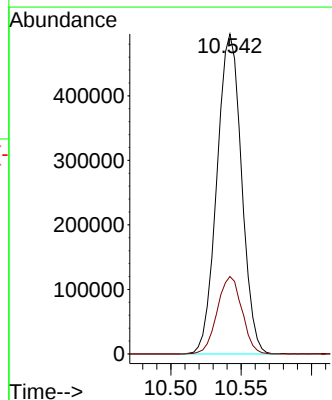
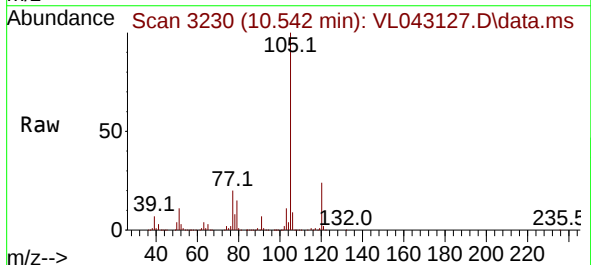
Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01

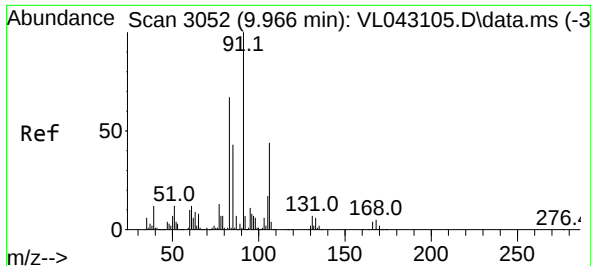
Tgt Ion:104 Resp: 143481
Ion Ratio Lower Upper
104 100
78 54.0 40.2 60.2
103 45.4 36.9 55.3



#62
Isopropylbenzene
Concen: 9.797 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

Tgt Ion:105 Resp: 603364
Ion Ratio Lower Upper
105 100
120 24.2 20.2 30.4





#63

1,1,2,2-Tetrachloroethane

Concen: 9.077 ppbv

RT: 9.963 min Scan# 3052

Delta R.T. -0.003 min

Lab File: VL043127.D

Acq: 16 Oct 2025 11:18

Instrument :

MSVOA_L

ClientSampleId :

VL1016ABS01

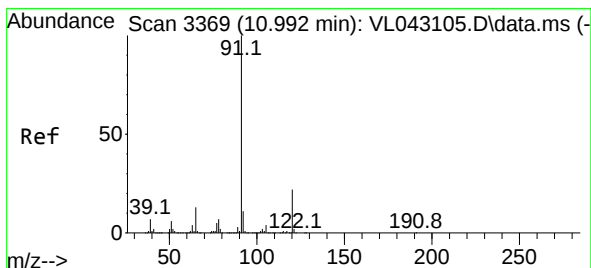
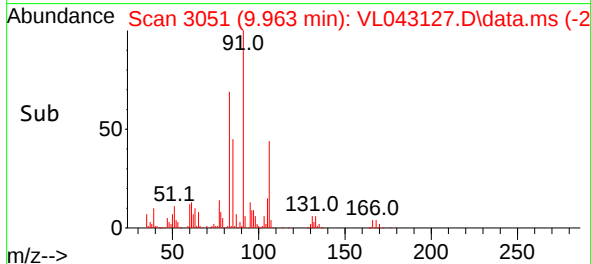
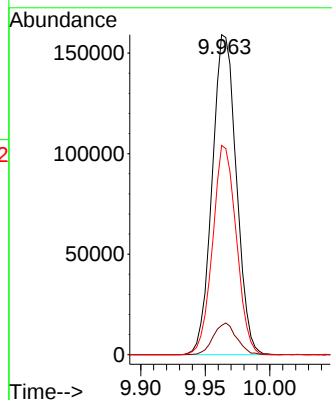
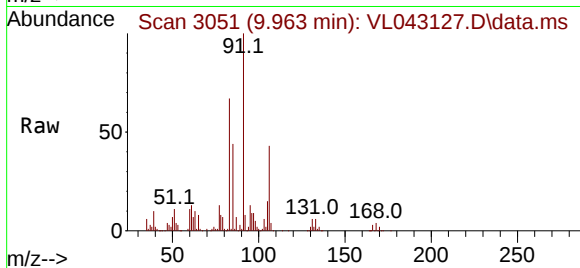
Tgt Ion: 83 Resp: 207157

Ion Ratio Lower Upper

83 100

131 9.5 4.8 14.3

85 64.2 32.0 96.0



#64

n-propylbenzene

Concen: 9.299 ppbv

RT: 10.992 min Scan# 3369

Delta R.T. -0.000 min

Lab File: VL043127.D

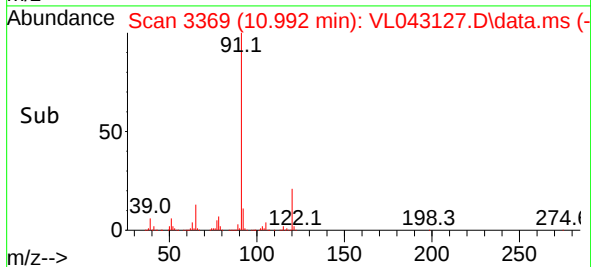
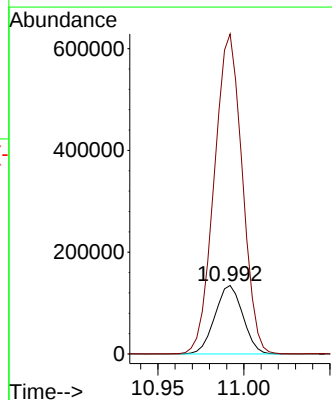
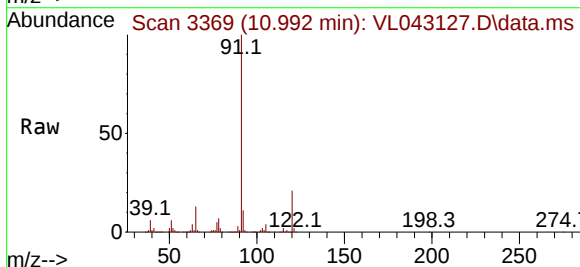
Acq: 16 Oct 2025 11:18

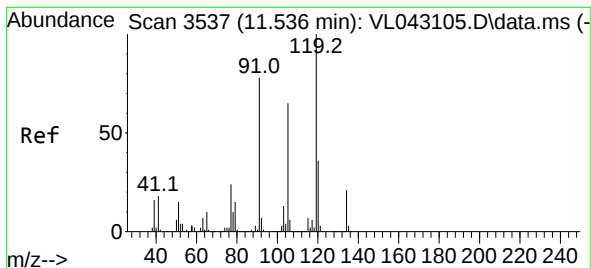
Tgt Ion: 120 Resp: 151633

Ion Ratio Lower Upper

120 100

91 470.5 361.6 542.4





#65

tert-Butylbenzene

Concen: 9.141 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. -0.003 min

Lab File: VL043127.D

Acq: 16 Oct 2025 11:18

Instrument :

MSVOA_L

ClientSampleId :

VL1016ABS01

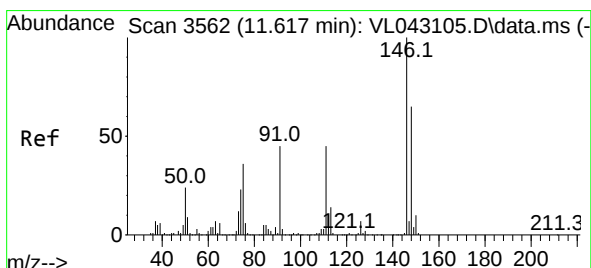
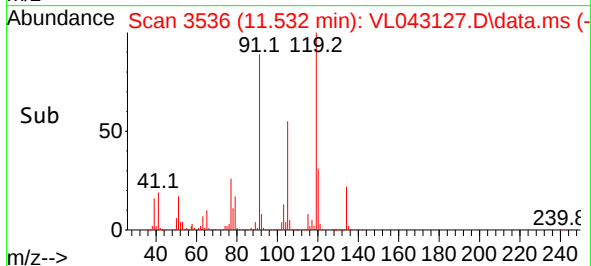
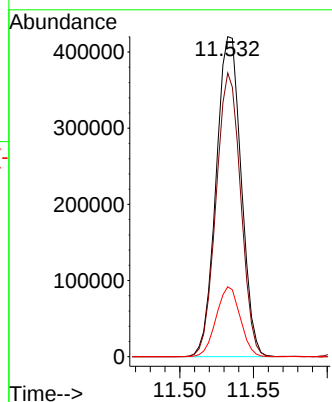
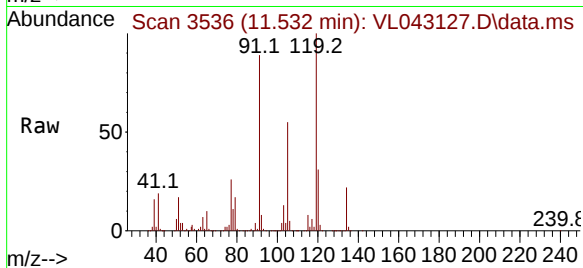
Tgt Ion:119 Resp: 497174

Ion Ratio Lower Upper

119 100

91 86.8 63.4 95.0

134 20.9 17.3 25.9



#66

Benzyl Chloride

Concen: 8.424 ppbv

RT: 11.617 min Scan# 3562

Delta R.T. -0.000 min

Lab File: VL043127.D

Acq: 16 Oct 2025 11:18

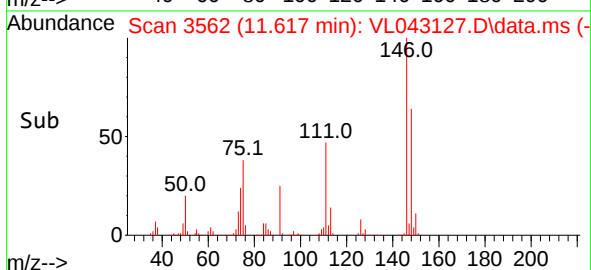
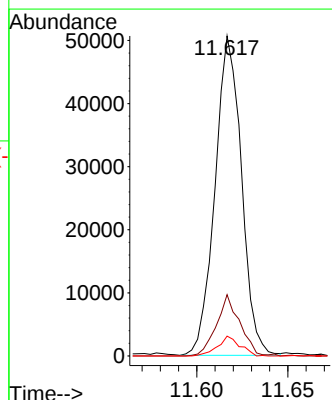
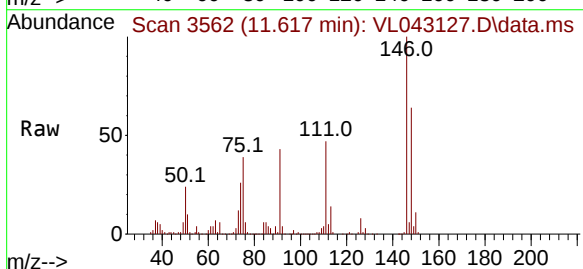
Tgt Ion: 91 Resp: 50989

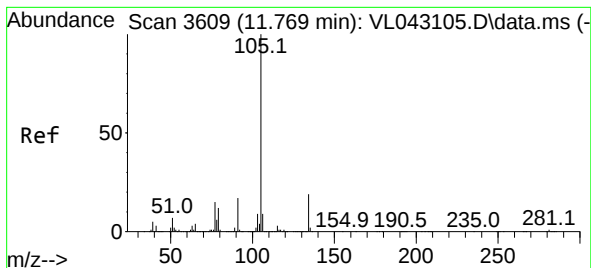
Ion Ratio Lower Upper

91 100

126 17.1 14.6 22.0

128 5.2 4.6 6.8





#67

sec-Butylbenzene

Concen: 9.411 ppbv

RT: 11.769 min Scan# 3609

Delta R.T. -0.000 min

Lab File: VL043127.D

Acq: 16 Oct 2025 11:18

Instrument :

MSVOA_L

ClientSampleId :

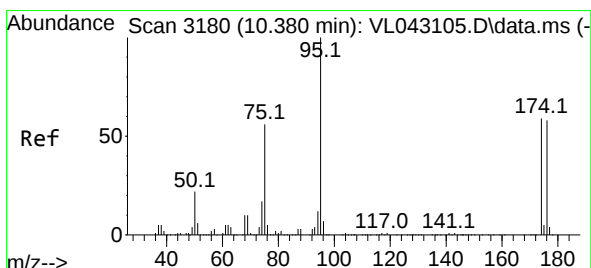
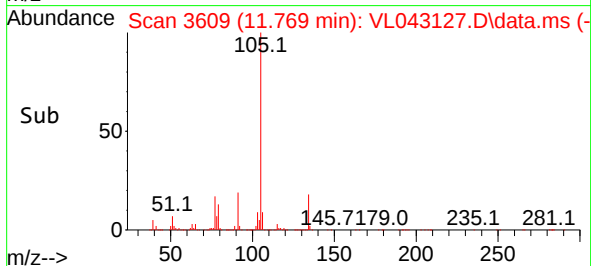
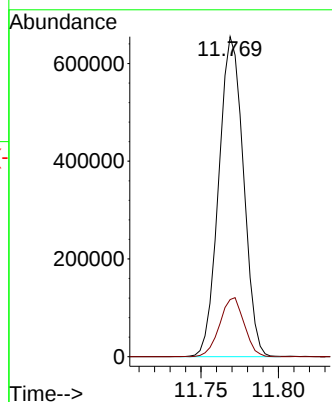
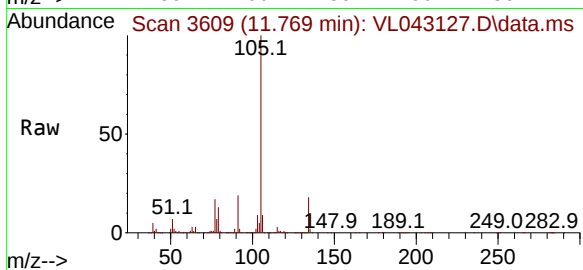
VL1016ABS01

Tgt Ion:105 Resp: 726431

Ion Ratio Lower Upper

105 100

134 18.3 15.5 23.3



#68

1-Bromo-4-Fluorobenzene

Concen: 10.665 ppbv

RT: 10.380 min Scan# 3180

Delta R.T. -0.000 min

Lab File: VL043127.D

Acq: 16 Oct 2025 11:18

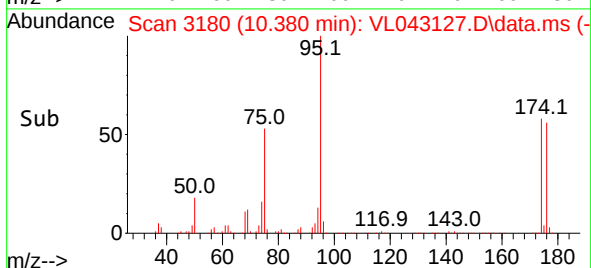
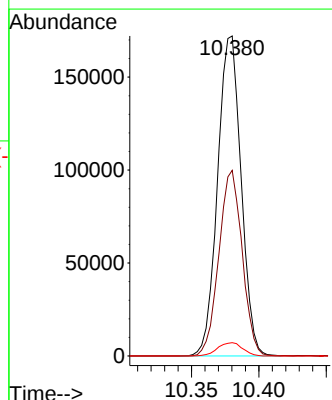
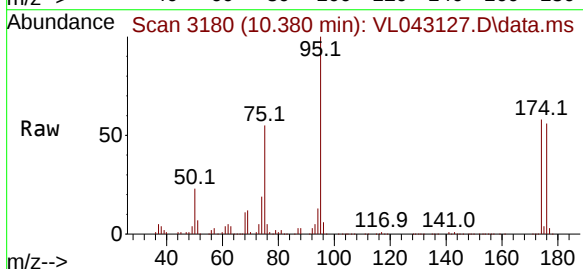
Tgt Ion: 95 Resp: 208995

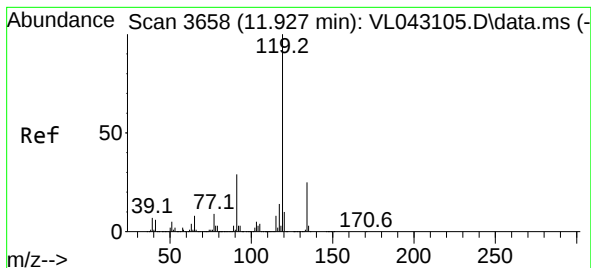
Ion Ratio Lower Upper

95 100

174 57.4 48.3 72.5

175 4.4 3.8 5.8

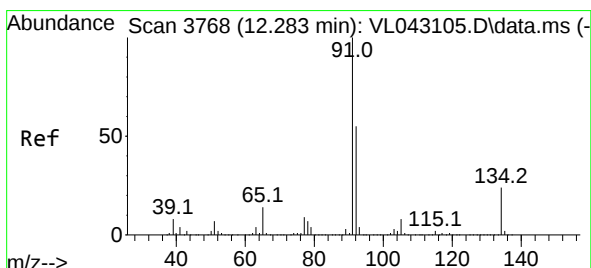
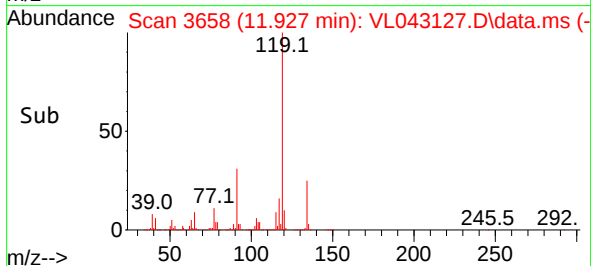
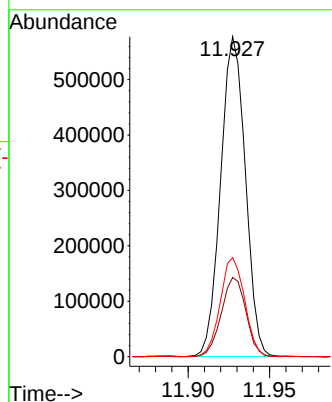
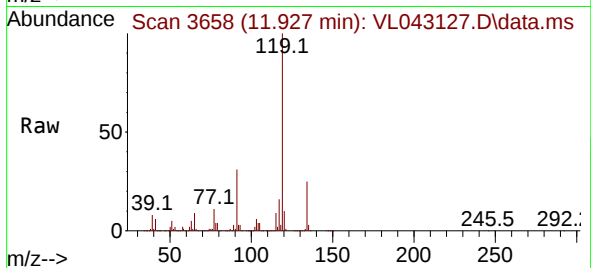




#69
p-Isopropyltoluene
Concen: 9.265 ppbv
RT: 11.927 min Scan# 3658
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

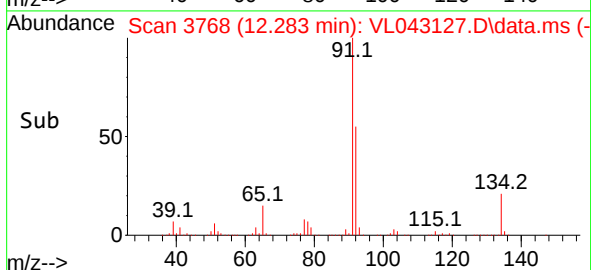
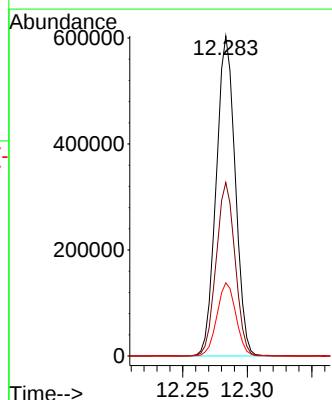
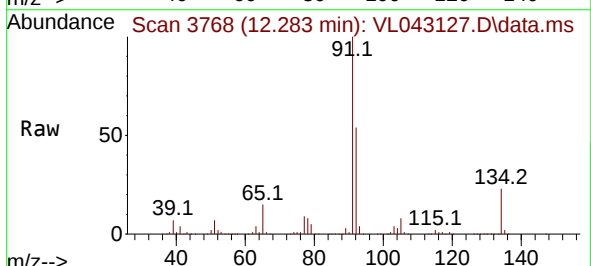
Instrument :
MSVOA_1
ClientSampleId :
VL1016ABS01

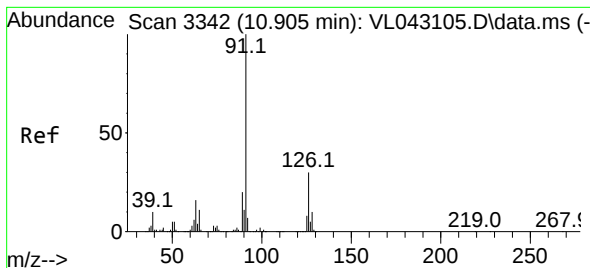
Tgt Ion:119 Resp: 607694
Ion Ratio Lower Upper
119 100
134 24.8 20.3 30.5
91 30.8 22.6 33.8



#70
n-Butylbenzene
Concen: 9.560 ppbv
RT: 12.283 min Scan# 3768
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

Tgt Ion: 91 Resp: 617901
Ion Ratio Lower Upper
91 100
92 53.9 44.5 66.7
134 22.8 19.3 28.9

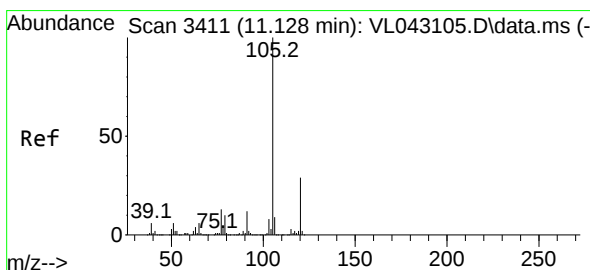
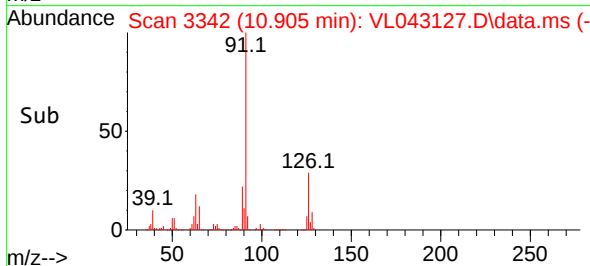
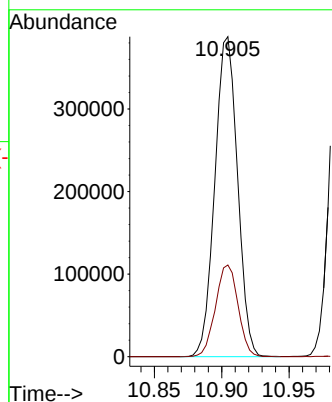
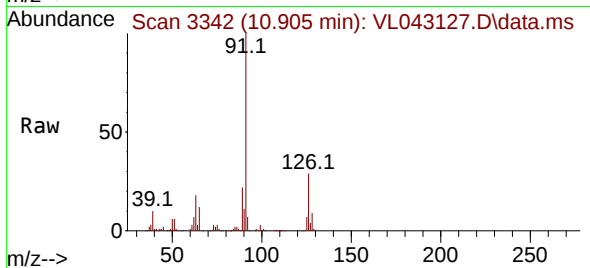




#71
2-Chlorotoluene
Concen: 9.658 ppbv
RT: 10.905 min Scan# 311
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

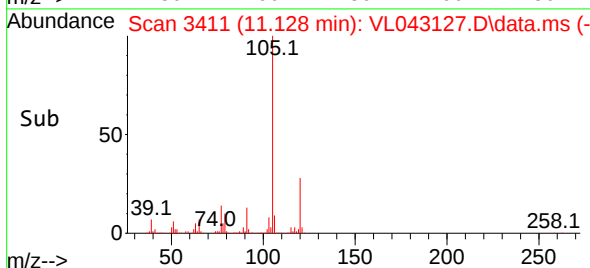
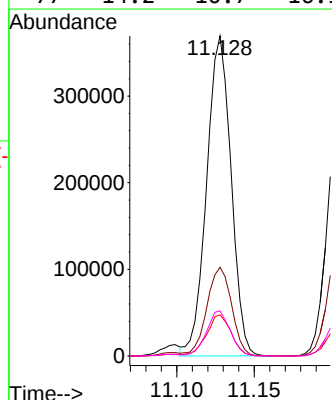
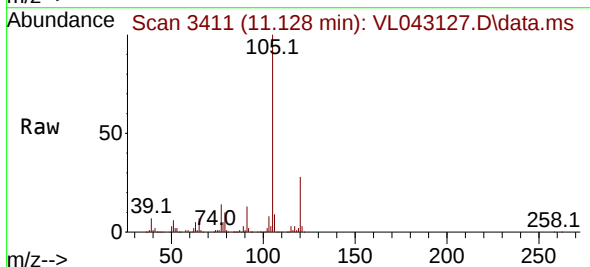
Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01

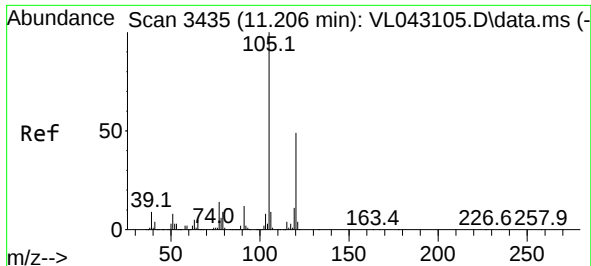
Tgt Ion: 91 Resp: 453663
Ion Ratio Lower Upper
91 100
126 28.5 12.0 48.0



#72
4-Ethyltoluene
Concen: 9.657 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

Tgt Ion: 105 Resp: 404726
Ion Ratio Lower Upper
105 100
120 29.0 24.2 36.4
91 13.4 10.0 15.0
77 14.2 10.7 16.1

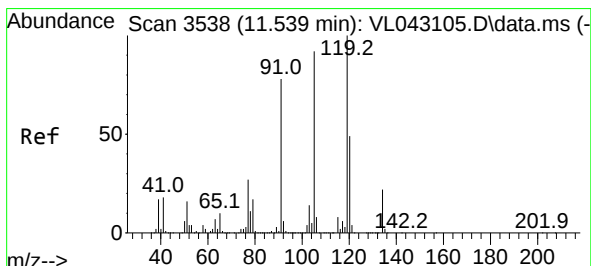
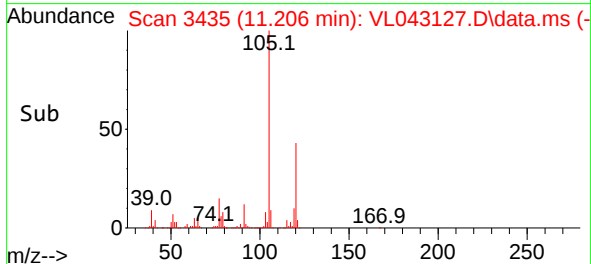
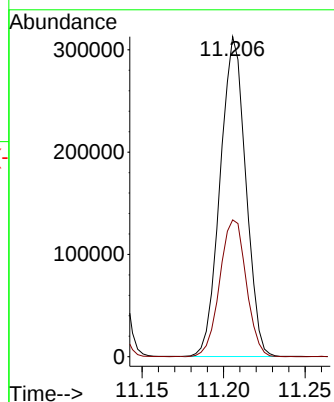
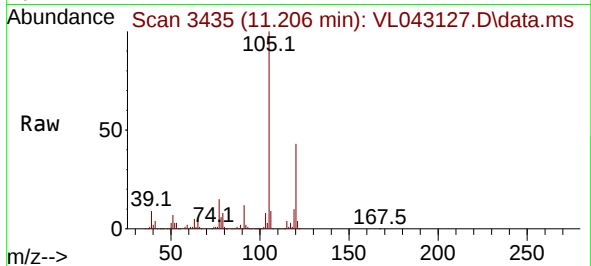




#73
 1,3,5-Trimethylbenzene
 Concen: 9.859 ppbv
 RT: 11.206 min Scan# 3435
 Delta R.T. -0.000 min
 Lab File: VL043127.D
 Acq: 16 Oct 2025 11:18

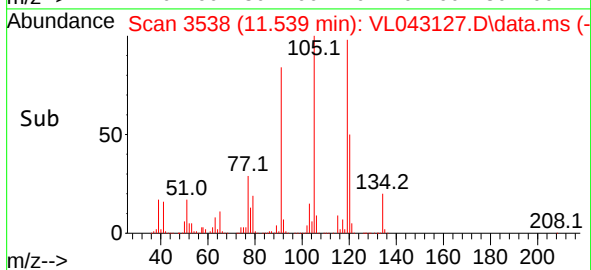
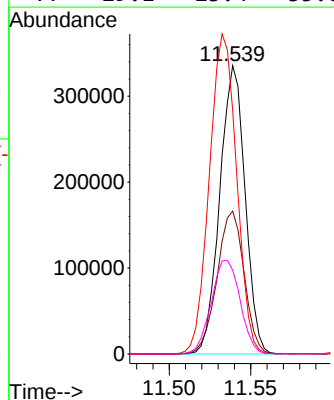
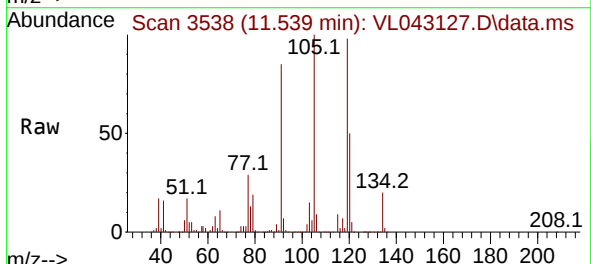
Instrument :
 MSVOA_1
 ClientSampleId :
 VL1016ABS01

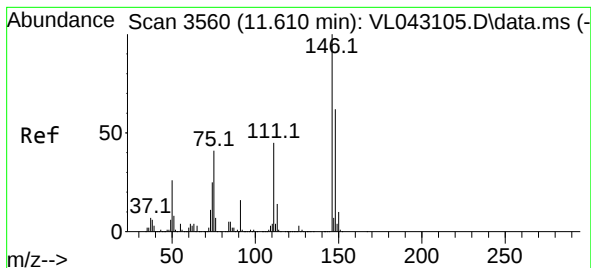
Tgt Ion:105 Resp: 340778
 Ion Ratio Lower Upper
 105 100
 120 42.7 39.0 58.6



#74
 1,2,4-Trimethylbenzene
 Concen: 9.350 ppbv
 RT: 11.539 min Scan# 3538
 Delta R.T. -0.000 min
 Lab File: VL043127.D
 Acq: 16 Oct 2025 11:18

Tgt Ion:105 Resp: 361647
 Ion Ratio Lower Upper
 105 100
 120 49.5 42.8 64.2
 91 84.5 68.3 102.5
 77 29.1 23.4 35.0





#75

1,3-Dichlorobenzene

Concen: 9.276 ppbv

RT: 11.610 min Scan# 3560

Delta R.T. -0.000 min

Lab File: VL043127.D

Acq: 16 Oct 2025 11:18

Instrument :

MSVOA_1

ClientSampleId :

VL1016ABS01

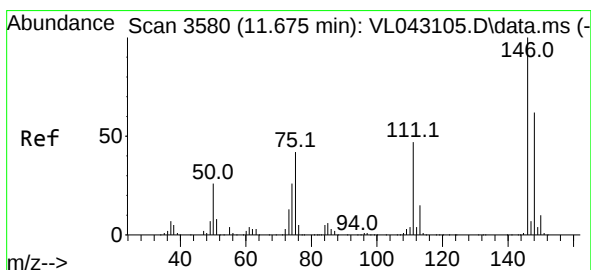
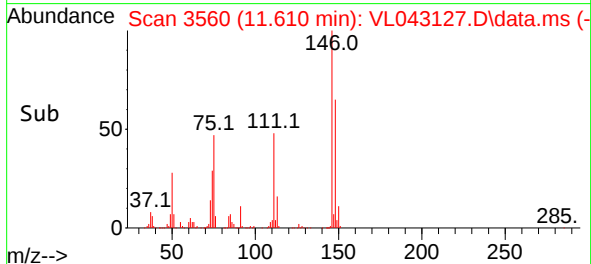
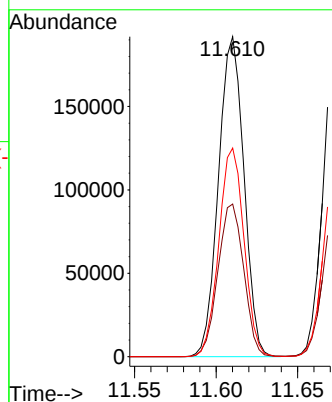
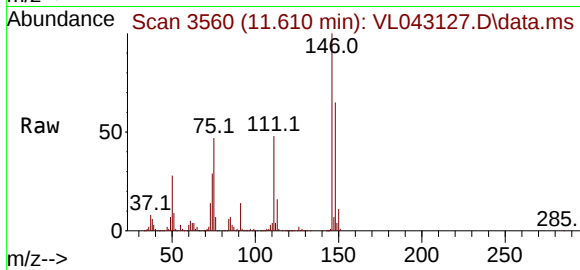
Tgt Ion:146 Resp: 208099

Ion Ratio Lower Upper

146 100

111 48.3 23.3 69.9

148 64.5 31.6 95.0



#76

1,4-Dichlorobenzene

Concen: 9.343 ppbv

RT: 11.675 min Scan# 3580

Delta R.T. -0.000 min

Lab File: VL043127.D

Acq: 16 Oct 2025 11:18

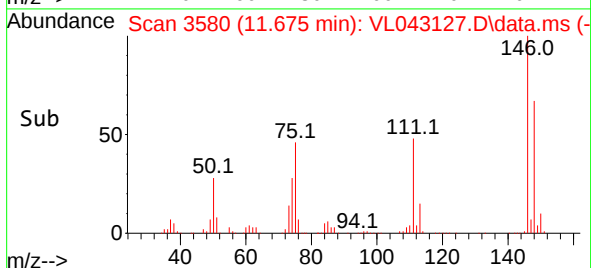
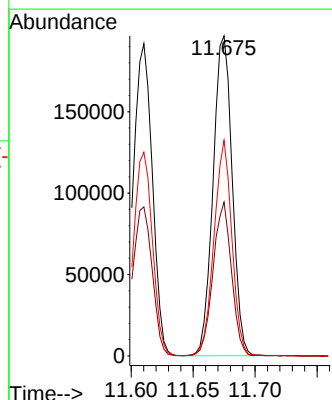
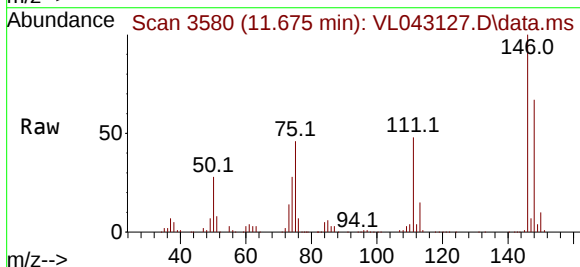
Tgt Ion:146 Resp: 211340

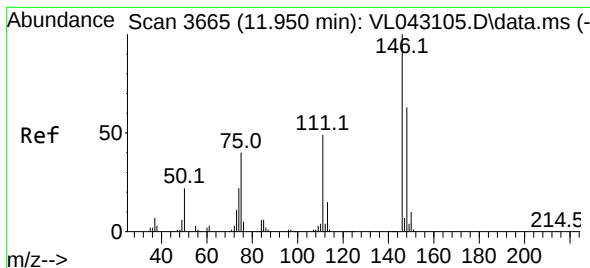
Ion Ratio Lower Upper

146 100

111 46.6 22.4 67.0

148 63.3 31.6 94.7





#77

1,2-Dichlorobenzene

Concen: 9.028 ppbv

RT: 11.950 min Scan# 3

Delta R.T. -0.000 min

Lab File: VL043127.D

Acq: 16 Oct 2025 11:18

Instrument :

MSVOA_L

ClientSampleId :

VL1016ABS01

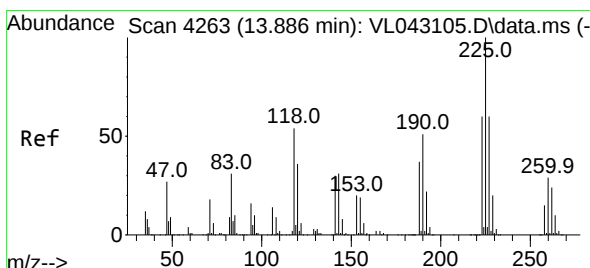
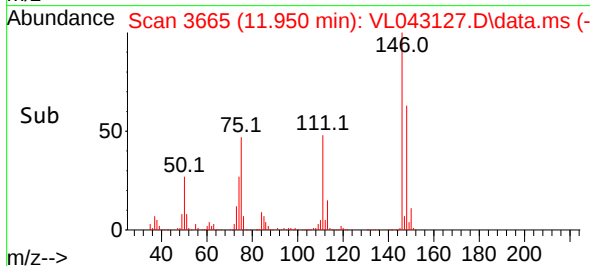
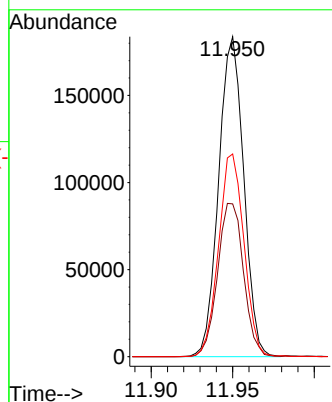
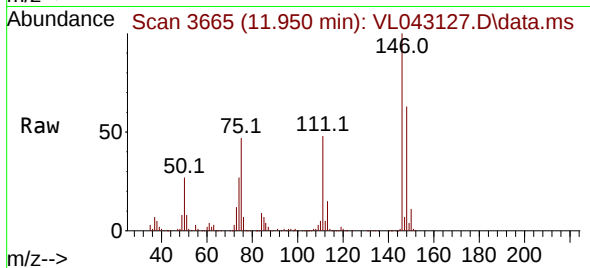
Tgt Ion:146 Resp: 195920

Ion Ratio Lower Upper

146 100

111 49.9 24.0 72.0

148 64.4 31.1 93.3



#78

Hexachloro-1,3-Butadiene

Concen: 8.184 ppbv

RT: 13.882 min Scan# 4262

Delta R.T. -0.003 min

Lab File: VL043127.D

Acq: 16 Oct 2025 11:18

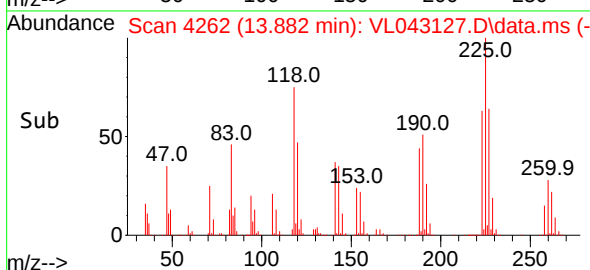
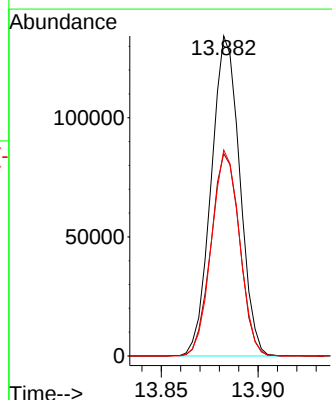
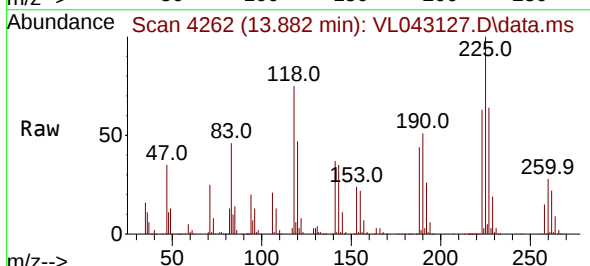
Tgt Ion:225 Resp: 137516

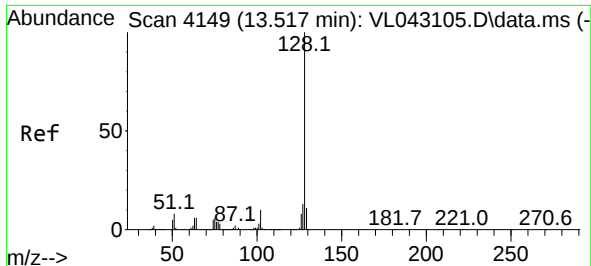
Ion Ratio Lower Upper

225 100

223 63.6 50.2 75.4

227 63.3 49.6 74.4

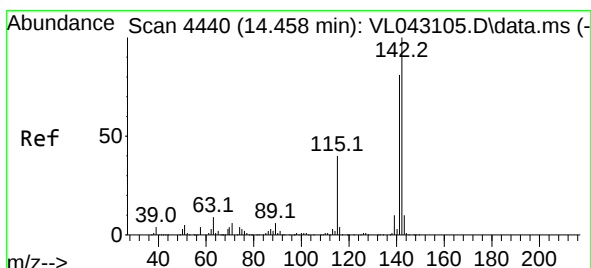
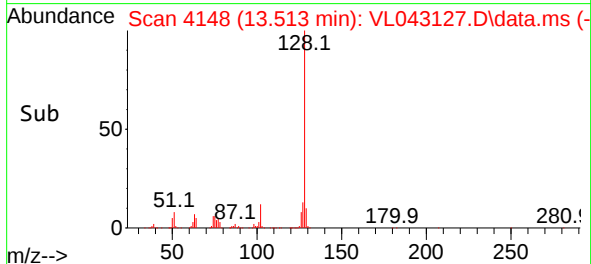
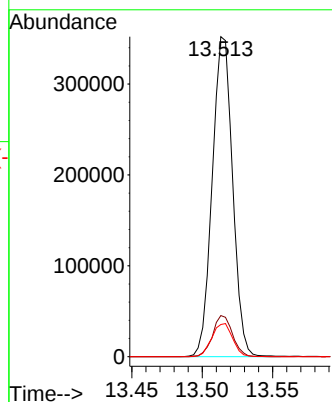
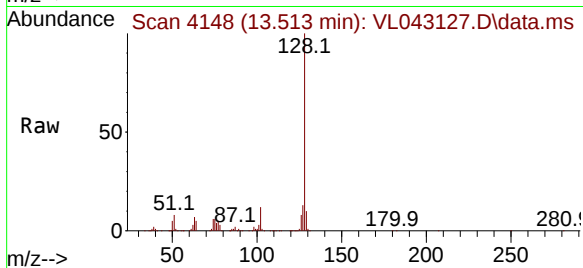




#79
Naphthalene
Concen: 8.761 ppbv
RT: 13.513 min Scan# 4149
Delta R.T. -0.003 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

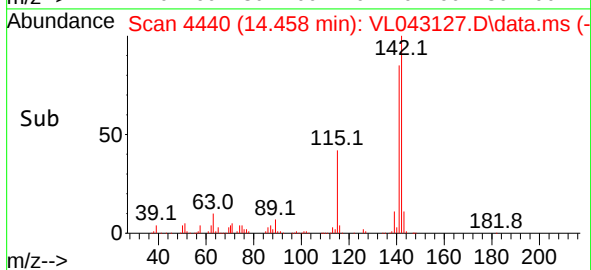
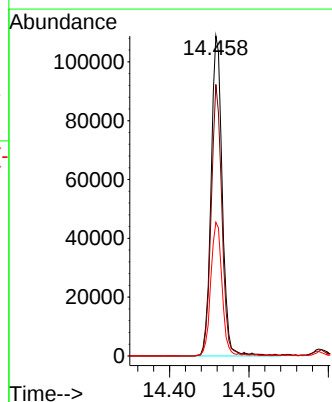
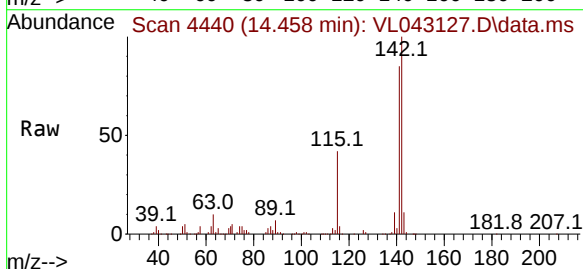
Instrument :
MSVOA_L
ClientSampleId :
VL1016ABS01

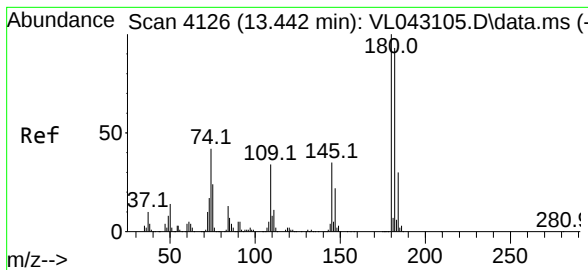
Tgt Ion:128 Resp: 354180
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 10.0 9.1 13.7



#80
Naphthalene,2-methyl-
Concen: 10.113 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. -0.000 min
Lab File: VL043127.D
Acq: 16 Oct 2025 11:18

Tgt Ion:142 Resp: 106518
Ion Ratio Lower Upper
142 100
141 82.2 64.6 97.0
115 42.7 30.2 45.4





#81
 1,2,4-Trichlorobenzene
 Concen: 9.024 ppbv
 RT: 13.442 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL043127.D
 Acq: 16 Oct 2025 11:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1016ABS01

Tgt Ion:180 Resp: 151426
 Ion Ratio Lower Upper
 180 100
 182 93.8 75.5 113.3
 184 30.0 23.9 35.9

