

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
 Data File : VL043089.D
 Acq On : 09 Oct 2025 15:31
 Operator : SY/MD
 Sample : Q3320-02 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Quant Time: Oct 09 22:16:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Oct 03 08:23:34 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.774	49	191613	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.936	114	543620	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.862	117	535675	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.357	95	428380	11.101	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	111.000%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.214	85	3518	0.109	ppbv	89
3) Chlorodifluoromethane	1.470	51	5972	0.191	ppbv #	92
4) Chloromethane	1.521	50	526	0.045	ppbv	90
8) Dichlorotetrafluoroethane	1.489	85	907	0.034	ppbv #	14
9) Propene	1.612	41	2307	0.183	ppbv	92
10) Heptane	4.952	43	8791	0.284	ppbv #	65
11) Trichlorofluoromethane	1.868	101	214597	6.466	ppbv	98
12) 1,1,2-Trichlorotrifluoro...	1.868	101	214597	8.210	ppbv #	13
13) Ethanol	1.712	45	14604	30.723	ppbv	91
15) Acetone	1.826	43	162252	6.048	ppbv	95
16) 1,3-Butadiene	1.612	39	1183	0.107	ppbv	83
17) tert-Butyl alcohol	2.033	59	2240	0.079	ppbv #	74
18) 1,1-Dichloroethene	2.327	96	987	0.086	ppbv	79
19) Isopropyl Alcohol	1.877	45	9785	0.761	ppbv #	1
20) Methylene Chloride	2.052	84	4187	0.358	ppbv	86
21) Allyl Chloride	2.088	41	1249	0.073	ppbv #	73
22) trans-1,2-Dichloroethene	2.327	96	987	0.076	ppbv	94
23) Vinyl Acetate	2.444	43	2203	0.387	ppbv #	42
25) Ethyl Acetate	2.813	43	52606	0.782	ppbv #	77
26) Hexane	2.813	57	73032	2.821	ppbv #	34
27) Carbon Disulfide	2.140	76	22478	0.735	ppbv #	27
29) Chloroform	2.832	83	24206	0.548	ppbv	94
30) Cyclohexane	3.839	84	1468	0.069	ppbv #	1
31) cis-1,2-Dichloroethene	2.327	61	1579	0.059	ppbv	96
32) 1,1,1-Trichloroethane	3.353	97	20342	0.474	ppbv	97
34) 2-Butanone	2.547	43	18507	0.502	ppbv	97
36) Benzene	3.635	78	3880	0.075	ppbv #	87
37) 1,2-Dichloroethane	3.347	62	1843	0.060	ppbv #	1
38) Trichloroethene	4.525	130	3123349	144.359	ppbv	98
39) 1,2-Dichloropropane	4.515	63	6934	0.360	ppbv #	1
41) Tetrahydrofuran	3.049	42	3925	0.206	ppbv #	84
42) Bromodichloromethane	4.525	83	44943	1.035	ppbv #	90
51) 2-Hexanone	7.396	43	6863	0.214	ppbv #	29
52) Tetrachloroethene	8.208	164	1610637	83.752	ppbv	98
53) Toluene	6.907	91	37614	0.717	ppbv	97
57) Chlorobenzene	8.849	112	2478	0.044	ppbv #	77
58) Ethyl Benzene	9.338	91	11436	0.138	ppbv	98
59) m/p-Xylene	9.513	91	25768	0.368	ppbv	99
60) o-Xylene	9.943	91	17164	0.246	ppbv	93
61) Styrene	9.853	104	919	0.031	ppbv #	1
62) Isopropylbenzene	10.523	105	3308	0.031	ppbv #	79
63) 1,1,2,2-Tetrachloroethane	9.927	83	6771	0.135	ppbv #	96
64) n-propylbenzene	10.969	120	1259	0.046	ppbv #	1

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

Instrument :
MSVOA_L
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SV1

Quant Time: Oct 09 22:16:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Oct 03 08:23:34 2025
Response via : Initial Calibration

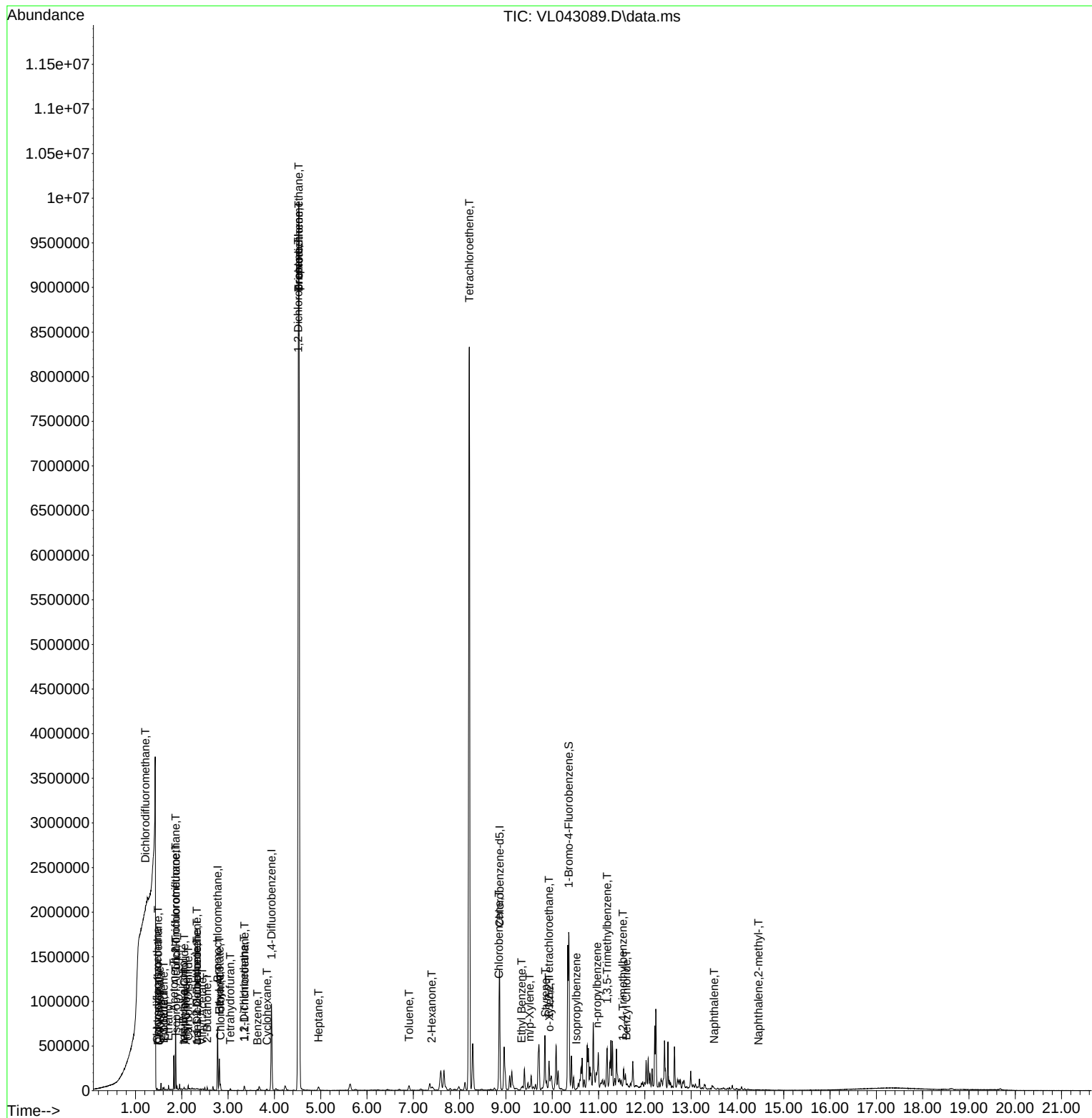
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) Benzyl Chloride	11.604	91	134	0.037	ppbv #	65
73) 1,3,5-Trimethylbenzene	11.186	105	3987	0.056	ppbv	93
74) 1,2,4-Trimethylbenzene	11.523	105	5996	0.074	ppbv #	50
79) Naphthalene	13.497	128	401	0.240	ppbv #	63
80) Naphthalene,2-methyl-	14.455	142	502	0.677	ppbv #	78

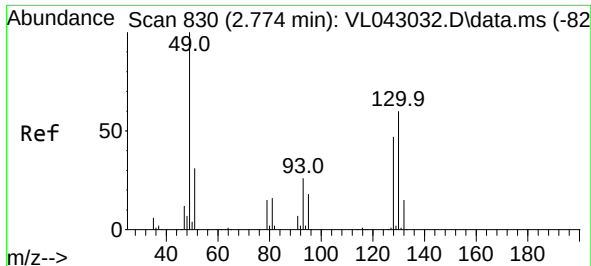
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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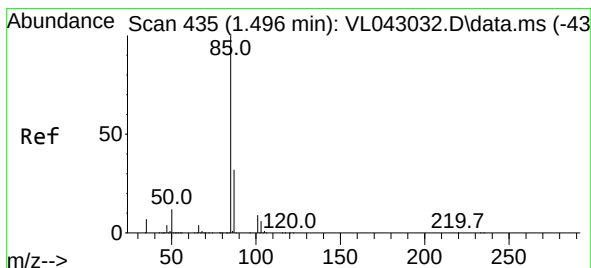
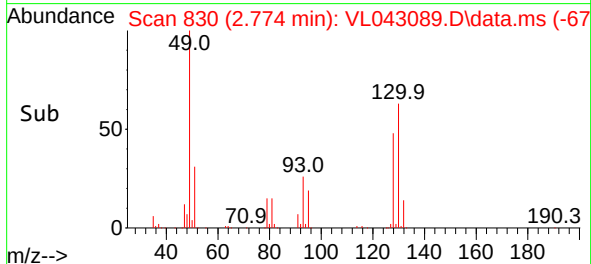
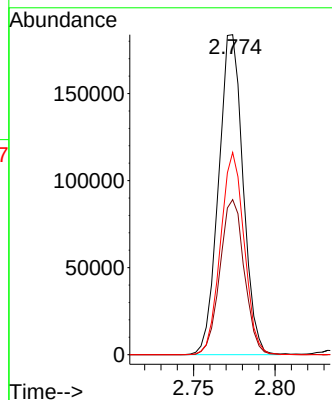
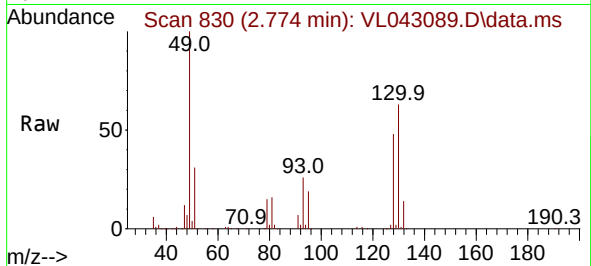




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.774 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VL043089.D
 Acq: 09 Oct 2025 15:31

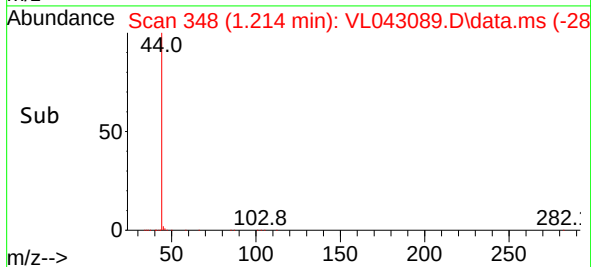
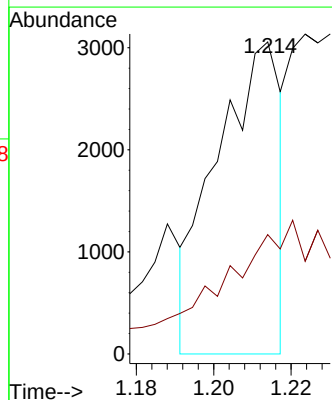
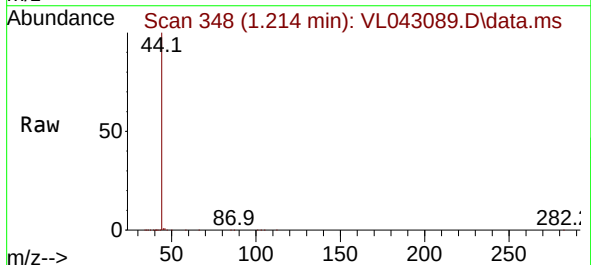
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

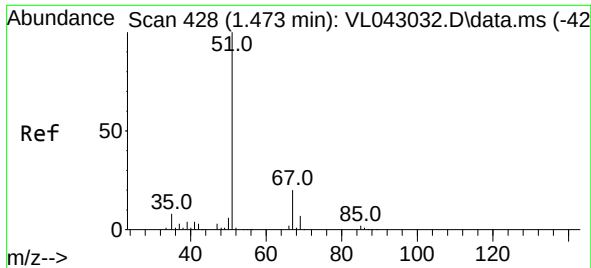
Tgt Ion: 49 Resp: 191613
 Ion Ratio Lower Upper
 49 100
 128 48.2 24.1 72.2
 130 61.1 31.4 94.3



#2
 Dichlorodifluoromethane
 Concen: 0.109 ppbv
 RT: 1.214 min Scan# 348
 Delta R.T. -0.282 min
 Lab File: VL043089.D
 Acq: 09 Oct 2025 15:31

Tgt Ion: 85 Resp: 3518
 Ion Ratio Lower Upper
 85 100
 87 38.4 25.8 38.6

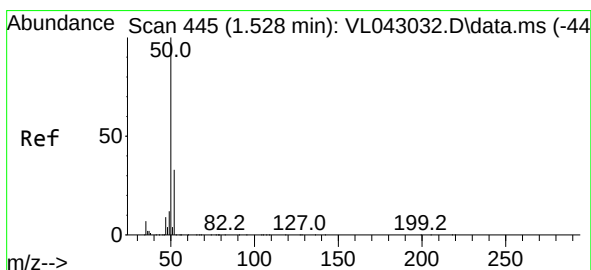
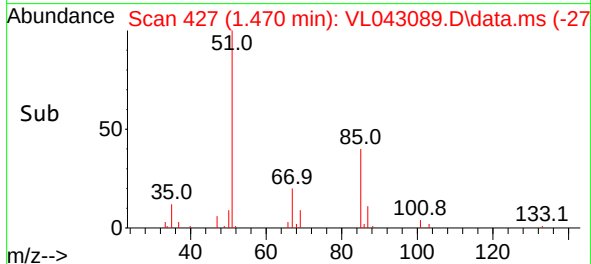
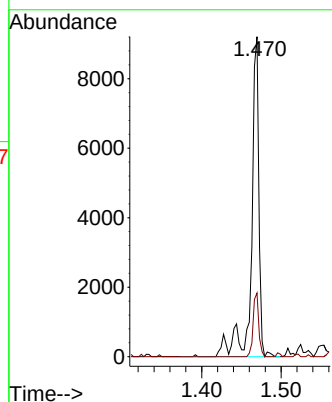
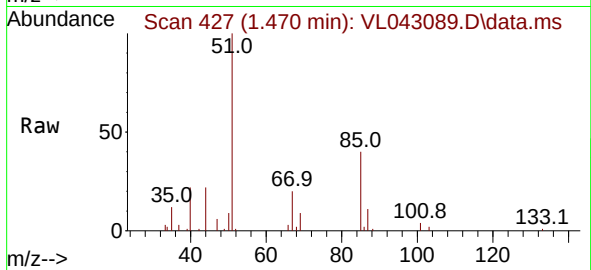




#3
Chlorodifluoromethane
Concen: 0.191 ppbv
RT: 1.470 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

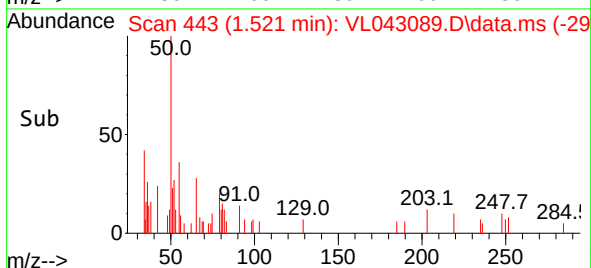
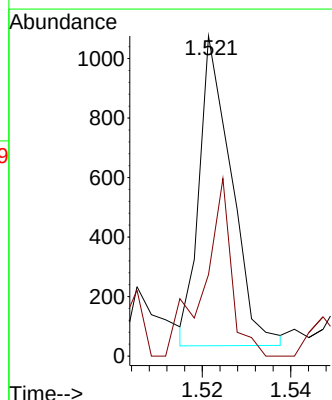
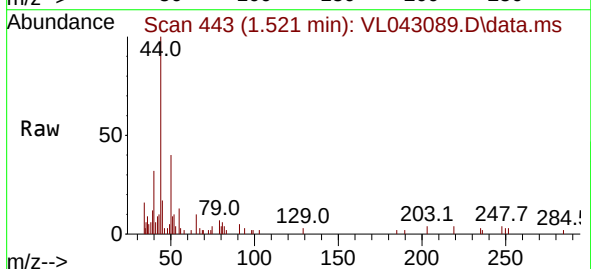
Instrument :
MSVOA_L
ClientSampleId :
SV1

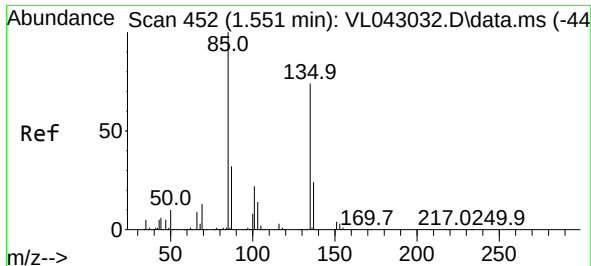
Tgt Ion: 51 Resp: 5972
Ion Ratio Lower Upper
51 100
67 15.1 15.1 22.7#



#4
Chloromethane
Concen: 0.045 ppbv
RT: 1.521 min Scan# 443
Delta R.T. -0.006 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

Tgt Ion: 50 Resp: 526
Ion Ratio Lower Upper
50 100
52 27.2 26.2 39.2

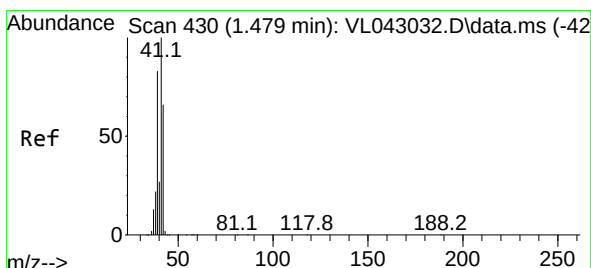
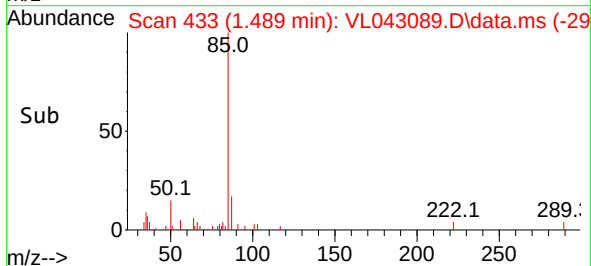
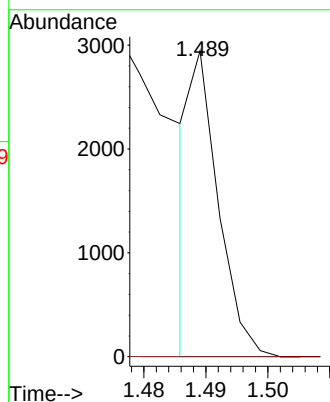
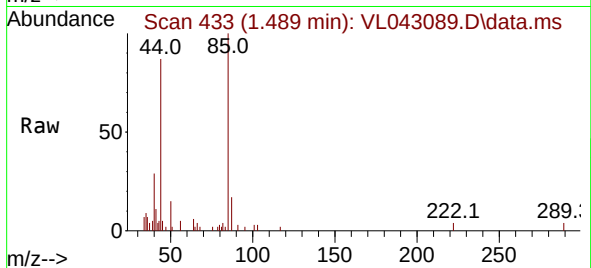




#8
 Dichlorotetrafluoroethane
 Concen: 0.034 ppbv
 RT: 1.489 min Scan# 411
 Delta R.T. -0.062 min
 Lab File: VL043089.D
 Acq: 09 Oct 2025 15:31

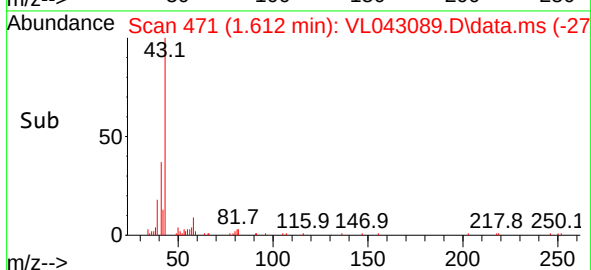
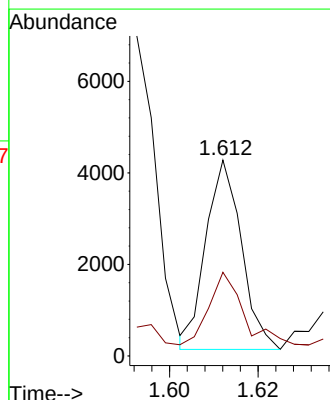
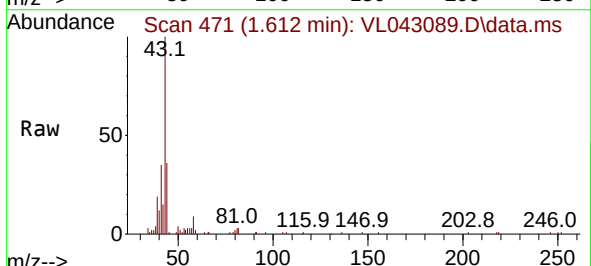
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

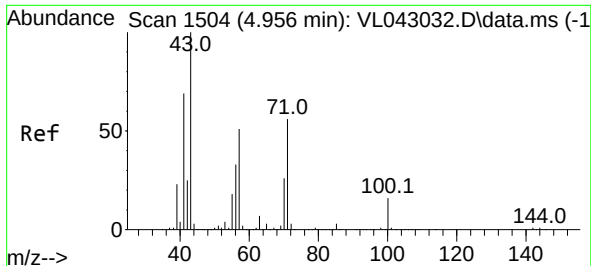
Tgt Ion: 85 Resp: 907
 Ion Ratio Lower Upper
 85 100
 135 0.0 56.3 84.5#



#9
 Propene
 Concen: 0.183 ppbv
 RT: 1.612 min Scan# 471
 Delta R.T. 0.133 min
 Lab File: VL043089.D
 Acq: 09 Oct 2025 15:31

Tgt Ion: 41 Resp: 2307
 Ion Ratio Lower Upper
 41 100
 42 60.4 53.3 79.9

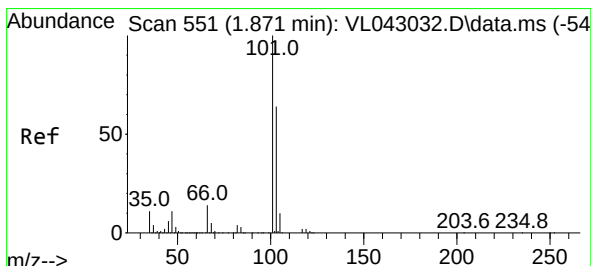
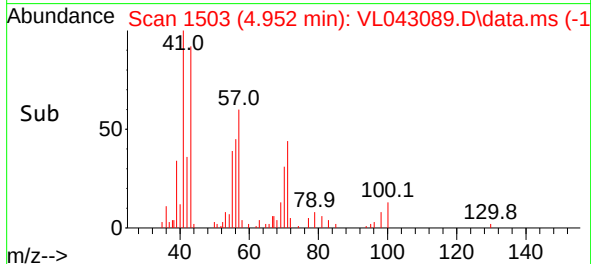
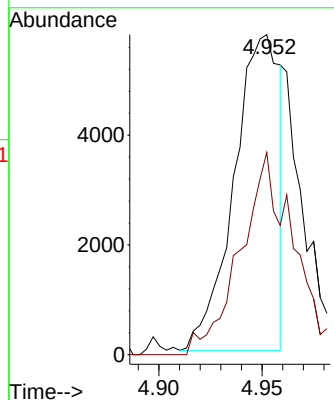
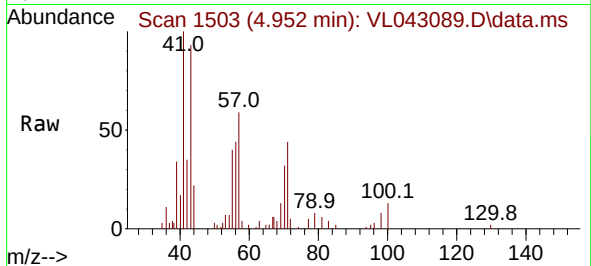




#10
Heptane
Concen: 0.284 ppbv
RT: 4.952 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

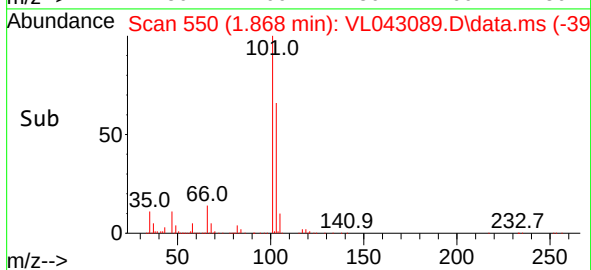
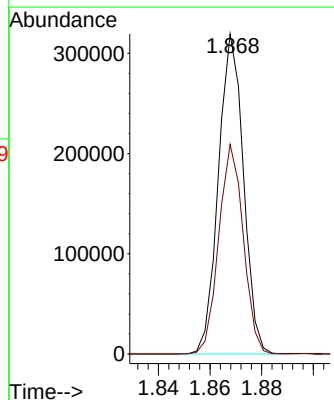
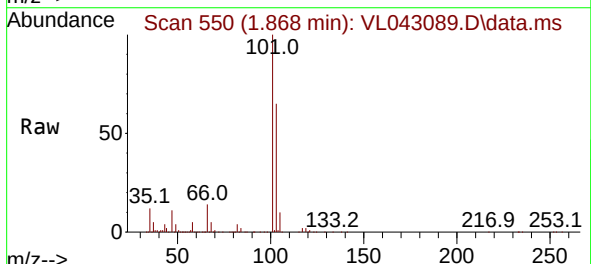
Instrument :
MSVOA_L
ClientSampleId :
SV1

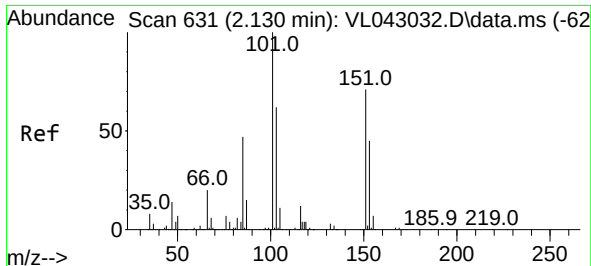
Tgt Ion: 43 Resp: 8791
Ion Ratio Lower Upper
43 100
57 74.8 40.3 60.5#



#11
Trichlorofluoromethane
Concen: 6.466 ppbv
RT: 1.868 min Scan# 550
Delta R.T. -0.003 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

Tgt Ion:101 Resp: 214597
Ion Ratio Lower Upper
101 100
103 65.5 51.1 76.7

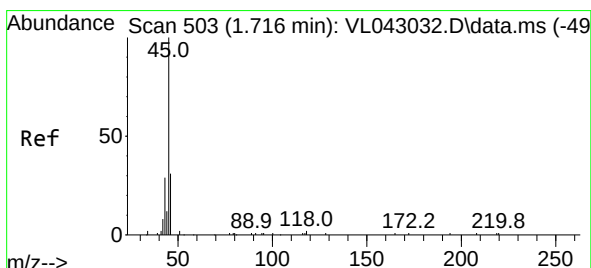
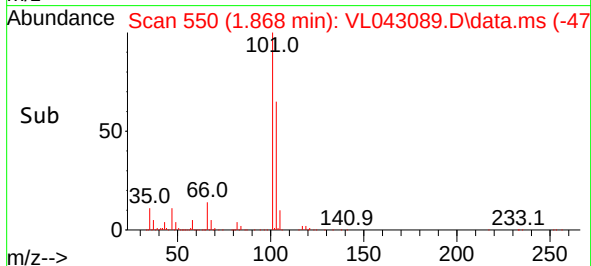
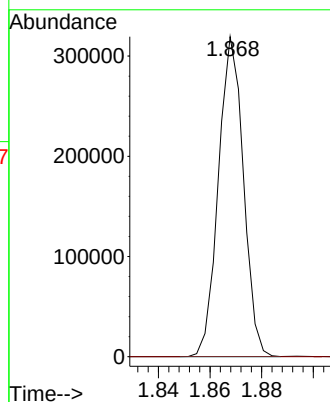
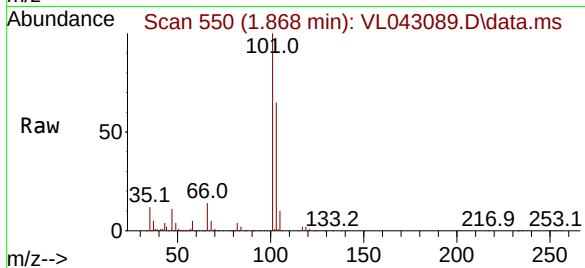




#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.210 ppbv
RT: 1.868 min Scan# 51
Delta R.T. -0.262 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

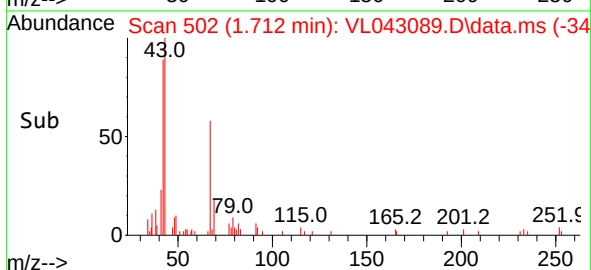
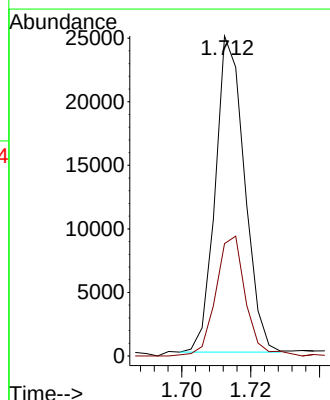
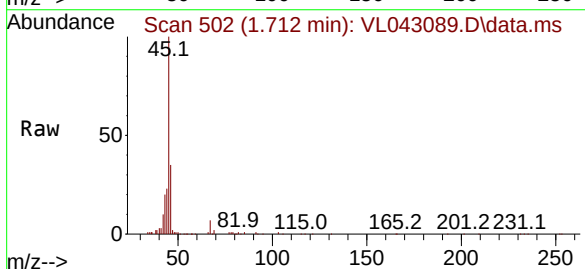
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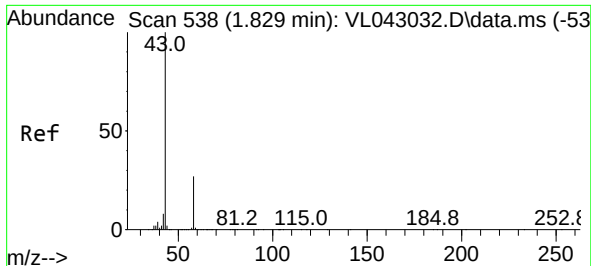
Tgt Ion:101 Resp: 214597
Ion Ratio Lower Upper
101 100
151 0.0 58.1 87.1#



#13
Ethanol
Concen: 30.723 ppbv
RT: 1.712 min Scan# 502
Delta R.T. -0.004 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

Tgt Ion: 45 Resp: 14604
Ion Ratio Lower Upper
45 100
46 38.9 17.8 71.4

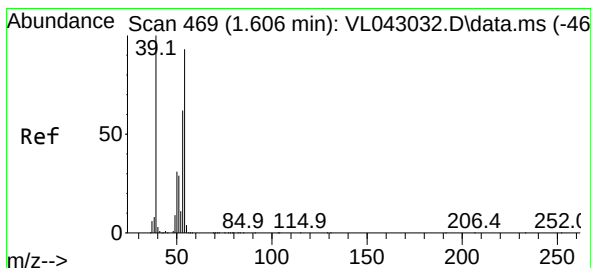
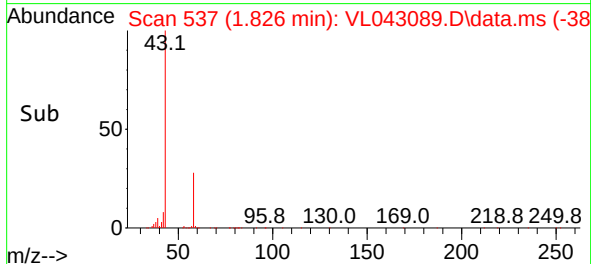
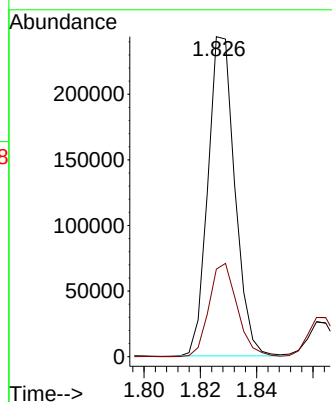
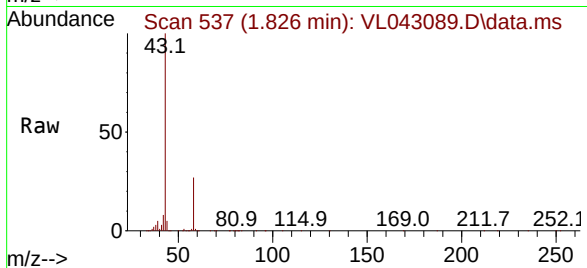




#15
Acetone
Concen: 6.048 ppbv
RT: 1.826 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

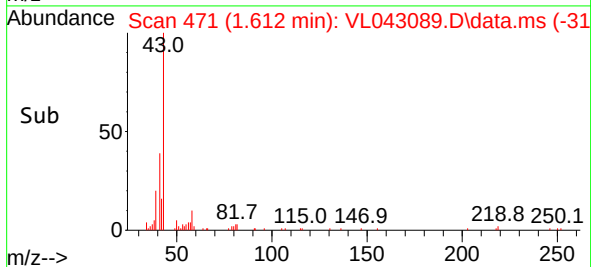
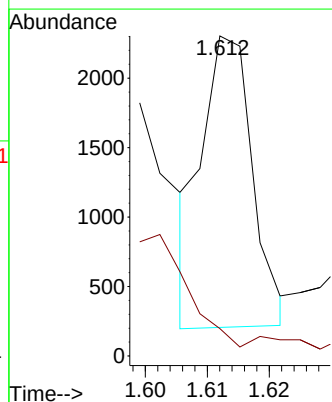
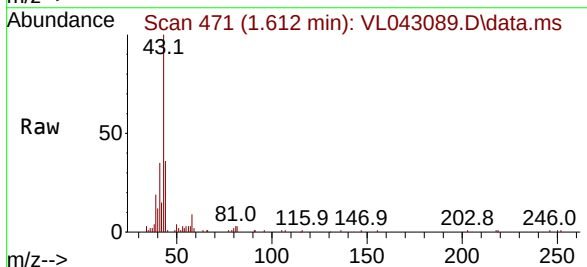
Instrument :
MSVOA_L
ClientSampleId :
SV1

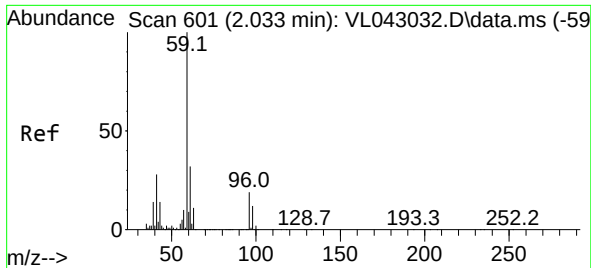
Tgt Ion: 43 Resp: 162252
Ion Ratio Lower Upper
43 100
58 30.5 22.2 33.4



#16
1,3-Butadiene
Concen: 0.107 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.006 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

Tgt Ion: 39 Resp: 1183
Ion Ratio Lower Upper
39 100
54 91.6 61.4 92.2

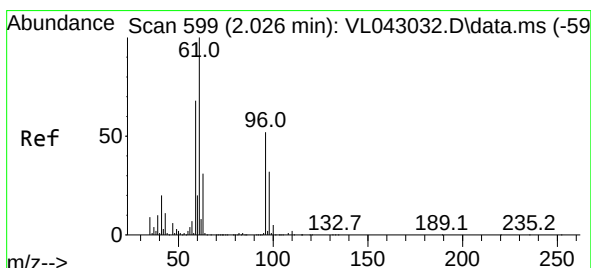
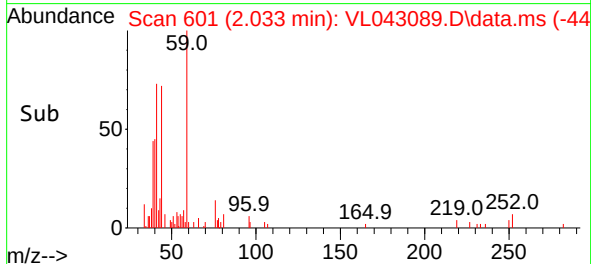
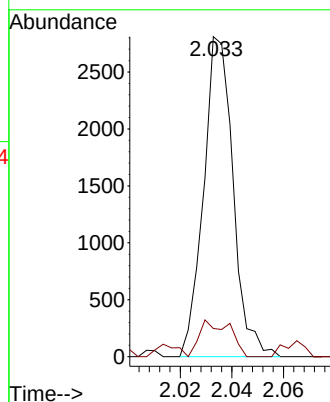
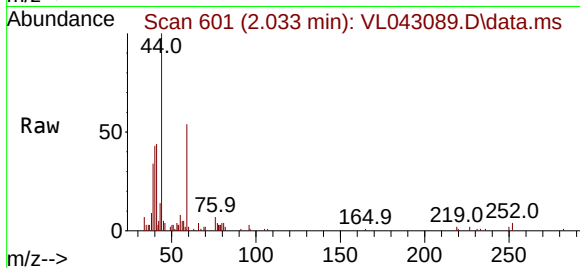




#17
tert-Butyl alcohol
Concen: 0.079 ppbv
RT: 2.033 min Scan# 601
Delta R.T. -0.000 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

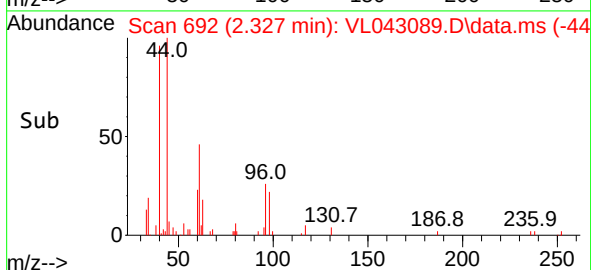
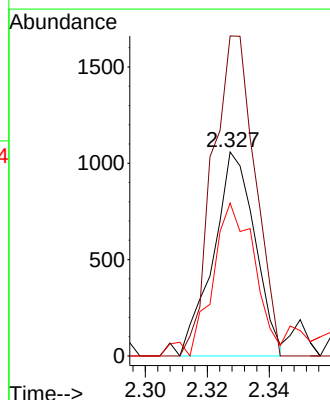
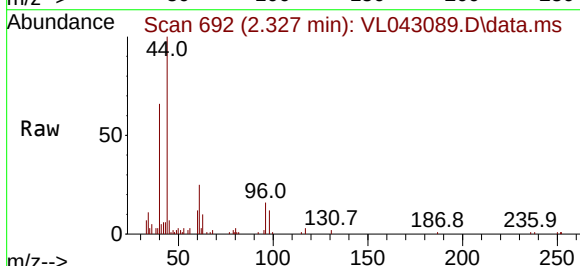
Instrument :
MSVOA_L
ClientSampleId :
SV1

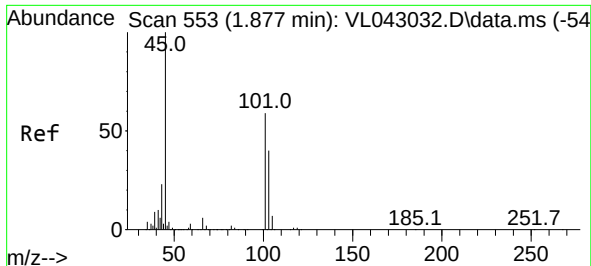
Tgt Ion: 59 Resp: 2240
Ion Ratio Lower Upper
59 100
57 20.3 8.5 12.7#



#18
1,1-Dichloroethene
Concen: 0.086 ppbv
RT: 2.327 min Scan# 692
Delta R.T. 0.301 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

Tgt Ion: 96 Resp: 987
Ion Ratio Lower Upper
96 100
61 156.8 153.0 229.6
98 69.8 48.8 73.2

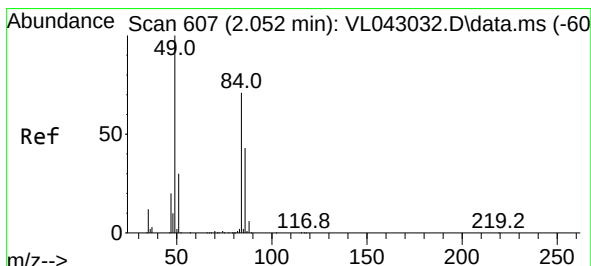
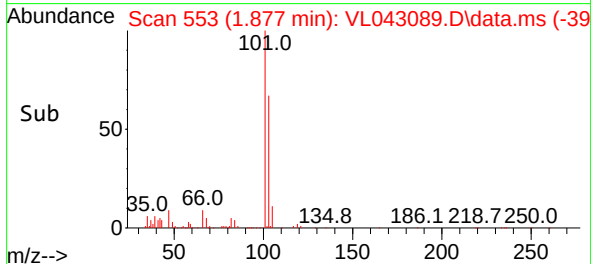
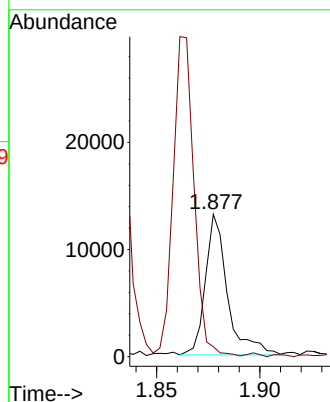
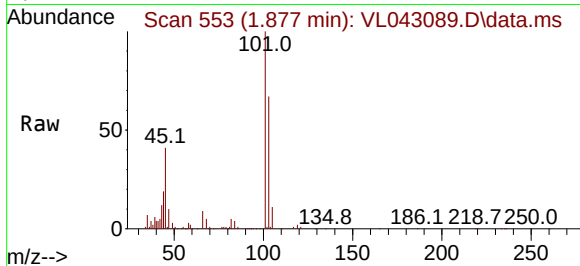




#19
Isopropyl Alcohol
Concen: 0.761 ppbv
RT: 1.877 min Scan# 511
Delta R.T. -0.000 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

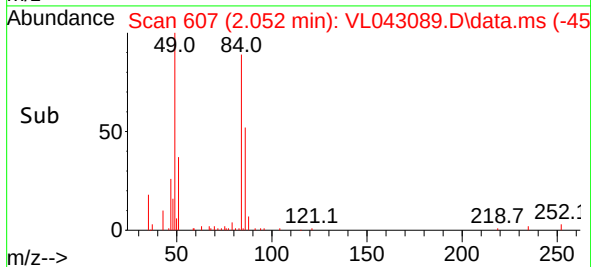
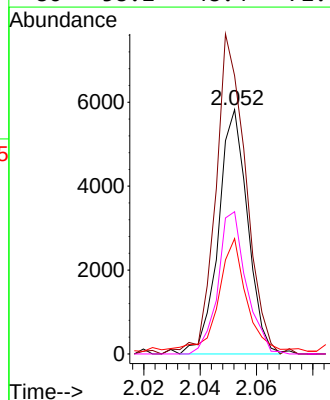
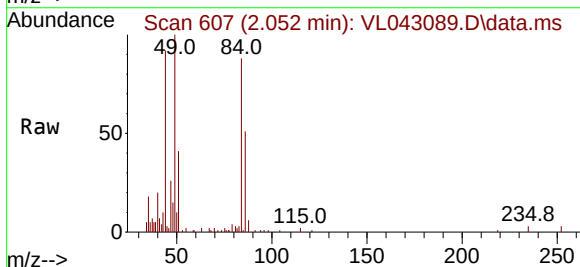
Instrument :
MSVOA_1
ClientSampleId :
SV1

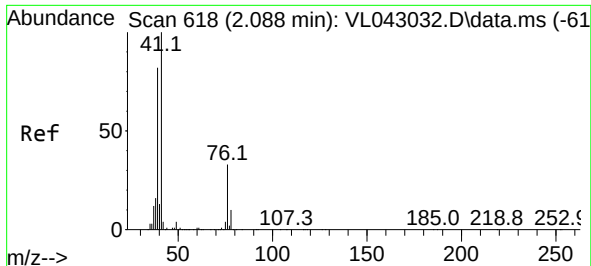
Tgt Ion: 45 Resp: 9785
Ion Ratio Lower Upper
45 100
58 216.6 42.3 63.5#



#20
Methylene Chloride
Concen: 0.358 ppbv
RT: 2.052 min Scan# 607
Delta R.T. -0.000 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

Tgt Ion: 84 Resp: 4187
Ion Ratio Lower Upper
84 100
49 113.9 112.5 168.7
51 44.5 34.2 51.2
86 58.2 48.4 72.6

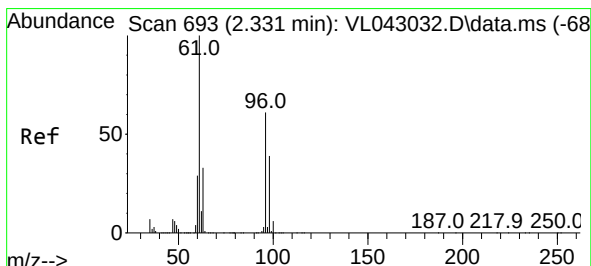
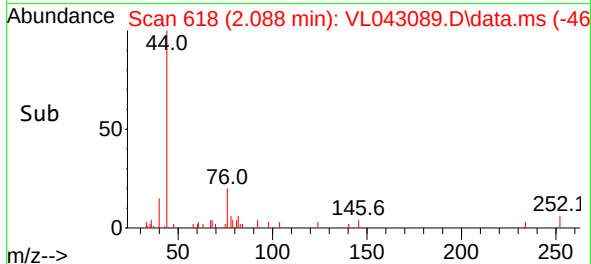
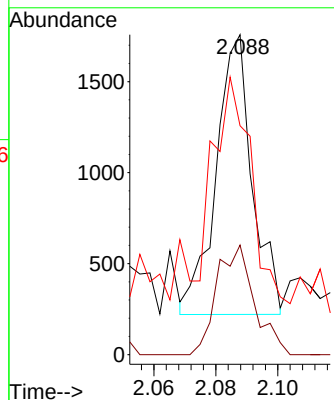
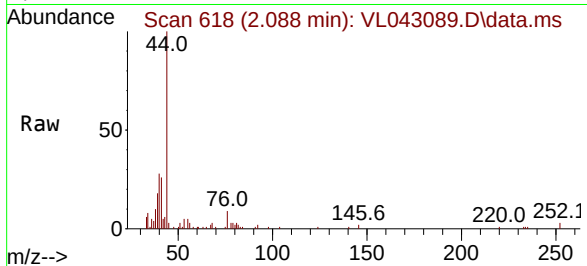




#21
 Allyl Chloride
 Concen: 0.073 ppbv
 RT: 2.088 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL043089.D
 Acq: 09 Oct 2025 15:31

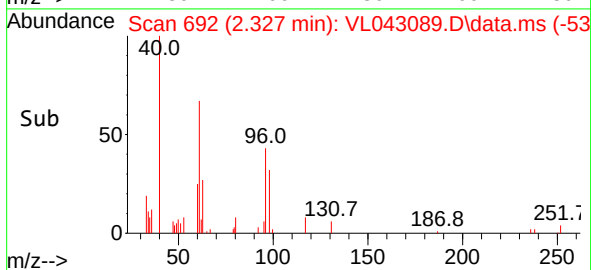
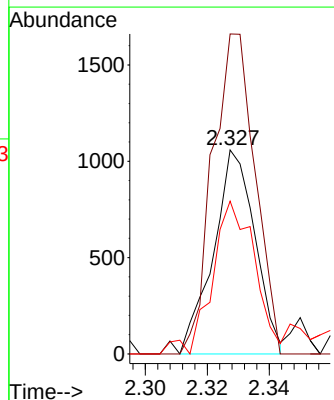
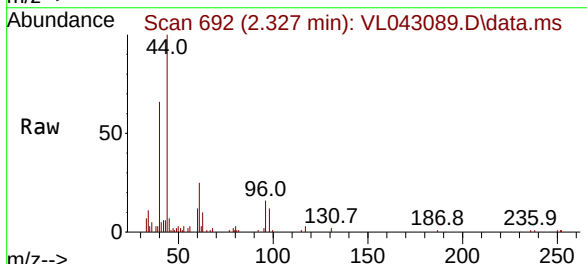
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

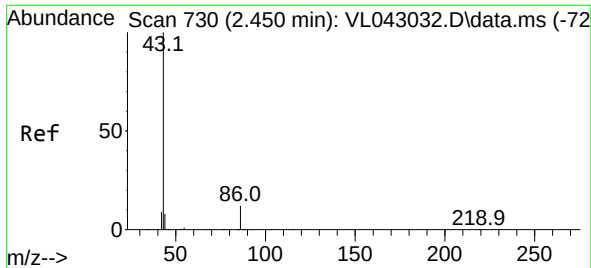
Tgt Ion: 41 Resp: 1249
 Ion Ratio Lower Upper
 41 100
 76 0.0 25.9 38.9#
 39 91.6 63.0 94.4



#22
 trans-1,2-Dichloroethene
 Concen: 0.076 ppbv
 RT: 2.327 min Scan# 692
 Delta R.T. -0.003 min
 Lab File: VL043089.D
 Acq: 09 Oct 2025 15:31

Tgt Ion: 96 Resp: 987
 Ion Ratio Lower Upper
 96 100
 61 156.8 131.9 197.9
 98 69.8 52.1 78.1



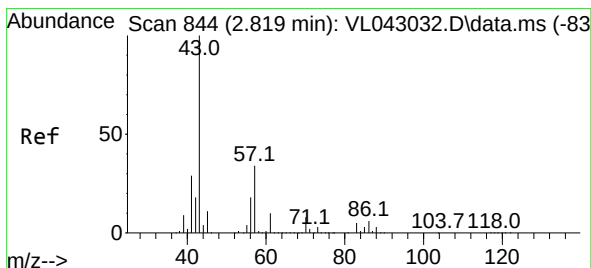
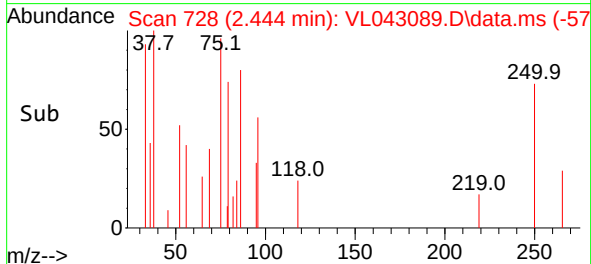
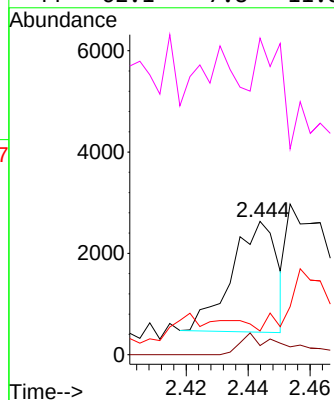
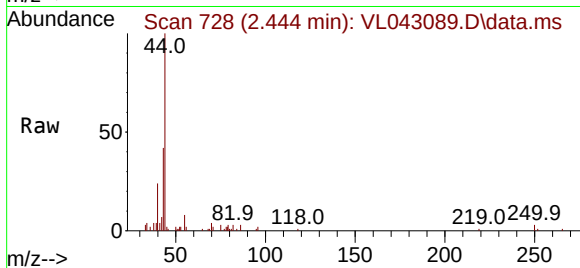


#23
Vinyl Acetate
Concen: 0.387 ppbv
RT: 2.444 min Scan# 71
Delta R.T. -0.007 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 2203

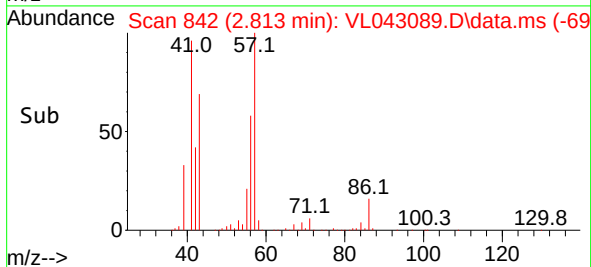
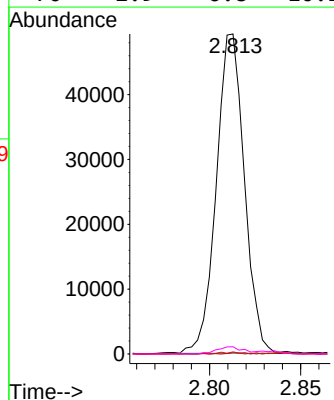
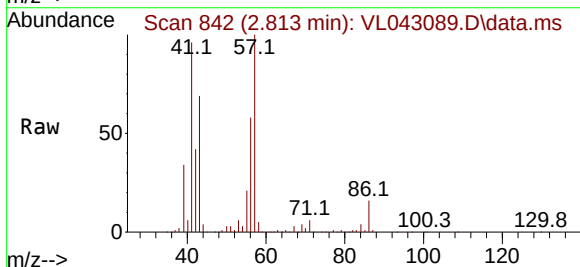
Ion	Ratio	Lower	Upper
43	100		
86	8.4	7.5	11.3
42	0.0	8.4	12.6#
44	62.1	7.8	11.8#

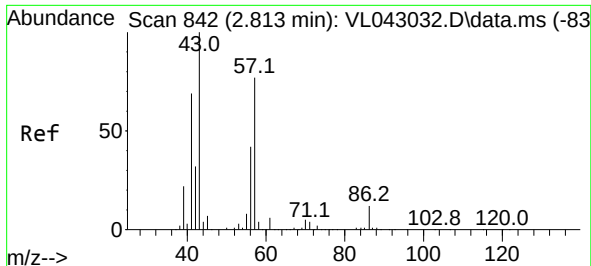


#25
Ethyl Acetate
Concen: 0.782 ppbv
RT: 2.813 min Scan# 842
Delta R.T. -0.006 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

Tgt Ion: 43 Resp: 52606

Ion	Ratio	Lower	Upper
43	100		
45	0.5	8.3	12.5#
61	0.4	7.5	11.3#
70	2.9	6.8	10.2#

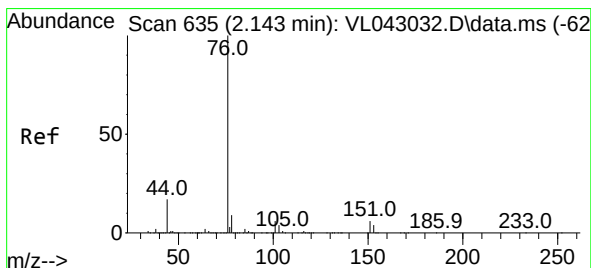
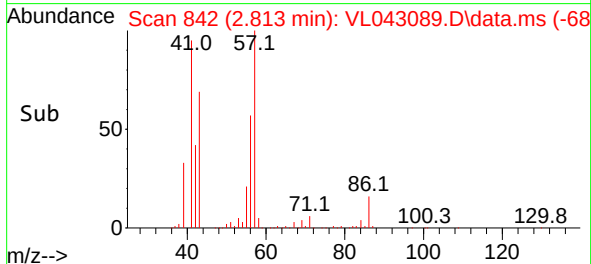
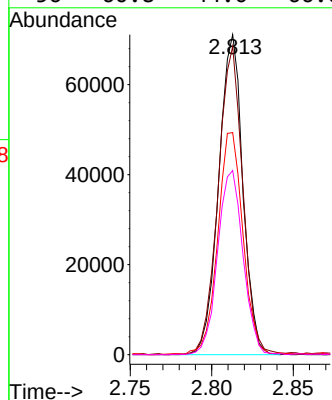
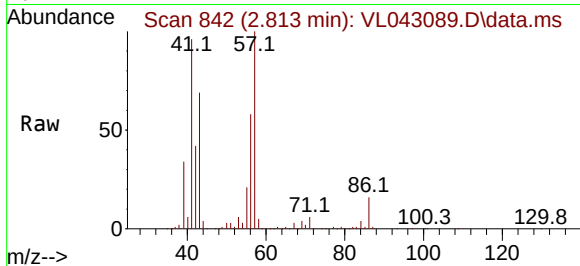




#26
Hexane
Concen: 2.821 ppbv
RT: 2.813 min Scan# 842
Delta R.T. -0.000 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

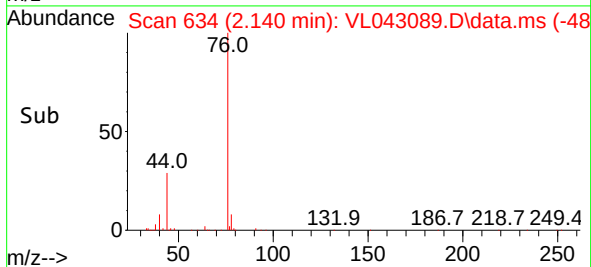
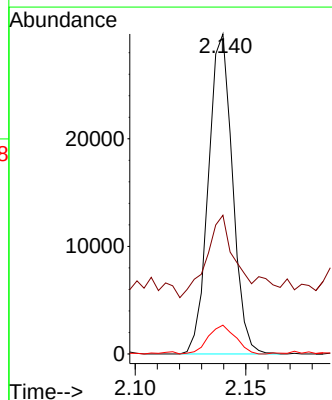
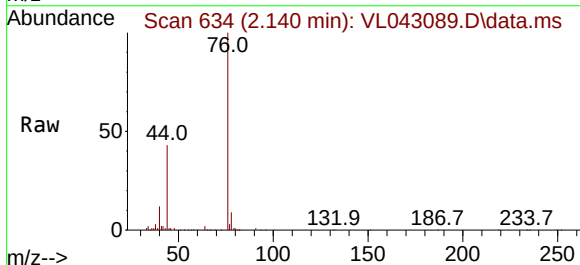
Instrument :
MSVOA_L
ClientSampleId :
SV1

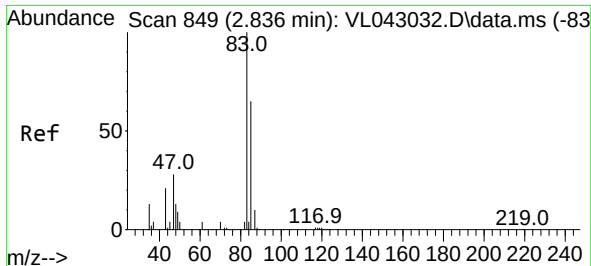
Tgt Ion: 57 Resp: 73032
Ion Ratio Lower Upper
57 100
41 99.7 76.1 114.1
43 73.7 201.4 302.0#
56 60.8 44.0 66.0



#27
Carbon Disulfide
Concen: 0.735 ppbv
RT: 2.140 min Scan# 634
Delta R.T. -0.003 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

Tgt Ion: 76 Resp: 22478
Ion Ratio Lower Upper
76 100
44 70.0 14.0 21.0#
78 10.9 9.4 14.0





#29

Chloroform

Concen: 0.548 ppbv

RT: 2.832 min Scan# 84

Delta R.T. -0.003 min

Lab File: VL043089.D

Acq: 09 Oct 2025 15:31

Instrument :

MSVOA_L

ClientSampleId :

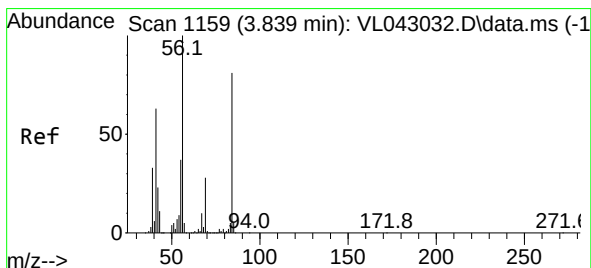
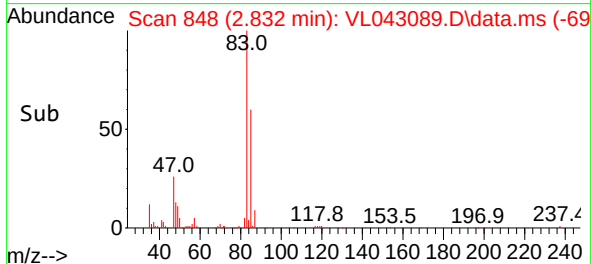
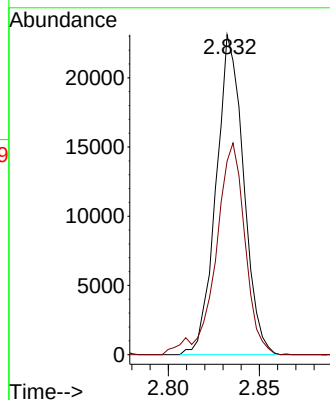
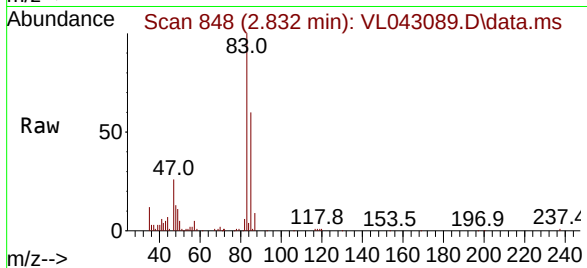
SV1

Tgt Ion: 83 Resp: 24206

Ion Ratio Lower Upper

83 100

85 60.5 52.0 78.0



#30

Cyclohexane

Concen: 0.069 ppbv

RT: 3.839 min Scan# 1159

Delta R.T. -0.000 min

Lab File: VL043089.D

Acq: 09 Oct 2025 15:31

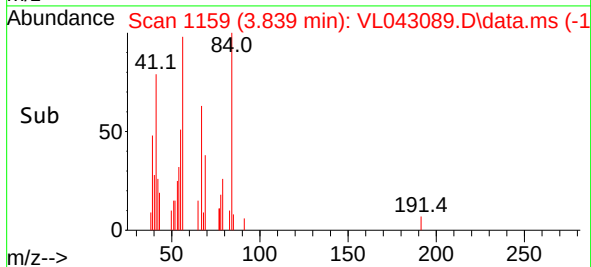
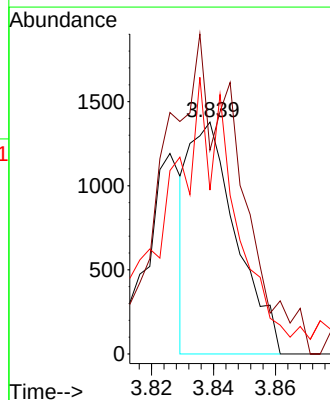
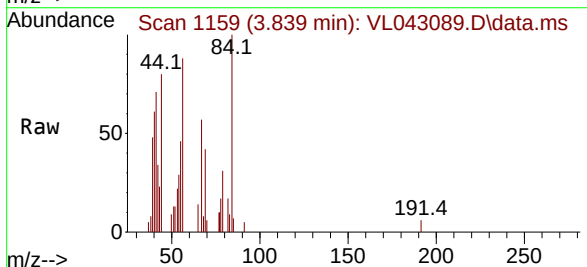
Tgt Ion: 84 Resp: 1468

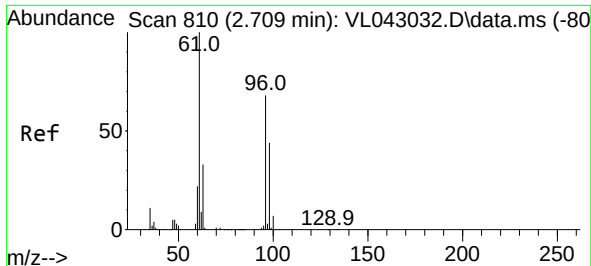
Ion Ratio Lower Upper

84 100

56 237.7 99.9 149.9#

41 179.5 64.2 96.4#

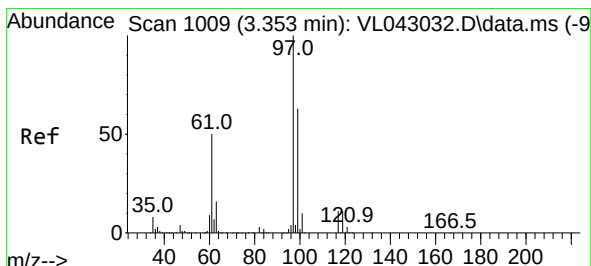
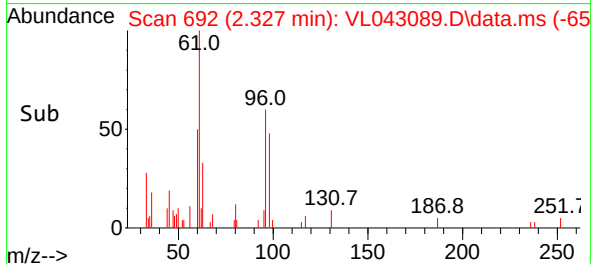
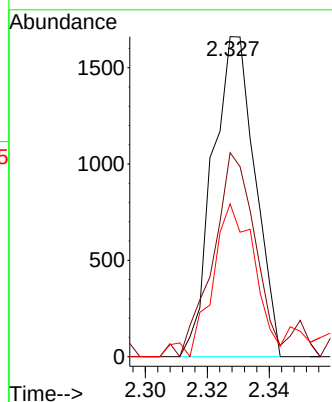
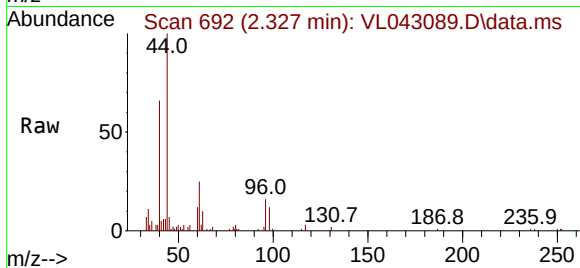




#31
 cis-1,2-Dichloroethene
 Concen: 0.059 ppbv
 RT: 2.327 min Scan# 61
 Delta R.T. -0.382 min
 Lab File: VL043089.D
 Acq: 09 Oct 2025 15:31

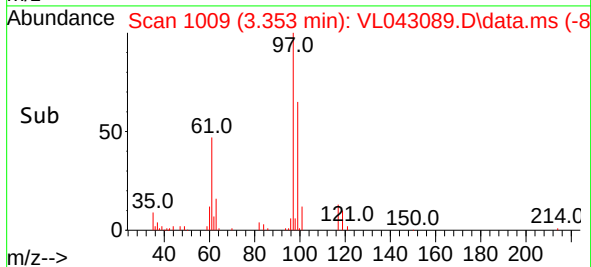
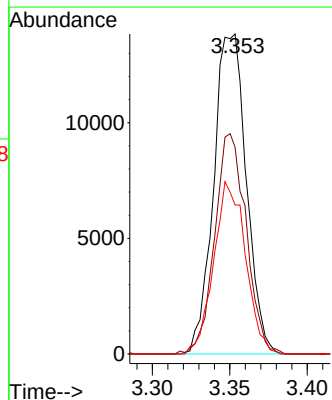
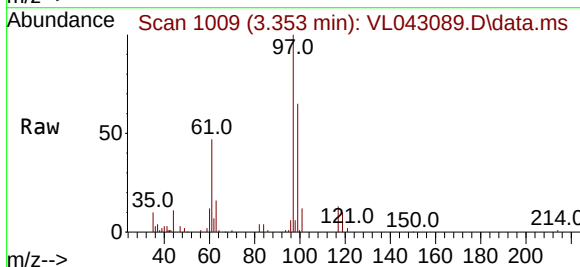
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

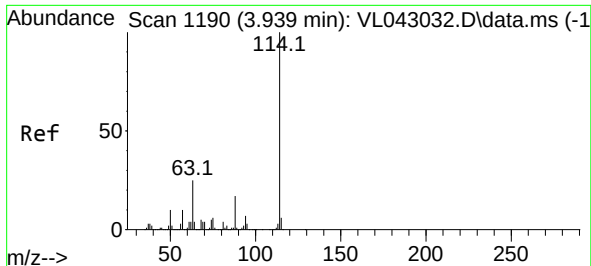
Tgt Ion:	61	Resp:	1579
Ion	Ratio	Lower	Upper
61	100		
96	63.8	54.6	82.0
98	44.5	34.8	52.2



#32
 1,1,1-Trichloroethane
 Concen: 0.474 ppbv
 RT: 3.353 min Scan# 1009
 Delta R.T. -0.000 min
 Lab File: VL043089.D
 Acq: 09 Oct 2025 15:31

Tgt Ion:	97	Resp:	20342
Ion	Ratio	Lower	Upper
97	100		
99	66.1	51.2	76.8
61	52.3	40.1	60.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.936 min Scan# 1190

Delta R.T. -0.003 min

Lab File: VL043089.D

Acq: 09 Oct 2025 15:31

Instrument :

MSVOA_L

ClientSampleId :

SV1

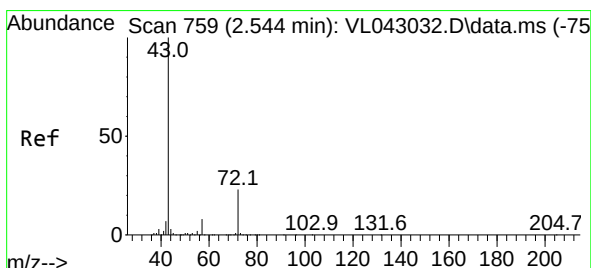
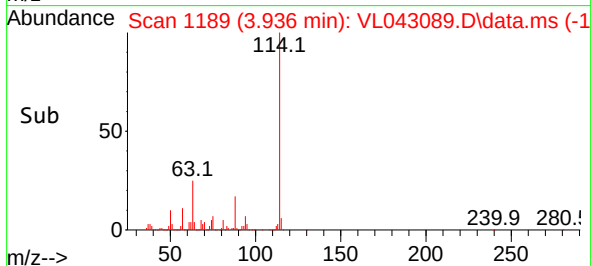
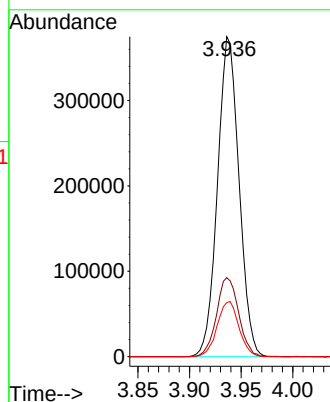
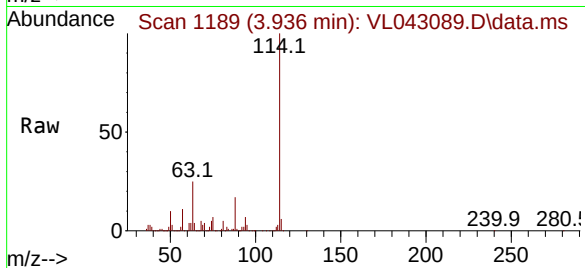
Tgt Ion:114 Resp: 543620

Ion Ratio Lower Upper

114 100

63 25.5 19.4 29.2

88 17.5 13.9 20.9



#34

2-Butanone

Concen: 0.502 ppbv

RT: 2.547 min Scan# 760

Delta R.T. 0.003 min

Lab File: VL043089.D

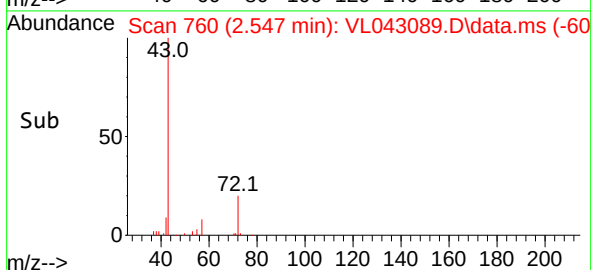
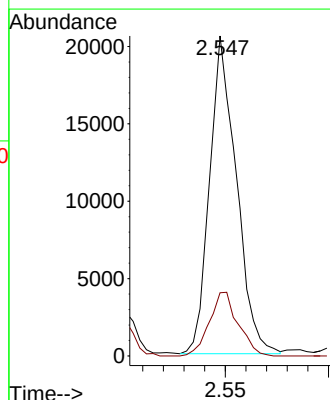
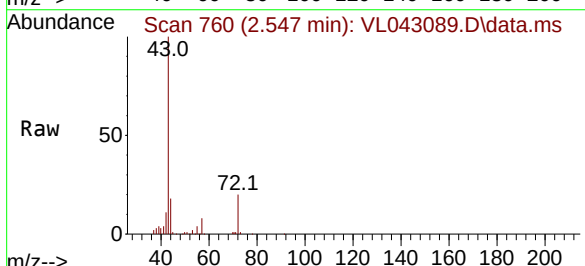
Acq: 09 Oct 2025 15:31

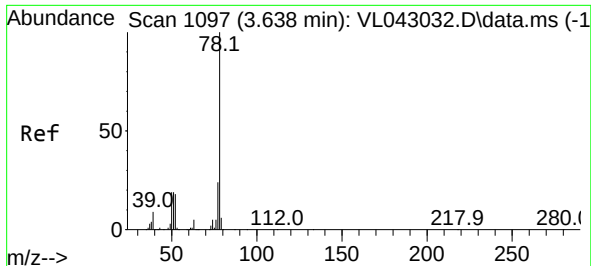
Tgt Ion: 43 Resp: 18507

Ion Ratio Lower Upper

43 100

72 21.5 18.4 27.6

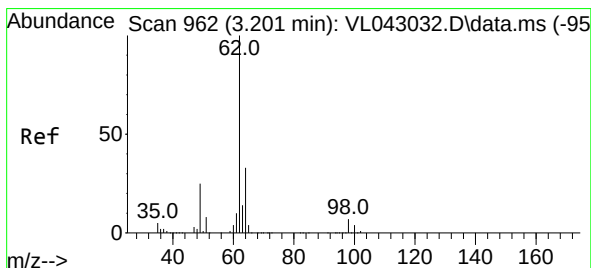
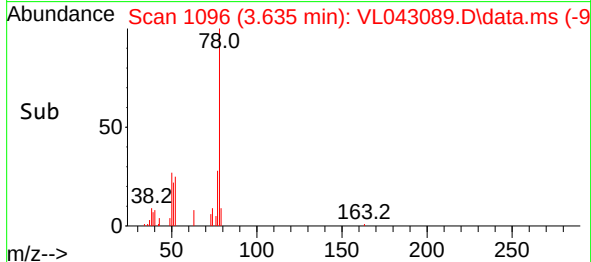
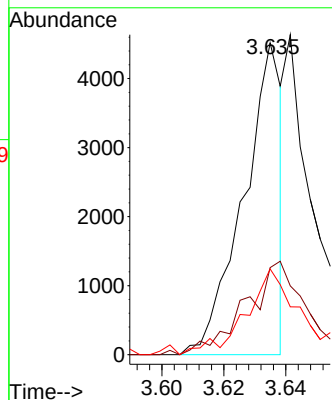
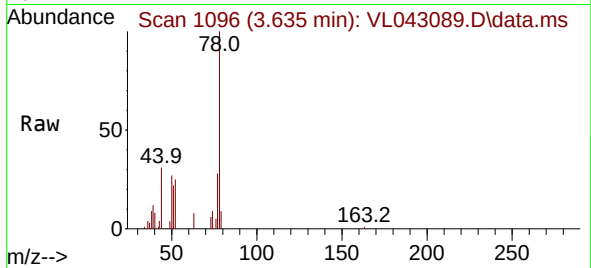




#36
Benzene
Concen: 0.075 ppbv
RT: 3.635 min Scan# 1096
Delta R.T. -0.003 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

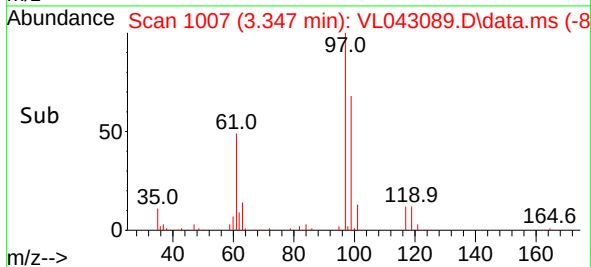
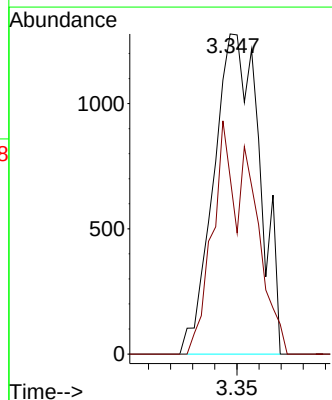
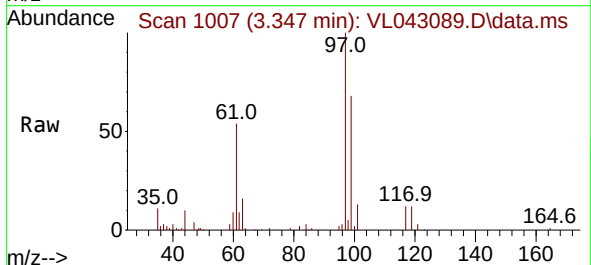
Instrument :
MSVOA_L
ClientSampleId :
SV1

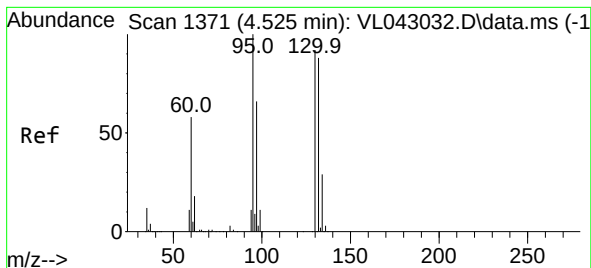
Tgt Ion: 78 Resp: 3880
Ion Ratio Lower Upper
78 100
77 27.9 19.2 28.8
50 27.5 14.9 22.3#



#37
1,2-Dichloroethane
Concen: 0.060 ppbv
RT: 3.347 min Scan# 1007
Delta R.T. 0.146 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

Tgt Ion: 62 Resp: 1843
Ion Ratio Lower Upper
62 100
98 62.1 5.6 8.4#





#38

Trichloroethene

Concen: 144.359 ppbv

RT: 4.525 min Scan# 1

Delta R.T. -0.000 min

Lab File: VL043089.D

Acq: 09 Oct 2025 15:31

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion:130 Resp: 3123349

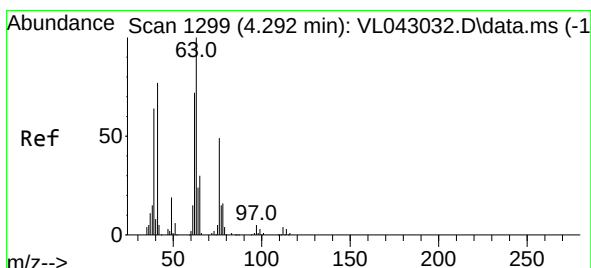
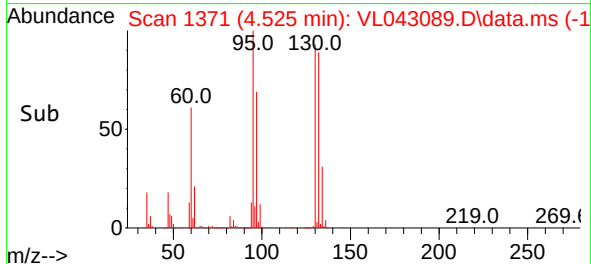
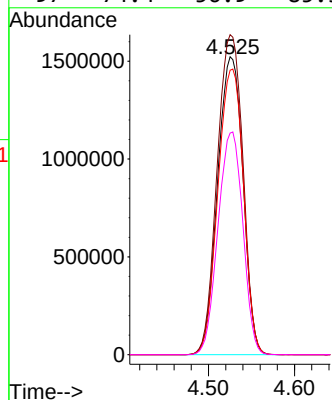
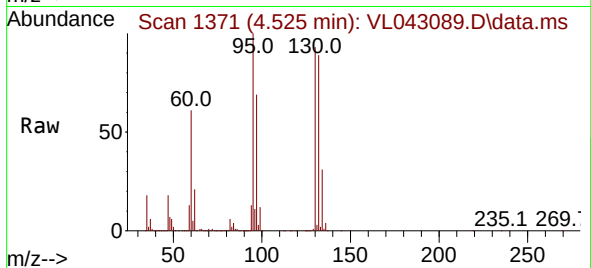
Ion Ratio Lower Upper

130 100

95 107.4 86.4 129.6

132 95.5 75.7 113.5

97 74.4 56.9 85.3



#39

1,2-Dichloropropane

Concen: 0.360 ppbv

RT: 4.515 min Scan# 1368

Delta R.T. 0.223 min

Lab File: VL043089.D

Acq: 09 Oct 2025 15:31

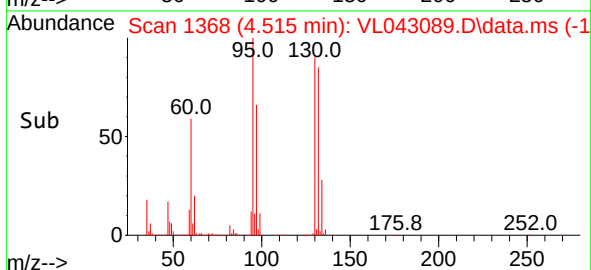
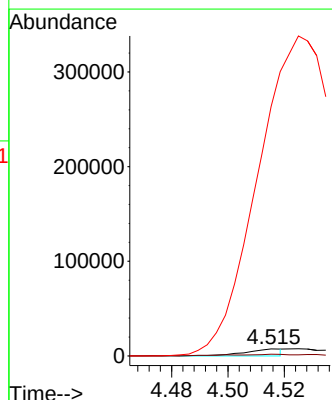
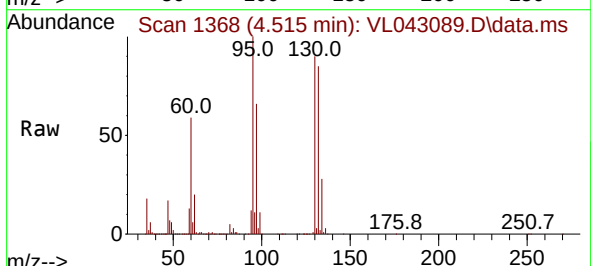
Tgt Ion: 63 Resp: 6934

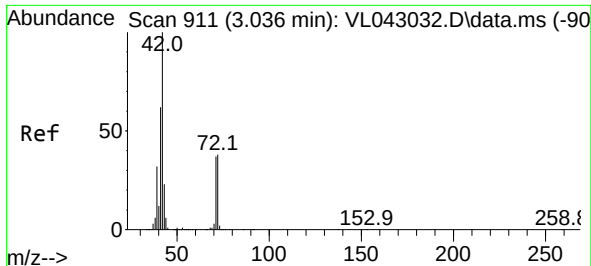
Ion Ratio Lower Upper

63 100

41 22.9 61.6 92.4#

62 3494.9 58.1 87.1#





#41

Tetrahydrofuran

Concen: 0.206 ppbv

RT: 3.049 min Scan# 911

Delta R.T. 0.013 min

Lab File: VL043089.D

Acq: 09 Oct 2025 15:31

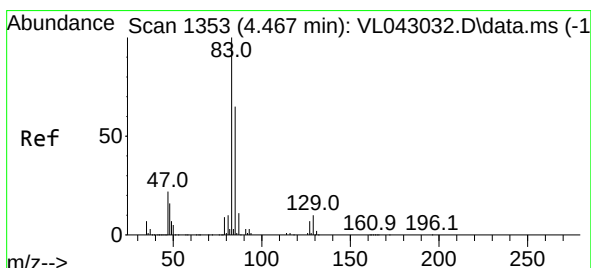
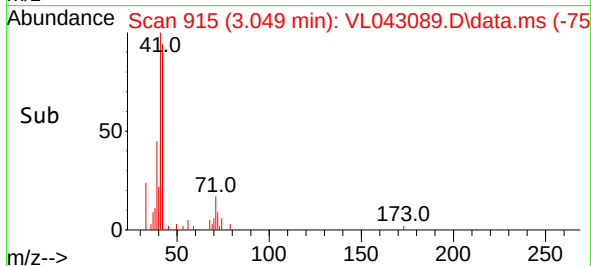
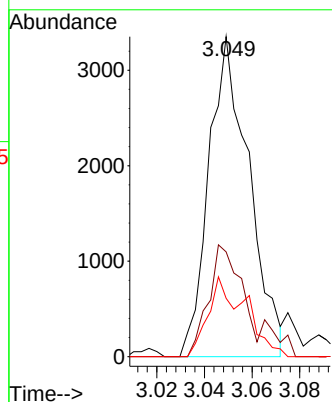
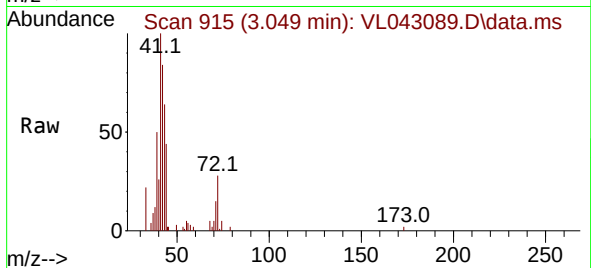
Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion:	42	Resp:	3925
Ion Ratio	Lower	Upper	
42	100		
72	33.9	31.0	46.6
71	23.3	29.8	44.6#



#42

Bromodichloromethane

Concen: 1.035 ppbv

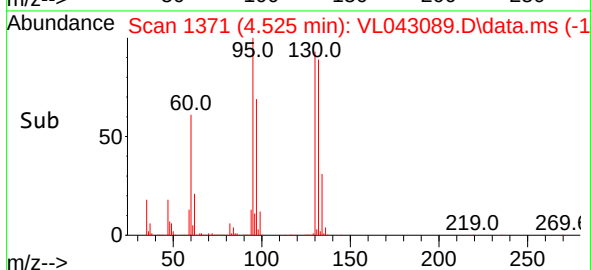
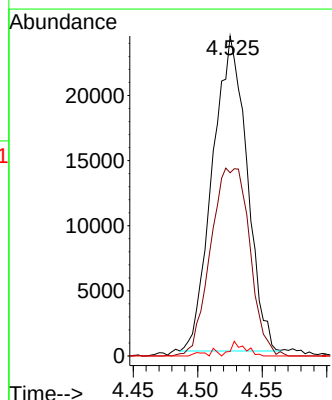
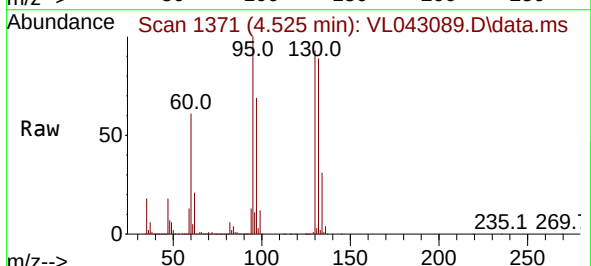
RT: 4.525 min Scan# 1371

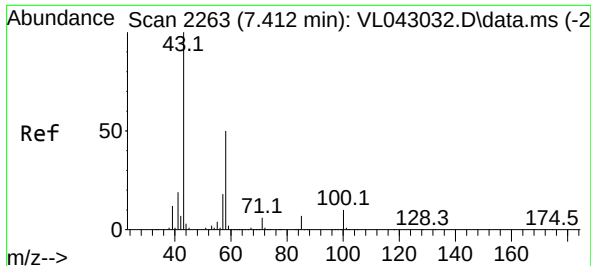
Delta R.T. 0.058 min

Lab File: VL043089.D

Acq: 09 Oct 2025 15:31

Tgt Ion:	83	Resp:	44943
Ion Ratio	Lower	Upper	
83	100		
85	57.5	51.8	77.8
127	1.4	5.9	8.9#

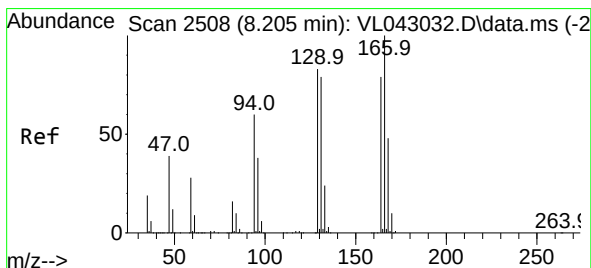
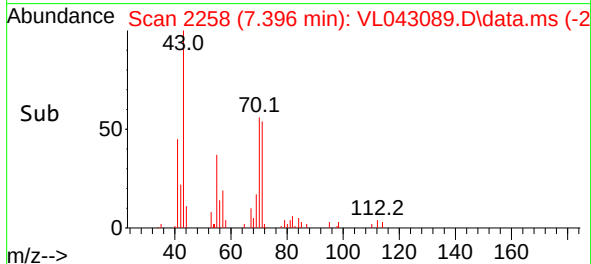
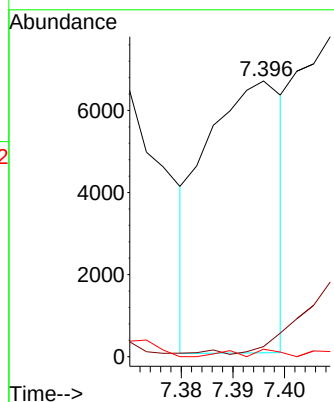
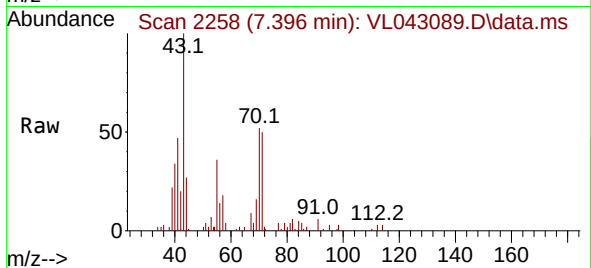




#51
2-Hexanone
Concen: 0.214 ppbv
RT: 7.396 min Scan# 21
Delta R.T. -0.016 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

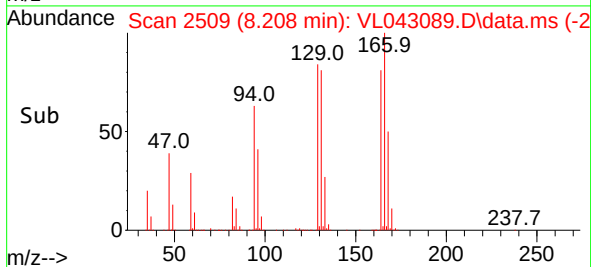
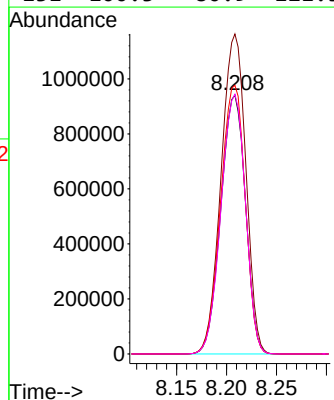
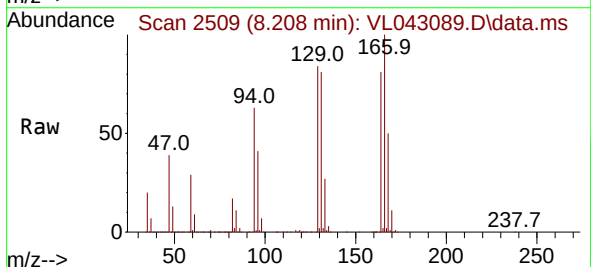
Instrument :
MSVOA_L
ClientSampleId :
SV1

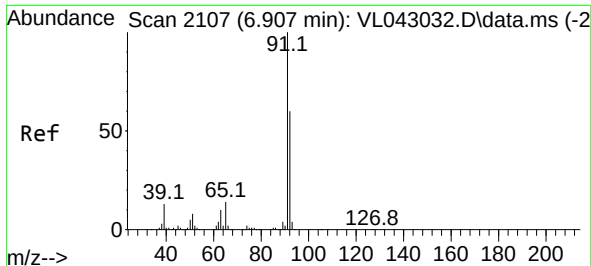
Tgt Ion: 43 Resp: 6863
Ion Ratio Lower Upper
43 100
58 0.0 39.1 58.7#
98 0.0 0.5 0.7#



#52
Tetrachloroethene
Concen: 83.752 ppbv
RT: 8.208 min Scan# 2509
Delta R.T. 0.003 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

Tgt Ion: 164 Resp: 1610637
Ion Ratio Lower Upper
164 100
166 123.6 101.8 152.8
129 103.8 84.5 126.7
131 100.3 80.9 121.3

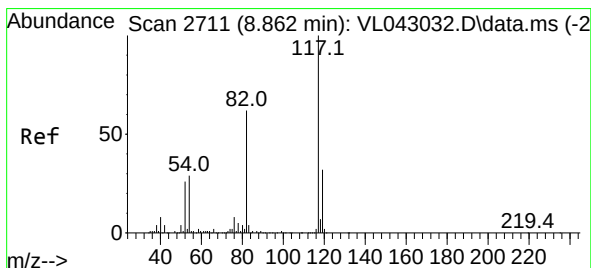
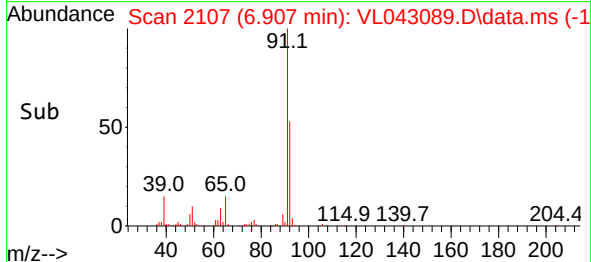
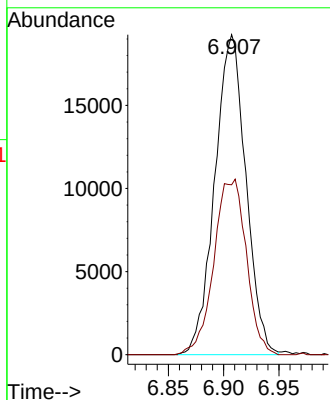
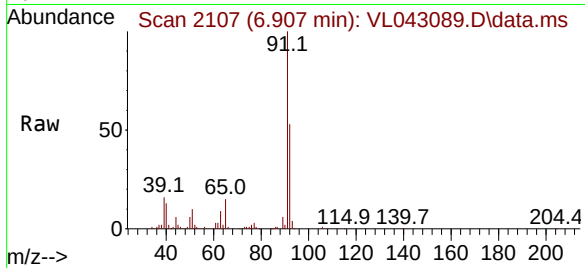




#53
Toluene
Concen: 0.717 ppbv
RT: 6.907 min Scan# 2107
Delta R.T. -0.000 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

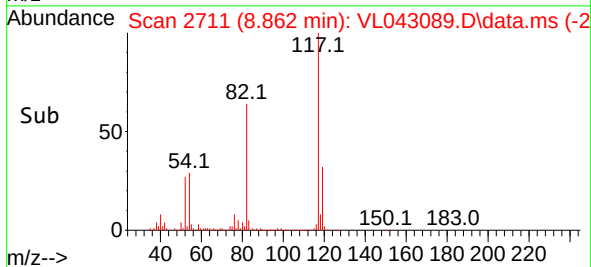
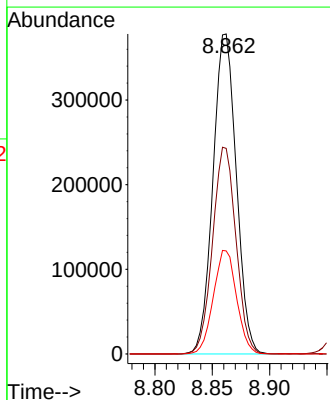
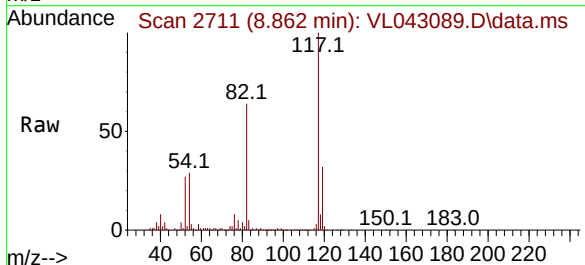
Instrument :
MSVOA_L
ClientSampleId :
SV1

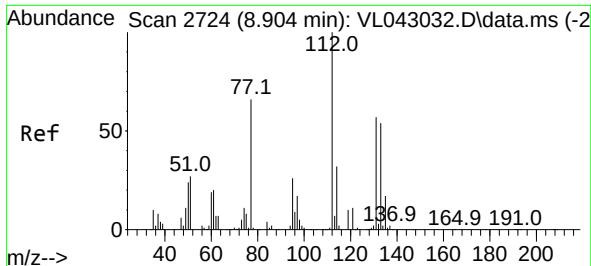
Tgt Ion: 91 Resp: 37614
Ion Ratio Lower Upper
91 100
92 57.3 47.8 71.6



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.862 min Scan# 2711
Delta R.T. -0.000 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

Tgt Ion: 117 Resp: 535675
Ion Ratio Lower Upper
117 100
82 64.7 53.0 79.6
119 32.2 25.4 38.2

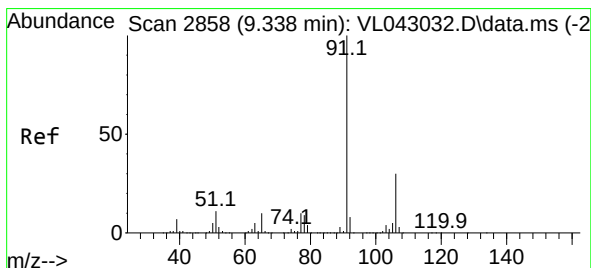
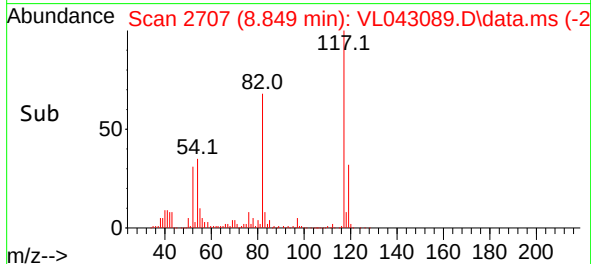
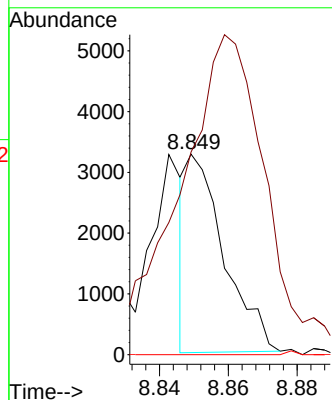
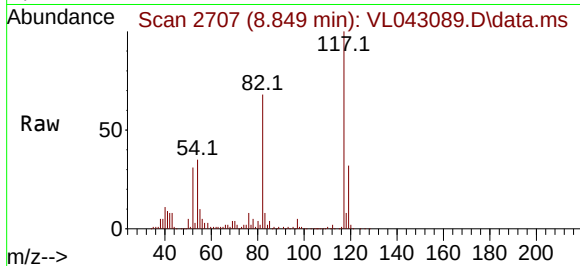




#57
Chlorobenzene
Concen: 0.044 ppbv
RT: 8.849 min Scan# 21
Delta R.T. -0.055 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

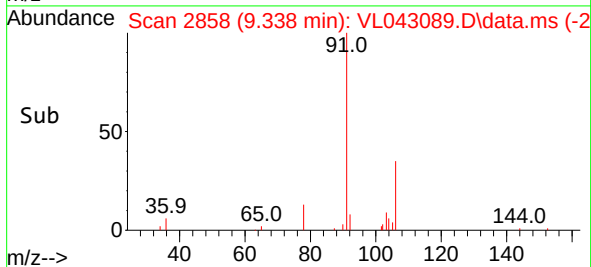
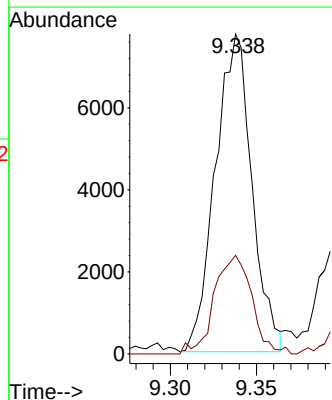
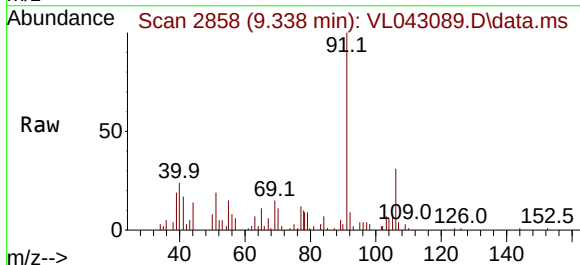
Instrument :
MSVOA_1
ClientSampleId :
SV1

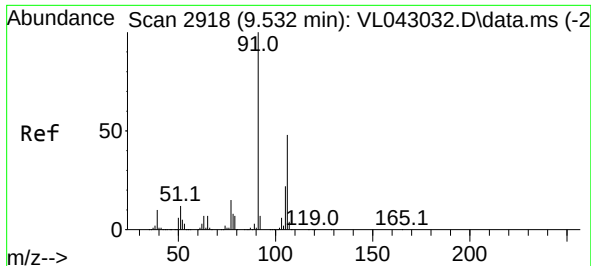
Tgt Ion:112 Resp: 2478
Ion Ratio Lower Upper
112 100
77 60.9 53.2 79.8
114 0.0 28.6 35.0#



#58
Ethyl Benzene
Concen: 0.138 ppbv
RT: 9.338 min Scan# 2858
Delta R.T. -0.000 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

Tgt Ion: 91 Resp: 11436
Ion Ratio Lower Upper
91 100
106 31.0 24.1 36.1





#59

m/p-Xylene

Concen: 0.368 ppbv

RT: 9.513 min Scan# 2918

Delta R.T. -0.019 min

Lab File: VL043089.D

Acq: 09 Oct 2025 15:31

Instrument :

MSVOA_L

ClientSampleId :

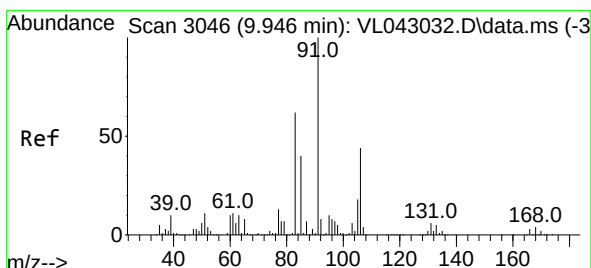
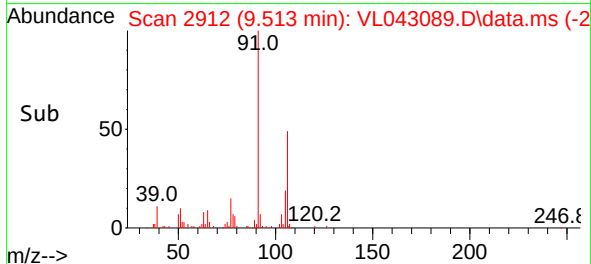
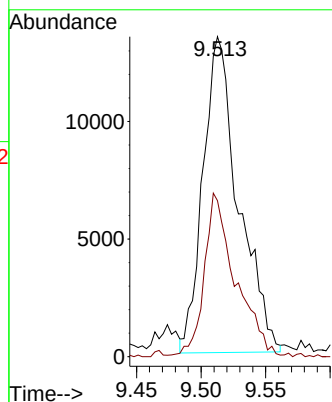
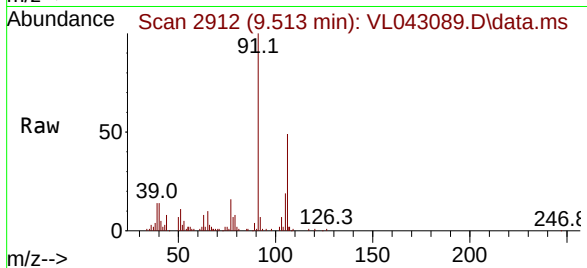
SV1

Tgt Ion: 91 Resp: 25768

Ion Ratio Lower Upper

91 100

106 46.4 37.5 56.3



#60

o-Xylene

Concen: 0.246 ppbv

RT: 9.943 min Scan# 3045

Delta R.T. -0.003 min

Lab File: VL043089.D

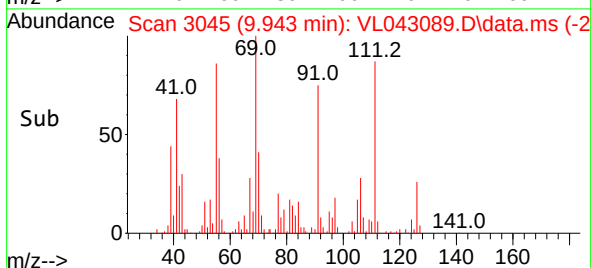
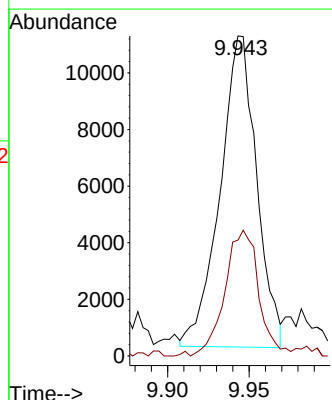
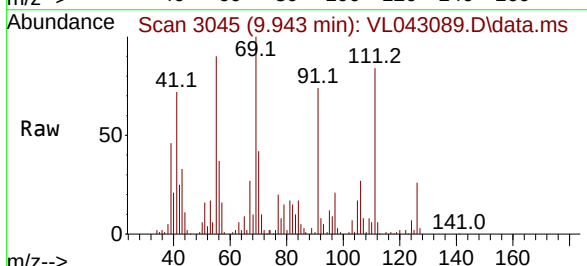
Acq: 09 Oct 2025 15:31

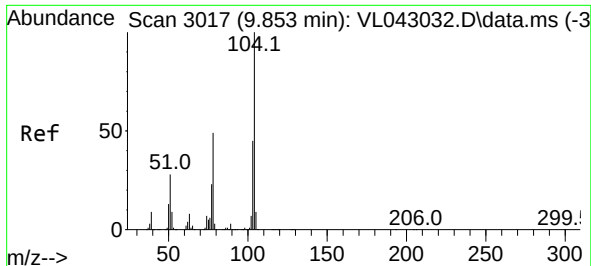
Tgt Ion: 91 Resp: 17164

Ion Ratio Lower Upper

91 100

106 39.0 21.9 65.5

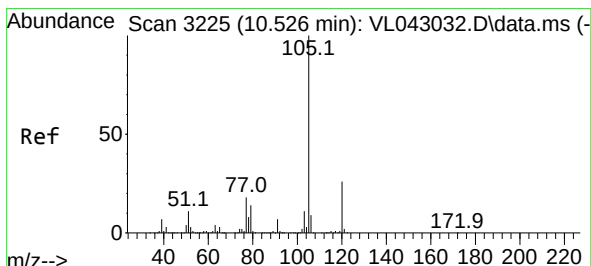
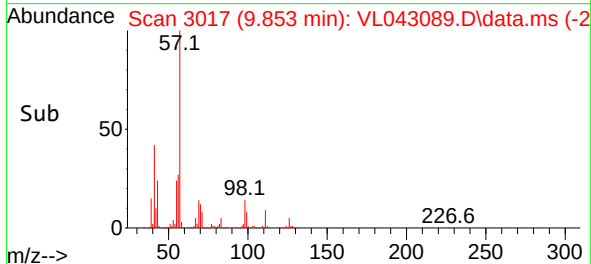
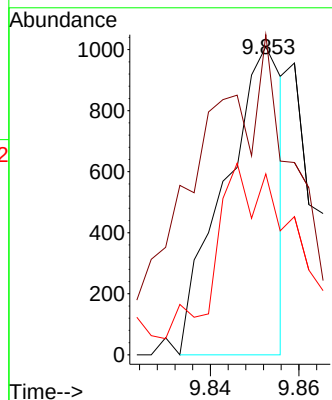
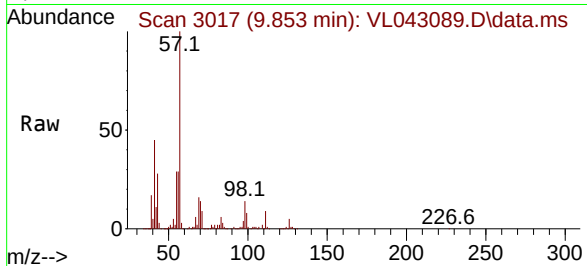




#61
Styrene
Concen: 0.031 ppbv
RT: 9.853 min Scan# 3017
Delta R.T. -0.000 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

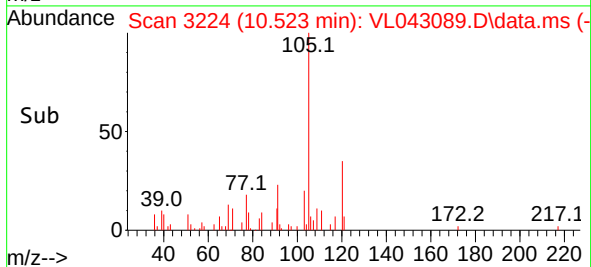
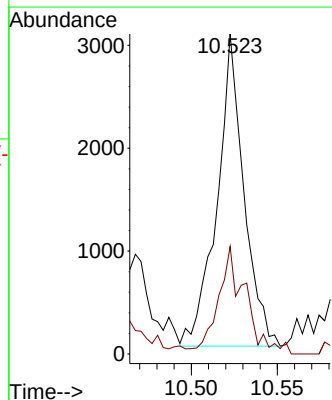
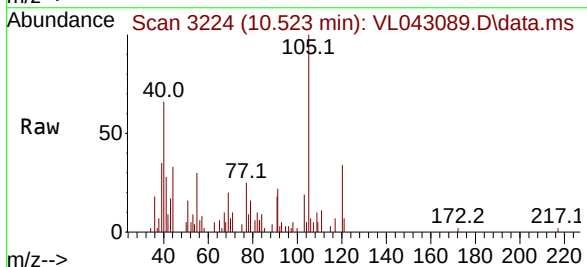
Instrument :
MSVOA_L
ClientSampleId :
SV1

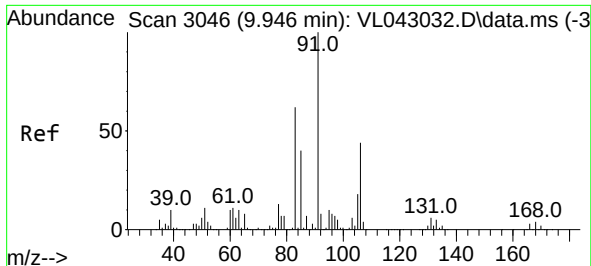
Tgt Ion:104 Resp: 919
Ion Ratio Lower Upper
104 100
78 224.3 39.7 59.5#
103 110.8 37.6 56.4#



#62
Isopropylbenzene
Concen: 0.031 ppbv
RT: 10.523 min Scan# 3224
Delta R.T. -0.003 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

Tgt Ion:105 Resp: 3308
Ion Ratio Lower Upper
105 100
120 36.7 20.6 31.0#





#63

1,1,2-Tetrachloroethane

Concen: 0.135 ppbv

RT: 9.927 min Scan# 3040

Delta R.T. -0.019 min

Lab File: VL043089.D

Acq: 09 Oct 2025 15:31

Instrument :

MSVOA_L

ClientSampleId :

SV1

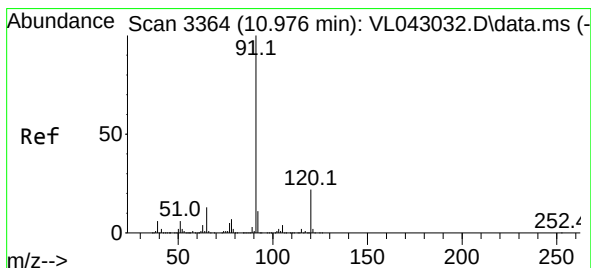
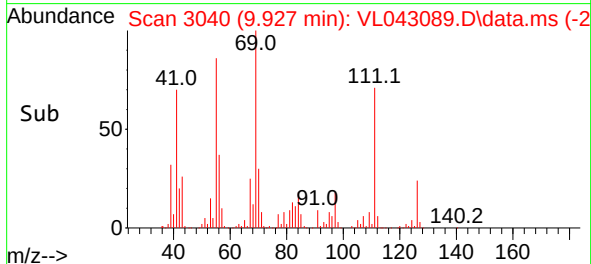
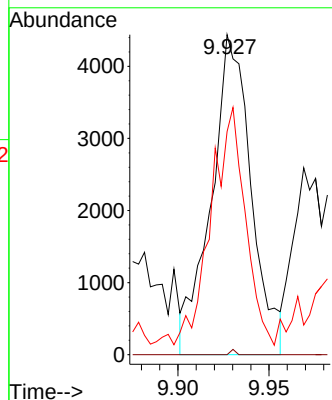
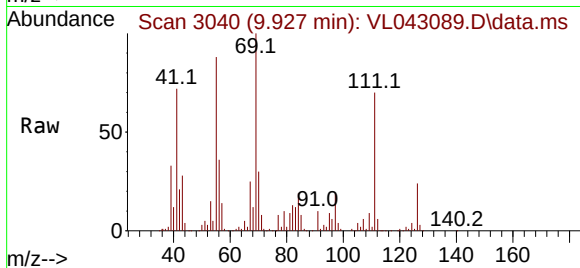
Tgt Ion: 83 Resp: 6771

Ion Ratio Lower Upper

83 100

131 0.0 4.7 14.1#

85 64.5 32.0 96.2



#64

n-propylbenzene

Concen: 0.046 ppbv

RT: 10.969 min Scan# 3362

Delta R.T. -0.007 min

Lab File: VL043089.D

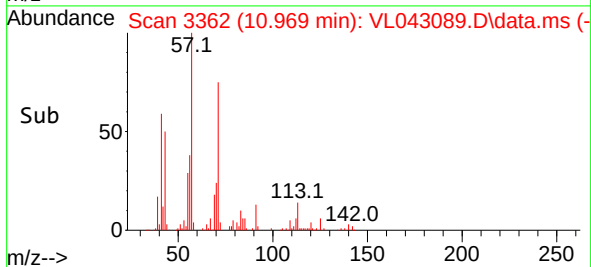
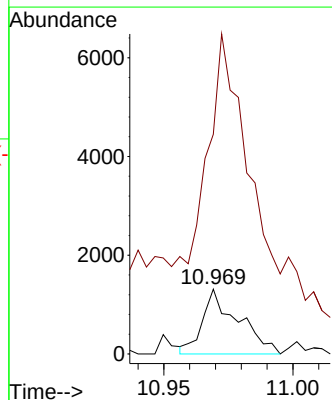
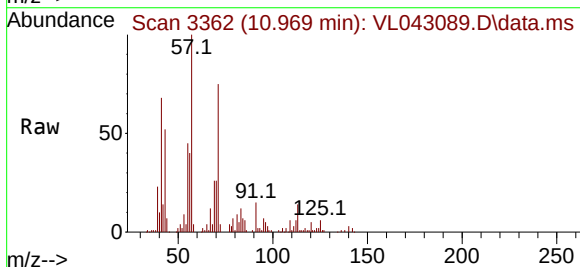
Acq: 09 Oct 2025 15:31

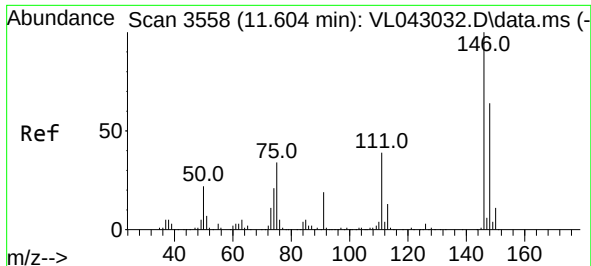
Tgt Ion: 120 Resp: 1259

Ion Ratio Lower Upper

120 100

91 860.6 367.0 550.4#

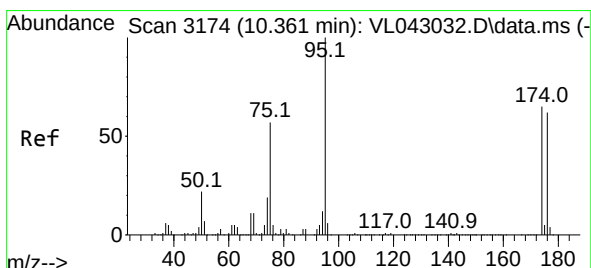
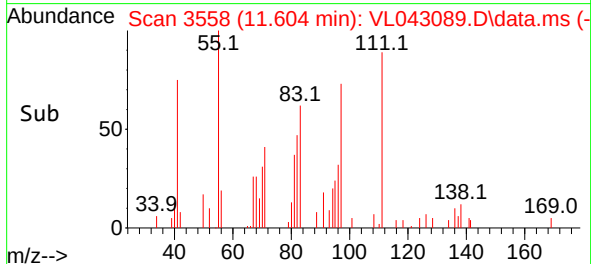
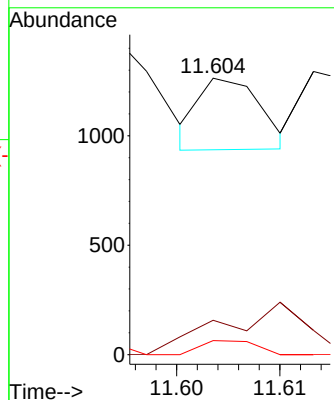
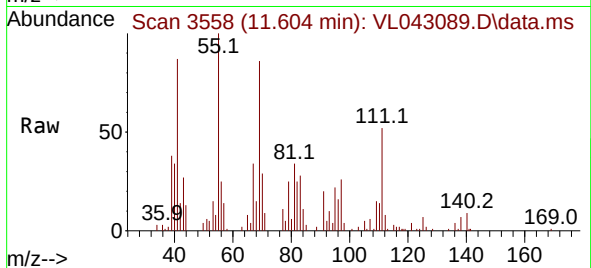




#66
Benzyl Chloride
Concen: 0.037 ppbv
RT: 11.604 min Scan# 3173
Delta R.T. -0.000 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

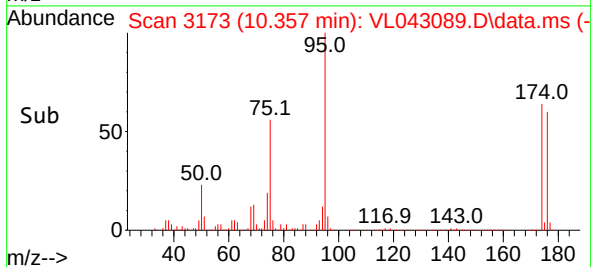
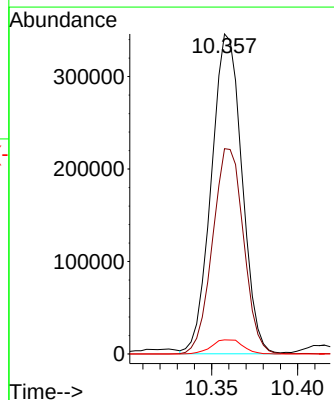
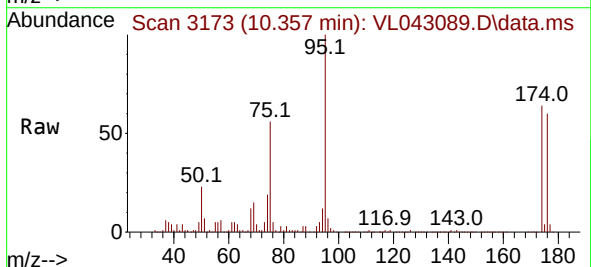
Instrument :
MSVOA_L
ClientSampleId :
SV1

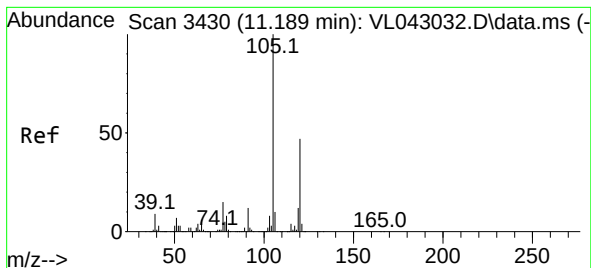
Tgt Ion: 91 Resp: 134
Ion Ratio Lower Upper
91 100
126 0.0 14.2 21.4#
128 0.0 4.8 7.2#



#68
1-Bromo-4-Fluorobenzene
Concen: 11.101 ppbv
RT: 10.357 min Scan# 3173
Delta R.T. -0.003 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

Tgt Ion: 95 Resp: 428380
Ion Ratio Lower Upper
95 100
174 65.1 52.3 78.5
175 4.6 3.8 5.8





#73

1,3,5-Trimethylbenzene

Concen: 0.056 ppbv

RT: 11.186 min Scan# 3430

Delta R.T. -0.003 min

Lab File: VL043089.D

Acq: 09 Oct 2025 15:31

Instrument :

MSVOA_L

ClientSampleId :

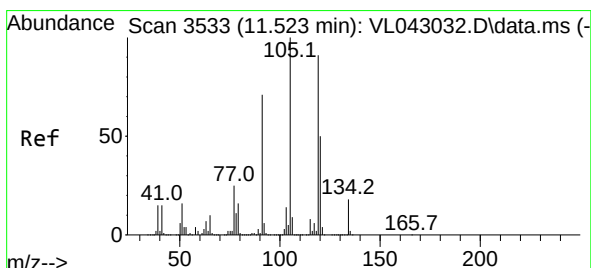
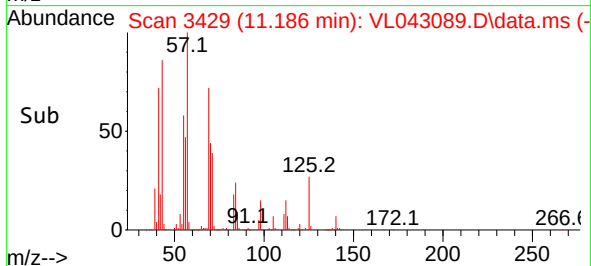
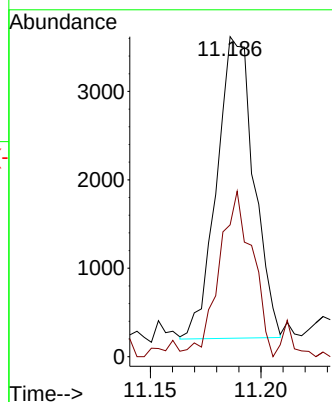
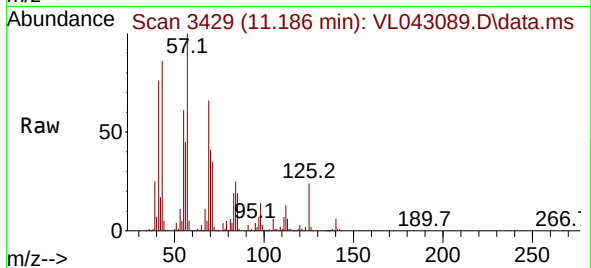
SV1

Tgt Ion:105 Resp: 3987

Ion Ratio Lower Upper

105 100

120 42.1 37.5 56.3



#74

1,2,4-Trimethylbenzene

Concen: 0.074 ppbv

RT: 11.523 min Scan# 3533

Delta R.T. -0.000 min

Lab File: VL043089.D

Acq: 09 Oct 2025 15:31

Tgt Ion:105 Resp: 5996

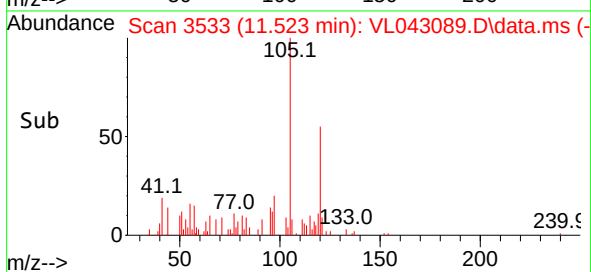
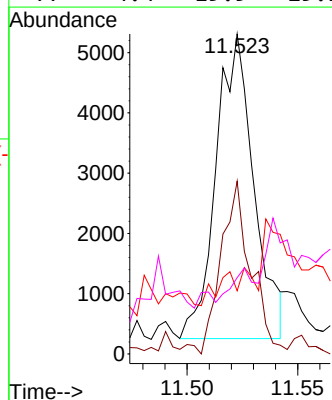
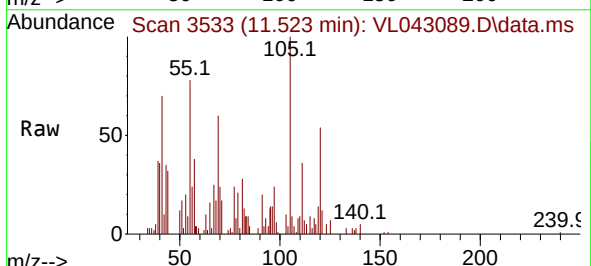
Ion Ratio Lower Upper

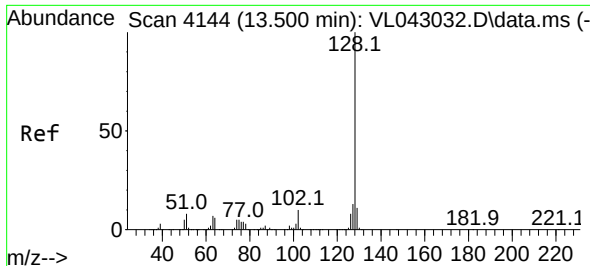
105 100

120 53.8 39.7 59.5

91 0.7 56.5 84.7#

77 4.4 19.9 29.9#

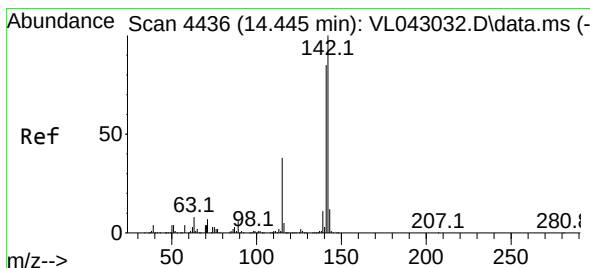
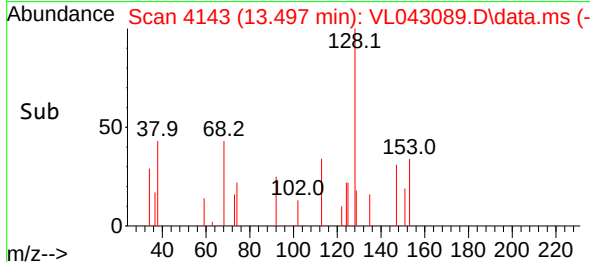
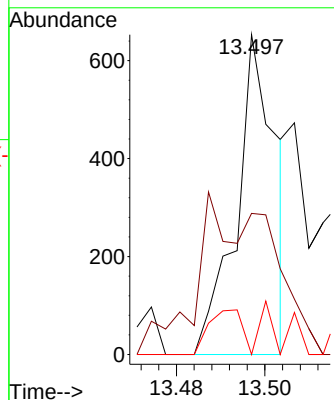
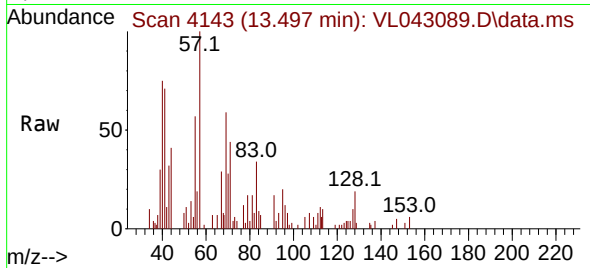




#79
Naphthalene
Concen: 0.240 ppbv
RT: 13.497 min Scan# 4143
Delta R.T. -0.003 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

Instrument :
MSVOA_1
ClientSampleId :
SV1

Tgt Ion:128 Resp: 401
Ion Ratio Lower Upper
128 100
127 30.8 10.6 16.0#
129 0.0 8.8 13.2#



#80
Naphthalene,2-methyl-
Concen: 0.677 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. 0.010 min
Lab File: VL043089.D
Acq: 09 Oct 2025 15:31

Tgt Ion:142 Resp: 502
Ion Ratio Lower Upper
142 100
141 94.2 66.6 100.0
115 64.1 30.1 45.1#

