

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
 Data File : VL042956.D
 Acq On : 22 Sep 2025 13:05
 Operator : SY/MD
 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Quant Time: Sep 23 02:14:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 23 02:07:33 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	162846	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	494779	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	458256	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	343752	10.049	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.500%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	300946	13.740	ppbv	97
3) Chlorodifluoromethane	1.476	51	364959	13.369	ppbv	100
4) Chloromethane	1.534	50	133240	13.439	ppbv	99
5) Vinyl Chloride	1.583	62	115257	12.860	ppbv	100
6) Bromomethane	1.670	94	40861	12.925	ppbv	94
7) Chloroethane	1.706	64	46081	13.241	ppbv	99
8) Dichlorotetrafluoroethane	1.557	85	255815	13.682	ppbv	98
9) Propene	1.486	41	154069	12.973	ppbv	94
10) Heptane	4.985	43	424500	13.327	ppbv	98
11) Trichlorofluoromethane	1.881	101	295479	13.991	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.143	101	237615	13.894	ppbv	99
13) Ethanol	1.722	45	11502	10.105	ppbv	99
14) Bromoethene	1.784	108	88375	13.668	ppbv	100
15) Acetone	1.835	43	244861	11.545	ppbv	97
16) 1,3-Butadiene	1.612	39	126670	12.661	ppbv	97
17) tert-Butyl alcohol	2.039	59	308347	13.255	ppbv	99
18) 1,1-Dichloroethene	2.036	96	109211	13.796	ppbv	99
19) Isopropyl Alcohol	1.887	45	162952	12.780	ppbv	100
20) Methylene Chloride	2.062	84	92708	14.996	ppbv	95
21) Allyl Chloride	2.098	41	204552	13.848	ppbv	100
22) trans-1,2-Dichloroethene	2.343	96	121815	13.542	ppbv	98
23) Vinyl Acetate	2.463	43	419251	13.837	ppbv	99
24) 1,1-Dichloroethane	2.411	63	243229	13.789	ppbv	99
25) Ethyl Acetate	2.835	43	724418	13.514	ppbv	99
26) Hexane	2.829	57	321710	13.166	ppbv	99
27) Carbon Disulfide	2.153	76	300931	13.731	ppbv	97
28) Methyl tert-Butyl Ether	2.444	73	193915	15.267	ppbv	94
29) Chloroform	2.852	83	440772	13.796	ppbv	98
30) Cyclohexane	3.858	84	281932	13.800	ppbv	98
31) cis-1,2-Dichloroethene	2.722	61	317456	13.869	ppbv	98
32) 1,1,1-Trichloroethane	3.369	97	456335	13.178	ppbv	99
34) 2-Butanone	2.557	43	469872	13.551	ppbv	99
35) Carbon Tetrachloride	3.764	117	457985	14.385	ppbv	97
36) Benzene	3.658	78	654205	14.080	ppbv	99
37) 1,2-Dichloroethane	3.221	62	350841	14.358	ppbv	100
38) Trichloroethene	4.548	130	310602	13.450	ppbv	97
39) 1,2-Dichloropropane	4.315	63	241323	14.218	ppbv	95
40) 1,4-Dioxane	4.580	88	104884	13.306	ppbv #	98
41) Tetrahydrofuran	3.052	42	276157	13.855	ppbv	99
42) Bromodichloromethane	4.489	83	495091	14.544	ppbv	98
43) Methyl Methacrylate	4.881	69	263659	13.979	ppbv	99
44) 2,2,4-Trimethylpentane	4.641	57	1107180	13.791	ppbv	99
45) t-1,3-Dichloropropene	6.415	75	298019	14.694	ppbv	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
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 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

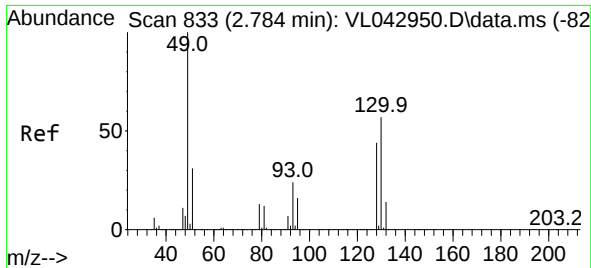
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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 23 02:07:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	371770	14.389	ppbv	99
47) 1,1,2-Trichloroethane	6.583	97	249453	13.909	ppbv	96
48) Dibromochloromethane	7.389	129	421755	14.709	ppbv	99
49) Bromoform	9.487	173	367120	14.719	ppbv	99
50) 4-Methyl-2-Pentanone	5.748	43	666049	14.293	ppbv	100
51) 2-Hexanone	7.435	43	541611	14.620	ppbv	100
52) Tetrachloroethene	8.228	164	233980	13.015	ppbv	99
53) Toluene	6.936	91	765216	13.915	ppbv	98
54) 1,2-Dibromoethane	7.652	107	359750	14.261	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.927	131	306952	13.994	ppbv	99
57) Chlorobenzene	8.924	112	565065	13.507	ppbv	98
58) Ethyl Benzene	9.357	91	1052303	13.985	ppbv	99
59) m/p-Xylene	9.535	91	880462	14.831	ppbv #	100
60) o-Xylene	9.966	91	808098	13.629	ppbv	100
61) Styrene	9.872	104	401899	14.330	ppbv	99
62) Isopropylbenzene	10.542	105	1198767	13.564	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.966	83	403038	12.932	ppbv	100
64) n-propylbenzene	10.992	120	318541	13.793	ppbv	97
65) tert-Butylbenzene	11.532	119	1033382	13.146	ppbv	100
66) Benzyl Chloride	11.616	91	113549	13.767	ppbv	99
67) sec-Butylbenzene	11.769	105	1454158	13.276	ppbv	99
69) p-Isopropyltoluene	11.927	119	1228773	13.280	ppbv	100
70) n-Butylbenzene	12.283	91	1239042	13.716	ppbv	99
71) 2-Chlorotoluene	10.904	91	916456	13.733	ppbv	100
72) 4-Ethyltoluene	11.128	105	1014567	13.662	ppbv	99
73) 1,3,5-Trimethylbenzene	11.205	105	845958	14.046	ppbv	98
74) 1,2,4-Trimethylbenzene	11.539	105	889339	13.372	ppbv	97
75) 1,3-Dichlorobenzene	11.610	146	568597	13.785	ppbv	100
76) 1,4-Dichlorobenzene	11.675	146	570104	13.916	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	536286	13.665	ppbv	100
78) Hexachloro-1,3-Butadiene	13.882	225	377435	12.296	ppbv	99
79) Naphthalene	13.513	128	920123	15.645	ppbv	100
80) Naphthalene,2-methyl-	14.458	142	277792	15.290	ppbv	99
81) 1,2,4-Trichlorobenzene	13.442	180	473767	15.066	ppbv	99

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

Quant Time: Sep 23 02:14:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
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QLast Update : Tue Sep 23 02:07:33 2025
Response via : Initial Calibration

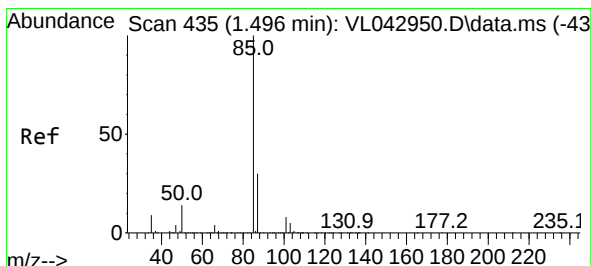
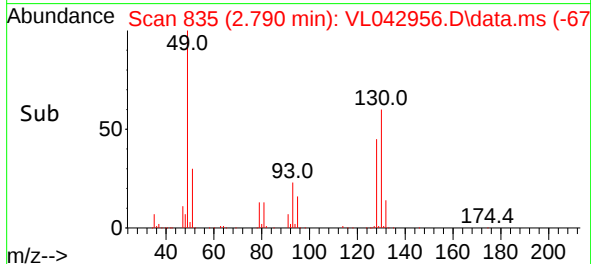
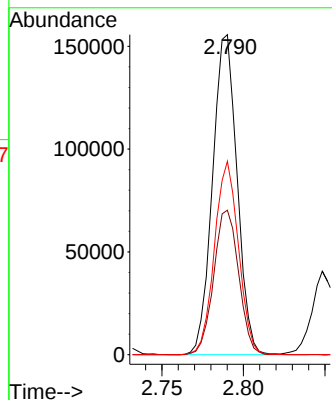
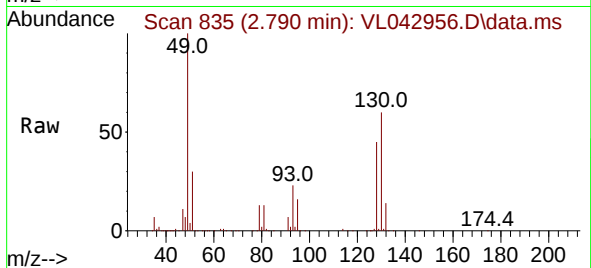




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042956.D
Acq: 22 Sep 2025 13:05

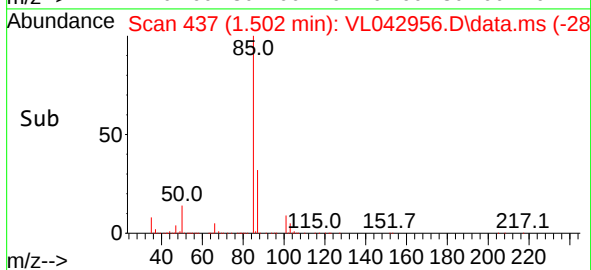
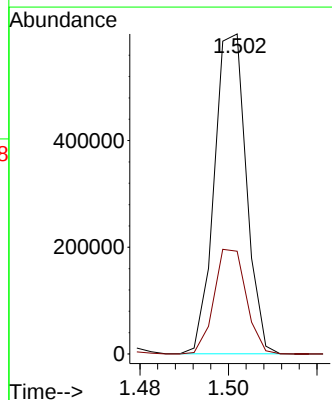
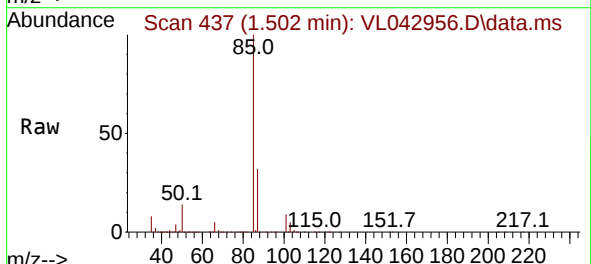
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

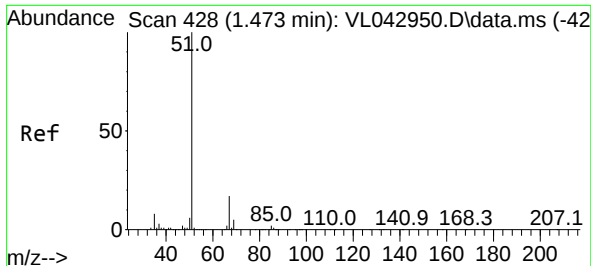
Tgt Ion: 49 Resp: 162846
Ion Ratio Lower Upper
49 100
128 45.9 22.9 68.8
130 59.1 29.1 87.3



#2
Dichlorodifluoromethane
Concen: 13.740 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.006 min
Lab File: VL042956.D
Acq: 22 Sep 2025 13:05

Tgt Ion: 85 Resp: 300946
Ion Ratio Lower Upper
85 100
87 32.1 24.3 36.5

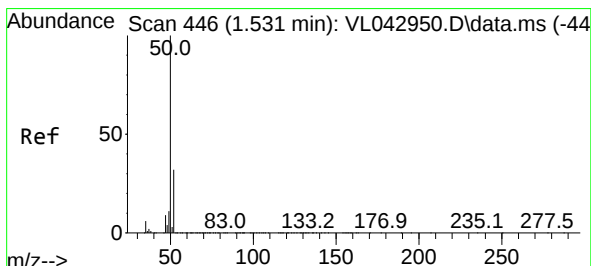
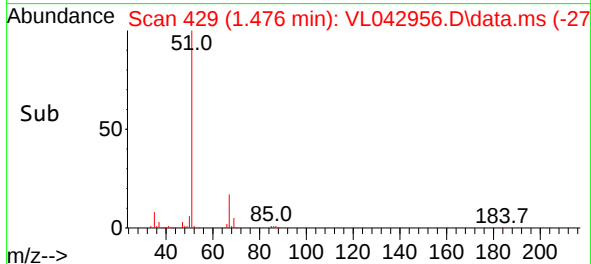
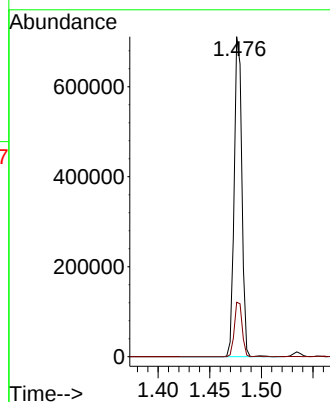
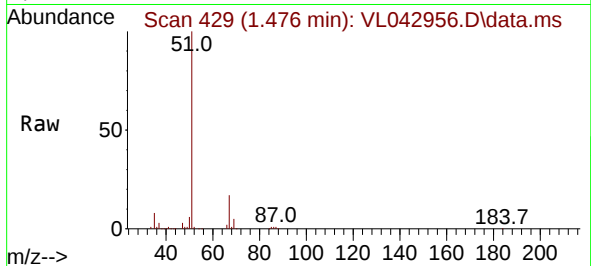




#3
Chlorodifluoromethane
Concen: 13.369 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042956.D
Acq: 22 Sep 2025 13:05

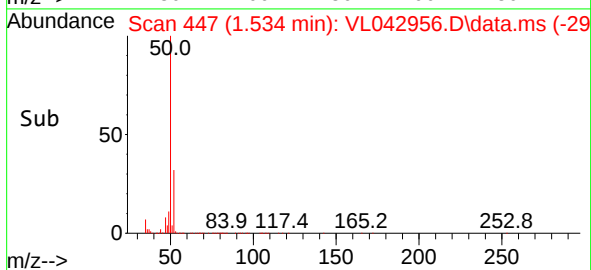
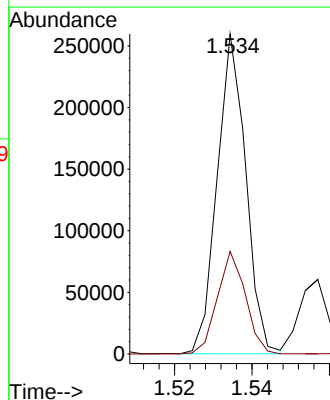
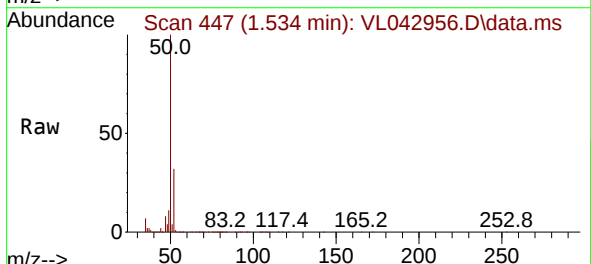
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

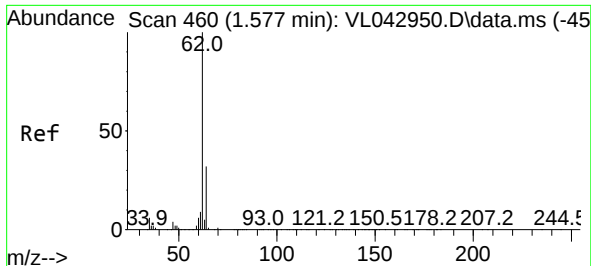
Tgt Ion: 51 Resp: 364959
Ion Ratio Lower Upper
51 100
67 17.5 13.8 20.8



#4
Chloromethane
Concen: 13.439 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042956.D
Acq: 22 Sep 2025 13:05

Tgt Ion: 50 Resp: 133240
Ion Ratio Lower Upper
50 100
52 32.0 25.9 38.9

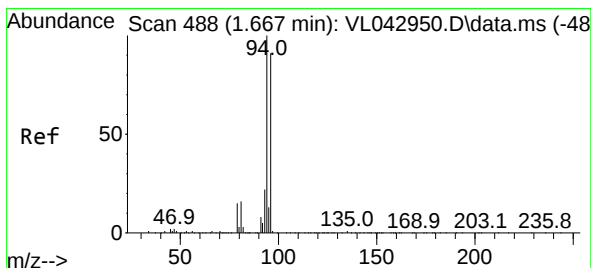
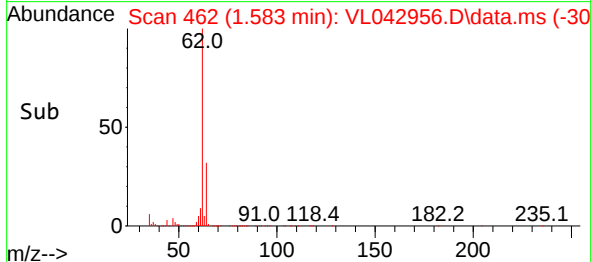
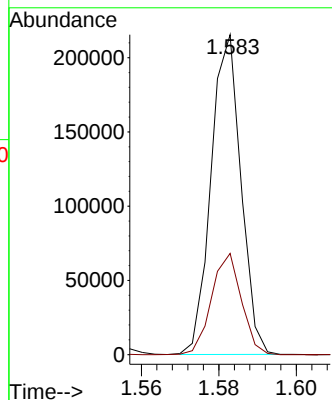
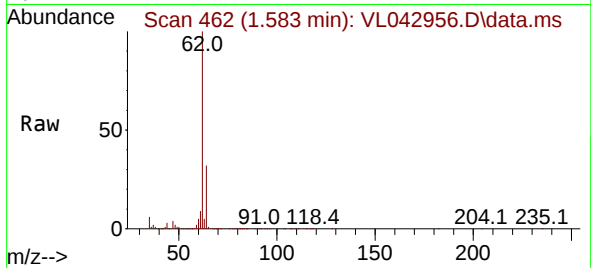




#5
 Vinyl Chloride
 Concen: 12.860 ppbv
 RT: 1.583 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VL042956.D
 Acq: 22 Sep 2025 13:05

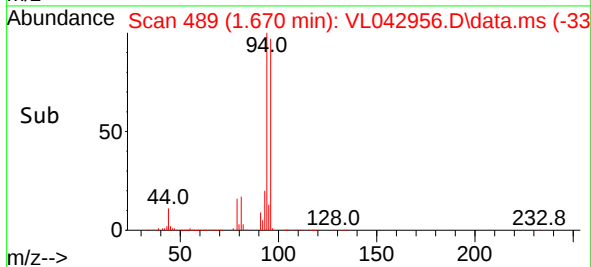
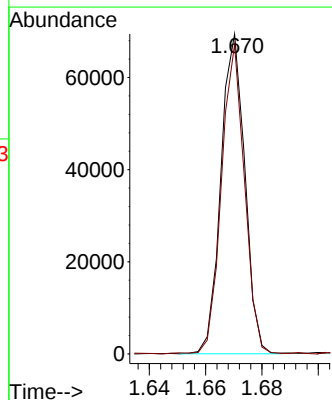
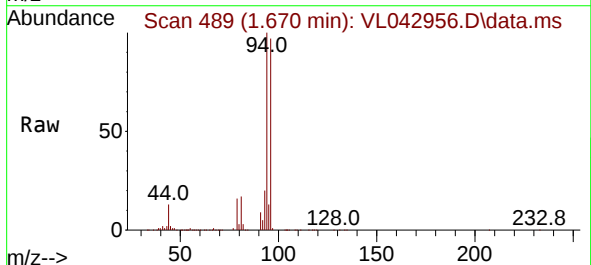
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC015

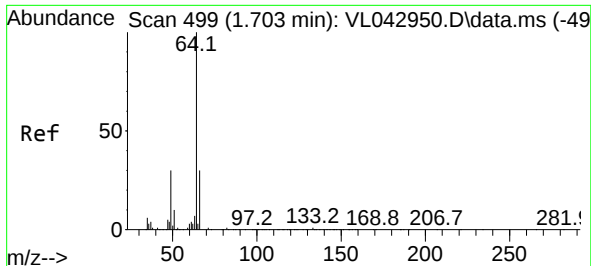
Tgt Ion: 62 Resp: 115257
 Ion Ratio Lower Upper
 62 100
 64 31.7 25.4 38.2



#6
 Bromomethane
 Concen: 12.925 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. 0.003 min
 Lab File: VL042956.D
 Acq: 22 Sep 2025 13:05

Tgt Ion: 94 Resp: 40861
 Ion Ratio Lower Upper
 94 100
 96 96.7 72.6 108.8

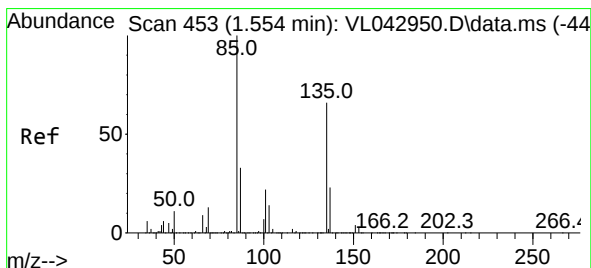
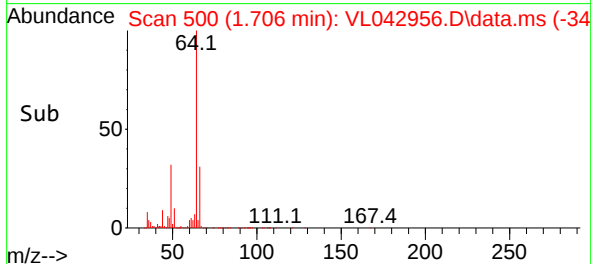
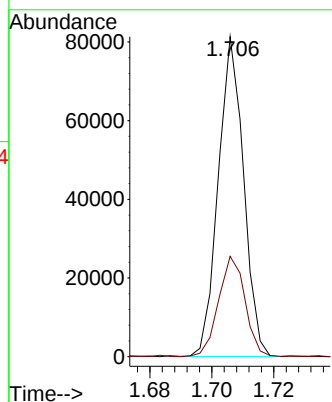
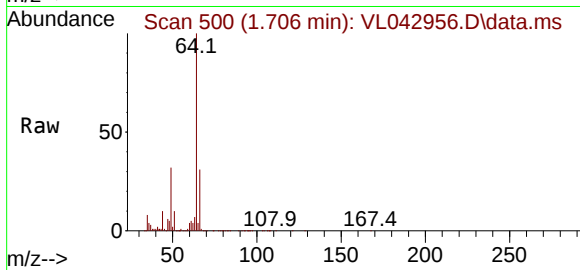




#7
Chloroethane
Concen: 13.241 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL042956.D
Acq: 22 Sep 2025 13:05

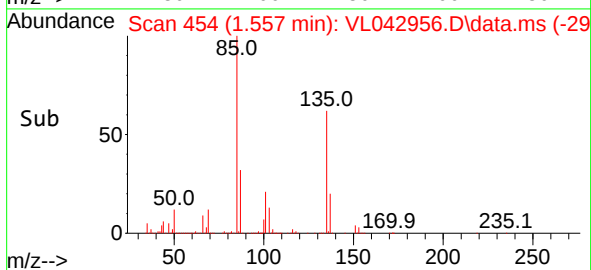
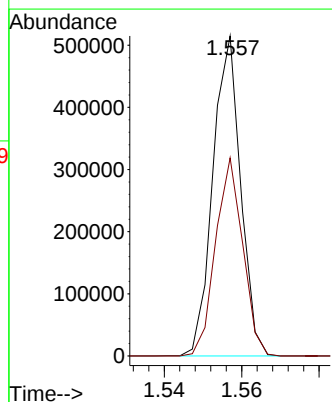
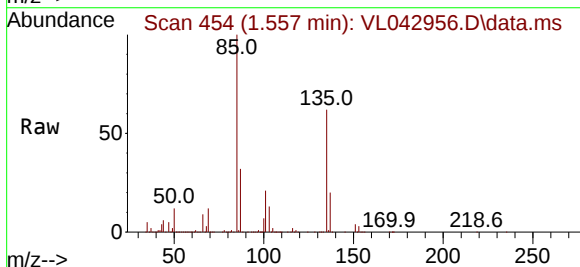
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ClientSampleId :
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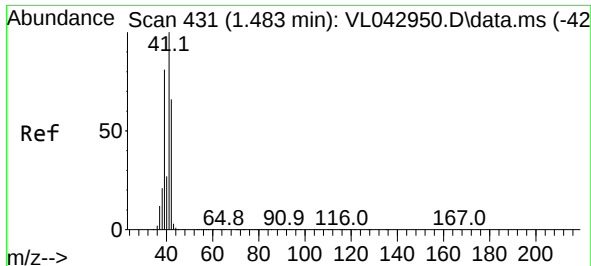
Tgt Ion: 64 Resp: 46081
Ion Ratio Lower Upper
64 100
66 31.3 24.6 36.8



#8
Dichlorotetrafluoroethane
Concen: 13.682 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL042956.D
Acq: 22 Sep 2025 13:05

Tgt Ion: 85 Resp: 255815
Ion Ratio Lower Upper
85 100
135 60.8 49.7 74.5





#9

Propene

Concen: 12.973 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042956.D

Acq: 22 Sep 2025 13:05

Instrument :

MSVOA_L

ClientSampleId :

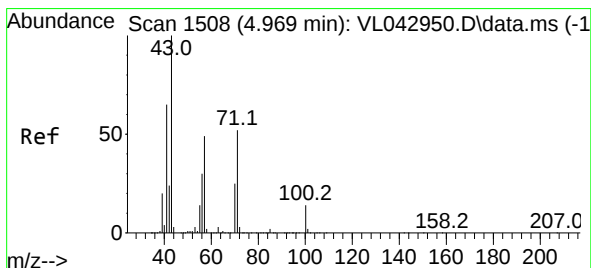
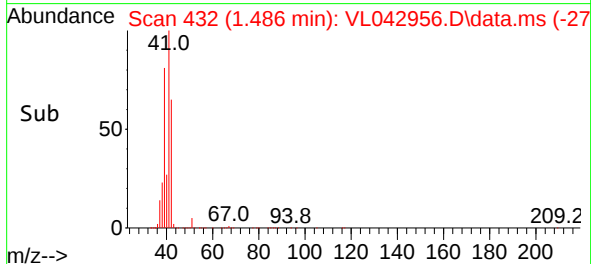
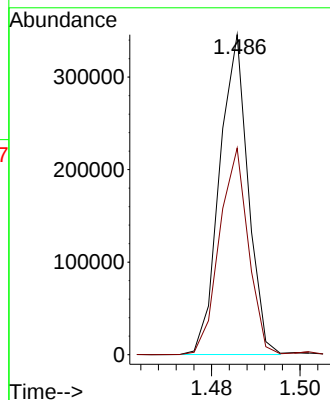
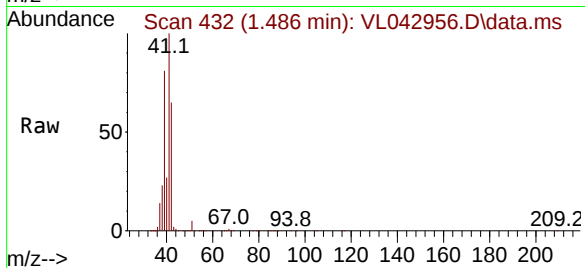
VSTDIC015

Tgt Ion: 41 Resp: 154069

Ion Ratio Lower Upper

41 100

42 67.1 57.4 86.2



#10

Heptane

Concen: 13.327 ppbv

RT: 4.985 min Scan# 1513

Delta R.T. 0.016 min

Lab File: VL042956.D

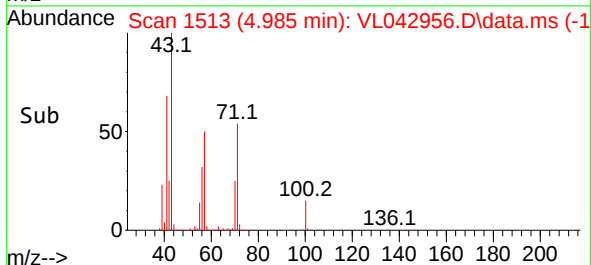
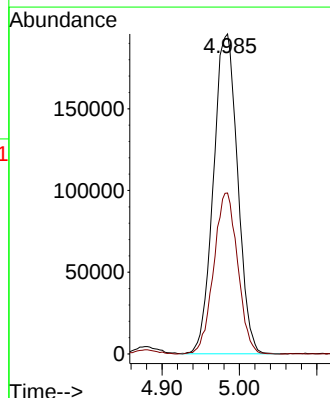
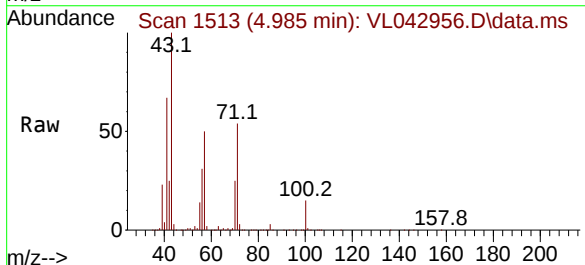
Acq: 22 Sep 2025 13:05

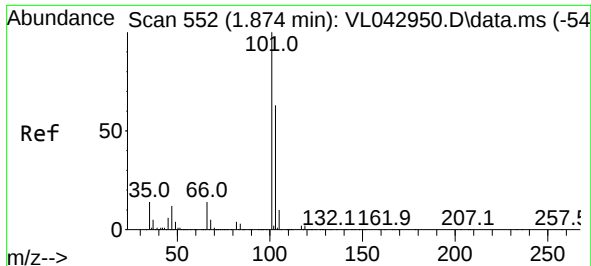
Tgt Ion: 43 Resp: 424500

Ion Ratio Lower Upper

43 100

57 49.8 38.6 57.8

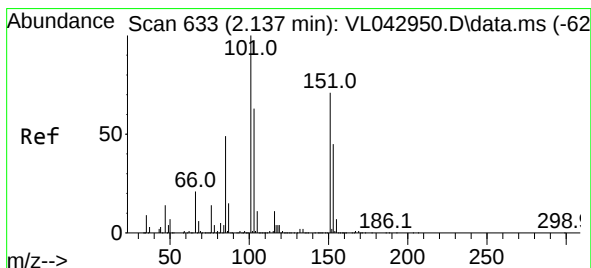
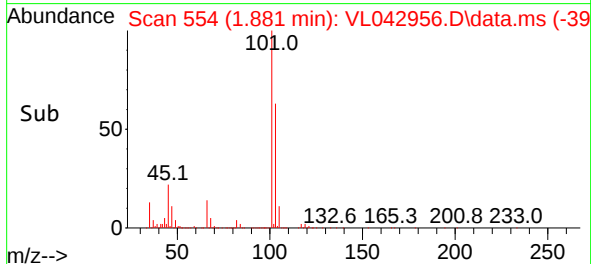
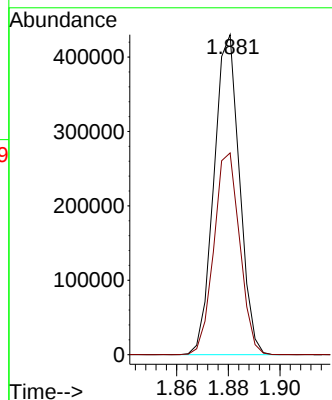
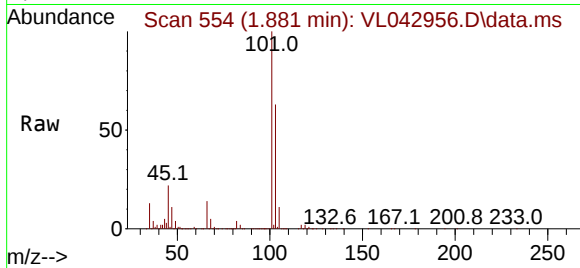




#11
 Trichlorofluoromethane
 Concen: 13.991 ppbv
 RT: 1.881 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VL042956.D
 Acq: 22 Sep 2025 13:05

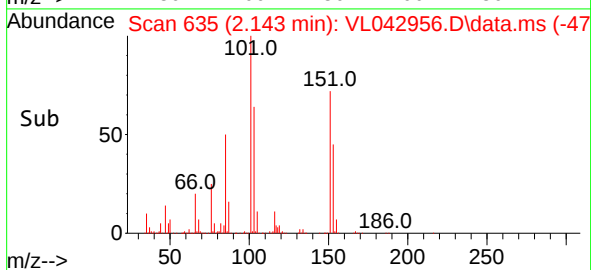
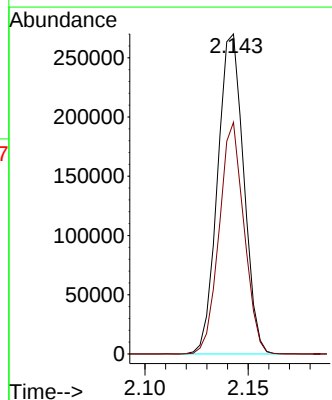
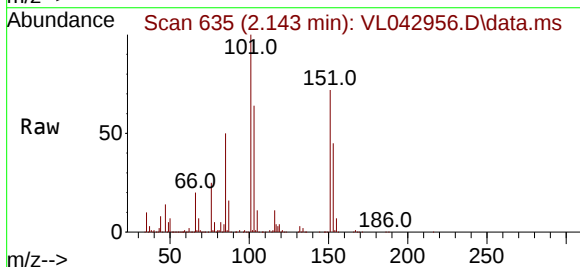
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC015

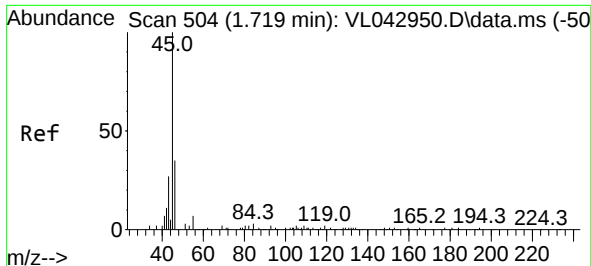
Tgt Ion:101 Resp: 295479
 Ion Ratio Lower Upper
 101 100
 103 63.0 50.1 75.1



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 13.894 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. 0.006 min
 Lab File: VL042956.D
 Acq: 22 Sep 2025 13:05

Tgt Ion:101 Resp: 237615
 Ion Ratio Lower Upper
 101 100
 151 68.7 55.7 83.5

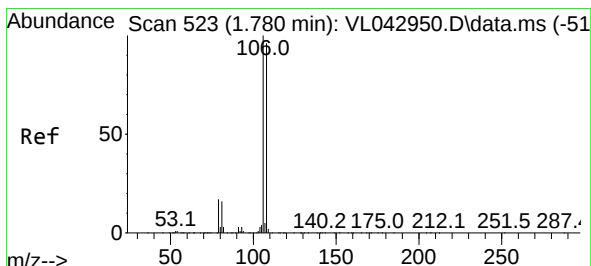
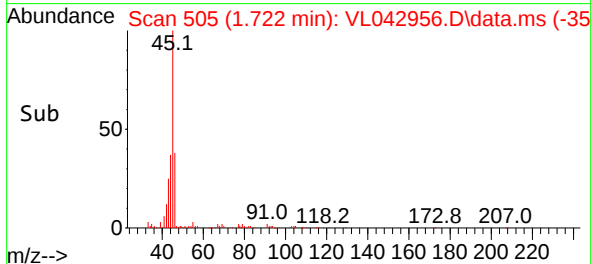
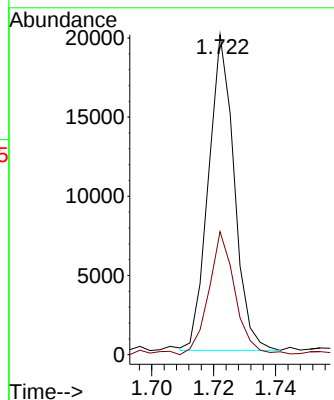
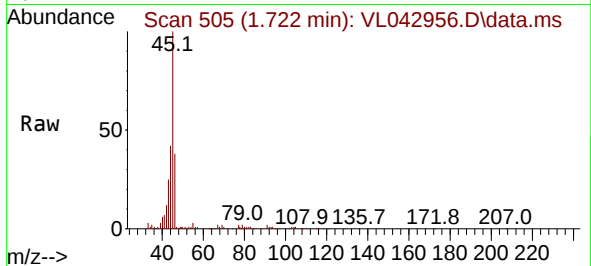




#13
Ethanol
Concen: 10.105 ppbv
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL042956.D
Acq: 22 Sep 2025 13:05

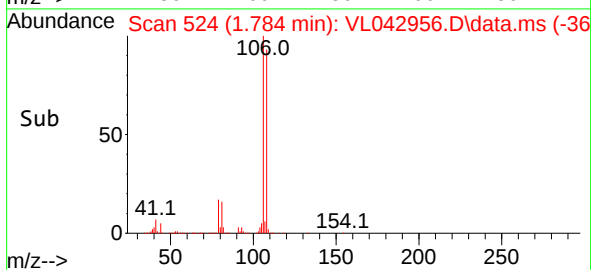
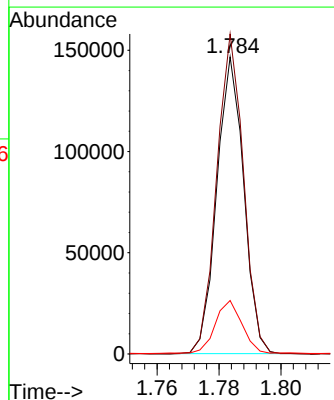
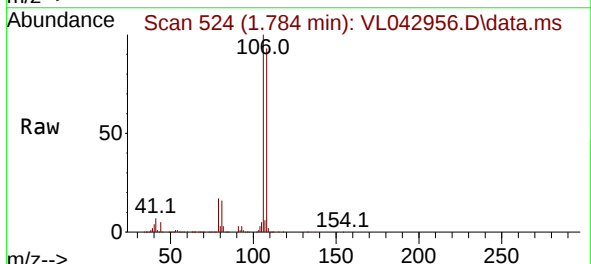
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

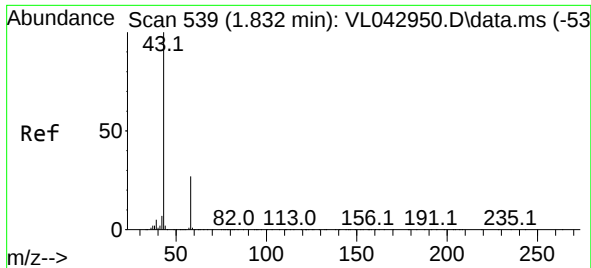
Tgt Ion: 45 Resp: 11502
Ion Ratio Lower Upper
45 100
46 39.5 16.2 64.6



#14
Bromoethene
Concen: 13.668 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.003 min
Lab File: VL042956.D
Acq: 22 Sep 2025 13:05

Tgt Ion: 108 Resp: 88375
Ion Ratio Lower Upper
108 100
106 107.4 86.0 129.0
79 18.1 14.2 21.2

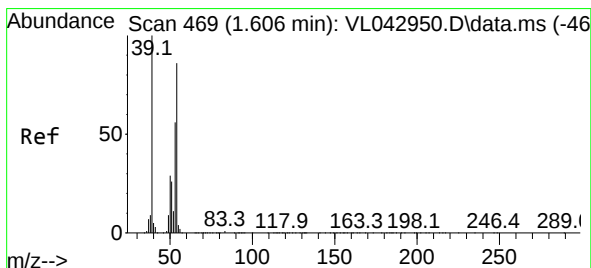
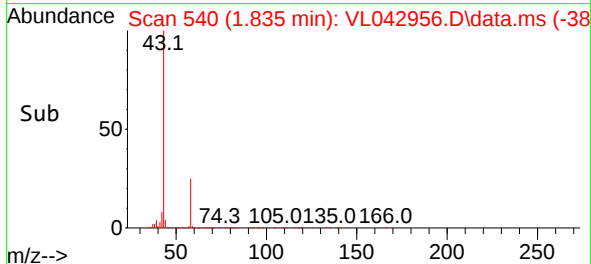
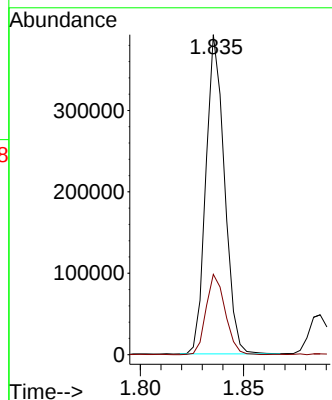
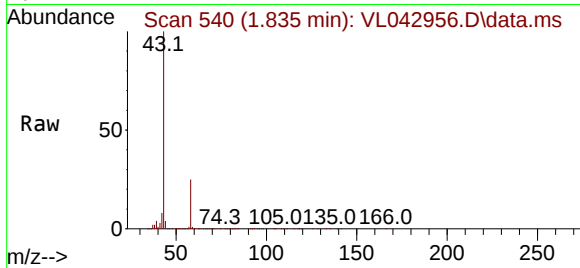




#15
Acetone
Concen: 11.545 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042956.D
Acq: 22 Sep 2025 13:05

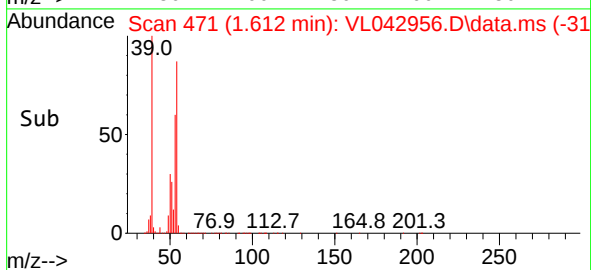
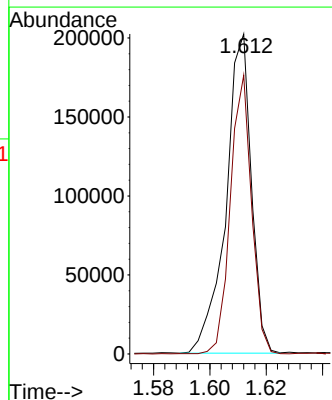
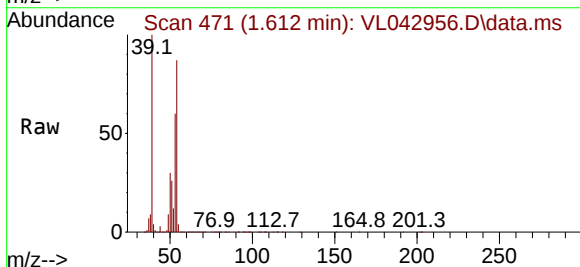
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

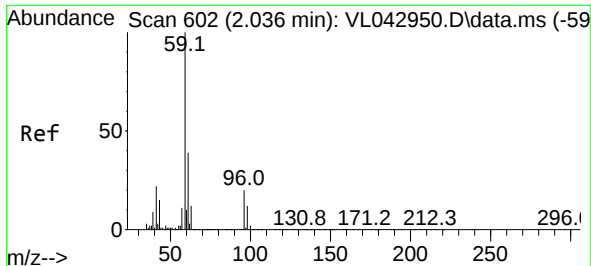
Tgt Ion: 43 Resp: 244861
Ion Ratio Lower Upper
43 100
58 26.2 22.3 33.5



#16
1,3-Butadiene
Concen: 12.661 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.006 min
Lab File: VL042956.D
Acq: 22 Sep 2025 13:05

Tgt Ion: 39 Resp: 126670
Ion Ratio Lower Upper
39 100
54 73.2 60.8 91.2





#17

tert-Butyl alcohol

Concen: 13.255 ppbv

RT: 2.039 min Scan# 602

Delta R.T. 0.003 min

Lab File: VL042956.D

Acq: 22 Sep 2025 13:05

Instrument :

MSVOA_L

ClientSampleId :

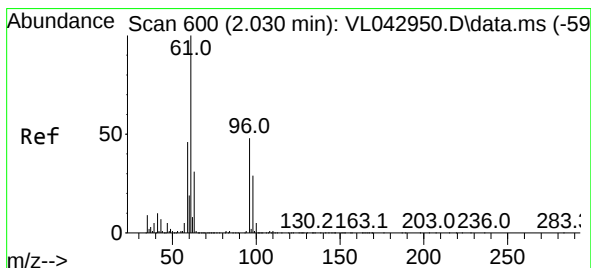
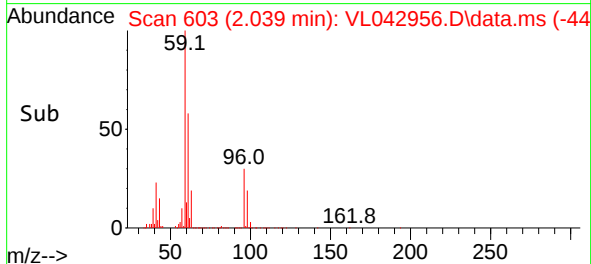
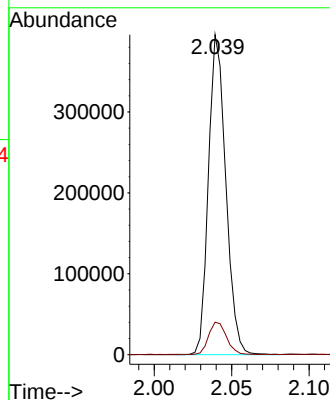
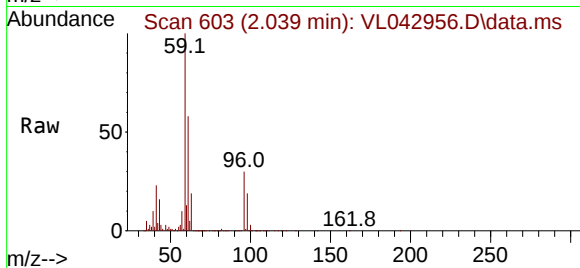
VSTDIC015

Tgt Ion: 59 Resp: 308347

Ion Ratio Lower Upper

59 100

57 10.5 8.6 12.8



#18

1,1-Dichloroethene

Concen: 13.796 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.006 min

Lab File: VL042956.D

Acq: 22 Sep 2025 13:05

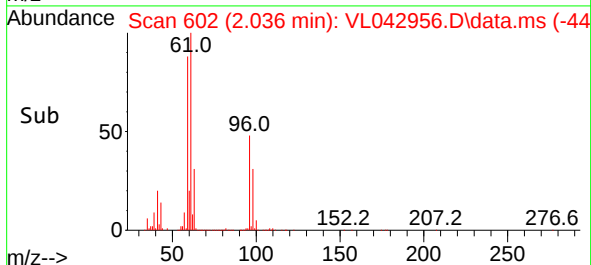
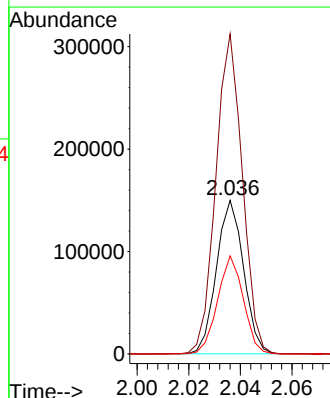
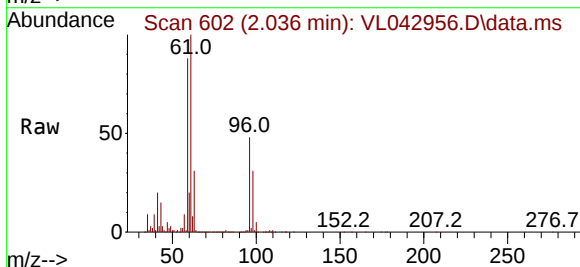
Tgt Ion: 96 Resp: 109211

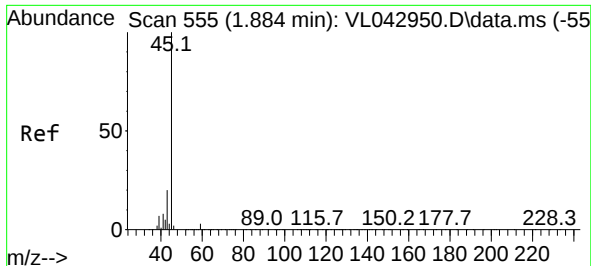
Ion Ratio Lower Upper

96 100

61 208.5 166.2 249.4

98 63.9 48.6 73.0

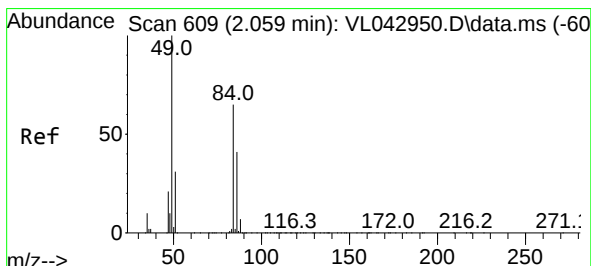
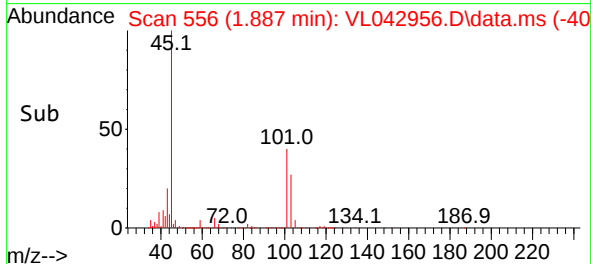
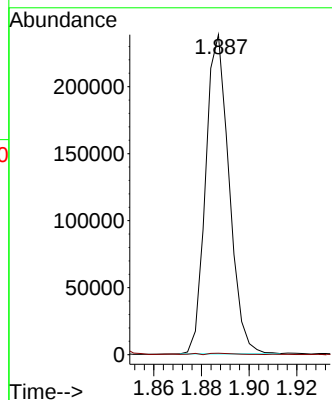
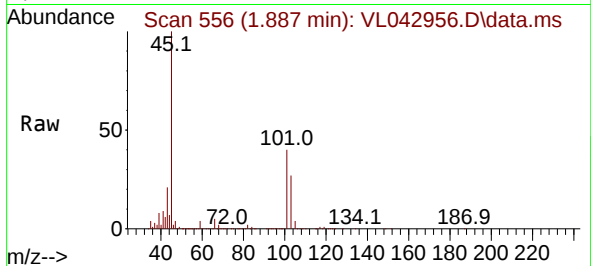




#19
Isopropyl Alcohol
Concen: 12.780 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042956.D
Acq: 22 Sep 2025 13:05

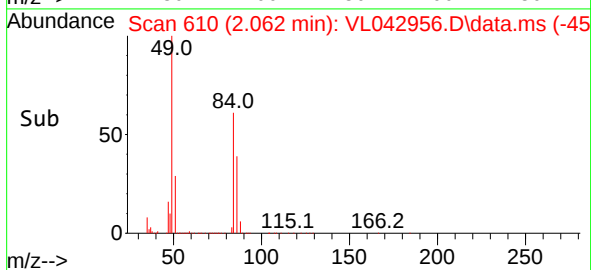
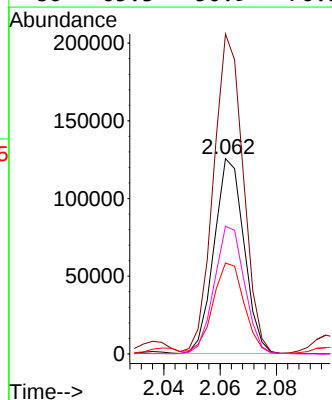
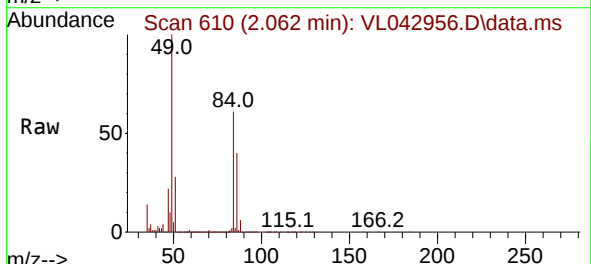
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC015

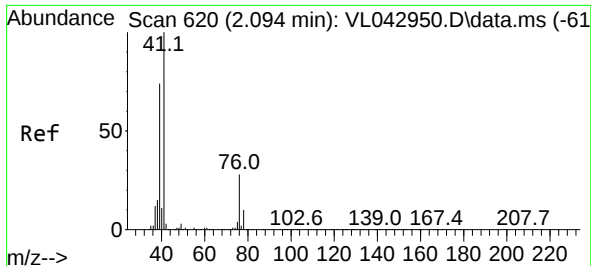
Tgt Ion: 45 Resp: 162952
Ion Ratio Lower Upper
45 100
58 39.0 31.0 46.6



#20
Methylene Chloride
Concen: 14.996 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042956.D
Acq: 22 Sep 2025 13:05

Tgt Ion: 84 Resp: 92708
Ion Ratio Lower Upper
84 100
49 163.6 124.1 186.1
51 46.4 39.8 59.8
86 65.3 50.9 76.3

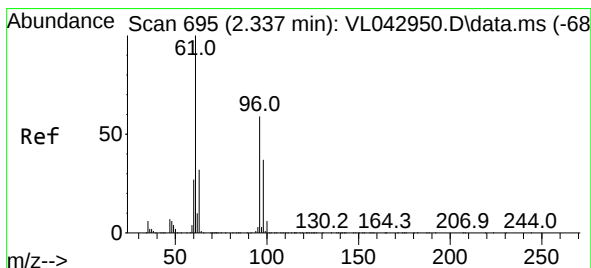
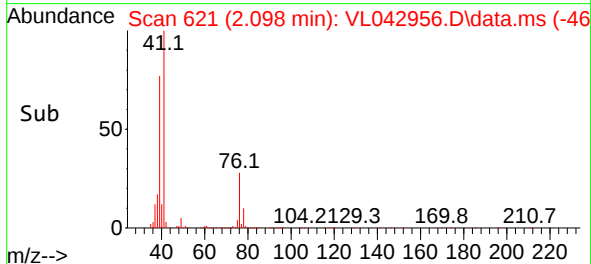
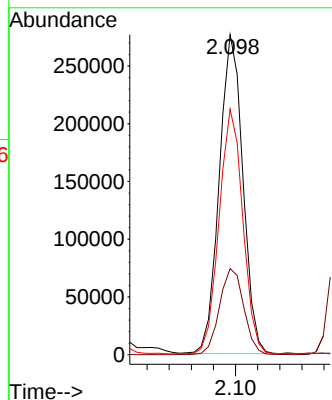
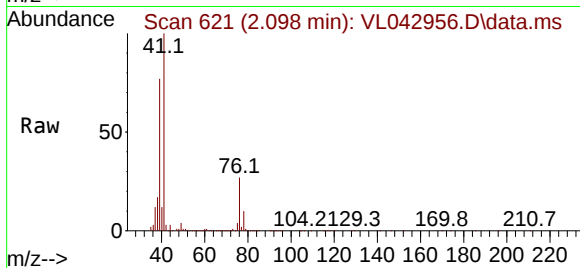




#21
 Allyl Chloride
 Concen: 13.848 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL042956.D
 Acq: 22 Sep 2025 13:05

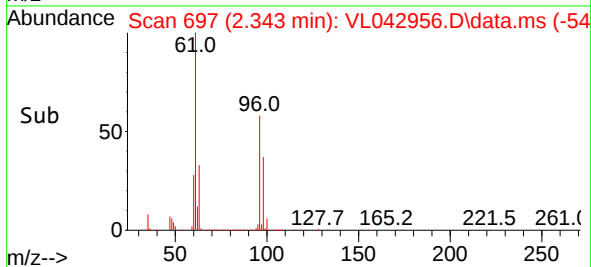
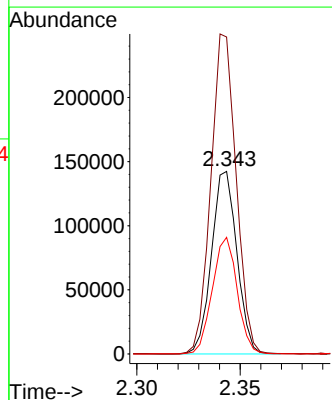
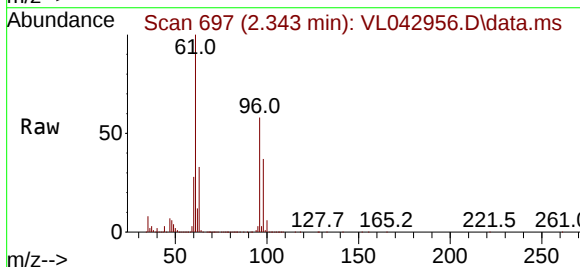
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

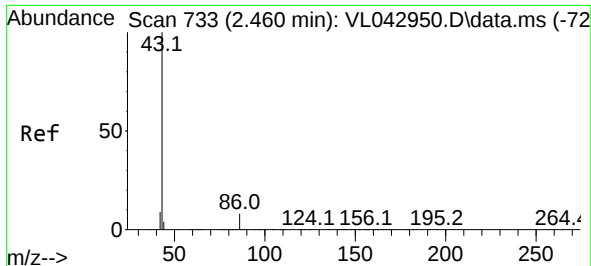
Tgt Ion: 41 Resp: 204552
 Ion Ratio Lower Upper
 41 100
 76 27.8 22.3 33.5
 39 76.9 61.3 91.9



#22
 trans-1,2-Dichloroethene
 Concen: 13.542 ppbv
 RT: 2.343 min Scan# 697
 Delta R.T. 0.006 min
 Lab File: VL042956.D
 Acq: 22 Sep 2025 13:05

Tgt Ion: 96 Resp: 121815
 Ion Ratio Lower Upper
 96 100
 61 173.4 136.5 204.7
 98 63.8 50.6 76.0



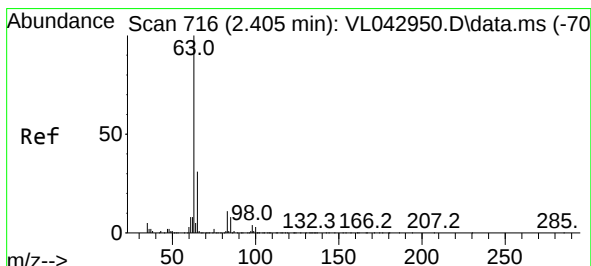
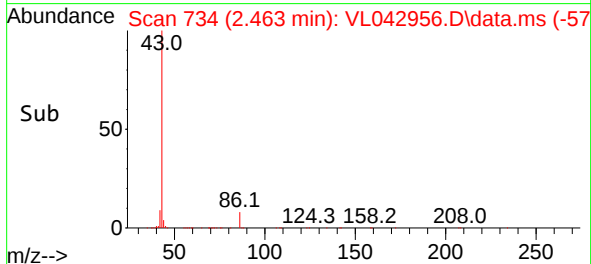
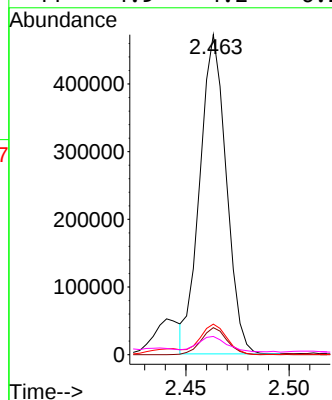
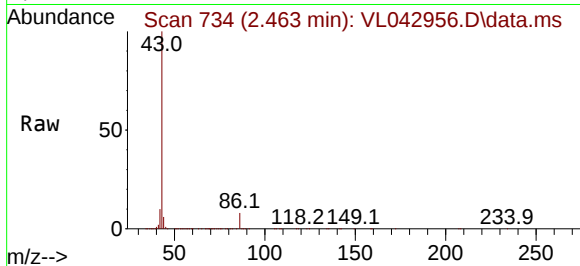


#23
 Vinyl Acetate
 Concen: 13.837 ppbv
 RT: 2.463 min Scan# 718
 Delta R.T. 0.003 min
 Lab File: VL042956.D
 Acq: 22 Sep 2025 13:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion: 43 Resp: 419251

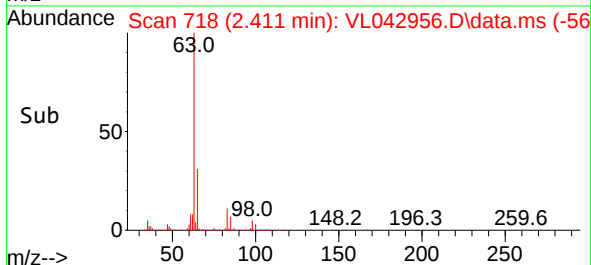
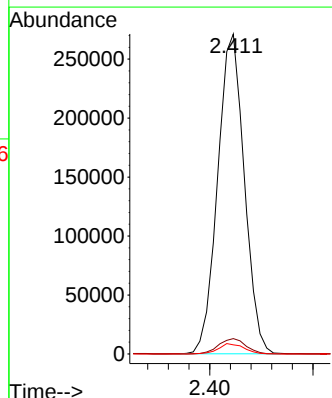
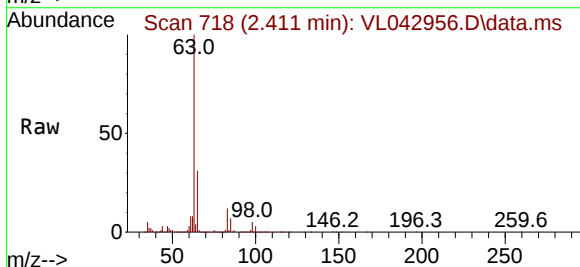
Ion	Ratio	Lower	Upper
43	100		
86	8.5	6.2	9.2
42	9.5	7.4	11.0
44	4.9	4.2	6.2

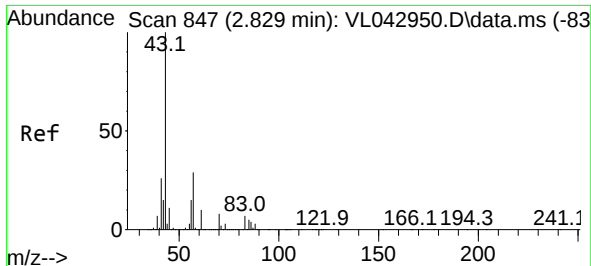


#24
 1,1-Dichloroethane
 Concen: 13.789 ppbv
 RT: 2.411 min Scan# 718
 Delta R.T. 0.006 min
 Lab File: VL042956.D
 Acq: 22 Sep 2025 13:05

Tgt Ion: 63 Resp: 243229

Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.2	6.6
100	2.9	1.4	4.0





#25

Ethyl Acetate

Concen: 13.514 ppbv

RT: 2.835 min Scan# 84

Delta R.T. 0.006 min

Lab File: VL042956.D

Acq: 22 Sep 2025 13:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 43 Resp: 724418

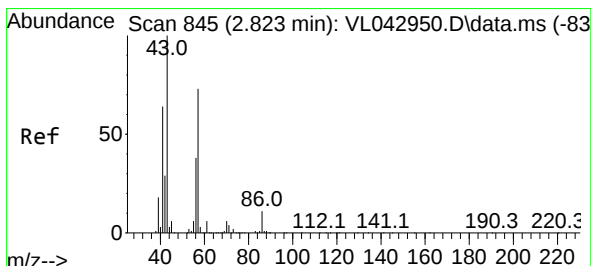
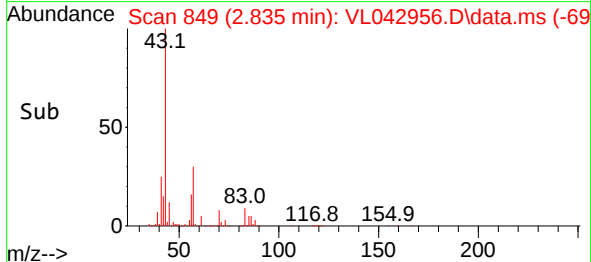
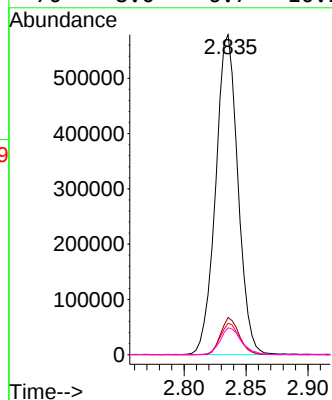
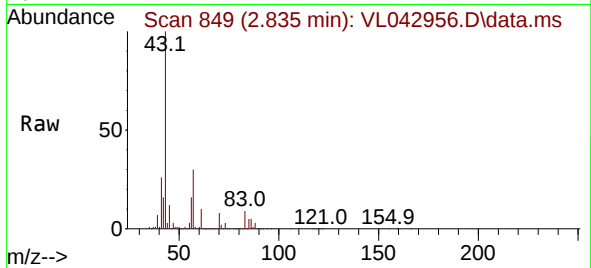
Ion Ratio Lower Upper

43 100

45 9.7 7.7 11.5

61 8.6 7.1 10.7

70 8.0 6.7 10.1



#26

Hexane

Concen: 13.166 ppbv

RT: 2.829 min Scan# 847

Delta R.T. 0.006 min

Lab File: VL042956.D

Acq: 22 Sep 2025 13:05

Tgt Ion: 57 Resp: 321710

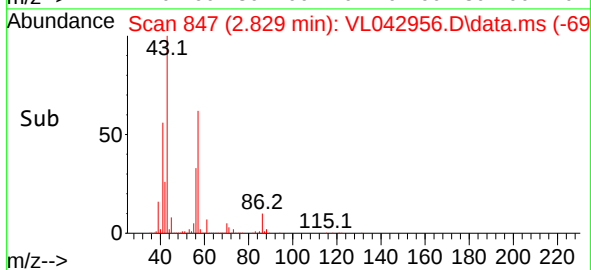
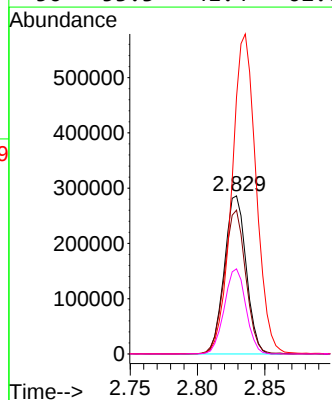
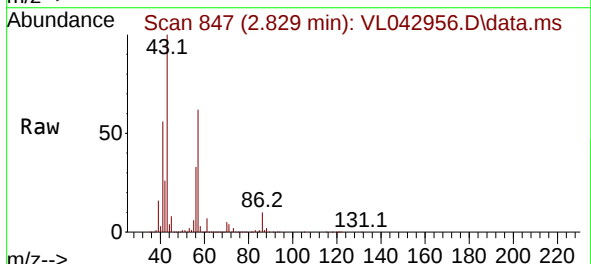
Ion Ratio Lower Upper

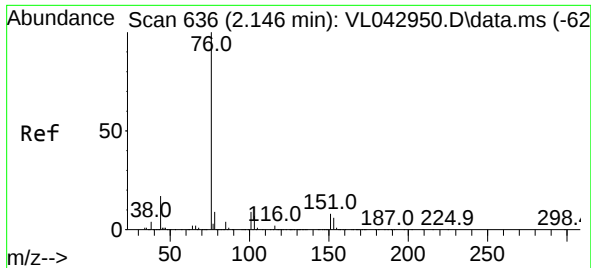
57 100

41 90.2 71.7 107.5

43 225.8 180.8 271.2

56 53.3 41.4 62.0

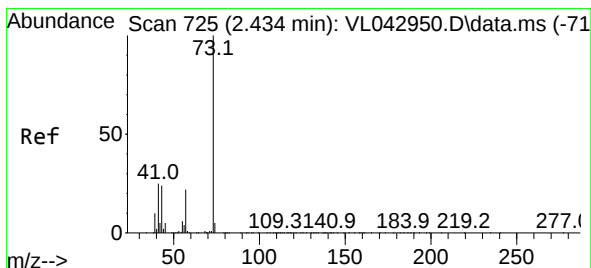
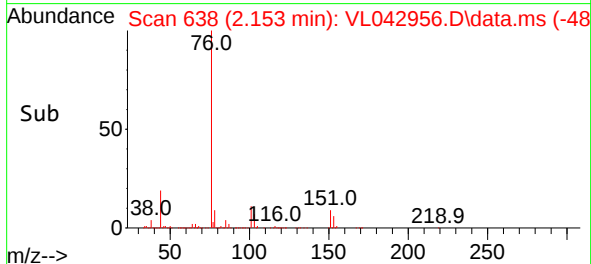
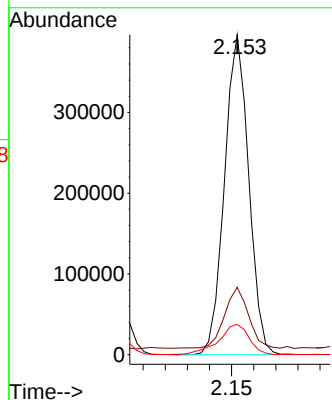
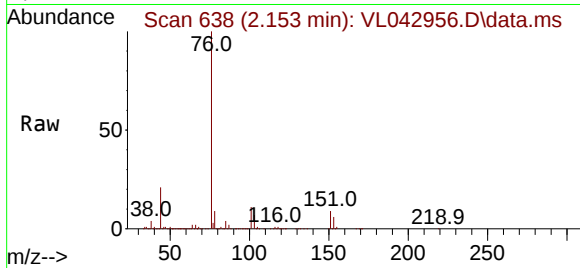




#27
Carbon Disulfide
Concen: 13.731 ppbv
RT: 2.153 min Scan# 61
Delta R.T. 0.006 min
Lab File: VL042956.D
Acq: 22 Sep 2025 13:05

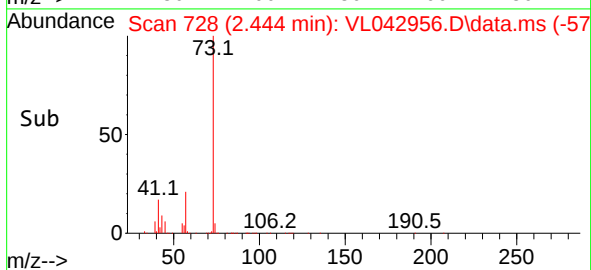
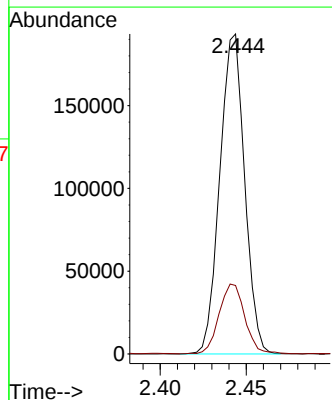
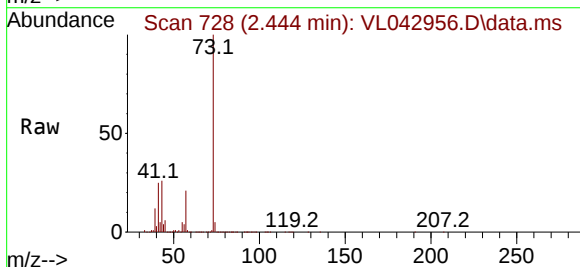
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

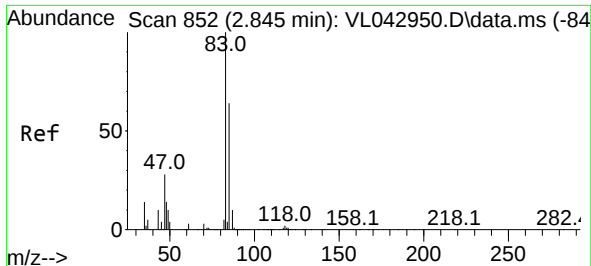
Tgt Ion: 76 Resp: 300931
Ion Ratio Lower Upper
76 100
44 21.4 15.6 23.4
78 11.8 8.9 13.3



#28
Methyl tert-Butyl Ether
Concen: 15.267 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.010 min
Lab File: VL042956.D
Acq: 22 Sep 2025 13:05

Tgt Ion: 73 Resp: 193915
Ion Ratio Lower Upper
73 100
57 22.6 20.6 31.0





#29

Chloroform

Concen: 13.796 ppbv

RT: 2.852 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL042956.D

Acq: 22 Sep 2025 13:05

Instrument :

MSVOA_L

ClientSampleId :

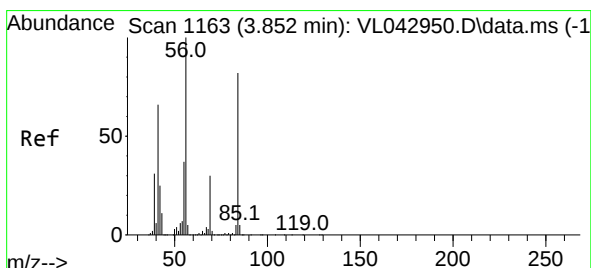
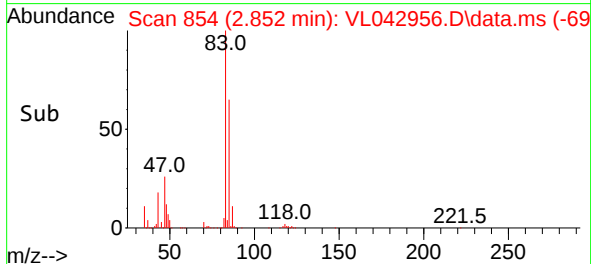
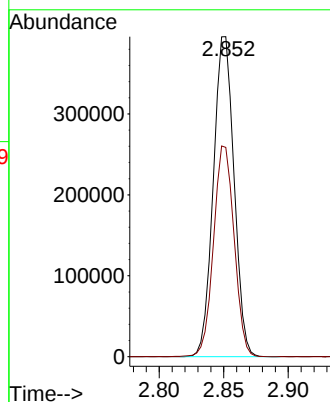
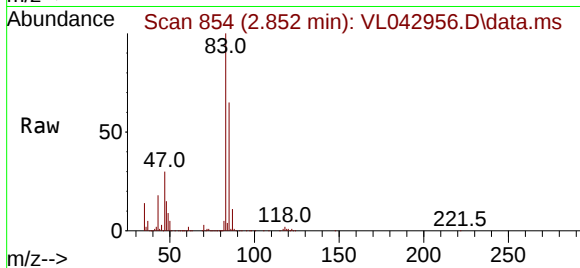
VSTDIC015

Tgt Ion: 83 Resp: 440772

Ion Ratio Lower Upper

83 100

85 65.4 51.2 76.8



#30

Cyclohexane

Concen: 13.800 ppbv

RT: 3.858 min Scan# 1165

Delta R.T. 0.006 min

Lab File: VL042956.D

Acq: 22 Sep 2025 13:05

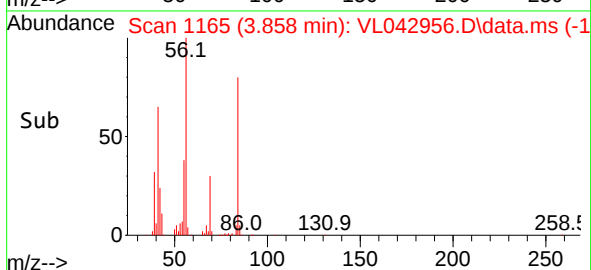
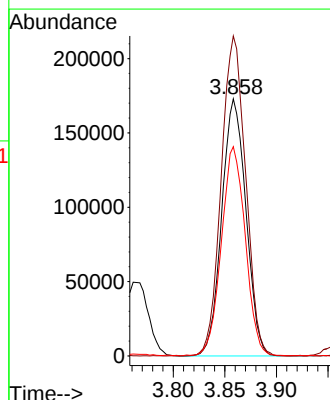
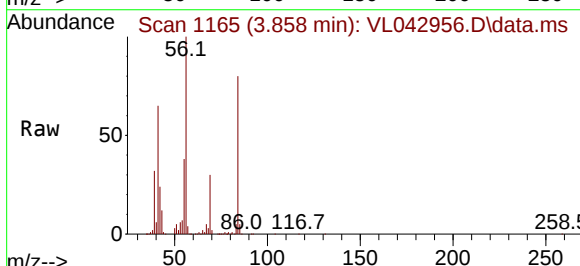
Tgt Ion: 84 Resp: 281932

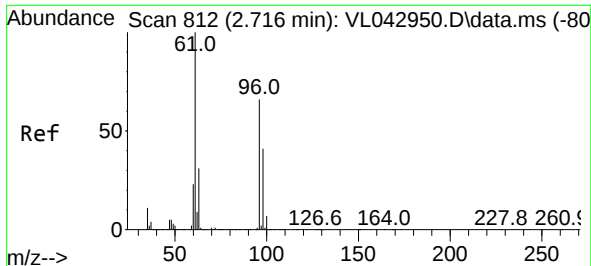
Ion Ratio Lower Upper

84 100

56 125.3 102.2 153.4

41 80.6 65.6 98.4

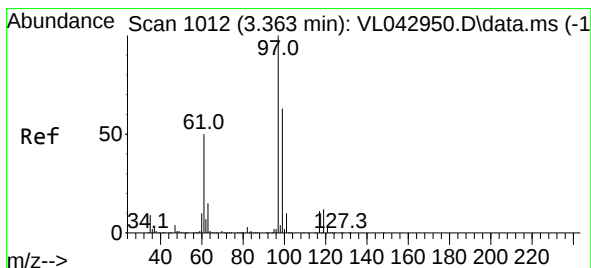
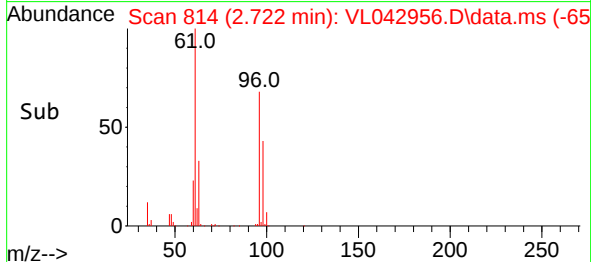
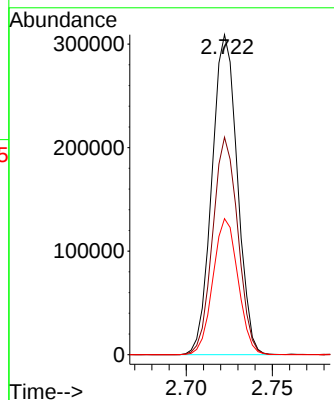
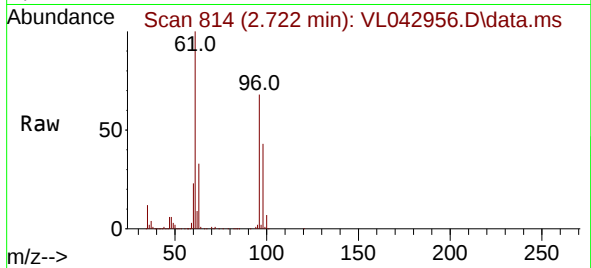




#31
 cis-1,2-Dichloroethene
 Concen: 13.869 ppbv
 RT: 2.722 min Scan# 812
 Delta R.T. 0.006 min
 Lab File: VL042956.D
 Acq: 22 Sep 2025 13:05

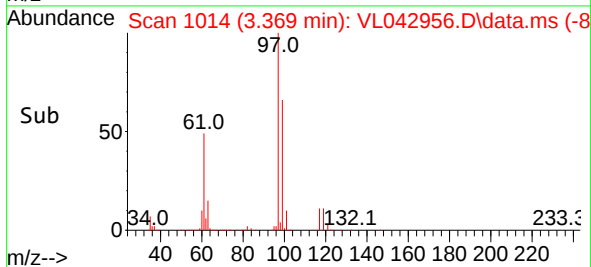
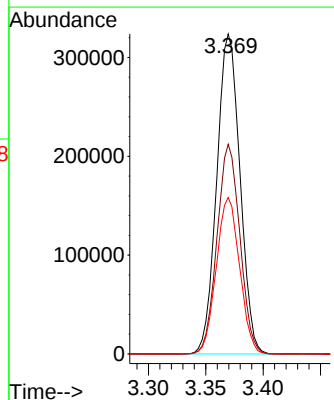
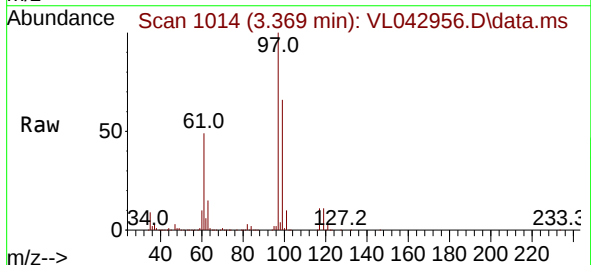
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

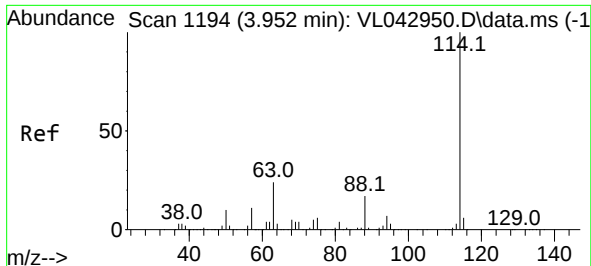
Tgt Ion: 61 Resp: 317456
 Ion Ratio Lower Upper
 61 100
 96 67.9 53.0 79.6
 98 42.5 32.9 49.3



#32
 1,1,1-Trichloroethane
 Concen: 13.178 ppbv
 RT: 3.369 min Scan# 1014
 Delta R.T. 0.006 min
 Lab File: VL042956.D
 Acq: 22 Sep 2025 13:05

Tgt Ion: 97 Resp: 456335
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.1 76.7
 61 49.1 39.8 59.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. 0.006 min

Lab File: VL042956.D

Acq: 22 Sep 2025 13:05

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC015

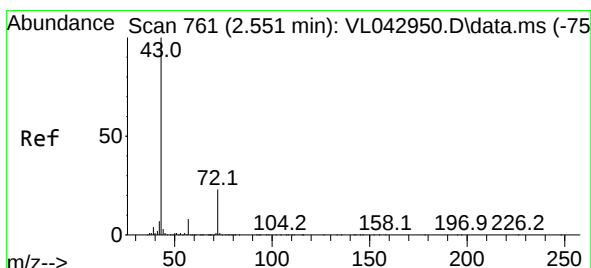
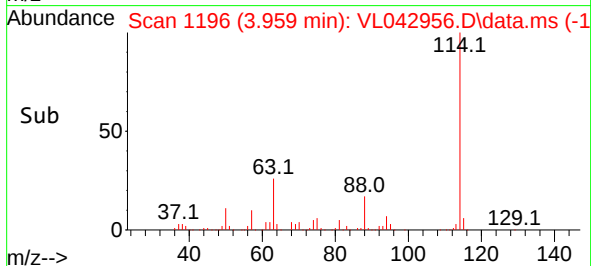
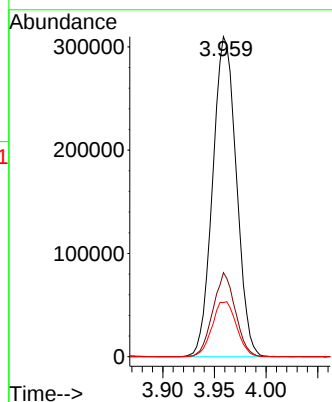
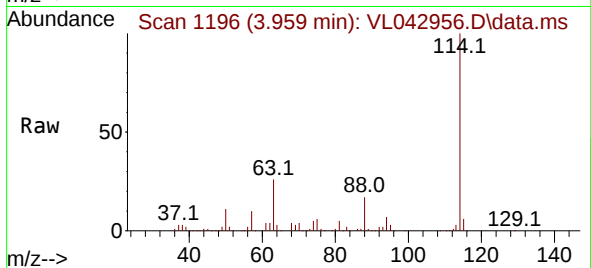
Tgt Ion:114 Resp: 494779

Ion Ratio Lower Upper

114 100

63 24.8 19.4 29.2

88 17.7 14.2 21.2



#34

2-Butanone

Concen: 13.551 ppbv

RT: 2.557 min Scan# 763

Delta R.T. 0.006 min

Lab File: VL042956.D

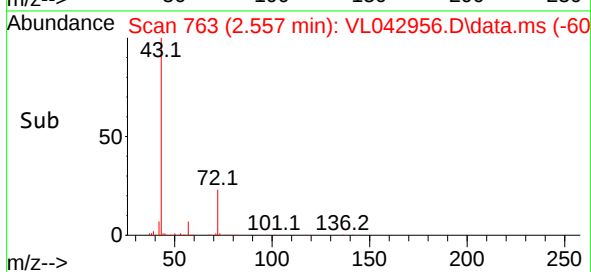
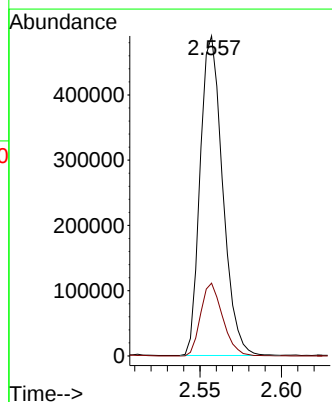
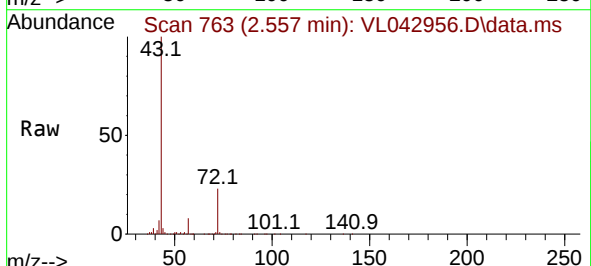
Acq: 22 Sep 2025 13:05

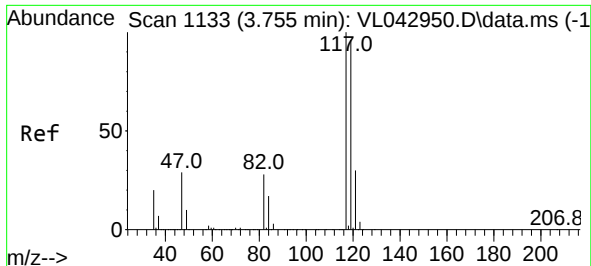
Tgt Ion: 43 Resp: 469872

Ion Ratio Lower Upper

43 100

72 22.4 17.7 26.5

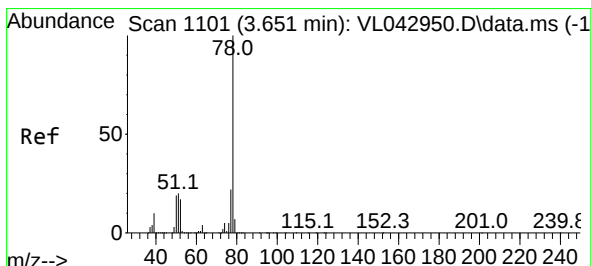
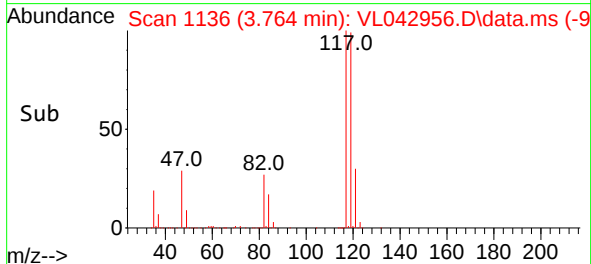
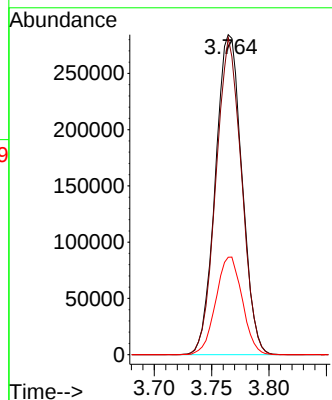
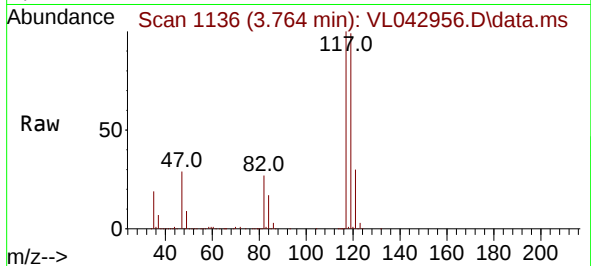




#35
Carbon Tetrachloride
Concen: 14.385 ppbv
RT: 3.764 min Scan# 1133
Delta R.T. 0.010 min
Lab File: VL042956.D
Acq: 22 Sep 2025 13:05

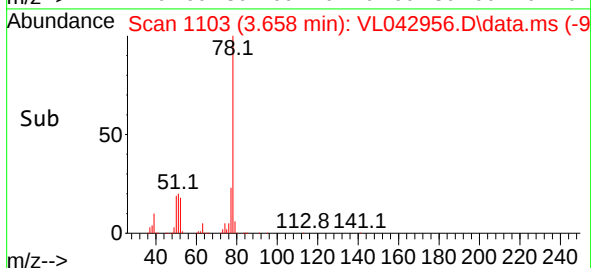
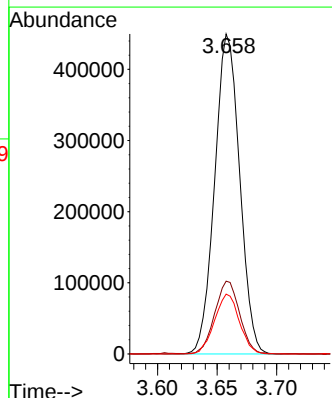
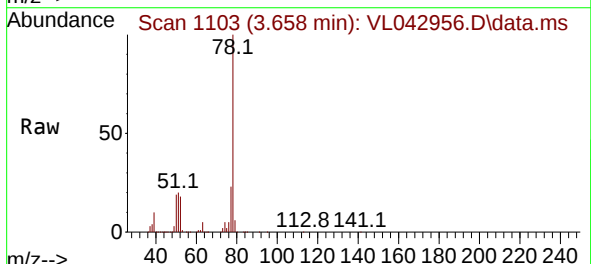
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

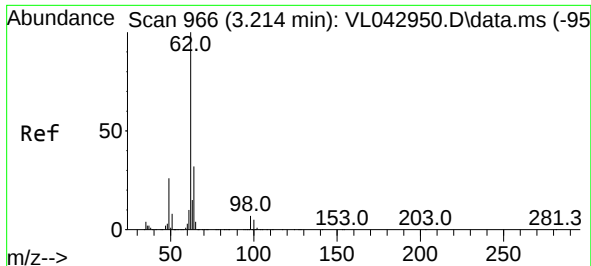
Tgt Ion:117 Resp: 457985
Ion Ratio Lower Upper
117 100
119 99.0 76.9 115.3
121 30.4 23.7 35.5



#36
Benzene
Concen: 14.080 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VL042956.D
Acq: 22 Sep 2025 13:05

Tgt Ion: 78 Resp: 654205
Ion Ratio Lower Upper
78 100
77 22.7 17.8 26.6
50 18.7 15.0 22.4





#37

1,2-Dichloroethane

Concen: 14.358 ppbv

RT: 3.221 min Scan# 9

Delta R.T. 0.006 min

Lab File: VL042956.D

Acq: 22 Sep 2025 13:05

Instrument :

MSVOA_L

ClientSampleId :

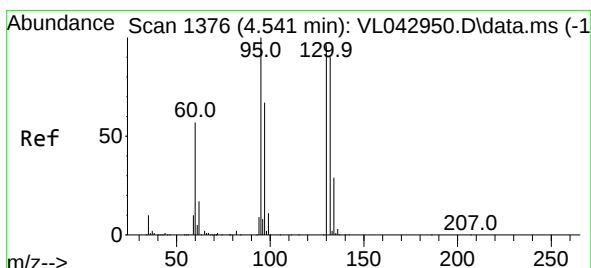
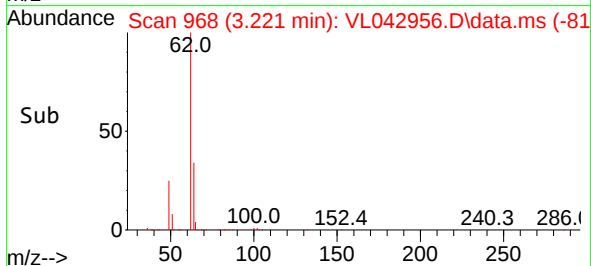
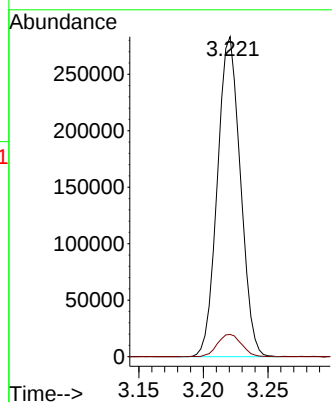
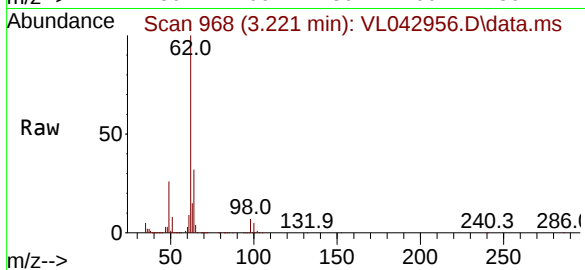
VSTDIC015

Tgt Ion: 62 Resp: 350841

Ion Ratio Lower Upper

62 100

98 7.3 5.9 8.9



#38

Trichloroethene

Concen: 13.450 ppbv

RT: 4.548 min Scan# 1378

Delta R.T. 0.006 min

Lab File: VL042956.D

Acq: 22 Sep 2025 13:05

Tgt Ion:130 Resp: 310602

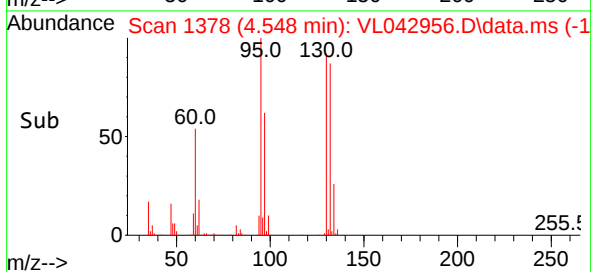
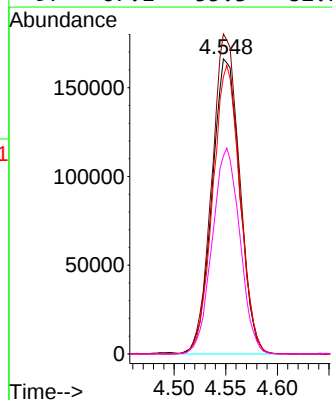
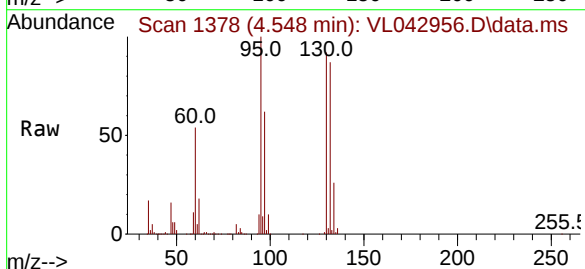
Ion Ratio Lower Upper

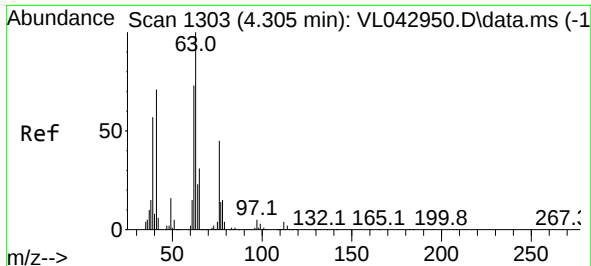
130 100

95 108.4 83.0 124.4

132 93.7 74.6 112.0

97 67.1 55.3 82.9





#39

1,2-Dichloropropane

Concen: 14.218 ppbv

RT: 4.315 min Scan# 11

Delta R.T. 0.010 min

Lab File: VL042956.D

Acq: 22 Sep 2025 13:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

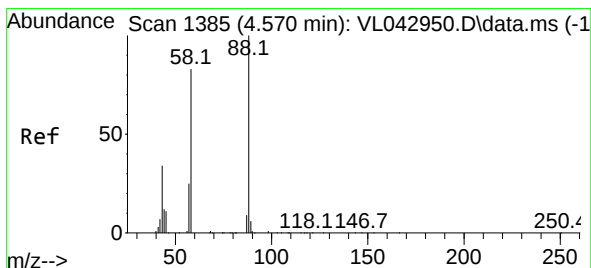
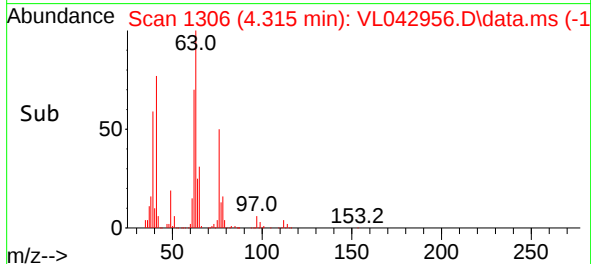
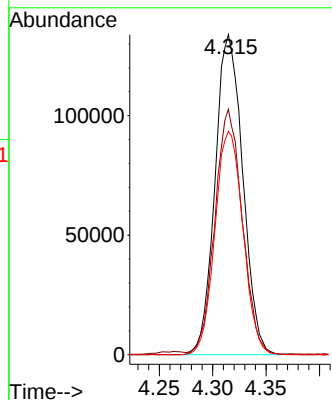
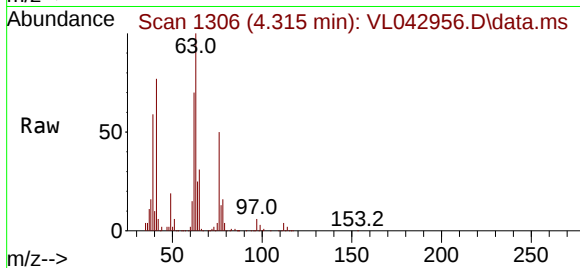
Tgt Ion: 63 Resp: 241323

Ion Ratio Lower Upper

63 100

41 76.5 57.5 86.3

62 69.8 58.5 87.7



#40

1,4-Dioxane

Concen: 13.306 ppbv

RT: 4.580 min Scan# 1388

Delta R.T. 0.010 min

Lab File: VL042956.D

Acq: 22 Sep 2025 13:05

Tgt Ion: 88 Resp: 104884

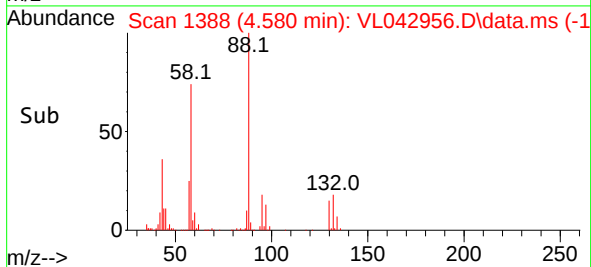
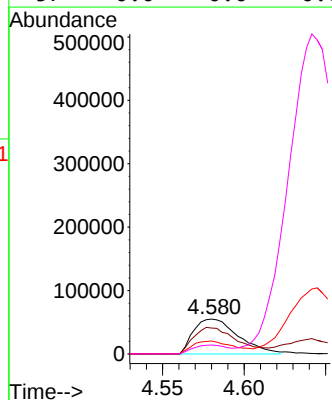
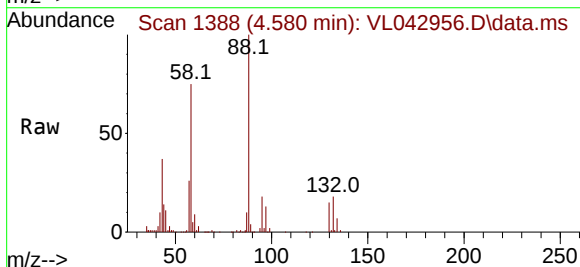
Ion Ratio Lower Upper

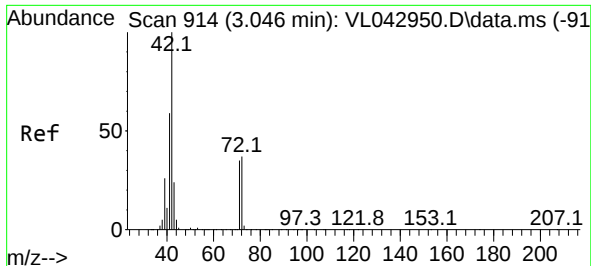
88 100

58 73.6 59.7 89.5

43 34.3 28.9 43.3

57 0.0 0.0 0.0

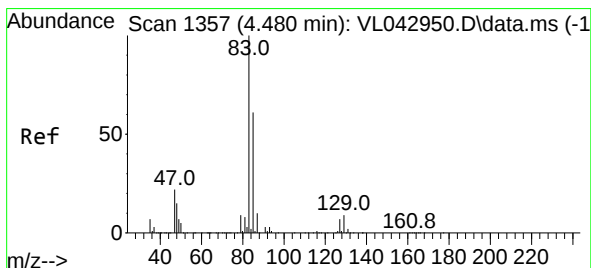
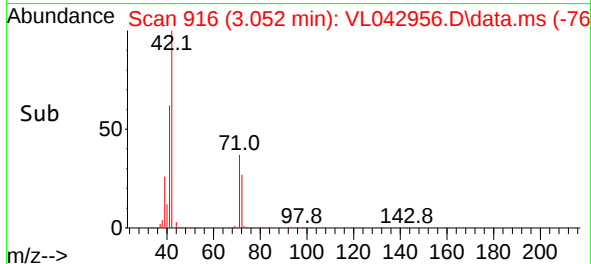
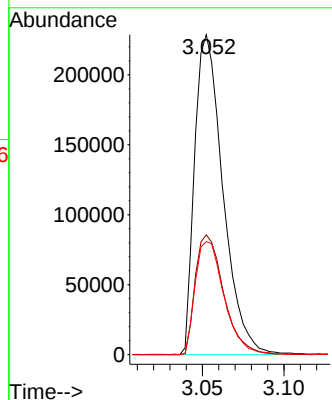
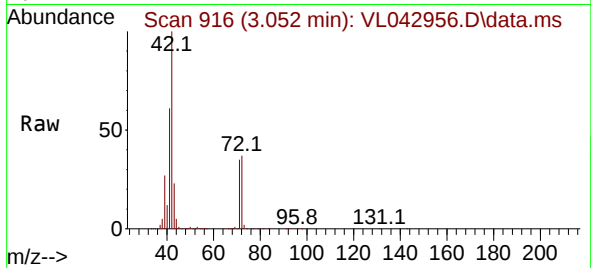




#41
Tetrahydrofuran
Concen: 13.855 ppbv
RT: 3.052 min Scan# 914
Delta R.T. 0.006 min
Lab File: VL042956.D
Acq: 22 Sep 2025 13:05

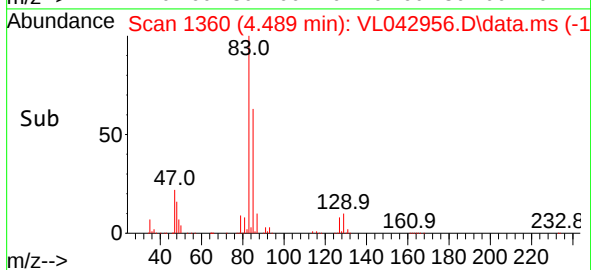
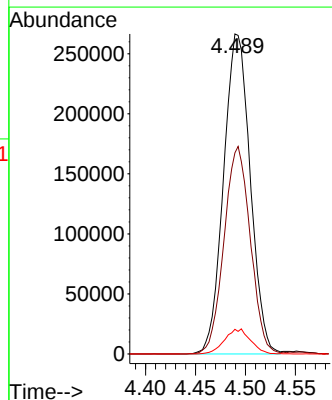
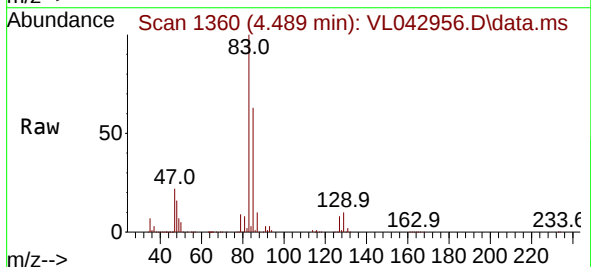
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

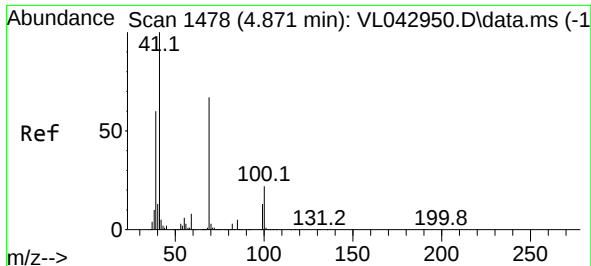
Tgt Ion: 42 Resp: 276157
Ion Ratio Lower Upper
42 100
72 37.7 30.0 45.0
71 36.6 28.8 43.2



#42
Bromodichloromethane
Concen: 14.544 ppbv
RT: 4.489 min Scan# 1360
Delta R.T. 0.010 min
Lab File: VL042956.D
Acq: 22 Sep 2025 13:05

Tgt Ion: 83 Resp: 495091
Ion Ratio Lower Upper
83 100
85 62.8 49.0 73.6
127 7.7 5.3 7.9

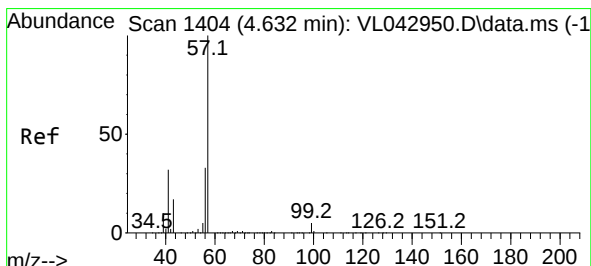
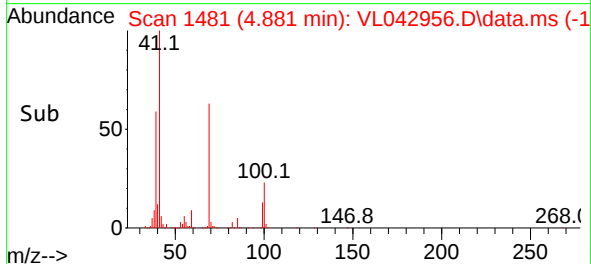
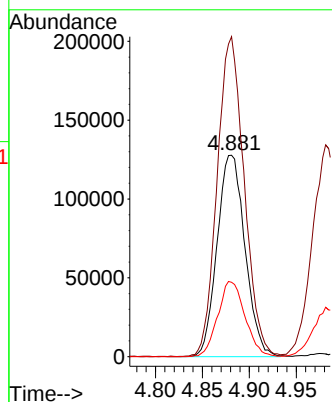
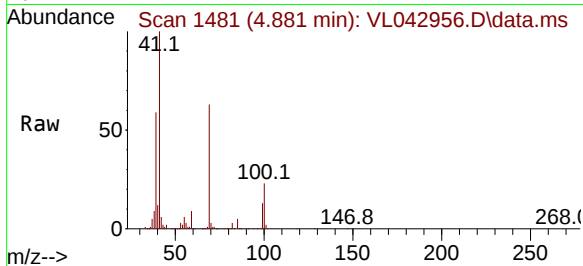




#43
Methyl Methacrylate
Concen: 13.979 ppbv
RT: 4.881 min Scan# 1478
Delta R.T. 0.010 min
Lab File: VL042956.D
Acq: 22 Sep 2025 13:05

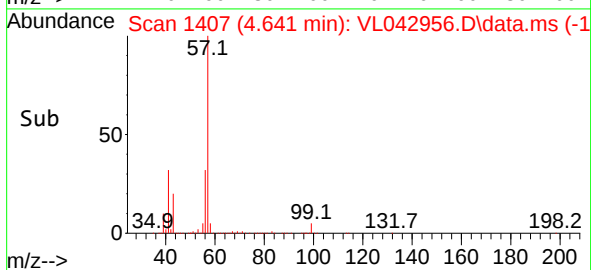
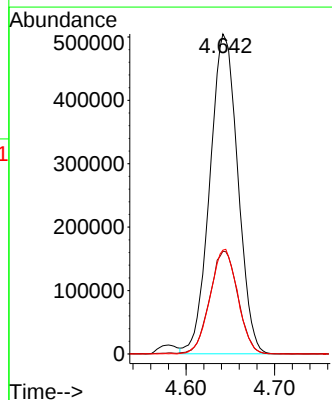
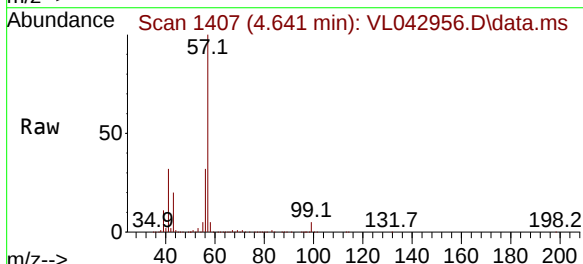
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

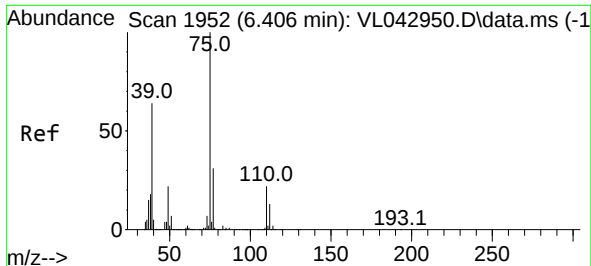
Tgt Ion: 69 Resp: 263659
Ion Ratio Lower Upper
69 100
41 153.6 124.5 186.7
100 36.4 29.0 43.6



#44
2,2,4-Trimethylpentane
Concen: 13.791 ppbv
RT: 4.641 min Scan# 1407
Delta R.T. 0.010 min
Lab File: VL042956.D
Acq: 22 Sep 2025 13:05

Tgt Ion: 57 Resp: 1107180
Ion Ratio Lower Upper
57 100
41 32.6 25.5 38.3
56 32.3 25.8 38.8

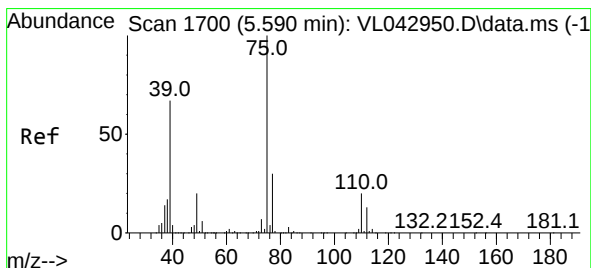
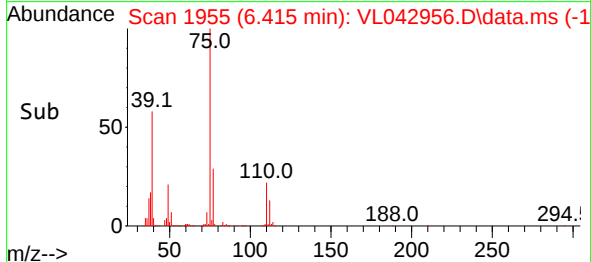
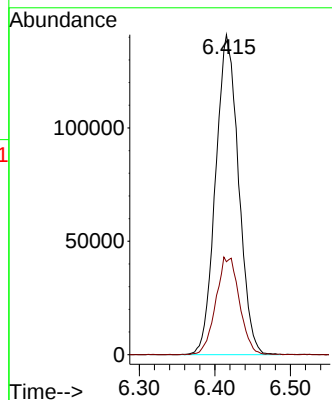
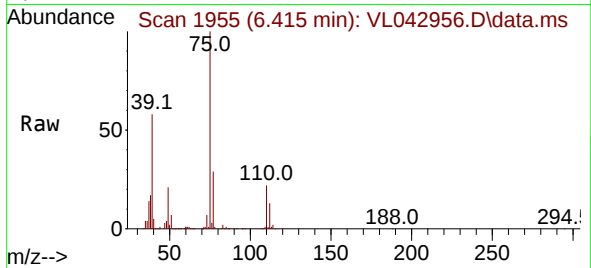




#45
t-1,3-Dichloropropene
Concen: 14.694 ppbv
RT: 6.415 min Scan# 1955
Delta R.T. 0.010 min
Lab File: VL042956.D
Acq: 22 Sep 2025 13:05

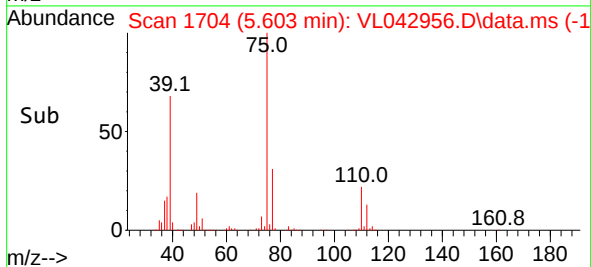
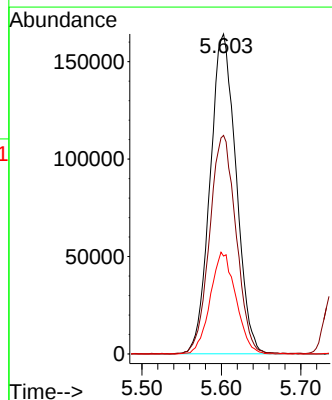
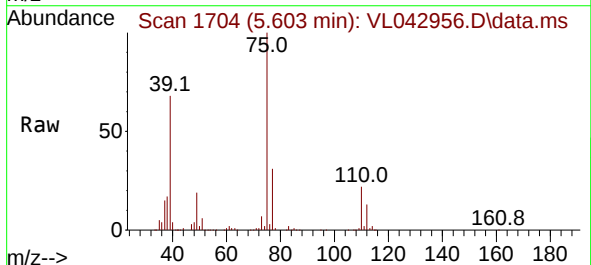
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

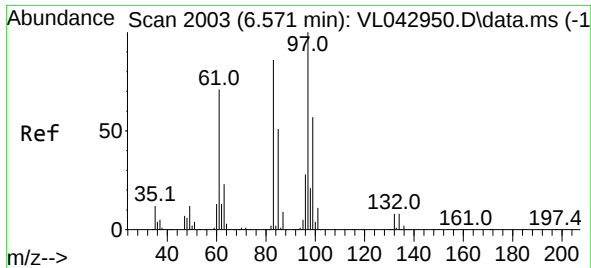
Tgt Ion: 75 Resp: 298019
Ion Ratio Lower Upper
75 100
77 29.0 25.0 37.4



#46
cis-1,3-Dichloropropene
Concen: 14.389 ppbv
RT: 5.603 min Scan# 1704
Delta R.T. 0.013 min
Lab File: VL042956.D
Acq: 22 Sep 2025 13:05

Tgt Ion: 75 Resp: 371770
Ion Ratio Lower Upper
75 100
39 68.2 53.8 80.6
77 30.5 23.6 35.4

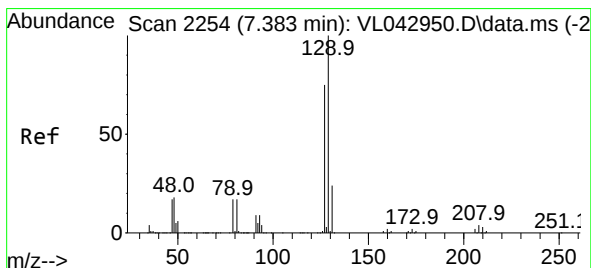
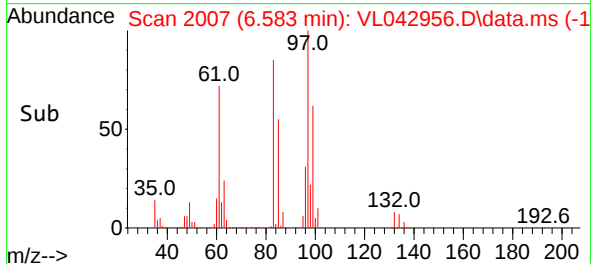
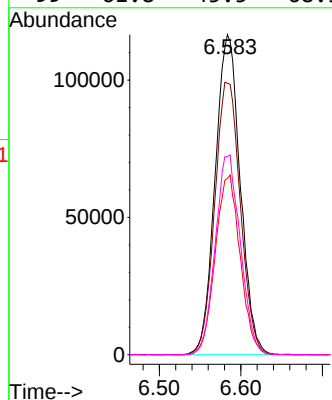
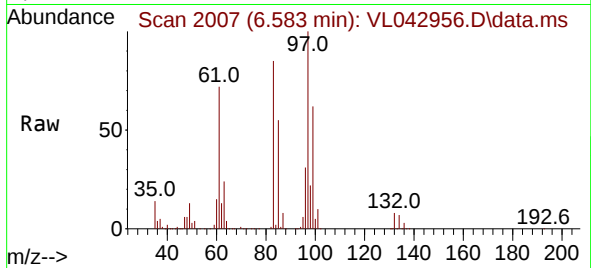




#47
1,1,2-Trichloroethane
Concen: 13.909 ppbv
RT: 6.583 min Scan# 20
Delta R.T. 0.013 min
Lab File: VL042956.D
Acq: 22 Sep 2025 13:05

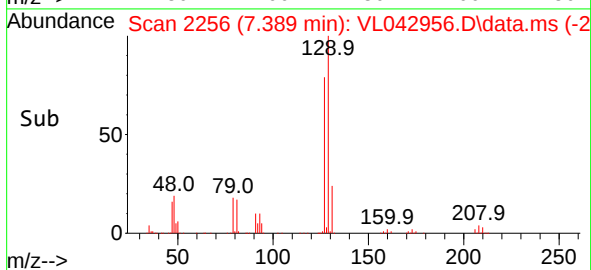
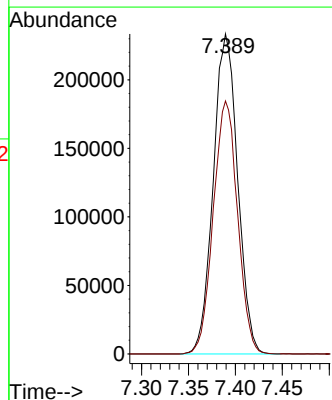
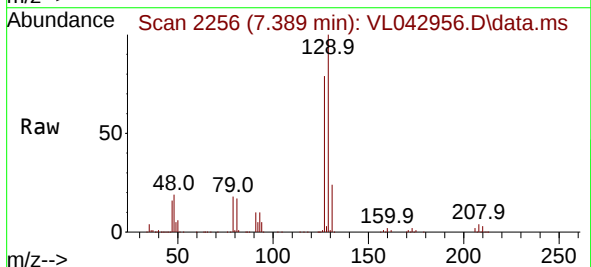
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

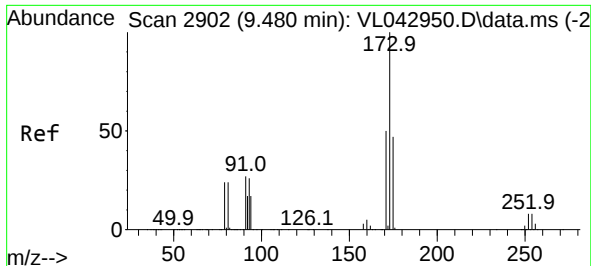
Tgt Ion: 97 Resp: 249453
Ion Ratio Lower Upper
97 100
83 84.9 68.7 103.1
85 55.1 40.6 60.8
99 61.8 45.5 68.3



#48
Dibromochloromethane
Concen: 14.709 ppbv
RT: 7.389 min Scan# 2256
Delta R.T. 0.006 min
Lab File: VL042956.D
Acq: 22 Sep 2025 13:05

Tgt Ion: 129 Resp: 421755
Ion Ratio Lower Upper
129 100
127 78.7 39.1 117.2





#49

Bromoform

Concen: 14.719 ppbv

RT: 9.487 min Scan# 2904

Delta R.T. 0.006 min

Lab File: VL042956.D

Acq: 22 Sep 2025 13:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

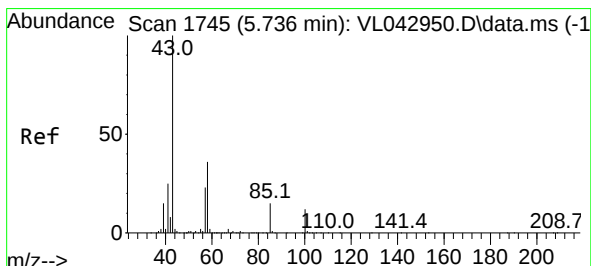
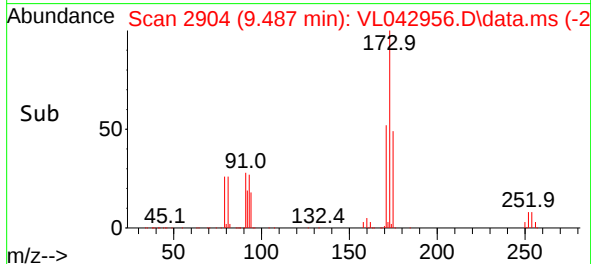
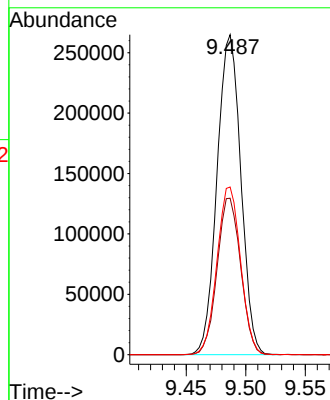
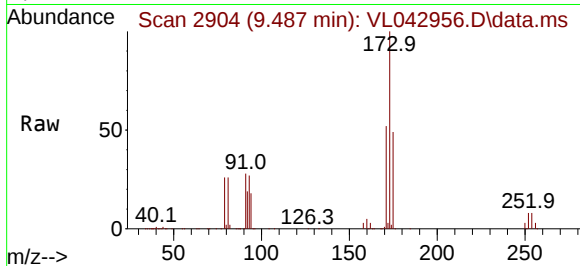
Tgt Ion:173 Resp: 367120

Ion Ratio Lower Upper

173 100

175 48.6 37.9 56.9

171 52.0 41.1 61.7



#50

4-Methyl-2-Pentanone

Concen: 14.293 ppbv

RT: 5.748 min Scan# 1749

Delta R.T. 0.013 min

Lab File: VL042956.D

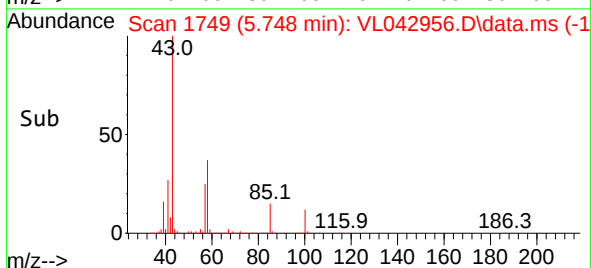
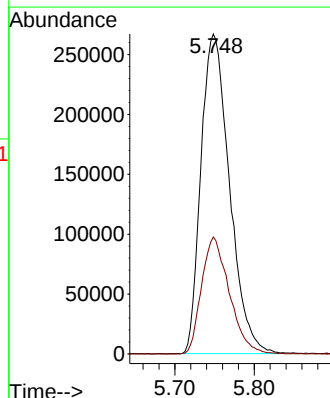
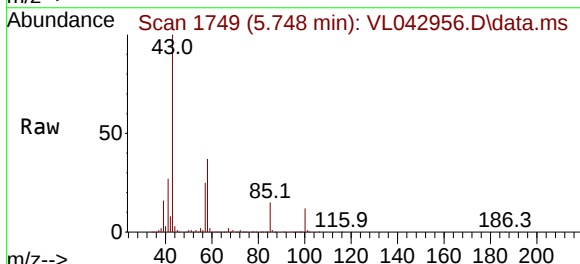
Acq: 22 Sep 2025 13:05

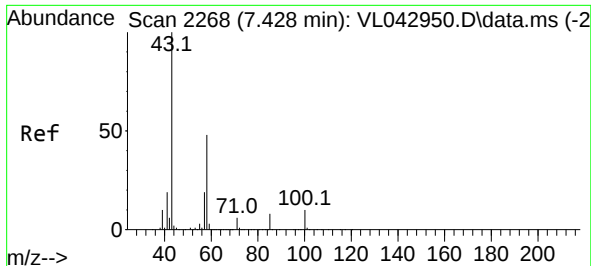
Tgt Ion: 43 Resp: 666049

Ion Ratio Lower Upper

43 100

58 35.7 28.4 42.6

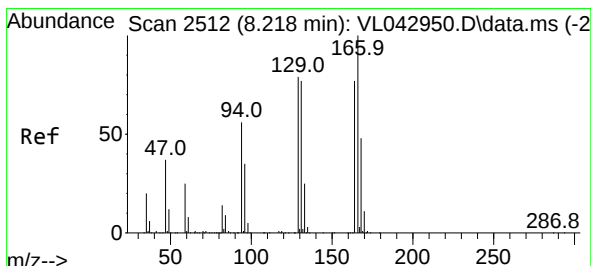
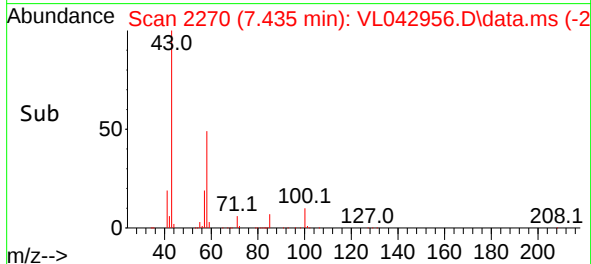
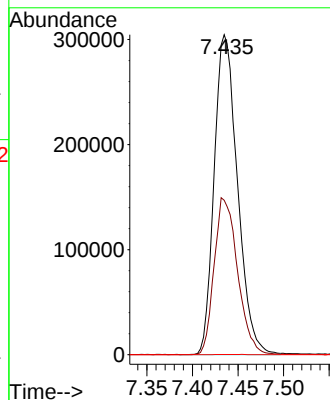
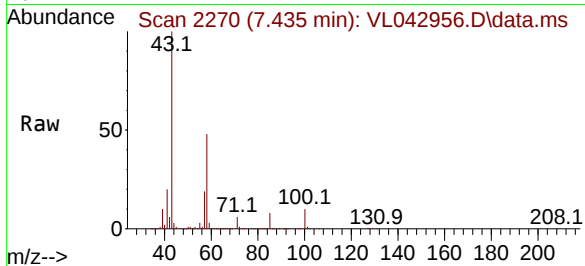




#51
2-Hexanone
Concen: 14.620 ppbv
RT: 7.435 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL042956.D
Acq: 22 Sep 2025 13:05

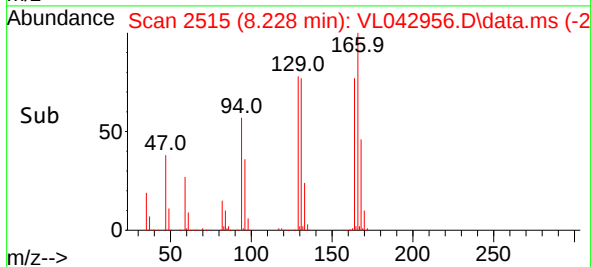
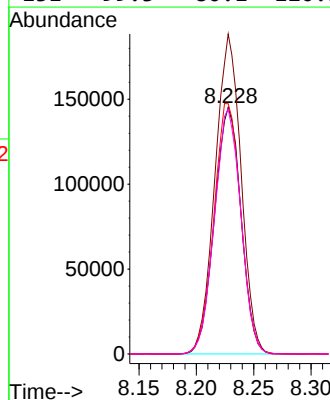
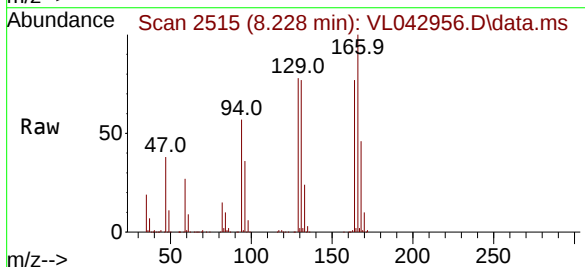
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

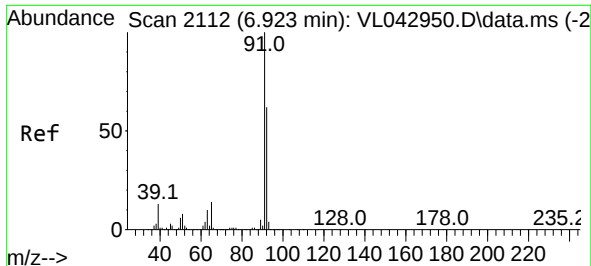
Tgt Ion: 43 Resp: 541611
Ion Ratio Lower Upper
43 100
58 49.4 39.7 59.5
98 0.1 0.1 0.1



#52
Tetrachloroethene
Concen: 13.015 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. 0.010 min
Lab File: VL042956.D
Acq: 22 Sep 2025 13:05

Tgt Ion: 164 Resp: 233980
Ion Ratio Lower Upper
164 100
166 129.8 103.5 155.3
129 101.4 82.2 123.4
131 99.3 80.1 120.1

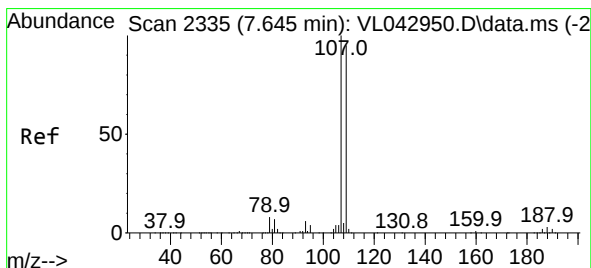
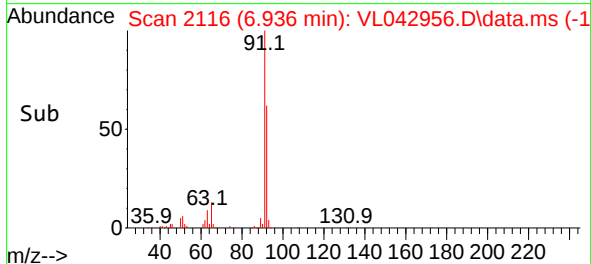
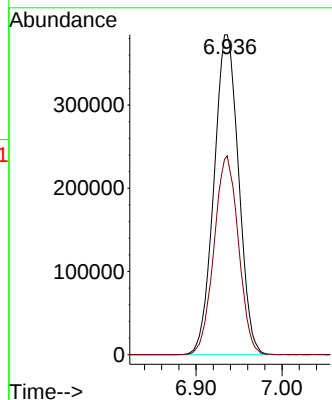
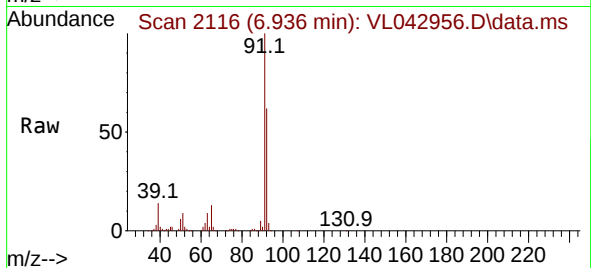




#53
Toluene
Concen: 13.915 ppbv
RT: 6.936 min Scan# 2116
Delta R.T. 0.013 min
Lab File: VL042956.D
Acq: 22 Sep 2025 13:05

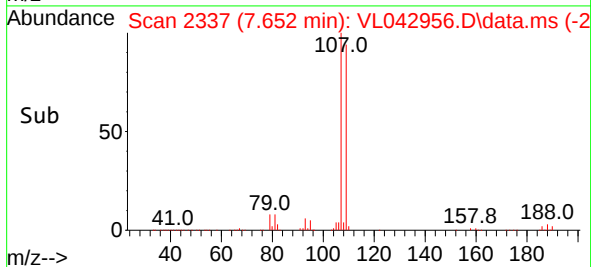
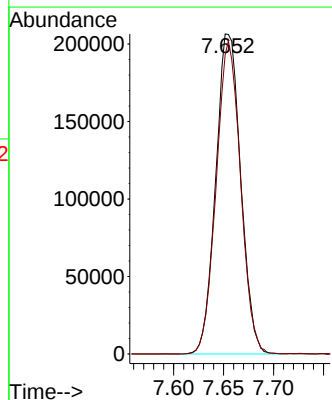
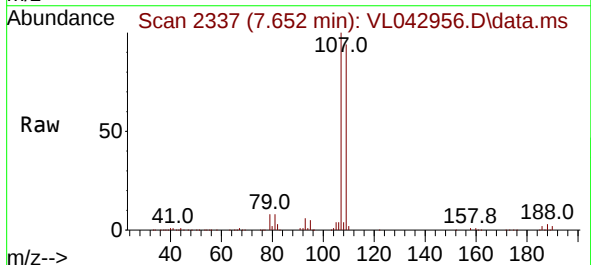
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

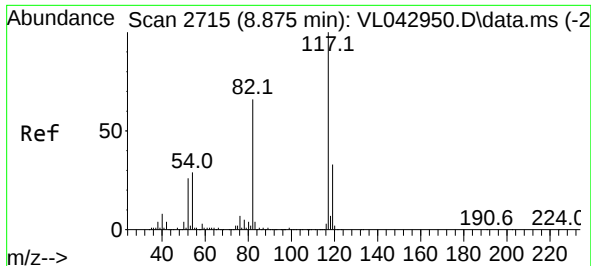
Tgt Ion: 91 Resp: 765216
Ion Ratio Lower Upper
91 100
92 61.5 48.2 72.2



#54
1,2-Dibromoethane
Concen: 14.261 ppbv
RT: 7.652 min Scan# 2337
Delta R.T. 0.006 min
Lab File: VL042956.D
Acq: 22 Sep 2025 13:05

Tgt Ion: 107 Resp: 359750
Ion Ratio Lower Upper
107 100
109 93.6 75.8 113.8

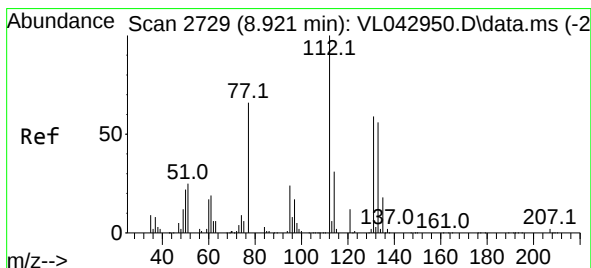
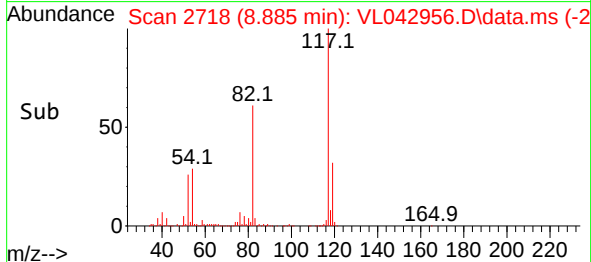
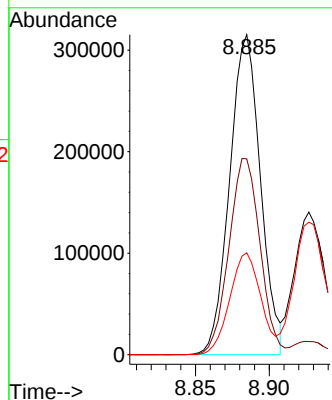
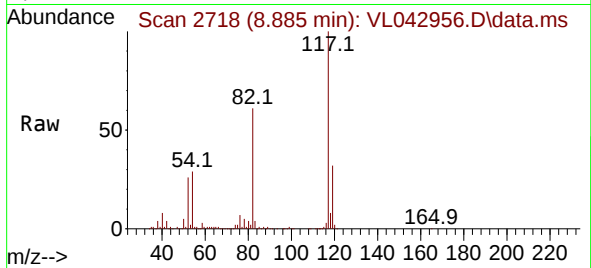




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2715
Delta R.T. 0.010 min
Lab File: VL042956.D
Acq: 22 Sep 2025 13:05

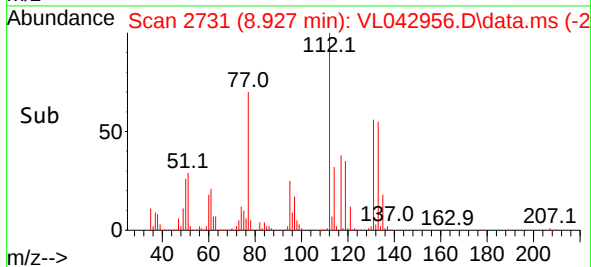
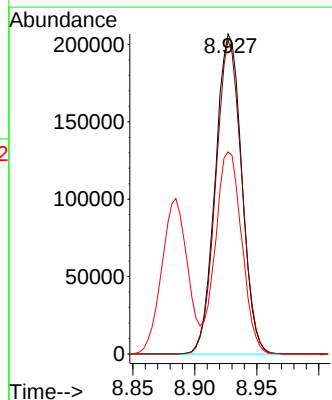
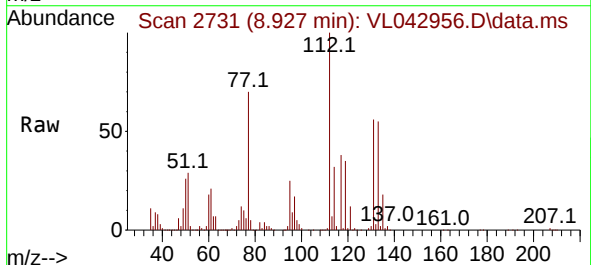
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

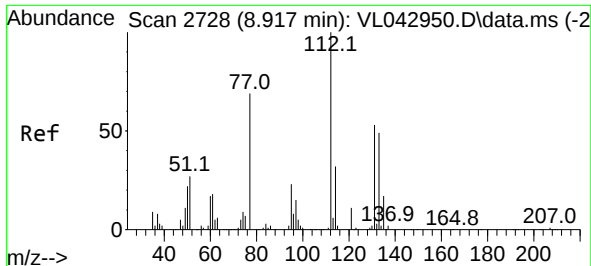
Tgt Ion:117 Resp: 458256
Ion Ratio Lower Upper
117 100
82 66.3 52.8 79.2
119 32.0 26.5 39.7



#56
1,1,1,2-Tetrachloroethane
Concen: 13.994 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. 0.006 min
Lab File: VL042956.D
Acq: 22 Sep 2025 13:05

Tgt Ion:131 Resp: 306952
Ion Ratio Lower Upper
131 100
133 96.4 76.6 114.8
119 63.3 49.9 74.9

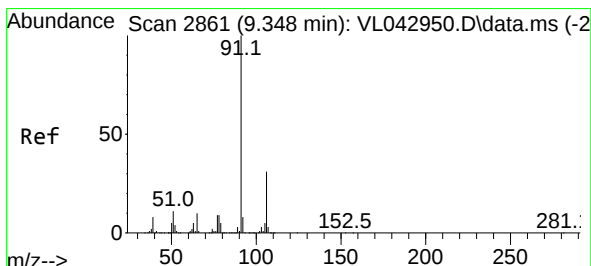
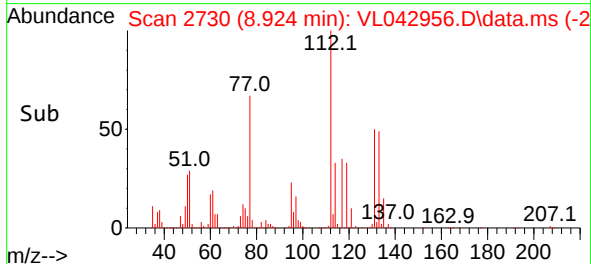
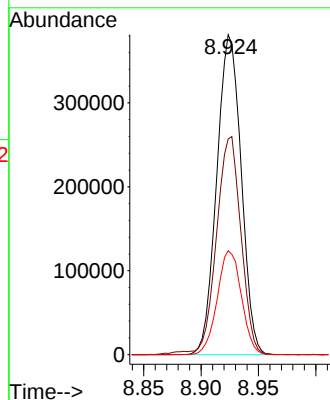
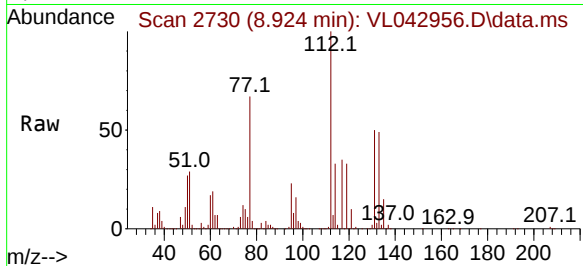




#57
Chlorobenzene
Concen: 13.507 ppbv
RT: 8.924 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL042956.D
Acq: 22 Sep 2025 13:05

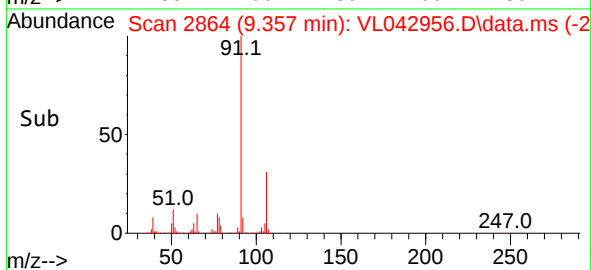
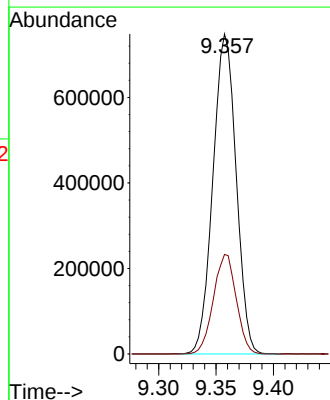
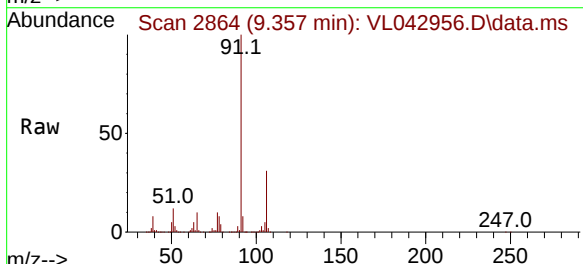
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

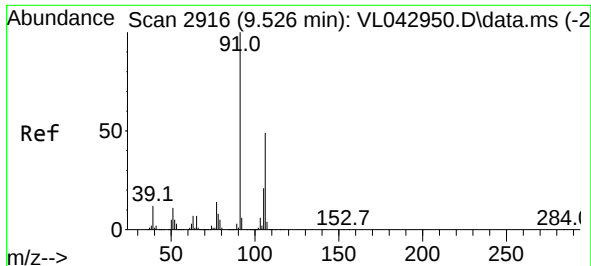
Tgt Ion:112 Resp: 565065
Ion Ratio Lower Upper
112 100
77 67.4 55.7 83.5
114 32.5 28.6 35.0



#58
Ethyl Benzene
Concen: 13.985 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. 0.010 min
Lab File: VL042956.D
Acq: 22 Sep 2025 13:05

Tgt Ion: 91 Resp: 1052303
Ion Ratio Lower Upper
91 100
106 31.1 24.6 37.0





#59

m/p-Xylene

Concen: 14.831 ppbv

RT: 9.535 min Scan# 2916

Delta R.T. 0.010 min

Lab File: VL042956.D

Acq: 22 Sep 2025 13:05

Instrument :

MSVOA_1

ClientSampleId :

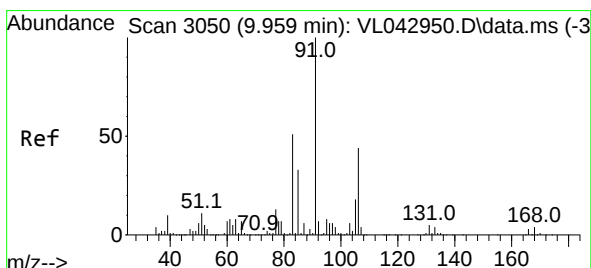
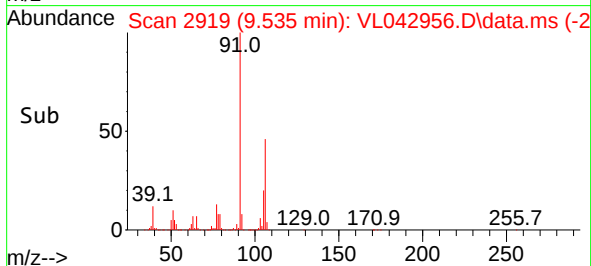
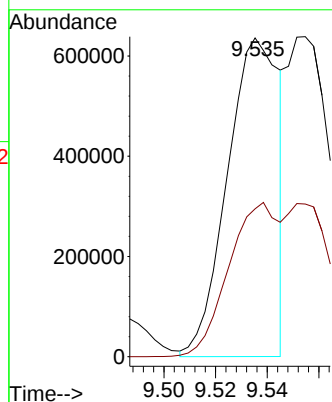
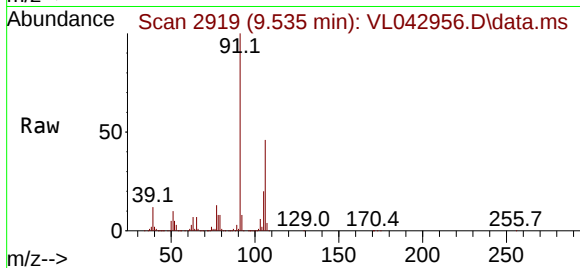
VSTDIC015

Tgt Ion: 91 Resp: 880462

Ion Ratio Lower Upper

91 100

106 88.7 0.0 0.0#



#60

o-Xylene

Concen: 13.629 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. 0.006 min

Lab File: VL042956.D

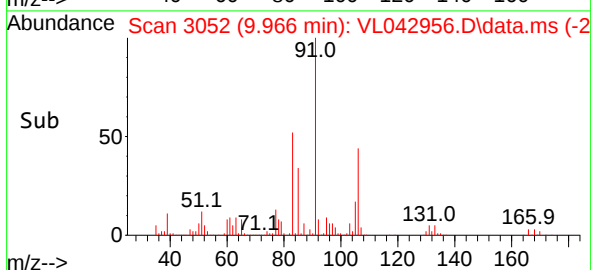
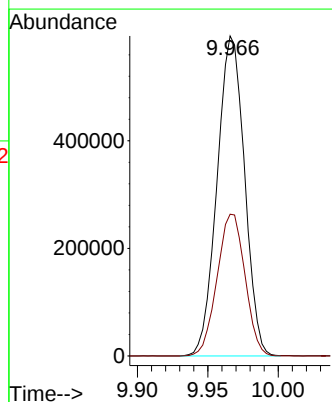
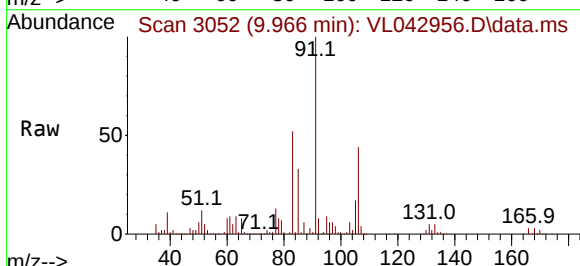
Acq: 22 Sep 2025 13:05

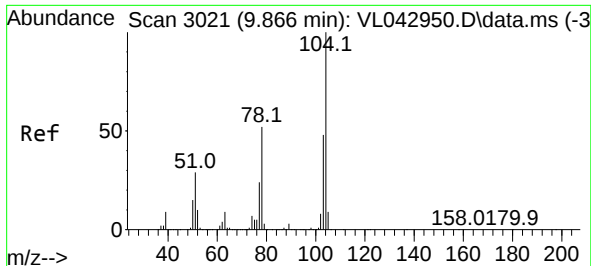
Tgt Ion: 91 Resp: 808098

Ion Ratio Lower Upper

91 100

106 45.0 22.4 67.0

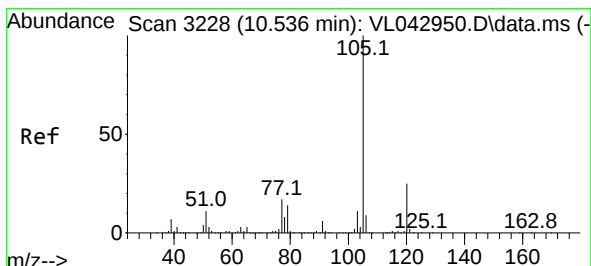
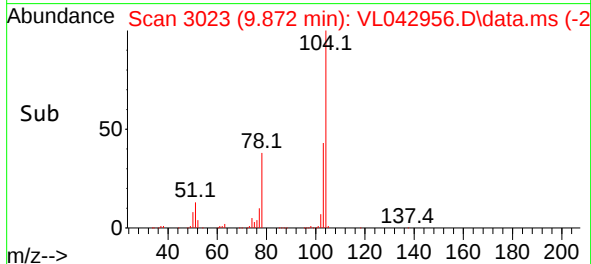
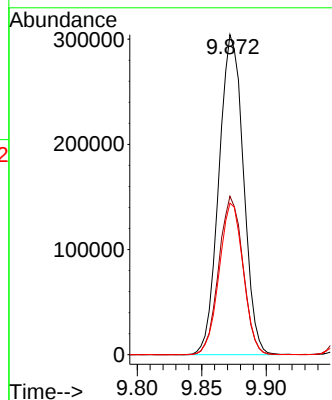
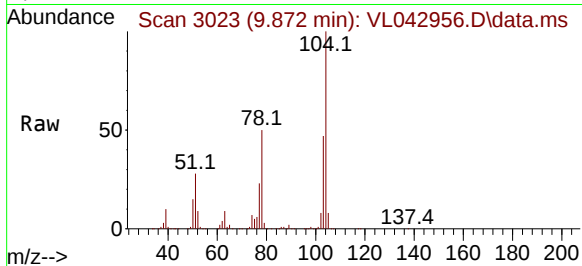




#61
Styrene
Concen: 14.330 ppbv
RT: 9.872 min Scan# 3021
Delta R.T. 0.006 min
Lab File: VL042956.D
Acq: 22 Sep 2025 13:05

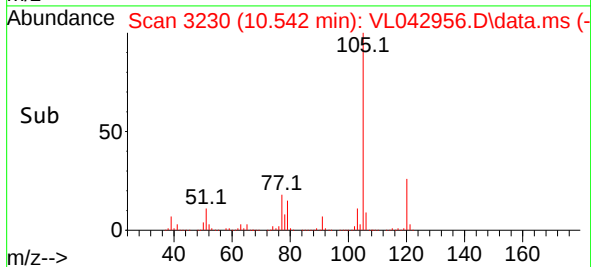
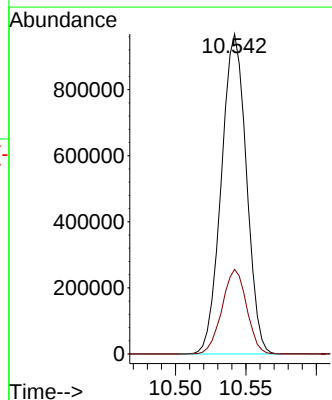
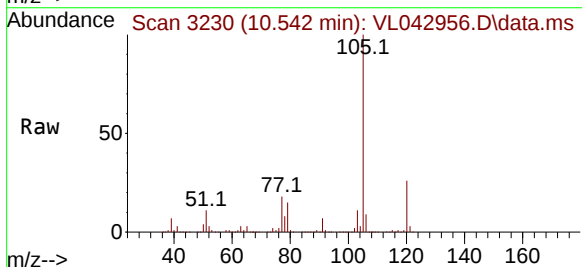
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

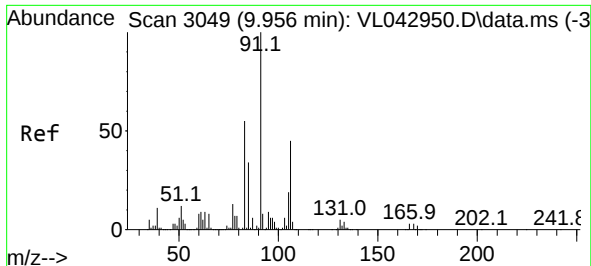
Tgt Ion:104 Resp: 401899
Ion Ratio Lower Upper
104 100
78 48.8 39.9 59.9
103 46.5 36.9 55.3



#62
Isopropylbenzene
Concen: 13.564 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. 0.006 min
Lab File: VL042956.D
Acq: 22 Sep 2025 13:05

Tgt Ion:105 Resp: 1198767
Ion Ratio Lower Upper
105 100
120 25.9 20.6 30.8





#63

1,1,2,2-Tetrachloroethane

Concen: 12.932 ppbv

RT: 9.966 min Scan# 3049

Delta R.T. 0.010 min

Lab File: VL042956.D

Acq: 22 Sep 2025 13:05

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC015

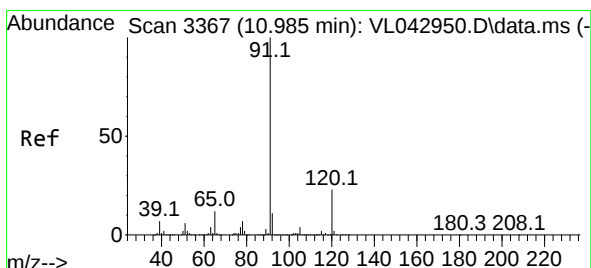
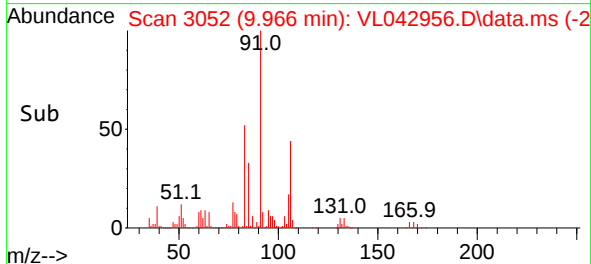
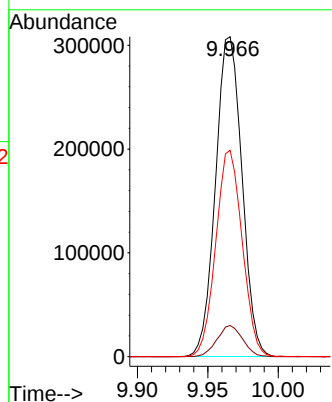
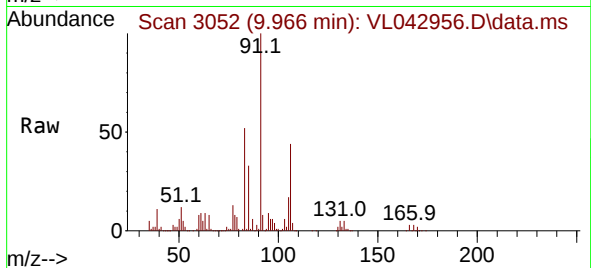
Tgt Ion: 83 Resp: 403038

Ion Ratio Lower Upper

83 100

131 9.5 4.8 14.4

85 64.5 32.2 96.6



#64

n-propylbenzene

Concen: 13.793 ppbv

RT: 10.992 min Scan# 3369

Delta R.T. 0.006 min

Lab File: VL042956.D

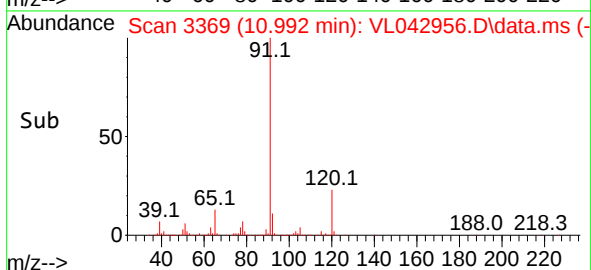
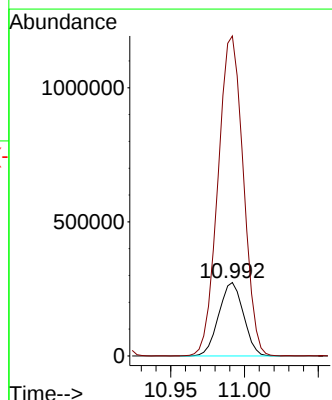
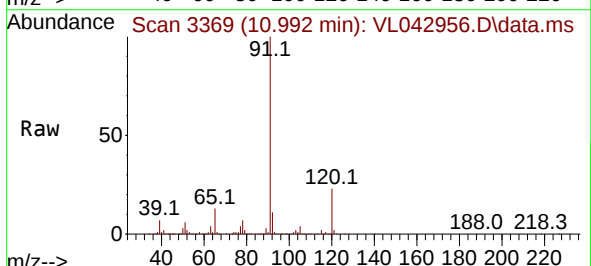
Acq: 22 Sep 2025 13:05

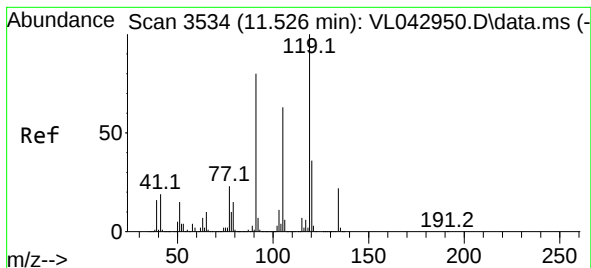
Tgt Ion: 120 Resp: 318541

Ion Ratio Lower Upper

120 100

91 448.5 364.9 547.3





#65

tert-Butylbenzene

Concen: 13.146 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. 0.006 min

Lab File: VL042956.D

Acq: 22 Sep 2025 13:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

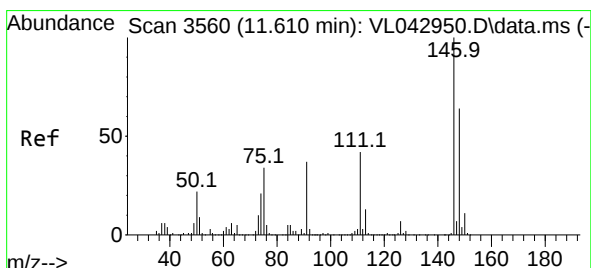
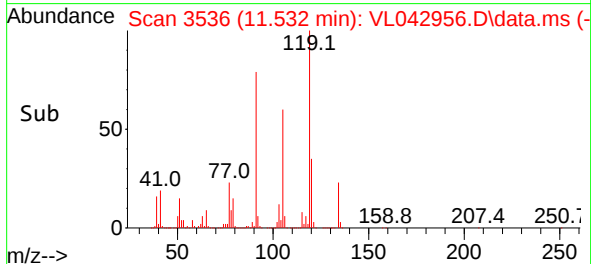
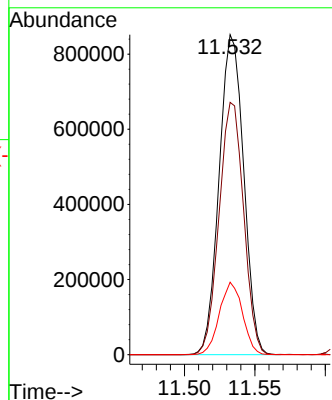
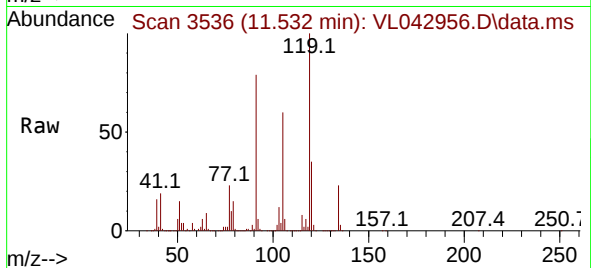
Tgt Ion:119 Resp: 1033382

Ion Ratio Lower Upper

119 100

91 78.8 63.1 94.7

134 21.4 17.0 25.6



#66

Benzyl Chloride

Concen: 13.767 ppbv

RT: 11.616 min Scan# 3562

Delta R.T. 0.006 min

Lab File: VL042956.D

Acq: 22 Sep 2025 13:05

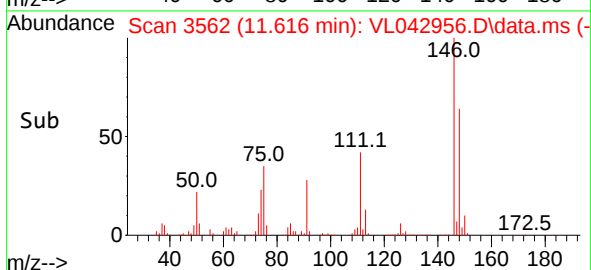
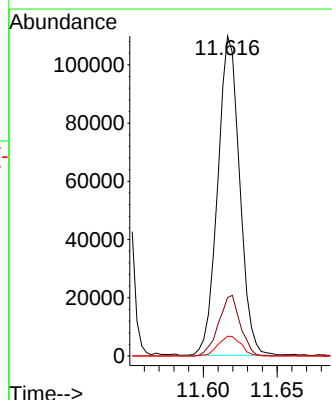
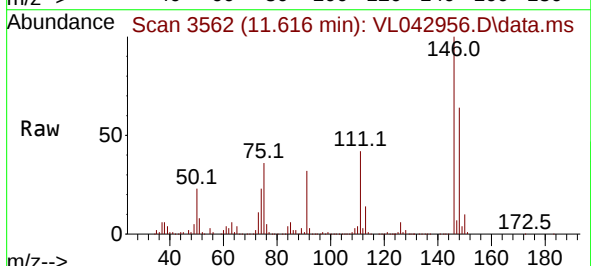
Tgt Ion: 91 Resp: 113549

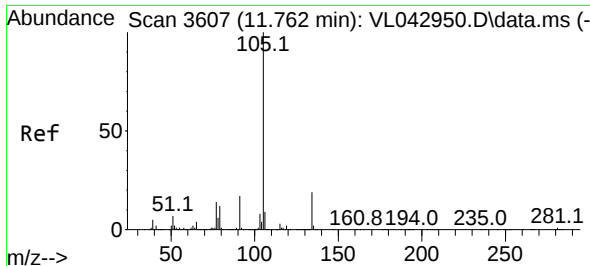
Ion Ratio Lower Upper

91 100

126 18.8 14.6 21.8

128 6.5 5.0 7.4

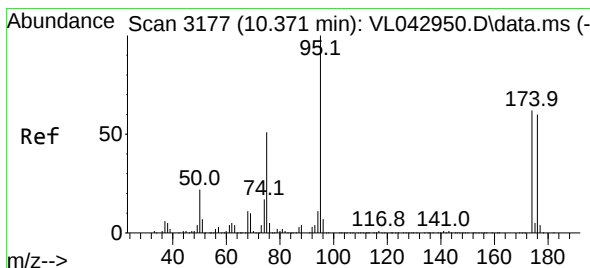
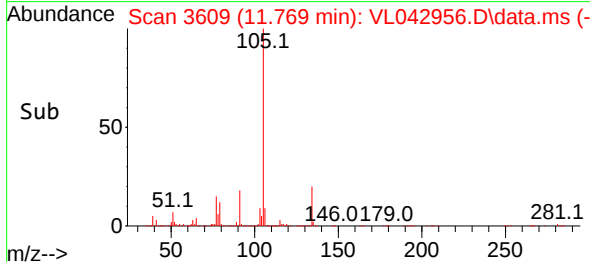
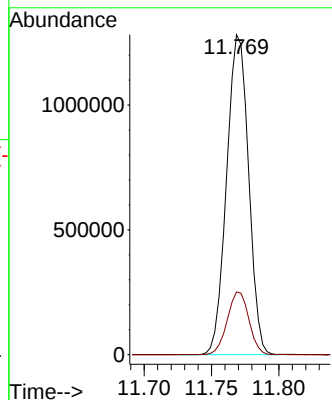
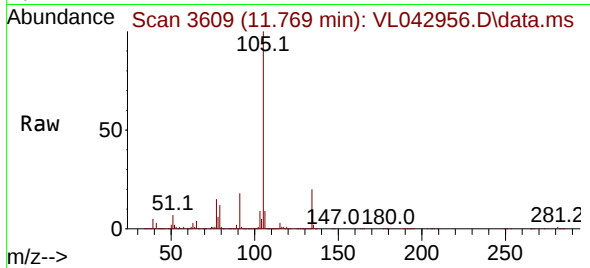




#67
 sec-Butylbenzene
 Concen: 13.276 ppbv
 RT: 11.769 min Scan# 3609
 Delta R.T. 0.006 min
 Lab File: VL042956.D
 Acq: 22 Sep 2025 13:05

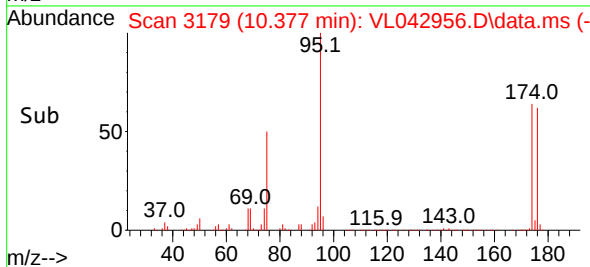
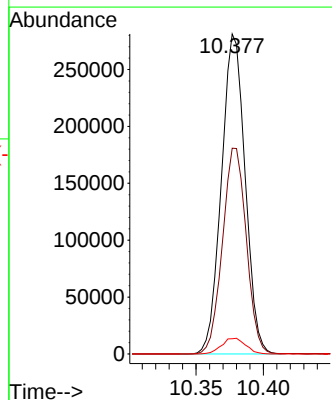
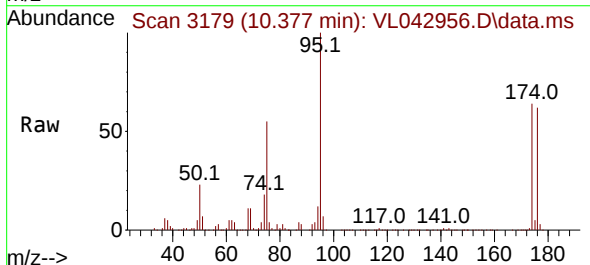
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

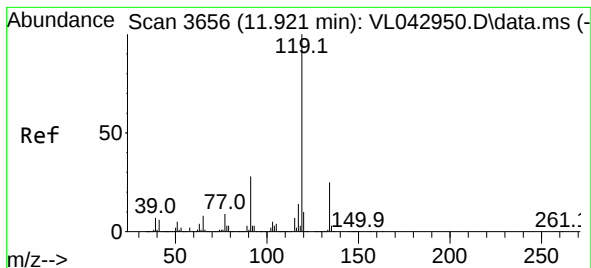
Tgt Ion:105 Resp: 1454158
 Ion Ratio Lower Upper
 105 100
 134 19.3 15.7 23.5



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.049 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. 0.006 min
 Lab File: VL042956.D
 Acq: 22 Sep 2025 13:05

Tgt Ion: 95 Resp: 343752
 Ion Ratio Lower Upper
 95 100
 174 64.8 51.4 77.2
 175 5.0 4.0 6.0

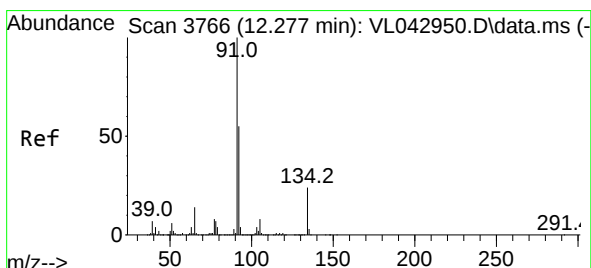
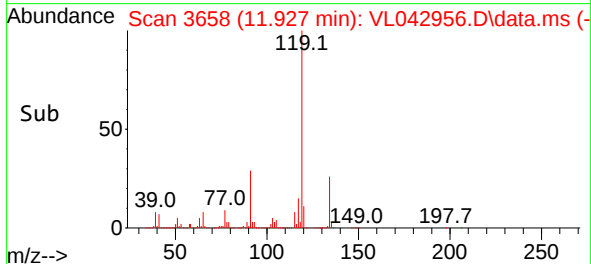
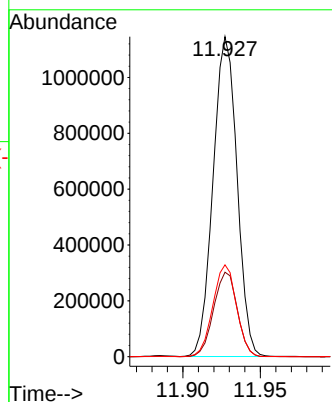
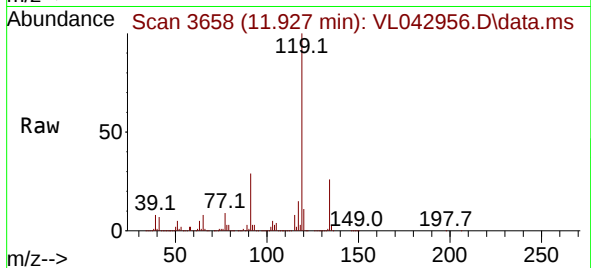




#69
 p-Isopropyltoluene
 Concen: 13.280 ppbv
 RT: 11.927 min Scan# 3658
 Delta R.T. 0.006 min
 Lab File: VL042956.D
 Acq: 22 Sep 2025 13:05

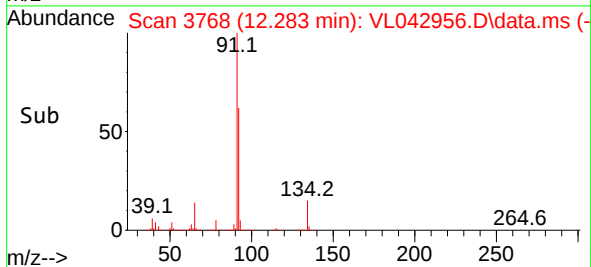
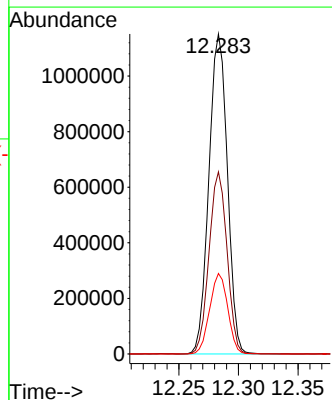
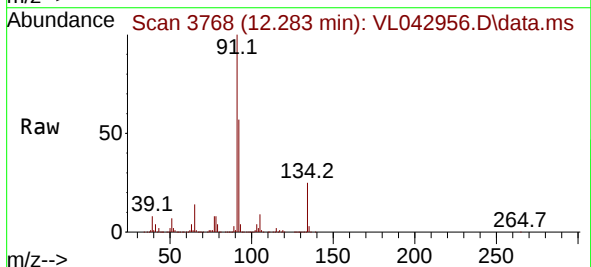
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

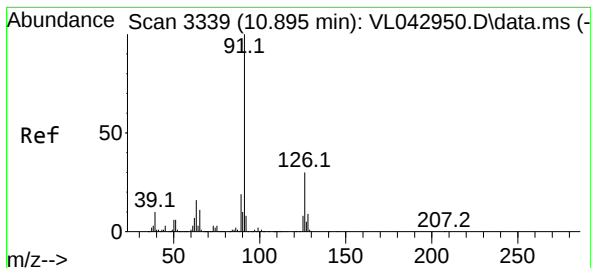
Tgt Ion:119 Resp: 1228773
 Ion Ratio Lower Upper
 119 100
 134 26.2 21.0 31.4
 91 28.4 22.3 33.5



#70
 n-Butylbenzene
 Concen: 13.716 ppbv
 RT: 12.283 min Scan# 3768
 Delta R.T. 0.006 min
 Lab File: VL042956.D
 Acq: 22 Sep 2025 13:05

Tgt Ion: 91 Resp: 1239042
 Ion Ratio Lower Upper
 91 100
 92 55.5 44.0 66.0
 134 24.6 19.4 29.2





#71

2-Chlorotoluene

Concen: 13.733 ppbv

RT: 10.904 min Scan# 31

Delta R.T. 0.010 min

Lab File: VL042956.D

Acq: 22 Sep 2025 13:05

Instrument :

MSVOA_1

ClientSampleId :

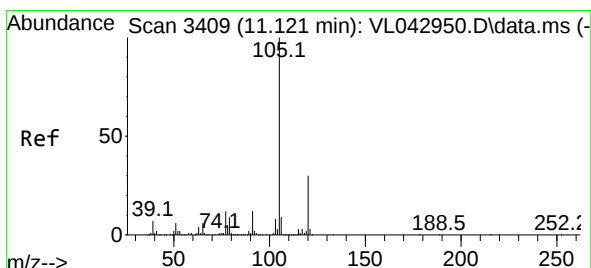
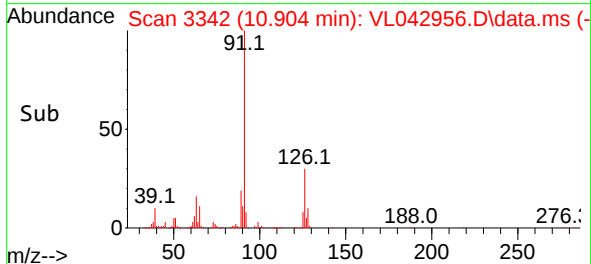
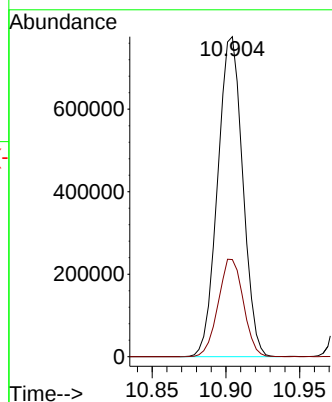
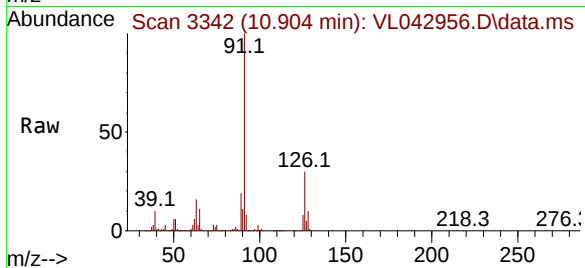
VSTDIC015

Tgt Ion: 91 Resp: 916456

Ion Ratio Lower Upper

91 100

126 30.6 12.3 49.3



#72

4-Ethyltoluene

Concen: 13.662 ppbv

RT: 11.128 min Scan# 3411

Delta R.T. 0.006 min

Lab File: VL042956.D

Acq: 22 Sep 2025 13:05

Tgt Ion: 105 Resp: 1014567

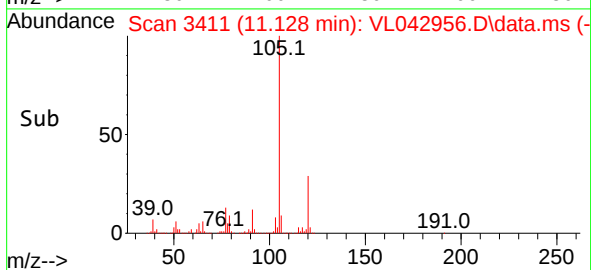
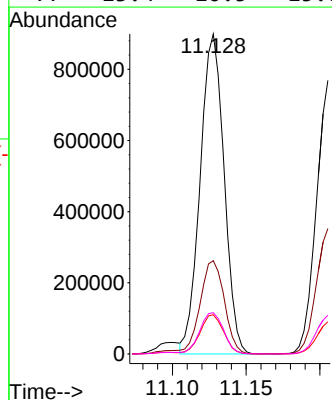
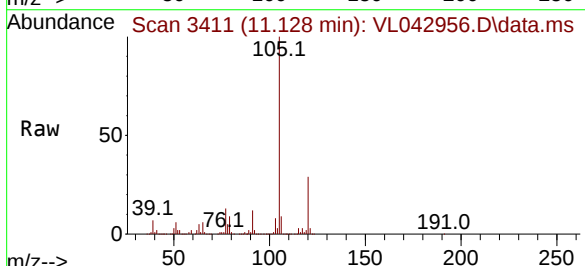
Ion Ratio Lower Upper

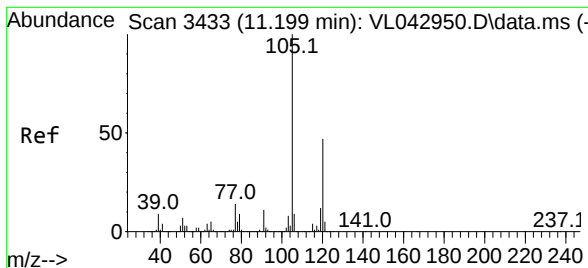
105 100

120 30.4 24.2 36.2

91 12.7 10.0 15.0

77 13.4 10.5 15.7





#73

1,3,5-Trimethylbenzene

Concen: 14.046 ppbv

RT: 11.205 min Scan# 34

Delta R.T. 0.006 min

Lab File: VL042956.D

Acq: 22 Sep 2025 13:05

Instrument :

MSVOA_L

ClientSampleId :

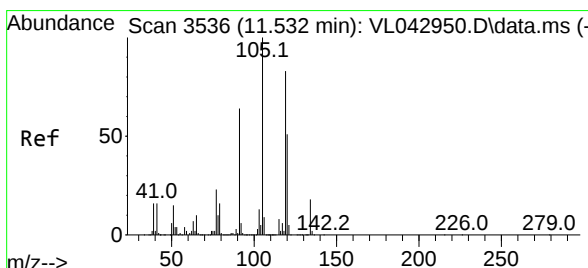
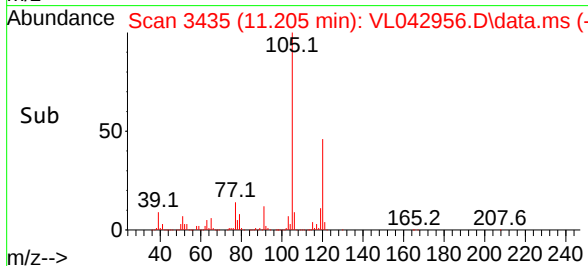
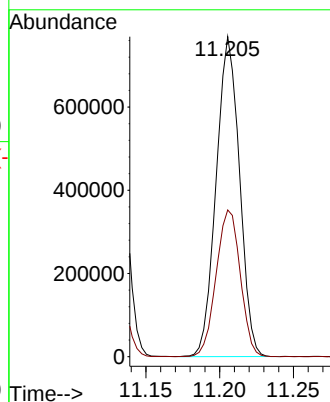
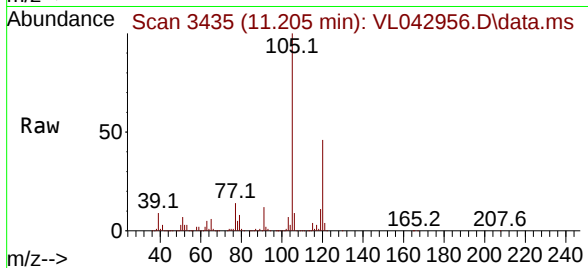
VSTDIC015

Tgt Ion:105 Resp: 845958

Ion Ratio Lower Upper

105 100

120 45.8 38.0 57.0



#74

1,2,4-Trimethylbenzene

Concen: 13.372 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.006 min

Lab File: VL042956.D

Acq: 22 Sep 2025 13:05

Tgt Ion:105 Resp: 889339

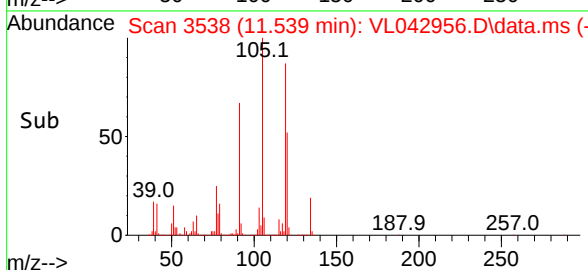
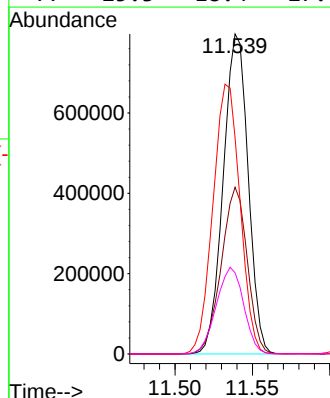
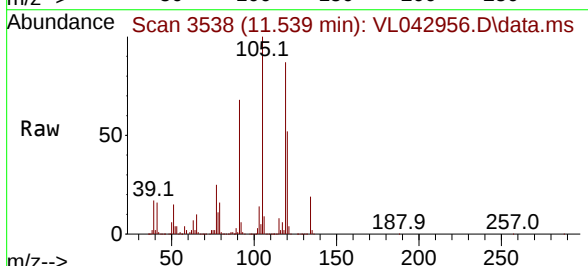
Ion Ratio Lower Upper

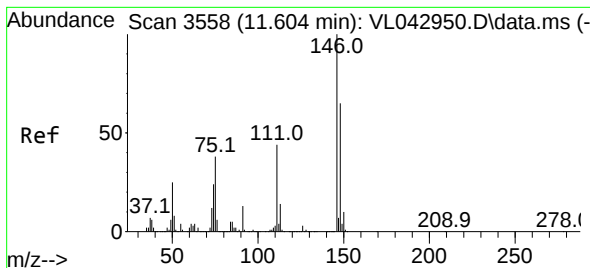
105 100

120 52.1 40.9 61.3

91 67.4 51.2 76.8

77 25.3 18.4 27.6





#75

1,3-Dichlorobenzene

Concen: 13.785 ppbv

RT: 11.610 min Scan# 3558

Delta R.T. 0.006 min

Lab File: VL042956.D

Acq: 22 Sep 2025 13:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

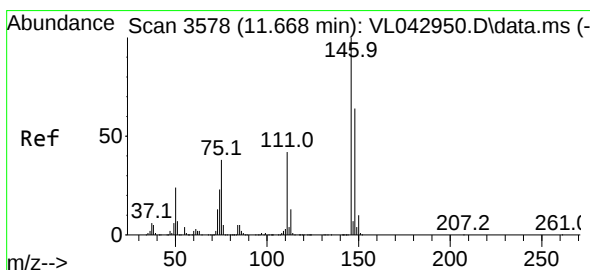
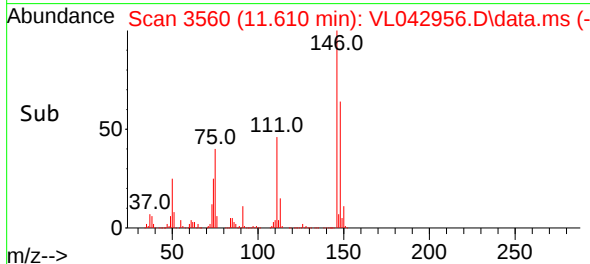
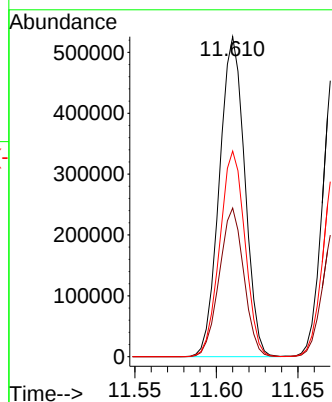
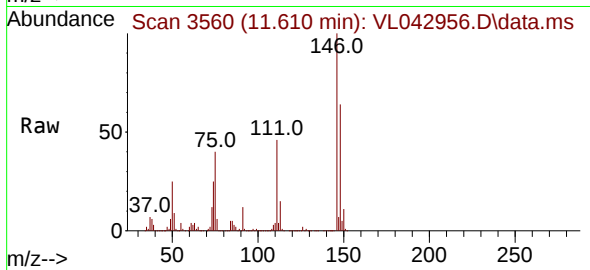
Tgt Ion:146 Resp: 568597

Ion Ratio Lower Upper

146 100

111 44.9 22.3 66.9

148 63.9 31.9 95.5



#76

1,4-Dichlorobenzene

Concen: 13.916 ppbv

RT: 11.675 min Scan# 3580

Delta R.T. 0.006 min

Lab File: VL042956.D

Acq: 22 Sep 2025 13:05

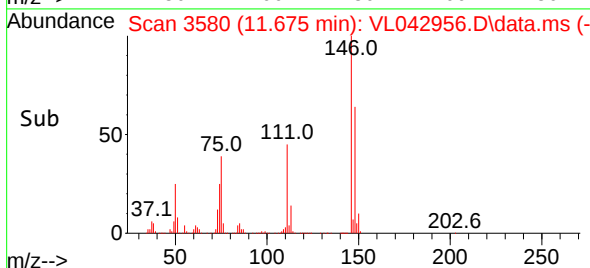
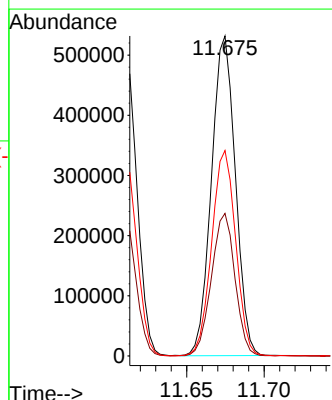
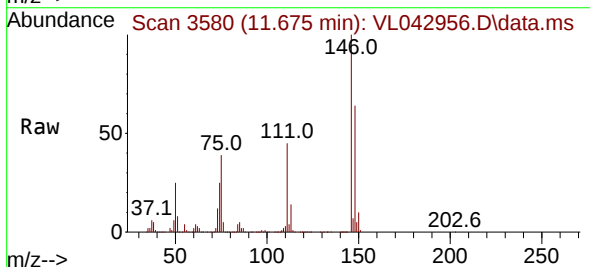
Tgt Ion:146 Resp: 570104

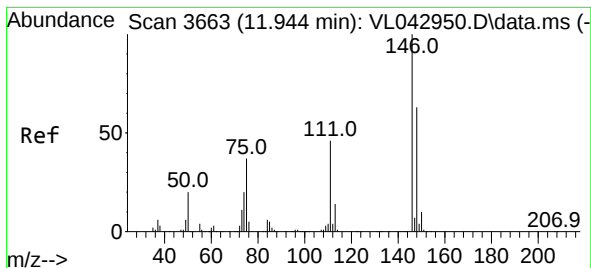
Ion Ratio Lower Upper

146 100

111 44.1 21.5 64.5

148 64.6 31.9 95.5





#77

1,2-Dichlorobenzene

Concen: 13.665 ppbv

RT: 11.950 min Scan# 3

Delta R.T. 0.006 min

Lab File: VL042956.D

Acq: 22 Sep 2025 13:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

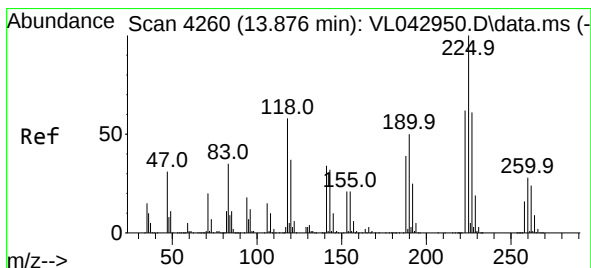
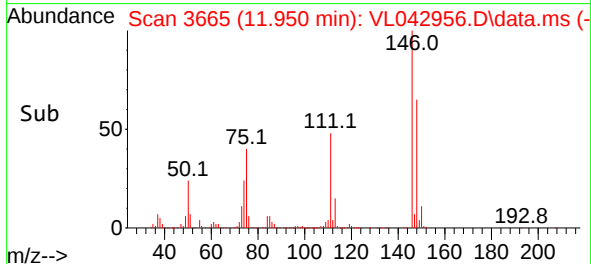
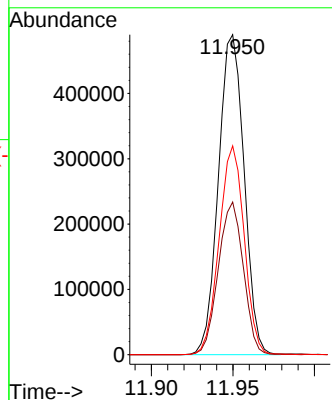
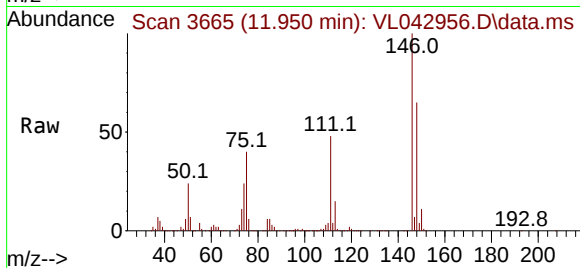
Tgt Ion:146 Resp: 536286

Ion Ratio Lower Upper

146 100

111 46.7 23.1 69.3

148 63.8 32.0 96.0



#78

Hexachloro-1,3-Butadiene

Concen: 12.296 ppbv

RT: 13.882 min Scan# 4262

Delta R.T. 0.006 min

Lab File: VL042956.D

Acq: 22 Sep 2025 13:05

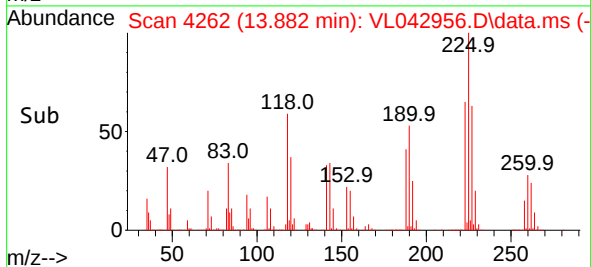
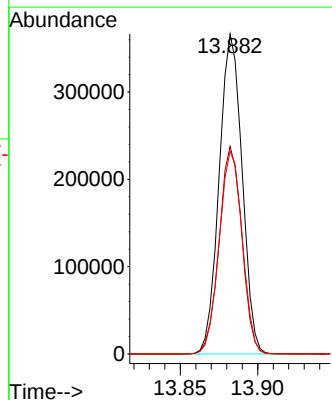
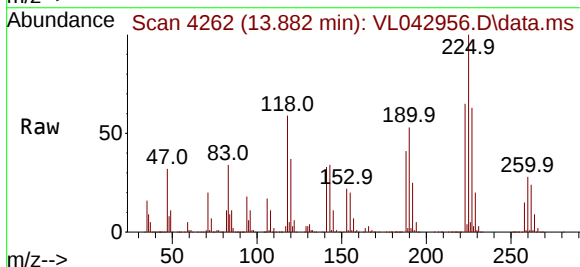
Tgt Ion:225 Resp: 377435

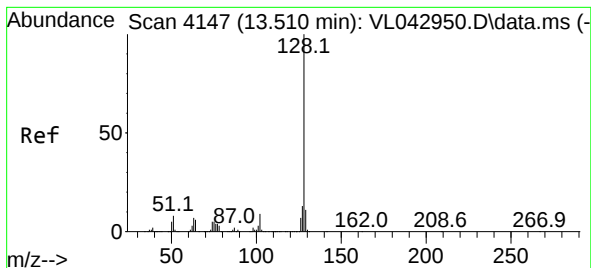
Ion Ratio Lower Upper

225 100

223 64.0 50.1 75.1

227 63.7 50.4 75.6





#79

Naphthalene

Concen: 15.645 ppbv

RT: 13.513 min Scan# 4147

Delta R.T. 0.003 min

Lab File: VL042956.D

Acq: 22 Sep 2025 13:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

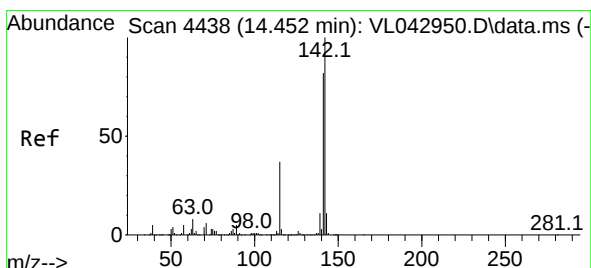
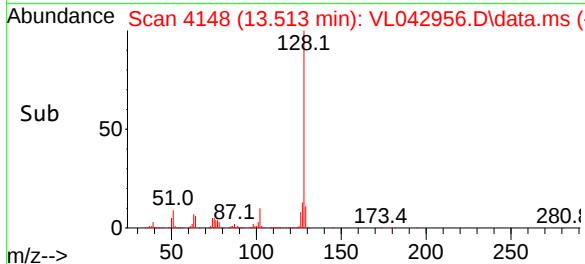
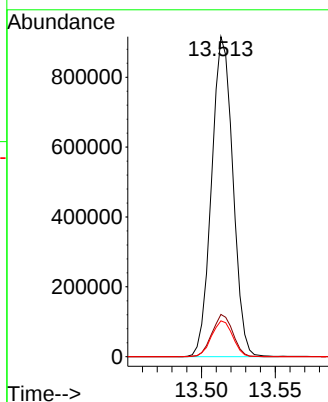
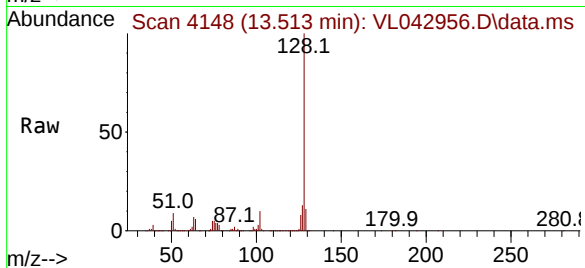
Tgt Ion:128 Resp: 920123

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

129 11.2 9.0 13.6



#80

Naphthalene,2-methyl-

Concen: 15.290 ppbv

RT: 14.458 min Scan# 4440

Delta R.T. 0.006 min

Lab File: VL042956.D

Acq: 22 Sep 2025 13:05

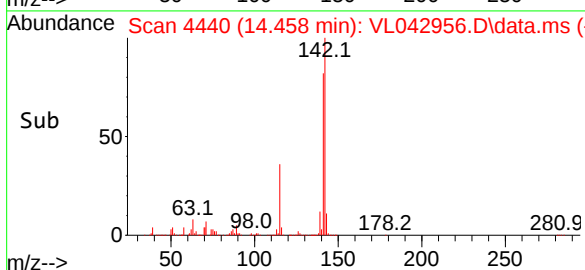
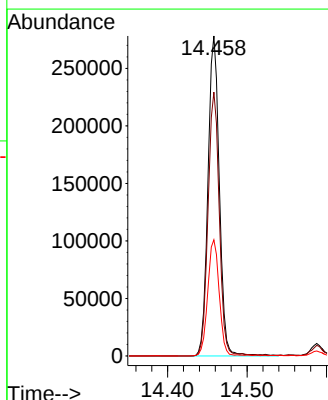
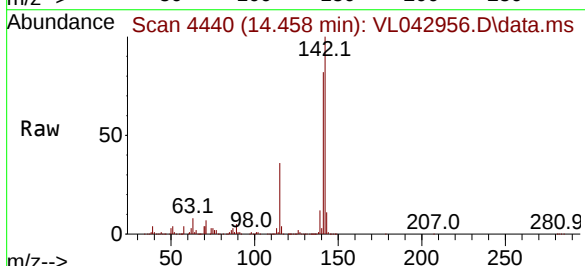
Tgt Ion:142 Resp: 277792

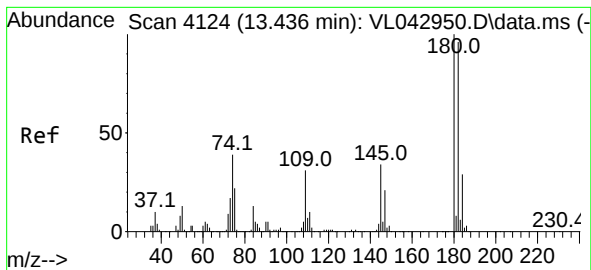
Ion Ratio Lower Upper

142 100

141 82.2 65.1 97.7

115 37.0 28.9 43.3





#81

1,2,4-Trichlorobenzene

Concen: 15.066 ppbv

RT: 13.442 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL042956.D

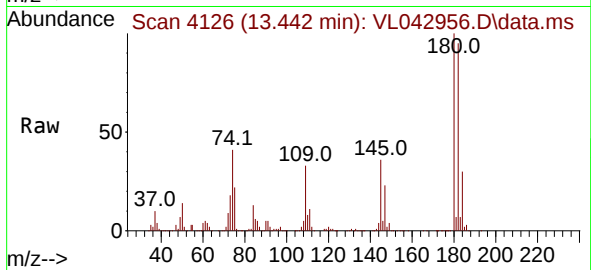
Acq: 22 Sep 2025 13:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015



Tgt Ion:180 Resp: 473767

Ion Ratio Lower Upper

180 100

182 95.5 75.7 113.5

184 30.2 23.9 35.9

