

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051623\
 Data File : VL040440.D
 Acq On : 16 May 2023 16:19
 Operator : SY/MD
 Sample : VL0516ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0516ABS01

Quant Time: May 17 05:14:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051623AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed May 17 05:12:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.208	49	1016740	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.674	114	2489887	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.497	117	2364460	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.806	95	1960309	10.311	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.100%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.732	85	2183254	10.931	ppbv	99
3) Chlorodifluoromethane	2.674	51	1237747	9.426	ppbv	100
4) Chloromethane	2.813	50	789187	9.676	ppbv	95
5) Vinyl Chloride	2.922	62	672197	9.286	ppbv	99
6) Bromomethane	3.124	94	218836	9.944	ppbv	100
7) Chloroethane	3.202	64	255175	9.976	ppbv	98
8) Dichlorotetrafluoroethane	2.858	85	1719871	9.583	ppbv	98
9) Propene	2.694	41	491737	9.626	ppbv	99
10) Heptane	7.600	43	1248778	10.579	ppbv	99
11) Trichlorofluoromethane	3.568	101	1779257	9.866	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.073	101	1245925	9.422	ppbv	99
13) Ethanol	3.250	45	29444	7.606	ppbv	81
14) Bromoethene	3.369	108	529754	10.049	ppbv	98
15) Acetone	3.472	43	1188278	9.238	ppbv	100
16) 1,3-Butadiene	2.986	39	606619	10.274	ppbv	98
17) tert-Butyl alcohol	3.883	59	1224718	9.506	ppbv	99
18) 1,1-Dichloroethene	3.886	96	574119	9.849	ppbv	98
19) Isopropyl Alcohol	3.581	45	567425	9.057	ppbv	99
20) Methylene Chloride	3.941	84	511423	8.926	ppbv	96
21) Allyl Chloride	4.005	41	820146	9.973	ppbv	99
22) trans-1,2-Dichloroethene	4.456	96	562624	9.664	ppbv	100
23) Vinyl Acetate	4.636	43	334228	9.402	ppbv	97
24) 1,1-Dichloroethane	4.575	63	1161729	9.550	ppbv	99
25) Ethyl Acetate	5.218	43	2413240	9.962	ppbv	99
26) Hexane	5.227	57	1019689	10.155	ppbv	98
27) Carbon Disulfide	4.134	76	1416751	10.734	ppbv	99
28) Methyl tert-Butyl Ether	4.597	73	1006912	9.439	ppbv	98
29) Chloroform	5.292	83	1760456	9.615	ppbv	99
30) Cyclohexane	6.623	84	828043	10.137	ppbv	100
31) cis-1,2-Dichloroethene	5.092	61	1027585	10.333	ppbv	99
32) 1,1,1-Trichloroethane	6.018	97	1799694	9.461	ppbv	99
34) 2-Butanone	4.796	43	1374155	10.367	ppbv	100
35) Carbon Tetrachloride	6.513	117	1839456	10.292	ppbv	98
36) Benzene	6.388	78	2089833	10.334	ppbv	100
37) 1,2-Dichloroethane	5.825	62	1386294	10.491	ppbv	100
38) Trichloroethene	7.311	130	1316848	10.570	ppbv	97
39) 1,2-Dichloropropane	7.092	63	801009	10.112	ppbv	98
40) 1,4-Dioxane	7.308	88	312642	10.376	ppbv	90
41) Tetrahydrofuran	5.571	42	786438	10.692	ppbv	100
42) Bromodichloromethane	7.269	83	1941571	10.855	ppbv	97
43) Methyl Methacrylate	7.497	69	855850	11.440	ppbv	100
44) 2,2,4-Trimethylpentane	7.346	57	3494505	10.442	ppbv	100
45) t-1,3-Dichloropropene	8.735	75	839868	12.815	ppbv	99

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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.166	75	1126645	12.165	ppbv	98
47) 1,1,2-Trichloroethane	8.922	97	892121	10.318	ppbv	97
48) Dibromochloromethane	9.735	129	1571029	11.376	ppbv	100
49) Bromoform	12.436	173	1279474	11.743	ppbv	100
50) 4-Methyl-2-Pentanone	8.201	43	2231519	10.898	ppbv	99
51) 2-Hexanone	9.574	43	1768803	11.727	ppbv #	98
52) Tetrachloroethene	10.642	164	716815	10.438	ppbv	98
53) Toluene	9.246	91	2440105	11.424	ppbv	99
54) 1,2-Dibromoethane	10.034	107	977278	11.310	ppbv	93
56) 1,1,1,2-Tetrachloroethane	11.536	131	1134031	10.356	ppbv	98
57) Chlorobenzene	11.558	112	1902894	9.996	ppbv	100
58) Ethyl Benzene	12.118	91	3360208	11.230	ppbv	100
59) m/p-Xylene	12.401	91	2893157	10.600	ppbv #	30
60) o-Xylene	13.089	91	2872979	11.060	ppbv	100
61) Styrene	12.928	104	1641765	12.478	ppbv	99
62) Isopropylbenzene	14.060	105	4024037	10.599	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.079	83	884048	9.435	ppbv	100
64) n-propylbenzene	14.947	120	1025354	10.946	ppbv	100
65) tert-Butylbenzene	16.124	119	3550003	10.661	ppbv	100
66) Benzyl Chloride	16.359	91	212384	10.750	ppbv	97
67) sec-Butylbenzene	16.667	105	5082012	10.598	ppbv	99
69) p-Isopropyltoluene	17.024	119	4075398	10.819	ppbv	100
70) n-Butylbenzene	17.918	91	4493563	10.704	ppbv	99
71) 2-Chlorotoluene	14.831	91	3144662	10.887	ppbv	99
72) 4-Ethyltoluene	15.224	105	3317666	11.264	ppbv	99
73) 1,3,5-Trimethylbenzene	15.381	105	2948588	10.905	ppbv	100
74) 1,2,4-Trimethylbenzene	16.140	105	3260519	10.481	ppbv	100
75) 1,3-Dichlorobenzene	16.362	146	1786759	10.439	ppbv	99
76) 1,4-Dichlorobenzene	16.507	146	1733809	10.474	ppbv	99
77) 1,2-Dichlorobenzene	17.175	146	1698508	10.243	ppbv	99
78) Hexachloro-1,3-Butadiene	22.667	225	1173208	9.456	ppbv	99
79) Naphthalene	21.420	128	2459203	13.075	ppbv	99
80) Naphthalene,2-methyl-	24.400	142	738148	13.707	ppbv	99
81) 1,2,4-Trichlorobenzene	21.172	180	1299083	11.157	ppbv	99

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

Instrument :
MSVOA_L
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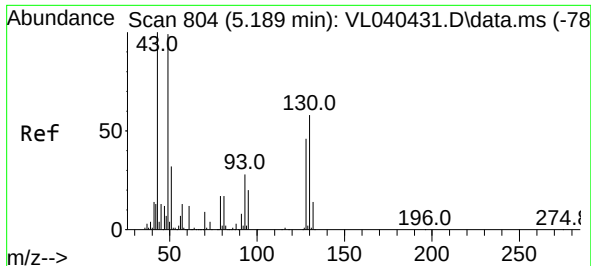
Abundance

TIC: VL040440.D\data.ms

Time-->

Peak labels (from left to right):

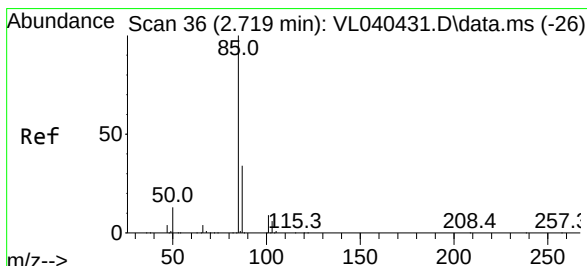
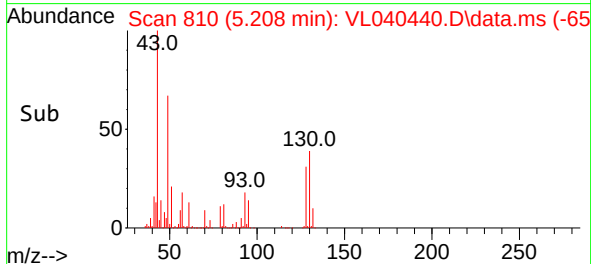
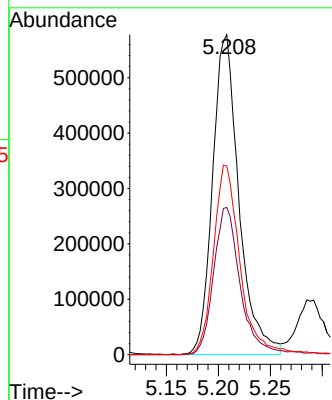
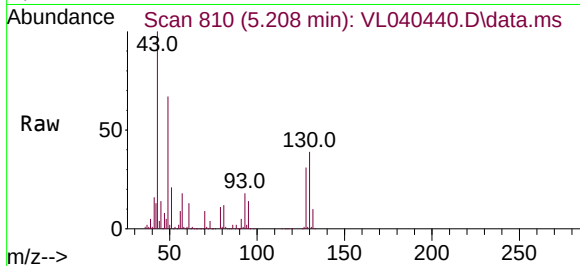
- Ethanol
- Bromobenzene c.i.
- Vinyl Chloride
- Isopropyl Alcohol
- Carbon Disulfide
- Methyl Acetate
- Acetic Acid
- 2-Butanone
- cis-1,2-Dichloroethane
- Tetrahydrofuran
- 1,2-Dichloroethane
- 1,1,1-Trichloroethane
- Benzene
- Cyclohexane
- 1,2-Dichloropropane
- Bromochloromethane
- Methyl Methacrylate
- n-Pentane
- t-1,3-Dichloropropene
- 2-Hexanone
- 1,2-Dibromoethane
- Dibromochloromethane
- Toluene
- 1,1,2-Trichloroethane
- Tetrachloroethane
- Chlorobenzene
- 1,1,2,2-Tetrachloroethane
- Ethyl Benzene
- m/p-Xylene
- Sterene
- 1,1,2,2-Tetrachloroethane
- 1-Bromo-4-Fluorobenzene
- Isopropylbenzene
- 2-Chlorotoluene
- Propylbenzene
- 4-Ethyltoluene
- 1,3,5-Trimethylbenzene
- sec-Butylbenzene
- p-Isopropyltoluene
- n-Butylbenzene
- Hexachloro-1,3-Butadiene
- Naphthalene
- Naphthalene, 2-methyl



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.208 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VL040440.D
 Acq: 16 May 2023 16:19

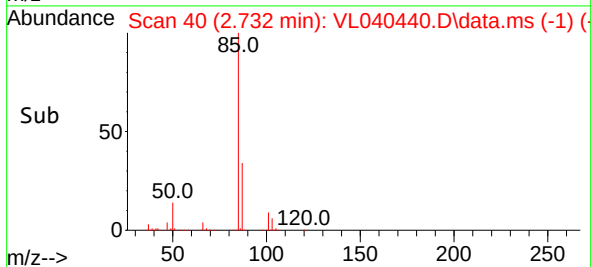
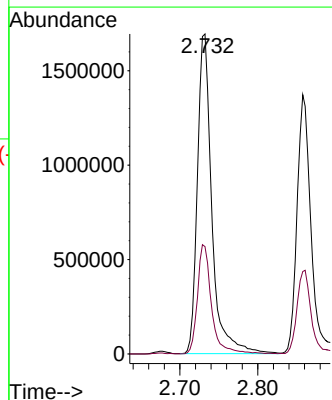
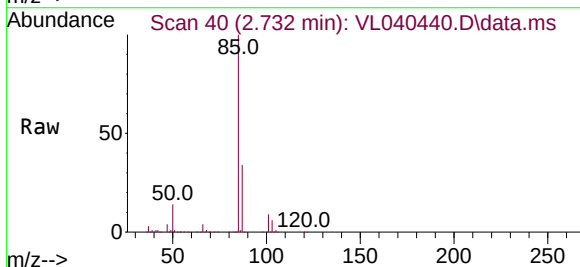
Instrument :
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 VL0516ABS01

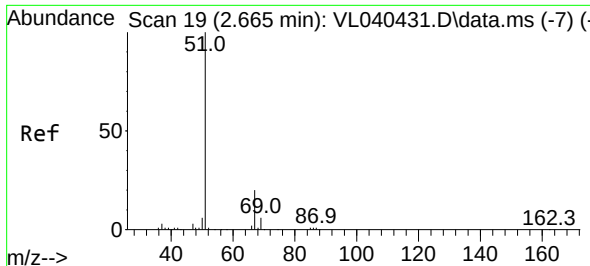
Tgt Ion: 49 Resp: 1016740
 Ion Ratio Lower Upper
 49 100
 128 47.3 24.3 72.8
 130 60.4 30.2 90.6



#2
 Dichlorodifluoromethane
 Concen: 10.931 ppbv
 RT: 2.732 min Scan# 40
 Delta R.T. 0.003 min
 Lab File: VL040440.D
 Acq: 16 May 2023 16:19

Tgt Ion: 85 Resp: 2183254
 Ion Ratio Lower Upper
 85 100
 87 33.6 27.4 41.0

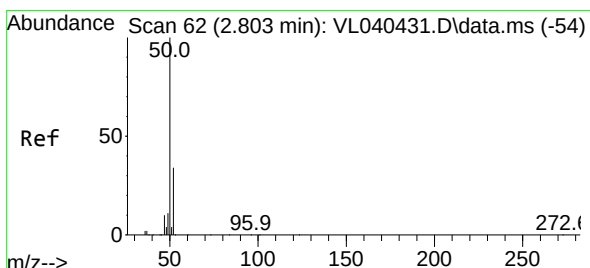
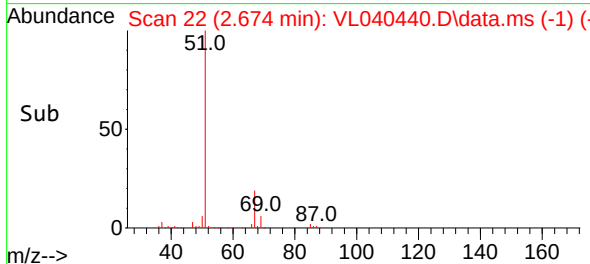
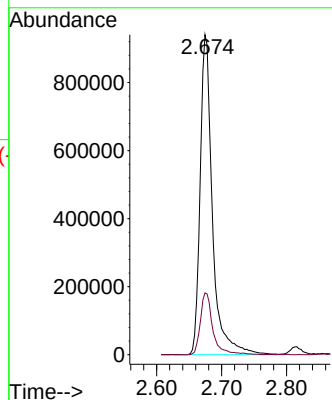
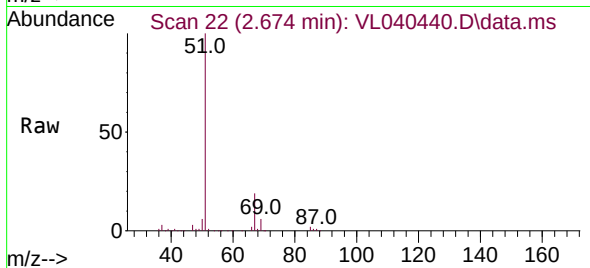




#3
Chlorodifluoromethane
Concen: 9.426 ppbv
RT: 2.674 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

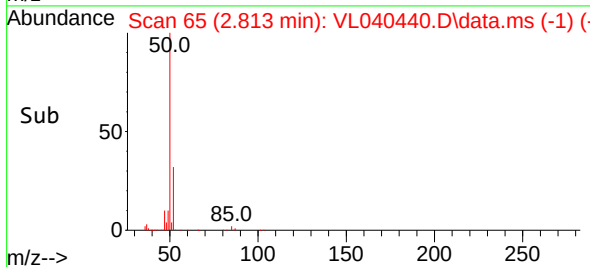
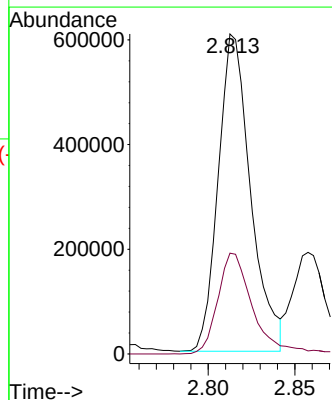
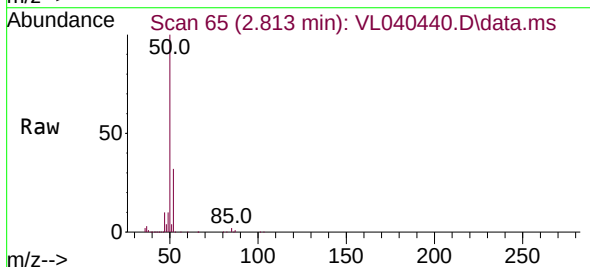
Instrument :
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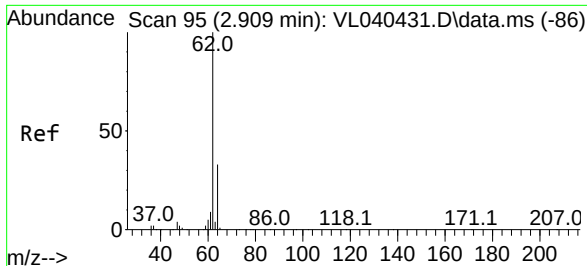
Tgt Ion: 51 Resp: 1237747
Ion Ratio Lower Upper
51 100
67 19.8 15.8 23.6



#4
Chloromethane
Concen: 9.676 ppbv
RT: 2.813 min Scan# 65
Delta R.T. 0.000 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

Tgt Ion: 50 Resp: 789187
Ion Ratio Lower Upper
50 100
52 31.8 27.6 41.4

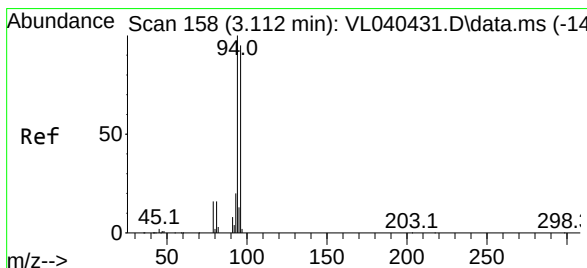
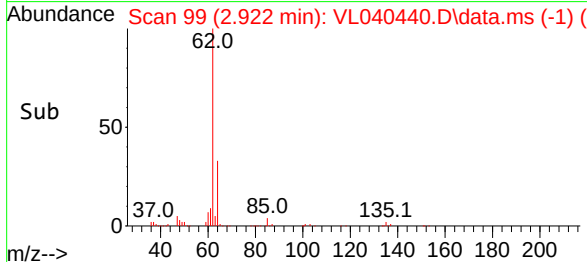
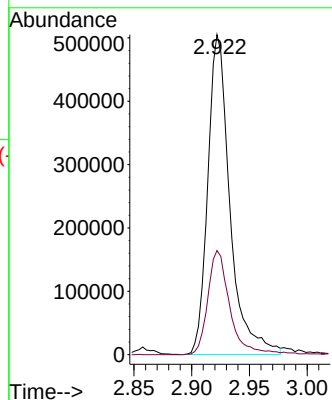
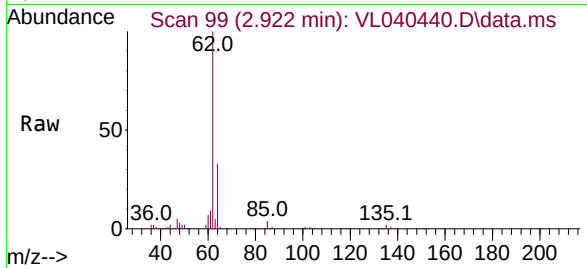




#5
 Vinyl Chloride
 Concen: 9.286 ppbv
 RT: 2.922 min Scan# 95
 Delta R.T. 0.000 min
 Lab File: VL040440.D
 Acq: 16 May 2023 16:19

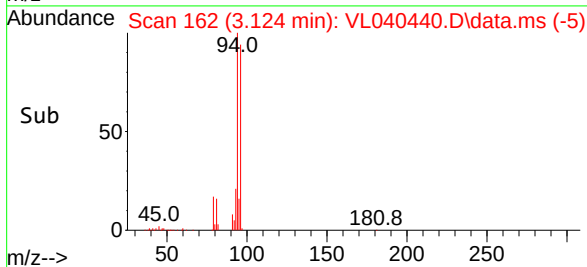
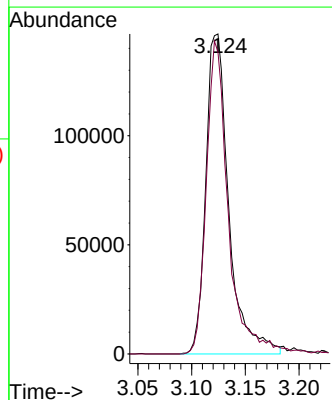
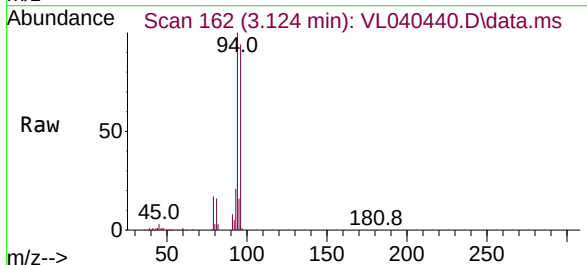
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 ClientSampleId :
 VL0516ABS01

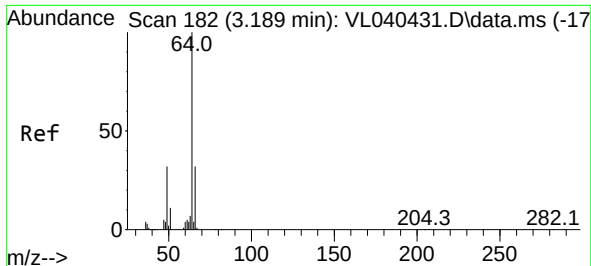
Tgt Ion: 62 Resp: 672197
 Ion Ratio Lower Upper
 62 100
 64 32.6 26.6 40.0



#6
 Bromomethane
 Concen: 9.944 ppbv
 RT: 3.124 min Scan# 162
 Delta R.T. 0.003 min
 Lab File: VL040440.D
 Acq: 16 May 2023 16:19

Tgt Ion: 94 Resp: 218836
 Ion Ratio Lower Upper
 94 100
 96 94.4 75.7 113.5

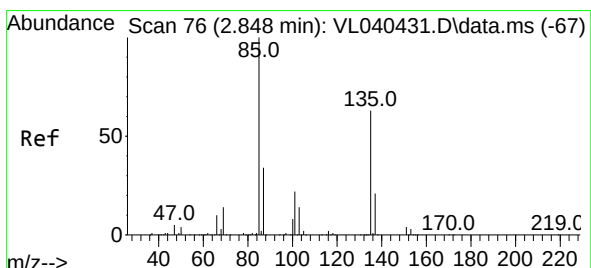
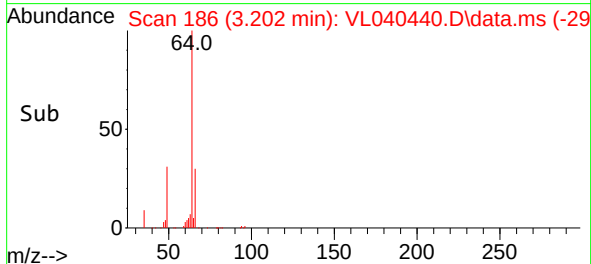
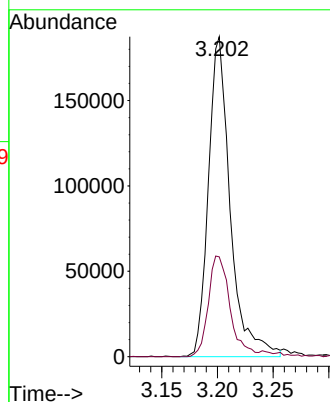
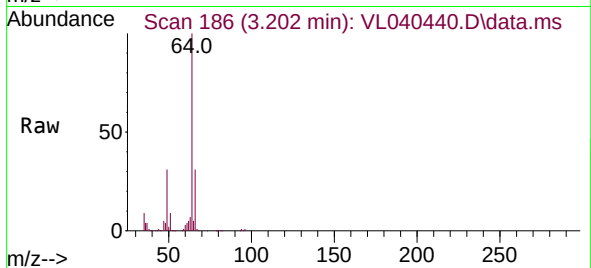




#7
Chloroethane
Concen: 9.976 ppbv
RT: 3.202 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

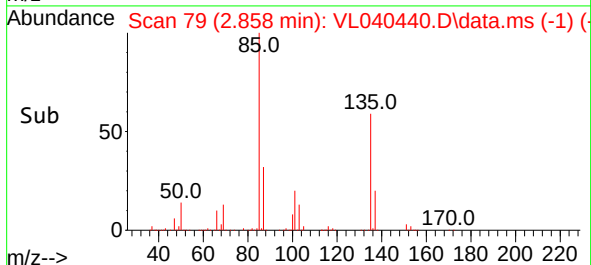
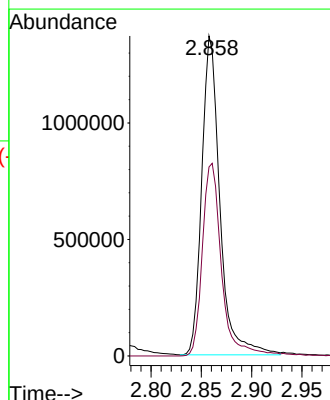
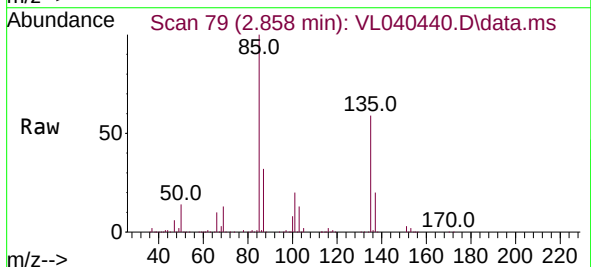
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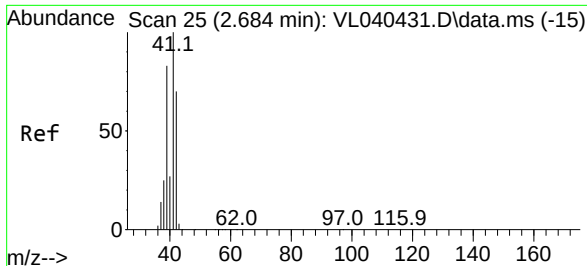
Tgt Ion: 64 Resp: 255175
Ion Ratio Lower Upper
64 100
66 31.2 25.8 38.8



#8
Dichlorotetrafluoroethane
Concen: 9.583 ppbv
RT: 2.858 min Scan# 79
Delta R.T. 0.000 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

Tgt Ion: 85 Resp: 1719871
Ion Ratio Lower Upper
85 100
135 64.5 50.6 75.8

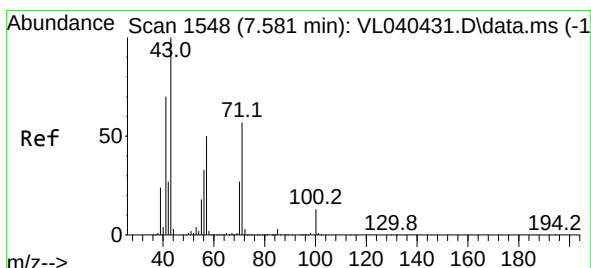
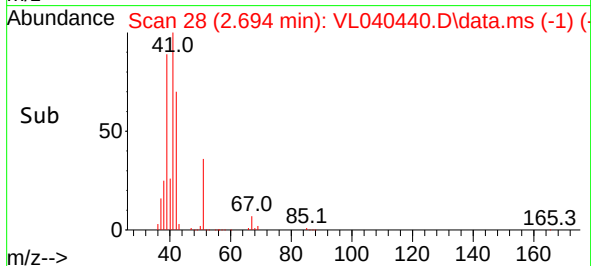
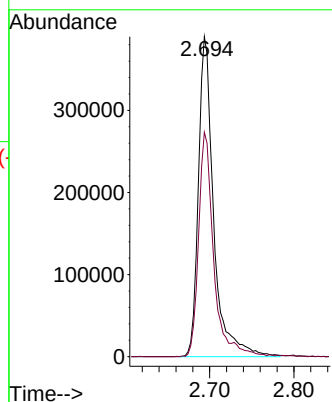
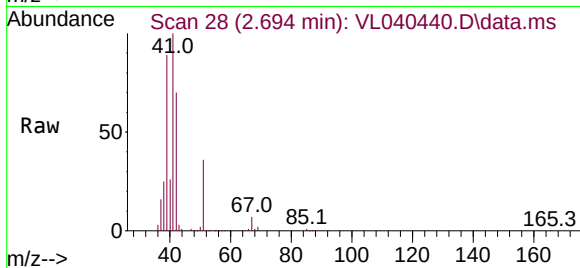




#9
 Propene
 Concen: 9.626 ppbv
 RT: 2.694 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VL040440.D
 Acq: 16 May 2023 16:19

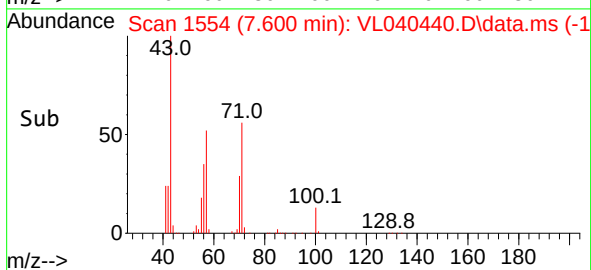
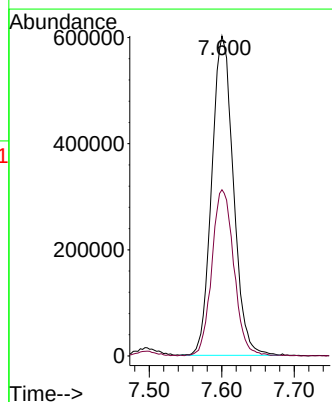
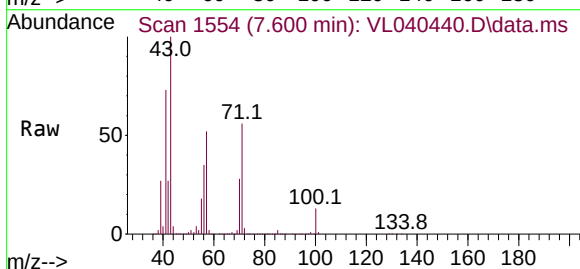
Instrument :
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 VL0516ABS01

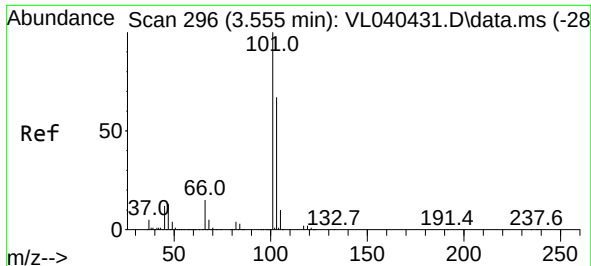
Tgt Ion: 41 Resp: 491737
 Ion Ratio Lower Upper
 41 100
 42 70.1 56.6 84.8



#10
 Heptane
 Concen: 10.579 ppbv
 RT: 7.600 min Scan# 1554
 Delta R.T. 0.003 min
 Lab File: VL040440.D
 Acq: 16 May 2023 16:19

Tgt Ion: 43 Resp: 1248778
 Ion Ratio Lower Upper
 43 100
 57 53.1 42.2 63.2

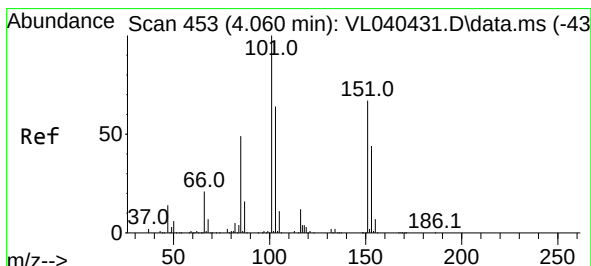
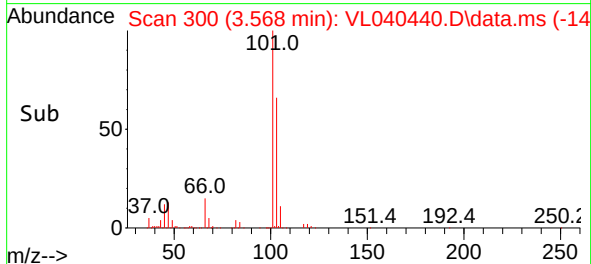
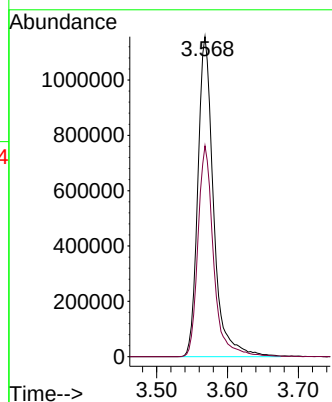
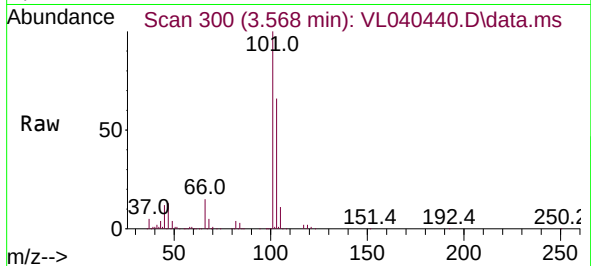




#11
 Trichlorofluoromethane
 Concen: 9.866 ppbv
 RT: 3.568 min Scan# 300
 Delta R.T. 0.000 min
 Lab File: VL040440.D
 Acq: 16 May 2023 16:19

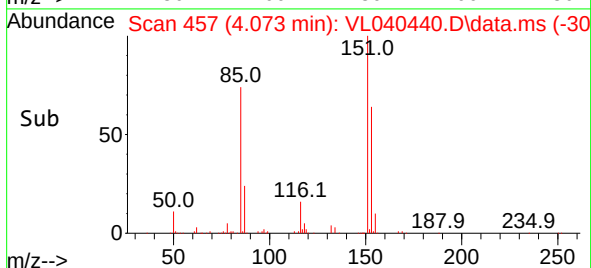
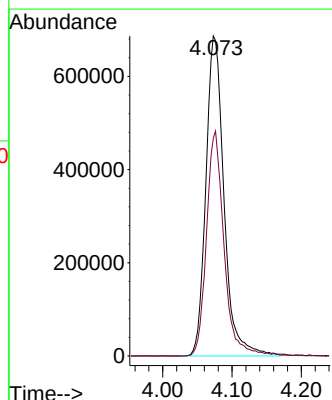
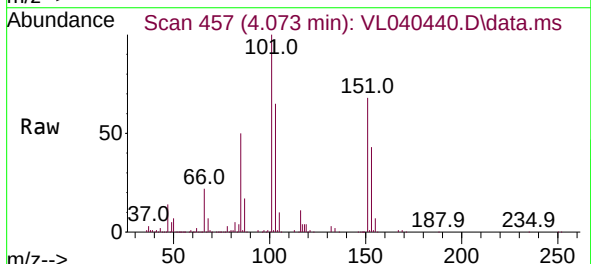
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0516ABS01

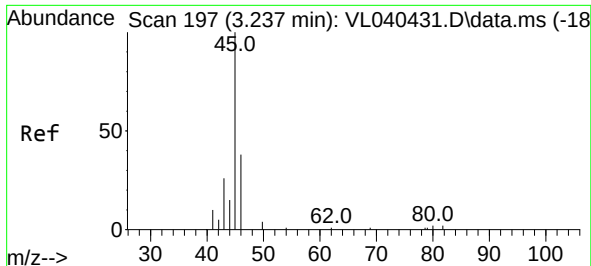
Tgt Ion:101 Resp: 1779257
 Ion Ratio Lower Upper
 101 100
 103 65.9 53.3 79.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.422 ppbv
 RT: 4.073 min Scan# 457
 Delta R.T. 0.000 min
 Lab File: VL040440.D
 Acq: 16 May 2023 16:19

Tgt Ion:101 Resp: 1245925
 Ion Ratio Lower Upper
 101 100
 151 68.3 53.8 80.6

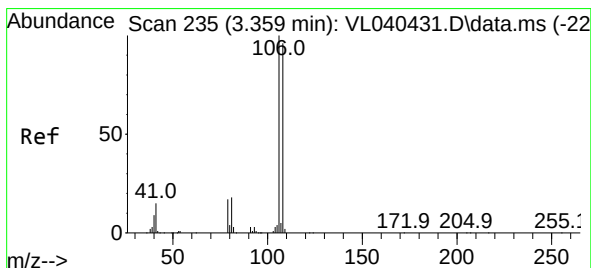
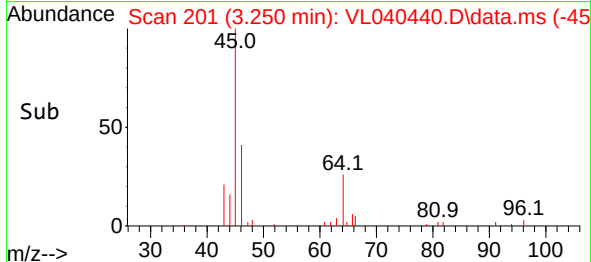
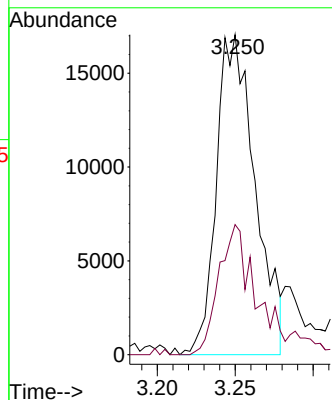
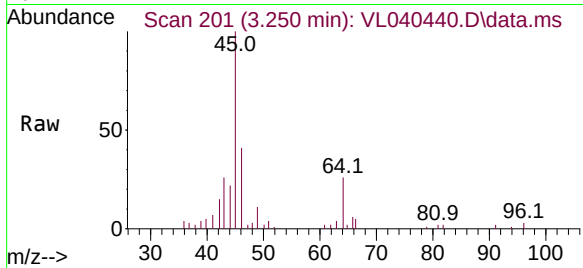




#13
Ethanol
Concen: 7.606 ppbv
RT: 3.250 min Scan# 201
Delta R.T. 0.000 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

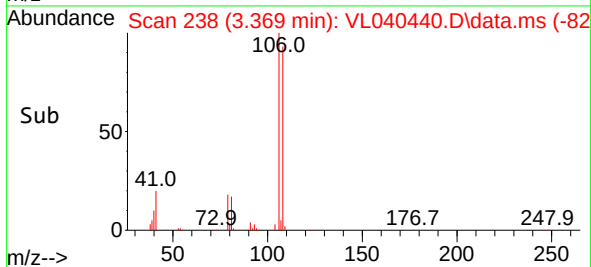
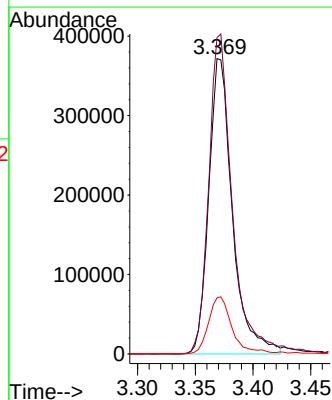
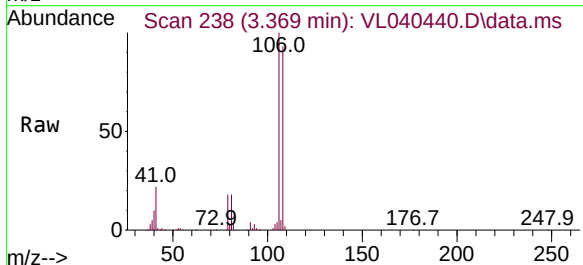
Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

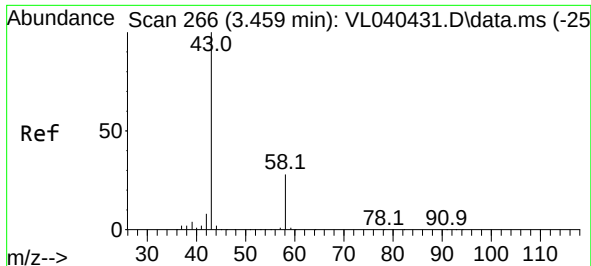
Tgt Ion: 45 Resp: 29444
Ion Ratio Lower Upper
45 100
46 43.8 13.2 52.8



#14
Bromoethene
Concen: 10.049 ppbv
RT: 3.369 min Scan# 238
Delta R.T. 0.000 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

Tgt Ion: 108 Resp: 529754
Ion Ratio Lower Upper
108 100
106 109.6 89.5 134.3
79 20.3 16.1 24.1

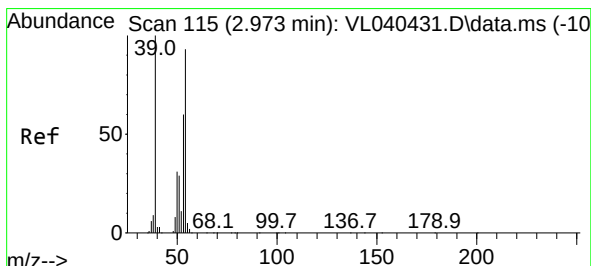
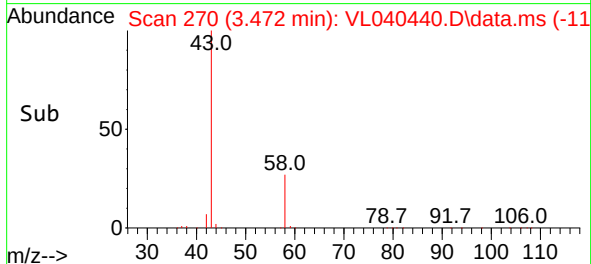
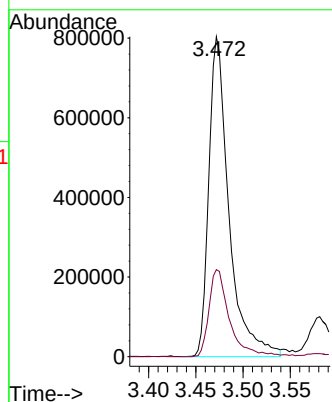
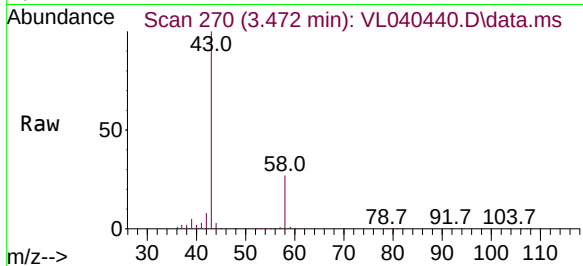




#15
Acetone
Concen: 9.238 ppbv
RT: 3.472 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

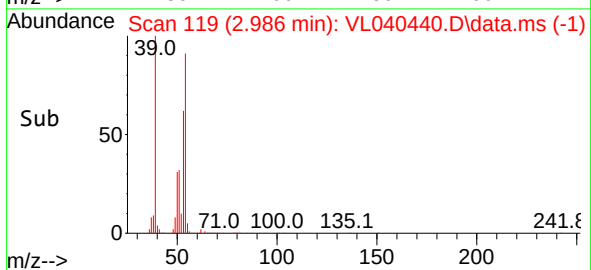
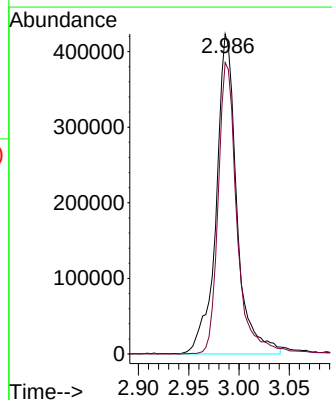
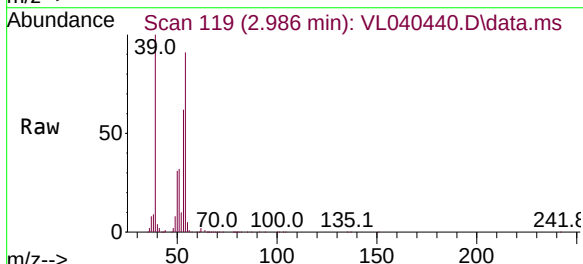
Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

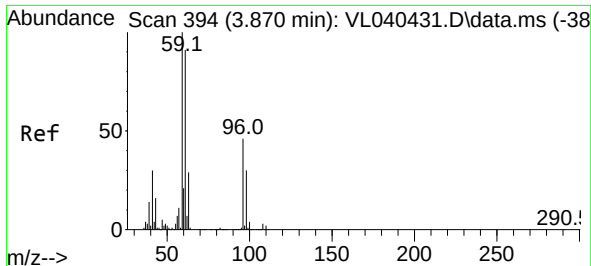
Tgt Ion: 43 Resp: 1188278
Ion Ratio Lower Upper
43 100
58 27.8 22.2 33.4



#16
1,3-Butadiene
Concen: 10.274 ppbv
RT: 2.986 min Scan# 119
Delta R.T. 0.000 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

Tgt Ion: 39 Resp: 606619
Ion Ratio Lower Upper
39 100
54 83.9 68.9 103.3





#17

tert-Butyl alcohol

Concen: 9.506 ppbv

RT: 3.883 min Scan# 394

Delta R.T. 0.003 min

Lab File: VL040440.D

Acq: 16 May 2023 16:19

Instrument :

MSVOA_L

ClientSampleId :

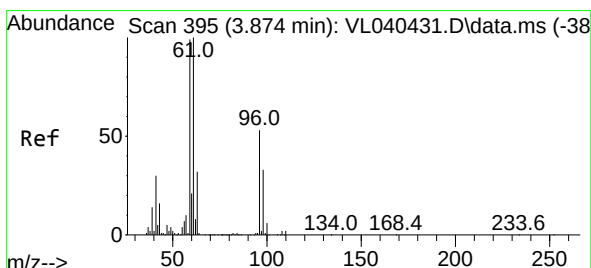
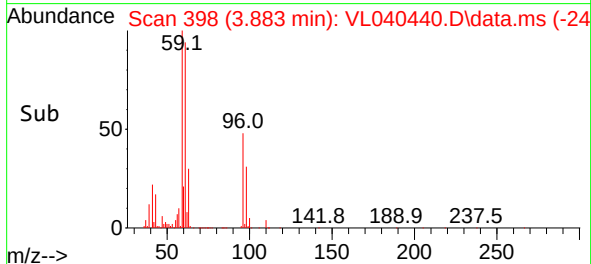
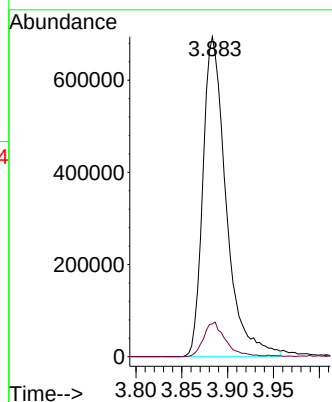
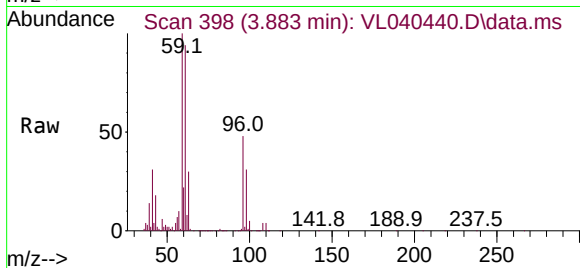
VL0516ABS01

Tgt Ion: 59 Resp: 1224718

Ion Ratio Lower Upper

59 100

57 10.5 8.6 12.8



#18

1,1-Dichloroethene

Concen: 9.849 ppbv

RT: 3.886 min Scan# 399

Delta R.T. 0.000 min

Lab File: VL040440.D

Acq: 16 May 2023 16:19

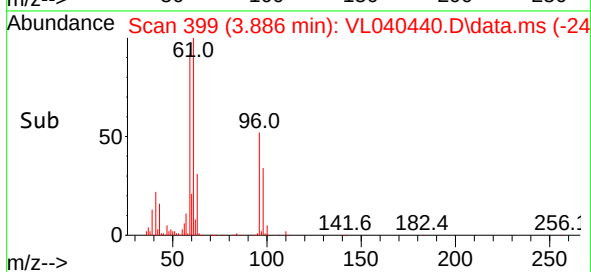
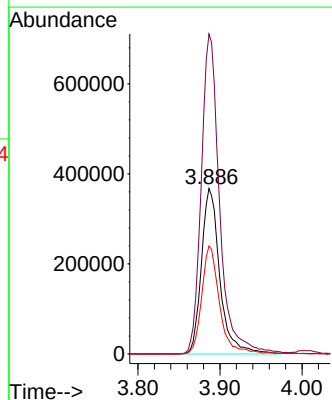
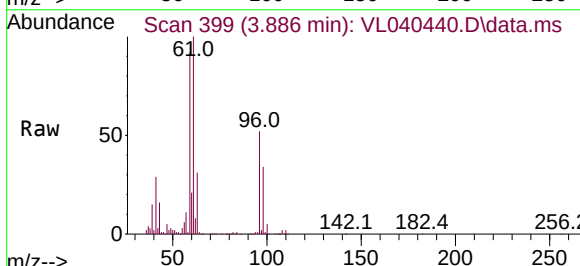
Tgt Ion: 96 Resp: 574119

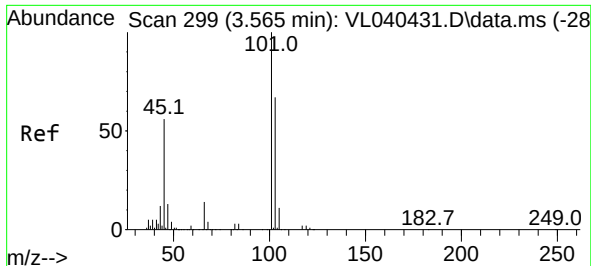
Ion Ratio Lower Upper

96 100

61 193.2 151.8 227.8

98 65.3 50.5 75.7

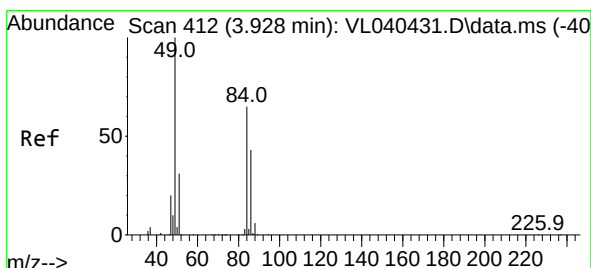
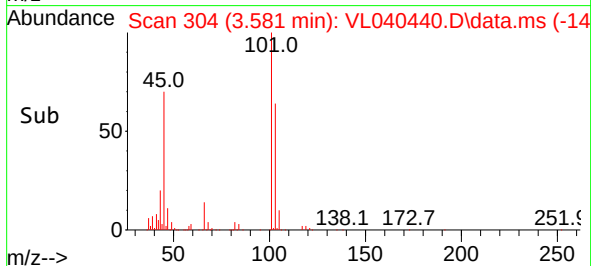
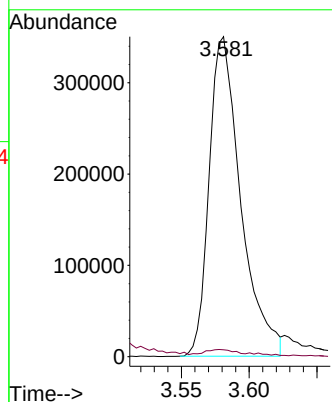
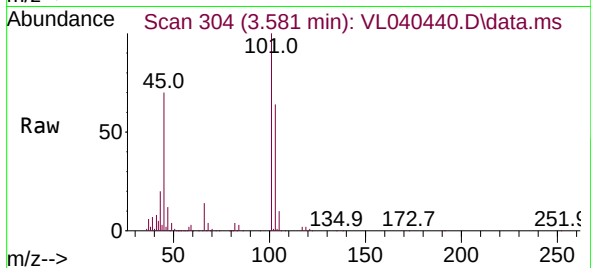




#19
Isopropyl Alcohol
Concen: 9.057 ppbv
RT: 3.581 min Scan# 304
Delta R.T. 0.003 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

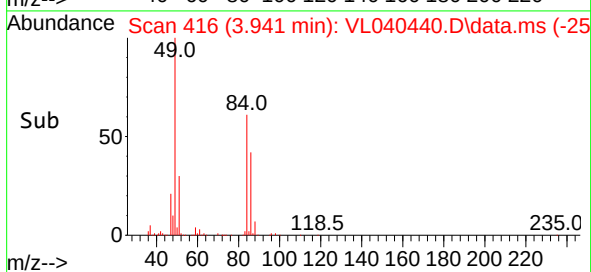
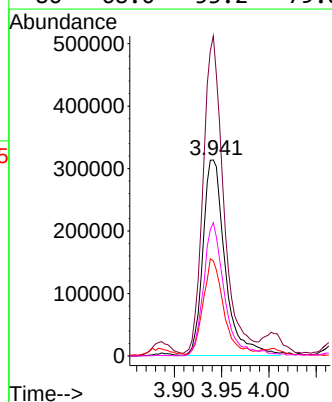
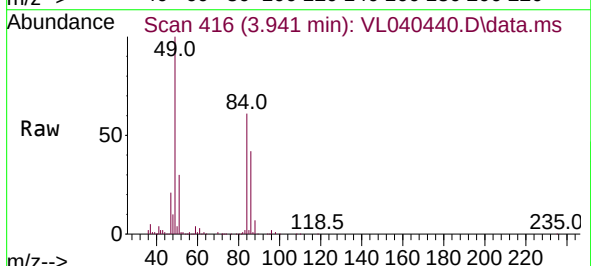
Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

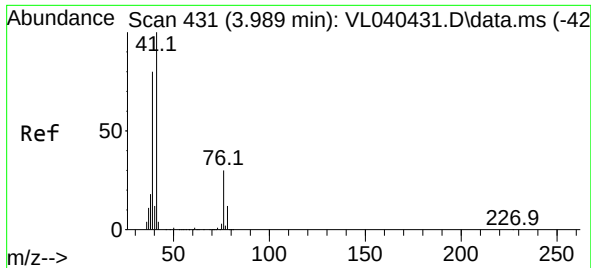
Tgt Ion: 45 Resp: 567425
Ion Ratio Lower Upper
45 100
58 3.0 2.1 3.1



#20
Methylene Chloride
Concen: 8.926 ppbv
RT: 3.941 min Scan# 416
Delta R.T. 0.003 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

Tgt Ion: 84 Resp: 511423
Ion Ratio Lower Upper
84 100
49 162.0 123.7 185.5
51 47.7 38.6 57.8
86 68.0 53.2 79.8

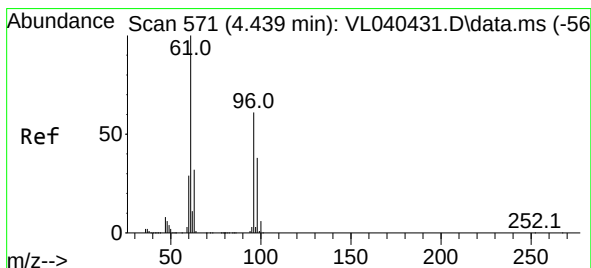
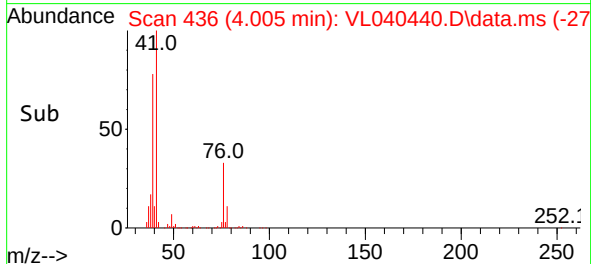
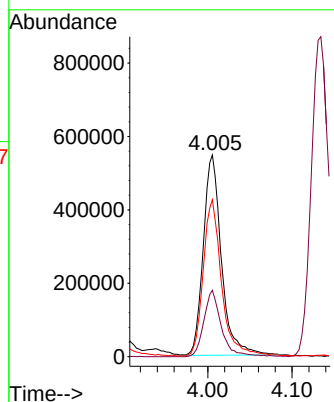
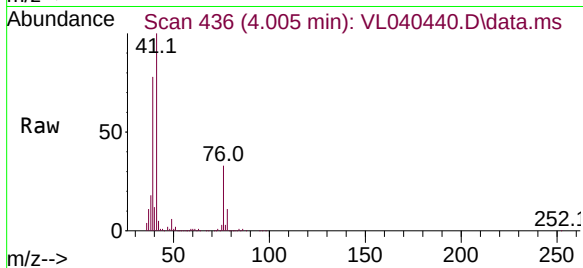




#21
 Allyl Chloride
 Concen: 9.973 ppbv
 RT: 4.005 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL040440.D
 Acq: 16 May 2023 16:19

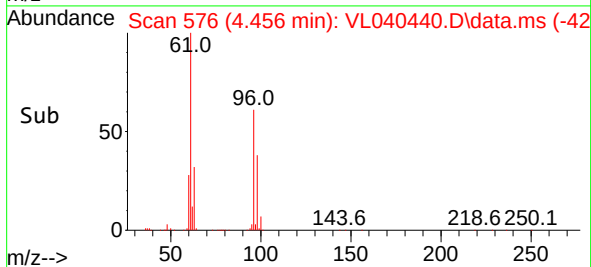
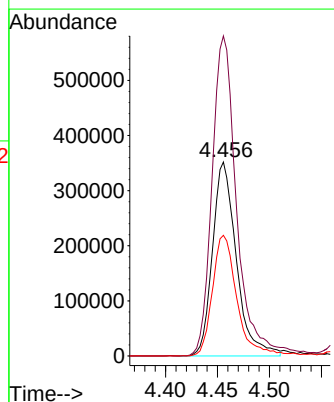
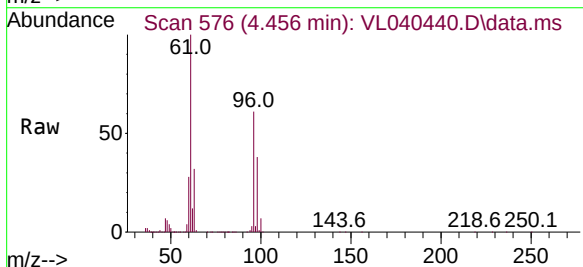
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0516ABS01

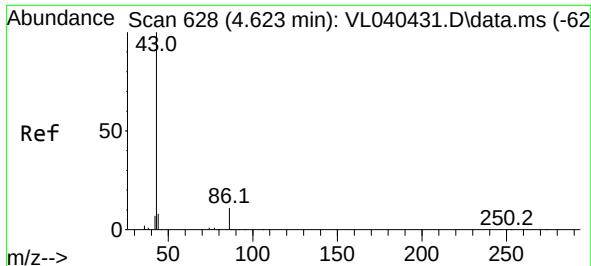
Tgt Ion: 41 Resp: 820146
 Ion Ratio Lower Upper
 41 100
 76 32.0 25.3 37.9
 39 78.9 63.5 95.3



#22
 trans-1,2-Dichloroethene
 Concen: 9.664 ppbv
 RT: 4.456 min Scan# 576
 Delta R.T. 0.000 min
 Lab File: VL040440.D
 Acq: 16 May 2023 16:19

Tgt Ion: 96 Resp: 562624
 Ion Ratio Lower Upper
 96 100
 61 165.0 131.8 197.6
 98 62.2 50.1 75.1



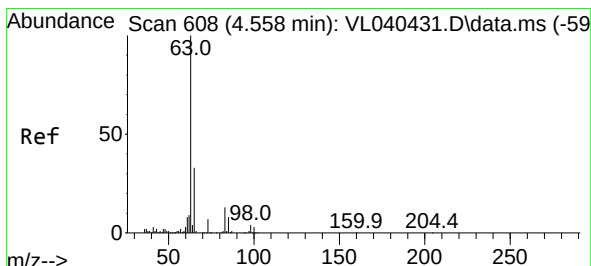
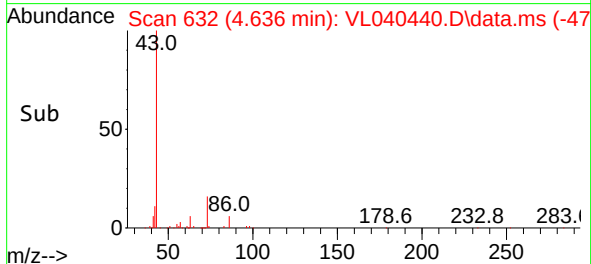
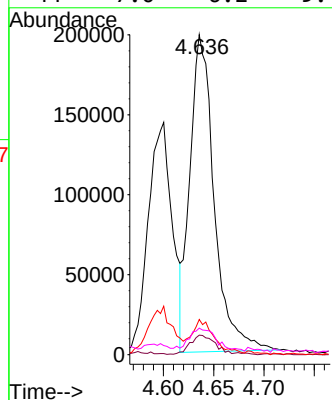
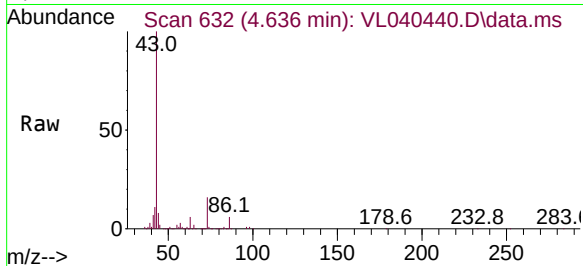


#23
 Vinyl Acetate
 Concen: 9.402 ppbv
 RT: 4.636 min Scan# 613
 Delta R.T. 0.000 min
 Lab File: VL040440.D
 Acq: 16 May 2023 16:19

Instrument :
 MSVOA_1
 ClientSampleId :
 VL0516ABS01

Tgt Ion: 43 Resp: 334228

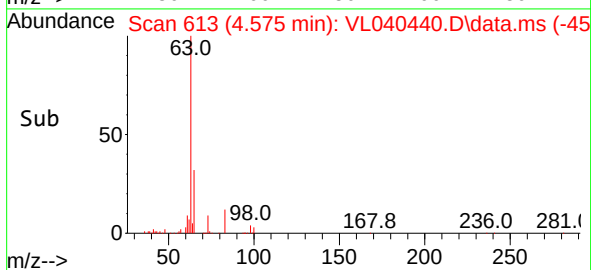
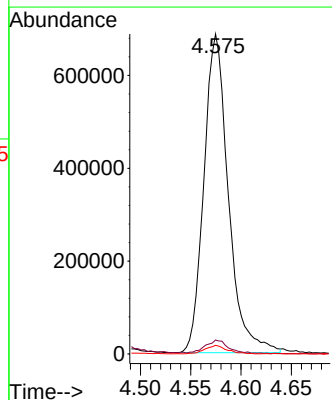
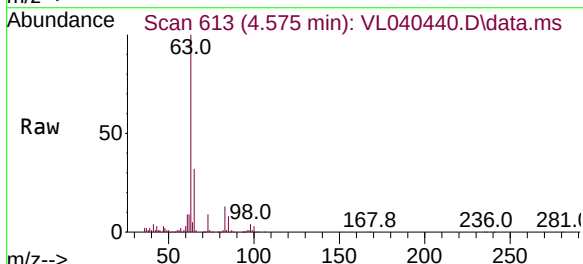
Ion	Ratio	Lower	Upper
43	100		
86	6.0	5.4	8.2
42	10.8	7.8	11.6
44	7.0	6.2	9.4

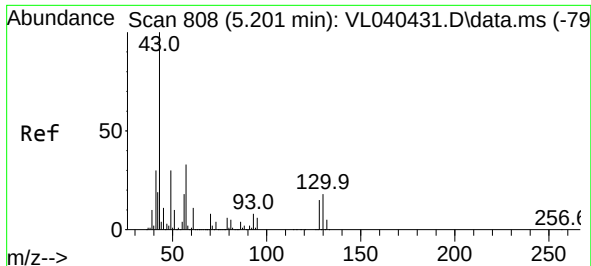


#24
 1,1-Dichloroethane
 Concen: 9.550 ppbv
 RT: 4.575 min Scan# 613
 Delta R.T. 0.003 min
 Lab File: VL040440.D
 Acq: 16 May 2023 16:19

Tgt Ion: 63 Resp: 1161729

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.0	5.8
100	2.7	1.4	4.2





#25

Ethyl Acetate

Concen: 9.962 ppbv

RT: 5.218 min Scan# 813

Delta R.T. 0.003 min

Lab File: VL040440.D

Acq: 16 May 2023 16:19

Instrument :

MSVOA_L

ClientSampleId :

VL0516ABS01

Tgt Ion: 43 Resp: 2413240

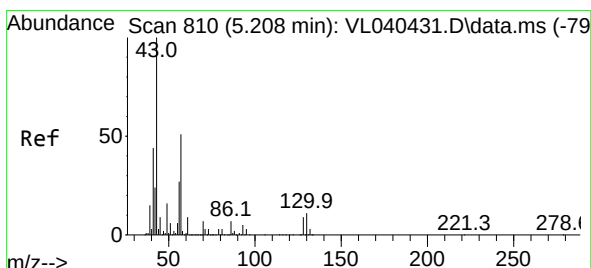
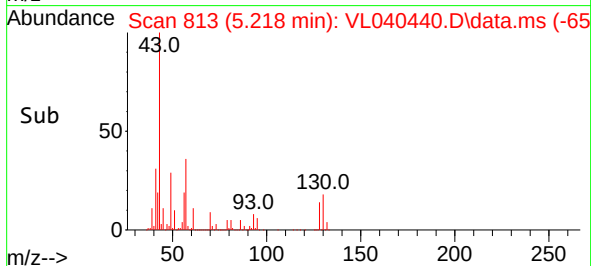
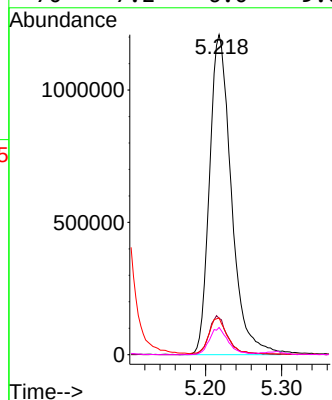
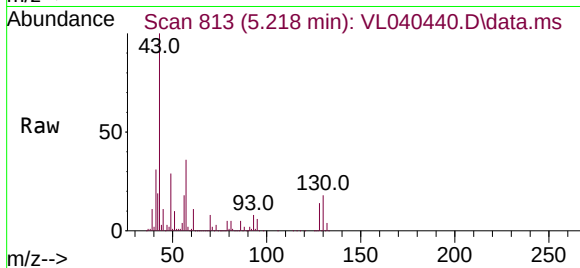
Ion Ratio Lower Upper

43 100

45 10.6 8.6 13.0

61 10.2 8.6 12.8

70 7.2 6.0 9.0



#26

Hexane

Concen: 10.155 ppbv

RT: 5.227 min Scan# 816

Delta R.T. 0.003 min

Lab File: VL040440.D

Acq: 16 May 2023 16:19

Tgt Ion: 57 Resp: 1019689

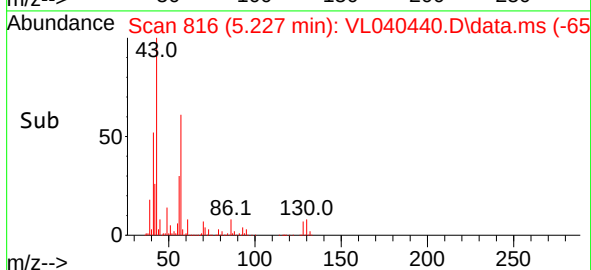
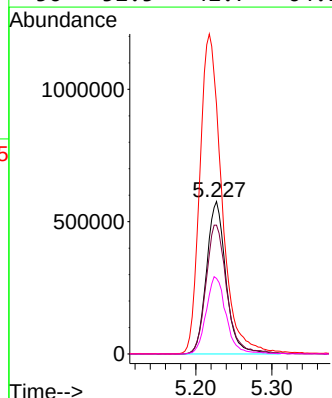
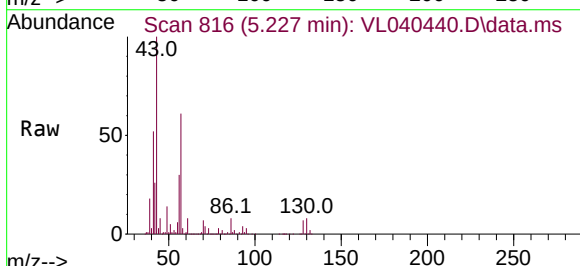
Ion Ratio Lower Upper

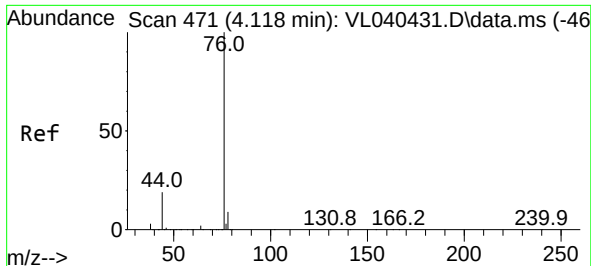
57 100

41 91.5 75.1 112.7

43 238.5 194.4 291.6

56 52.5 42.7 64.1

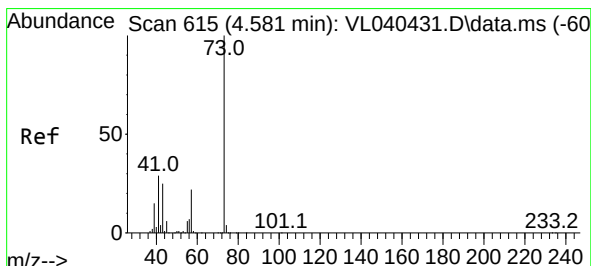
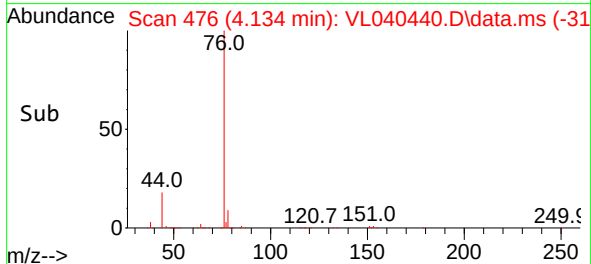
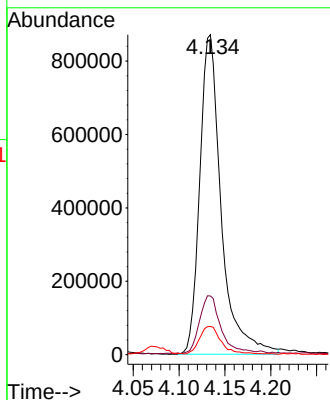
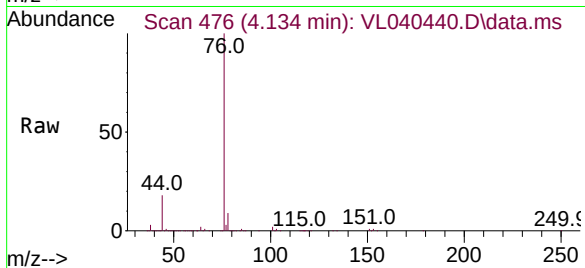




#27
Carbon Disulfide
Concen: 10.734 ppbv
RT: 4.134 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

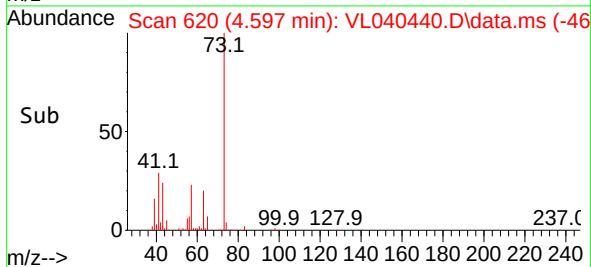
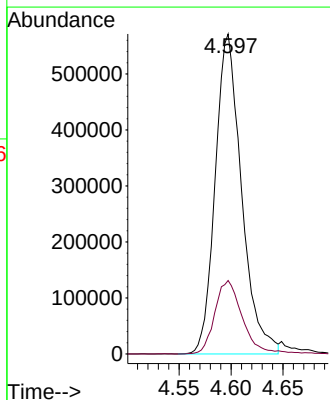
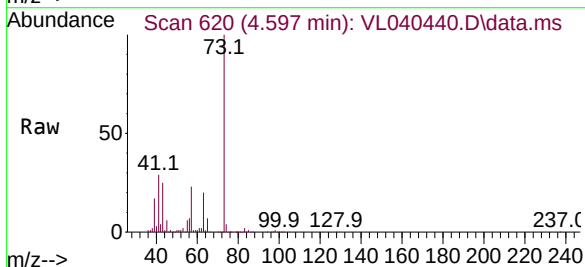
Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

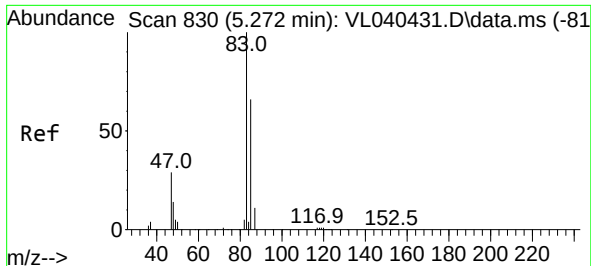
Tgt Ion: 76 Resp: 1416751
Ion Ratio Lower Upper
76 100
44 18.5 15.3 22.9
78 9.3 7.4 11.2



#28
Methyl tert-Butyl Ether
Concen: 9.439 ppbv
RT: 4.597 min Scan# 620
Delta R.T. 0.003 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

Tgt Ion: 73 Resp: 1006912
Ion Ratio Lower Upper
73 100
57 24.4 18.9 28.3





#29

Chloroform

Concen: 9.615 ppbv

RT: 5.292 min Scan# 81

Delta R.T. 0.007 min

Lab File: VL040440.D

Acq: 16 May 2023 16:19

Instrument :

MSVOA_L

ClientSampleId :

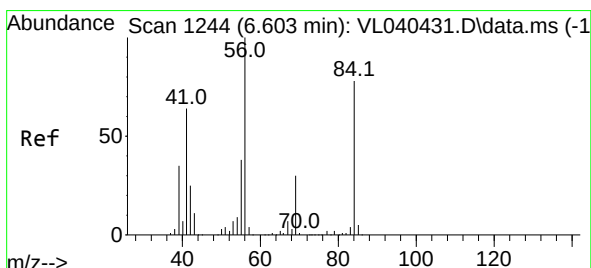
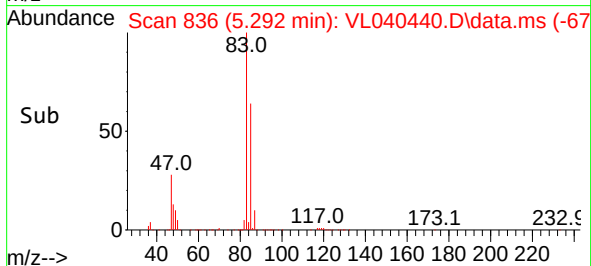
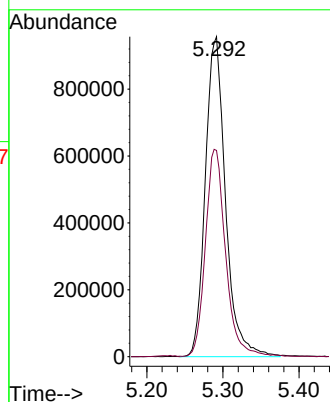
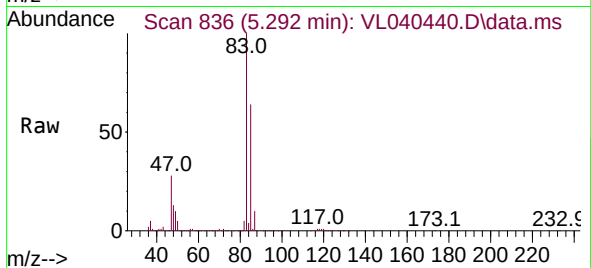
VL0516ABS01

Tgt Ion: 83 Resp: 1760456

Ion Ratio Lower Upper

83 100

85 64.3 52.4 78.6



#30

Cyclohexane

Concen: 10.137 ppbv

RT: 6.623 min Scan# 1250

Delta R.T. 0.007 min

Lab File: VL040440.D

Acq: 16 May 2023 16:19

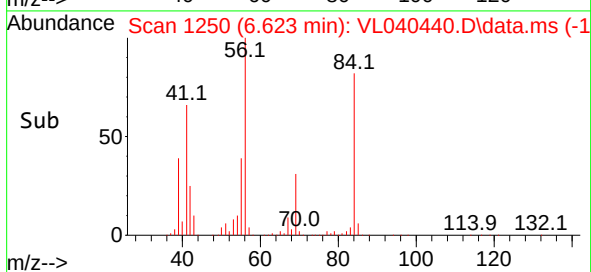
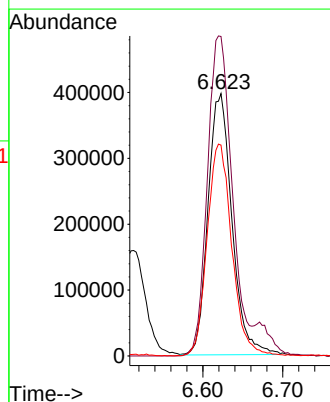
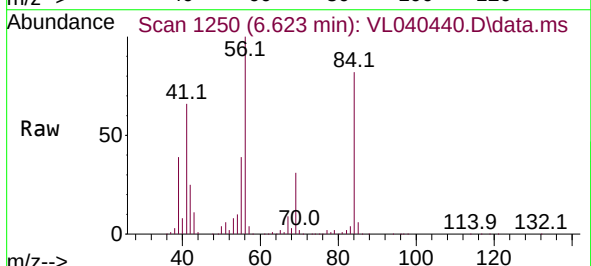
Tgt Ion: 84 Resp: 828043

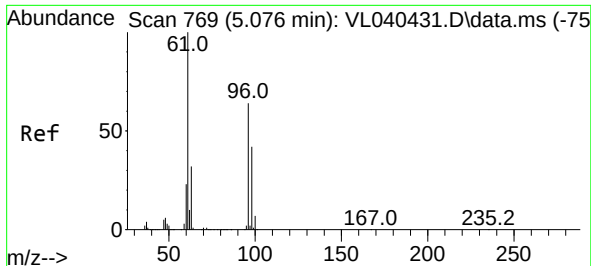
Ion Ratio Lower Upper

84 100

56 135.1 108.2 162.4

41 84.1 66.9 100.3





#31

cis-1,2-Dichloroethene

Concen: 10.333 ppbv

RT: 5.092 min Scan# 7

Delta R.T. 0.003 min

Lab File: VL040440.D

Acq: 16 May 2023 16:19

Instrument :

MSVOA_L

ClientSampleId :

VL0516ABS01

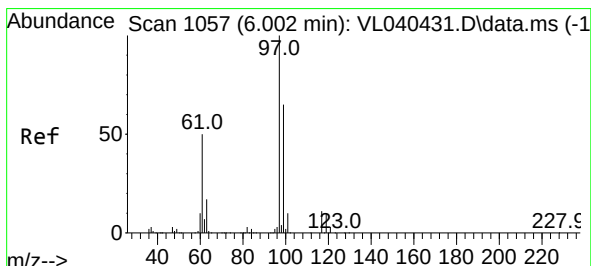
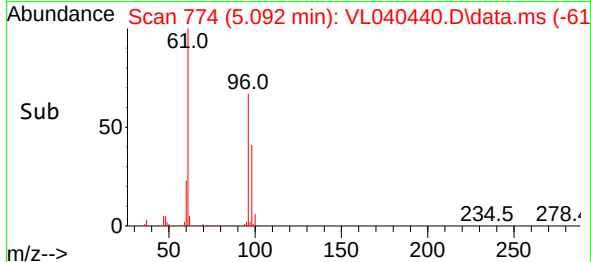
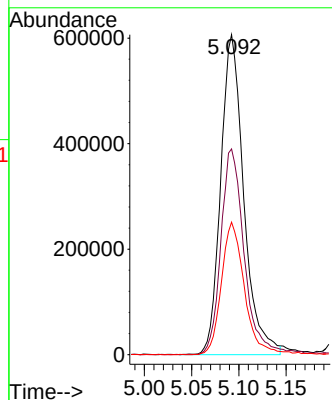
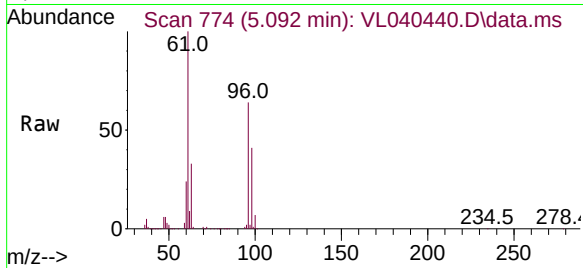
Tgt Ion: 61 Resp: 1027585

Ion Ratio Lower Upper

61 100

96 64.3 51.4 77.0

98 41.3 33.6 50.4



#32

1,1,1-Trichloroethane

Concen: 9.461 ppbv

RT: 6.018 min Scan# 1062

Delta R.T. 0.003 min

Lab File: VL040440.D

Acq: 16 May 2023 16:19

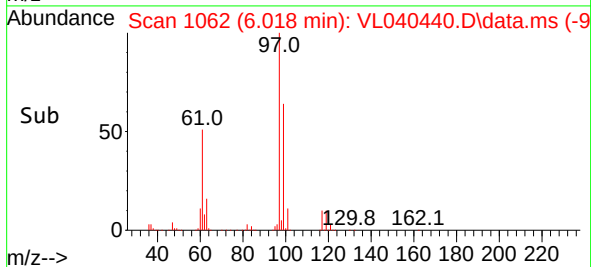
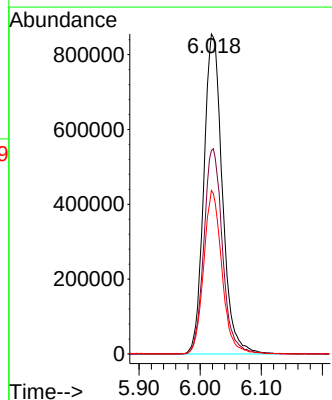
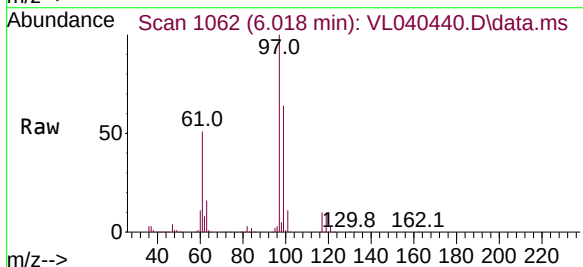
Tgt Ion: 97 Resp: 1799694

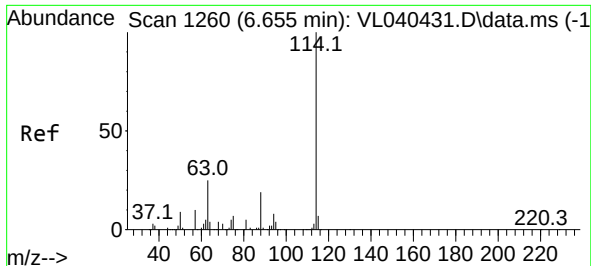
Ion Ratio Lower Upper

97 100

99 64.4 52.2 78.2

61 50.2 40.2 60.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.674 min Scan# 114

Delta R.T. 0.003 min

Lab File: VL040440.D

Acq: 16 May 2023 16:19

Instrument :

MSVOA_L

ClientSampleId :

VL0516ABS01

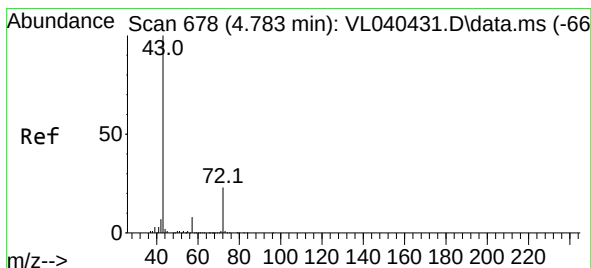
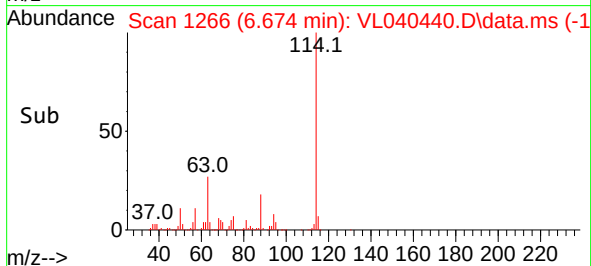
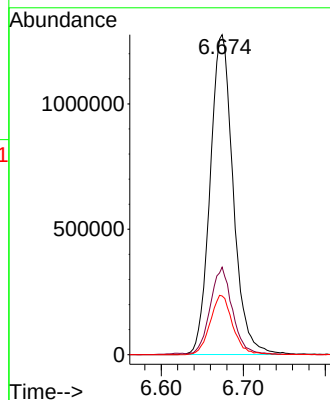
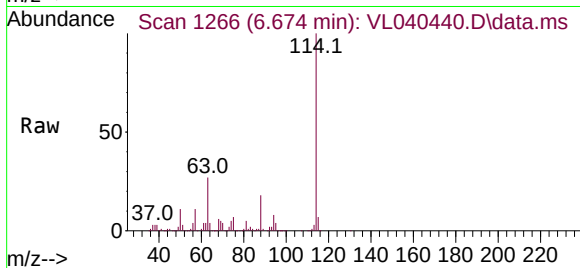
Tgt Ion:114 Resp: 2489887

Ion Ratio Lower Upper

114 100

63 27.0 21.0 31.6

88 18.3 14.6 22.0



#34

2-Butanone

Concen: 10.367 ppbv

RT: 4.796 min Scan# 682

Delta R.T. 0.000 min

Lab File: VL040440.D

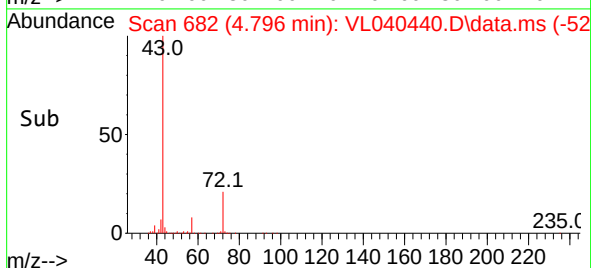
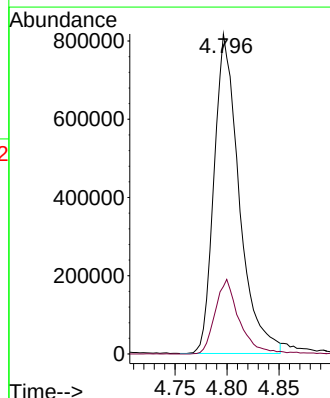
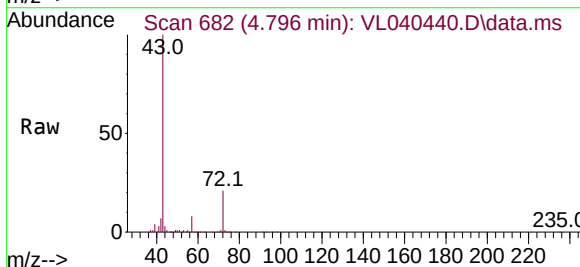
Acq: 16 May 2023 16:19

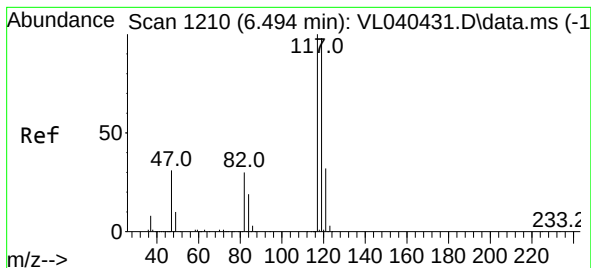
Tgt Ion: 43 Resp: 1374155

Ion Ratio Lower Upper

43 100

72 22.8 18.3 27.5





#35

Carbon Tetrachloride

Concen: 10.292 ppbv

RT: 6.513 min Scan# 1177

Delta R.T. 0.003 min

Lab File: VL040440.D

Acq: 16 May 2023 16:19

Instrument :

MSVOA_L

ClientSampleId :

VL0516ABS01

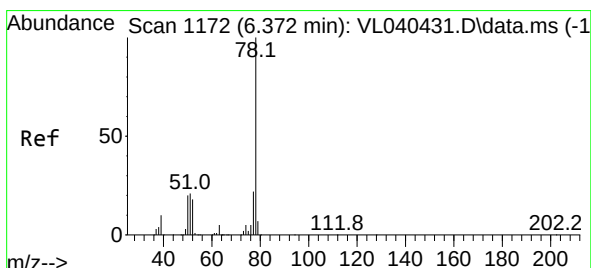
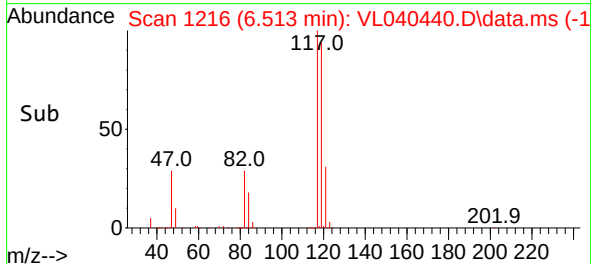
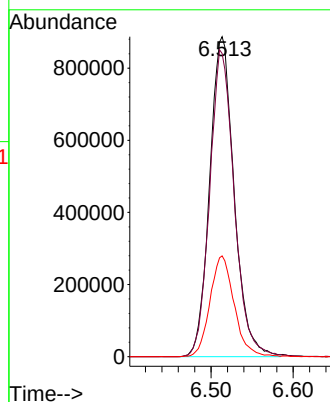
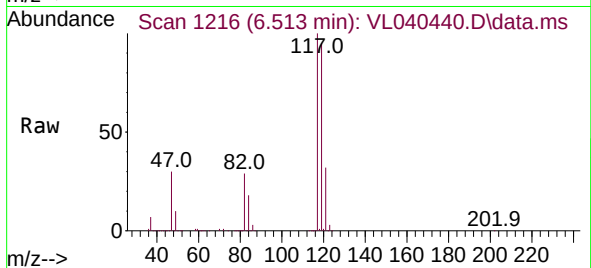
Tgt Ion:117 Resp: 1839456

Ion Ratio Lower Upper

117 100

119 94.7 78.0 117.0

121 31.5 25.2 37.8



#36

Benzene

Concen: 10.334 ppbv

RT: 6.388 min Scan# 1177

Delta R.T. 0.003 min

Lab File: VL040440.D

Acq: 16 May 2023 16:19

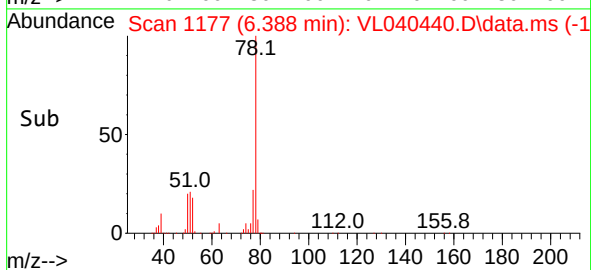
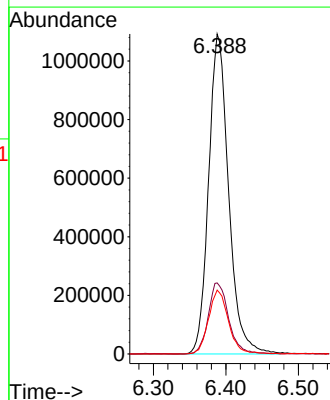
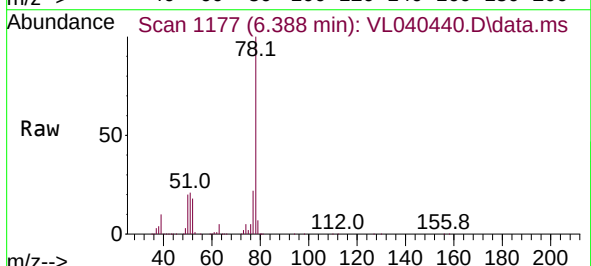
Tgt Ion: 78 Resp: 2089833

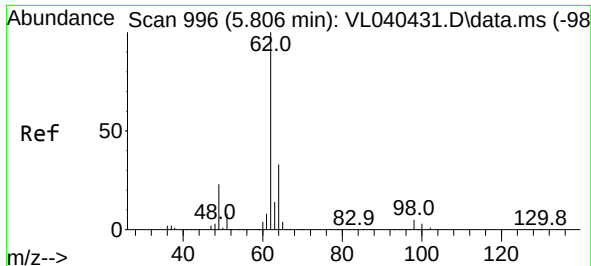
Ion Ratio Lower Upper

78 100

77 22.1 17.7 26.5

50 19.9 15.8 23.8

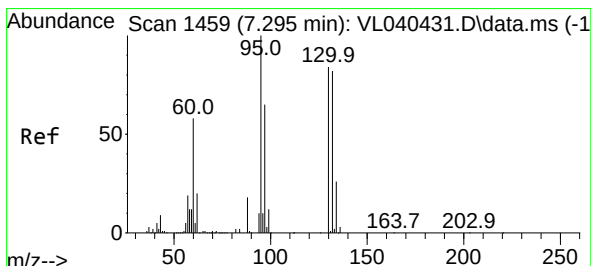
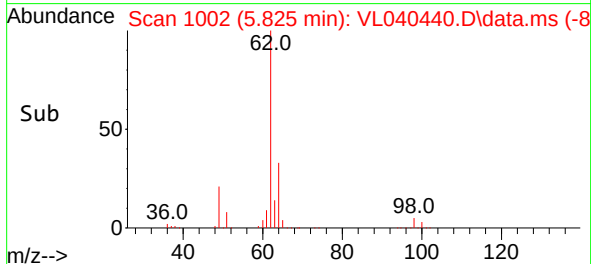
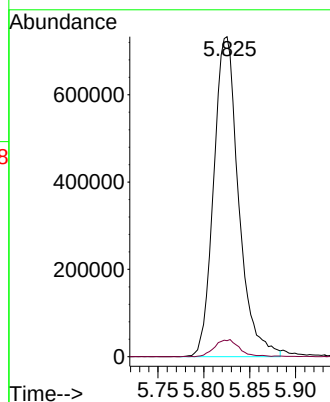
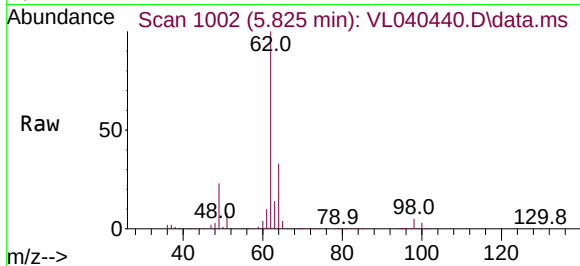




#37
1,2-Dichloroethane
Concen: 10.491 ppbv
RT: 5.825 min Scan# 10
Delta R.T. 0.007 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

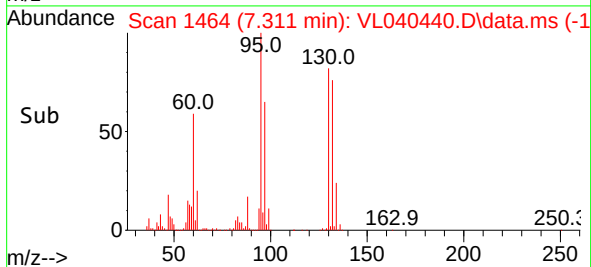
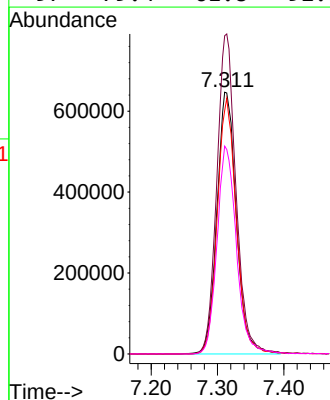
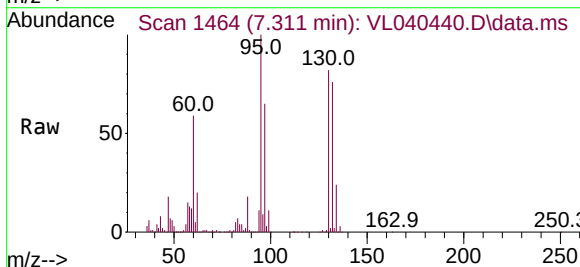
Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

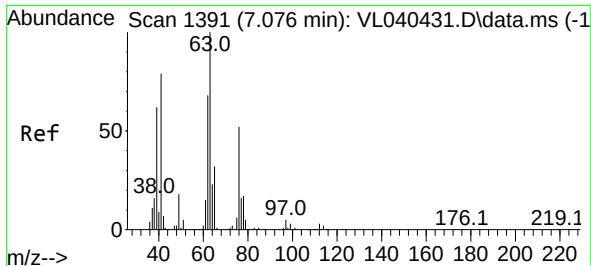
Tgt Ion: 62 Resp: 1386294
Ion Ratio Lower Upper
62 100
98 5.5 4.5 6.7



#38
Trichloroethene
Concen: 10.570 ppbv
RT: 7.311 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

Tgt Ion:130 Resp: 1316848
Ion Ratio Lower Upper
130 100
95 121.5 94.8 142.2
132 93.0 78.2 117.4
97 79.4 61.8 92.8





#39

1,2-Dichloropropane

Concen: 10.112 ppbv

RT: 7.092 min Scan# 1

Delta R.T. 0.003 min

Lab File: VL040440.D

Acq: 16 May 2023 16:19

Instrument :

MSVOA_L

ClientSampleId :

VL0516ABS01

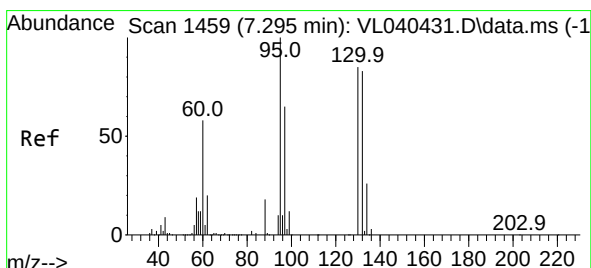
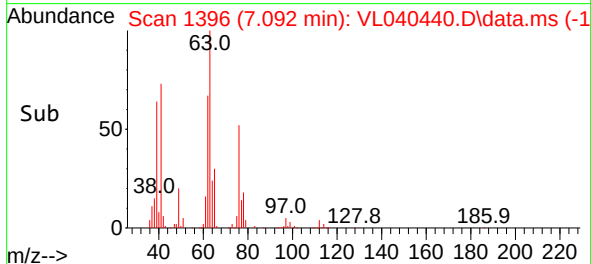
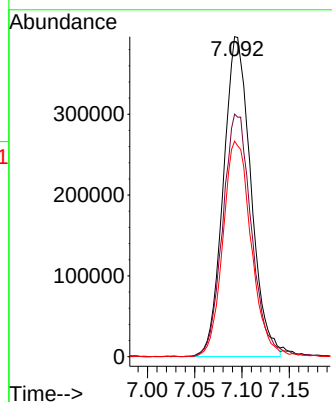
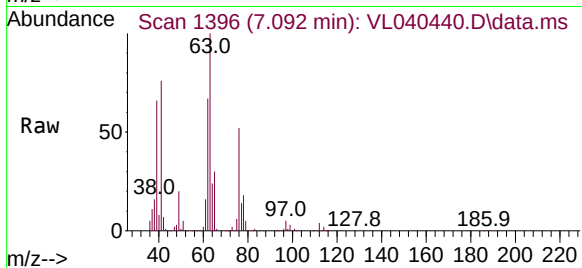
Tgt Ion: 63 Resp: 801009

Ion Ratio Lower Upper

63 100

41 75.8 63.3 94.9

62 67.4 54.2 81.4



#40

1,4-Dioxane

Concen: 10.376 ppbv

RT: 7.308 min Scan# 1463

Delta R.T. 0.003 min

Lab File: VL040440.D

Acq: 16 May 2023 16:19

Tgt Ion: 88 Resp: 312642

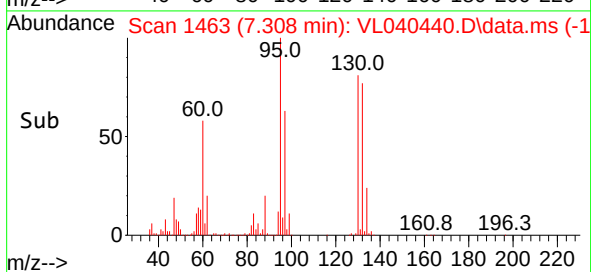
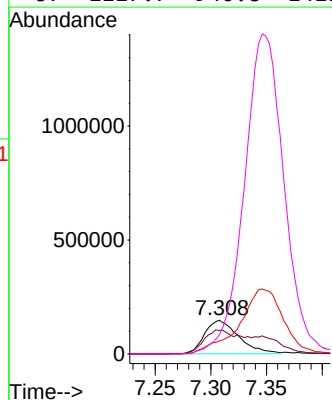
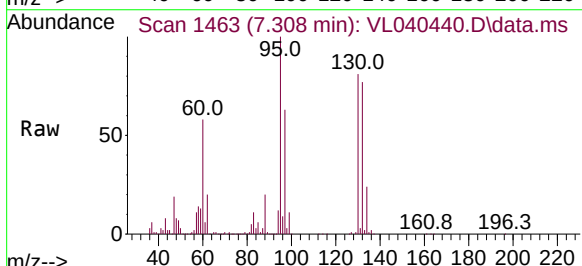
Ion Ratio Lower Upper

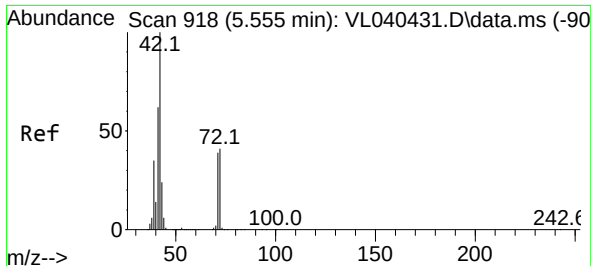
88 100

58 124.5 101.5 152.3

43 253.0 211.7 317.5

57 1117.7 940.8 1411.2





#41

Tetrahydrofuran

Concen: 10.692 ppbv

RT: 5.571 min Scan# 918

Delta R.T. 0.003 min

Lab File: VL040440.D

Acq: 16 May 2023 16:19

Instrument :

MSVOA_L

ClientSampleId :

VL0516ABS01

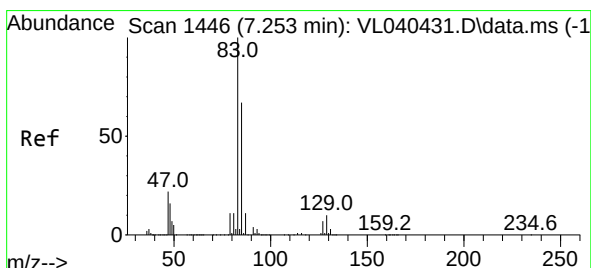
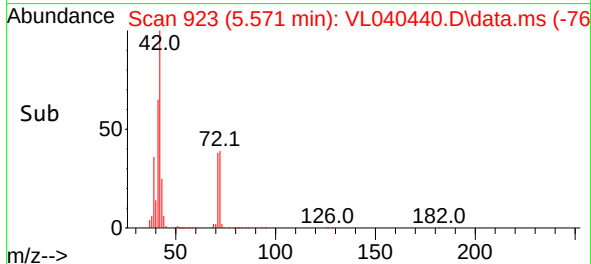
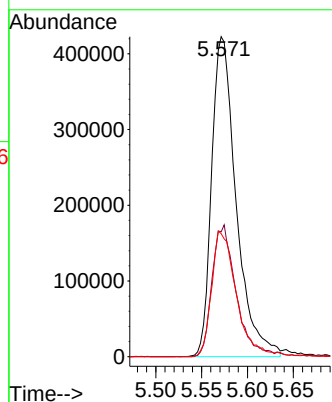
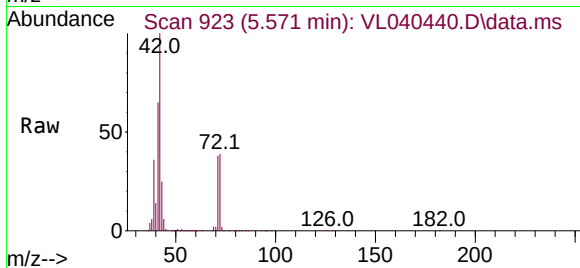
Tgt Ion: 42 Resp: 786438

Ion Ratio Lower Upper

42 100

72 41.1 33.0 49.4

71 40.0 32.2 48.2



#42

Bromodichloromethane

Concen: 10.855 ppbv

RT: 7.269 min Scan# 1451

Delta R.T. 0.003 min

Lab File: VL040440.D

Acq: 16 May 2023 16:19

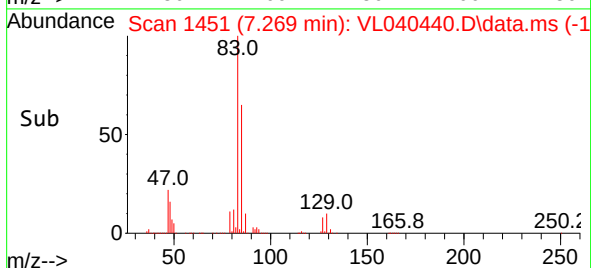
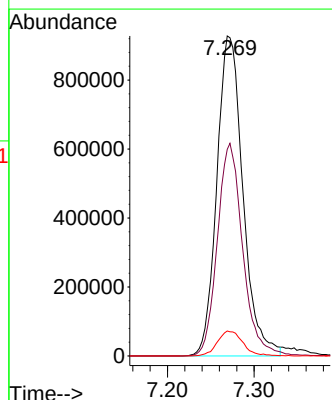
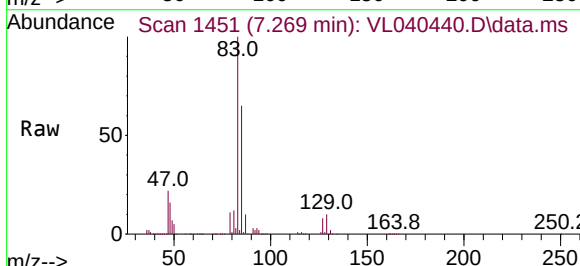
Tgt Ion: 83 Resp: 1941571

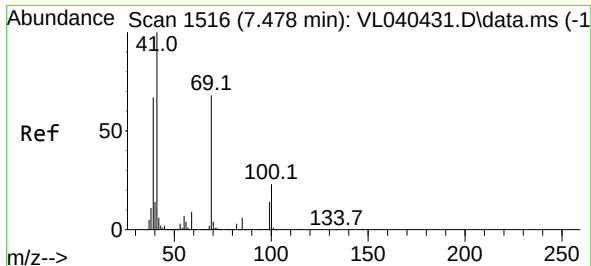
Ion Ratio Lower Upper

83 100

85 64.5 53.6 80.4

127 7.8 5.9 8.9

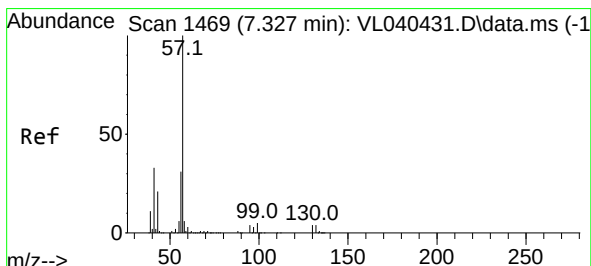
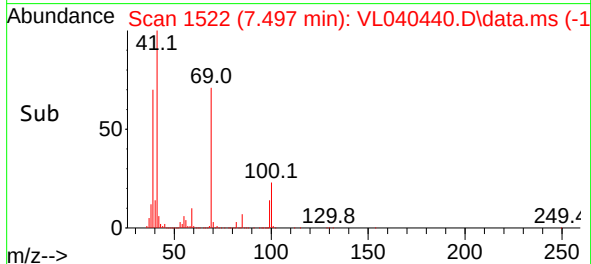
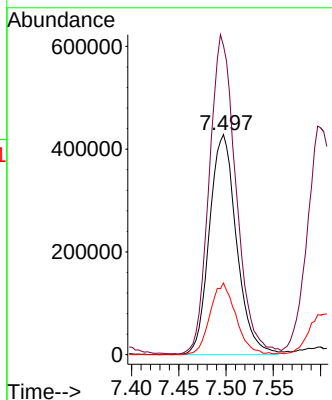
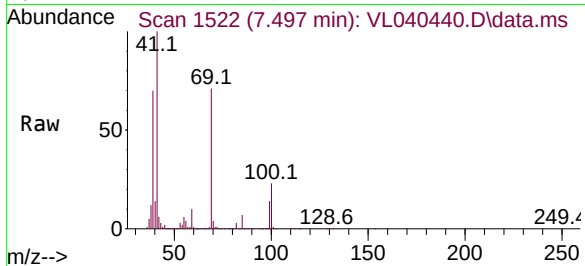




#43
Methyl Methacrylate
Concen: 11.440 ppbv
RT: 7.497 min Scan# 11
Delta R.T. 0.007 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

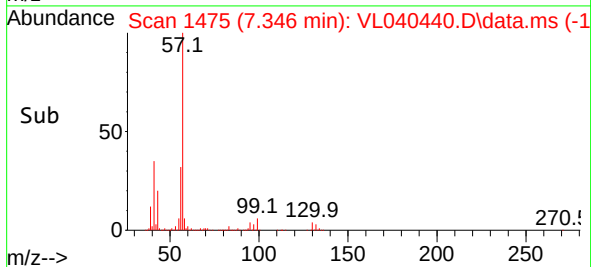
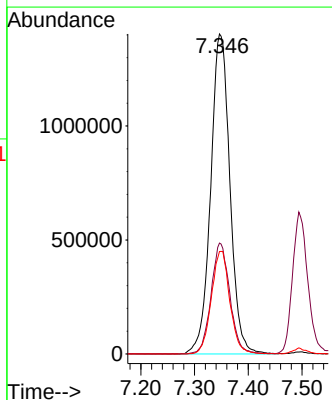
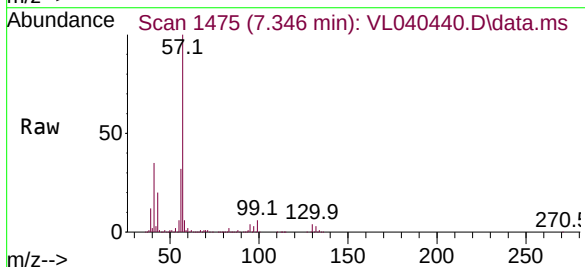
Instrument :
MSVOA_1
ClientSampleId :
VL0516ABS01

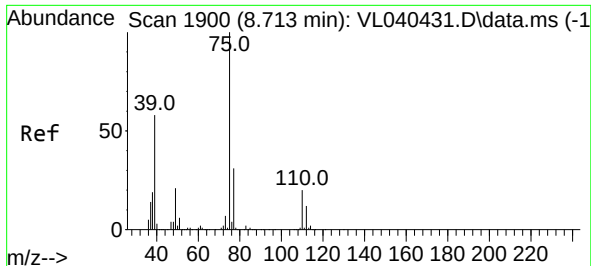
Tgt Ion: 69 Resp: 855850
Ion Ratio Lower Upper
69 100
41 143.4 114.8 172.2
100 31.2 25.4 38.0



#44
2,2,4-Trimethylpentane
Concen: 10.442 ppbv
RT: 7.346 min Scan# 1475
Delta R.T. 0.003 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

Tgt Ion: 57 Resp: 3494505
Ion Ratio Lower Upper
57 100
41 33.8 27.0 40.4
56 30.9 25.0 37.4





#45

t-1,3-Dichloropropene

Concen: 12.815 ppbv

RT: 8.735 min Scan# 1900

Delta R.T. 0.007 min

Lab File: VL040440.D

Acq: 16 May 2023 16:19

Instrument :

MSVOA_L

ClientSampleId :

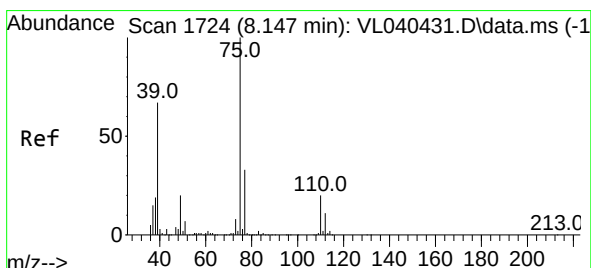
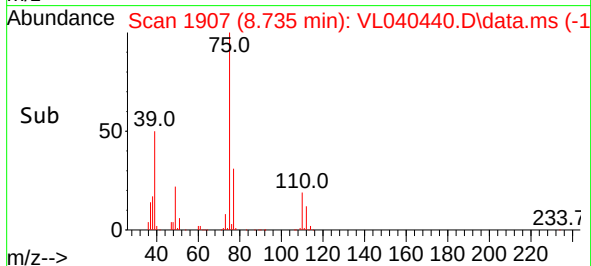
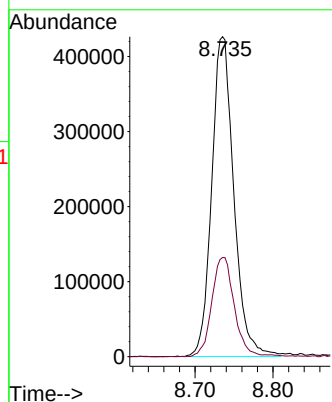
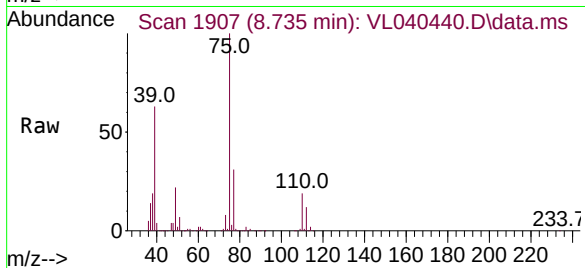
VL0516ABS01

Tgt Ion: 75 Resp: 839868

Ion Ratio Lower Upper

75 100

77 31.0 25.0 37.6



#46

cis-1,3-Dichloropropene

Concen: 12.165 ppbv

RT: 8.166 min Scan# 1730

Delta R.T. 0.003 min

Lab File: VL040440.D

Acq: 16 May 2023 16:19

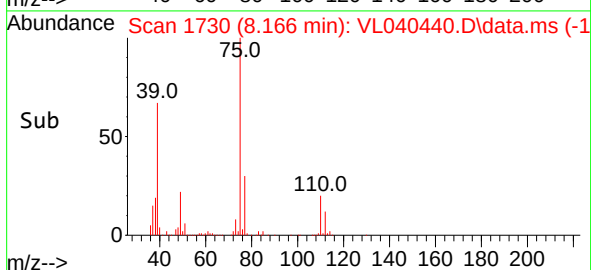
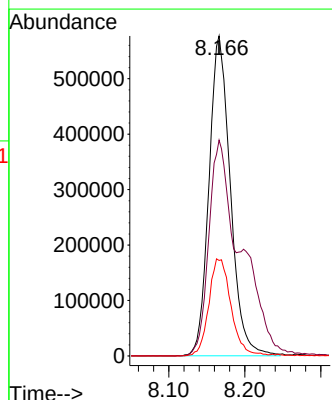
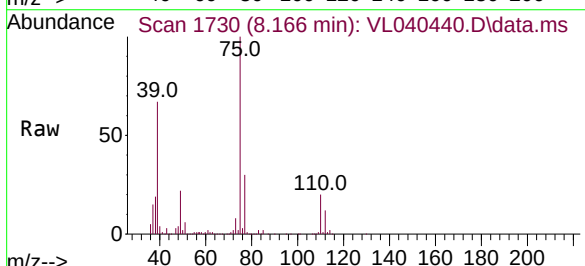
Tgt Ion: 75 Resp: 1126645

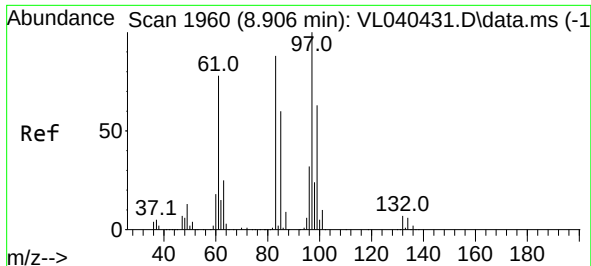
Ion Ratio Lower Upper

75 100

39 67.4 53.8 80.8

77 29.8 26.3 39.5



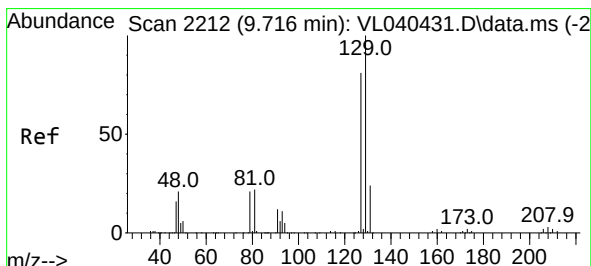
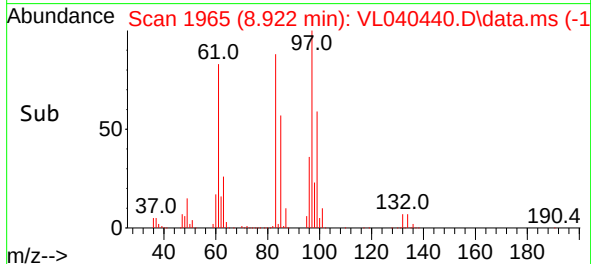
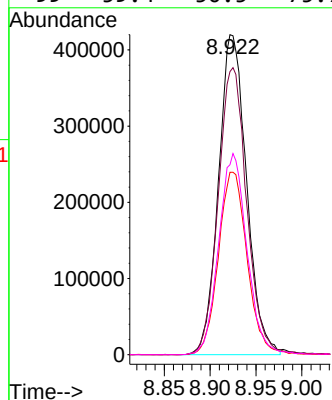
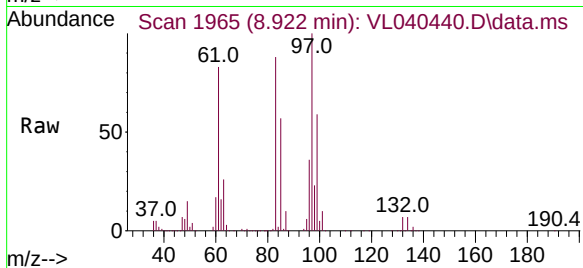


#47
 1,1,2-Trichloroethane
 Concen: 10.318 ppbv
 RT: 8.922 min Scan# 1965
 Delta R.T. 0.000 min
 Lab File: VL040440.D
 Acq: 16 May 2023 16:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0516ABS01

Tgt Ion: 97 Resp: 892121

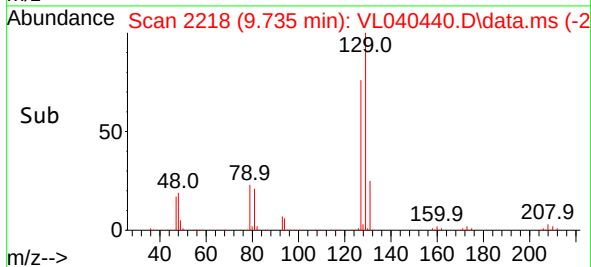
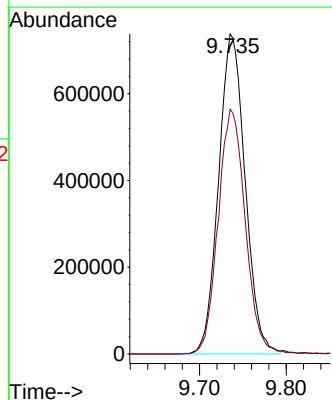
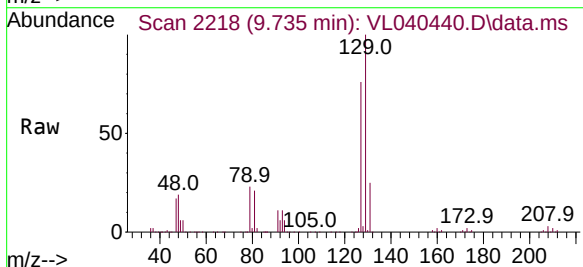
Ion	Ratio	Lower	Upper
97	100		
83	88.5	70.3	105.5
85	57.0	47.7	71.5
99	59.4	50.5	75.7

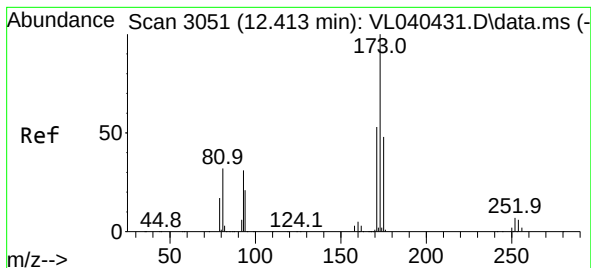


#48
 Dibromochloromethane
 Concen: 11.376 ppbv
 RT: 9.735 min Scan# 2218
 Delta R.T. 0.003 min
 Lab File: VL040440.D
 Acq: 16 May 2023 16:19

Tgt Ion: 129 Resp: 1571029

Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.2	117.6





#49

Bromoform

Concen: 11.743 ppbv

RT: 12.436 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VL040440.D

Acq: 16 May 2023 16:19

Instrument :

MSVOA_L

ClientSampleId :

VL0516ABS01

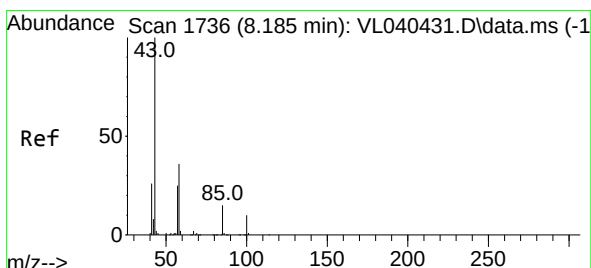
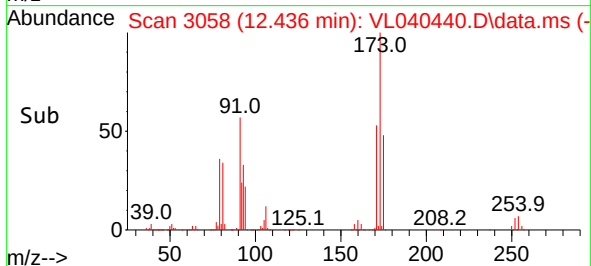
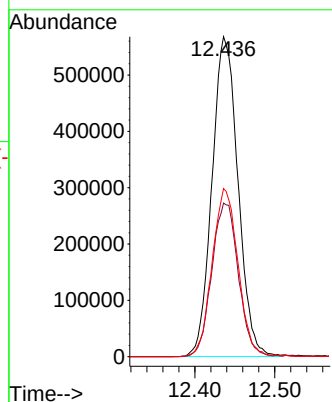
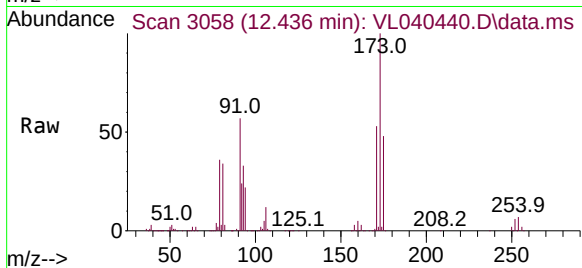
Tgt Ion:173 Resp: 1279474

Ion Ratio Lower Upper

173 100

175 49.4 39.4 59.2

171 52.7 42.0 63.0



#50

4-Methyl-2-Pentanone

Concen: 10.898 ppbv

RT: 8.201 min Scan# 1741

Delta R.T. 0.003 min

Lab File: VL040440.D

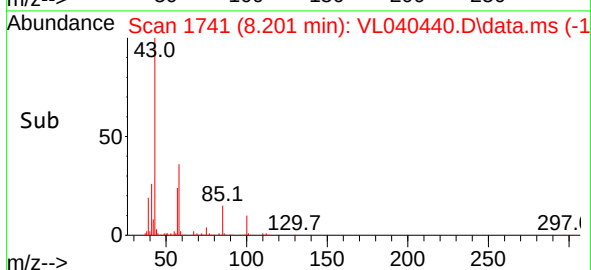
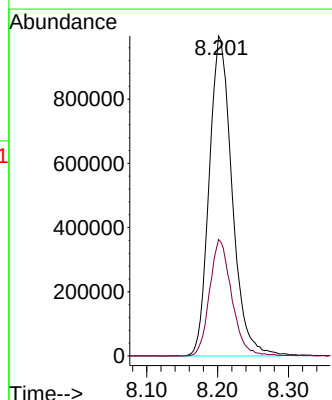
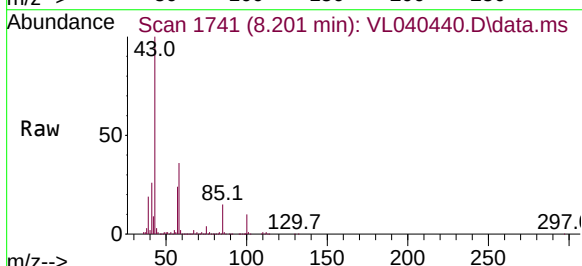
Acq: 16 May 2023 16:19

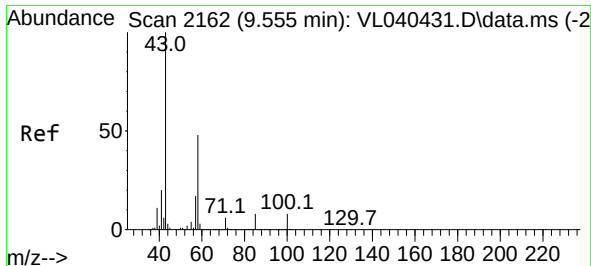
Tgt Ion: 43 Resp: 2231519

Ion Ratio Lower Upper

43 100

58 35.3 28.8 43.2

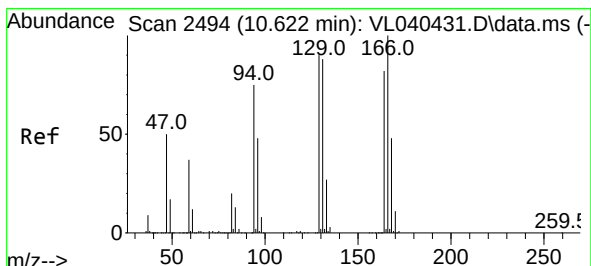
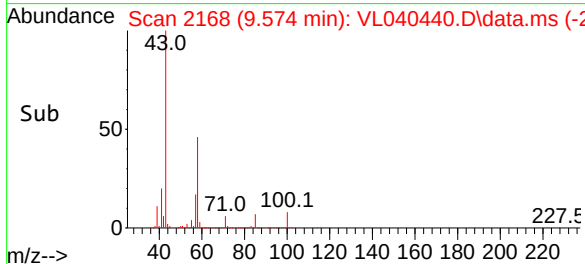
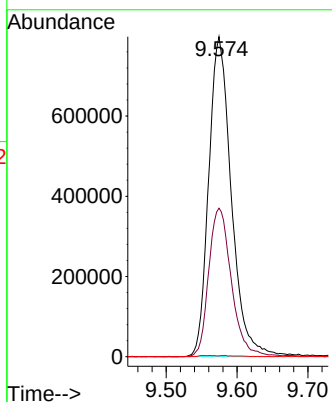
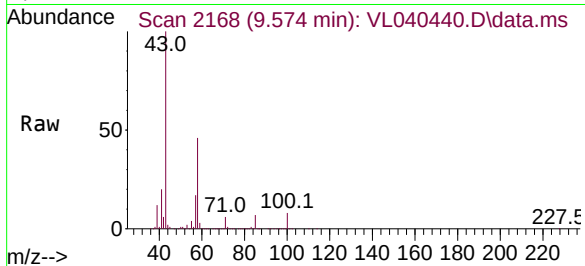




#51
2-Hexanone
Concen: 11.727 ppbv
RT: 9.574 min Scan# 2162
Delta R.T. 0.007 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

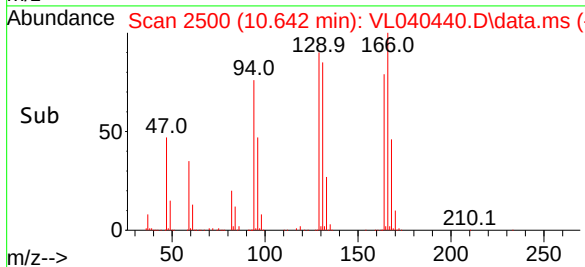
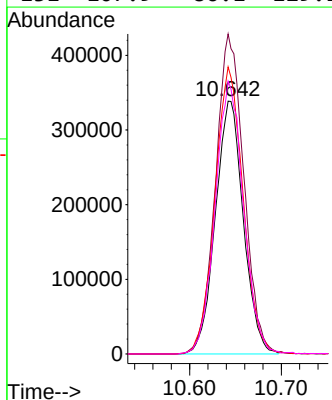
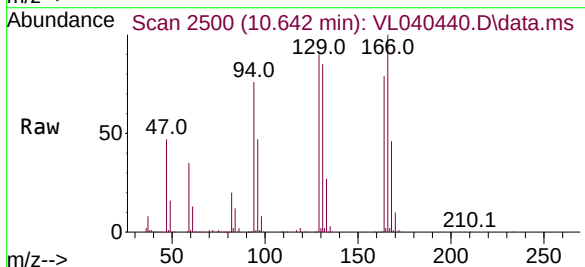
Instrument :
MSVOA_1
ClientSampleId :
VL0516ABS01

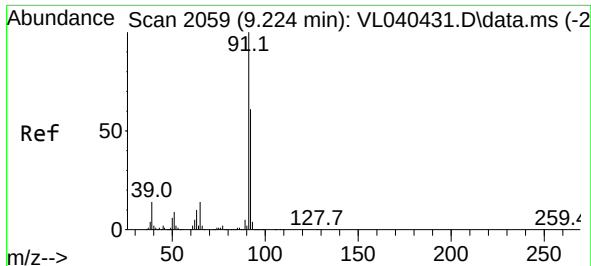
Tgt Ion: 43 Resp: 1768803
Ion Ratio Lower Upper
43 100
58 46.8 38.5 57.7
98 0.6 0.2 0.4#



#52
Tetrachloroethene
Concen: 10.438 ppbv
RT: 10.642 min Scan# 2500
Delta R.T. 0.003 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

Tgt Ion: 164 Resp: 716815
Ion Ratio Lower Upper
164 100
166 126.5 97.8 146.6
129 113.5 88.4 132.6
131 107.9 86.1 129.1

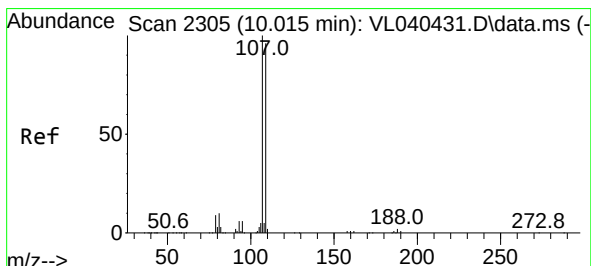
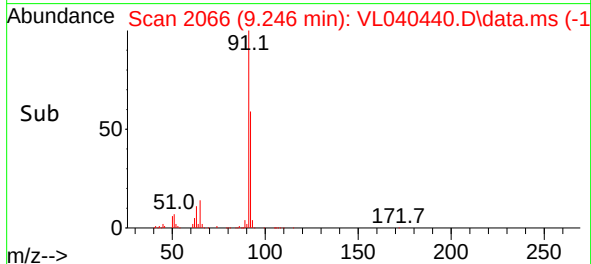
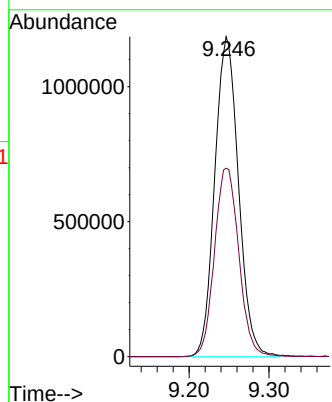
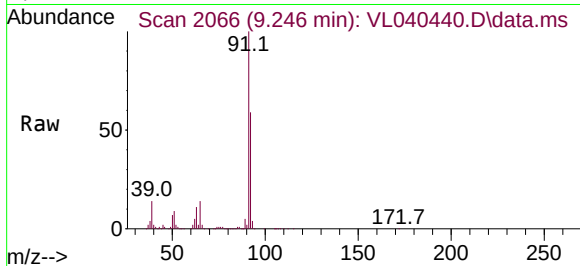




#53
Toluene
Concen: 11.424 ppbv
RT: 9.246 min Scan# 2059
Delta R.T. 0.003 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

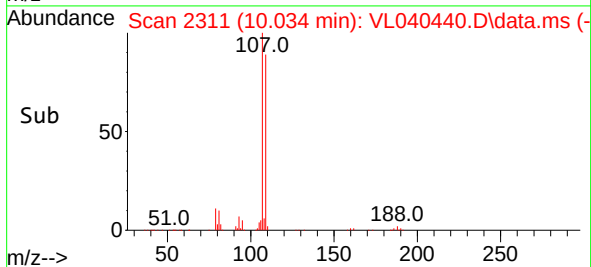
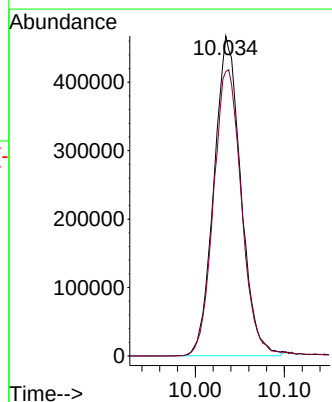
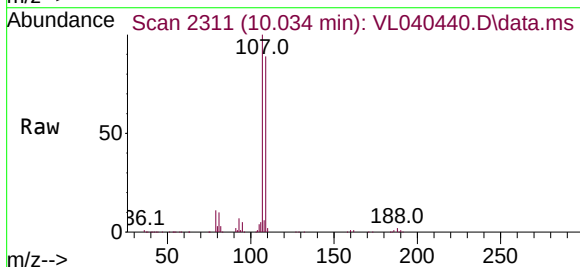
Instrument :
MSVOA_1
ClientSampleId :
VL0516ABS01

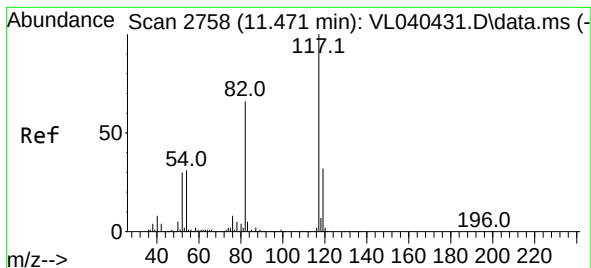
Tgt Ion: 91 Resp: 2440105
Ion Ratio Lower Upper
91 100
92 60.5 49.1 73.7



#54
1,2-Dibromoethane
Concen: 11.310 ppbv
RT: 10.034 min Scan# 2311
Delta R.T. 0.003 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

Tgt Ion: 107 Resp: 977278
Ion Ratio Lower Upper
107 100
109 88.8 76.7 115.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.497 min Scan# 2766

Delta R.T. 0.007 min

Lab File: VL040440.D

Acq: 16 May 2023 16:19

Instrument :

MSVOA_1

ClientSampleId :

VL0516ABS01

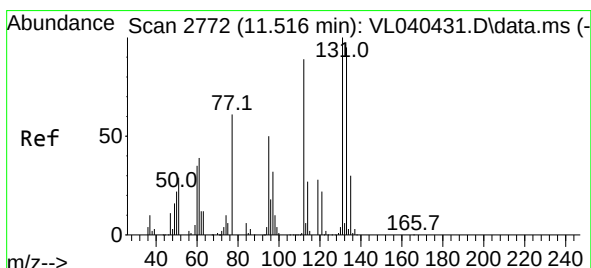
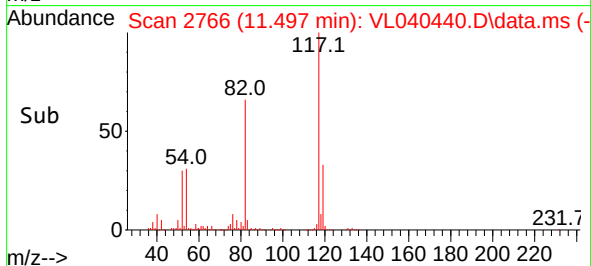
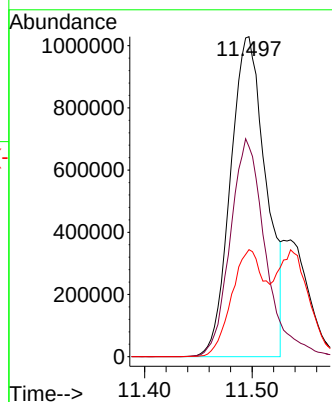
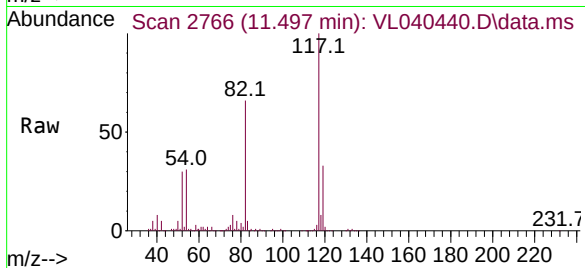
Tgt Ion:117 Resp: 2364460

Ion Ratio Lower Upper

117 100

82 67.7 52.5 78.7

119 31.1 24.0 36.0



#56

1,1,1,2-Tetrachloroethane

Concen: 10.356 ppbv

RT: 11.536 min Scan# 2778

Delta R.T. 0.007 min

Lab File: VL040440.D

Acq: 16 May 2023 16:19

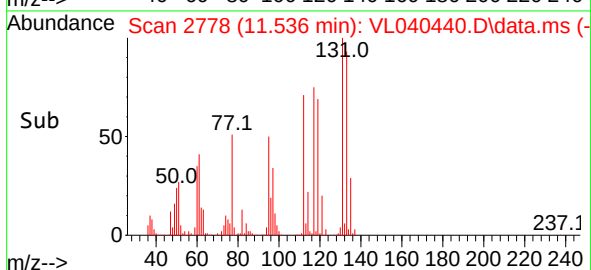
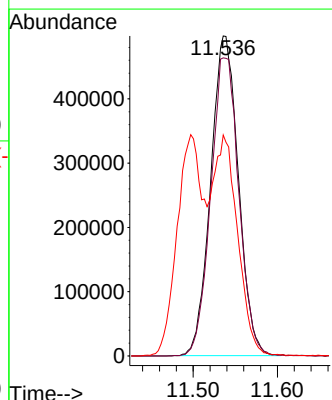
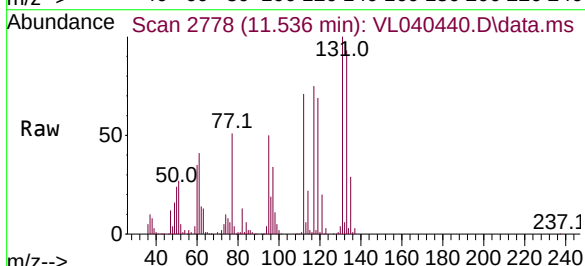
Tgt Ion:131 Resp: 1134031

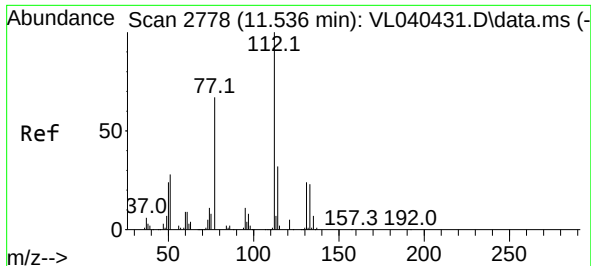
Ion Ratio Lower Upper

131 100

133 95.1 75.8 113.8

119 63.6 48.7 73.1

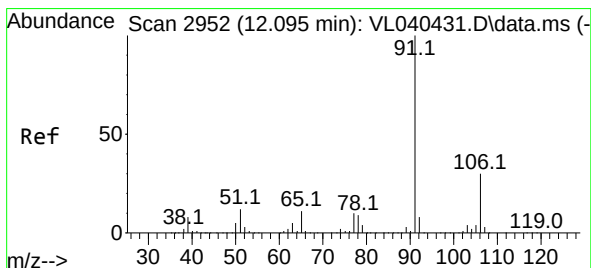
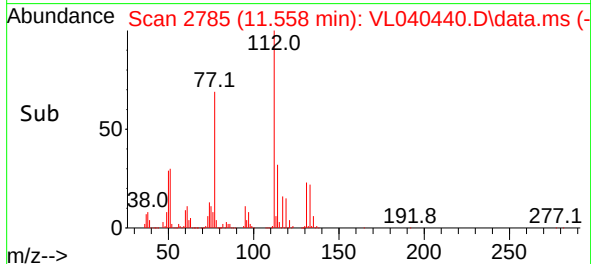
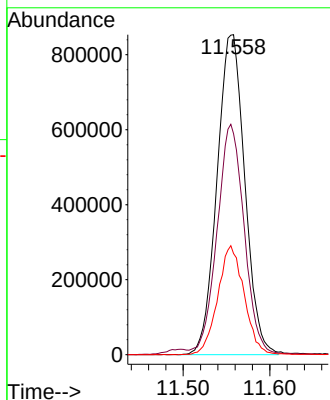
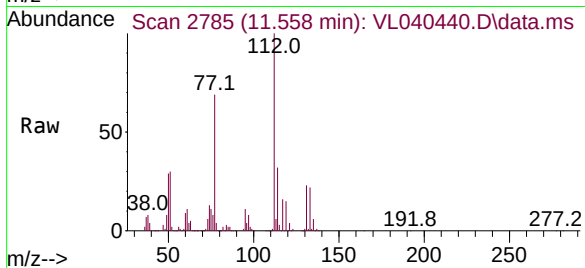




#57
Chlorobenzene
Concen: 9.996 ppbv
RT: 11.558 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

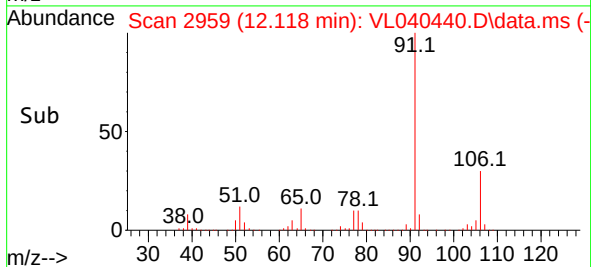
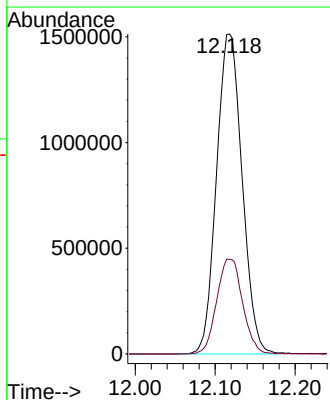
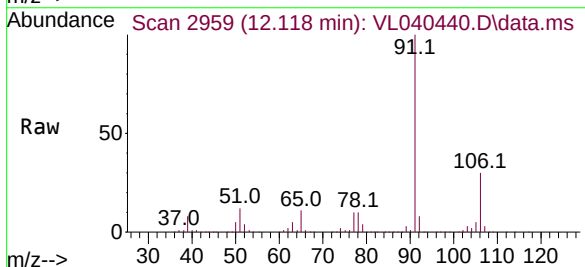
Instrument :
MSVOA_1
ClientSampleId :
VL0516ABS01

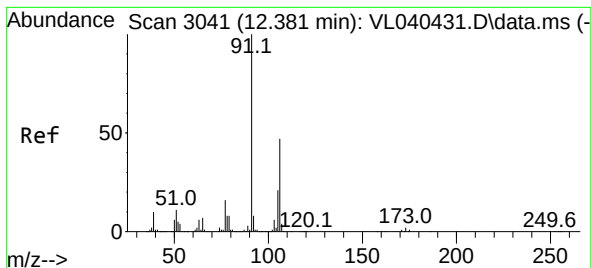
Tgt Ion:112 Resp: 1902894
Ion Ratio Lower Upper
112 100
77 68.5 54.7 82.1
114 31.6 29.0 35.4



#58
Ethyl Benzene
Concen: 11.230 ppbv
RT: 12.118 min Scan# 2959
Delta R.T. 0.007 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

Tgt Ion: 91 Resp: 3360208
Ion Ratio Lower Upper
91 100
106 29.6 23.8 35.8





#59

m/p-Xylene

Concen: 10.600 ppbv

RT: 12.401 min Scan# 3041

Delta R.T. 0.003 min

Lab File: VL040440.D

Acq: 16 May 2023 16:19

Instrument :

MSVOA_1

ClientSampleId :

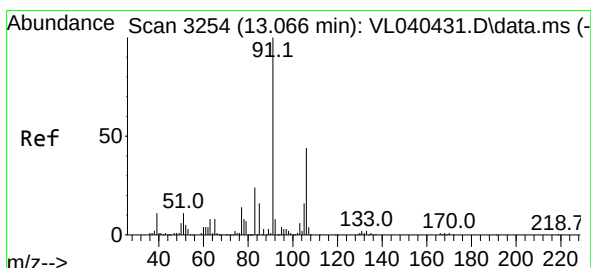
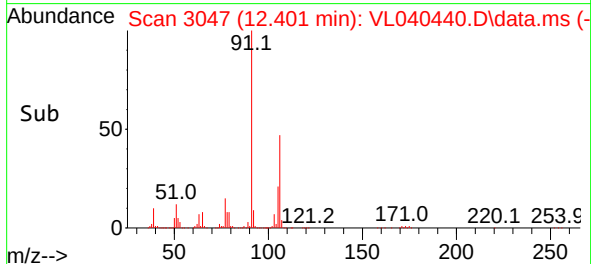
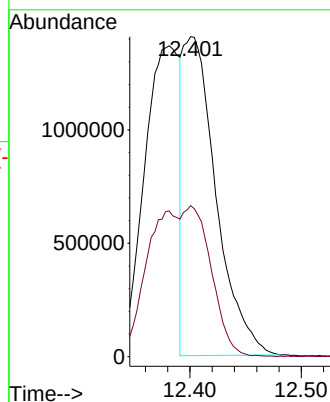
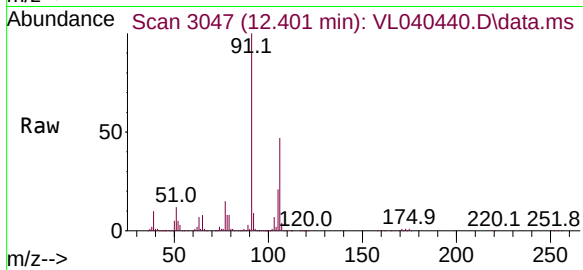
VL0516ABS01

Tgt Ion: 91 Resp: 2893157

Ion Ratio Lower Upper

91 100

106 88.5 34.9 52.3#



#60

o-Xylene

Concen: 11.060 ppbv

RT: 13.089 min Scan# 3261

Delta R.T. 0.007 min

Lab File: VL040440.D

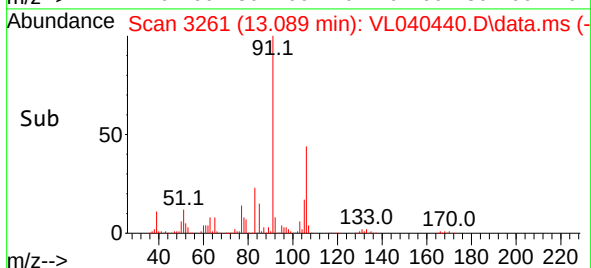
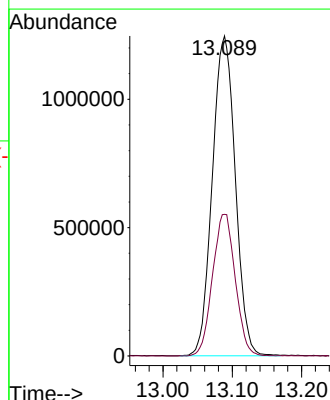
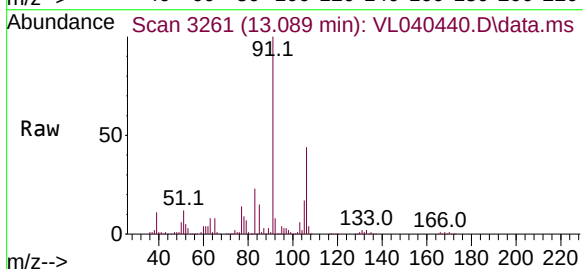
Acq: 16 May 2023 16:19

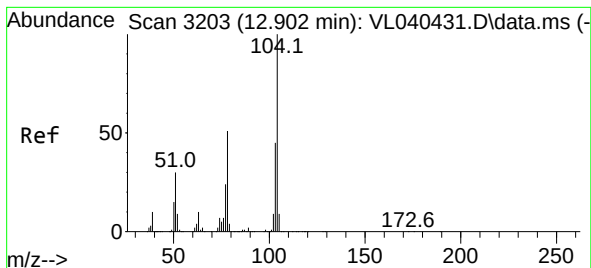
Tgt Ion: 91 Resp: 2872979

Ion Ratio Lower Upper

91 100

106 43.9 21.8 65.4





#61

Styrene

Concen: 12.478 ppbv

RT: 12.928 min Scan# 31

Delta R.T. 0.007 min

Lab File: VL040440.D

Acq: 16 May 2023 16:19

Instrument :

MSVOA_1

ClientSampleId :

VL0516ABS01

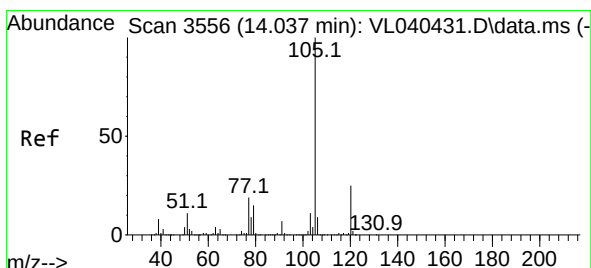
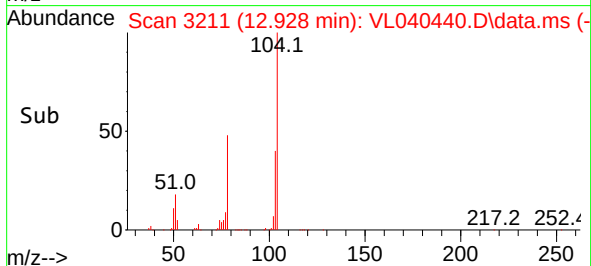
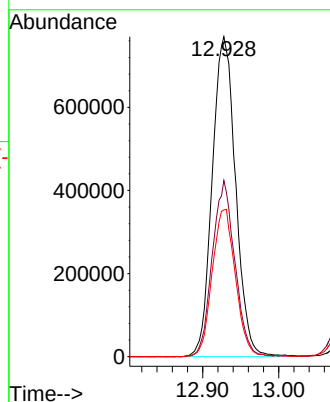
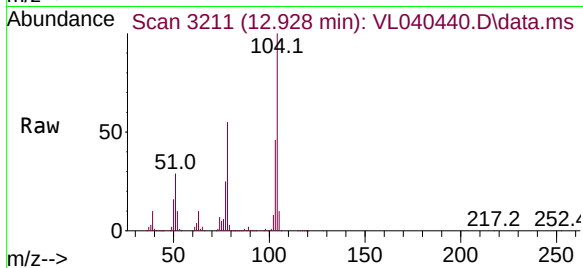
Tgt Ion:104 Resp: 1641765

Ion Ratio Lower Upper

104 100

78 53.4 43.3 64.9

103 46.1 37.4 56.2



#62

Isopropylbenzene

Concen: 10.599 ppbv

RT: 14.060 min Scan# 3563

Delta R.T. 0.003 min

Lab File: VL040440.D

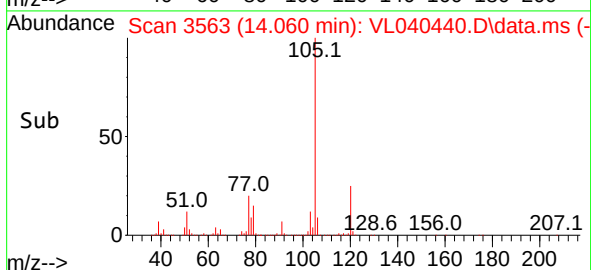
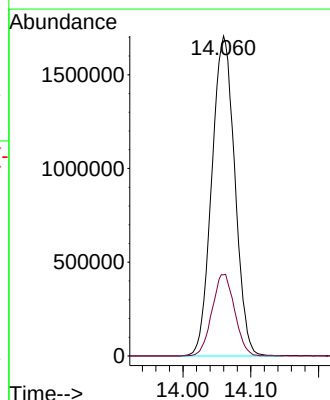
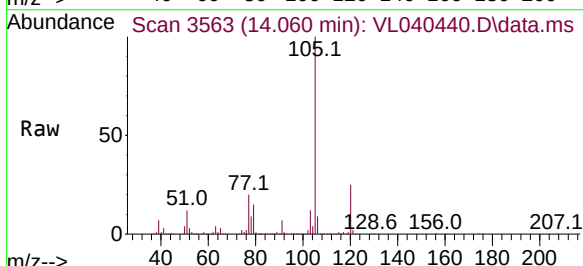
Acq: 16 May 2023 16:19

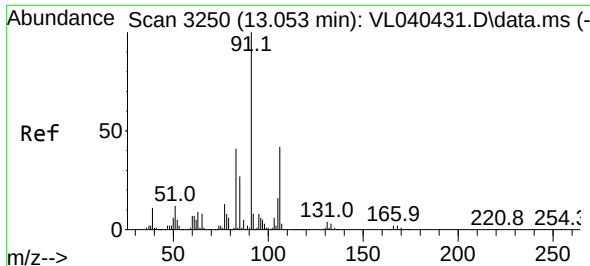
Tgt Ion:105 Resp: 4024037

Ion Ratio Lower Upper

105 100

120 25.1 20.0 30.0

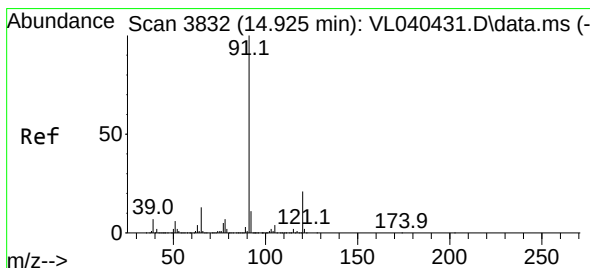
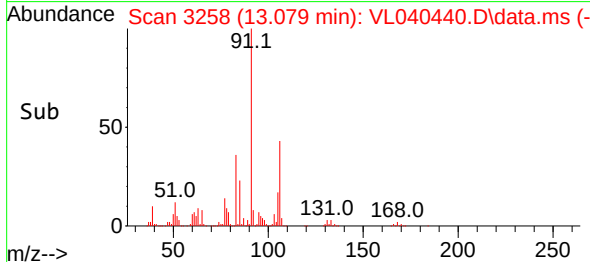
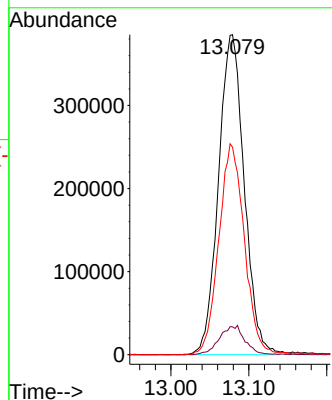
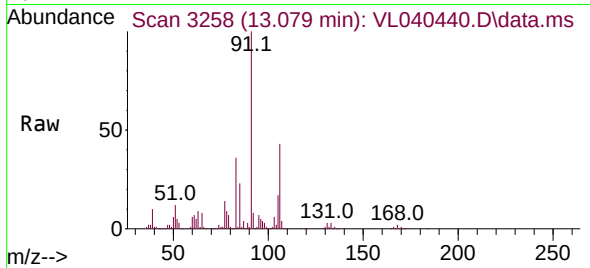




#63
1,1,2,2-Tetrachloroethane
Concen: 9.435 ppbv
RT: 13.079 min Scan# 31
Delta R.T. 0.007 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

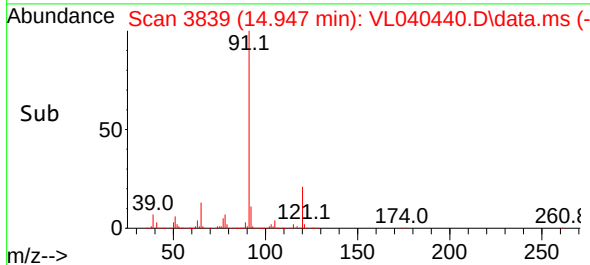
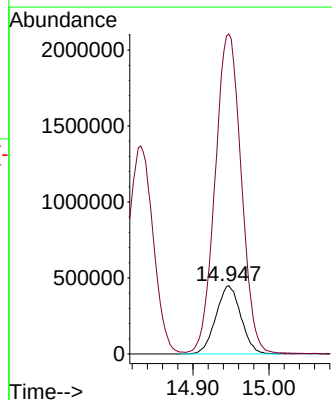
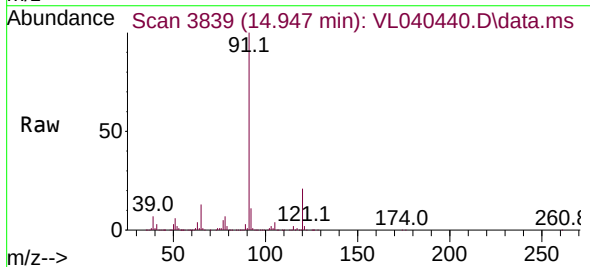
Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

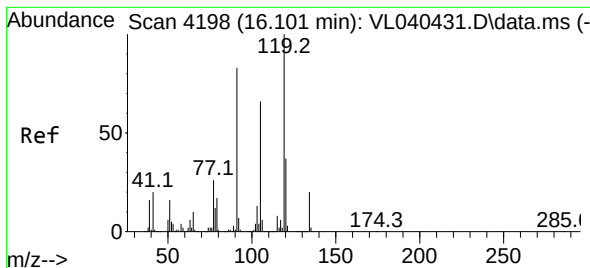
Tgt Ion: 83 Resp: 884048
Ion Ratio Lower Upper
83 100
131 9.0 4.5 13.5
85 66.2 33.0 99.0



#64
n-propylbenzene
Concen: 10.946 ppbv
RT: 14.947 min Scan# 3839
Delta R.T. 0.003 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

Tgt Ion:120 Resp: 1025354
Ion Ratio Lower Upper
120 100
91 492.3 393.2 589.8

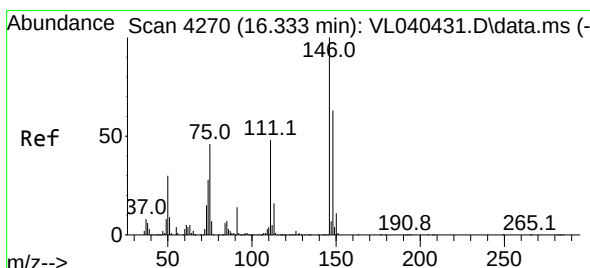
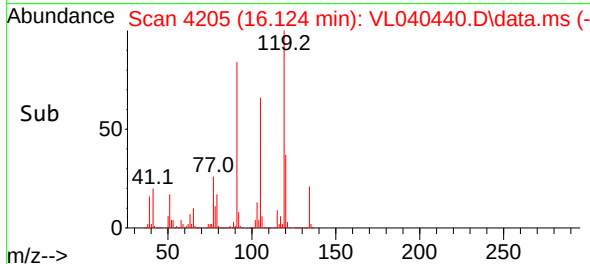
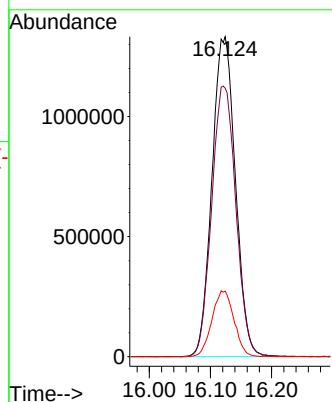
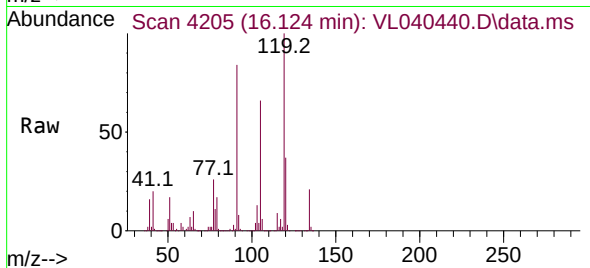




#65
tert-Butylbenzene
Concen: 10.661 ppbv
RT: 16.124 min Scan# 4198
Delta R.T. 0.007 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

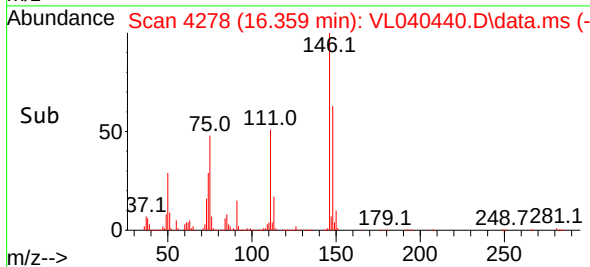
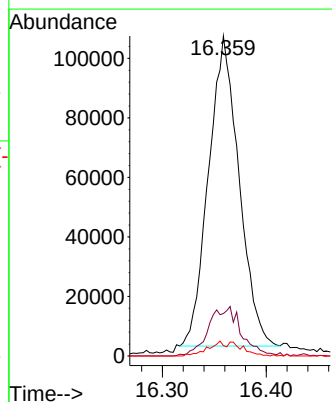
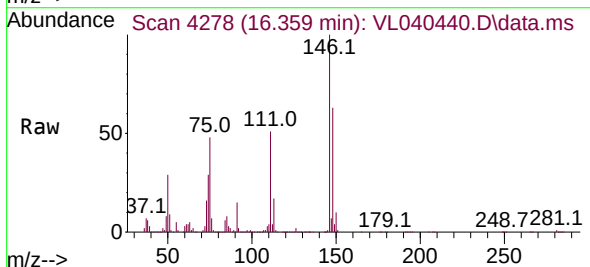
Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

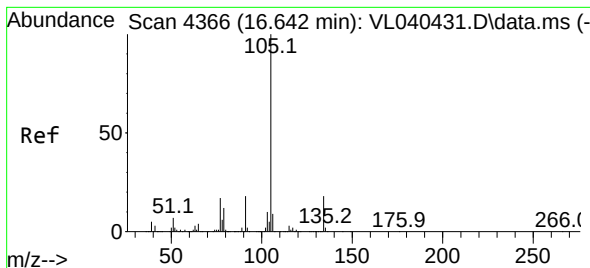
Tgt Ion:119 Resp: 3550003
Ion Ratio Lower Upper
119 100
91 87.6 69.8 104.6
134 19.4 15.4 23.2



#66
Benzyl Chloride
Concen: 10.750 ppbv
RT: 16.359 min Scan# 4278
Delta R.T. 0.007 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

Tgt Ion: 91 Resp: 212384
Ion Ratio Lower Upper
91 100
126 17.4 12.6 19.0
128 4.9 3.9 5.9





#67

sec-Butylbenzene

Concen: 10.598 ppbv

RT: 16.667 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL040440.D

Acq: 16 May 2023 16:19

Instrument :

MSVOA_1

ClientSampleId :

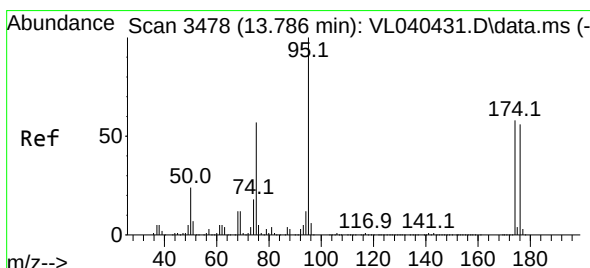
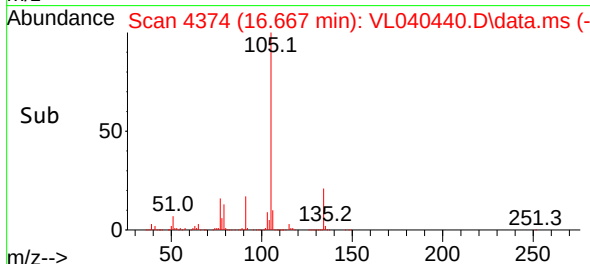
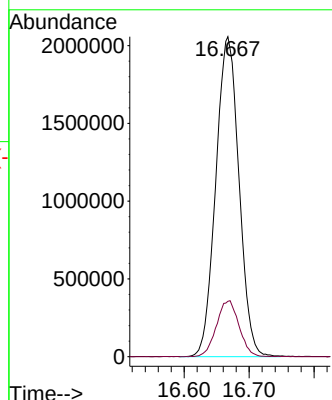
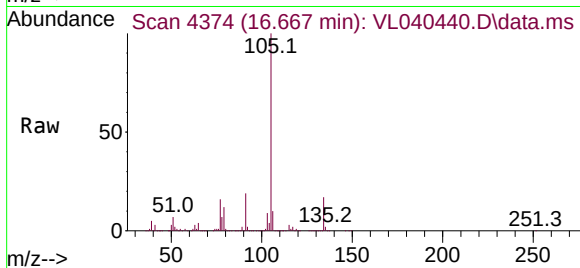
VL0516ABS01

Tgt Ion:105 Resp: 5082012

Ion Ratio Lower Upper

105 100

134 17.2 14.1 21.1



#68

1-Bromo-4-Fluorobenzene

Concen: 10.311 ppbv

RT: 13.806 min Scan# 3484

Delta R.T. 0.007 min

Lab File: VL040440.D

Acq: 16 May 2023 16:19

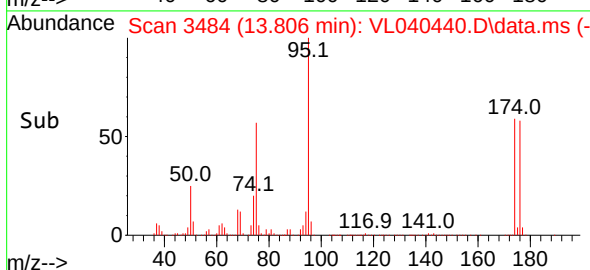
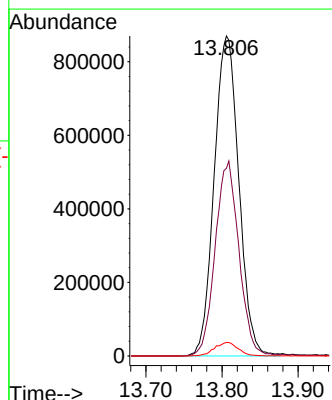
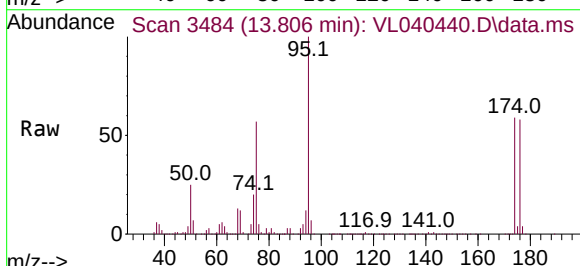
Tgt Ion: 95 Resp: 1960309

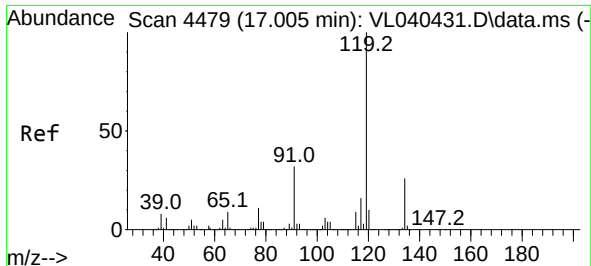
Ion Ratio Lower Upper

95 100

174 59.1 47.0 70.6

175 4.1 3.4 5.0

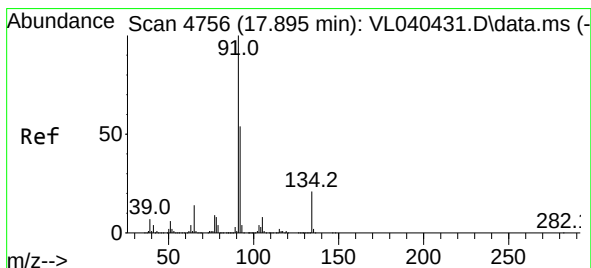
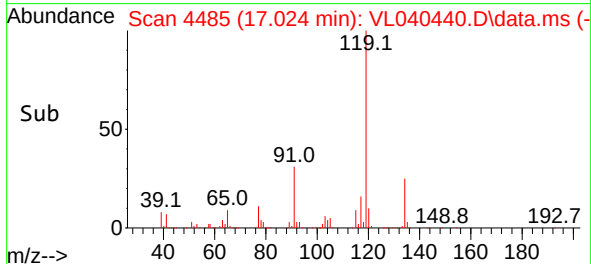
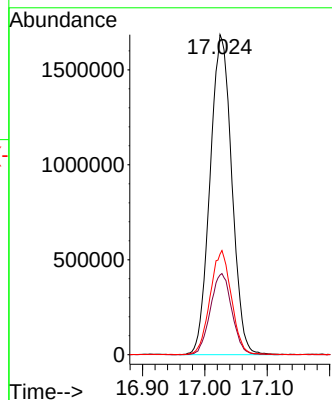
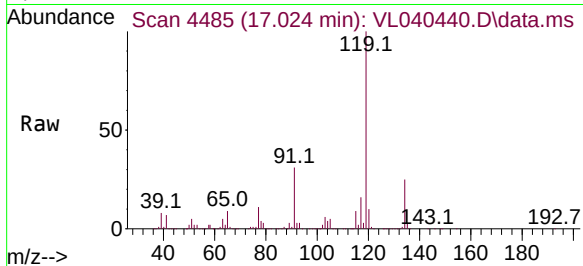




#69
 p-Isopropyltoluene
 Concen: 10.819 ppbv
 RT: 17.024 min Scan# 4479
 Delta R.T. 0.003 min
 Lab File: VL040440.D
 Acq: 16 May 2023 16:19

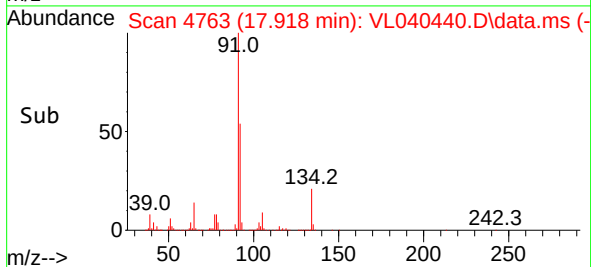
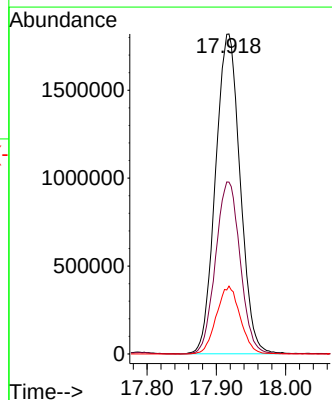
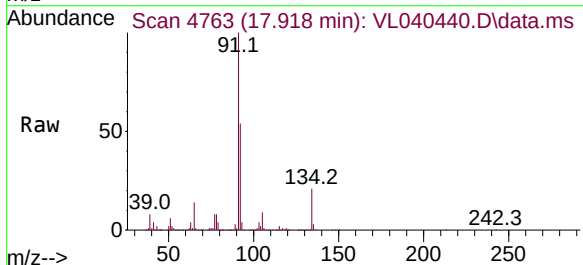
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0516ABS01

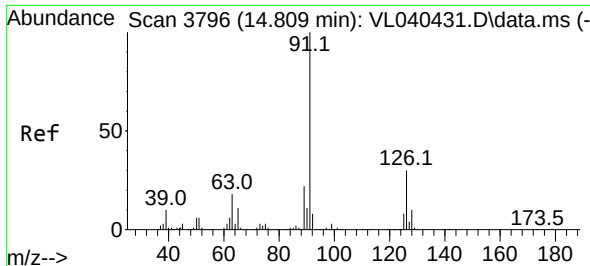
Tgt Ion:119 Resp: 4075398
 Ion Ratio Lower Upper
 119 100
 134 25.1 20.2 30.4
 91 31.9 25.4 38.0



#70
 n-Butylbenzene
 Concen: 10.704 ppbv
 RT: 17.918 min Scan# 4763
 Delta R.T. 0.007 min
 Lab File: VL040440.D
 Acq: 16 May 2023 16:19

Tgt Ion: 91 Resp: 4493563
 Ion Ratio Lower Upper
 91 100
 92 53.8 43.2 64.8
 134 20.6 16.9 25.3

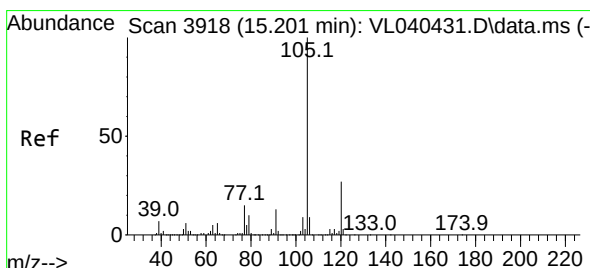
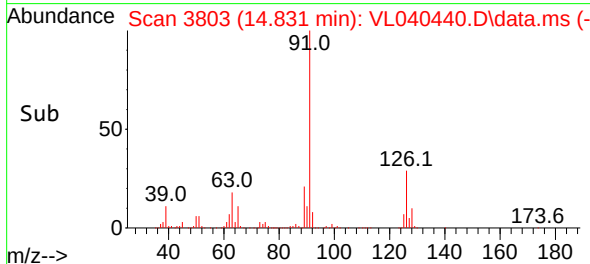
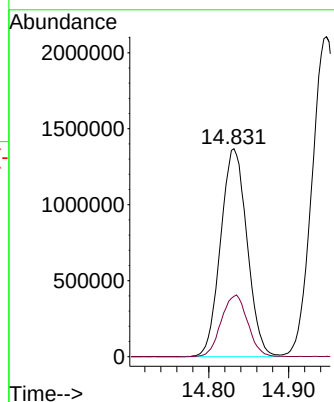
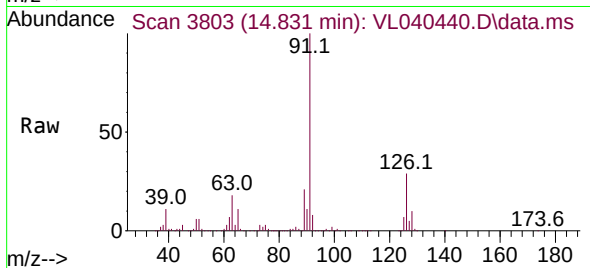




#71
2-Chlorotoluene
Concen: 10.887 ppbv
RT: 14.831 min Scan# 31
Delta R.T. 0.007 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

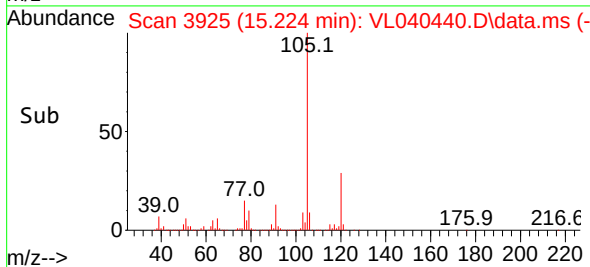
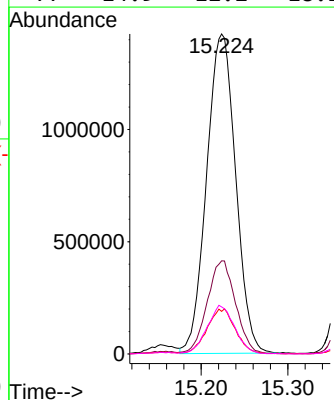
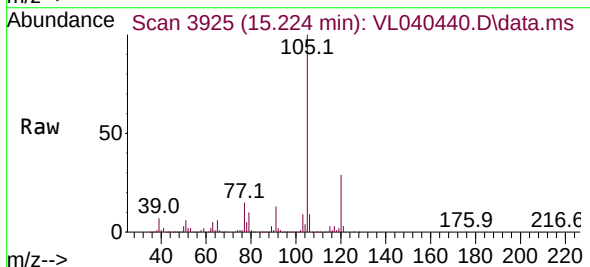
Instrument :
MSVOA_1
ClientSampleId :
VL0516ABS01

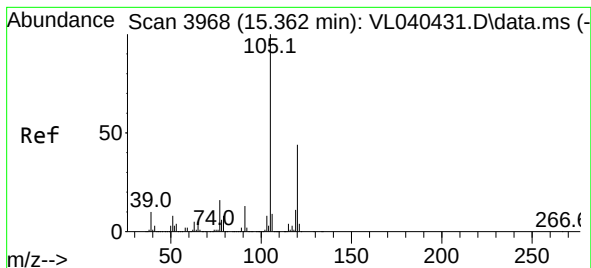
Tgt Ion: 91 Resp: 3144662
Ion Ratio Lower Upper
91 100
126 29.7 12.0 48.0



#72
4-Ethyltoluene
Concen: 11.264 ppbv
RT: 15.224 min Scan# 3925
Delta R.T. 0.003 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

Tgt Ion:105 Resp: 3317666
Ion Ratio Lower Upper
105 100
120 28.6 23.8 35.8
91 13.7 11.0 16.4
77 14.9 12.2 18.2





#73

1,3,5-Trimethylbenzene

Concen: 10.905 ppbv

RT: 15.381 min Scan# 3968

Delta R.T. 0.007 min

Lab File: VL040440.D

Acq: 16 May 2023 16:19

Instrument :

MSVOA_L

ClientSampleId :

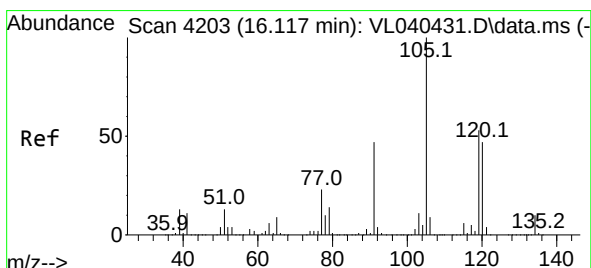
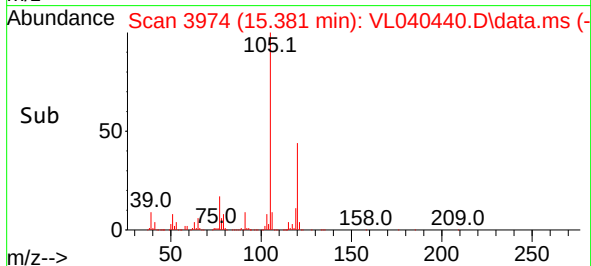
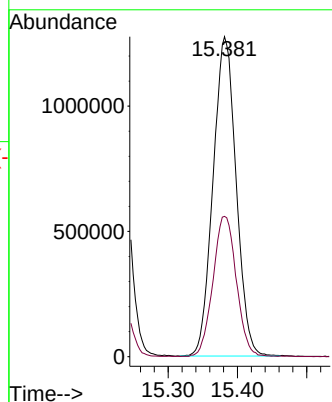
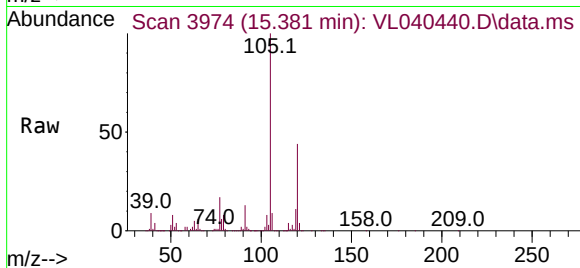
VL0516ABS01

Tgt Ion:105 Resp: 2948588

Ion Ratio Lower Upper

105 100

120 43.9 35.2 52.8



#74

1,2,4-Trimethylbenzene

Concen: 10.481 ppbv

RT: 16.140 min Scan# 4210

Delta R.T. 0.007 min

Lab File: VL040440.D

Acq: 16 May 2023 16:19

Tgt Ion:105 Resp: 3260519

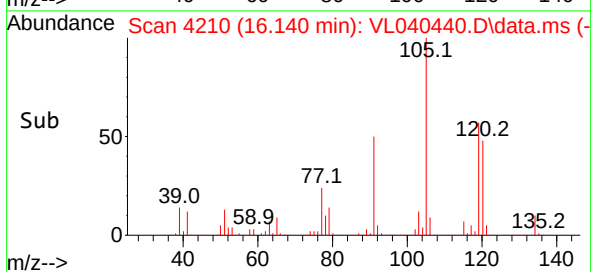
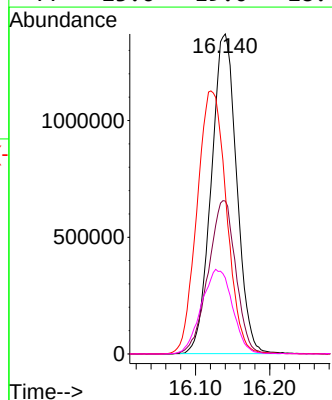
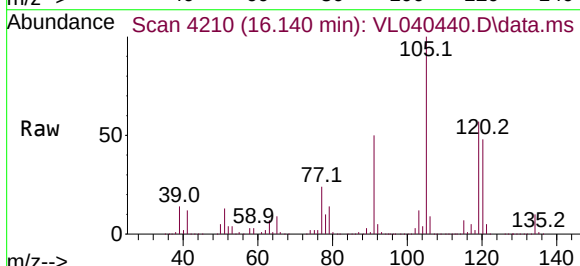
Ion Ratio Lower Upper

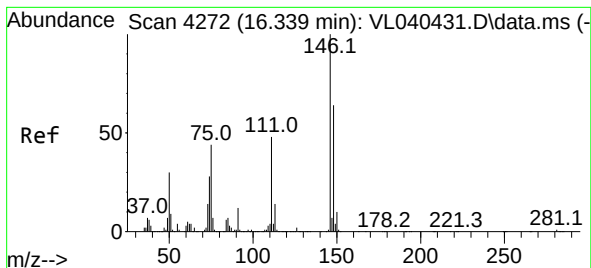
105 100

120 47.6 38.1 57.1

91 50.3 40.2 60.2

77 23.6 19.0 28.4





#75

1,3-Dichlorobenzene

Concen: 10.439 ppbv

RT: 16.362 min Scan# 4324

Delta R.T. 0.003 min

Lab File: VL040440.D

Acq: 16 May 2023 16:19

Instrument :

MSVOA_1

ClientSampleId :

VL0516ABS01

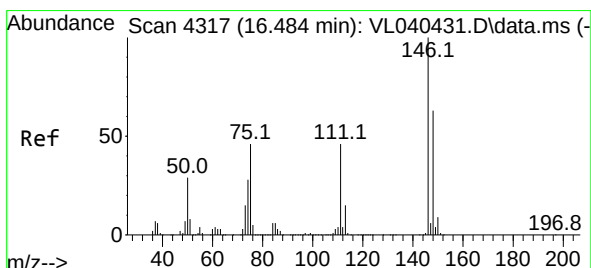
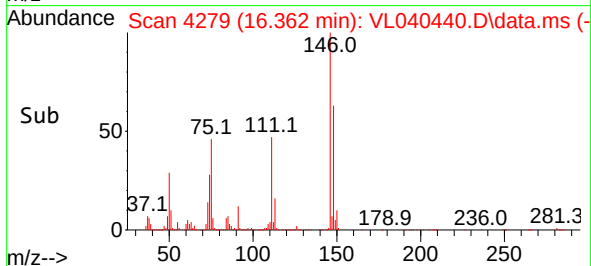
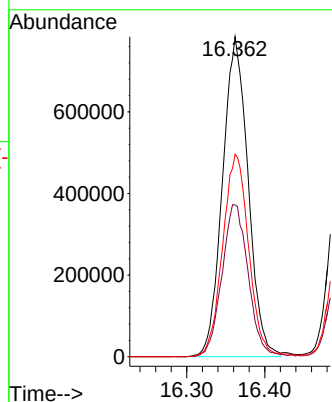
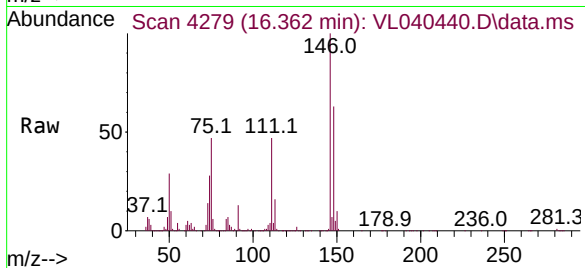
Tgt Ion:146 Resp: 1786759

Ion Ratio Lower Upper

146 100

111 48.9 24.6 74.0

148 64.6 32.1 96.3



#76

1,4-Dichlorobenzene

Concen: 10.474 ppbv

RT: 16.507 min Scan# 4324

Delta R.T. 0.007 min

Lab File: VL040440.D

Acq: 16 May 2023 16:19

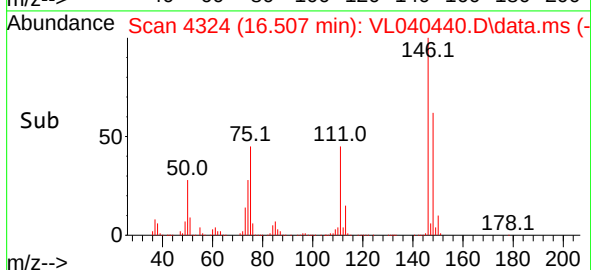
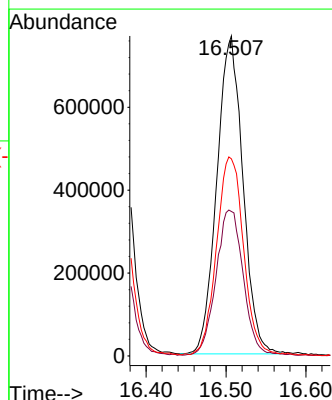
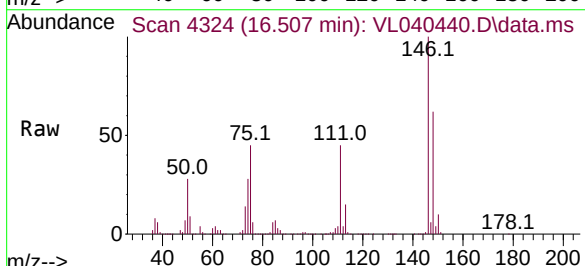
Tgt Ion:146 Resp: 1733809

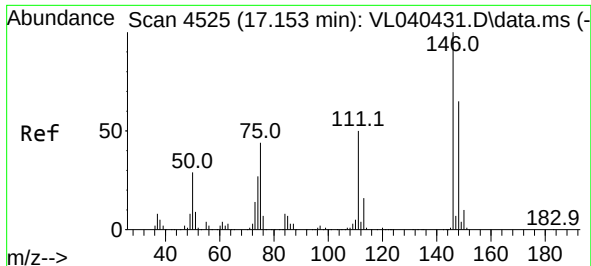
Ion Ratio Lower Upper

146 100

111 48.5 24.0 72.0

148 65.7 32.5 97.4

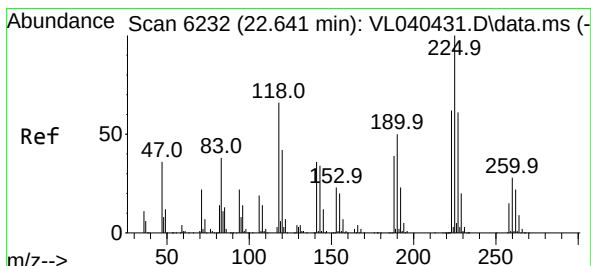
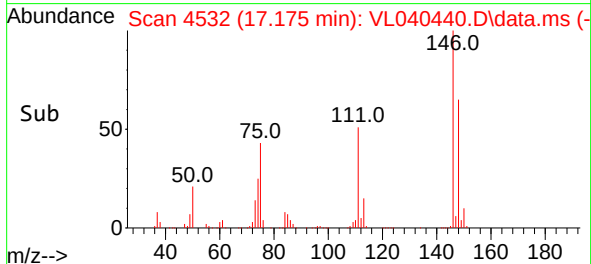
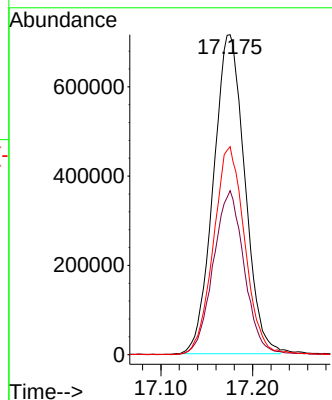
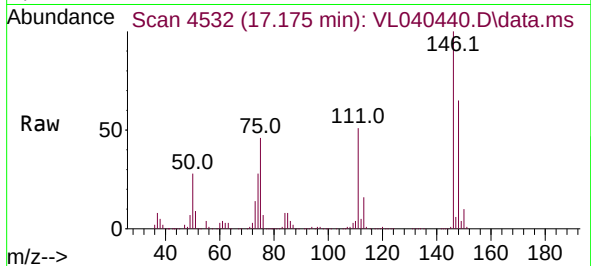




#77
1,2-Dichlorobenzene
Concen: 10.243 ppbv
RT: 17.175 min Scan# 411
Delta R.T. 0.007 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

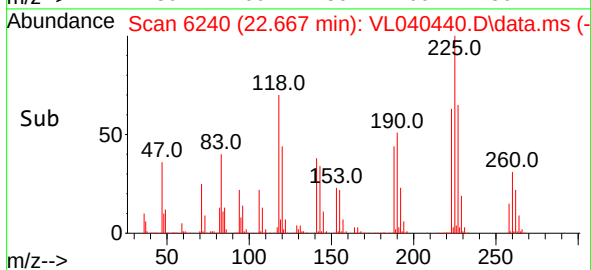
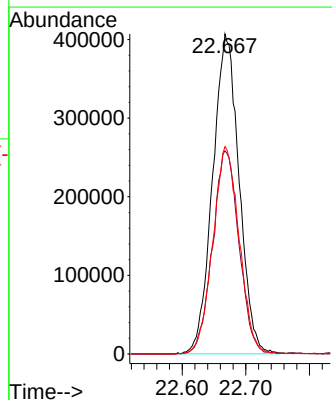
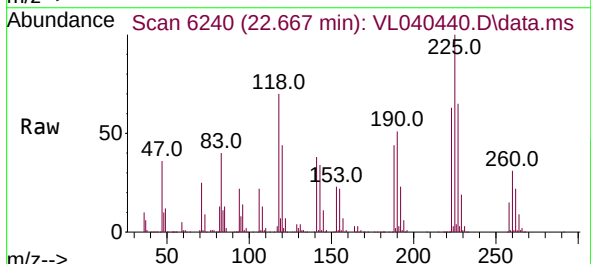
Instrument :
MSVOA_L
ClientSampleId :
VL0516ABS01

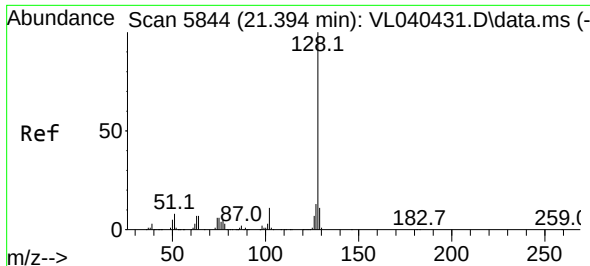
Tgt Ion:146 Resp: 1698508
Ion Ratio Lower Upper
146 100
111 51.2 25.2 75.6
148 65.1 32.1 96.5



#78
Hexachloro-1,3-Butadiene
Concen: 9.456 ppbv
RT: 22.667 min Scan# 6240
Delta R.T. 0.003 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

Tgt Ion:225 Resp: 1173208
Ion Ratio Lower Upper
225 100
223 63.8 51.2 76.8
227 64.9 51.0 76.6

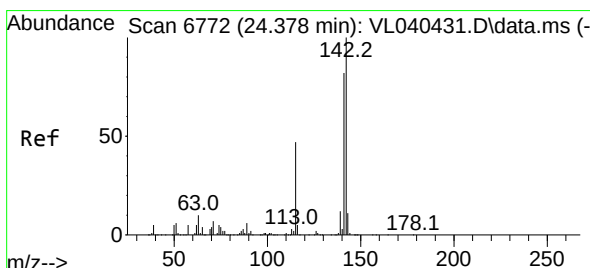
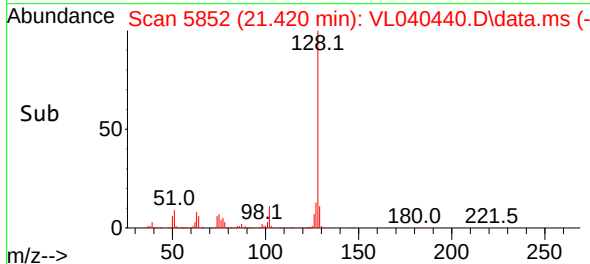
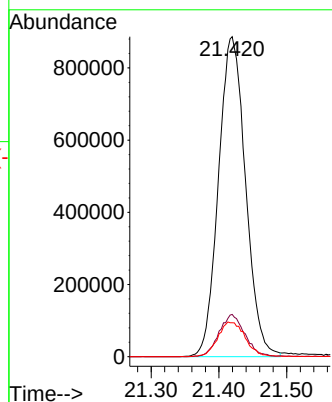
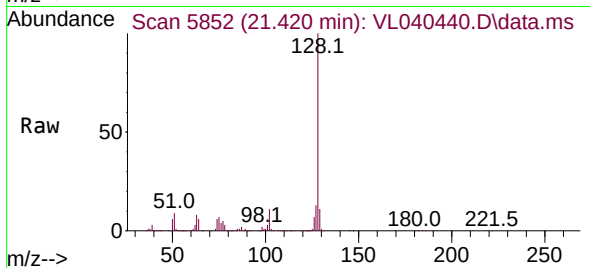




#79
Naphthalene
Concen: 13.075 ppbv
RT: 21.420 min Scan# 5852
Delta R.T. 0.003 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

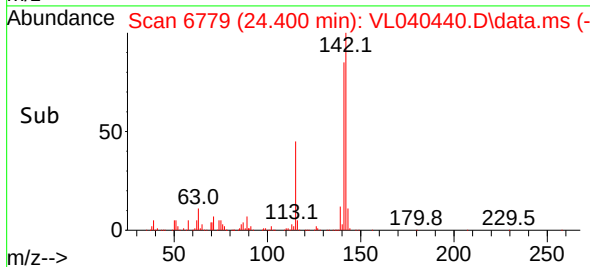
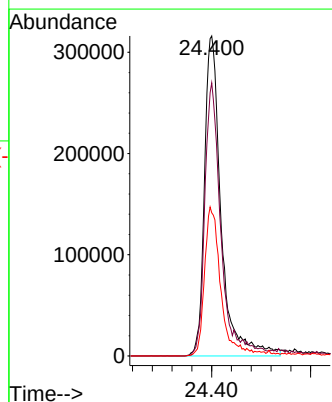
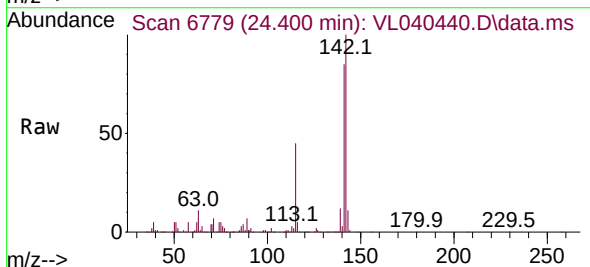
Instrument :
MSVOA_1
ClientSampleId :
VL0516ABS01

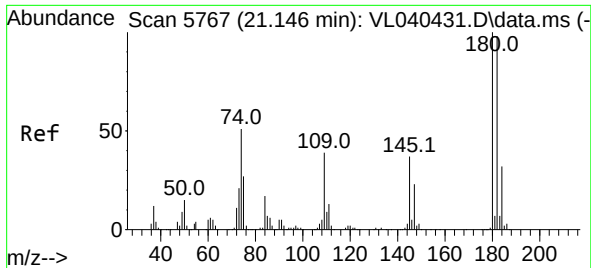
Tgt Ion:128 Resp: 2459203
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 10.6 9.0 13.6



#80
Naphthalene,2-methyl-
Concen: 13.707 ppbv
RT: 24.400 min Scan# 6779
Delta R.T. 0.003 min
Lab File: VL040440.D
Acq: 16 May 2023 16:19

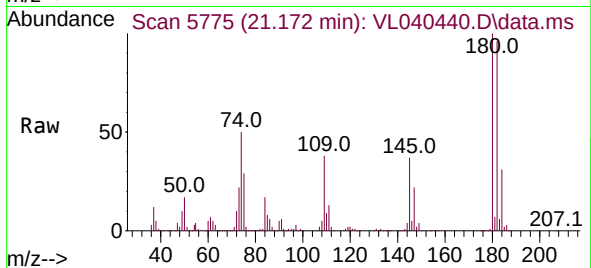
Tgt Ion:142 Resp: 738148
Ion Ratio Lower Upper
142 100
141 84.4 66.2 99.2
115 46.4 36.8 55.2





#81
 1,2,4-Trichlorobenzene
 Concen: 11.157 ppbv
 RT: 21.172 min Scan# 51
 Delta R.T. 0.003 min
 Lab File: VL040440.D
 Acq: 16 May 2023 16:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0516ABS01



Tgt Ion:180 Resp: 1299083

Ion	Ratio	Lower	Upper
180	100		
182	97.2	77.0	115.6
184	31.0	24.7	37.1

