

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032525\
 Data File : VL042166.D
 Acq On : 25 Mar 2025 10:00
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Quant Time: Mar 26 01:32:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032525AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Mar 26 01:29:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	180324	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	436654	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	362926	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	294076	10.369	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.700%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	25686	1.291	ppbv	96
3) Chlorodifluoromethane	1.476	51	25683	0.982	ppbv	99
4) Chloromethane	1.534	50	8786	1.203	ppbv	98
5) Vinyl Chloride	1.583	62	7833	1.151	ppbv	97
6) Bromomethane	1.670	94	4670	1.411	ppbv	90
7) Chloroethane	1.706	64	3510	1.246	ppbv #	85
8) Dichlorotetrafluoroethane	1.557	85	19761	1.222	ppbv	98
9) Propene	1.486	41	9640	0.908	ppbv	92
10) Heptane	4.994	43	21083	0.640	ppbv	98
11) Trichlorofluoromethane	1.881	101	26102	1.313	ppbv	91
12) 1,1,2-Trichlorotrifluo...	2.143	101	20660	1.285	ppbv	100
13) Ethanol	1.725	45	696	1.003	ppbv #	9
14) Bromoethene	1.784	108	6990	1.259	ppbv	88
15) Acetone	1.839	43	23701	1.412	ppbv	95
16) 1,3-Butadiene	1.612	39	9337	1.198	ppbv	94
17) tert-Butyl alcohol	2.046	59	22520	1.115	ppbv	99
18) 1,1-Dichloroethene	2.036	96	8993	1.263	ppbv	94
19) Isopropyl Alcohol	1.890	45	11836	1.241	ppbv #	1
20) Methylene Chloride	2.062	84	8528	1.354	ppbv	88
21) Allyl Chloride	2.098	41	13950	1.159	ppbv	91
22) trans-1,2-Dichloroethene	2.347	96	10061	1.196	ppbv	96
23) Vinyl Acetate	2.466	43	5873	0.547	ppbv #	91
24) 1,1-Dichloroethane	2.415	63	19489	1.244	ppbv #	93
25) Ethyl Acetate	2.845	43	54993	0.864	ppbv	99
26) Hexane	2.832	57	19803	0.776	ppbv	90
27) Carbon Disulfide	2.153	76	22696	1.219	ppbv #	80
28) Methyl tert-Butyl Ether	2.447	73	11594	0.880	ppbv	100
29) Chloroform	2.852	83	32652	0.940	ppbv	97
30) Cyclohexane	3.865	84	13017	0.639	ppbv	94
31) cis-1,2-Dichloroethene	2.729	61	18803	0.791	ppbv	96
32) 1,1,1-Trichloroethane	3.376	97	28739	0.868	ppbv	97
34) 2-Butanone	2.567	43	32544	0.946	ppbv	98
35) Carbon Tetrachloride	3.771	117	29498	0.968	ppbv	97
36) Benzene	3.664	78	40476	0.884	ppbv	97
37) 1,2-Dichloroethane	3.227	62	24591	0.965	ppbv	98
38) Trichloroethene	4.564	130	15060	0.806	ppbv	94
39) 1,2-Dichloropropane	4.324	63	15610	0.892	ppbv	94
40) 1,4-Dioxane	4.609	88	3260	0.412	ppbv #	1
41) Tetrahydrofuran	3.068	42	14238	0.711	ppbv	99
42) Bromodichloromethane	4.502	83	33374	0.970	ppbv	95
43) Methyl Methacrylate	4.891	69	5105	0.291	ppbv #	1
44) 2,2,4-Trimethylpentane	4.654	57	64335	0.787	ppbv	95
45) t-1,3-Dichloropropene	6.431	75	6920	0.407	ppbv #	77

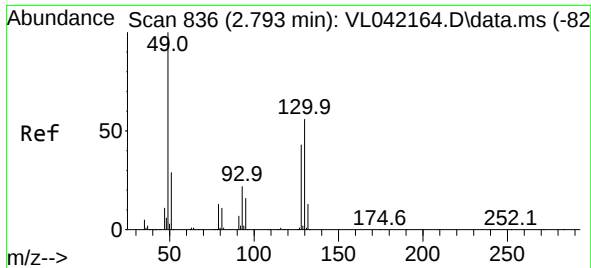
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 Data File : VL042166.D
 Acq On : 25 Mar 2025 10:00
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Quant Time: Mar 26 01:32:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032525AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Mar 26 01:29:19 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.625	75	5681	0.256	ppbv #	72
47) 1,1,2-Trichloroethane	6.600	97	16906	0.943	ppbv	97
48) Dibromochloromethane	7.399	129	25968	0.936	ppbv	95
49) Bromoform	9.490	173	21094	0.870	ppbv	99
50) 4-Methyl-2-Pentanone	5.771	43	10807	0.245	ppbv #	41
51) 2-Hexanone	7.461	43	25047	0.834	ppbv #	94
52) Tetrachloroethene	8.234	164	13624	0.872	ppbv	95
53) Toluene	6.949	91	30277	0.599	ppbv	98
54) 1,2-Dibromoethane	7.665	107	20541	0.862	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.933	131	22183	1.051	ppbv #	92
57) Chlorobenzene	8.933	112	37941	0.984	ppbv	95
58) Ethyl Benzene	9.364	91	39065	0.587	ppbv	99
59) m/p-Xylene	9.545	91	30902	0.572	ppbv #	100
60) o-Xylene	9.972	91	35807	0.656	ppbv	98
61) Styrene	9.885	104	11960	0.482	ppbv	96
62) Isopropylbenzene	10.548	105	56889	0.697	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.969	83	37917	1.045	ppbv	99
64) n-propylbenzene	10.998	120	15310	0.708	ppbv	94
65) tert-Butylbenzene	11.539	119	54928	0.731	ppbv	96
66) Benzyl Chloride	11.623	91	4126	0.741	ppbv #	97
67) sec-Butylbenzene	11.775	105	83586	0.776	ppbv	99
69) p-Isopropyltoluene	11.934	119	63349	0.735	ppbv	99
70) n-Butylbenzene	12.290	91	67648	0.763	ppbv	95
71) 2-Chlorotoluene	10.911	91	39453	0.629	ppbv	98
72) 4-Ethyltoluene	11.134	105	42519	0.633	ppbv #	93
73) 1,3,5-Trimethylbenzene	11.212	105	41350	0.712	ppbv	99
74) 1,2,4-Trimethylbenzene	11.545	105	55469	0.836	ppbv	89
75) 1,3-Dichlorobenzene	11.613	146	36145	0.938	ppbv	97
76) 1,4-Dichlorobenzene	11.678	146	34191	0.893	ppbv	98
77) 1,2-Dichlorobenzene	11.956	146	41451	1.097	ppbv	99
78) Hexachloro-1,3-Butadiene	13.889	225	36548	1.224	ppbv	98
79) Naphthalene	13.520	128	45583	0.953	ppbv	98
80) Naphthalene,2-methyl-	14.465	142	13723	0.960	ppbv	99
81) 1,2,4-Trichlorobenzene	13.445	180	22899	0.869	ppbv	96

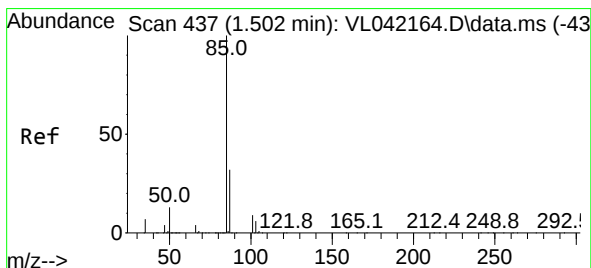
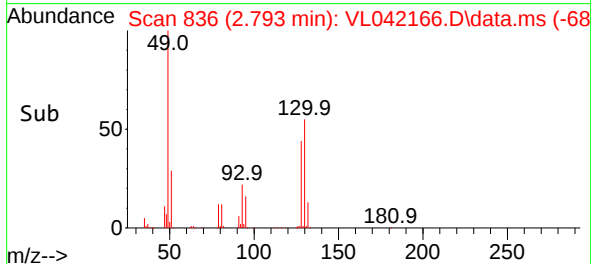
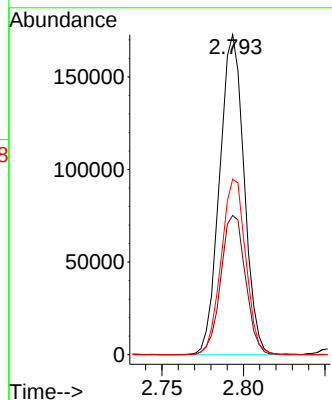
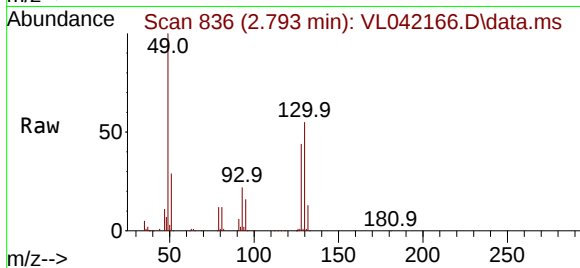
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL042166.D
Acq: 25 Mar 2025 10:00

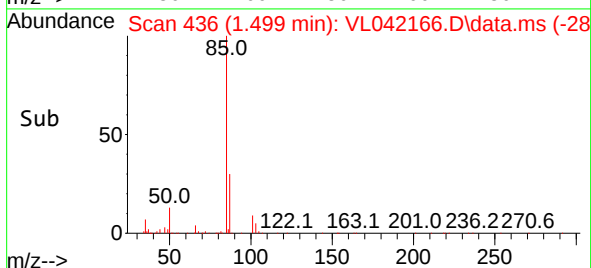
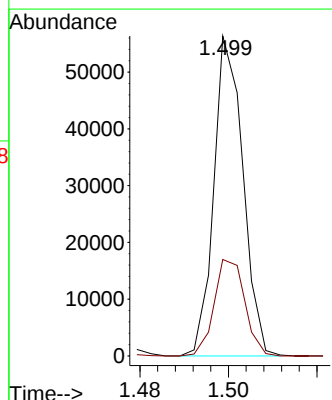
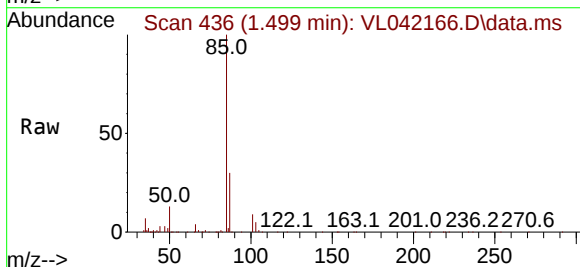
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

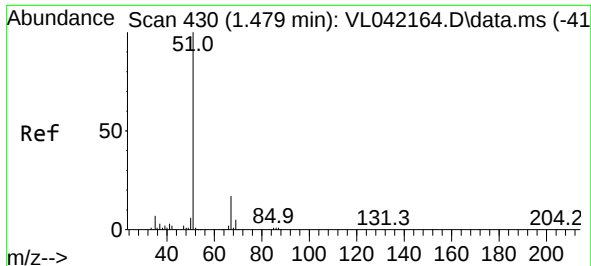
Tgt Ion: 49 Resp: 180324
Ion Ratio Lower Upper
49 100
128 44.0 21.5 64.5
130 55.0 27.3 81.9



#2
Dichlorodifluoromethane
Concen: 1.291 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.003 min
Lab File: VL042166.D
Acq: 25 Mar 2025 10:00

Tgt Ion: 85 Resp: 25686
Ion Ratio Lower Upper
85 100
87 30.1 26.0 39.0

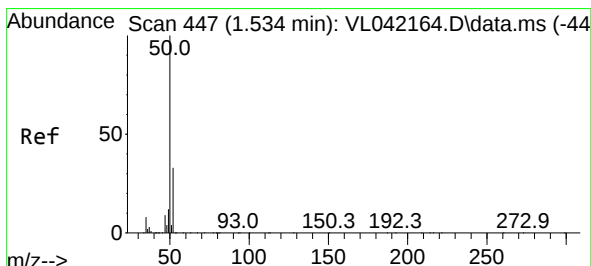
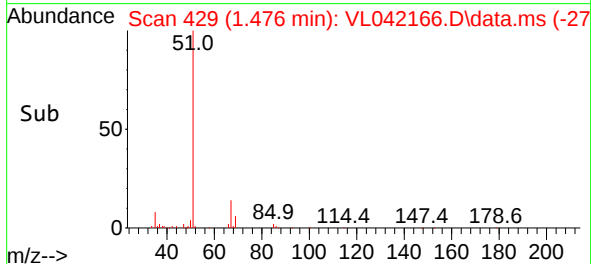
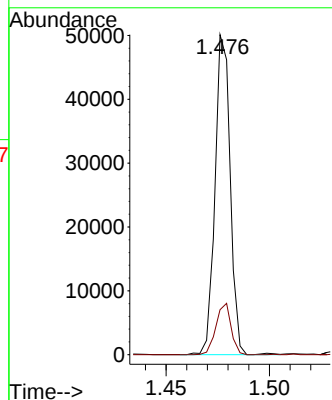
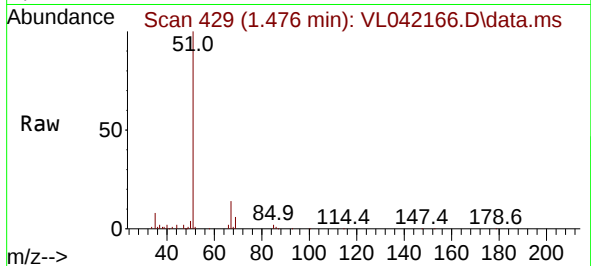




#3
Chlorodifluoromethane
Concen: 0.982 ppbv
RT: 1.476 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042166.D
Acq: 25 Mar 2025 10:00

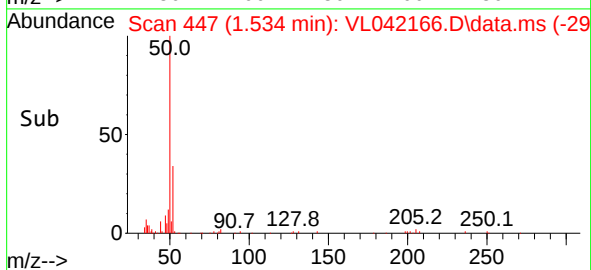
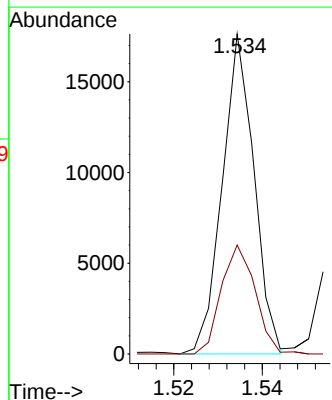
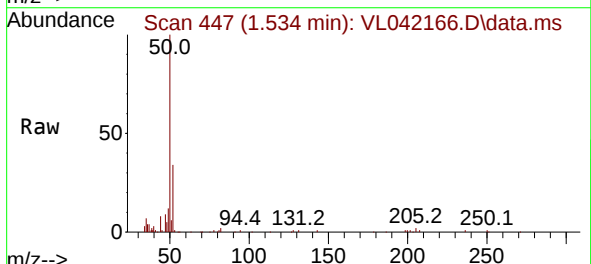
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MSVOA_L
ClientSampleId :
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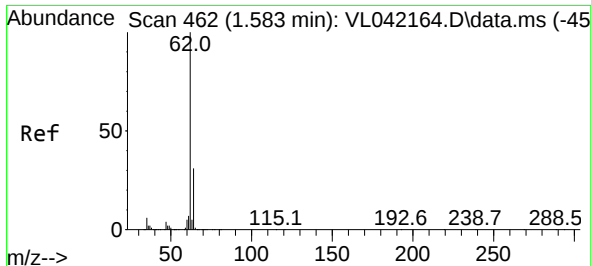
Tgt Ion: 51 Resp: 25683
Ion Ratio Lower Upper
51 100
67 16.0 13.3 19.9



#4
Chloromethane
Concen: 1.203 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL042166.D
Acq: 25 Mar 2025 10:00

Tgt Ion: 50 Resp: 8786
Ion Ratio Lower Upper
50 100
52 34.0 26.4 39.6

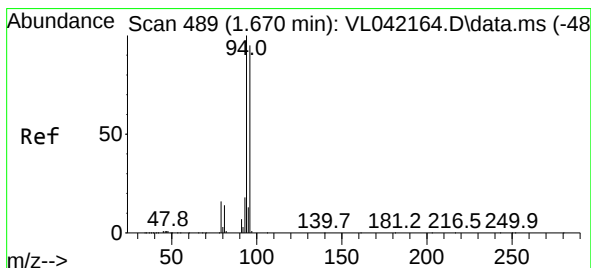
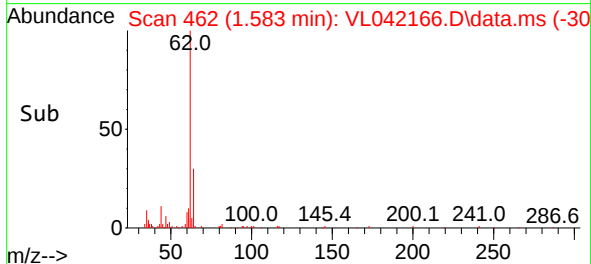
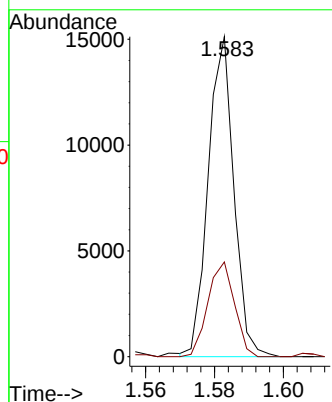
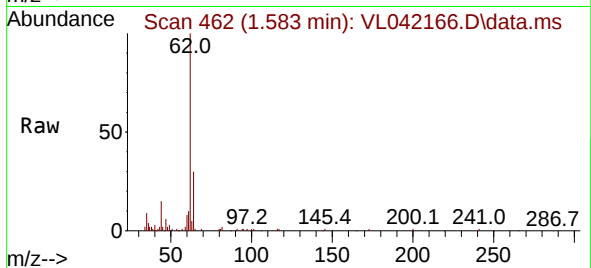




#5
 Vinyl Chloride
 Concen: 1.151 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.000 min
 Lab File: VL042166.D
 Acq: 25 Mar 2025 10:00

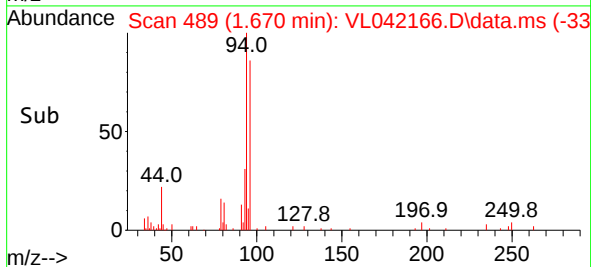
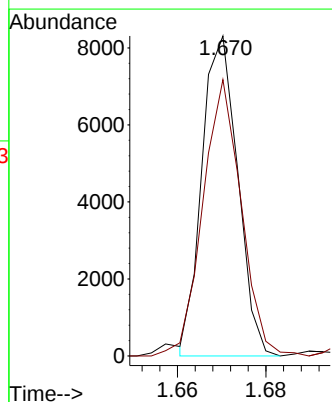
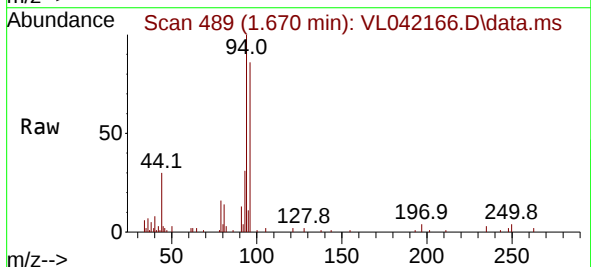
Instrument :
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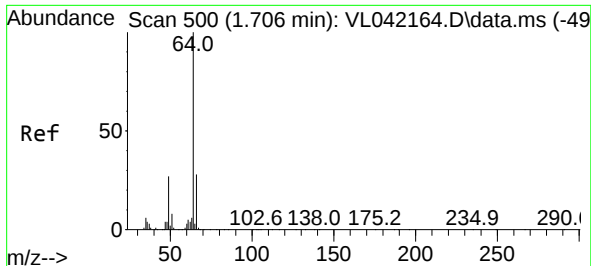
Tgt Ion: 62 Resp: 7833
 Ion Ratio Lower Upper
 62 100
 64 29.6 24.8 37.2



#6
 Bromomethane
 Concen: 1.411 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. 0.000 min
 Lab File: VL042166.D
 Acq: 25 Mar 2025 10:00

Tgt Ion: 94 Resp: 4670
 Ion Ratio Lower Upper
 94 100
 96 85.1 75.8 113.6

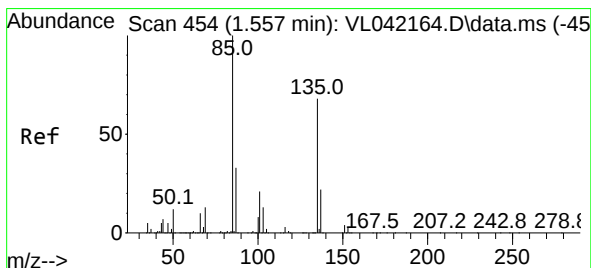
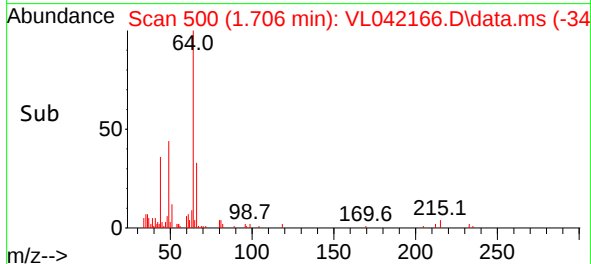
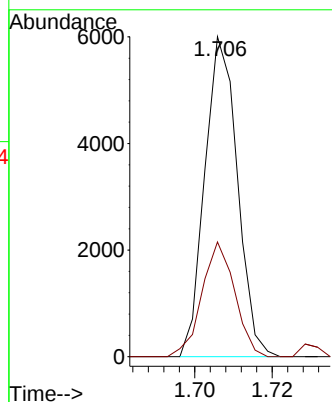
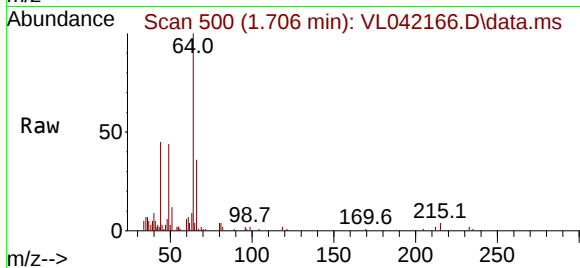




#7
Chloroethane
Concen: 1.246 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.000 min
Lab File: VL042166.D
Acq: 25 Mar 2025 10:00

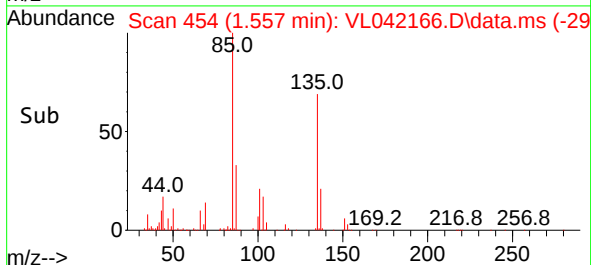
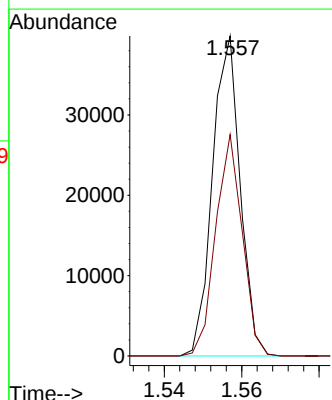
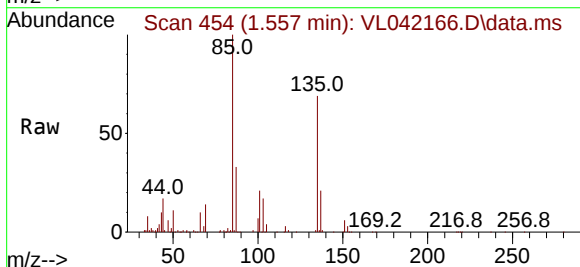
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

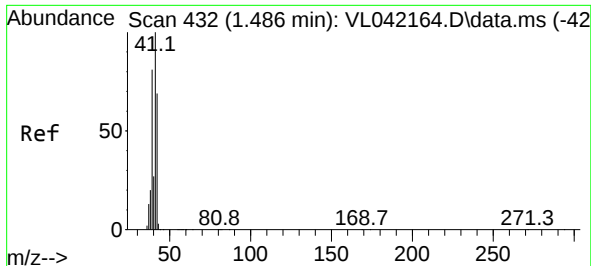
Tgt Ion: 64 Resp: 3510
Ion Ratio Lower Upper
64 100
66 35.8 22.2 33.4#



#8
Dichlorotetrafluoroethane
Concen: 1.222 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL042166.D
Acq: 25 Mar 2025 10:00

Tgt Ion: 85 Resp: 19761
Ion Ratio Lower Upper
85 100
135 66.6 54.3 81.5





#9

Propene

Concen: 0.908 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042166.D

Acq: 25 Mar 2025 10:00

Instrument :

MSVOA_1

ClientSampleId :

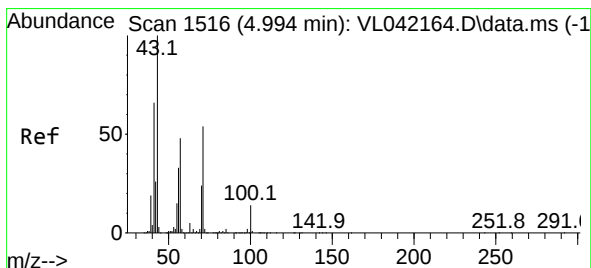
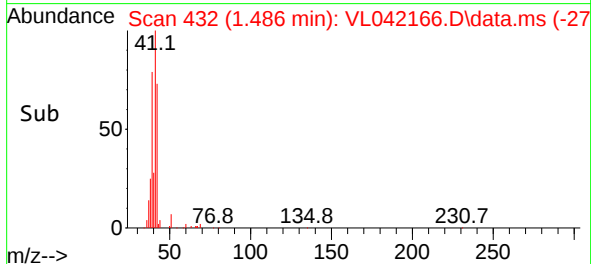
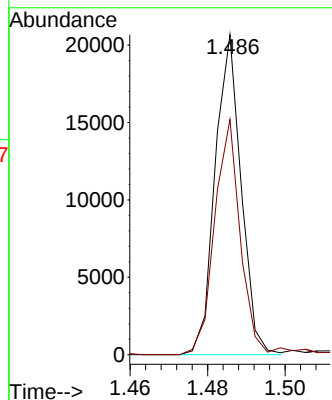
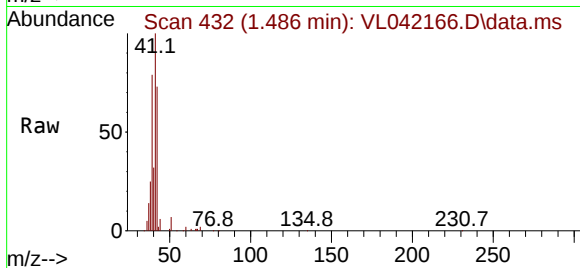
VSTDICC001

Tgt Ion: 41 Resp: 9640

Ion Ratio Lower Upper

41 100

42 76.3 55.9 83.9



#10

Heptane

Concen: 0.640 ppbv

RT: 4.994 min Scan# 1516

Delta R.T. 0.000 min

Lab File: VL042166.D

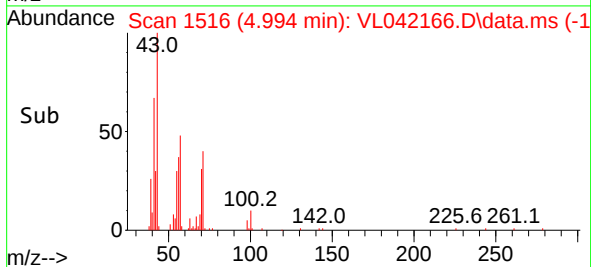
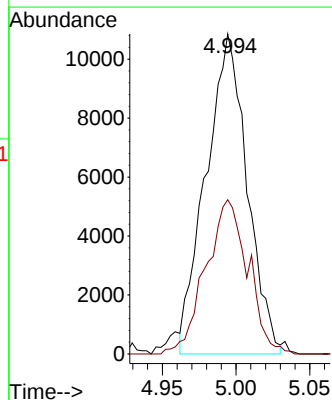
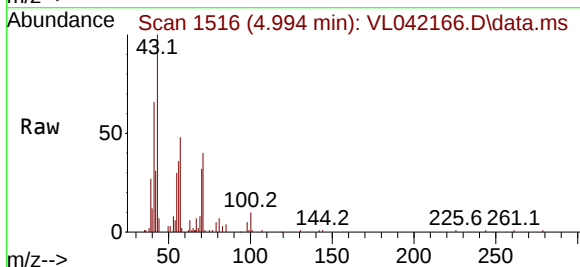
Acq: 25 Mar 2025 10:00

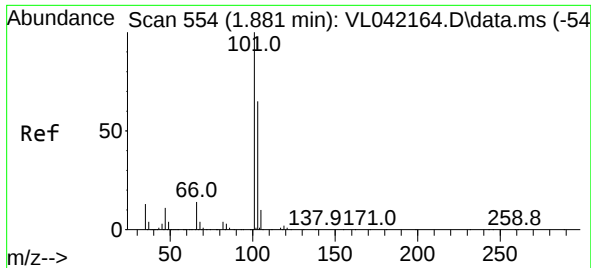
Tgt Ion: 43 Resp: 21083

Ion Ratio Lower Upper

43 100

57 49.5 38.3 57.5

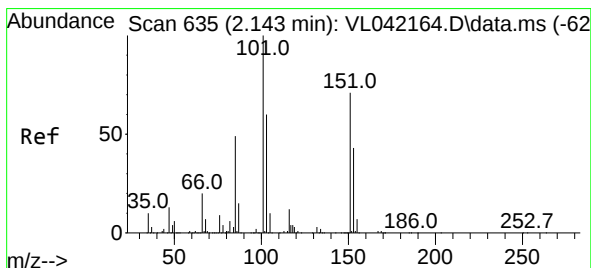
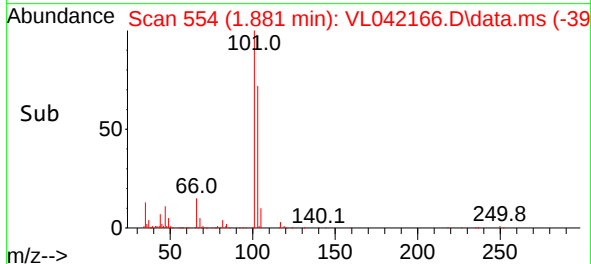
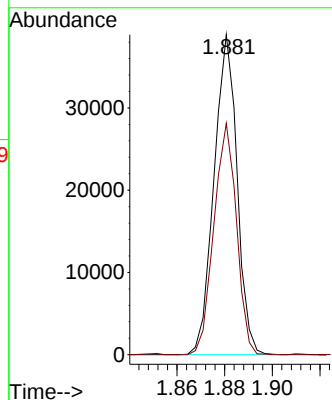
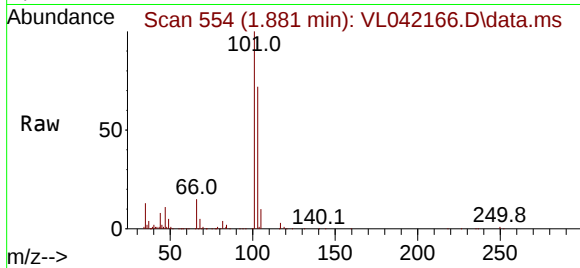




#11
Trichlorofluoromethane
Concen: 1.313 ppbv
RT: 1.881 min Scan# 511
Delta R.T. 0.000 min
Lab File: VL042166.D
Acq: 25 Mar 2025 10:00

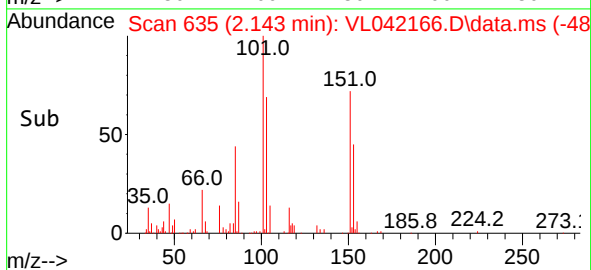
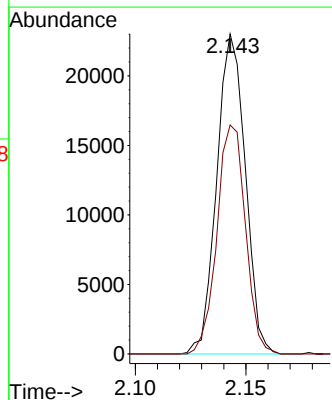
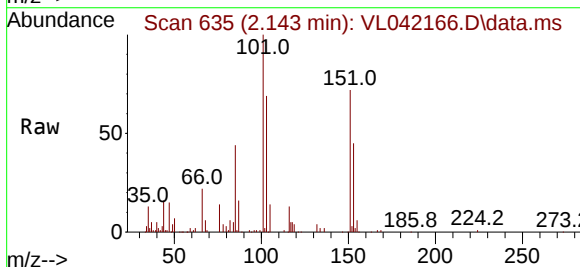
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

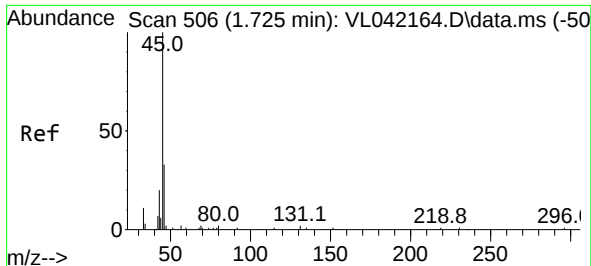
Tgt Ion:101 Resp: 26102
Ion Ratio Lower Upper
101 100
103 72.3 51.9 77.9



#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.285 ppbv
RT: 2.143 min Scan# 635
Delta R.T. 0.000 min
Lab File: VL042166.D
Acq: 25 Mar 2025 10:00

Tgt Ion:101 Resp: 20660
Ion Ratio Lower Upper
101 100
151 71.3 57.0 85.4

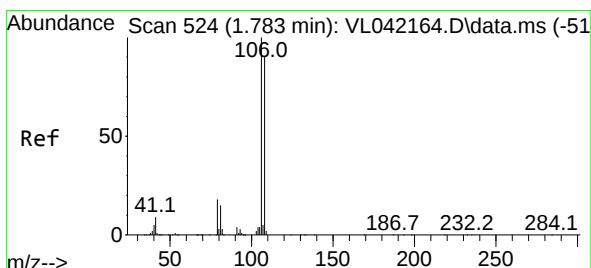
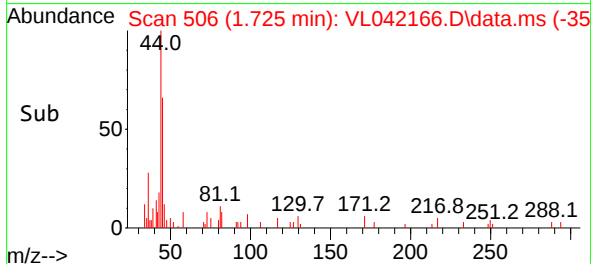
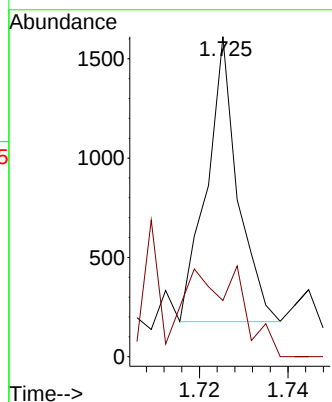
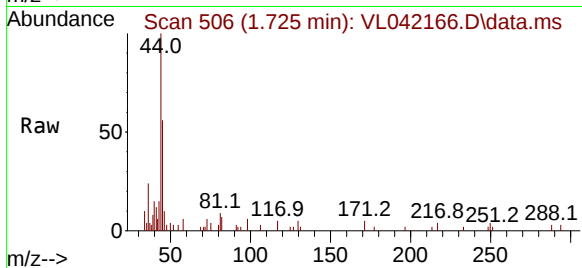




#13
 Ethanol
 Concen: 1.003 ppbv
 RT: 1.725 min Scan# 506
 Delta R.T. 0.000 min
 Lab File: VL042166.D
 Acq: 25 Mar 2025 10:00

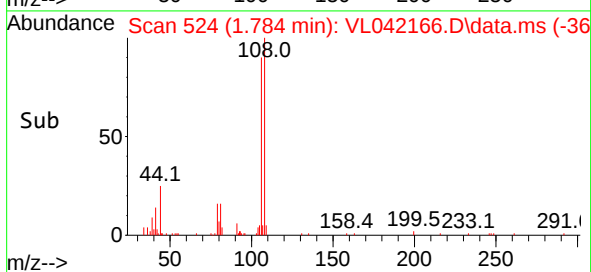
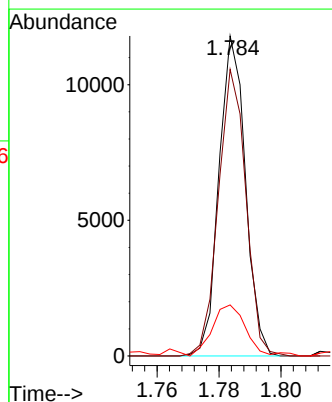
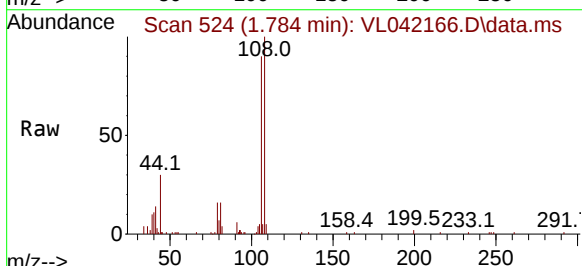
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

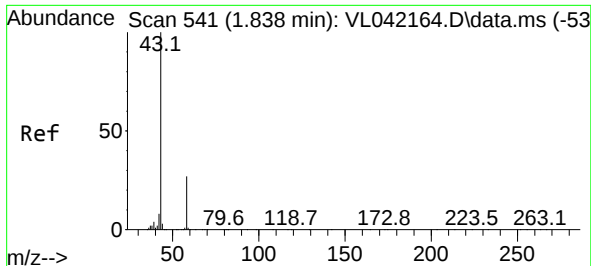
Tgt Ion: 45 Resp: 696
 Ion Ratio Lower Upper
 45 100
 46 97.1 16.3 65.1#



#14
 Bromoethene
 Concen: 1.259 ppbv
 RT: 1.784 min Scan# 524
 Delta R.T. 0.000 min
 Lab File: VL042166.D
 Acq: 25 Mar 2025 10:00

Tgt Ion: 108 Resp: 6990
 Ion Ratio Lower Upper
 108 100
 106 93.3 85.8 128.8
 79 21.4 15.5 23.3





#15

Acetone

Concen: 1.412 ppbv

RT: 1.839 min Scan# 541

Delta R.T. 0.000 min

Lab File: VL042166.D

Acq: 25 Mar 2025 10:00

Instrument :

MSVOA_L

ClientSampleId :

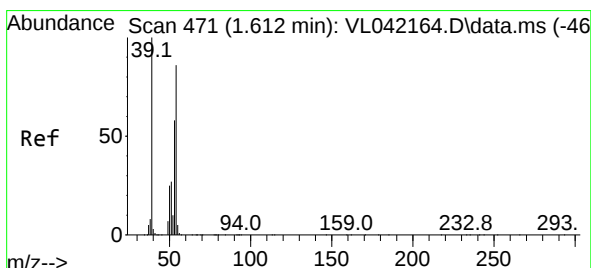
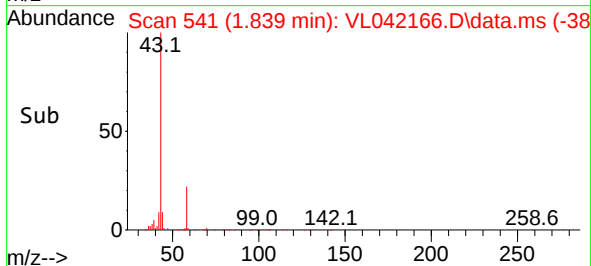
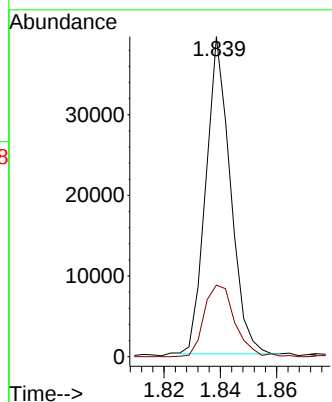
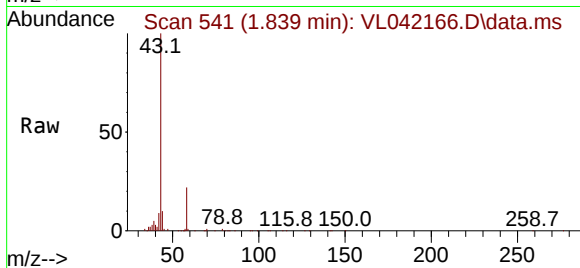
VSTDIC001

Tgt Ion: 43 Resp: 23701

Ion Ratio Lower Upper

43 100

58 28.7 20.9 31.3



#16

1,3-Butadiene

Concen: 1.198 ppbv

RT: 1.612 min Scan# 471

Delta R.T. 0.000 min

Lab File: VL042166.D

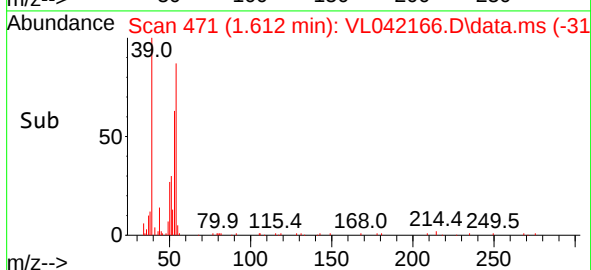
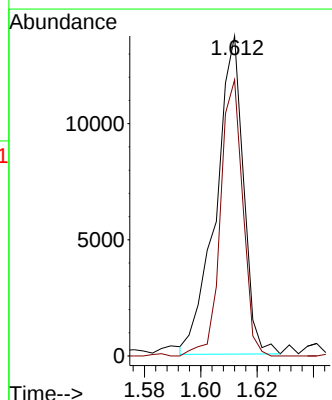
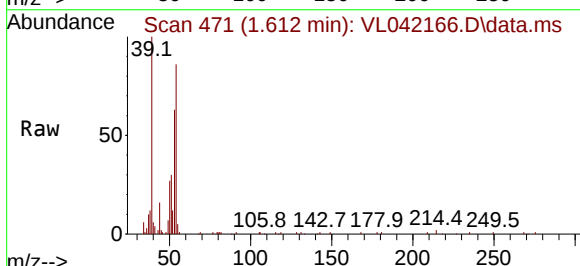
Acq: 25 Mar 2025 10:00

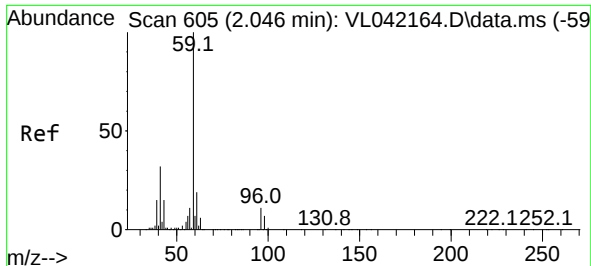
Tgt Ion: 39 Resp: 9337

Ion Ratio Lower Upper

39 100

54 69.9 60.0 90.0

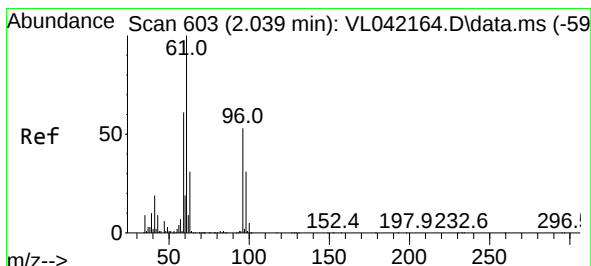
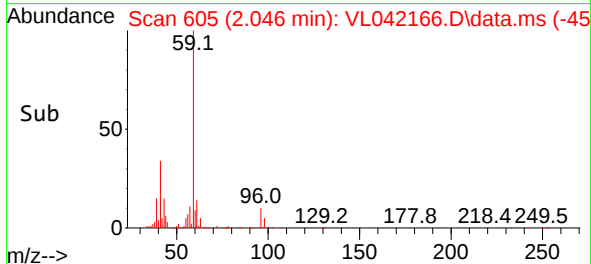
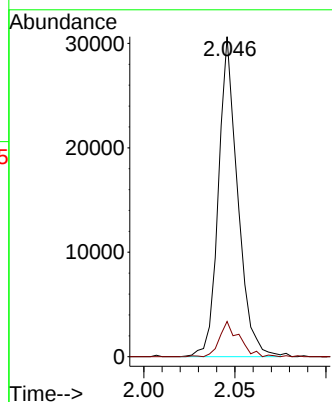
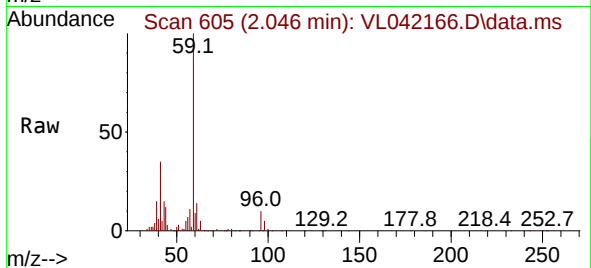




#17
tert-Butyl alcohol
Concen: 1.115 ppbv
RT: 2.046 min Scan# 605
Delta R.T. 0.000 min
Lab File: VL042166.D
Acq: 25 Mar 2025 10:00

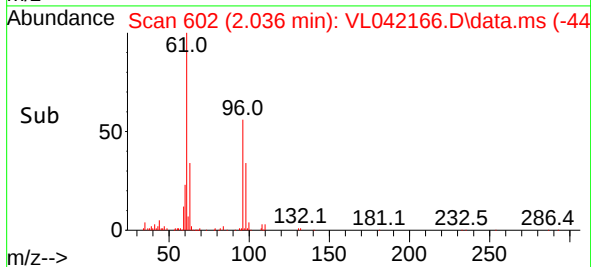
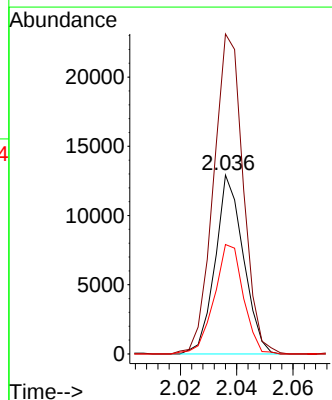
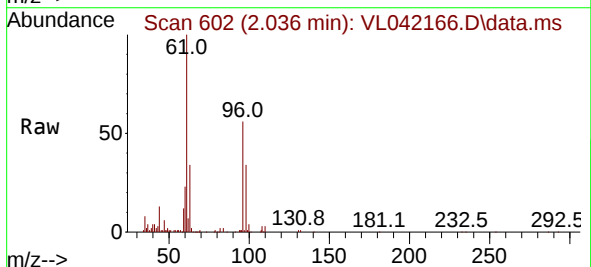
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

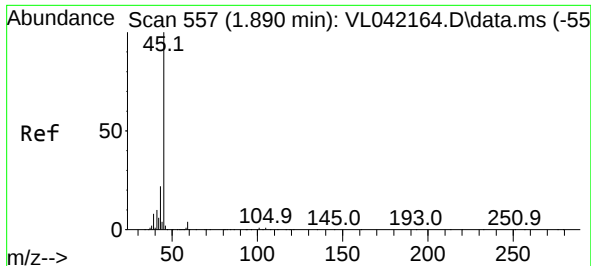
Tgt Ion: 59 Resp: 22520
Ion Ratio Lower Upper
59 100
57 11.4 8.9 13.3



#18
1,1-Dichloroethene
Concen: 1.263 ppbv
RT: 2.036 min Scan# 602
Delta R.T. -0.003 min
Lab File: VL042166.D
Acq: 25 Mar 2025 10:00

Tgt Ion: 96 Resp: 8993
Ion Ratio Lower Upper
96 100
61 178.2 150.0 225.0
98 61.2 45.7 68.5

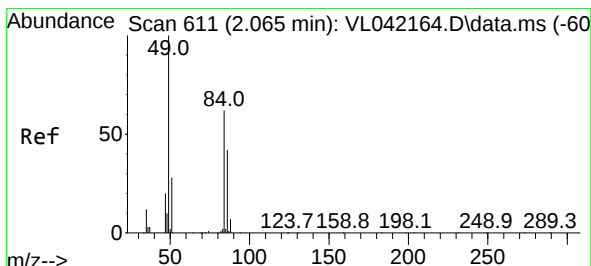
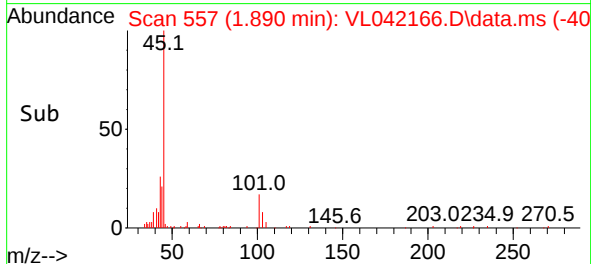
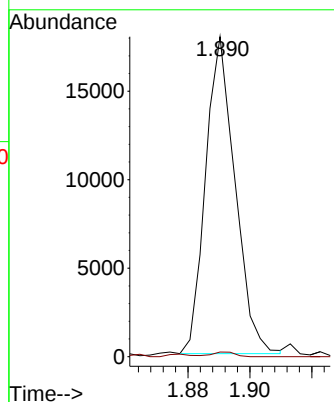
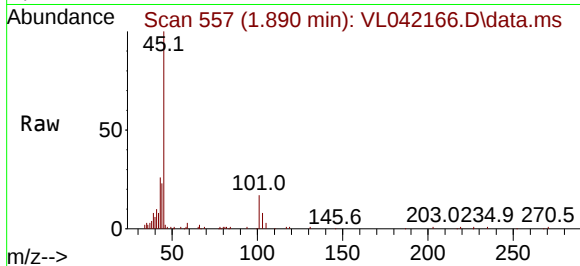




#19
Isopropyl Alcohol
Concen: 1.241 ppbv
RT: 1.890 min Scan# 511
Delta R.T. 0.000 min
Lab File: VL042166.D
Acq: 25 Mar 2025 10:00

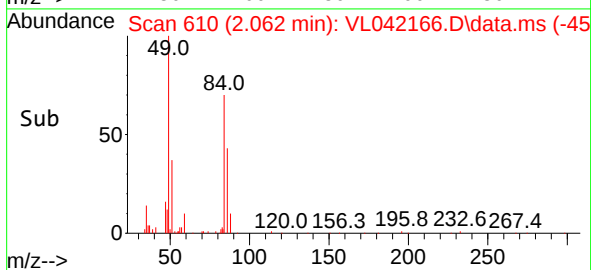
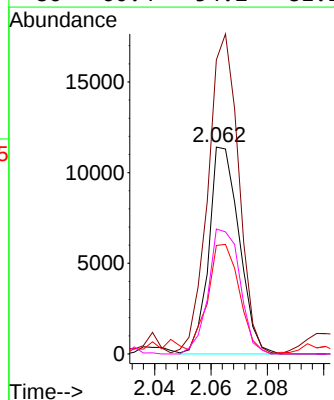
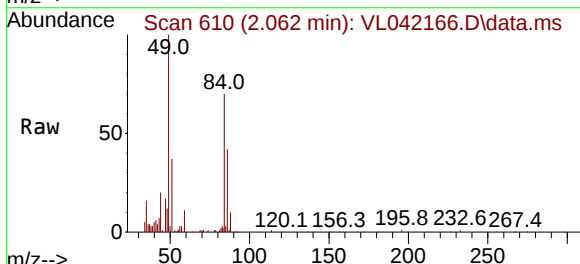
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

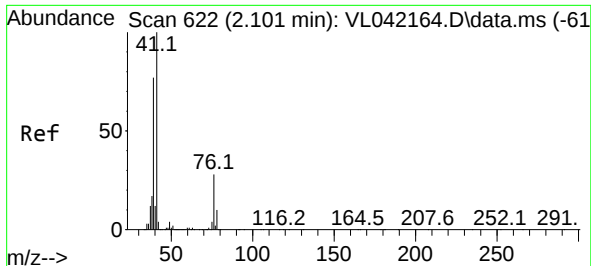
Tgt Ion: 45 Resp: 11836
Ion Ratio Lower Upper
45 100
58 58.7 1.8 2.8#



#20
Methylene Chloride
Concen: 1.354 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.003 min
Lab File: VL042166.D
Acq: 25 Mar 2025 10:00

Tgt Ion: 84 Resp: 8528
Ion Ratio Lower Upper
84 100
49 142.1 129.4 194.0
51 51.6 38.2 57.2
86 60.4 54.2 81.2

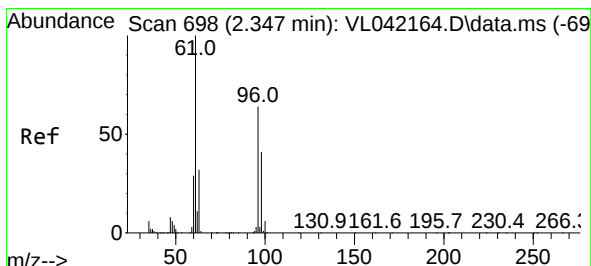
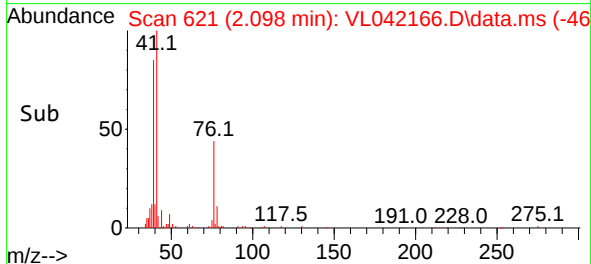
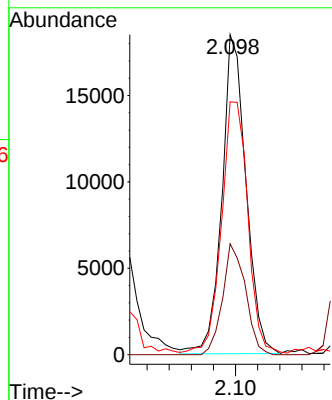
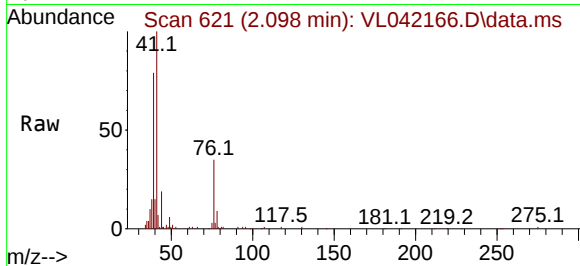




#21
 Allyl Chloride
 Concen: 1.159 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VL042166.D
 Acq: 25 Mar 2025 10:00

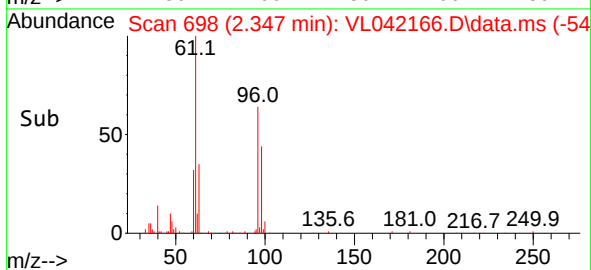
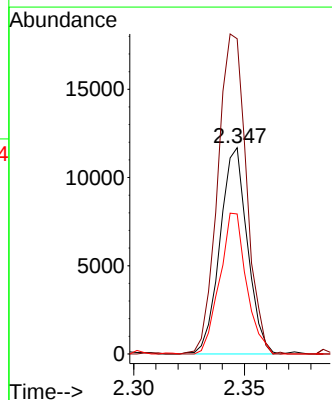
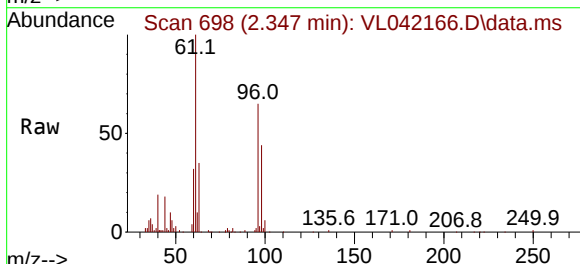
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

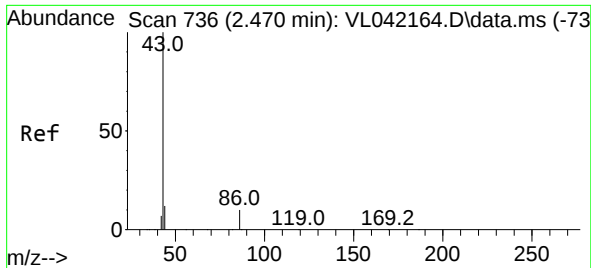
Tgt Ion: 41 Resp: 13950
 Ion Ratio Lower Upper
 41 100
 76 33.1 22.2 33.4
 39 84.2 61.4 92.2



#22
 trans-1,2-Dichloroethene
 Concen: 1.196 ppbv
 RT: 2.347 min Scan# 698
 Delta R.T. 0.000 min
 Lab File: VL042166.D
 Acq: 25 Mar 2025 10:00

Tgt Ion: 96 Resp: 10061
 Ion Ratio Lower Upper
 96 100
 61 152.8 125.8 188.8
 98 67.9 51.4 77.2

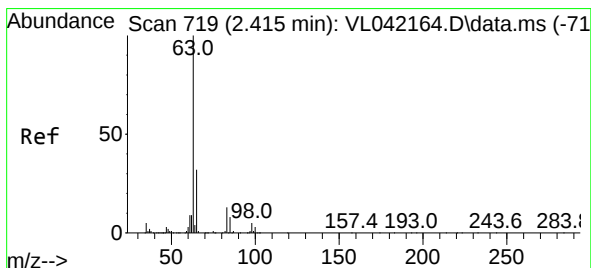
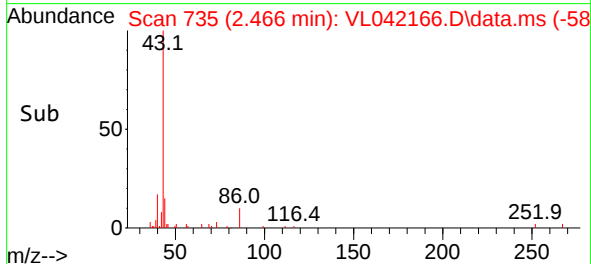
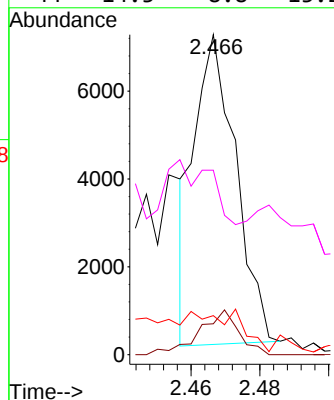
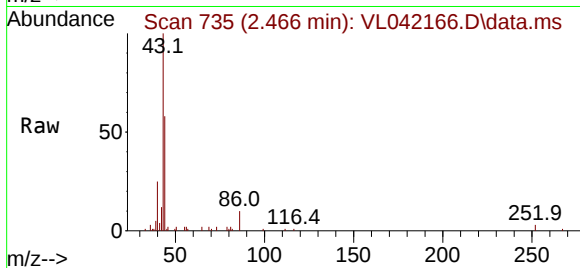




#23
Vinyl Acetate
Concen: 0.547 ppbv
RT: 2.466 min Scan# 719
Delta R.T. -0.003 min
Lab File: VL042166.D
Acq: 25 Mar 2025 10:00

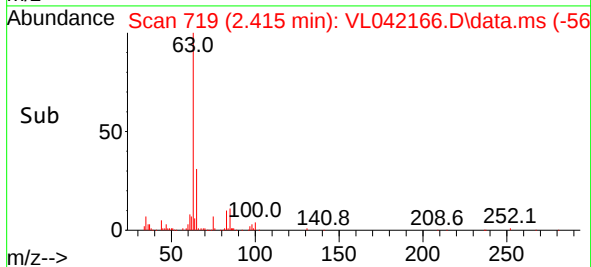
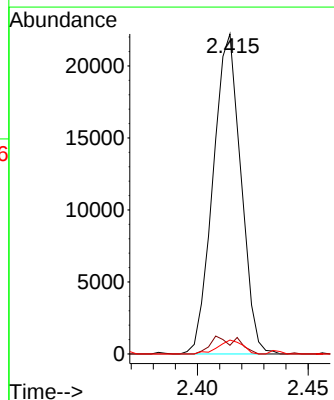
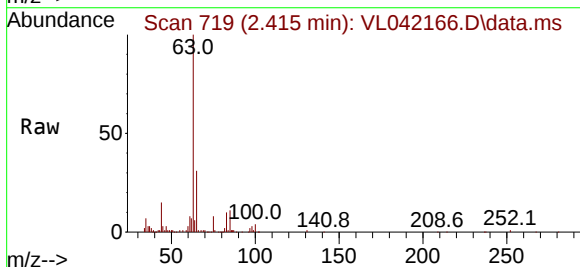
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

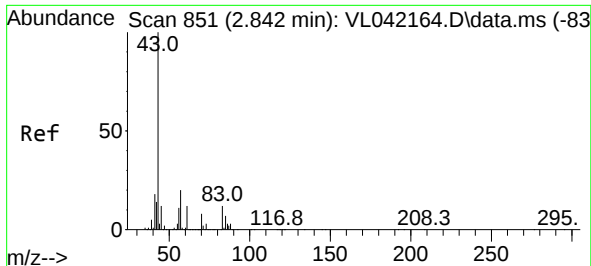
Tgt Ion:	43	Resp:	5873
Ion	Ratio	Lower	Upper
43	100		
86	10.1	6.7	10.1#
42	6.3	8.5	12.7#
44	14.3	8.8	13.2#



#24
1,1-Dichloroethane
Concen: 1.244 ppbv
RT: 2.415 min Scan# 719
Delta R.T. 0.000 min
Lab File: VL042166.D
Acq: 25 Mar 2025 10:00

Tgt Ion:	63	Resp:	19489
Ion	Ratio	Lower	Upper
63	100		
98	2.7	2.6	7.8
100	4.4	1.4	4.0#

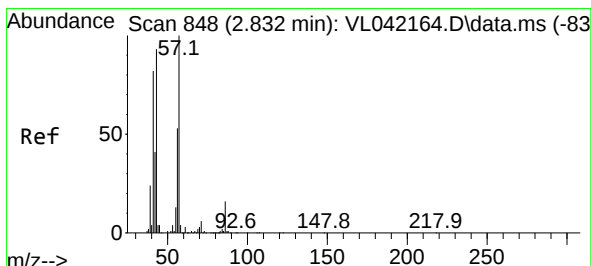
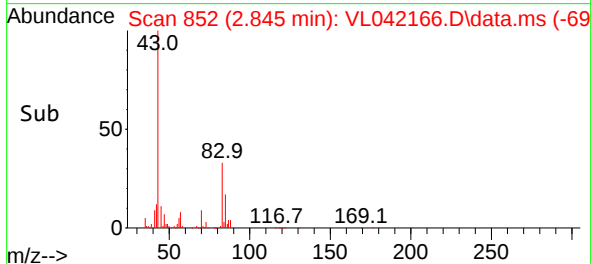
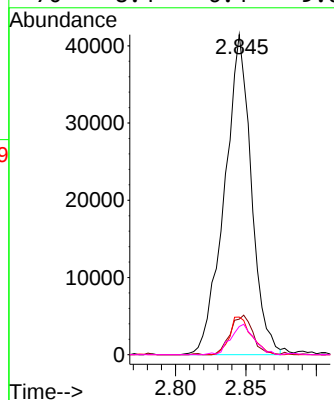
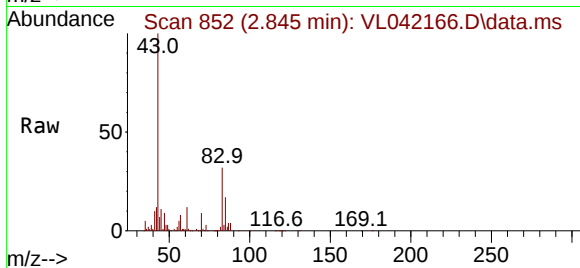




#25
Ethyl Acetate
Concen: 0.864 ppbv
RT: 2.845 min Scan# 851
Delta R.T. 0.003 min
Lab File: VL042166.D
Acq: 25 Mar 2025 10:00

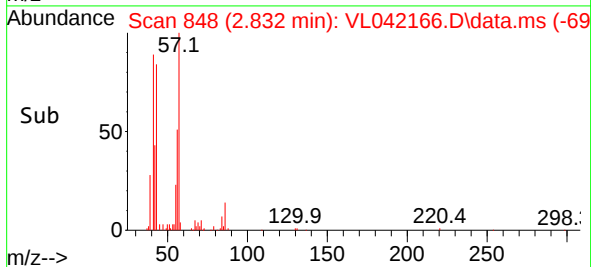
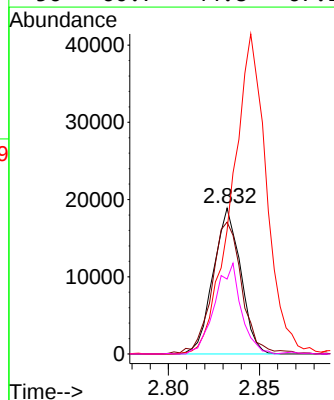
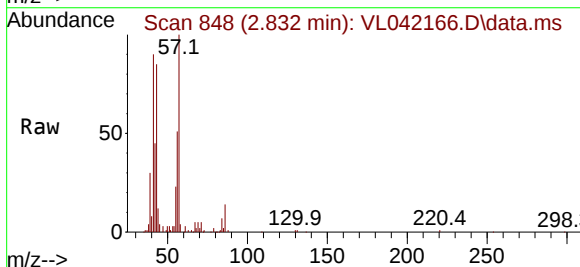
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

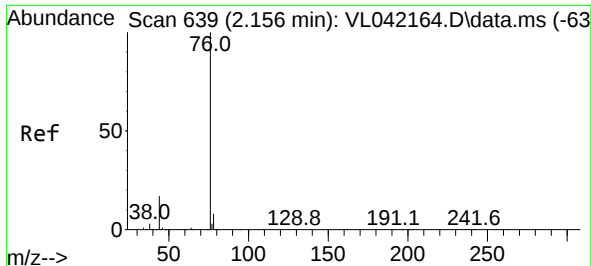
Tgt Ion:	43	Resp:	54993
Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.4	12.6
61	9.7	7.3	10.9
70	8.4	6.4	9.6



#26
Hexane
Concen: 0.776 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.000 min
Lab File: VL042166.D
Acq: 25 Mar 2025 10:00

Tgt Ion:	57	Resp:	19803
Ion	Ratio	Lower	Upper
57	100		
41	99.9	73.9	110.9
43	282.1	210.0	315.0
56	60.7	44.8	67.2

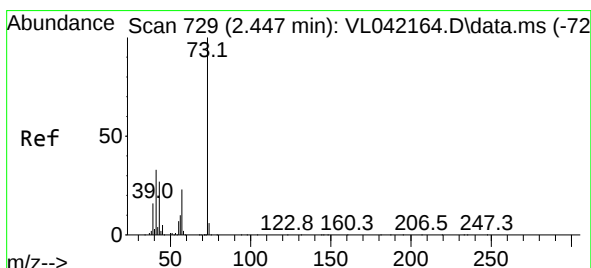
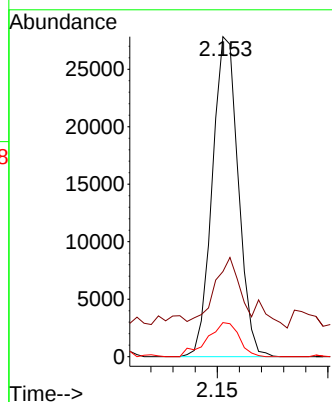
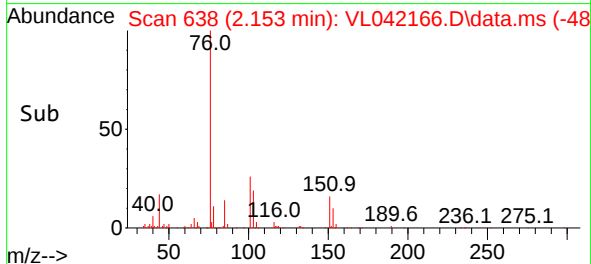
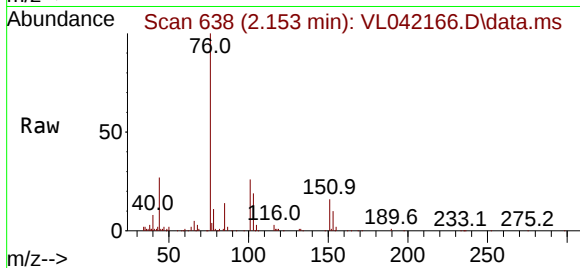




#27
Carbon Disulfide
Concen: 1.219 ppbv
RT: 2.153 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL042166.D
Acq: 25 Mar 2025 10:00

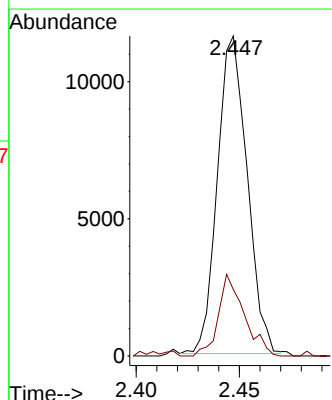
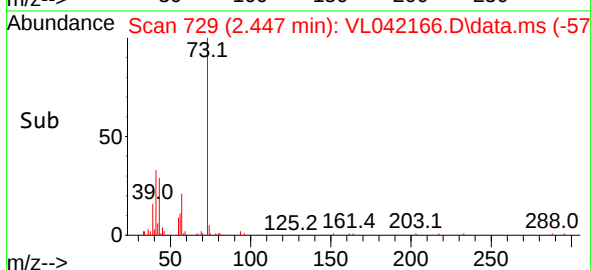
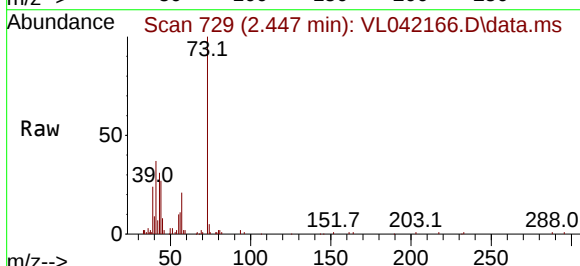
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

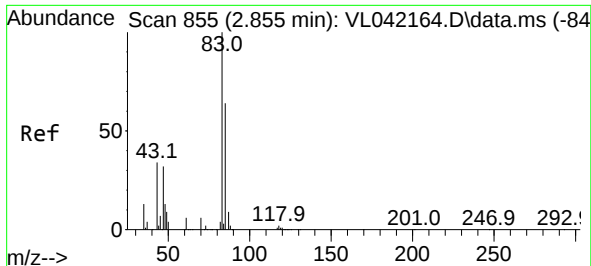
Tgt Ion: 76 Resp: 22696
Ion Ratio Lower Upper
76 100
44 34.5 17.0 25.4#
78 13.1 9.0 13.6



#28
Methyl tert-Butyl Ether
Concen: 0.880 ppbv
RT: 2.447 min Scan# 729
Delta R.T. 0.000 min
Lab File: VL042166.D
Acq: 25 Mar 2025 10:00

Tgt Ion: 73 Resp: 11594
Ion Ratio Lower Upper
73 100
57 23.5 18.6 28.0





#29

Chloroform

Concen: 0.940 ppbv

RT: 2.852 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL042166.D

Acq: 25 Mar 2025 10:00

Instrument :

MSVOA_L

ClientSampleId :

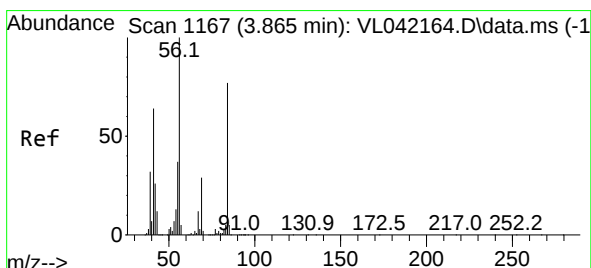
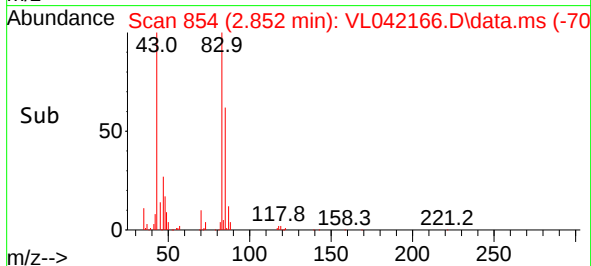
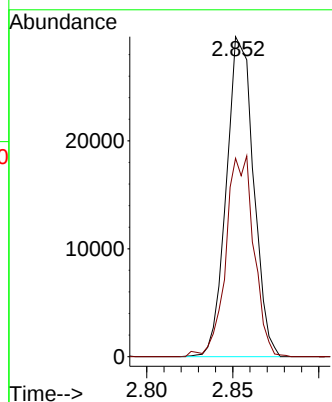
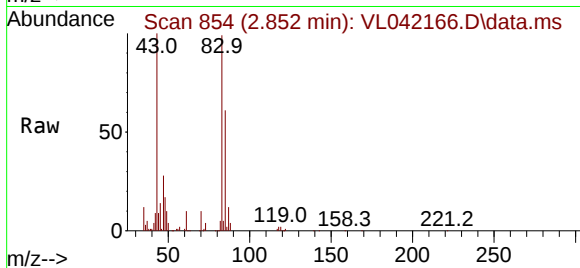
VSTDIC001

Tgt Ion: 83 Resp: 32652

Ion Ratio Lower Upper

83 100

85 62.0 51.4 77.0



#30

Cyclohexane

Concen: 0.639 ppbv

RT: 3.865 min Scan# 1167

Delta R.T. 0.000 min

Lab File: VL042166.D

Acq: 25 Mar 2025 10:00

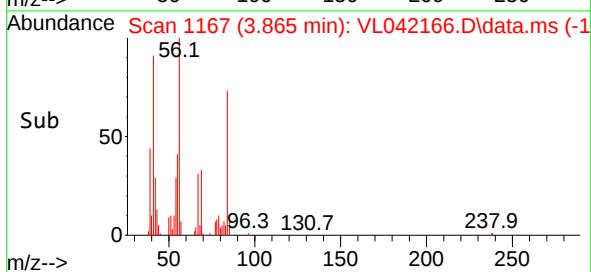
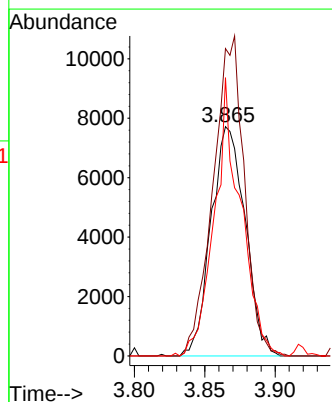
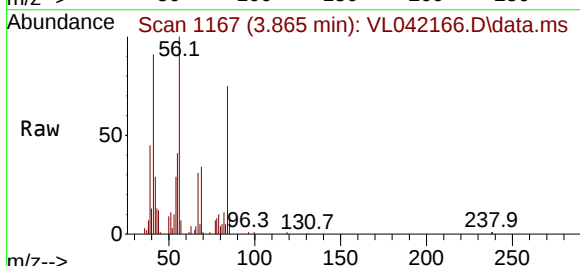
Tgt Ion: 84 Resp: 13017

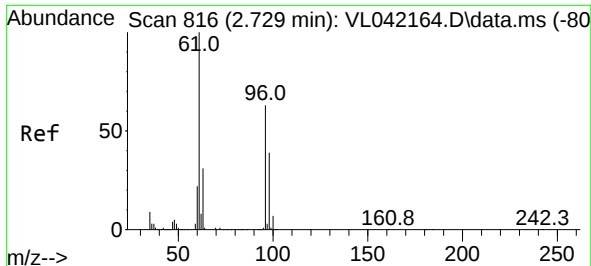
Ion Ratio Lower Upper

84 100

56 127.6 107.0 160.6

41 93.8 69.9 104.9

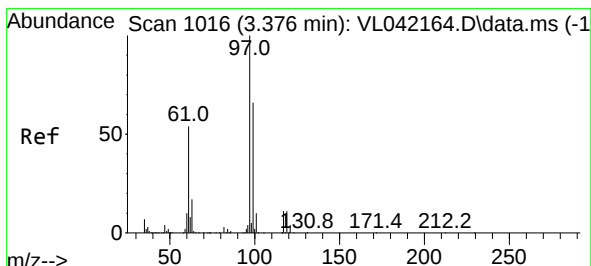
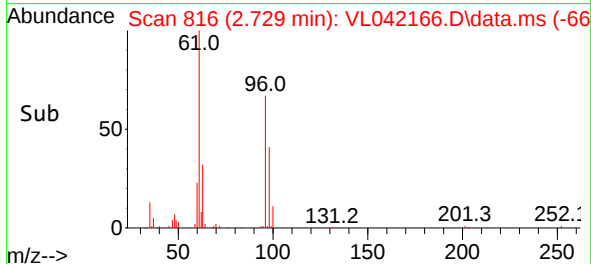
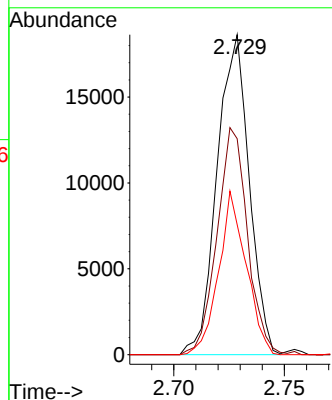
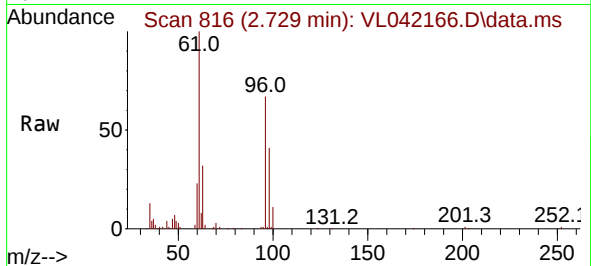




#31
 cis-1,2-Dichloroethene
 Concen: 0.791 ppbv
 RT: 2.729 min Scan# 816
 Delta R.T. 0.000 min
 Lab File: VL042166.D
 Acq: 25 Mar 2025 10:00

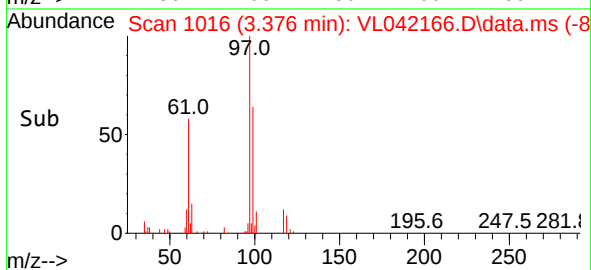
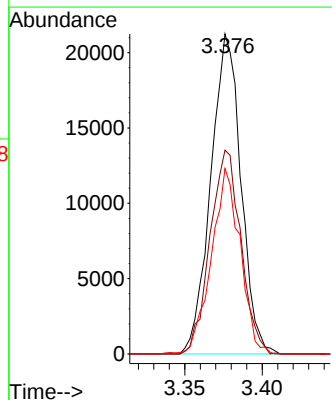
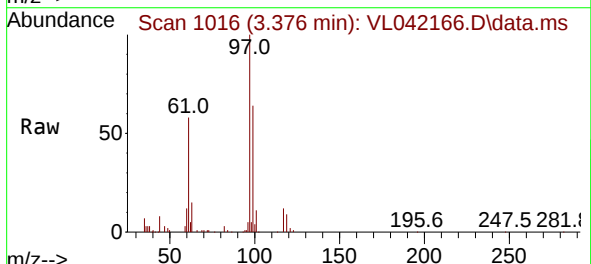
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

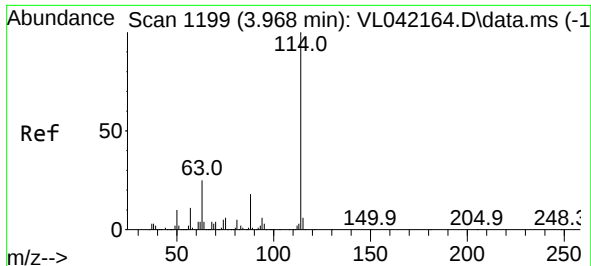
Tgt Ion: 61 Resp: 18803
 Ion Ratio Lower Upper
 61 100
 96 67.5 50.7 76.1
 98 40.7 31.4 47.0



#32
 1,1,1-Trichloroethane
 Concen: 0.868 ppbv
 RT: 3.376 min Scan# 1016
 Delta R.T. 0.000 min
 Lab File: VL042166.D
 Acq: 25 Mar 2025 10:00

Tgt Ion: 97 Resp: 28739
 Ion Ratio Lower Upper
 97 100
 99 64.9 50.6 75.8
 61 55.2 42.1 63.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VL042166.D

Acq: 25 Mar 2025 10:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

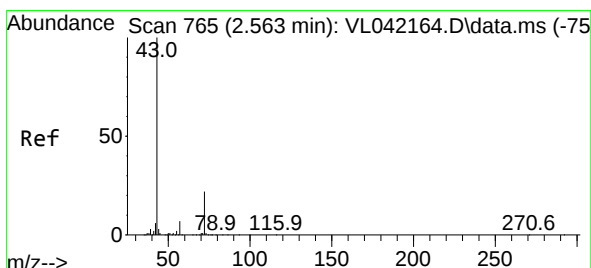
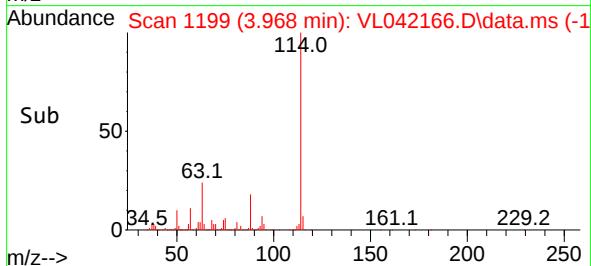
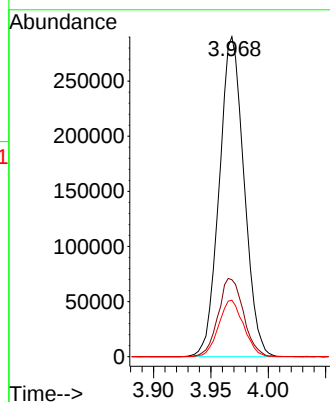
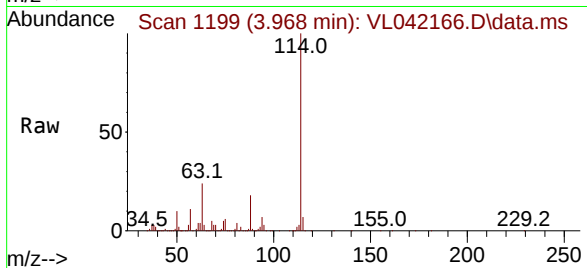
Tgt Ion:114 Resp: 436654

Ion Ratio Lower Upper

114 100

63 25.0 20.1 30.1

88 17.7 14.2 21.2



#34

2-Butanone

Concen: 0.946 ppbv

RT: 2.567 min Scan# 766

Delta R.T. 0.003 min

Lab File: VL042166.D

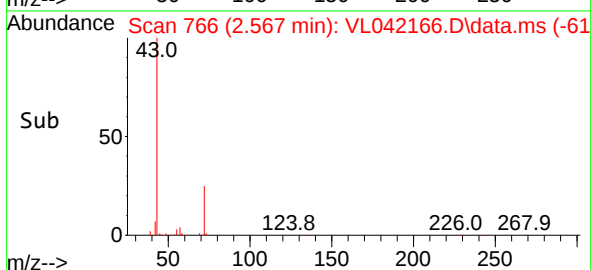
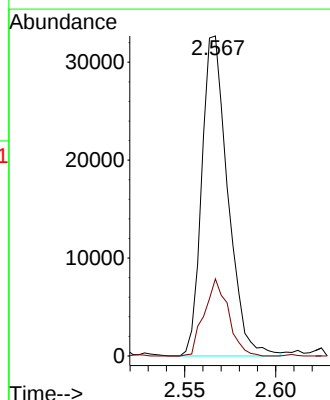
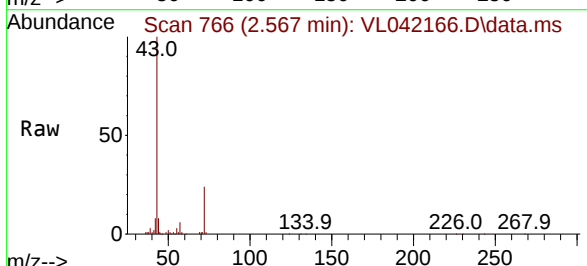
Acq: 25 Mar 2025 10:00

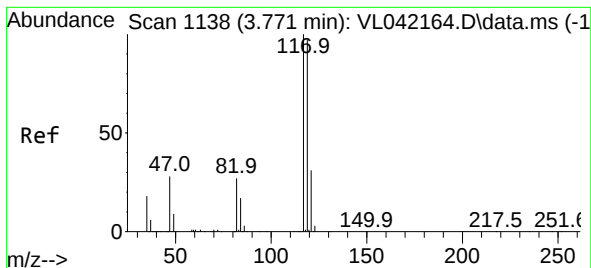
Tgt Ion: 43 Resp: 32544

Ion Ratio Lower Upper

43 100

72 22.5 17.2 25.8





#35

Carbon Tetrachloride

Concen: 0.968 ppbv

RT: 3.771 min Scan# 1138

Delta R.T. 0.000 min

Lab File: VL042166.D

Acq: 25 Mar 2025 10:00

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

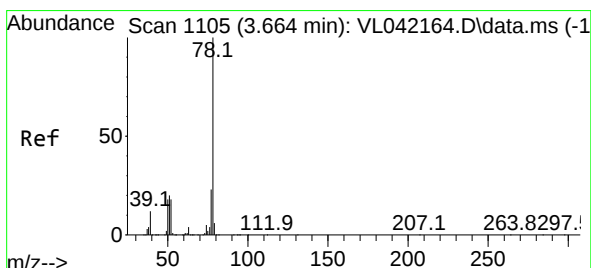
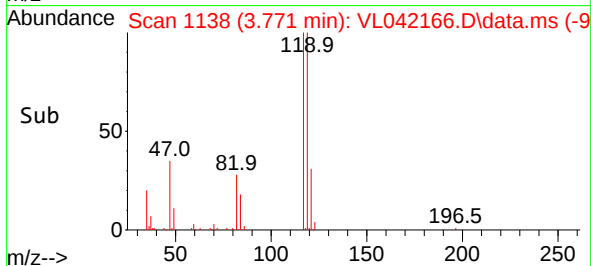
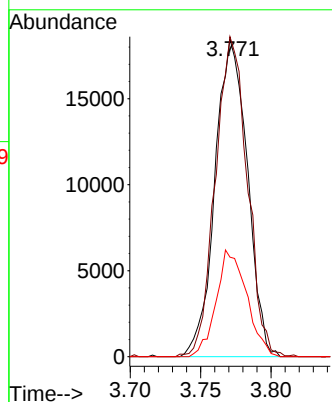
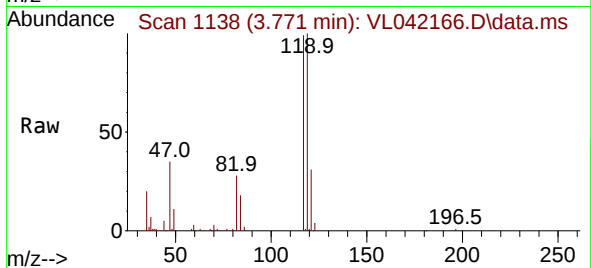
Tgt Ion:117 Resp: 29498

Ion Ratio Lower Upper

117 100

119 99.9 77.5 116.3

121 31.3 24.5 36.7



#36

Benzene

Concen: 0.884 ppbv

RT: 3.664 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VL042166.D

Acq: 25 Mar 2025 10:00

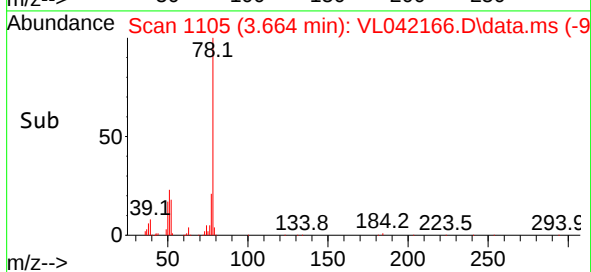
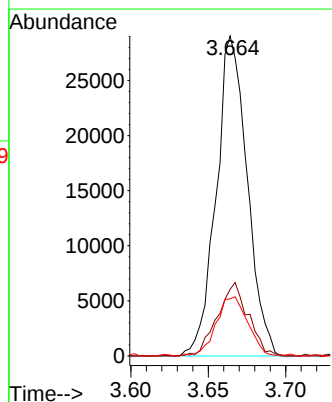
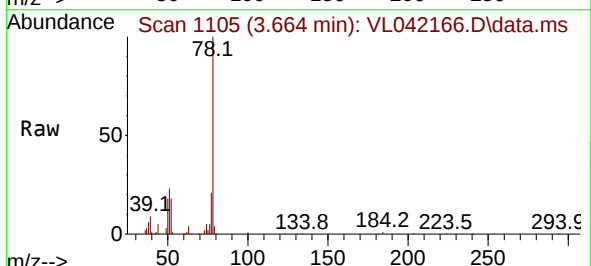
Tgt Ion: 78 Resp: 40476

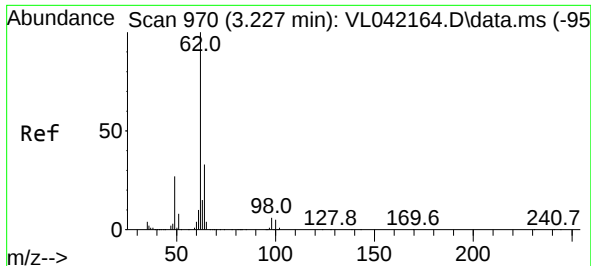
Ion Ratio Lower Upper

78 100

77 20.6 18.4 27.6

50 17.9 14.2 21.4





#37

1,2-Dichloroethane

Concen: 0.965 ppbv

RT: 3.227 min Scan# 91

Delta R.T. 0.000 min

Lab File: VL042166.D

Acq: 25 Mar 2025 10:00

Instrument :

MSVOA_L

ClientSampleId :

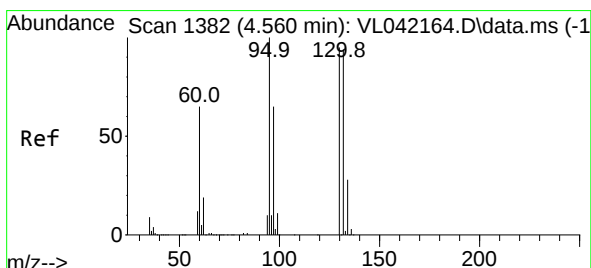
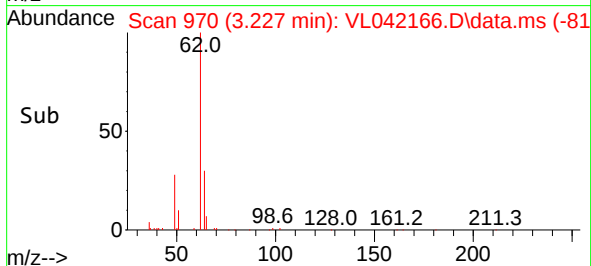
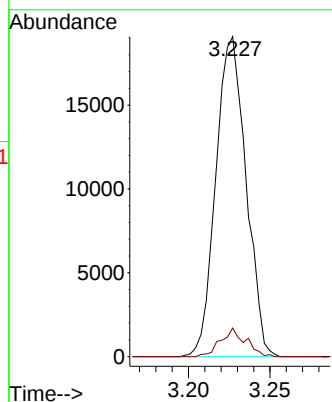
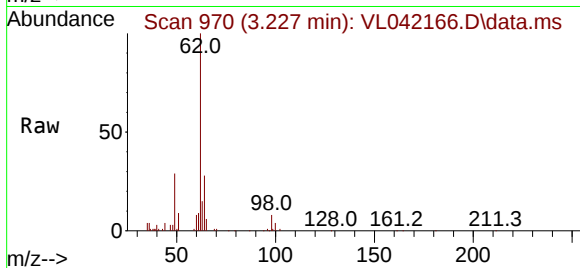
VSTDIC001

Tgt Ion: 62 Resp: 24591

Ion Ratio Lower Upper

62 100

98 7.4 5.4 8.0



#38

Trichloroethene

Concen: 0.806 ppbv

RT: 4.564 min Scan# 1383

Delta R.T. 0.003 min

Lab File: VL042166.D

Acq: 25 Mar 2025 10:00

Tgt Ion:130 Resp: 15060

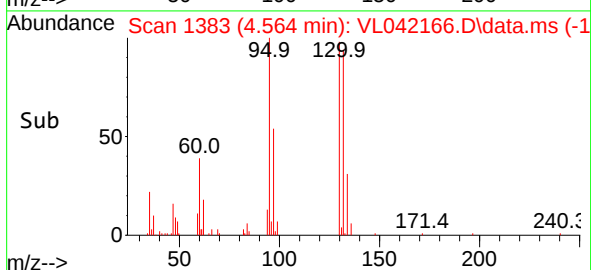
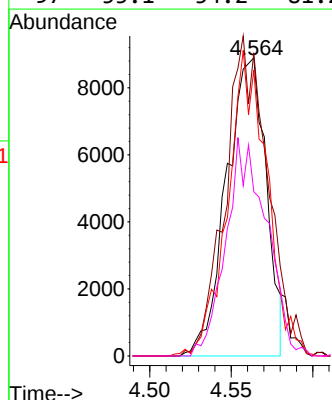
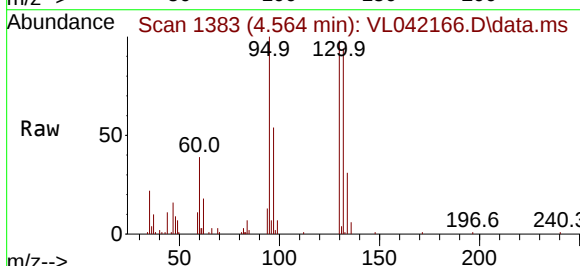
Ion Ratio Lower Upper

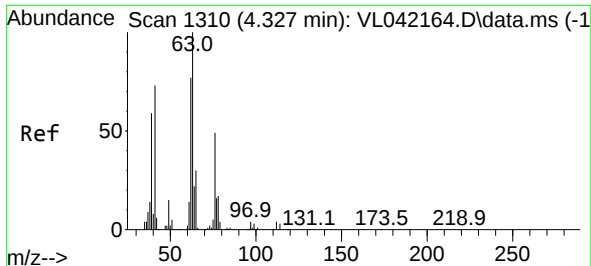
130 100

95 101.7 84.1 126.1

132 96.4 79.0 118.6

97 55.1 54.2 81.2





#39

1,2-Dichloropropane

Concen: 0.892 ppbv

RT: 4.324 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL042166.D

Acq: 25 Mar 2025 10:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

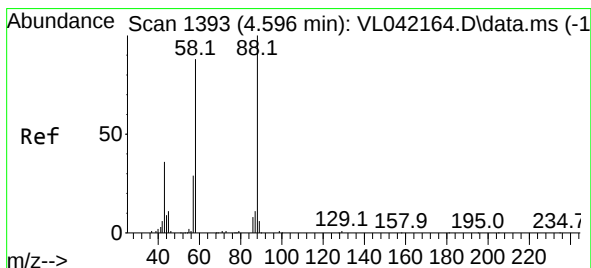
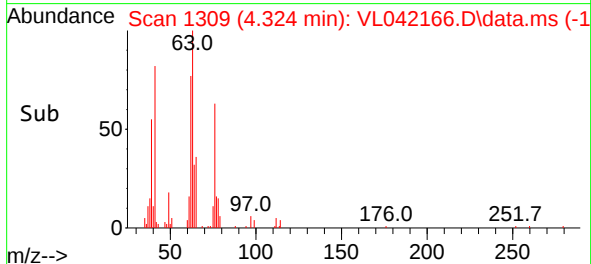
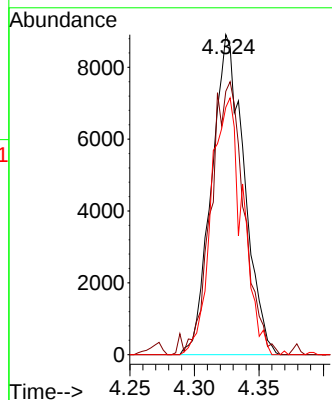
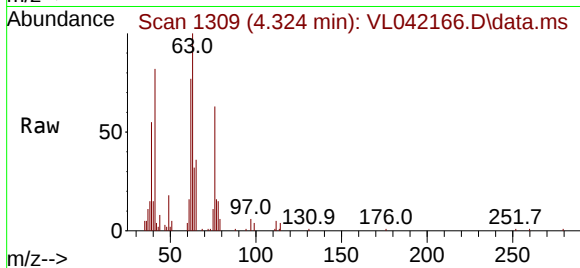
Tgt Ion: 63 Resp: 15610

Ion Ratio Lower Upper

63 100

41 82.3 58.8 88.2

62 77.3 61.3 91.9



#40

1,4-Dioxane

Concen: 0.412 ppbv

RT: 4.609 min Scan# 1397

Delta R.T. 0.013 min

Lab File: VL042166.D

Acq: 25 Mar 2025 10:00

Tgt Ion: 88 Resp: 3260

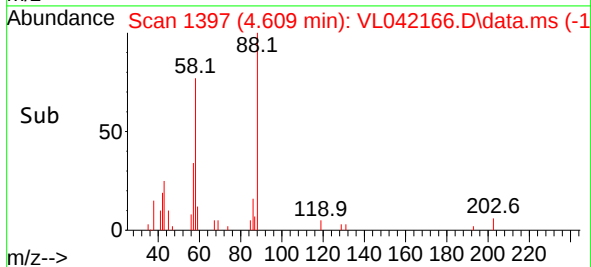
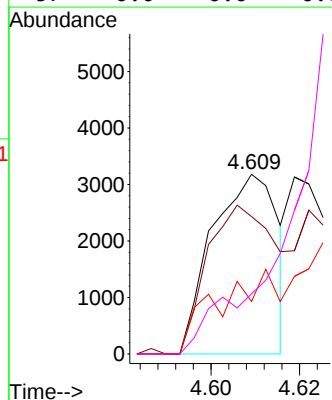
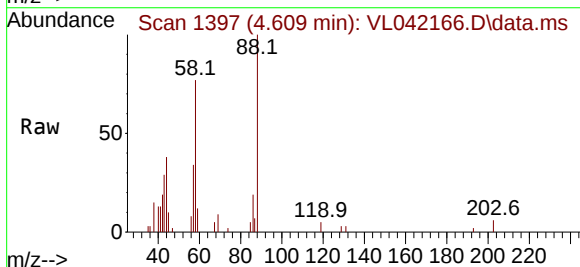
Ion Ratio Lower Upper

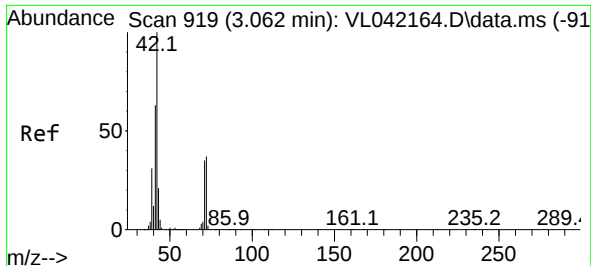
88 100

58 244.4 68.0 102.0#

43 0.0 25.3 37.9#

57 0.0 0.0 0.0

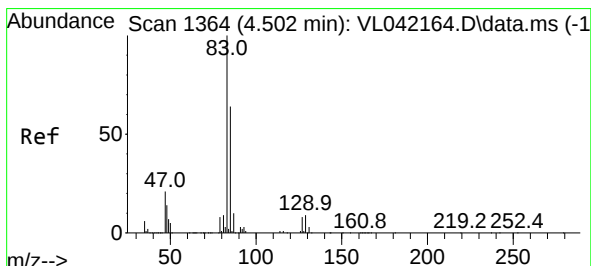
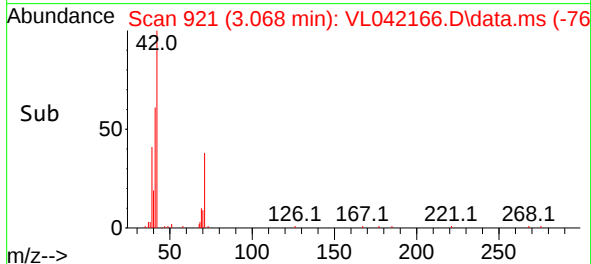
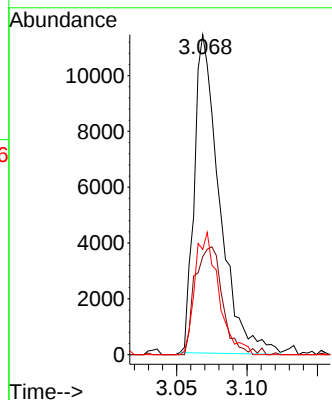
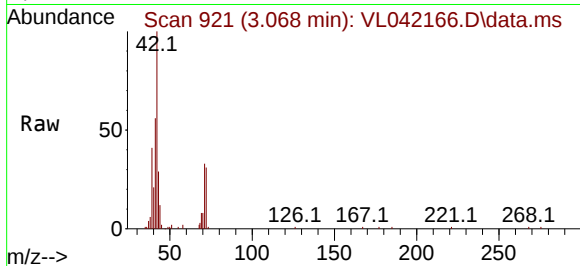




#41
Tetrahydrofuran
Concen: 0.711 ppbv
RT: 3.068 min Scan# 919
Delta R.T. 0.007 min
Lab File: VL042166.D
Acq: 25 Mar 2025 10:00

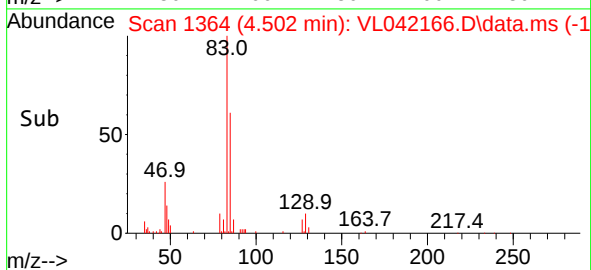
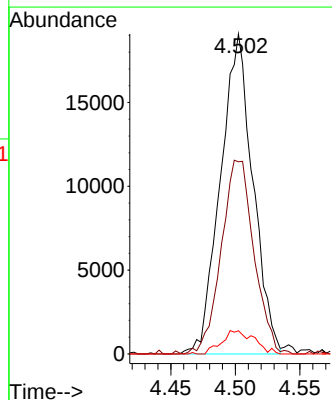
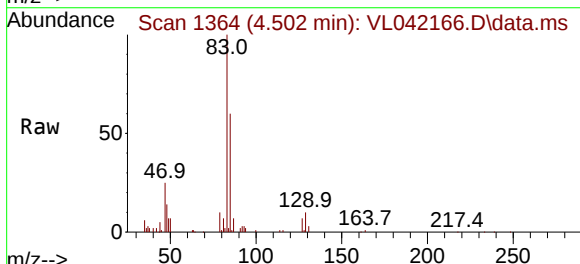
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

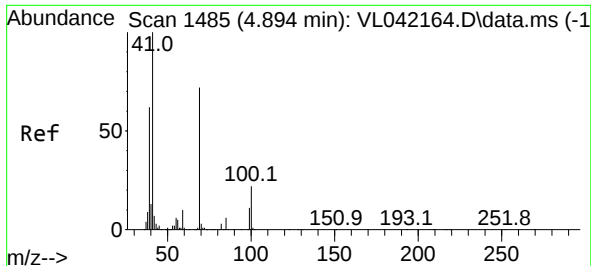
Tgt Ion: 42 Resp: 14238
Ion Ratio Lower Upper
42 100
72 37.2 29.4 44.2
71 36.0 27.8 41.6



#42
Bromodichloromethane
Concen: 0.970 ppbv
RT: 4.502 min Scan# 1364
Delta R.T. 0.000 min
Lab File: VL042166.D
Acq: 25 Mar 2025 10:00

Tgt Ion: 83 Resp: 33374
Ion Ratio Lower Upper
83 100
85 59.8 51.0 76.4
127 7.3 6.6 9.8

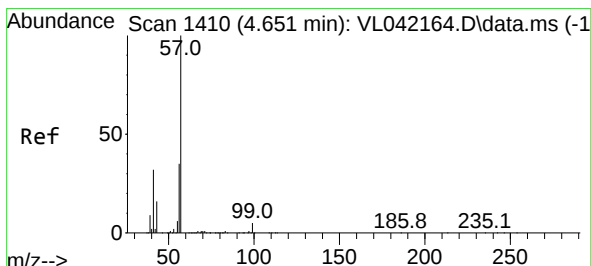
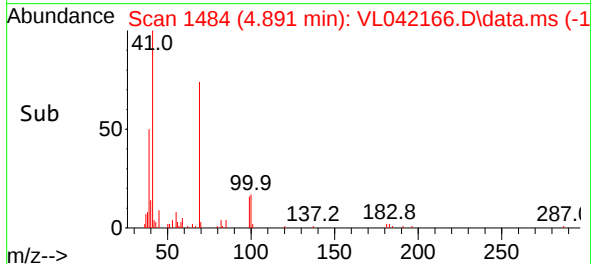
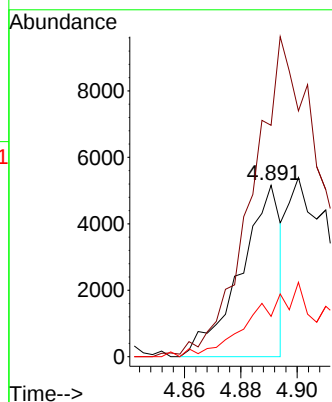
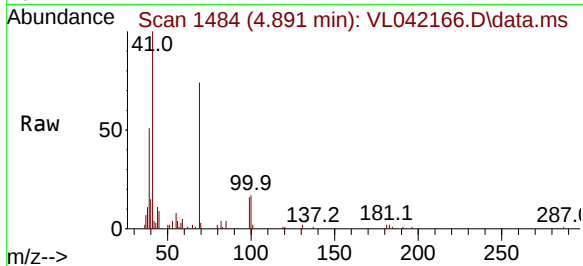




#43
Methyl Methacrylate
Concen: 0.291 ppbv
RT: 4.891 min Scan# 1484
Delta R.T. -0.003 min
Lab File: VL042166.D
Acq: 25 Mar 2025 10:00

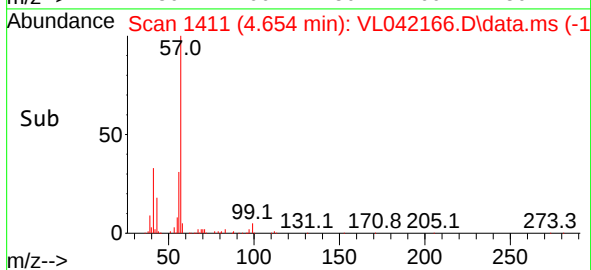
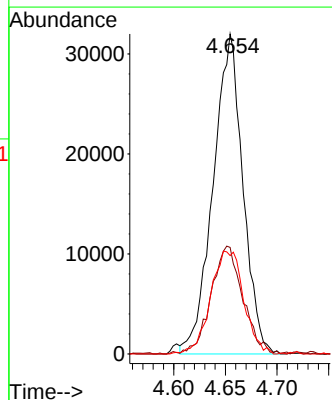
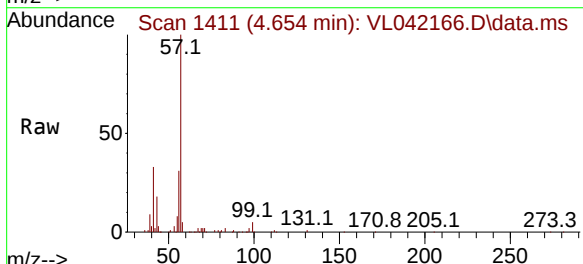
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

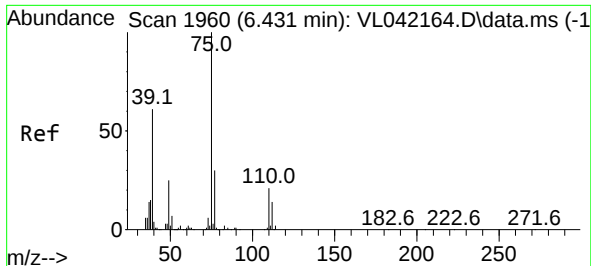
Tgt Ion: 69 Resp: 5105
Ion Ratio Lower Upper
69 100
41 339.7 120.6 180.8#
100 0.0 26.2 39.2#



#44
2,2,4-Trimethylpentane
Concen: 0.787 ppbv
RT: 4.654 min Scan# 1411
Delta R.T. 0.003 min
Lab File: VL042166.D
Acq: 25 Mar 2025 10:00

Tgt Ion: 57 Resp: 64335
Ion Ratio Lower Upper
57 100
41 36.0 25.8 38.8
56 35.9 27.4 41.0





#45

t-1,3-Dichloropropene

Concen: 0.407 ppbv

RT: 6.431 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VL042166.D

Acq: 25 Mar 2025 10:00

Instrument :

MSVOA_L

ClientSampleId :

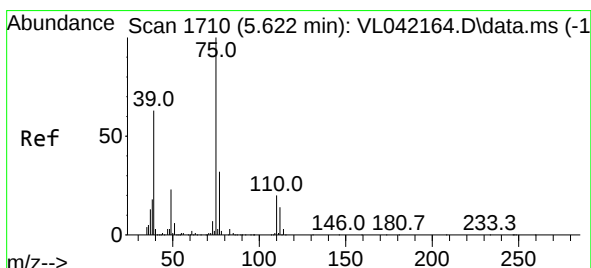
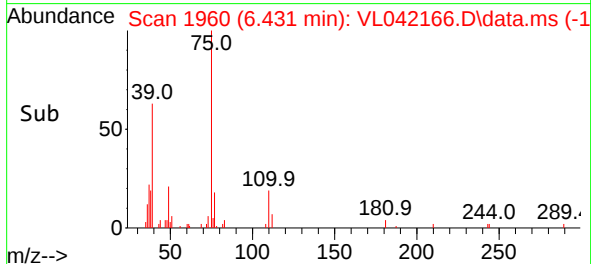
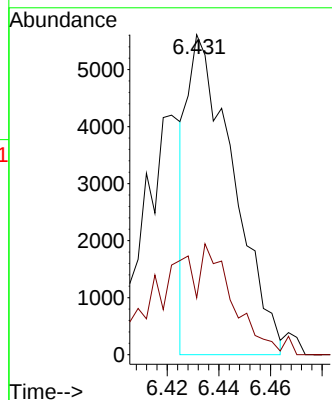
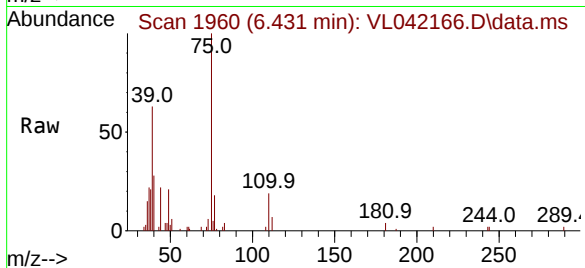
VSTDICC001

Tgt Ion: 75 Resp: 6920

Ion Ratio Lower Upper

75 100

77 17.7 24.0 36.0#



#46

cis-1,3-Dichloropropene

Concen: 0.256 ppbv

RT: 5.625 min Scan# 1711

Delta R.T. 0.003 min

Lab File: VL042166.D

Acq: 25 Mar 2025 10:00

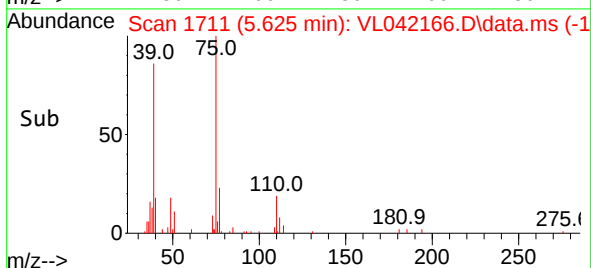
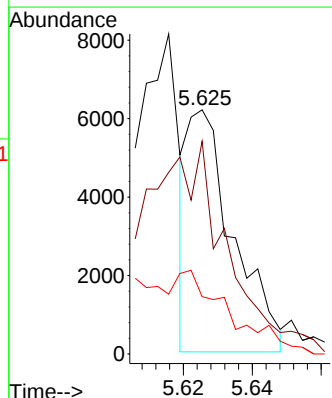
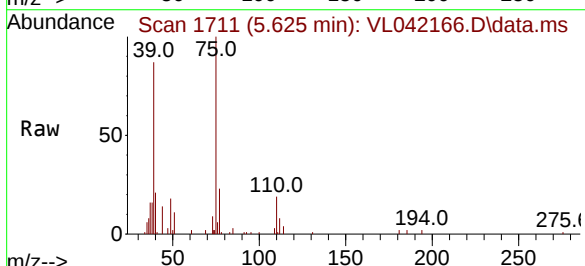
Tgt Ion: 75 Resp: 5681

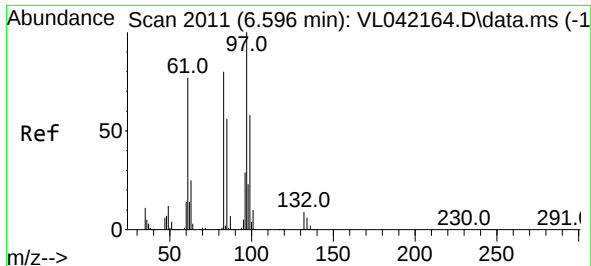
Ion Ratio Lower Upper

75 100

39 87.0 50.4 75.6#

77 20.2 25.8 38.8#

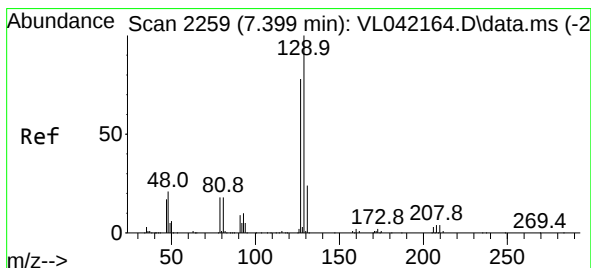
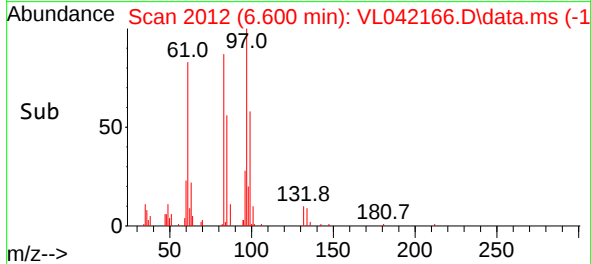
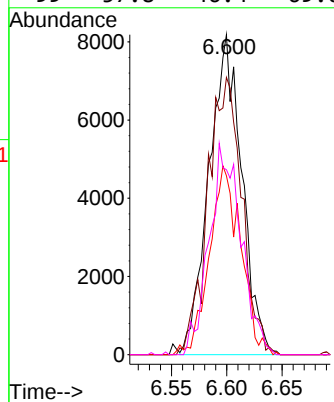
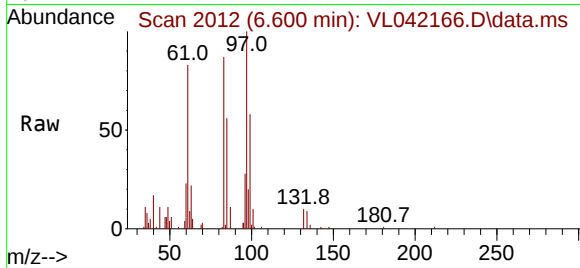




#47
1,1,2-Trichloroethane
Concen: 0.943 ppbv
RT: 6.600 min Scan# 2011
Delta R.T. 0.003 min
Lab File: VL042166.D
Acq: 25 Mar 2025 10:00

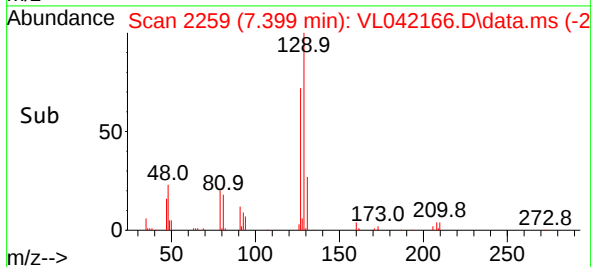
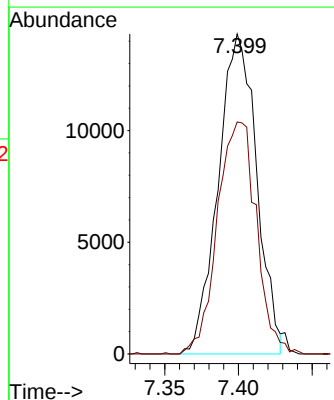
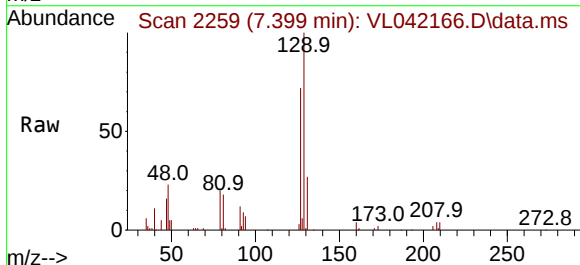
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

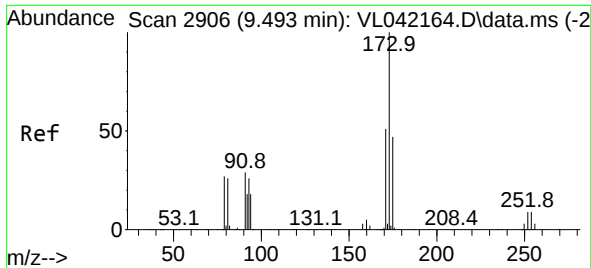
Tgt Ion: 97	Resp:	16906
Ion	Ratio	Lower Upper
97	100	
83	86.6	64.2 96.4
85	55.9	44.5 66.7
99	57.8	46.4 69.6



#48
Dibromochloromethane
Concen: 0.936 ppbv
RT: 7.399 min Scan# 2259
Delta R.T. 0.000 min
Lab File: VL042166.D
Acq: 25 Mar 2025 10:00

Tgt Ion: 129	Resp:	25968
Ion	Ratio	Lower Upper
129	100	
127	73.4	38.7 116.1





#49

Bromoform

Concen: 0.870 ppbv

RT: 9.490 min Scan# 2906

Delta R.T. -0.003 min

Lab File: VL042166.D

Acq: 25 Mar 2025 10:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

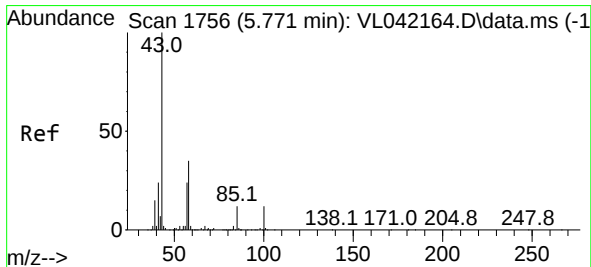
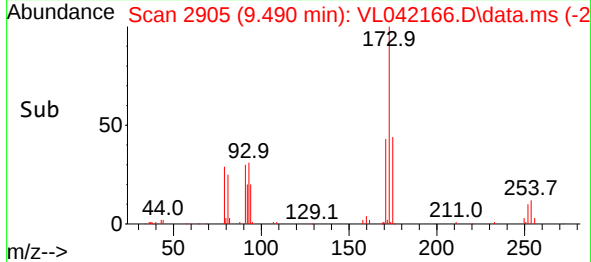
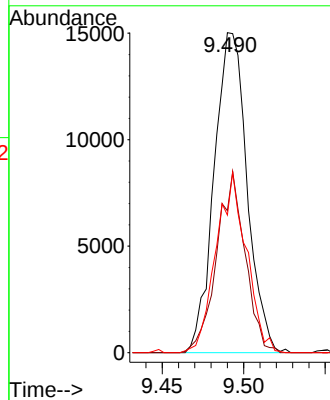
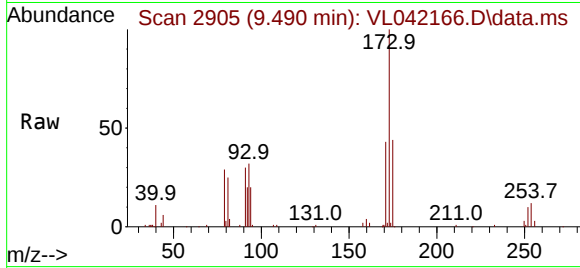
Tgt Ion:173 Resp: 21094

Ion Ratio Lower Upper

173 100

175 48.8 38.5 57.7

171 51.9 41.1 61.7



#50

4-Methyl-2-Pentanone

Concen: 0.245 ppbv

RT: 5.771 min Scan# 1756

Delta R.T. 0.000 min

Lab File: VL042166.D

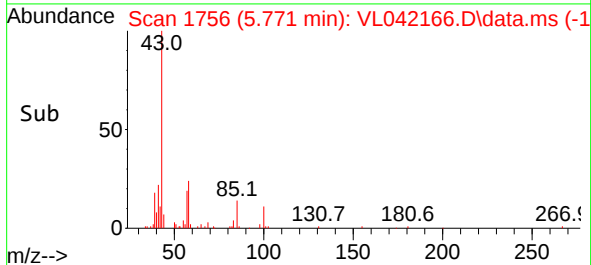
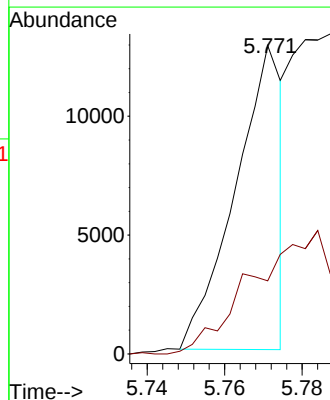
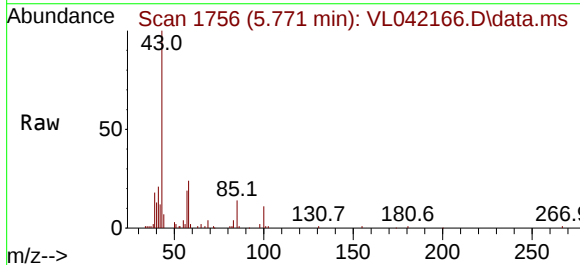
Acq: 25 Mar 2025 10:00

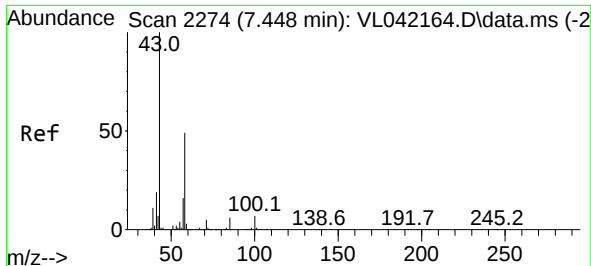
Tgt Ion: 43 Resp: 10807

Ion Ratio Lower Upper

43 100

58 0.0 27.2 40.8#

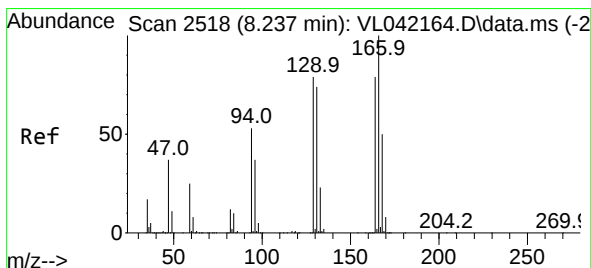
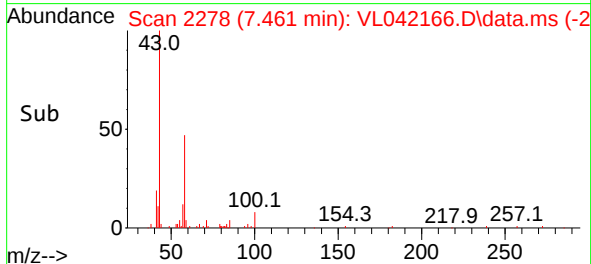
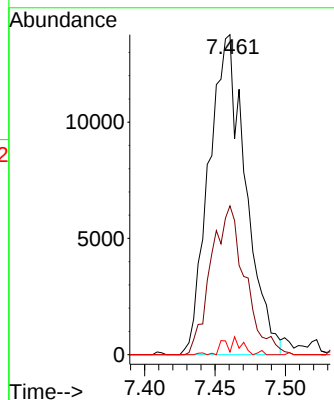
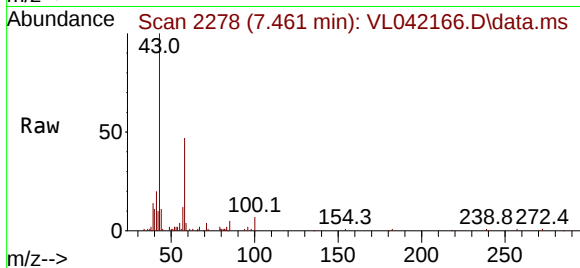




#51
2-Hexanone
Concen: 0.834 ppbv
RT: 7.461 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL042166.D
Acq: 25 Mar 2025 10:00

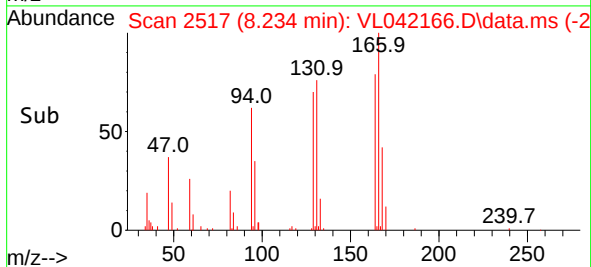
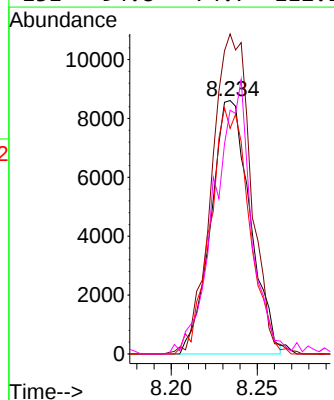
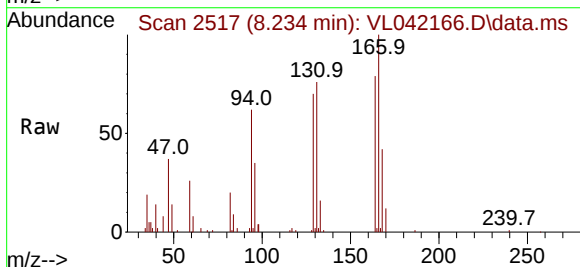
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

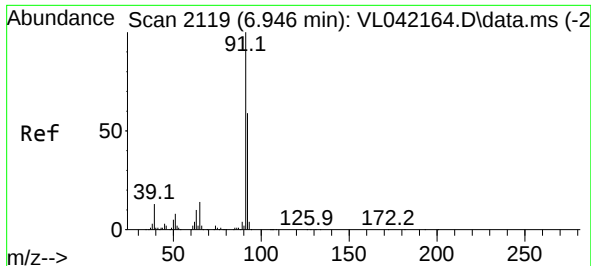
Tgt Ion: 43 Resp: 25047
Ion Ratio Lower Upper
43 100
58 43.2 37.9 56.9
98 2.8 0.9 1.3#



#52
Tetrachloroethene
Concen: 0.872 ppbv
RT: 8.234 min Scan# 2517
Delta R.T. -0.003 min
Lab File: VL042166.D
Acq: 25 Mar 2025 10:00

Tgt Ion: 164 Resp: 13624
Ion Ratio Lower Upper
164 100
166 123.5 101.3 151.9
129 87.4 79.6 119.4
131 94.8 74.7 112.1

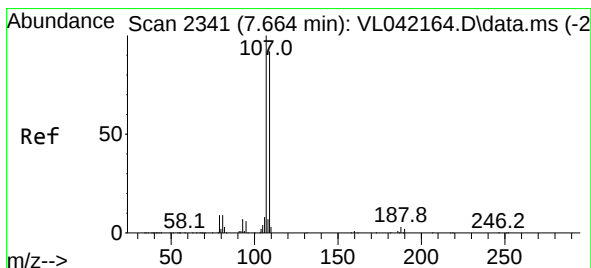
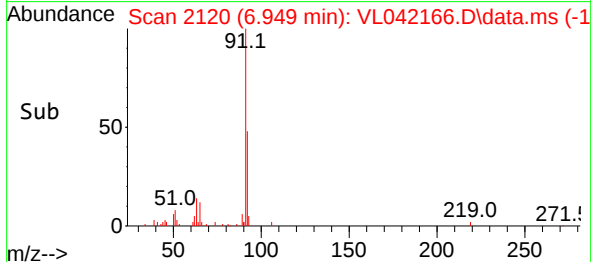
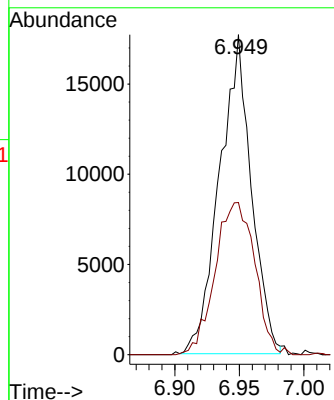
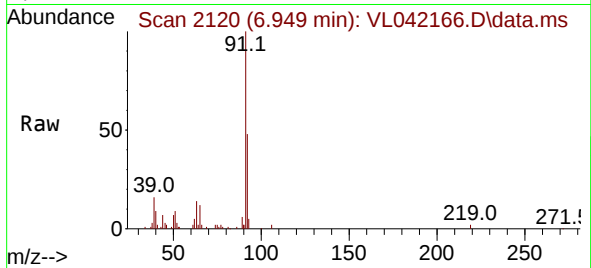




#53
Toluene
Concen: 0.599 ppbv
RT: 6.949 min Scan# 2119
Delta R.T. 0.003 min
Lab File: VL042166.D
Acq: 25 Mar 2025 10:00

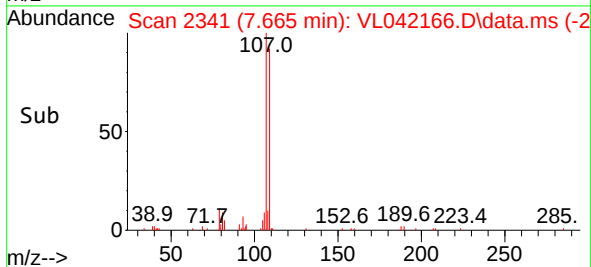
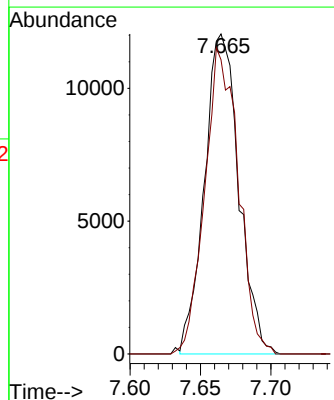
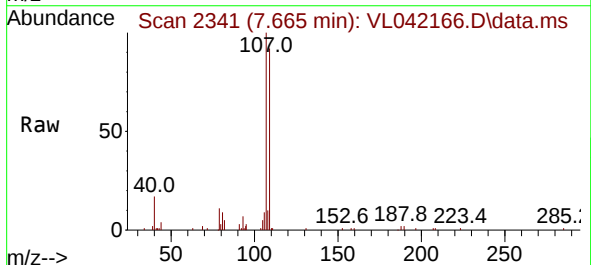
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

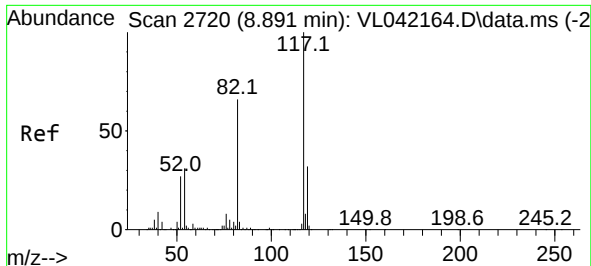
Tgt Ion: 91 Resp: 30277
Ion Ratio Lower Upper
91 100
92 59.6 49.0 73.4



#54
1,2-Dibromoethane
Concen: 0.862 ppbv
RT: 7.665 min Scan# 2341
Delta R.T. 0.000 min
Lab File: VL042166.D
Acq: 25 Mar 2025 10:00

Tgt Ion: 107 Resp: 20541
Ion Ratio Lower Upper
107 100
109 92.0 73.4 110.0

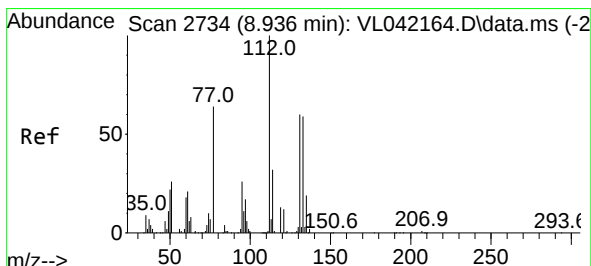
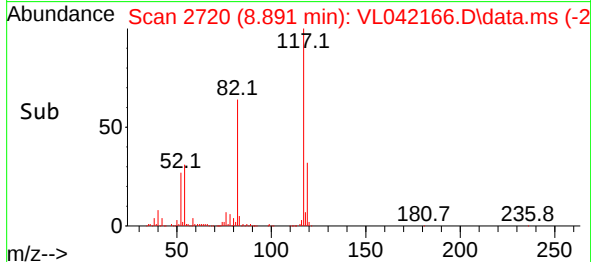
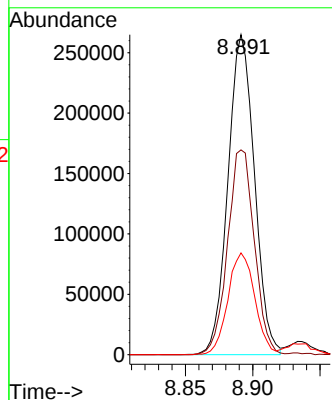
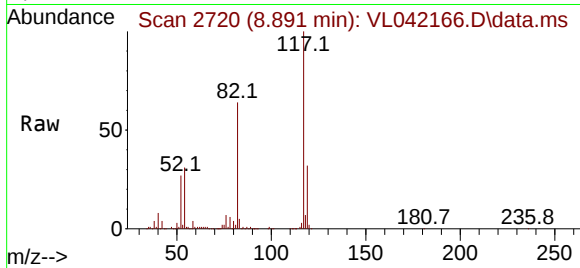




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042166.D
Acq: 25 Mar 2025 10:00

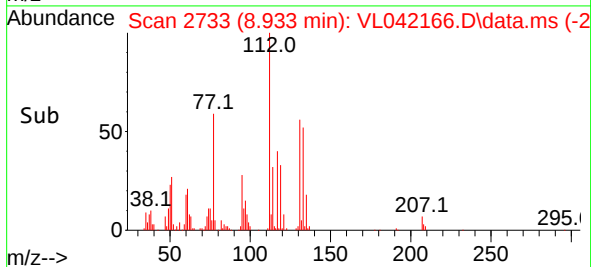
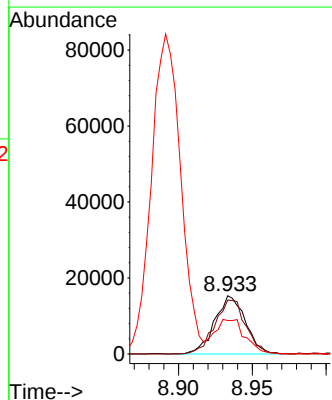
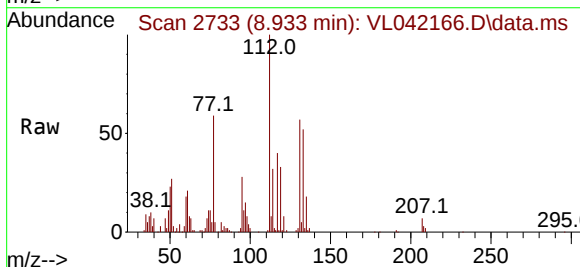
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

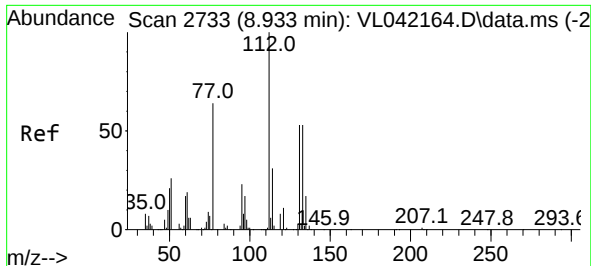
Tgt Ion:117 Resp: 362926
Ion Ratio Lower Upper
117 100
82 64.9 54.2 81.4
119 33.1 25.4 38.2



#56
1,1,1,2-Tetrachloroethane
Concen: 1.051 ppbv
RT: 8.933 min Scan# 2733
Delta R.T. -0.003 min
Lab File: VL042166.D
Acq: 25 Mar 2025 10:00

Tgt Ion:131 Resp: 22183
Ion Ratio Lower Upper
131 100
133 93.6 74.7 112.1
119 49.9 52.5 78.7#

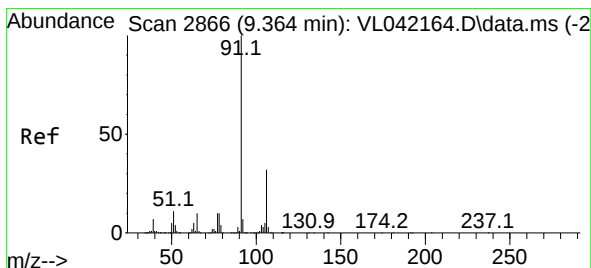
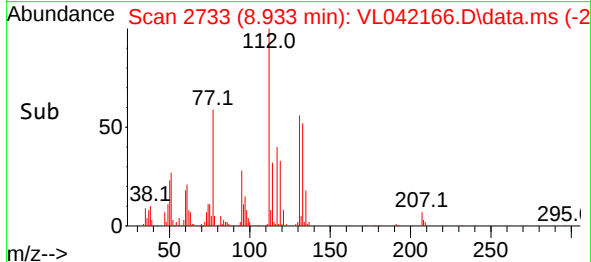
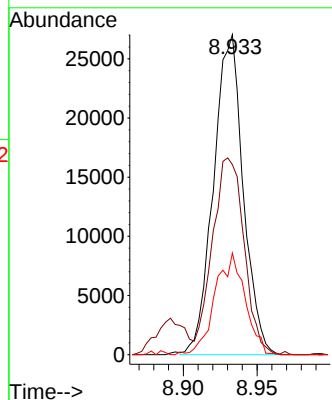
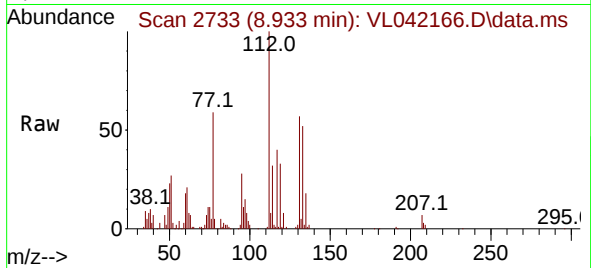




#57
Chlorobenzene
Concen: 0.984 ppbv
RT: 8.933 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042166.D
Acq: 25 Mar 2025 10:00

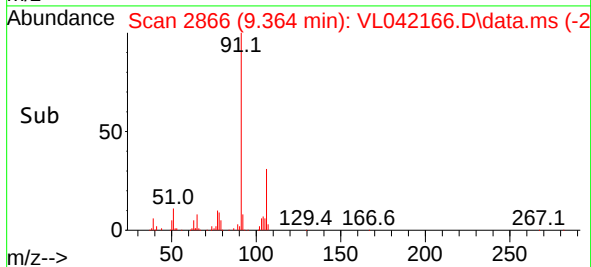
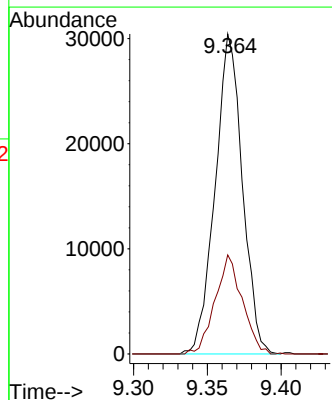
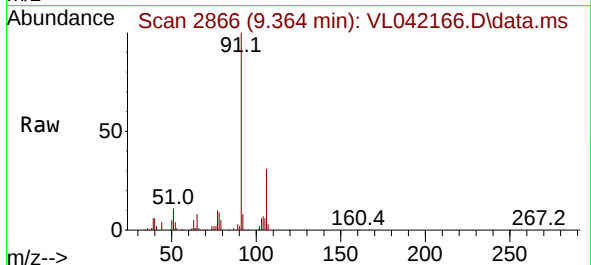
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

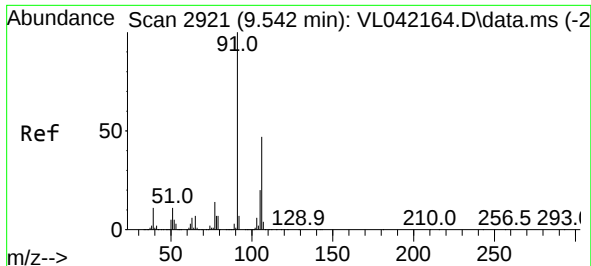
Tgt Ion:112 Resp: 37941
Ion Ratio Lower Upper
112 100
77 59.1 51.7 77.5
114 31.7 28.2 34.4



#58
Ethyl Benzene
Concen: 0.587 ppbv
RT: 9.364 min Scan# 2866
Delta R.T. 0.000 min
Lab File: VL042166.D
Acq: 25 Mar 2025 10:00

Tgt Ion: 91 Resp: 39065
Ion Ratio Lower Upper
91 100
106 31.0 25.4 38.0





#59

m/p-Xylene

Concen: 0.572 ppbv

RT: 9.545 min Scan# 2921

Delta R.T. 0.003 min

Lab File: VL042166.D

Acq: 25 Mar 2025 10:00

Instrument :

MSVOA_L

ClientSampleId :

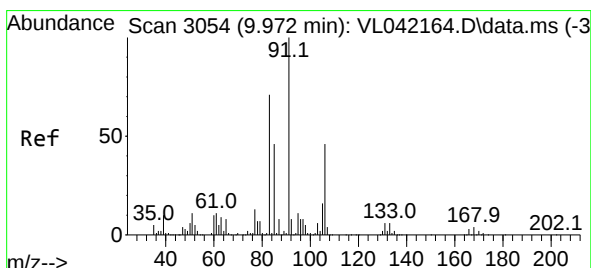
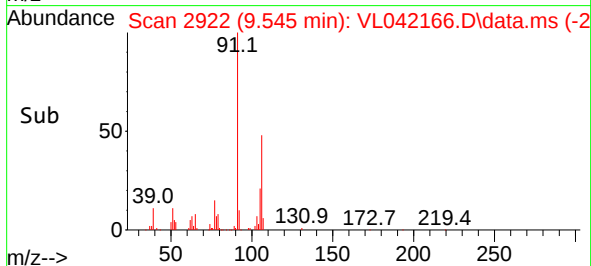
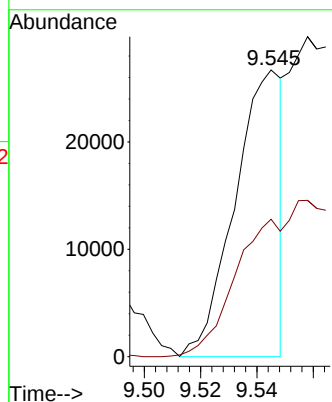
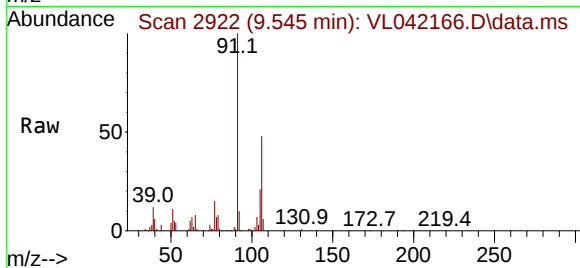
VSTDIC001

Tgt Ion: 91 Resp: 30902

Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0



#60

o-Xylene

Concen: 0.656 ppbv

RT: 9.972 min Scan# 3054

Delta R.T. 0.000 min

Lab File: VL042166.D

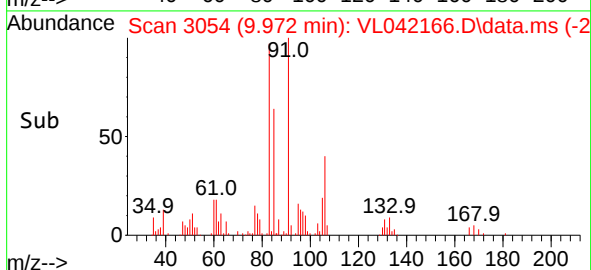
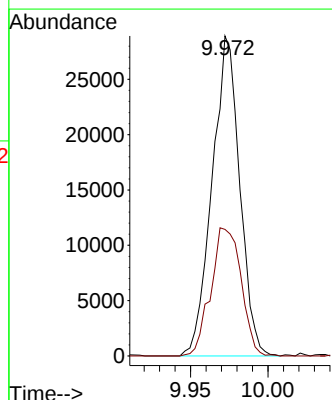
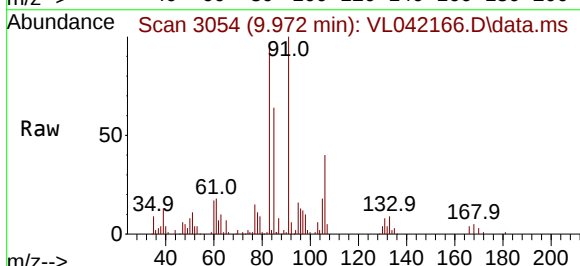
Acq: 25 Mar 2025 10:00

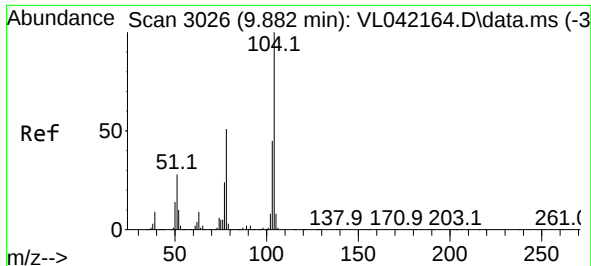
Tgt Ion: 91 Resp: 35807

Ion Ratio Lower Upper

91 100

106 43.9 22.7 68.0

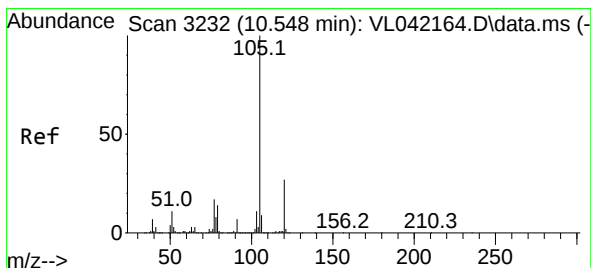
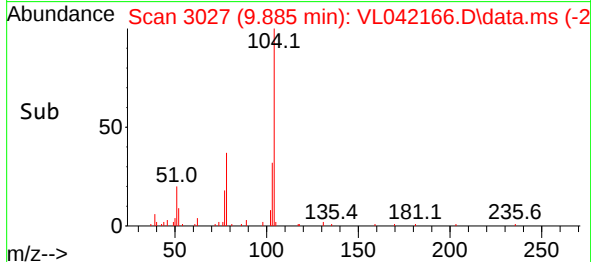
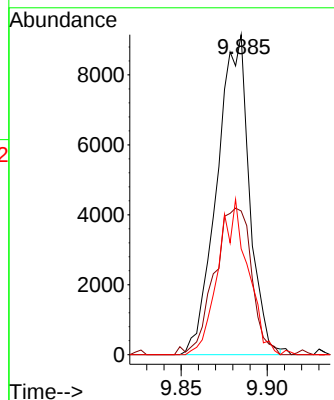
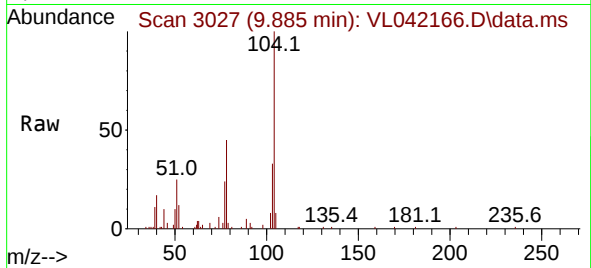




#61
Styrene
Concen: 0.482 ppbv
RT: 9.885 min Scan# 3026
Delta R.T. 0.003 min
Lab File: VL042166.D
Acq: 25 Mar 2025 10:00

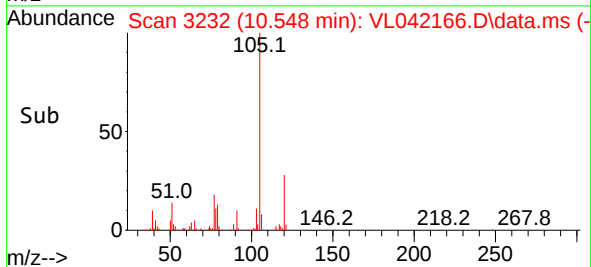
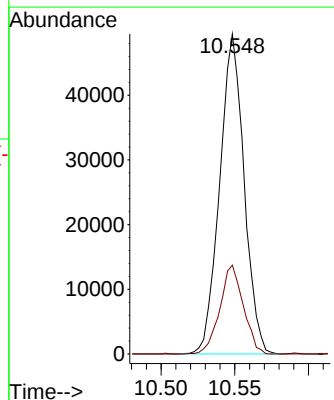
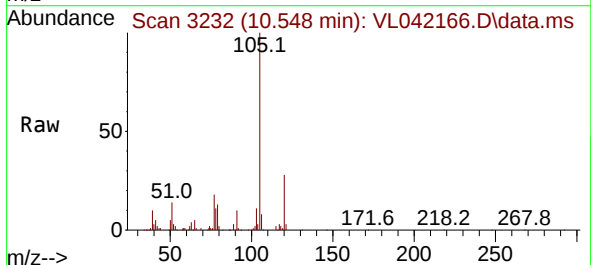
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

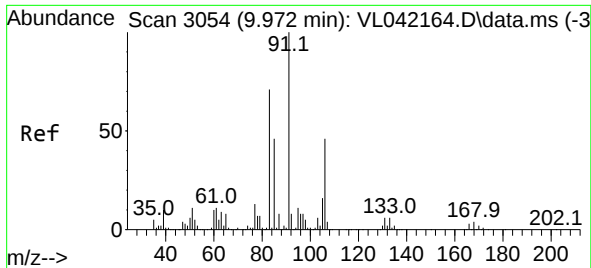
Tgt Ion:104 Resp: 11960
Ion Ratio Lower Upper
104 100
78 53.1 39.7 59.5
103 45.1 37.4 56.2



#62
Isopropylbenzene
Concen: 0.697 ppbv
RT: 10.548 min Scan# 3232
Delta R.T. 0.000 min
Lab File: VL042166.D
Acq: 25 Mar 2025 10:00

Tgt Ion:105 Resp: 56889
Ion Ratio Lower Upper
105 100
120 26.7 21.4 32.0

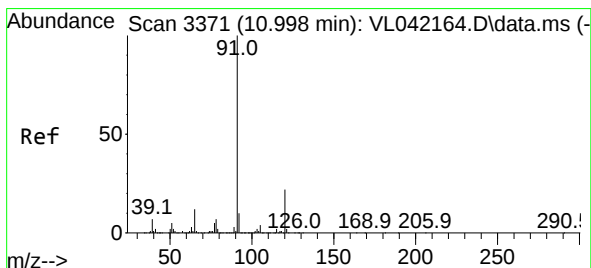
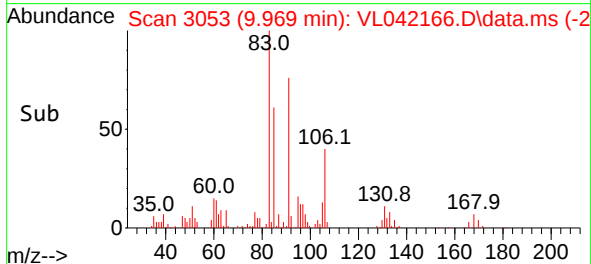
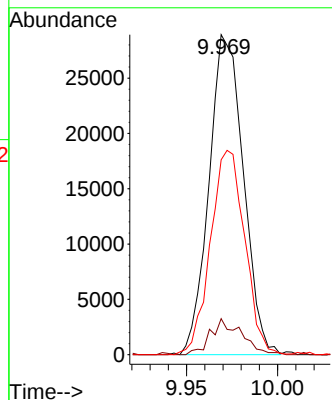
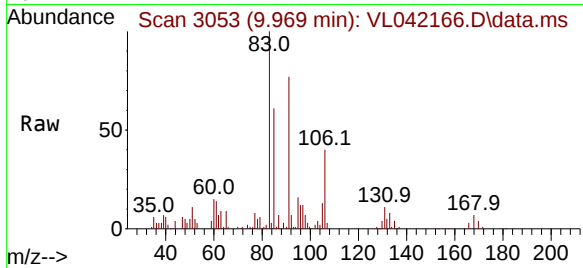




#63
1,1,2,2-Tetrachloroethane
Concen: 1.045 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. -0.003 min
Lab File: VL042166.D
Acq: 25 Mar 2025 10:00

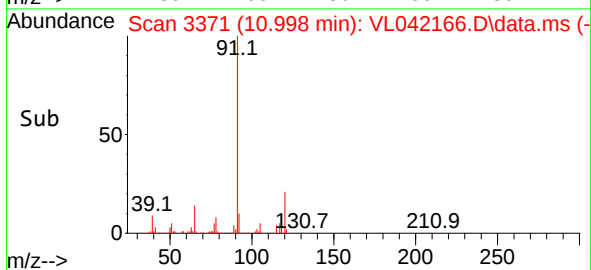
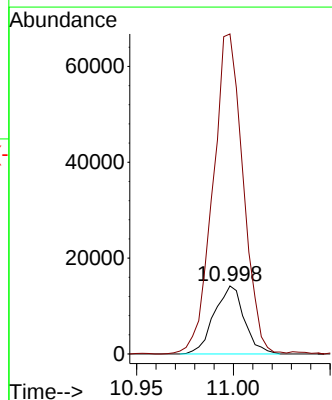
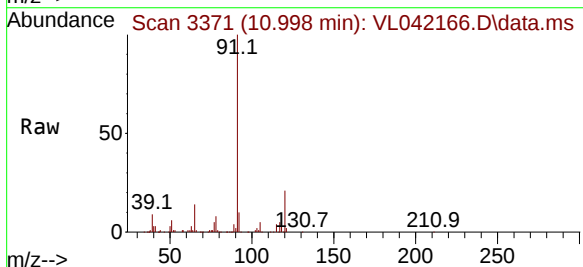
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

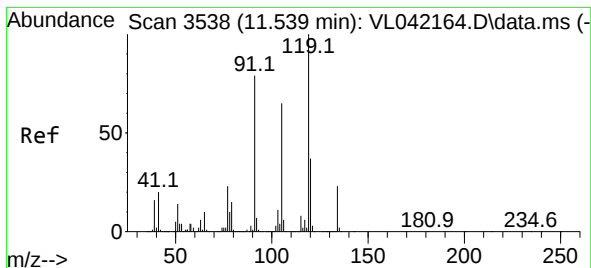
Tgt Ion: 83 Resp: 37917
Ion Ratio Lower Upper
83 100
131 10.4 4.5 13.5
85 64.1 32.3 96.9



#64
n-propylbenzene
Concen: 0.708 ppbv
RT: 10.998 min Scan# 3371
Delta R.T. 0.000 min
Lab File: VL042166.D
Acq: 25 Mar 2025 10:00

Tgt Ion: 120 Resp: 15310
Ion Ratio Lower Upper
120 100
91 477.3 369.8 554.8

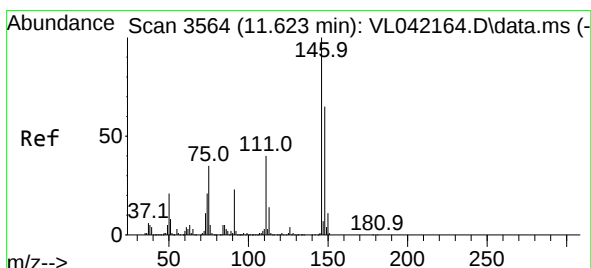
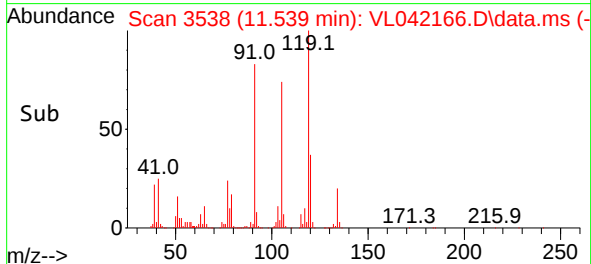
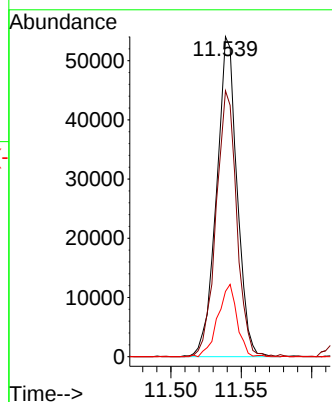
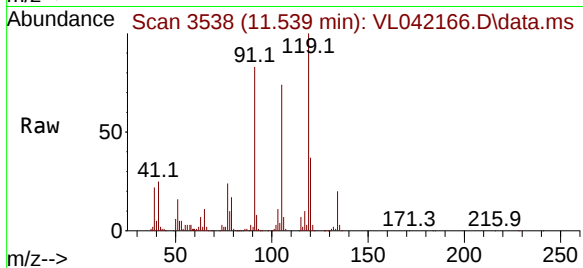




#65
tert-Butylbenzene
Concen: 0.731 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.000 min
Lab File: VL042166.D
Acq: 25 Mar 2025 10:00

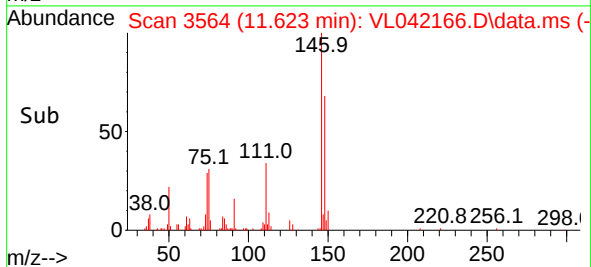
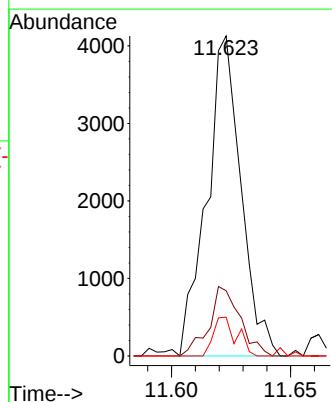
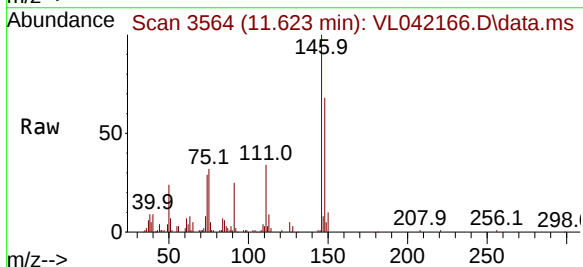
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

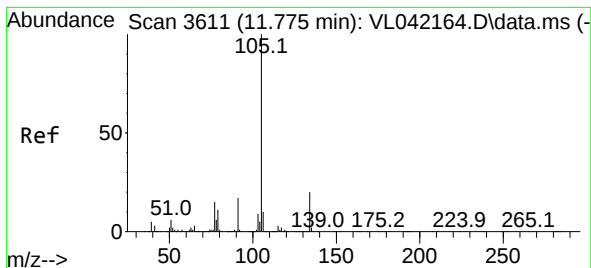
Tgt Ion:119 Resp: 54928
Ion Ratio Lower Upper
119 100
91 83.4 63.5 95.3
134 21.2 17.4 26.2



#66
Benzyl Chloride
Concen: 0.741 ppbv
RT: 11.623 min Scan# 3564
Delta R.T. 0.000 min
Lab File: VL042166.D
Acq: 25 Mar 2025 10:00

Tgt Ion: 91 Resp: 4126
Ion Ratio Lower Upper
91 100
126 19.7 15.0 22.6
128 8.7 4.6 7.0#





#67

sec-Butylbenzene

Concen: 0.776 ppbv

RT: 11.775 min Scan# 3611

Delta R.T. 0.000 min

Lab File: VL042166.D

Acq: 25 Mar 2025 10:00

Instrument :

MSVOA_L

ClientSampleId :

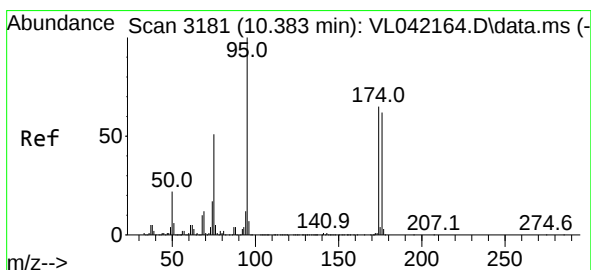
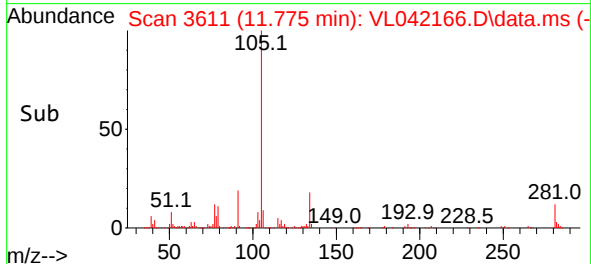
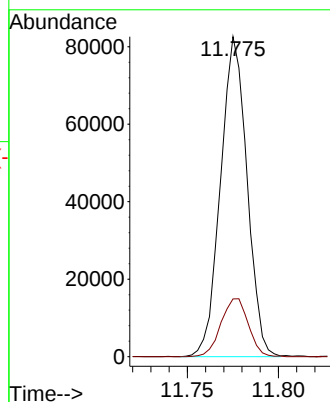
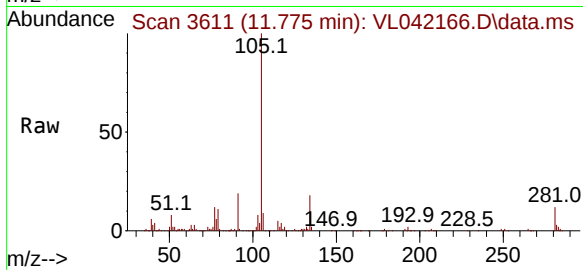
VSTDIC001

Tgt Ion:105 Resp: 83586

Ion Ratio Lower Upper

105 100

134 18.8 15.4 23.2



#68

1-Bromo-4-Fluorobenzene

Concen: 10.369 ppbv

RT: 10.383 min Scan# 3181

Delta R.T. 0.000 min

Lab File: VL042166.D

Acq: 25 Mar 2025 10:00

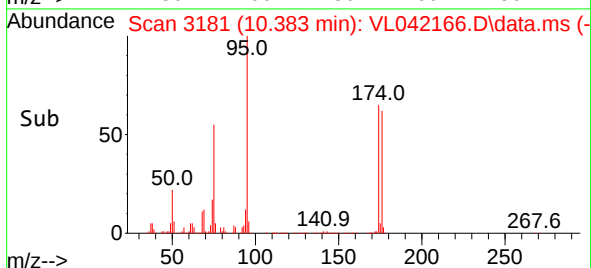
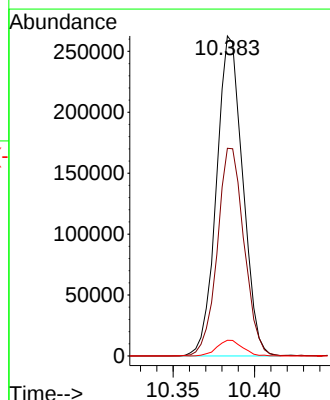
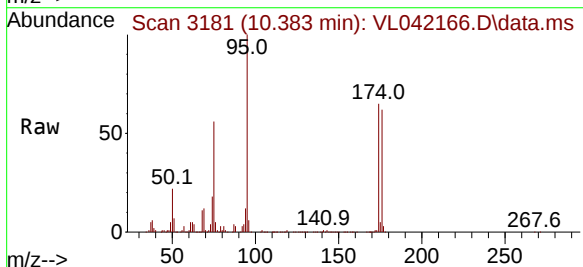
Tgt Ion: 95 Resp: 294076

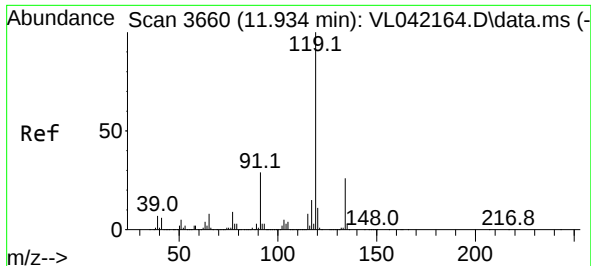
Ion Ratio Lower Upper

95 100

174 66.4 53.5 80.3

175 4.8 3.8 5.8

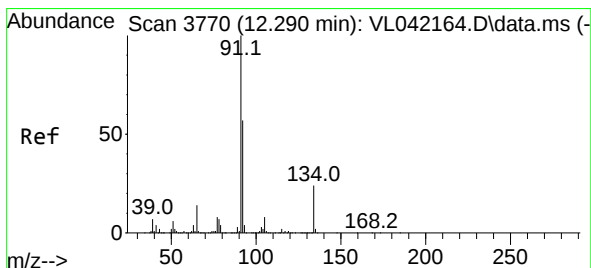
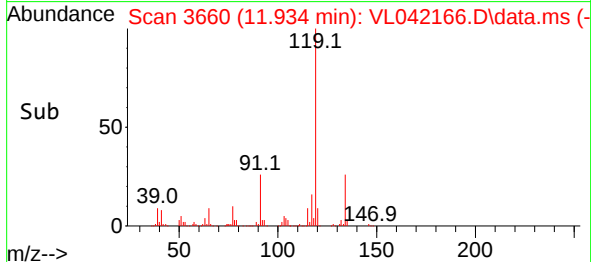
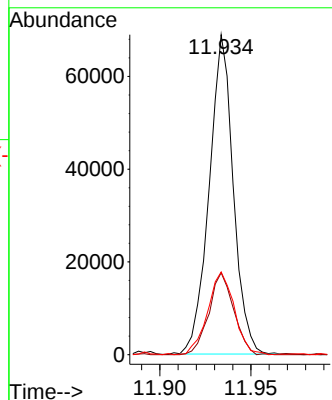
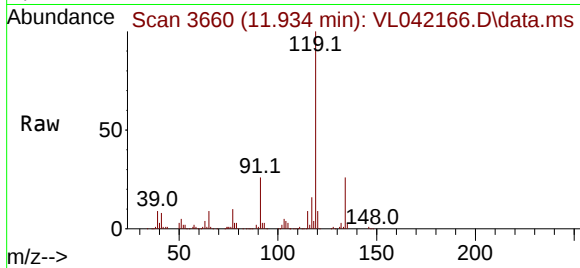




#69
p-Isopropyltoluene
Concen: 0.735 ppbv
RT: 11.934 min Scan# 3660
Delta R.T. 0.000 min
Lab File: VL042166.D
Acq: 25 Mar 2025 10:00

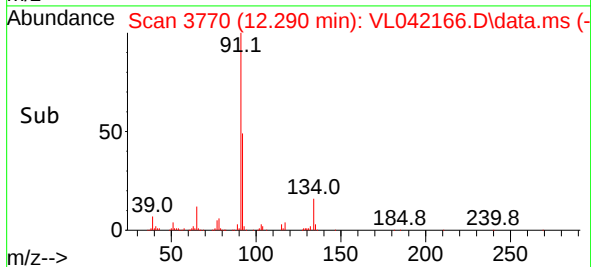
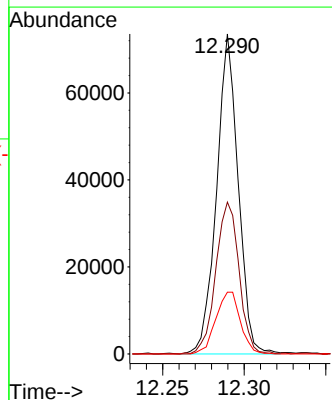
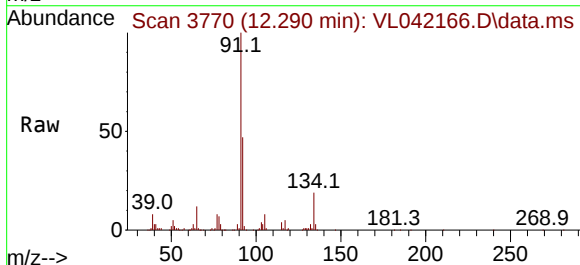
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

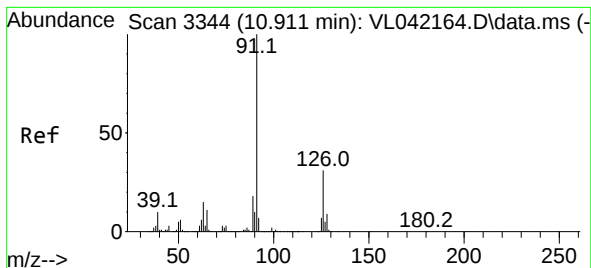
Tgt Ion:119 Resp: 63349
Ion Ratio Lower Upper
119 100
134 26.6 21.3 31.9
91 29.1 22.4 33.6



#70
n-Butylbenzene
Concen: 0.763 ppbv
RT: 12.290 min Scan# 3770
Delta R.T. 0.000 min
Lab File: VL042166.D
Acq: 25 Mar 2025 10:00

Tgt Ion: 91 Resp: 67648
Ion Ratio Lower Upper
91 100
92 51.5 44.5 66.7
134 22.0 19.1 28.7

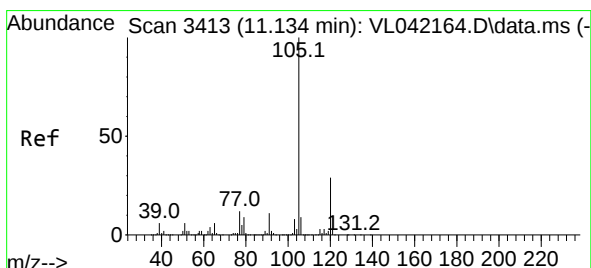
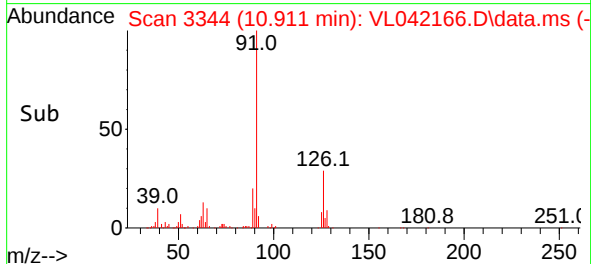
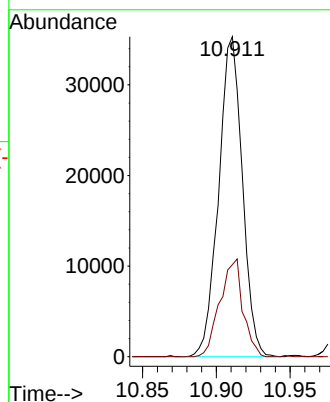
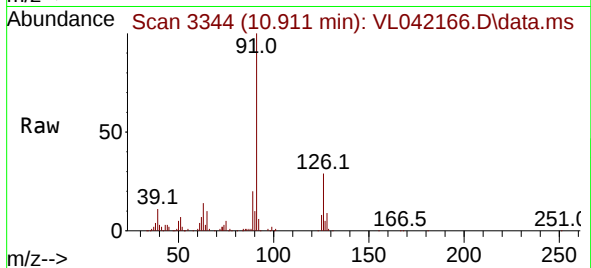




#71
2-Chlorotoluene
Concen: 0.629 ppbv
RT: 10.911 min Scan# 311
Delta R.T. 0.000 min
Lab File: VL042166.D
Acq: 25 Mar 2025 10:00

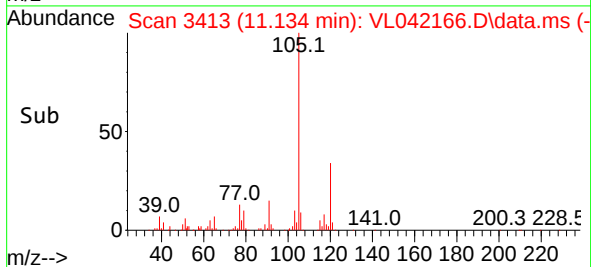
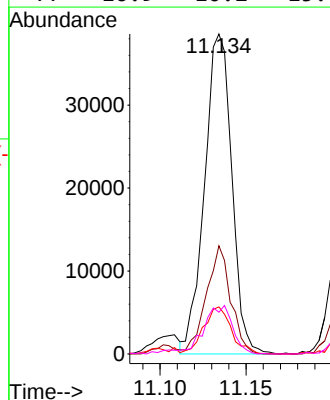
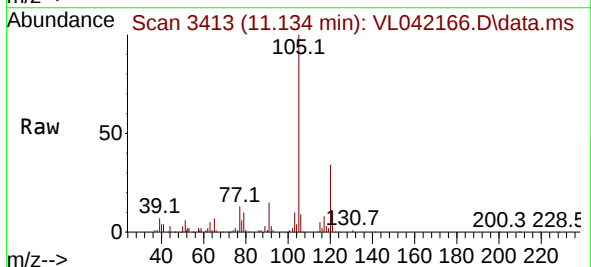
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

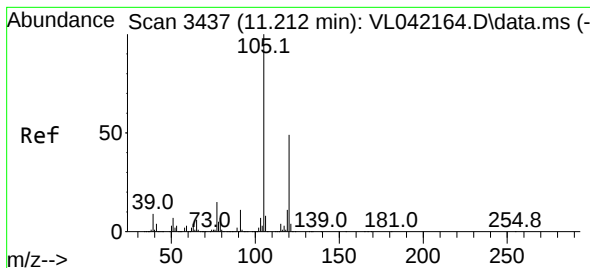
Tgt Ion: 91 Resp: 39453
Ion Ratio Lower Upper
91 100
126 29.7 12.3 49.1



#72
4-Ethyltoluene
Concen: 0.633 ppbv
RT: 11.134 min Scan# 3413
Delta R.T. 0.000 min
Lab File: VL042166.D
Acq: 25 Mar 2025 10:00

Tgt Ion: 105 Resp: 42519
Ion Ratio Lower Upper
105 100
120 32.5 24.2 36.2
91 17.0 9.8 14.8#
77 16.9 10.2 15.4#





#73

1,3,5-Trimethylbenzene

Concen: 0.712 ppbv

RT: 11.212 min Scan# 3437

Delta R.T. 0.000 min

Lab File: VL042166.D

Acq: 25 Mar 2025 10:00

Instrument :

MSVOA_L

ClientSampleId :

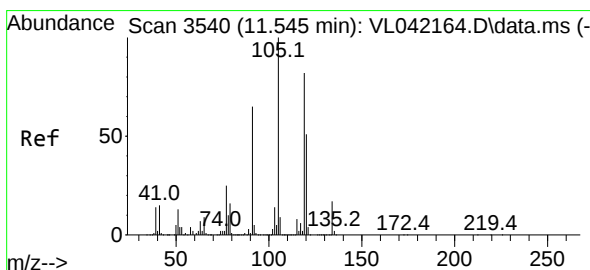
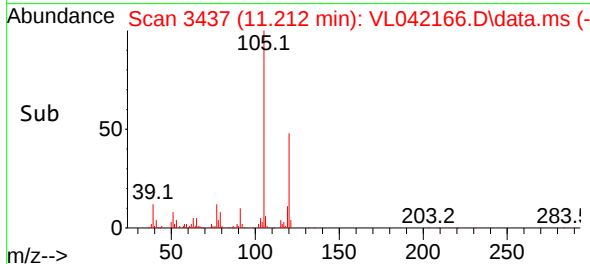
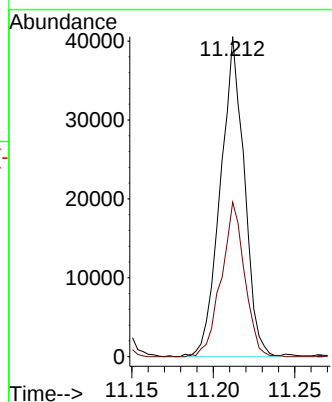
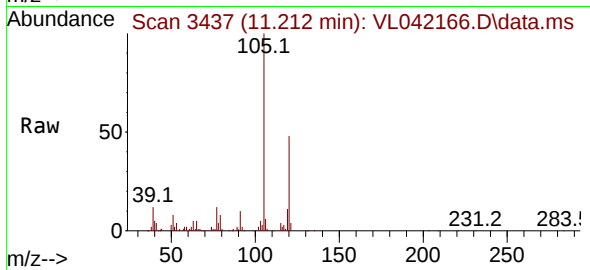
VSTDIC001

Tgt Ion:105 Resp: 41350

Ion Ratio Lower Upper

105 100

120 48.3 39.2 58.8



#74

1,2,4-Trimethylbenzene

Concen: 0.836 ppbv

RT: 11.545 min Scan# 3540

Delta R.T. 0.000 min

Lab File: VL042166.D

Acq: 25 Mar 2025 10:00

Tgt Ion:105 Resp: 55469

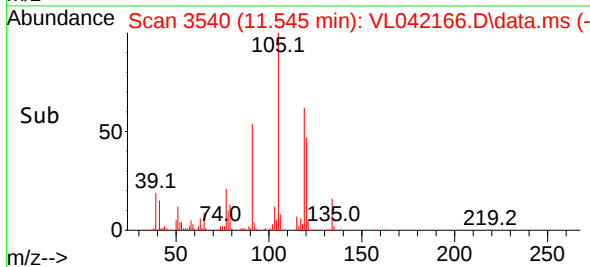
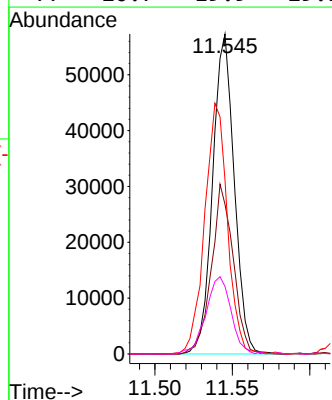
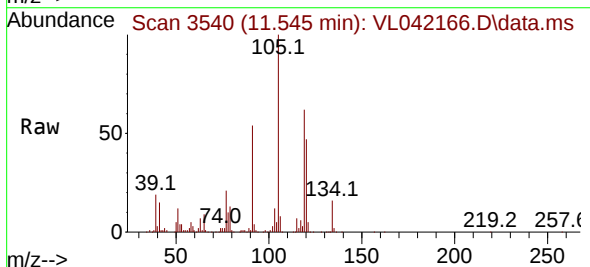
Ion Ratio Lower Upper

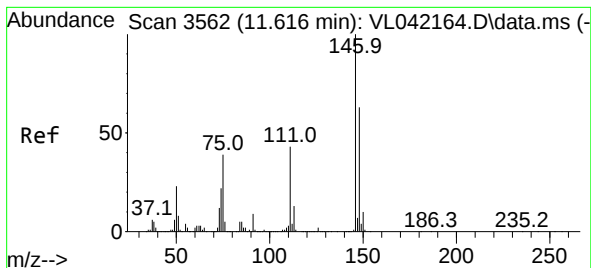
105 100

120 46.8 40.9 61.3

91 54.1 52.6 79.0

77 20.7 19.9 29.9





#75

1,3-Dichlorobenzene

Concen: 0.938 ppbv

RT: 11.613 min Scan# 3562

Delta R.T. -0.003 min

Lab File: VL042166.D

Acq: 25 Mar 2025 10:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

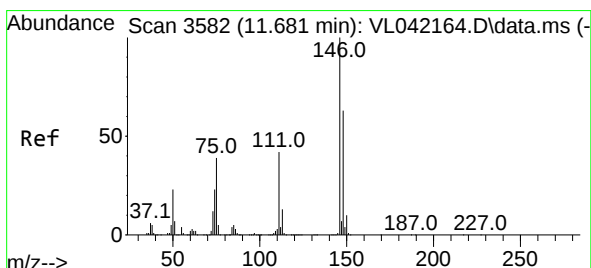
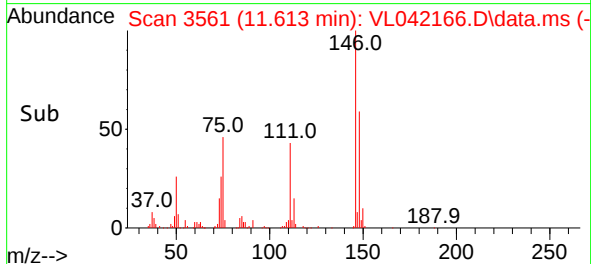
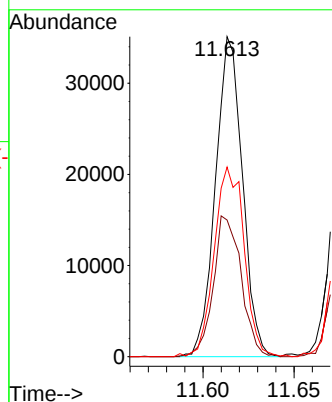
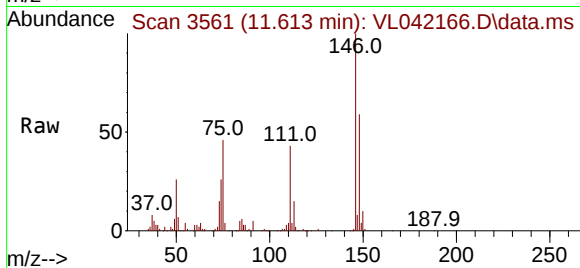
Tgt Ion:146 Resp: 36145

Ion Ratio Lower Upper

146 100

111 45.5 21.9 65.8

148 65.8 31.7 95.1



#76

1,4-Dichlorobenzene

Concen: 0.893 ppbv

RT: 11.678 min Scan# 3581

Delta R.T. -0.003 min

Lab File: VL042166.D

Acq: 25 Mar 2025 10:00

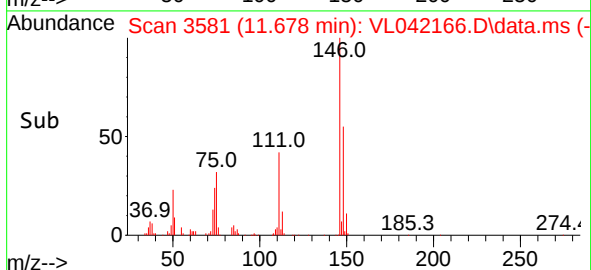
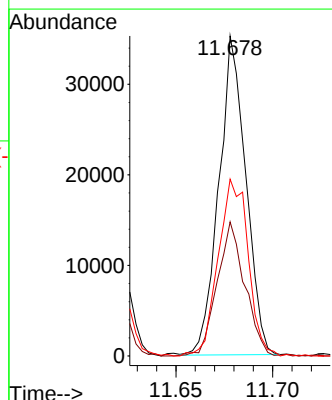
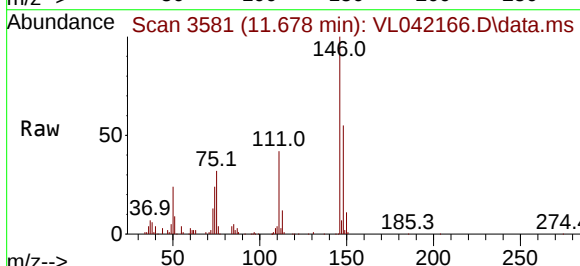
Tgt Ion:146 Resp: 34191

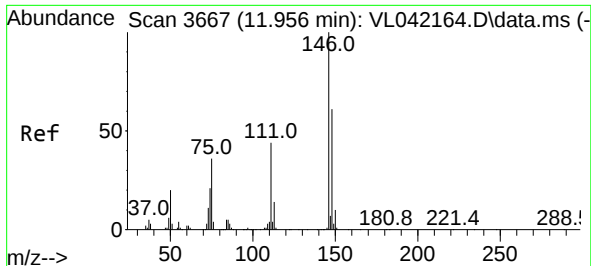
Ion Ratio Lower Upper

146 100

111 43.3 21.3 64.0

148 61.5 31.8 95.3

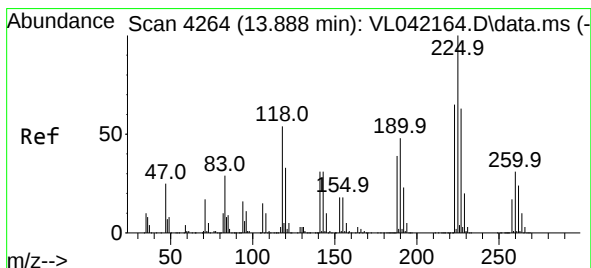
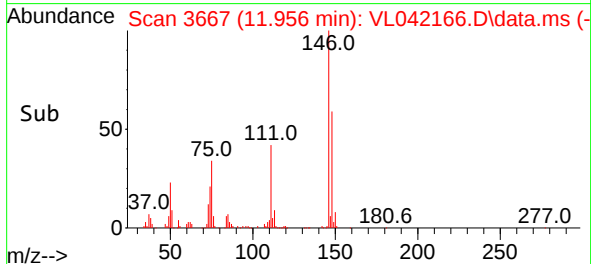
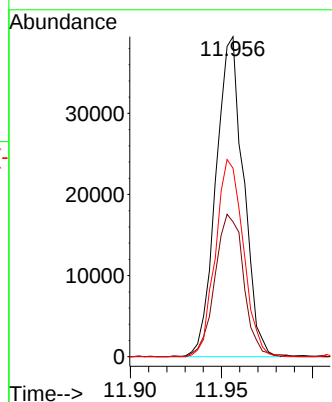
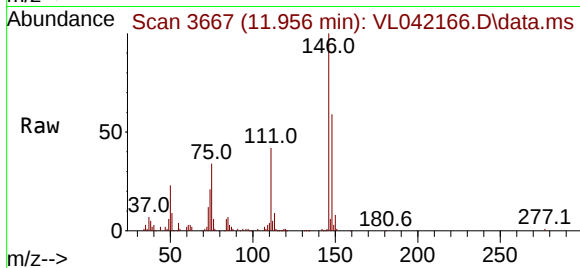




#77
1,2-Dichlorobenzene
Concen: 1.097 ppbv
RT: 11.956 min Scan# 3667
Delta R.T. 0.000 min
Lab File: VL042166.D
Acq: 25 Mar 2025 10:00

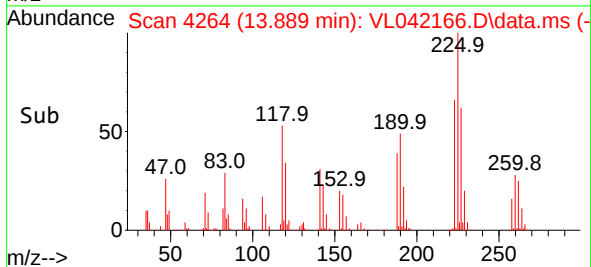
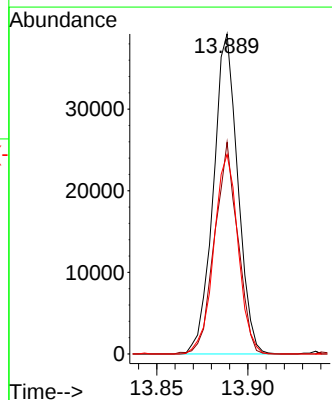
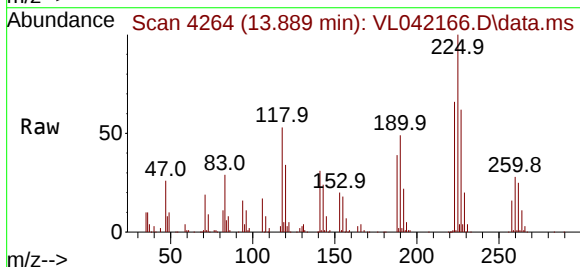
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

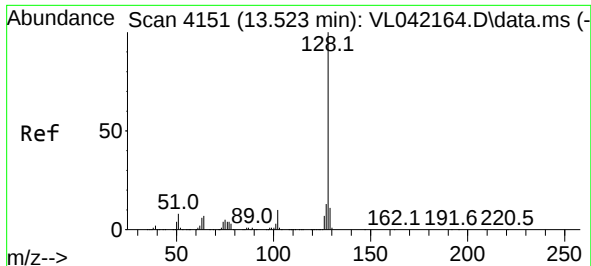
Tgt Ion:146 Resp: 41451
Ion Ratio Lower Upper
146 100
111 46.6 23.1 69.3
148 62.3 31.6 94.7



#78
Hexachloro-1,3-Butadiene
Concen: 1.224 ppbv
RT: 13.889 min Scan# 4264
Delta R.T. 0.000 min
Lab File: VL042166.D
Acq: 25 Mar 2025 10:00

Tgt Ion:225 Resp: 36548
Ion Ratio Lower Upper
225 100
223 62.6 51.1 76.7
227 61.9 50.6 76.0





#79

Naphthalene

Concen: 0.953 ppbv

RT: 13.520 min Scan# 4151

Delta R.T. -0.003 min

Lab File: VL042166.D

Acq: 25 Mar 2025 10:00

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

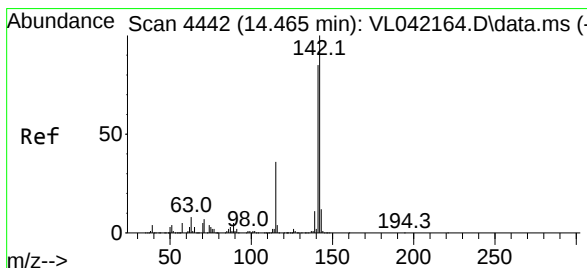
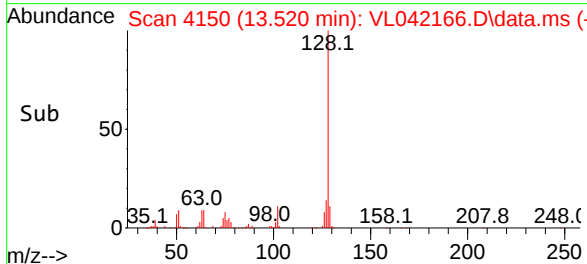
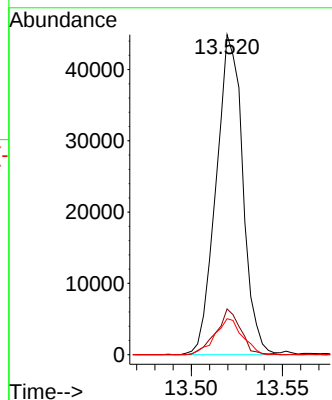
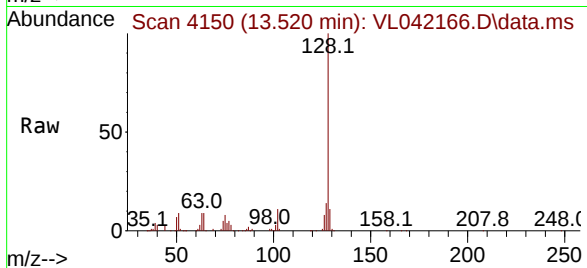
Tgt Ion:128 Resp: 45583

Ion Ratio Lower Upper

128 100

127 14.3 10.6 16.0

129 11.2 8.7 13.1



#80

Naphthalene,2-methyl-

Concen: 0.960 ppbv

RT: 14.465 min Scan# 4442

Delta R.T. 0.000 min

Lab File: VL042166.D

Acq: 25 Mar 2025 10:00

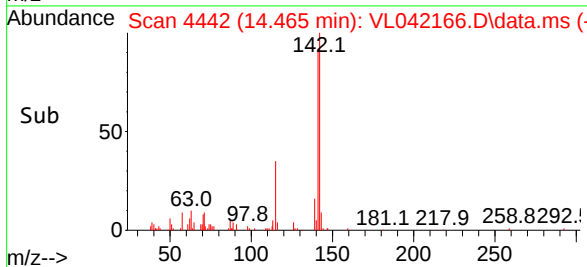
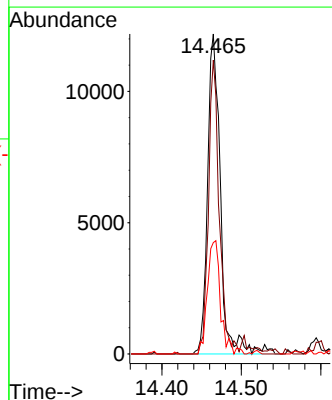
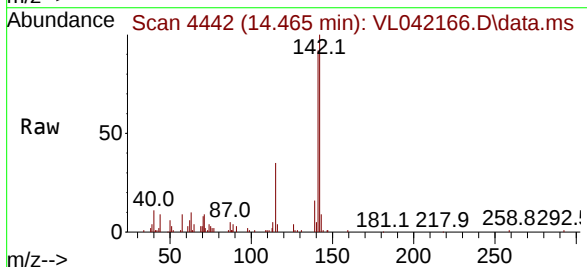
Tgt Ion:142 Resp: 13723

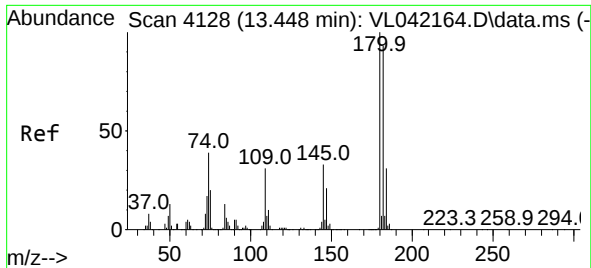
Ion Ratio Lower Upper

142 100

141 82.4 66.7 100.1

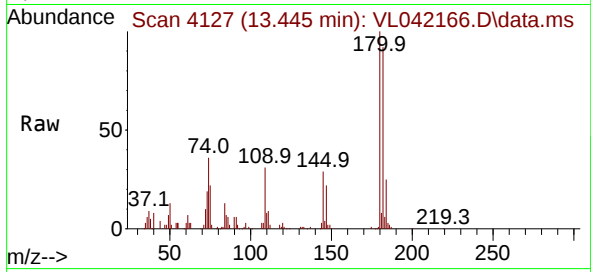
115 36.7 29.0 43.4





#81
 1,2,4-Trichlorobenzene
 Concen: 0.869 ppbv
 RT: 13.445 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL042166.D
 Acq: 25 Mar 2025 10:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



Tgt Ion:	180	Resp:	22899
Ion Ratio	Lower	Upper	
180	100		
182	99.8	76.3	114.5
184	32.1	24.4	36.6

