

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
 Data File : VL042416.D
 Acq On : 28 Apr 2025 08:44
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Apr 29 01:31:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Apr 18 02:14:00 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	121989	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	345031	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	305240	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	264197	10.533	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.300%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	219089	10.165	ppbv	98
3) Chlorodifluoromethane	1.476	51	192111	9.360	ppbv	99
4) Chloromethane	1.531	50	85195	9.988	ppbv	98
5) Vinyl Chloride	1.580	62	82863	8.925	ppbv	100
6) Bromomethane	1.667	94	37396	9.376	ppbv	83
7) Chloroethane	1.703	64	32235	9.600	ppbv	99
8) Dichlorotetrafluoroethane	1.554	85	189174	10.223	ppbv	95
9) Propene	1.483	41	75996	8.131	ppbv	98
10) Heptane	4.975	43	205785	7.837	ppbv	98
11) Trichlorofluoromethane	1.874	101	210830	10.286	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.136	101	163109	9.733	ppbv	97
13) Ethanol	1.719	45	4612	3.104	ppbv	98
14) Bromoethene	1.780	108	63235	10.010	ppbv	97
15) Acetone	1.832	43	172207	8.623	ppbv	100
16) 1,3-Butadiene	1.609	39	84816	8.880	ppbv	98
17) tert-Butyl alcohol	2.039	59	226804	9.164	ppbv	100
18) 1,1-Dichloroethene	2.033	96	73751	9.420	ppbv	96
19) Isopropyl Alcohol	1.884	45	101011	9.105	ppbv	93
20) Methylene Chloride	2.059	84	62506	7.992	ppbv	90
21) Allyl Chloride	2.094	41	125215	9.081	ppbv	97
22) trans-1,2-Dichloroethene	2.337	96	81589	9.153	ppbv	94
23) Vinyl Acetate	2.460	43	64907	8.030	ppbv	97
24) 1,1-Dichloroethane	2.405	63	163124	9.634	ppbv	99
25) Ethyl Acetate	2.835	43	425121	8.634	ppbv	99
26) Hexane	2.823	57	166789	8.370	ppbv	98
27) Carbon Disulfide	2.146	76	205605	9.637	ppbv	96
28) Methyl tert-Butyl Ether	2.437	73	116474	8.922	ppbv	93
29) Chloroform	2.845	83	280938	9.975	ppbv	99
30) Cyclohexane	3.852	84	142532	8.849	ppbv	98
31) cis-1,2-Dichloroethene	2.719	61	181514	9.581	ppbv	96
32) 1,1,1-Trichloroethane	3.363	97	301259	9.501	ppbv	99
34) 2-Butanone	2.554	43	241047	8.834	ppbv	99
35) Carbon Tetrachloride	3.758	117	305477	9.783	ppbv	96
36) Benzene	3.654	78	338736	9.102	ppbv	97
37) 1,2-Dichloroethane	3.214	62	235966	10.564	ppbv	97
38) Trichloroethene	4.541	130	136731	8.406	ppbv	95
39) 1,2-Dichloropropane	4.308	63	122213	8.813	ppbv	97
40) 1,4-Dioxane	4.577	88	58837	7.720	ppbv #	95
41) Tetrahydrofuran	3.052	42	133063	8.363	ppbv	99
42) Bromodichloromethane	4.483	83	310726	9.996	ppbv #	96
43) Methyl Methacrylate	4.878	69	138030	8.230	ppbv	94
44) 2,2,4-Trimethylpentane	4.635	57	562403	8.750	ppbv	96
45) t-1,3-Dichloropropene	6.409	75	157191	9.175	ppbv	95

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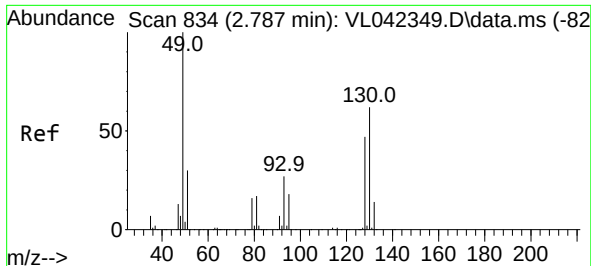
Quant Time: Apr 29 01:31:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	191165	9.117	ppbv #	88
47) 1,1,2-Trichloroethane	6.574	97	133821	9.471	ppbv	96
48) Dibromochloromethane	7.383	129	245439	9.832	ppbv	99
49) Bromoform	9.480	173	198991	9.117	ppbv	100
50) 4-Methyl-2-Pentanone	5.748	43	356129	7.854	ppbv	99
51) 2-Hexanone	7.431	43	287045	7.058	ppbv	98
52) Tetrachloroethene	8.221	164	114038	7.928	ppbv	91
53) Toluene	6.927	91	398162	8.916	ppbv	100
54) 1,2-Dibromoethane	7.648	107	189639	9.378	ppbv	92
56) 1,1,1,2-Tetrachloroethane	8.920	131	184161	9.969	ppbv	97
57) Chlorobenzene	8.917	112	300677	9.471	ppbv	98
58) Ethyl Benzene	9.354	91	568129	9.394	ppbv	98
59) m/p-Xylene	9.548	91	438382	8.998	ppbv #	29
60) o-Xylene	9.963	91	466411	9.507	ppbv	97
61) Styrene	9.865	104	213119	9.101	ppbv	98
62) Isopropylbenzene	10.535	105	680837	9.452	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.959	83	274653	8.639	ppbv	99
64) n-propylbenzene	10.989	120	166984	9.223	ppbv	98
65) tert-Butylbenzene	11.529	119	610304	9.219	ppbv	95
66) Benzyl Chloride	11.613	91	59187	8.136	ppbv	99
67) sec-Butylbenzene	11.765	105	854169	9.276	ppbv	99
69) p-Isopropyltoluene	11.924	119	732365	9.155	ppbv	97
70) n-Butylbenzene	12.280	91	765539	9.188	ppbv	99
71) 2-Chlorotoluene	10.898	91	534834	9.467	ppbv	98
72) 4-Ethyltoluene	11.121	105	556591	9.280	ppbv	97
73) 1,3,5-Trimethylbenzene	11.202	105	487223	9.201	ppbv	98
74) 1,2,4-Trimethylbenzene	11.536	105	541720	8.759	ppbv	94
75) 1,3-Dichlorobenzene	11.607	146	287285	8.936	ppbv	97
76) 1,4-Dichlorobenzene	11.671	146	290512	8.991	ppbv	98
77) 1,2-Dichlorobenzene	11.943	146	279962	8.956	ppbv	98
78) Hexachloro-1,3-Butadiene	13.879	225	265745	8.419	ppbv	100
79) Naphthalene	13.513	128	622606	8.418	ppbv	99
80) Naphthalene,2-methyl-	14.455	142	328047	7.783	ppbv	95
81) 1,2,4-Trichlorobenzene	13.439	180	269711	8.493	ppbv	99

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

Quant Time: Apr 29 01:31:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

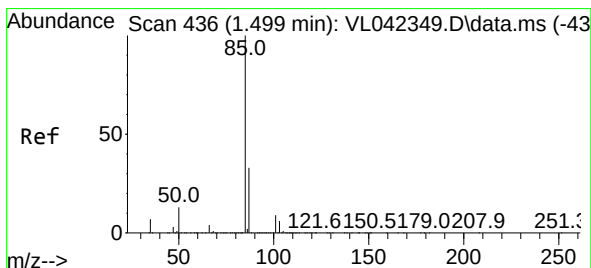
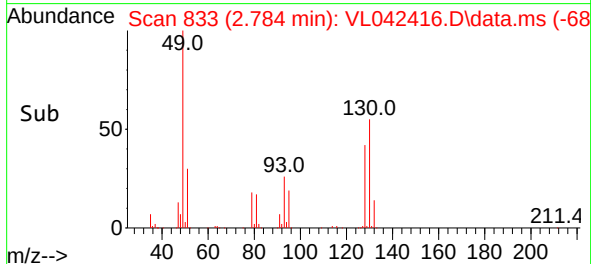
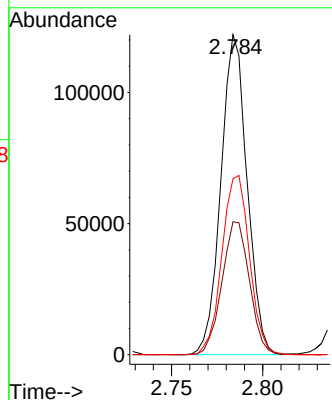
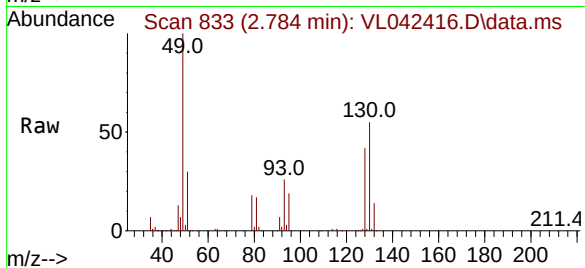




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

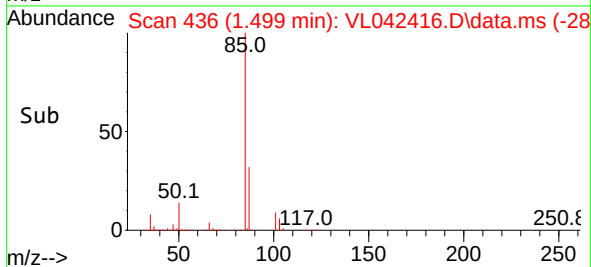
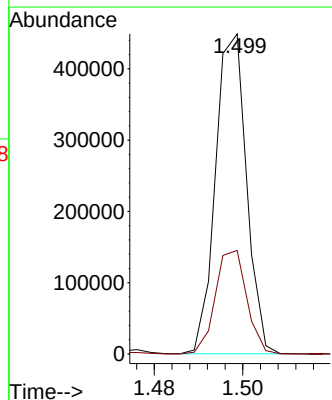
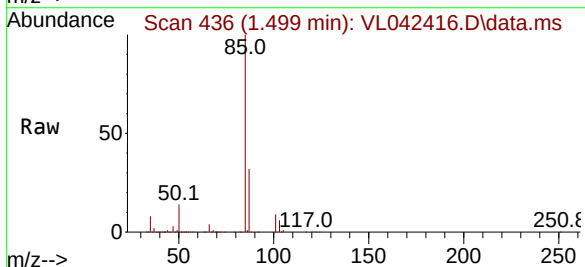
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MSVOA_L
ClientSampleId :
VSTDCCC010

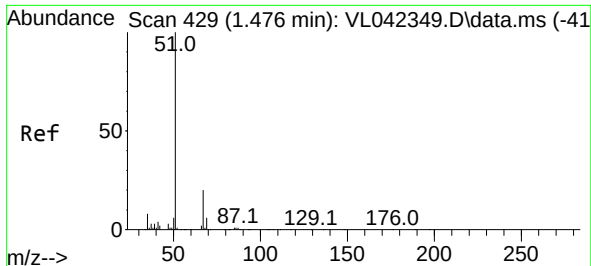
Tgt Ion: 49 Resp: 121989
Ion Ratio Lower Upper
49 100
128 43.6 22.8 68.4
130 59.0 29.3 88.0



#2
Dichlorodifluoromethane
Concen: 10.165 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 85 Resp: 219089
Ion Ratio Lower Upper
85 100
87 32.3 26.6 39.8

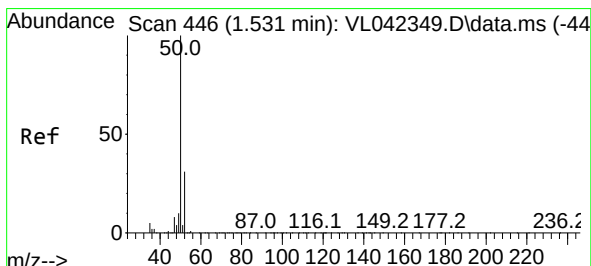
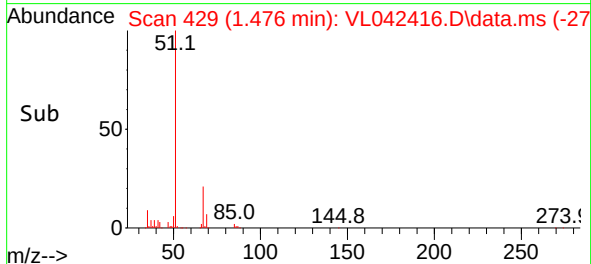
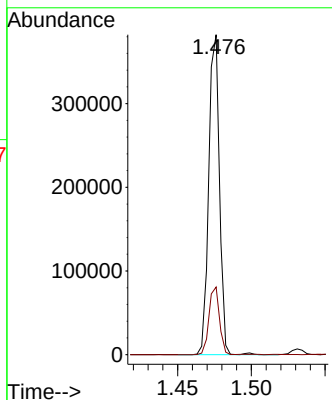
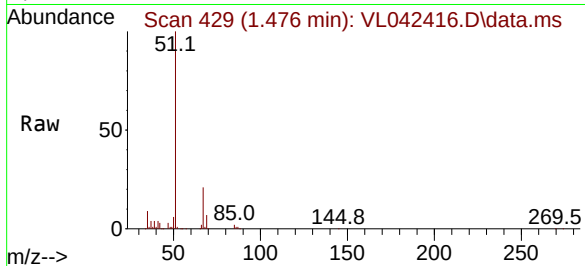




#3
Chlorodifluoromethane
Concen: 9.360 ppbv
RT: 1.476 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

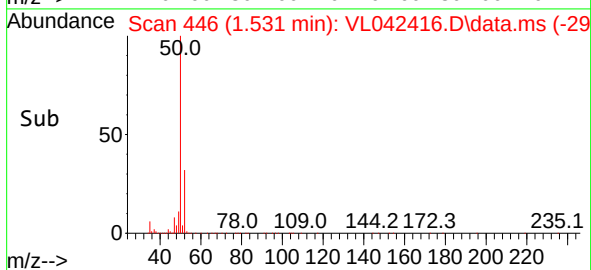
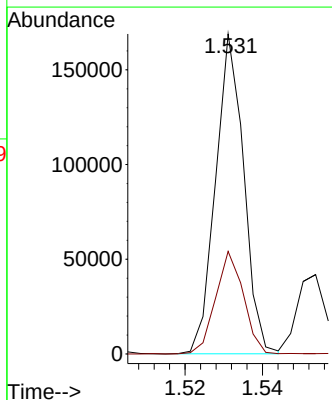
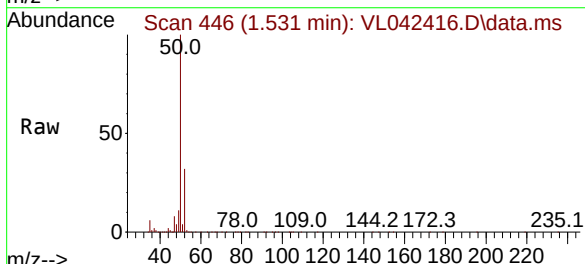
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

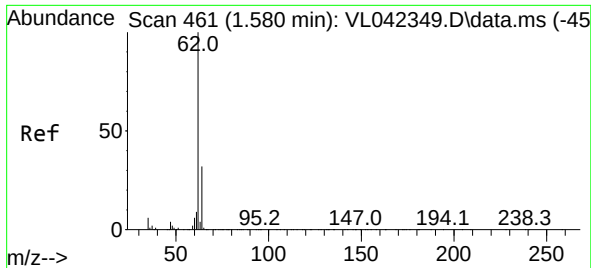
Tgt Ion: 51 Resp: 192111
Ion Ratio Lower Upper
51 100
67 21.0 16.2 24.4



#4
Chloromethane
Concen: 9.988 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 50 Resp: 85195
Ion Ratio Lower Upper
50 100
52 32.0 24.7 37.1

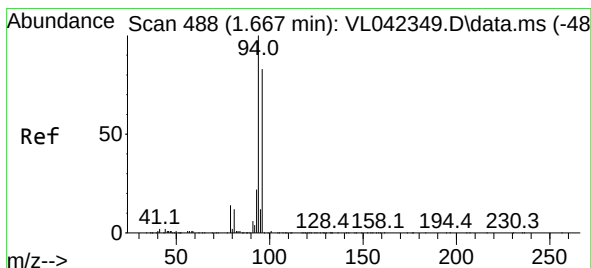
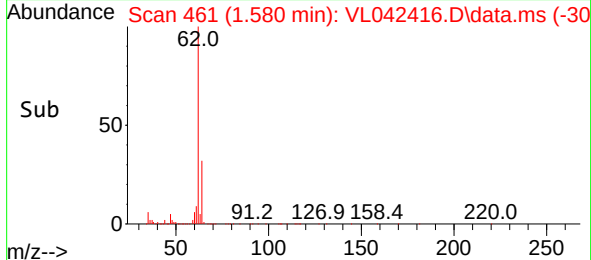
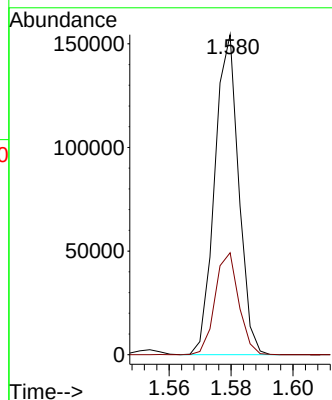
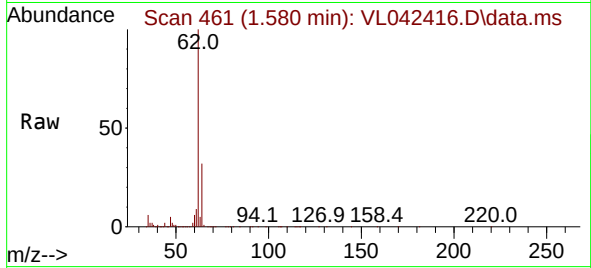




#5
 Vinyl Chloride
 Concen: 8.925 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.000 min
 Lab File: VL042416.D
 Acq: 28 Apr 2025 08:44

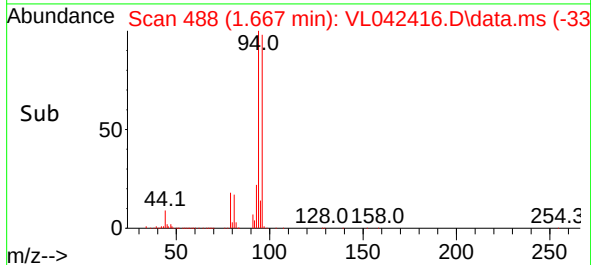
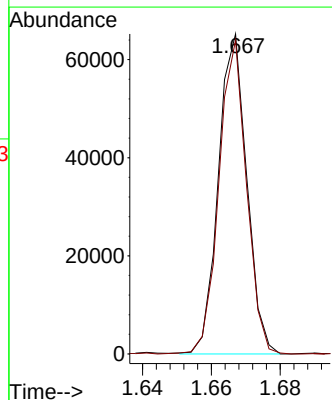
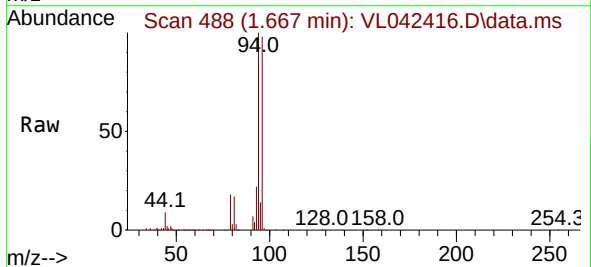
Instrument :
 MSVOA_1
 ClientSampleId :
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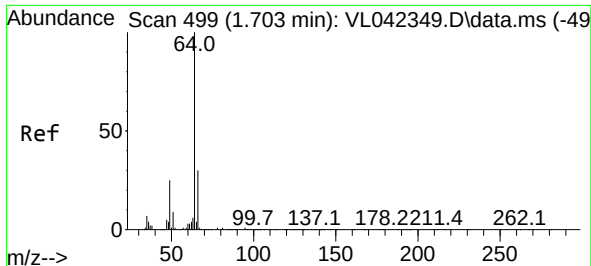
Tgt Ion: 62 Resp: 82863
 Ion Ratio Lower Upper
 62 100
 64 31.8 25.4 38.0



#6
 Bromomethane
 Concen: 9.376 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.000 min
 Lab File: VL042416.D
 Acq: 28 Apr 2025 08:44

Tgt Ion: 94 Resp: 37396
 Ion Ratio Lower Upper
 94 100
 96 97.7 66.2 99.2

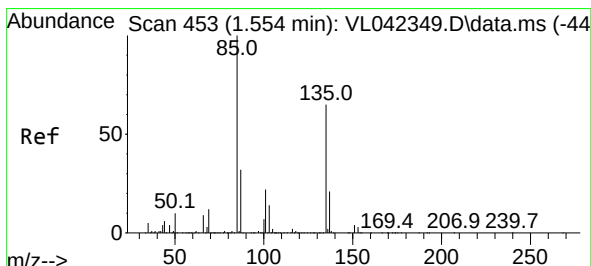
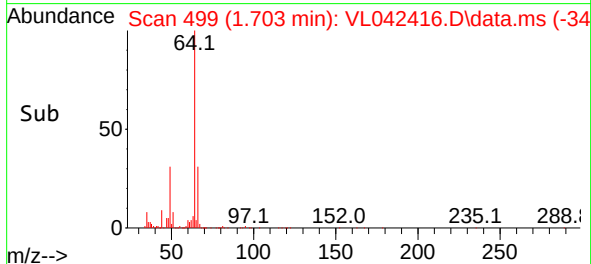
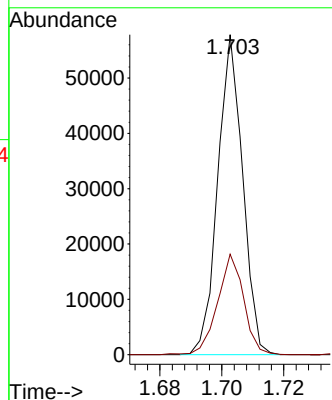
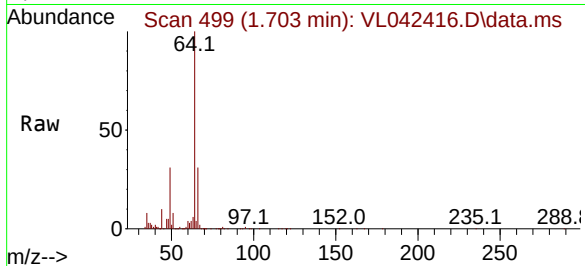




#7
Chloroethane
Concen: 9.600 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

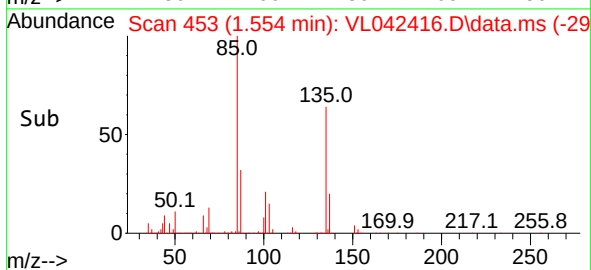
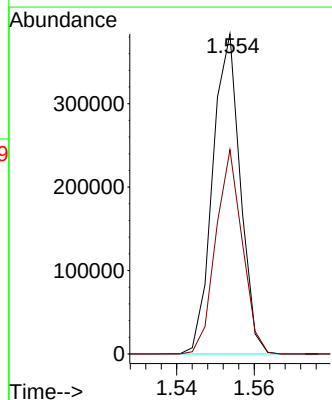
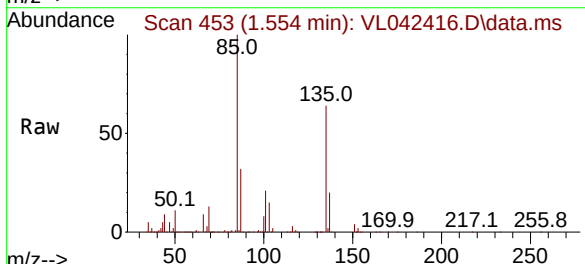
Instrument :
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ClientSampleId :
VSTDCCC010

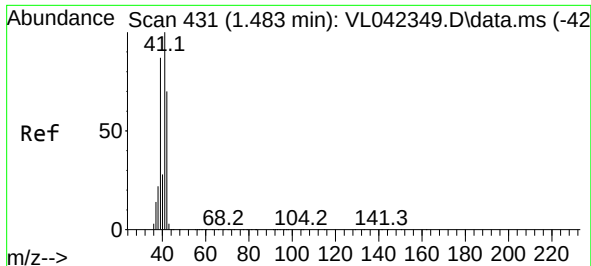
Tgt Ion: 64 Resp: 32235
Ion Ratio Lower Upper
64 100
66 31.4 24.6 37.0



#8
Dichlorotetrafluoroethane
Concen: 10.223 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 85 Resp: 189174
Ion Ratio Lower Upper
85 100
135 61.6 52.2 78.2





#9

Propene

Concen: 8.131 ppbv

RT: 1.483 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042416.D

Acq: 28 Apr 2025 08:44

Instrument :

MSVOA_L

ClientSampleId :

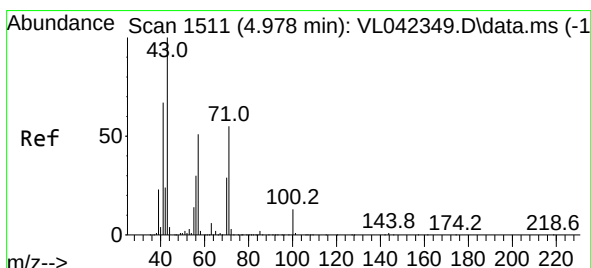
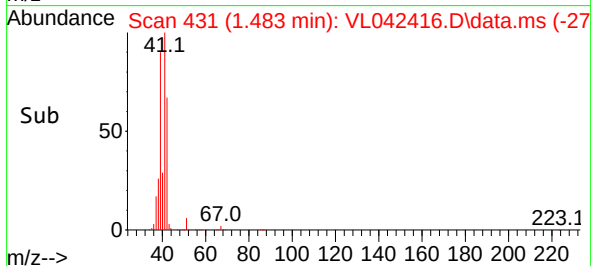
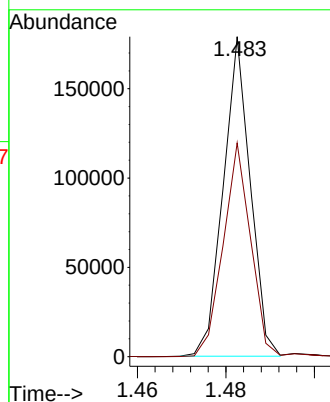
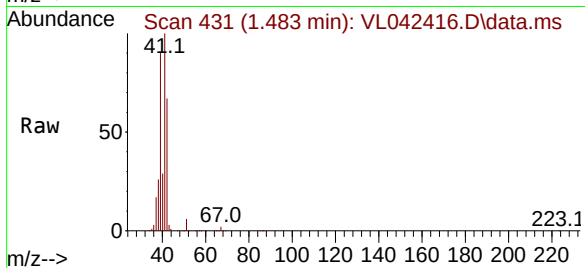
VSTDCCC010

Tgt Ion: 41 Resp: 75996

Ion Ratio Lower Upper

41 100

42 69.0 56.2 84.4



#10

Heptane

Concen: 7.837 ppbv

RT: 4.975 min Scan# 1510

Delta R.T. -0.003 min

Lab File: VL042416.D

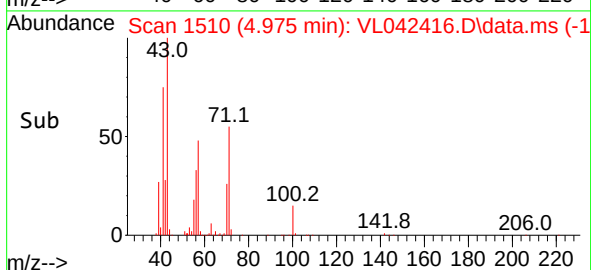
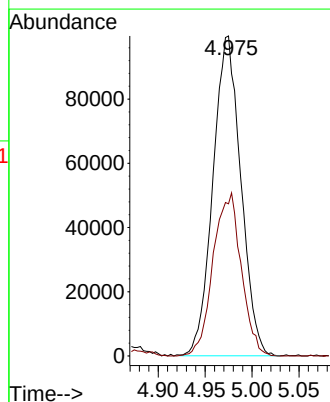
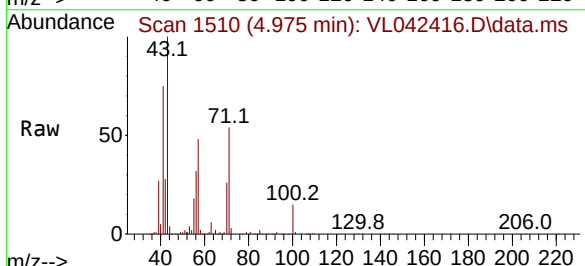
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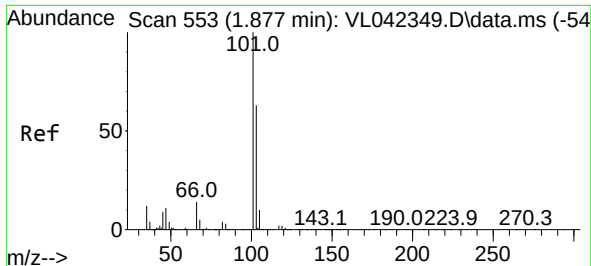
Tgt Ion: 43 Resp: 205785

Ion Ratio Lower Upper

43 100

57 51.3 39.9 59.9





#11

Trichlorofluoromethane

Concen: 10.286 ppbv

RT: 1.874 min Scan# 511

Delta R.T. -0.003 min

Lab File: VL042416.D

Acq: 28 Apr 2025 08:44

Instrument :

MSVOA_L

ClientSampleId :

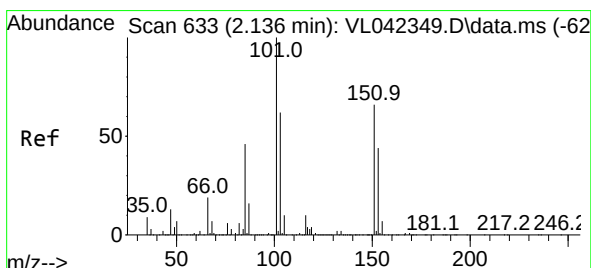
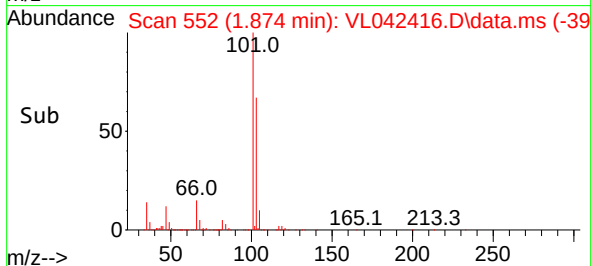
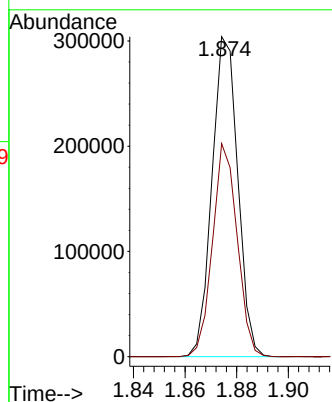
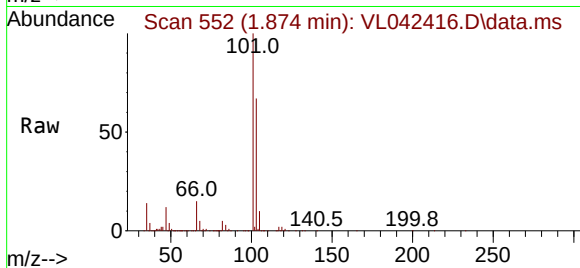
VSTDCCC010

Tgt Ion:101 Resp: 210830

Ion Ratio Lower Upper

101 100

103 66.6 50.1 75.1



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.733 ppbv

RT: 2.136 min Scan# 633

Delta R.T. -0.000 min

Lab File: VL042416.D

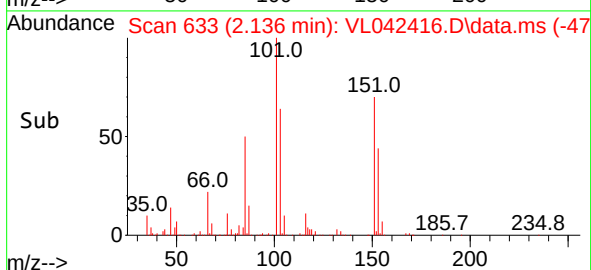
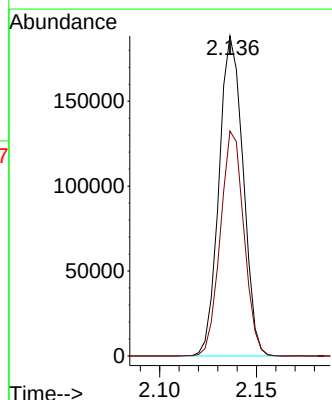
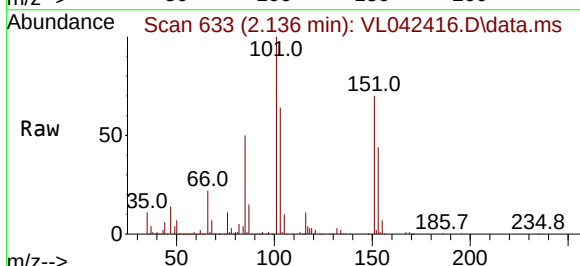
Acq: 28 Apr 2025 08:44

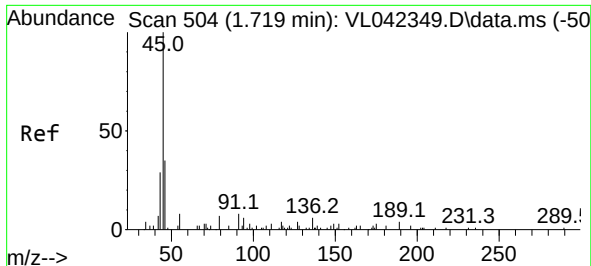
Tgt Ion:101 Resp: 163109

Ion Ratio Lower Upper

101 100

151 68.6 57.0 85.6

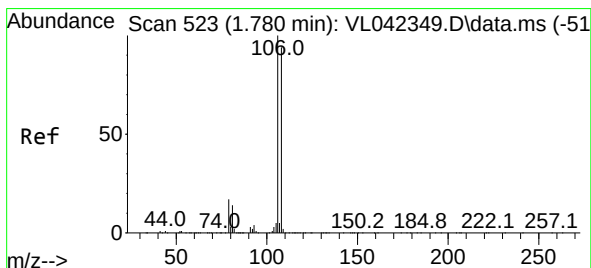
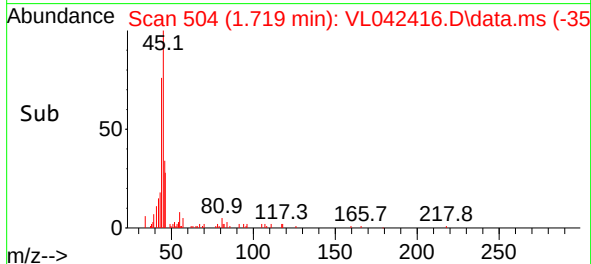
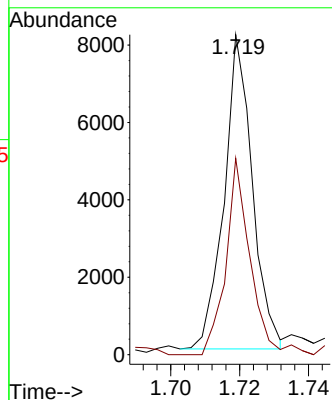
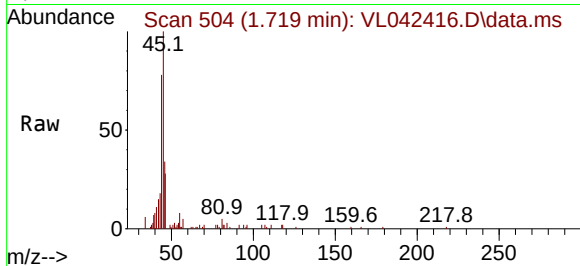




#13
Ethanol
Concen: 3.104 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

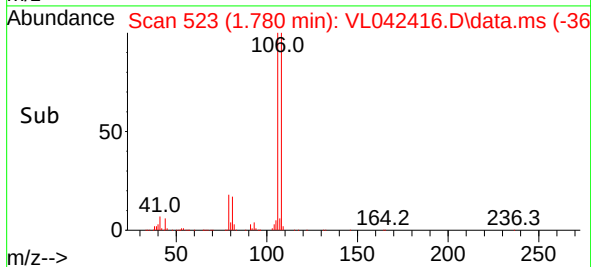
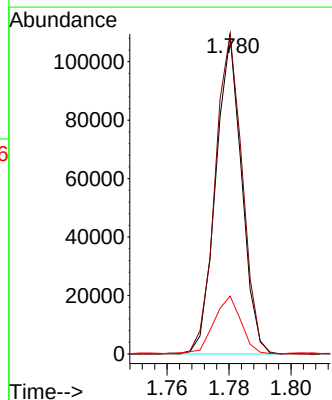
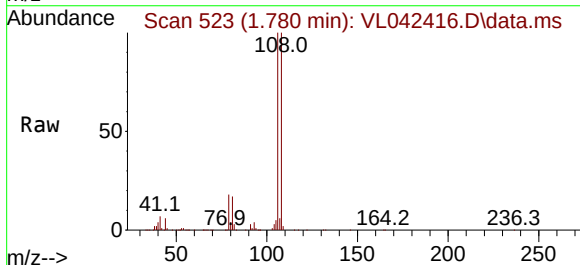
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

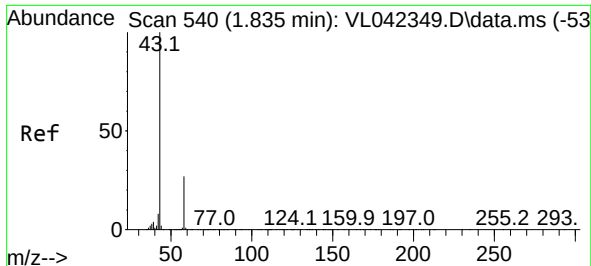
Tgt Ion: 45 Resp: 4612
Ion Ratio Lower Upper
45 100
46 56.4 21.9 87.7



#14
Bromoethene
Concen: 10.010 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 108 Resp: 63235
Ion Ratio Lower Upper
108 100
106 105.2 85.9 128.9
79 20.7 13.9 20.9

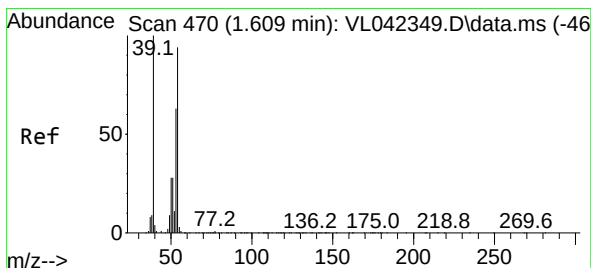
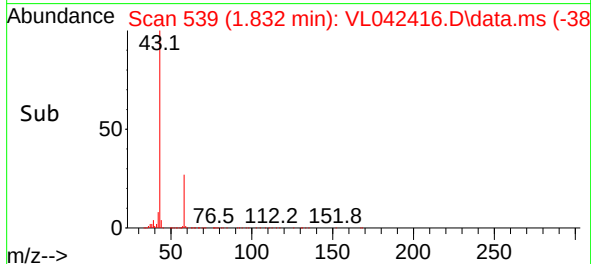
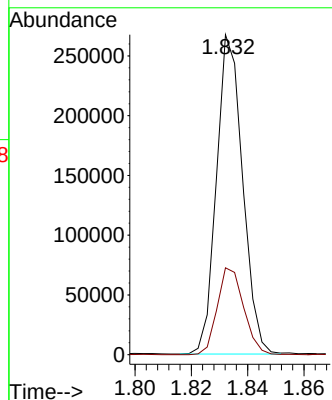
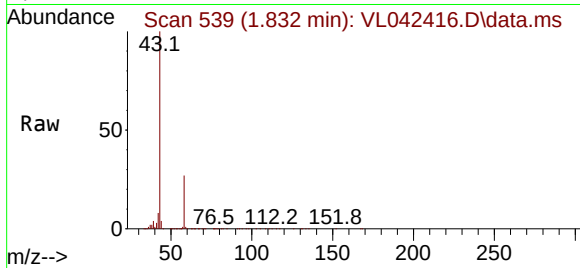




#15
Acetone
Concen: 8.623 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

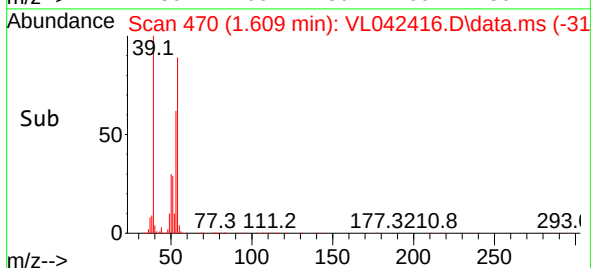
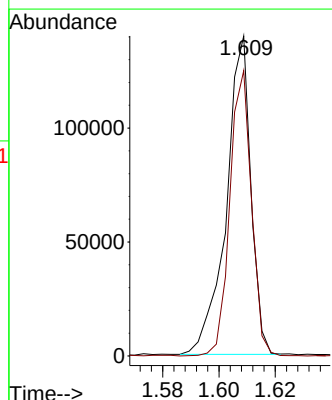
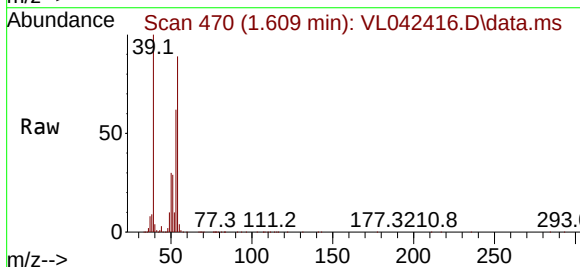
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

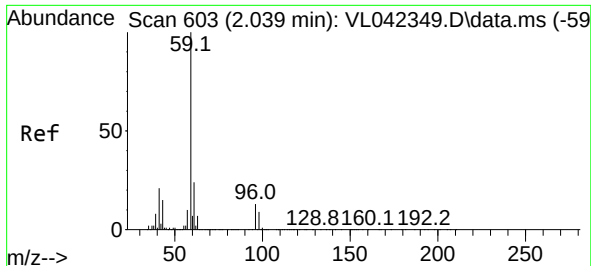
Tgt Ion: 43 Resp: 172207
Ion Ratio Lower Upper
43 100
58 27.7 22.4 33.6



#16
1,3-Butadiene
Concen: 8.880 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 39 Resp: 84816
Ion Ratio Lower Upper
39 100
54 79.2 64.9 97.3





#17

tert-Butyl alcohol

Concen: 9.164 ppbv

RT: 2.039 min Scan# 603

Delta R.T. -0.000 min

Lab File: VL042416.D

Acq: 28 Apr 2025 08:44

Instrument :

MSVOA_L

ClientSampleId :

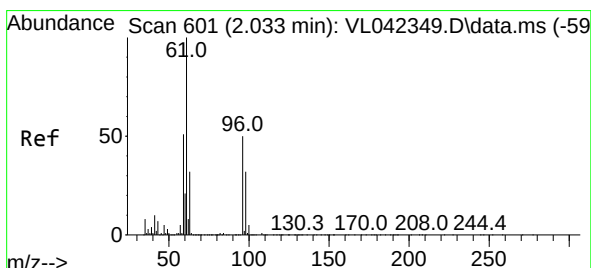
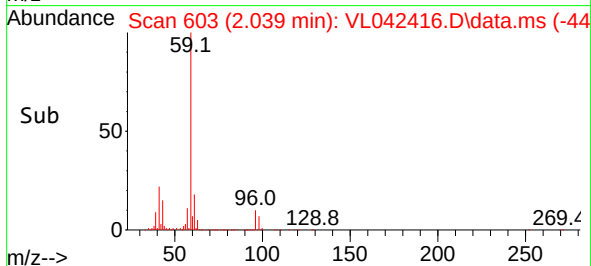
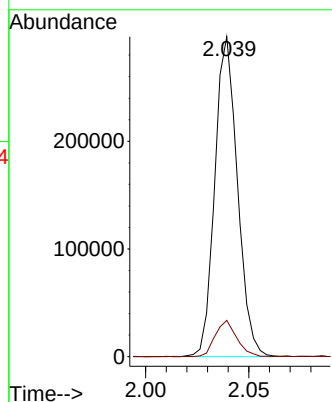
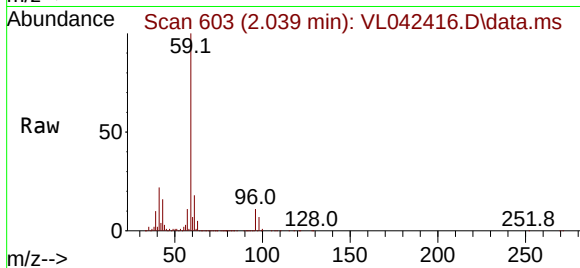
VSTDCCC010

Tgt Ion: 59 Resp: 226804

Ion Ratio Lower Upper

59 100

57 10.8 8.7 13.1



#18

1,1-Dichloroethene

Concen: 9.420 ppbv

RT: 2.033 min Scan# 601

Delta R.T. -0.000 min

Lab File: VL042416.D

Acq: 28 Apr 2025 08:44

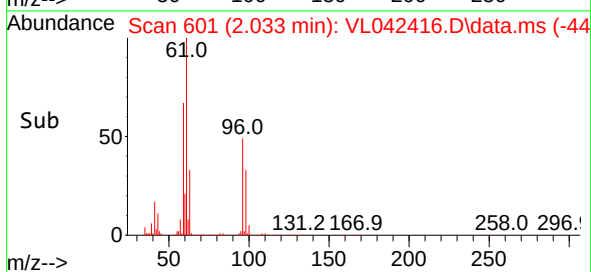
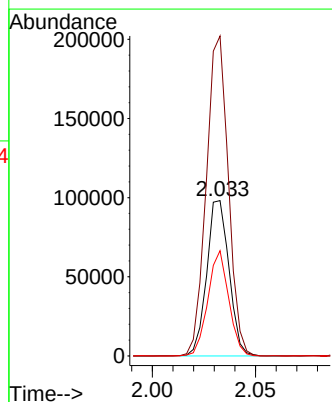
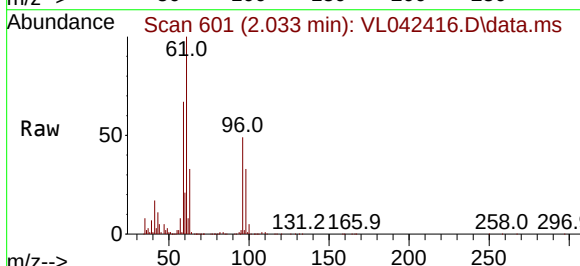
Tgt Ion: 96 Resp: 73751

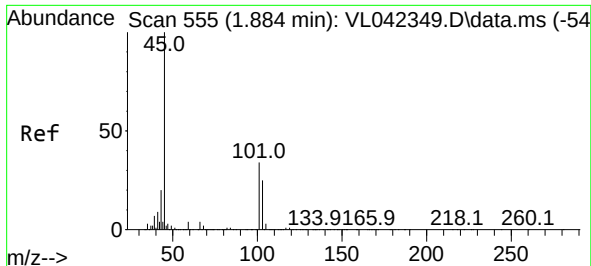
Ion Ratio Lower Upper

96 100

61 205.9 160.2 240.2

98 67.8 51.0 76.4

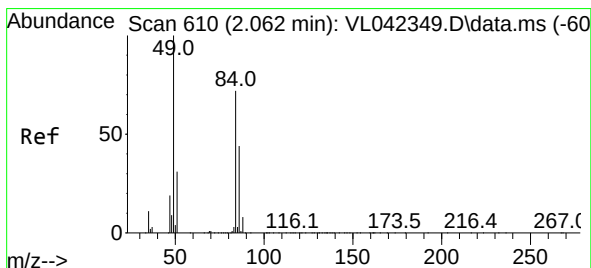
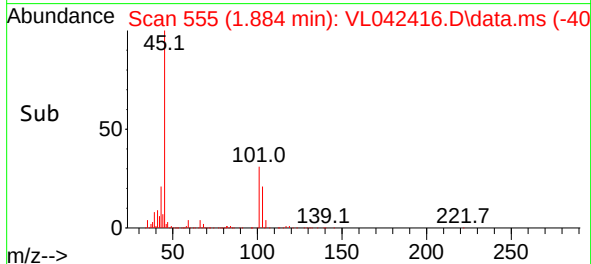
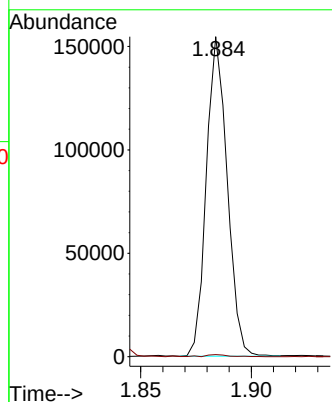
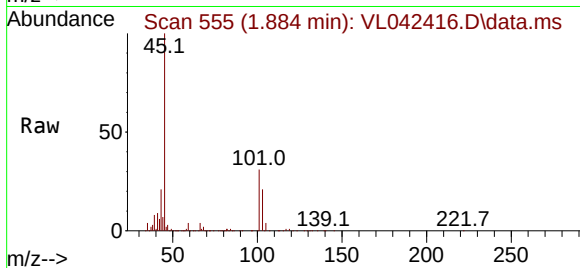




#19
Isopropyl Alcohol
Concen: 9.105 ppbv
RT: 1.884 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

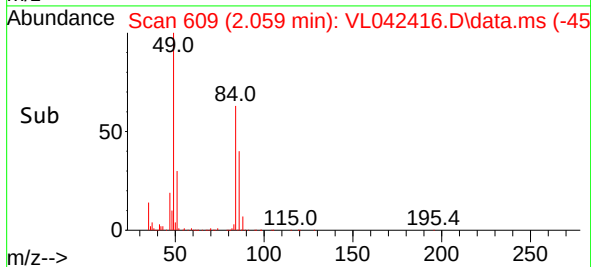
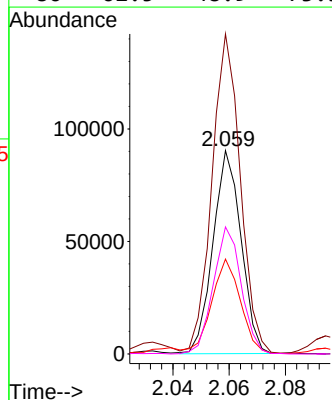
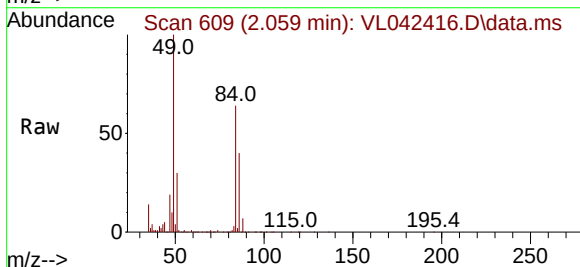
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

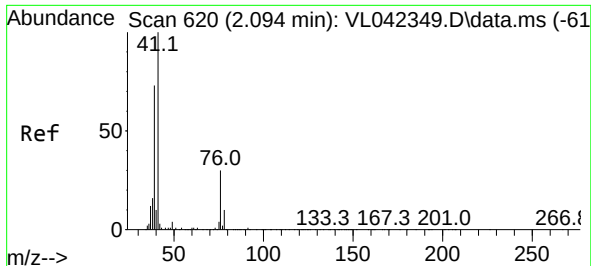
Tgt Ion: 45 Resp: 101011
Ion Ratio Lower Upper
45 100
58 47.3 34.5 51.7



#20
Methylene Chloride
Concen: 7.992 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 84 Resp: 62506
Ion Ratio Lower Upper
84 100
49 157.3 111.6 167.4
51 46.5 35.1 52.7
86 62.5 48.9 73.3

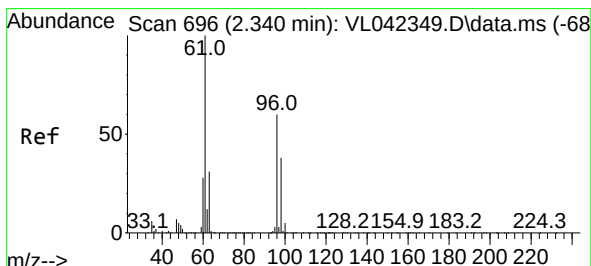
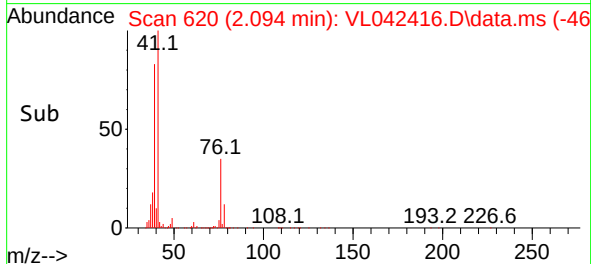
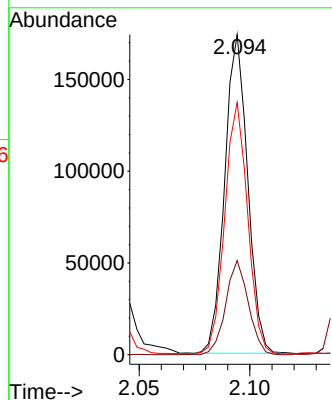
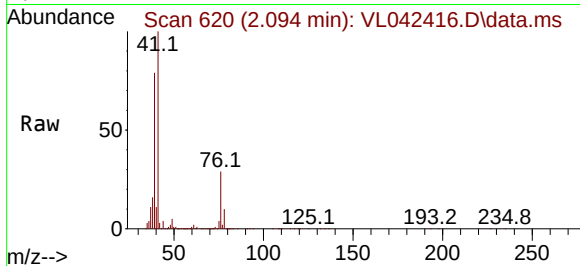




#21
 Allyl Chloride
 Concen: 9.081 ppbv
 RT: 2.094 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL042416.D
 Acq: 28 Apr 2025 08:44

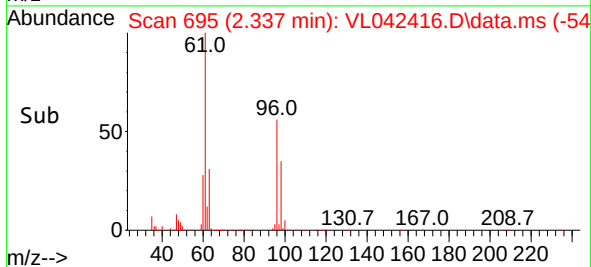
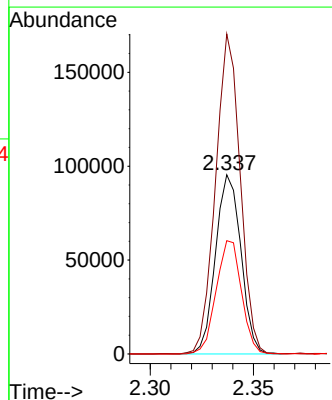
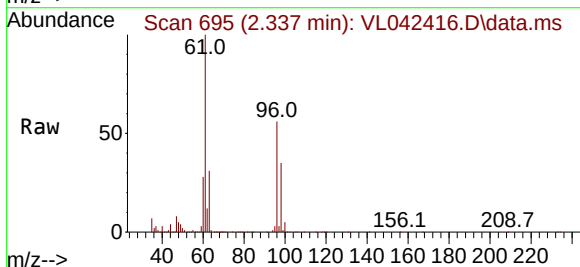
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

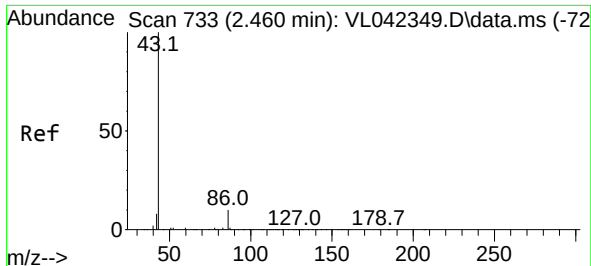
Tgt Ion: 41 Resp: 125215
 Ion Ratio Lower Upper
 41 100
 76 29.2 24.8 37.2
 39 78.4 60.6 90.8



#22
 trans-1,2-Dichloroethene
 Concen: 9.153 ppbv
 RT: 2.337 min Scan# 695
 Delta R.T. -0.003 min
 Lab File: VL042416.D
 Acq: 28 Apr 2025 08:44

Tgt Ion: 96 Resp: 81589
 Ion Ratio Lower Upper
 96 100
 61 178.4 133.7 200.5
 98 63.2 50.3 75.5

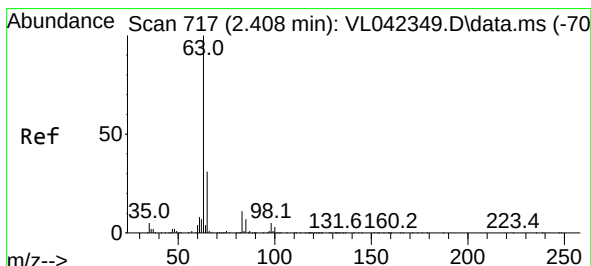
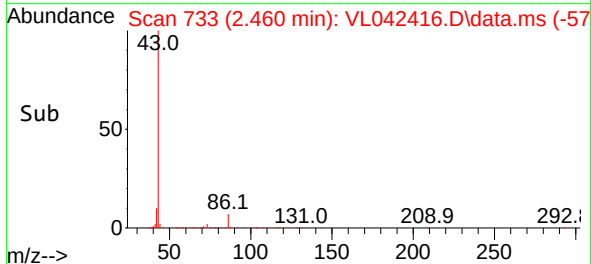
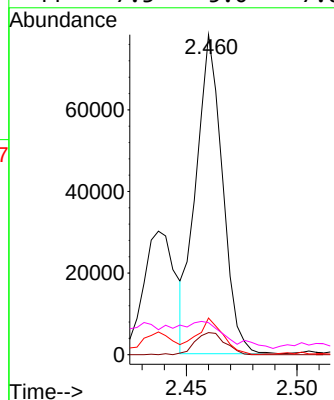
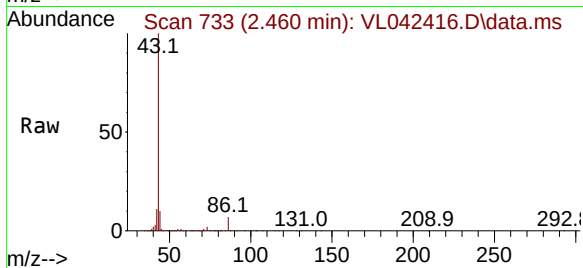




#23
 Vinyl Acetate
 Concen: 8.030 ppbv
 RT: 2.460 min Scan# 716
 Delta R.T. -0.000 min
 Lab File: VL042416.D
 Acq: 28 Apr 2025 08:44

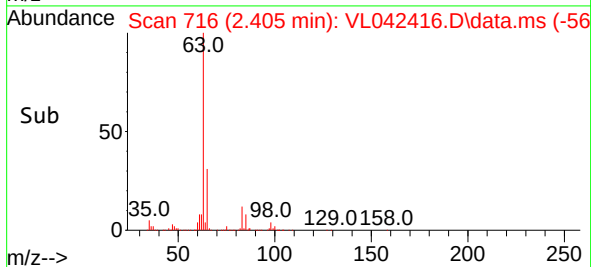
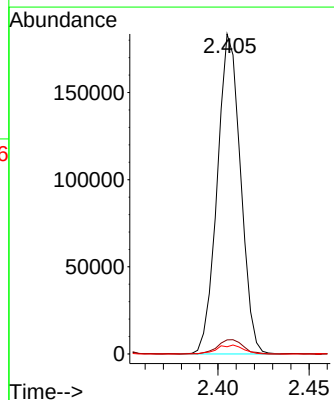
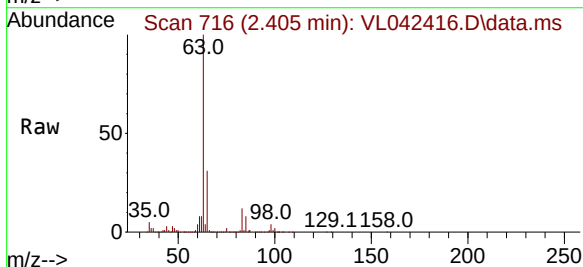
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

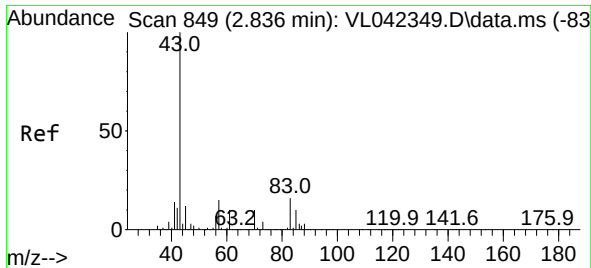
Tgt Ion:	43	Resp:	64907
Ion	Ratio	Lower	Upper
43	100		
86	6.9	6.5	9.7
42	11.1	7.8	11.8
44	7.3	5.0	7.6



#24
 1,1-Dichloroethane
 Concen: 9.634 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.003 min
 Lab File: VL042416.D
 Acq: 28 Apr 2025 08:44

Tgt Ion:	63	Resp:	163124
Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.3	6.8
100	2.2	1.6	4.8



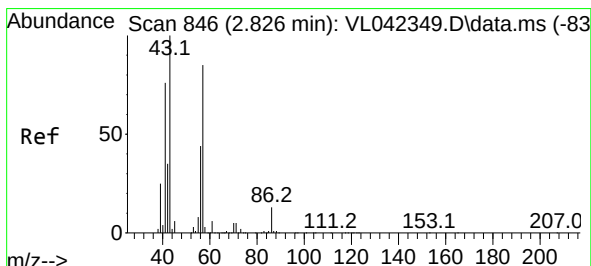
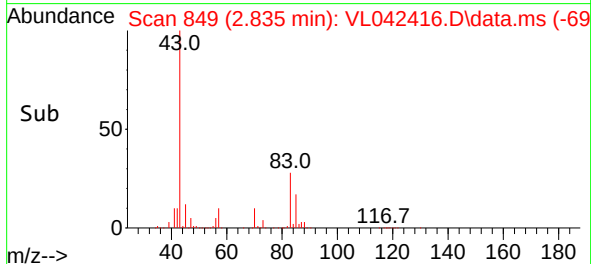
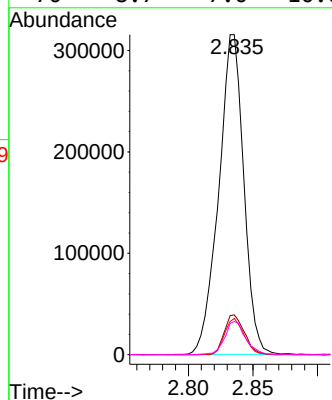
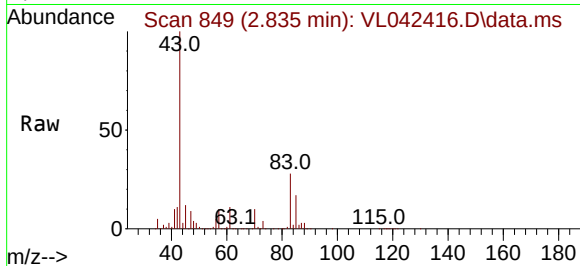


#25
Ethyl Acetate
Concen: 8.634 ppbv
RT: 2.835 min Scan# 849
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 425121

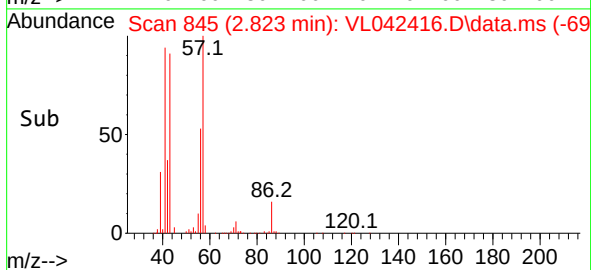
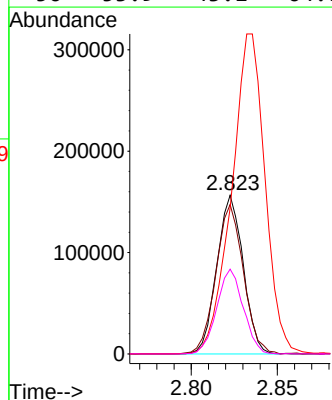
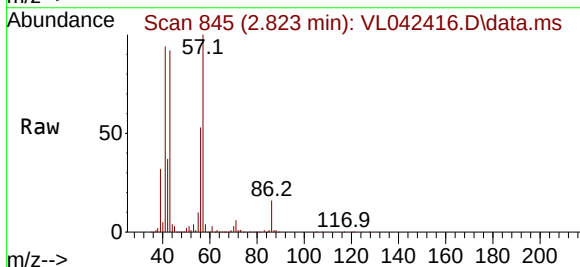
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.3	12.5
61	8.9	7.3	10.9
70	8.7	7.0	10.6

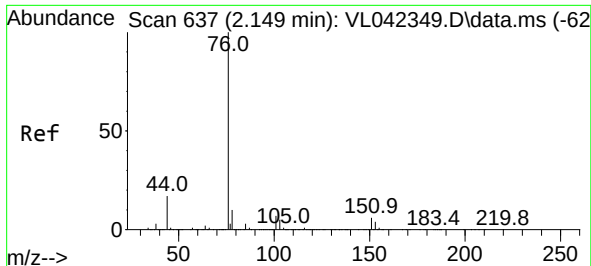


#26
Hexane
Concen: 8.370 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 57 Resp: 166789

Ion	Ratio	Lower	Upper
57	100		
41	98.4	77.9	116.9
43	256.1	208.4	312.6
56	53.9	43.1	64.7

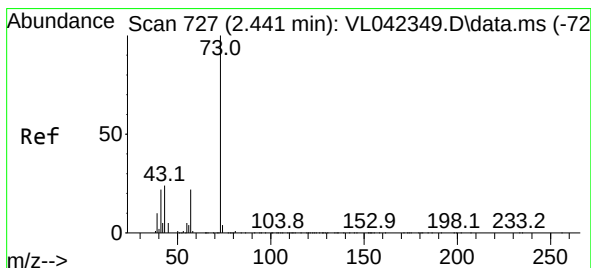
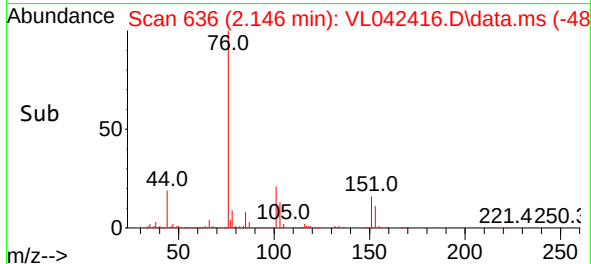
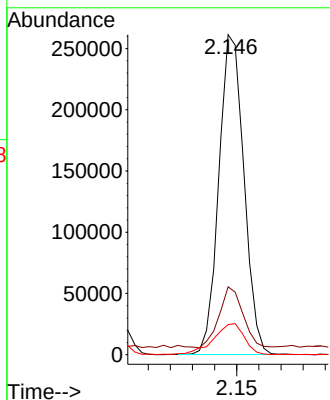
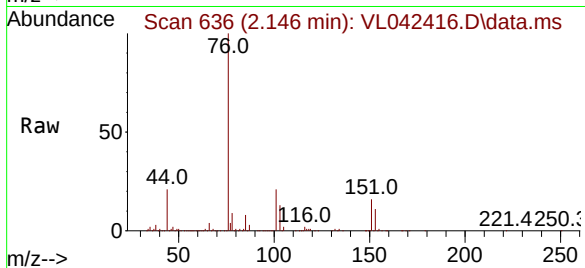




#27
Carbon Disulfide
Concen: 9.637 ppbv
RT: 2.146 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

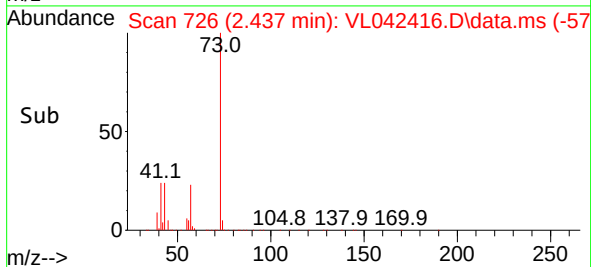
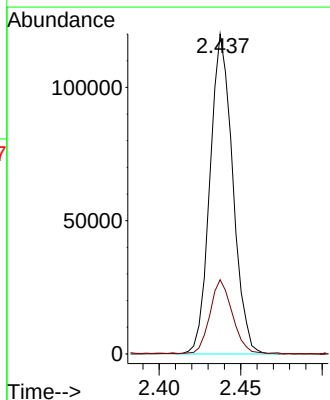
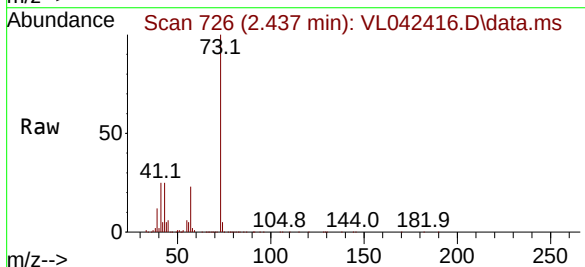
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

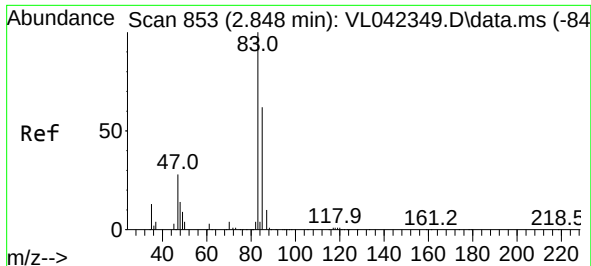
Tgt Ion: 76 Resp: 205605
Ion Ratio Lower Upper
76 100
44 22.2 15.5 23.3
78 12.1 9.3 13.9



#28
Methyl tert-Butyl Ether
Concen: 8.922 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 73 Resp: 116474
Ion Ratio Lower Upper
73 100
57 23.1 21.3 31.9





#29

Chloroform

Concen: 9.975 ppbv

RT: 2.845 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL042416.D

Acq: 28 Apr 2025 08:44

Instrument :

MSVOA_L

ClientSampleId :

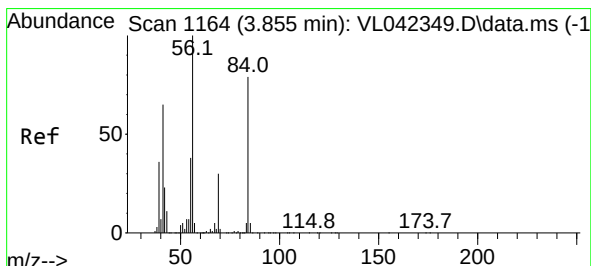
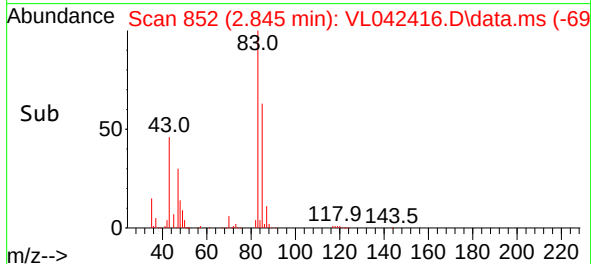
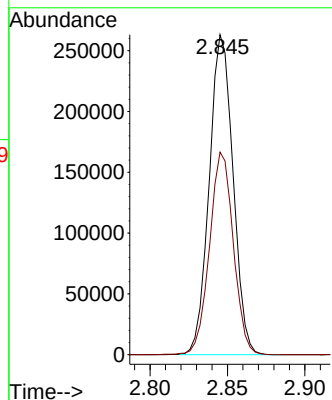
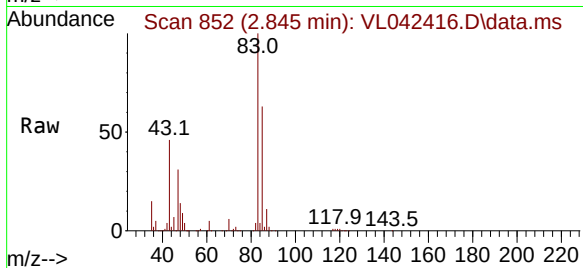
VSTDCCC010

Tgt Ion: 83 Resp: 280938

Ion Ratio Lower Upper

83 100

85 63.3 50.0 75.0



#30

Cyclohexane

Concen: 8.849 ppbv

RT: 3.852 min Scan# 1163

Delta R.T. -0.003 min

Lab File: VL042416.D

Acq: 28 Apr 2025 08:44

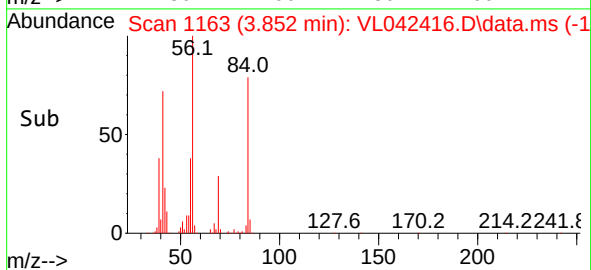
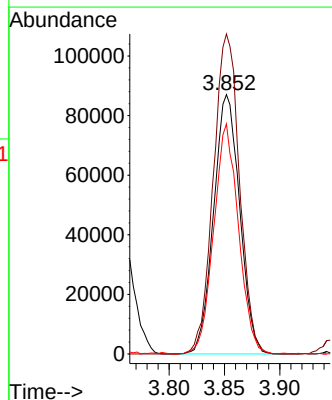
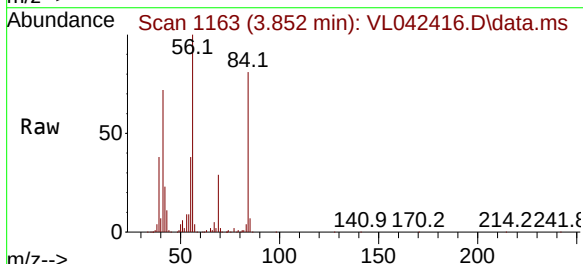
Tgt Ion: 84 Resp: 142532

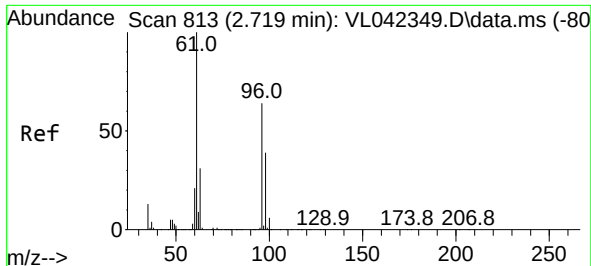
Ion Ratio Lower Upper

84 100

56 123.7 101.0 151.4

41 84.7 67.4 101.0

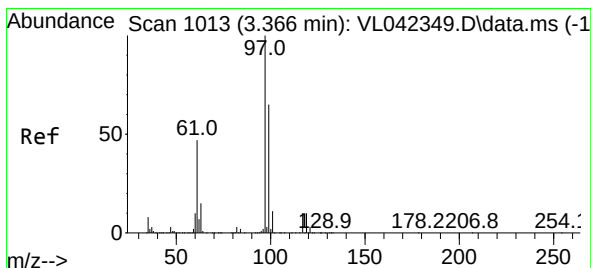
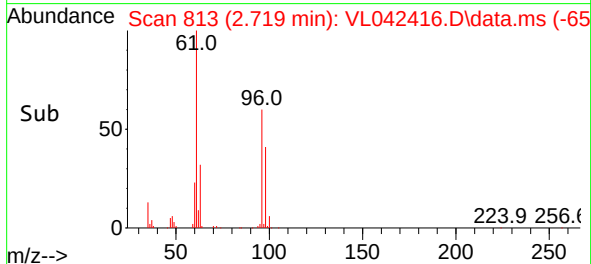
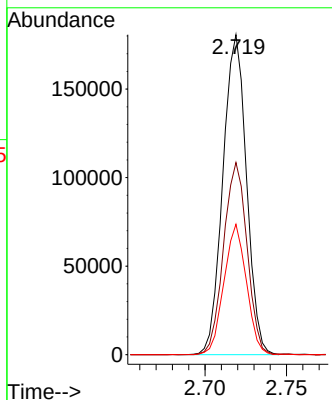
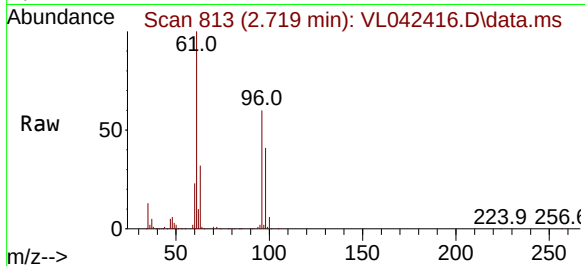




#31
 cis-1,2-Dichloroethene
 Concen: 9.581 ppbv
 RT: 2.719 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VL042416.D
 Acq: 28 Apr 2025 08:44

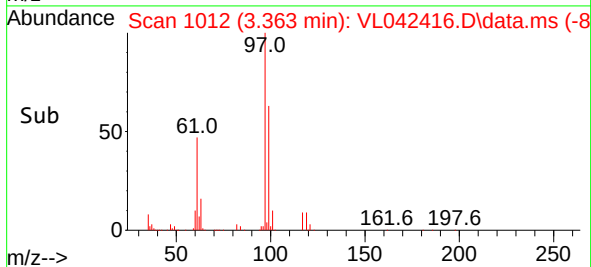
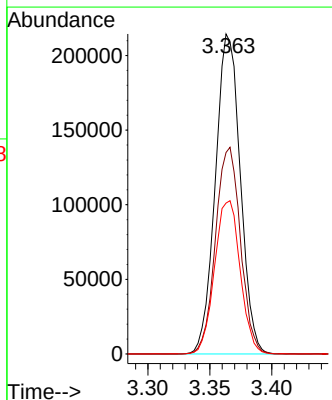
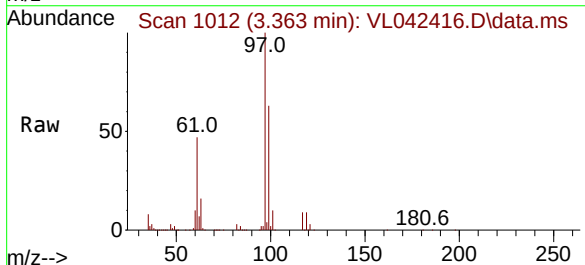
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

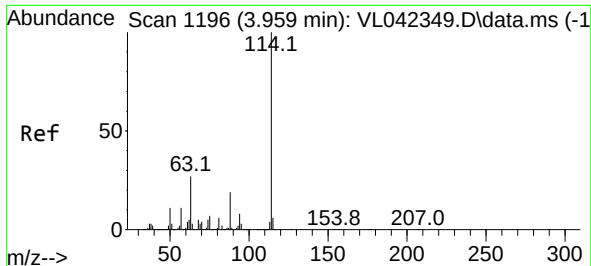
Tgt Ion: 61 Resp: 181514
 Ion Ratio Lower Upper
 61 100
 96 60.1 50.8 76.2
 98 40.8 30.9 46.3



#32
 1,1,1-Trichloroethane
 Concen: 9.501 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. -0.003 min
 Lab File: VL042416.D
 Acq: 28 Apr 2025 08:44

Tgt Ion: 97 Resp: 301259
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.0 76.4
 61 49.3 38.8 58.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. -0.003 min

Lab File: VL042416.D

Acq: 28 Apr 2025 08:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

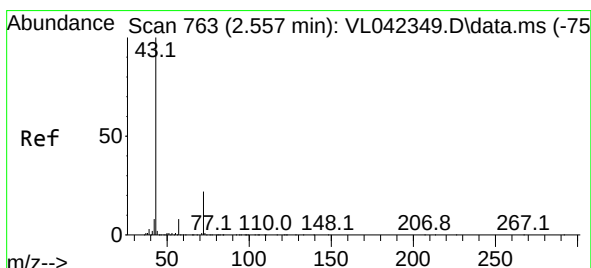
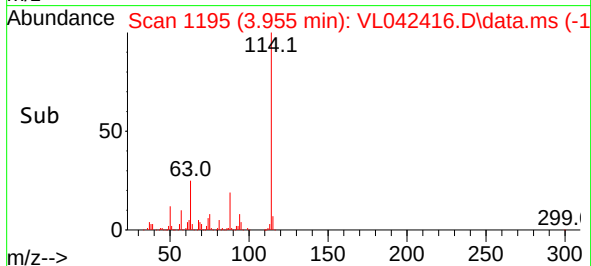
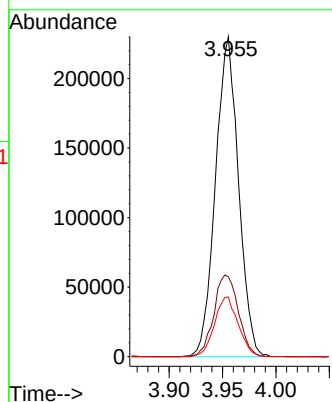
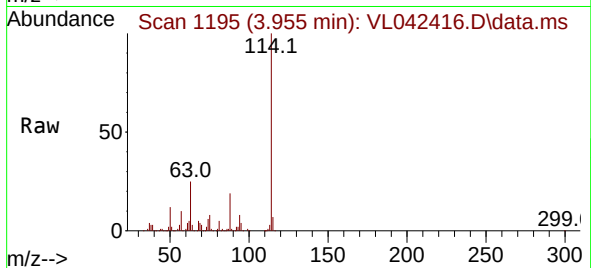
Tgt Ion:114 Resp: 345031

Ion Ratio Lower Upper

114 100

63 27.2 21.8 32.6

88 19.2 15.5 23.3



#34

2-Butanone

Concen: 8.834 ppbv

RT: 2.554 min Scan# 762

Delta R.T. -0.003 min

Lab File: VL042416.D

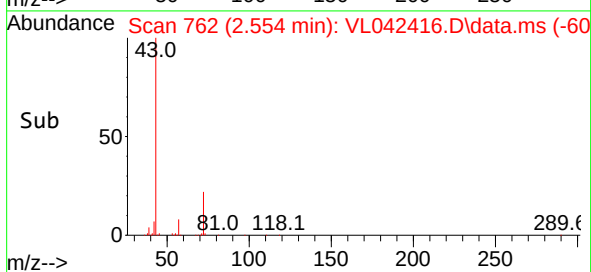
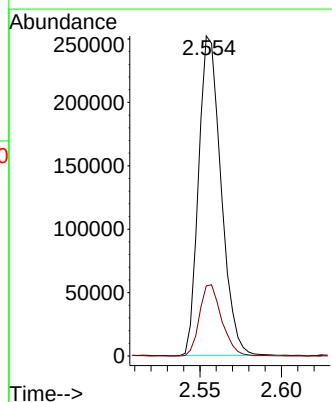
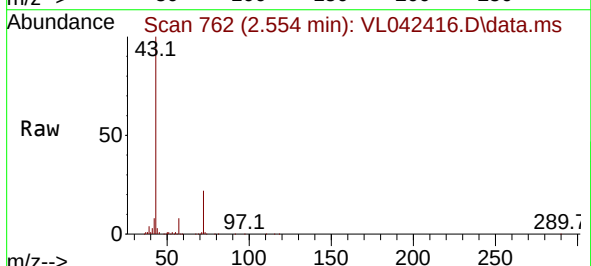
Acq: 28 Apr 2025 08:44

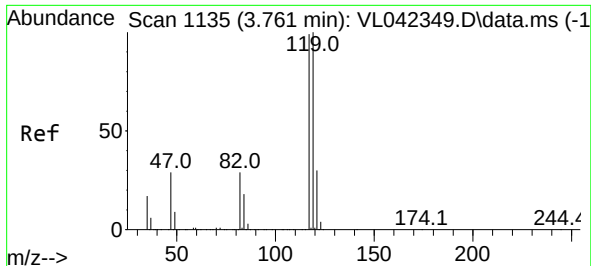
Tgt Ion: 43 Resp: 241047

Ion Ratio Lower Upper

43 100

72 22.1 18.2 27.2

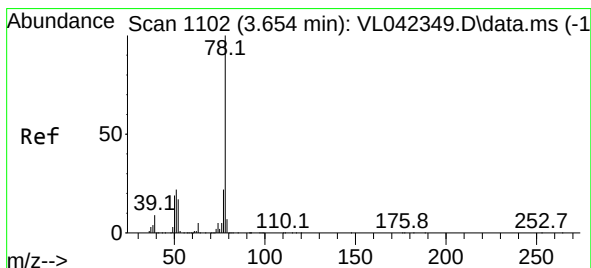
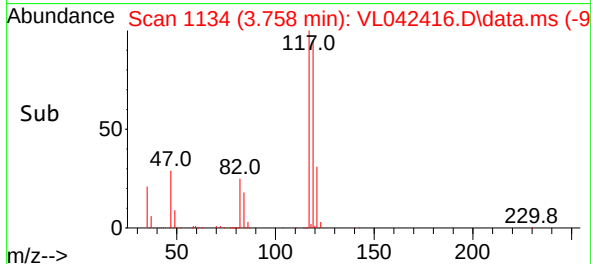
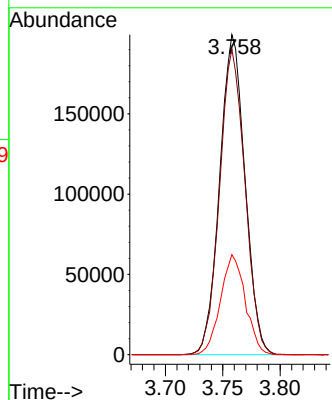
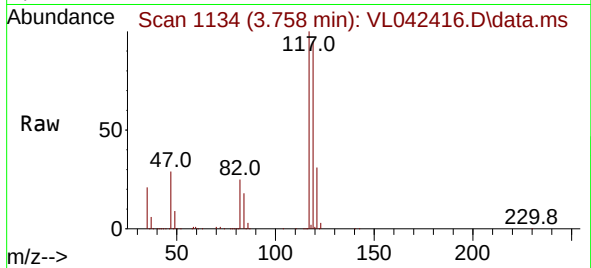




#35
Carbon Tetrachloride
Concen: 9.783 ppbv
RT: 3.758 min Scan# 1135
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

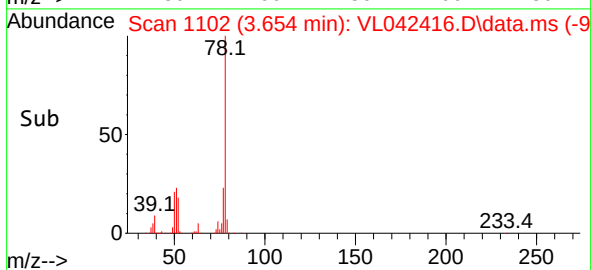
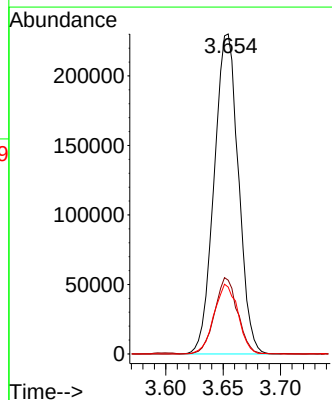
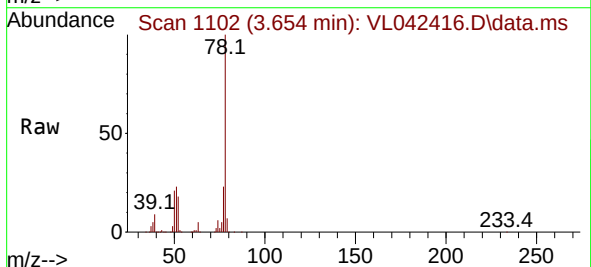
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

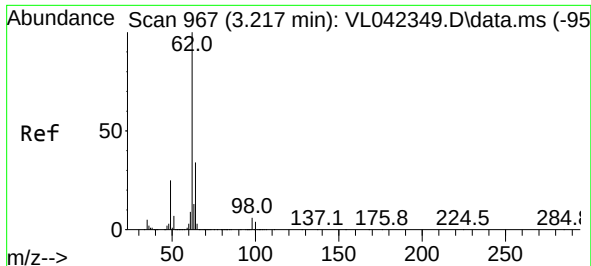
Tgt Ion:117 Resp: 305477
Ion Ratio Lower Upper
117 100
119 95.4 80.5 120.7
121 31.3 24.2 36.2



#36
Benzene
Concen: 9.102 ppbv
RT: 3.654 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 78 Resp: 338736
Ion Ratio Lower Upper
78 100
77 23.0 17.4 26.0
50 20.9 15.5 23.3





#37

1,2-Dichloroethane

Concen: 10.564 ppbv

RT: 3.214 min Scan# 9

Delta R.T. -0.003 min

Lab File: VL042416.D

Acq: 28 Apr 2025 08:44

Instrument :

MSVOA_1

ClientSampleId :

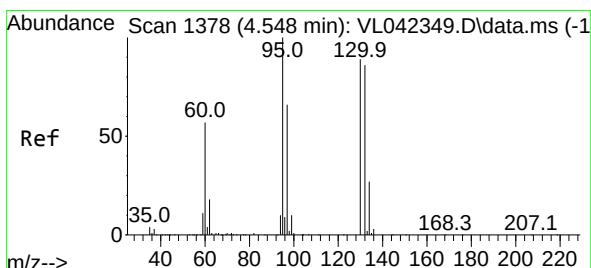
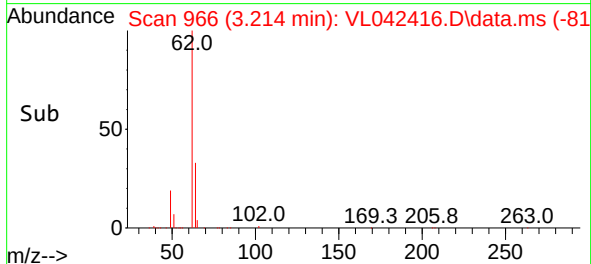
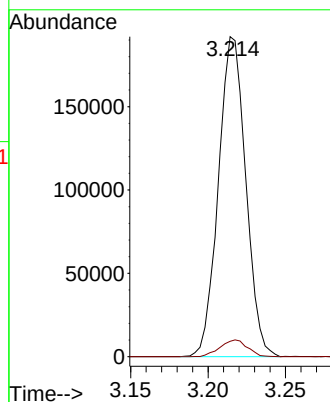
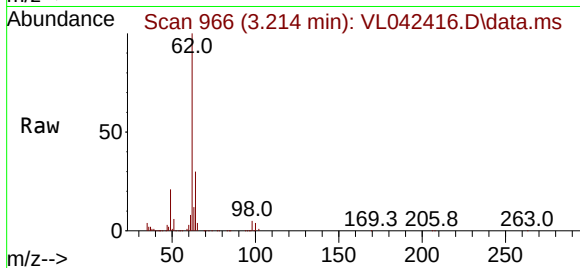
VSTDCCC010

Tgt Ion: 62 Resp: 235966

Ion Ratio Lower Upper

62 100

98 5.3 5.1 7.7



#38

Trichloroethene

Concen: 8.406 ppbv

RT: 4.541 min Scan# 1376

Delta R.T. -0.007 min

Lab File: VL042416.D

Acq: 28 Apr 2025 08:44

Tgt Ion:130 Resp: 136731

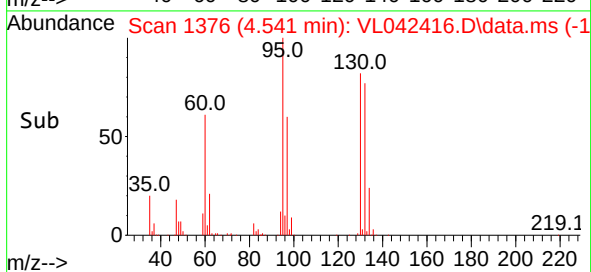
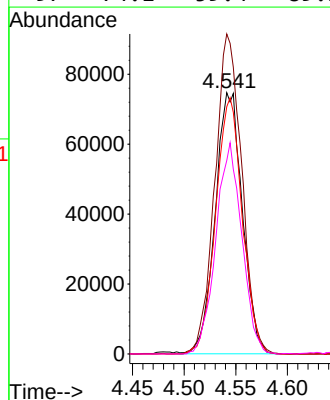
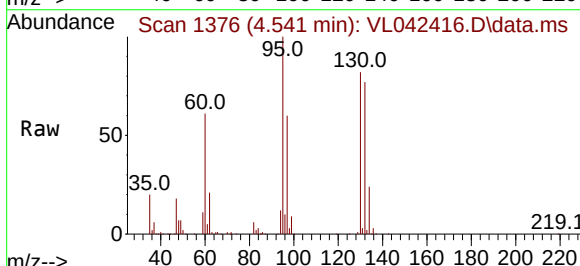
Ion Ratio Lower Upper

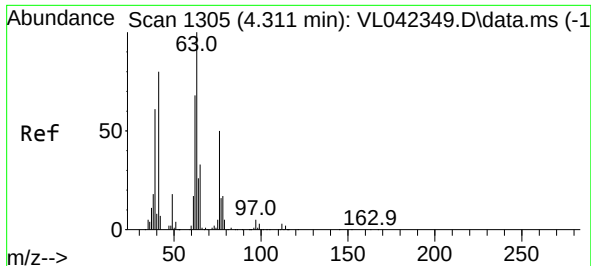
130 100

95 122.5 89.8 134.6

132 94.7 77.7 116.5

97 74.1 59.4 89.2





#39

1,2-Dichloropropane

Concen: 8.813 ppbv

RT: 4.308 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL042416.D

Acq: 28 Apr 2025 08:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

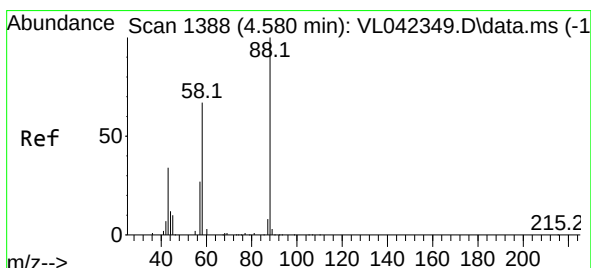
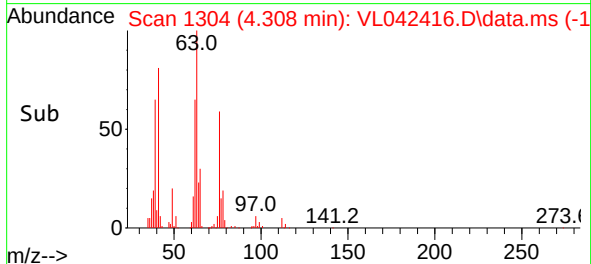
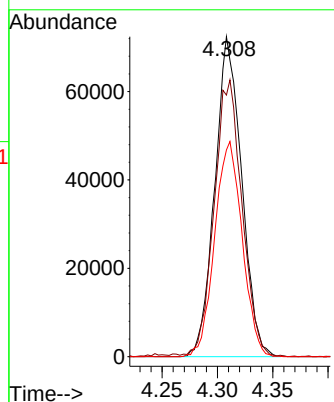
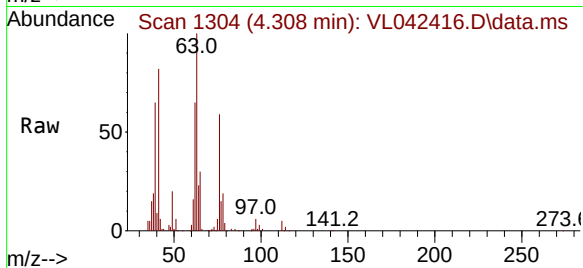
Tgt Ion: 63 Resp: 122213

Ion Ratio Lower Upper

63 100

41 81.2 64.2 96.2

62 64.6 54.3 81.5



#40

1,4-Dioxane

Concen: 7.720 ppbv

RT: 4.577 min Scan# 1387

Delta R.T. -0.003 min

Lab File: VL042416.D

Acq: 28 Apr 2025 08:44

Tgt Ion: 88 Resp: 58837

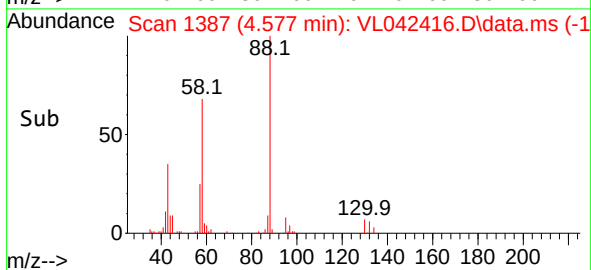
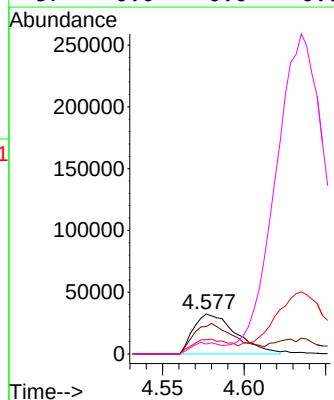
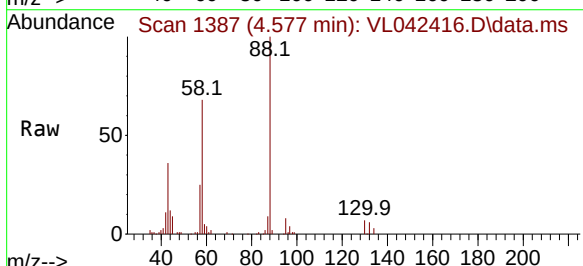
Ion Ratio Lower Upper

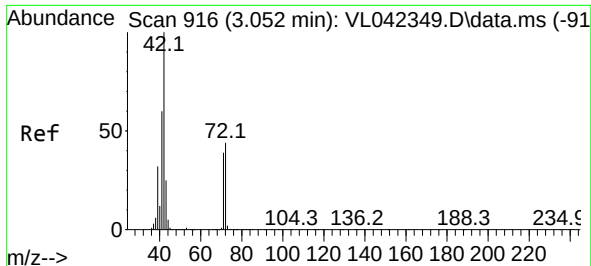
88 100

58 74.2 61.4 92.0

43 35.3 23.2 34.8#

57 0.0 0.0 0.0

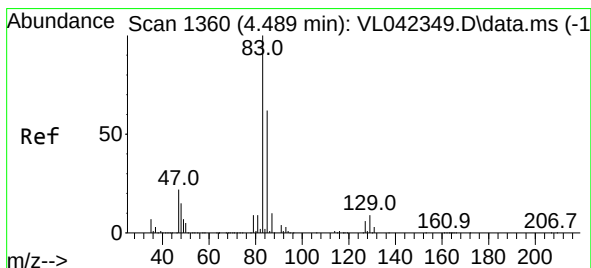
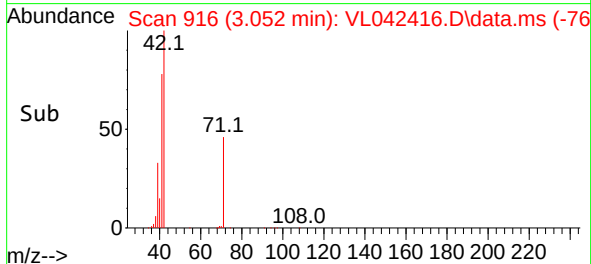
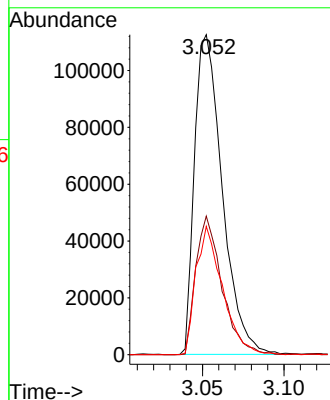
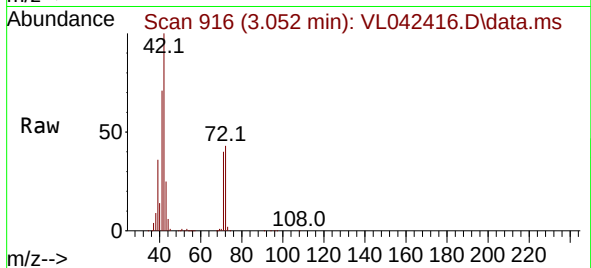




#41
Tetrahydrofuran
Concen: 8.363 ppbv
RT: 3.052 min Scan# 916
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

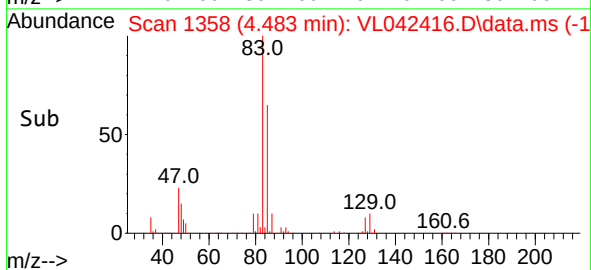
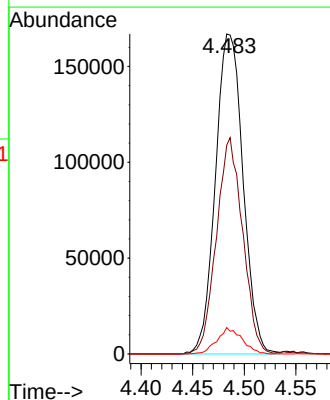
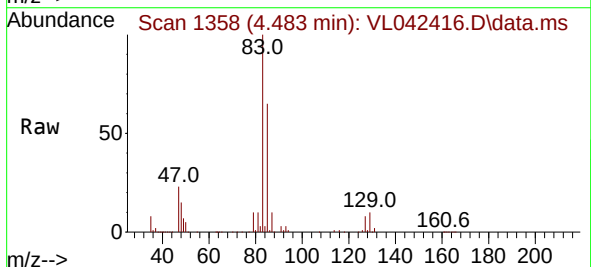
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

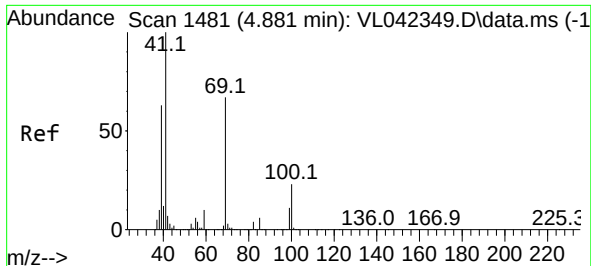
Tgt Ion: 42 Resp: 133063
Ion Ratio Lower Upper
42 100
72 41.2 32.3 48.5
71 38.8 31.4 47.2



#42
Bromodichloromethane
Concen: 9.996 ppbv
RT: 4.483 min Scan# 1358
Delta R.T. -0.006 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 83 Resp: 310726
Ion Ratio Lower Upper
83 100
85 65.3 49.7 74.5
127 8.3 5.1 7.7#

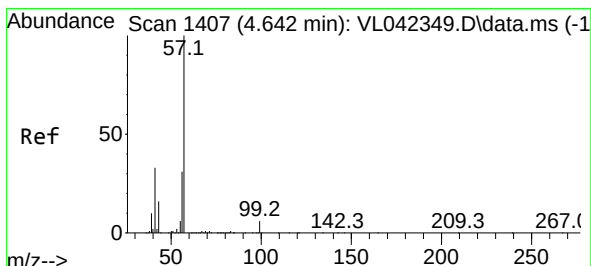
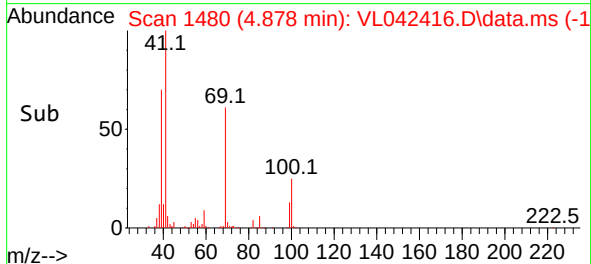
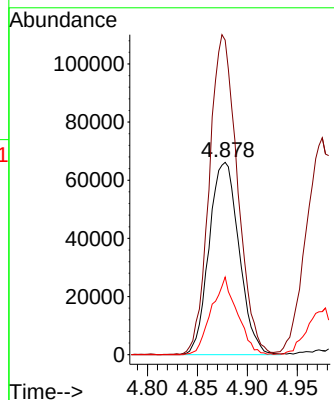
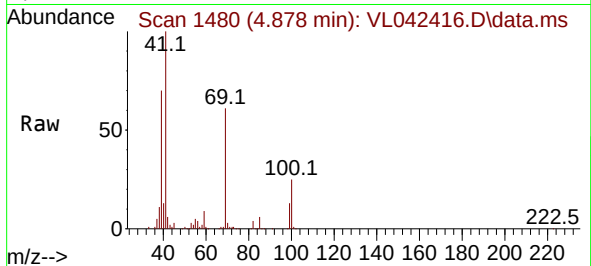




#43
Methyl Methacrylate
Concen: 8.230 ppbv
RT: 4.878 min Scan# 1480
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

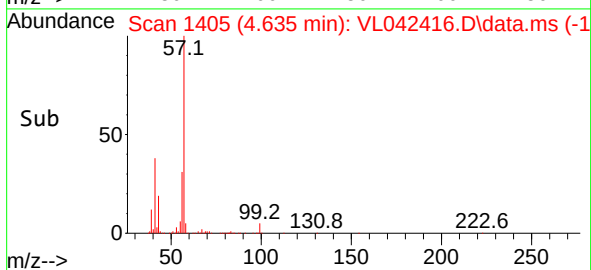
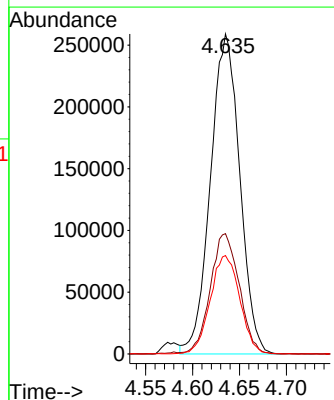
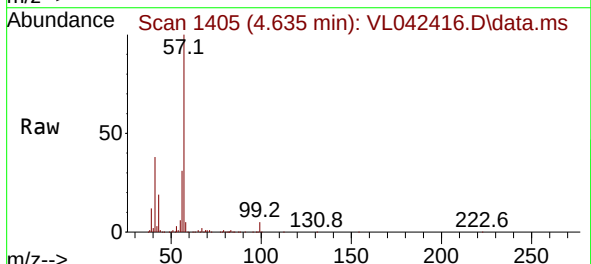
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

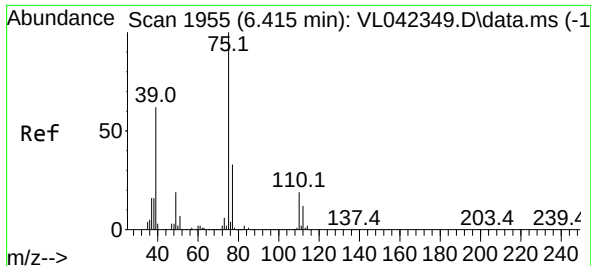
Tgt Ion: 69 Resp: 138030
Ion Ratio Lower Upper
69 100
41 156.8 118.6 177.8
100 34.8 28.2 42.2



#44
2,2,4-Trimethylpentane
Concen: 8.750 ppbv
RT: 4.635 min Scan# 1405
Delta R.T. -0.007 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 57 Resp: 562403
Ion Ratio Lower Upper
57 100
41 37.4 27.2 40.8
56 31.1 25.7 38.5

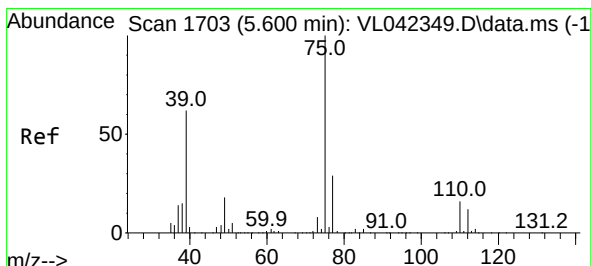
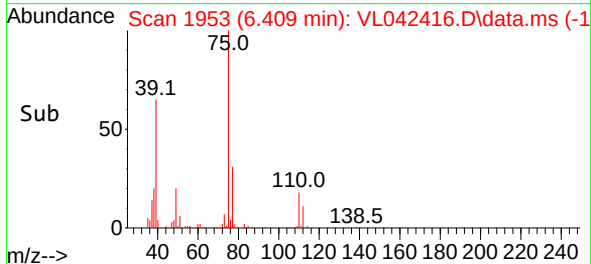
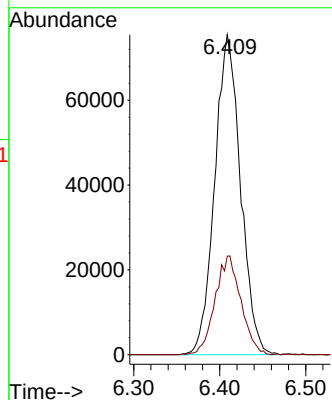
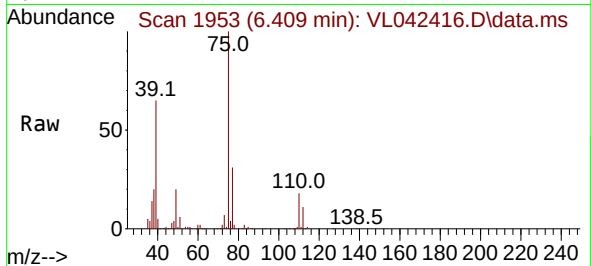




#45
t-1,3-Dichloropropene
Concen: 9.175 ppbv
RT: 6.409 min Scan# 1953
Delta R.T. -0.006 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

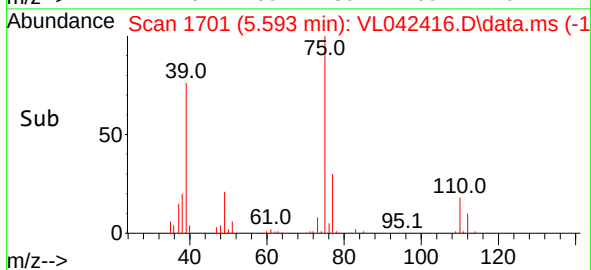
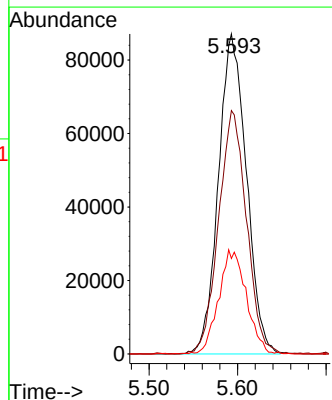
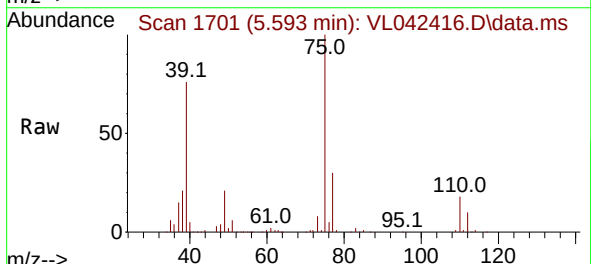
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

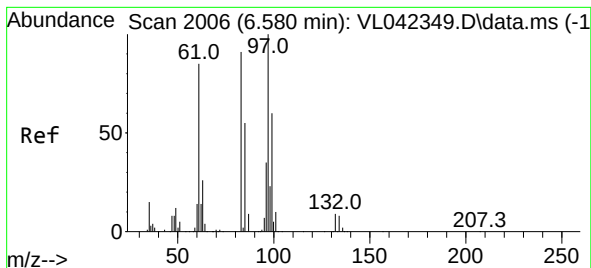
Tgt Ion: 75 Resp: 157191
Ion Ratio Lower Upper
75 100
77 30.8 27.0 40.6



#46
cis-1,3-Dichloropropene
Concen: 9.117 ppbv
RT: 5.593 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 75 Resp: 191165
Ion Ratio Lower Upper
75 100
39 75.9 50.0 75.0#
77 29.8 23.0 34.6





#47

1,1,2-Trichloroethane

Concen: 9.471 ppbv

RT: 6.574 min Scan# 2006

Delta R.T. -0.007 min

Lab File: VL042416.D

Acq: 28 Apr 2025 08:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 97 Resp: 133821

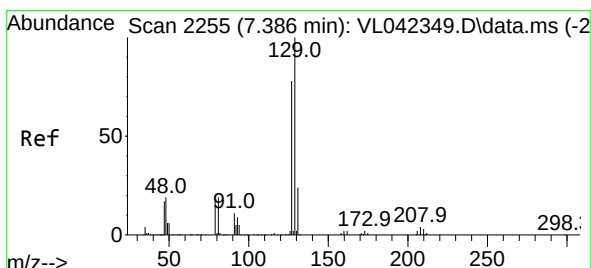
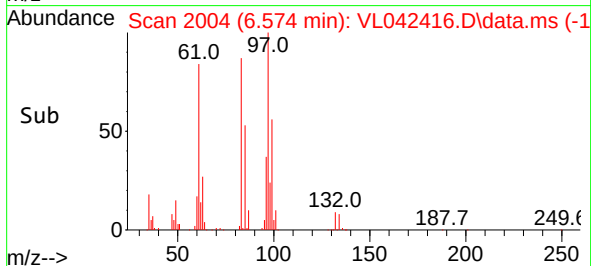
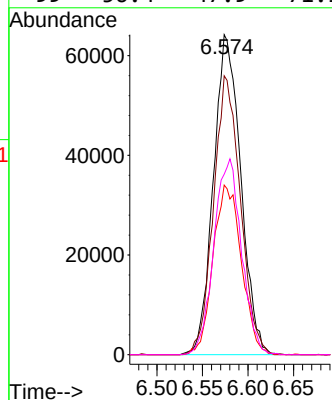
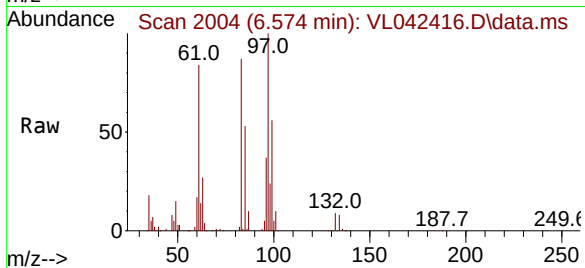
Ion Ratio Lower Upper

97 100

83 87.2 72.8 109.2

85 53.0 44.2 66.4

99 56.4 47.9 71.9



#48

Dibromochloromethane

Concen: 9.832 ppbv

RT: 7.383 min Scan# 2254

Delta R.T. -0.003 min

Lab File: VL042416.D

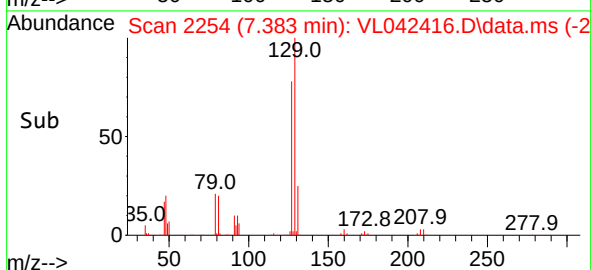
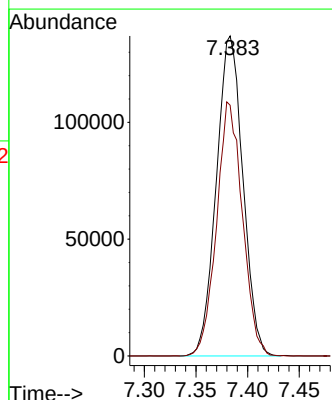
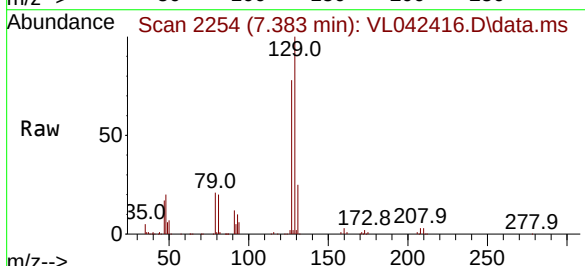
Acq: 28 Apr 2025 08:44

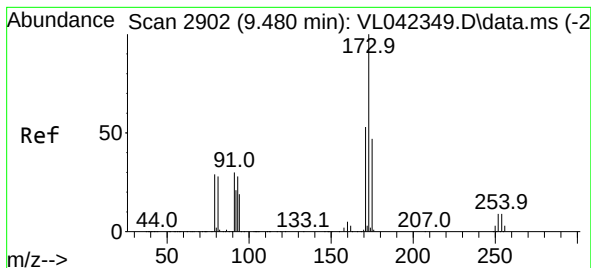
Tgt Ion: 129 Resp: 245439

Ion Ratio Lower Upper

129 100

127 77.0 39.1 117.3





#49

Bromoform

Concen: 9.117 ppbv

RT: 9.480 min Scan# 2902

Delta R.T. -0.000 min

Lab File: VL042416.D

Acq: 28 Apr 2025 08:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

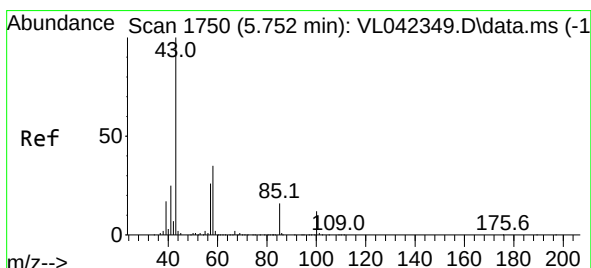
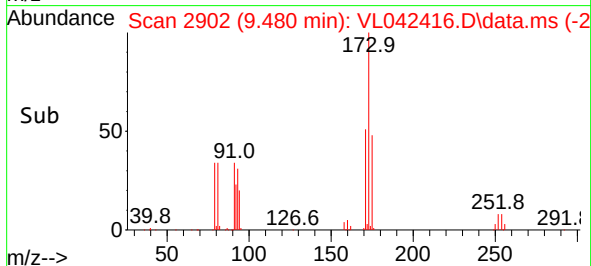
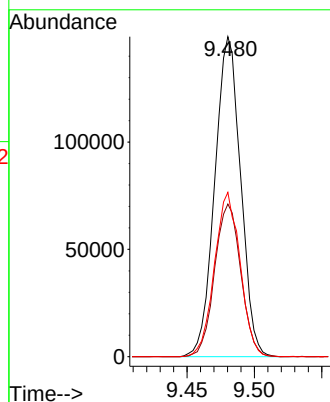
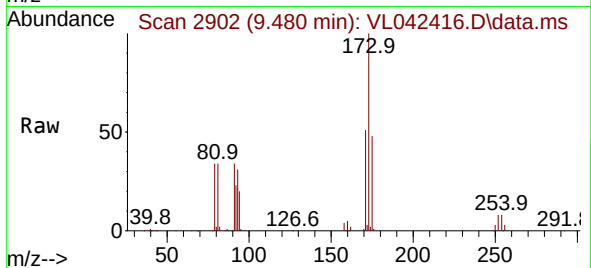
Tgt Ion:173 Resp: 198991

Ion Ratio Lower Upper

173 100

175 48.2 38.2 57.2

171 51.0 40.9 61.3



#50

4-Methyl-2-Pentanone

Concen: 7.854 ppbv

RT: 5.748 min Scan# 1749

Delta R.T. -0.003 min

Lab File: VL042416.D

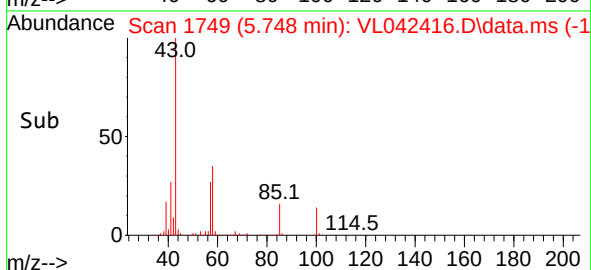
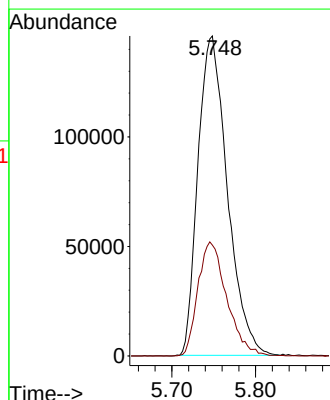
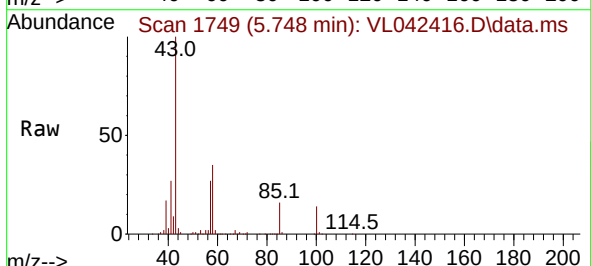
Acq: 28 Apr 2025 08:44

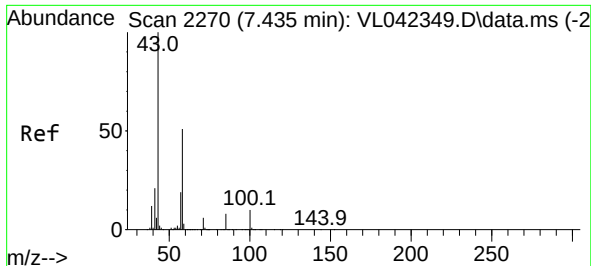
Tgt Ion: 43 Resp: 356129

Ion Ratio Lower Upper

43 100

58 35.1 28.6 43.0

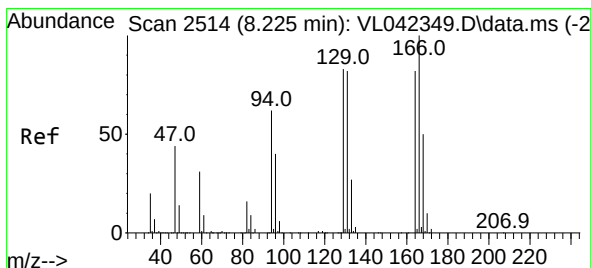
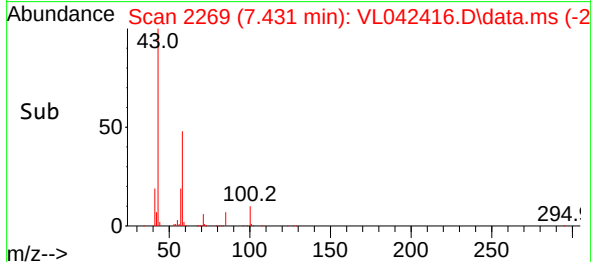
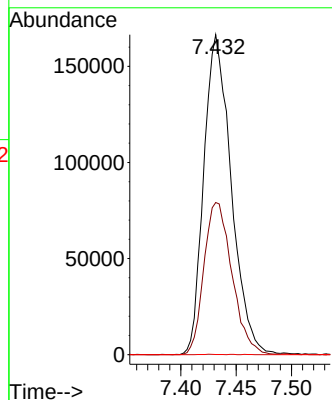
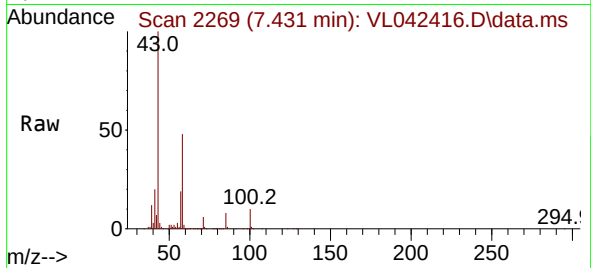




#51
2-Hexanone
Concen: 7.058 ppbv
RT: 7.431 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

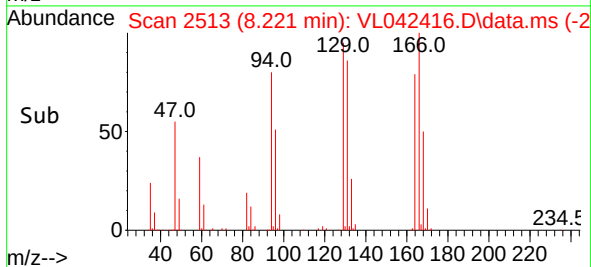
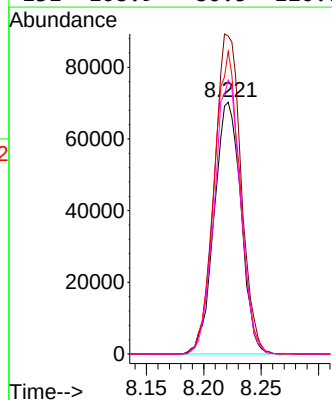
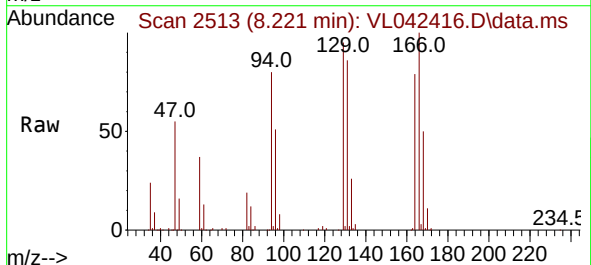
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

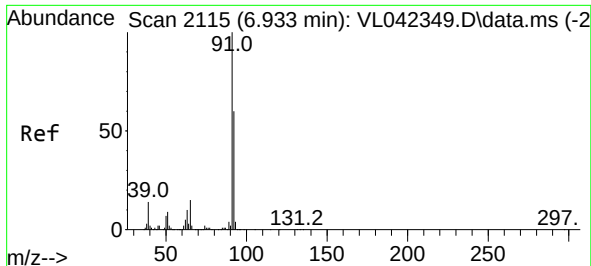
Tgt Ion: 43 Resp: 287045
Ion Ratio Lower Upper
43 100
58 48.8 40.2 60.4
98 0.1 0.1 0.1



#52
Tetrachloroethene
Concen: 7.928 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:164 Resp: 114038
Ion Ratio Lower Upper
164 100
166 126.3 98.2 147.2
129 120.3 81.8 122.8
131 108.9 80.5 120.7

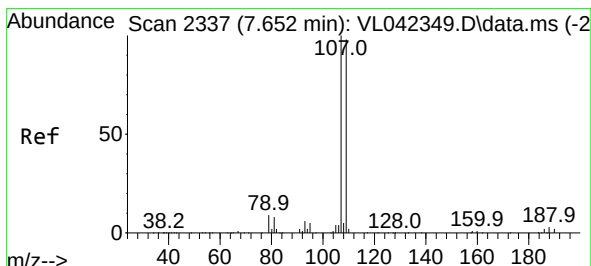
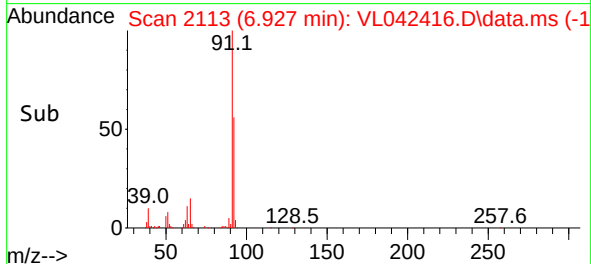
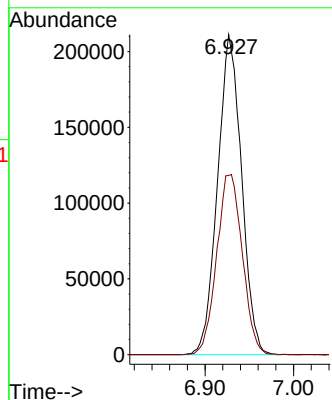
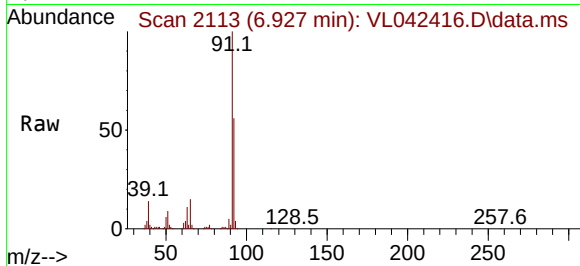




#53
Toluene
Concen: 8.916 ppbv
RT: 6.927 min Scan# 2113
Delta R.T. -0.006 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

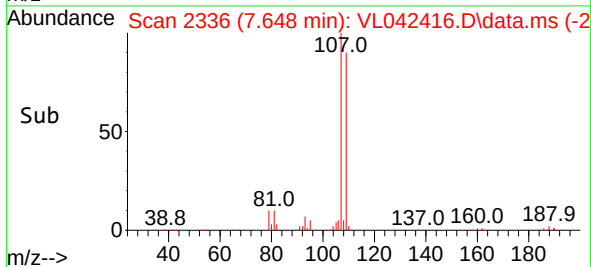
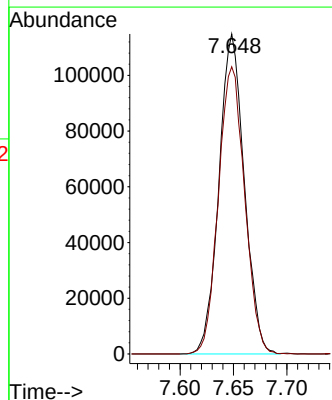
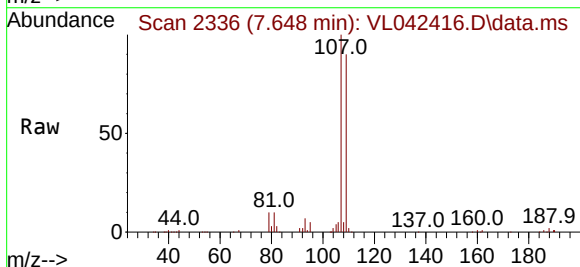
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

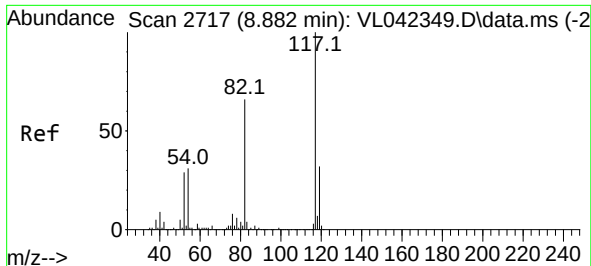
Tgt Ion: 91 Resp: 398162
Ion Ratio Lower Upper
91 100
92 60.2 48.2 72.4



#54
1,2-Dibromoethane
Concen: 9.378 ppbv
RT: 7.648 min Scan# 2336
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 107 Resp: 189639
Ion Ratio Lower Upper
107 100
109 89.8 78.2 117.4

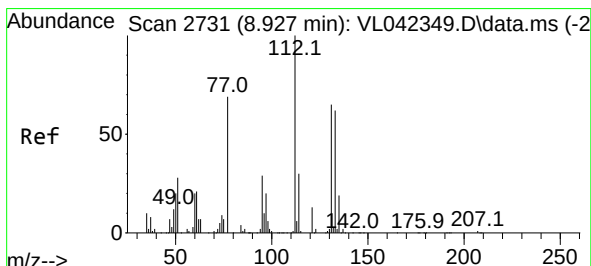
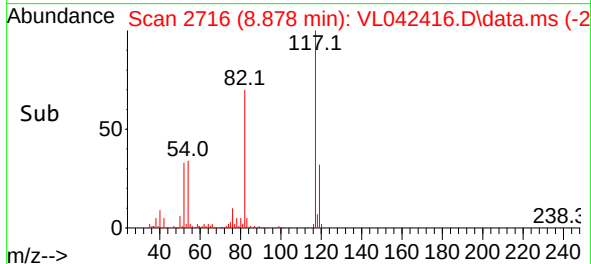
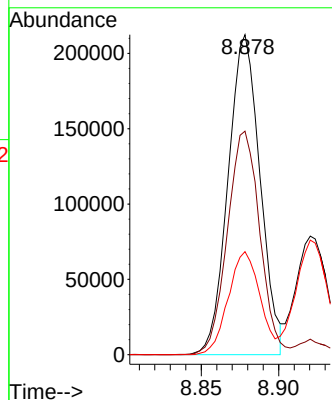
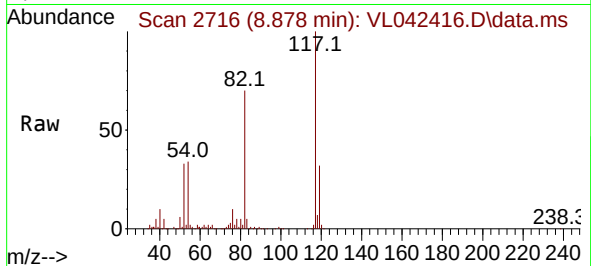




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2716
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

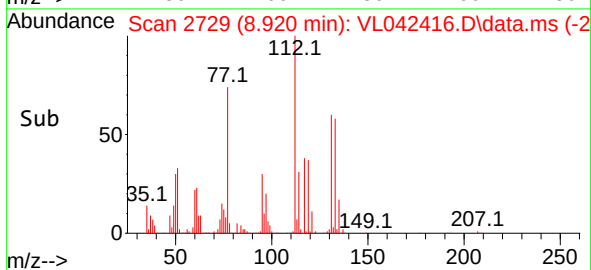
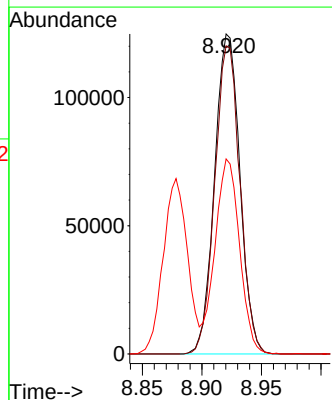
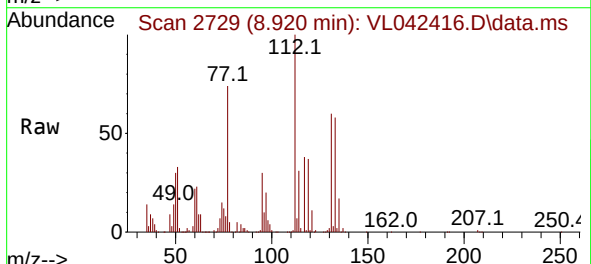
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

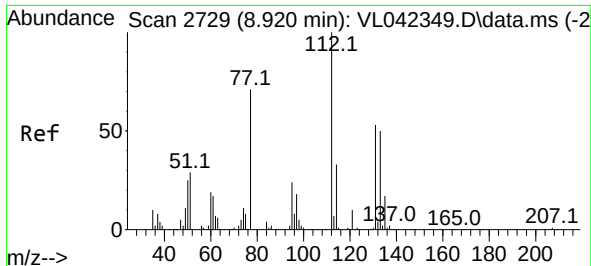
Tgt Ion:117 Resp: 305240
Ion Ratio Lower Upper
117 100
82 75.0 57.8 86.6
119 31.9 25.2 37.8



#56
1,1,1,2-Tetrachloroethane
Concen: 9.969 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. -0.007 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:131 Resp: 184161
Ion Ratio Lower Upper
131 100
133 95.8 78.3 117.5
119 58.3 48.7 73.1

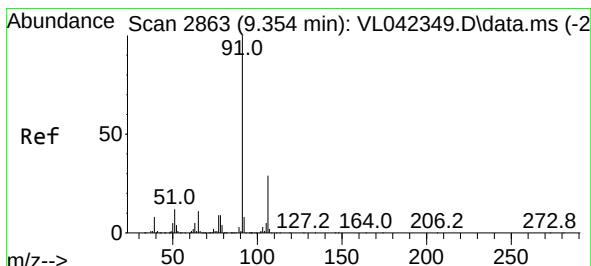
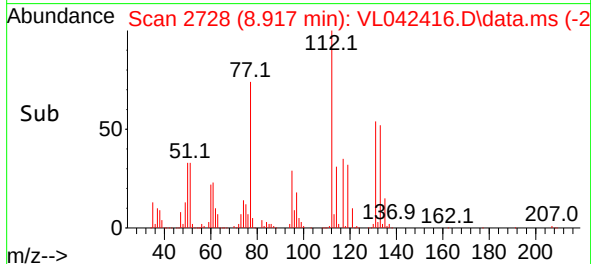
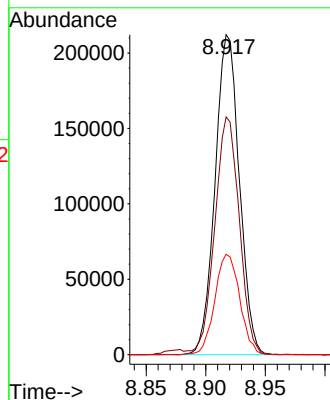
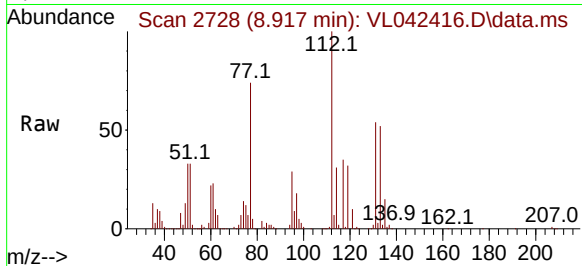




#57
Chlorobenzene
Concen: 9.471 ppbv
RT: 8.917 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

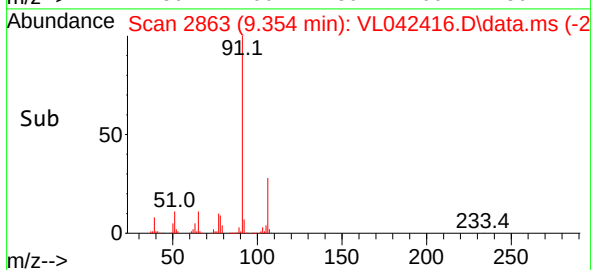
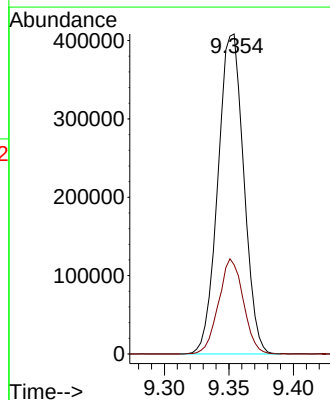
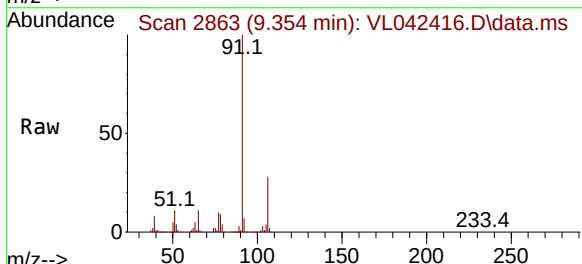
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

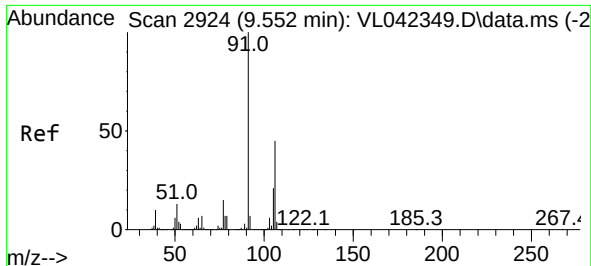
Tgt Ion:112 Resp: 300677
Ion Ratio Lower Upper
112 100
77 74.3 57.8 86.6
114 31.4 29.3 35.9



#58
Ethyl Benzene
Concen: 9.394 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 91 Resp: 568129
Ion Ratio Lower Upper
91 100
106 27.8 23.0 34.4





#59

m/p-Xylene

Concen: 8.998 ppbv

RT: 9.548 min Scan# 2924

Delta R.T. -0.003 min

Lab File: VL042416.D

Acq: 28 Apr 2025 08:44

Instrument :

MSVOA_L

ClientSampleId :

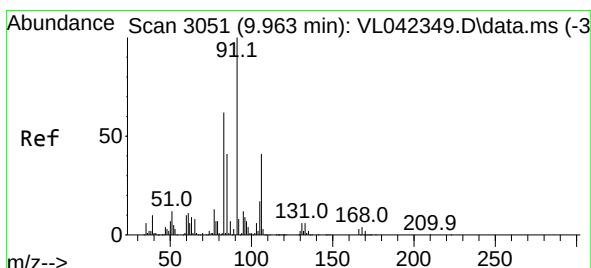
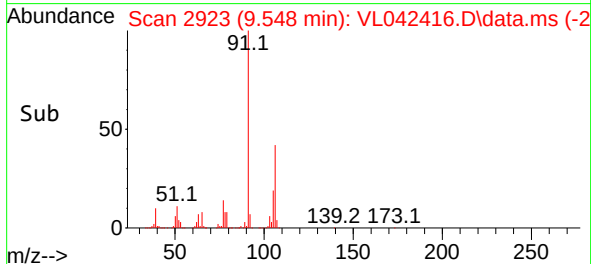
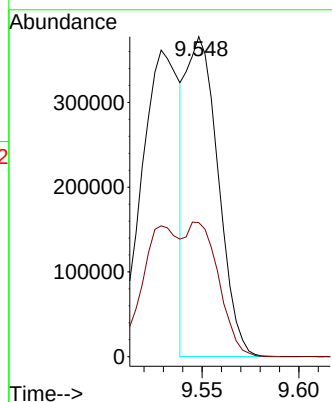
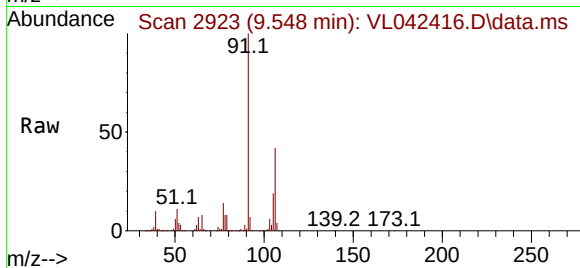
VSTDCCC010

Tgt Ion: 91 Resp: 438382

Ion Ratio Lower Upper

91 100

106 90.5 35.4 53.2#



#60

o-Xylene

Concen: 9.507 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VL042416.D

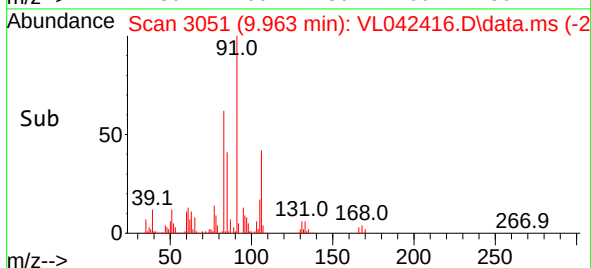
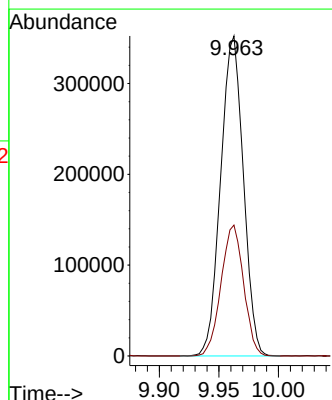
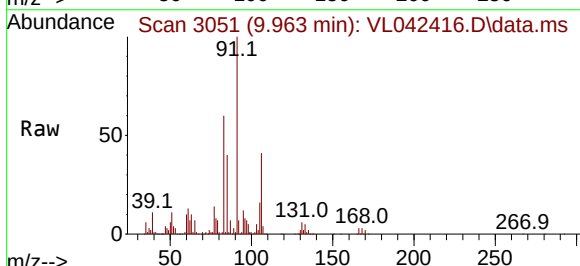
Acq: 28 Apr 2025 08:44

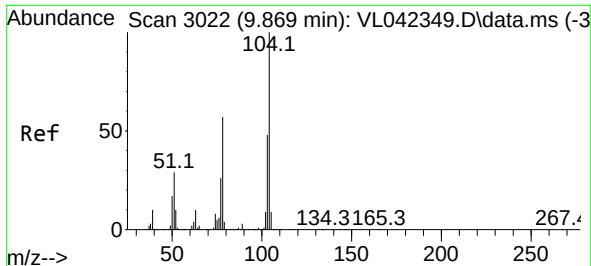
Tgt Ion: 91 Resp: 466411

Ion Ratio Lower Upper

91 100

106 40.6 21.1 63.4





#61

Styrene

Concen: 9.101 ppbv

RT: 9.865 min Scan# 3022

Delta R.T. -0.003 min

Lab File: VL042416.D

Acq: 28 Apr 2025 08:44

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

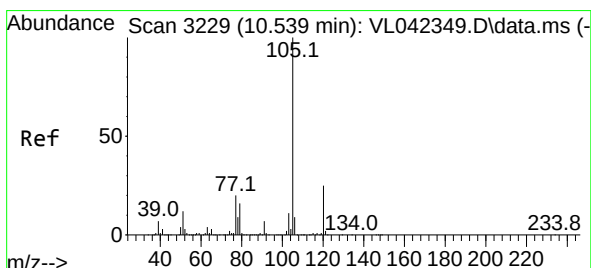
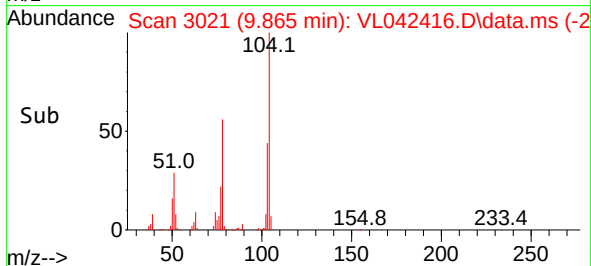
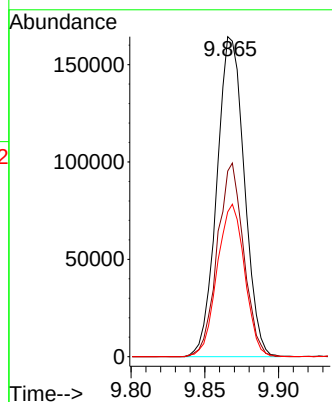
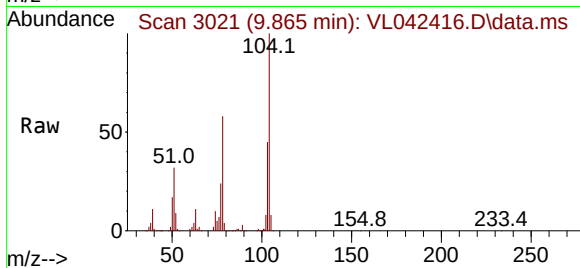
Tgt Ion:104 Resp: 213119

Ion Ratio Lower Upper

104 100

78 57.9 44.6 66.8

103 47.6 37.4 56.0



#62

Isopropylbenzene

Concen: 9.452 ppbv

RT: 10.535 min Scan# 3228

Delta R.T. -0.003 min

Lab File: VL042416.D

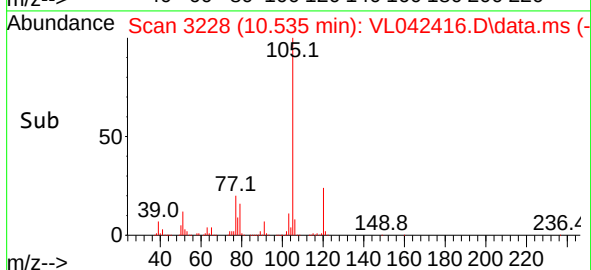
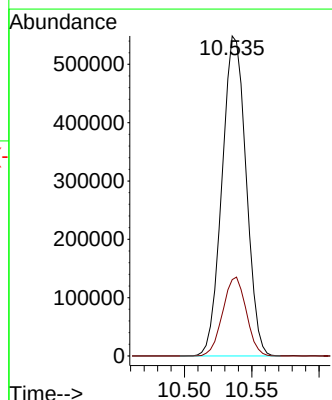
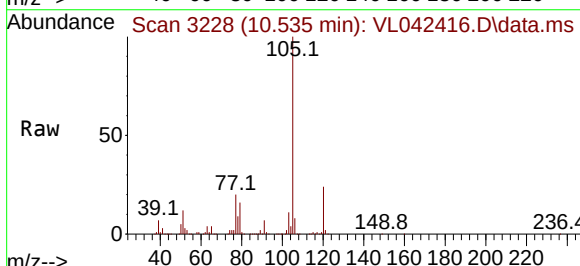
Acq: 28 Apr 2025 08:44

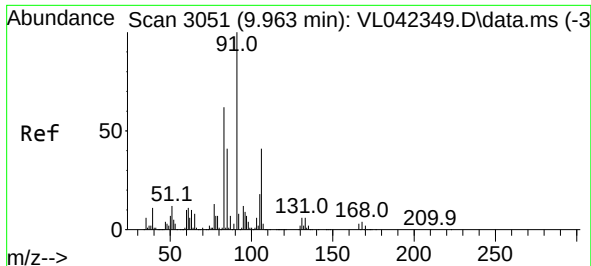
Tgt Ion:105 Resp: 680837

Ion Ratio Lower Upper

105 100

120 24.1 19.8 29.8





#63

1,1,2,2-Tetrachloroethane

Concen: 8.639 ppbv

RT: 9.959 min Scan# 3051

Delta R.T. -0.003 min

Lab File: VL042416.D

Acq: 28 Apr 2025 08:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

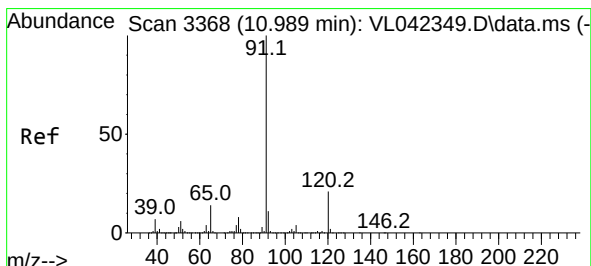
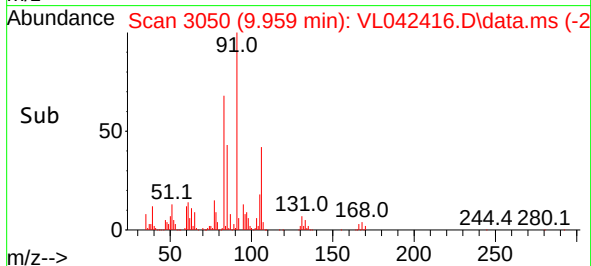
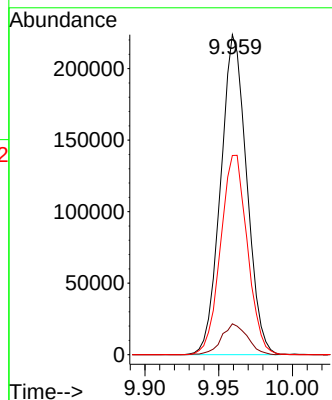
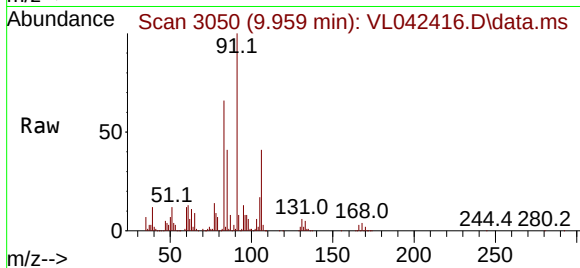
Tgt Ion: 83 Resp: 274653

Ion Ratio Lower Upper

83 100

131 9.6 4.5 13.7

85 64.2 32.4 97.0



#64

n-propylbenzene

Concen: 9.223 ppbv

RT: 10.989 min Scan# 3368

Delta R.T. -0.000 min

Lab File: VL042416.D

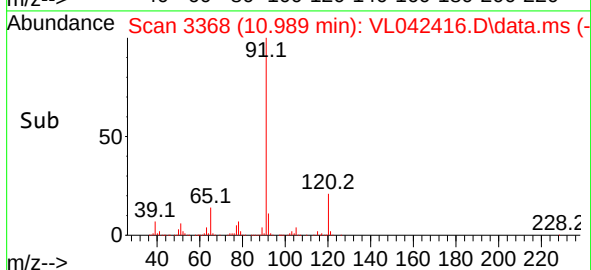
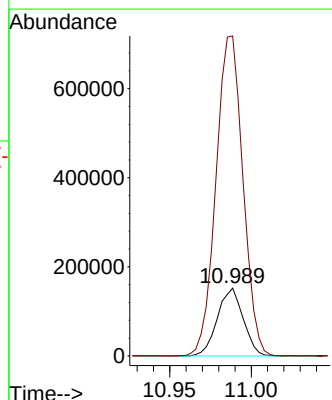
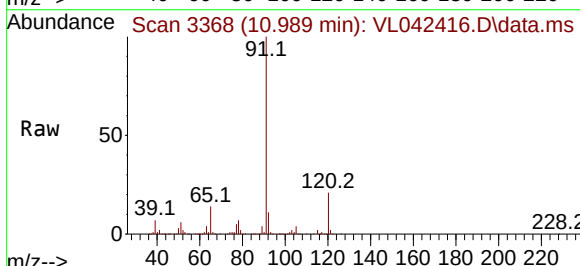
Acq: 28 Apr 2025 08:44

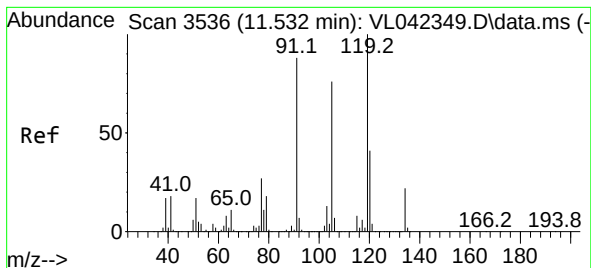
Tgt Ion:120 Resp: 166984

Ion Ratio Lower Upper

120 100

91 495.0 392.4 588.6





#65

tert-Butylbenzene

Concen: 9.219 ppbv

RT: 11.529 min Scan# 3535

Delta R.T. -0.003 min

Lab File: VL042416.D

Acq: 28 Apr 2025 08:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

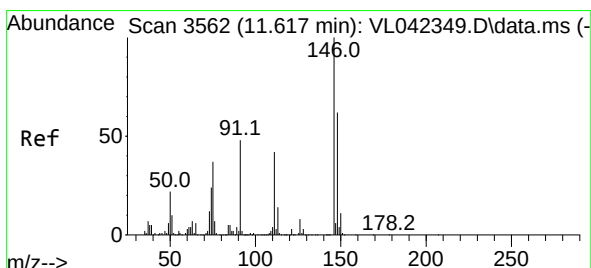
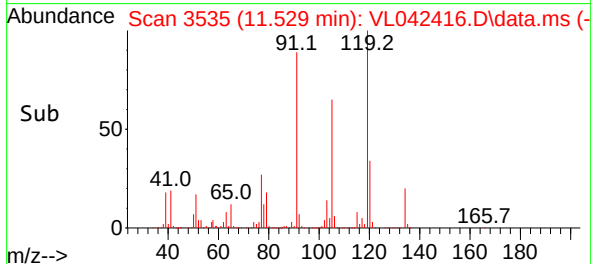
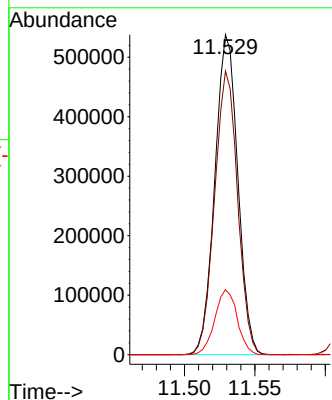
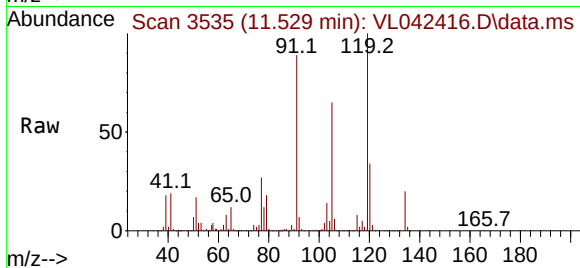
Tgt Ion:119 Resp: 610304

Ion Ratio Lower Upper

119 100

91 88.8 74.6 111.8

134 19.9 18.8 28.2



#66

Benzyl Chloride

Concen: 8.136 ppbv

RT: 11.613 min Scan# 3561

Delta R.T. -0.003 min

Lab File: VL042416.D

Acq: 28 Apr 2025 08:44

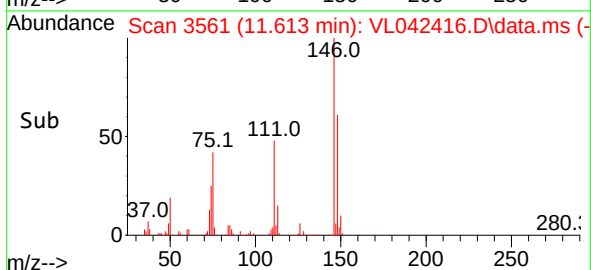
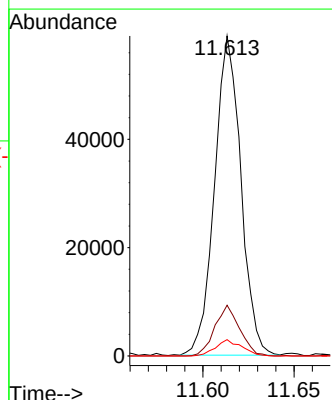
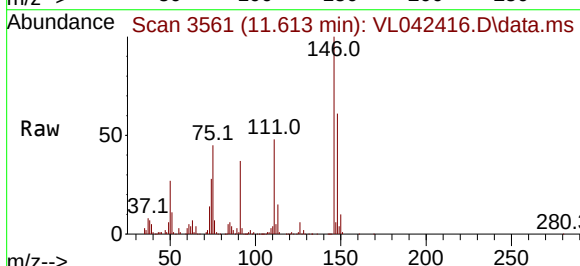
Tgt Ion: 91 Resp: 59187

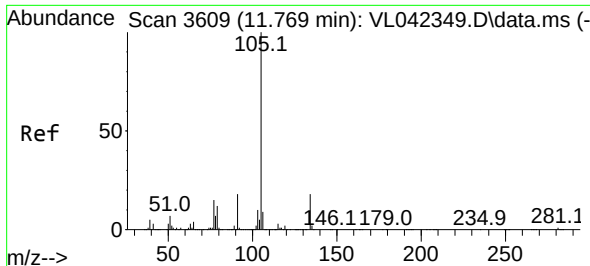
Ion Ratio Lower Upper

91 100

126 15.1 11.8 17.6

128 5.1 4.5 6.7

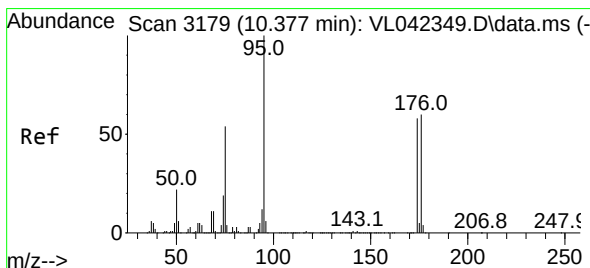
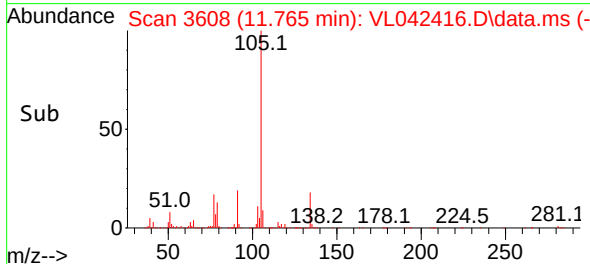
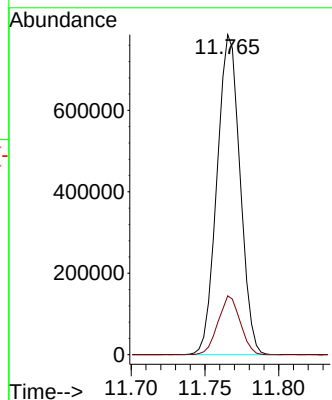
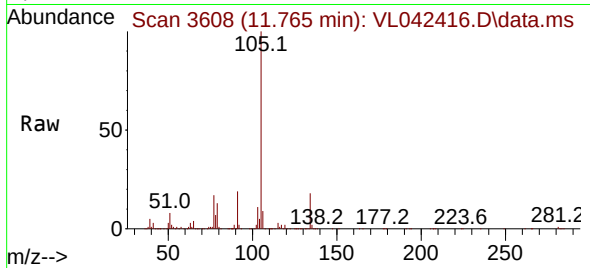




#67
 sec-Butylbenzene
 Concen: 9.276 ppbv
 RT: 11.765 min Scan# 3178
 Delta R.T. -0.003 min
 Lab File: VL042416.D
 Acq: 28 Apr 2025 08:44

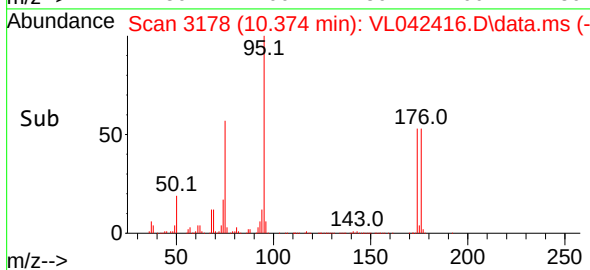
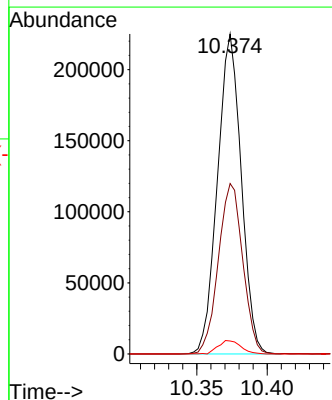
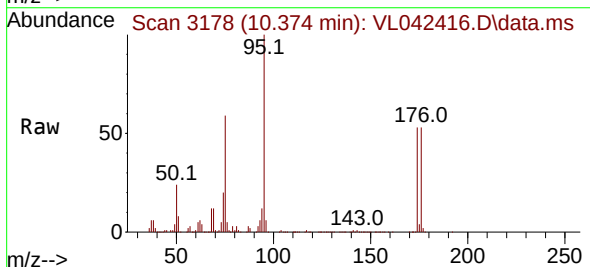
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

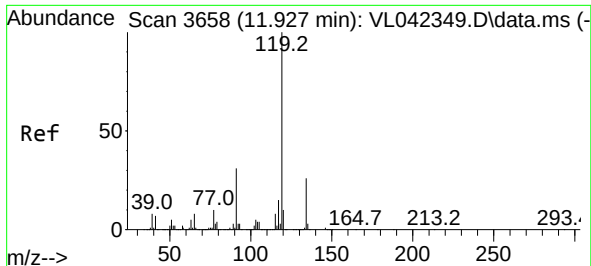
Tgt Ion:105 Resp: 854169
 Ion Ratio Lower Upper
 105 100
 134 17.7 14.6 21.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.533 ppbv
 RT: 10.374 min Scan# 3178
 Delta R.T. -0.003 min
 Lab File: VL042416.D
 Acq: 28 Apr 2025 08:44

Tgt Ion: 95 Resp: 264197
 Ion Ratio Lower Upper
 95 100
 174 54.7 48.5 72.7
 175 4.0 3.7 5.5

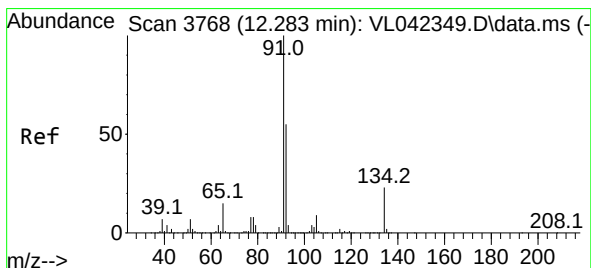
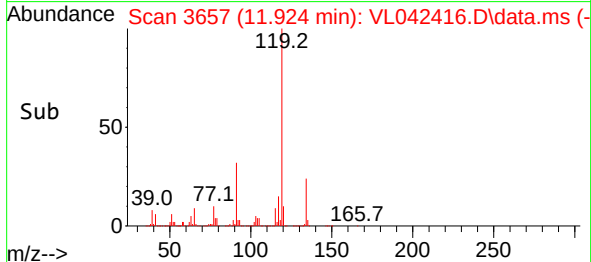
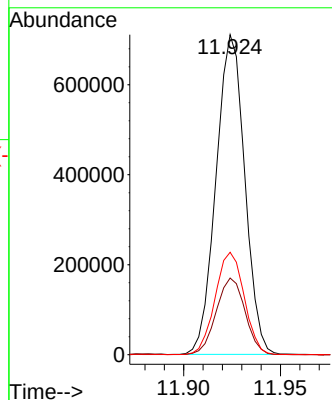
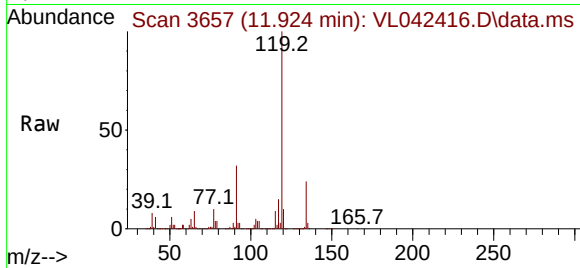




#69
p-Isopropyltoluene
Concen: 9.155 ppbv
RT: 11.924 min Scan# 3657
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

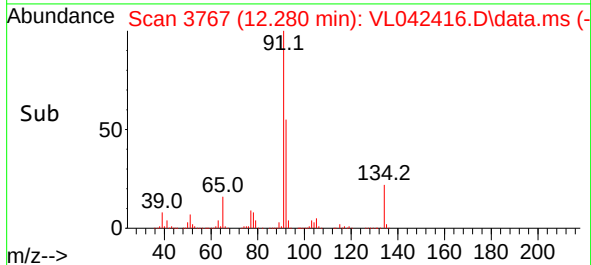
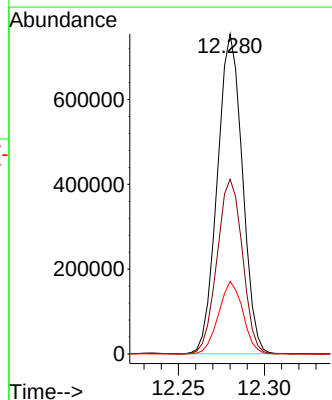
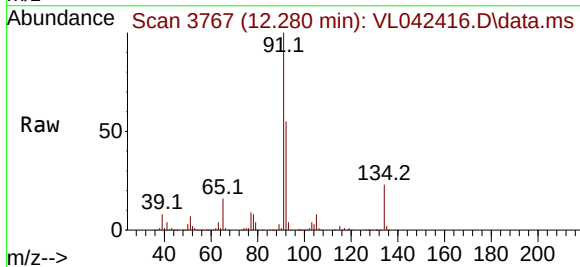
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

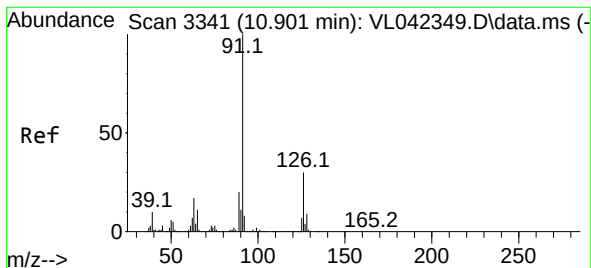
Tgt Ion:119 Resp: 732365
Ion Ratio Lower Upper
119 100
134 24.2 20.0 30.0
91 32.7 24.4 36.6



#70
n-Butylbenzene
Concen: 9.188 ppbv
RT: 12.280 min Scan# 3767
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion: 91 Resp: 765539
Ion Ratio Lower Upper
91 100
92 55.5 44.2 66.4
134 22.1 18.2 27.4

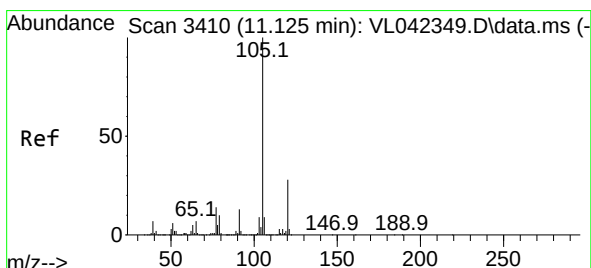
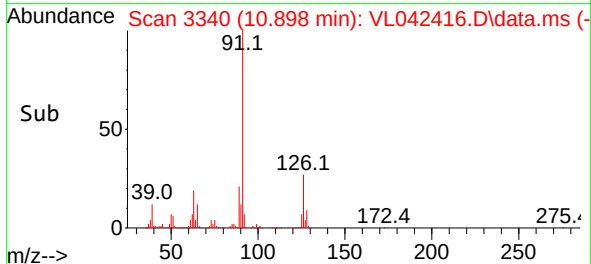
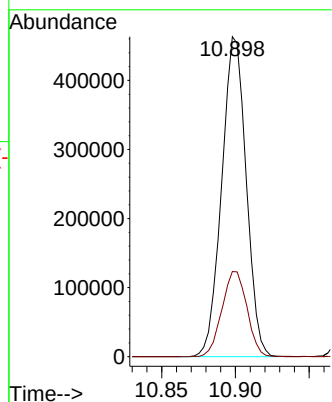
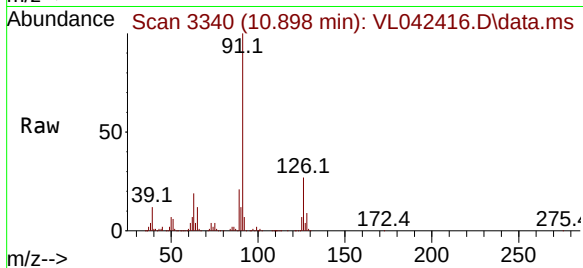




#71
2-Chlorotoluene
Concen: 9.467 ppbv
RT: 10.898 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

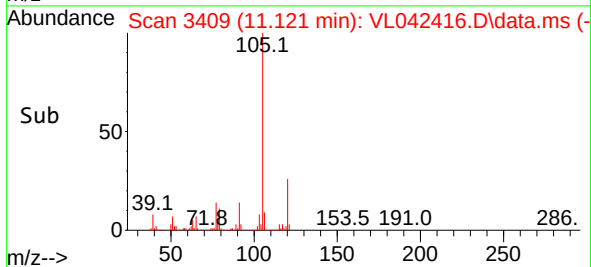
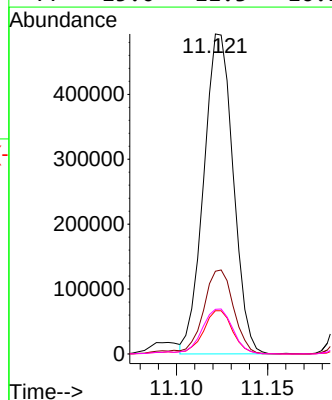
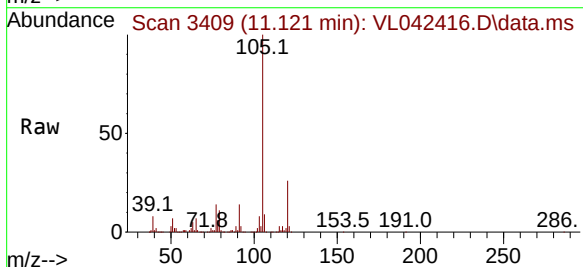
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

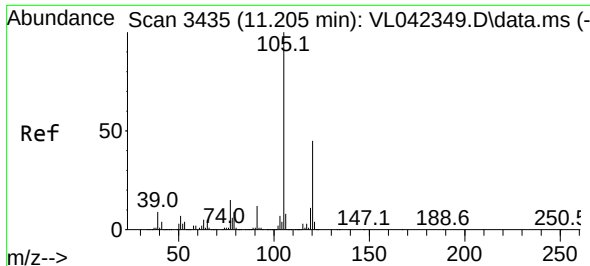
Tgt Ion: 91 Resp: 534834
Ion Ratio Lower Upper
91 100
126 27.2 11.4 45.4



#72
4-Ethyltoluene
Concen: 9.280 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:105 Resp: 556591
Ion Ratio Lower Upper
105 100
120 27.4 23.2 34.8
91 13.9 10.4 15.6
77 15.0 11.3 16.9

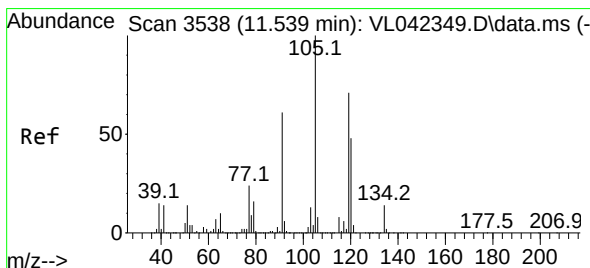
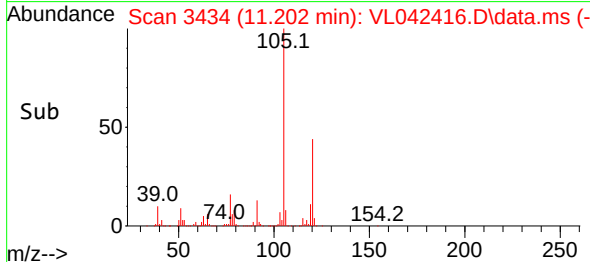
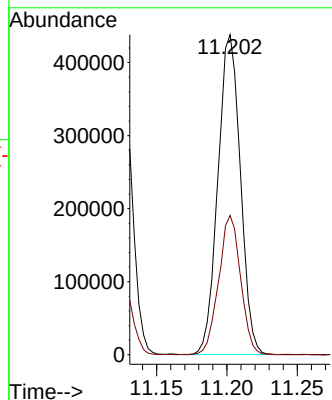
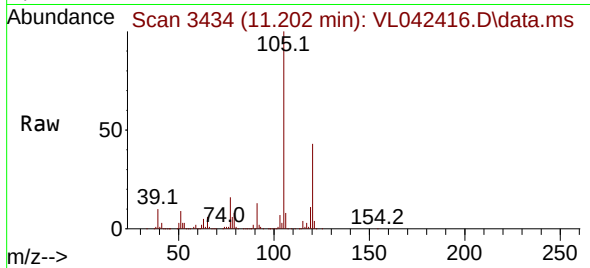




#73
1,3,5-Trimethylbenzene
Concen: 9.201 ppbv
RT: 11.202 min Scan# 34
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

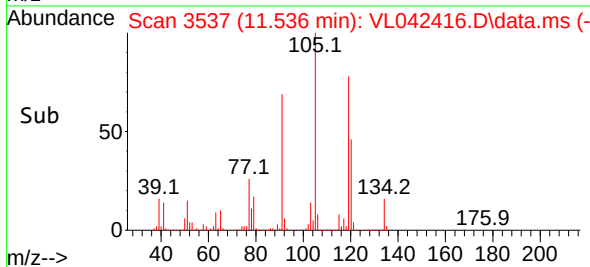
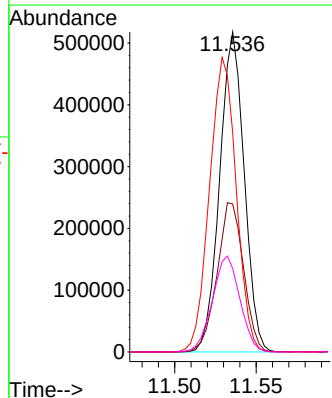
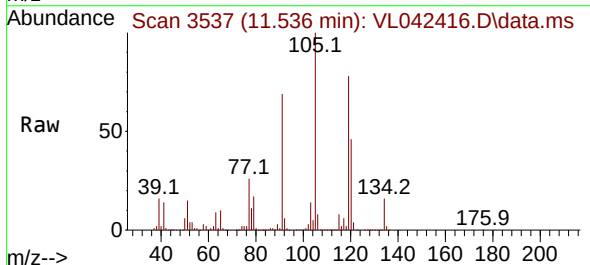
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

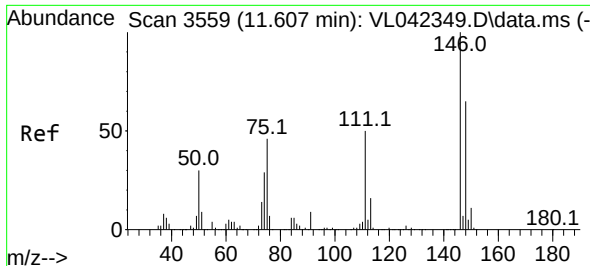
Tgt Ion:105 Resp: 487223
Ion Ratio Lower Upper
105 100
120 43.5 35.6 53.4



#74
1,2,4-Trimethylbenzene
Concen: 8.759 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:105 Resp: 541720
Ion Ratio Lower Upper
105 100
120 46.2 38.1 57.1
91 68.6 48.8 73.2
77 26.1 19.0 28.4

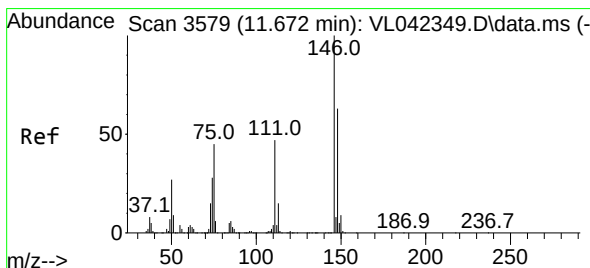
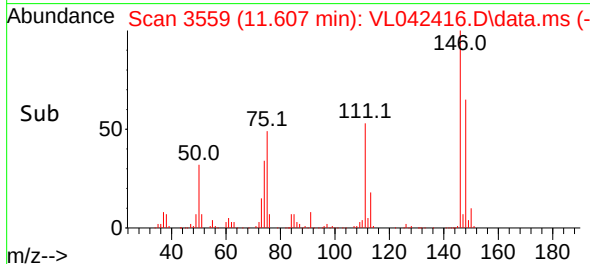
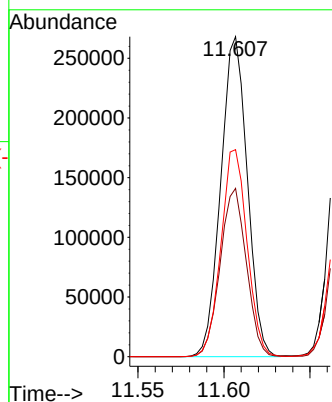
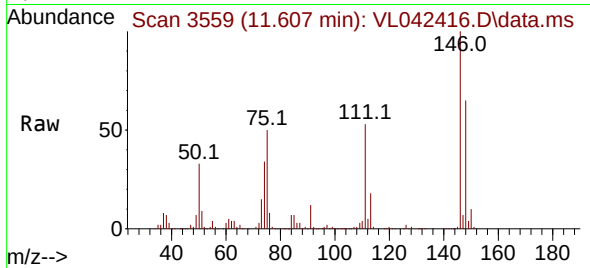




#75
1,3-Dichlorobenzene
Concen: 8.936 ppbv
RT: 11.607 min Scan# 3559
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

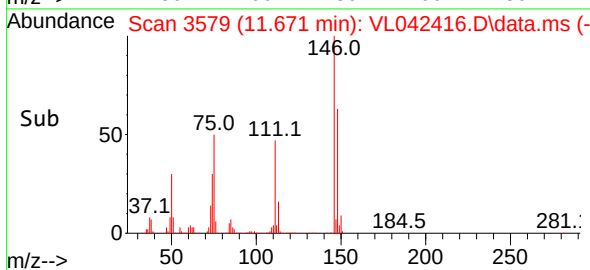
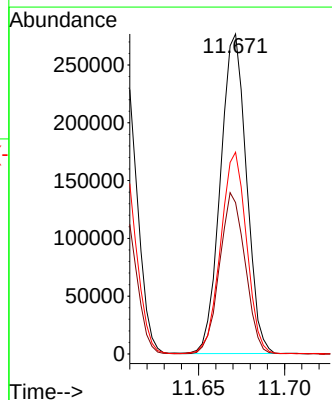
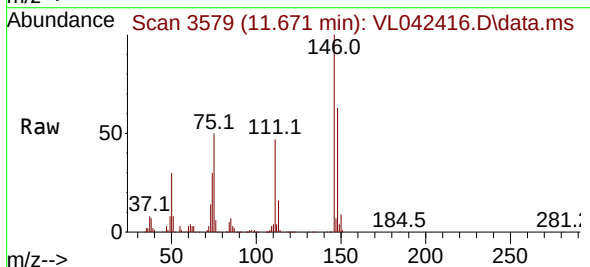
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MSVOA_L
ClientSampleId :
VSTDCCC010

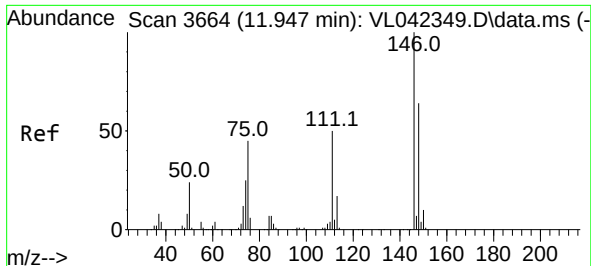
Tgt Ion:146 Resp: 287285
Ion Ratio Lower Upper
146 100
111 52.1 24.3 72.8
148 63.9 31.6 94.8



#76
1,4-Dichlorobenzene
Concen: 8.991 ppbv
RT: 11.671 min Scan# 3579
Delta R.T. -0.000 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:146 Resp: 290512
Ion Ratio Lower Upper
146 100
111 49.8 24.2 72.6
148 63.2 32.1 96.5

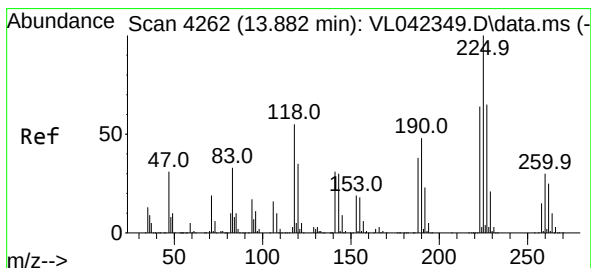
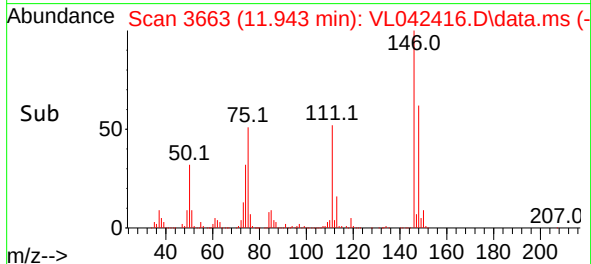
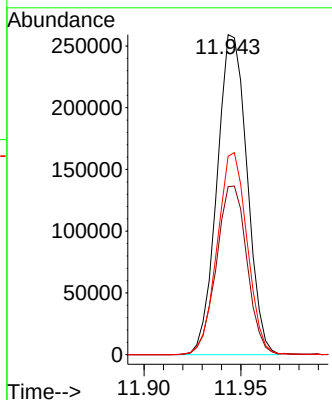
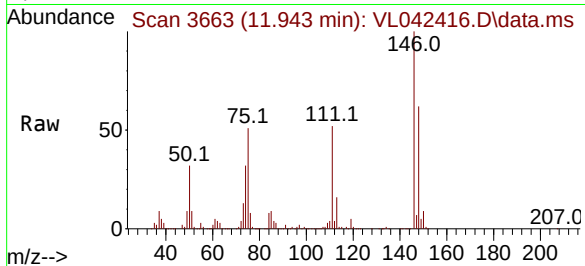




#77
1,2-Dichlorobenzene
Concen: 8.956 ppbv
RT: 11.943 min Scan# 3663
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

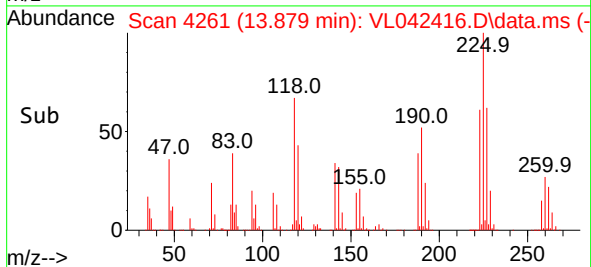
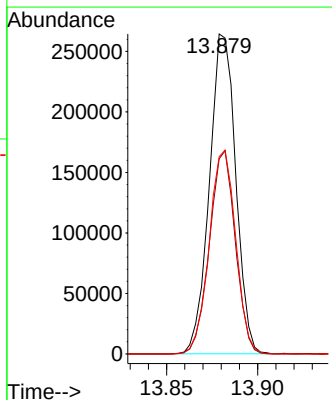
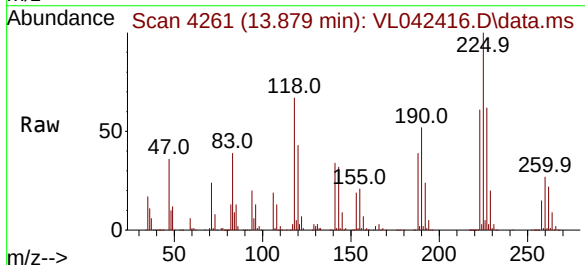
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MSVOA_L
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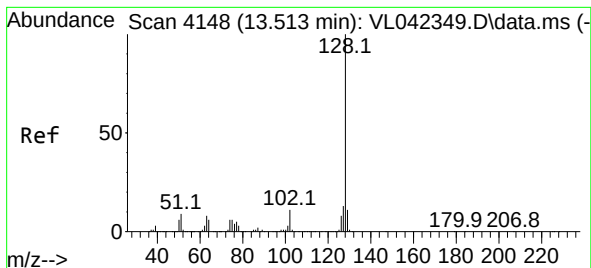
Tgt Ion:146 Resp: 279962
Ion Ratio Lower Upper
146 100
111 53.8 25.3 75.9
148 62.9 31.5 94.5



#78
Hexachloro-1,3-Butadiene
Concen: 8.419 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.003 min
Lab File: VL042416.D
Acq: 28 Apr 2025 08:44

Tgt Ion:225 Resp: 265745
Ion Ratio Lower Upper
225 100
223 62.5 50.3 75.5
227 64.0 51.5 77.3





#79

Naphthalene

Concen: 8.418 ppbv

RT: 13.513 min Scan# 4148

Delta R.T. -0.000 min

Lab File: VL042416.D

Acq: 28 Apr 2025 08:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

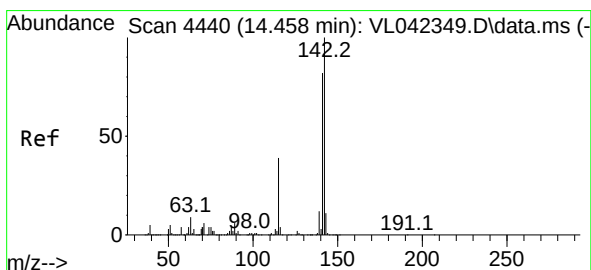
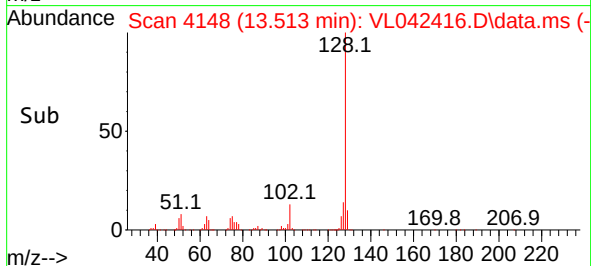
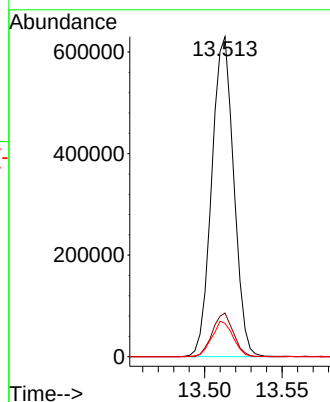
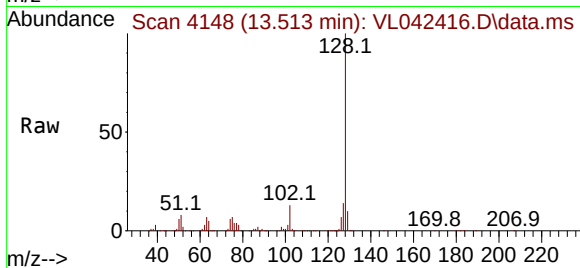
Tgt Ion:128 Resp: 622606

Ion Ratio Lower Upper

128 100

127 13.7 10.6 15.8

129 10.4 8.6 12.8



#80

Naphthalene,2-methyl-

Concen: 7.783 ppbv

RT: 14.455 min Scan# 4439

Delta R.T. -0.003 min

Lab File: VL042416.D

Acq: 28 Apr 2025 08:44

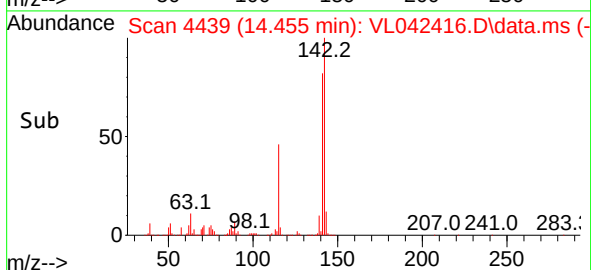
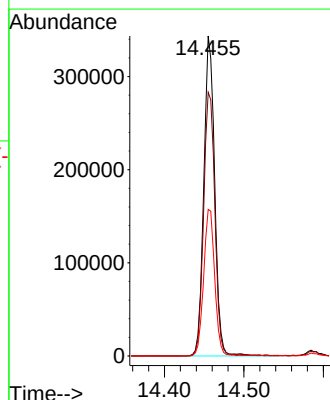
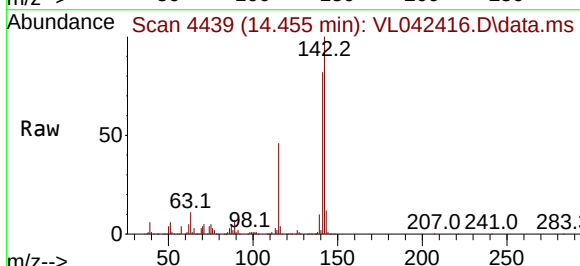
Tgt Ion:142 Resp: 328047

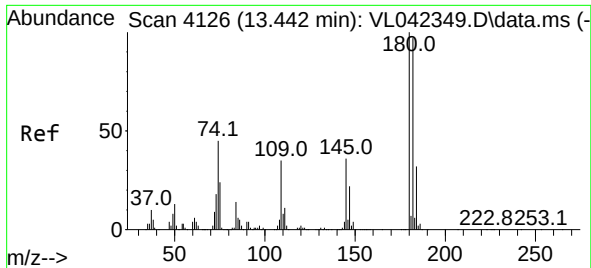
Ion Ratio Lower Upper

142 100

141 86.0 66.8 100.2

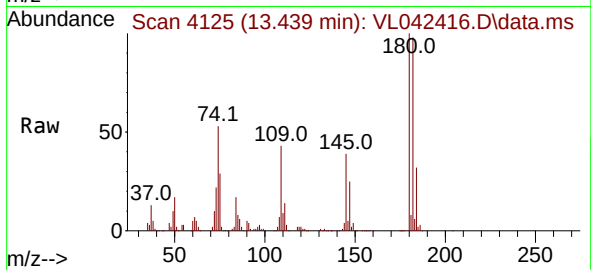
115 47.0 33.4 50.2





#81
 1,2,4-Trichlorobenzene
 Concen: 8.493 ppbv
 RT: 13.439 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL042416.D
 Acq: 28 Apr 2025 08:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion:180 Resp: 269711
 Ion Ratio Lower Upper
 180 100
 182 97.0 76.8 115.2
 184 30.6 24.6 36.8

