

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012025\
 Data File : VL041935.D
 Acq On : 21 Jan 2025 00:01
 Operator : SY/MD
 Sample : MDL 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jan 21 05:09:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jan 14 23:15:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.777	49	132631	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	3.942	114	362883	10.000	ppbv	-0.03
55) Chlorobenzene-d5	8.868	117	312601	10.000	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.364	95	247307	10.044	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.400%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.492	85	1861	0.103	ppbv	100
3) Chlorodifluoromethane	1.470	51	2317	0.122	ppbv	94
4) Chloromethane	1.528	50	1003	0.148	ppbv #	61
5) Vinyl Chloride	1.573	62	651	0.095	ppbv #	85
6) Bromomethane	1.664	94	515	0.157	ppbv #	55
7) Chloroethane	1.699	64	317	0.118	ppbv #	88
8) Dichlorotetrafluoroethane	1.550	85	1691	0.107	ppbv #	82
9) Propene	1.479	41	1218	0.156	ppbv	99
11) Trichlorofluoromethane	1.871	101	2055	0.109	ppbv #	82
12) 1,1,2-Trichlorotrifluo...	2.130	101	1888	0.128	ppbv	86
13) Ethanol	1.715	45	193	0.338	ppbv #	31
14) Bromoethene	1.777	108	526	0.098	ppbv #	53
15) Acetone	1.832	43	2865	0.180	ppbv	98
16) 1,3-Butadiene	1.602	39	1026	0.143	ppbv #	75
17) tert-Butyl alcohol	2.036	59	1953	0.100	ppbv #	69
18) 1,1-Dichloroethene	2.029	96	870	0.131	ppbv	93
20) Methylene Chloride	2.052	84	1379	0.219	ppbv #	69
21) Allyl Chloride	2.088	41	1209	0.110	ppbv #	57
22) trans-1,2-Dichloroethene	2.029	96	870	0.116	ppbv	85
23) Vinyl Acetate	2.453	43	1256	0.159	ppbv #	40
24) 1,1-Dichloroethane	2.398	63	1731	0.119	ppbv #	87
26) Hexane	2.816	57	1475	0.087	ppbv #	83
27) Carbon Disulfide	2.146	76	1704	0.101	ppbv #	1
28) Methyl tert-Butyl Ether	2.434	73	1133	0.087	ppbv #	85
29) Chloroform	2.835	83	2349	0.087	ppbv #	83
31) cis-1,2-Dichloroethene	2.716	61	1648	0.092	ppbv #	84
32) 1,1,1-Trichloroethane	3.356	97	2489	0.097	ppbv #	88
34) 2-Butanone	2.557	43	2764	0.120	ppbv	99
35) Carbon Tetrachloride	3.748	117	2051	0.090	ppbv #	69
36) Benzene	3.645	78	2832	0.085	ppbv #	96
37) 1,2-Dichloroethane	3.208	62	2469	0.132	ppbv	99
38) Trichloroethene	4.528	130	1398	0.106	ppbv #	81
39) 1,2-Dichloropropane	3.946	63	90652	7.765	ppbv #	22
40) 1,4-Dioxane	4.596	88	323	0.055	ppbv #	11
42) Bromodichloromethane	4.476	83	1641	0.065	ppbv #	62
43) Methyl Methacrylate	4.865	69	875	0.071	ppbv #	72
44) 2,2,4-Trimethylpentane	4.616	57	2800	0.052	ppbv #	32
46) cis-1,3-Dichloropropene	5.570	75	593	0.039	ppbv #	42
48) Dibromochloromethane	7.367	129	1089	0.057	ppbv #	31
51) 2-Hexanone	7.438	43	858	0.035	ppbv #	27
52) Tetrachloroethene	8.208	164	1290	0.112	ppbv #	69
54) 1,2-Dibromoethane	7.639	107	1456	0.086	ppbv #	78
56) 1,1,1,2-Tetrachloroethane	8.914	131	878	0.056	ppbv #	14

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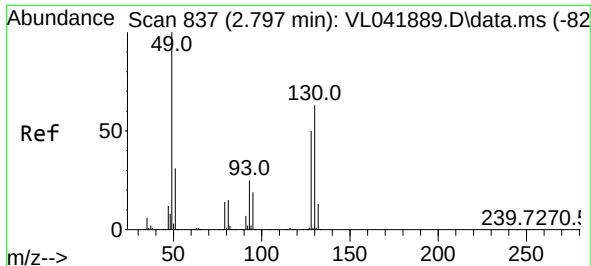
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
57) Chlorobenzene	8.904	112	3636	0.126	ppbv	#	76
58) Ethyl Benzene	9.338	91	2031	0.042	ppbv	#	75
59) m/p-Xylene	9.538	91	1840	0.047	ppbv	#	31
60) o-Xylene	9.953	91	1311	0.034	ppbv	#	41
61) Styrene	9.852	104	1081	0.062	ppbv		94
62) Isopropylbenzene	10.529	105	4756	0.079	ppbv		97
63) 1,1,2,2-Tetrachloroethane	9.946	83	1514	0.061	ppbv	#	26
64) n-propylbenzene	10.982	120	833	0.055	ppbv		71
65) tert-Butylbenzene	11.523	119	3024	0.055	ppbv	#	85
67) sec-Butylbenzene	11.759	105	4617	0.061	ppbv		97
69) p-Isopropyltoluene	11.917	119	3650	0.059	ppbv		92
70) n-Butylbenzene	12.277	91	3648	0.059	ppbv	#	89
71) 2-Chlorotoluene	10.888	91	3404	0.077	ppbv		99
72) 4-Ethyltoluene	11.111	105	3001	0.065	ppbv		96
73) 1,3,5-Trimethylbenzene	11.192	105	2621	0.064	ppbv	#	80
74) 1,2,4-Trimethylbenzene	11.523	105	2460	0.055	ppbv	#	80
75) 1,3-Dichlorobenzene	11.597	146	2186	0.083	ppbv		87
76) 1,4-Dichlorobenzene	11.665	146	2280	0.088	ppbv		99
77) 1,2-Dichlorobenzene	11.937	146	2517	0.096	ppbv		95
78) Hexachloro-1,3-Butadiene	13.879	225	2388	0.111	ppbv		91
79) Naphthalene	13.507	128	2462	0.055	ppbv	#	88
81) 1,2,4-Trichlorobenzene	13.432	180	1482	0.068	ppbv		90

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

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MSVOA_L
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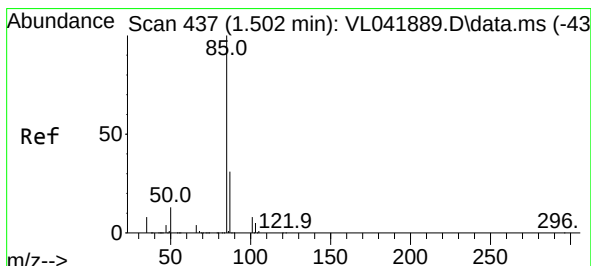
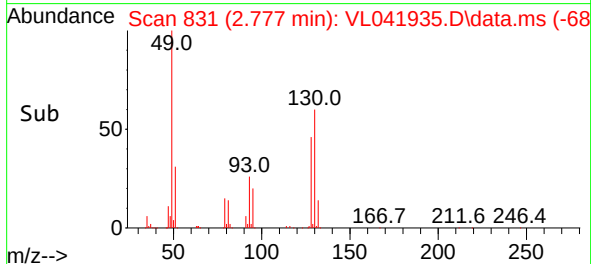
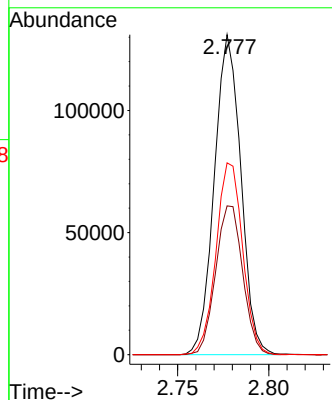
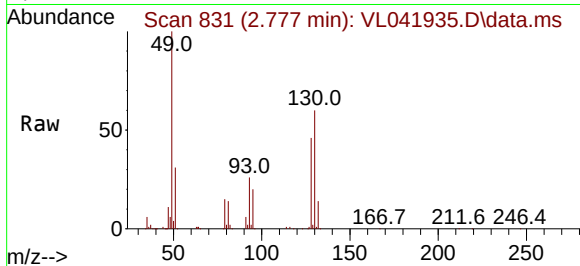




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.777 min Scan# 81
 Delta R.T. -0.020 min
 Lab File: VL041935.D
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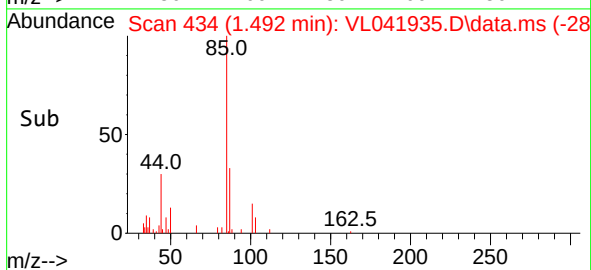
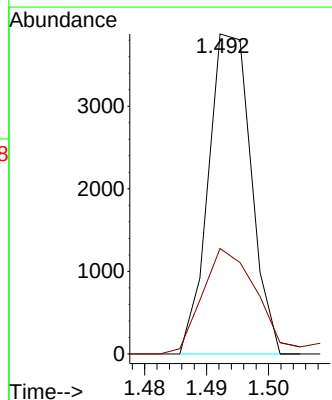
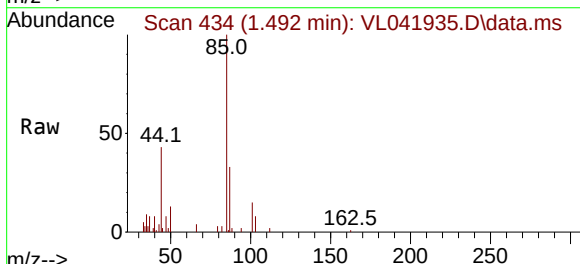
Instrument :
 MSVOA_L
 ClientSampleId :

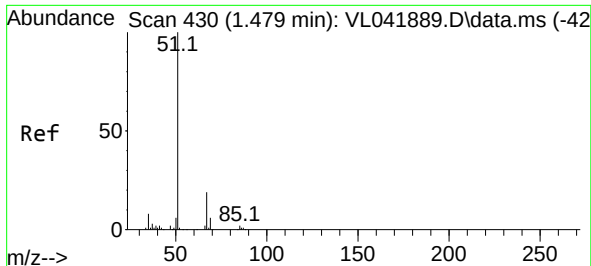
Tgt Ion: 49 Resp: 132631
 Ion Ratio Lower Upper
 49 100
 128 47.6 24.3 73.0
 130 60.3 31.1 93.2



#2
 Dichlorodifluoromethane
 Concen: 0.103 ppbv
 RT: 1.492 min Scan# 434
 Delta R.T. -0.010 min
 Lab File: VL041935.D
 Acq: 21 Jan 2025 00:01

Tgt Ion: 85 Resp: 1861
 Ion Ratio Lower Upper
 85 100
 87 31.3 24.9 37.3

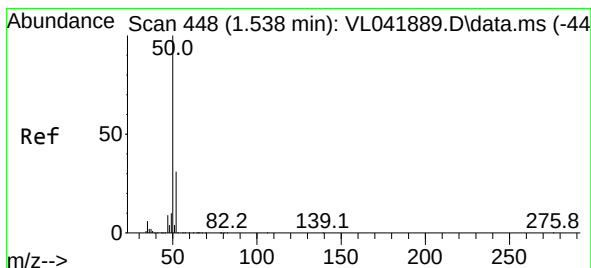
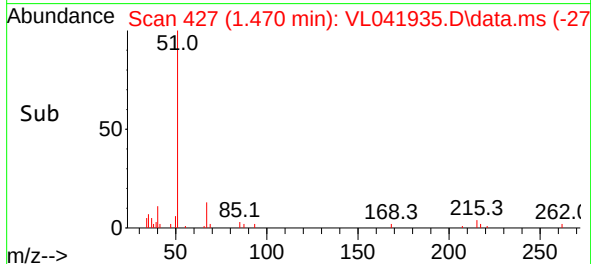
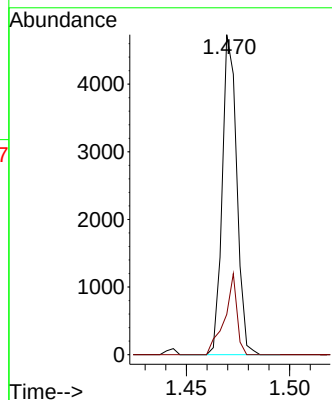
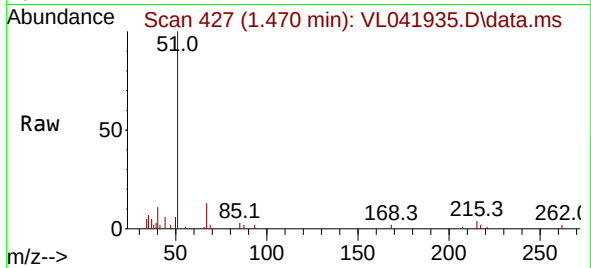




#3
Chlorodifluoromethane
Concen: 0.122 ppbv
RT: 1.470 min Scan# 430
Delta R.T. -0.010 min
Lab File: VL041935.D
Acq: 21 Jan 2025 00:01

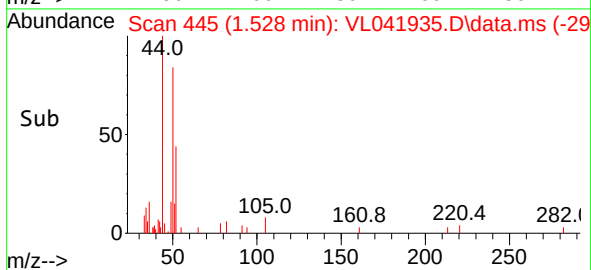
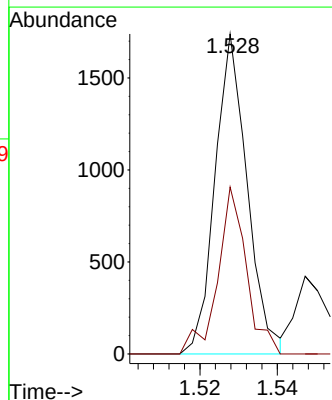
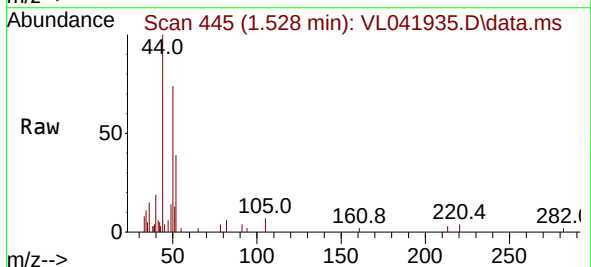
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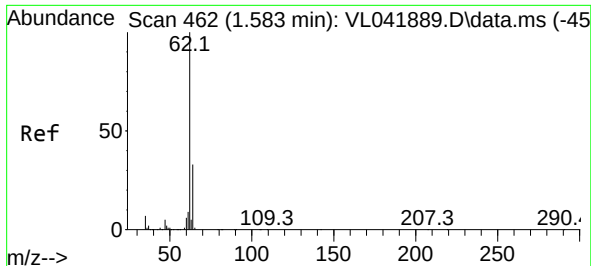
Tgt Ion: 51 Resp: 2317
Ion Ratio Lower Upper
51 100
67 21.5 15.0 22.4



#4
Chloromethane
Concen: 0.148 ppbv
RT: 1.528 min Scan# 445
Delta R.T. -0.010 min
Lab File: VL041935.D
Acq: 21 Jan 2025 00:01

Tgt Ion: 50 Resp: 1003
Ion Ratio Lower Upper
50 100
52 52.2 24.6 36.8#

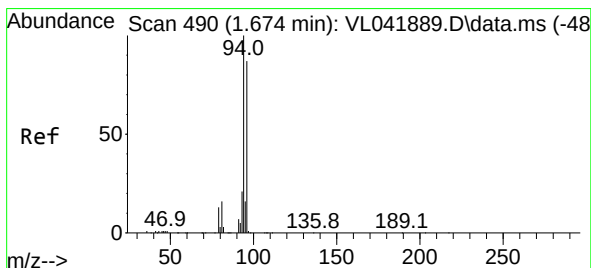
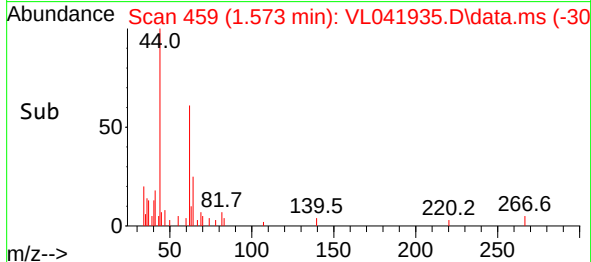
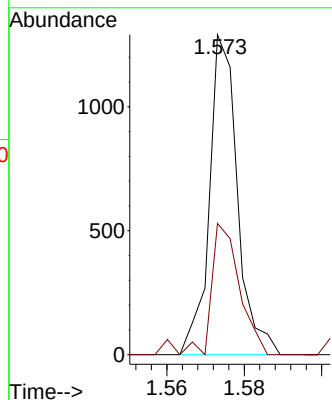
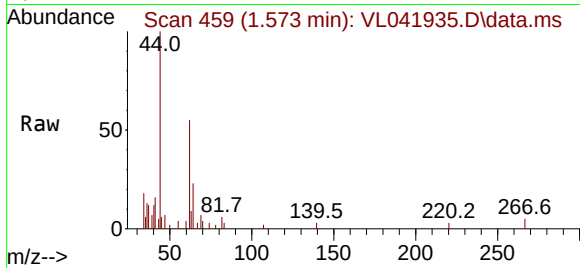




#5
 Vinyl Chloride
 Concen: 0.095 ppbv
 RT: 1.573 min Scan# 41
 Delta R.T. -0.010 min
 Lab File: VL041935.D
 Acq: 21 Jan 2025 00:01

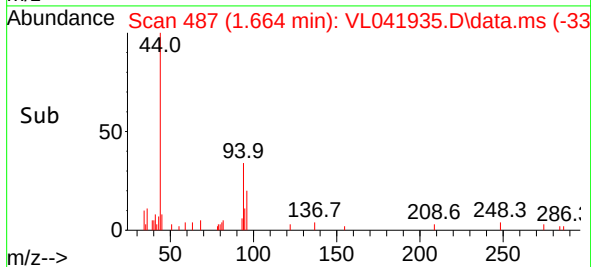
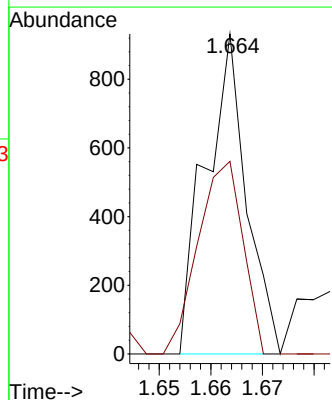
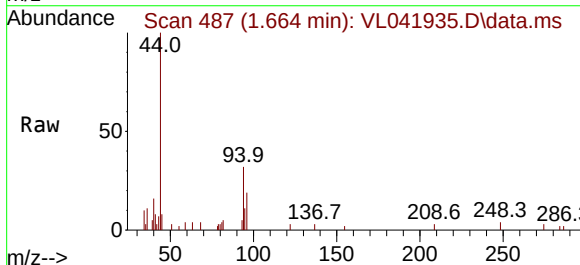
Instrument :
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 ClientSampleId :

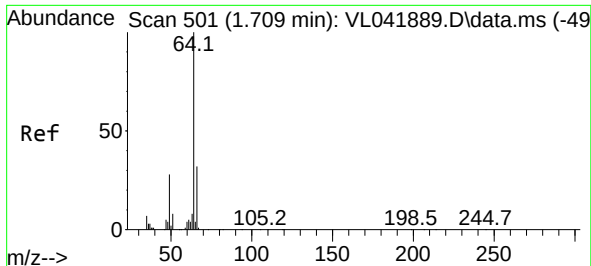
Tgt Ion: 62 Resp: 651
 Ion Ratio Lower Upper
 62 100
 64 41.0 26.1 39.1#



#6
 Bromomethane
 Concen: 0.157 ppbv
 RT: 1.664 min Scan# 487
 Delta R.T. -0.010 min
 Lab File: VL041935.D
 Acq: 21 Jan 2025 00:01

Tgt Ion: 94 Resp: 515
 Ion Ratio Lower Upper
 94 100
 96 45.1 69.5 104.3#

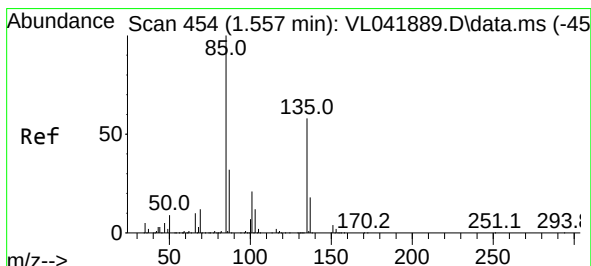
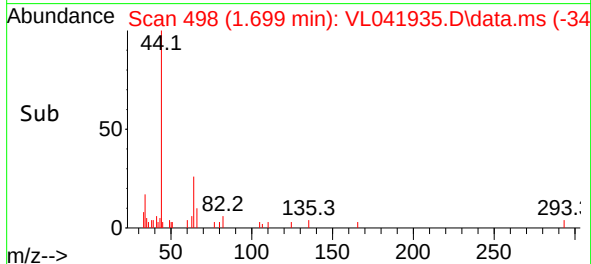
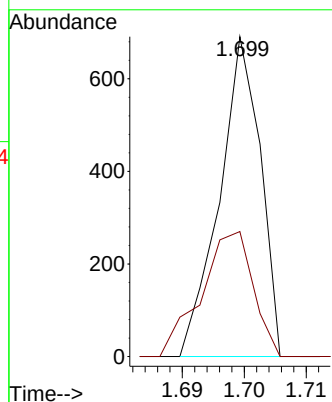
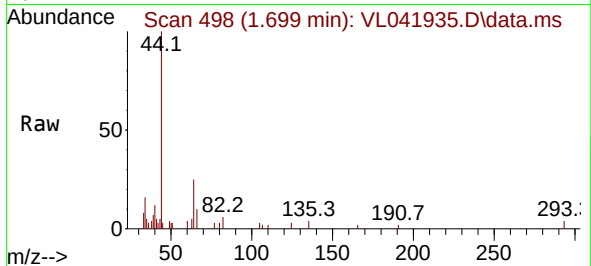




#7
Chloroethane
Concen: 0.118 ppbv
RT: 1.699 min Scan# 498
Delta R.T. -0.010 min
Lab File: VL041935.D
Acq: 21 Jan 2025 00:01

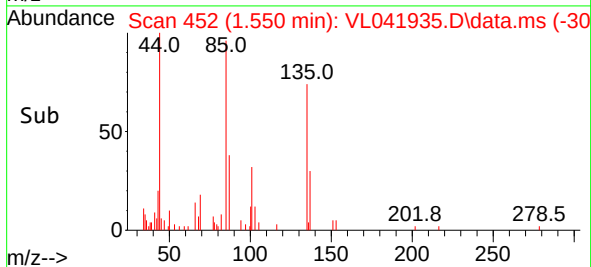
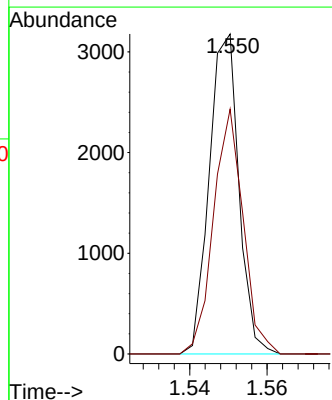
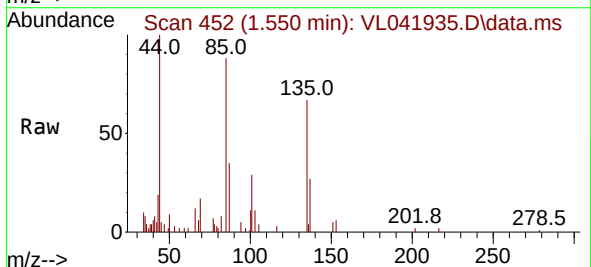
Instrument :
MSVOA_L
ClientSampleId :

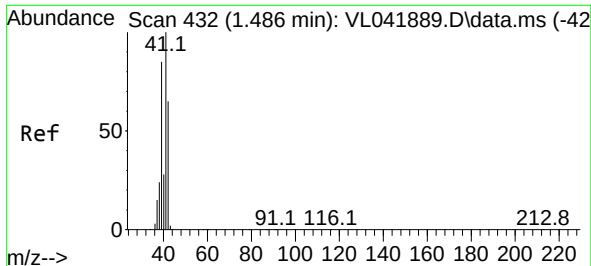
Tgt Ion: 64 Resp: 317
Ion Ratio Lower Upper
64 100
66 39.1 25.7 38.5#



#8
Dichlorotetrafluoroethane
Concen: 0.107 ppbv
RT: 1.550 min Scan# 452
Delta R.T. -0.007 min
Lab File: VL041935.D
Acq: 21 Jan 2025 00:01

Tgt Ion: 85 Resp: 1691
Ion Ratio Lower Upper
85 100
135 76.5 50.0 75.0#





#9

Propene

Concen: 0.156 ppbv

RT: 1.479 min Scan# 41

Delta R.T. -0.007 min

Lab File: VL041935.D

Acq: 21 Jan 2025 00:01

Instrument :

MSVOA_L

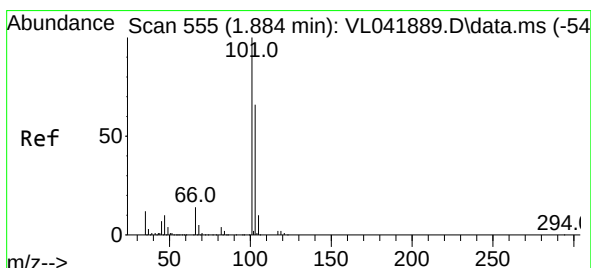
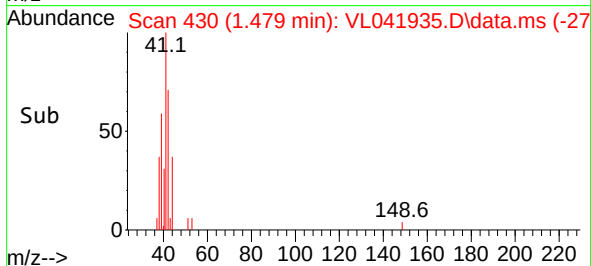
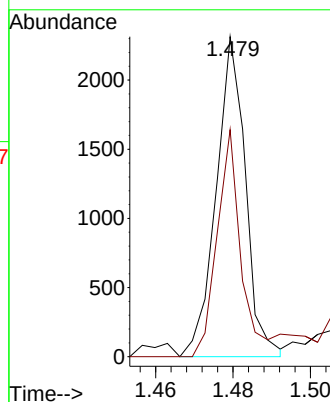
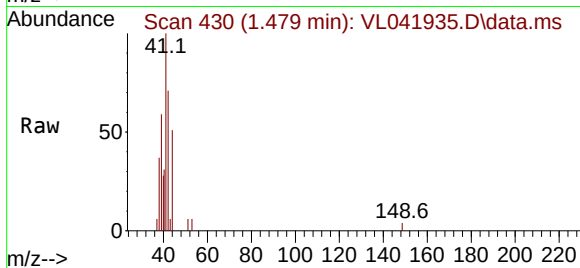
ClientSampleId :

Tgt Ion: 41 Resp: 1218

Ion Ratio Lower Upper

41 100

42 66.0 52.0 78.0



#11

Trichlorofluoromethane

Concen: 0.109 ppbv

RT: 1.871 min Scan# 551

Delta R.T. -0.013 min

Lab File: VL041935.D

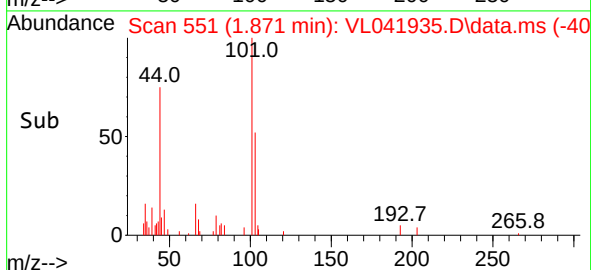
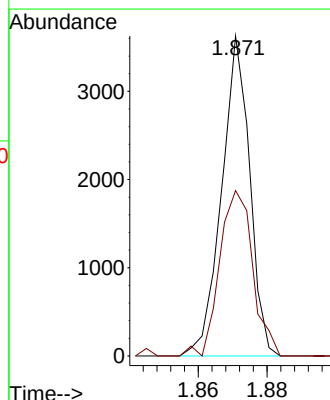
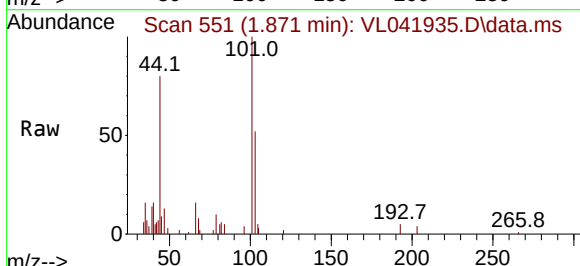
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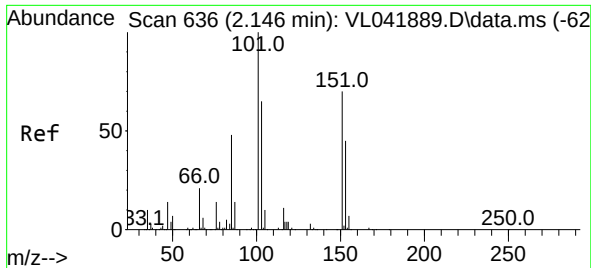
Tgt Ion:101 Resp: 2055

Ion Ratio Lower Upper

101 100

103 51.7 53.1 79.7#

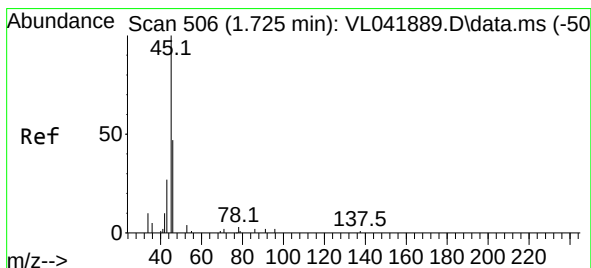
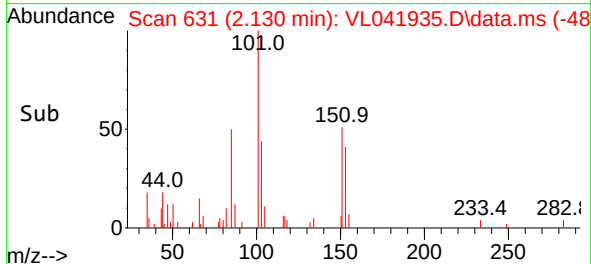
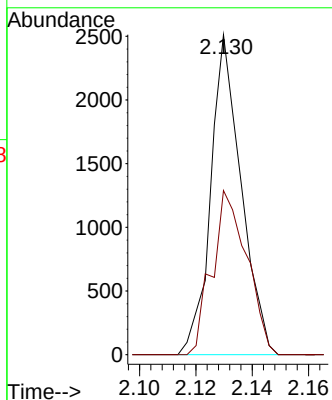
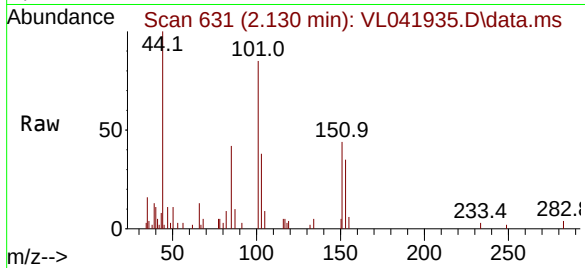




#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.128 ppbv
 RT: 2.130 min Scan# 61
 Delta R.T. -0.016 min
 Lab File: VL041935.D
 Acq: 21 Jan 2025 00:01

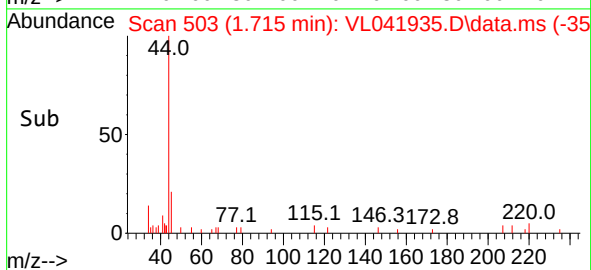
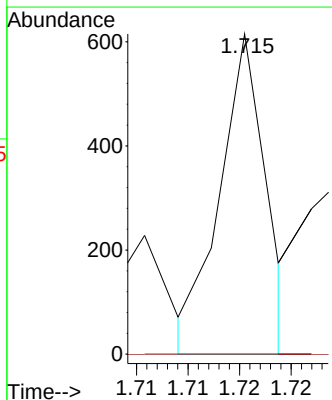
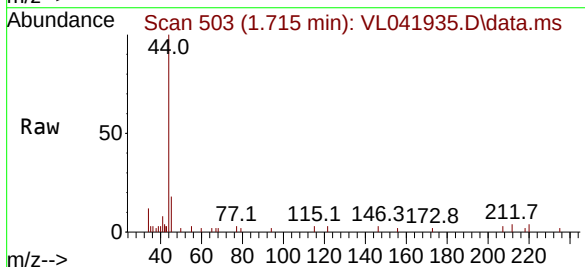
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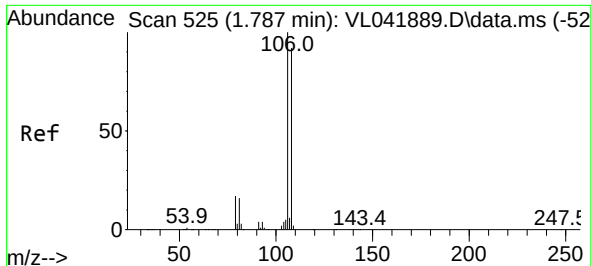
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 Ion Ratio Lower Upper
 101 100
 151 58.7 56.1 84.1



#13
 Ethanol
 Concen: 0.338 ppbv
 RT: 1.715 min Scan# 503
 Delta R.T. -0.010 min
 Lab File: VL041935.D
 Acq: 21 Jan 2025 00:01

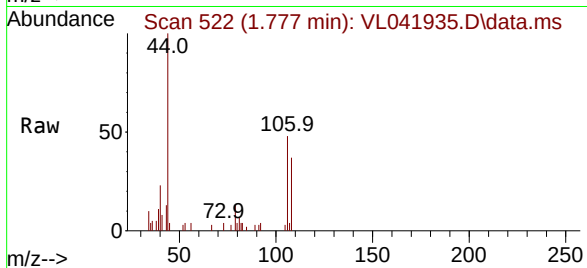
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 Ion Ratio Lower Upper
 45 100
 46 0.0 18.1 72.5#



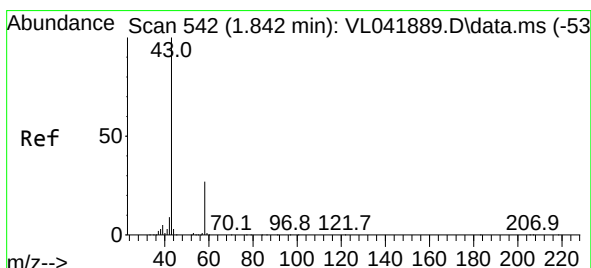
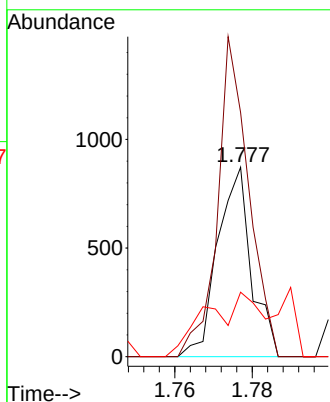
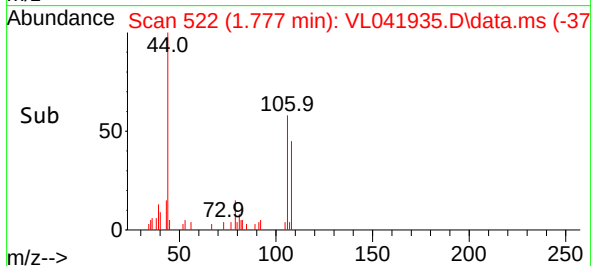


#14
Bromoethene
Concen: 0.098 ppbv
RT: 1.777 min Scan# 51
Delta R.T. -0.010 min
Lab File: VL041935.D
Acq: 21 Jan 2025 00:01

Instrument :
MSVOA_L
ClientSampleId :

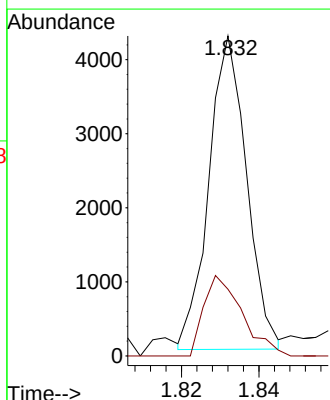
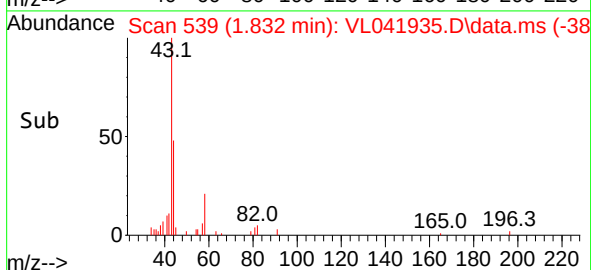
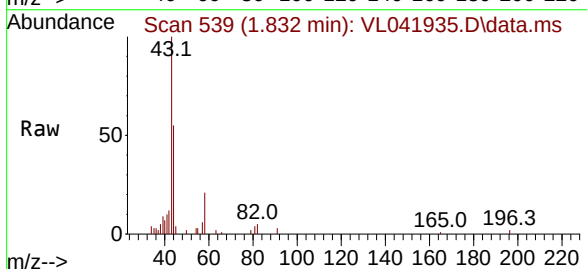


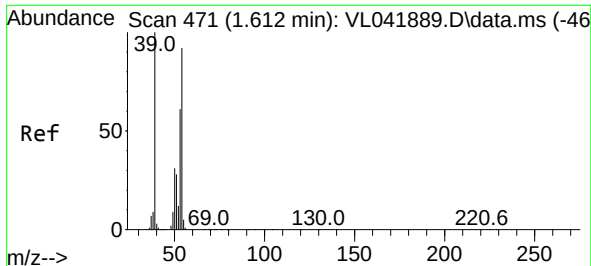
Tgt Ion:108 Resp: 526
Ion Ratio Lower Upper
108 100
106 156.1 85.5 128.3#
79 0.0 15.3 22.9#



#15
Acetone
Concen: 0.180 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.010 min
Lab File: VL041935.D
Acq: 21 Jan 2025 00:01

Tgt Ion: 43 Resp: 2865
Ion Ratio Lower Upper
43 100
58 26.1 21.9 32.9

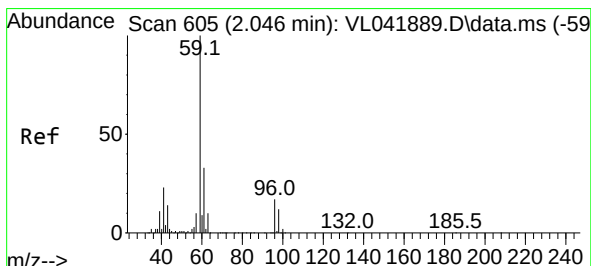
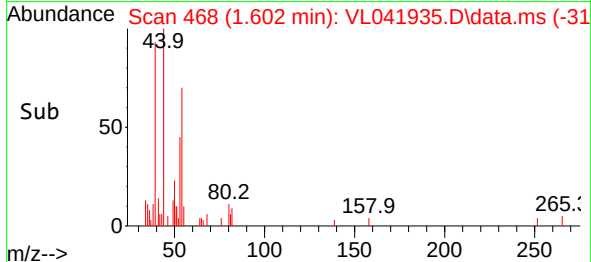
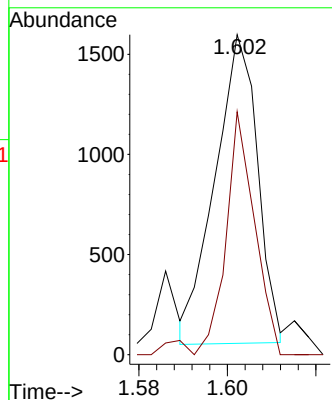
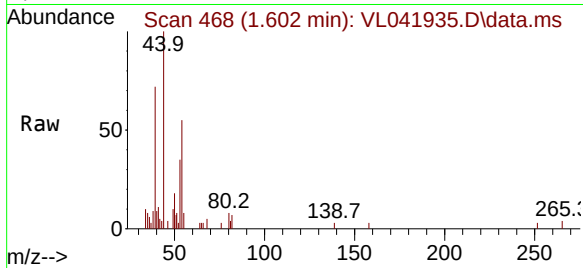




#16
1,3-Butadiene
Concen: 0.143 ppbv
RT: 1.602 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL041935.D
Acq: 21 Jan 2025 00:01

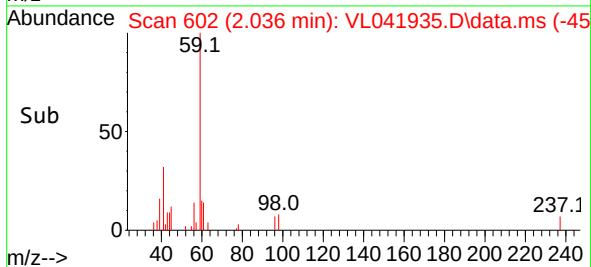
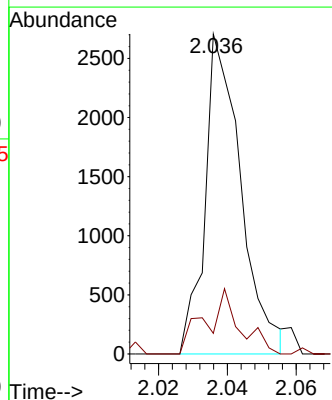
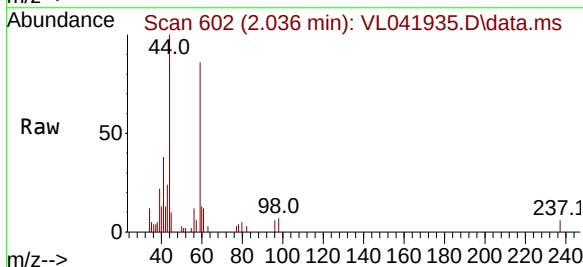
Instrument :
MSVOA_L
ClientSampleId :

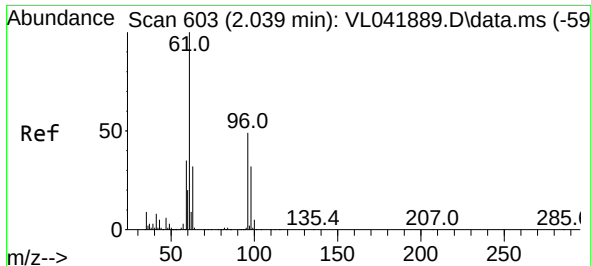
Tgt Ion: 39 Resp: 1026
Ion Ratio Lower Upper
39 100
54 55.2 61.6 92.4#



#17
tert-Butyl alcohol
Concen: 0.100 ppbv
RT: 2.036 min Scan# 602
Delta R.T. -0.010 min
Lab File: VL041935.D
Acq: 21 Jan 2025 00:01

Tgt Ion: 59 Resp: 1953
Ion Ratio Lower Upper
59 100
57 21.1 7.8 11.8#

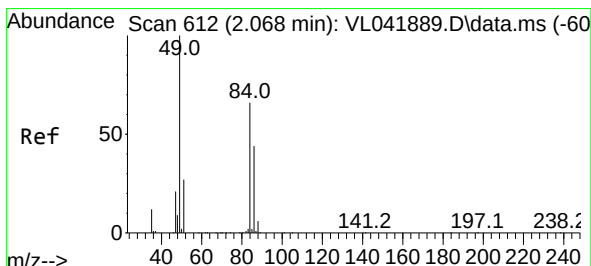
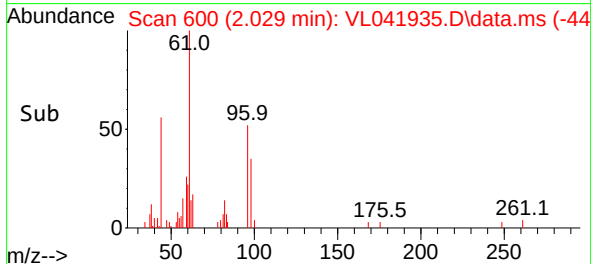
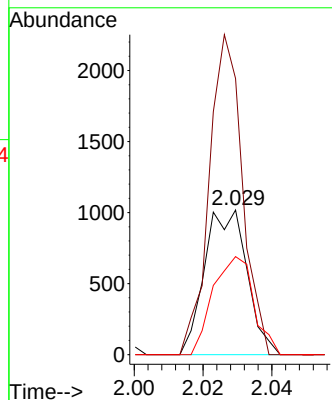
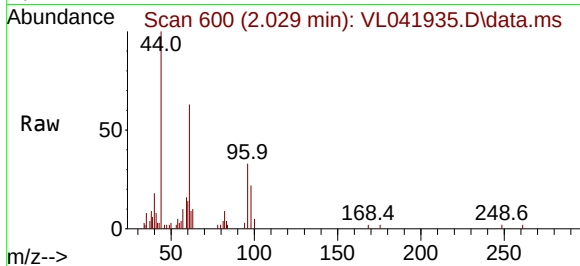




#18
1,1-Dichloroethene
Concen: 0.131 ppbv
RT: 2.029 min Scan# 603
Delta R.T. -0.010 min
Lab File: VL041935.D
Acq: 21 Jan 2025 00:01

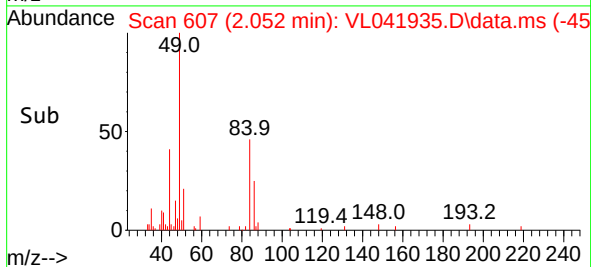
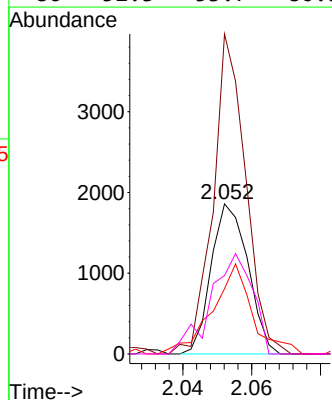
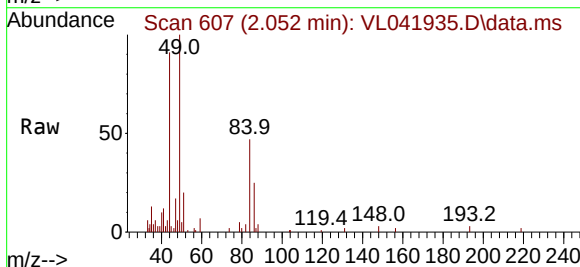
Instrument :
MSVOA_L
ClientSampleId :

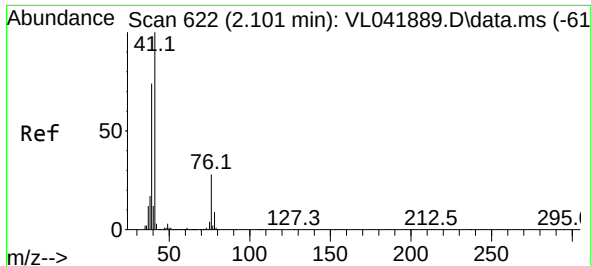
Tgt Ion: 96 Resp: 870
Ion Ratio Lower Upper
96 100
61 191.0 163.1 244.7
98 67.8 52.7 79.1



#20
Methylene Chloride
Concen: 0.219 ppbv
RT: 2.052 min Scan# 607
Delta R.T. -0.016 min
Lab File: VL041935.D
Acq: 21 Jan 2025 00:01

Tgt Ion: 84 Resp: 1379
Ion Ratio Lower Upper
84 100
49 207.9 123.1 184.7#
51 36.3 35.8 53.8
86 52.3 53.7 80.5#

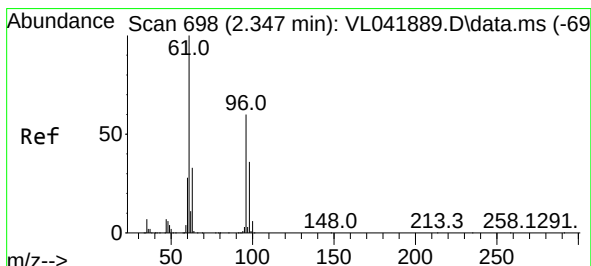
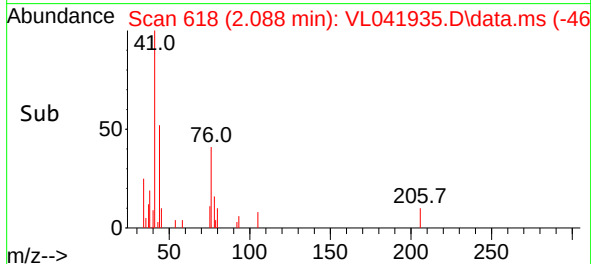
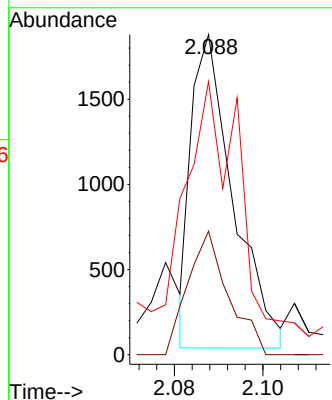
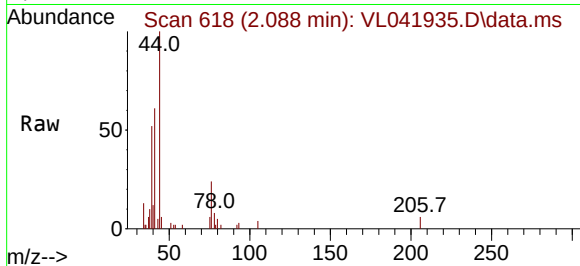




#21
 Allyl Chloride
 Concen: 0.110 ppbv
 RT: 2.088 min Scan# 61
 Delta R.T. -0.013 min
 Lab File: VL041935.D
 Acq: 21 Jan 2025 00:01

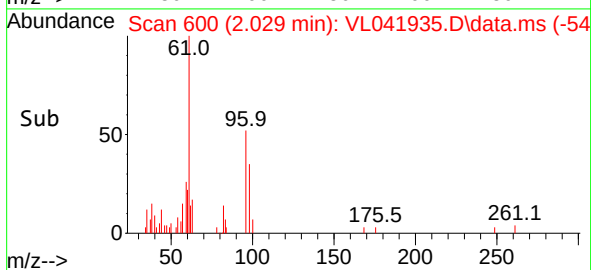
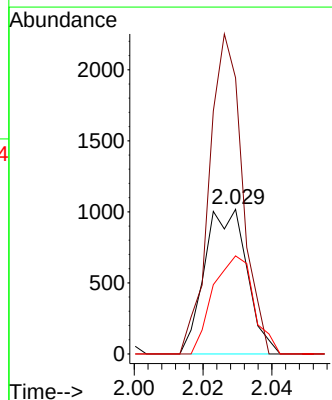
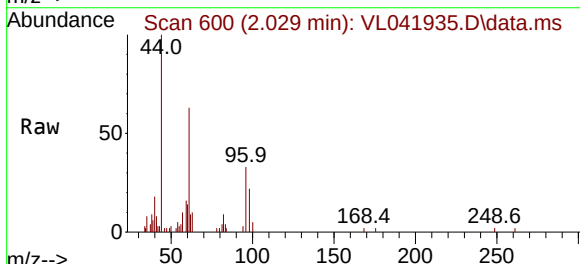
Instrument :
 MSVOA_L
 ClientSampleId :

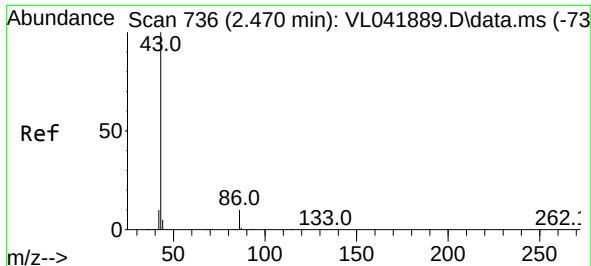
Tgt Ion: 41 Resp: 1209
 Ion Ratio Lower Upper
 41 100
 76 38.3 24.2 36.4#
 39 122.2 60.6 91.0#



#22
 trans-1,2-Dichloroethene
 Concen: 0.116 ppbv
 RT: 2.029 min Scan# 600
 Delta R.T. -0.317 min
 Lab File: VL041935.D
 Acq: 21 Jan 2025 00:01

Tgt Ion: 96 Resp: 870
 Ion Ratio Lower Upper
 96 100
 61 191.0 134.5 201.7
 98 67.8 48.9 73.3





#23

Vinyl Acetate

Concen: 0.159 ppbv

RT: 2.453 min Scan# 714

Delta R.T. -0.016 min

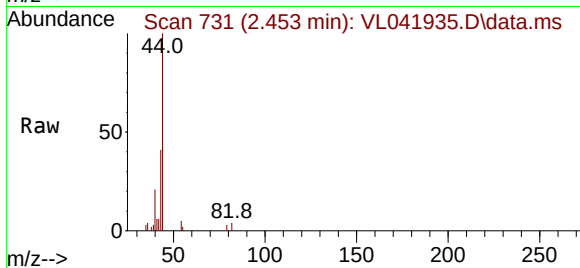
Lab File: VL041935.D

Acq: 21 Jan 2025 00:01

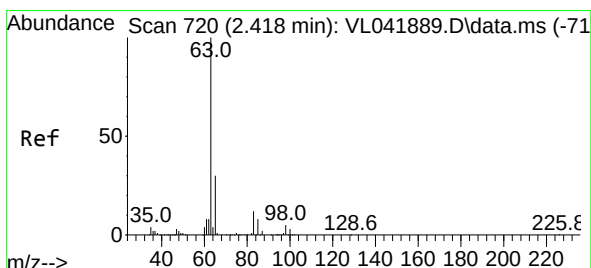
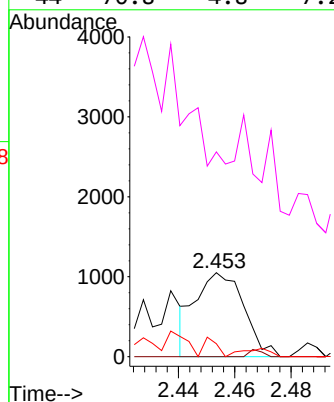
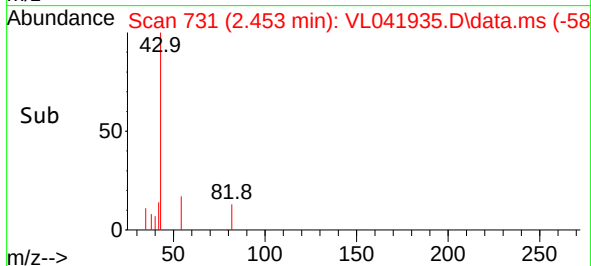
Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 43	Resp: 1256
Ion Ratio	Lower Upper
43 100	
86 0.0	6.2 9.4#
42 15.4	8.5 12.7#
44 70.8	4.8 7.2#



#24

1,1-Dichloroethane

Concen: 0.119 ppbv

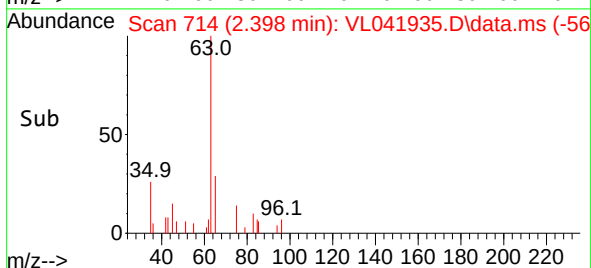
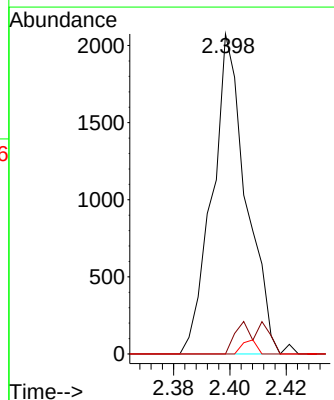
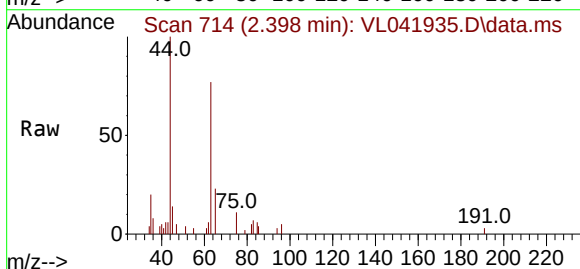
RT: 2.398 min Scan# 714

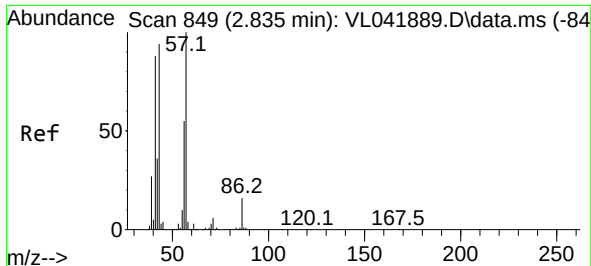
Delta R.T. -0.020 min

Lab File: VL041935.D

Acq: 21 Jan 2025 00:01

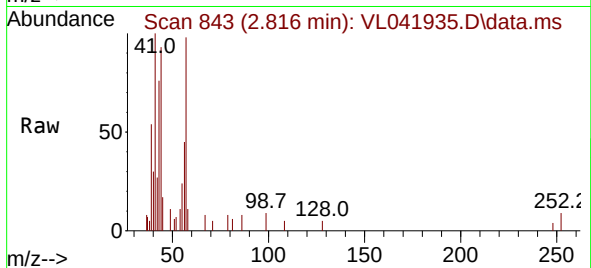
Tgt Ion: 63	Resp: 1731
Ion Ratio	Lower Upper
63 100	
98 0.0	2.6 7.8#
100 0.0	1.4 4.2#



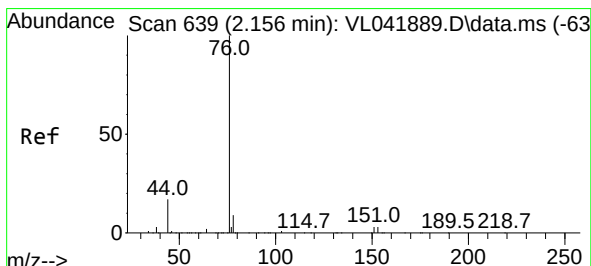
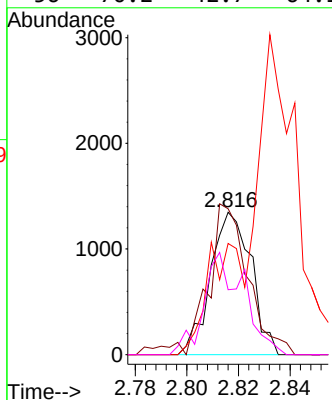
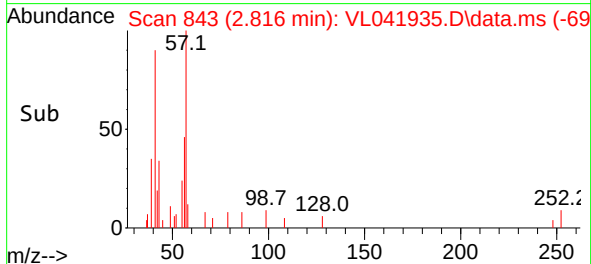


#26
Hexane
Concen: 0.087 ppbv
RT: 2.816 min Scan# 84
Delta R.T. -0.020 min
Lab File: VL041935.D
Acq: 21 Jan 2025 00:01

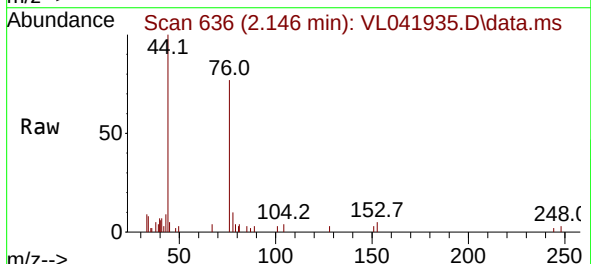
Instrument :
MSVOA_L
ClientSampleId :



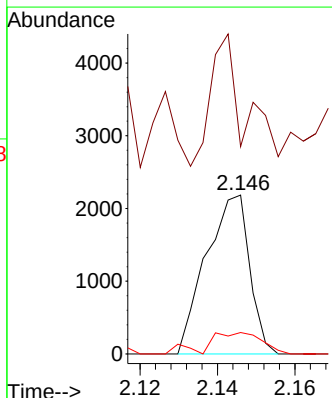
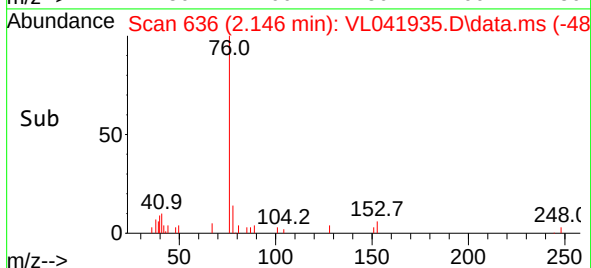
Tgt Ion: 57 Resp: 1475
Ion Ratio Lower Upper
57 100
41 104.5 73.8 110.8
43 277.3 197.3 295.9
56 70.2 42.7 64.1#

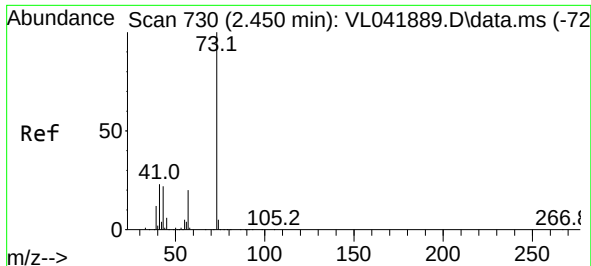


#27
Carbon Disulfide
Concen: 0.101 ppbv
RT: 2.146 min Scan# 636
Delta R.T. -0.010 min
Lab File: VL041935.D
Acq: 21 Jan 2025 00:01



Tgt Ion: 76 Resp: 1704
Ion Ratio Lower Upper
76 100
44 314.0 15.4 23.0#
78 17.3 9.3 13.9#

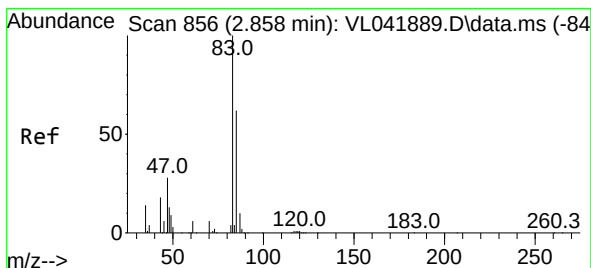
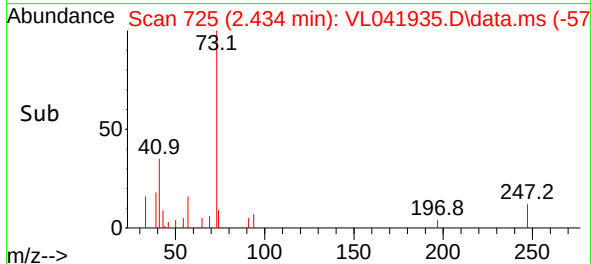
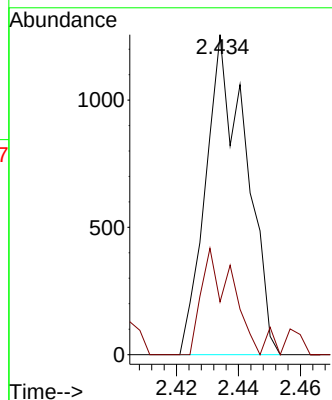
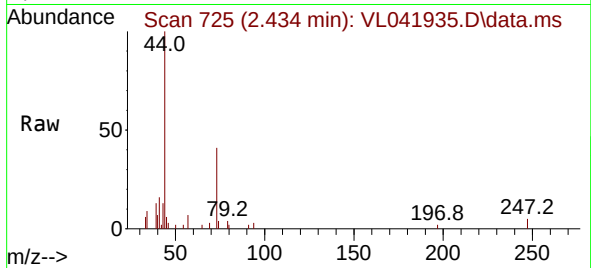




#28
Methyl tert-Butyl Ether
Concen: 0.087 ppbv
RT: 2.434 min Scan# 71
Delta R.T. -0.016 min
Lab File: VL041935.D
Acq: 21 Jan 2025 00:01

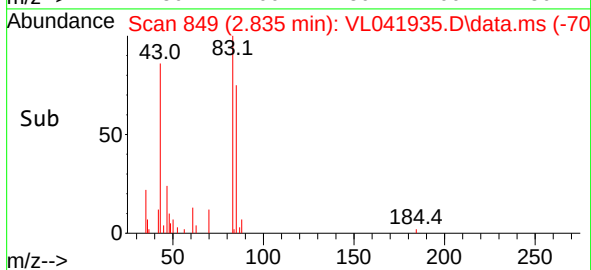
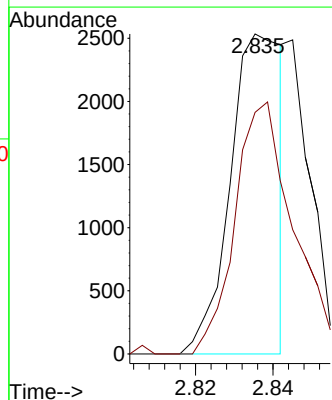
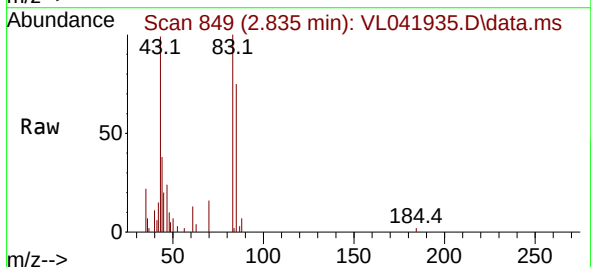
Instrument :
MSVOA_L
ClientSampleId :

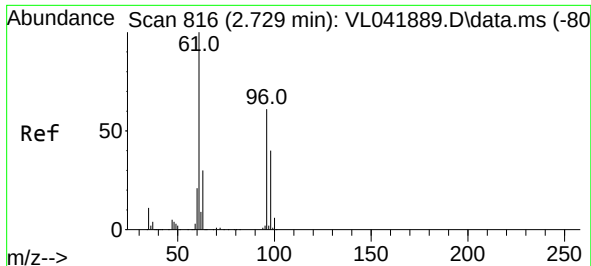
Tgt Ion: 73 Resp: 1133
Ion Ratio Lower Upper
73 100
57 30.0 18.1 27.1#



#29
Chloroform
Concen: 0.087 ppbv
RT: 2.835 min Scan# 849
Delta R.T. -0.023 min
Lab File: VL041935.D
Acq: 21 Jan 2025 00:01

Tgt Ion: 83 Resp: 2349
Ion Ratio Lower Upper
83 100
85 75.5 50.1 75.1#

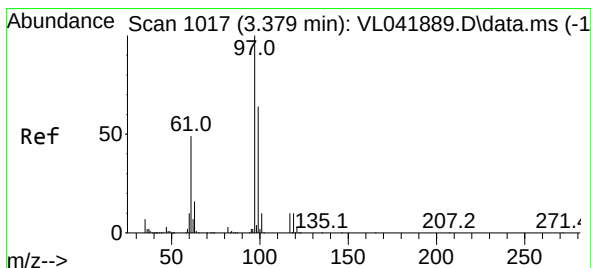
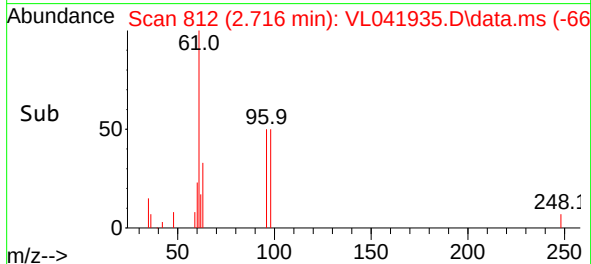
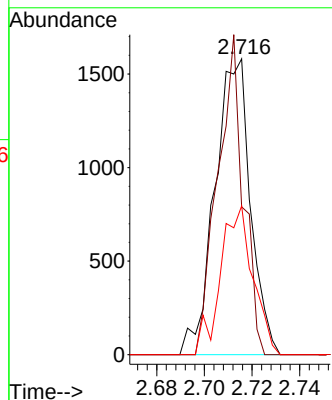
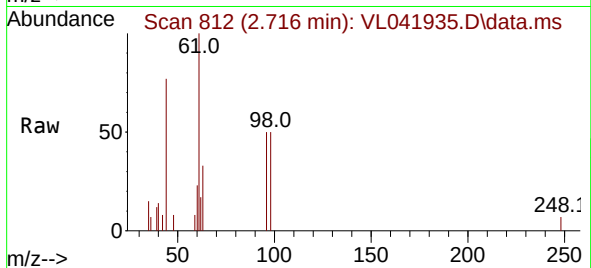




#31
 cis-1,2-Dichloroethene
 Concen: 0.092 ppbv
 RT: 2.716 min Scan# 81
 Delta R.T. -0.013 min
 Lab File: VL041935.D
 Acq: 21 Jan 2025 00:01

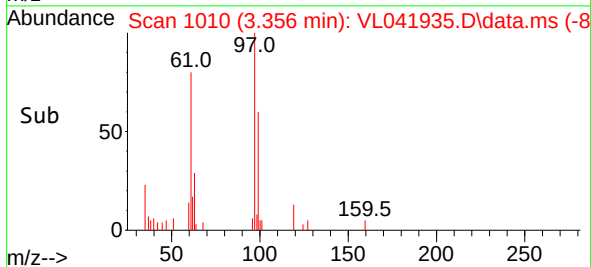
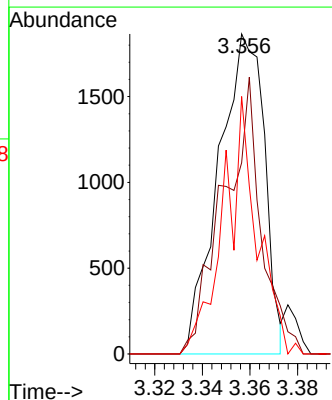
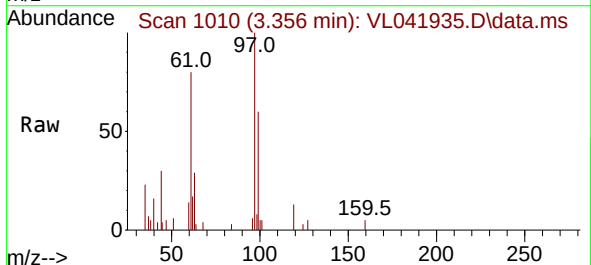
Instrument :
 MSVOA_L
 ClientSampleId :

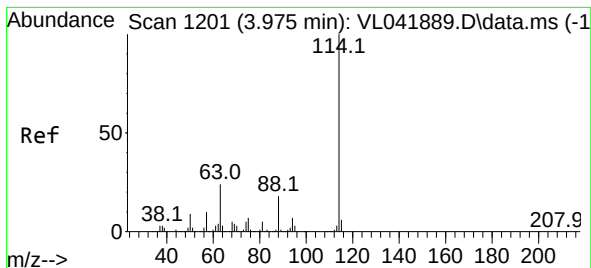
Tgt Ion: 61 Resp: 1648
 Ion Ratio Lower Upper
 61 100
 96 50.0 48.7 73.1
 98 50.3 31.6 47.4#



#32
 1,1,1-Trichloroethane
 Concen: 0.097 ppbv
 RT: 3.356 min Scan# 1010
 Delta R.T. -0.023 min
 Lab File: VL041935.D
 Acq: 21 Jan 2025 00:01

Tgt Ion: 97 Resp: 2489
 Ion Ratio Lower Upper
 97 100
 99 71.4 51.1 76.7
 61 58.9 39.0 58.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.942 min Scan# 1191

Delta R.T. -0.032 min

Lab File: VL041935.D

Acq: 21 Jan 2025 00:01

Instrument :

MSVOA_L

ClientSampleId :

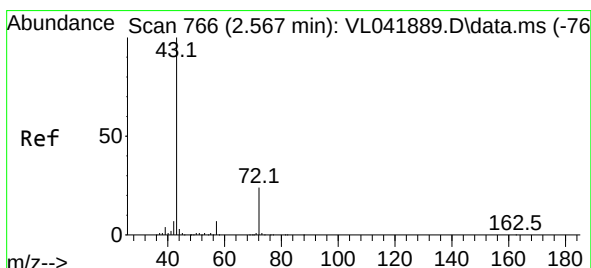
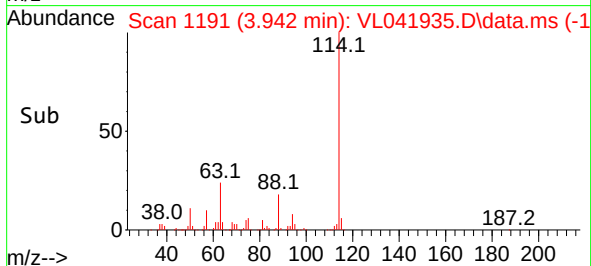
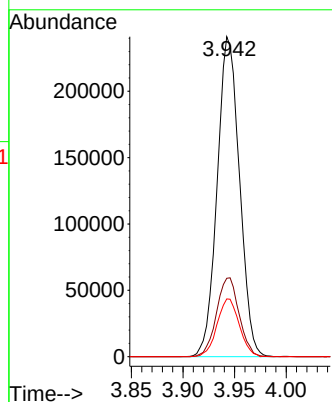
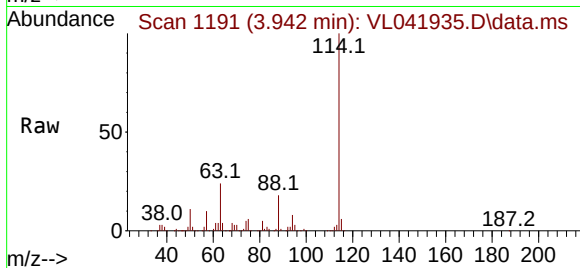
Tgt Ion:114 Resp: 362883

Ion Ratio Lower Upper

114 100

63 25.0 19.8 29.6

88 18.0 14.4 21.6



#34

2-Butanone

Concen: 0.120 ppbv

RT: 2.557 min Scan# 763

Delta R.T. -0.010 min

Lab File: VL041935.D

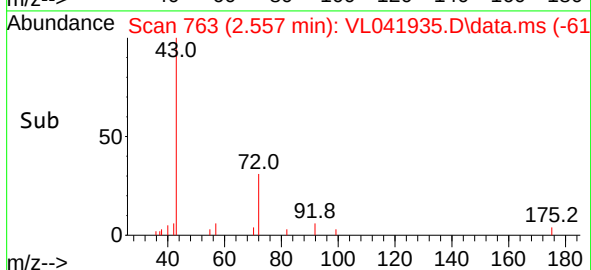
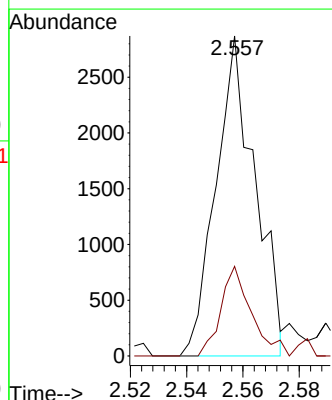
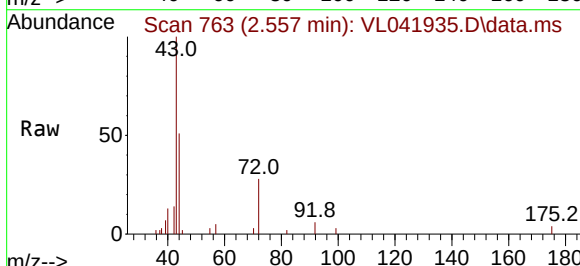
Acq: 21 Jan 2025 00:01

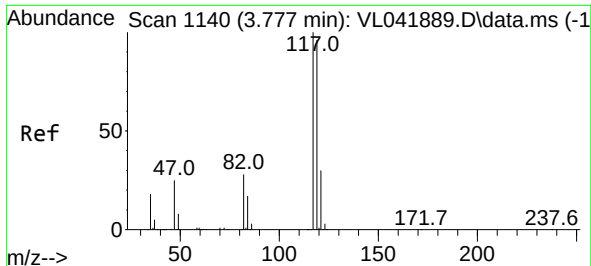
Tgt Ion: 43 Resp: 2764

Ion Ratio Lower Upper

43 100

72 23.6 18.6 28.0

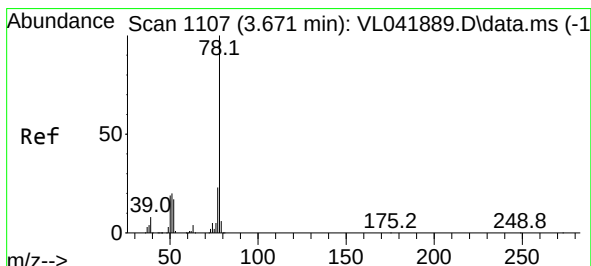
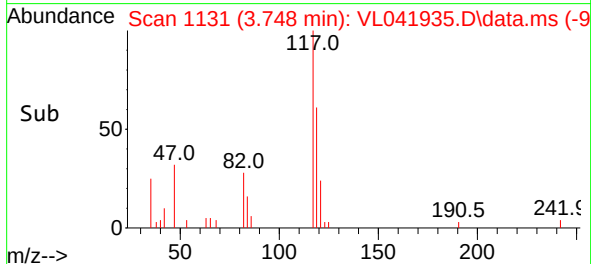
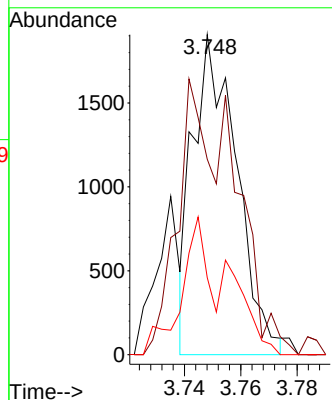
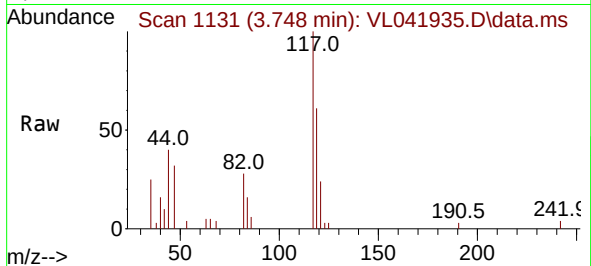




#35
Carbon Tetrachloride
Concen: 0.090 ppbv
RT: 3.748 min Scan# 1140
Delta R.T. -0.029 min
Lab File: VL041935.D
Acq: 21 Jan 2025 00:01

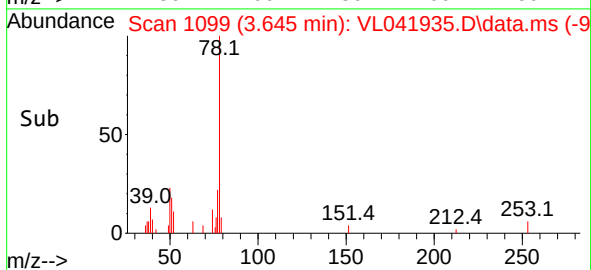
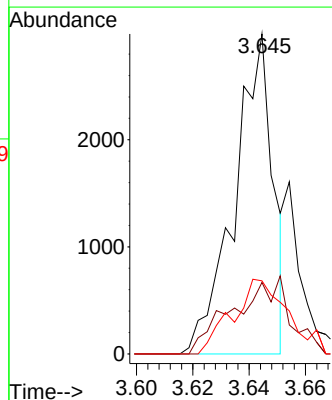
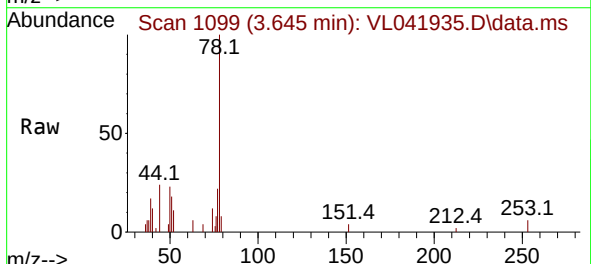
Instrument :
MSVOA_L
ClientSampleId :

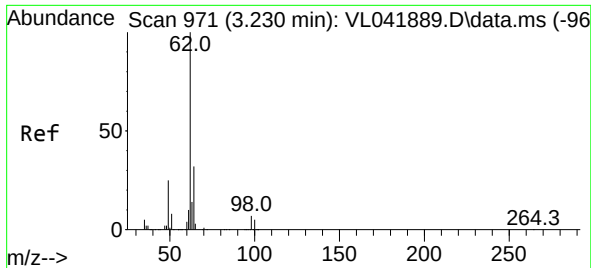
Tgt Ion:117 Resp: 2051
Ion Ratio Lower Upper
117 100
119 58.4 76.9 115.3#
121 25.4 23.8 35.6



#36
Benzene
Concen: 0.085 ppbv
RT: 3.645 min Scan# 1099
Delta R.T. -0.026 min
Lab File: VL041935.D
Acq: 21 Jan 2025 00:01

Tgt Ion: 78 Resp: 2832
Ion Ratio Lower Upper
78 100
77 22.3 18.1 27.1
50 22.8 15.2 22.8#

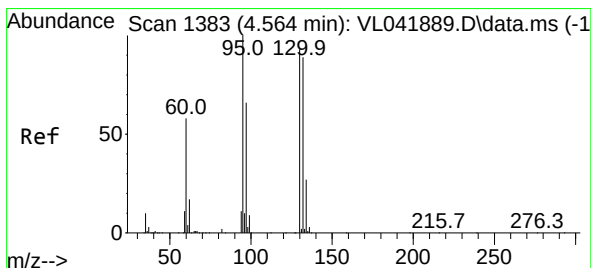
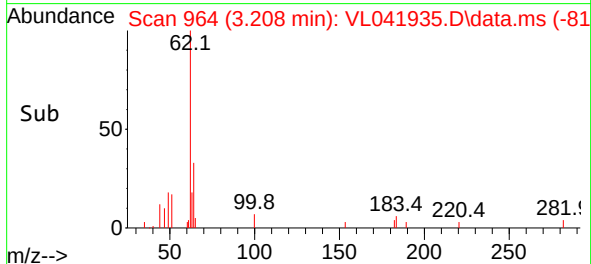
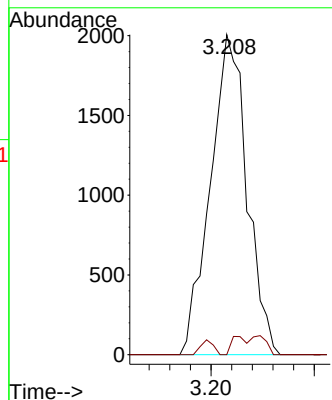
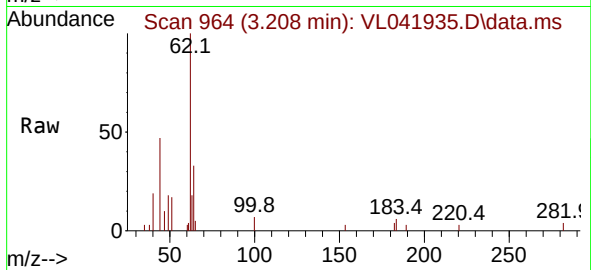




#37
1,2-Dichloroethane
Concen: 0.132 ppbv
RT: 3.208 min Scan# 91
Delta R.T. -0.023 min
Lab File: VL041935.D
Acq: 21 Jan 2025 00:01

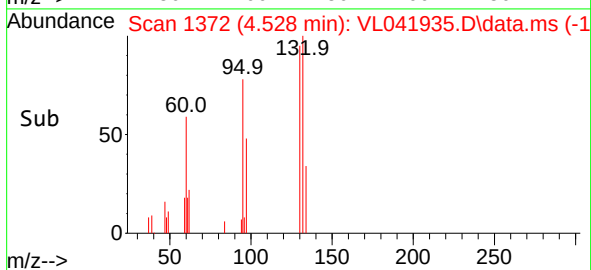
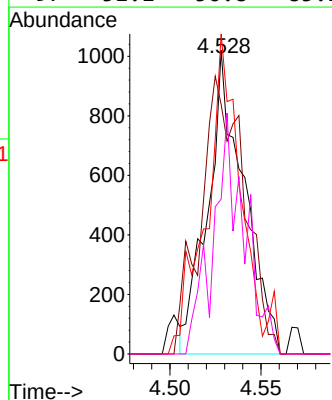
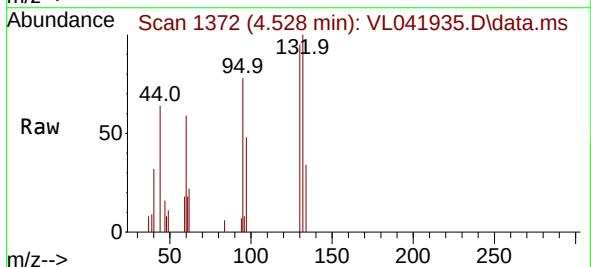
Instrument :
MSVOA_L
ClientSampleId :

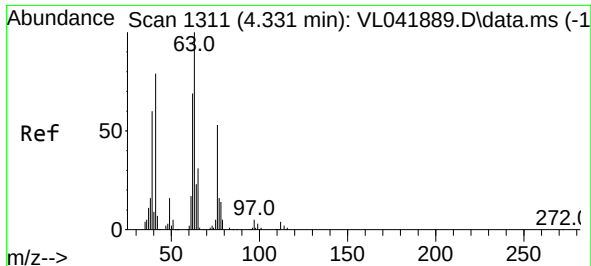
Tgt Ion: 62 Resp: 2469
Ion Ratio Lower Upper
62 100
98 6.4 5.4 8.0



#38
Trichloroethene
Concen: 0.106 ppbv
RT: 4.528 min Scan# 1372
Delta R.T. -0.036 min
Lab File: VL041935.D
Acq: 21 Jan 2025 00:01

Tgt Ion:130 Resp: 1398
Ion Ratio Lower Upper
130 100
95 82.2 85.8 128.8#
132 105.4 76.5 114.7
97 51.1 56.8 85.2#





#39

1,2-Dichloropropane

Concen: 7.765 ppbv

RT: 3.946 min Scan# 1192

Delta R.T. -0.385 min

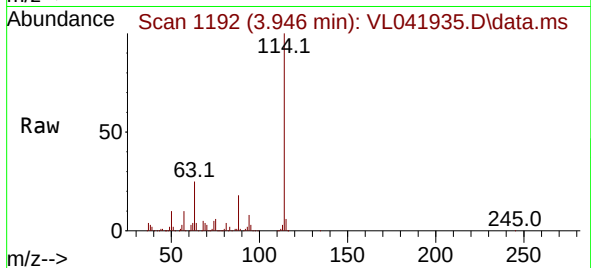
Lab File: VL041935.D

Acq: 21 Jan 2025 00:01

Instrument :

MSVOA_L

ClientSampleId :



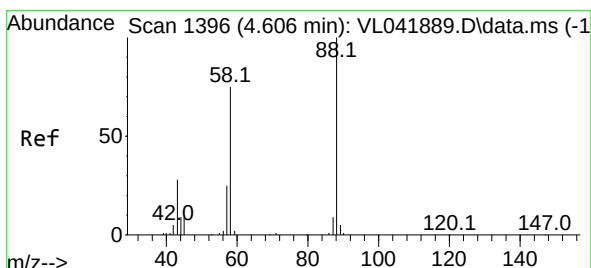
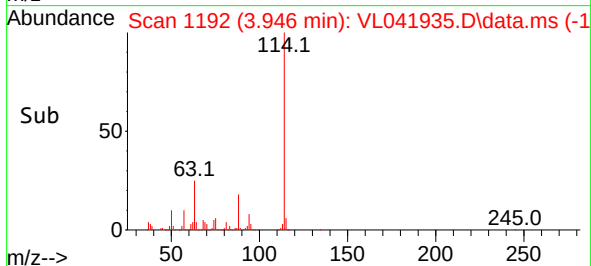
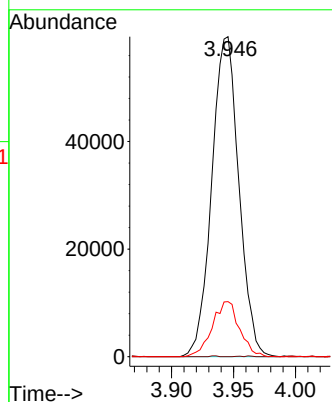
Tgt Ion: 63 Resp: 90652

Ion Ratio Lower Upper

63 100

41 0.1 63.7 95.5#

62 17.2 55.4 83.2#



#40

1,4-Dioxane

Concen: 0.055 ppbv

RT: 4.596 min Scan# 1393

Delta R.T. -0.010 min

Lab File: VL041935.D

Acq: 21 Jan 2025 00:01

Tgt Ion: 88 Resp: 323

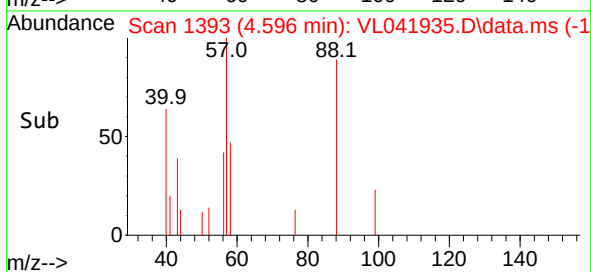
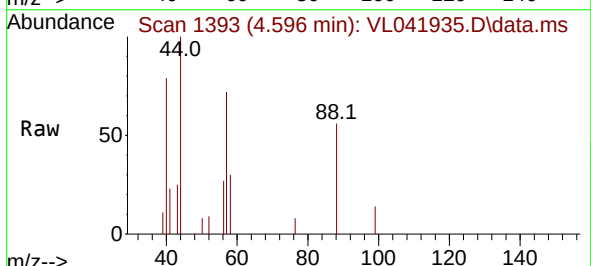
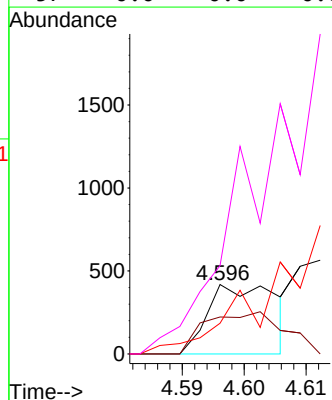
Ion Ratio Lower Upper

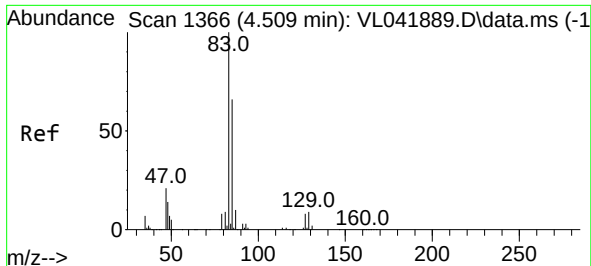
88 100

58 0.0 62.1 93.1#

43 0.0 0.0 0.0

57 0.0 0.0 0.0

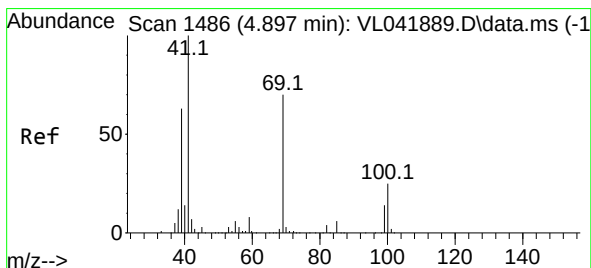
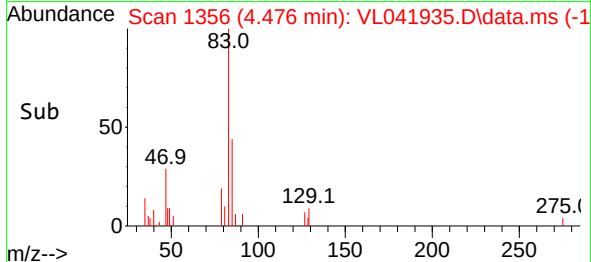
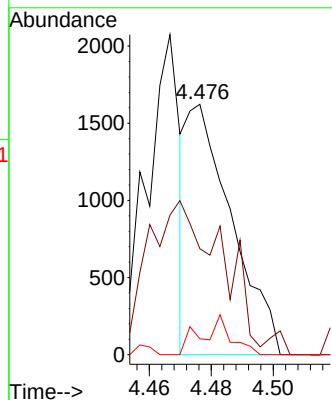
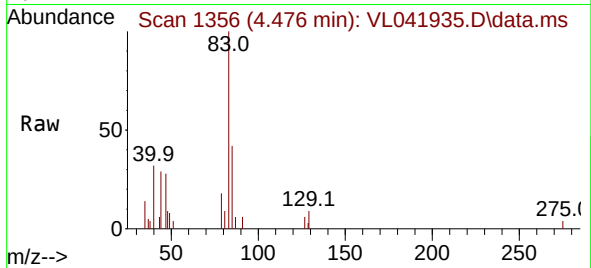




#42
Bromodichloromethane
Concen: 0.065 ppbv
RT: 4.476 min Scan# 11
Delta R.T. -0.032 min
Lab File: VL041935.D
Acq: 21 Jan 2025 00:01

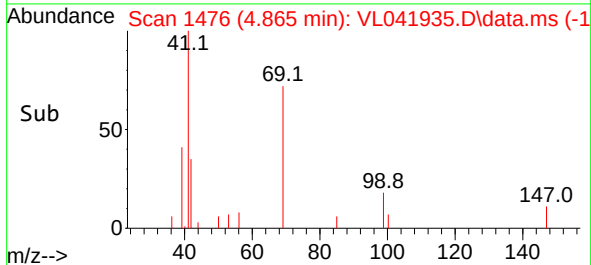
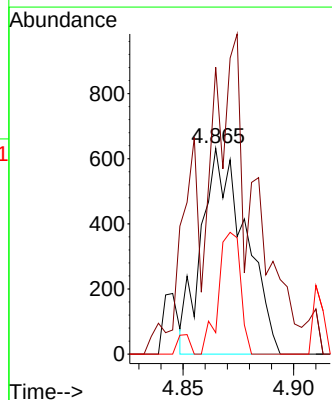
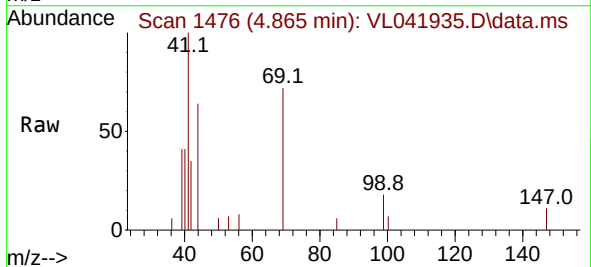
Instrument :
MSVOA_L
ClientSampleId :

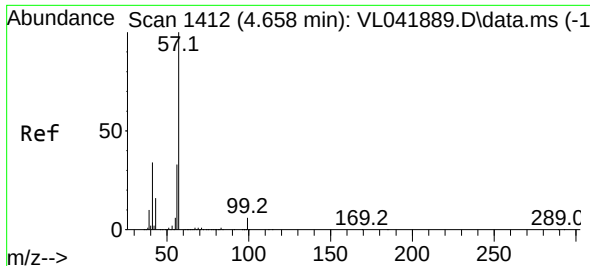
Tgt Ion: 83 Resp: 1641
Ion Ratio Lower Upper
83 100
85 32.8 52.6 78.8#
127 6.3 6.4 9.6#



#43
Methyl Methacrylate
Concen: 0.071 ppbv
RT: 4.865 min Scan# 1476
Delta R.T. -0.032 min
Lab File: VL041935.D
Acq: 21 Jan 2025 00:01

Tgt Ion: 69 Resp: 875
Ion Ratio Lower Upper
69 100
41 189.9 118.6 177.8#
100 32.2 29.3 43.9

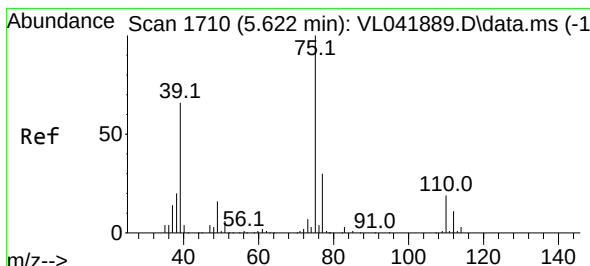
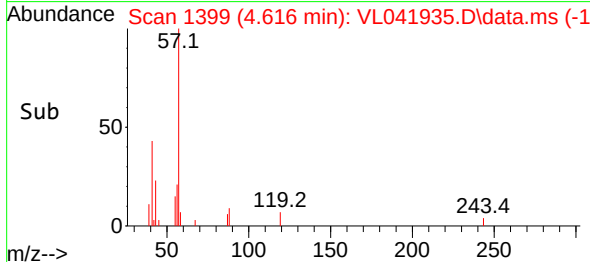
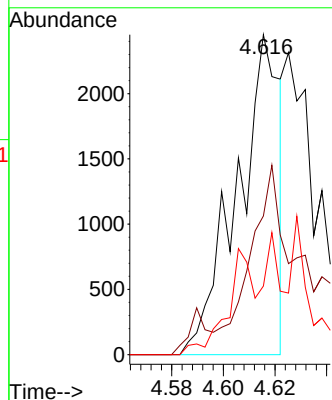
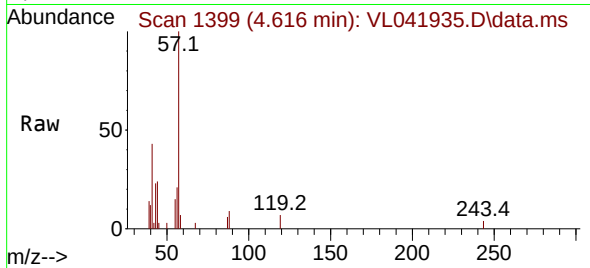




#44
2,2,4-Trimethylpentane
Concen: 0.052 ppbv
RT: 4.616 min Scan# 11
Delta R.T. -0.042 min
Lab File: VL041935.D
Acq: 21 Jan 2025 00:01

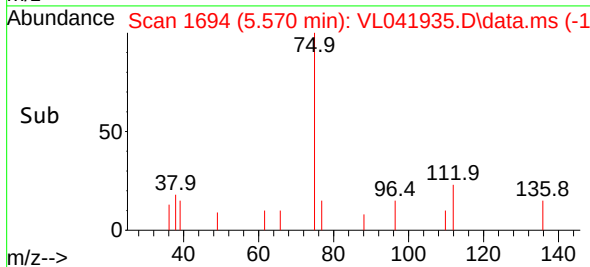
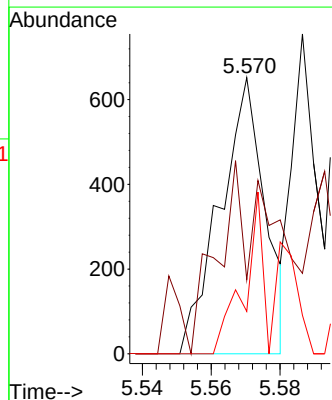
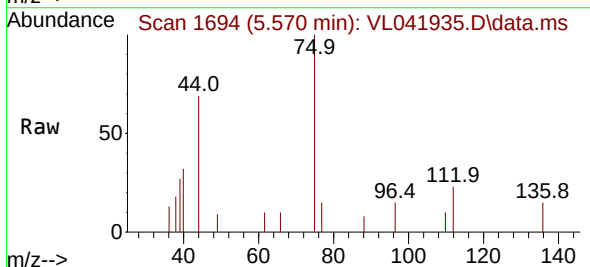
Instrument :
MSVOA_L
ClientSampleId :

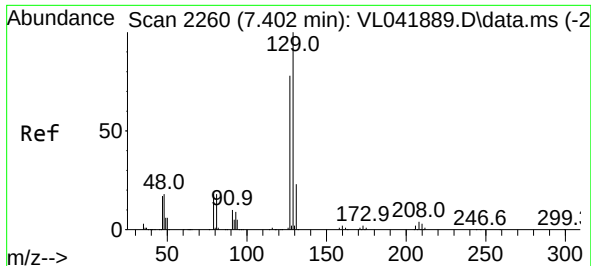
Tgt Ion: 57 Resp: 2800
Ion Ratio Lower Upper
57 100
41 77.3 26.6 40.0#
56 0.0 25.4 38.2#



#46
cis-1,3-Dichloropropene
Concen: 0.039 ppbv
RT: 5.570 min Scan# 1694
Delta R.T. -0.052 min
Lab File: VL041935.D
Acq: 21 Jan 2025 00:01

Tgt Ion: 75 Resp: 593
Ion Ratio Lower Upper
75 100
39 9.5 53.1 79.7#
77 15.3 23.8 35.8#

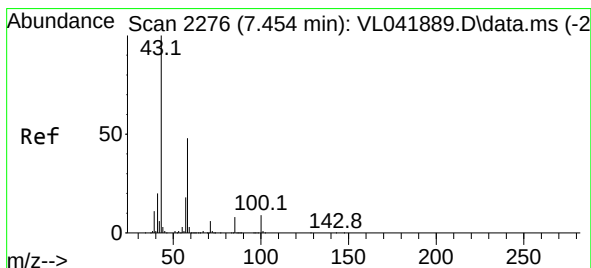
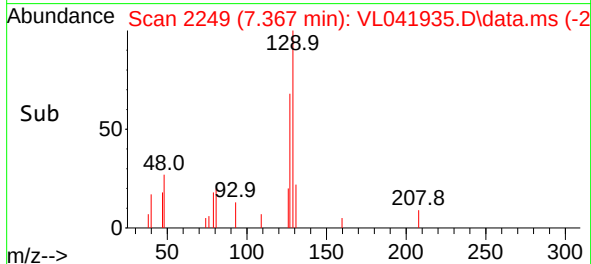
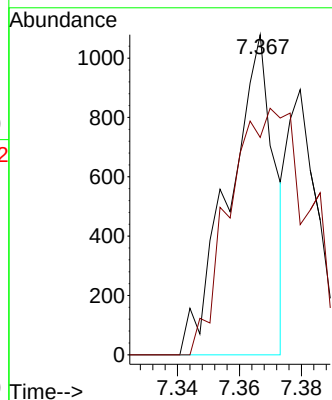
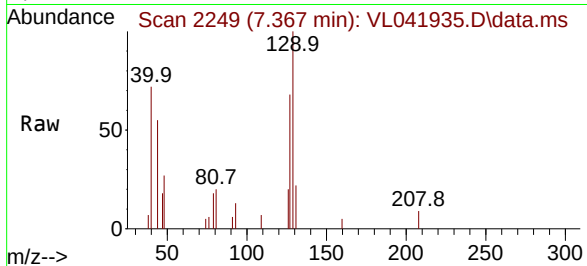




#48
 Dibromochloromethane
 Concen: 0.057 ppbv
 RT: 7.367 min Scan# 211
 Delta R.T. -0.036 min
 Lab File: VL041935.D
 Acq: 21 Jan 2025 00:01

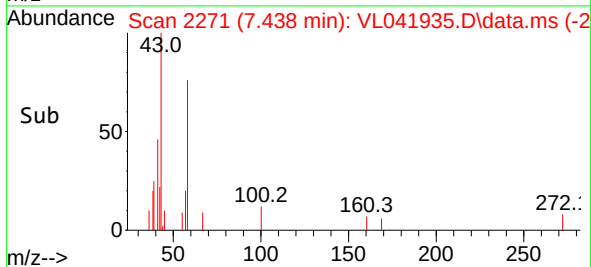
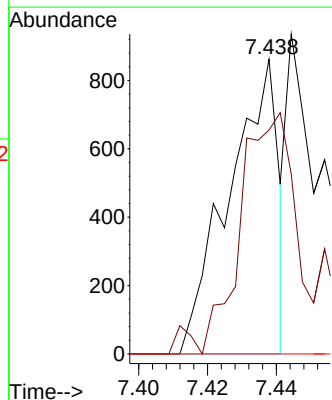
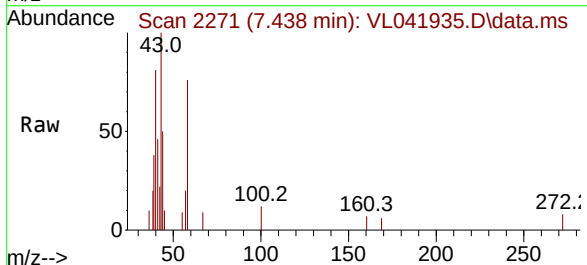
Instrument :
 MSVOA_L
 ClientSampleId :

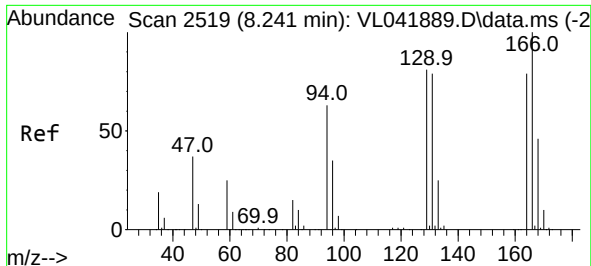
Tgt Ion:129 Resp: 1089
 Ion Ratio Lower Upper
 129 100
 127 138.8 39.3 117.8#



#51
 2-Hexanone
 Concen: 0.035 ppbv
 RT: 7.438 min Scan# 2271
 Delta R.T. -0.016 min
 Lab File: VL041935.D
 Acq: 21 Jan 2025 00:01

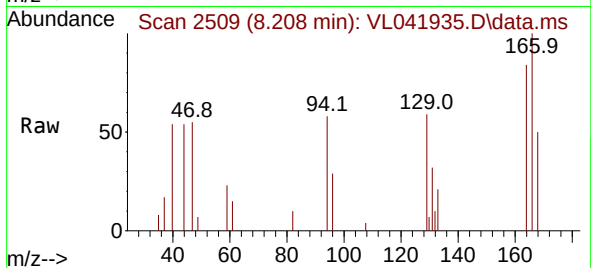
Tgt Ion: 43 Resp: 858
 Ion Ratio Lower Upper
 43 100
 58 0.0 40.4 60.6#
 98 0.0 0.2 0.2#



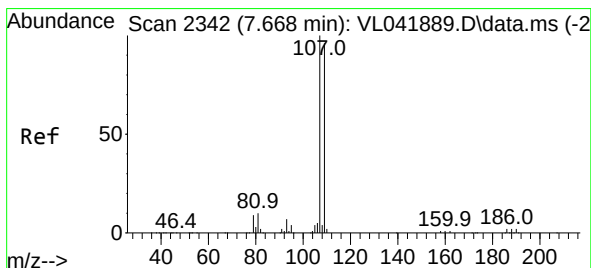
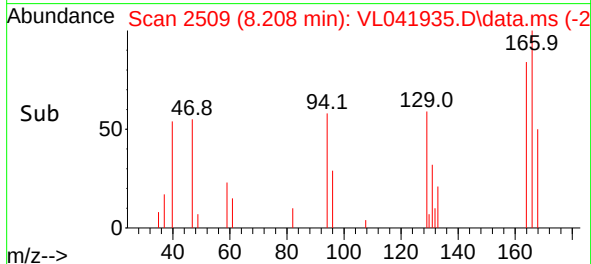
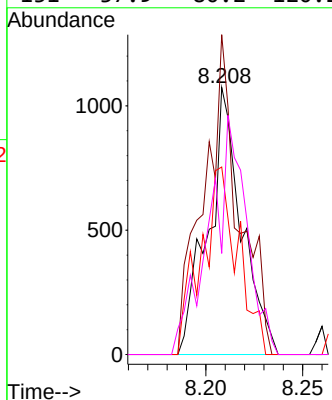


#52
Tetrachloroethene
Concen: 0.112 ppbv
RT: 8.208 min Scan# 2133
Delta R.T. -0.032 min
Lab File: VL041935.D
Acq: 21 Jan 2025 00:01

Instrument :
MSVOA_L
ClientSampleId :

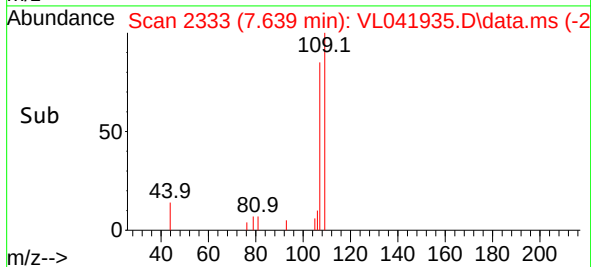
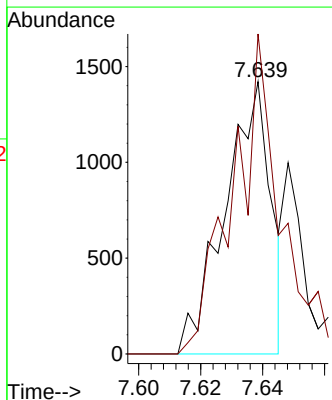
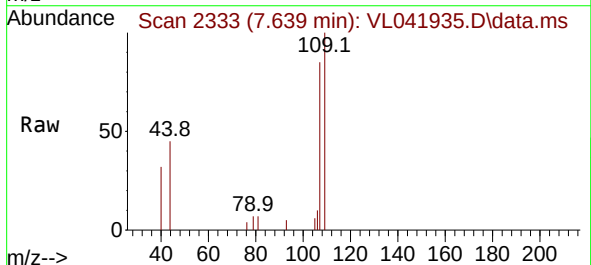


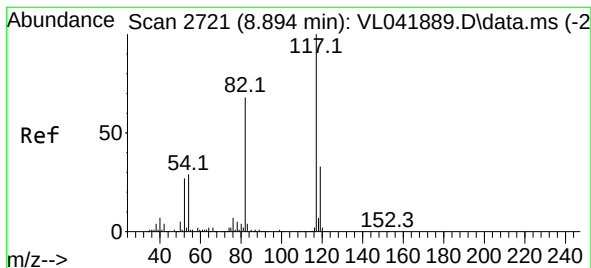
Tgt Ion:164 Resp: 1290
Ion Ratio Lower Upper
164 100
166 119.7 100.8 151.2
129 70.2 82.0 123.0#
131 37.9 80.2 120.2#



#54
1,2-Dibromoethane
Concen: 0.086 ppbv
RT: 7.639 min Scan# 2333
Delta R.T. -0.029 min
Lab File: VL041935.D
Acq: 21 Jan 2025 00:01

Tgt Ion:107 Resp: 1456
Ion Ratio Lower Upper
107 100
109 117.5 76.7 115.1#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.868 min Scan# 21

Delta R.T. -0.026 min

Lab File: VL041935.D

Acq: 21 Jan 2025 00:01

Instrument :

MSVOA_L

ClientSampleId :

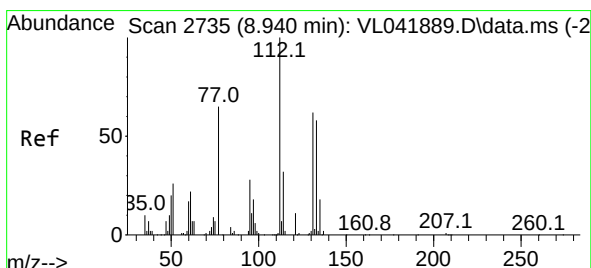
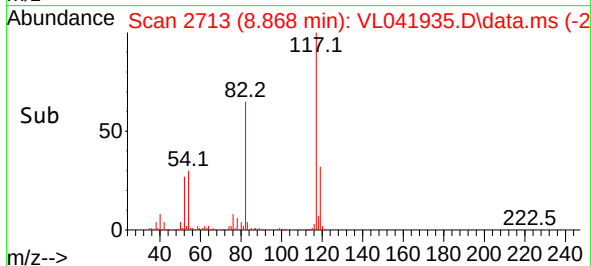
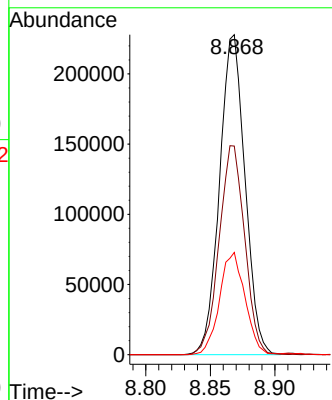
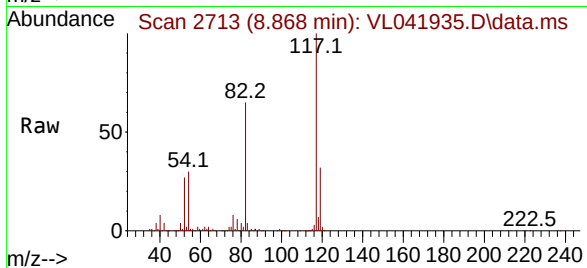
Tgt Ion:117 Resp: 312601

Ion Ratio Lower Upper

117 100

82 65.6 54.2 81.4

119 32.4 25.0 37.6



#56

1,1,1,2-Tetrachloroethane

Concen: 0.056 ppbv

RT: 8.914 min Scan# 2727

Delta R.T. -0.026 min

Lab File: VL041935.D

Acq: 21 Jan 2025 00:01

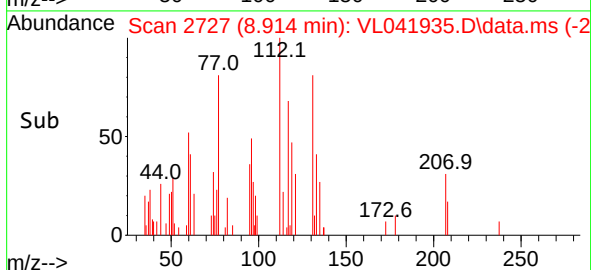
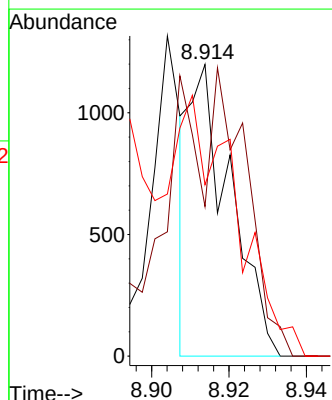
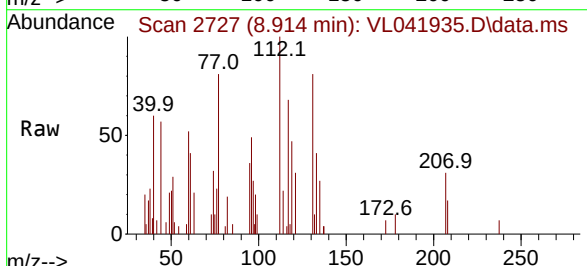
Tgt Ion:131 Resp: 878

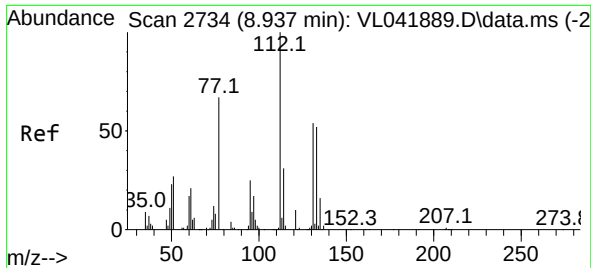
Ion Ratio Lower Upper

131 100

133 181.7 76.0 114.0#

119 0.0 49.7 74.5#

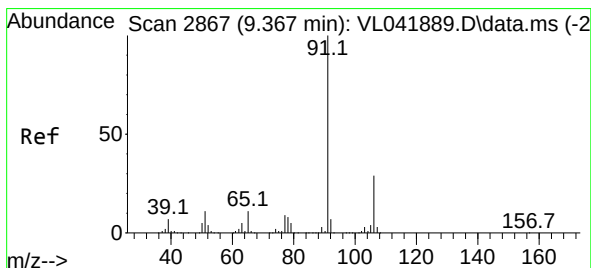
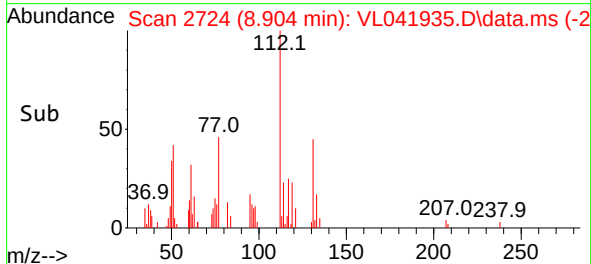
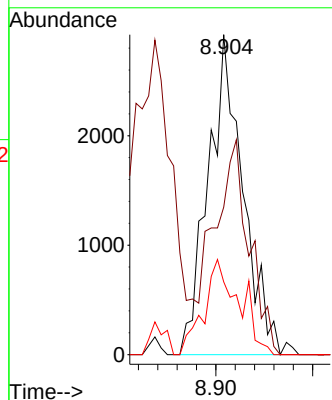
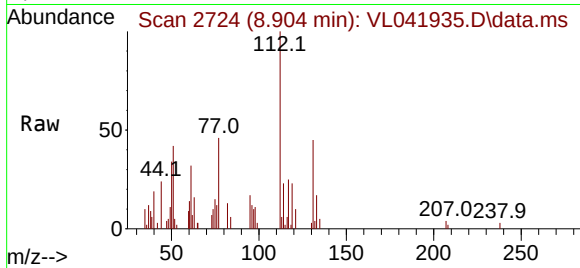




#57
Chlorobenzene
Concen: 0.126 ppbv
RT: 8.904 min Scan# 21
Delta R.T. -0.032 min
Lab File: VL041935.D
Acq: 21 Jan 2025 00:01

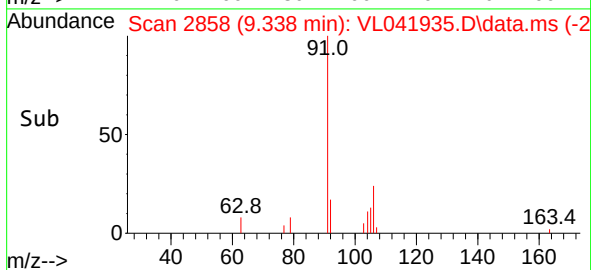
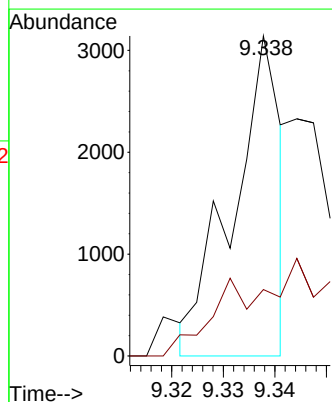
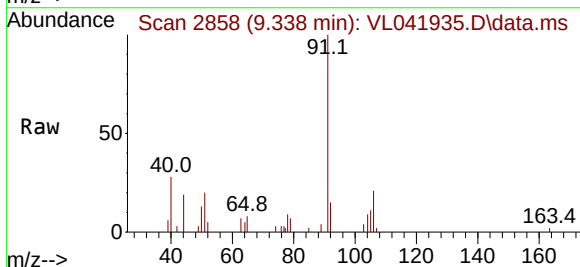
Instrument :
MSVOA_L
ClientSampleId :

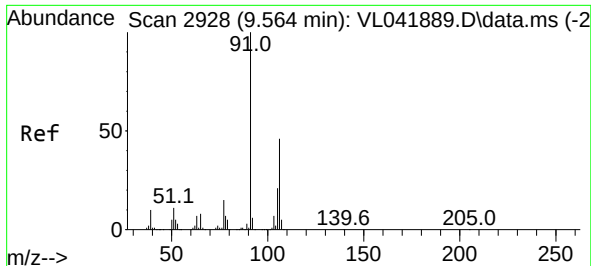
Tgt Ion:112 Resp: 3636
Ion Ratio Lower Upper
112 100
77 46.1 54.6 82.0#
114 22.8 28.2 34.4#



#58
Ethyl Benzene
Concen: 0.042 ppbv
RT: 9.338 min Scan# 2858
Delta R.T. -0.029 min
Lab File: VL041935.D
Acq: 21 Jan 2025 00:01

Tgt Ion: 91 Resp: 2031
Ion Ratio Lower Upper
91 100
106 15.8 23.1 34.7#





#59

m/p-Xylene

Concen: 0.047 ppbv

RT: 9.538 min Scan# 2928

Delta R.T. -0.026 min

Lab File: VL041935.D

Acq: 21 Jan 2025 00:01

Instrument :

MSVOA_L

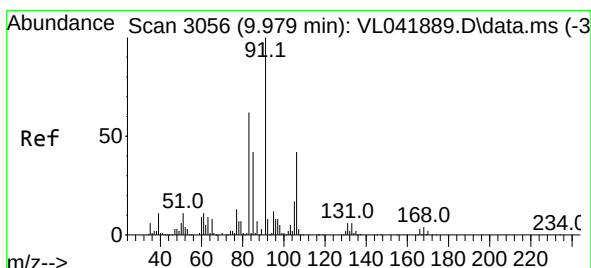
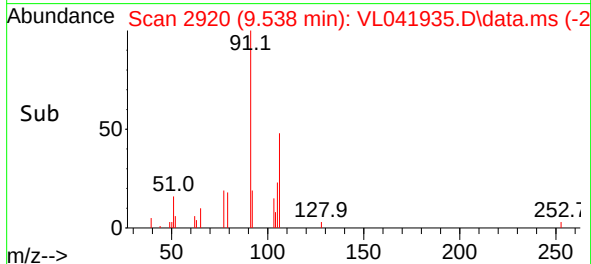
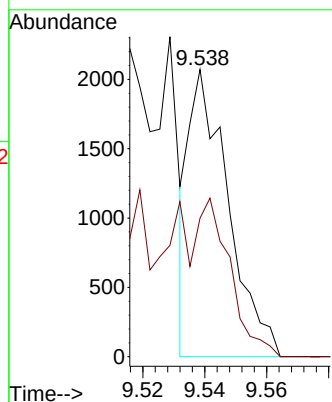
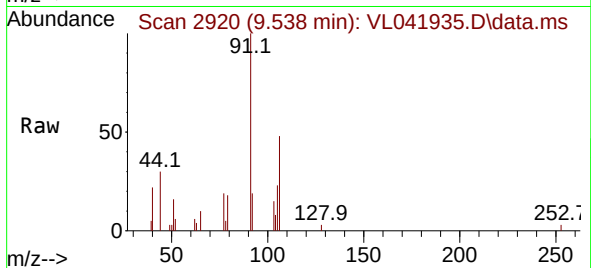
ClientSampleId :

Tgt Ion: 91 Resp: 1840

Ion Ratio Lower Upper

91 100

106 0.0 36.0 54.0#



#60

o-Xylene

Concen: 0.034 ppbv

RT: 9.953 min Scan# 3048

Delta R.T. -0.026 min

Lab File: VL041935.D

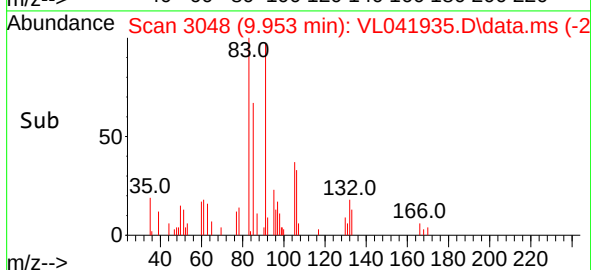
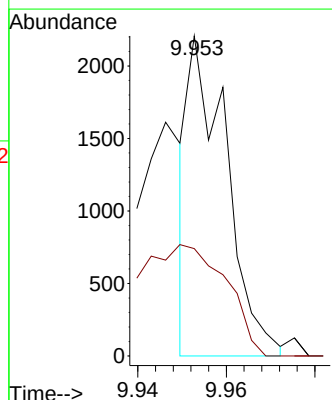
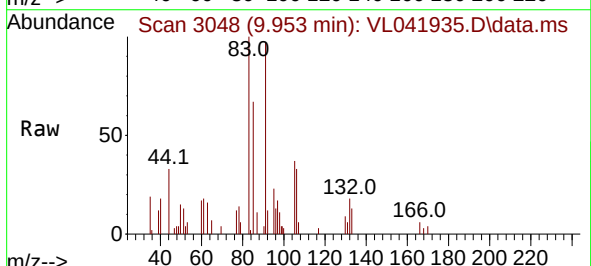
Acq: 21 Jan 2025 00:01

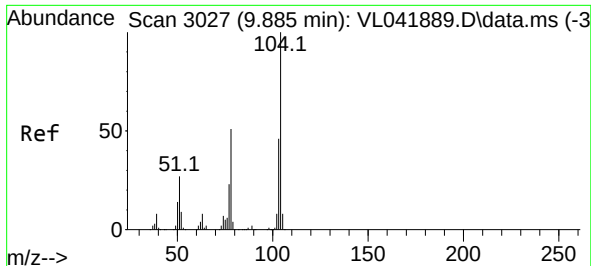
Tgt Ion: 91 Resp: 1311

Ion Ratio Lower Upper

91 100

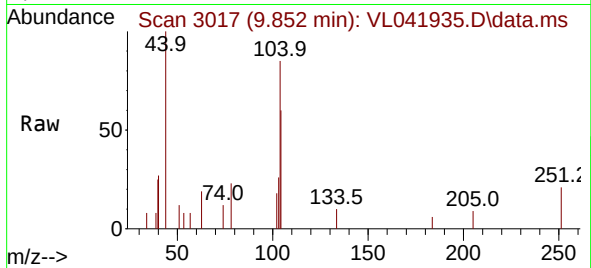
106 80.2 21.3 63.9#



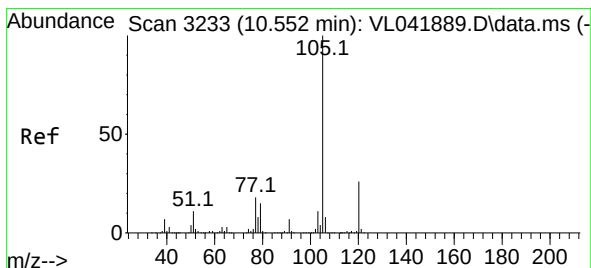
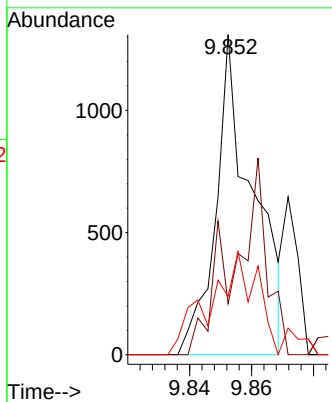
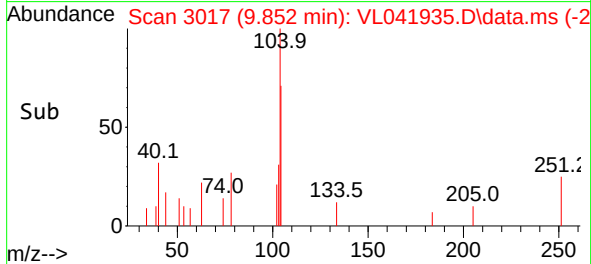


#61
Styrene
Concen: 0.062 ppbv
RT: 9.852 min Scan# 3017
Delta R.T. -0.032 min
Lab File: VL041935.D
Acq: 21 Jan 2025 00:01

Instrument :
MSVOA_L
ClientSampleId :

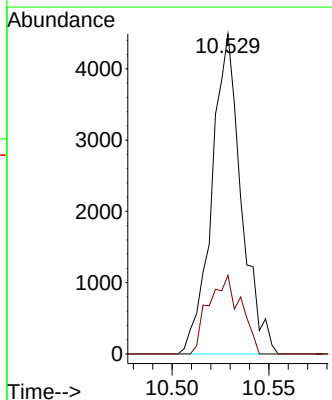
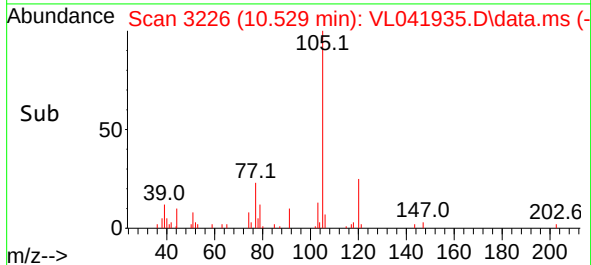
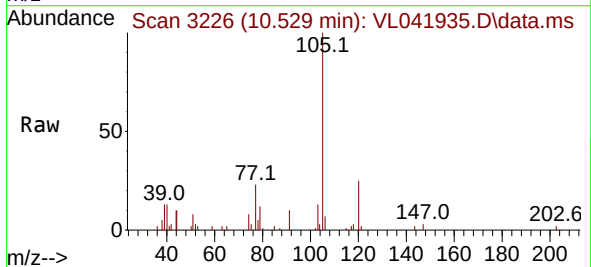


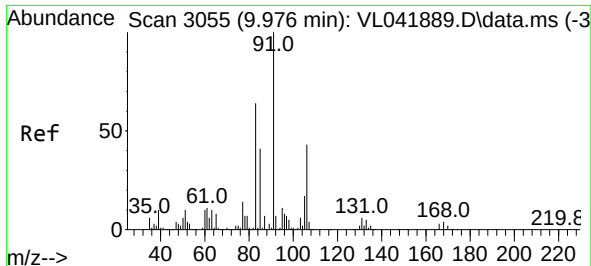
Tgt Ion:104 Resp: 1081
Ion Ratio Lower Upper
104 100
78 58.4 41.0 61.6
103 45.1 37.2 55.8



#62
Isopropylbenzene
Concen: 0.079 ppbv
RT: 10.529 min Scan# 3226
Delta R.T. -0.023 min
Lab File: VL041935.D
Acq: 21 Jan 2025 00:01

Tgt Ion:105 Resp: 4756
Ion Ratio Lower Upper
105 100
120 26.9 20.3 30.5





#63

1,1,2,2-Tetrachloroethane

Concen: 0.061 ppbv

RT: 9.946 min Scan# 3055

Delta R.T. -0.029 min

Lab File: VL041935.D

Acq: 21 Jan 2025 00:01

Instrument :

MSVOA_L

ClientSampleId :

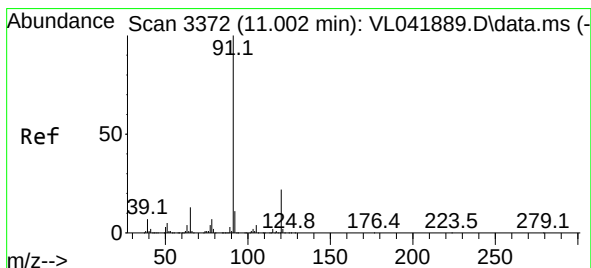
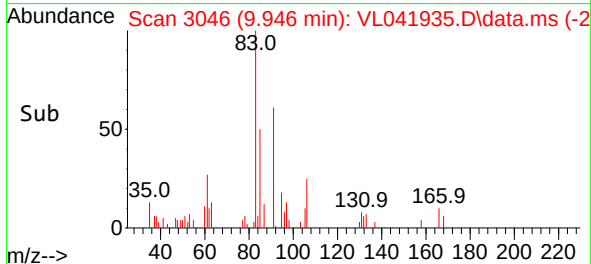
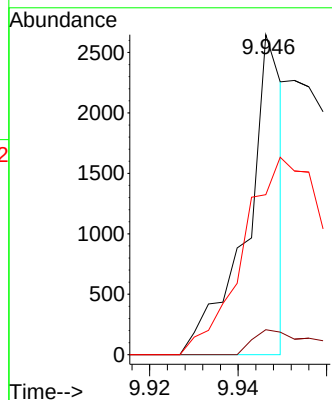
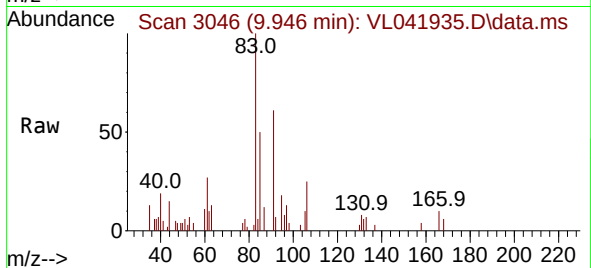
Tgt Ion: 83 Resp: 1514

Ion Ratio Lower Upper

83 100

131 14.9 4.8 14.4#

85 0.0 32.4 97.2#



#64

n-propylbenzene

Concen: 0.055 ppbv

RT: 10.982 min Scan# 3366

Delta R.T. -0.020 min

Lab File: VL041935.D

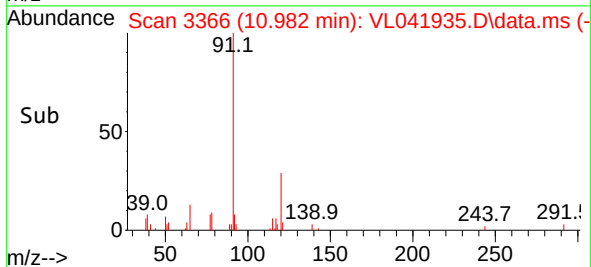
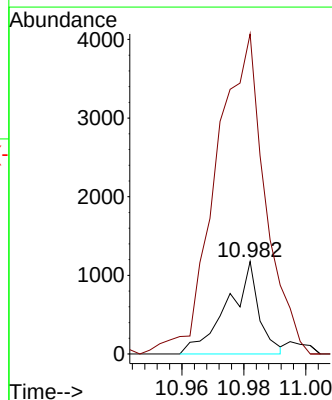
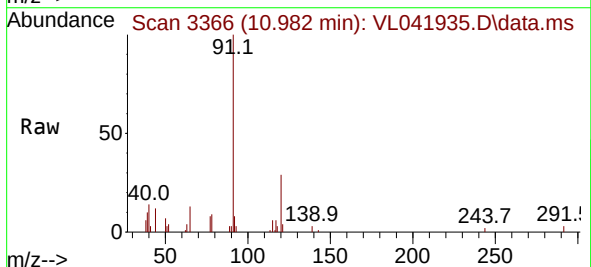
Acq: 21 Jan 2025 00:01

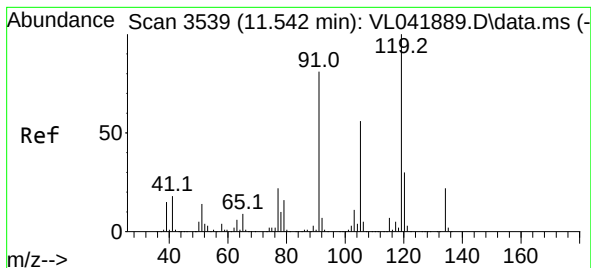
Tgt Ion: 120 Resp: 833

Ion Ratio Lower Upper

120 100

91 544.7 374.1 561.1

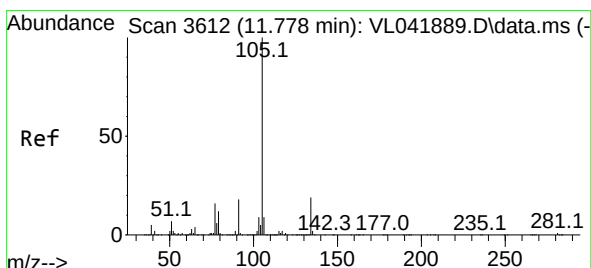
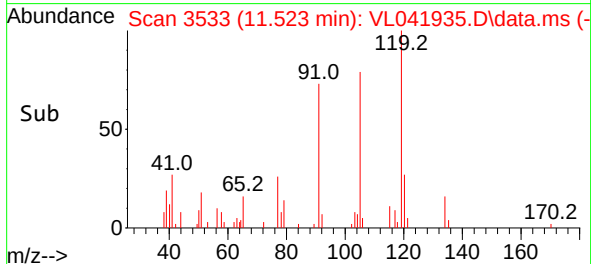
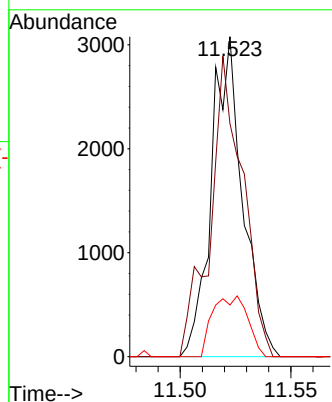
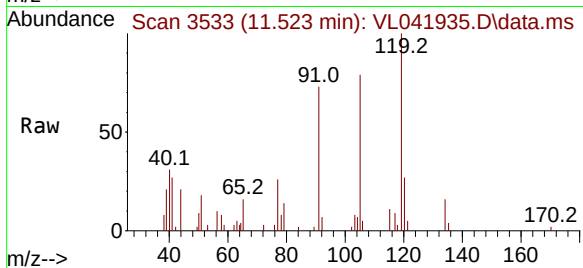




#65
tert-Butylbenzene
Concen: 0.055 ppbv
RT: 11.523 min Scan# 311
Delta R.T. -0.020 min
Lab File: VL041935.D
Acq: 21 Jan 2025 00:01

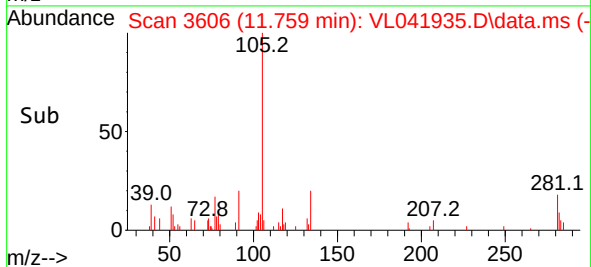
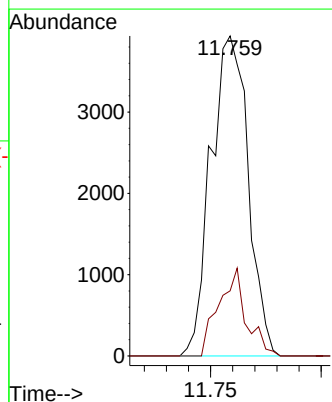
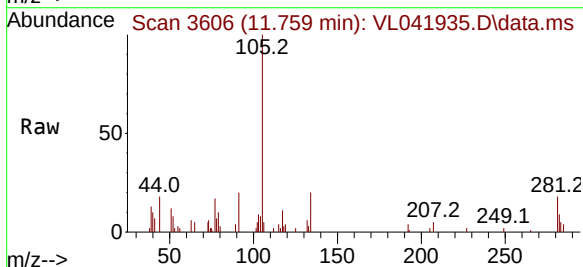
Instrument :
MSVOA_L
ClientSampleId :

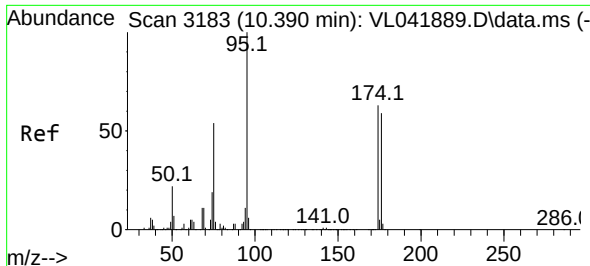
Tgt Ion:119 Resp: 3024
Ion Ratio Lower Upper
119 100
91 97.7 64.6 97.0#
134 21.2 16.8 25.2



#67
sec-Butylbenzene
Concen: 0.061 ppbv
RT: 11.759 min Scan# 3606
Delta R.T. -0.020 min
Lab File: VL041935.D
Acq: 21 Jan 2025 00:01

Tgt Ion:105 Resp: 4617
Ion Ratio Lower Upper
105 100
134 20.2 15.1 22.7

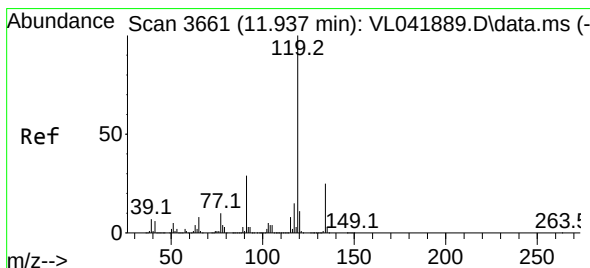
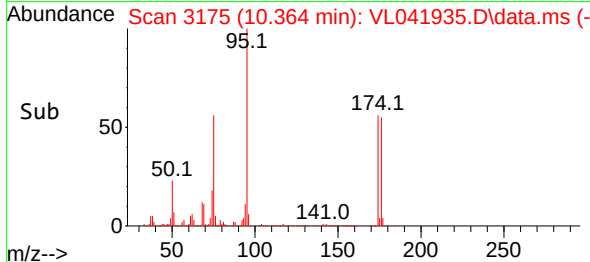
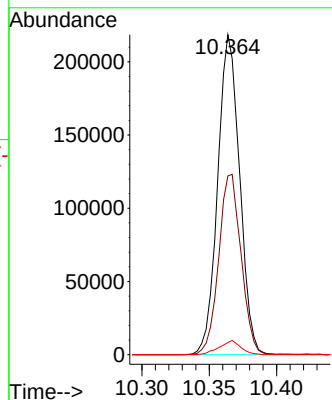
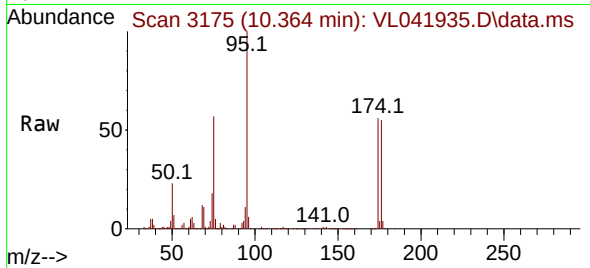




#68
1-Bromo-4-Fluorobenzene
Concen: 10.044 ppbv
RT: 10.364 min Scan# 3183
Delta R.T. -0.026 min
Lab File: VL041935.D
Acq: 21 Jan 2025 00:01

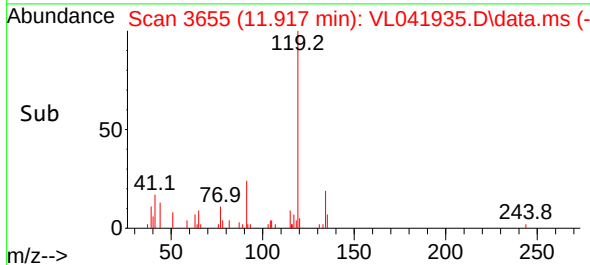
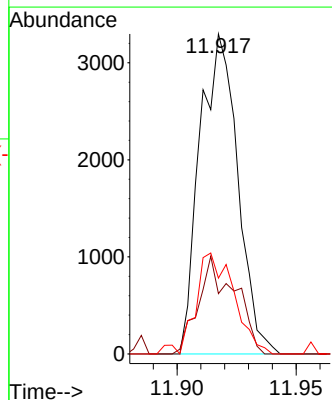
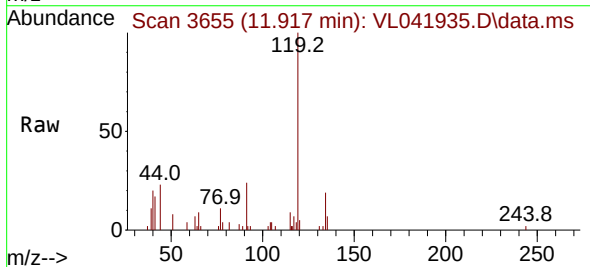
Instrument :
MSVOA_L
ClientSampleId :

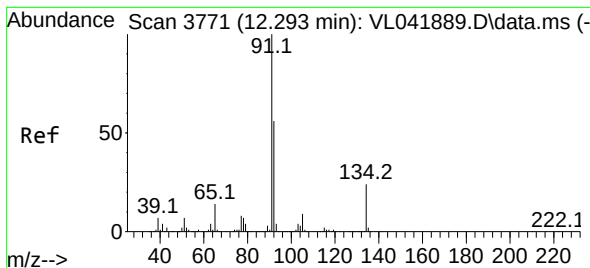
Tgt Ion: 95 Resp: 247307
Ion Ratio Lower Upper
95 100
174 57.6 49.0 73.4
175 4.3 3.8 5.8



#69
p-Isopropyltoluene
Concen: 0.059 ppbv
RT: 11.917 min Scan# 3655
Delta R.T. -0.020 min
Lab File: VL041935.D
Acq: 21 Jan 2025 00:01

Tgt Ion: 119 Resp: 3650
Ion Ratio Lower Upper
119 100
134 29.3 19.8 29.6
91 32.0 23.0 34.4

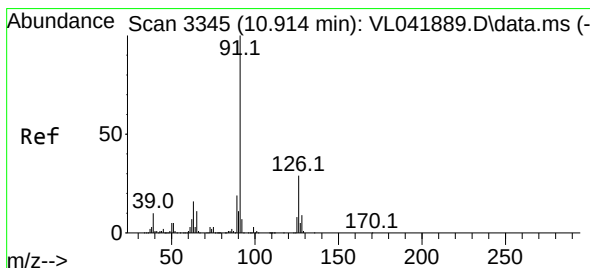
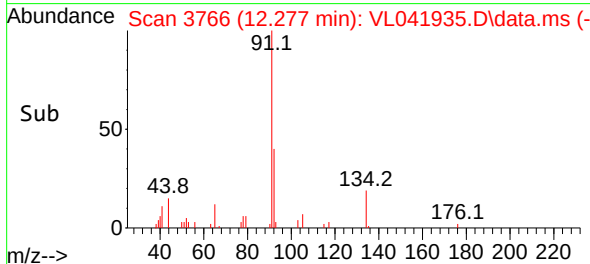
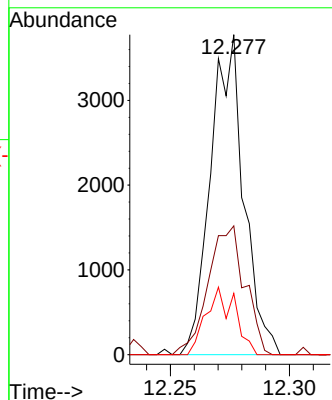
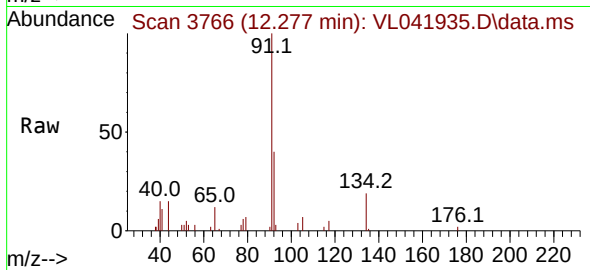




#70
n-Butylbenzene
Concen: 0.059 ppbv
RT: 12.277 min Scan# 31
Delta R.T. -0.016 min
Lab File: VL041935.D
Acq: 21 Jan 2025 00:01

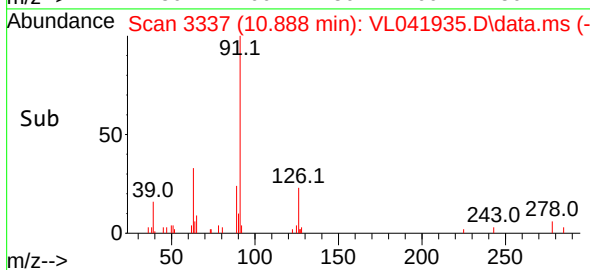
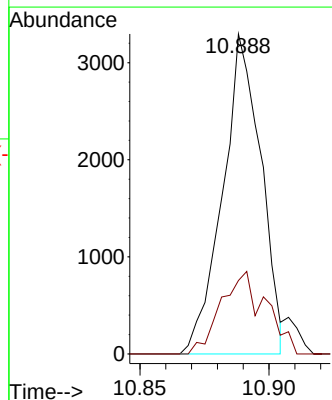
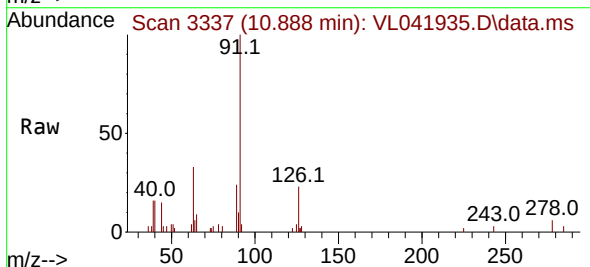
Instrument :
MSVOA_L
ClientSampleId :

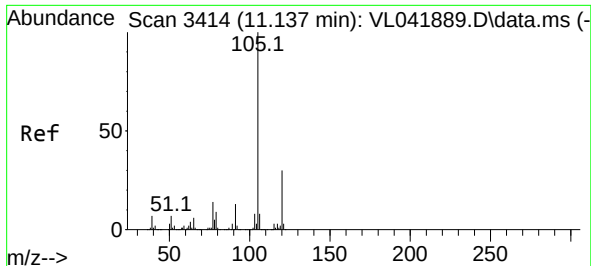
Tgt Ion: 91 Resp: 3648
Ion Ratio Lower Upper
91 100
92 47.2 43.8 65.6
134 18.4 19.0 28.6#



#71
2-Chlorotoluene
Concen: 0.077 ppbv
RT: 10.888 min Scan# 3337
Delta R.T. -0.026 min
Lab File: VL041935.D
Acq: 21 Jan 2025 00:01

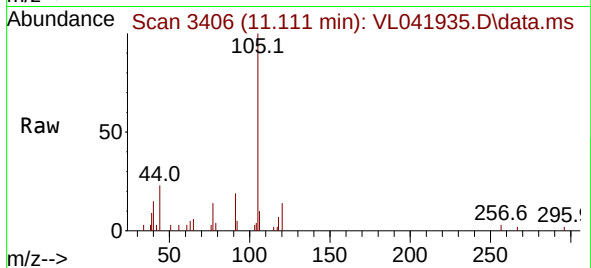
Tgt Ion: 91 Resp: 3404
Ion Ratio Lower Upper
91 100
126 30.0 11.7 46.7



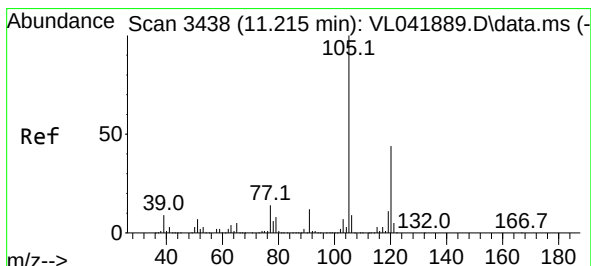
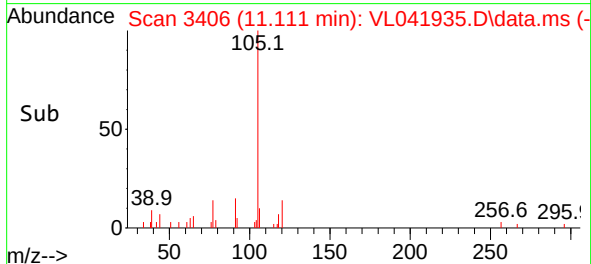
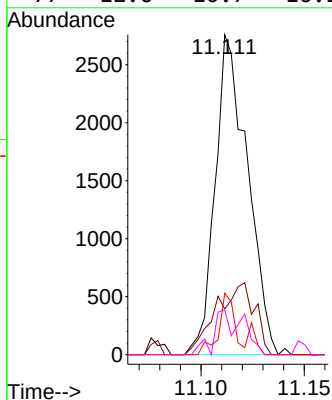


#72
4-Ethyltoluene
Concen: 0.065 ppbv
RT: 11.111 min Scan# 3414
Delta R.T. -0.026 min
Lab File: VL041935.D
Acq: 21 Jan 2025 00:01

Instrument :
MSVOA_L
ClientSampleId :

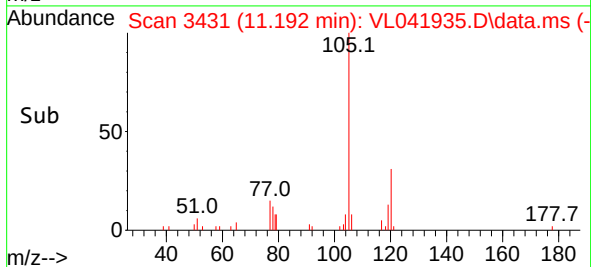
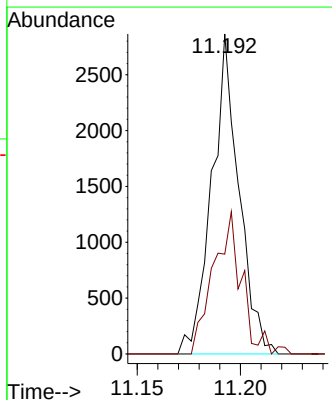
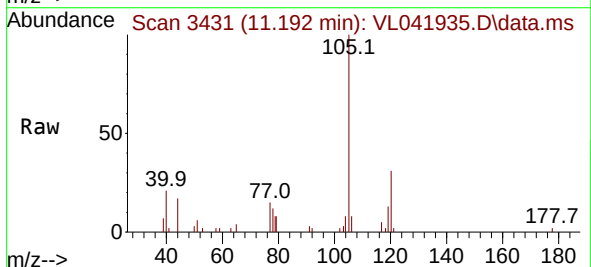


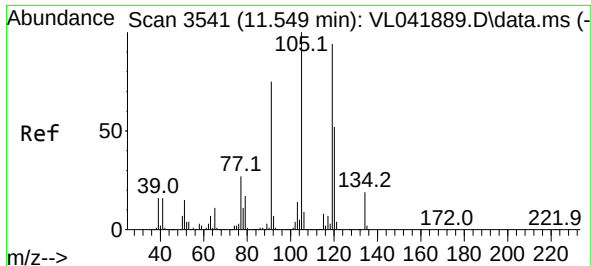
Tgt Ion:105	Resp:	3001
Ion	Ratio	Lower Upper
105	100	
120	26.8	23.7 35.5
91	11.8	10.2 15.2
77	12.6	10.7 16.1



#73
1,3,5-Trimethylbenzene
Concen: 0.064 ppbv
RT: 11.192 min Scan# 3431
Delta R.T. -0.023 min
Lab File: VL041935.D
Acq: 21 Jan 2025 00:01

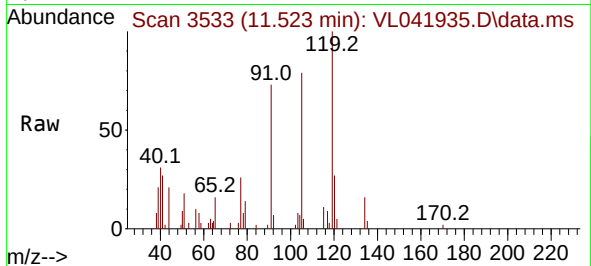
Tgt Ion:105	Resp:	2621
Ion	Ratio	Lower Upper
105	100	
120	31.2	35.4 53.2#



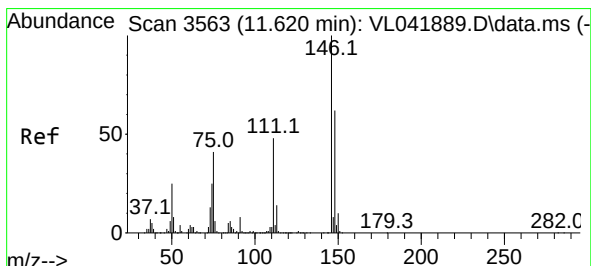
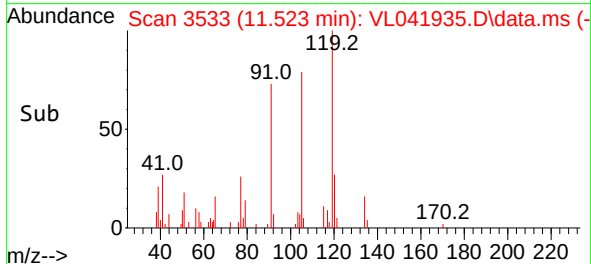
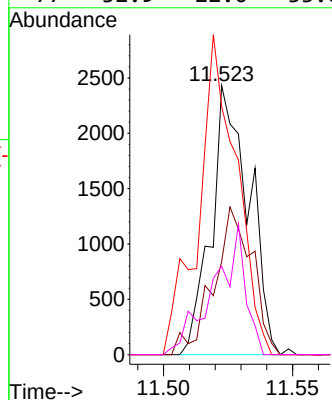


#74
1,2,4-Trimethylbenzene
Concen: 0.055 ppbv
RT: 11.523 min Scan# 3553
Delta R.T. -0.026 min
Lab File: VL041935.D
Acq: 21 Jan 2025 00:01

Instrument :
MSVOA_L
ClientSampleId :

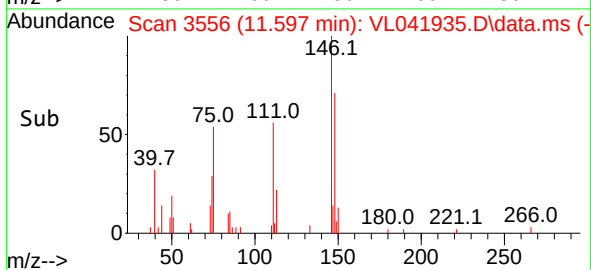
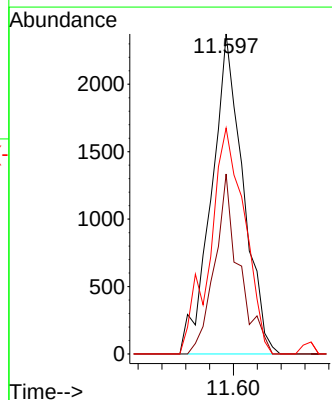
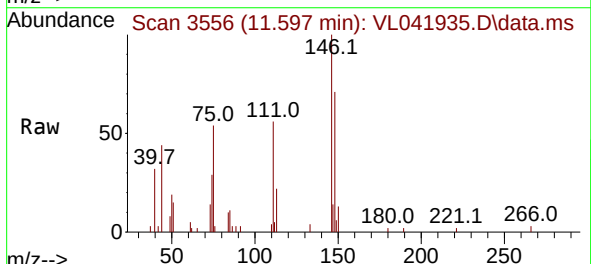


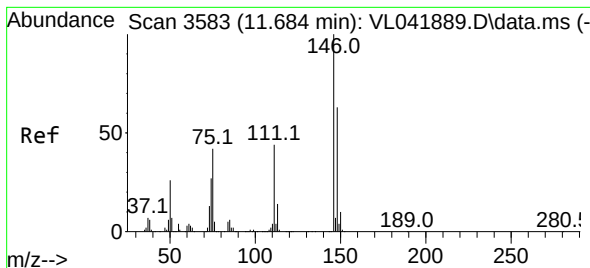
Tgt Ion:	105	Resp:	2460
Ion	Ratio	Lower	Upper
105	100		
120	34.5	41.4	62.2#
91	92.2	60.2	90.2#
77	32.9	22.0	33.0



#75
1,3-Dichlorobenzene
Concen: 0.083 ppbv
RT: 11.597 min Scan# 3556
Delta R.T. -0.023 min
Lab File: VL041935.D
Acq: 21 Jan 2025 00:01

Tgt Ion:	146	Resp:	2186
Ion	Ratio	Lower	Upper
146	100		
111	43.6	23.6	70.8
148	77.8	31.4	94.0





#76

1,4-Dichlorobenzene

Concen: 0.088 ppbv

RT: 11.665 min Scan# 3577

Delta R.T. -0.020 min

Lab File: VL041935.D

Acq: 21 Jan 2025 00:01

Instrument :

MSVOA_L

ClientSampleId :

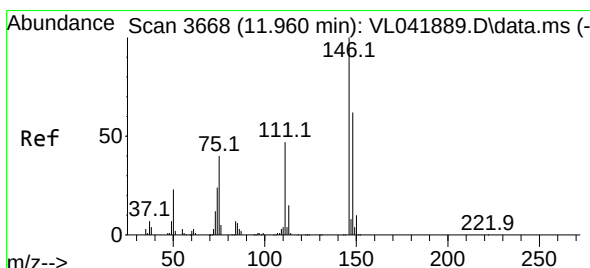
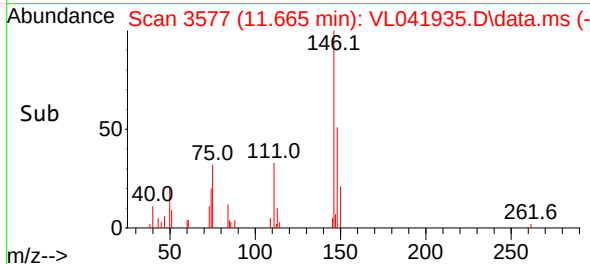
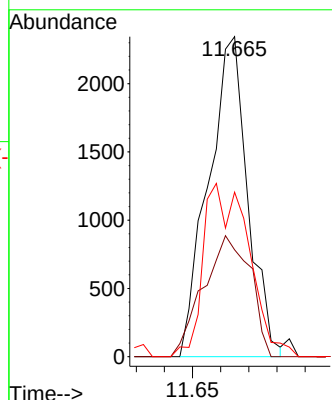
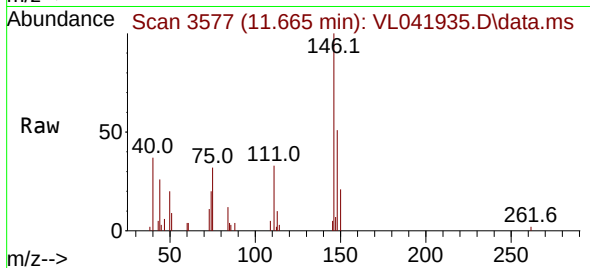
Tgt Ion:146 Resp: 2280

Ion Ratio Lower Upper

146 100

111 44.9 22.4 67.0

148 62.2 31.9 95.5



#77

1,2-Dichlorobenzene

Concen: 0.096 ppbv

RT: 11.937 min Scan# 3661

Delta R.T. -0.023 min

Lab File: VL041935.D

Acq: 21 Jan 2025 00:01

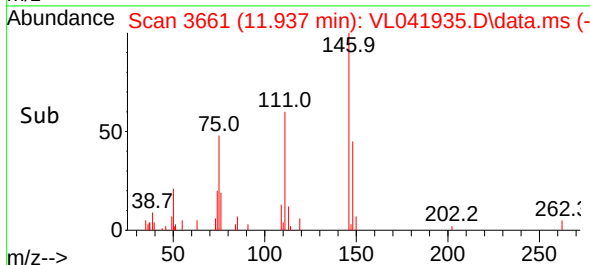
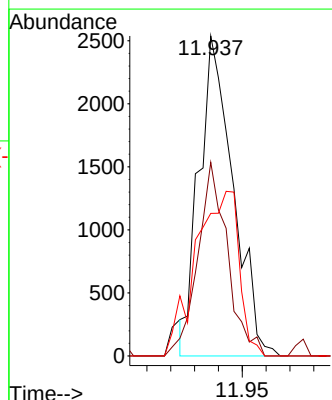
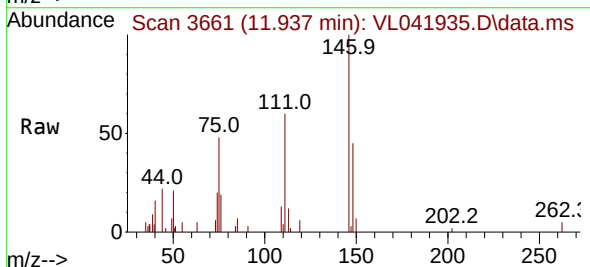
Tgt Ion:146 Resp: 2517

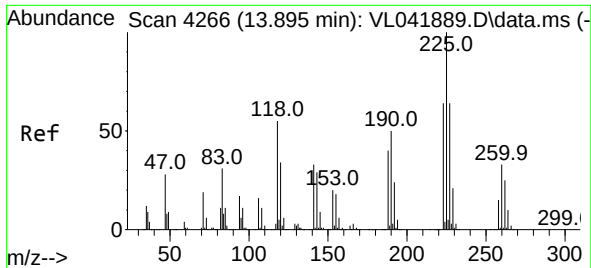
Ion Ratio Lower Upper

146 100

111 54.4 24.2 72.6

148 65.2 31.7 95.1

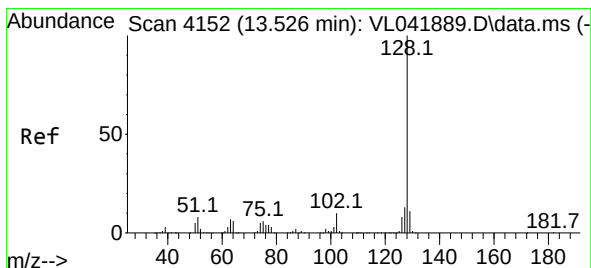
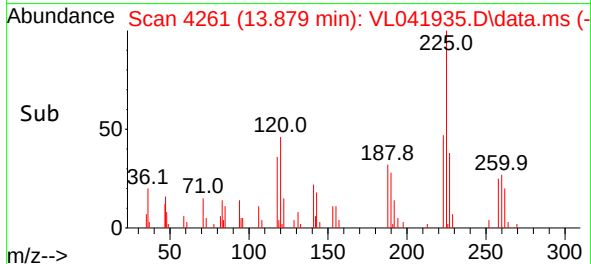
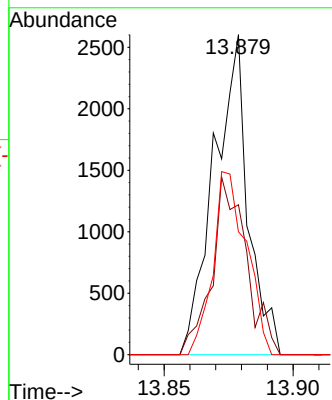
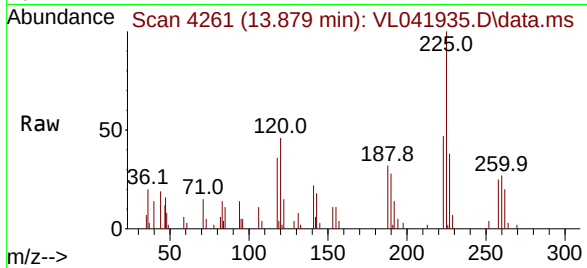




#78
Hexachloro-1,3-Butadiene
Concen: 0.111 ppbv
RT: 13.879 min Scan# 4145
Delta R.T. -0.016 min
Lab File: VL041935.D
Acq: 21 Jan 2025 00:01

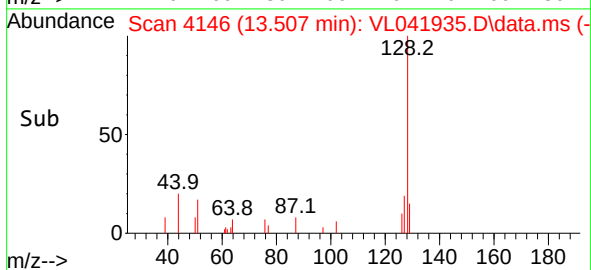
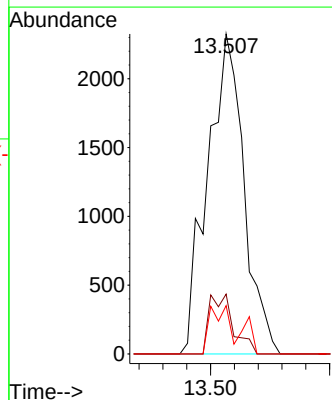
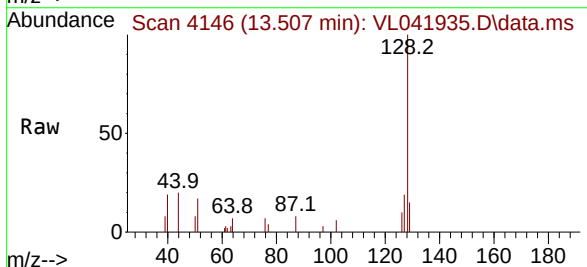
Instrument :
MSVOA_L
ClientSampleId :

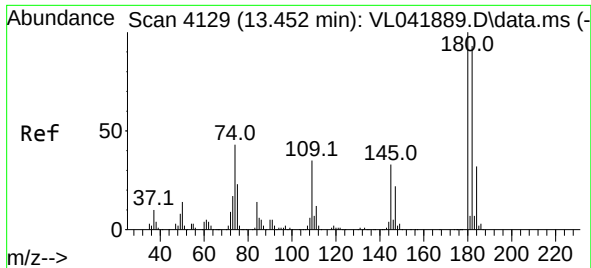
Tgt Ion:225 Resp: 2388
Ion Ratio Lower Upper
225 100
223 55.9 50.8 76.2
227 56.0 50.3 75.5



#79
Naphthalene
Concen: 0.055 ppbv
RT: 13.507 min Scan# 4146
Delta R.T. -0.020 min
Lab File: VL041935.D
Acq: 21 Jan 2025 00:01

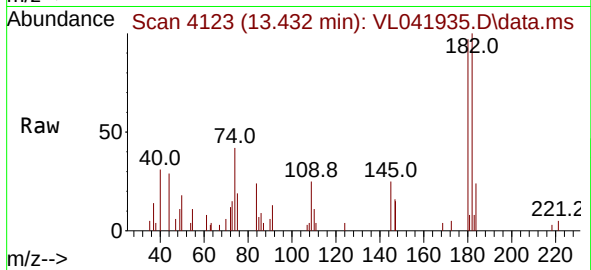
Tgt Ion:128 Resp: 2462
Ion Ratio Lower Upper
128 100
127 18.7 10.2 15.4#
129 15.1 9.1 13.7#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.068 ppbv
 RT: 13.432 min Scan# 41
 Delta R.T. -0.020 min
 Lab File: VL041935.D
 Acq: 21 Jan 2025 00:01

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion:180 Resp: 1482
 Ion Ratio Lower Upper
 180 100
 182 105.7 77.0 115.6
 184 36.4 24.9 37.3

