

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021425\
 Data File : VL042016.D
 Acq On : 14 Feb 2025 12:54
 Operator : SY/MD
 Sample : VSTDIC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 15 01:19:20 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021425AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

QLast Update : Sat Feb 15 01:17:03 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.777	49	95882	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.939	114	291851	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.865	117	265939	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.364 95 216186 9.855 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.600%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.492	85	33163	2.009	ppbv	99
3) Chlorodifluoromethane	1.470	51	35815	1.961	ppbv	97
4) Chloromethane	1.528	50	13109	2.044	ppbv #	87
5) Vinyl Chloride	1.573	62	12999	1.695	ppbv	93
6) Bromomethane	1.660	94	5638	1.896	ppbv	89
7) Chloroethane	1.699	64	4833	1.933	ppbv	96
8) Dichlorotetrafluoroethane	1.547	85	28149	1.939	ppbv	99
9) Propene	1.479	41	15336	1.943	ppbv	92
10) Heptane	4.962	43	17679	0.813	ppbv #	26
11) Trichlorofluoromethane	1.871	101	33699	2.029	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.130	101	26675	2.059	ppbv	94
13) Ethanol	1.716	45	1776	1.859	ppbv	84
14) Bromoethene	1.774	108	9853	2.037	ppbv #	97
15) Acetone	1.829	43	31902	2.016	ppbv	97
16) 1,3-Butadiene	1.602	39	14472	1.928	ppbv	99
17) tert-Butyl alcohol	2.033	59	38403	1.961	ppbv	98
18) 1,1-Dichloroethene	2.026	96	12701	2.016	ppbv	90
20) Methylene Chloride	2.052	84	11236	1.886	ppbv	96
21) Allyl Chloride	2.088	41	23447	2.059	ppbv	94
22) trans-1,2-Dichloroethene	2.330	96	13948	2.076	ppbv	98
23) Vinyl Acetate	2.450	43	16940	1.977	ppbv #	93
24) 1,1-Dichloroethane	2.398	63	26419	1.937	ppbv	99
25) Ethyl Acetate	2.826	43	87471	2.014	ppbv	98
26) Hexane	2.813	57	34825	1.998	ppbv	98
27) Carbon Disulfide	2.143	76	33514	2.044	ppbv #	55
28) Methyl tert-Butyl Ether	2.431	73	20473	1.921	ppbv #	87
29) Chloroform	2.839	83	50609	2.005	ppbv	91
30) Cyclohexane	3.839	84	30917	2.025	ppbv	98
31) cis-1,2-Dichloroethene	2.709	61	34025	1.975	ppbv	92
32) 1,1,1-Trichloroethane	3.353	97	53097	1.896	ppbv	98
34) 2-Butanone	2.547	43	50795	2.023	ppbv	96
35) Carbon Tetrachloride	3.748	117	51796	1.864	ppbv	98
36) Benzene	3.641	78	71850	2.032	ppbv	95
37) 1,2-Dichloroethane	3.204	62	39494	1.962	ppbv	97
38) Trichloroethene	4.525	130	16238	1.118	ppbv	95
39) 1,2-Dichloropropane	4.292	63	23932	1.825	ppbv	98
40) 1,4-Dioxane	4.583	88	5310	0.792	ppbv #	22
41) Tetrahydrofuran	3.046	42	28154	1.922	ppbv	98
42) Bromodichloromethane	4.473	83	29329	1.075	ppbv	90
43) Methyl Methacrylate	4.862	69	29831	1.877	ppbv	97
44) 2,2,4-Trimethylpentane	4.619	57	119979	1.999	ppbv	98
45) t-1,3-Dichloropropene	6.396	75	30442	1.998	ppbv	90
46) cis-1,3-Dichloropropene	5.574	75	38510	1.995	ppbv	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021425\
 Data File : VL042016.D
 Acq On : 14 Feb 2025 12:54
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 Sample : VSTDIC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

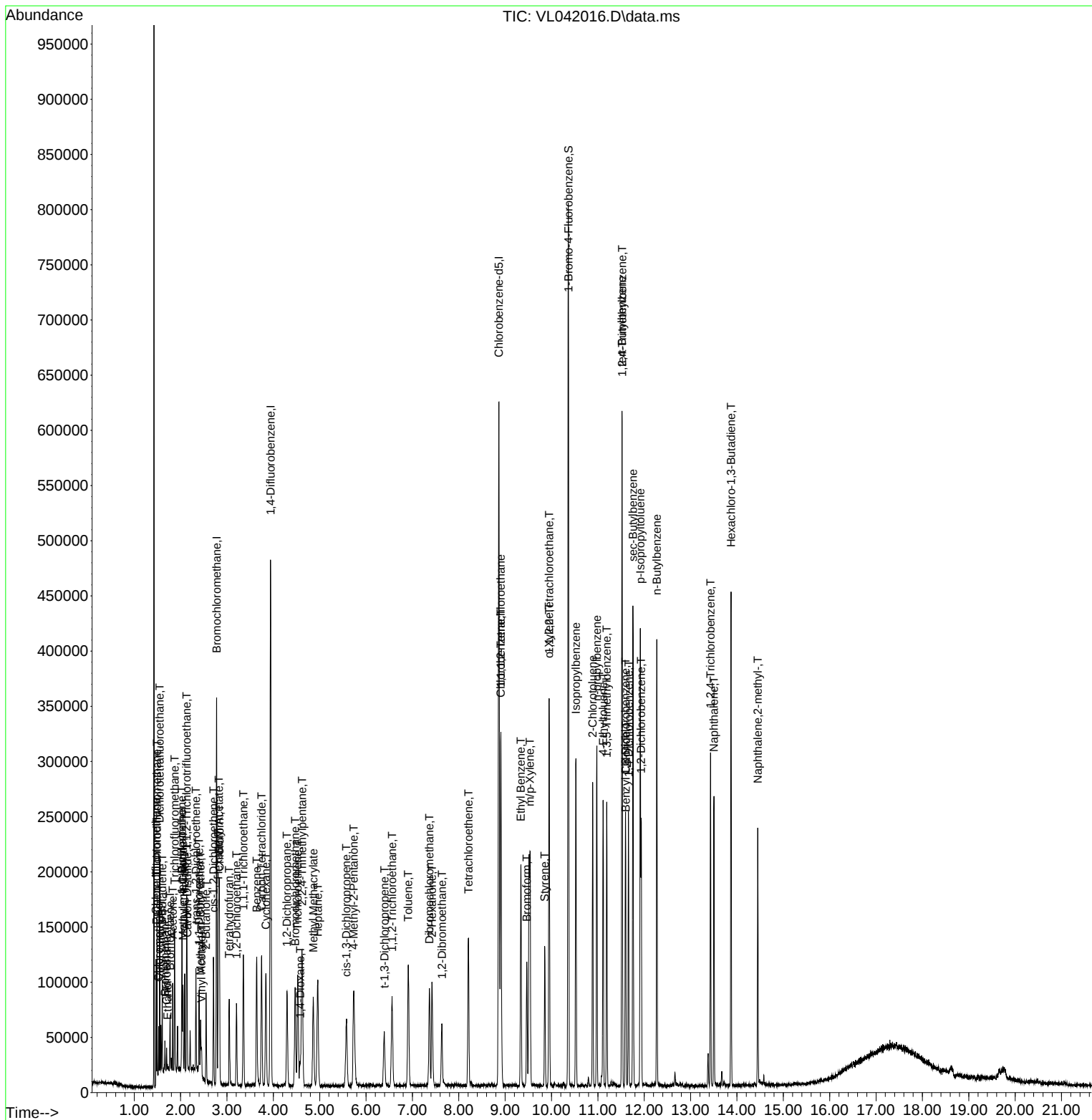
Instrument :
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 ClientSampleId :

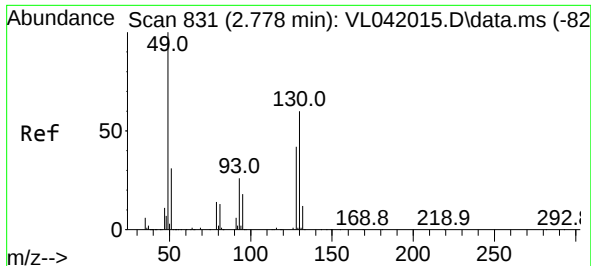
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Sat Feb 15 01:17:03 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 1,1,2-Trichloroethane	6.561	97	16988	1.245	ppbv	94
48) Dibromochloromethane	7.367	129	45191	1.994	ppbv	99
49) Bromoform	9.464	173	37852	2.020	ppbv	99
50) 4-Methyl-2-Pentanone	5.732	43	38266	0.981	ppbv #	38
51) 2-Hexanone	7.422	43	65982	2.063	ppbv #	99
52) Tetrachloroethene	8.208	164	23428	1.898	ppbv #	89
53) Toluene	6.907	91	84140	2.011	ppbv	98
54) 1,2-Dibromoethane	7.639	107	37468	1.969	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.907	131	36347	1.915	ppbv	96
57) Chlorobenzene	8.904	112	63525	2.031	ppbv	98
58) Ethyl Benzene	9.338	91	117160	2.013	ppbv	99
59) m/p-Xylene	9.535	91	75946	1.655	ppbv #	1
60) o-Xylene	9.946	91	95782	2.066	ppbv	99
61) Styrene	9.852	104	44870	2.029	ppbv	98
62) Isopropylbenzene	10.526	105	145953	2.097	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.950	83	56061	1.874	ppbv	98
64) n-propylbenzene	10.979	120	34873	2.039	ppbv	97
65) tert-Butylbenzene	11.519	119	127460	2.100	ppbv	98
66) Benzyl Chloride	11.600	91	12799	2.091	ppbv	99
67) sec-Butylbenzene	11.756	105	177152	2.078	ppbv	99
69) p-Isopropyltoluene	11.914	119	146974	2.106	ppbv	99
70) n-Butylbenzene	12.270	91	145476	2.117	ppbv	100
71) 2-Chlorotoluene	10.888	91	107212	2.045	ppbv	100
72) 4-Ethyltoluene	11.111	105	115331	2.120	ppbv	99
73) 1,3,5-Trimethylbenzene	11.192	105	94699	2.021	ppbv	97
74) 1,2,4-Trimethylbenzene	11.523	105	106415	2.116	ppbv #	87
75) 1,3-Dichlorobenzene	11.594	146	56520	2.088	ppbv	98
76) 1,4-Dichlorobenzene	11.662	146	55589	2.106	ppbv	98
77) 1,2-Dichlorobenzene	11.934	146	53985	2.086	ppbv	99
78) Hexachloro-1,3-Butadiene	13.872	225	47301	2.209	ppbv	97
79) Naphthalene	13.503	128	120541	2.437	ppbv	96
80) Naphthalene,2-methyl-	14.448	142	66327	2.950	ppbv	99
81) 1,2,4-Trichlorobenzene	13.429	180	46544	2.315	ppbv	96

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

Quant Time: Feb 15 01:19:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021425AIR.M
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QLast Update : Sat Feb 15 01:17:03 2025
Response via : Initial Calibration

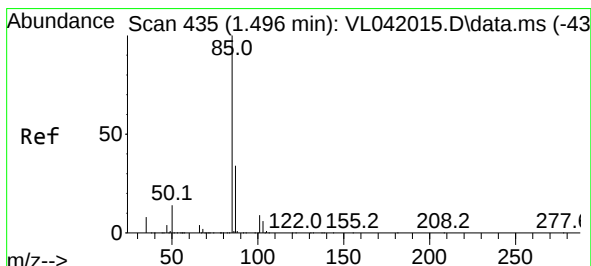
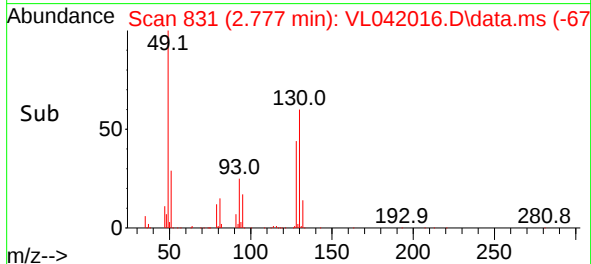
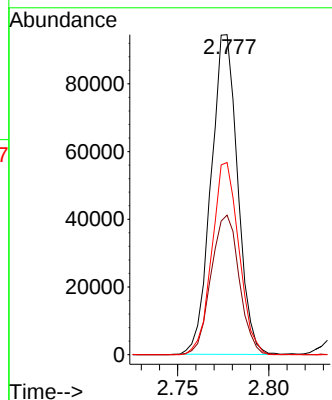
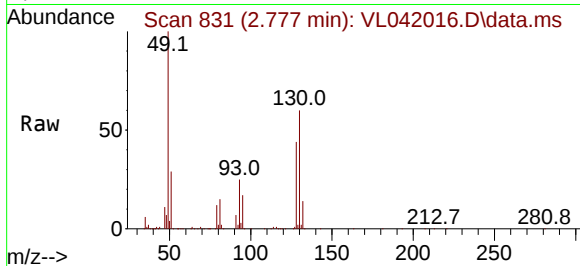




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.777 min Scan# 831
 Delta R.T. -0.001 min
 Lab File: VL042016.D
 Acq: 14 Feb 2025 12:54

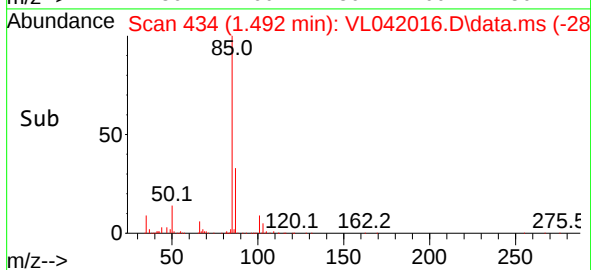
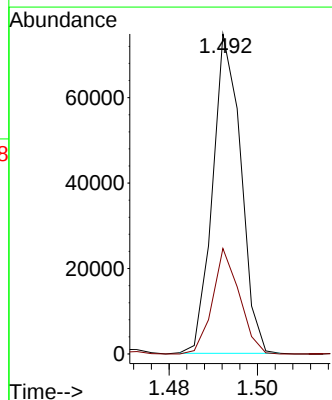
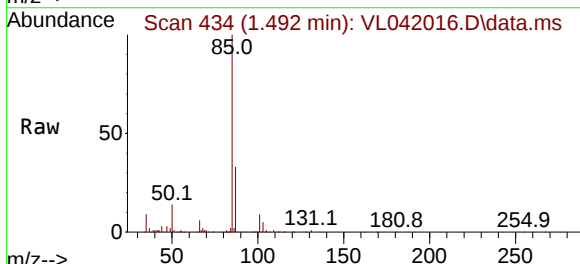
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 MSVOA_L
 ClientSampleId :

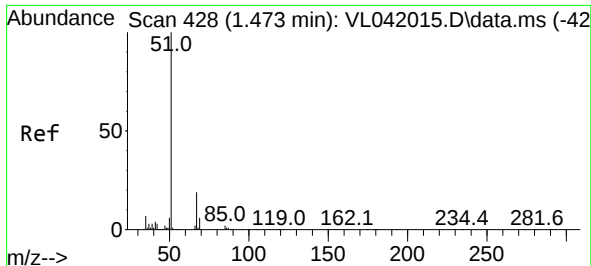
Tgt Ion: 49 Resp: 95882
 Ion Ratio Lower Upper
 49 100
 128 46.2 22.7 68.0
 130 60.9 29.9 89.8



#2
 Dichlorodifluoromethane
 Concen: 2.009 ppbv
 RT: 1.492 min Scan# 434
 Delta R.T. -0.004 min
 Lab File: VL042016.D
 Acq: 14 Feb 2025 12:54

Tgt Ion: 85 Resp: 33163
 Ion Ratio Lower Upper
 85 100
 87 33.0 26.9 40.3

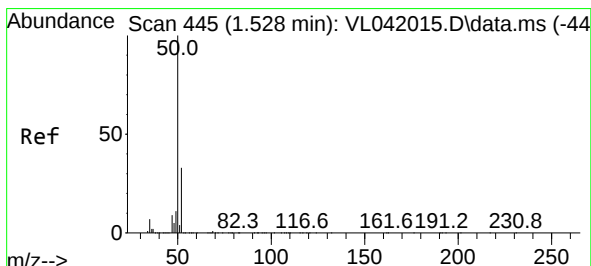
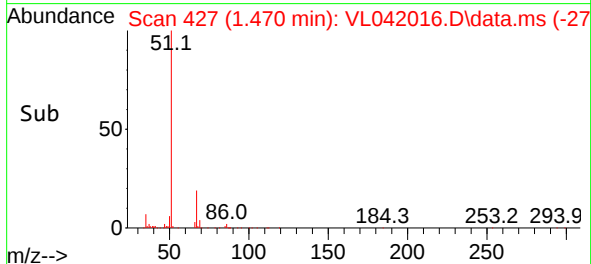
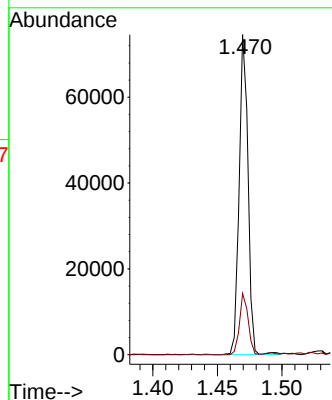
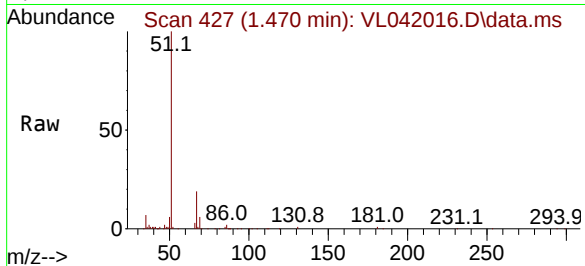




#3
Chlorodifluoromethane
Concen: 1.961 ppbv
RT: 1.470 min Scan# 41
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

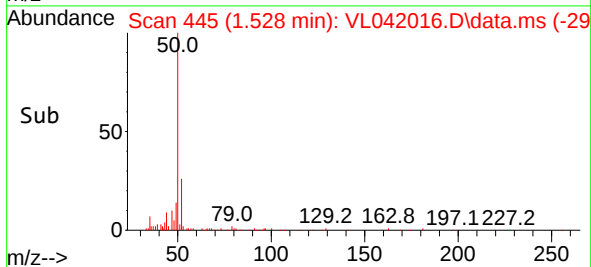
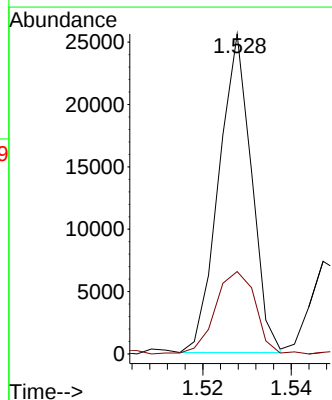
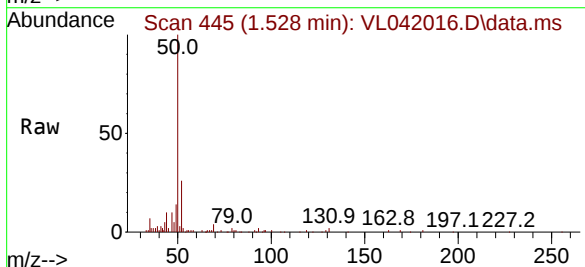
Instrument :
MSVOA_L
ClientSampleId :

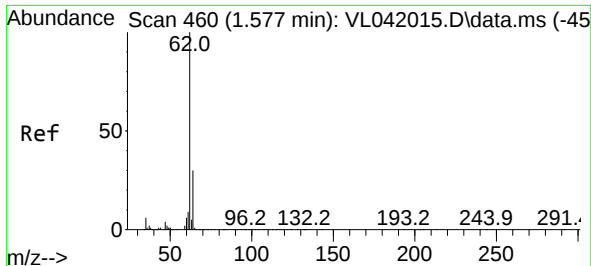
Tgt Ion: 51 Resp: 35815
Ion Ratio Lower Upper
51 100
67 20.2 15.0 22.6



#4
Chloromethane
Concen: 2.044 ppbv
RT: 1.528 min Scan# 445
Delta R.T. -0.001 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

Tgt Ion: 50 Resp: 13109
Ion Ratio Lower Upper
50 100
52 25.6 26.2 39.2#

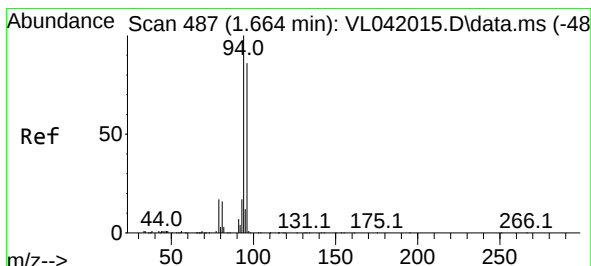
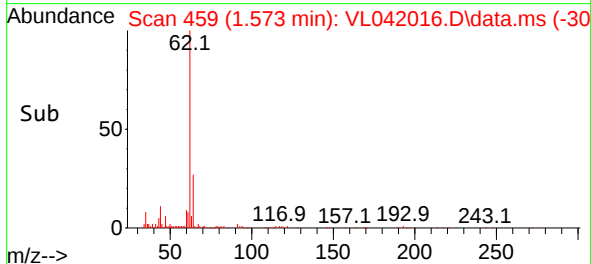
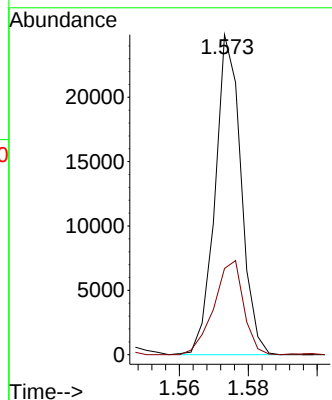
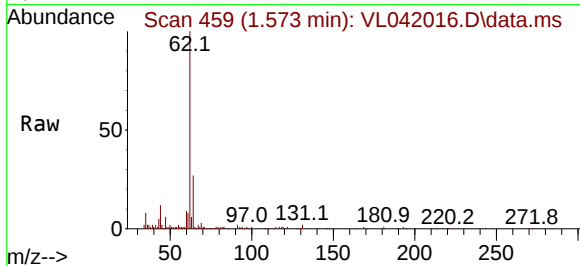




#5
 Vinyl Chloride
 Concen: 1.695 ppbv
 RT: 1.573 min Scan# 41
 Delta R.T. -0.004 min
 Lab File: VL042016.D
 Acq: 14 Feb 2025 12:54

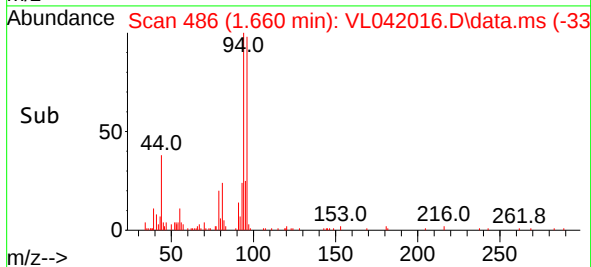
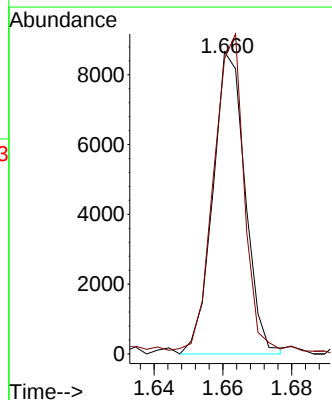
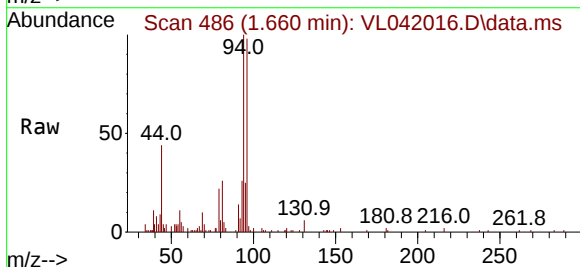
Instrument :
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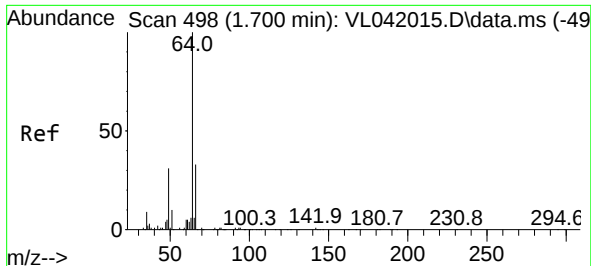
Tgt Ion: 62 Resp: 12999
 Ion Ratio Lower Upper
 62 100
 64 26.9 24.4 36.6



#6
 Bromomethane
 Concen: 1.896 ppbv
 RT: 1.660 min Scan# 486
 Delta R.T. -0.004 min
 Lab File: VL042016.D
 Acq: 14 Feb 2025 12:54

Tgt Ion: 94 Resp: 5638
 Ion Ratio Lower Upper
 94 100
 96 96.1 69.0 103.6

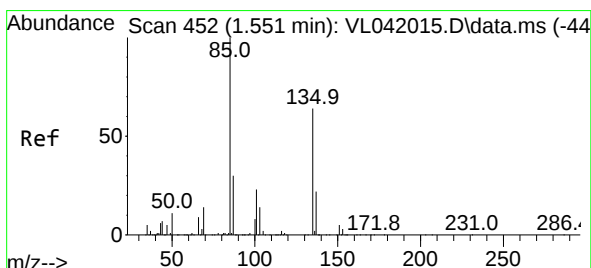
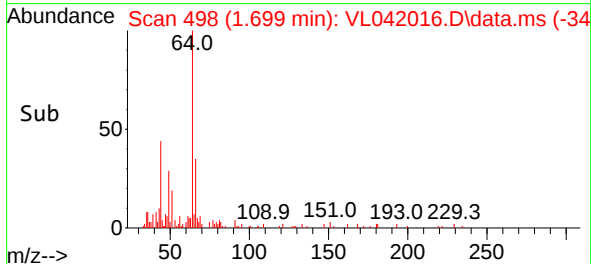
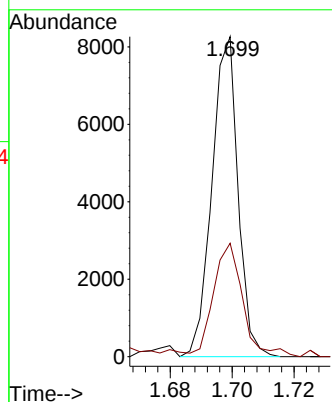
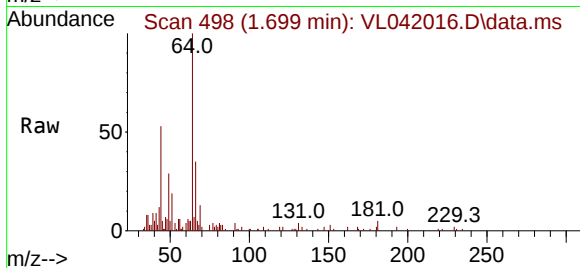




#7
Chloroethane
Concen: 1.933 ppbv
RT: 1.699 min Scan# 498
Delta R.T. -0.001 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

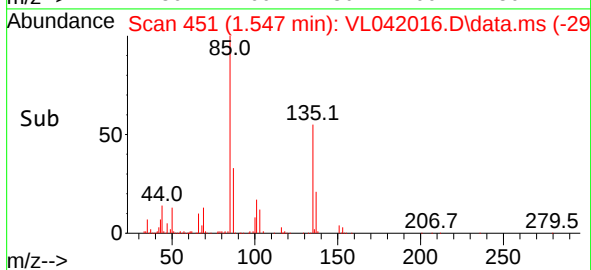
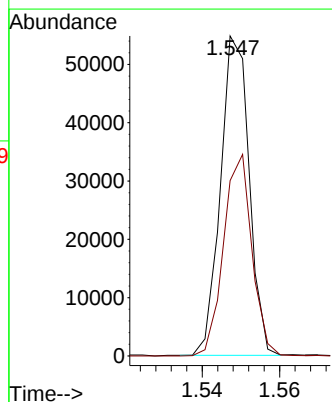
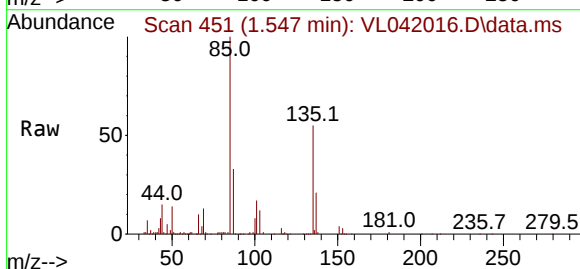
Instrument :
MSVOA_L
ClientSampleId :

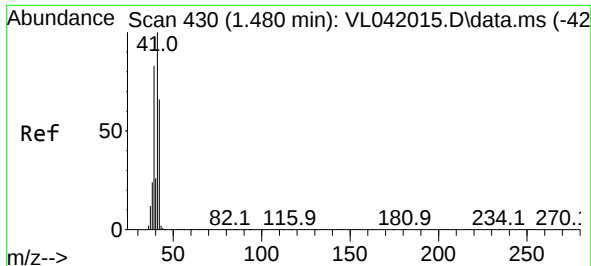
Tgt Ion: 64 Resp: 4833
Ion Ratio Lower Upper
64 100
66 35.5 26.5 39.7



#8
Dichlorotetrafluoroethane
Concen: 1.939 ppbv
RT: 1.547 min Scan# 451
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

Tgt Ion: 85 Resp: 28149
Ion Ratio Lower Upper
85 100
135 62.5 50.9 76.3





#9

Propene

Concen: 1.943 ppbv

RT: 1.479 min Scan# 41

Delta R.T. -0.001 min

Lab File: VL042016.D

Acq: 14 Feb 2025 12:54

Instrument :

MSVOA_L

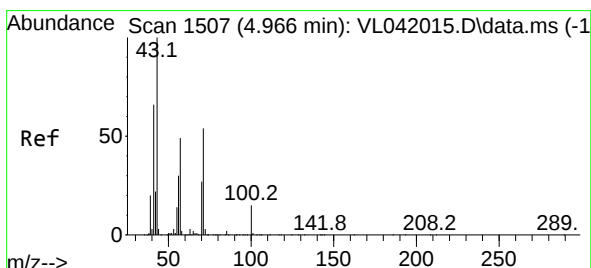
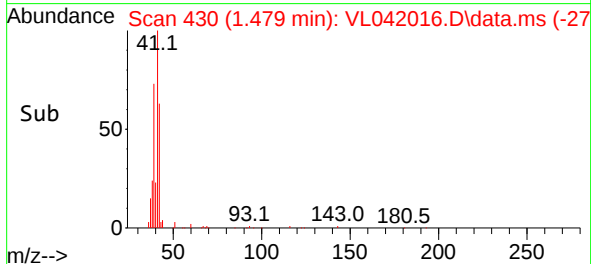
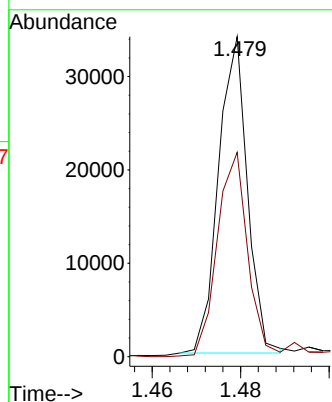
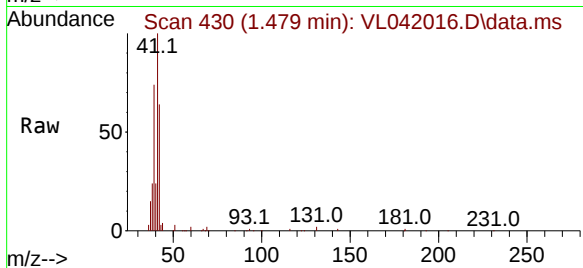
ClientSampleId :

Tgt Ion: 41 Resp: 15336

Ion Ratio Lower Upper

41 100

42 73.3 53.5 80.3



#10

Heptane

Concen: 0.813 ppbv

RT: 4.962 min Scan# 1506

Delta R.T. -0.004 min

Lab File: VL042016.D

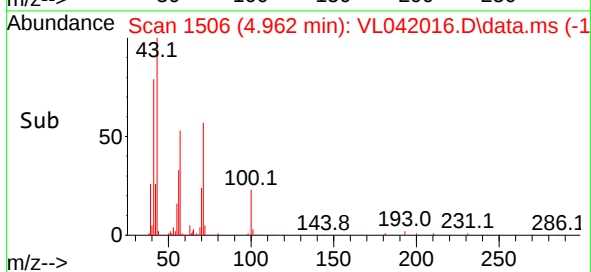
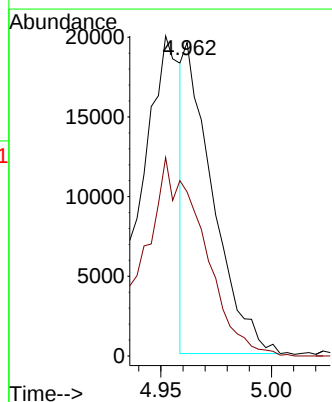
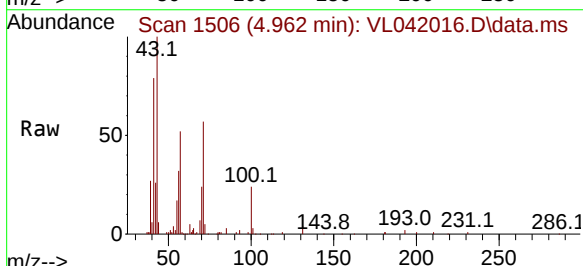
Acq: 14 Feb 2025 12:54

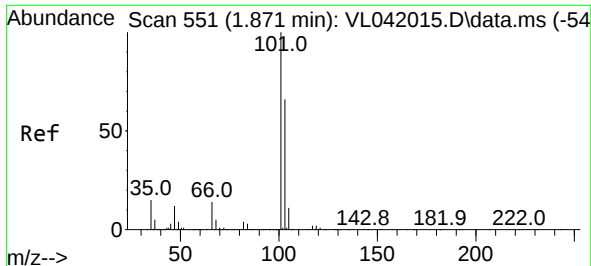
Tgt Ion: 43 Resp: 17679

Ion Ratio Lower Upper

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57 0.0 41.0 61.6#

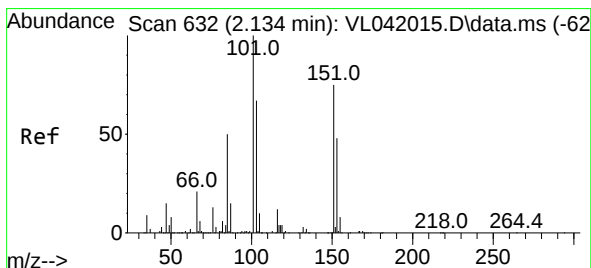
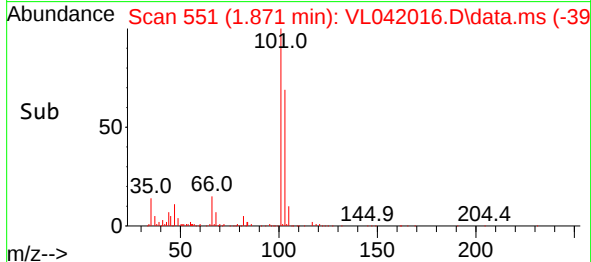
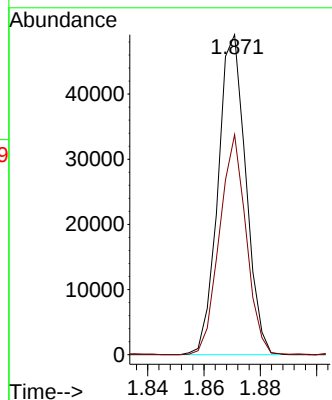
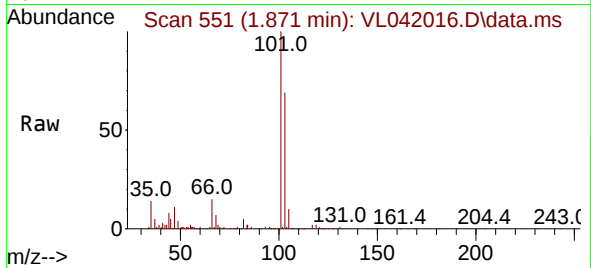




#11
 Trichlorofluoromethane
 Concen: 2.029 ppbv
 RT: 1.871 min Scan# 551
 Delta R.T. -0.001 min
 Lab File: VL042016.D
 Acq: 14 Feb 2025 12:54

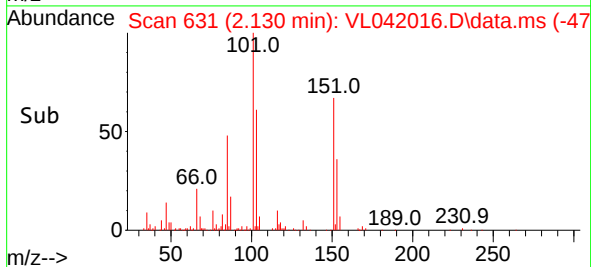
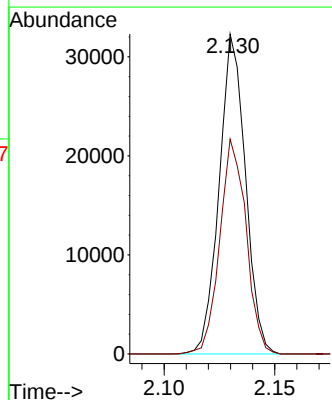
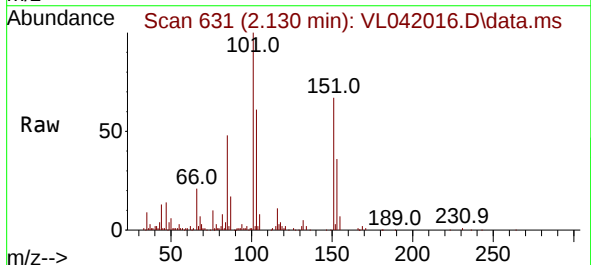
Instrument :
 MSVOA_L
 ClientSampleId :

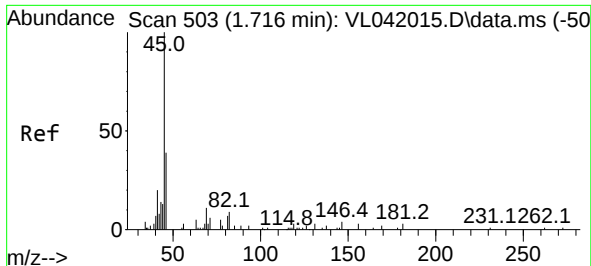
Tgt Ion:101 Resp: 33699
 Ion Ratio Lower Upper
 101 100
 103 68.5 52.9 79.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.059 ppbv
 RT: 2.130 min Scan# 631
 Delta R.T. -0.004 min
 Lab File: VL042016.D
 Acq: 14 Feb 2025 12:54

Tgt Ion:101 Resp: 26675
 Ion Ratio Lower Upper
 101 100
 151 67.3 58.2 87.2





#13

Ethanol

Concen: 1.859 ppbv

RT: 1.716 min Scan# 503

Delta R.T. -0.001 min

Lab File: VL042016.D

Acq: 14 Feb 2025 12:54

Instrument :

MSVOA_L

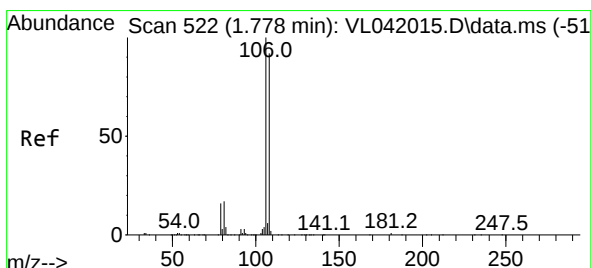
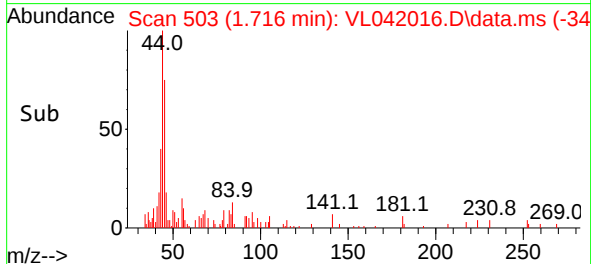
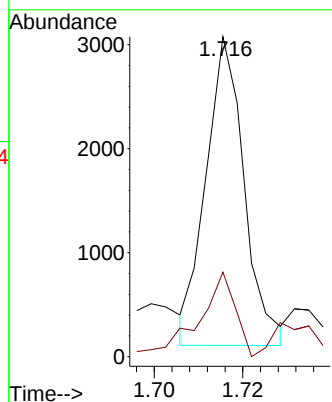
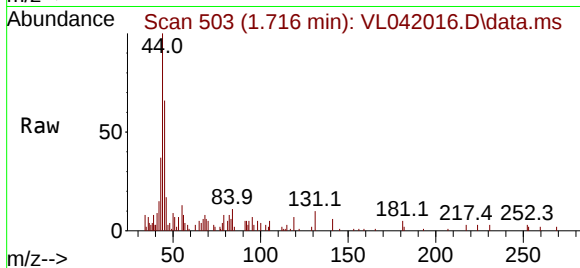
ClientSampleId :

Tgt Ion: 45 Resp: 1776

Ion Ratio Lower Upper

45 100

46 41.7 21.3 85.1



#14

Bromoethene

Concen: 2.037 ppbv

RT: 1.774 min Scan# 521

Delta R.T. -0.004 min

Lab File: VL042016.D

Acq: 14 Feb 2025 12:54

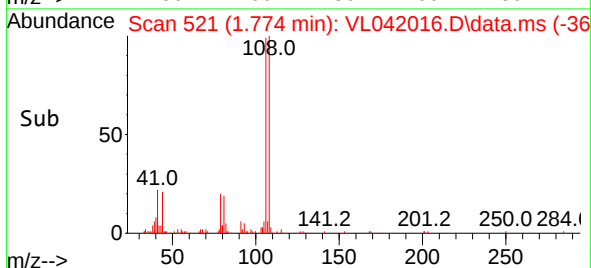
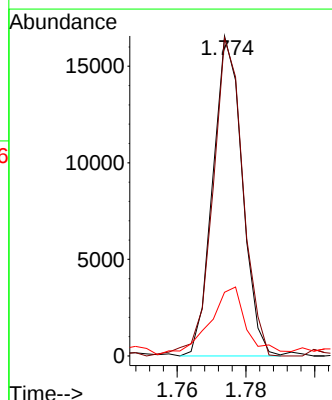
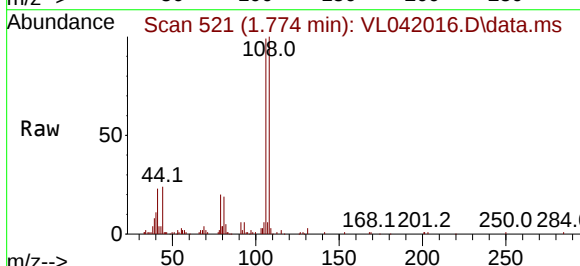
Tgt Ion: 108 Resp: 9853

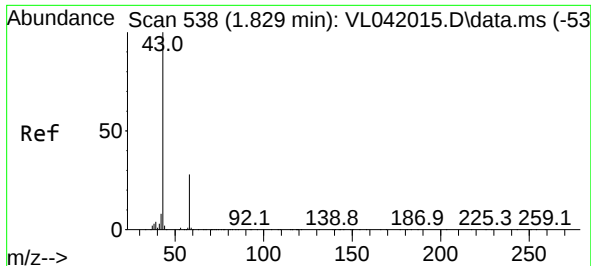
Ion Ratio Lower Upper

108 100

106 104.4 85.0 127.6

79 26.2 17.3 25.9#

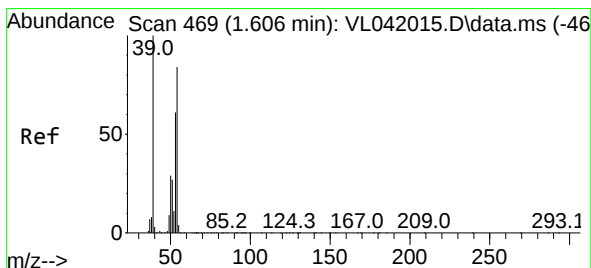
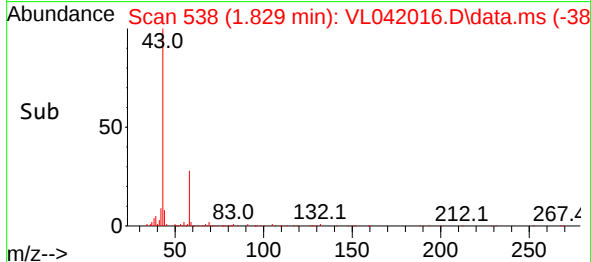
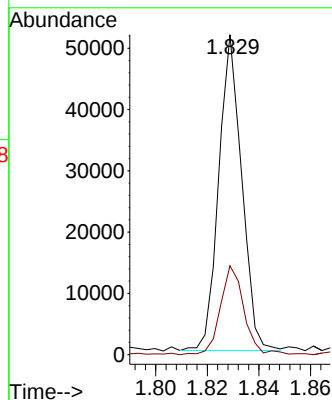
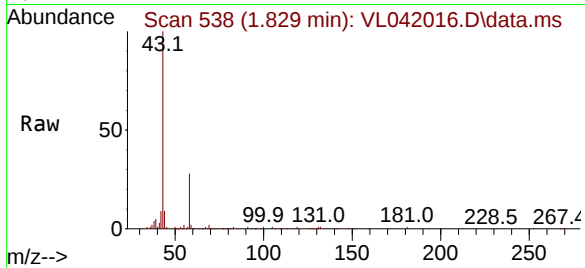




#15
Acetone
Concen: 2.016 ppbv
RT: 1.829 min Scan# 51
Delta R.T. -0.001 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

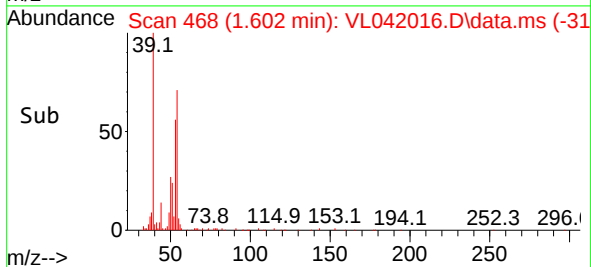
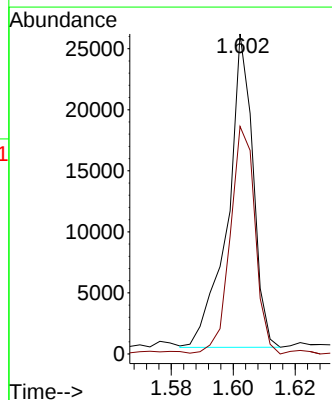
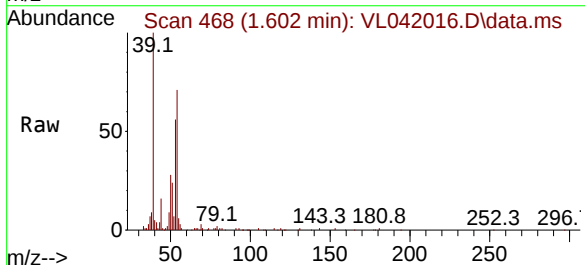
Instrument :
MSVOA_L
ClientSampleId :

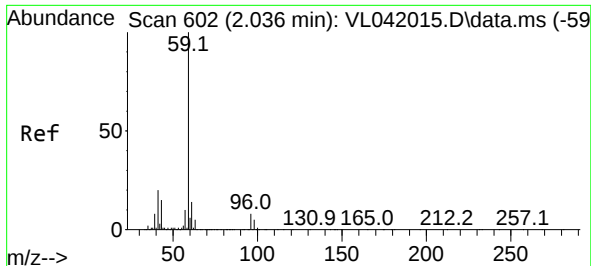
Tgt Ion: 43 Resp: 31902
Ion Ratio Lower Upper
43 100
58 30.4 22.9 34.3



#16
1,3-Butadiene
Concen: 1.928 ppbv
RT: 1.602 min Scan# 468
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

Tgt Ion: 39 Resp: 14472
Ion Ratio Lower Upper
39 100
54 74.8 59.4 89.2





#17

tert-Butyl alcohol

Concen: 1.961 ppbv

RT: 2.033 min Scan# 602

Delta R.T. -0.004 min

Lab File: VL042016.D

Acq: 14 Feb 2025 12:54

Instrument :

MSVOA_L

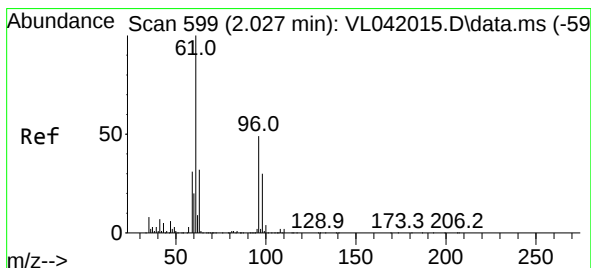
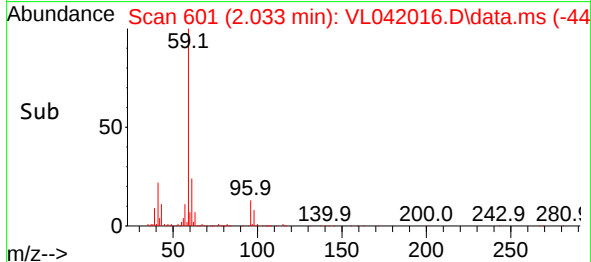
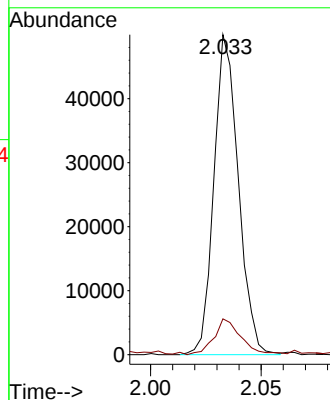
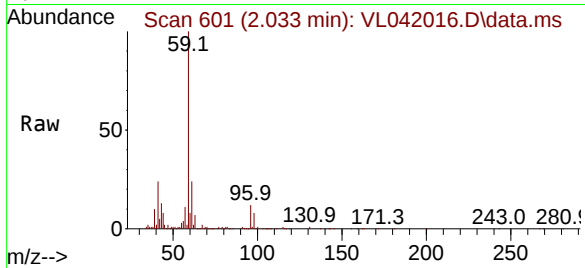
ClientSampleId :

Tgt Ion: 59 Resp: 38403

Ion Ratio Lower Upper

59 100

57 12.1 9.2 13.8



#18

1,1-Dichloroethene

Concen: 2.016 ppbv

RT: 2.026 min Scan# 599

Delta R.T. -0.001 min

Lab File: VL042016.D

Acq: 14 Feb 2025 12:54

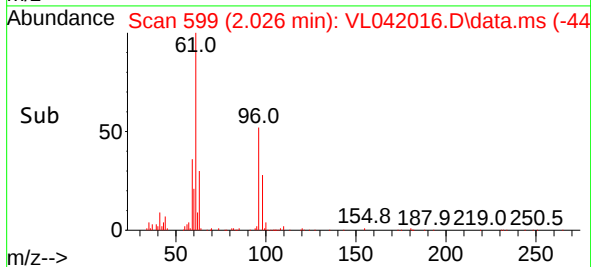
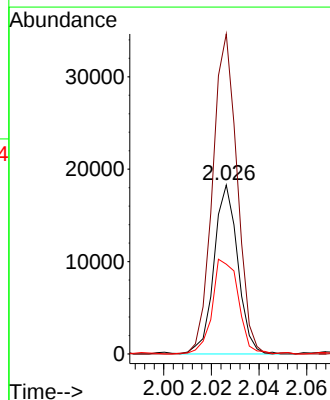
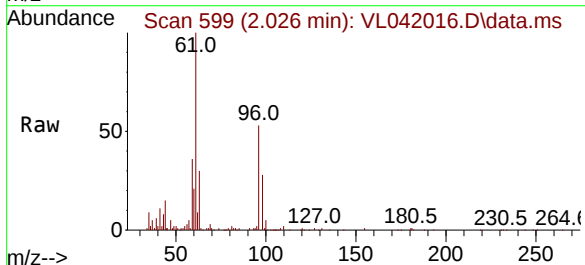
Tgt Ion: 96 Resp: 12701

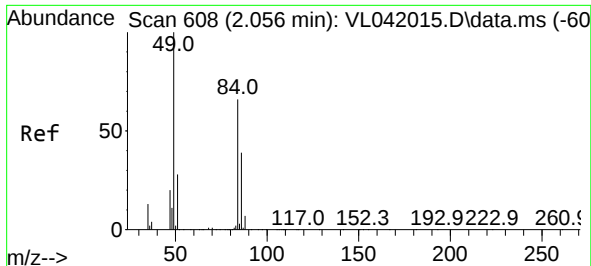
Ion Ratio Lower Upper

96 100

61 189.3 163.5 245.3

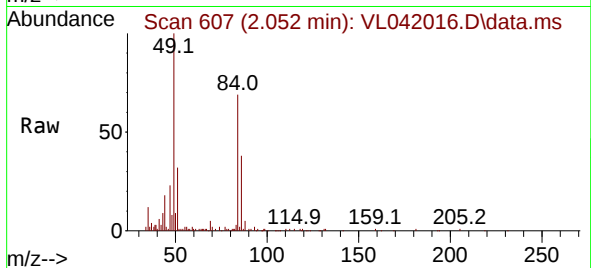
98 52.6 49.4 74.0



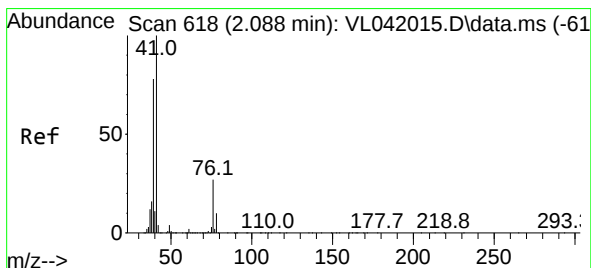
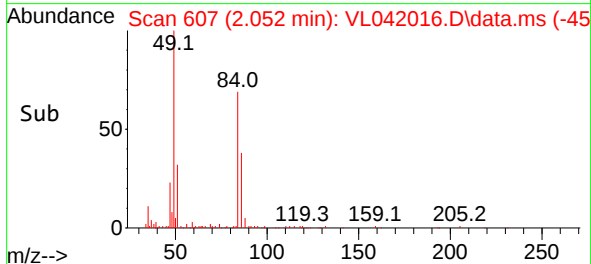
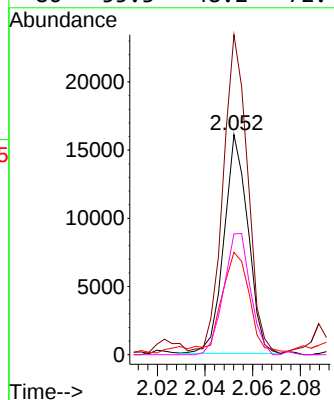


#20
Methylene Chloride
Concen: 1.886 ppbv
RT: 2.052 min Scan# 608
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :

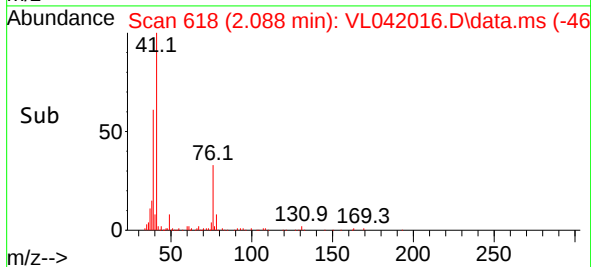
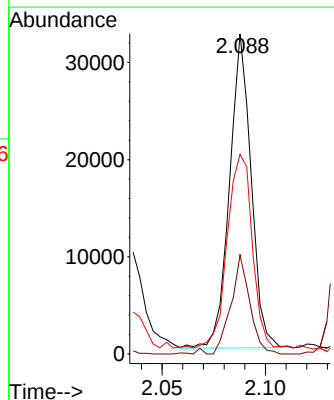
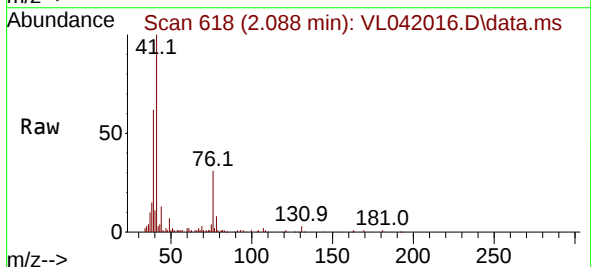


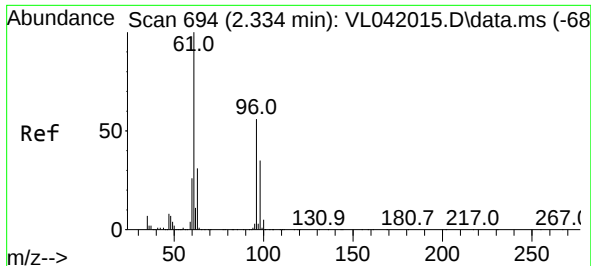
Tgt Ion:	84	Resp:	11236
Ion	Ratio	Lower	Upper
84	100		
49	145.8	121.0	181.4
51	45.1	35.1	52.7
86	55.3	48.2	72.4



#21
Allyl Chloride
Concen: 2.059 ppbv
RT: 2.088 min Scan# 618
Delta R.T. -0.001 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

Tgt Ion:	41	Resp:	23447
Ion	Ratio	Lower	Upper
41	100		
76	27.9	23.7	35.5
39	72.8	63.0	94.6

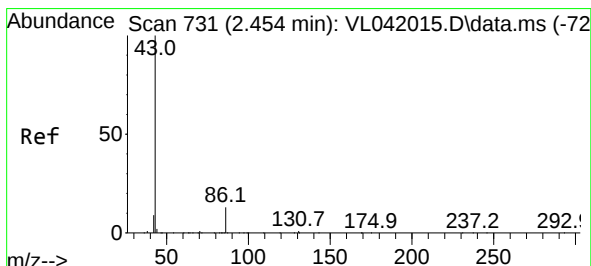
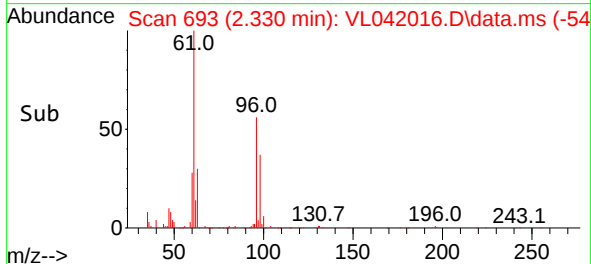
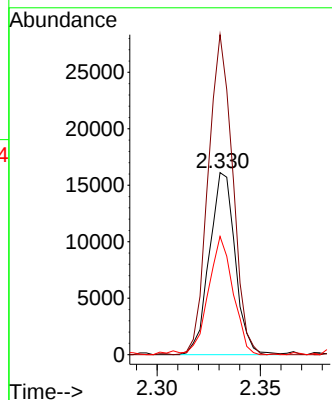
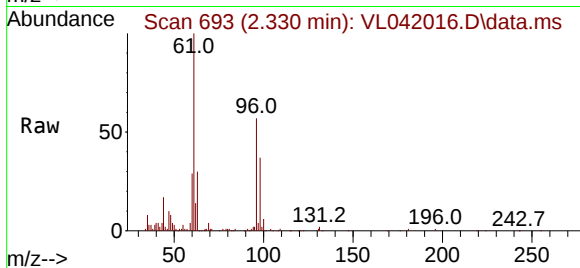




#22
trans-1,2-Dichloroethene
Concen: 2.076 ppbv
RT: 2.330 min Scan# 694
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

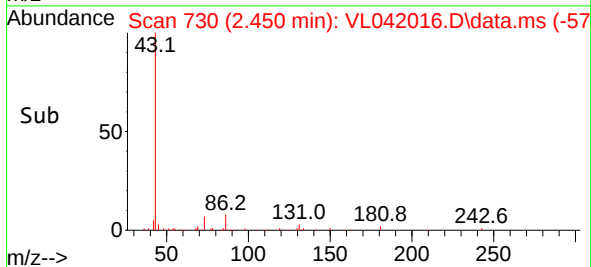
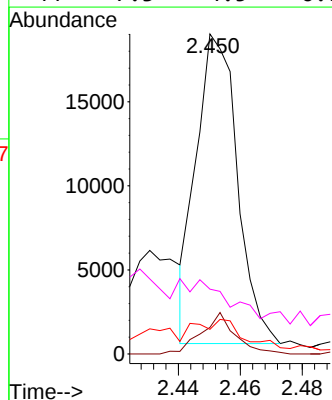
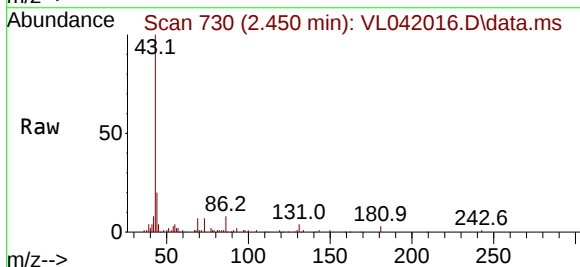
Instrument :
MSVOA_L
ClientSampleId :

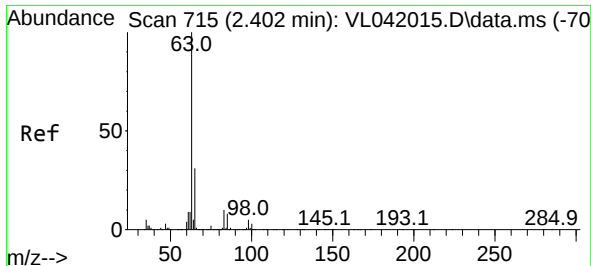
Tgt Ion: 96 Resp: 13948
Ion Ratio Lower Upper
96 100
61 175.4 142.3 213.5
98 65.0 50.2 75.2



#23
Vinyl Acetate
Concen: 1.977 ppbv
RT: 2.450 min Scan# 730
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

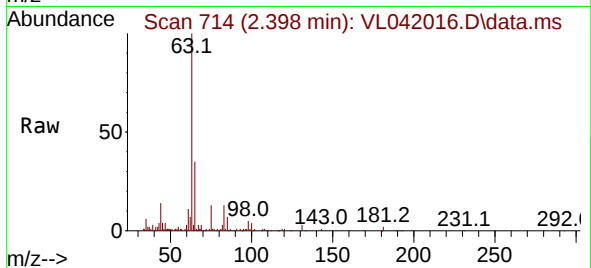
Tgt Ion: 43 Resp: 16940
Ion Ratio Lower Upper
43 100
86 8.1 8.1 12.1#
42 6.0 7.5 11.3#
44 7.3 4.5 6.7#



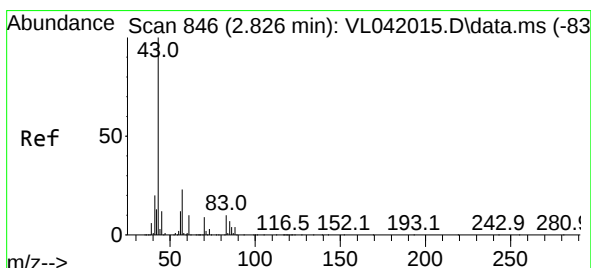
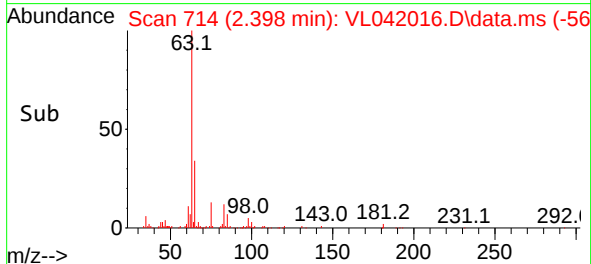
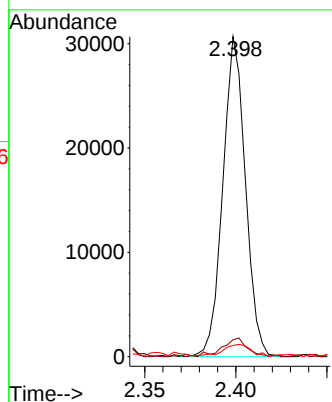


#24
1,1-Dichloroethane
Concen: 1.937 ppbv
RT: 2.398 min Scan# 715
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

Instrument :
MSVOA_L
ClientSampleId :

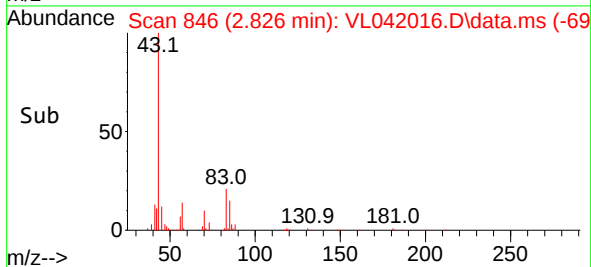
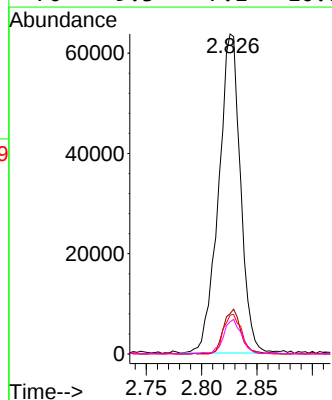
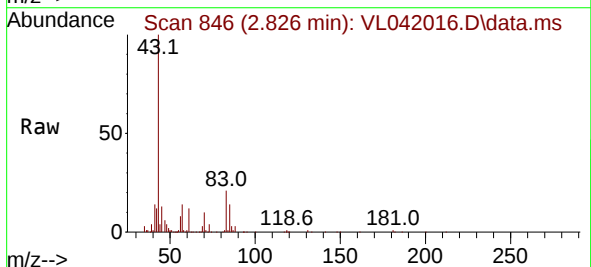


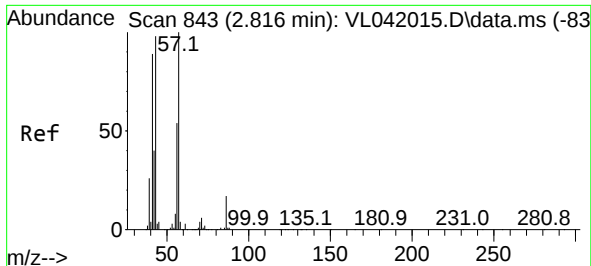
Tgt Ion: 63 Resp: 26419
Ion Ratio Lower Upper
63 100
98 4.9 2.4 7.2
100 2.9 1.6 4.8



#25
Ethyl Acetate
Concen: 2.014 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.001 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

Tgt Ion: 43 Resp: 87471
Ion Ratio Lower Upper
43 100
45 11.4 8.1 12.1
61 10.4 7.5 11.3
70 9.3 7.1 10.7

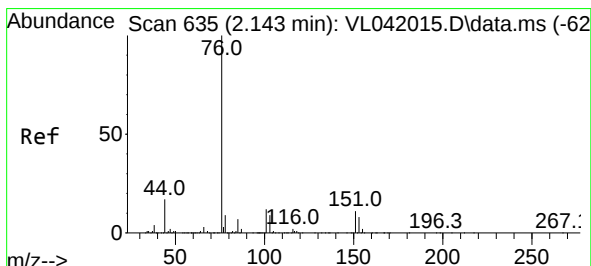
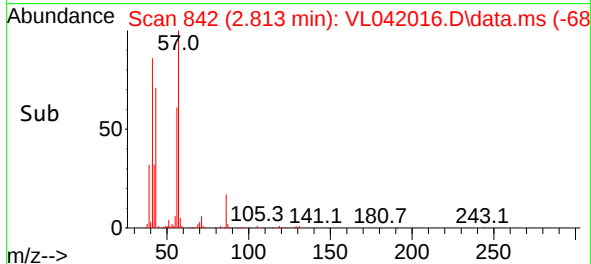
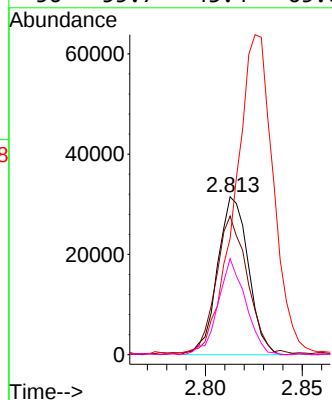
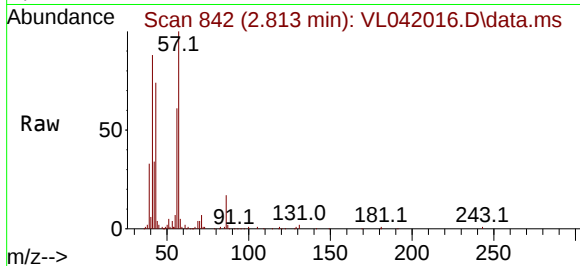




#26
Hexane
Concen: 1.998 ppbv
RT: 2.813 min Scan# 843
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

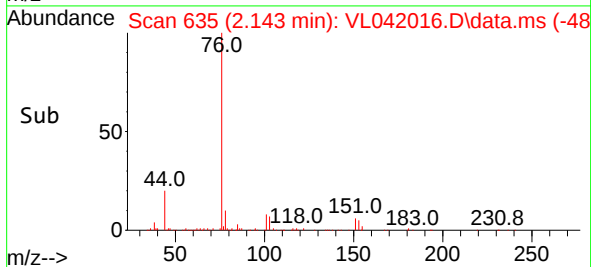
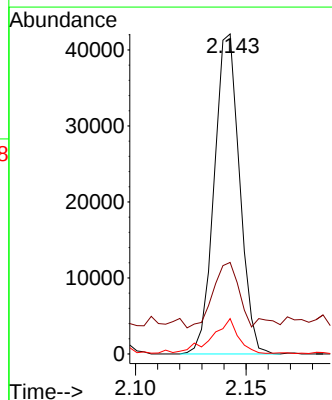
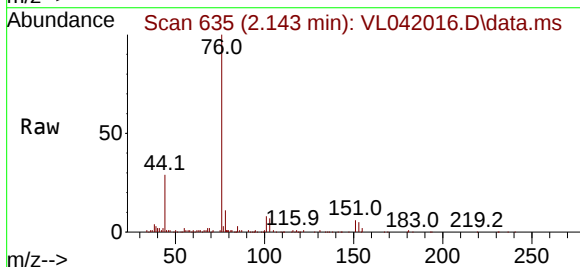
Instrument :
MSVOA_L
ClientSampleId :

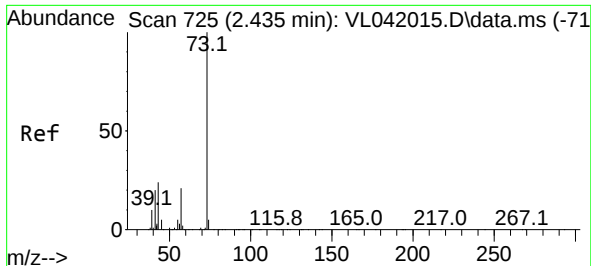
Tgt Ion: 57 Resp: 34825
Ion Ratio Lower Upper
57 100
41 89.9 73.2 109.8
43 253.6 200.8 301.2
56 55.7 43.4 65.0



#27
Carbon Disulfide
Concen: 2.044 ppbv
RT: 2.143 min Scan# 635
Delta R.T. -0.001 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

Tgt Ion: 76 Resp: 33514
Ion Ratio Lower Upper
76 100
44 55.3 18.1 27.1#
78 12.1 9.5 14.3

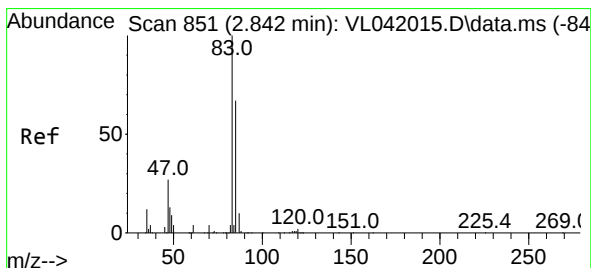
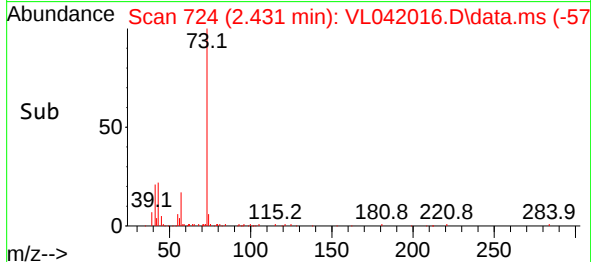
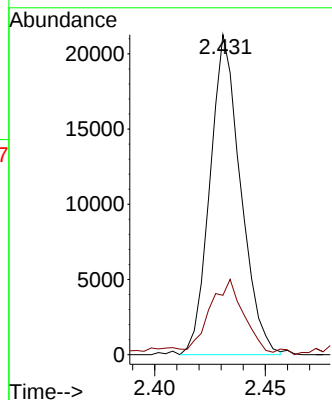
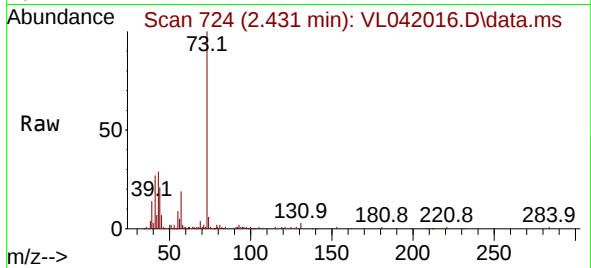




#28
Methyl tert-Butyl Ether
Concen: 1.921 ppbv
RT: 2.431 min Scan# 71
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

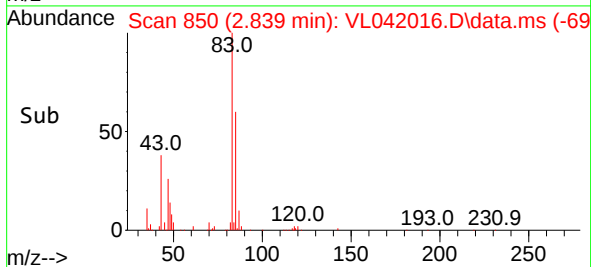
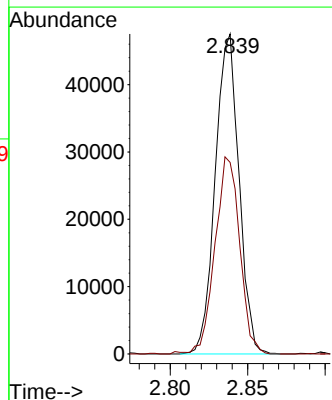
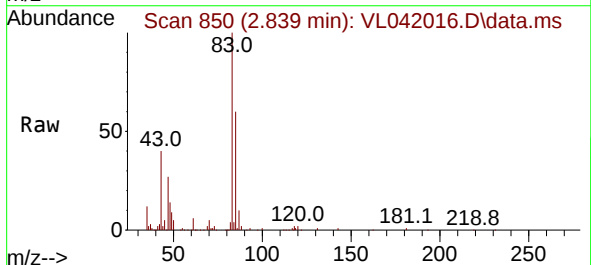
Instrument :
MSVOA_L
ClientSampleId :

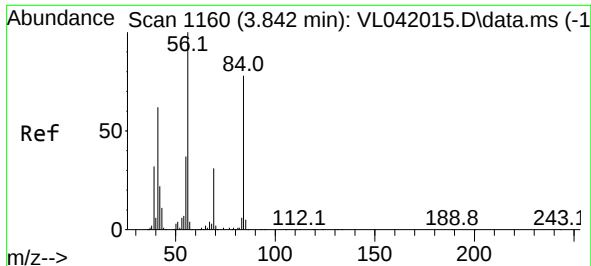
Tgt Ion: 73 Resp: 20473
Ion Ratio Lower Upper
73 100
57 29.0 18.3 27.5#



#29
Chloroform
Concen: 2.005 ppbv
RT: 2.839 min Scan# 850
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

Tgt Ion: 83 Resp: 50609
Ion Ratio Lower Upper
83 100
85 59.8 53.8 80.6

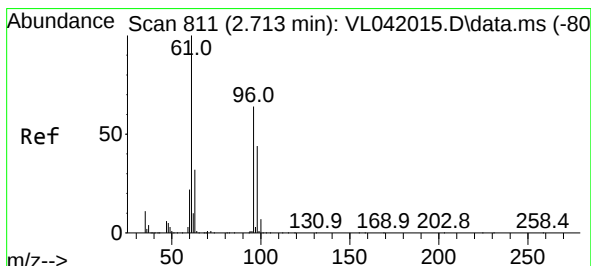
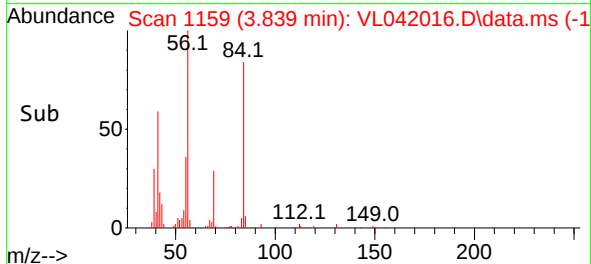
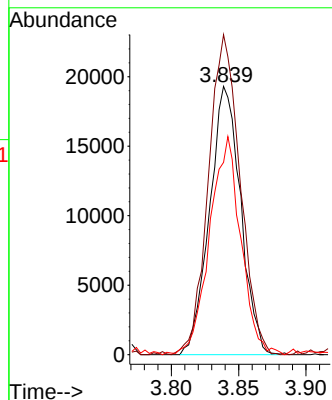
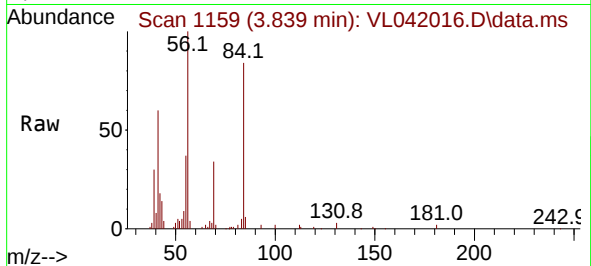




#30
Cyclohexane
Concen: 2.025 ppbv
RT: 3.839 min Scan# 1160
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

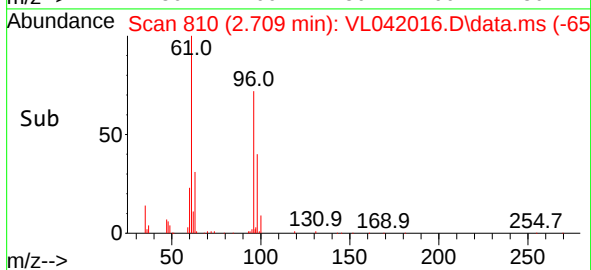
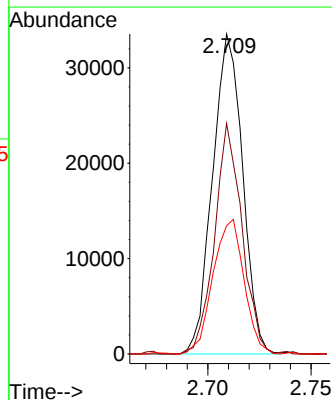
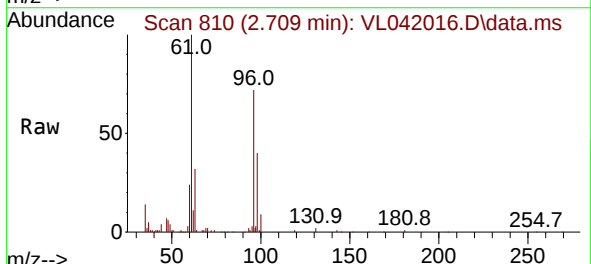
Instrument :
MSVOA_L
ClientSampleId :

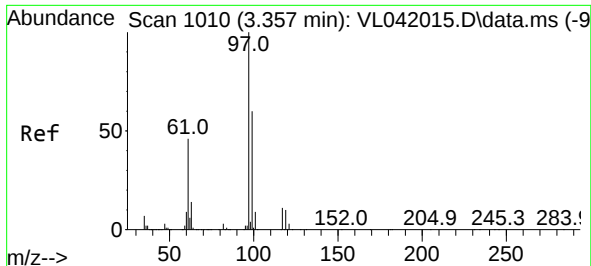
Tgt Ion: 84 Resp: 30917
Ion Ratio Lower Upper
84 100
56 122.1 99.5 149.3
41 80.1 62.2 93.2



#31
cis-1,2-Dichloroethene
Concen: 1.975 ppbv
RT: 2.709 min Scan# 810
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

Tgt Ion: 61 Resp: 34025
Ion Ratio Lower Upper
61 100
96 72.0 51.6 77.4
98 40.0 34.8 52.2



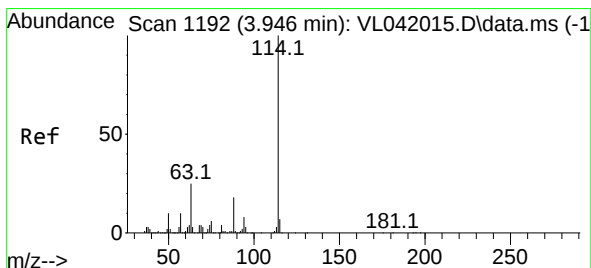
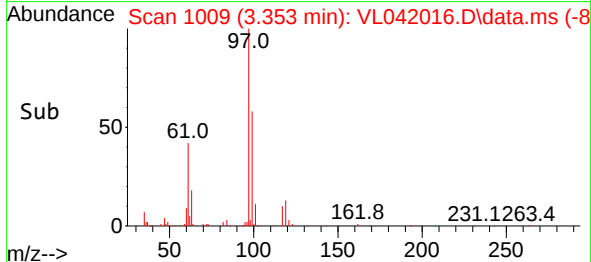
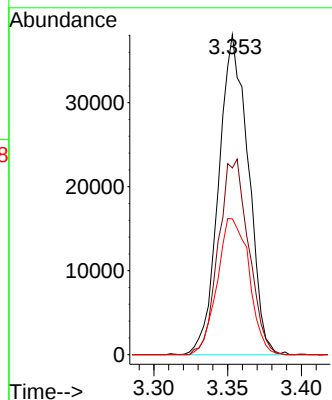
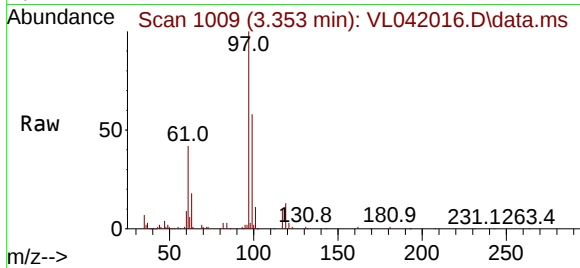


#32
 1,1,1-Trichloroethane
 Concen: 1.896 ppbv
 RT: 3.353 min Scan# 1109
 Delta R.T. -0.004 min
 Lab File: VL042016.D
 Acq: 14 Feb 2025 12:54

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion: 97 Resp: 53097

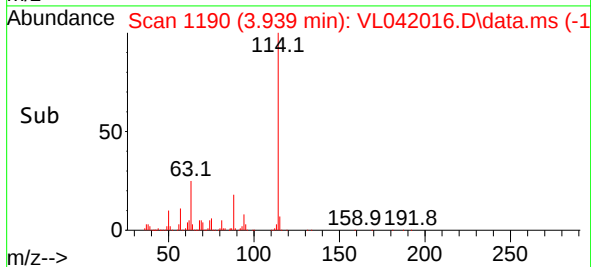
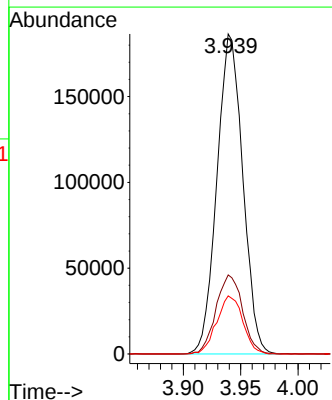
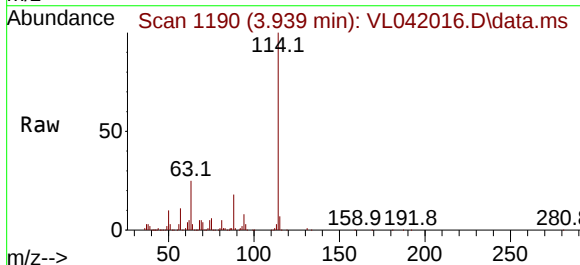
Ion	Ratio	Lower	Upper
97	100		
99	62.5	51.0	76.4
61	45.9	37.9	56.9

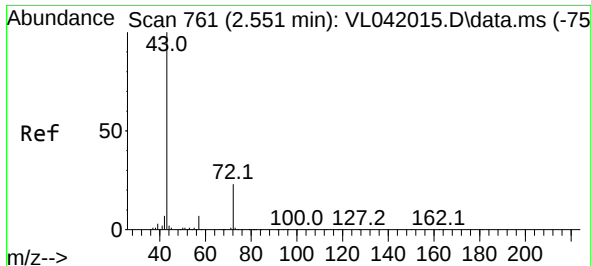


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.939 min Scan# 1190
 Delta R.T. -0.007 min
 Lab File: VL042016.D
 Acq: 14 Feb 2025 12:54

Tgt Ion: 114 Resp: 291851

Ion	Ratio	Lower	Upper
114	100		
63	25.4	20.2	30.2
88	18.3	14.4	21.6

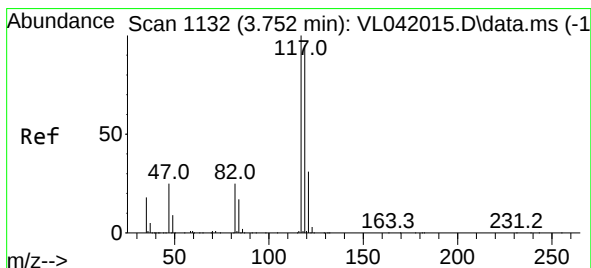
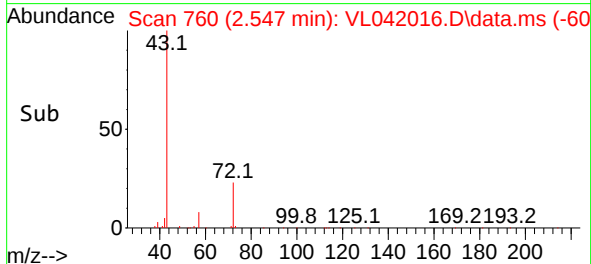
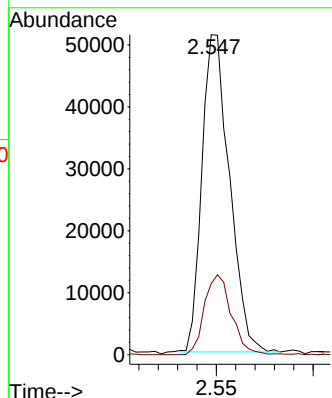
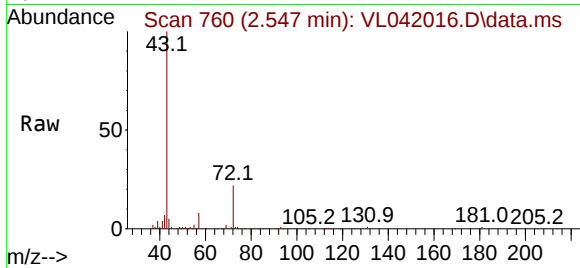




#34
2-Butanone
Concen: 2.023 ppbv
RT: 2.547 min Scan# 760
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

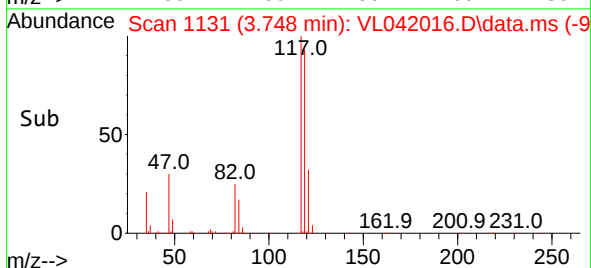
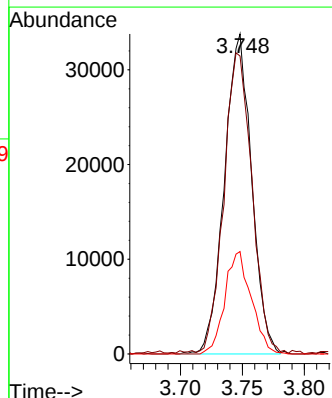
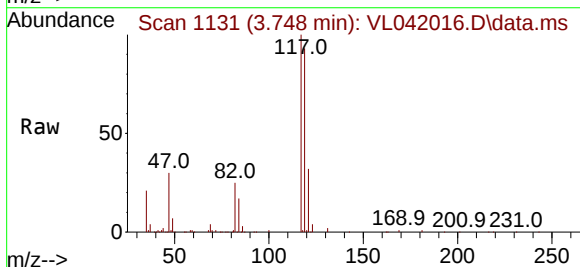
Instrument :
MSVOA_L
ClientSampleId :

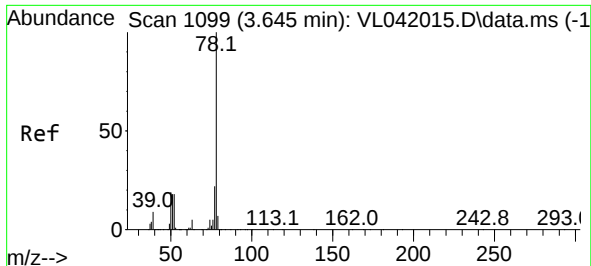
Tgt Ion: 43 Resp: 50795
Ion Ratio Lower Upper
43 100
72 24.8 18.3 27.5



#35
Carbon Tetrachloride
Concen: 1.864 ppbv
RT: 3.748 min Scan# 1131
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

Tgt Ion: 117 Resp: 51796
Ion Ratio Lower Upper
117 100
119 92.3 75.8 113.6
121 32.0 24.6 36.8

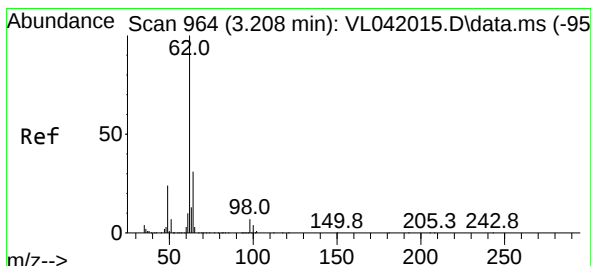
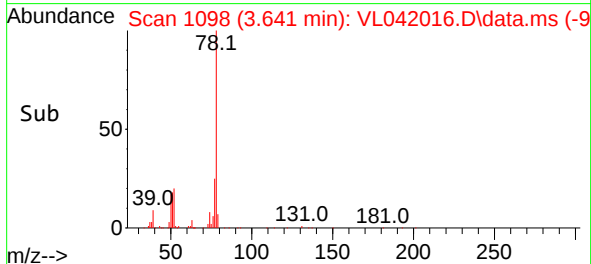
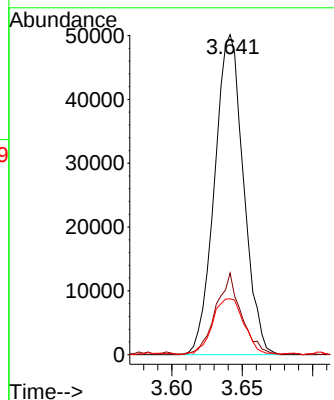
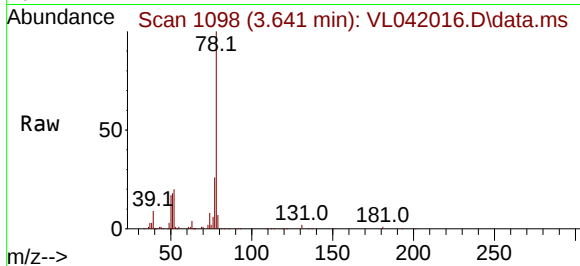




#36
Benzene
Concen: 2.032 ppbv
RT: 3.641 min Scan# 1099
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

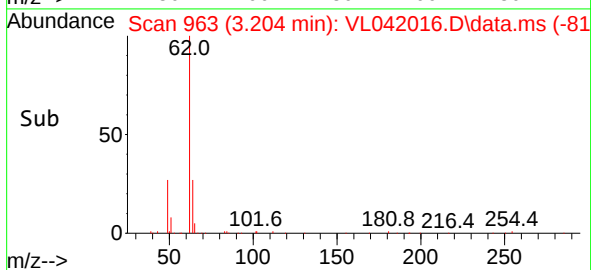
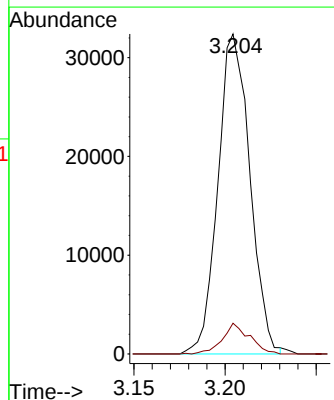
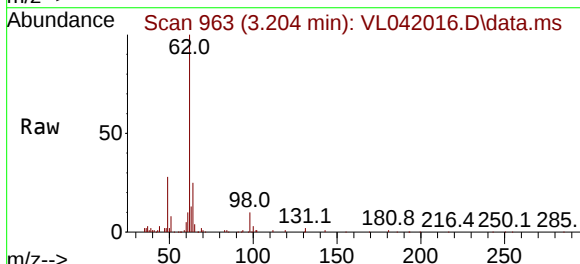
Instrument :
MSVOA_L
ClientSampleId :

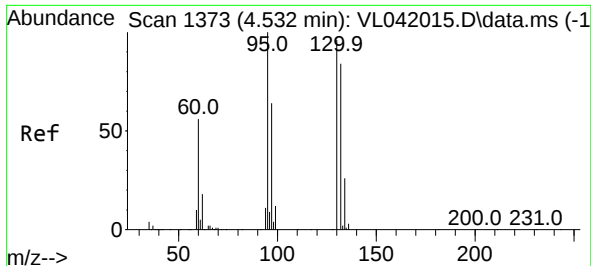
Tgt Ion: 78 Resp: 71850
Ion Ratio Lower Upper
78 100
77 25.3 18.0 27.0
50 17.4 15.2 22.8



#37
1,2-Dichloroethane
Concen: 1.962 ppbv
RT: 3.204 min Scan# 963
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

Tgt Ion: 62 Resp: 39494
Ion Ratio Lower Upper
62 100
98 8.2 5.7 8.5



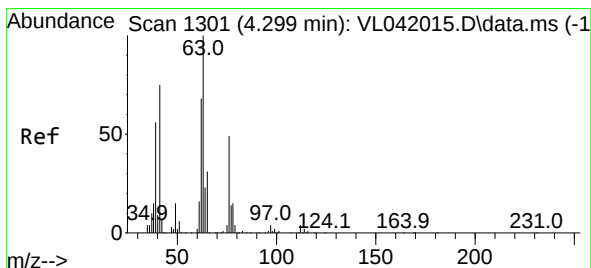
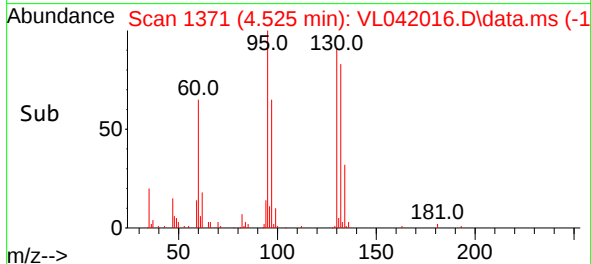
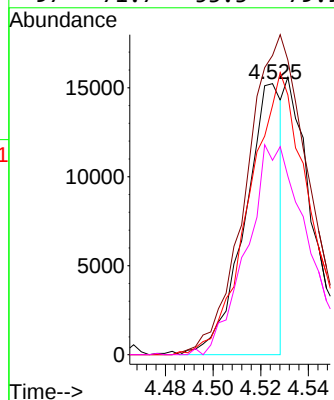
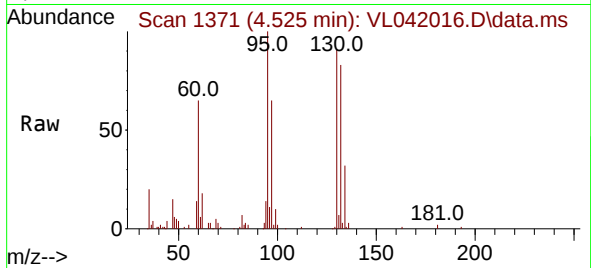


#38
 Trichloroethene
 Concen: 1.118 ppbv
 RT: 4.525 min Scan# 11
 Delta R.T. -0.007 min
 Lab File: VL042016.D
 Acq: 14 Feb 2025 12:54

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion:130 Resp: 16238

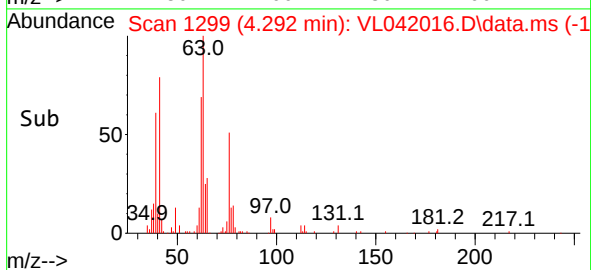
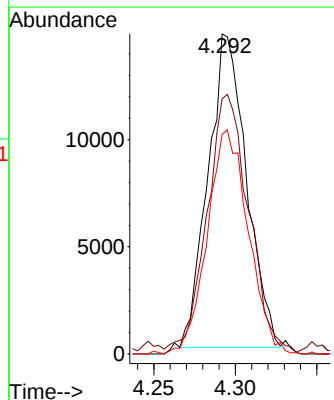
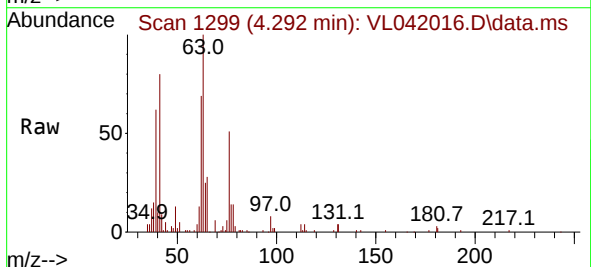
Ion	Ratio	Lower	Upper
130	100		
95	109.6	82.8	124.2
132	90.8	70.0	105.0
97	71.7	53.3	79.9

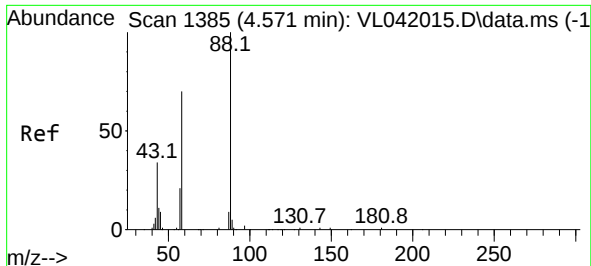


#39
 1,2-Dichloropropane
 Concen: 1.825 ppbv
 RT: 4.292 min Scan# 1299
 Delta R.T. -0.007 min
 Lab File: VL042016.D
 Acq: 14 Feb 2025 12:54

Tgt Ion: 63 Resp: 23932

Ion	Ratio	Lower	Upper
63	100		
41	77.2	60.1	90.1
62	68.2	54.0	81.0

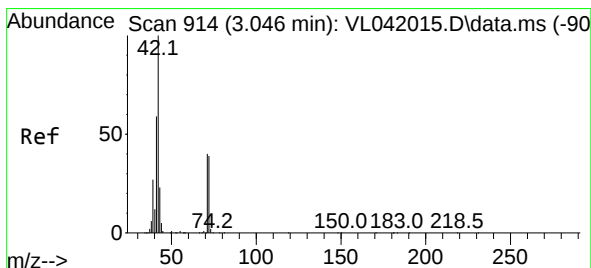
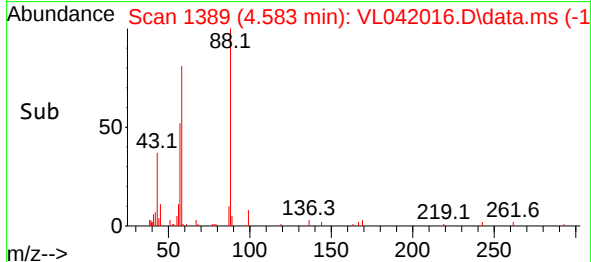
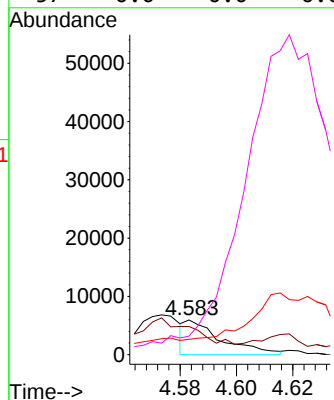
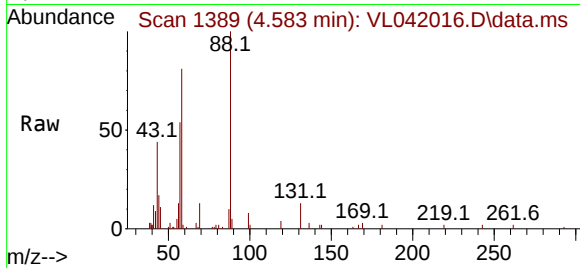




#40
1,4-Dioxane
Concen: 0.792 ppbv
RT: 4.583 min Scan# 11
Delta R.T. 0.012 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

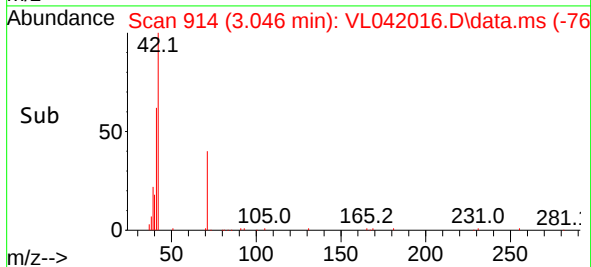
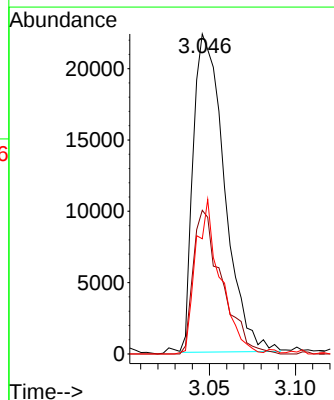
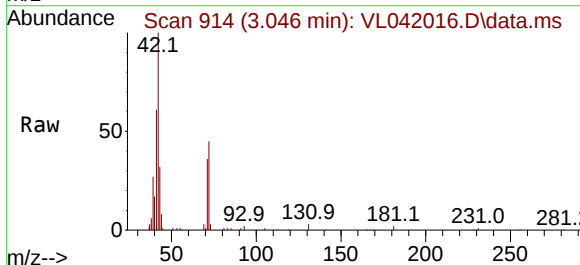
Instrument :
MSVOA_L
ClientSampleId :

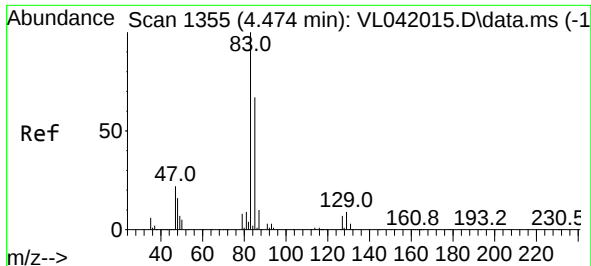
Tgt Ion: 88 Resp: 5310
Ion Ratio Lower Upper
88 100
58 0.0 58.1 87.1#
43 0.0 27.3 40.9#
57 0.0 0.0 0.0



#41
Tetrahydrofuran
Concen: 1.922 ppbv
RT: 3.046 min Scan# 914
Delta R.T. -0.001 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

Tgt Ion: 42 Resp: 28154
Ion Ratio Lower Upper
42 100
72 41.8 32.3 48.5
71 39.4 30.9 46.3

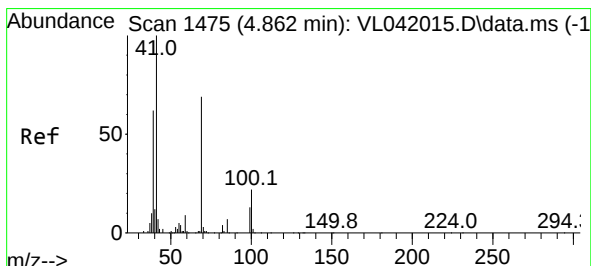
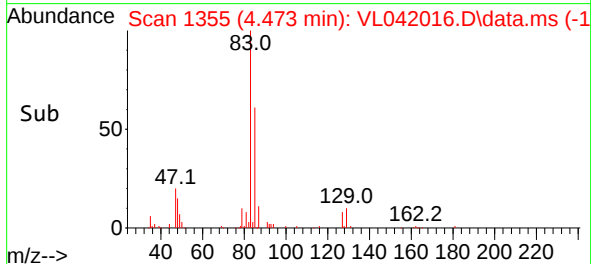
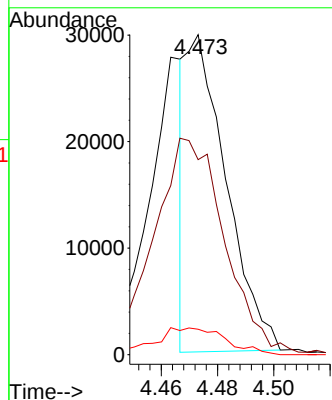
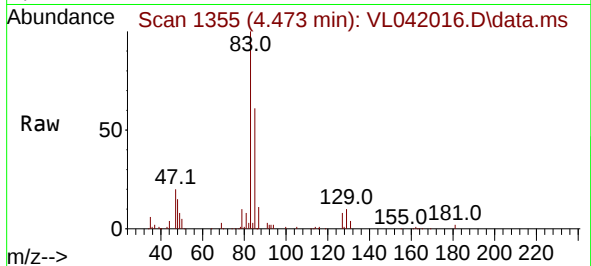




#42
Bromodichloromethane
Concen: 1.075 ppbv
RT: 4.473 min Scan# 11
Delta R.T. -0.001 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

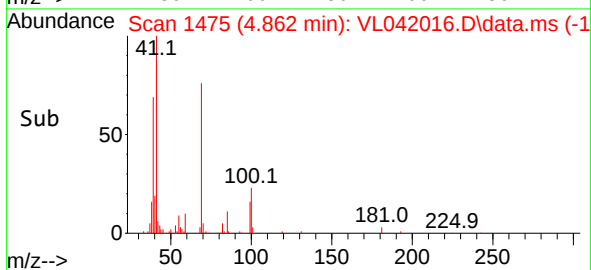
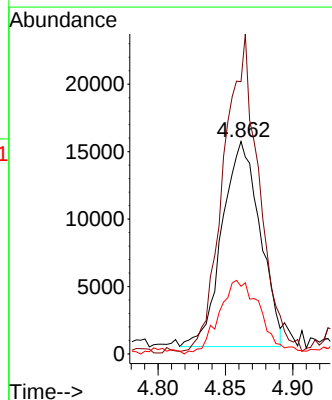
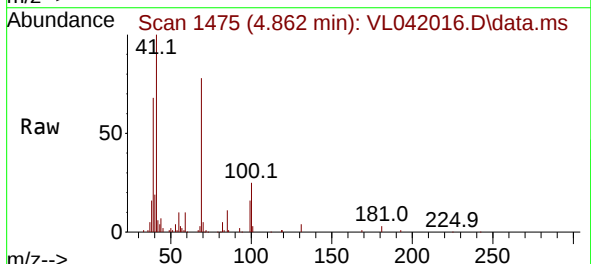
Instrument :
MSVOA_L
ClientSampleId :

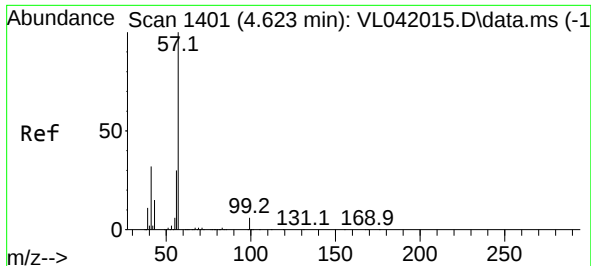
Tgt Ion: 83 Resp: 29329
Ion Ratio Lower Upper
83 100
85 58.1 53.3 79.9
127 8.1 6.0 9.0



#43
Methyl Methacrylate
Concen: 1.877 ppbv
RT: 4.862 min Scan# 1475
Delta R.T. -0.001 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

Tgt Ion: 69 Resp: 29831
Ion Ratio Lower Upper
69 100
41 146.0 114.9 172.3
100 39.1 28.8 43.2

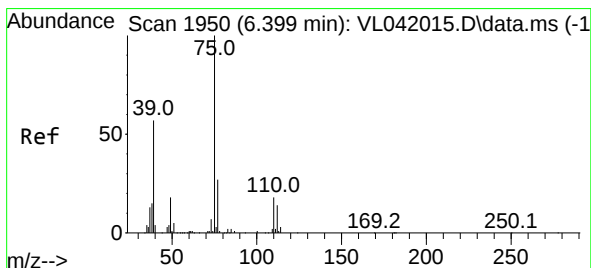
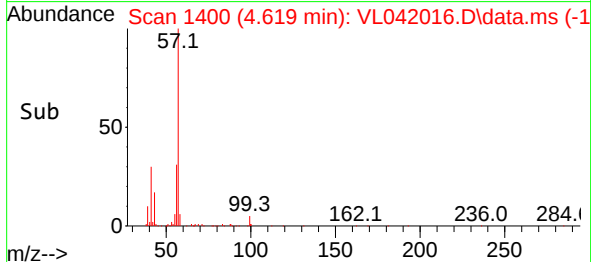
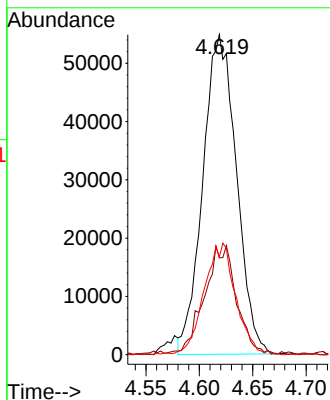
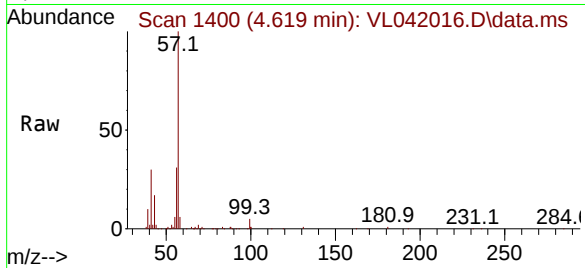




#44
2,2,4-Trimethylpentane
Concen: 1.999 ppbv
RT: 4.619 min Scan# 1400
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

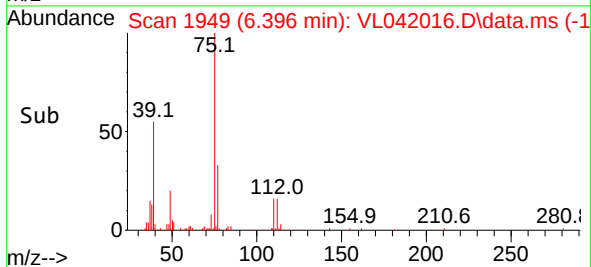
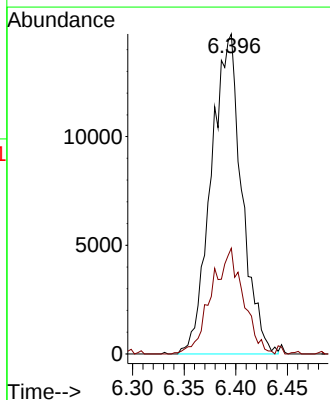
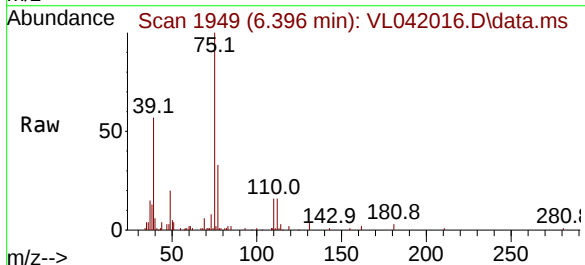
Instrument :
MSVOA_L
ClientSampleId :

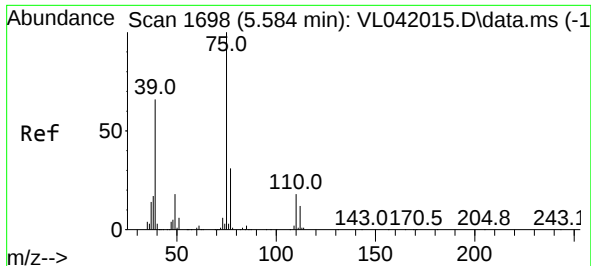
Tgt Ion: 57 Resp: 119979
Ion Ratio Lower Upper
57 100
41 32.7 25.9 38.9
56 33.2 24.9 37.3



#45
t-1,3-Dichloropropene
Concen: 1.998 ppbv
RT: 6.396 min Scan# 1949
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

Tgt Ion: 75 Resp: 30442
Ion Ratio Lower Upper
75 100
77 33.0 22.1 33.1

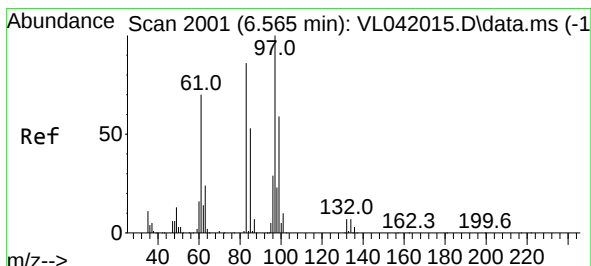
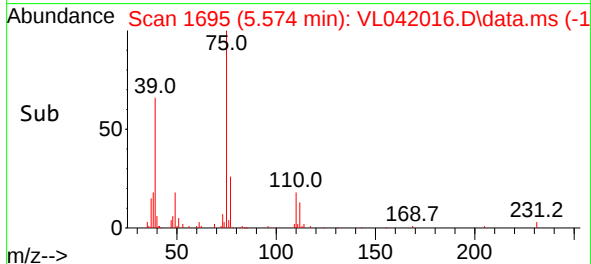
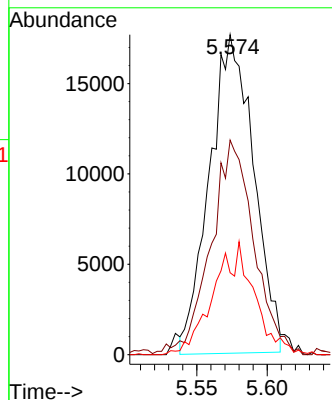
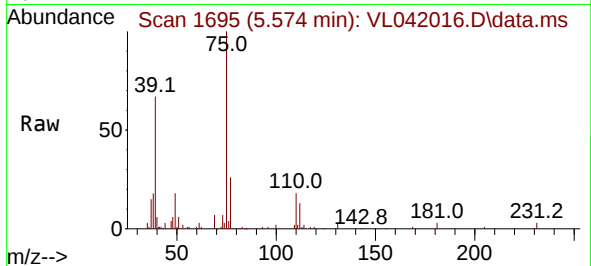




#46
 cis-1,3-Dichloropropene
 Concen: 1.995 ppbv
 RT: 5.574 min Scan# 1
 Delta R.T. -0.010 min
 Lab File: VL042016.D
 Acq: 14 Feb 2025 12:54

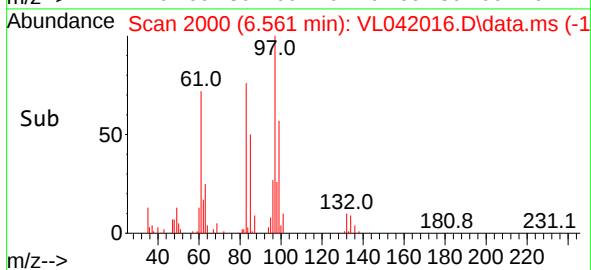
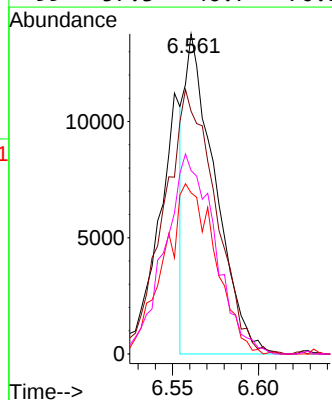
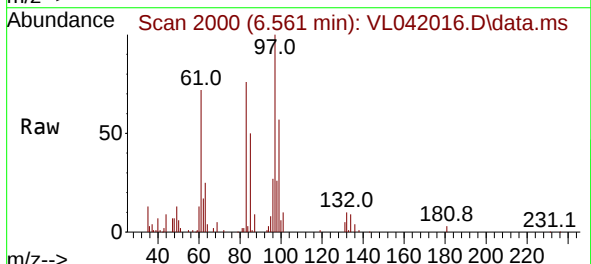
Instrument :
 MSVOA_L
 ClientSampleId :

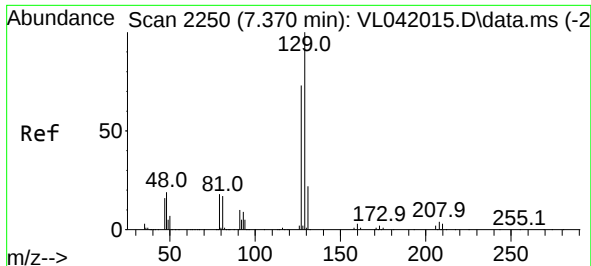
Tgt Ion: 75 Resp: 38510
 Ion Ratio Lower Upper
 75 100
 39 66.4 52.2 78.4
 77 25.8 24.5 36.7



#47
 1,1,2-Trichloroethane
 Concen: 1.245 ppbv
 RT: 6.561 min Scan# 2000
 Delta R.T. -0.004 min
 Lab File: VL042016.D
 Acq: 14 Feb 2025 12:54

Tgt Ion: 97 Resp: 16988
 Ion Ratio Lower Upper
 97 100
 83 75.4 68.6 102.8
 85 50.3 42.2 63.4
 99 57.3 46.7 70.1

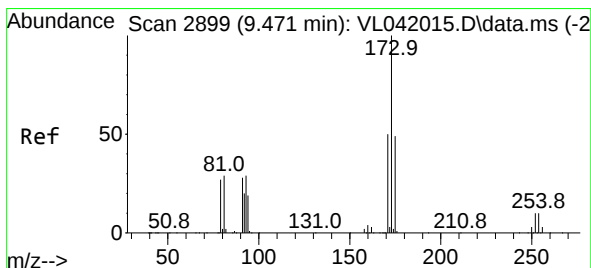
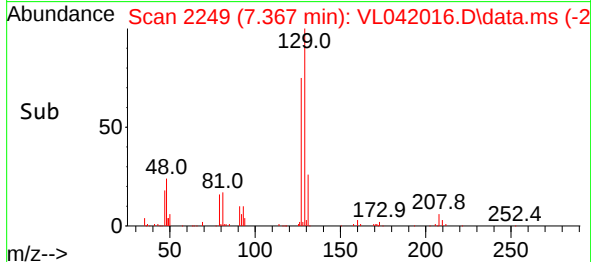
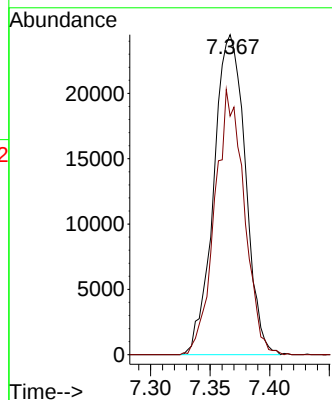
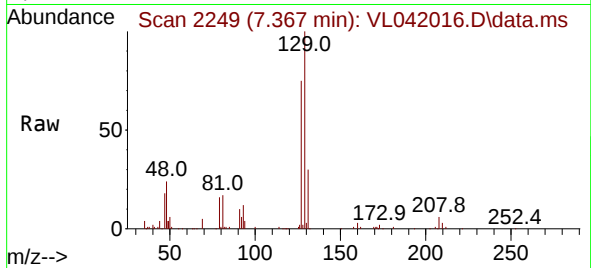




#48
 Dibromochloromethane
 Concen: 1.994 ppbv
 RT: 7.367 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: VL042016.D
 Acq: 14 Feb 2025 12:54

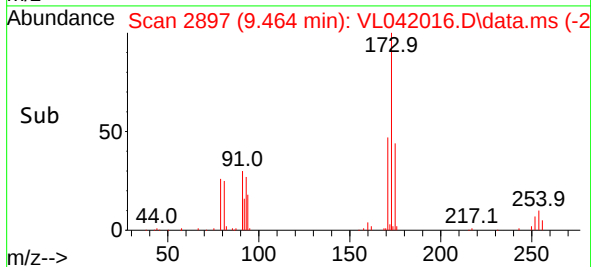
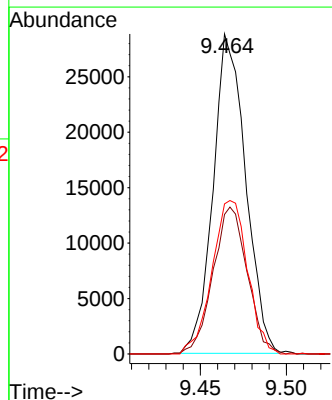
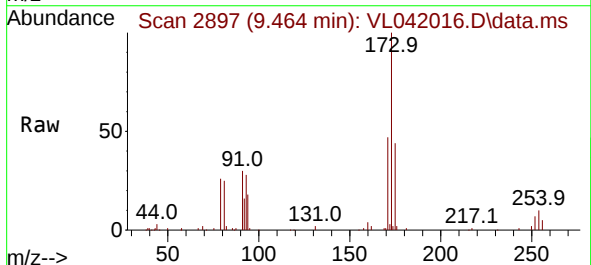
Instrument :
 MSVOA_L
 ClientSampleId :

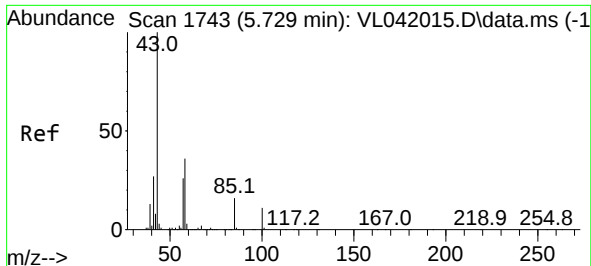
Tgt Ion:129 Resp: 45191
 Ion Ratio Lower Upper
 129 100
 127 77.3 38.2 114.6



#49
 Bromoform
 Concen: 2.020 ppbv
 RT: 9.464 min Scan# 2897
 Delta R.T. -0.007 min
 Lab File: VL042016.D
 Acq: 14 Feb 2025 12:54

Tgt Ion:173 Resp: 37852
 Ion Ratio Lower Upper
 173 100
 175 48.5 39.3 58.9
 171 52.4 41.4 62.2





#50

4-Methyl-2-Pentanone

Concen: 0.981 ppbv

RT: 5.732 min Scan# 1

Delta R.T. 0.003 min

Lab File: VL042016.D

Acq: 14 Feb 2025 12:54

Instrument :

MSVOA_L

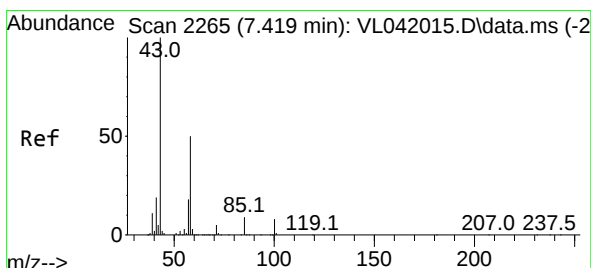
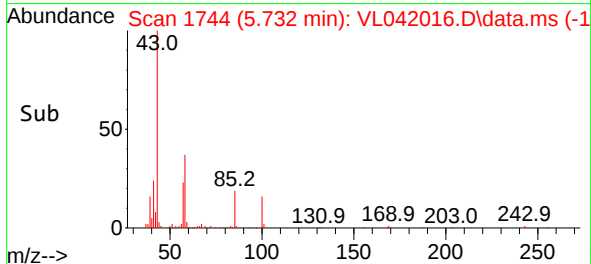
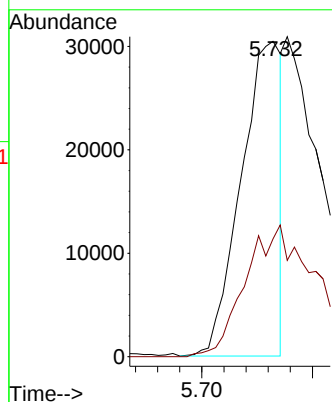
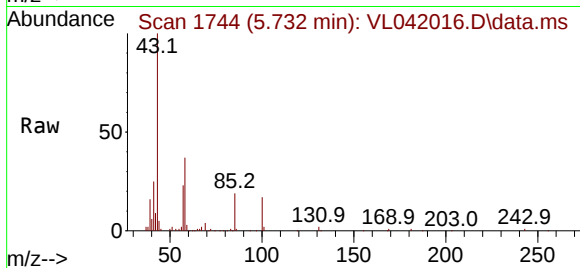
ClientSampleId :

Tgt Ion: 43 Resp: 38266

Ion Ratio Lower Upper

43 100

58 0.0 29.4 44.0#



#51

2-Hexanone

Concen: 2.063 ppbv

RT: 7.422 min Scan# 2266

Delta R.T. 0.003 min

Lab File: VL042016.D

Acq: 14 Feb 2025 12:54

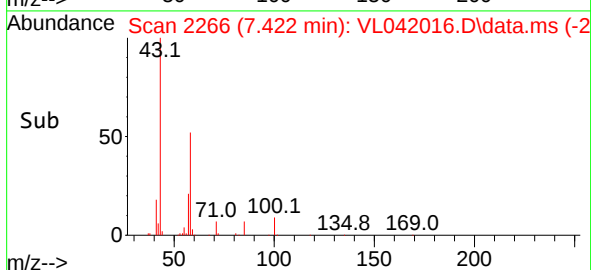
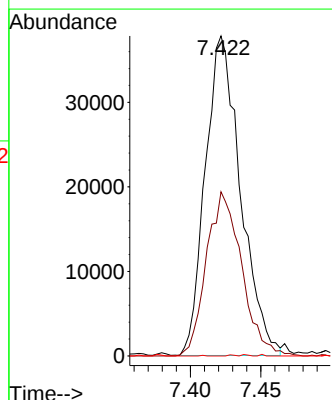
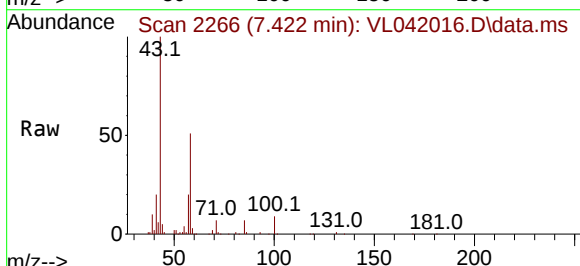
Tgt Ion: 43 Resp: 65982

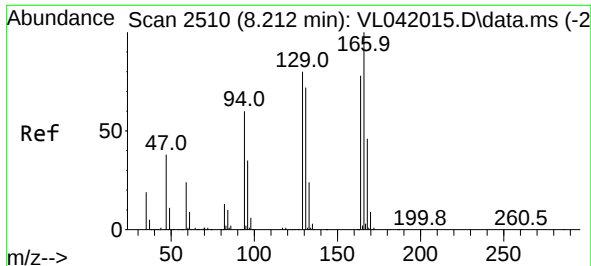
Ion Ratio Lower Upper

43 100

58 51.2 41.4 62.0

98 0.2 0.0 0.0#

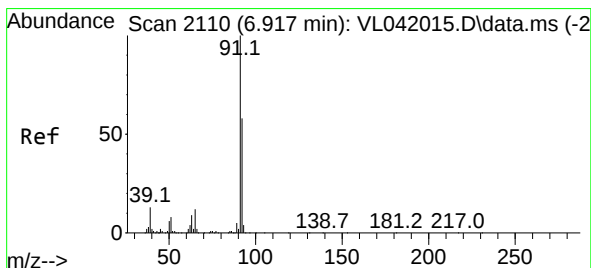
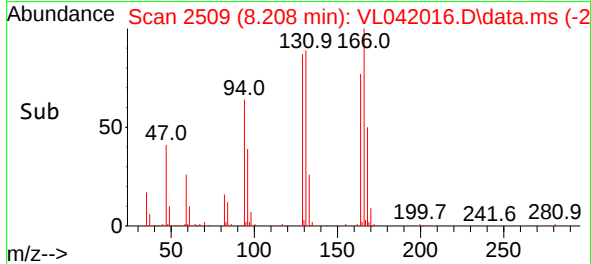
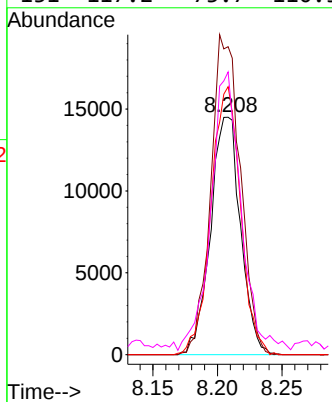
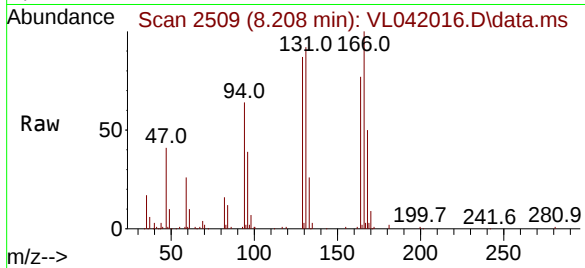




#52
Tetrachloroethene
Concen: 1.898 ppbv
RT: 8.208 min Scan# 2107
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

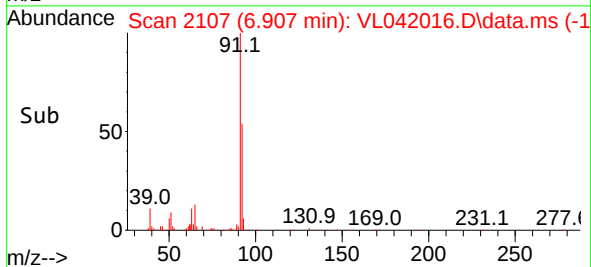
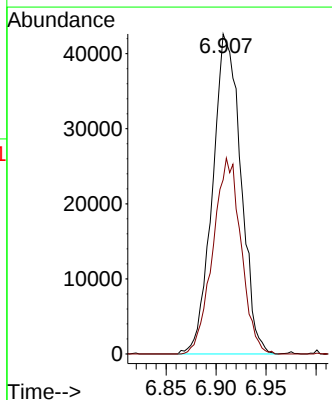
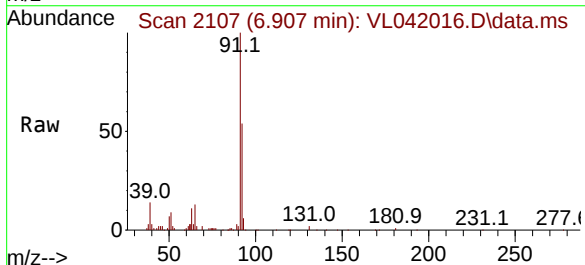
Instrument :
MSVOA_L
ClientSampleId :

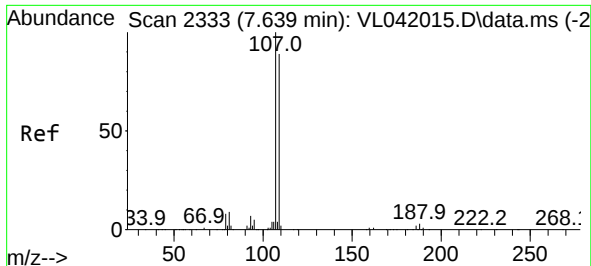
Tgt Ion:164 Resp: 23428
Ion Ratio Lower Upper
164 100
166 129.7 102.2 153.2
129 112.9 82.2 123.4
131 117.2 73.7 110.5#



#53
Toluene
Concen: 2.011 ppbv
RT: 6.907 min Scan# 2107
Delta R.T. -0.010 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

Tgt Ion: 91 Resp: 84140
Ion Ratio Lower Upper
91 100
92 60.8 47.5 71.3

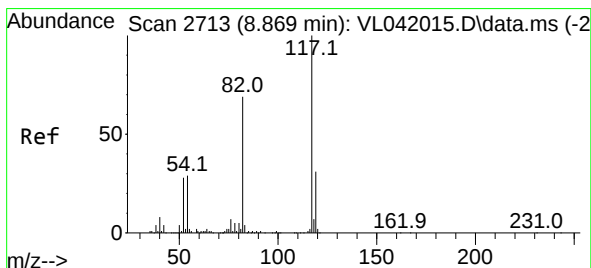
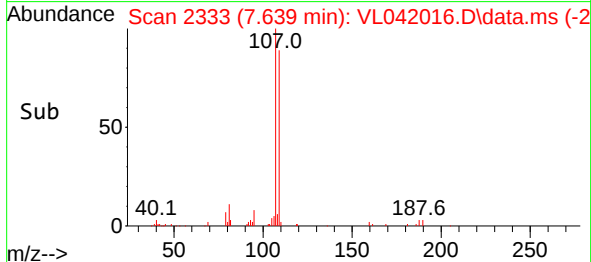
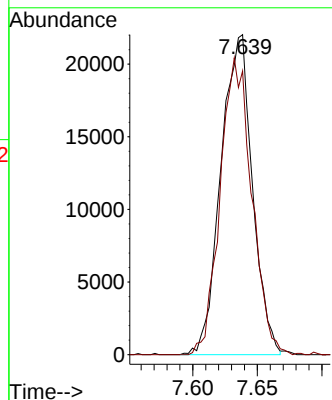
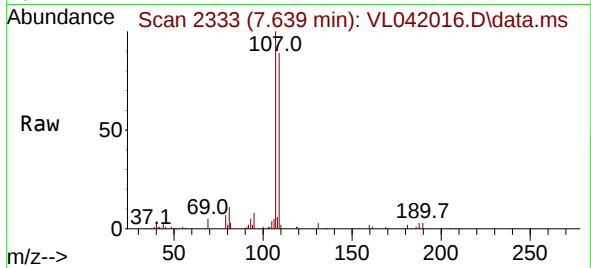




#54
1,2-Dibromoethane
Concen: 1.969 ppbv
RT: 7.639 min Scan# 21
Delta R.T. -0.001 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

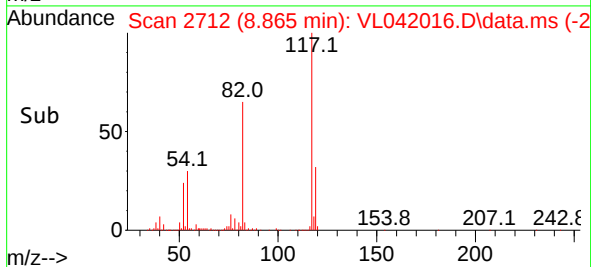
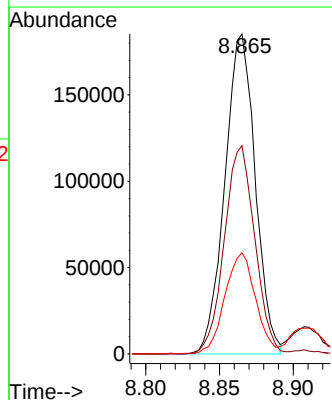
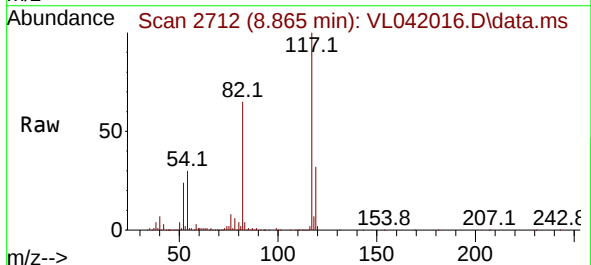
Instrument :
MSVOA_L
ClientSampleId :

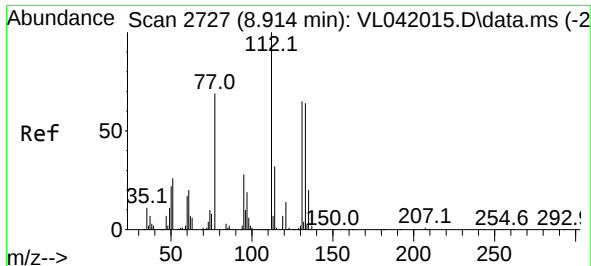
Tgt Ion:107 Resp: 37468
Ion Ratio Lower Upper
107 100
109 88.6 71.5 107.3



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.865 min Scan# 2712
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

Tgt Ion:117 Resp: 265939
Ion Ratio Lower Upper
117 100
82 66.2 55.7 83.5
119 31.9 25.2 37.8

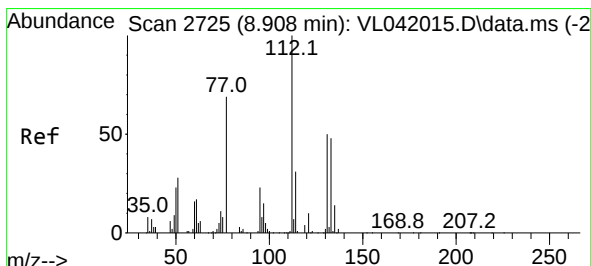
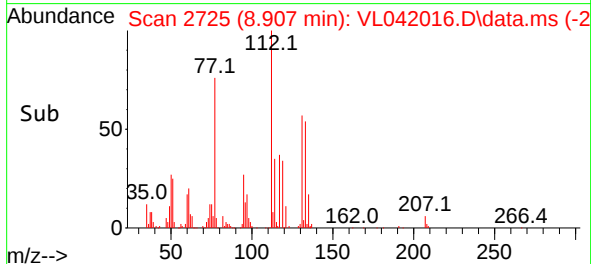
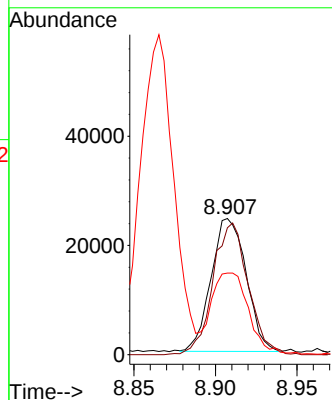
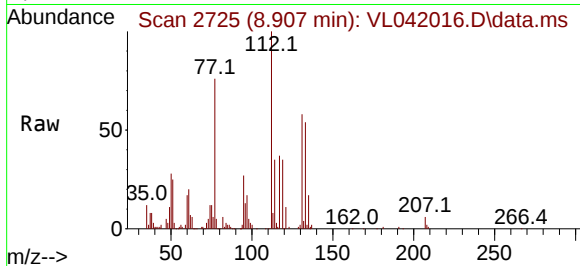




#56
 1,1,1,2-Tetrachloroethane
 Concen: 1.915 ppbv
 RT: 8.907 min Scan# 2725
 Delta R.T. -0.007 min
 Lab File: VL042016.D
 Acq: 14 Feb 2025 12:54

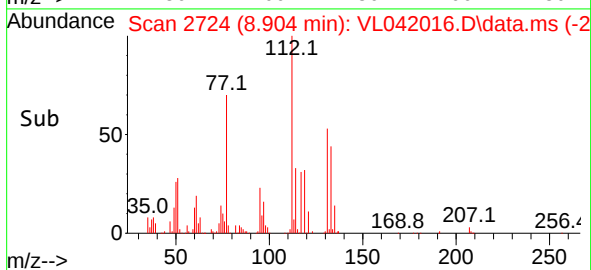
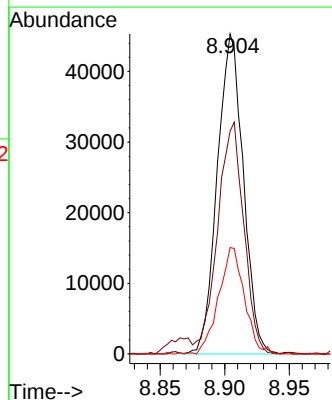
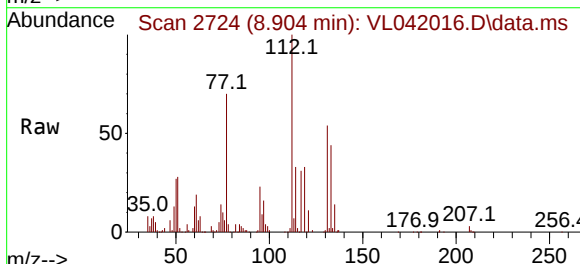
Instrument :
 MSVOA_L
 ClientSampleId :

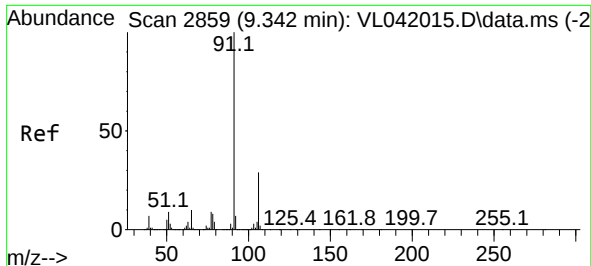
Tgt Ion:131 Resp: 36347
 Ion Ratio Lower Upper
 131 100
 133 99.8 77.8 116.8
 119 66.7 49.1 73.7



#57
 Chlorobenzene
 Concen: 2.031 ppbv
 RT: 8.904 min Scan# 2724
 Delta R.T. -0.004 min
 Lab File: VL042016.D
 Acq: 14 Feb 2025 12:54

Tgt Ion:112 Resp: 63525
 Ion Ratio Lower Upper
 112 100
 77 69.4 56.2 84.2
 114 33.2 28.2 34.4





#58

Ethyl Benzene

Concen: 2.013 ppbv

RT: 9.338 min Scan# 21

Delta R.T. -0.004 min

Lab File: VL042016.D

Acq: 14 Feb 2025 12:54

Instrument :

MSVOA_L

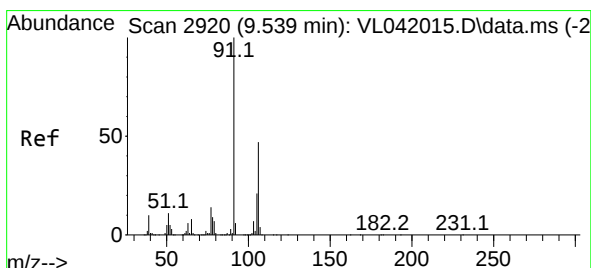
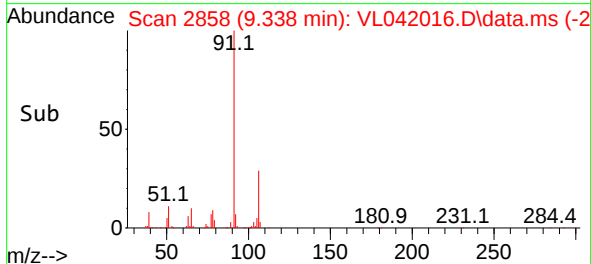
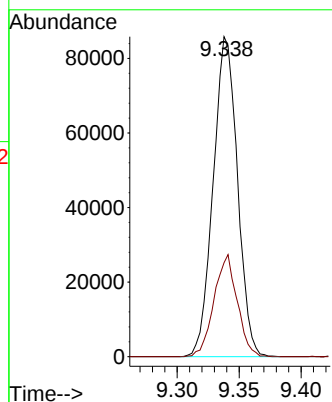
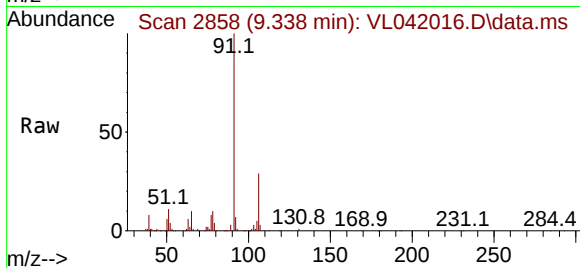
ClientSampleId :

Tgt Ion: 91 Resp: 117160

Ion Ratio Lower Upper

91 100

106 29.4 23.1 34.7



#59

m/p-Xylene

Concen: 1.655 ppbv

RT: 9.535 min Scan# 2919

Delta R.T. -0.004 min

Lab File: VL042016.D

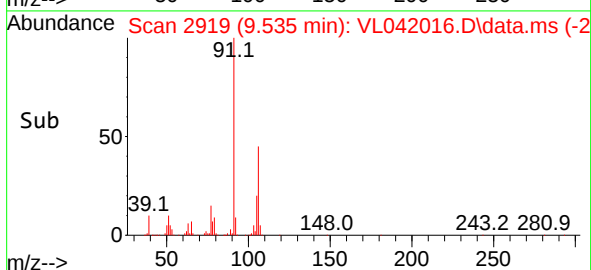
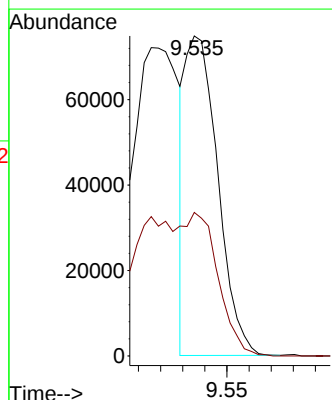
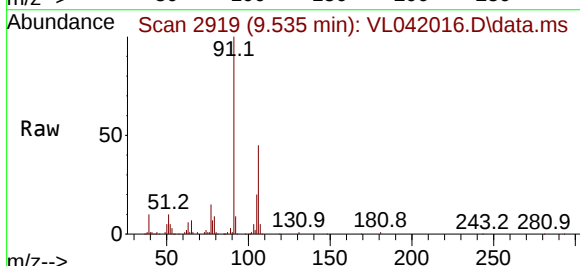
Acq: 14 Feb 2025 12:54

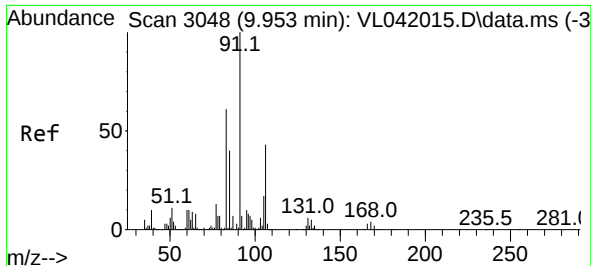
Tgt Ion: 91 Resp: 75946

Ion Ratio Lower Upper

91 100

106 110.9 35.8 53.8#

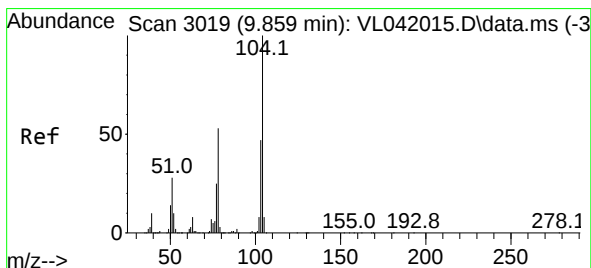
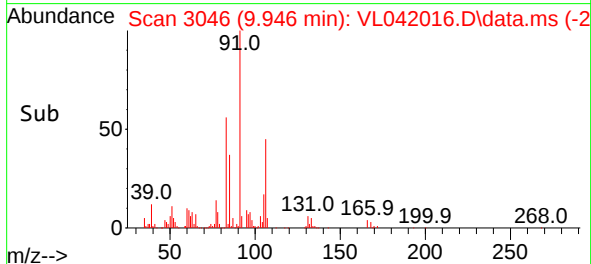
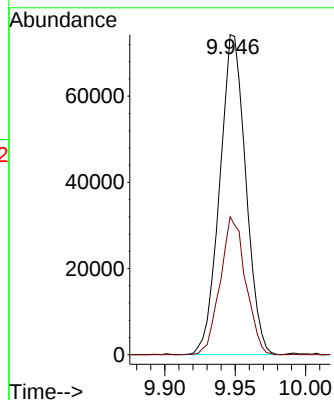
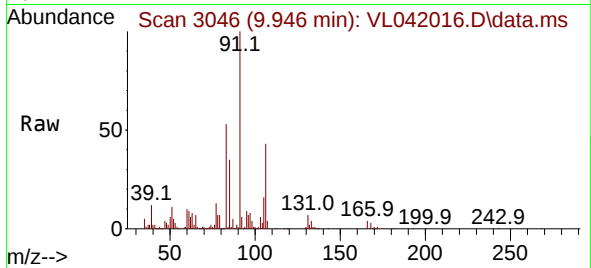




#60
o-Xylene
Concen: 2.066 ppbv
RT: 9.946 min Scan# 3046
Delta R.T. -0.007 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

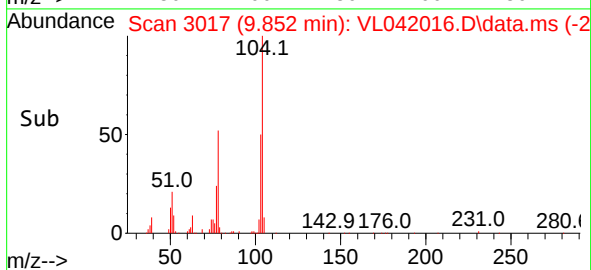
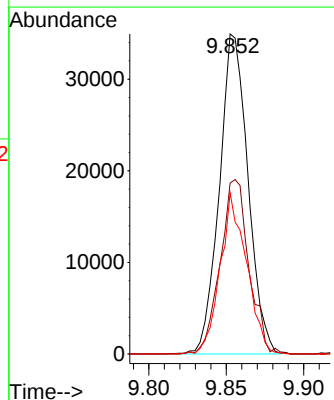
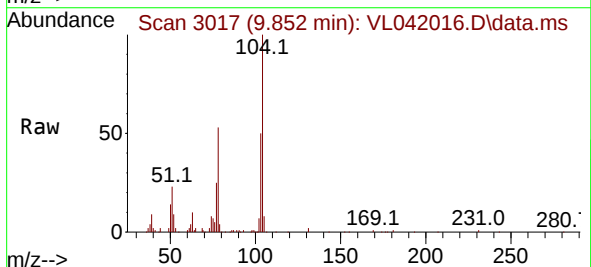
Instrument :
MSVOA_L
ClientSampleId :

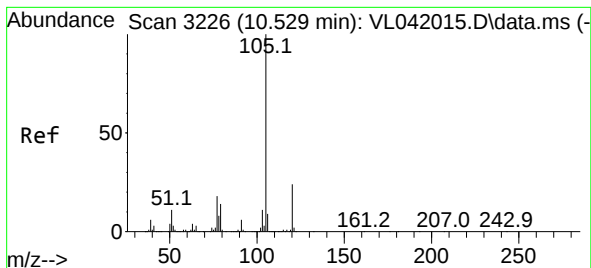
Tgt Ion: 91 Resp: 95782
Ion Ratio Lower Upper
91 100
106 42.0 21.4 64.3



#61
Styrene
Concen: 2.029 ppbv
RT: 9.852 min Scan# 3017
Delta R.T. -0.007 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

Tgt Ion:104 Resp: 44870
Ion Ratio Lower Upper
104 100
78 54.8 42.2 63.4
103 46.5 38.1 57.1





#62

Isopropylbenzene

Concen: 2.097 ppbv

RT: 10.526 min Scan# 31

Delta R.T. -0.004 min

Lab File: VL042016.D

Acq: 14 Feb 2025 12:54

Instrument :

MSVOA_L

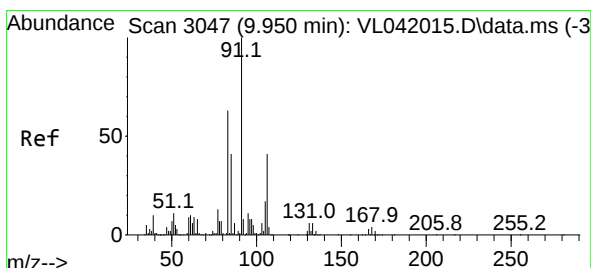
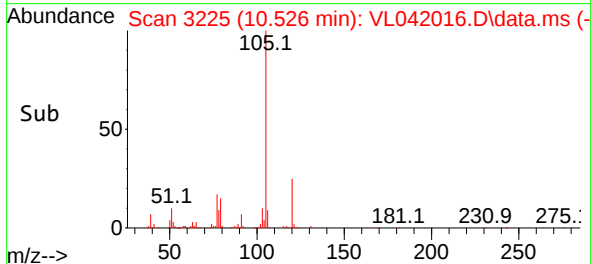
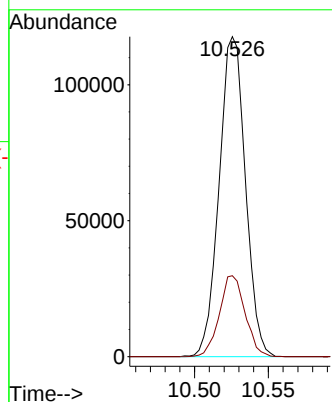
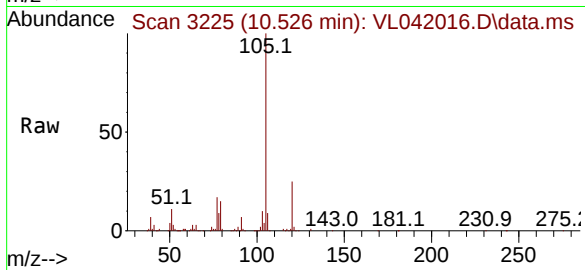
ClientSampleId :

Tgt Ion:105 Resp: 145953

Ion Ratio Lower Upper

105 100

120 24.7 19.8 29.8



#63

1,1,2,2-Tetrachloroethane

Concen: 1.874 ppbv

RT: 9.950 min Scan# 3047

Delta R.T. -0.001 min

Lab File: VL042016.D

Acq: 14 Feb 2025 12:54

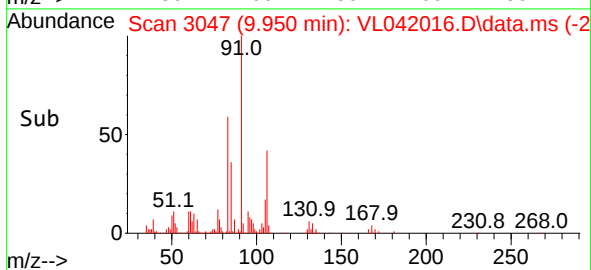
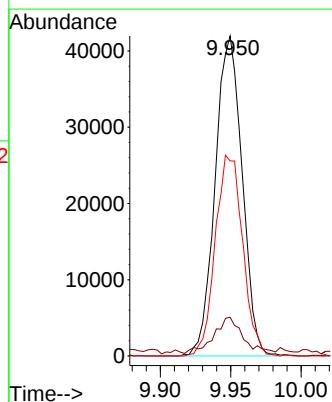
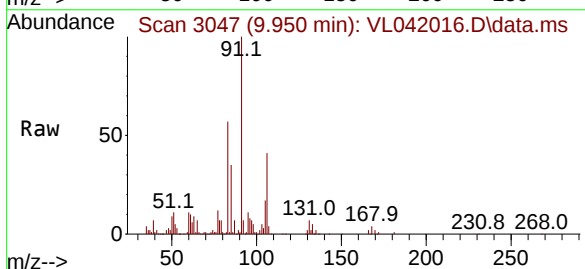
Tgt Ion: 83 Resp: 56061

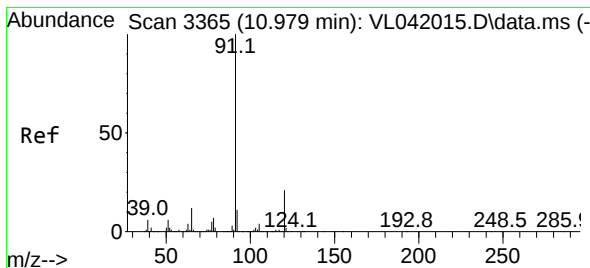
Ion Ratio Lower Upper

83 100

131 14.2 5.0 15.0

85 63.9 32.1 96.3





#64

n-propylbenzene

Concen: 2.039 ppbv

RT: 10.979 min Scan# 31

Delta R.T. -0.001 min

Lab File: VL042016.D

Acq: 14 Feb 2025 12:54

Instrument :

MSVOA_L

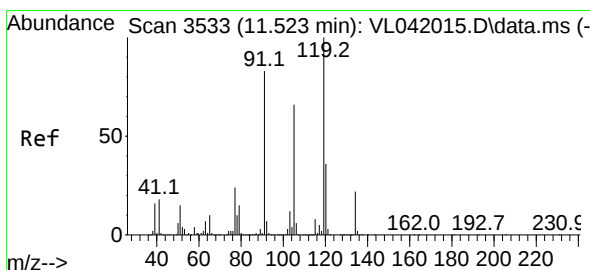
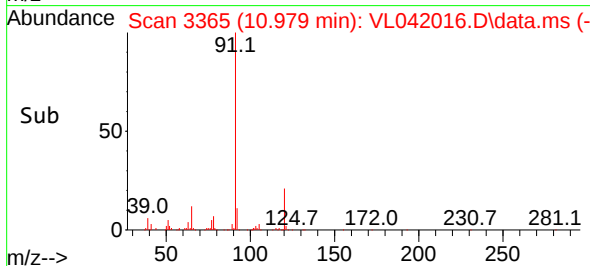
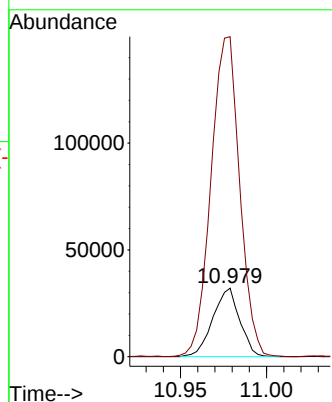
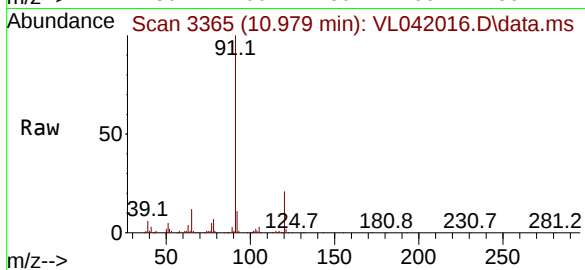
ClientSampleId :

Tgt Ion:120 Resp: 34873

Ion Ratio Lower Upper

120 100

91 498.2 392.2 588.2



#65

tert-Butylbenzene

Concen: 2.100 ppbv

RT: 11.519 min Scan# 3532

Delta R.T. -0.004 min

Lab File: VL042016.D

Acq: 14 Feb 2025 12:54

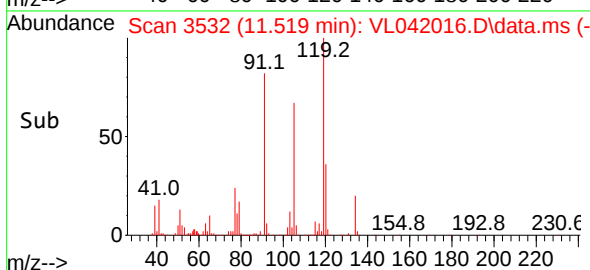
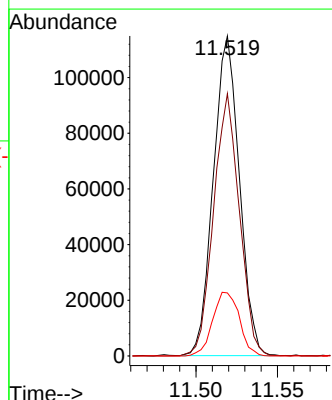
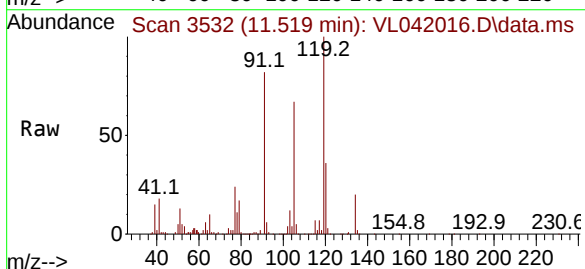
Tgt Ion:119 Resp: 127460

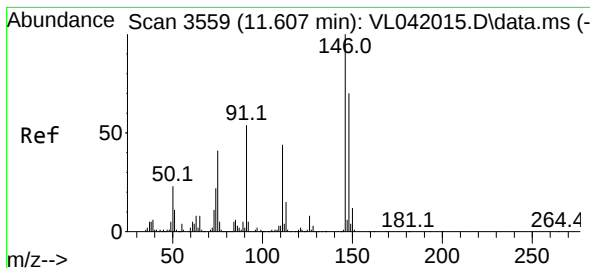
Ion Ratio Lower Upper

119 100

91 81.3 66.5 99.7

134 20.4 16.6 24.8





#66

Benzyl Chloride

Concen: 2.091 ppbv

RT: 11.600 min Scan# 31

Delta R.T. -0.007 min

Lab File: VL042016.D

Acq: 14 Feb 2025 12:54

Instrument :

MSVOA_L

ClientSampleId :

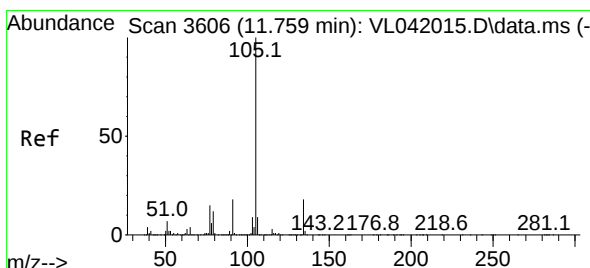
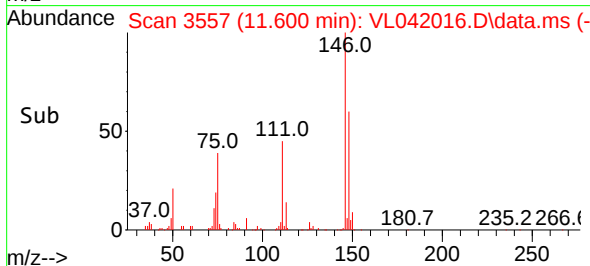
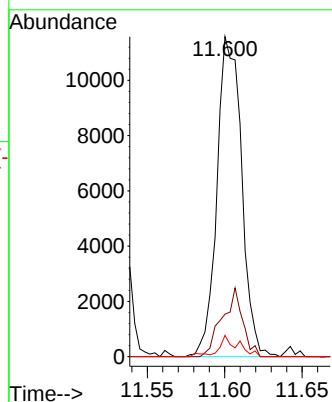
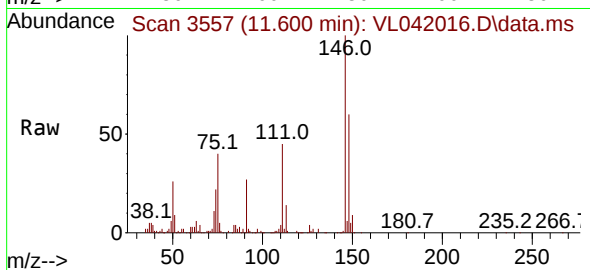
Tgt Ion: 91 Resp: 12799

Ion Ratio Lower Upper

91 100

126 18.0 13.8 20.6

128 5.3 4.1 6.1



#67

sec-Butylbenzene

Concen: 2.078 ppbv

RT: 11.756 min Scan# 3605

Delta R.T. -0.004 min

Lab File: VL042016.D

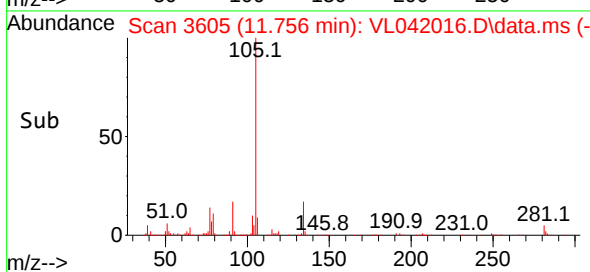
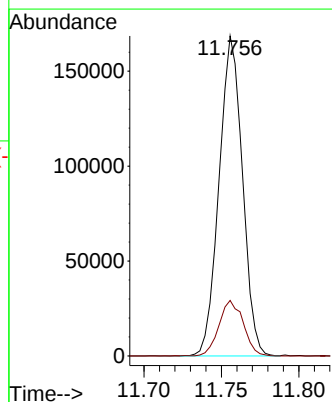
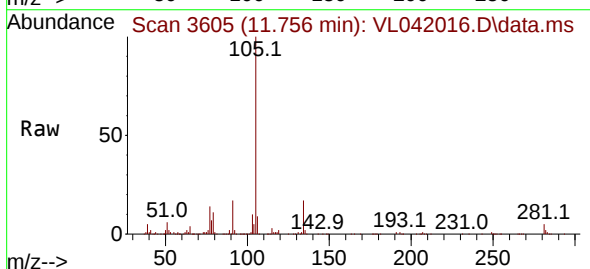
Acq: 14 Feb 2025 12:54

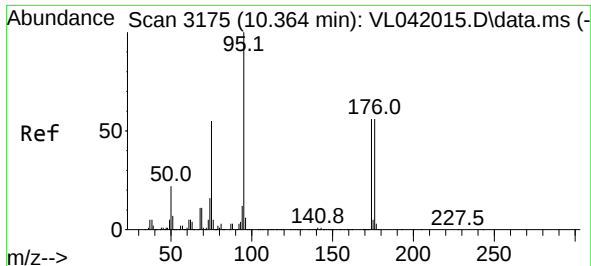
Tgt Ion: 105 Resp: 177152

Ion Ratio Lower Upper

105 100

134 18.1 14.7 22.1

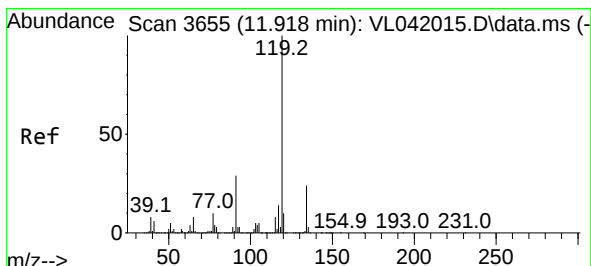
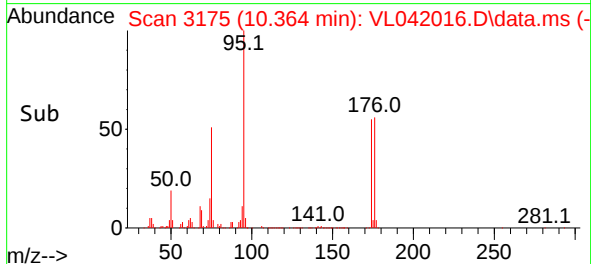
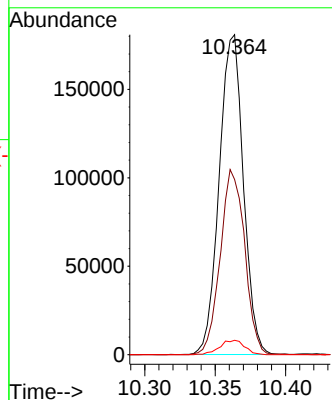
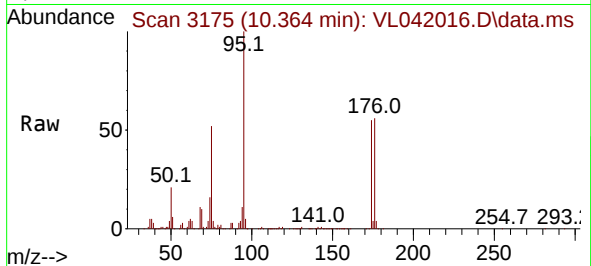




#68
1-Bromo-4-Fluorobenzene
Concen: 9.855 ppbv
RT: 10.364 min Scan# 3175
Delta R.T. -0.001 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

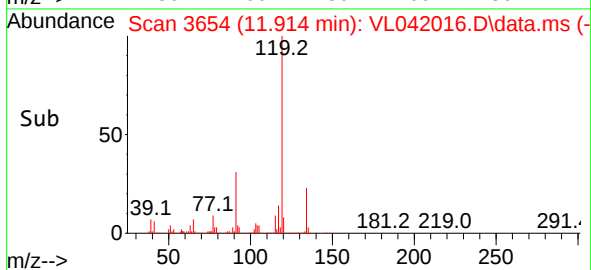
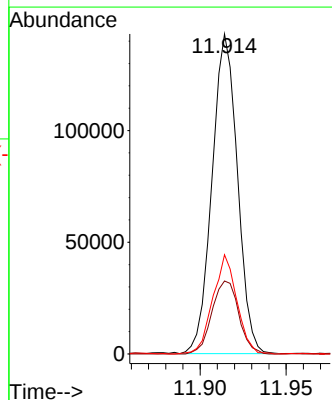
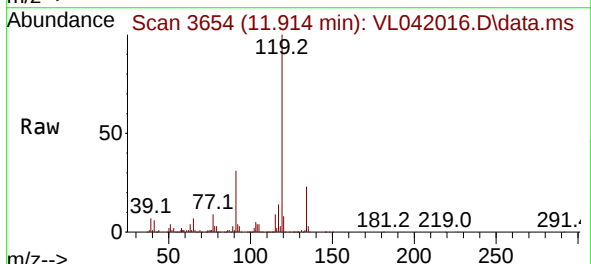
Instrument :
MSVOA_L
ClientSampleId :

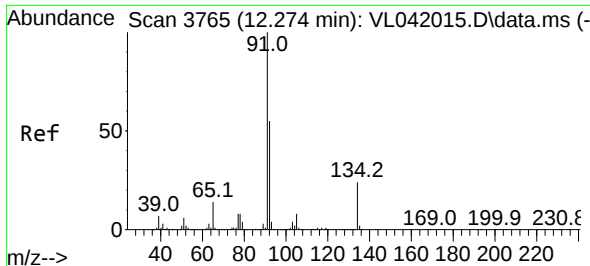
Tgt Ion: 95 Resp: 216186
Ion Ratio Lower Upper
95 100
174 58.6 46.7 70.1
175 4.7 3.7 5.5



#69
p-Isopropyltoluene
Concen: 2.106 ppbv
RT: 11.914 min Scan# 3654
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

Tgt Ion: 119 Resp: 146974
Ion Ratio Lower Upper
119 100
134 24.1 19.4 29.0
91 29.8 23.4 35.2

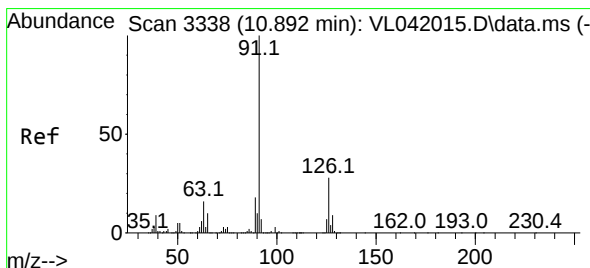
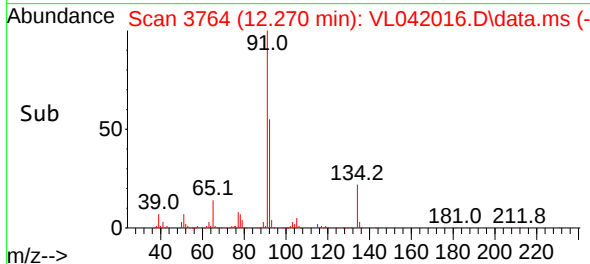
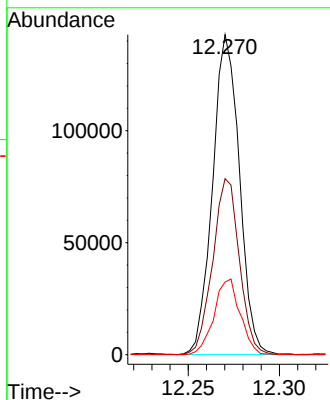
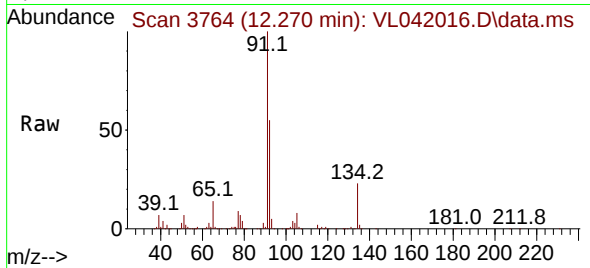




#70
n-Butylbenzene
Concen: 2.117 ppbv
RT: 12.270 min Scan# 31
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

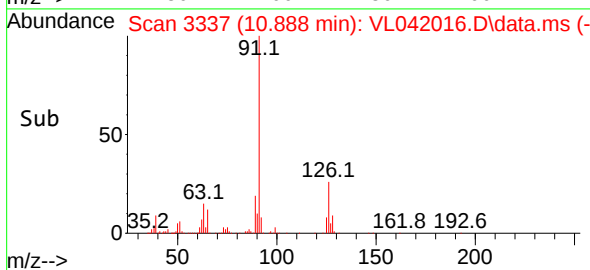
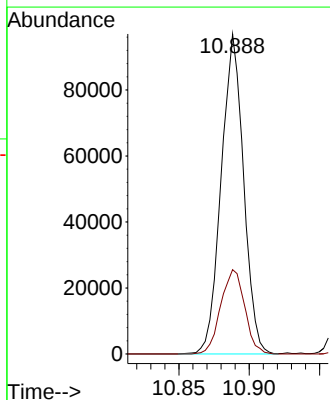
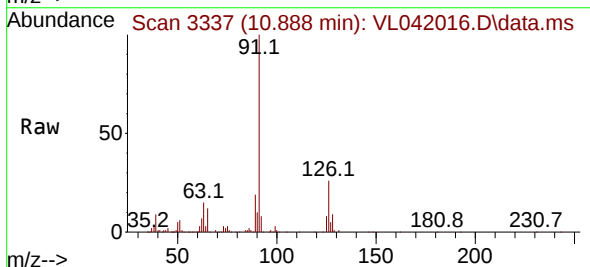
Instrument :
MSVOA_L
ClientSampleId :

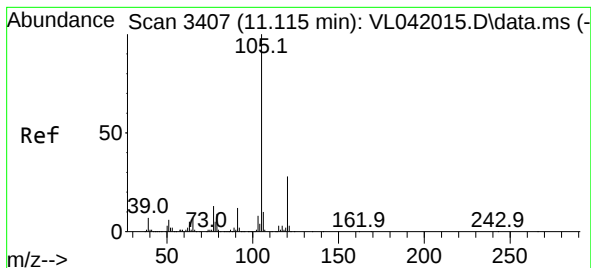
Tgt Ion: 91 Resp: 145476
Ion Ratio Lower Upper
91 100
92 55.2 43.8 65.8
134 23.2 18.6 27.8



#71
2-Chlorotoluene
Concen: 2.045 ppbv
RT: 10.888 min Scan# 3337
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

Tgt Ion: 91 Resp: 107212
Ion Ratio Lower Upper
91 100
126 28.1 11.2 45.0

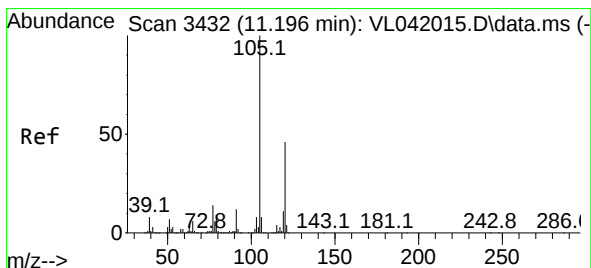
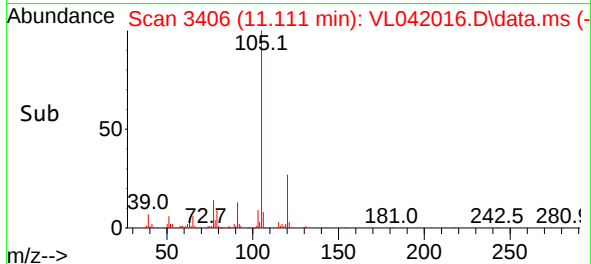
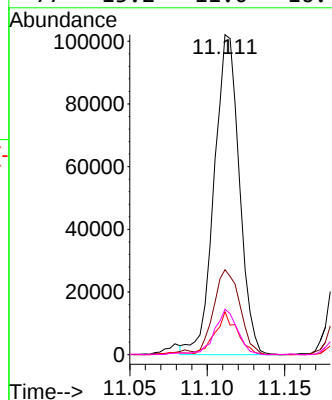
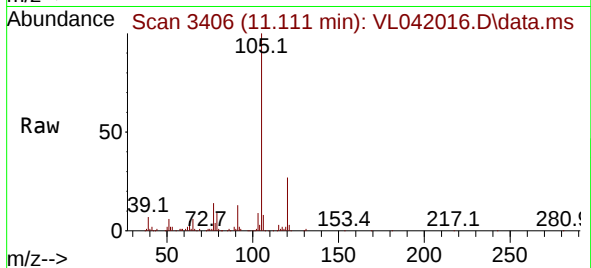




#72
4-Ethyltoluene
Concen: 2.120 ppbv
RT: 11.111 min Scan# 3406
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

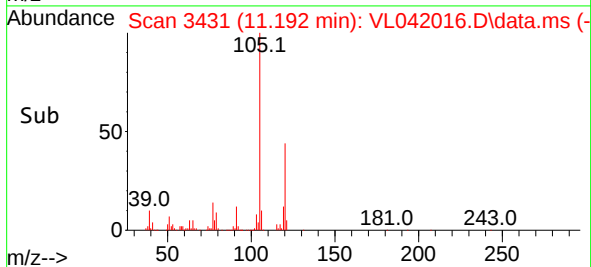
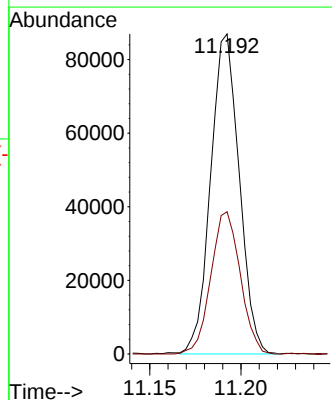
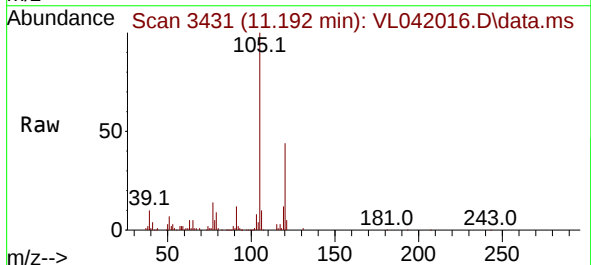
Instrument :
MSVOA_L
ClientSampleId :

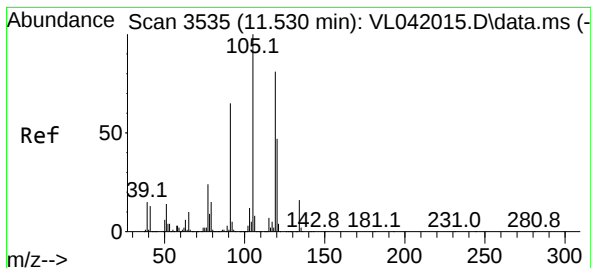
Tgt Ion:105 Resp: 115331
Ion Ratio Lower Upper
105 100
120 28.6 22.7 34.1
91 12.4 10.2 15.2
77 13.2 11.0 16.4



#73
1,3,5-Trimethylbenzene
Concen: 2.021 ppbv
RT: 11.192 min Scan# 3431
Delta R.T. -0.004 min
Lab File: VL042016.D
Acq: 14 Feb 2025 12:54

Tgt Ion:105 Resp: 94699
Ion Ratio Lower Upper
105 100
120 44.5 37.1 55.7





#74

1,2,4-Trimethylbenzene

Concen: 2.116 ppbv

RT: 11.523 min Scan# 3533

Delta R.T. -0.007 min

Lab File: VL042016.D

Acq: 14 Feb 2025 12:54

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:105 Resp: 106415

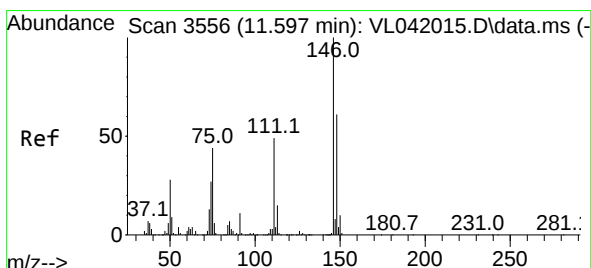
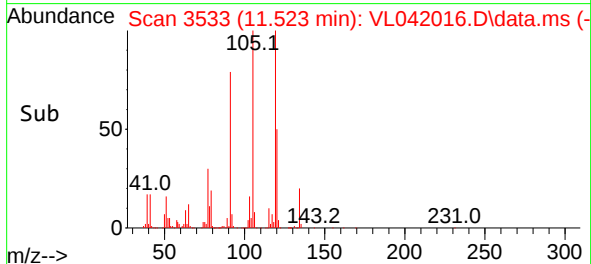
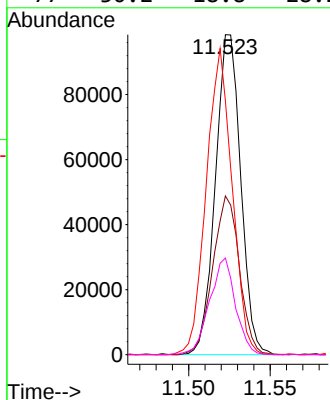
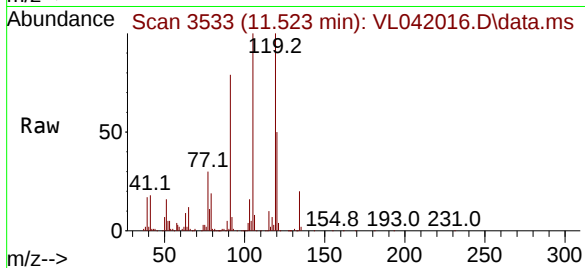
Ion Ratio Lower Upper

105 100

120 49.6 37.5 56.3

91 79.2 51.7 77.5#

77 30.2 18.8 28.2#



#75

1,3-Dichlorobenzene

Concen: 2.088 ppbv

RT: 11.594 min Scan# 3555

Delta R.T. -0.004 min

Lab File: VL042016.D

Acq: 14 Feb 2025 12:54

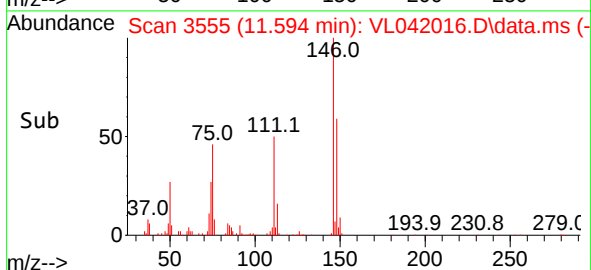
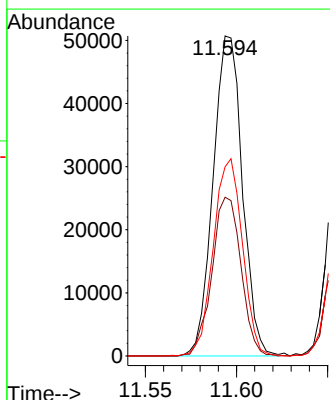
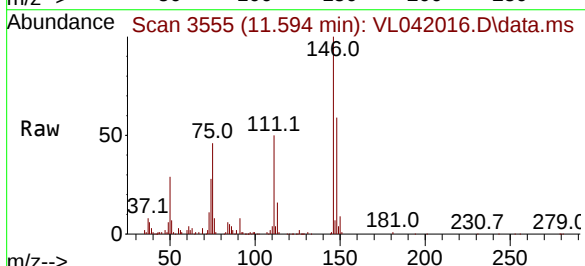
Tgt Ion:146 Resp: 56520

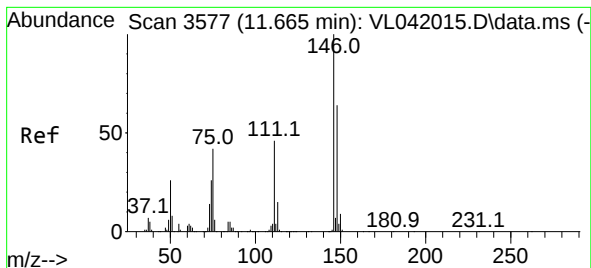
Ion Ratio Lower Upper

146 100

111 49.4 23.9 71.7

148 61.4 31.5 94.5





#76

1,4-Dichlorobenzene

Concen: 2.106 ppbv

RT: 11.662 min Scan# 3577

Delta R.T. -0.004 min

Lab File: VL042016.D

Acq: 14 Feb 2025 12:54

Instrument :

MSVOA_L

ClientSampleId :

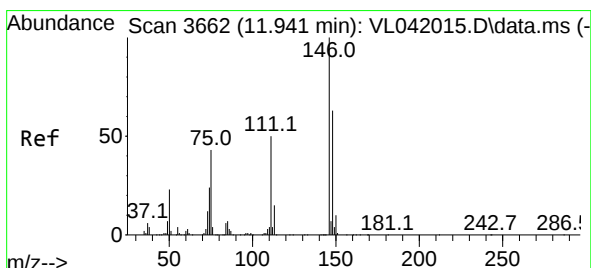
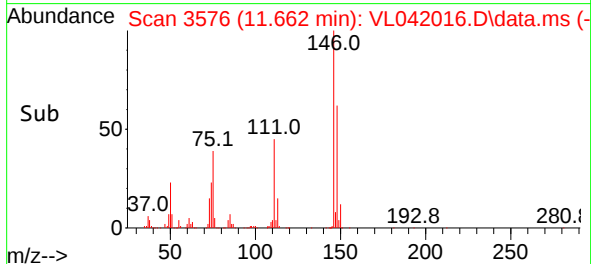
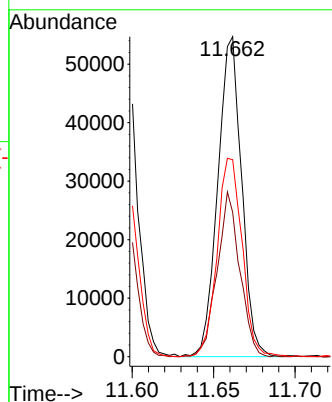
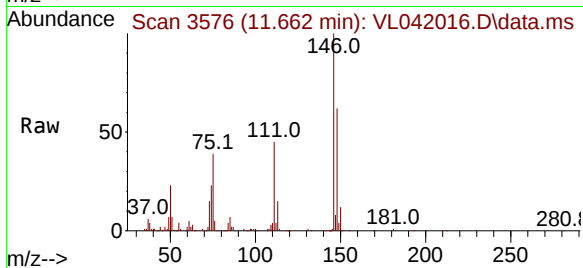
Tgt Ion:146 Resp: 55589

Ion Ratio Lower Upper

146 100

111 48.9 23.5 70.5

148 65.3 32.3 96.9



#77

1,2-Dichlorobenzene

Concen: 2.086 ppbv

RT: 11.934 min Scan# 3660

Delta R.T. -0.007 min

Lab File: VL042016.D

Acq: 14 Feb 2025 12:54

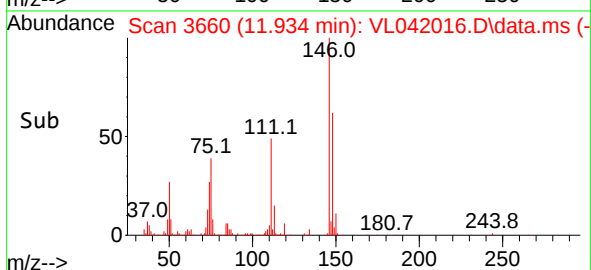
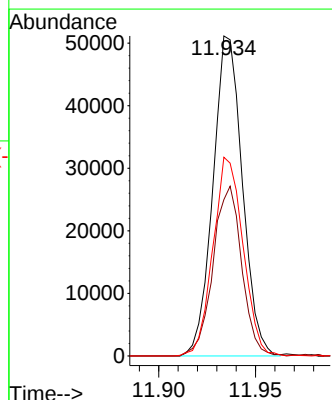
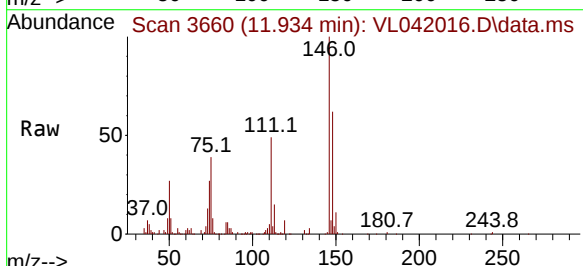
Tgt Ion:146 Resp: 53985

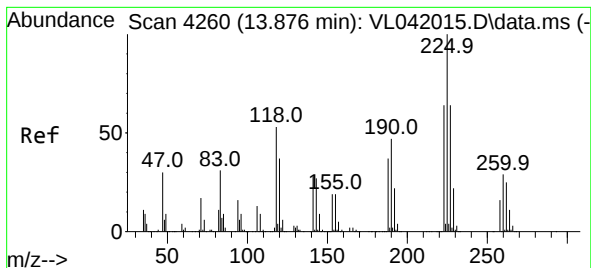
Ion Ratio Lower Upper

146 100

111 52.1 25.6 76.8

148 63.6 31.9 95.7





#78

Hexachloro-1,3-Butadiene

Concen: 2.209 ppbv

RT: 13.872 min Scan# 41

Delta R.T. -0.004 min

Lab File: VL042016.D

Acq: 14 Feb 2025 12:54

Instrument :

MSVOA_L

ClientSampleId :

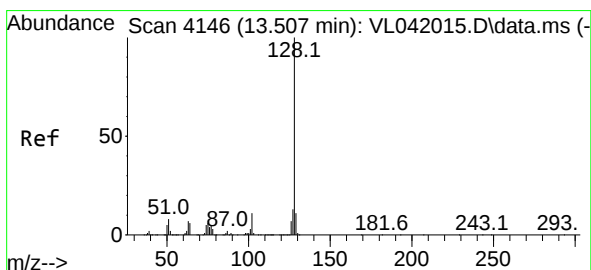
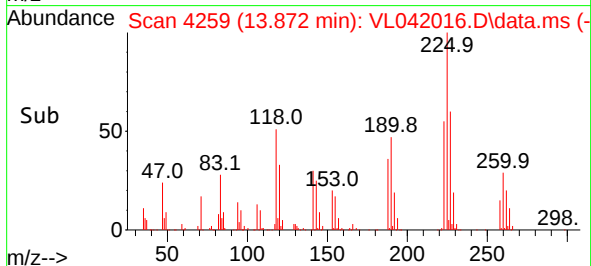
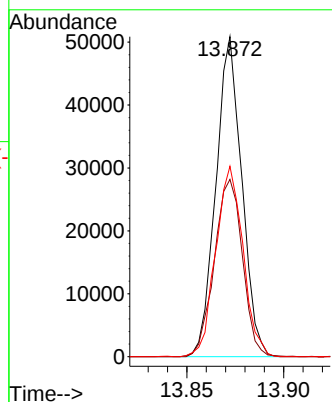
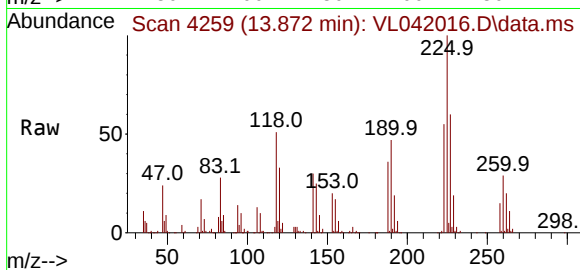
Tgt Ion:225 Resp: 47301

Ion Ratio Lower Upper

225 100

223 60.0 50.6 75.8

227 62.7 50.9 76.3



#79

Naphthalene

Concen: 2.437 ppbv

RT: 13.503 min Scan# 4145

Delta R.T. -0.004 min

Lab File: VL042016.D

Acq: 14 Feb 2025 12:54

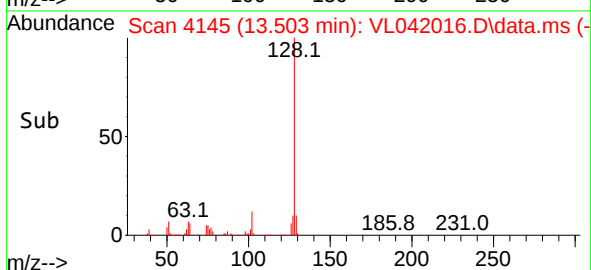
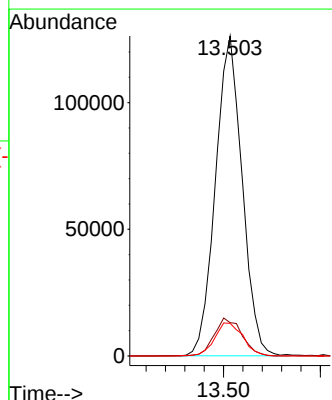
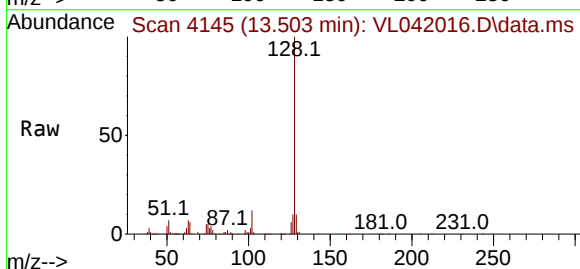
Tgt Ion:128 Resp: 120541

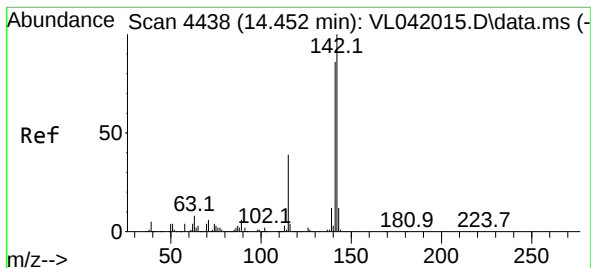
Ion Ratio Lower Upper

128 100

127 10.4 10.2 15.2

129 10.1 8.6 13.0





#80

Naphthalene, 2-methyl-

Concen: 2.950 ppbv

RT: 14.448 min Scan# 4438

Delta R.T. -0.004 min

Lab File: VL042016.D

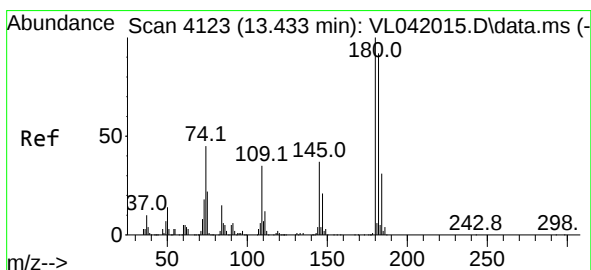
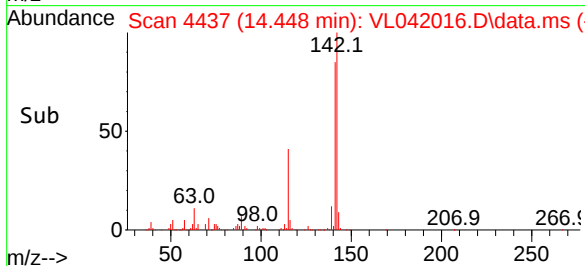
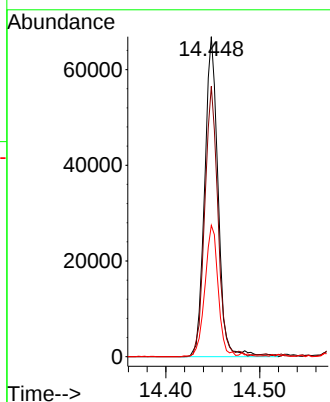
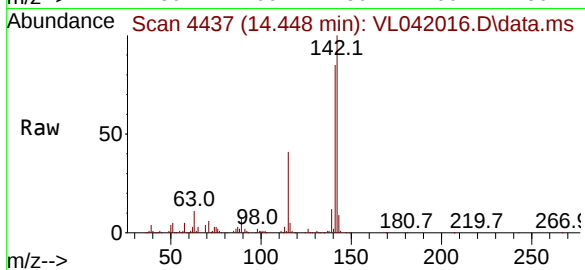
Acq: 14 Feb 2025 12:54

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:	142	Resp:	66327
Ion Ratio	Lower	Upper	
142	100		
141	84.7	68.2	102.2
115	41.4	33.6	50.4



#81

1,2,4-Trichlorobenzene

Concen: 2.315 ppbv

RT: 13.429 min Scan# 4122

Delta R.T. -0.004 min

Lab File: VL042016.D

Acq: 14 Feb 2025 12:54

Tgt Ion:	180	Resp:	46544
Ion Ratio	Lower	Upper	
180	100		
182	99.3	75.8	113.6
184	30.9	24.2	36.4

