

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL093025\
 Data File : VL043020.D
 Acq On : 30 Sep 2025 10:12
 Operator : SY/MD
 Sample : VSTDIC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 30 23:56:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL093025AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 30 23:54:02 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	146750	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	467066	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	412312	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	314208	10.060	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	26757	1.054	ppbv	98
3) Chlorodifluoromethane	1.476	51	28093	1.039	ppbv	100
4) Chloromethane	1.534	50	10440	1.083	ppbv	96
5) Vinyl Chloride	1.580	62	8975	0.960	ppbv	98
6) Bromomethane	1.667	94	3455	1.023	ppbv #	68
7) Chloroethane	1.706	64	4001	1.072	ppbv	98
8) Dichlorotetrafluoroethane	1.554	85	21830	1.054	ppbv	99
9) Propene	1.483	41	11234	1.068	ppbv	99
10) Heptane	4.985	43	13542	0.499	ppbv #	27
11) Trichlorofluoromethane	1.878	101	27264	1.065	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.140	101	21379	1.054	ppbv	99
13) Ethanol	1.722	45	1822	1.327	ppbv	79
14) Bromoethene	1.784	108	7864	1.040	ppbv #	94
15) Acetone	1.835	43	22507	1.076	ppbv	97
16) 1,3-Butadiene	1.609	39	9344	1.055	ppbv	97
17) tert-Butyl alcohol	2.043	59	24181	1.034	ppbv	96
18) 1,1-Dichloroethene	2.036	96	9772	1.071	ppbv	97
19) Isopropyl Alcohol	1.887	45	13101	1.065	ppbv #	86
20) Methylene Chloride	2.062	84	14328	1.163	ppbv	97
21) Allyl Chloride	2.098	41	14338	1.013	ppbv	94
22) trans-1,2-Dichloroethene	2.340	96	10601	1.027	ppbv	86
23) Vinyl Acetate	2.463	43	24915	0.862	ppbv #	95
24) 1,1-Dichloroethane	2.412	63	20384	1.049	ppbv	97
25) Ethyl Acetate	2.836	43	57736	1.082	ppbv	99
26) Hexane	2.829	57	31198	1.124	ppbv	87
27) Carbon Disulfide	2.149	76	24969	1.023	ppbv #	42
28) Methyl tert-Butyl Ether	2.441	73	12672	0.932	ppbv	95
29) Chloroform	2.849	83	35818	1.037	ppbv	98
30) Cyclohexane	3.858	84	19501	1.020	ppbv	98
31) cis-1,2-Dichloroethene	2.719	61	22888	1.015	ppbv	99
32) 1,1,1-Trichloroethane	3.370	97	34623	0.989	ppbv	100
34) 2-Butanone	2.557	43	33074	1.006	ppbv	98
35) Carbon Tetrachloride	3.765	117	35487	0.936	ppbv	98
36) Benzene	3.658	78	46683	0.997	ppbv	98
37) 1,2-Dichloroethane	3.217	62	26709	0.999	ppbv	100
38) Trichloroethene	4.548	130	23375	0.974	ppbv	97
39) 1,2-Dichloropropane	4.315	63	17326	1.008	ppbv	91
40) 1,4-Dioxane	4.593	88	6639	0.911	ppbv #	81
41) Tetrahydrofuran	3.059	42	16682	0.953	ppbv	98
42) Bromodichloromethane	4.489	83	37418	1.007	ppbv	93
43) Methyl Methacrylate	4.881	69	15662	0.952	ppbv	98
44) 2,2,4-Trimethylpentane	4.642	57	77716	1.009	ppbv	99
45) t-1,3-Dichloropropene	6.419	75	17070	0.913	ppbv	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL093025\
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

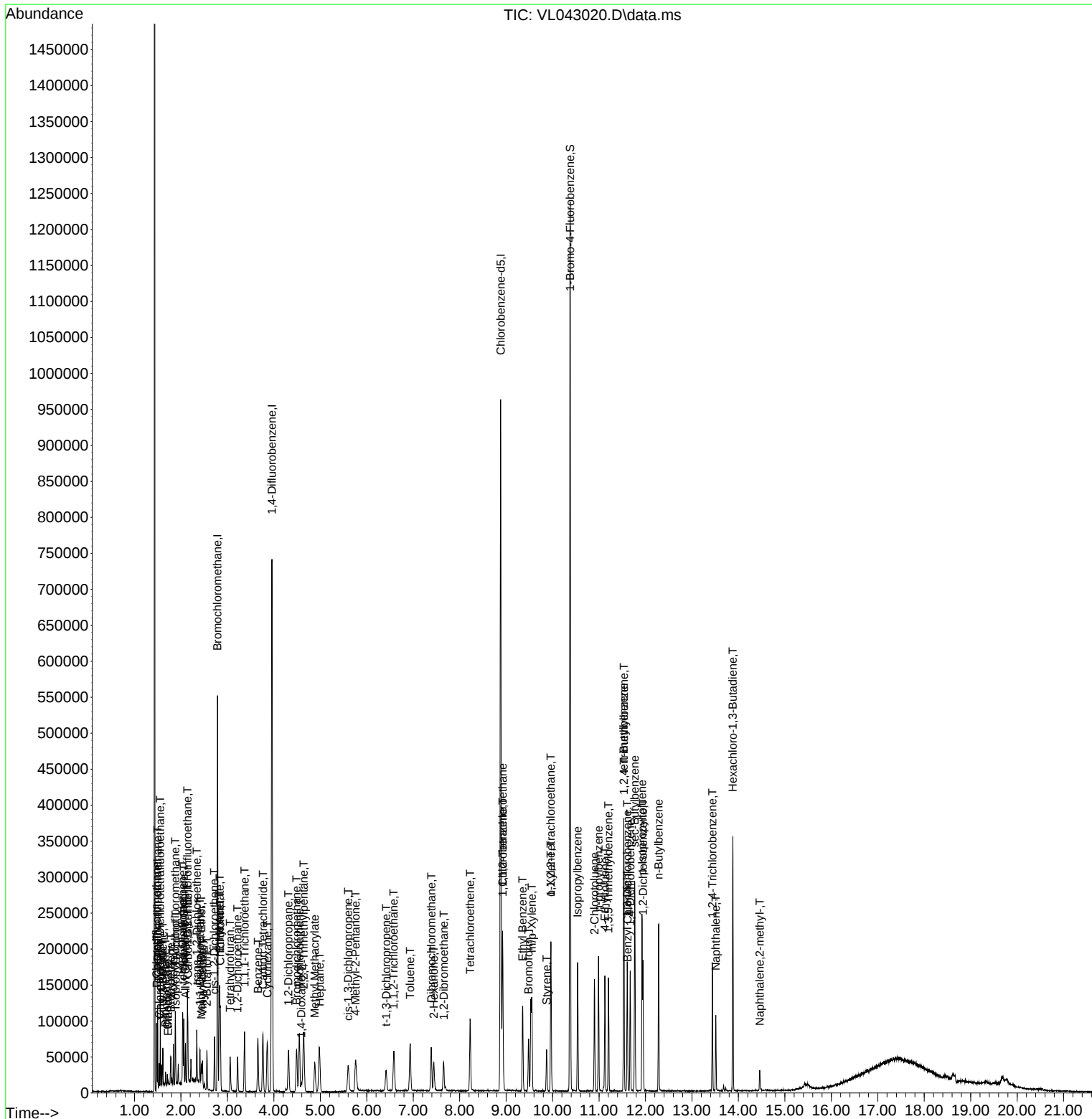
Instrument :
 MSVOA_L
 ClientSampleId :

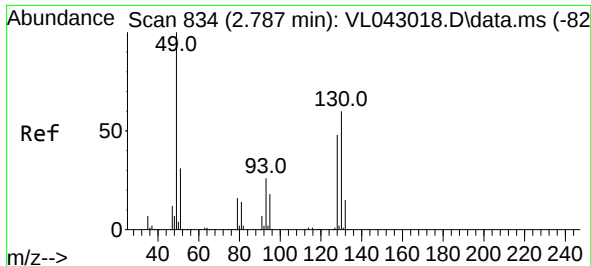
Quant Time: Sep 30 23:56:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL093025AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 30 23:54:02 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	15088	0.618	ppbv	97
47) 1,1,2-Trichloroethane	6.580	97	11500	0.631	ppbv	95
48) Dibromochloromethane	7.390	129	14650	0.466	ppbv #	11
49) Bromoform	9.484	173	25561	0.958	ppbv	99
50) 4-Methyl-2-Pentanone	5.761	43	39729	0.947	ppbv	97
51) 2-Hexanone	7.445	43	26169	0.846	ppbv #	97
52) Tetrachloroethene	8.225	164	18311	0.981	ppbv	97
53) Toluene	6.936	91	50386	0.965	ppbv	98
54) 1,2-Dibromoethane	7.658	107	12568	0.494	ppbv	90
56) 1,1,1,2-Tetrachloroethane	8.927	131	24344	1.042	ppbv	97
57) Chlorobenzene	8.924	112	44607	1.049	ppbv #	95
58) Ethyl Benzene	9.354	91	66643	0.954	ppbv	99
59) m/p-Xylene	9.552	91	53099	0.944	ppbv #	27
60) o-Xylene	9.963	91	54145	0.969	ppbv	100
61) Styrene	9.872	104	21591	0.913	ppbv	98
62) Isopropylbenzene	10.539	105	82087	0.986	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.963	83	31513	1.051	ppbv	99
64) n-propylbenzene	10.989	120	20727	0.956	ppbv	92
65) tert-Butylbenzene	11.532	119	74920	0.994	ppbv	99
66) Benzyl Chloride	11.613	91	5045	0.839	ppbv #	97
67) sec-Butylbenzene	11.765	105	105012	0.999	ppbv	100
69) p-Isopropyltoluene	11.927	119	86978	0.994	ppbv	99
70) n-Butylbenzene	12.283	91	81356	0.962	ppbv	98
71) 2-Chlorotoluene	10.901	91	60194	0.970	ppbv	100
72) 4-Ethyltoluene	11.125	105	65710	0.956	ppbv	98
73) 1,3,5-Trimethylbenzene	11.202	105	56639	0.977	ppbv	99
74) 1,2,4-Trimethylbenzene	11.536	105	66257	1.013	ppbv	94
75) 1,3-Dichlorobenzene	11.607	146	42796	1.024	ppbv	98
76) 1,4-Dichlorobenzene	11.672	146	40651	0.995	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	42607	1.044	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	35162	1.077	ppbv	99
79) Naphthalene	13.513	128	49819	0.965	ppbv	98
80) Naphthalene,2-methyl-	14.458	142	9235	0.691	ppbv	95
81) 1,2,4-Trichlorobenzene	13.439	180	28977	0.926	ppbv	99

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

Quant Time: Sep 30 23:56:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL093025AIR.M
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QLast Update : Tue Sep 30 23:54:02 2025
Response via : Initial Calibration

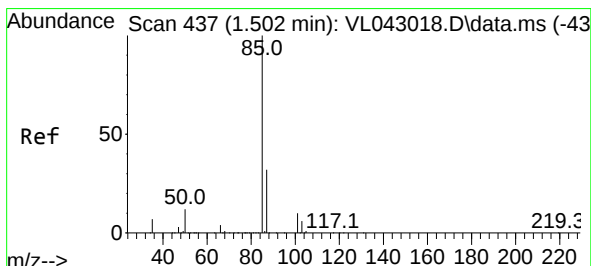
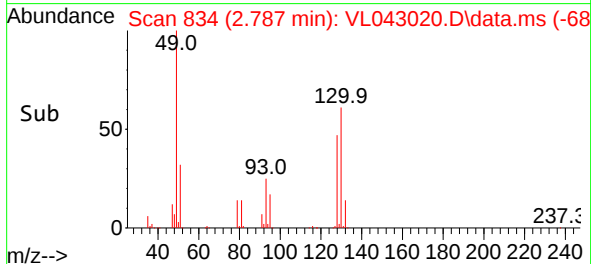
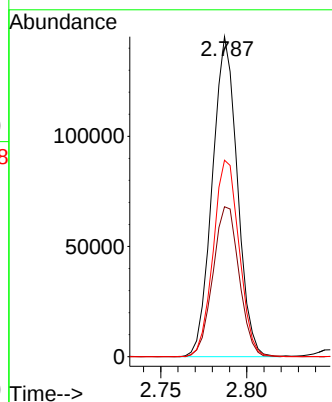
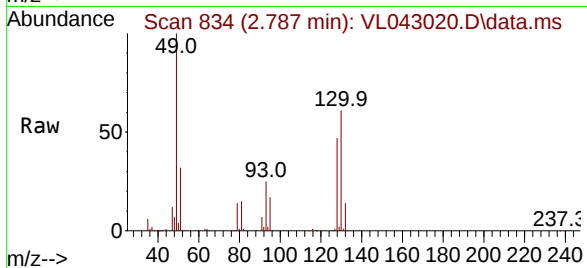




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

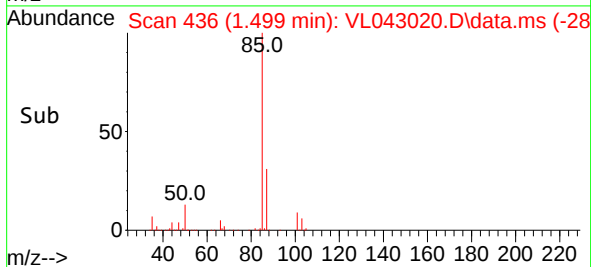
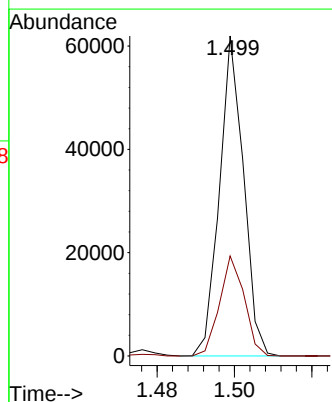
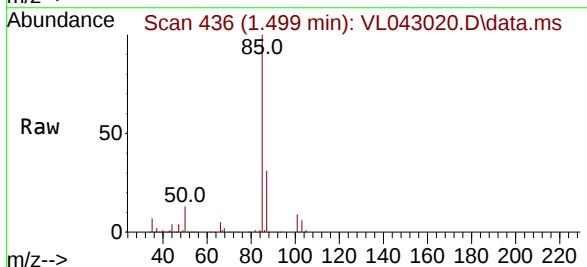
Instrument :
MSVOA_L
ClientSampleId :

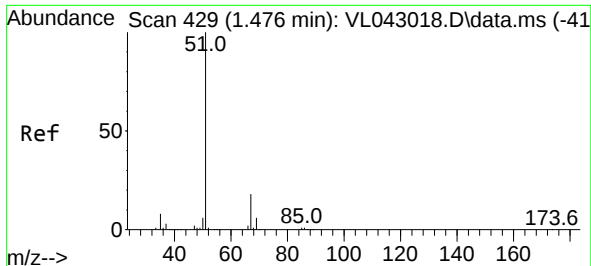
Tgt Ion: 49 Resp: 146750
Ion Ratio Lower Upper
49 100
128 49.2 25.2 75.6
130 63.6 31.6 94.7



#2
Dichlorodifluoromethane
Concen: 1.054 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.003 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

Tgt Ion: 85 Resp: 26757
Ion Ratio Lower Upper
85 100
87 31.3 25.8 38.6

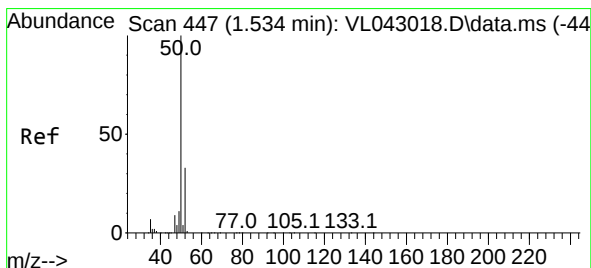
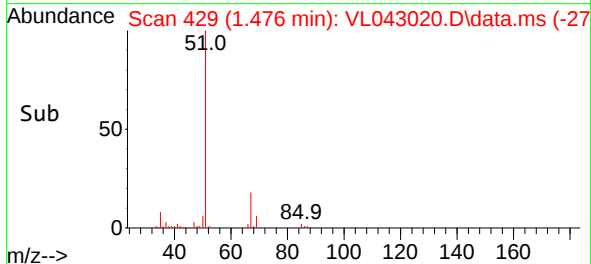
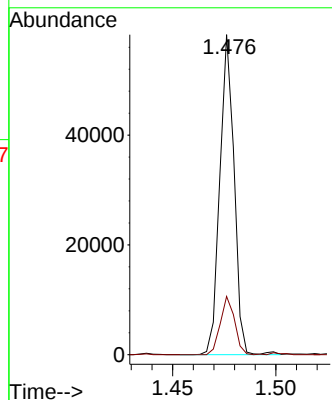
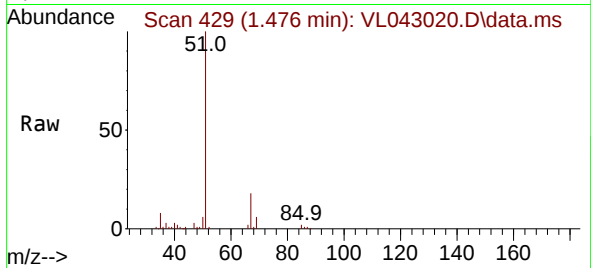




#3
Chlorodifluoromethane
Concen: 1.039 ppbv
RT: 1.476 min Scan# 429
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

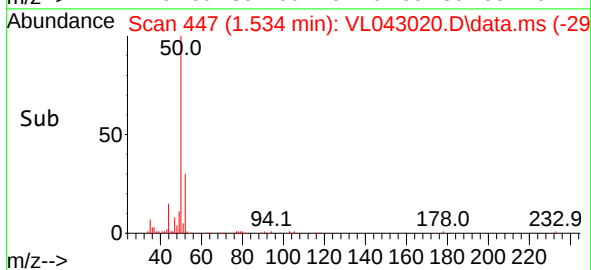
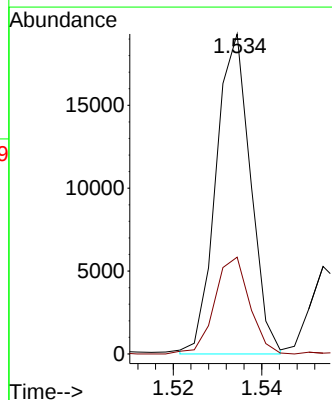
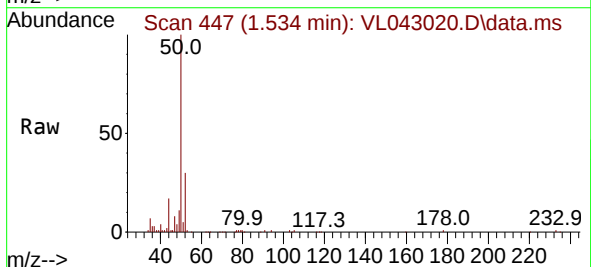
Instrument :
MSVOA_L
ClientSampleId :

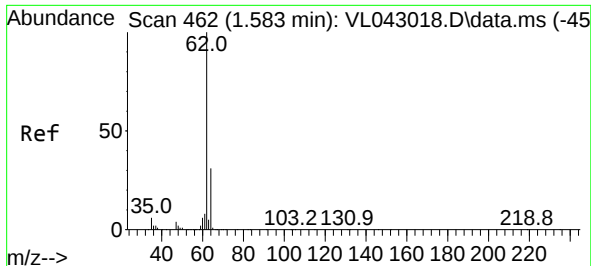
Tgt Ion: 51 Resp: 28093
Ion Ratio Lower Upper
51 100
67 18.7 15.1 22.7



#4
Chloromethane
Concen: 1.083 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

Tgt Ion: 50 Resp: 10440
Ion Ratio Lower Upper
50 100
52 30.3 26.0 39.0

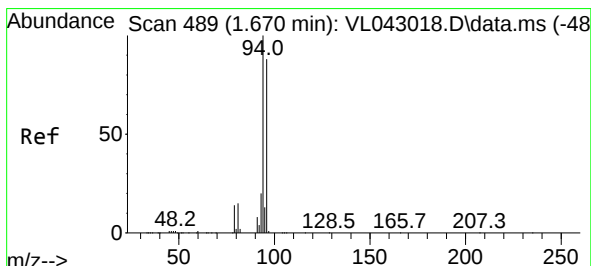
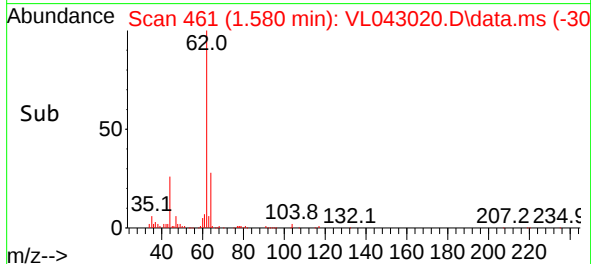
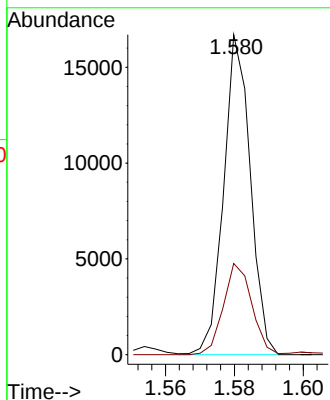
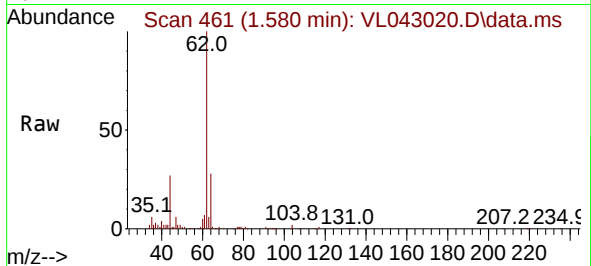




#5
 Vinyl Chloride
 Concen: 0.960 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.003 min
 Lab File: VL043020.D
 Acq: 30 Sep 2025 10:12

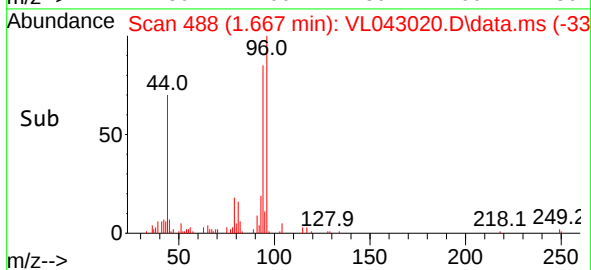
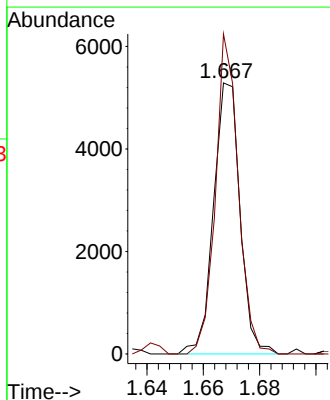
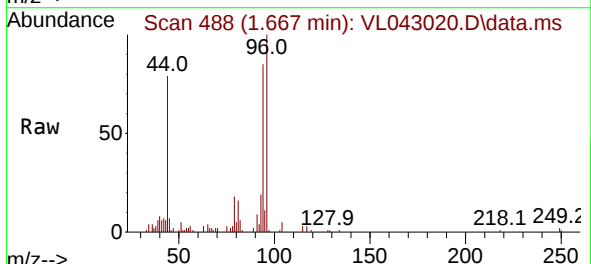
Instrument :
 MSVOA_L
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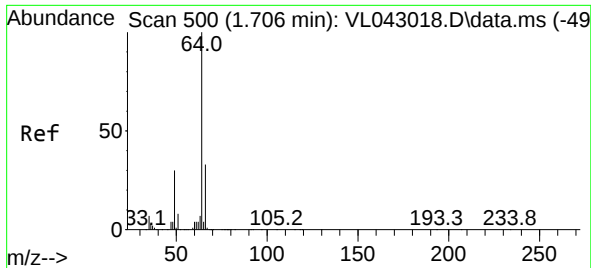
Tgt Ion: 62 Resp: 8975
 Ion Ratio Lower Upper
 62 100
 64 29.6 24.6 37.0



#6
 Bromomethane
 Concen: 1.023 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.003 min
 Lab File: VL043020.D
 Acq: 30 Sep 2025 10:12

Tgt Ion: 94 Resp: 3455
 Ion Ratio Lower Upper
 94 100
 96 118.1 70.5 105.7#

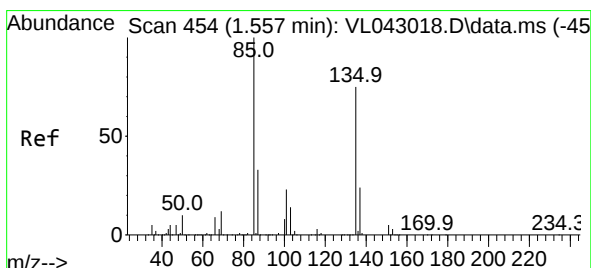
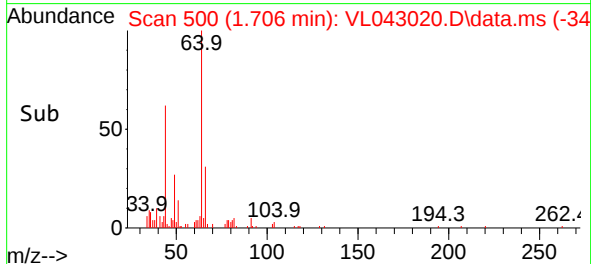
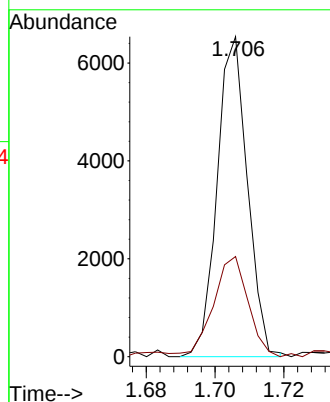
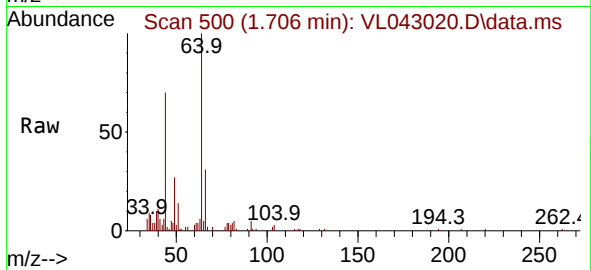




#7
Chloroethane
Concen: 1.072 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

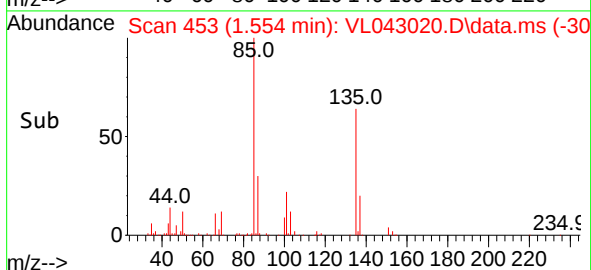
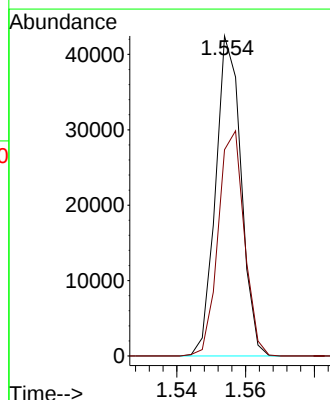
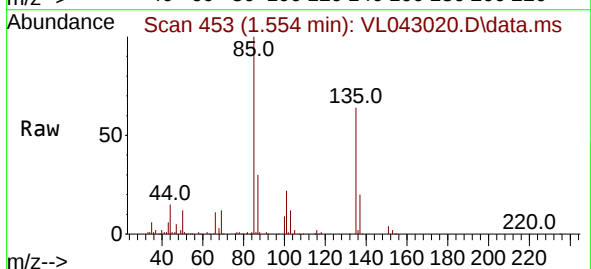
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MSVOA_L
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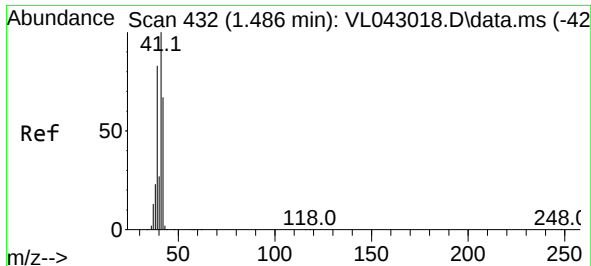
Tgt Ion: 64 Resp: 4001
Ion Ratio Lower Upper
64 100
66 31.3 26.0 39.0



#8
Dichlorotetrafluoroethane
Concen: 1.054 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.003 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

Tgt Ion: 85 Resp: 21830
Ion Ratio Lower Upper
85 100
135 72.2 57.4 86.0





#9

Propene

Concen: 1.068 ppbv

RT: 1.483 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL043020.D

Acq: 30 Sep 2025 10:12

Instrument :

MSVOA_L

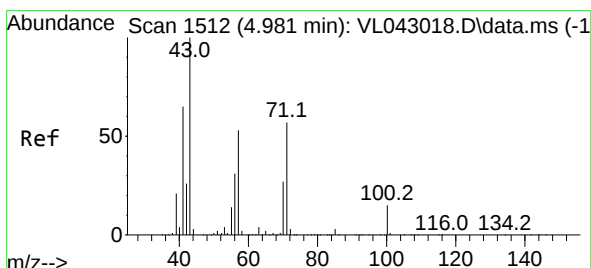
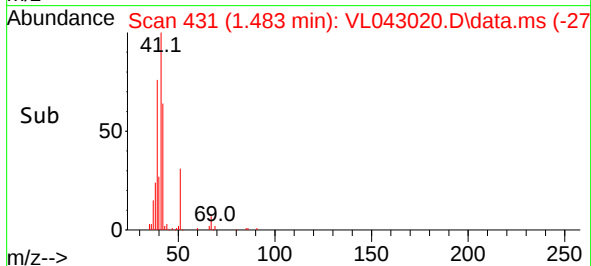
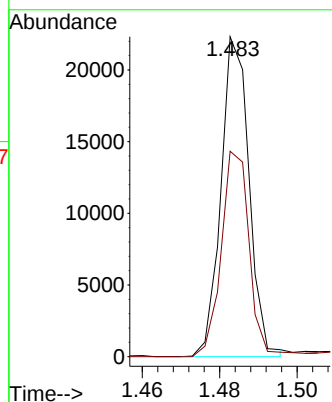
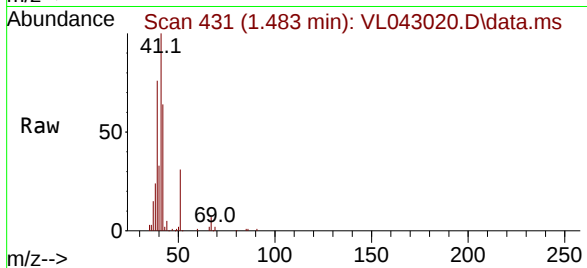
ClientSampleId :

Tgt Ion: 41 Resp: 11234

Ion Ratio Lower Upper

41 100

42 66.8 54.2 81.2



#10

Heptane

Concen: 0.499 ppbv

RT: 4.985 min Scan# 1513

Delta R.T. 0.003 min

Lab File: VL043020.D

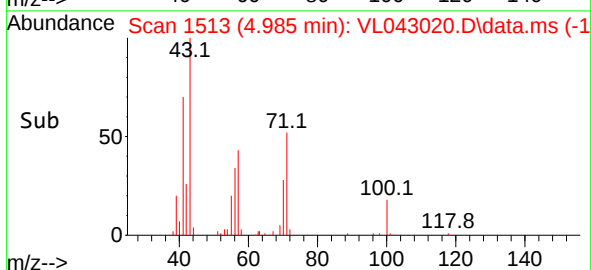
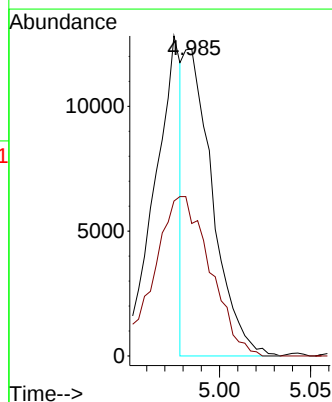
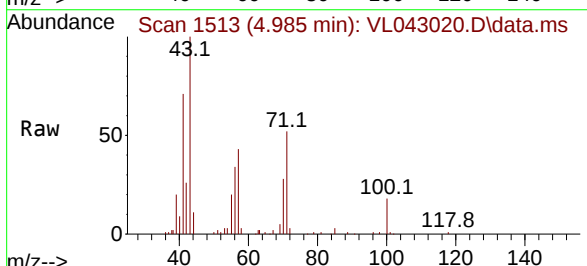
Acq: 30 Sep 2025 10:12

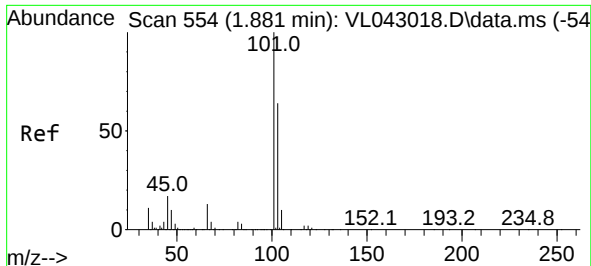
Tgt Ion: 43 Resp: 13542

Ion Ratio Lower Upper

43 100

57 101.0 40.5 60.7#

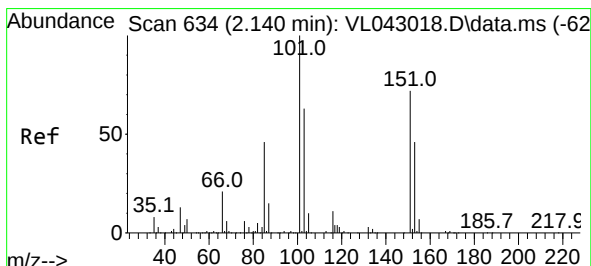
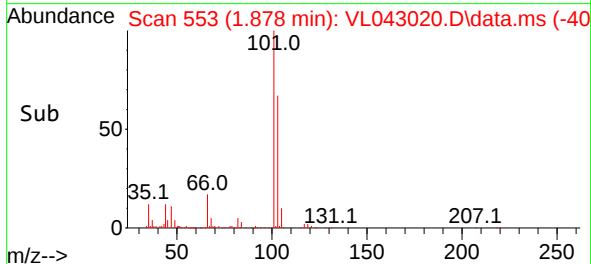
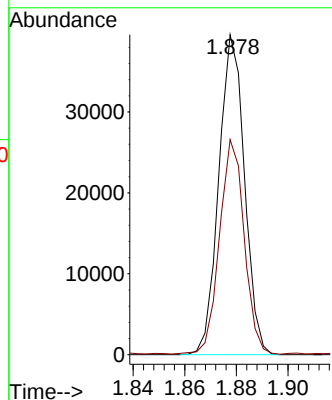
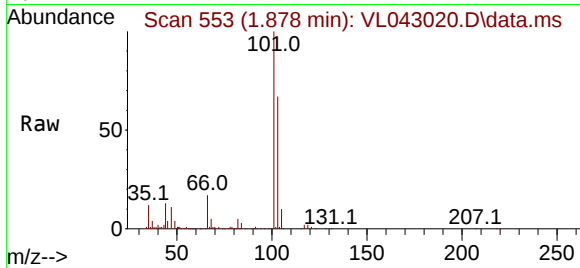




#11
 Trichlorofluoromethane
 Concen: 1.065 ppbv
 RT: 1.878 min Scan# 511
 Delta R.T. -0.003 min
 Lab File: VL043020.D
 Acq: 30 Sep 2025 10:12

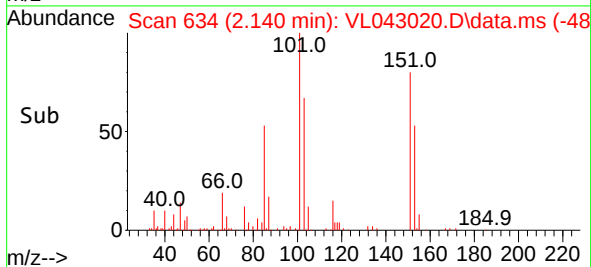
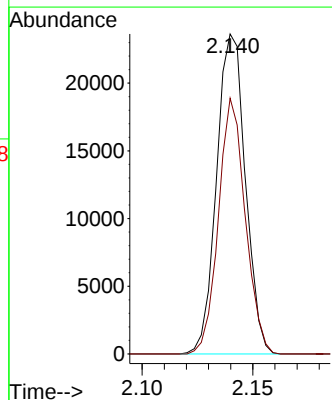
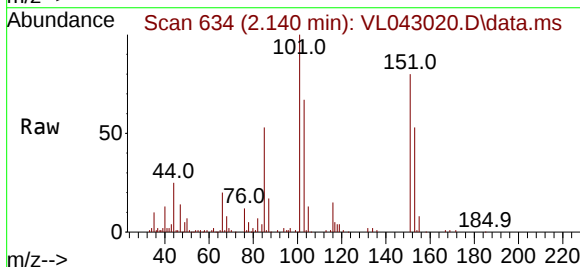
Instrument :
 MSVOA_L
 ClientSampleId :

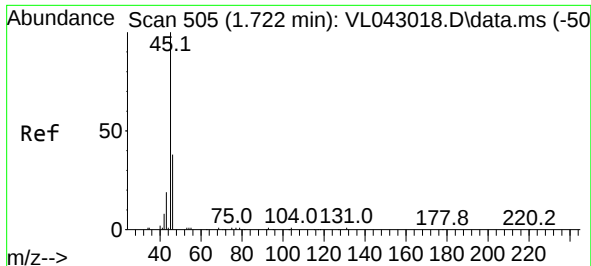
Tgt Ion:101 Resp: 27264
 Ion Ratio Lower Upper
 101 100
 103 67.0 51.4 77.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.054 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. 0.000 min
 Lab File: VL043020.D
 Acq: 30 Sep 2025 10:12

Tgt Ion:101 Resp: 21379
 Ion Ratio Lower Upper
 101 100
 151 74.5 60.2 90.4

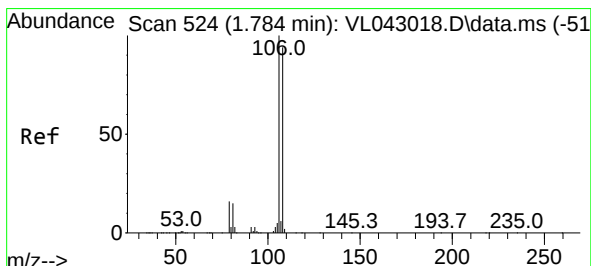
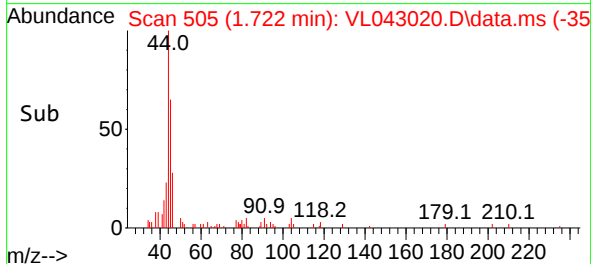
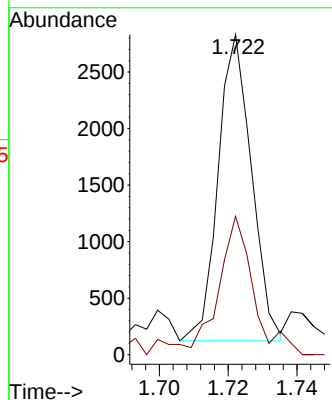
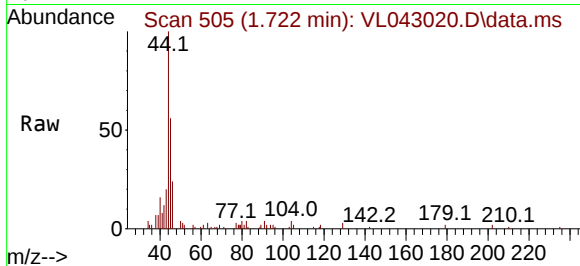




#13
Ethanol
Concen: 1.327 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

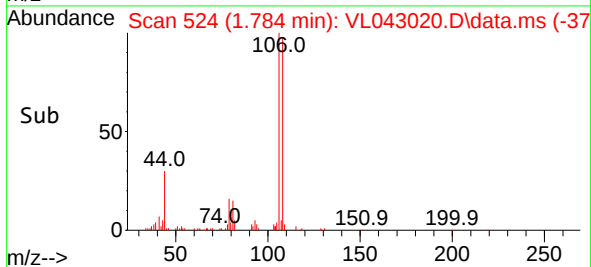
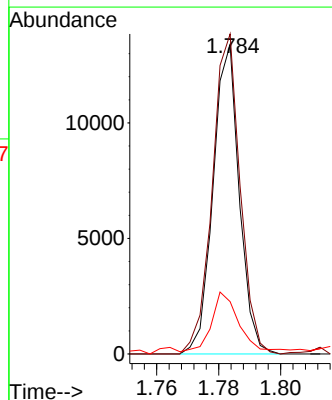
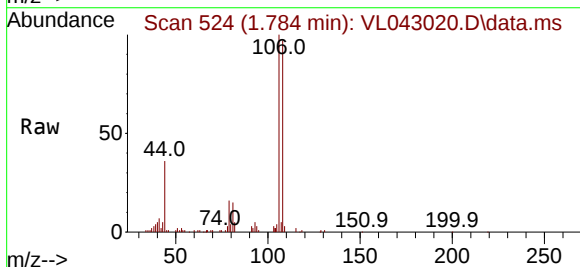
Instrument :
MSVOA_L
ClientSampleId :

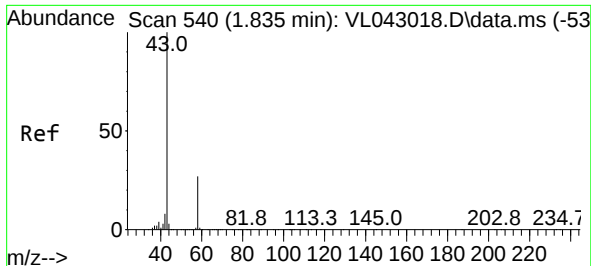
Tgt Ion: 45 Resp: 1822
Ion Ratio Lower Upper
45 100
46 53.8 16.2 64.8



#14
Bromoethene
Concen: 1.040 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

Tgt Ion: 108 Resp: 7864
Ion Ratio Lower Upper
108 100
106 111.1 85.4 128.0
79 24.7 13.8 20.8#

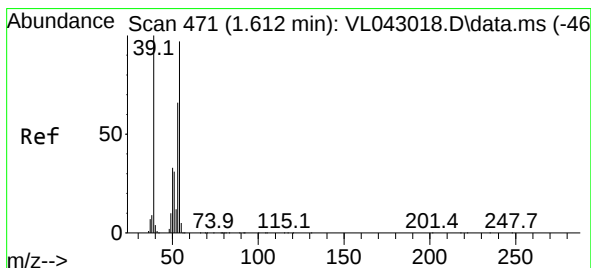
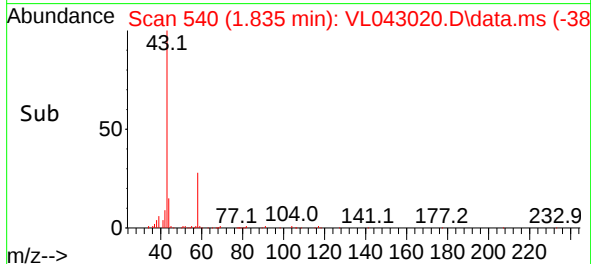
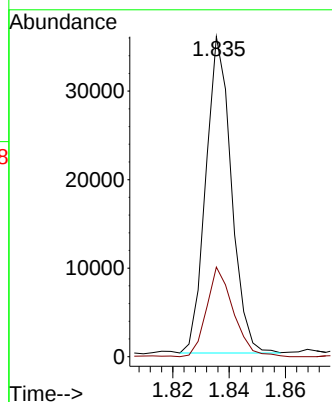
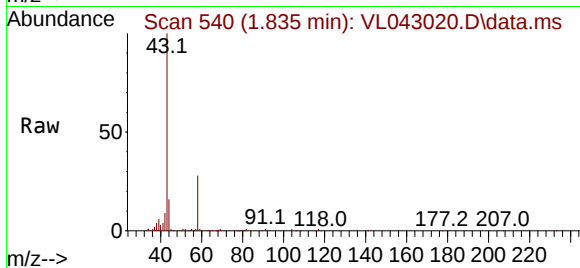




#15
Acetone
Concen: 1.076 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

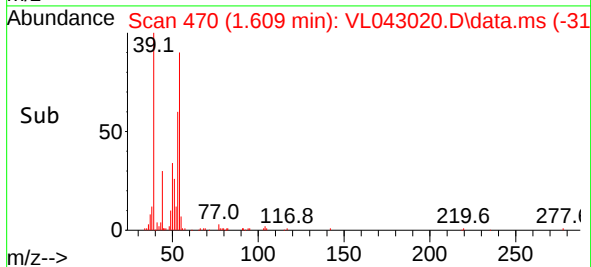
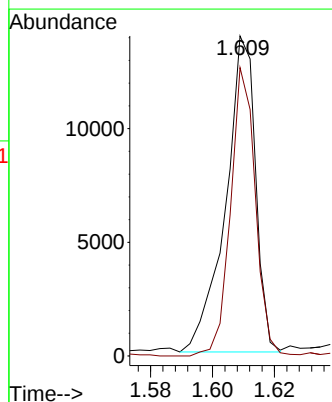
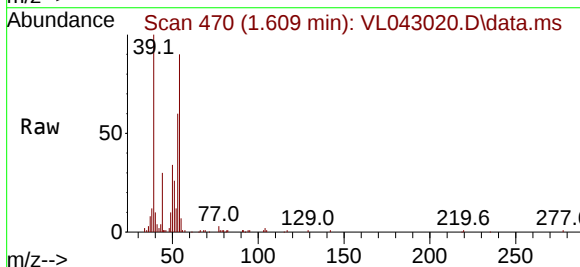
Instrument :
MSVOA_L
ClientSampleId :

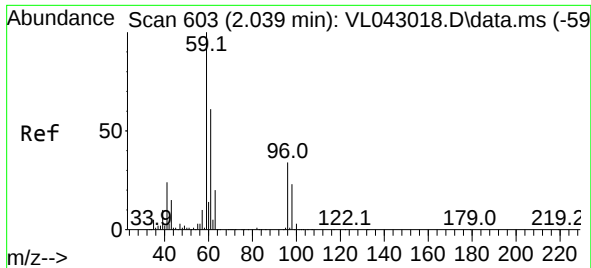
Tgt Ion: 43 Resp: 22507
Ion Ratio Lower Upper
43 100
58 30.1 22.8 34.2



#16
1,3-Butadiene
Concen: 1.055 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.003 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

Tgt Ion: 39 Resp: 9344
Ion Ratio Lower Upper
39 100
54 79.2 65.4 98.2





#17

tert-Butyl alcohol

Concen: 1.034 ppbv

RT: 2.043 min Scan# 603

Delta R.T. 0.003 min

Lab File: VL043020.D

Acq: 30 Sep 2025 10:12

Instrument :

MSVOA_L

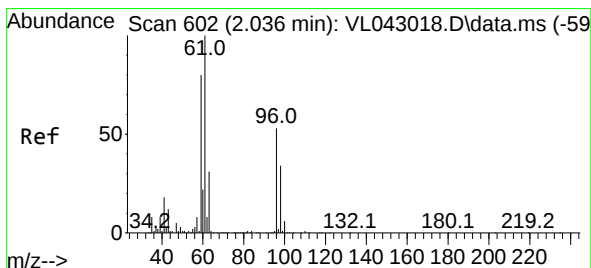
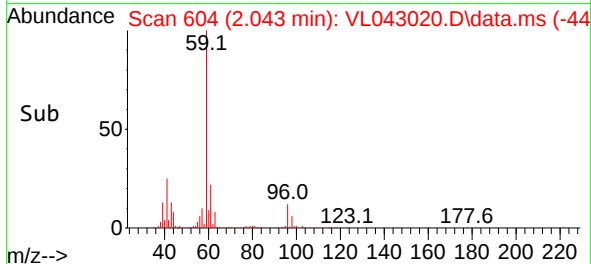
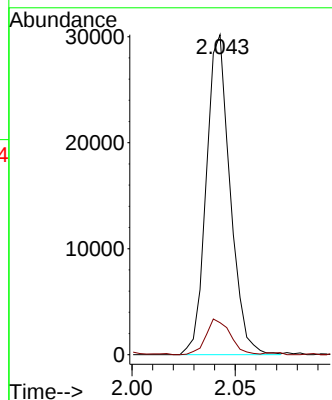
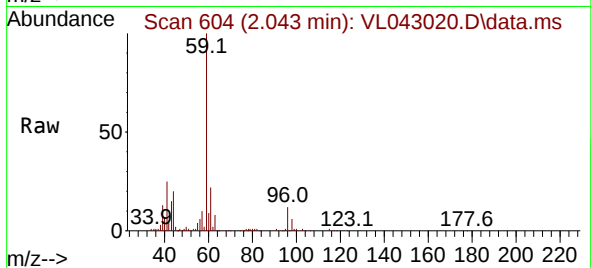
ClientSampleId :

Tgt Ion: 59 Resp: 24181

Ion Ratio Lower Upper

59 100

57 12.2 8.4 12.6



#18

1,1-Dichloroethene

Concen: 1.071 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.000 min

Lab File: VL043020.D

Acq: 30 Sep 2025 10:12

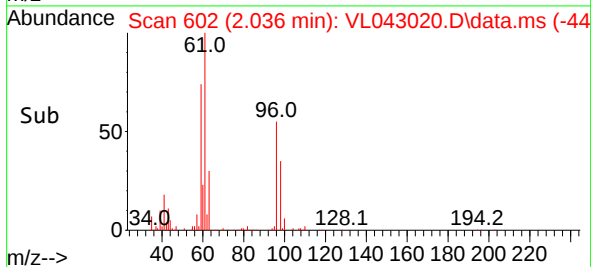
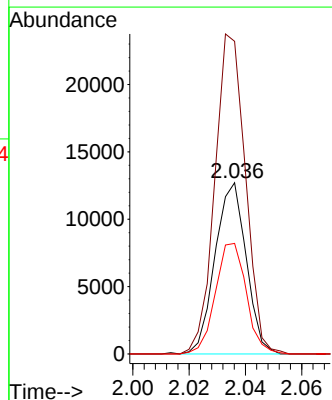
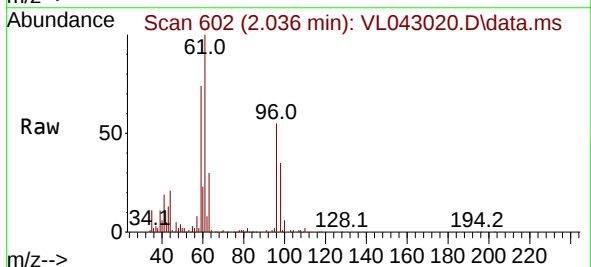
Tgt Ion: 96 Resp: 9772

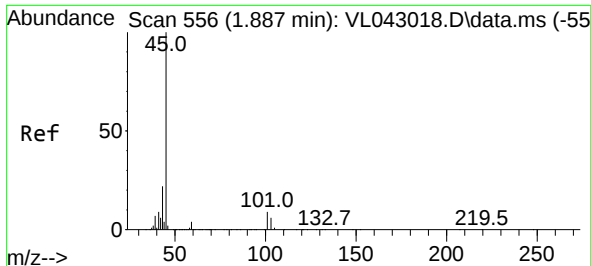
Ion Ratio Lower Upper

96 100

61 182.6 151.4 227.0

98 64.6 51.5 77.3





#19

Isopropyl Alcohol

Concen: 1.065 ppbv

RT: 1.887 min Scan# 51

Delta R.T. 0.000 min

Lab File: VL043020.D

Acq: 30 Sep 2025 10:12

Instrument :

MSVOA_L

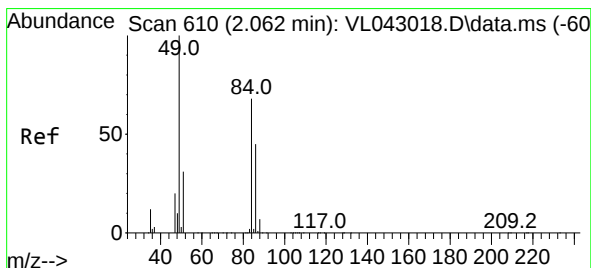
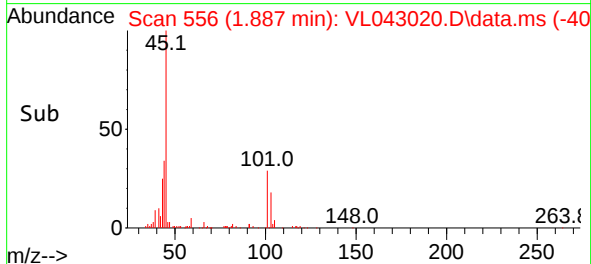
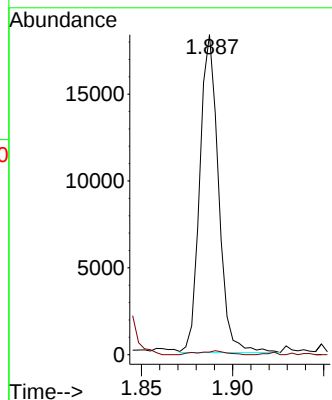
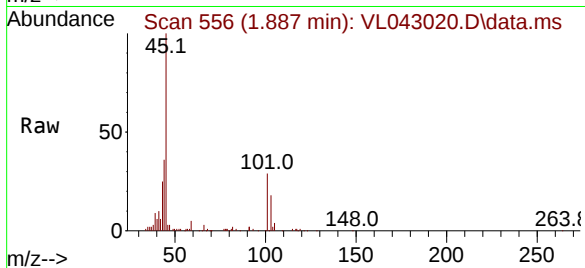
ClientSampleId :

Tgt Ion: 45 Resp: 13101

Ion Ratio Lower Upper

45 100

58 51.5 33.9 50.9#



#20

Methylene Chloride

Concen: 1.163 ppbv

RT: 2.062 min Scan# 610

Delta R.T. 0.000 min

Lab File: VL043020.D

Acq: 30 Sep 2025 10:12

Tgt Ion: 84 Resp: 14328

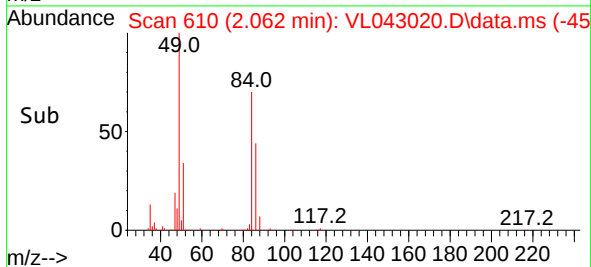
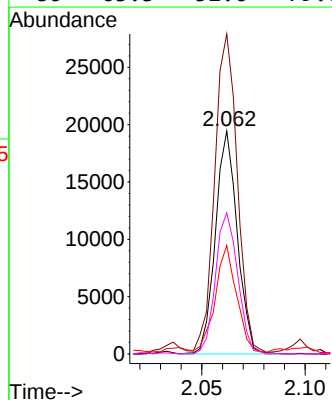
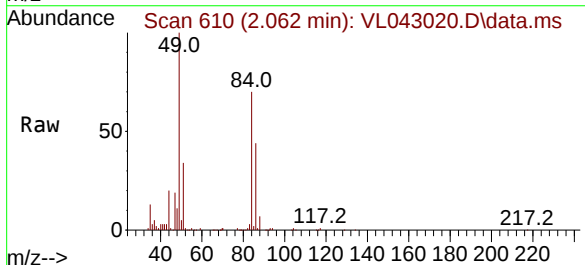
Ion Ratio Lower Upper

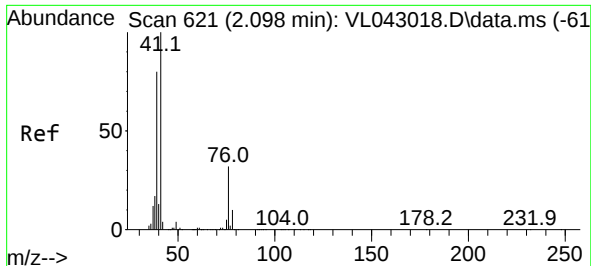
84 100

49 142.2 117.4 176.2

51 46.3 37.4 56.0

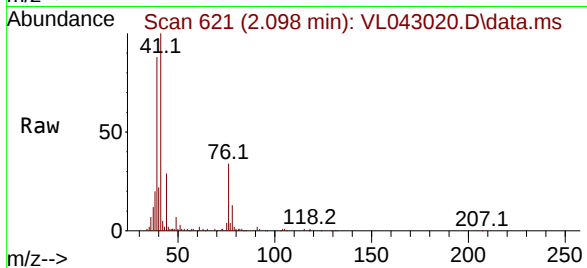
86 63.3 52.6 79.0



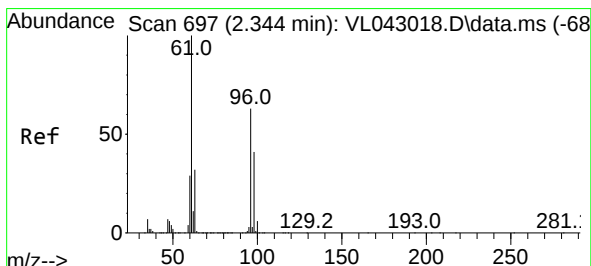
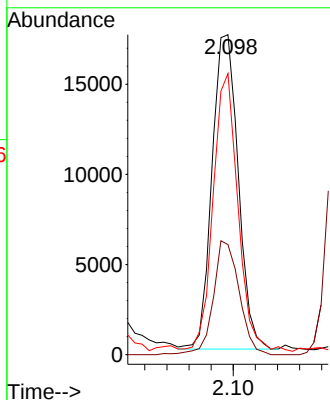
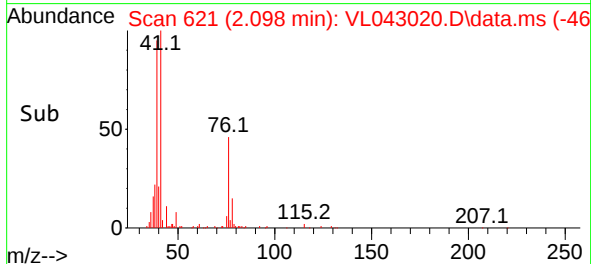


#21
 Allyl Chloride
 Concen: 1.013 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL043020.D
 Acq: 30 Sep 2025 10:12

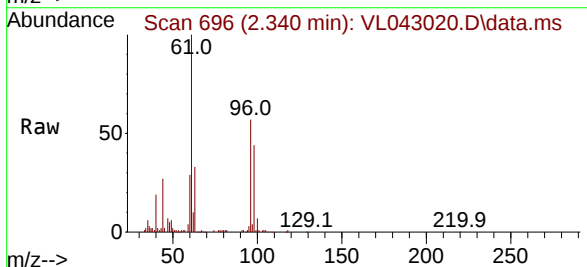
Instrument :
 MSVOA_L
 ClientSampleId :



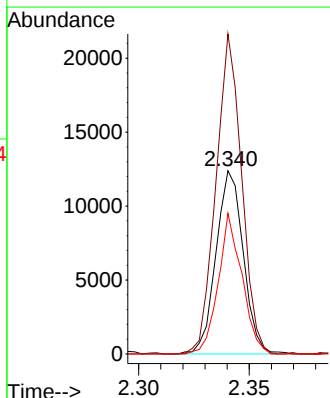
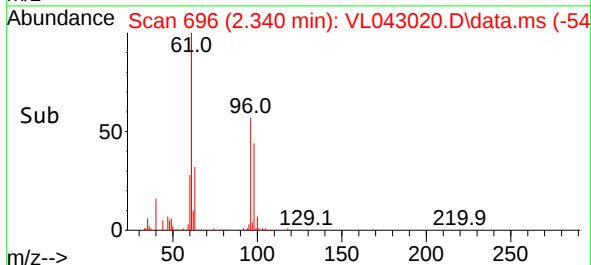
Tgt Ion: 41 Resp: 14338
 Ion Ratio Lower Upper
 41 100
 76 35.8 25.6 38.4
 39 82.7 62.6 94.0

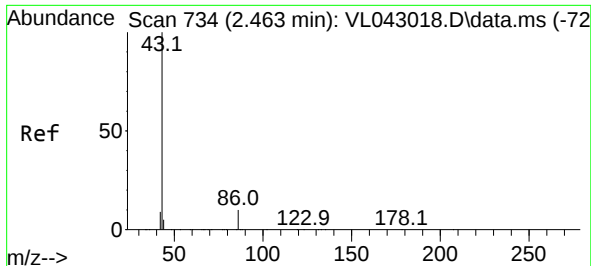


#22
 trans-1,2-Dichloroethene
 Concen: 1.027 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. -0.003 min
 Lab File: VL043020.D
 Acq: 30 Sep 2025 10:12



Tgt Ion: 96 Resp: 10601
 Ion Ratio Lower Upper
 96 100
 61 174.7 126.1 189.1
 98 76.8 51.3 76.9

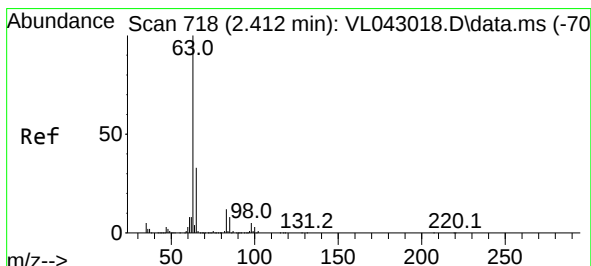
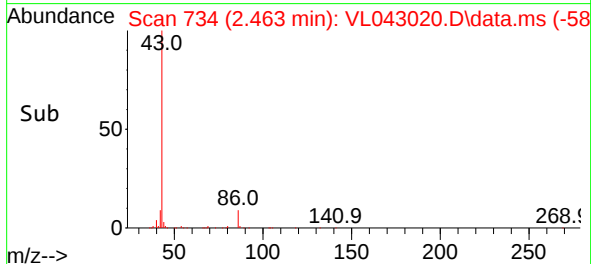
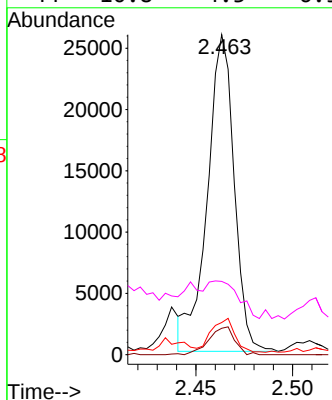
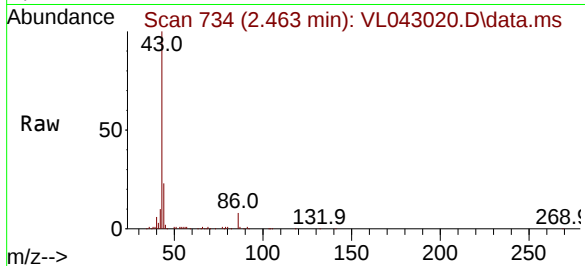




#23
 Vinyl Acetate
 Concen: 0.862 ppbv
 RT: 2.463 min Scan# 718
 Delta R.T. 0.000 min
 Lab File: VL043020.D
 Acq: 30 Sep 2025 10:12

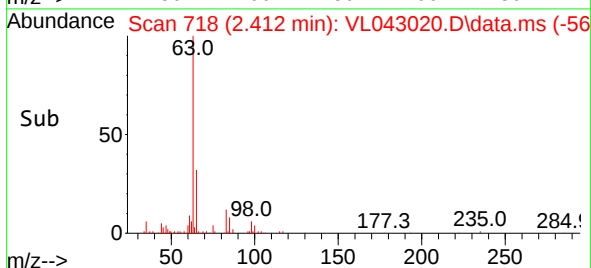
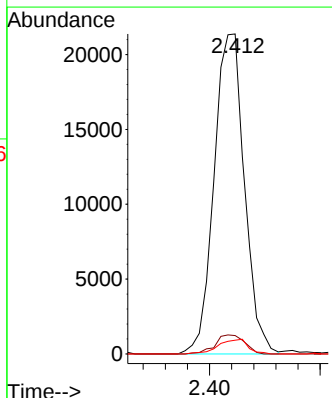
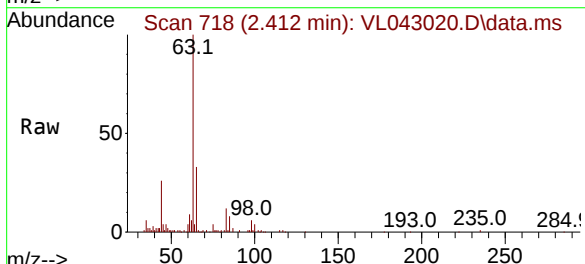
Instrument :
 MSVOA_L
 ClientSampleId :

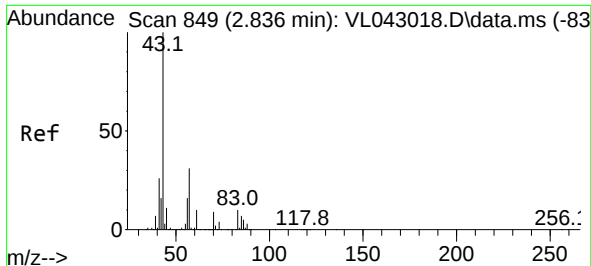
Tgt Ion:	43	Resp:	24915
Ion	Ratio	Lower	Upper
43	100		
86	8.4	7.1	10.7
42	9.4	7.9	11.9
44	10.8	4.3	6.5



#24
 1,1-Dichloroethane
 Concen: 1.049 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. 0.000 min
 Lab File: VL043020.D
 Acq: 30 Sep 2025 10:12

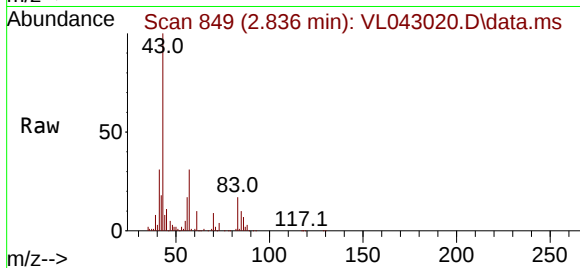
Tgt Ion:	63	Resp:	20384
Ion	Ratio	Lower	Upper
63	100		
98	5.8	2.4	7.2
100	4.3	1.6	4.8



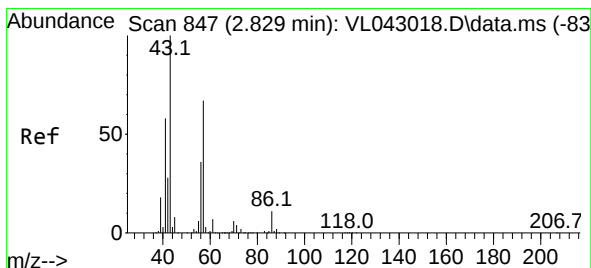
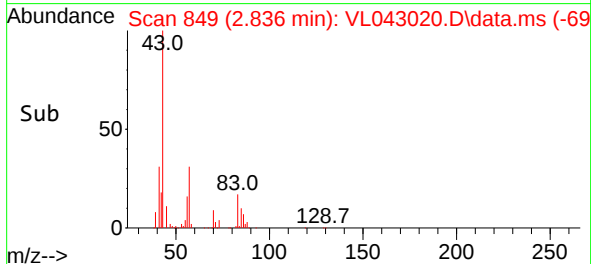
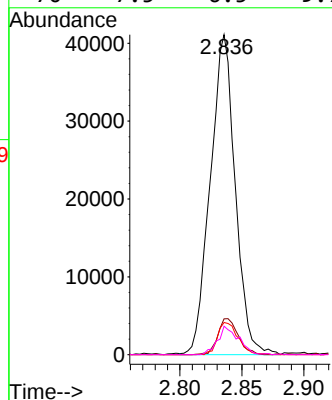


#25
Ethyl Acetate
Concen: 1.082 ppbv
RT: 2.836 min Scan# 849
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

Instrument :
MSVOA_L
ClientSampleId :

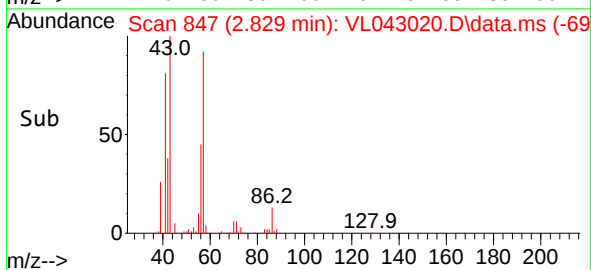
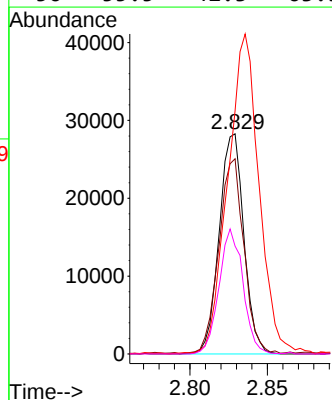
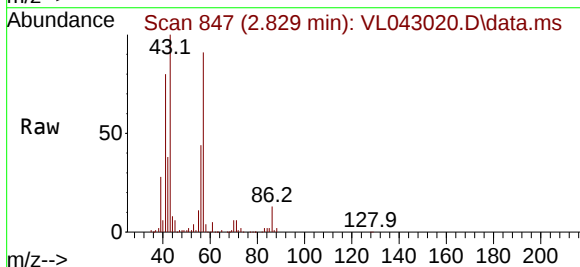


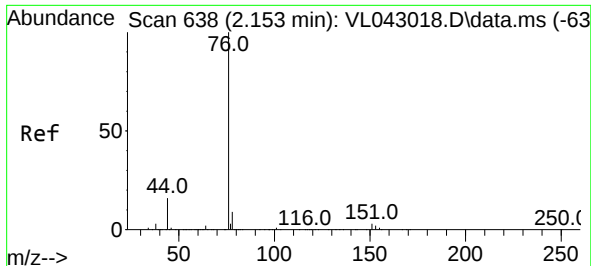
Tgt Ion: 43	Resp: 57736
Ion Ratio	Lower Upper
43 100	
45 9.3	7.8 11.6
61 8.3	7.0 10.4
70 7.5	6.5 9.7



#26
Hexane
Concen: 1.124 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

Tgt Ion: 57	Resp: 31198
Ion Ratio	Lower Upper
57 100	
41 93.6	70.3 105.5
43 186.6	172.1 258.1
56 55.5	42.3 63.5





#27

Carbon Disulfide

Concen: 1.023 ppbv

RT: 2.149 min Scan# 61

Delta R.T. -0.003 min

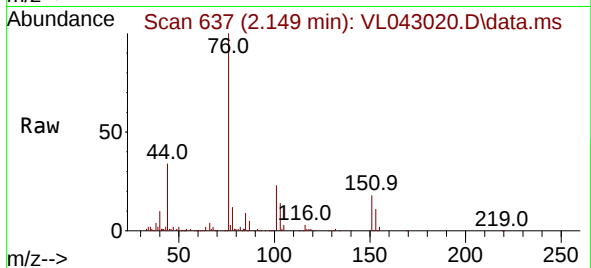
Lab File: VL043020.D

Acq: 30 Sep 2025 10:12

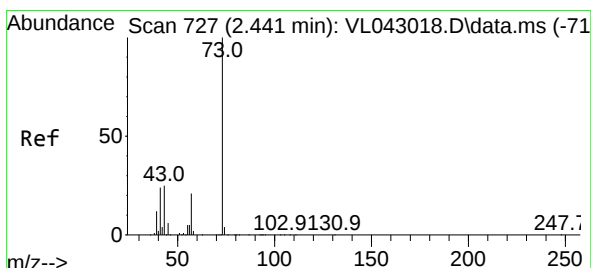
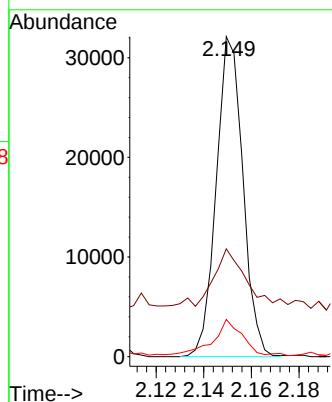
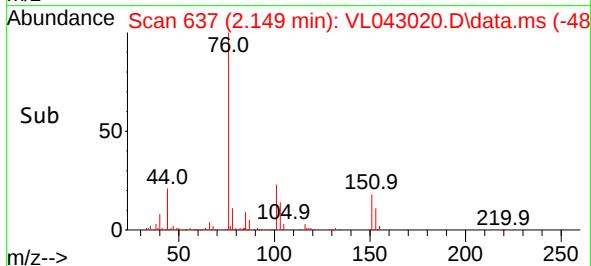
Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:	76	Resp:	24969
Ion	Ratio	Lower	Upper
76	100		
44	59.1	14.6	21.8#
78	13.7	9.4	14.2



#28

Methyl tert-Butyl Ether

Concen: 0.932 ppbv

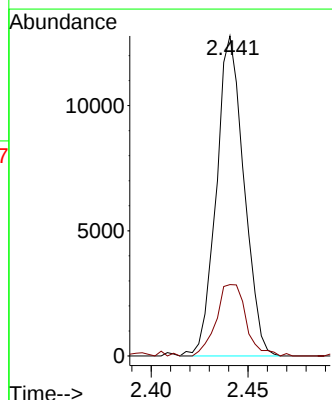
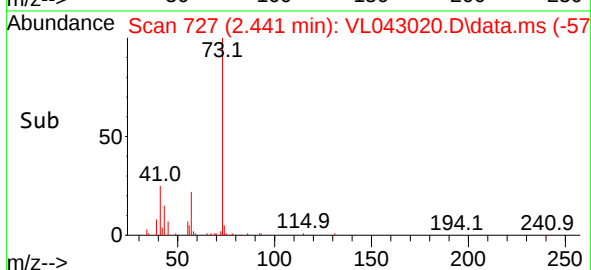
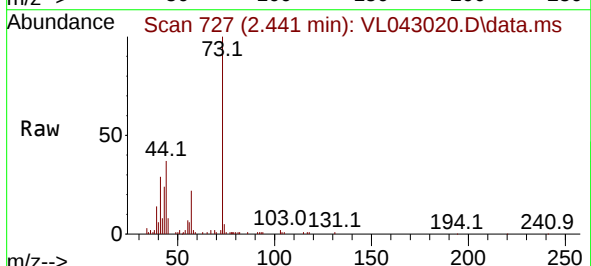
RT: 2.441 min Scan# 727

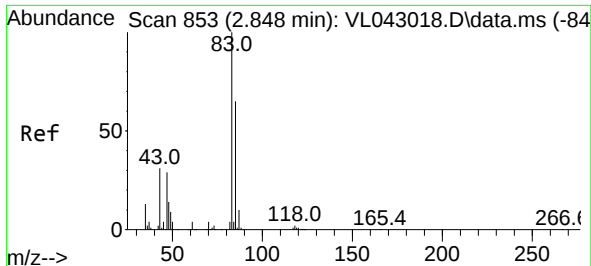
Delta R.T. 0.000 min

Lab File: VL043020.D

Acq: 30 Sep 2025 10:12

Tgt Ion:	73	Resp:	12672
Ion	Ratio	Lower	Upper
73	100		
57	24.4	17.7	26.5





#29

Chloroform

Concen: 1.037 ppbv

RT: 2.849 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL043020.D

Acq: 30 Sep 2025 10:12

Instrument :

MSVOA_L

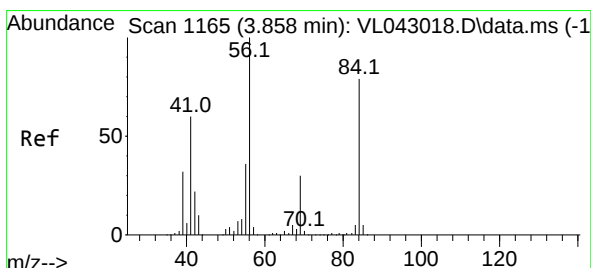
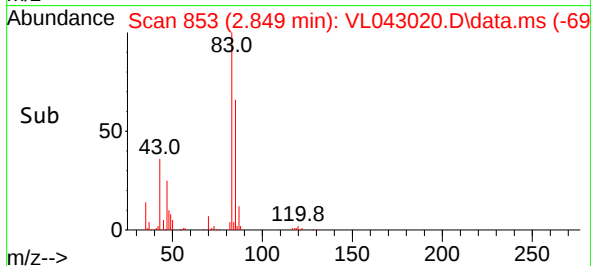
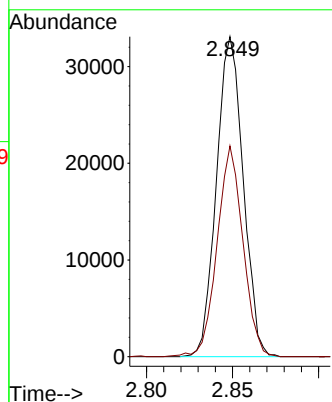
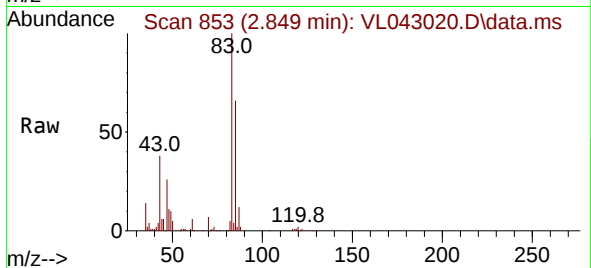
ClientSampleId :

Tgt Ion: 83 Resp: 35818

Ion Ratio Lower Upper

83 100

85 65.8 51.7 77.5



#30

Cyclohexane

Concen: 1.020 ppbv

RT: 3.858 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VL043020.D

Acq: 30 Sep 2025 10:12

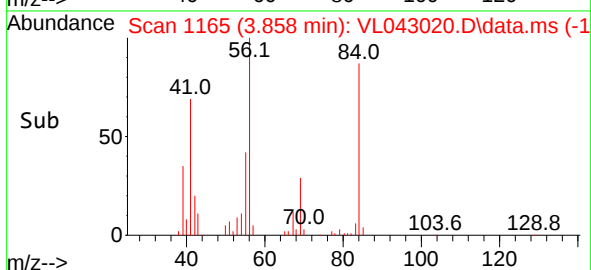
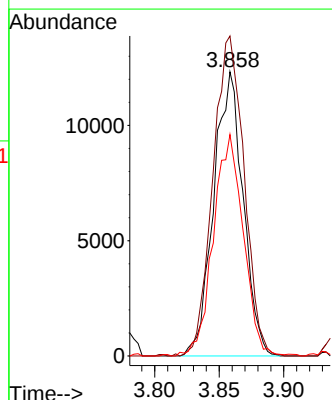
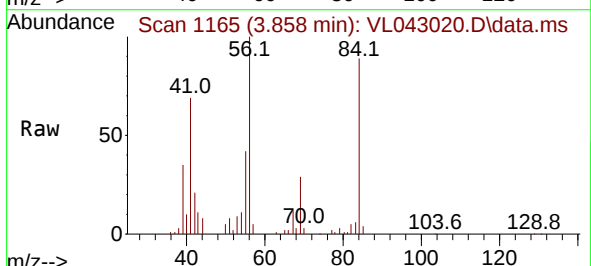
Tgt Ion: 84 Resp: 19501

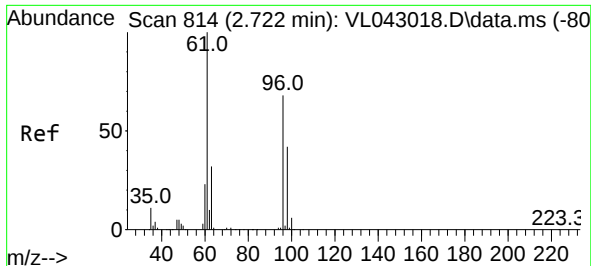
Ion Ratio Lower Upper

84 100

56 119.4 97.3 145.9

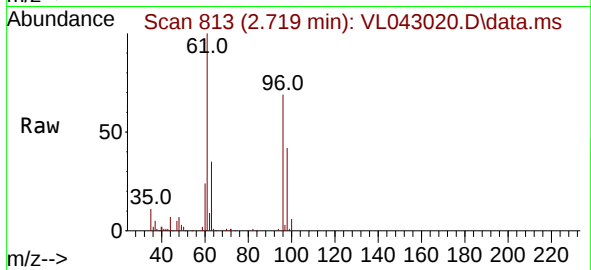
41 79.4 62.6 93.8





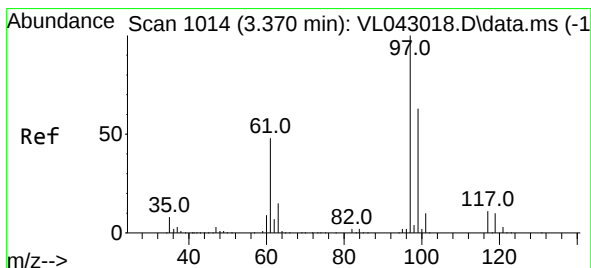
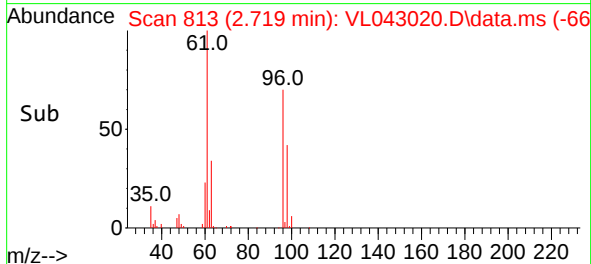
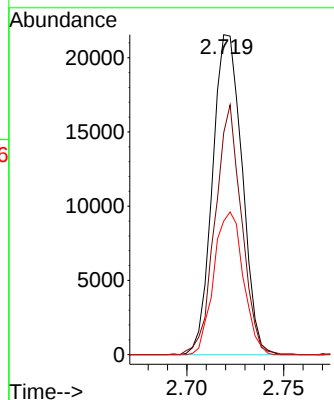
#31
 cis-1,2-Dichloroethene
 Concen: 1.015 ppbv
 RT: 2.719 min Scan# 814
 Delta R.T. -0.003 min
 Lab File: VL043020.D
 Acq: 30 Sep 2025 10:12

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion: 61 Resp: 22888

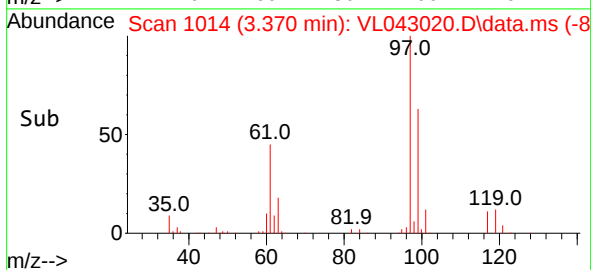
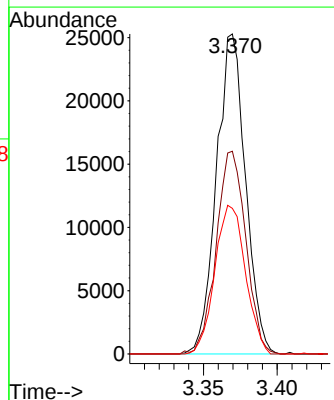
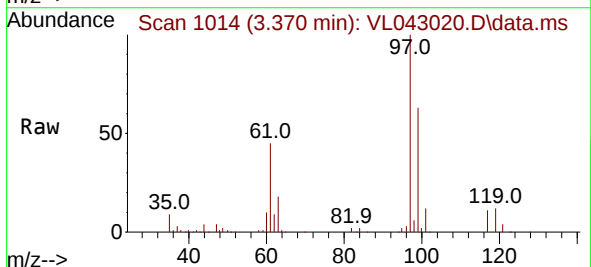
Ion	Ratio	Lower	Upper
61	100		
96	69.3	54.4	81.6
98	41.8	33.7	50.5

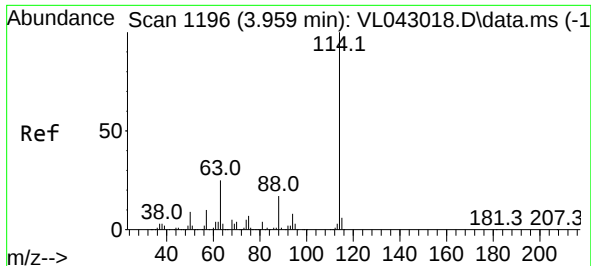


#32
 1,1,1-Trichloroethane
 Concen: 0.989 ppbv
 RT: 3.370 min Scan# 1014
 Delta R.T. 0.000 min
 Lab File: VL043020.D
 Acq: 30 Sep 2025 10:12

Tgt Ion: 97 Resp: 34623

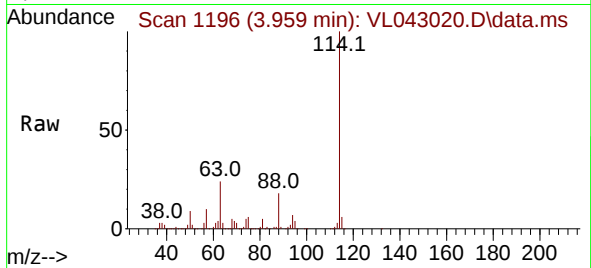
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.4	77.0
61	48.9	38.8	58.2



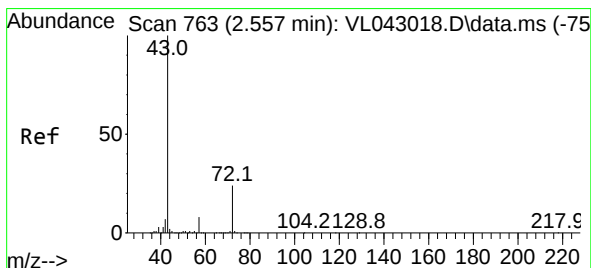
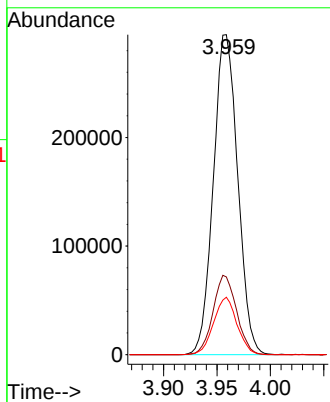
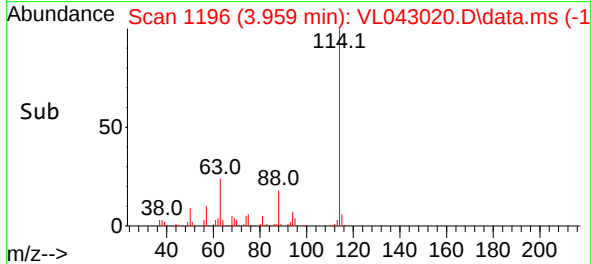


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.959 min Scan# 1196
 Delta R.T. 0.000 min
 Lab File: VL043020.D
 Acq: 30 Sep 2025 10:12

Instrument :
 MSVOA_L
 ClientSampleId :

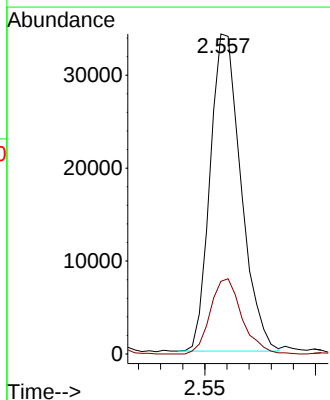
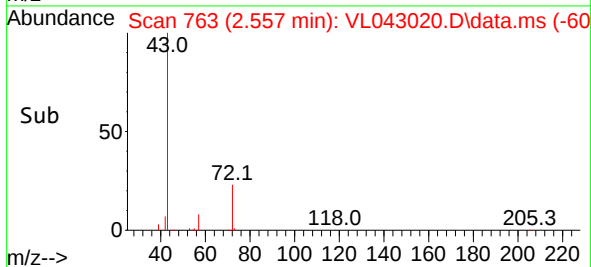
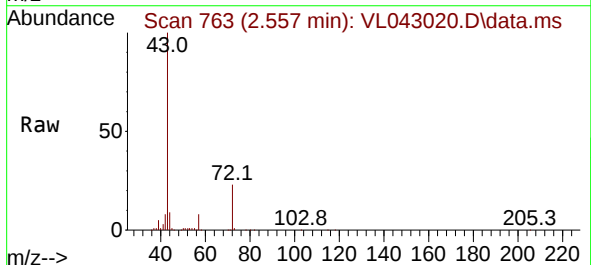


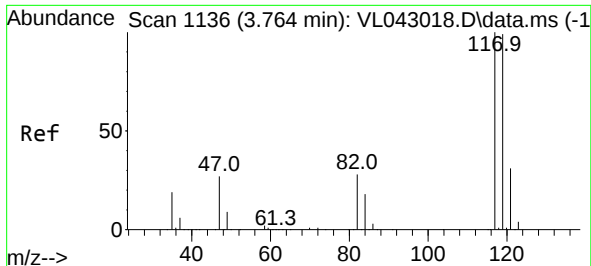
Tgt Ion:114 Resp: 467066
 Ion Ratio Lower Upper
 114 100
 63 24.0 19.7 29.5
 88 17.3 13.8 20.6



#34
 2-Butanone
 Concen: 1.006 ppbv
 RT: 2.557 min Scan# 763
 Delta R.T. 0.000 min
 Lab File: VL043020.D
 Acq: 30 Sep 2025 10:12

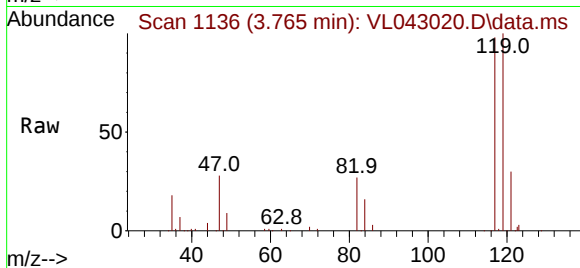
Tgt Ion: 43 Resp: 33074
 Ion Ratio Lower Upper
 43 100
 72 24.5 18.7 28.1



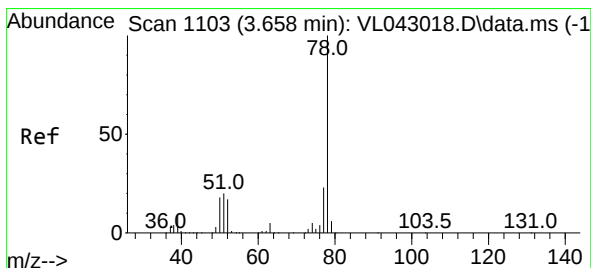
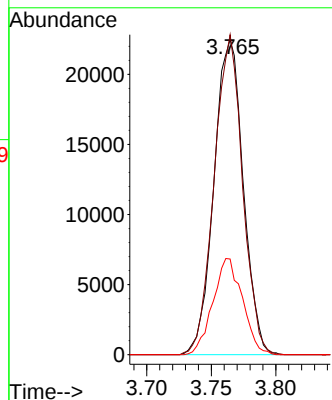
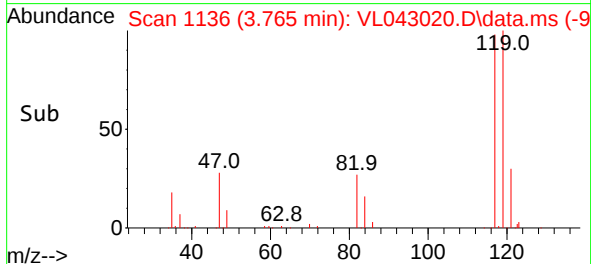


#35
Carbon Tetrachloride
Concen: 0.936 ppbv
RT: 3.765 min Scan# 1136
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

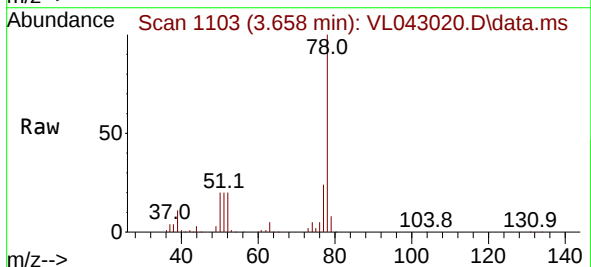
Instrument :
MSVOA_L
ClientSampleId :



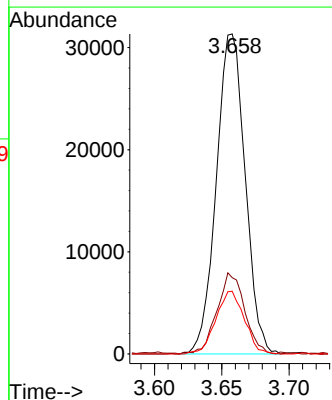
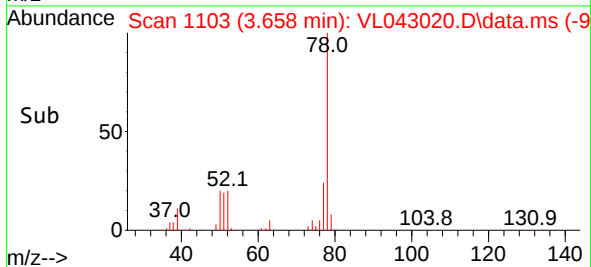
Tgt Ion:117 Resp: 35487
Ion Ratio Lower Upper
117 100
119 101.6 79.1 118.7
121 30.4 24.5 36.7

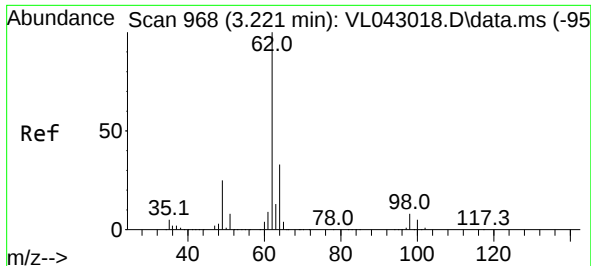


#36
Benzene
Concen: 0.997 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12



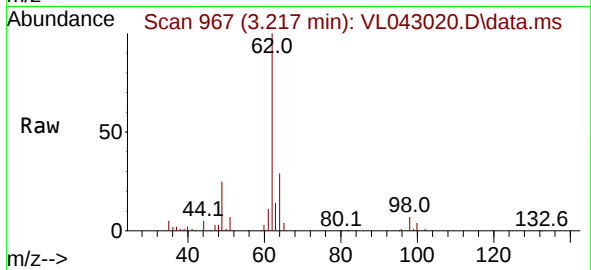
Tgt Ion: 78 Resp: 46683
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2
50 19.6 14.5 21.7



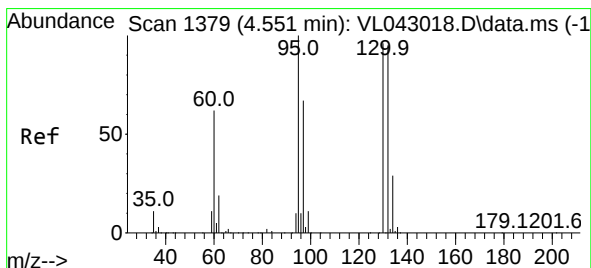
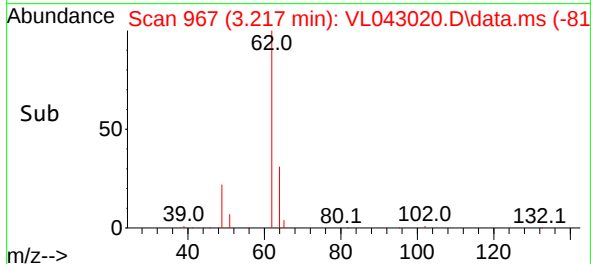
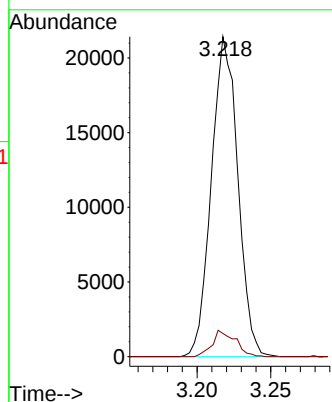


#37
1,2-Dichloroethane
Concen: 0.999 ppbv
RT: 3.217 min Scan# 967
Delta R.T. -0.003 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

Instrument :
MSVOA_L
ClientSampleId :

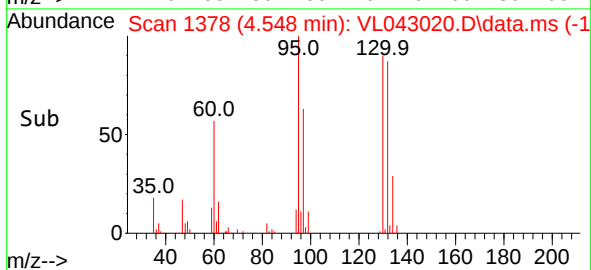
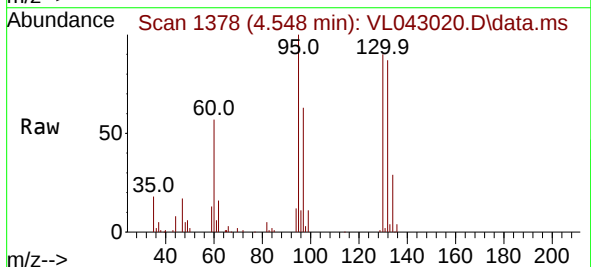
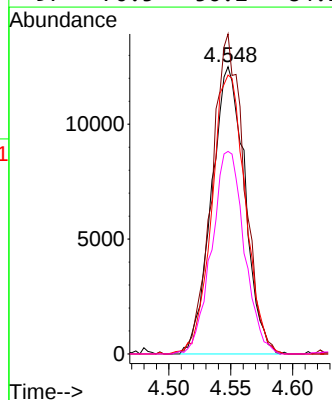


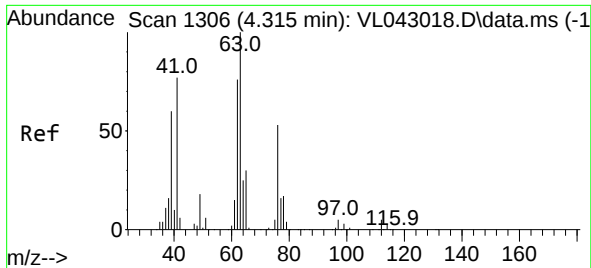
Tgt Ion: 62 Resp: 26709
Ion Ratio Lower Upper
62 100
98 7.2 5.7 8.5



#38
Trichloroethene
Concen: 0.974 ppbv
RT: 4.548 min Scan# 1378
Delta R.T. -0.003 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

Tgt Ion: 130 Resp: 23375
Ion Ratio Lower Upper
130 100
95 110.8 83.4 125.0
132 96.5 79.0 118.4
97 70.5 56.2 84.2





#39

1,2-Dichloropropane

Concen: 1.008 ppbv

RT: 4.315 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL043020.D

Acq: 30 Sep 2025 10:12

Instrument :

MSVOA_L

ClientSampleId :

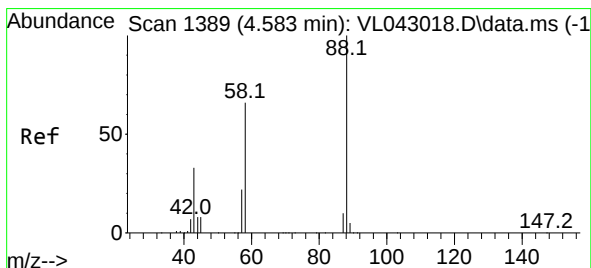
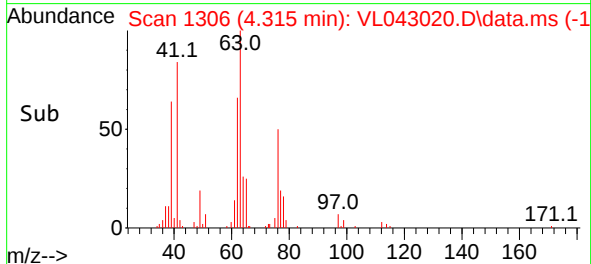
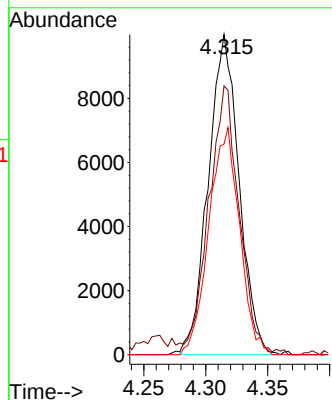
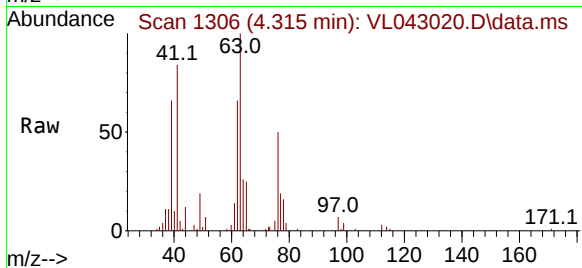
Tgt Ion: 63 Resp: 17326

Ion Ratio Lower Upper

63 100

41 82.9 62.3 93.5

62 65.9 60.5 90.7



#40

1,4-Dioxane

Concen: 0.911 ppbv

RT: 4.593 min Scan# 1392

Delta R.T. 0.010 min

Lab File: VL043020.D

Acq: 30 Sep 2025 10:12

Tgt Ion: 88 Resp: 6639

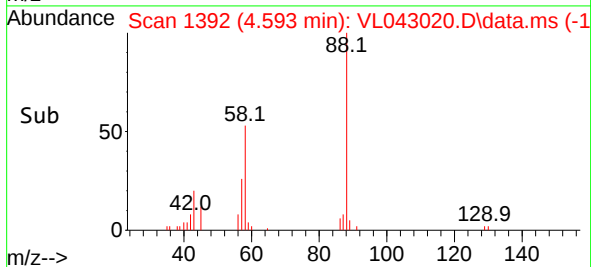
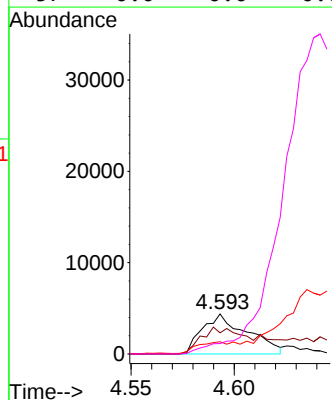
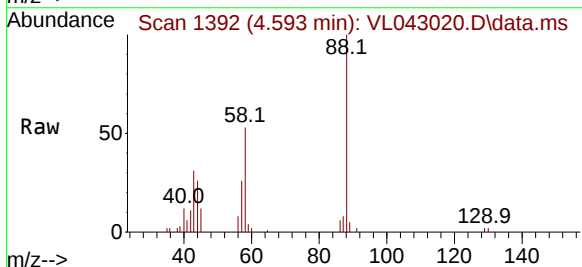
Ion Ratio Lower Upper

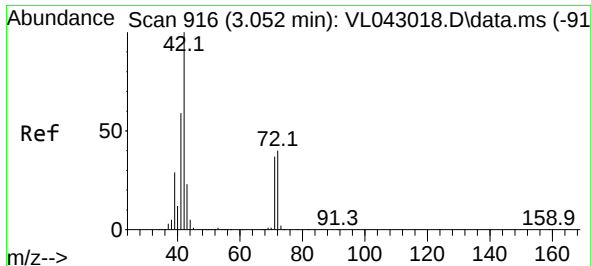
88 100

58 77.0 59.3 88.9

43 0.0 24.3 36.5#

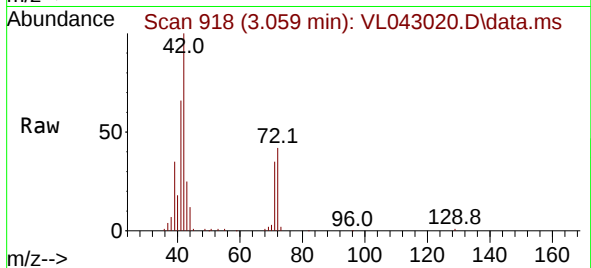
57 0.0 0.0 0.0



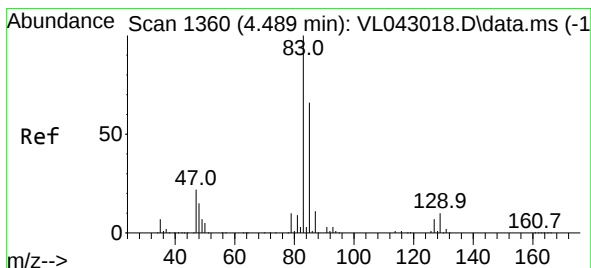
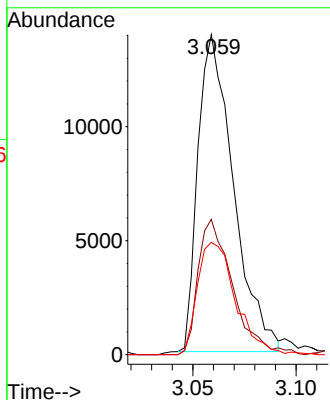
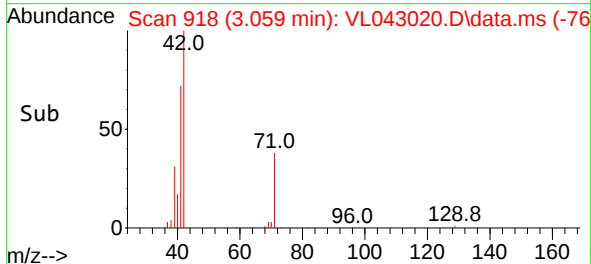


#41
Tetrahydrofuran
Concen: 0.953 ppbv
RT: 3.059 min Scan# 916
Delta R.T. 0.007 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

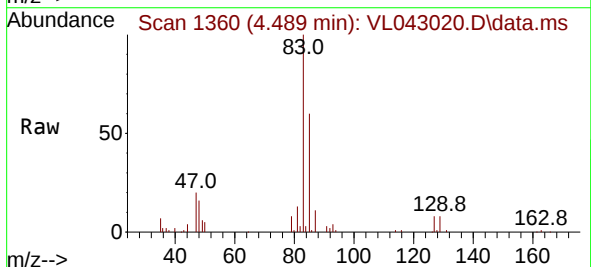
Instrument :
MSVOA_L
ClientSampleId :



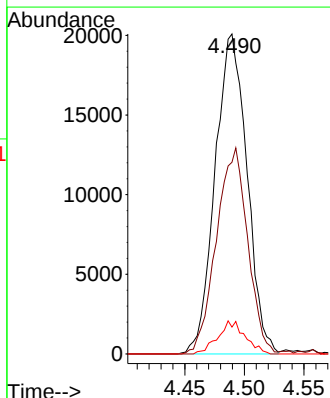
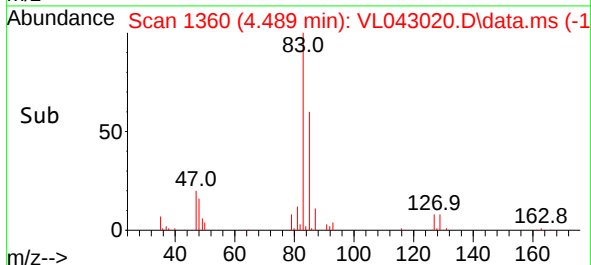
Tgt Ion: 42 Resp: 16682
Ion Ratio Lower Upper
42 100
72 42.2 31.6 47.4
71 38.0 30.4 45.6

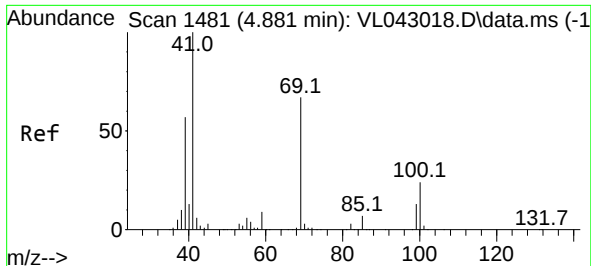


#42
Bromodichloromethane
Concen: 1.007 ppbv
RT: 4.489 min Scan# 1360
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12



Tgt Ion: 83 Resp: 37418
Ion Ratio Lower Upper
83 100
85 59.9 52.6 78.8
127 8.4 5.7 8.5

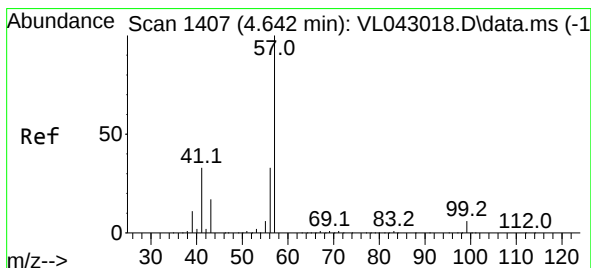
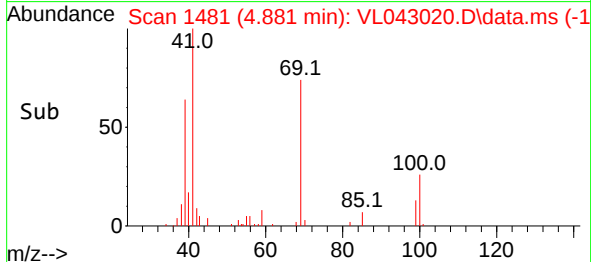
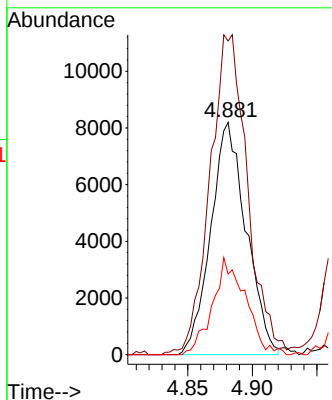
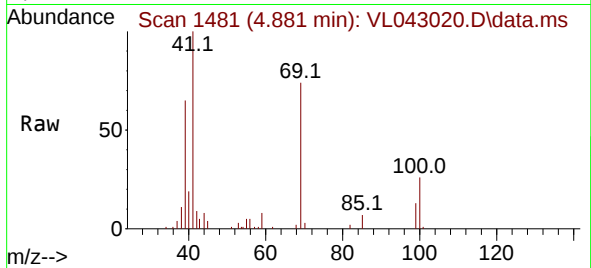




#43
Methyl Methacrylate
Concen: 0.952 ppbv
RT: 4.881 min Scan# 1481
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

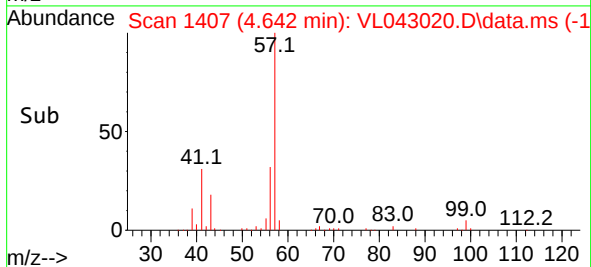
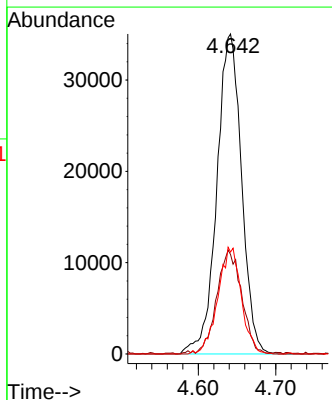
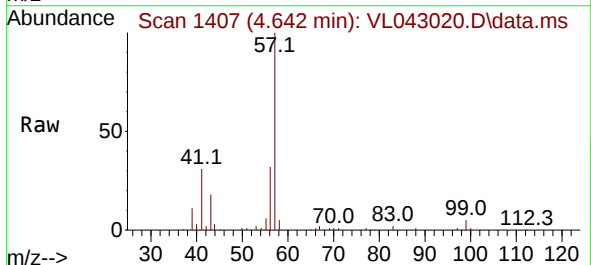
Instrument :
MSVOA_L
ClientSampleId :

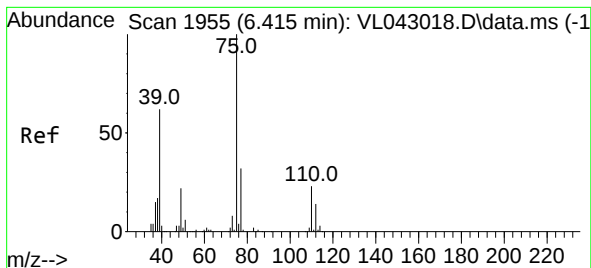
Tgt Ion: 69 Resp: 15662
Ion Ratio Lower Upper
69 100
41 145.4 117.6 176.4
100 38.8 29.0 43.6



#44
2,2,4-Trimethylpentane
Concen: 1.009 ppbv
RT: 4.642 min Scan# 1407
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

Tgt Ion: 57 Resp: 77716
Ion Ratio Lower Upper
57 100
41 33.0 26.2 39.2
56 31.6 25.9 38.9





#45

t-1,3-Dichloropropene

Concen: 0.913 ppbv

RT: 6.419 min Scan# 1955

Delta R.T. 0.003 min

Lab File: VL043020.D

Acq: 30 Sep 2025 10:12

Instrument :

MSVOA_L

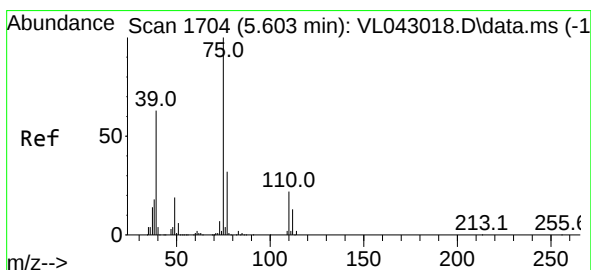
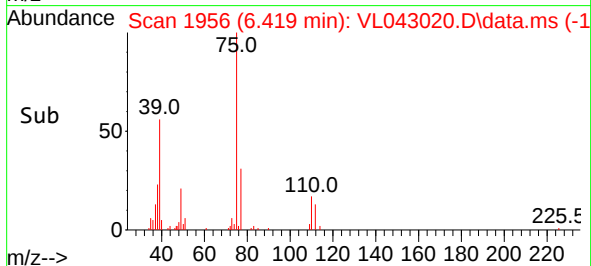
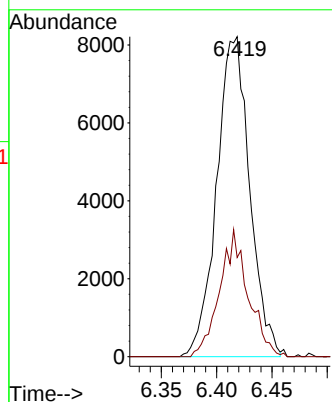
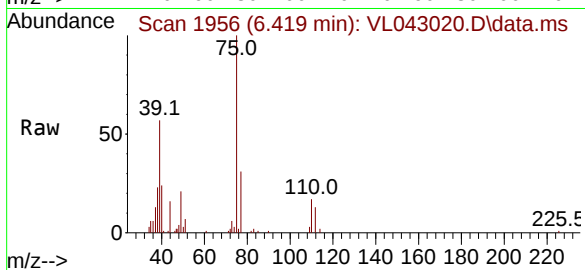
ClientSampleId :

Tgt Ion: 75 Resp: 17070

Ion Ratio Lower Upper

75 100

77 31.0 25.8 38.6



#46

cis-1,3-Dichloropropene

Concen: 0.618 ppbv

RT: 5.600 min Scan# 1703

Delta R.T. -0.003 min

Lab File: VL043020.D

Acq: 30 Sep 2025 10:12

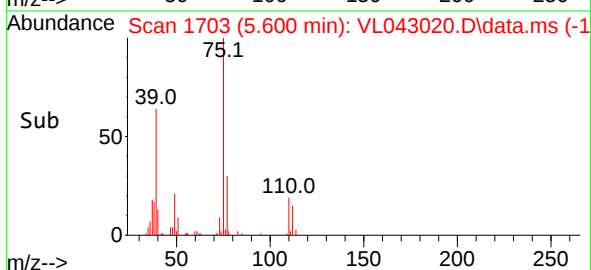
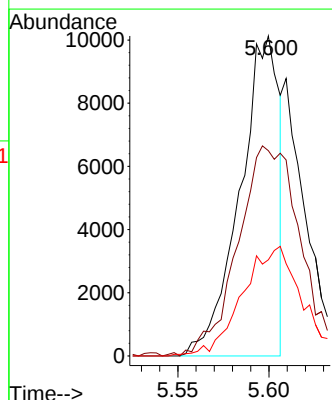
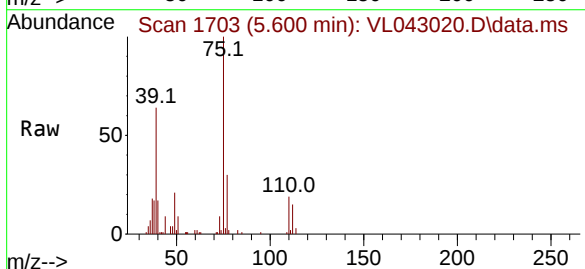
Tgt Ion: 75 Resp: 15088

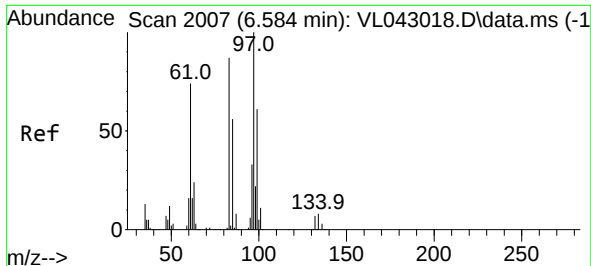
Ion Ratio Lower Upper

75 100

39 64.1 50.2 75.2

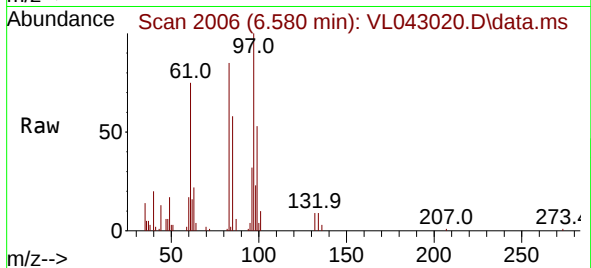
77 29.6 25.4 38.0





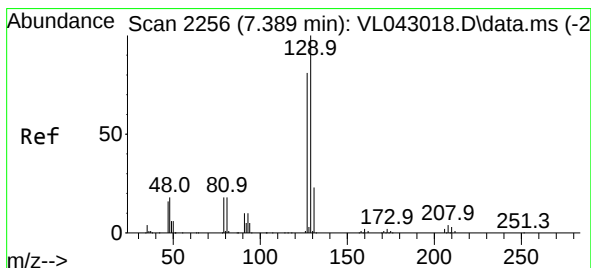
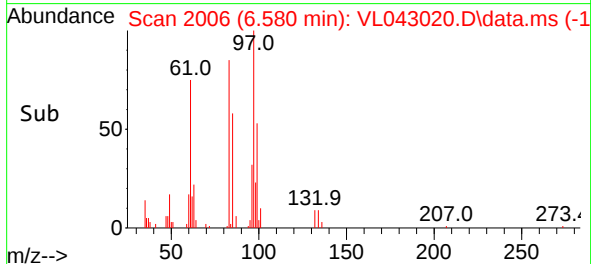
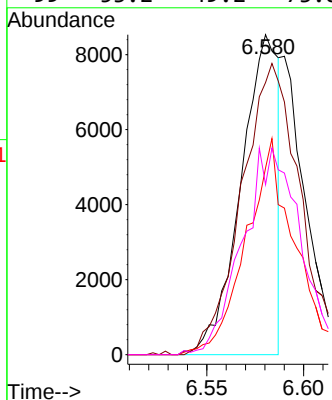
#47
1,1,2-Trichloroethane
Concen: 0.631 ppbv
RT: 6.580 min Scan# 2006
Delta R.T. -0.003 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 97 Resp: 11500

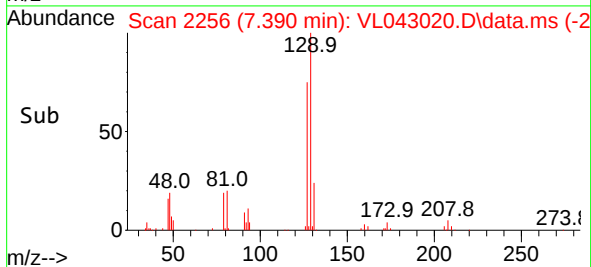
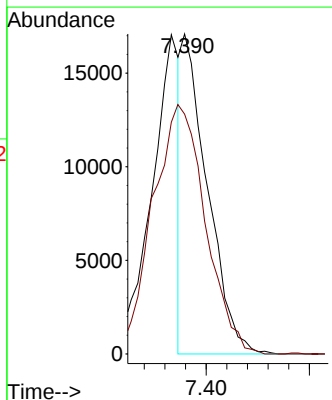
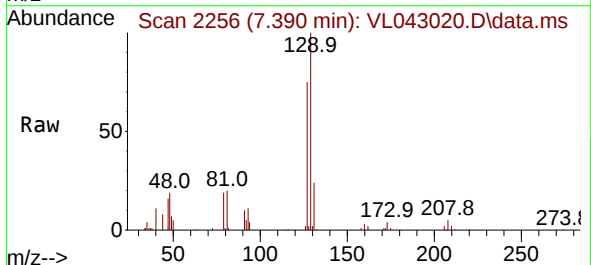
Ion	Ratio	Lower	Upper
97	100		
83	85.1	69.6	104.4
85	58.4	44.6	66.8
99	53.2	49.2	73.8

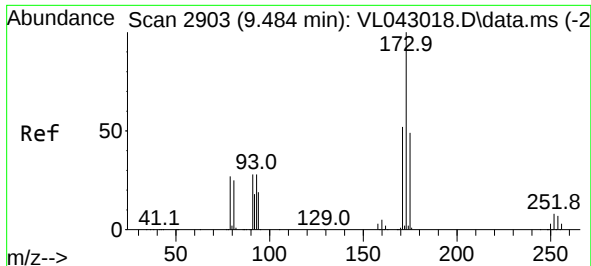


#48
Dibromochloromethane
Concen: 0.466 ppbv
RT: 7.390 min Scan# 2256
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

Tgt Ion: 129 Resp: 14650

Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.6	116.0#

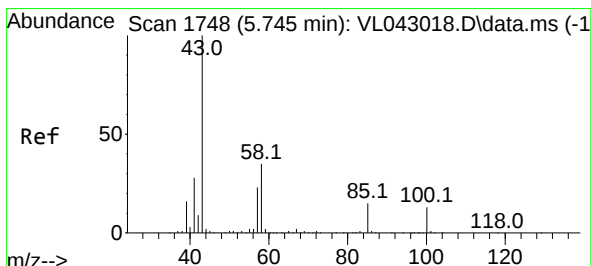
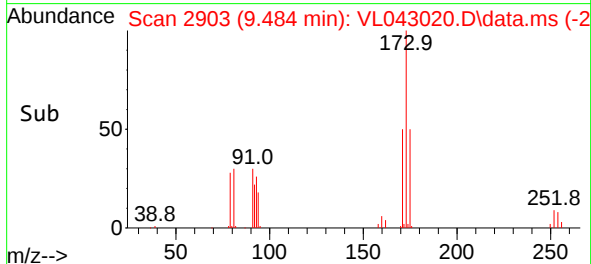
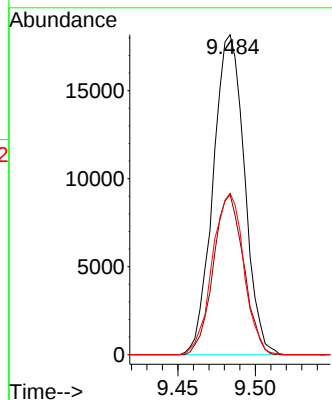
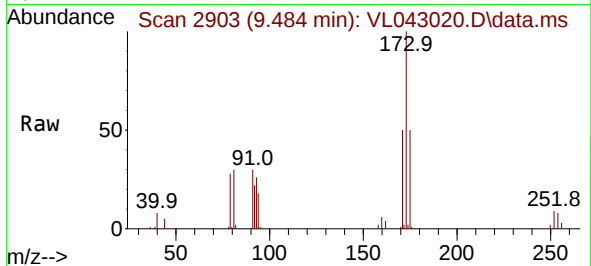




#49
Bromoform
Concen: 0.958 ppbv
RT: 9.484 min Scan# 2903
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

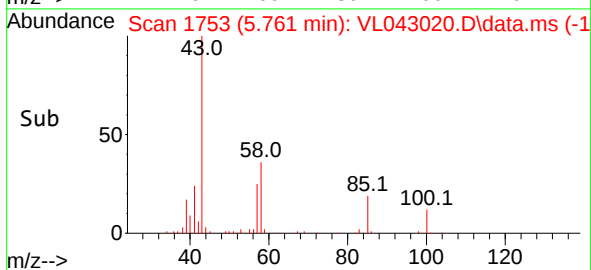
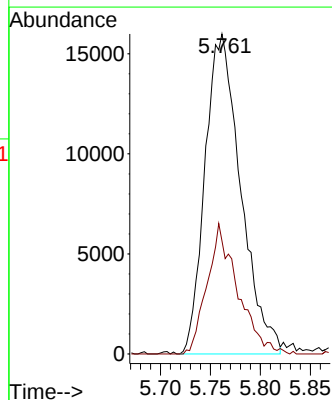
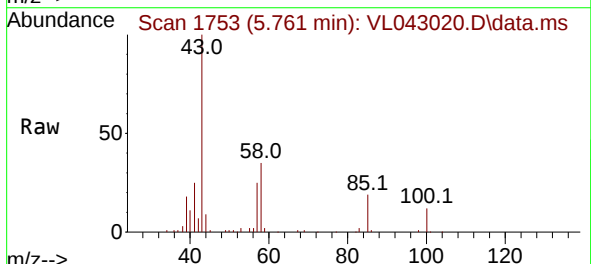
Instrument :
MSVOA_L
ClientSampleId :

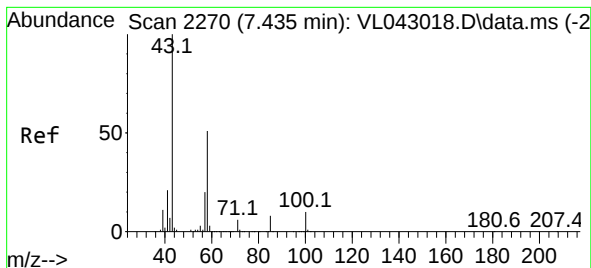
Tgt Ion:173 Resp: 25561
Ion Ratio Lower Upper
173 100
175 48.6 39.1 58.7
171 50.9 41.4 62.0



#50
4-Methyl-2-Pentanone
Concen: 0.947 ppbv
RT: 5.761 min Scan# 1753
Delta R.T. 0.016 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

Tgt Ion: 43 Resp: 39729
Ion Ratio Lower Upper
43 100
58 35.0 29.4 44.2





#51

2-Hexanone

Concen: 0.846 ppbv

RT: 7.445 min Scan# 21

Delta R.T. 0.010 min

Lab File: VL043020.D

Acq: 30 Sep 2025 10:12

Instrument :

MSVOA_L

ClientSampleId :

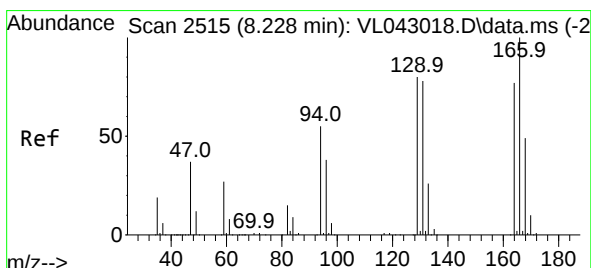
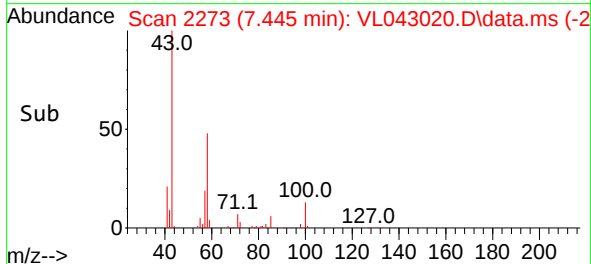
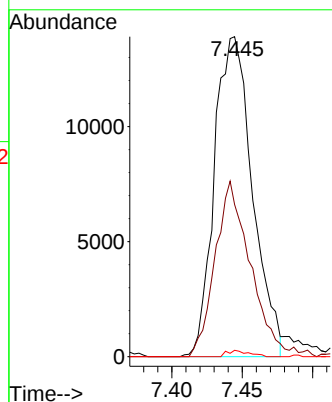
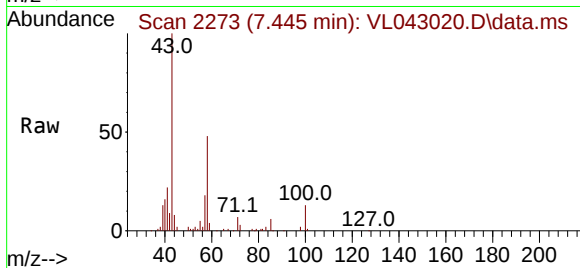
Tgt Ion: 43 Resp: 26169

Ion Ratio Lower Upper

43 100

58 51.6 39.7 59.5

98 1.1 0.2 0.4#



#52

Tetrachloroethene

Concen: 0.981 ppbv

RT: 8.225 min Scan# 2514

Delta R.T. -0.003 min

Lab File: VL043020.D

Acq: 30 Sep 2025 10:12

Tgt Ion: 164 Resp: 18311

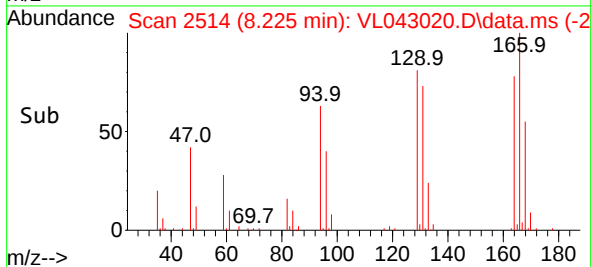
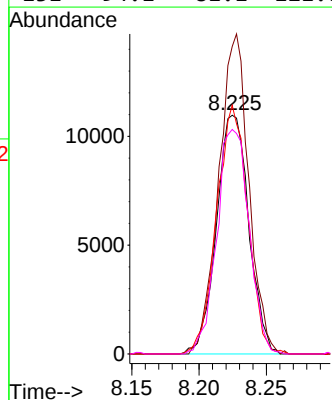
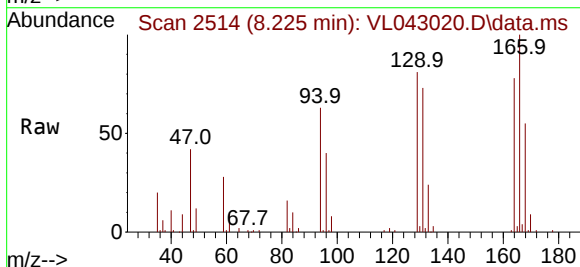
Ion Ratio Lower Upper

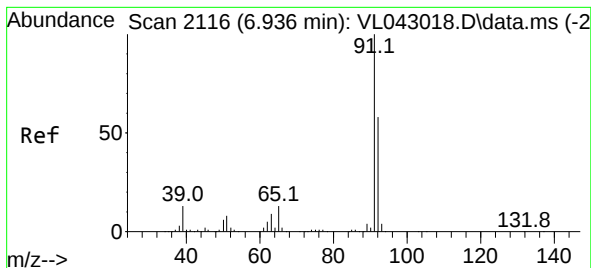
164 100

166 128.7 103.5 155.3

129 104.1 82.6 124.0

131 94.1 81.1 121.7





#53

Toluene

Concen: 0.965 ppbv

RT: 6.936 min Scan# 2116

Delta R.T. 0.000 min

Lab File: VL043020.D

Acq: 30 Sep 2025 10:12

Instrument :

MSVOA_L

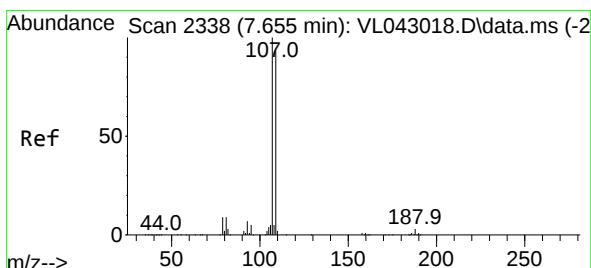
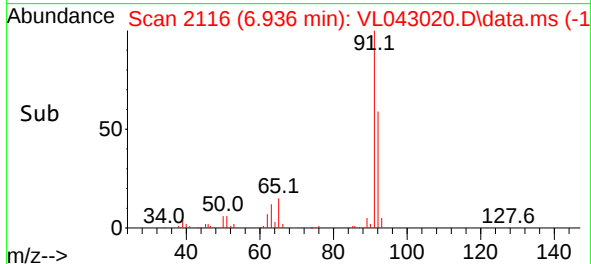
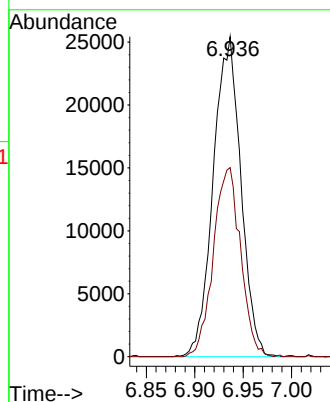
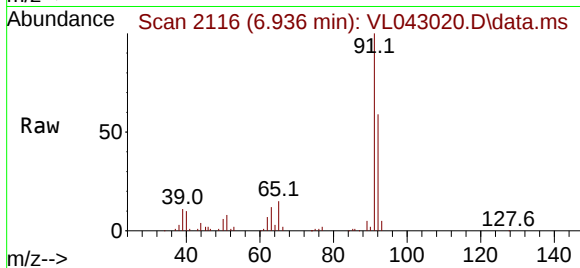
ClientSampleId :

Tgt Ion: 91 Resp: 50386

Ion Ratio Lower Upper

91 100

92 58.2 47.7 71.5



#54

1,2-Dibromoethane

Concen: 0.494 ppbv

RT: 7.658 min Scan# 2339

Delta R.T. 0.003 min

Lab File: VL043020.D

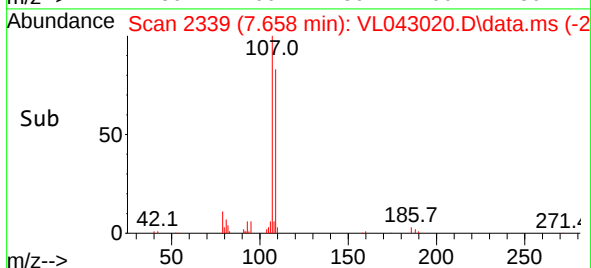
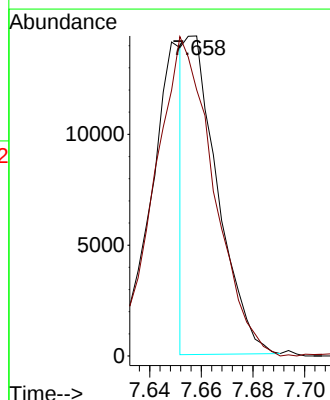
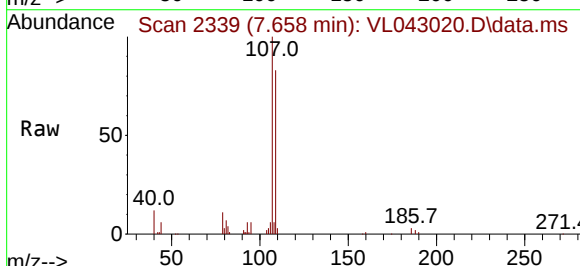
Acq: 30 Sep 2025 10:12

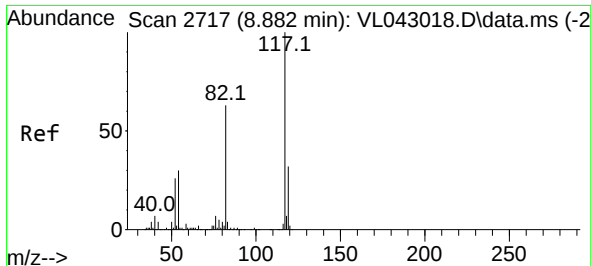
Tgt Ion: 107 Resp: 12568

Ion Ratio Lower Upper

107 100

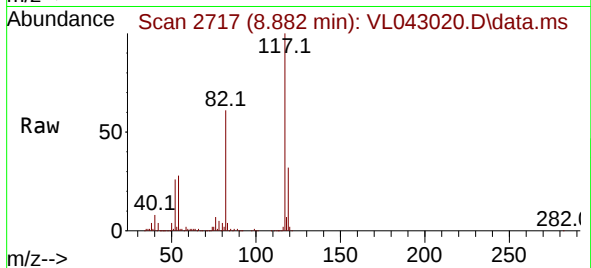
109 83.8 74.6 111.8



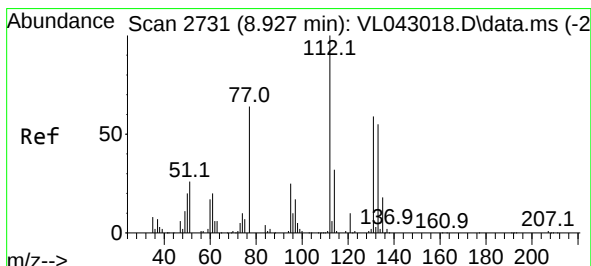
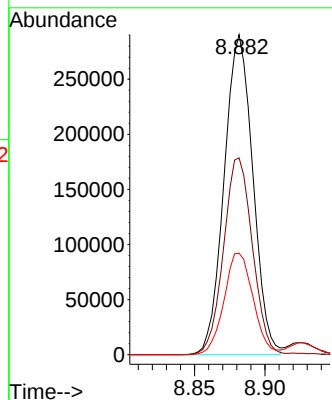
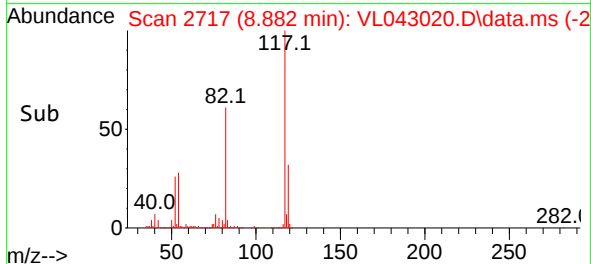


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2717
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

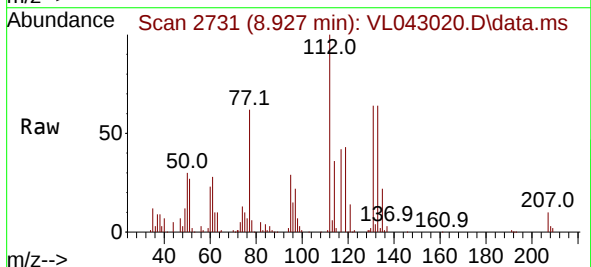
Instrument :
MSVOA_L
ClientSampleId :



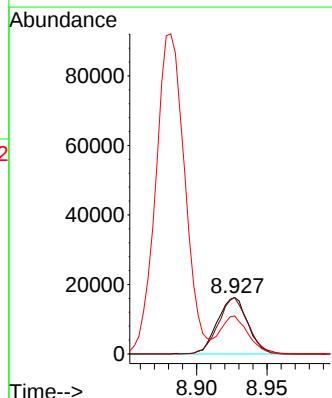
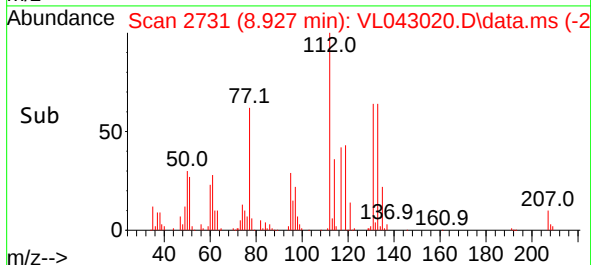
Tgt Ion:117 Resp: 412312
Ion Ratio Lower Upper
117 100
82 62.2 52.6 78.8
119 32.9 26.4 39.6

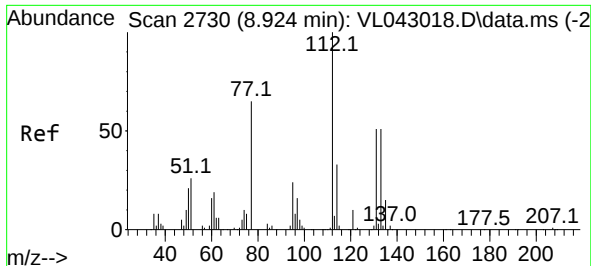


#56
1,1,1,2-Tetrachloroethane
Concen: 1.042 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12



Tgt Ion:131 Resp: 24344
Ion Ratio Lower Upper
131 100
133 97.3 76.6 114.8
119 56.1 48.8 73.2

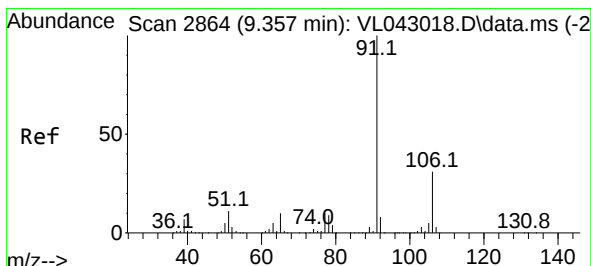
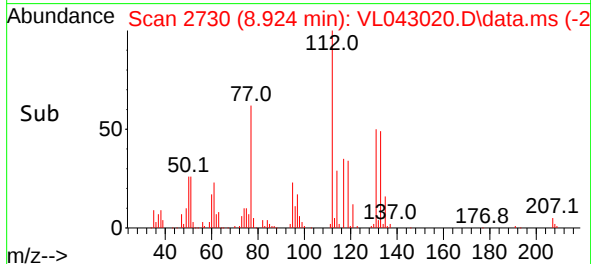
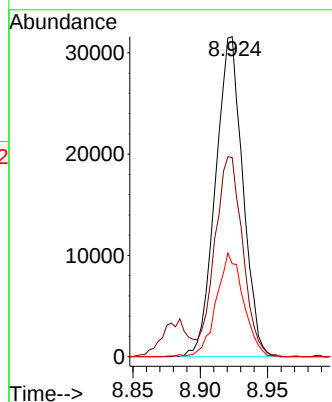
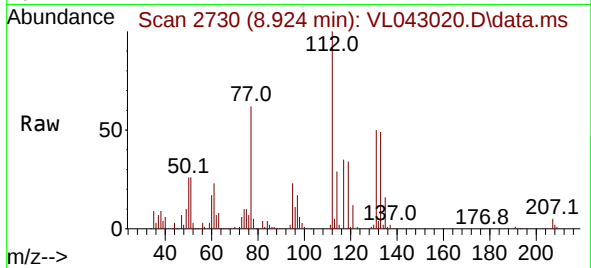




#57
Chlorobenzene
Concen: 1.049 ppbv
RT: 8.924 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

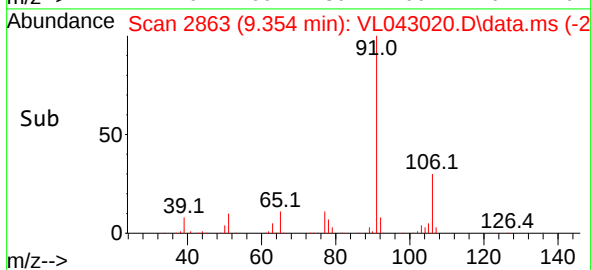
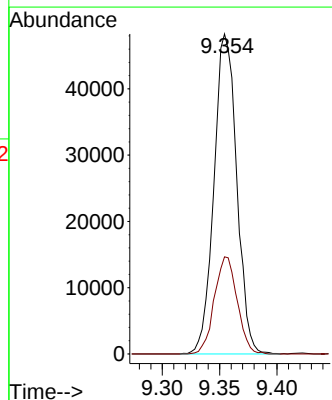
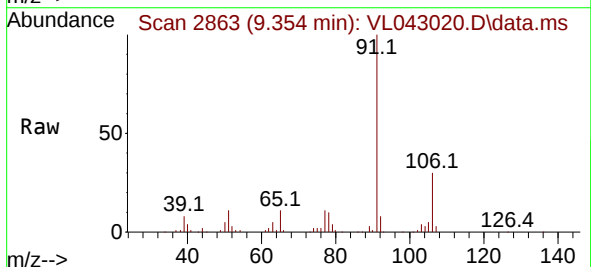
Instrument :
MSVOA_L
ClientSampleId :

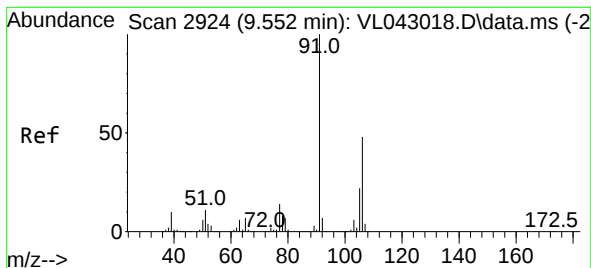
Tgt Ion:112 Resp: 44607
Ion Ratio Lower Upper
112 100
77 62.3 52.7 79.1
114 28.8 29.5 36.1#



#58
Ethyl Benzene
Concen: 0.954 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. -0.003 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

Tgt Ion: 91 Resp: 66643
Ion Ratio Lower Upper
91 100
106 30.4 24.8 37.2





#59

m/p-Xylene

Concen: 0.944 ppbv

RT: 9.552 min Scan# 2924

Delta R.T. 0.000 min

Lab File: VL043020.D

Acq: 30 Sep 2025 10:12

Instrument :

MSVOA_L

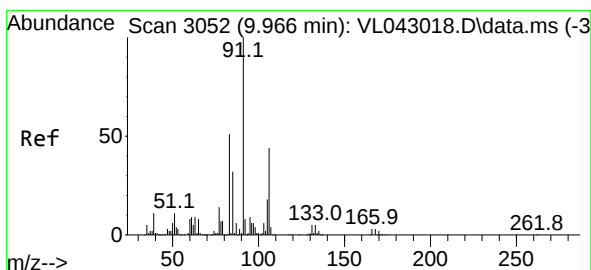
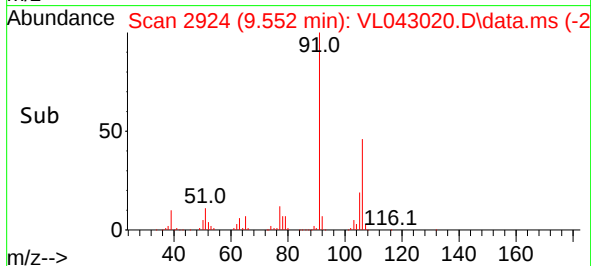
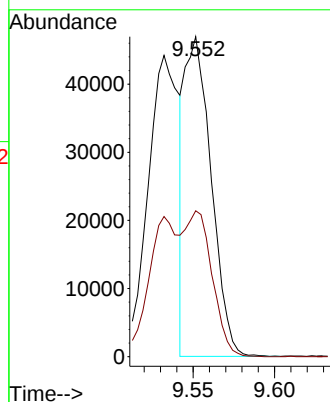
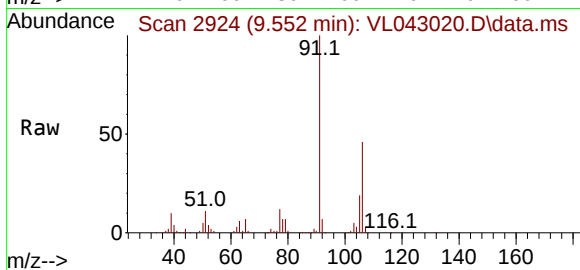
ClientSampleId :

Tgt Ion: 91 Resp: 53099

Ion Ratio Lower Upper

91 100

106 96.6 38.1 57.1#



#60

o-Xylene

Concen: 0.969 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. -0.003 min

Lab File: VL043020.D

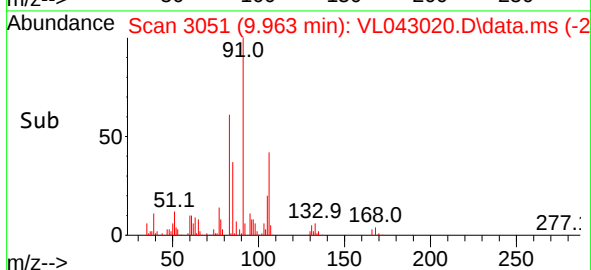
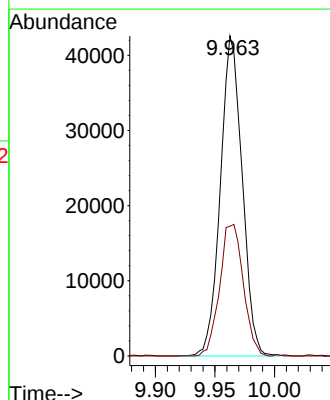
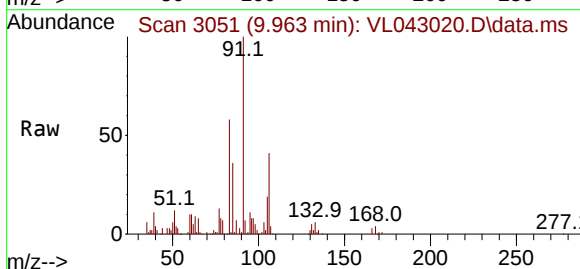
Acq: 30 Sep 2025 10:12

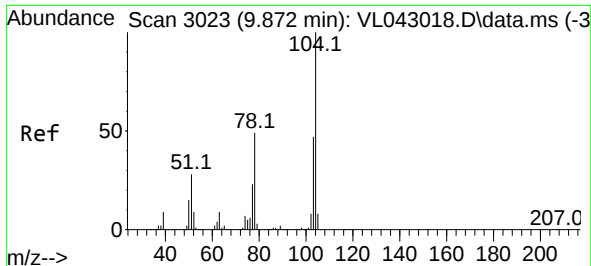
Tgt Ion: 91 Resp: 54145

Ion Ratio Lower Upper

91 100

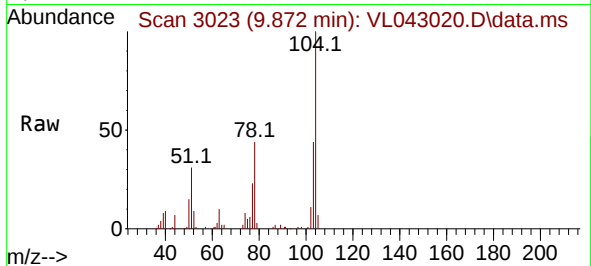
106 44.7 22.2 66.6



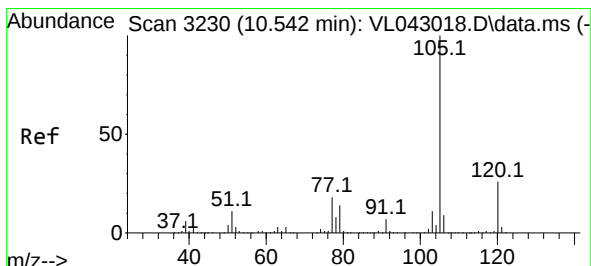
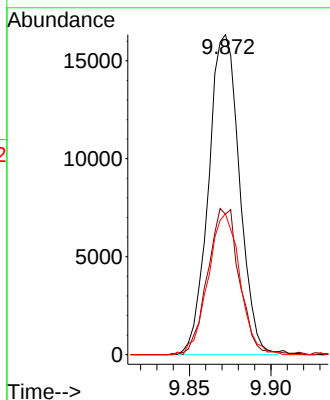
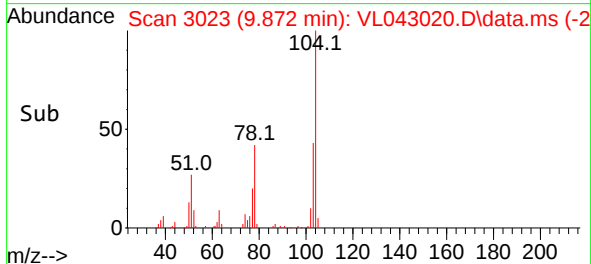


#61
Styrene
Concen: 0.913 ppbv
RT: 9.872 min Scan# 3023
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

Instrument :
MSVOA_L
ClientSampleId :

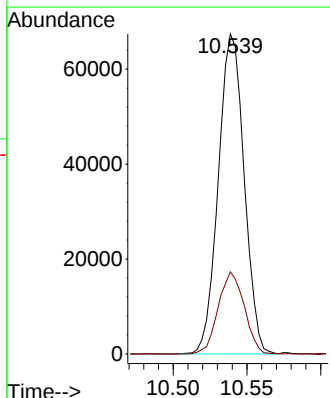
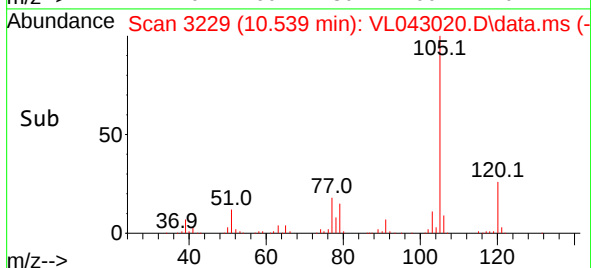
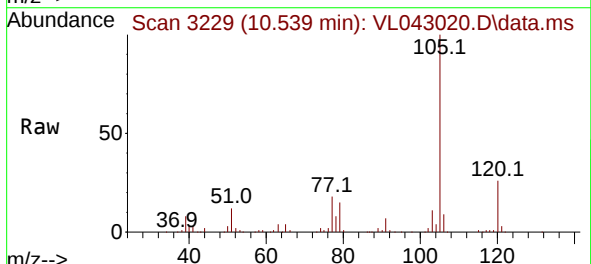


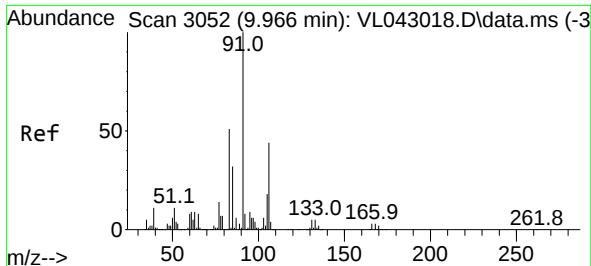
Tgt Ion:104 Resp: 21591
Ion Ratio Lower Upper
104 100
78 47.2 39.0 58.4
103 45.1 37.4 56.2



#62
Isopropylbenzene
Concen: 0.986 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.003 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

Tgt Ion:105 Resp: 82087
Ion Ratio Lower Upper
105 100
120 25.8 20.7 31.1





#63

1,1,2,2-Tetrachloroethane

Concen: 1.051 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. -0.003 min

Lab File: VL043020.D

Acq: 30 Sep 2025 10:12

Instrument :

MSVOA_L

ClientSampleId :

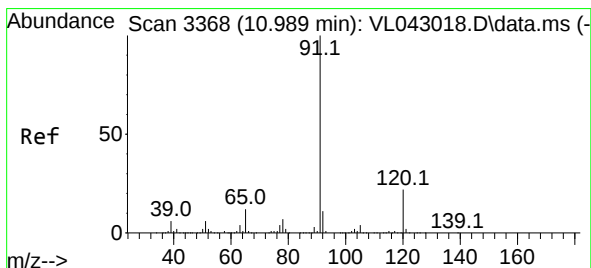
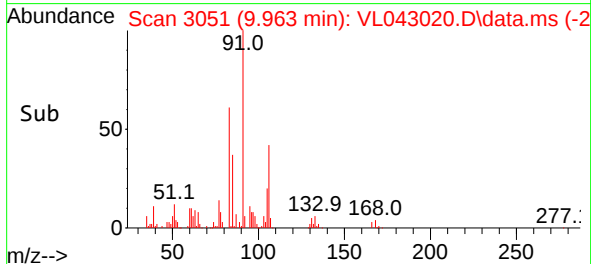
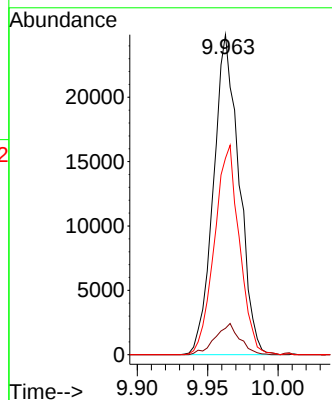
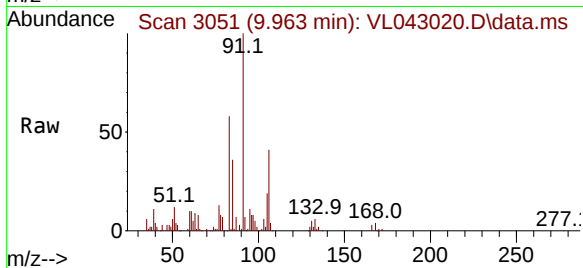
Tgt Ion: 83 Resp: 31513

Ion Ratio Lower Upper

83 100

131 9.5 5.0 14.9

85 64.0 32.2 96.6



#64

n-propylbenzene

Concen: 0.956 ppbv

RT: 10.989 min Scan# 3368

Delta R.T. 0.000 min

Lab File: VL043020.D

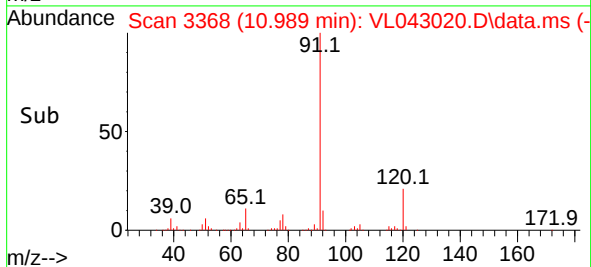
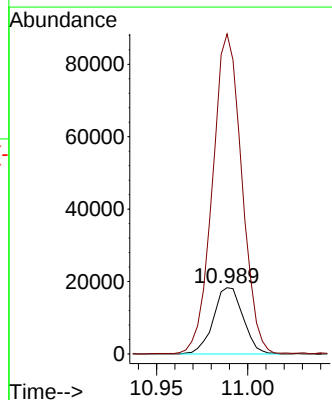
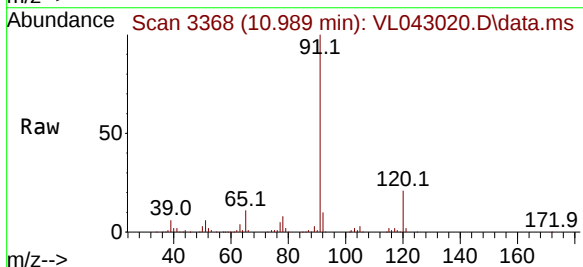
Acq: 30 Sep 2025 10:12

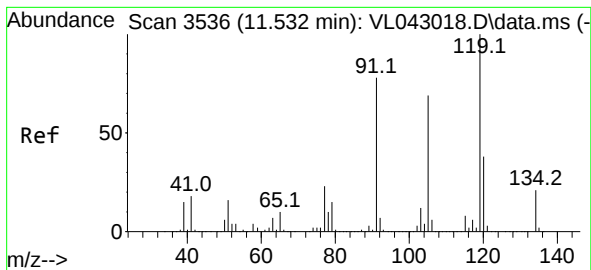
Tgt Ion: 120 Resp: 20727

Ion Ratio Lower Upper

120 100

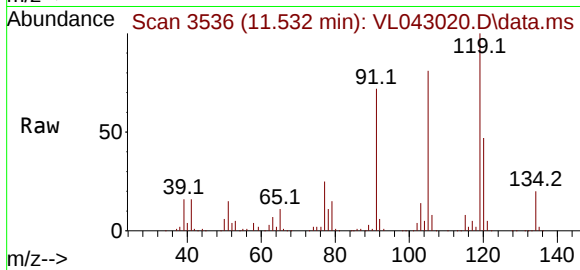
91 477.5 365.6 548.4



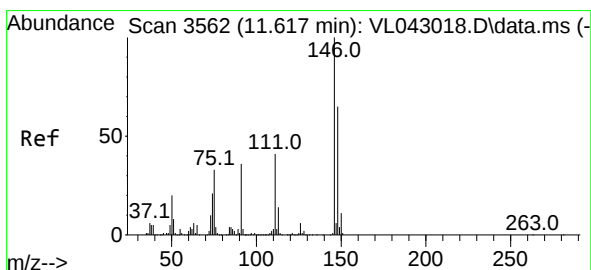
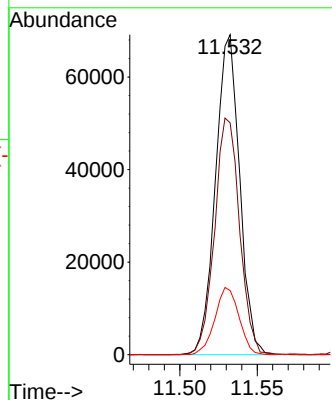
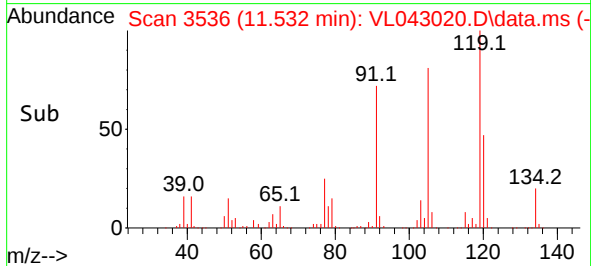


#65
tert-Butylbenzene
Concen: 0.994 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

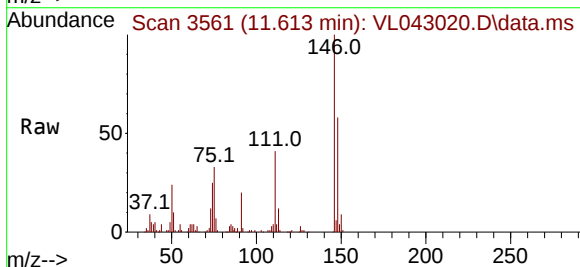
Instrument :
MSVOA_L
ClientSampleId :



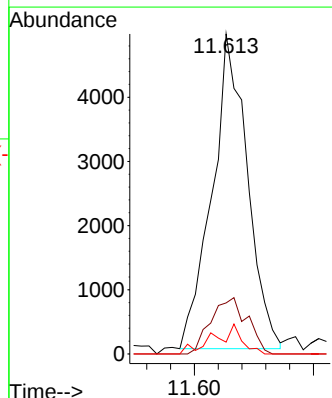
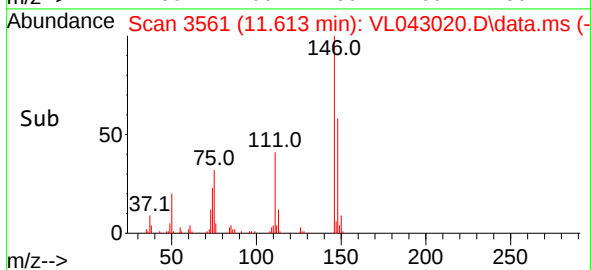
Tgt Ion:119 Resp: 74920
Ion Ratio Lower Upper
119 100
91 76.6 62.6 93.8
134 21.0 16.7 25.1

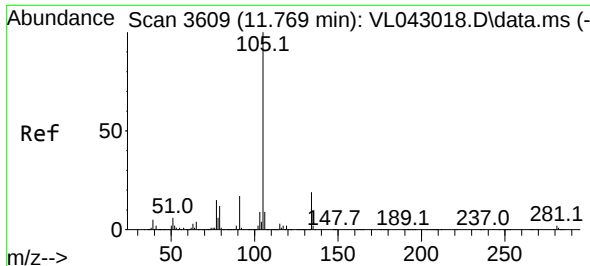


#66
Benzyl Chloride
Concen: 0.839 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. -0.003 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12



Tgt Ion: 91 Resp: 5045
Ion Ratio Lower Upper
91 100
126 18.5 14.1 21.1
128 7.4 4.9 7.3#

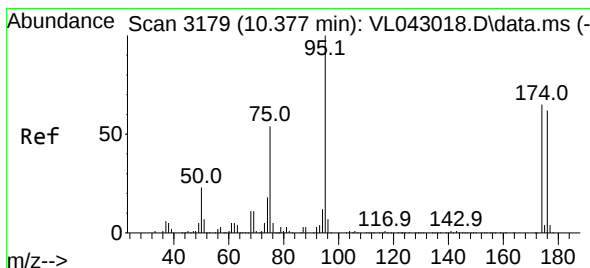
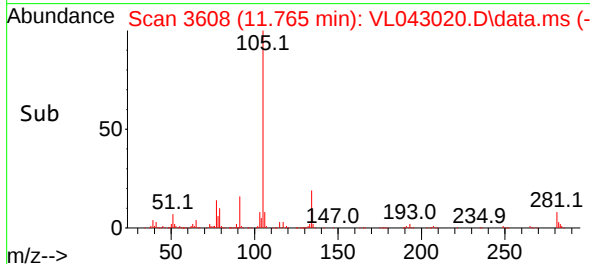
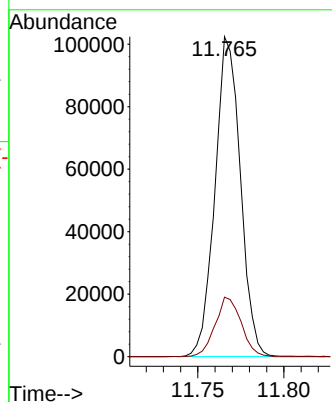
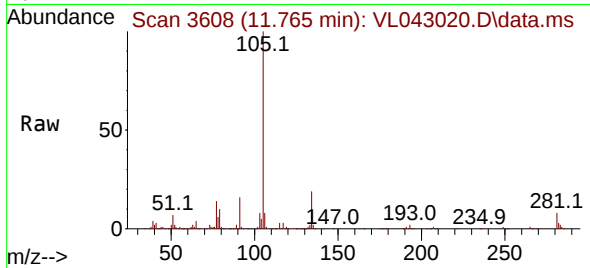




#67
 sec-Butylbenzene
 Concen: 0.999 ppbv
 RT: 11.765 min Scan# 3107
 Delta R.T. -0.003 min
 Lab File: VL043020.D
 Acq: 30 Sep 2025 10:12

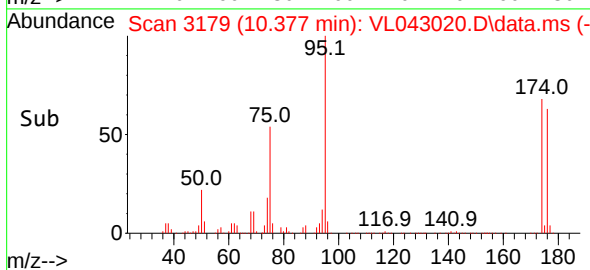
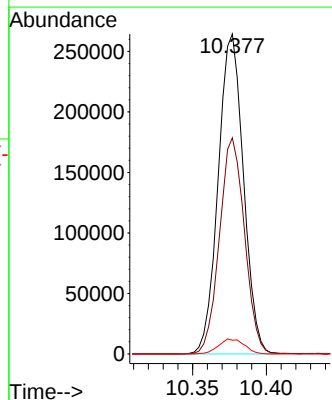
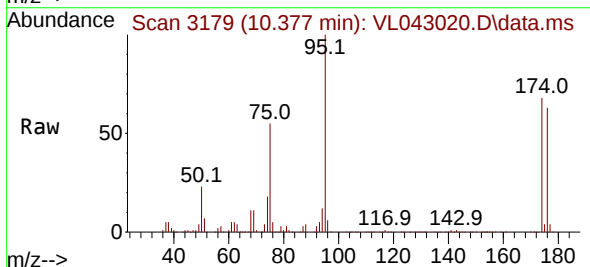
Instrument :
 MSVOA_L
 ClientSampleId :

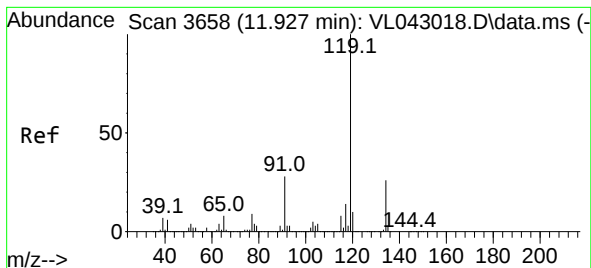
Tgt Ion:105 Resp: 105012
 Ion Ratio Lower Upper
 105 100
 134 19.1 15.4 23.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.060 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. 0.000 min
 Lab File: VL043020.D
 Acq: 30 Sep 2025 10:12

Tgt Ion: 95 Resp: 314208
 Ion Ratio Lower Upper
 95 100
 174 67.2 53.4 80.2
 175 4.8 3.8 5.8





#69

p-Isopropyltoluene

Concen: 0.994 ppbv

RT: 11.927 min Scan# 3658

Delta R.T. 0.000 min

Lab File: VL043020.D

Acq: 30 Sep 2025 10:12

Instrument :

MSVOA_L

ClientSampleId :

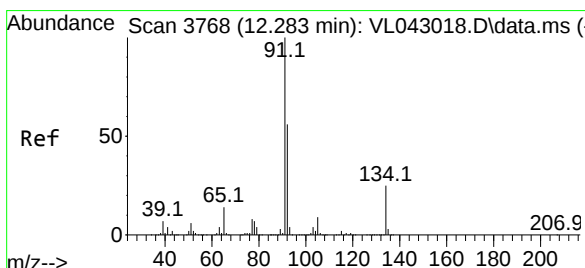
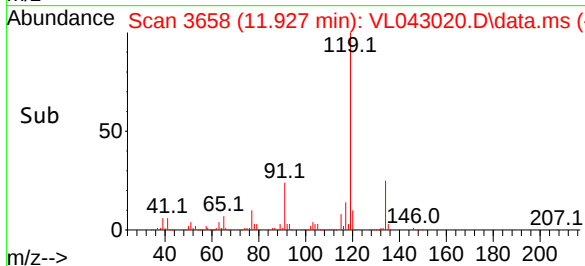
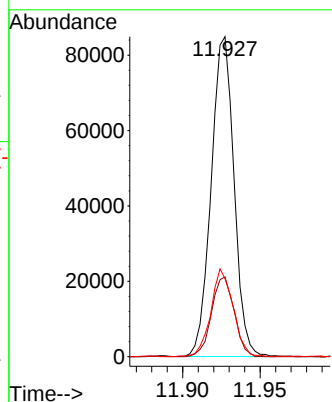
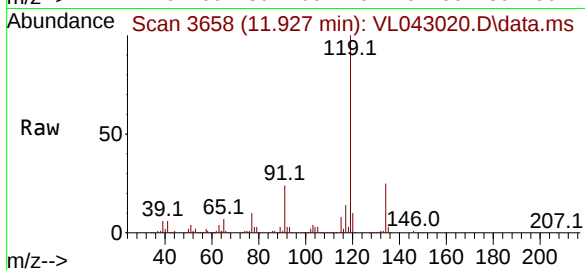
Tgt Ion:119 Resp: 86978

Ion Ratio Lower Upper

119 100

134 24.8 20.3 30.5

91 27.1 22.1 33.1



#70

n-Butylbenzene

Concen: 0.962 ppbv

RT: 12.283 min Scan# 3768

Delta R.T. 0.000 min

Lab File: VL043020.D

Acq: 30 Sep 2025 10:12

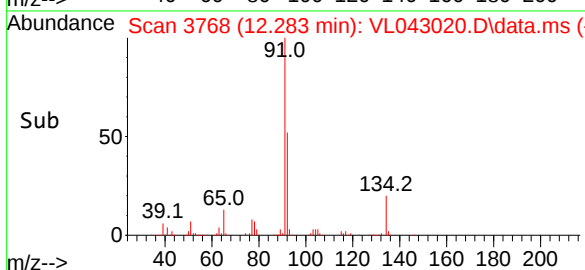
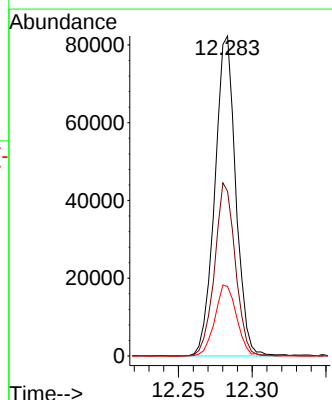
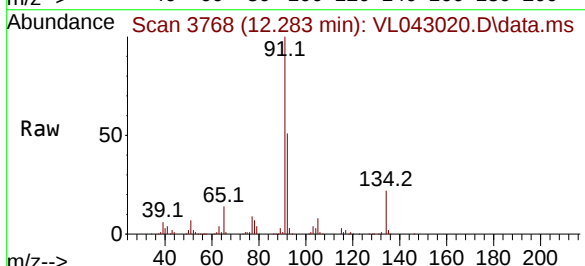
Tgt Ion: 91 Resp: 81356

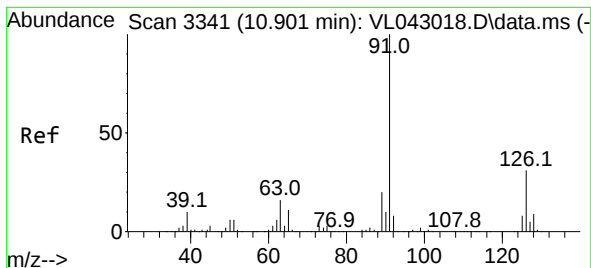
Ion Ratio Lower Upper

91 100

92 53.6 44.2 66.4

134 23.0 19.5 29.3

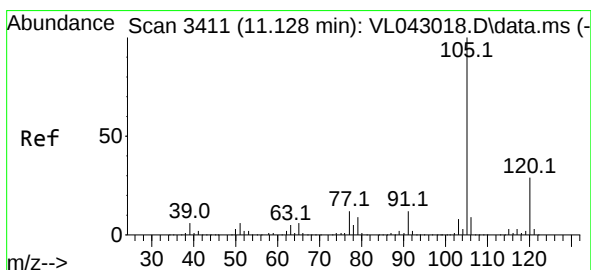
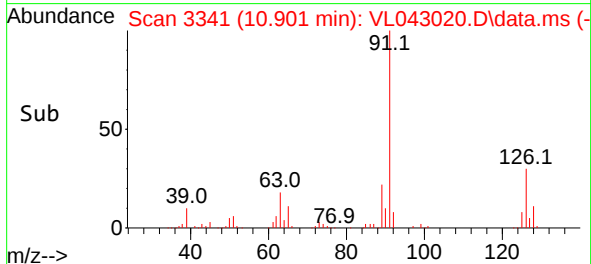
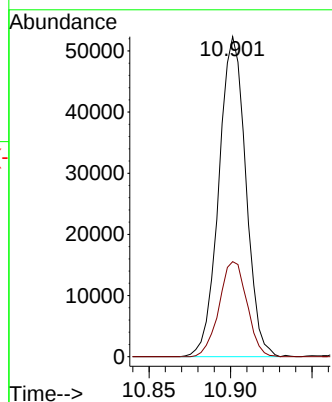
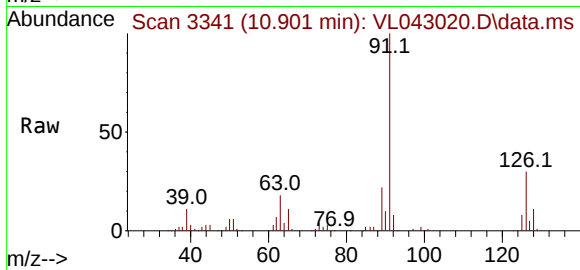




#71
2-Chlorotoluene
Concen: 0.970 ppbv
RT: 10.901 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

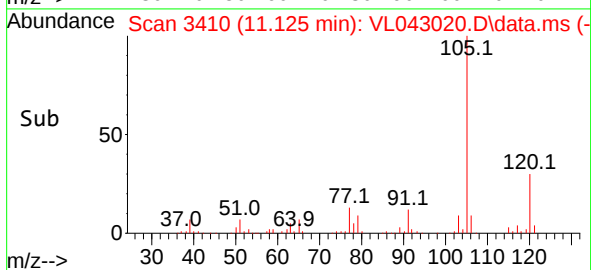
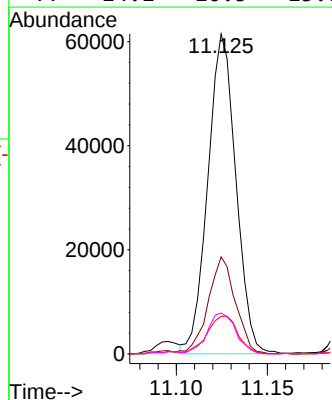
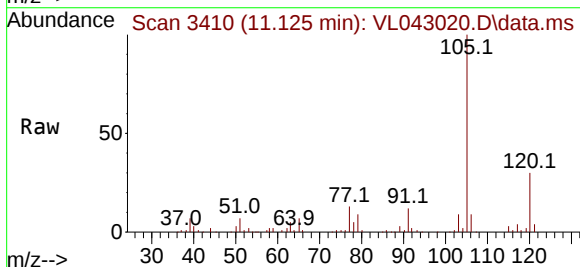
Instrument :
MSVOA_L
ClientSampleId :

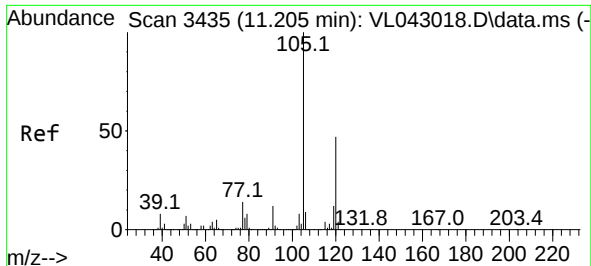
Tgt Ion: 91 Resp: 60194
Ion Ratio Lower Upper
91 100
126 30.5 12.3 49.3



#72
4-Ethyltoluene
Concen: 0.956 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. -0.003 min
Lab File: VL043020.D
Acq: 30 Sep 2025 10:12

Tgt Ion: 105 Resp: 65710
Ion Ratio Lower Upper
105 100
120 30.4 23.6 35.4
91 14.1 10.0 15.0
77 14.1 10.5 15.7

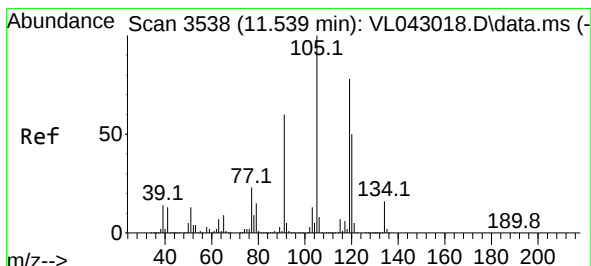
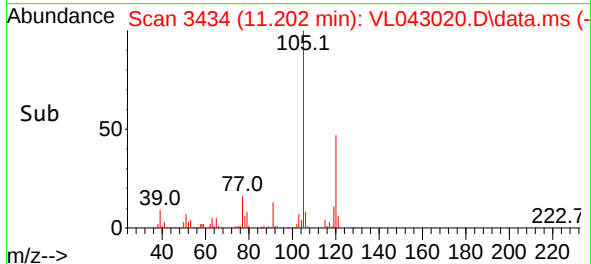
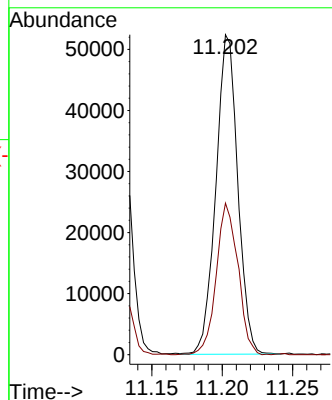
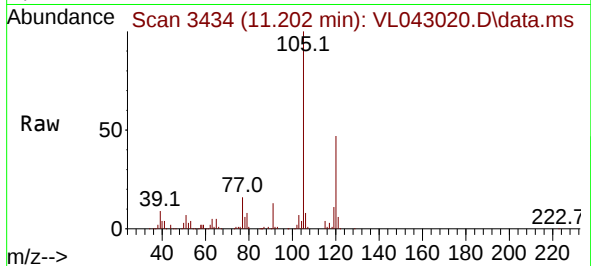




#73
 1,3,5-Trimethylbenzene
 Concen: 0.977 ppbv
 RT: 11.202 min Scan# 34
 Delta R.T. -0.003 min
 Lab File: VL043020.D
 Acq: 30 Sep 2025 10:12

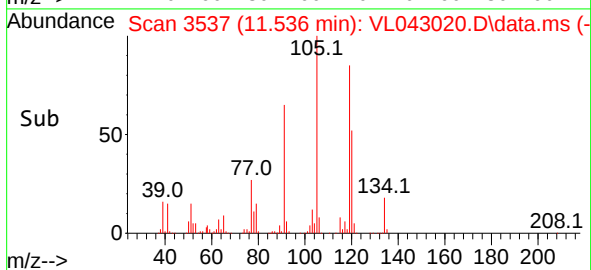
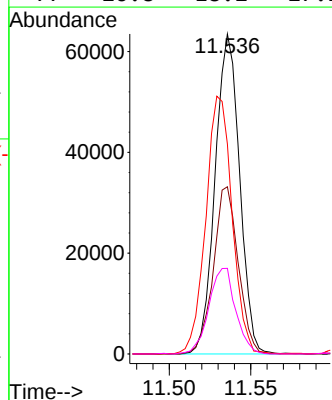
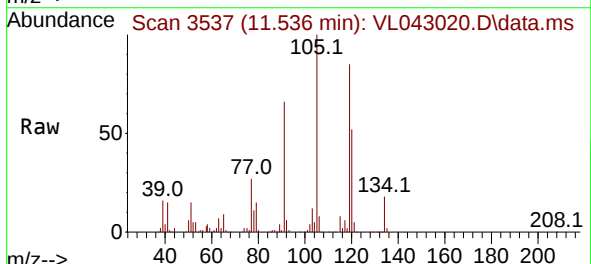
Instrument :
 MSVOA_L
 ClientSampleId :

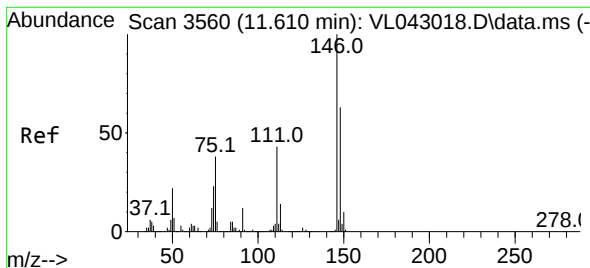
Tgt Ion:105 Resp: 56639
 Ion Ratio Lower Upper
 105 100
 120 47.3 37.4 56.2



#74
 1,2,4-Trimethylbenzene
 Concen: 1.013 ppbv
 RT: 11.536 min Scan# 3537
 Delta R.T. -0.003 min
 Lab File: VL043020.D
 Acq: 30 Sep 2025 10:12

Tgt Ion:105 Resp: 66257
 Ion Ratio Lower Upper
 105 100
 120 52.3 40.3 60.5
 91 65.5 47.7 71.5
 77 26.8 18.2 27.2





#75

1,3-Dichlorobenzene

Concen: 1.024 ppbv

RT: 11.607 min Scan# 3559

Delta R.T. -0.003 min

Lab File: VL043020.D

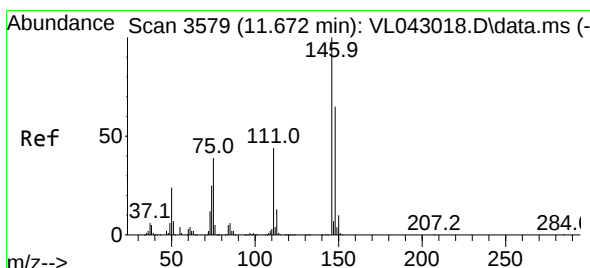
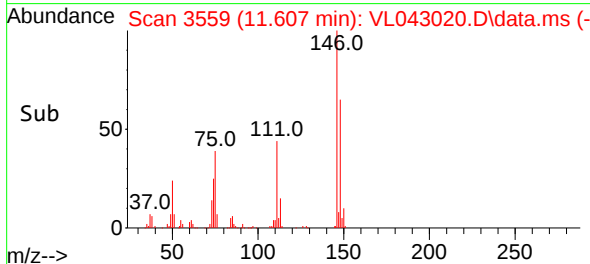
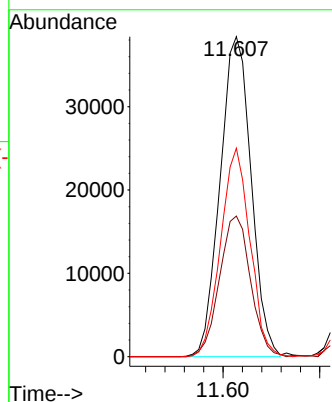
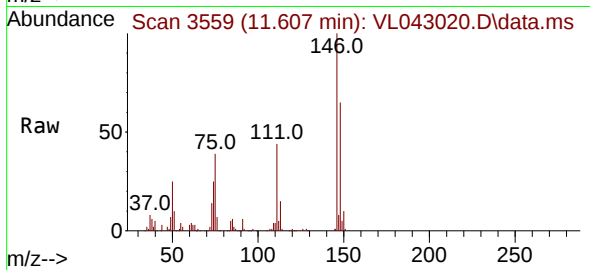
Acq: 30 Sep 2025 10:12

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:146	Resp:	42796
Ion Ratio	Lower	Upper
146	100	
111	44.2	22.0 66.0
148	61.6	31.9 95.7



#76

1,4-Dichlorobenzene

Concen: 0.995 ppbv

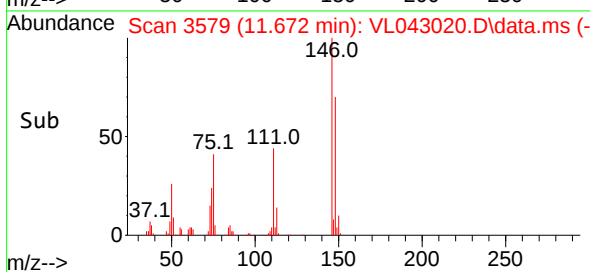
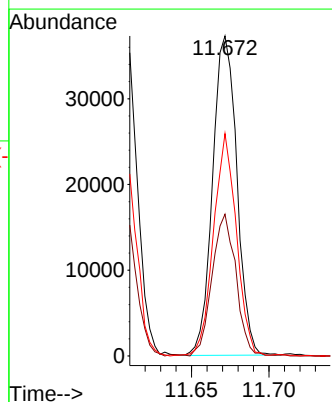
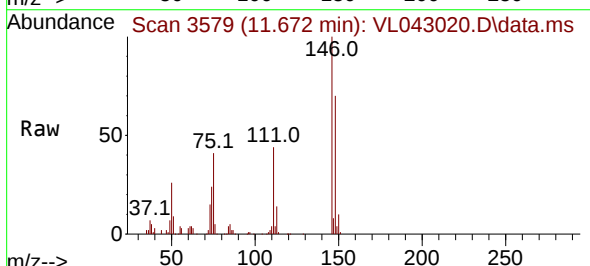
RT: 11.672 min Scan# 3579

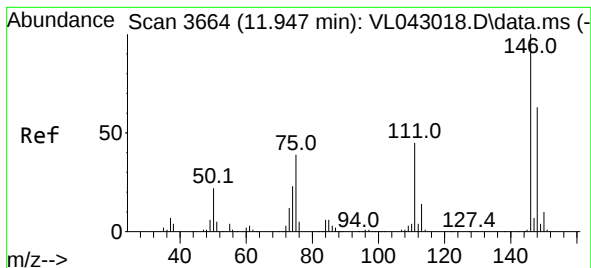
Delta R.T. 0.000 min

Lab File: VL043020.D

Acq: 30 Sep 2025 10:12

Tgt Ion:146	Resp:	40651
Ion Ratio	Lower	Upper
146	100	
111	43.7	21.9 65.5
148	66.1	32.4 97.2





#77

1,2-Dichlorobenzene

Concen: 1.044 ppbv

RT: 11.947 min Scan# 3

Delta R.T. 0.000 min

Lab File: VL043020.D

Acq: 30 Sep 2025 10:12

Instrument :

MSVOA_L

ClientSampleId :

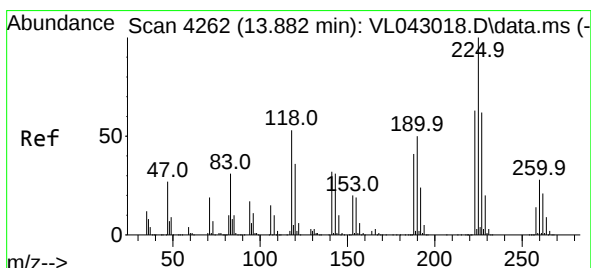
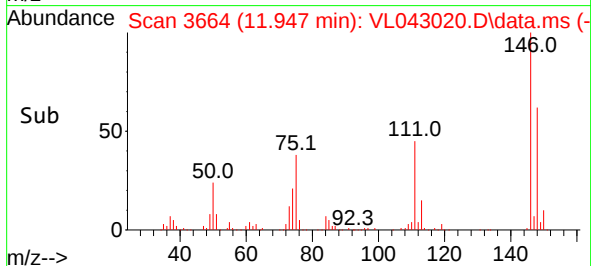
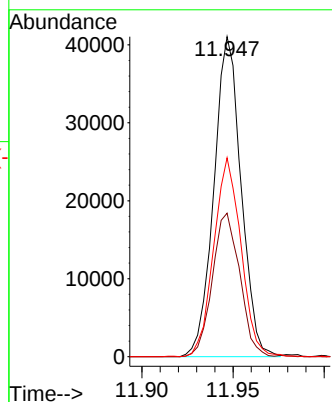
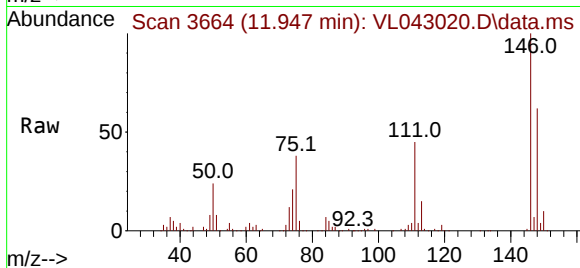
Tgt Ion:146 Resp: 42607

Ion Ratio Lower Upper

146 100

111 45.3 22.9 68.5

148 62.4 31.8 95.4



#78

Hexachloro-1,3-Butadiene

Concen: 1.077 ppbv

RT: 13.879 min Scan# 4261

Delta R.T. -0.003 min

Lab File: VL043020.D

Acq: 30 Sep 2025 10:12

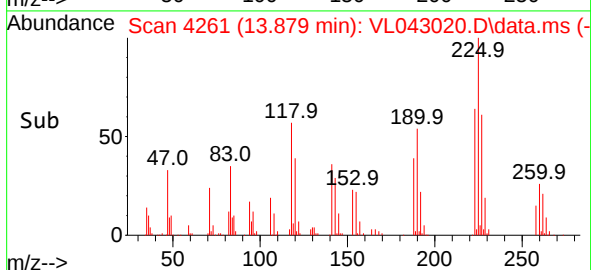
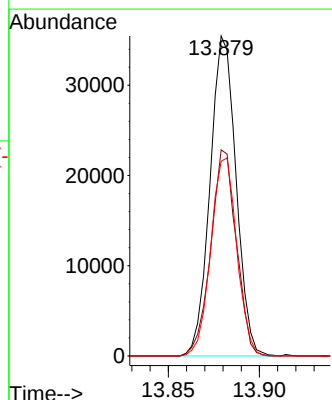
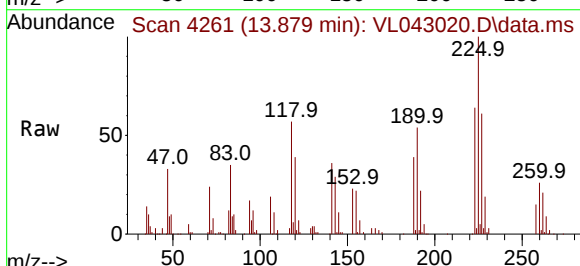
Tgt Ion:225 Resp: 35162

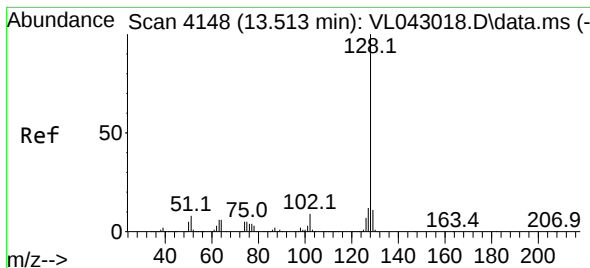
Ion Ratio Lower Upper

225 100

223 63.2 50.9 76.3

227 62.0 50.3 75.5





#79

Naphthalene

Concen: 0.965 ppbv

RT: 13.513 min Scan# 4148

Delta R.T. 0.000 min

Lab File: VL043020.D

Acq: 30 Sep 2025 10:12

Instrument :

MSVOA_L

ClientSampleId :

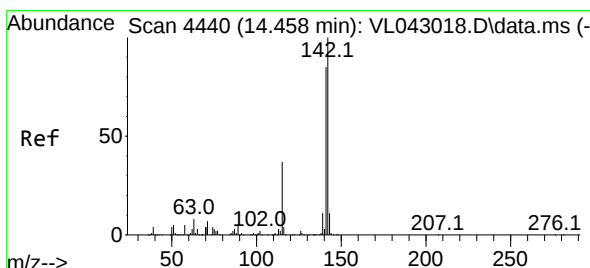
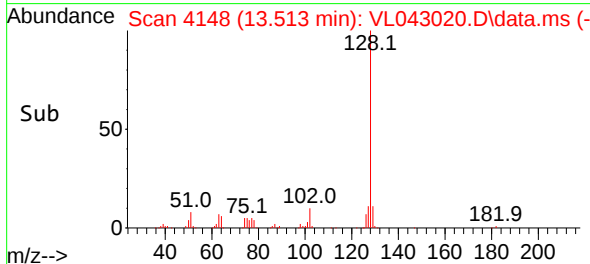
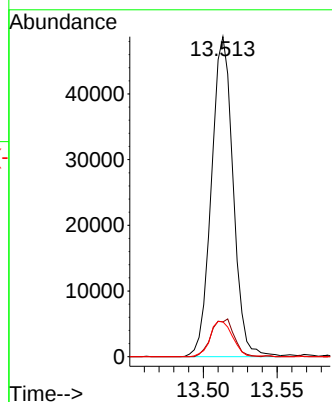
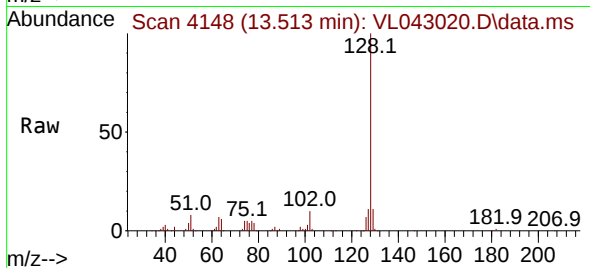
Tgt Ion:128 Resp: 49819

Ion Ratio Lower Upper

128 100

127 10.9 9.9 14.9

129 10.9 8.6 13.0



#80

Naphthalene,2-methyl-

Concen: 0.691 ppbv

RT: 14.458 min Scan# 4440

Delta R.T. 0.000 min

Lab File: VL043020.D

Acq: 30 Sep 2025 10:12

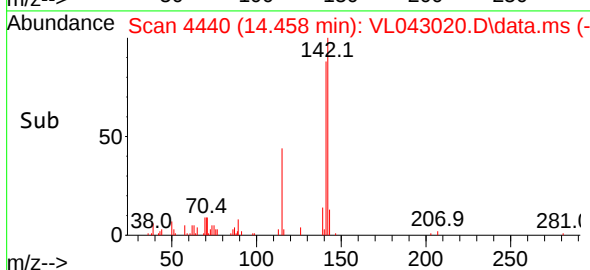
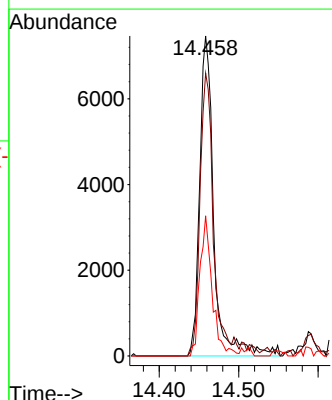
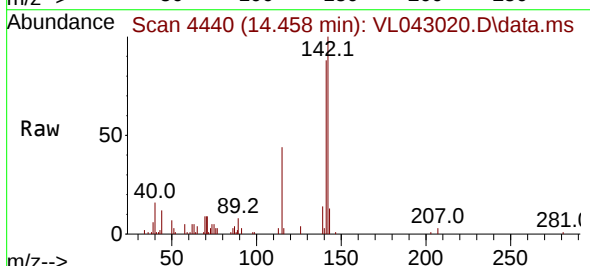
Tgt Ion:142 Resp: 9235

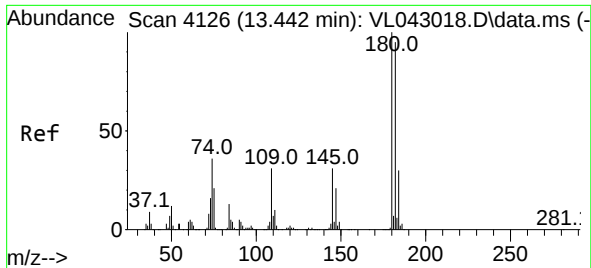
Ion Ratio Lower Upper

142 100

141 89.2 67.0 100.4

115 38.1 29.8 44.6





#81

1,2,4-Trichlorobenzene

Concen: 0.926 ppbv

RT: 13.439 min Scan# 41

Delta R.T. -0.003 min

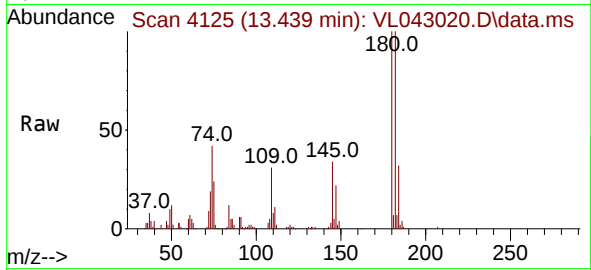
Lab File: VL043020.D

Acq: 30 Sep 2025 10:12

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 28977

Ion Ratio Lower Upper

180 100

182 95.8 75.8 113.8

184 29.7 24.2 36.4

