

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
 Data File : VL043209.D
 Acq On : 18 Nov 2025 12:49
 Operator : SY/MD
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Quant Time: Nov 19 00:52:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Nov 19 00:48:15 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	98952	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	266012	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	213547	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.371	95	152015	9.712	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.100%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.554	85	381	0.027	ppbv	100
3) Chlorodifluoromethane	1.638	51	673	0.049	ppbv	95
4) Chloromethane	1.535	50	260	0.050	ppbv #	71
5) Vinyl Chloride	1.580	62	150	0.026	ppbv #	86
6) Bromomethane	1.667	94	148	0.054	ppbv #	23
7) Chloroethane	1.706	64	109	0.049	ppbv #	76
8) Dichlorotetrafluoroethane	1.554	85	381	0.033	ppbv	99
9) Propene	1.489	41	440	0.069	ppbv #	1
10) Heptane	4.969	43	193	0.011	ppbv #	1
11) Trichlorofluoromethane	1.878	101	277	0.020	ppbv	86
12) 1,1,2-Trichlorotrifluo...	2.137	101	368	0.035	ppbv	96
13) Ethanol	1.719	45	229	0.112	ppbv #	38
14) Bromoethene	1.777	108	102	0.025	ppbv #	55
15) Acetone	1.839	43	1490	0.108	ppbv #	86
16) 1,3-Butadiene	1.606	39	392	0.064	ppbv #	12
17) tert-Butyl alcohol	2.040	59	506	0.028	ppbv #	71
18) 1,1-Dichloroethene	2.033	96	130	0.026	ppbv #	90
19) Isopropyl Alcohol	1.887	45	746	0.096	ppbv #	49
20) Methylene Chloride	2.059	84	3122	Below Cal	#	93
21) Allyl Chloride	2.095	41	774	0.084	ppbv #	23
22) trans-1,2-Dichloroethene	2.337	96	240	0.043	ppbv #	56
23) Vinyl Acetate	2.457	43	627	0.038	ppbv #	78
24) 1,1-Dichloroethane	2.402	63	453	0.042	ppbv #	86
25) Ethyl Acetate	2.836	43	455	0.015	ppbv #	82
26) Hexane	2.820	57	499	0.038	ppbv #	1
27) Carbon Disulfide	2.153	76	477	0.036	ppbv #	1
28) Methyl tert-Butyl Ether	2.438	73	181	0.028	ppbv #	50
29) Chloroform	2.399	83	140	0.008	ppbv	95
30) Cyclohexane	3.846	84	179	0.016	ppbv #	1
31) cis-1,2-Dichloroethene	2.719	61	369	0.029	ppbv #	90
32) 1,1,1-Trichloroethane	3.363	97	153	0.008	ppbv #	1
34) 2-Butanone	2.545	43	88	0.005	ppbv #	53
35) Carbon Tetrachloride	3.758	117	558	0.028	ppbv #	61
36) Benzene	3.651	78	323	0.013	ppbv #	11
37) 1,2-Dichloroethane	3.211	62	298	0.020	ppbv #	80
38) Trichloroethene	4.542	130	123	0.012	ppbv #	49
39) 1,2-Dichloropropane	3.949	63	68235	7.318	ppbv #	24
40) 1,4-Dioxane	4.606	88	75	0.018	ppbv #	1
41) Tetrahydrofuran	3.053	42	118	0.011	ppbv #	37
42) Bromodichloromethane	4.483	83	268	0.013	ppbv #	24
43) Methyl Methacrylate	4.868	69	145	0.011	ppbv #	1
44) 2,2,4-Trimethylpentane	4.629	57	595	0.014	ppbv #	41
45) t-1,3-Dichloropropene	6.403	75	232	0.018	ppbv #	44

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
 Data File : VL043209.D
 Acq On : 18 Nov 2025 12:49
 Operator : SY/MD
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

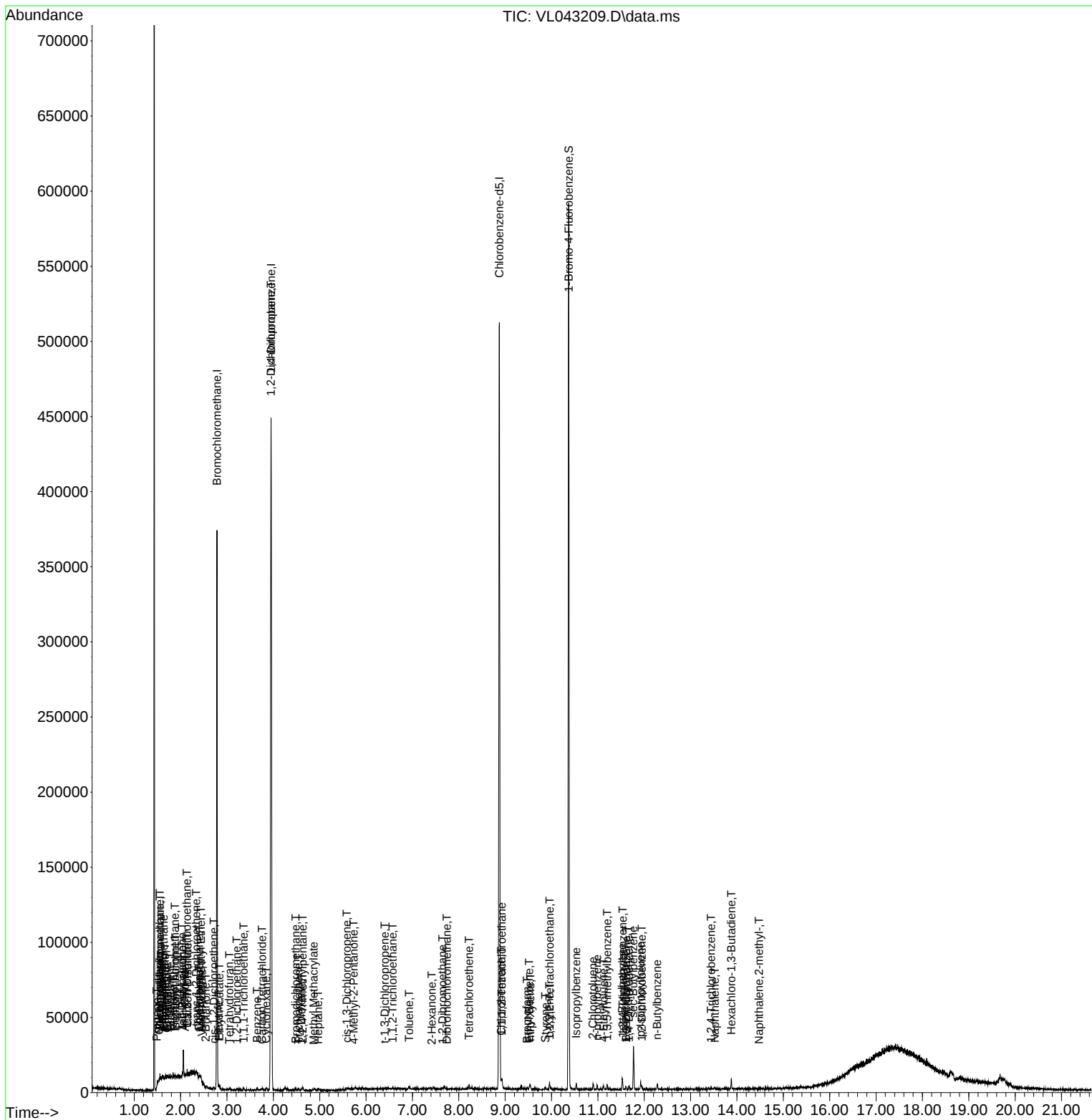
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 ClientSampleId :
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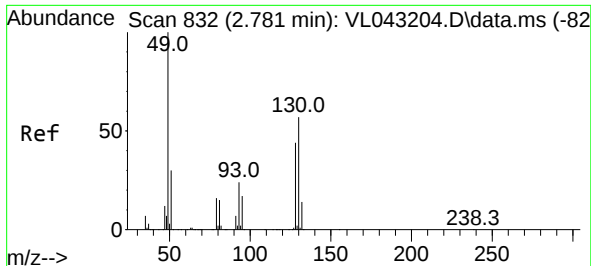
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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Nov 19 00:48:15 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.587	75	123	0.008	ppbv #	37
47) 1,1,2-Trichloroethane	6.574	97	122	0.012	ppbv #	51
48) Dibromochloromethane	7.743	129	34	0.002	ppbv	62
49) Bromoform	9.471	173	102	0.007	ppbv #	1
50) 4-Methyl-2-Pentanone	5.736	43	140	0.005	ppbv #	39
51) 2-Hexanone	7.419	43	61	0.003	ppbv #	29
52) Tetrachloroethene	8.222	164	158	0.017	ppbv #	48
53) Toluene	6.930	91	323	0.011	ppbv #	21
54) 1,2-Dibromoethane	7.645	107	102	0.007	ppbv	87
56) 1,1,1,2-Tetrachloroethane	8.927	131	114	0.007	ppbv #	1
57) Chlorobenzene	8.914	112	429	0.020	ppbv #	55
58) Ethyl Benzene	9.519	91	613	0.015	ppbv	91
59) m/p-Xylene	9.545	91	299	0.009	ppbv #	1
60) o-Xylene	9.956	91	1078	0.033	ppbv	99
61) Styrene	9.869	104	300	0.021	ppbv #	54
62) Isopropylbenzene	10.533	105	1990	0.034	ppbv	90
63) 1,1,2,2-Tetrachloroethane	9.963	83	306	0.015	ppbv #	47
64) n-propylbenzene	10.982	120	316	0.021	ppbv	82
65) tert-Butylbenzene	11.526	119	1740	0.033	ppbv	98
66) Benzyl Chloride	11.607	91	62	0.012	ppbv #	65
67) sec-Butylbenzene	11.762	105	2398	0.033	ppbv #	70
69) p-Isopropyltoluene	11.924	119	1875	0.030	ppbv #	91
70) n-Butylbenzene	12.277	91	1502	0.025	ppbv	94
71) 2-Chlorotoluene	10.895	91	1463	0.032	ppbv	98
72) 4-Ethyltoluene	11.125	105	408	0.010	ppbv #	61
73) 1,3,5-Trimethylbenzene	11.203	105	1041	0.031	ppbv #	68
74) 1,2,4-Trimethylbenzene	11.536	105	789	0.021	ppbv #	49
75) 1,3-Dichlorobenzene	11.610	146	214	0.010	ppbv #	1
76) 1,4-Dichlorobenzene	11.669	146	292	0.014	ppbv #	1
77) 1,2-Dichlorobenzene	11.947	146	561	0.027	ppbv	81
78) Hexachloro-1,3-Butadiene	13.876	225	622	0.036	ppbv #	83
79) Naphthalene	13.520	128	504	0.015	ppbv #	13
80) Naphthalene,2-methyl-	14.475	142	58	0.007	ppbv #	36
81) 1,2,4-Trichlorobenzene	13.442	180	150	0.010	ppbv #	46

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

Quant Time: Nov 19 00:52:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
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QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration

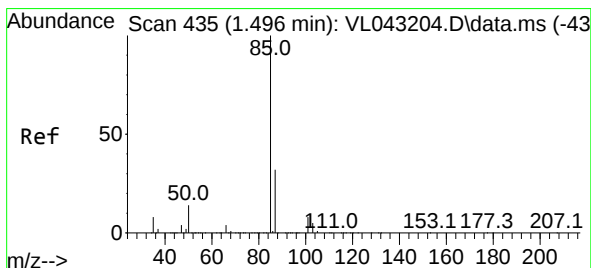
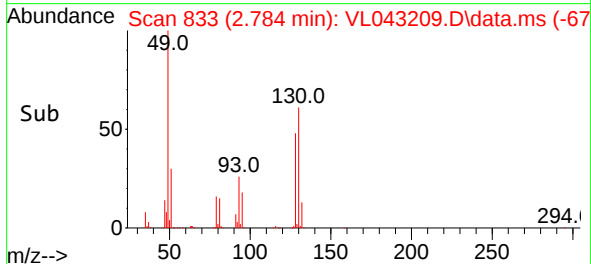
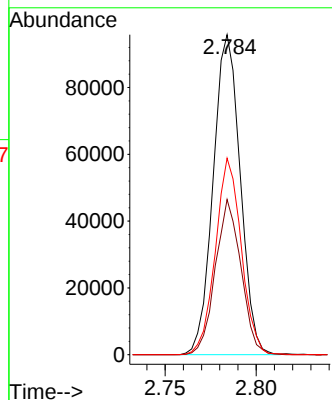
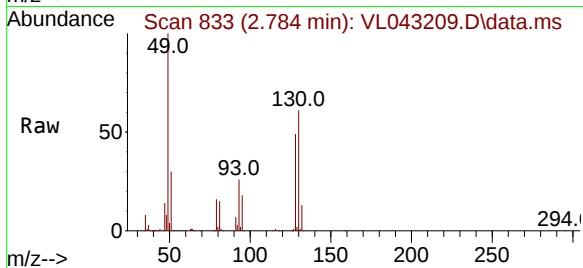




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

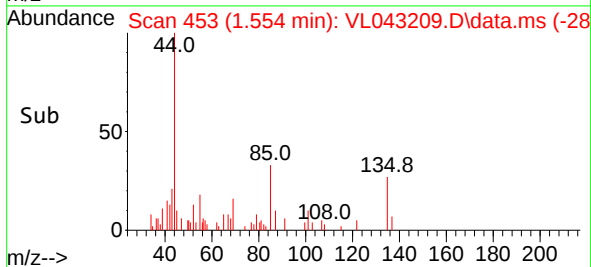
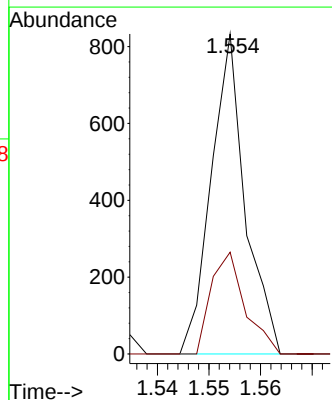
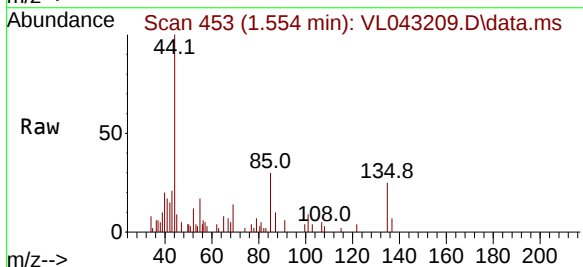
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

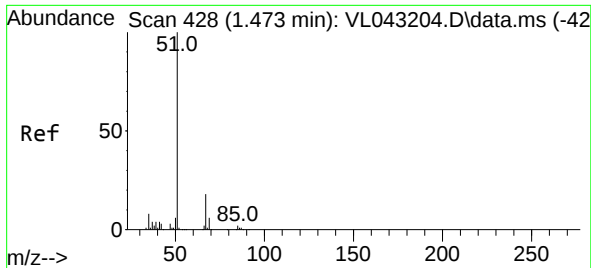
Tgt Ion: 49 Resp: 98952
Ion Ratio Lower Upper
49 100
128 45.9 23.0 69.0
130 58.8 29.9 89.7



#2
Dichlorodifluoromethane
Concen: 0.027 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.058 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 85 Resp: 381
Ion Ratio Lower Upper
85 100
87 31.8 25.4 38.2

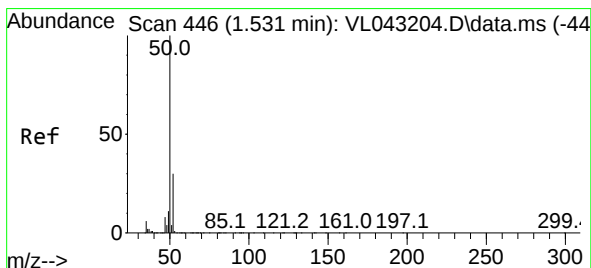
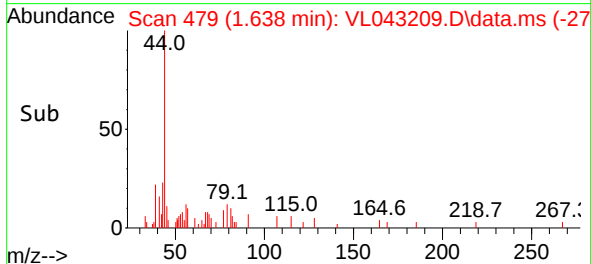
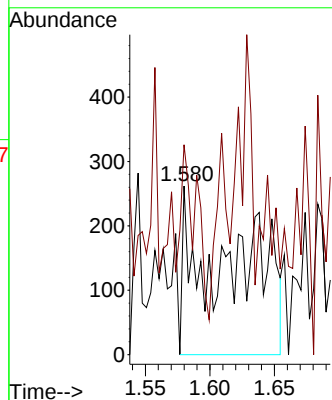
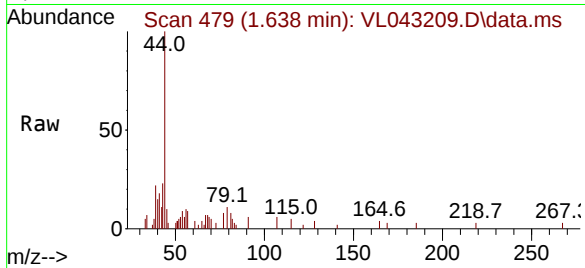




#3
Chlorodifluoromethane
Concen: 0.049 ppbv
RT: 1.638 min Scan# 41
Delta R.T. 0.165 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

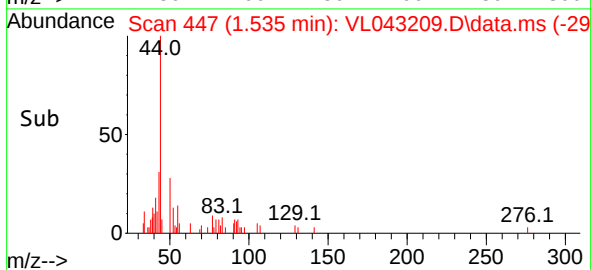
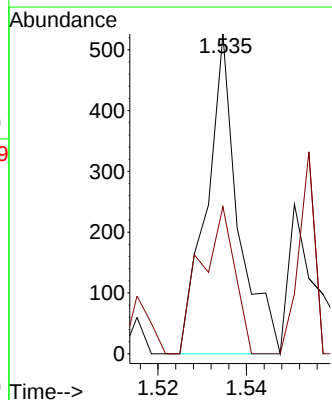
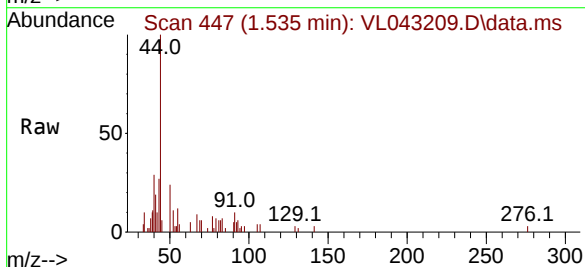
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.03

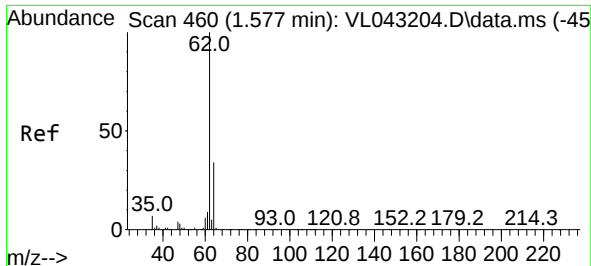
Tgt Ion: 51 Resp: 673
Ion Ratio Lower Upper
51 100
67 20.8 14.9 22.3



#4
Chloromethane
Concen: 0.050 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 50 Resp: 260
Ion Ratio Lower Upper
50 100
52 46.0 24.1 36.1#

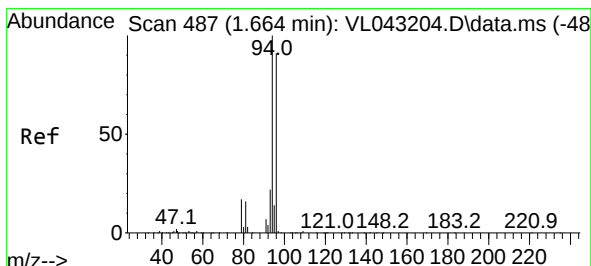
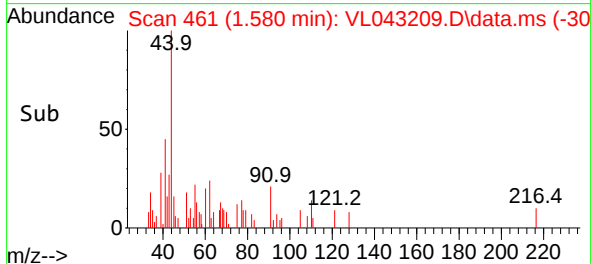
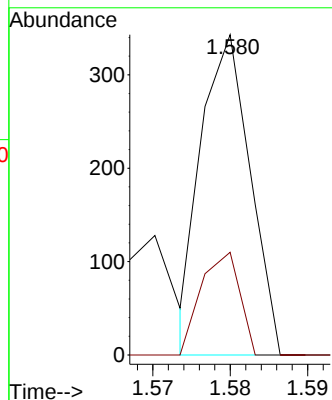
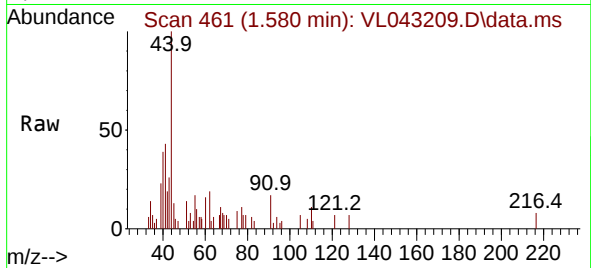




#5
 Vinyl Chloride
 Concen: 0.026 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL043209.D
 Acq: 18 Nov 2025 12:49

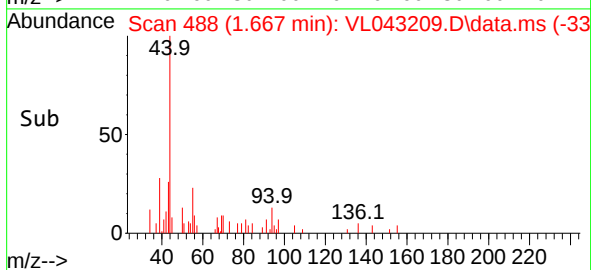
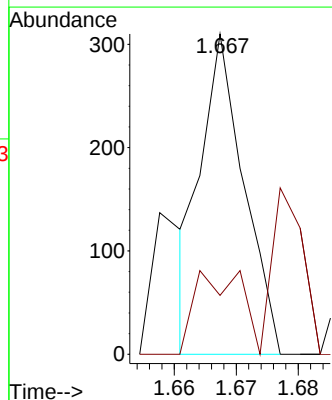
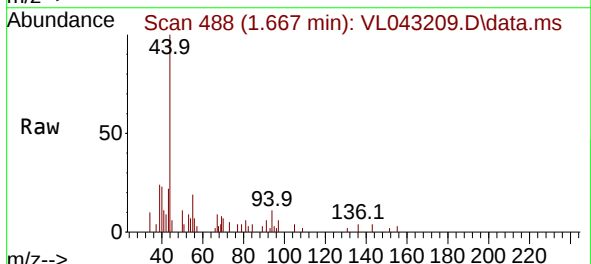
Instrument :
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 ClientSampleId :
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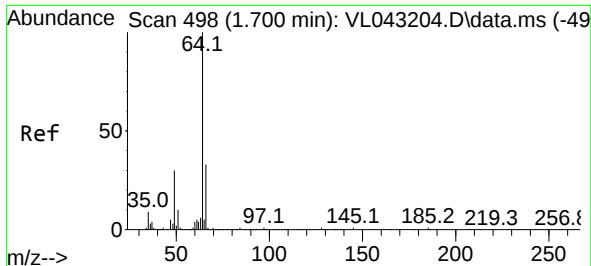
Tgt Ion: 62 Resp: 150
 Ion Ratio Lower Upper
 62 100
 64 26.3 27.3 40.9#



#6
 Bromomethane
 Concen: 0.054 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.003 min
 Lab File: VL043209.D
 Acq: 18 Nov 2025 12:49

Tgt Ion: 94 Resp: 148
 Ion Ratio Lower Upper
 94 100
 96 18.4 72.9 109.3#

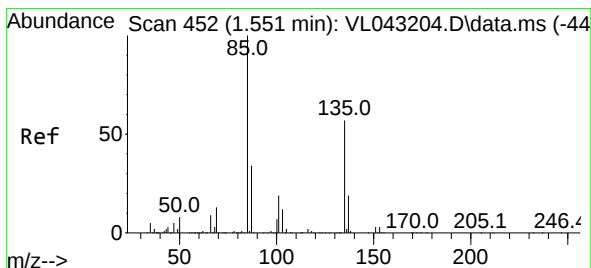
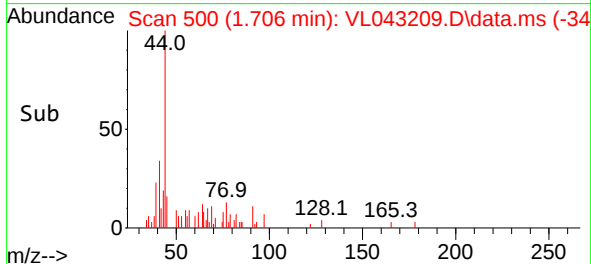
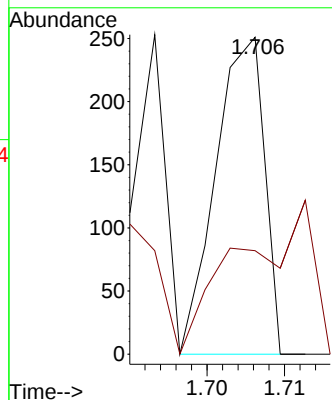
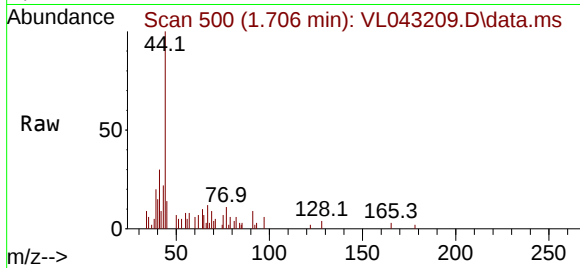




#7
Chloroethane
Concen: 0.049 ppbv
RT: 1.706 min Scan# 50
Delta R.T. 0.006 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

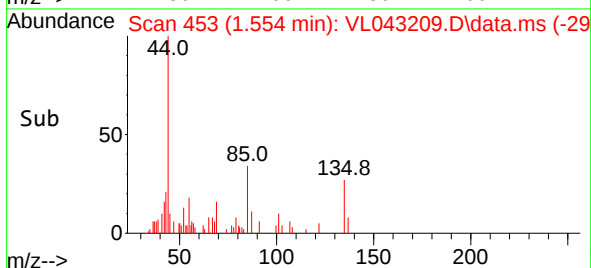
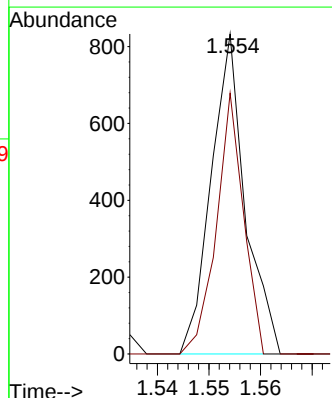
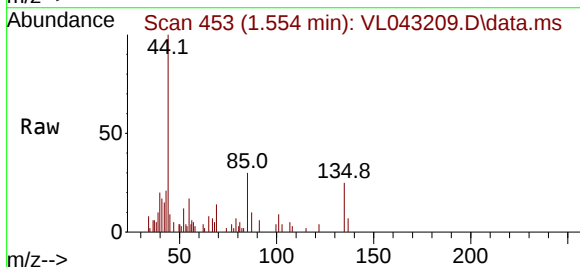
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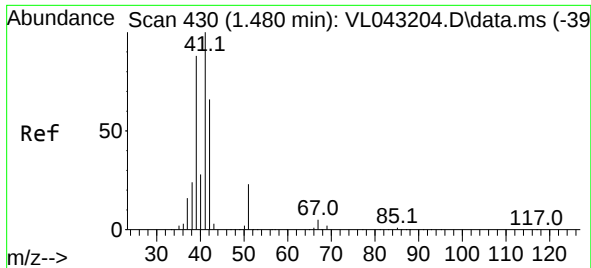
Tgt Ion: 64 Resp: 109
Ion Ratio Lower Upper
64 100
66 19.6 26.8 40.2#



#8
Dichlorotetrafluoroethane
Concen: 0.033 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 85 Resp: 381
Ion Ratio Lower Upper
85 100
135 64.8 52.6 79.0





#9

Propene

Concen: 0.069 ppbv

RT: 1.489 min Scan# 41

Delta R.T. 0.010 min

Lab File: VL043209.D

Acq: 18 Nov 2025 12:49

Instrument :

MSVOA_L

ClientSampleId :

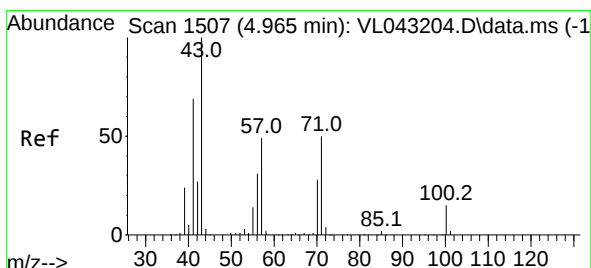
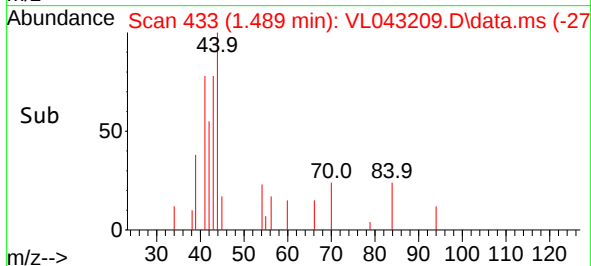
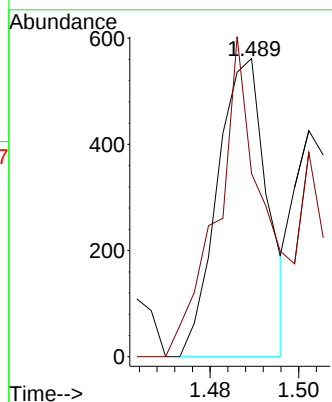
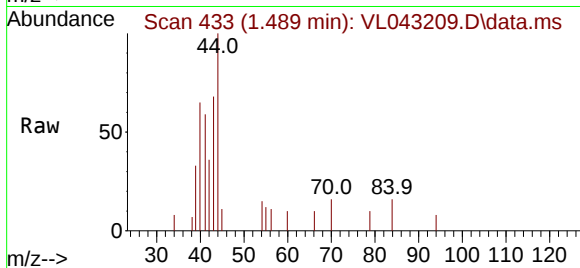
VSTDIC0.03

Tgt Ion: 41 Resp: 440

Ion Ratio Lower Upper

41 100

42 147.5 3.7 5.5#



#10

Heptane

Concen: 0.011 ppbv

RT: 4.969 min Scan# 1508

Delta R.T. 0.003 min

Lab File: VL043209.D

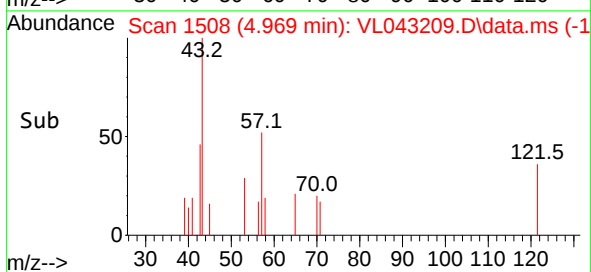
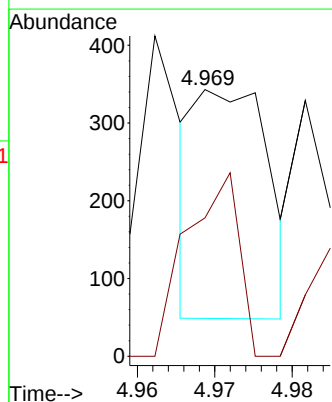
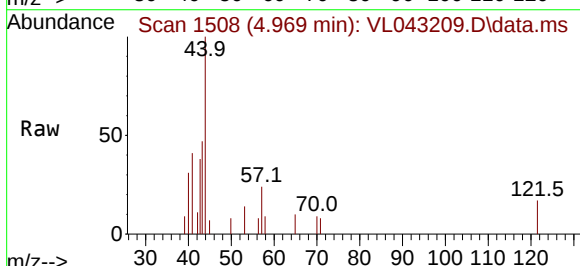
Acq: 18 Nov 2025 12:49

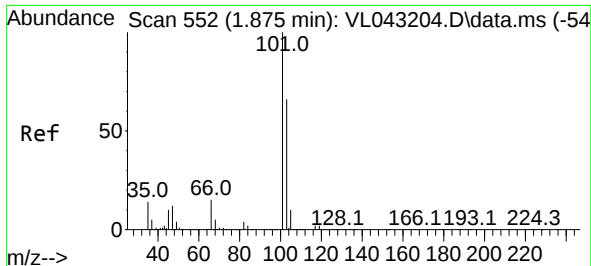
Tgt Ion: 43 Resp: 193

Ion Ratio Lower Upper

43 100

57 146.1 39.7 59.5#

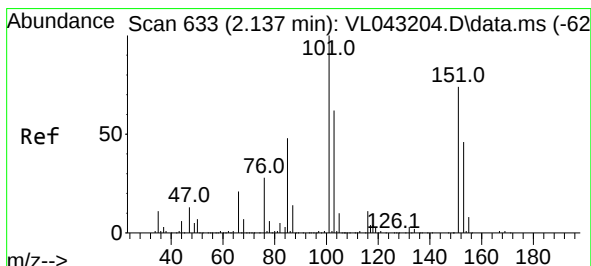
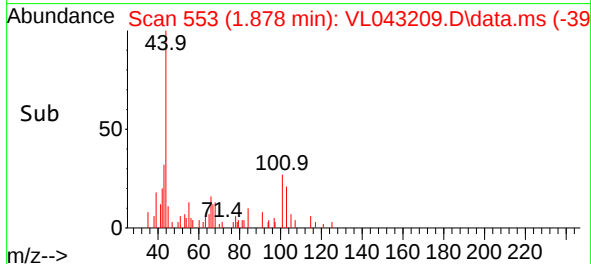
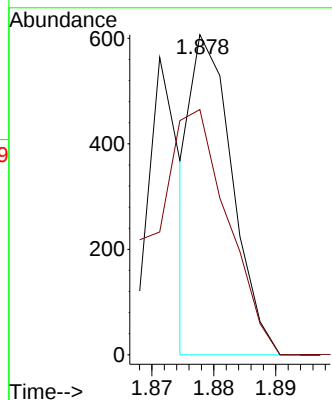
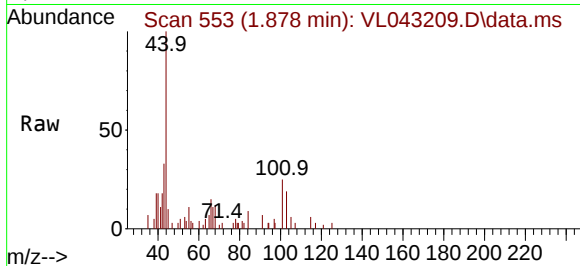




#11
 Trichlorofluoromethane
 Concen: 0.020 ppbv
 RT: 1.878 min Scan# 511
 Delta R.T. 0.003 min
 Lab File: VL043209.D
 Acq: 18 Nov 2025 12:49

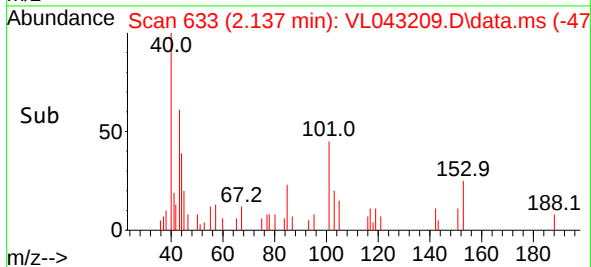
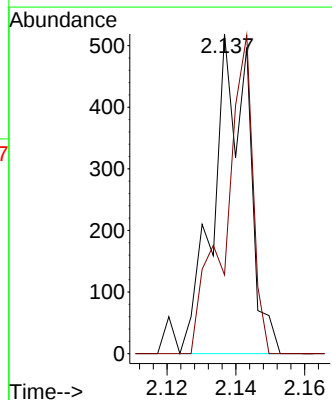
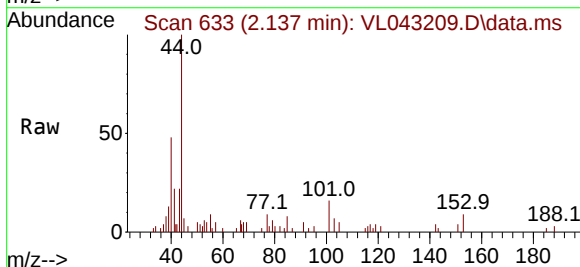
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

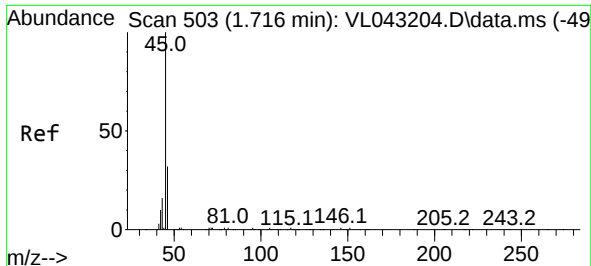
Tgt Ion:101 Resp: 277
 Ion Ratio Lower Upper
 101 100
 103 76.6 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.035 ppbv
 RT: 2.137 min Scan# 633
 Delta R.T. 0.000 min
 Lab File: VL043209.D
 Acq: 18 Nov 2025 12:49

Tgt Ion:101 Resp: 368
 Ion Ratio Lower Upper
 101 100
 151 77.4 59.2 88.8

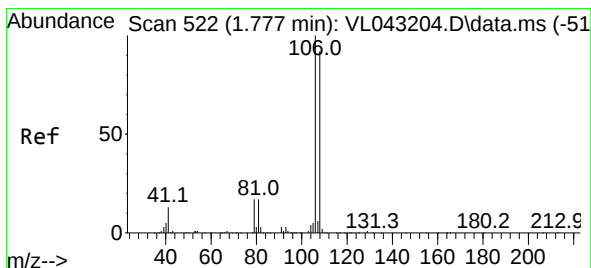
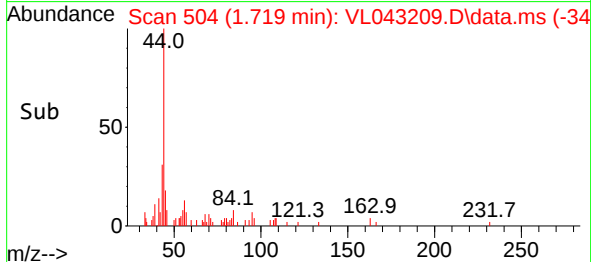
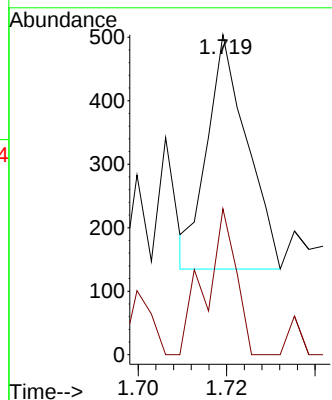
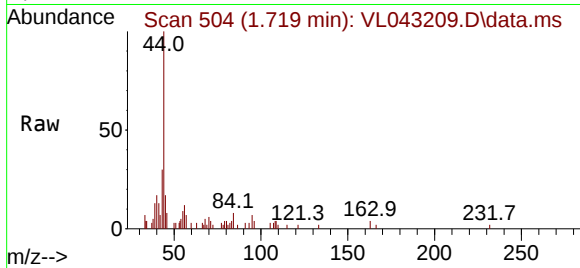




#13
 Ethanol
 Concen: 0.112 ppbv
 RT: 1.719 min Scan# 503
 Delta R.T. 0.003 min
 Lab File: VL043209.D
 Acq: 18 Nov 2025 12:49

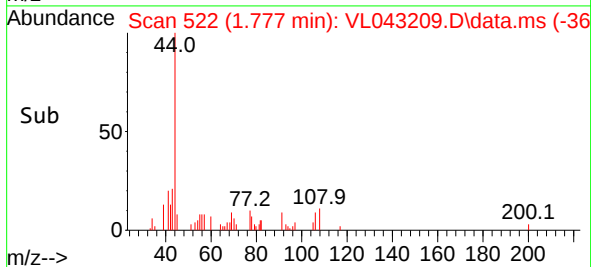
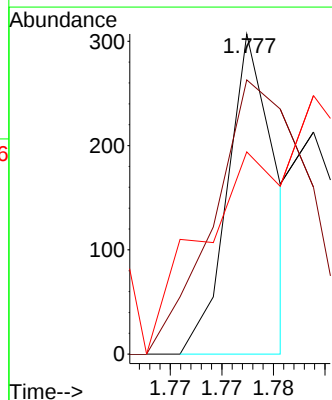
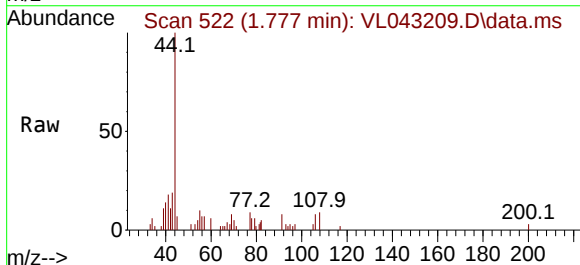
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

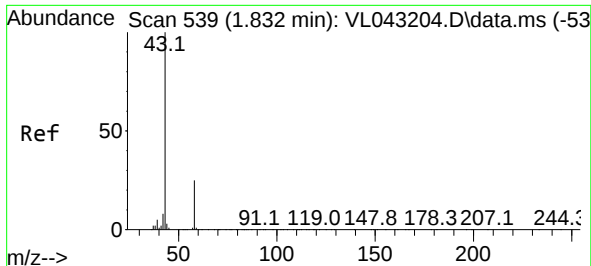
Tgt Ion: 45 Resp: 229
 Ion Ratio Lower Upper
 45 100
 46 0.0 15.0 59.8#



#14
 Bromoethene
 Concen: 0.025 ppbv
 RT: 1.777 min Scan# 522
 Delta R.T. 0.000 min
 Lab File: VL043209.D
 Acq: 18 Nov 2025 12:49

Tgt Ion: 108 Resp: 102
 Ion Ratio Lower Upper
 108 100
 106 158.8 88.9 133.3#
 79 0.0 16.5 24.7#

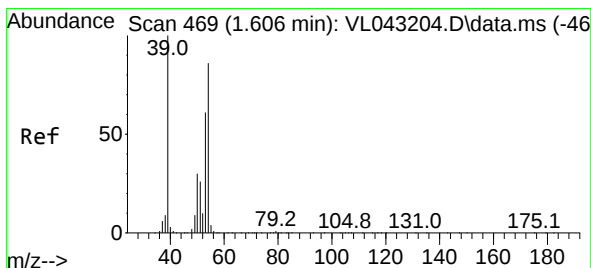
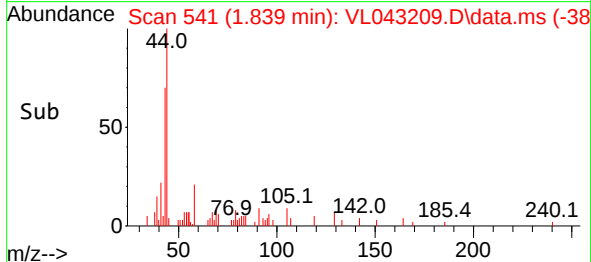
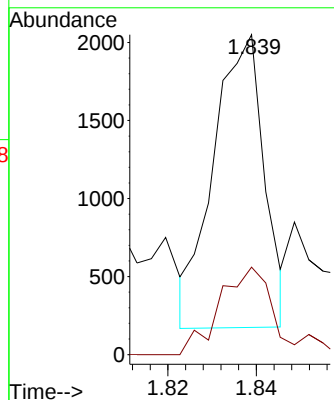
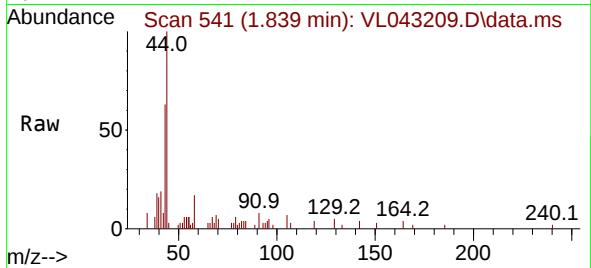




#15
Acetone
Concen: 0.108 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.006 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

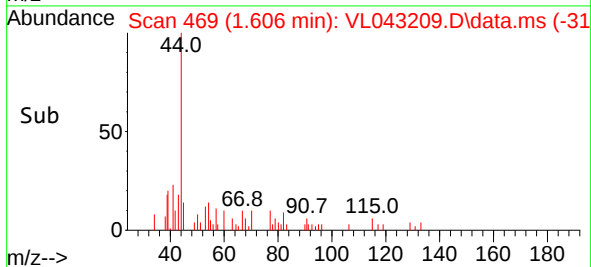
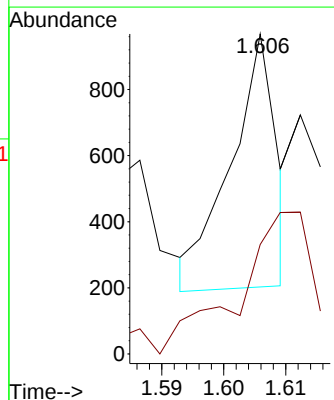
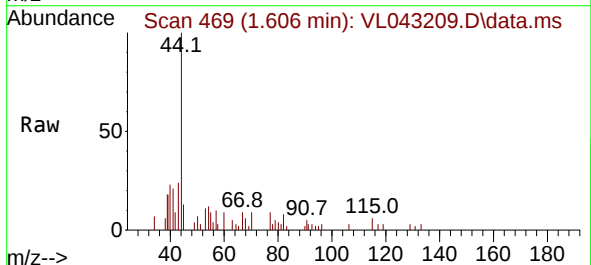
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

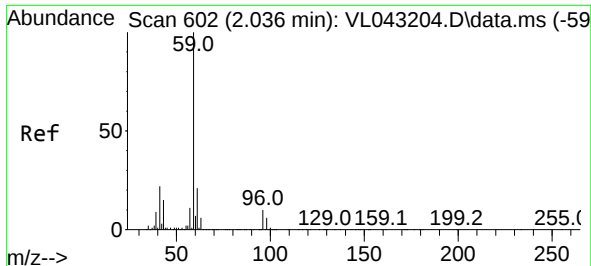
Tgt Ion: 43 Resp: 1490
Ion Ratio Lower Upper
43 100
58 32.8 20.7 31.1#



#16
1,3-Butadiene
Concen: 0.064 ppbv
RT: 1.606 min Scan# 469
Delta R.T. 0.000 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 39 Resp: 392
Ion Ratio Lower Upper
39 100
54 0.0 59.4 89.2#





#17

tert-Butyl alcohol

Concen: 0.028 ppbv

RT: 2.040 min Scan# 602

Delta R.T. 0.003 min

Lab File: VL043209.D

Acq: 18 Nov 2025 12:49

Instrument :

MSVOA_L

ClientSampleId :

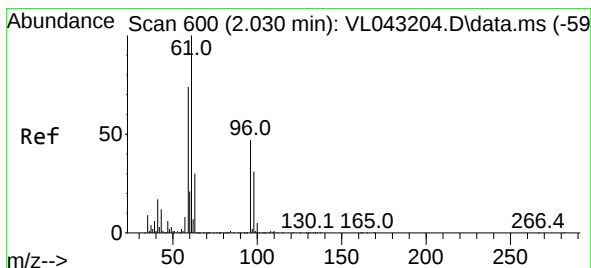
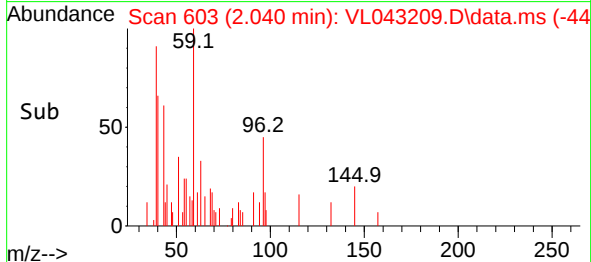
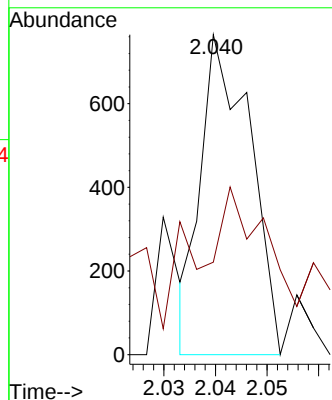
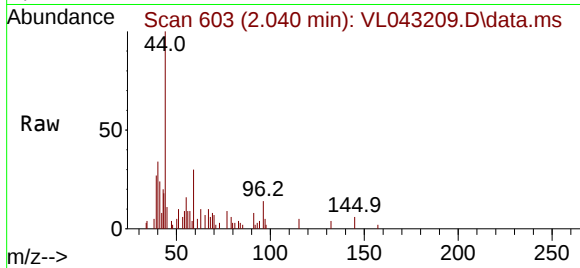
VSTDIC0.03

Tgt Ion: 59 Resp: 506

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



#18

1,1-Dichloroethene

Concen: 0.026 ppbv

RT: 2.033 min Scan# 601

Delta R.T. 0.003 min

Lab File: VL043209.D

Acq: 18 Nov 2025 12:49

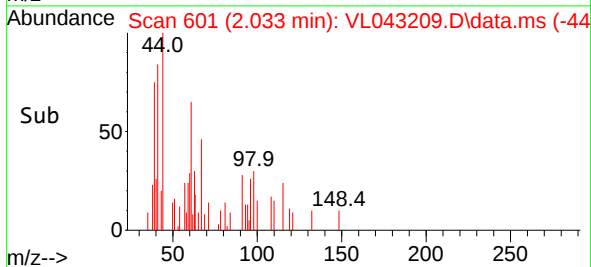
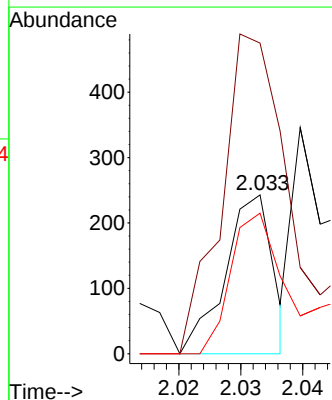
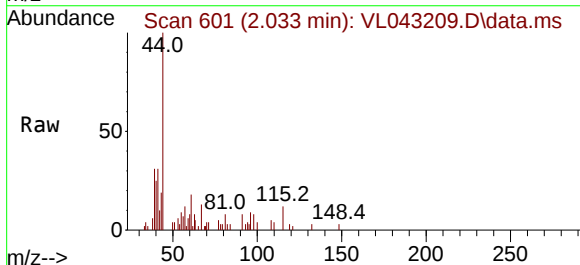
Tgt Ion: 96 Resp: 130

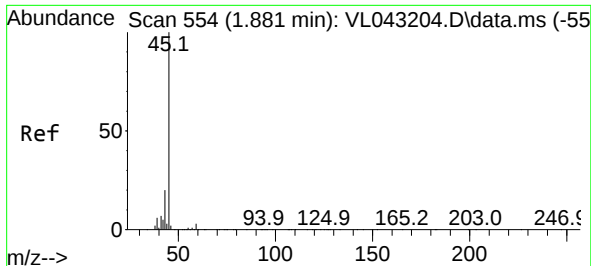
Ion Ratio Lower Upper

96 100

61 219.8 170.6 255.8

98 88.5 52.2 78.4#

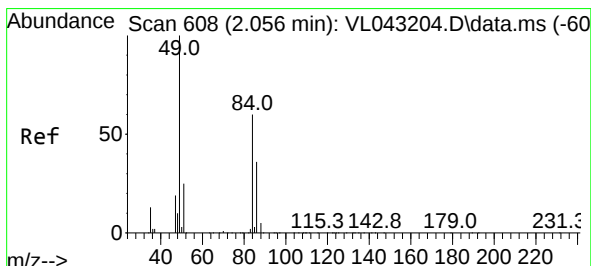
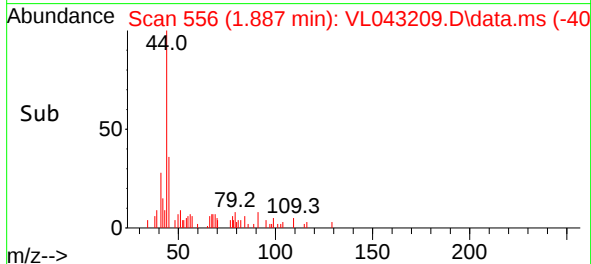
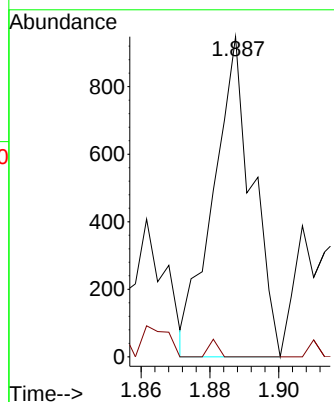
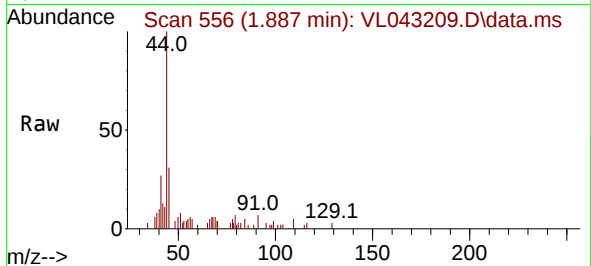




#19
Isopropyl Alcohol
Concen: 0.096 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.006 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

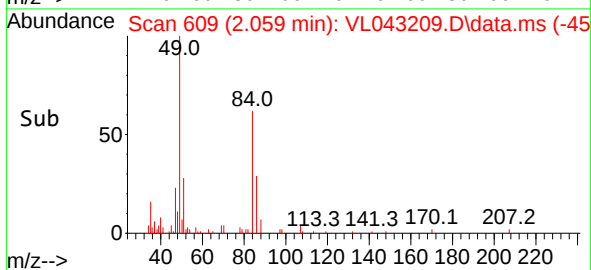
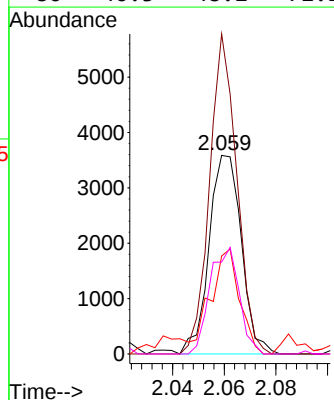
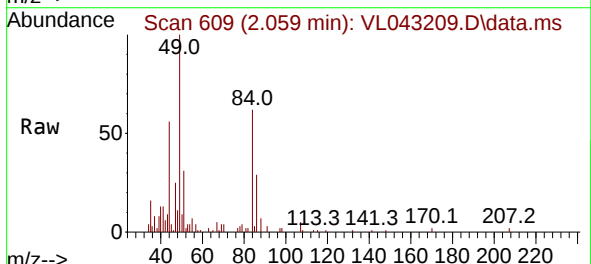
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.03

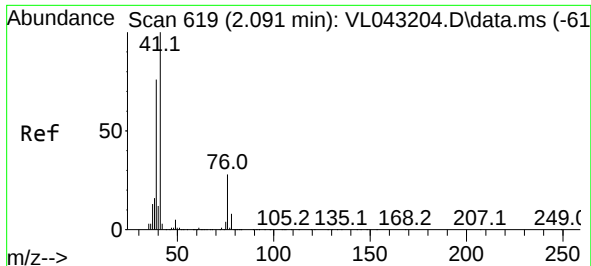
Tgt Ion: 45 Resp: 746
Ion Ratio Lower Upper
45 100
58 7.6 31.3 46.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.059 min Scan# 609
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 84 Resp: 3122
Ion Ratio Lower Upper
84 100
49 161.1 132.9 199.3
51 44.7 34.8 52.2
86 46.3 48.2 72.2#

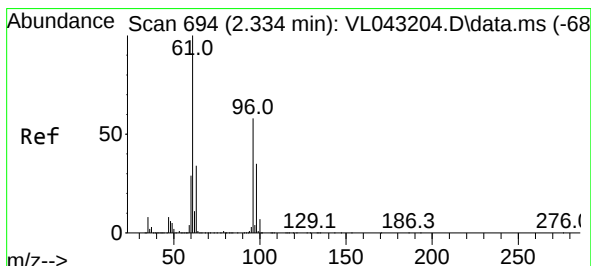
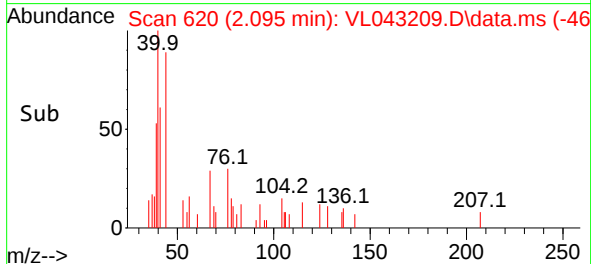
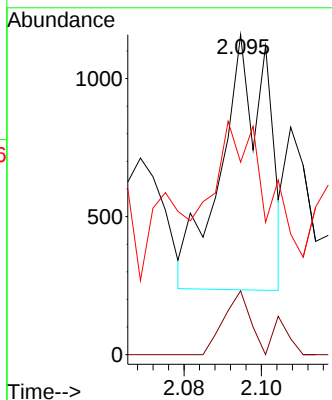
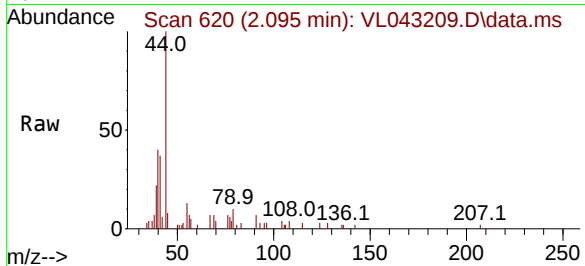




#21
 Allyl Chloride
 Concen: 0.084 ppbv
 RT: 2.095 min Scan# 619
 Delta R.T. 0.003 min
 Lab File: VL043209.D
 Acq: 18 Nov 2025 12:49

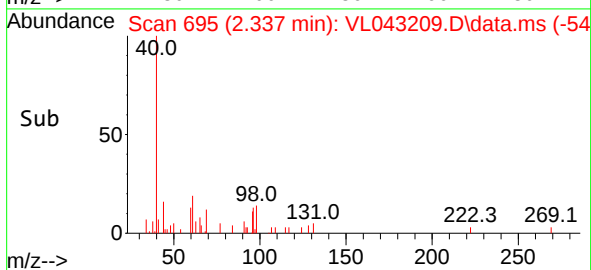
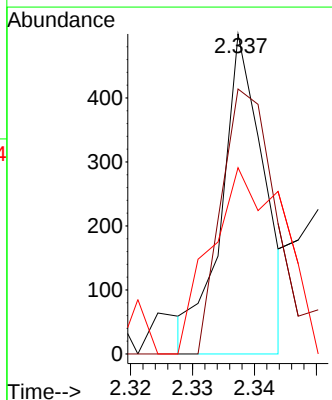
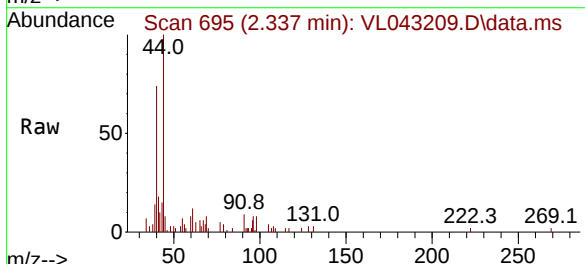
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.03

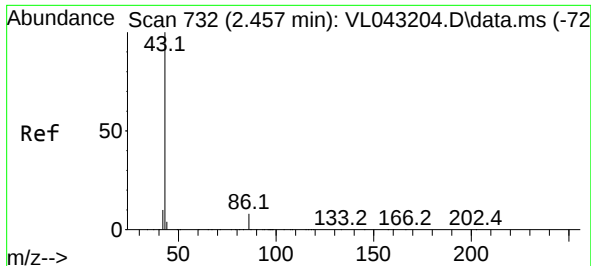
Tgt Ion: 41 Resp: 774
 Ion Ratio Lower Upper
 41 100
 76 19.1 22.1 33.1#
 39 161.5 61.0 91.4#



#22
 trans-1,2-Dichloroethene
 Concen: 0.043 ppbv
 RT: 2.337 min Scan# 695
 Delta R.T. 0.003 min
 Lab File: VL043209.D
 Acq: 18 Nov 2025 12:49

Tgt Ion: 96 Resp: 240
 Ion Ratio Lower Upper
 96 100
 61 93.9 139.0 208.6#
 98 66.0 49.4 74.2

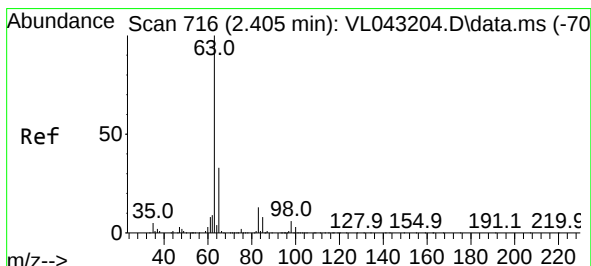
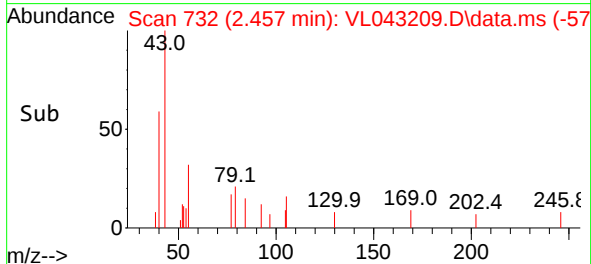
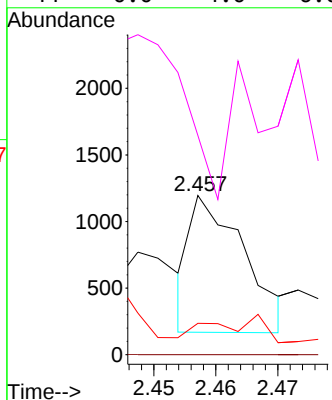
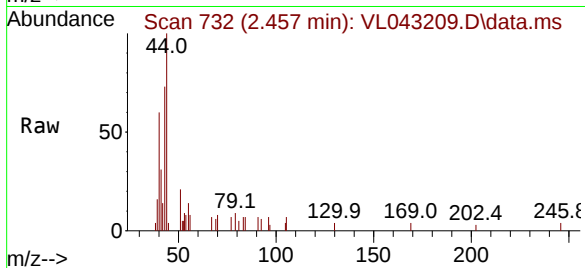




#23
 Vinyl Acetate
 Concen: 0.038 ppbv
 RT: 2.457 min Scan# 715
 Delta R.T. 0.000 min
 Lab File: VL043209.D
 Acq: 18 Nov 2025 12:49

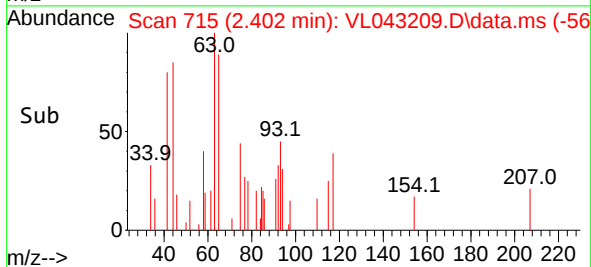
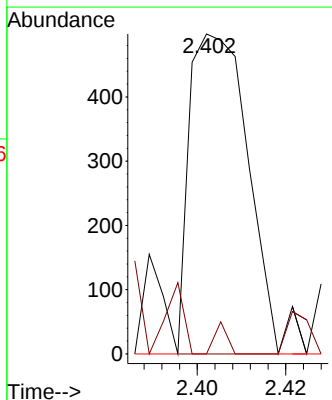
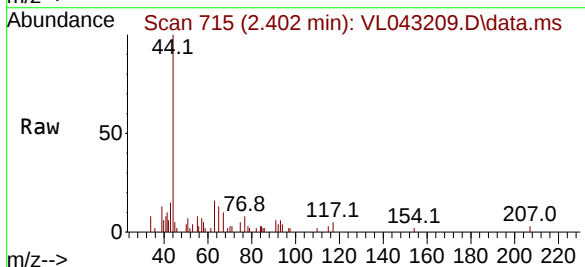
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.03

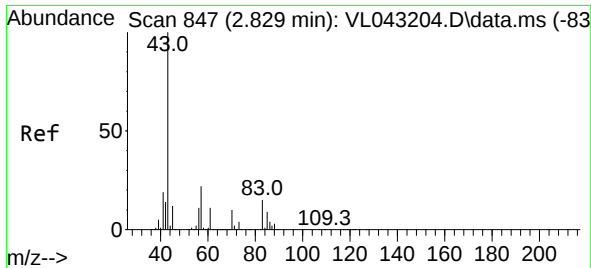
Tgt Ion:	43	Resp:	627
Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.2	9.2#
42	19.3	8.0	12.0#
44	0.0	4.0	6.0#



#24
 1,1-Dichloroethane
 Concen: 0.042 ppbv
 RT: 2.402 min Scan# 715
 Delta R.T. -0.003 min
 Lab File: VL043209.D
 Acq: 18 Nov 2025 12:49

Tgt Ion:	63	Resp:	453
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.8	8.4#
100	0.0	1.3	3.9#

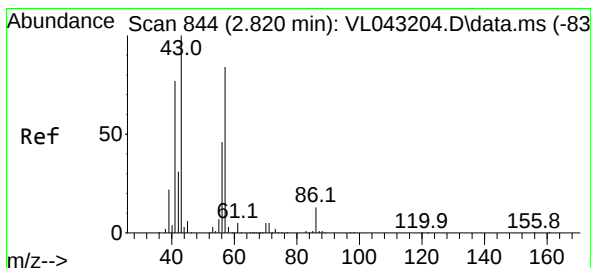
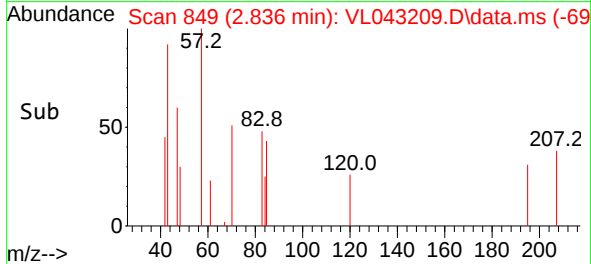
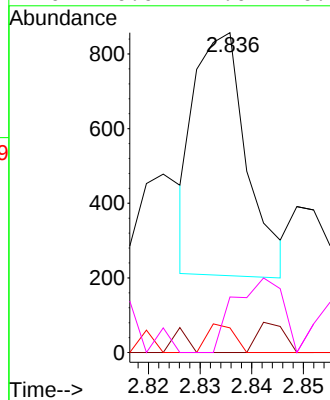
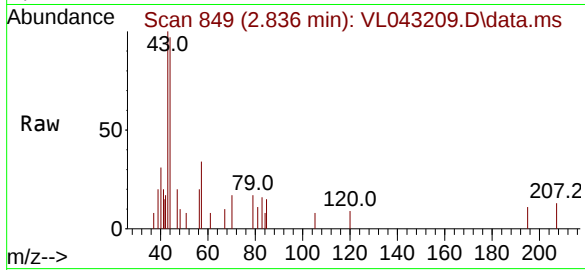




#25
Ethyl Acetate
Concen: 0.015 ppbv
RT: 2.836 min Scan# 847
Delta R.T. 0.006 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

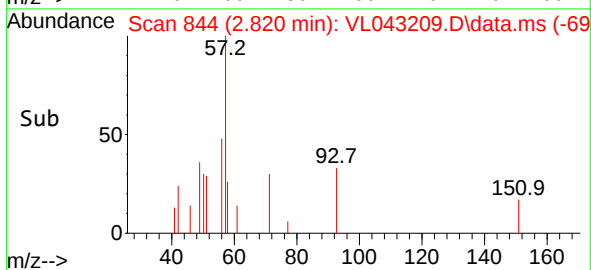
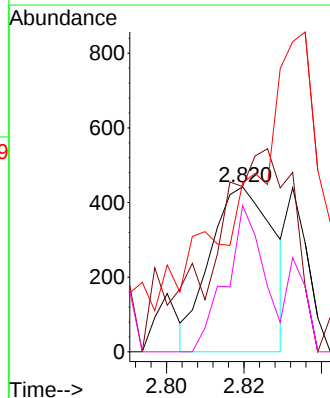
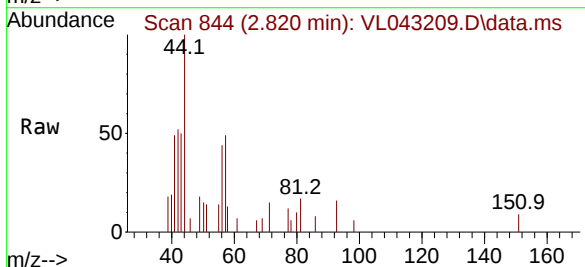
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

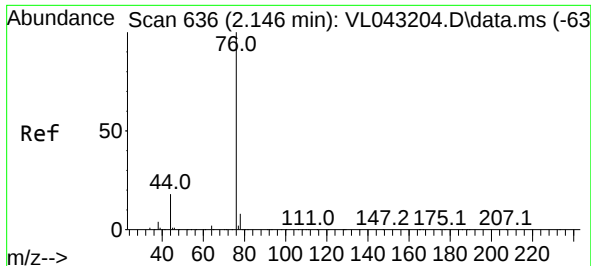
Tgt Ion: 43	Resp: 455
Ion Ratio	Lower Upper
43 100	
45 0.0	8.1 12.1#
61 8.6	7.0 10.4
70 0.0	7.0 10.6#



#26
Hexane
Concen: 0.038 ppbv
RT: 2.820 min Scan# 844
Delta R.T. 0.000 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 57	Resp:	499	
Ion	Ratio	Lower	Upper
57	100		
41	0.0	74.6	111.8#
43	0.0	179.0	268.4#
56	73.3	42.3	63.5#

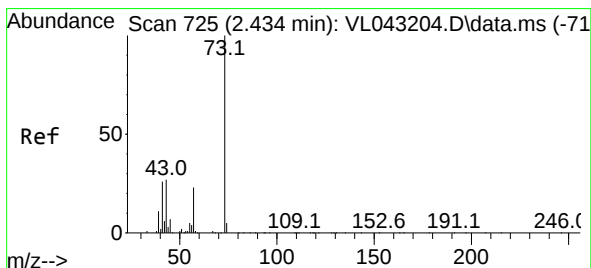
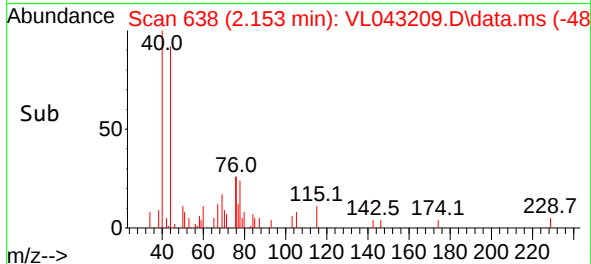
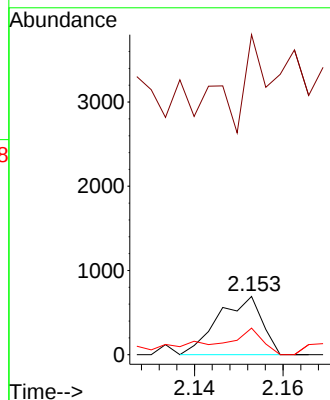
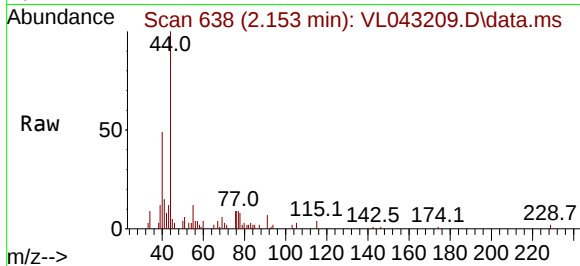




#27
Carbon Disulfide
Concen: 0.036 ppbv
RT: 2.153 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

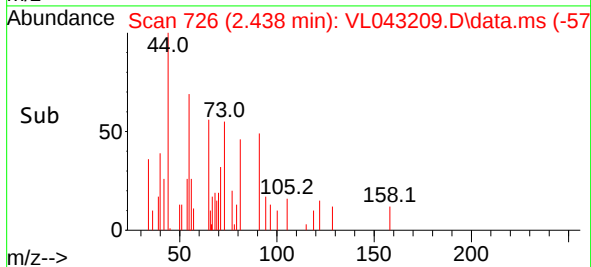
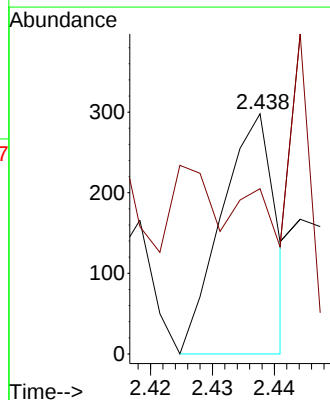
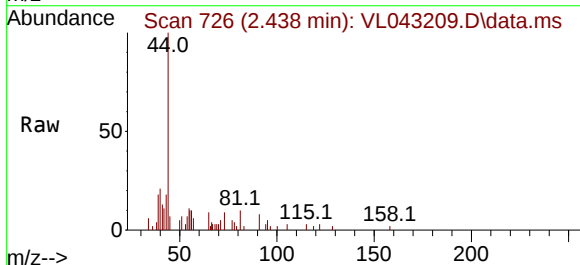
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.03

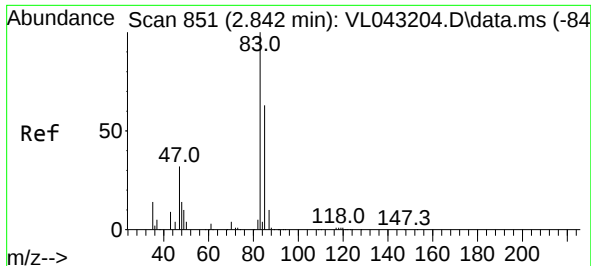
Tgt Ion: 76 Resp: 477
Ion Ratio Lower Upper
76 100
44 1027.0 16.1 24.1#
78 43.6 9.6 14.4#



#28
Methyl tert-Butyl Ether
Concen: 0.028 ppbv
RT: 2.438 min Scan# 726
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 73 Resp: 181
Ion Ratio Lower Upper
73 100
57 0.0 19.8 29.8#





#29

Chloroform

Concen: 0.008 ppbv

RT: 2.399 min Scan# 714

Delta R.T. -0.443 min

Lab File: VL043209.D

Acq: 18 Nov 2025 12:49

Instrument :

MSVOA_L

ClientSampleId :

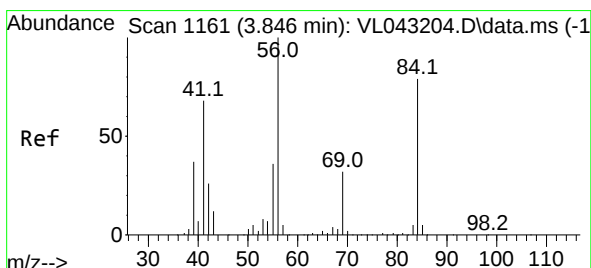
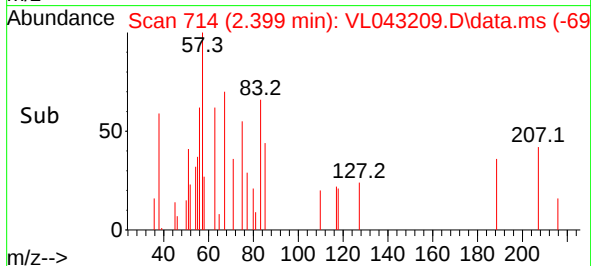
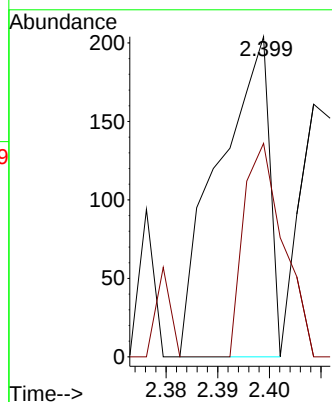
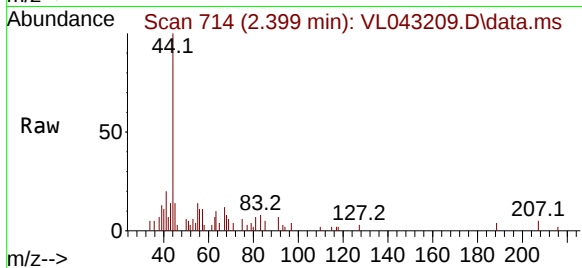
VSTDIC0.03

Tgt Ion: 83 Resp: 140

Ion Ratio Lower Upper

83 100

85 66.7 50.5 75.7



#30

Cyclohexane

Concen: 0.016 ppbv

RT: 3.846 min Scan# 1161

Delta R.T. 0.000 min

Lab File: VL043209.D

Acq: 18 Nov 2025 12:49

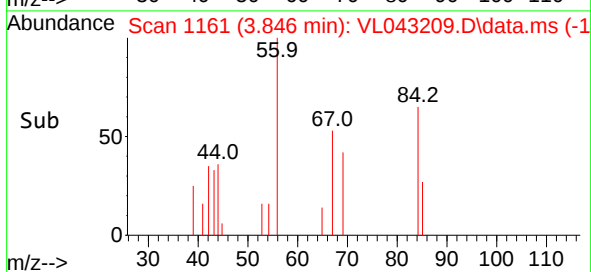
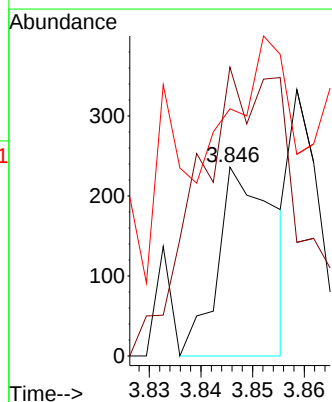
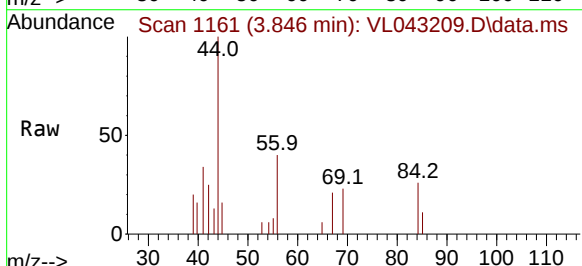
Tgt Ion: 84 Resp: 179

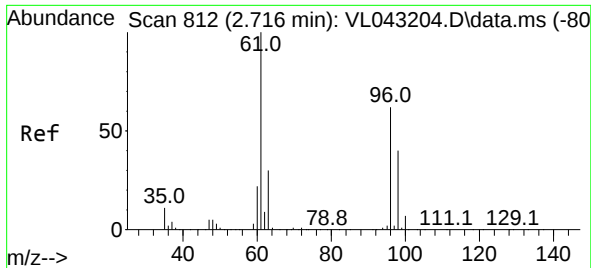
Ion Ratio Lower Upper

84 100

56 369.8 104.7 157.1#

41 0.0 69.0 103.6#

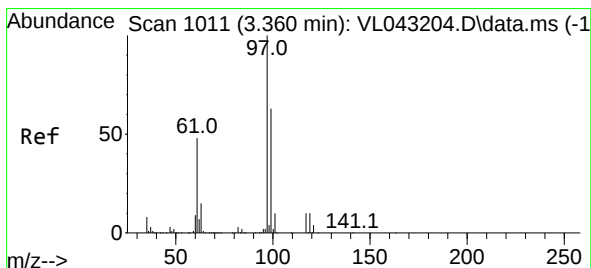
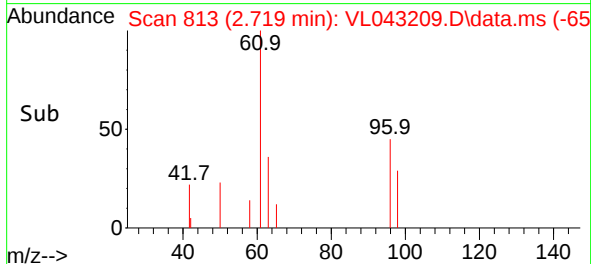
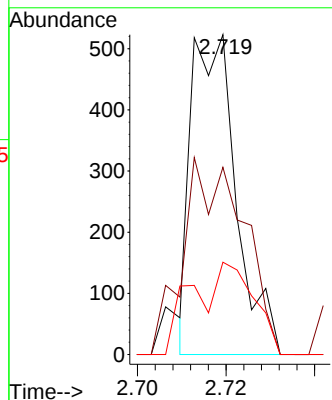
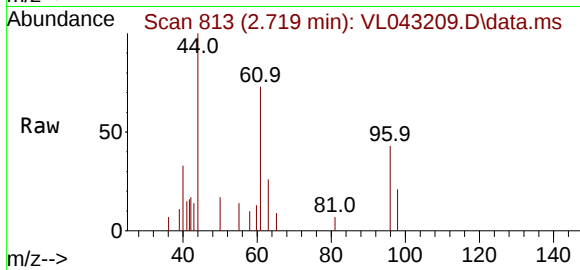




#31
 cis-1,2-Dichloroethene
 Concen: 0.029 ppbv
 RT: 2.719 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VL043209.D
 Acq: 18 Nov 2025 12:49

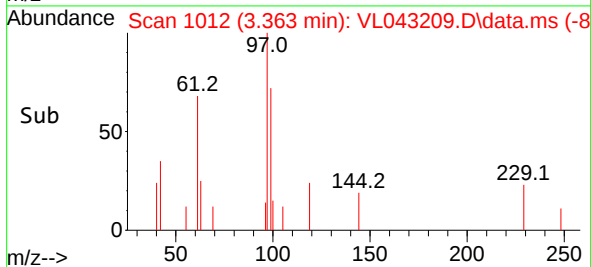
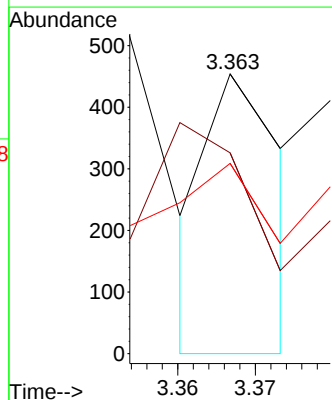
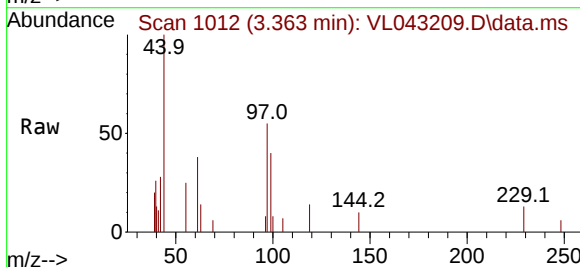
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

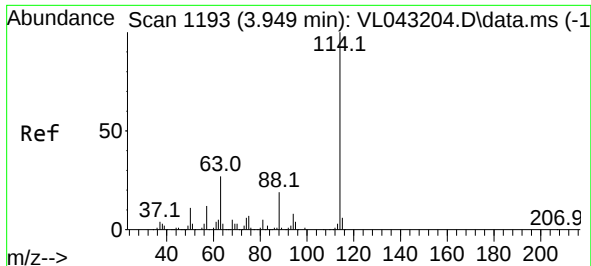
Tgt Ion: 61 Resp: 369
 Ion Ratio Lower Upper
 61 100
 96 58.5 49.3 73.9
 98 28.9 32.1 48.1#



#32
 1,1,1-Trichloroethane
 Concen: 0.008 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. 0.003 min
 Lab File: VL043209.D
 Acq: 18 Nov 2025 12:49

Tgt Ion: 97 Resp: 153
 Ion Ratio Lower Upper
 97 100
 99 233.3 50.3 75.5#
 61 0.0 38.9 58.3#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. 0.003 min

Lab File: VL043209.D

Acq: 18 Nov 2025 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.03

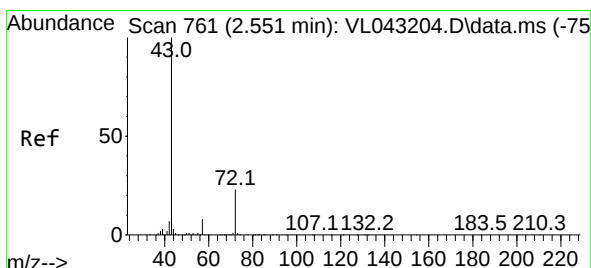
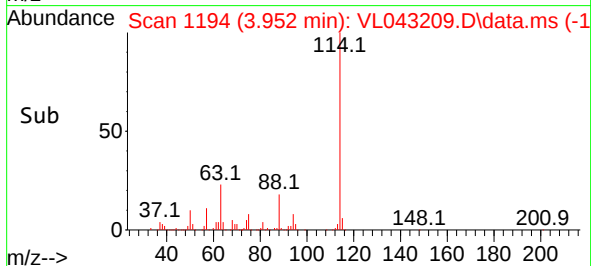
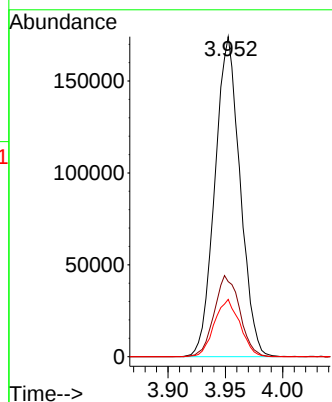
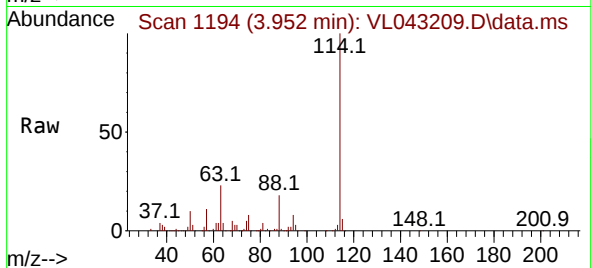
Tgt Ion:114 Resp: 266012

Ion Ratio Lower Upper

114 100

63 25.7 21.0 31.6

88 18.2 14.9 22.3



#34

2-Butanone

Concen: 0.005 ppbv

RT: 2.545 min Scan# 759

Delta R.T. -0.006 min

Lab File: VL043209.D

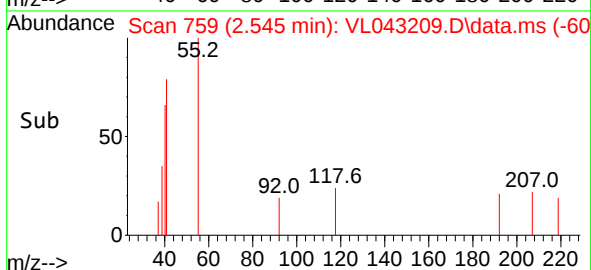
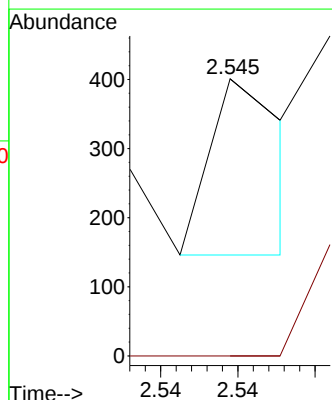
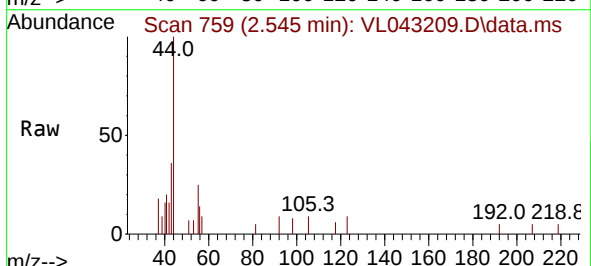
Acq: 18 Nov 2025 12:49

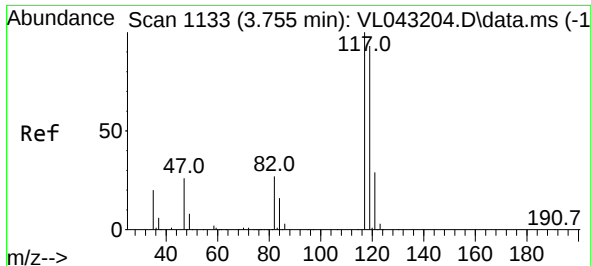
Tgt Ion: 43 Resp: 88

Ion Ratio Lower Upper

43 100

72 0.0 18.1 27.1#

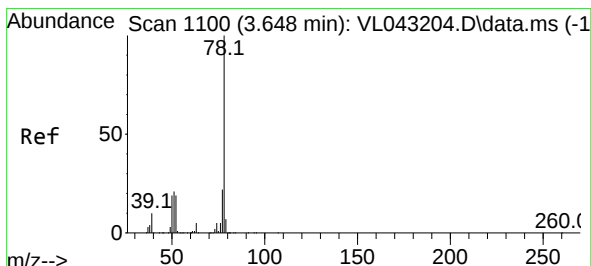
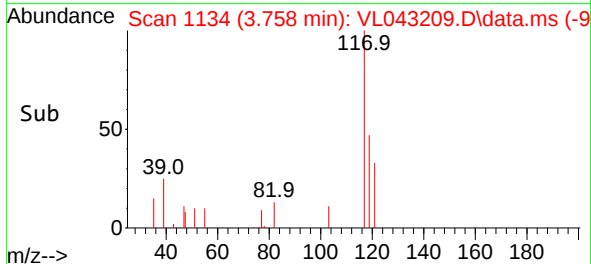
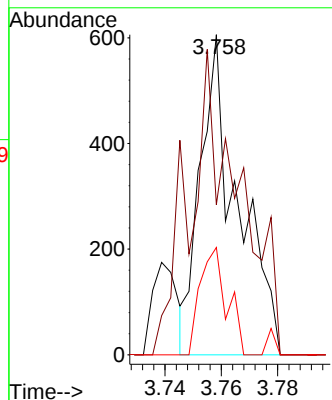
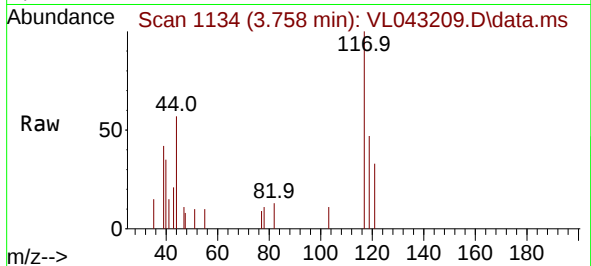




#35
Carbon Tetrachloride
Concen: 0.028 ppbv
RT: 3.758 min Scan# 1133
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

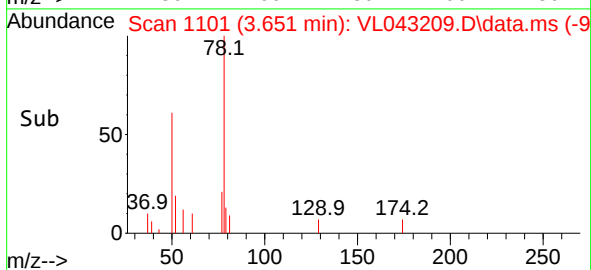
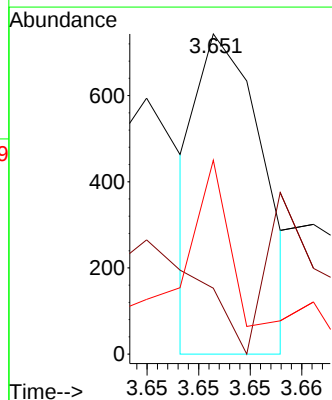
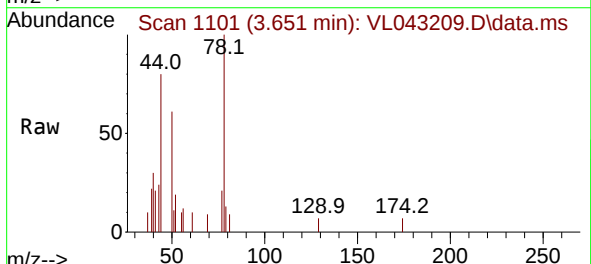
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

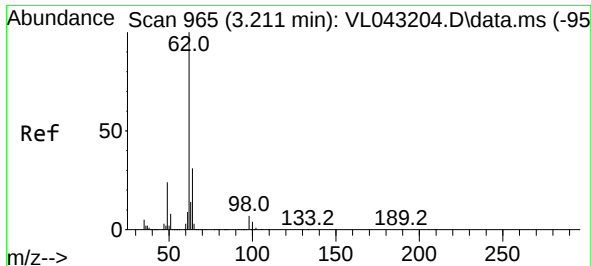
Tgt Ion:117 Resp: 558
Ion Ratio Lower Upper
117 100
119 46.9 74.6 112.0#
121 33.5 23.2 34.8



#36
Benzene
Concen: 0.013 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 78 Resp: 323
Ion Ratio Lower Upper
78 100
77 0.0 17.5 26.3#
50 81.8 15.5 23.3#





#37

1,2-Dichloroethane

Concen: 0.020 ppbv

RT: 3.211 min Scan# 9

Delta R.T. 0.000 min

Lab File: VL043209.D

Acq: 18 Nov 2025 12:49

Instrument :

MSVOA_L

ClientSampleId :

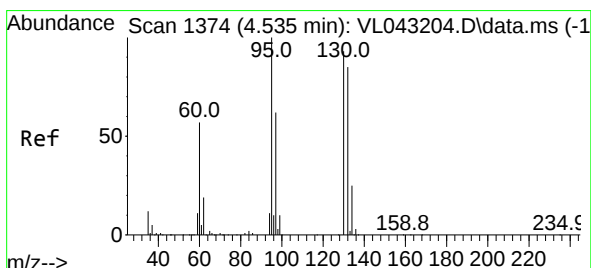
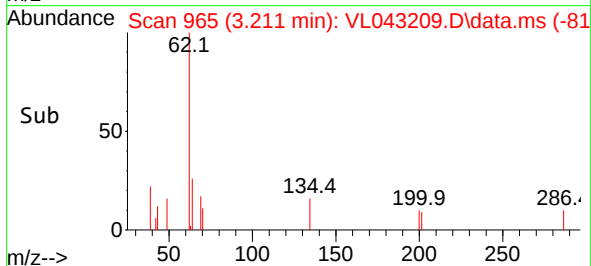
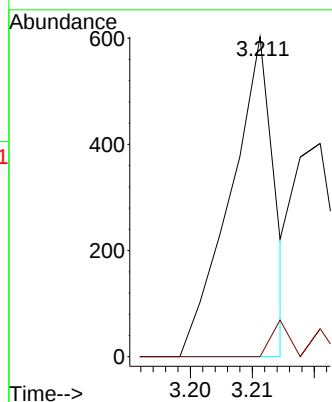
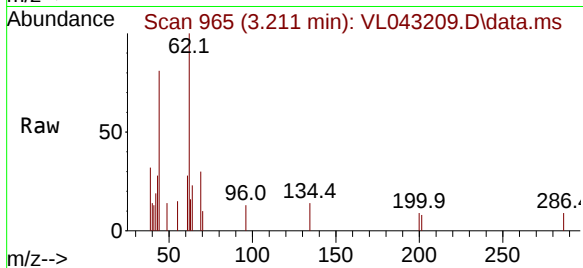
VSTDIC0.03

Tgt Ion: 62 Resp: 298

Ion Ratio Lower Upper

62 100

98 0.0 5.5 8.3#



#38

Trichloroethene

Concen: 0.012 ppbv

RT: 4.542 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VL043209.D

Acq: 18 Nov 2025 12:49

Tgt Ion: 130 Resp: 123

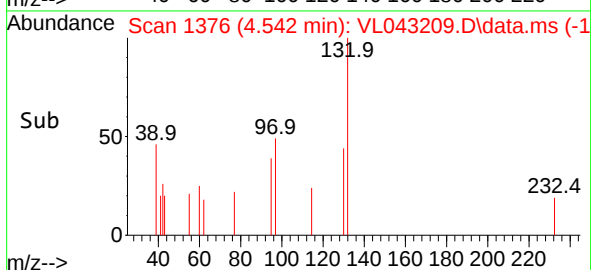
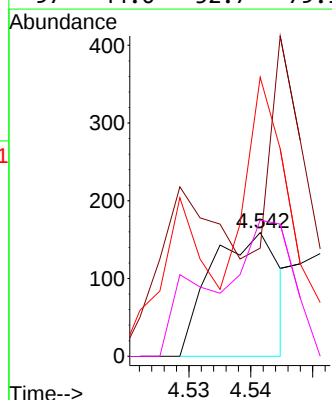
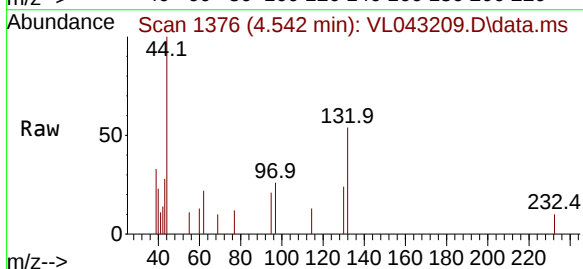
Ion Ratio Lower Upper

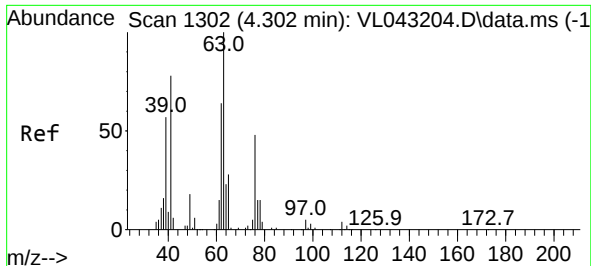
130 100

95 0.0 85.7 128.5#

132 97.5 73.4 110.0

97 44.0 52.7 79.1#





#39

1,2-Dichloropropane

Concen: 7.318 ppbv

RT: 3.949 min Scan# 1193

Delta R.T. -0.353 min

Lab File: VL043209.D

Acq: 18 Nov 2025 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

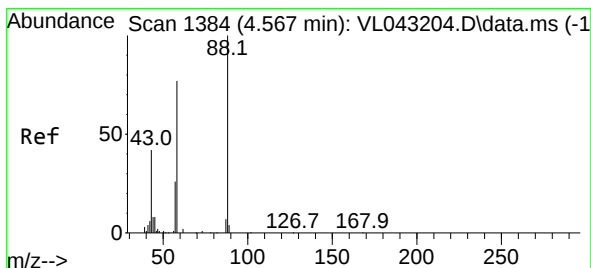
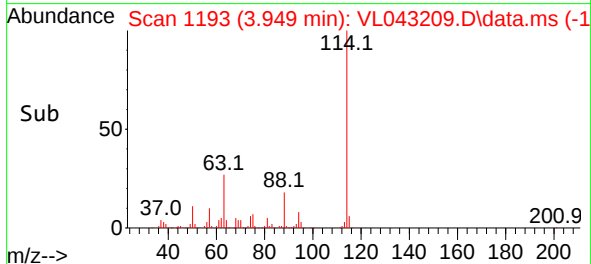
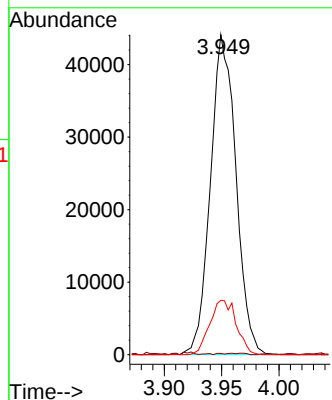
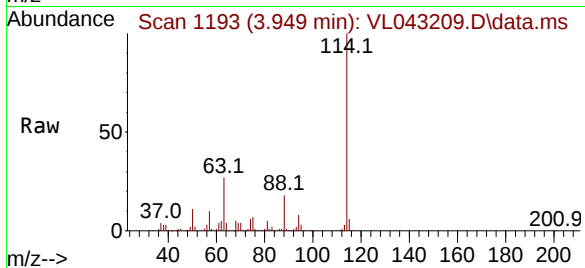
Tgt Ion: 63 Resp: 68235

Ion Ratio Lower Upper

63 100

41 0.4 62.6 93.8#

62 17.0 51.0 76.6#



#40

1,4-Dioxane

Concen: 0.018 ppbv

RT: 4.606 min Scan# 1396

Delta R.T. 0.039 min

Lab File: VL043209.D

Acq: 18 Nov 2025 12:49

Tgt Ion: 88 Resp: 75

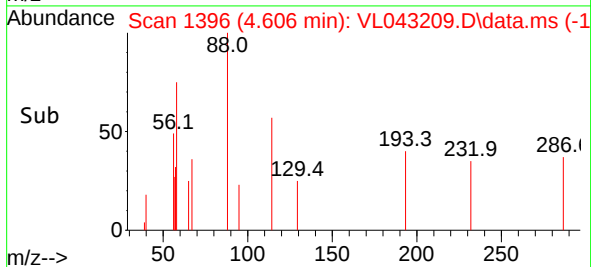
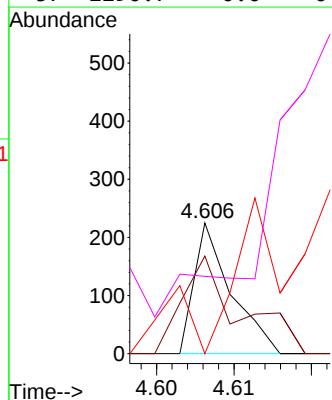
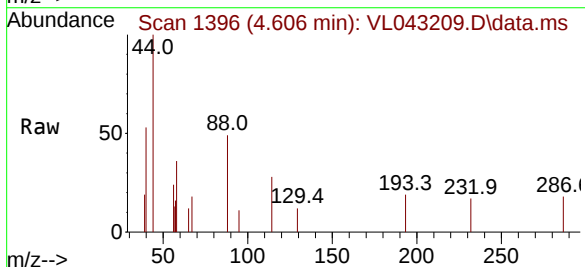
Ion Ratio Lower Upper

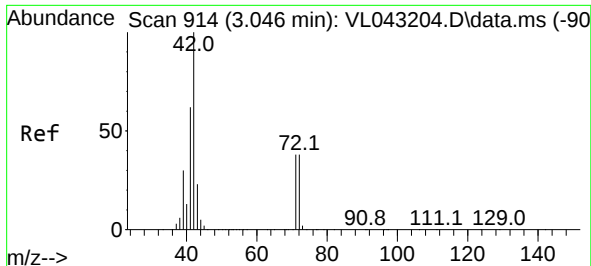
88 100

58 142.7 63.0 94.6#

43 806.7 32.5 48.7#

57 2290.7 0.0 0.0#

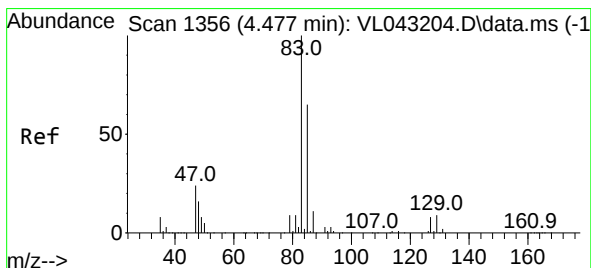
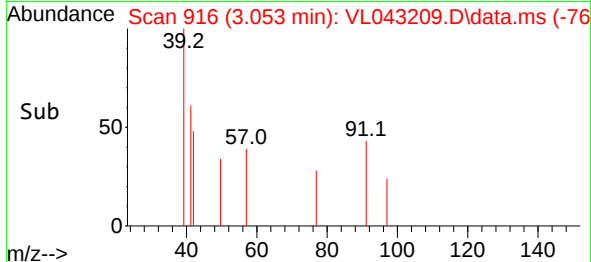
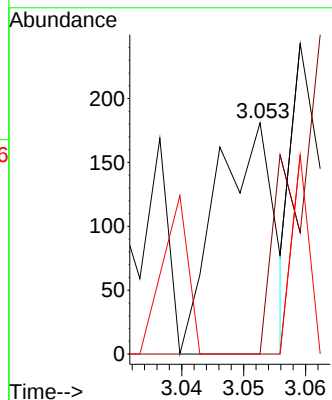
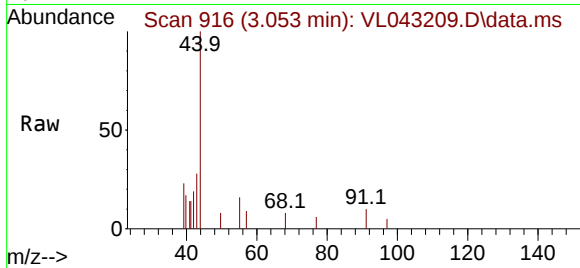




#41
Tetrahydrofuran
Concen: 0.011 ppbv
RT: 3.053 min Scan# 914
Delta R.T. 0.006 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

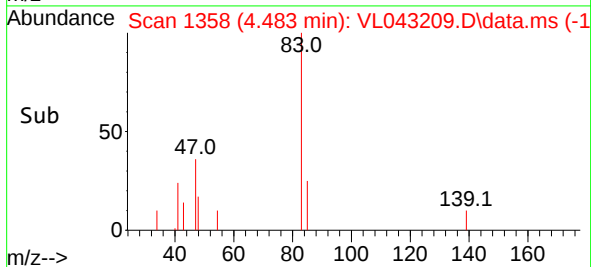
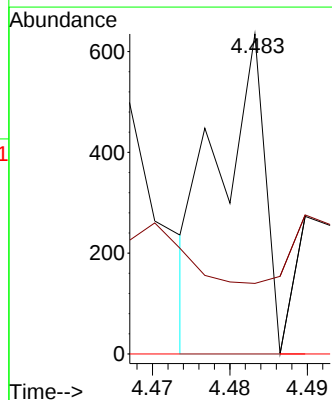
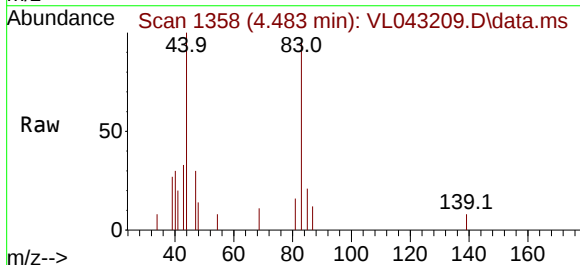
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

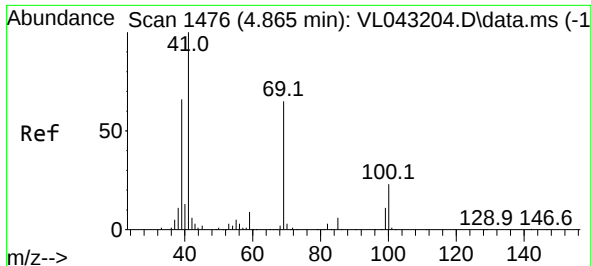
Tgt Ion: 42 Resp: 118
Ion Ratio Lower Upper
42 100
72 0.0 30.6 46.0#
71 0.0 30.5 45.7#



#42
Bromodichloromethane
Concen: 0.013 ppbv
RT: 4.483 min Scan# 1358
Delta R.T. 0.006 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 83 Resp: 268
Ion Ratio Lower Upper
83 100
85 0.0 51.7 77.5#
127 0.0 6.3 9.5#

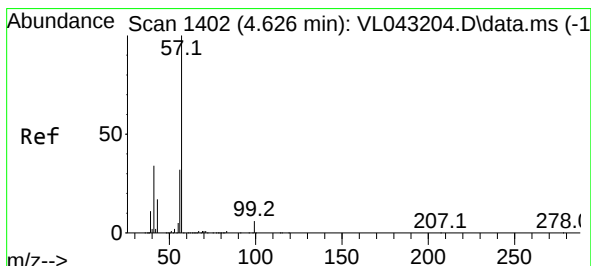
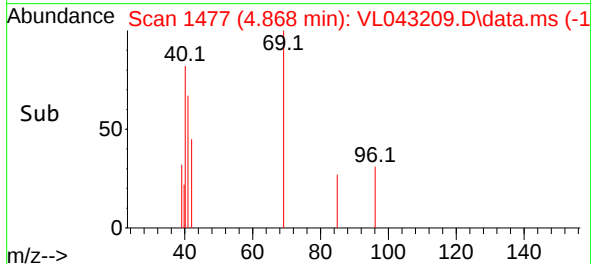
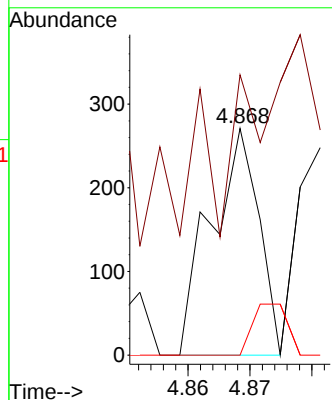
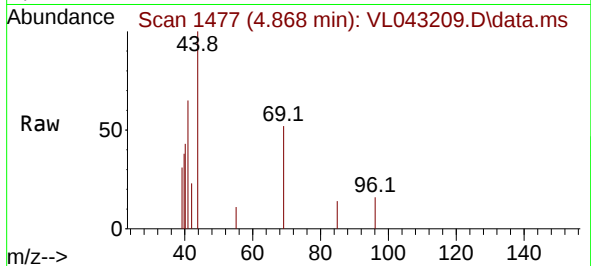




#43
Methyl Methacrylate
Concen: 0.011 ppbv
RT: 4.868 min Scan# 1476
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

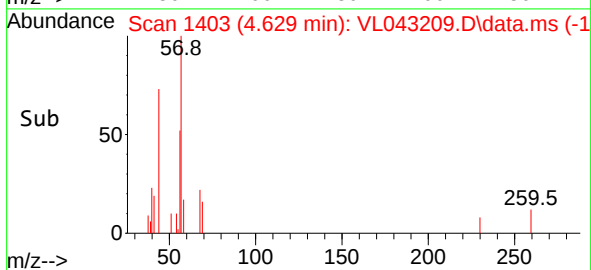
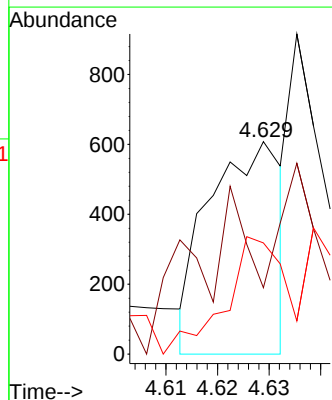
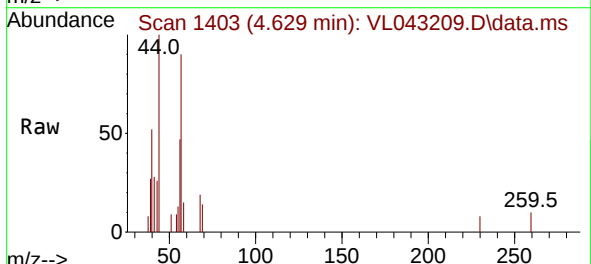
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.03

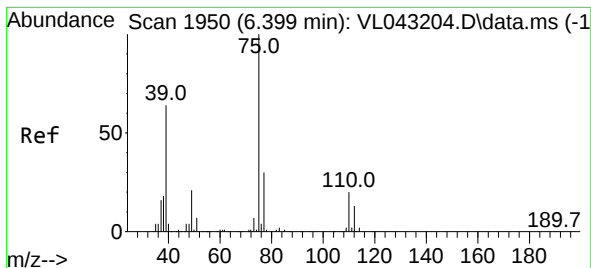
Tgt Ion: 69 Resp: 145
Ion Ratio Lower Upper
69 100
41 0.0 126.7 190.1#
100 0.0 28.6 43.0#



#44
2,2,4-Trimethylpentane
Concen: 0.014 ppbv
RT: 4.629 min Scan# 1403
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 57 Resp: 595
Ion Ratio Lower Upper
57 100
41 0.0 28.0 42.0#
56 0.0 25.6 38.4#





#45

t-1,3-Dichloropropene

Concen: 0.018 ppbv

RT: 6.403 min Scan# 1951

Delta R.T. 0.003 min

Lab File: VL043209.D

Acq: 18 Nov 2025 12:49

Instrument :

MSVOA_L

ClientSampleId :

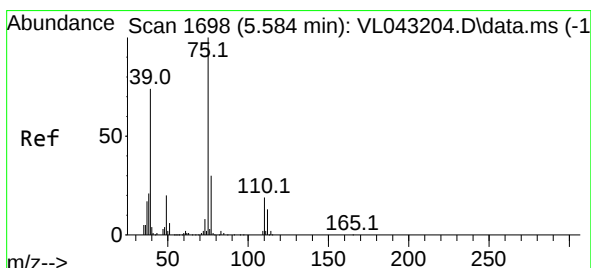
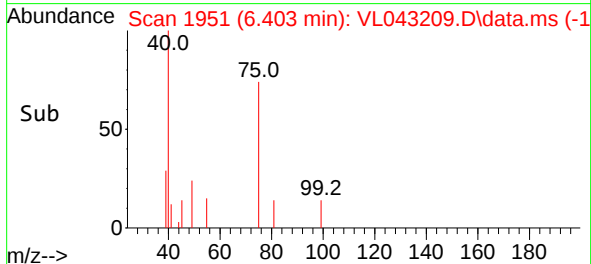
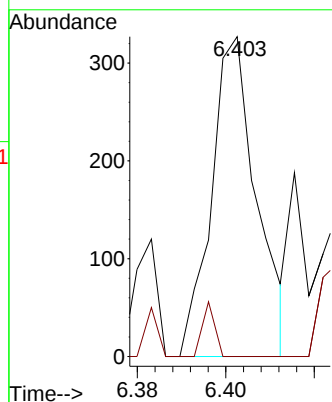
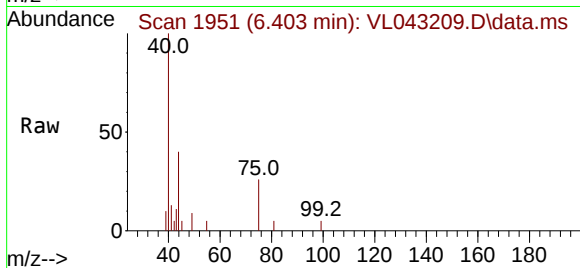
VSTDIC0.03

Tgt Ion: 75 Resp: 232

Ion Ratio Lower Upper

75 100

77 0.0 24.3 36.5#



#46

cis-1,3-Dichloropropene

Concen: 0.008 ppbv

RT: 5.587 min Scan# 1699

Delta R.T. 0.003 min

Lab File: VL043209.D

Acq: 18 Nov 2025 12:49

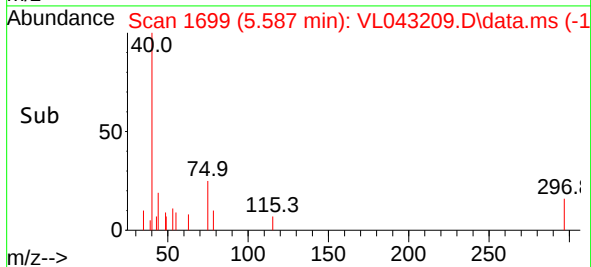
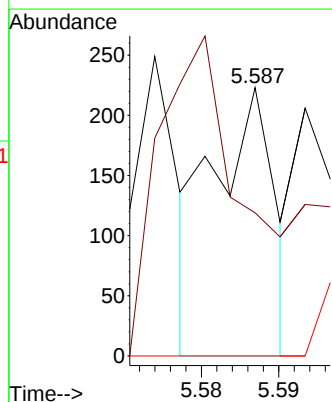
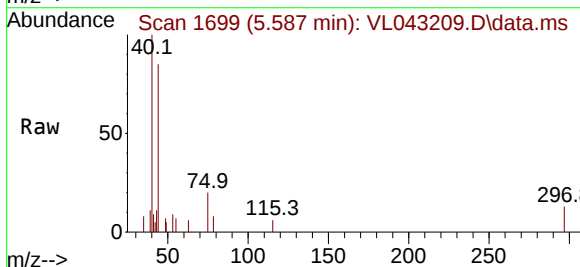
Tgt Ion: 75 Resp: 123

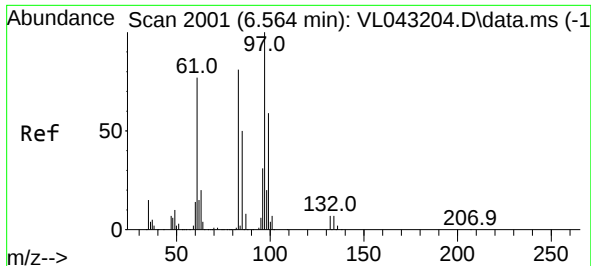
Ion Ratio Lower Upper

75 100

39 17.9 59.1 88.7#

77 0.0 24.2 36.2#

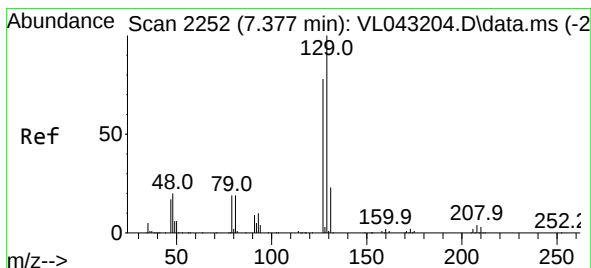
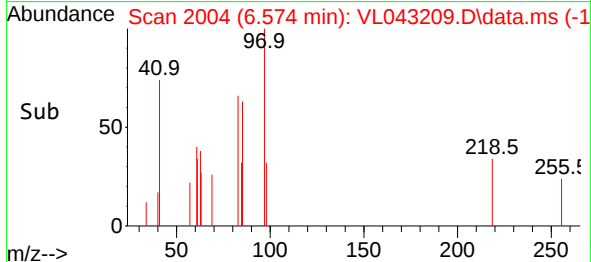
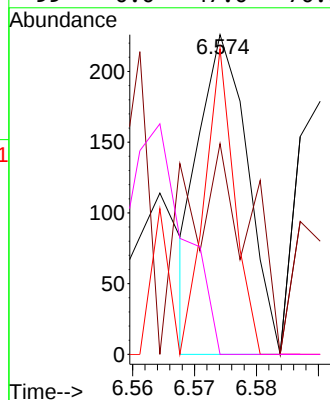
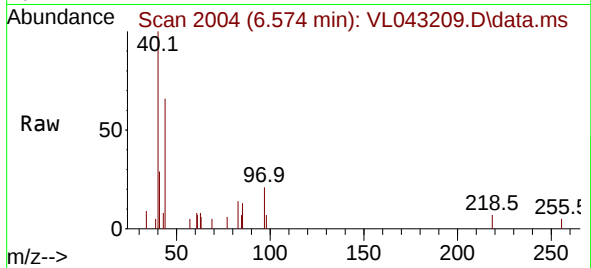




#47
1,1,2-Trichloroethane
Concen: 0.012 ppbv
RT: 6.574 min Scan# 2001
Delta R.T. 0.010 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

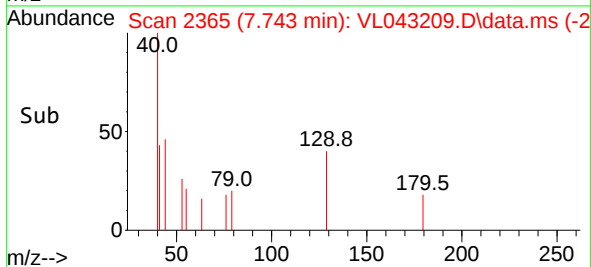
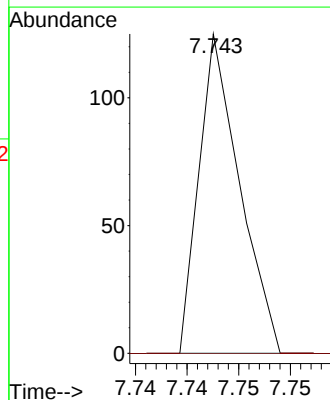
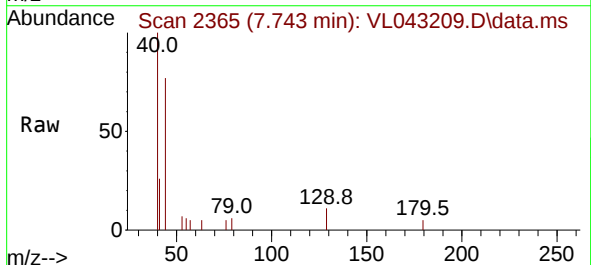
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

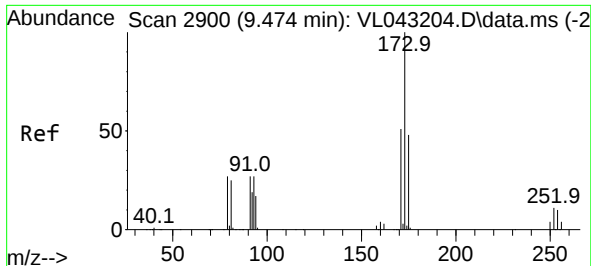
Tgt Ion: 97	Resp:	122
Ion	Ratio	Lower Upper
97	100	
83	65.9	64.6 97.0
85	95.6	39.4 59.2#
99	0.0	47.0 70.6#



#48
Dibromochloromethane
Concen: 0.002 ppbv
RT: 7.743 min Scan# 2365
Delta R.T. 0.366 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 129	Resp:	34
Ion	Ratio	Lower Upper
129	100	
127	111.8	39.3 117.9

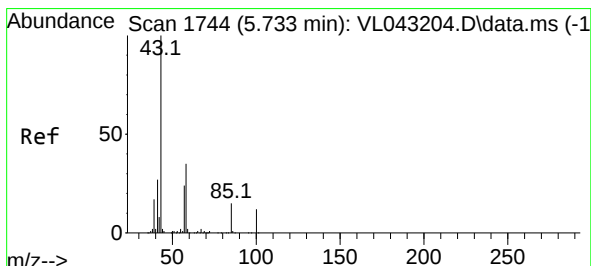
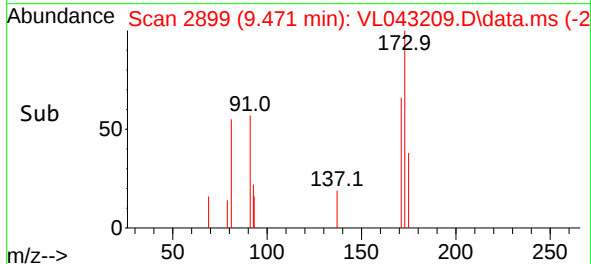
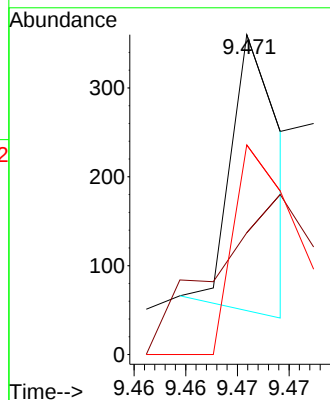
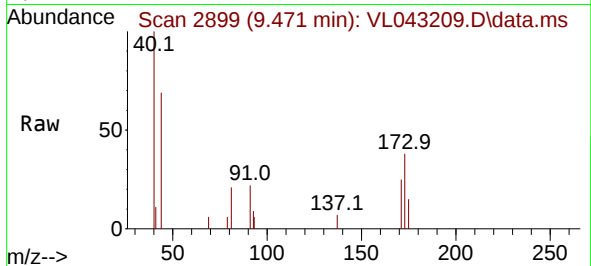




#49
Bromoform
Concen: 0.007 ppbv
RT: 9.471 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

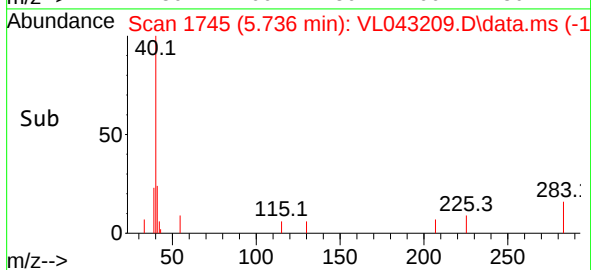
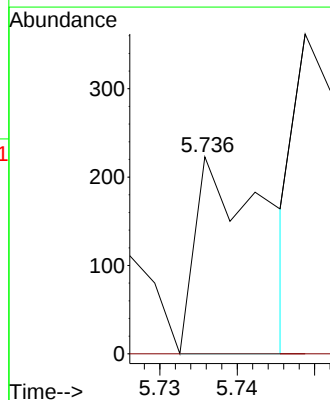
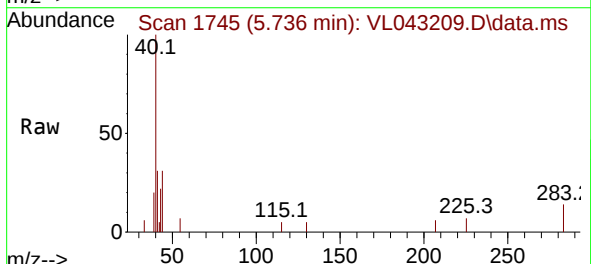
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

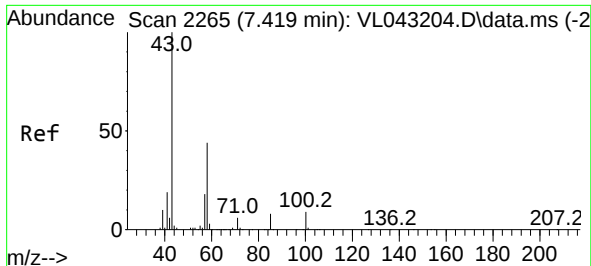
Tgt Ion:173 Resp: 102
Ion Ratio Lower Upper
173 100
175 174.5 38.6 58.0#
171 179.4 40.6 61.0#



#50
4-Methyl-2-Pentanone
Concen: 0.005 ppbv
RT: 5.736 min Scan# 1745
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 43 Resp: 140
Ion Ratio Lower Upper
43 100
58 0.0 28.4 42.6#

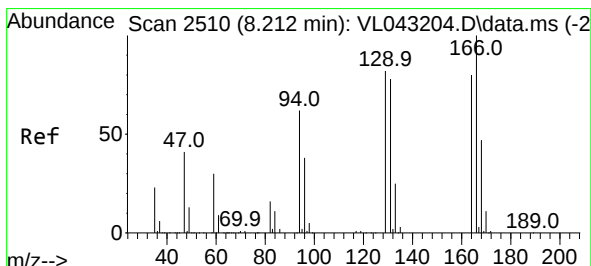
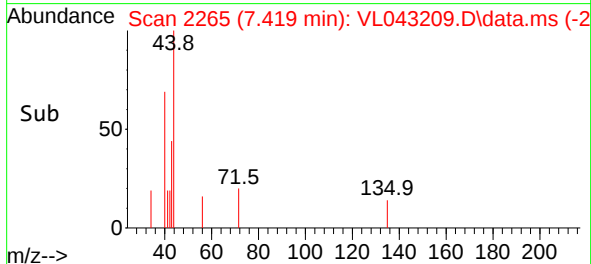
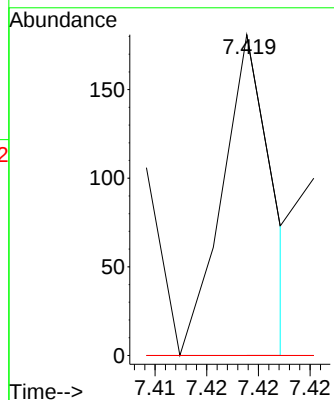
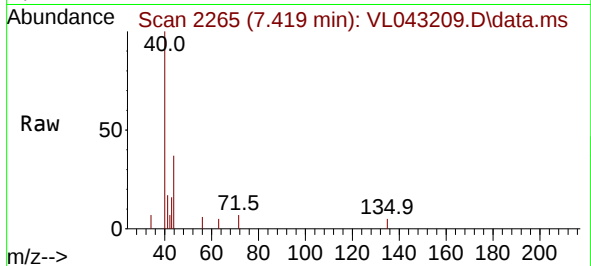




#51
2-Hexanone
Concen: 0.003 ppbv
RT: 7.419 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

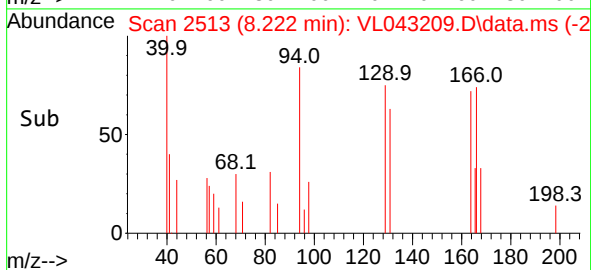
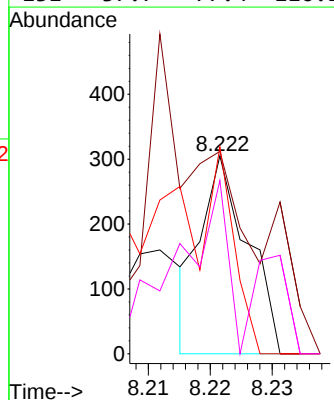
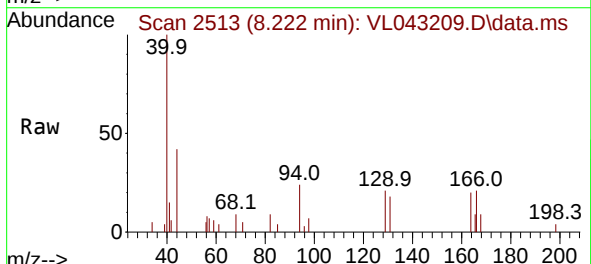
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

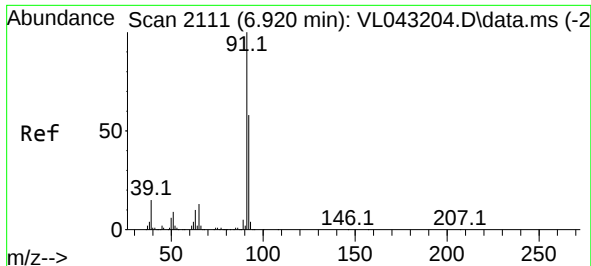
Tgt Ion: 43	Resp: 61
Ion Ratio	Lower Upper
43	100
58	0.0 38.4 57.6#
98	0.0 0.0 0.0



#52
Tetrachloroethene
Concen: 0.017 ppbv
RT: 8.222 min Scan# 2513
Delta R.T. 0.010 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 164	Resp: 158
Ion Ratio	Lower Upper
164	100
166	25.6 99.4 149.2#
129	104.6 81.8 122.8
131	37.7 77.4 116.2#

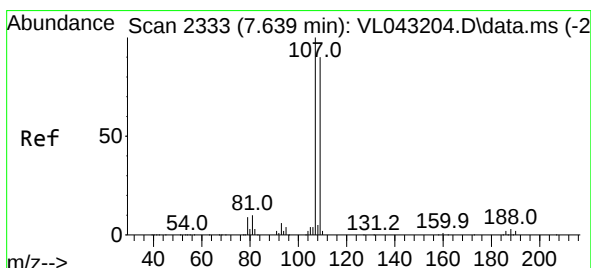
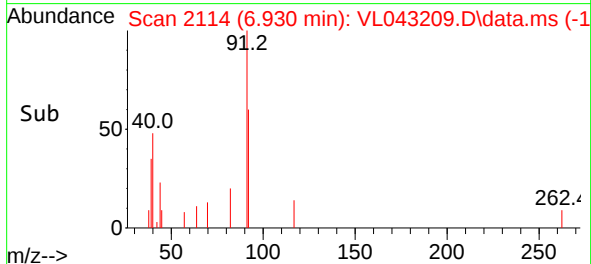
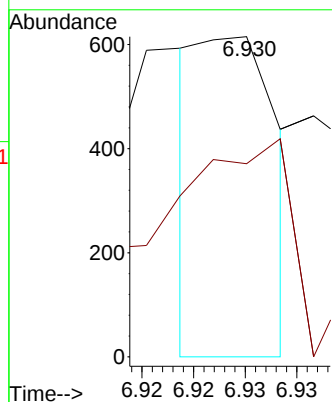
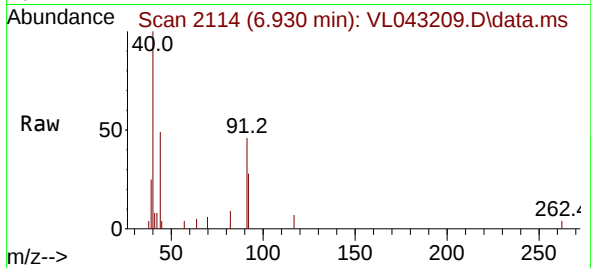




#53
Toluene
Concen: 0.011 ppbv
RT: 6.930 min Scan# 2111
Delta R.T. 0.010 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

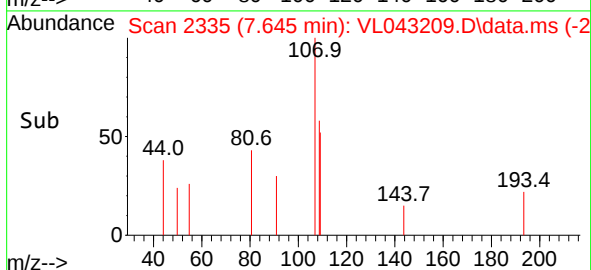
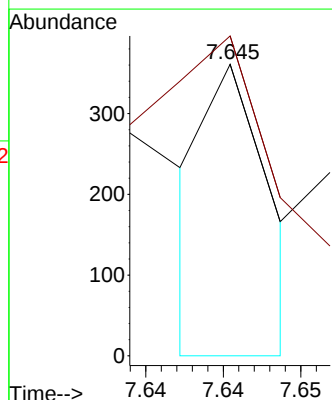
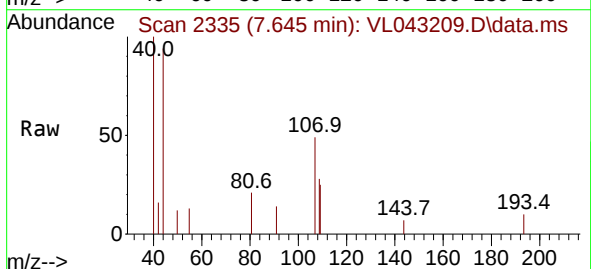
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

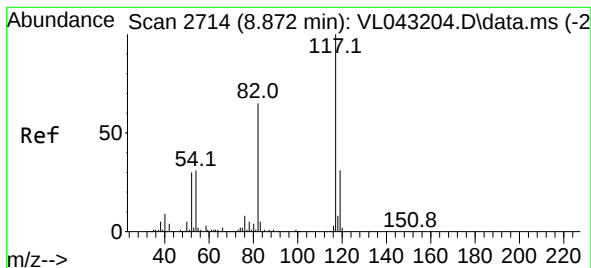
Tgt Ion: 91 Resp: 323
Ion Ratio Lower Upper
91 100
92 0.0 47.4 71.0#



#54
1,2-Dibromoethane
Concen: 0.007 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. 0.006 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 107 Resp: 102
Ion Ratio Lower Upper
107 100
109 102.6 72.1 108.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.875 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL043209.D

Acq: 18 Nov 2025 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

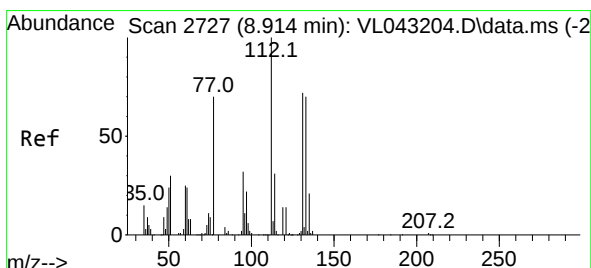
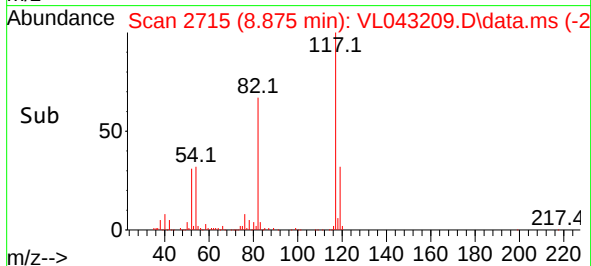
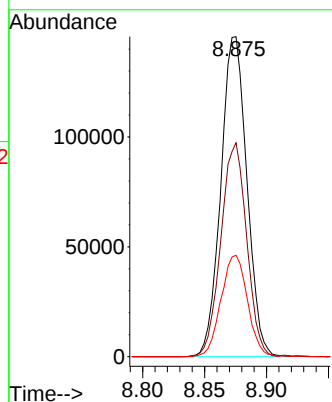
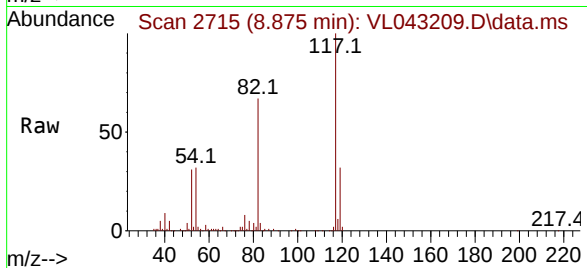
Tgt Ion:117 Resp: 213547

Ion Ratio Lower Upper

117 100

82 66.2 56.1 84.1

119 32.3 25.0 37.6



#56

1,1,1,2-Tetrachloroethane

Concen: 0.007 ppbv

RT: 8.927 min Scan# 2731

Delta R.T. 0.013 min

Lab File: VL043209.D

Acq: 18 Nov 2025 12:49

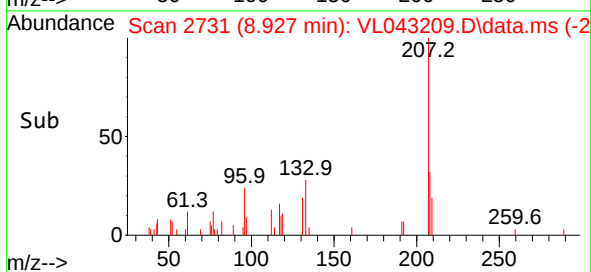
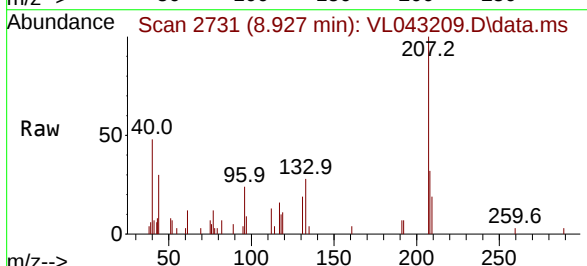
Tgt Ion:131 Resp: 114

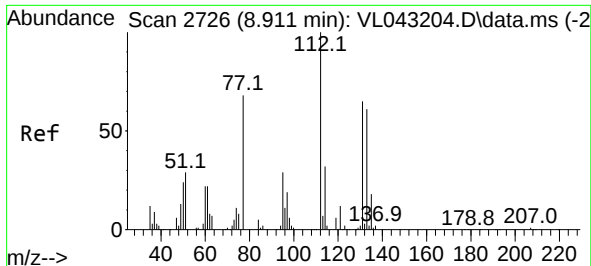
Ion Ratio Lower Upper

131 100

133 798.2 77.4 116.2#

119 0.0 49.1 73.7#

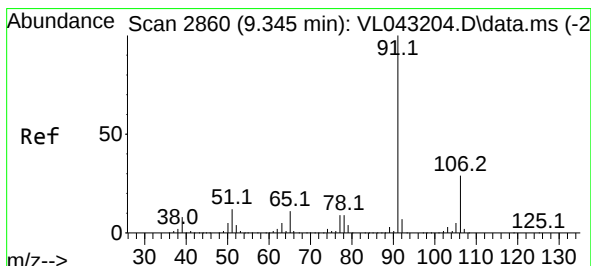
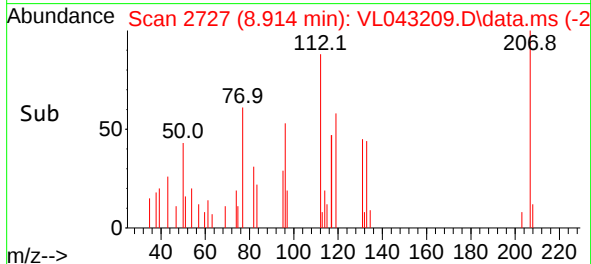
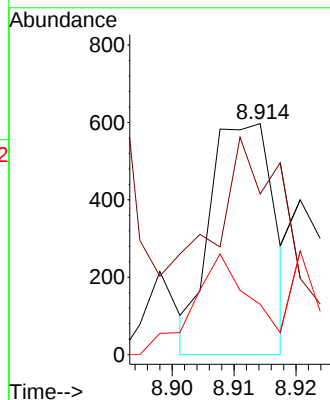
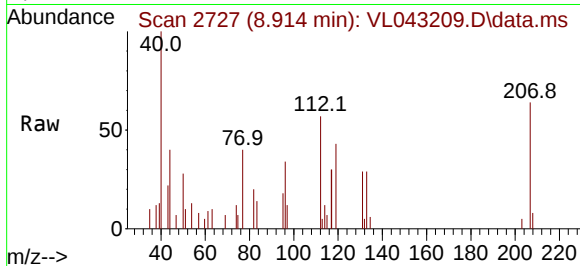




#57
Chlorobenzene
Concen: 0.020 ppbv
RT: 8.914 min Scan# 2114
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

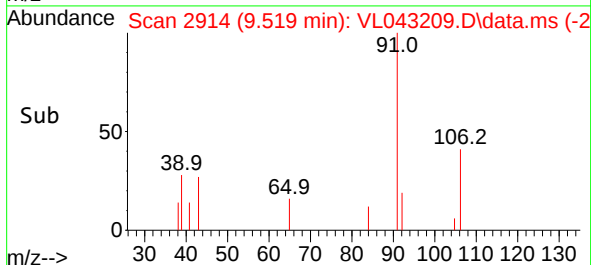
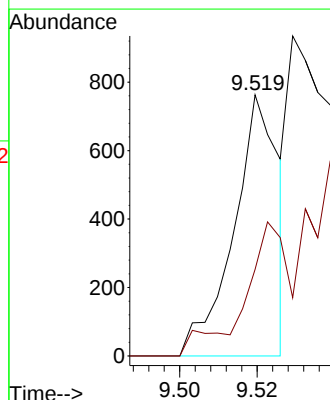
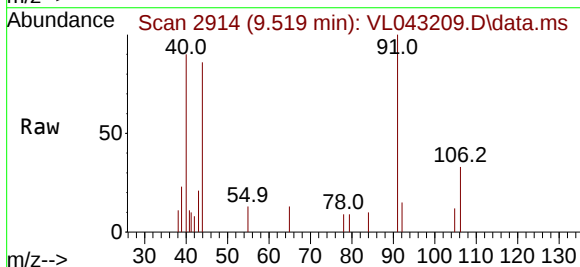
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

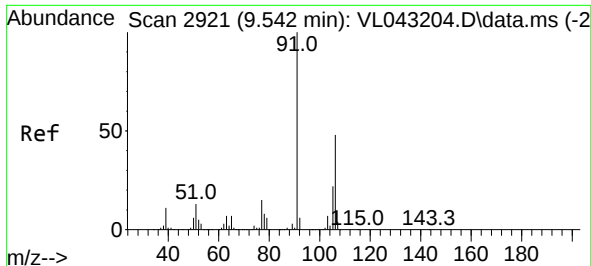
Tgt Ion:112 Resp: 429
Ion Ratio Lower Upper
112 100
77 28.1 55.5 83.3#
114 13.2 29.1 35.5#



#58
Ethyl Benzene
Concen: 0.015 ppbv
RT: 9.519 min Scan# 2914
Delta R.T. 0.175 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 91 Resp: 613
Ion Ratio Lower Upper
91 100
106 33.2 22.8 34.2





#59

m/p-Xylene

Concen: 0.009 ppbv

RT: 9.545 min Scan# 2921

Delta R.T. 0.003 min

Lab File: VL043209.D

Acq: 18 Nov 2025 12:49

Instrument :

MSVOA_L

ClientSampleId :

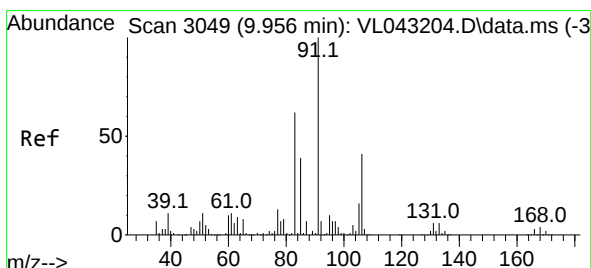
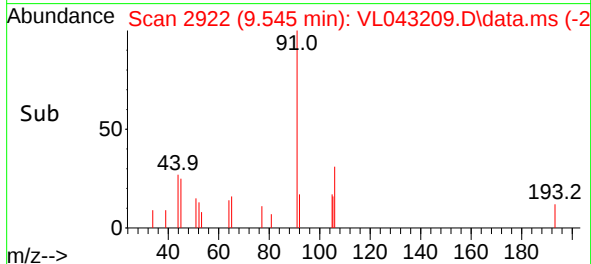
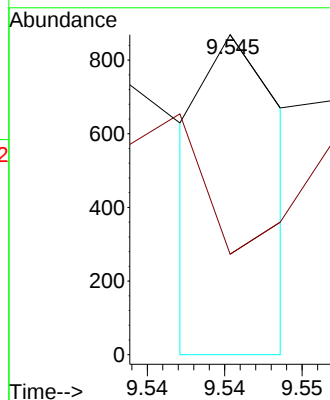
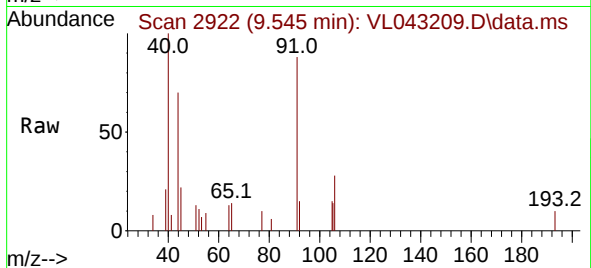
VSTDIC0.03

Tgt Ion: 91 Resp: 299

Ion Ratio Lower Upper

91 100

106 341.8 36.1 54.1#



#60

o-Xylene

Concen: 0.033 ppbv

RT: 9.956 min Scan# 3049

Delta R.T. 0.000 min

Lab File: VL043209.D

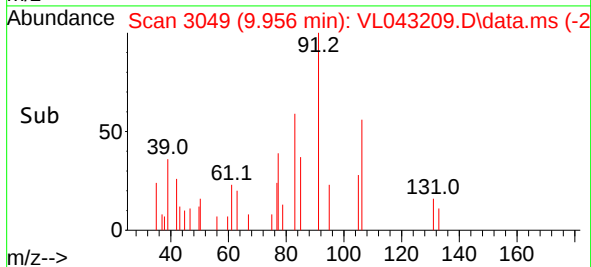
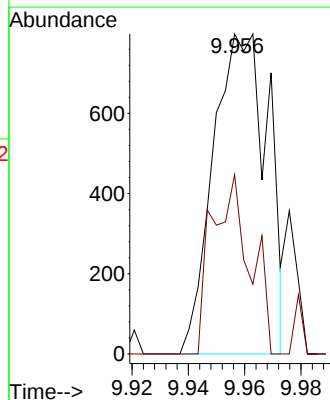
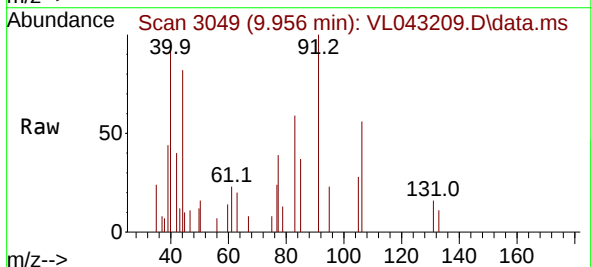
Acq: 18 Nov 2025 12:49

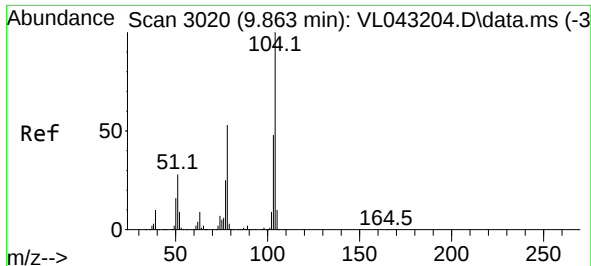
Tgt Ion: 91 Resp: 1078

Ion Ratio Lower Upper

91 100

106 41.6 20.9 62.8

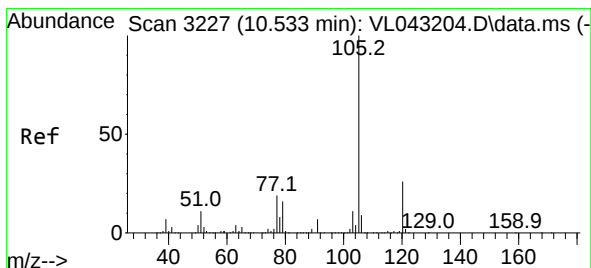
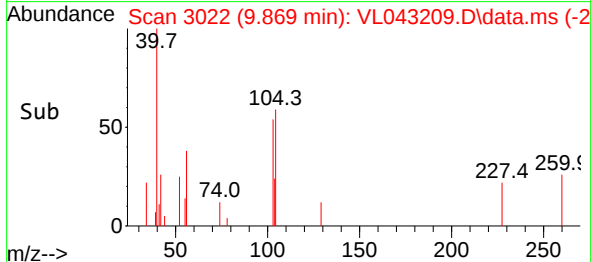
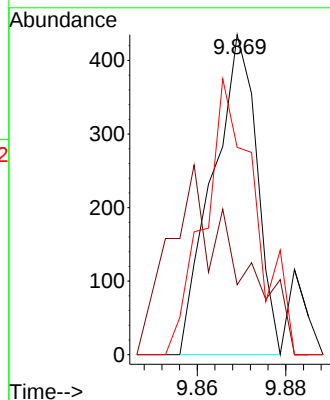
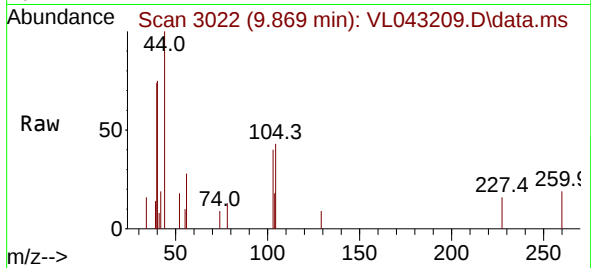




#61
Styrene
Concen: 0.021 ppbv
RT: 9.869 min Scan# 3020
Delta R.T. 0.006 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

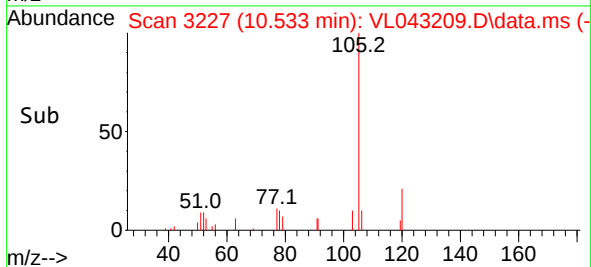
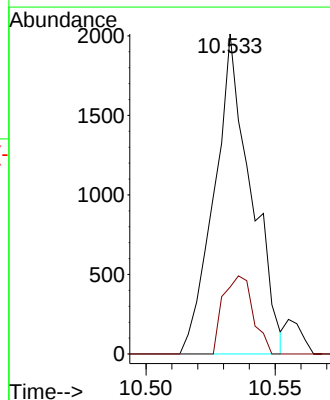
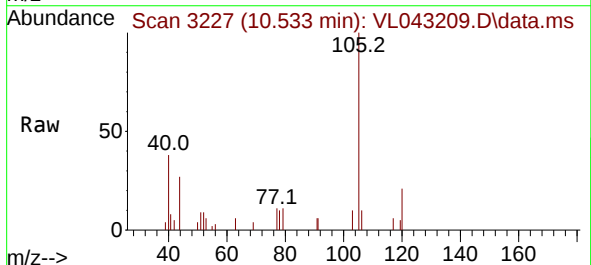
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

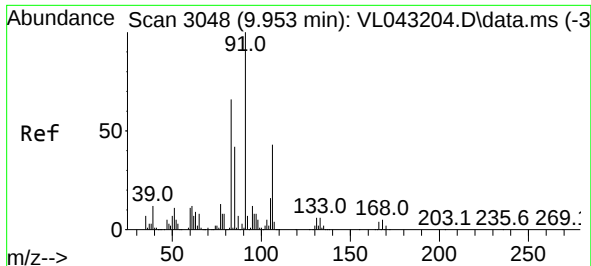
Tgt Ion:104 Resp: 300
Ion Ratio Lower Upper
104 100
78 49.7 42.1 63.1
103 109.0 37.2 55.8#



#62
Isopropylbenzene
Concen: 0.034 ppbv
RT: 10.533 min Scan# 3227
Delta R.T. 0.000 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion:105 Resp: 1990
Ion Ratio Lower Upper
105 100
120 19.9 19.8 29.8

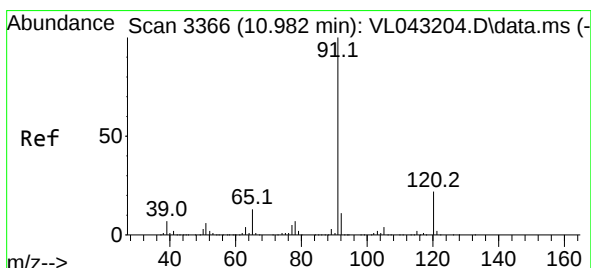
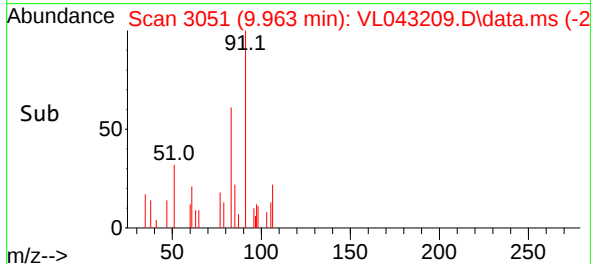
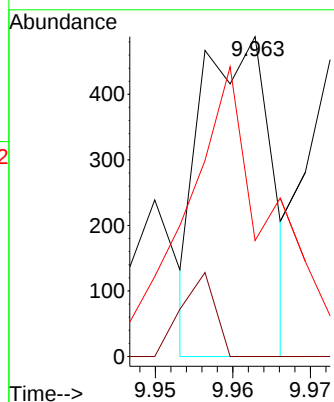
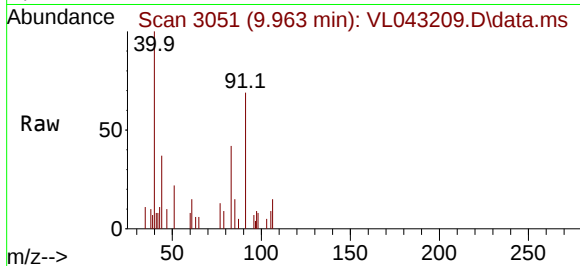




#63
1,1,2,2-Tetrachloroethane
Concen: 0.015 ppbv
RT: 9.963 min Scan# 3048
Delta R.T. 0.010 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

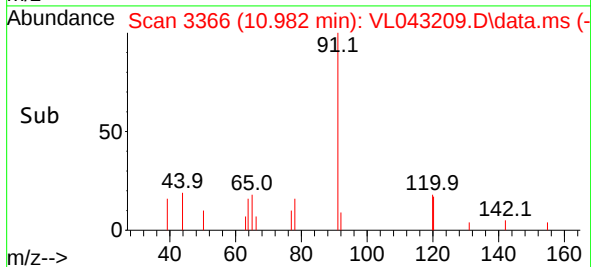
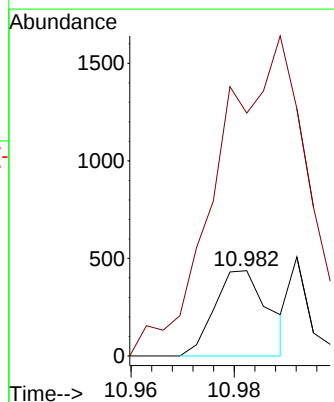
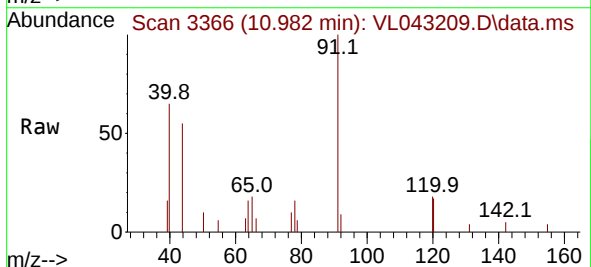
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

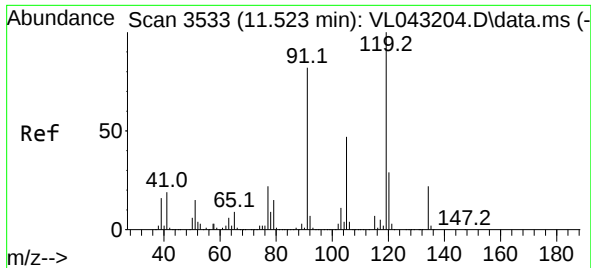
Tgt Ion: 83 Resp: 306
Ion Ratio Lower Upper
83 100
131 12.7 4.8 14.3
85 110.5 31.9 95.9#



#64
n-propylbenzene
Concen: 0.021 ppbv
RT: 10.982 min Scan# 3366
Delta R.T. 0.000 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 120 Resp: 316
Ion Ratio Lower Upper
120 100
91 519.6 377.1 565.7

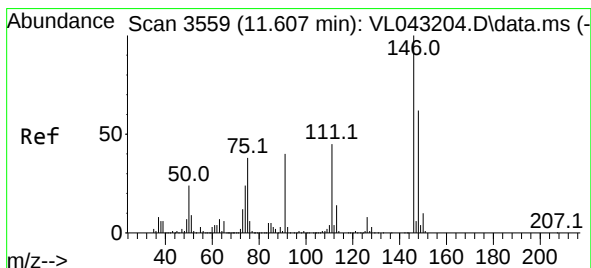
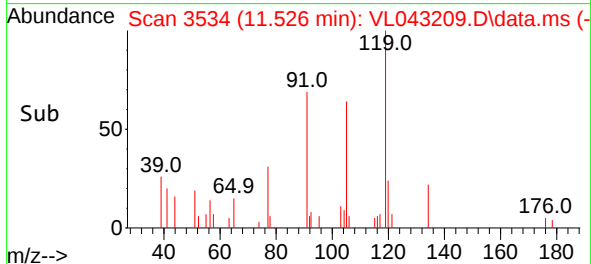
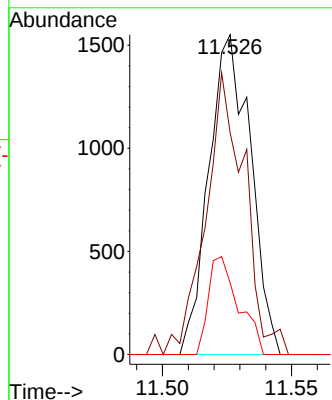
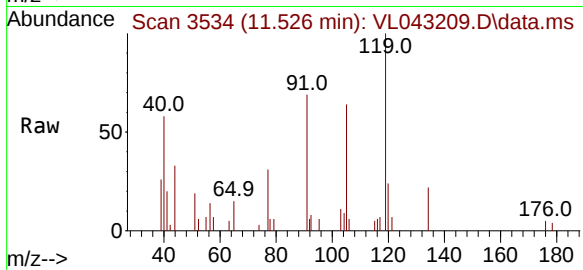




#65
tert-Butylbenzene
Concen: 0.033 ppbv
RT: 11.526 min Scan# 3534
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

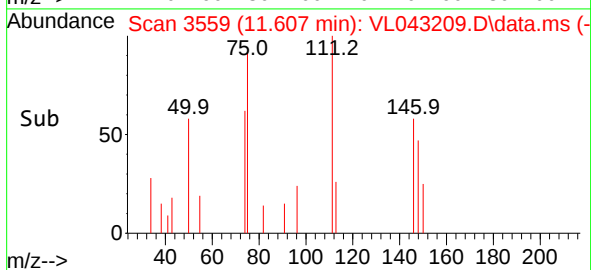
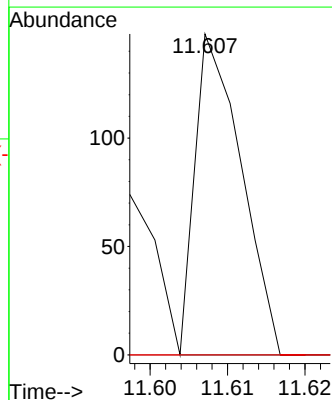
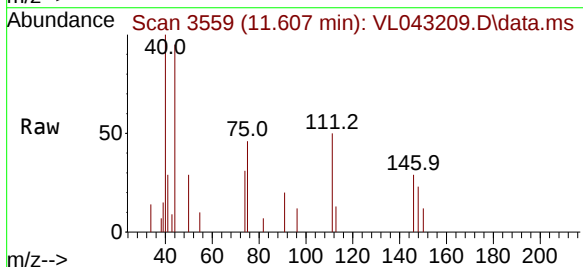
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

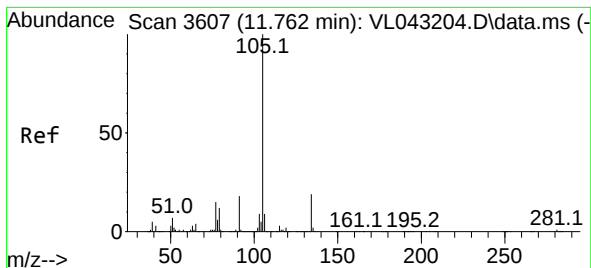
Tgt Ion:119 Resp: 1740
Ion Ratio Lower Upper
119 100
91 83.2 65.3 97.9
134 22.4 17.0 25.4



#66
Benzyl Chloride
Concen: 0.012 ppbv
RT: 11.607 min Scan# 3559
Delta R.T. 0.000 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 91 Resp: 62
Ion Ratio Lower Upper
91 100
126 0.0 14.4 21.6#
128 0.0 4.6 6.8#





#67

sec-Butylbenzene

Concen: 0.033 ppbv

RT: 11.762 min Scan# 3

Delta R.T. 0.000 min

Lab File: VL043209.D

Acq: 18 Nov 2025 12:49

Instrument :

MSVOA_L

ClientSampleId :

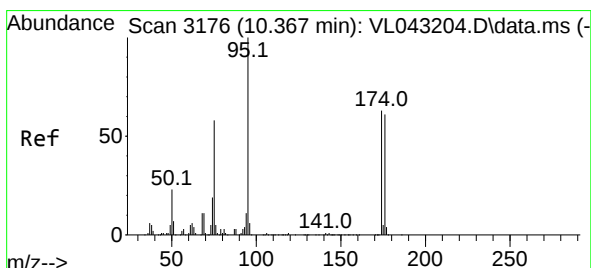
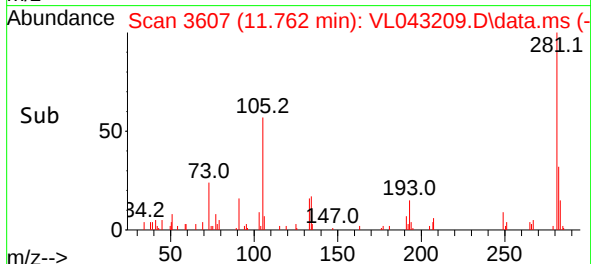
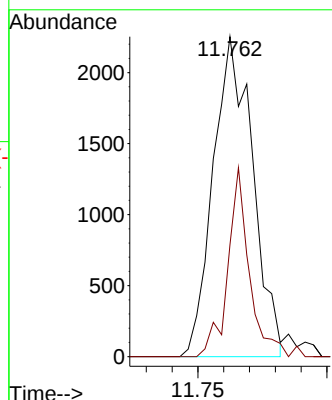
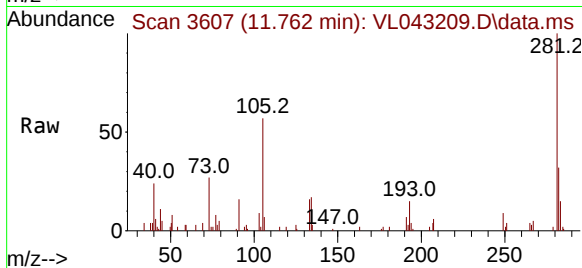
VSTDICC0.03

Tgt Ion:105 Resp: 2398

Ion Ratio Lower Upper

105 100

134 32.4 15.0 22.6#



#68

1-Bromo-4-Fluorobenzene

Concen: 9.712 ppbv

RT: 10.371 min Scan# 3177

Delta R.T. 0.003 min

Lab File: VL043209.D

Acq: 18 Nov 2025 12:49

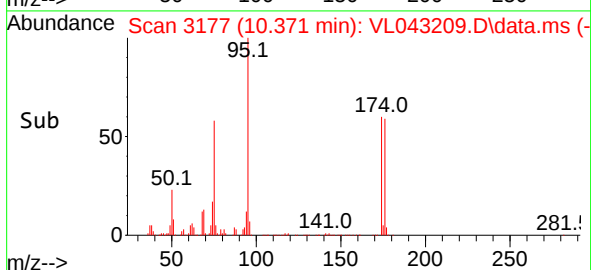
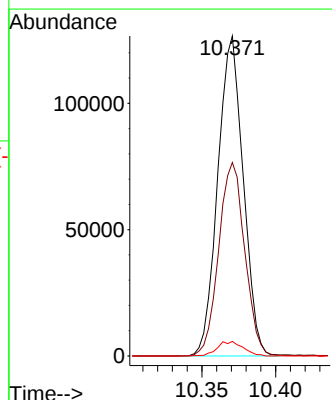
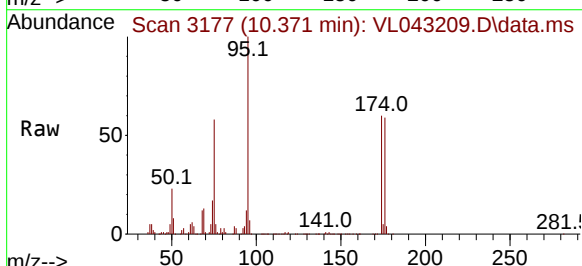
Tgt Ion: 95 Resp: 152015

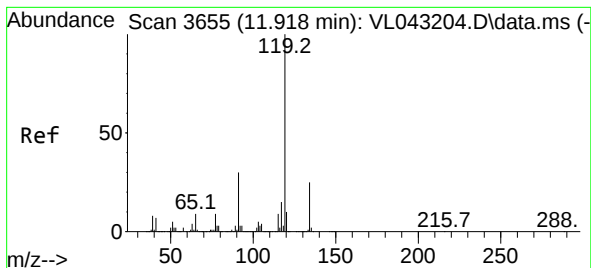
Ion Ratio Lower Upper

95 100

174 62.0 50.2 75.2

175 4.6 4.1 6.1

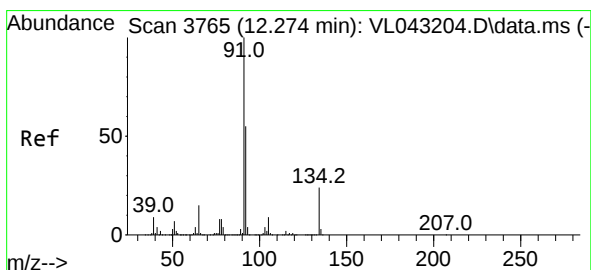
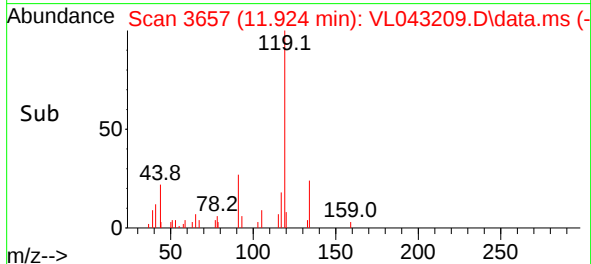
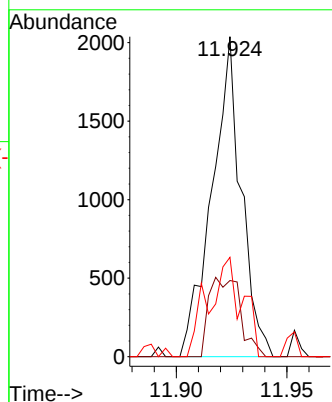
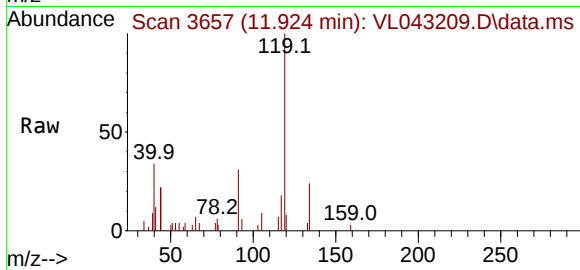




#69
p-Isopropyltoluene
Concen: 0.030 ppbv
RT: 11.924 min Scan# 3657
Delta R.T. 0.006 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

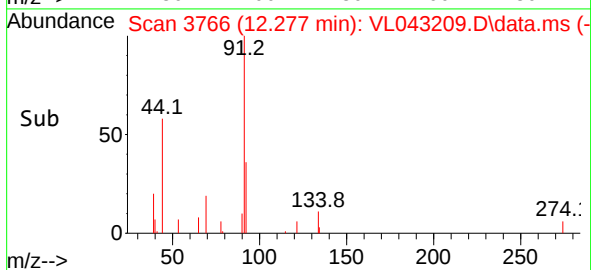
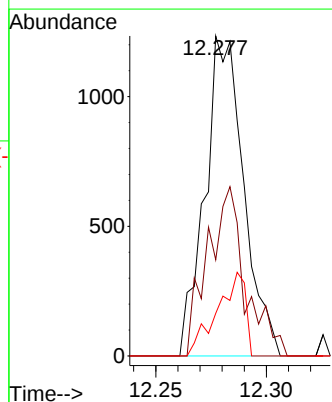
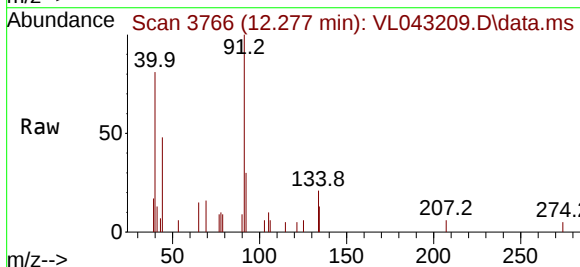
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

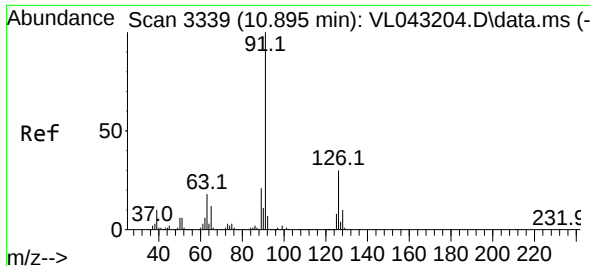
Tgt Ion:119 Resp: 1875
Ion Ratio Lower Upper
119 100
134 26.7 20.2 30.2
91 37.8 23.8 35.8#



#70
n-Butylbenzene
Concen: 0.025 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion: 91 Resp: 1502
Ion Ratio Lower Upper
91 100
92 51.6 43.5 65.3
134 19.0 19.0 28.6

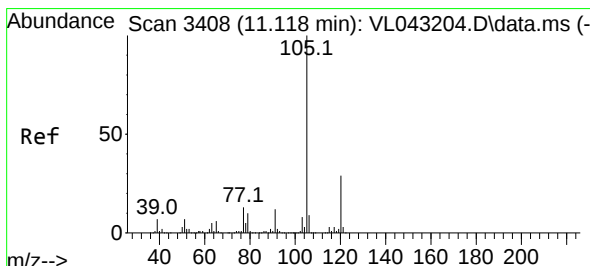
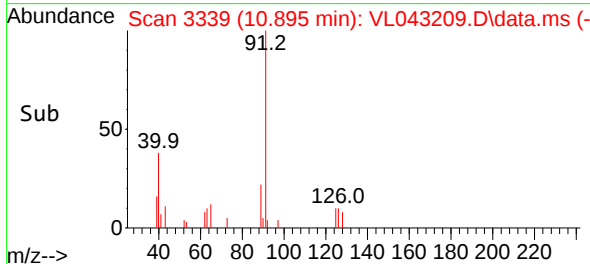
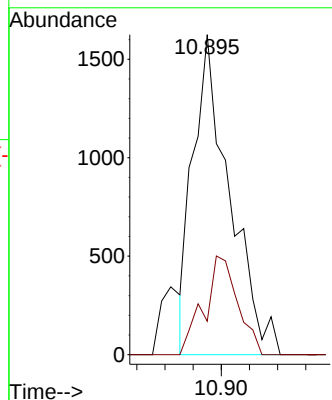
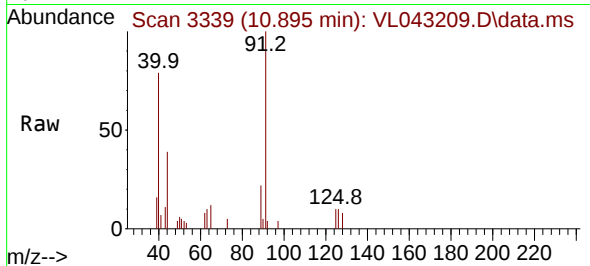




#71
2-Chlorotoluene
Concen: 0.032 ppbv
RT: 10.895 min Scan# 311
Delta R.T. 0.000 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

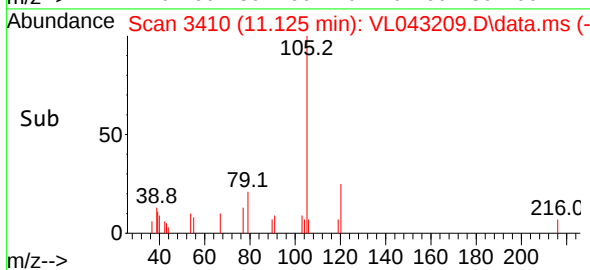
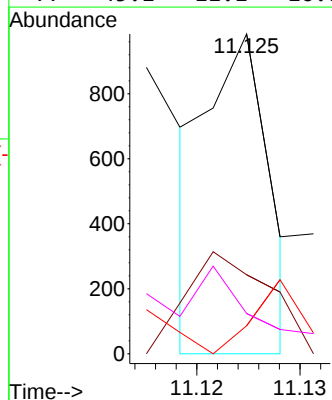
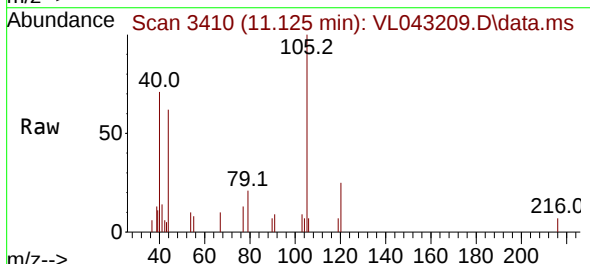
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

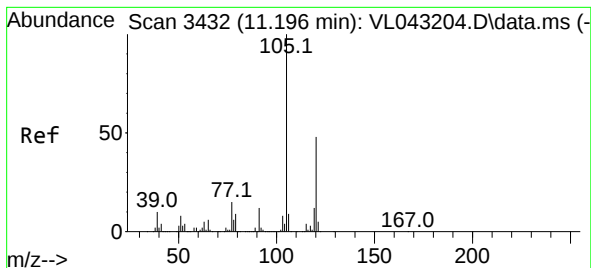
Tgt Ion: 91 Resp: 1463
Ion Ratio Lower Upper
91 100
126 28.2 11.7 46.7



#72
4-Ethyltoluene
Concen: 0.010 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.006 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion:105 Resp: 408
Ion Ratio Lower Upper
105 100
120 42.9 23.8 35.8#
91 0.0 10.3 15.5#
77 45.1 11.1 16.7#





#73

1,3,5-Trimethylbenzene

Concen: 0.031 ppbv

RT: 11.203 min Scan# 3434

Delta R.T. 0.006 min

Lab File: VL043209.D

Acq: 18 Nov 2025 12:49

Instrument :

MSVOA_L

ClientSampleId :

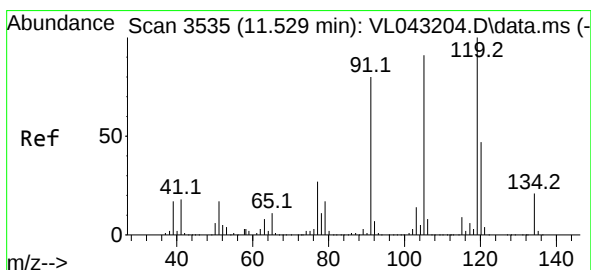
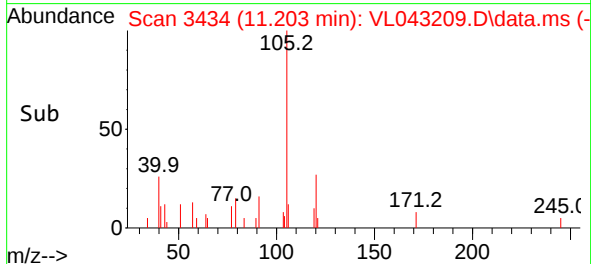
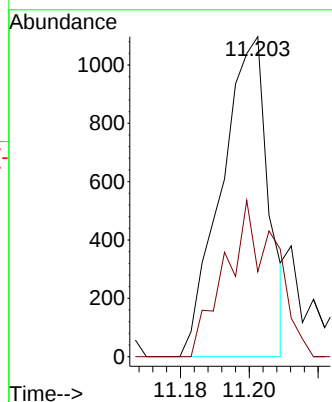
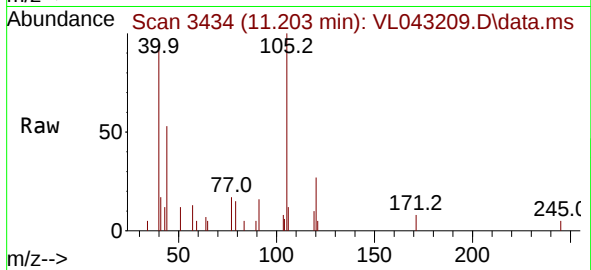
VSTDIC0.03

Tgt Ion:105 Resp: 1041

Ion Ratio Lower Upper

105 100

120 26.5 38.6 57.8#



#74

1,2,4-Trimethylbenzene

Concen: 0.021 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. 0.006 min

Lab File: VL043209.D

Acq: 18 Nov 2025 12:49

Tgt Ion:105 Resp: 789

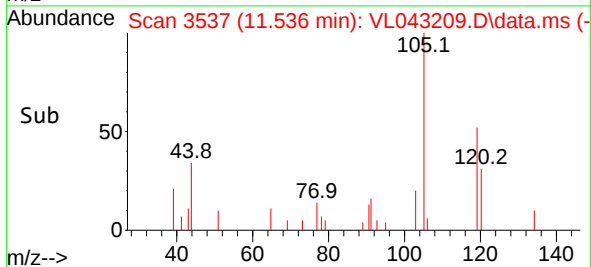
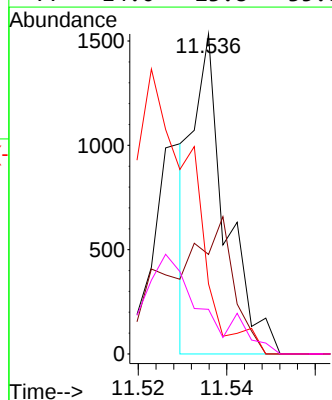
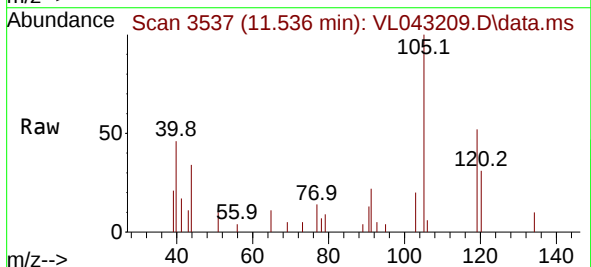
Ion Ratio Lower Upper

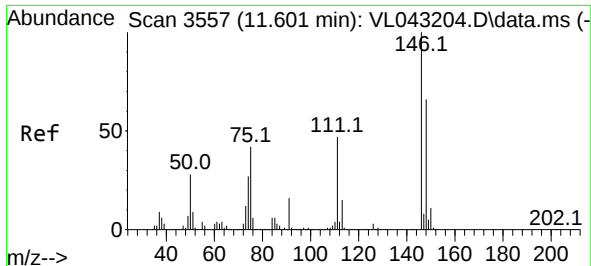
105 100

120 31.1 41.7 62.5#

91 21.9 70.0 105.0#

77 14.0 23.8 35.8#

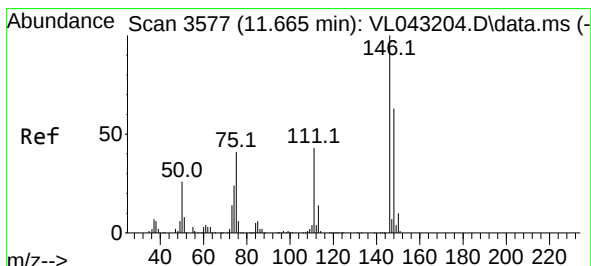
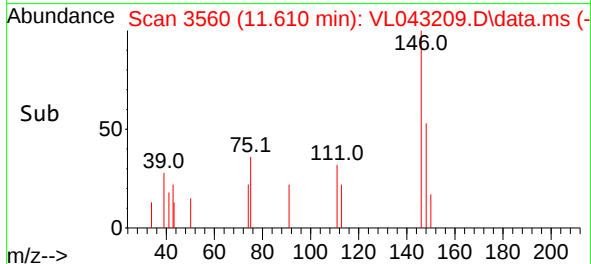
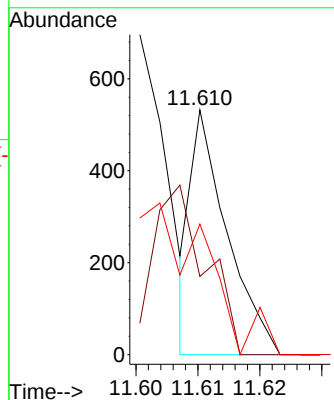
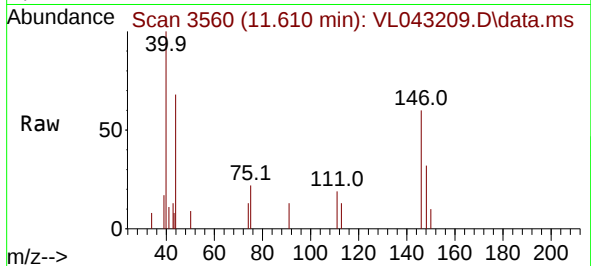




#75
1,3-Dichlorobenzene
Concen: 0.010 ppbv
RT: 11.610 min Scan# 3557
Delta R.T. 0.010 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

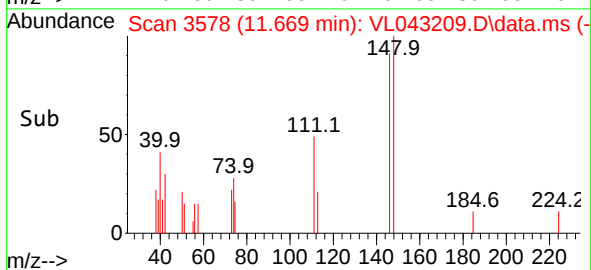
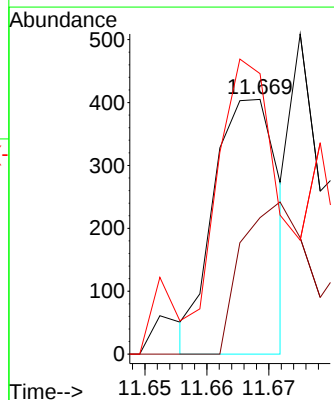
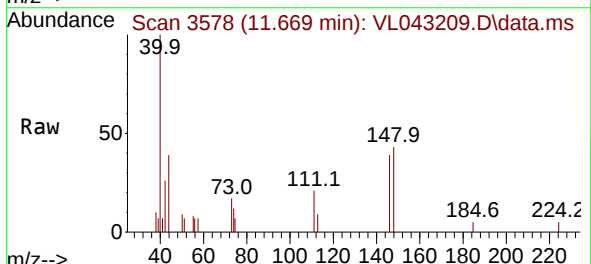
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

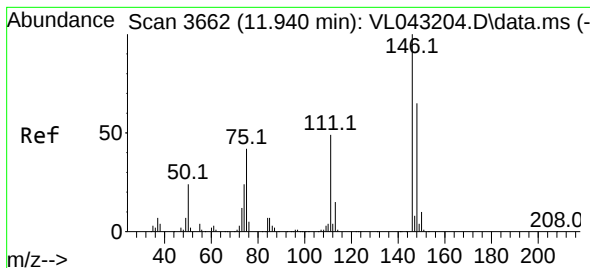
Tgt Ion:146 Resp: 214
Ion Ratio Lower Upper
146 100
111 126.2 23.4 70.3#
148 144.9 31.6 95.0#



#76
1,4-Dichlorobenzene
Concen: 0.014 ppbv
RT: 11.669 min Scan# 3578
Delta R.T. 0.003 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion:146 Resp: 292
Ion Ratio Lower Upper
146 100
111 0.0 22.8 68.3#
148 157.5 31.8 95.4#





#77

1,2-Dichlorobenzene

Concen: 0.027 ppbv

RT: 11.947 min Scan# 3

Delta R.T. 0.006 min

Lab File: VL043209.D

Acq: 18 Nov 2025 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.03

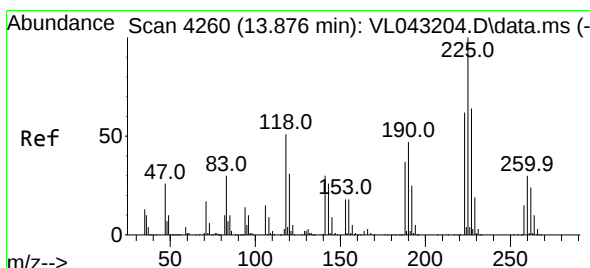
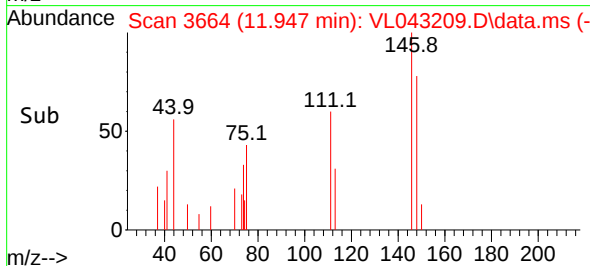
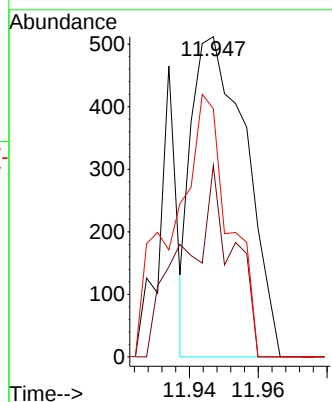
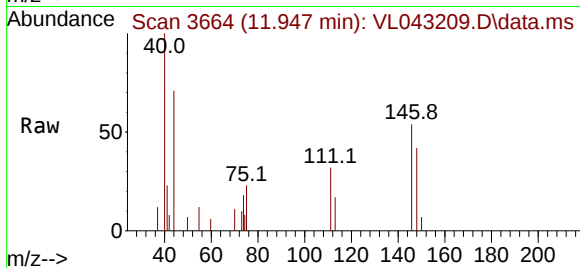
Tgt Ion:146 Resp: 561

Ion Ratio Lower Upper

146 100

111 53.7 24.3 73.0

148 85.2 31.6 94.7



#78

Hexachloro-1,3-Butadiene

Concen: 0.036 ppbv

RT: 13.876 min Scan# 4260

Delta R.T. 0.000 min

Lab File: VL043209.D

Acq: 18 Nov 2025 12:49

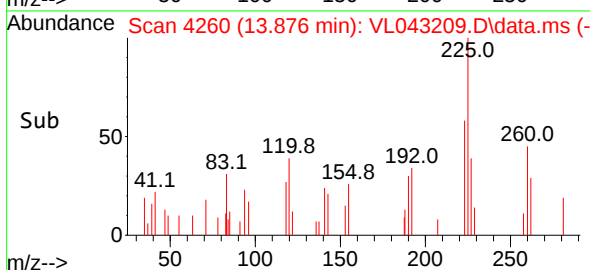
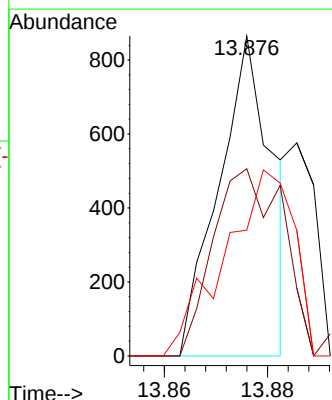
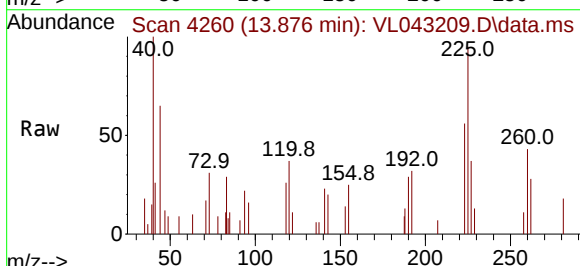
Tgt Ion:225 Resp: 622

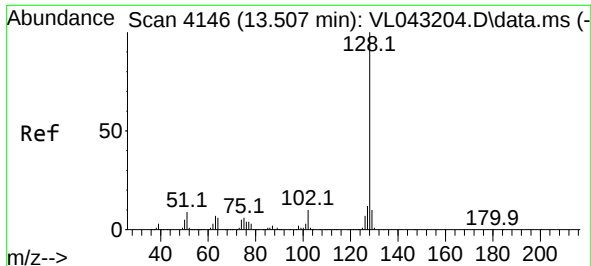
Ion Ratio Lower Upper

225 100

223 78.3 50.2 75.4#

227 75.2 51.1 76.7

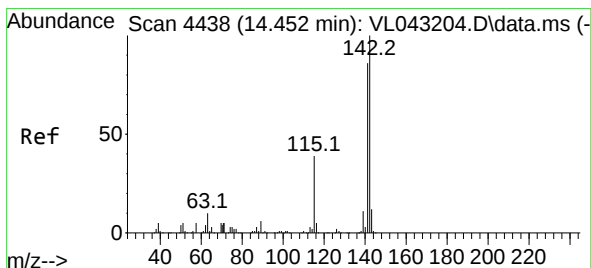
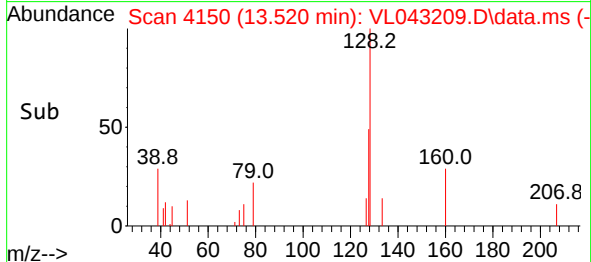
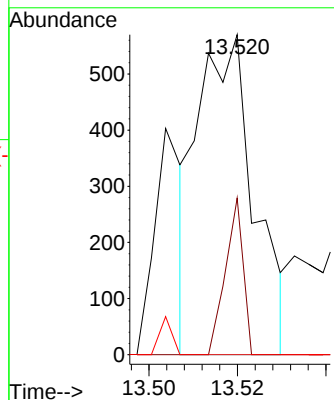
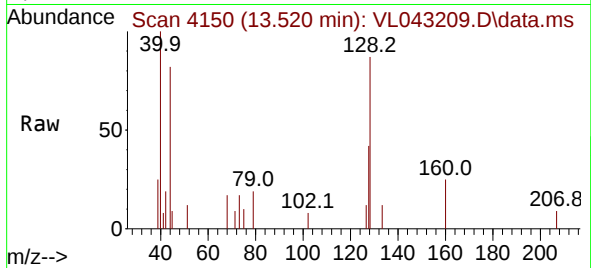




#79
Naphthalene
Concen: 0.015 ppbv
RT: 13.520 min Scan# 4146
Delta R.T. 0.013 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

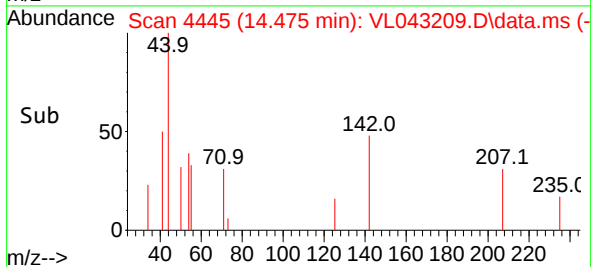
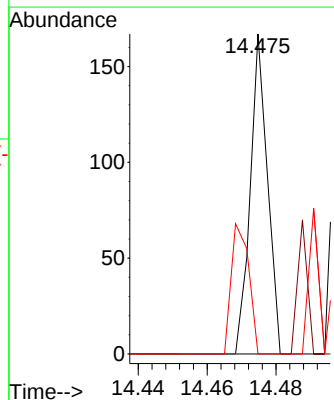
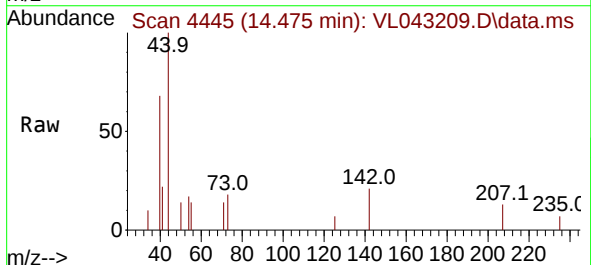
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

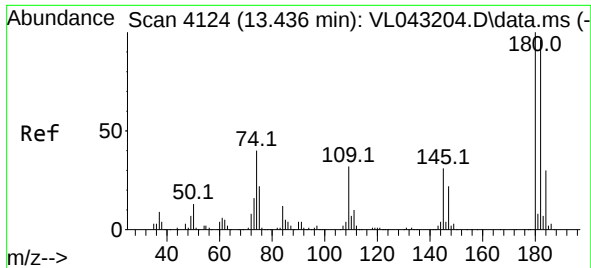
Tgt Ion:128 Resp: 504
Ion Ratio Lower Upper
128 100
127 65.8 9.9 14.9#
129 0.0 8.4 12.6#



#80
Naphthalene,2-methyl-
Concen: 0.007 ppbv
RT: 14.475 min Scan# 4445
Delta R.T. 0.023 min
Lab File: VL043209.D
Acq: 18 Nov 2025 12:49

Tgt Ion:142 Resp: 58
Ion Ratio Lower Upper
142 100
141 0.0 67.1 100.7#
115 41.4 31.9 47.9





#81

1,2,4-Trichlorobenzene

Concen: 0.010 ppbv

RT: 13.442 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL043209.D

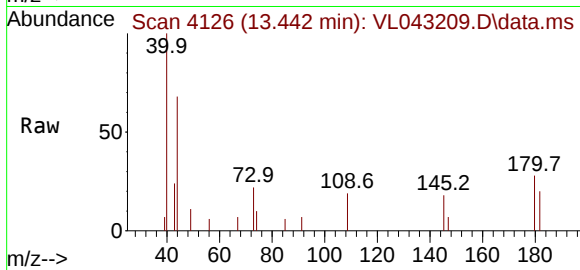
Acq: 18 Nov 2025 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03



Tgt Ion:	180	Resp:	150
Ion	Ratio	Lower	Upper
180	100		
182	132.0	77.4	116.2#
184	92.0	24.2	36.4#

