

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121222\
 Data File : VL039972.D
 Acq On : 12 Dec 2022 12:18
 Operator : SY/MD
 Sample : VL1212ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1212ABS01

Quant Time: Dec 13 06:08:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Dec 02 23:21:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	1193533	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.639	114	3286811	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.455	117	3198115	10.000	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	2624778	10.745	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.500%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.709	85	1686526	9.866	ppbv	96
3) Chlorodifluoromethane	2.655	51	1517494	9.214	ppbv	95
4) Chloromethane	2.793	50	948030	9.008	ppbv	96
5) Vinyl Chloride	2.899	62	802299	9.756	ppbv	100
6) Bromomethane	3.099	94	291907	10.406	ppbv	97
7) Chloroethane	3.176	64	302631	9.310	ppbv	98
8) Dichlorotetrafluoroethane	2.835	85	1995069	10.221	ppbv	99
9) Propene	2.674	41	655218	8.446	ppbv	99
10) Heptane	7.568	43	1636891	8.744	ppbv	99
11) Trichlorofluoromethane	3.542	101	2135405	10.242	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.047	101	1568835	9.942	ppbv	94
13) Ethanol	3.227	45	15016	2.535	ppbv #	9
14) Bromoethene	3.346	108	639568	10.393	ppbv	99
15) Acetone	3.449	43	1467493	9.270	ppbv	99
16) 1,3-Butadiene	2.963	39	749353	9.498	ppbv	98
17) tert-Butyl alcohol	3.857	59	1641271	9.017	ppbv	99
18) 1,1-Dichloroethene	3.861	96	712784	9.902	ppbv	95
19) Isopropyl Alcohol	3.555	45	726039	8.470	ppbv #	32
20) Methylene Chloride	3.912	84	568924	7.418	ppbv	97
21) Allyl Chloride	3.976	41	1035425	9.429	ppbv	99
22) trans-1,2-Dichloroethene	4.426	96	737489	10.075	ppbv	96
23) Vinyl Acetate	4.607	43	598887	9.208	ppbv	99
24) 1,1-Dichloroethane	4.545	63	1492953	9.520	ppbv	99
25) Ethyl Acetate	5.185	43	2802187	9.641	ppbv	100
26) Hexane	5.195	57	1234671	9.724	ppbv	98
27) Carbon Disulfide	4.105	76	1827539	11.401	ppbv	99
28) Methyl tert-Butyl Ether	4.568	73	1396669	8.785	ppbv	99
29) Chloroform	5.256	83	2091491	12.395	ppbv	99
30) Cyclohexane	6.587	84	1089961	8.747	ppbv	97
31) cis-1,2-Dichloroethene	5.063	61	1143828	9.750	ppbv	96
32) 1,1,1-Trichloroethane	5.986	97	2204188	10.460	ppbv	99
34) 2-Butanone	4.767	43	1618097	10.289	ppbv	97
35) Carbon Tetrachloride	6.475	117	2315049	12.402	ppbv	99
36) Benzene	6.356	78	2754004	9.858	ppbv	98
37) 1,2-Dichloroethane	5.790	62	1651622	10.788	ppbv	99
38) Trichloroethene	7.275	130	1560075	9.989	ppbv	98
39) 1,2-Dichloropropane	7.057	63	1043829	9.590	ppbv	96
40) 1,4-Dioxane	7.272	88	391214	9.022	ppbv	87
41) Tetrahydrofuran	5.539	42	1029157	9.479	ppbv	98
42) Bromodichloromethane	7.233	83	2464985	11.872	ppbv	100
43) Methyl Methacrylate	7.462	69	1093962	9.987	ppbv	99
44) 2,2,4-Trimethylpentane	7.314	57	4476305	9.598	ppbv	99
45) t-1,3-Dichloropropene	8.700	75	1085541	10.727	ppbv	95

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 Response via : Initial Calibration

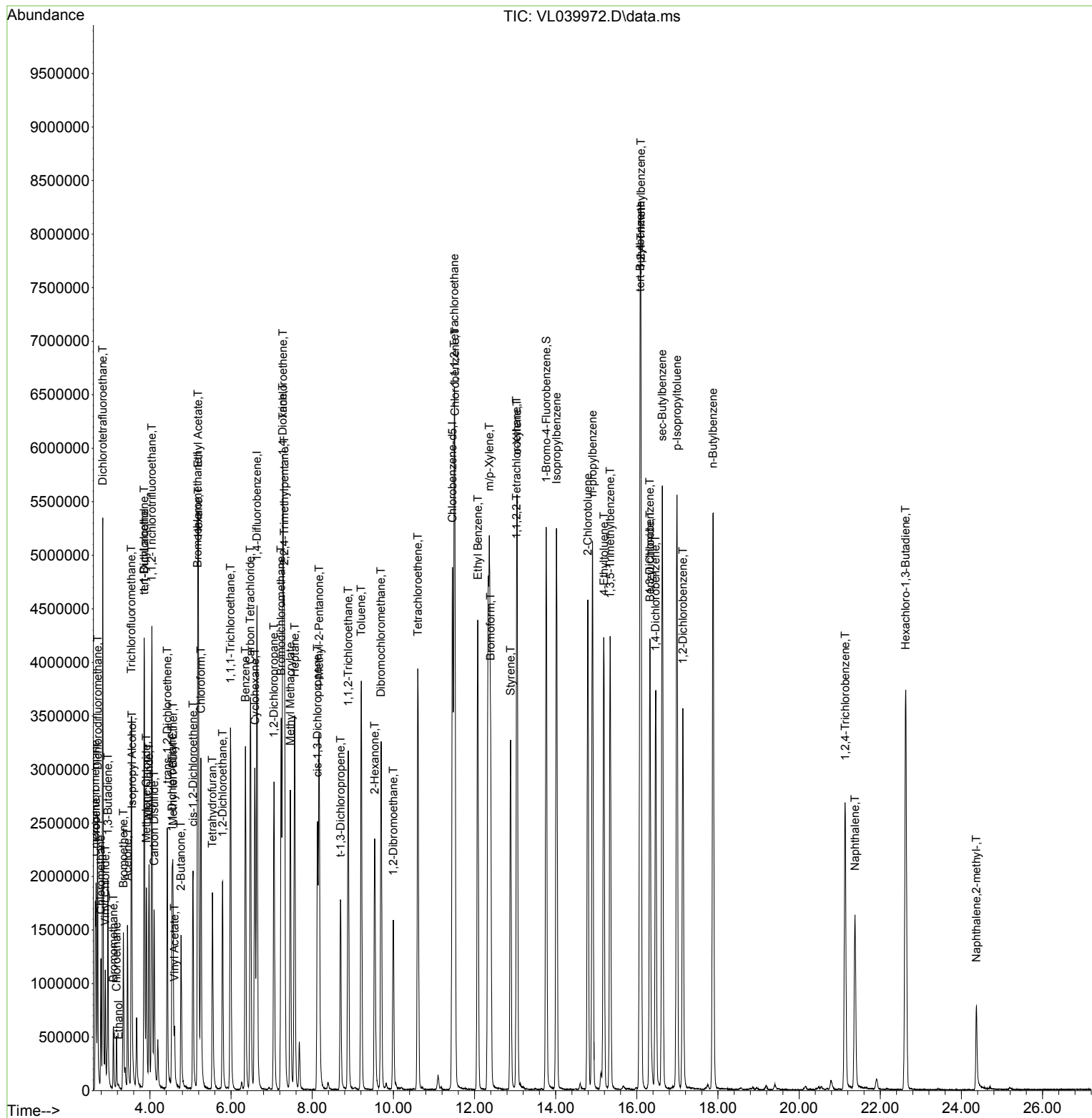
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46) cis-1,3-Dichloropropene	8.130	75	1454581	10.376	ppbv	99
47) 1,1,2-Trichloroethane	8.886	97	1120178	10.013	ppbv	98
48) Dibromochloromethane	9.696	129	2019642	12.326	ppbv	100
49) Bromoform	12.394	173	1572237	11.854	ppbv	99
50) 4-Methyl-2-Pentanone	8.169	43	2761439	9.804	ppbv	98
51) 2-Hexanone	9.539	43	2138154	9.778	ppbv #	98
52) Tetrachloroethene	10.600	164	936034	8.956	ppbv	96
53) Toluene	9.208	91	3096979	9.731	ppbv	99
54) 1,2-Dibromoethane	9.999	107	1307604	10.953	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.500	131	1383975	10.587	ppbv	96
57) Chlorobenzene	11.516	112	2350204	9.611	ppbv	99
58) Ethyl Benzene	12.082	91	4207277	9.697	ppbv	96
59) m/p-Xylene	12.365	91	3808572	10.488	ppbv #	47
60) o-Xylene	13.050	91	3387156	9.781	ppbv	96
61) Styrene	12.889	104	1978741	9.572	ppbv	99
62) Isopropylbenzene	14.021	105	4758895	9.529	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.037	83	1186926	10.264	ppbv	99
64) n-propylbenzene	14.908	120	1215891	9.307	ppbv	85
65) tert-Butylbenzene	16.085	119	4092294	9.367	ppbv	97
66) Benzyl Chloride	16.326	91	151640	4.050	ppbv #	66
67) sec-Butylbenzene	16.629	105	5667639	9.435	ppbv	98
69) p-Isopropyltoluene	16.989	119	4566552	9.229	ppbv	99
70) n-Butylbenzene	17.879	91	4729527	9.641	ppbv	98
71) 2-Chlorotoluene	14.793	91	3661896	9.674	ppbv	97
72) 4-Ethyltoluene	15.188	105	3795006	9.749	ppbv	99
73) 1,3,5-Trimethylbenzene	15.346	105	3351790	9.406	ppbv	97
74) 1,2,4-Trimethylbenzene	16.101	105	3575513	9.478	ppbv	93
75) 1,3-Dichlorobenzene	16.323	146	1954592	9.209	ppbv	98
76) 1,4-Dichlorobenzene	16.465	146	1889796	8.981	ppbv	98
77) 1,2-Dichlorobenzene	17.137	146	1842210	9.002	ppbv	98
78) Hexachloro-1,3-Butadiene	22.625	225	1065234	7.502	ppbv	99
79) Naphthalene	21.378	128	2062291	9.134	ppbv	99
80) Naphthalene,2-methyl-	24.368	142	536598	8.450	ppbv #	95
81) 1,2,4-Trichlorobenzene	21.136	180	1176439	8.437	ppbv	99

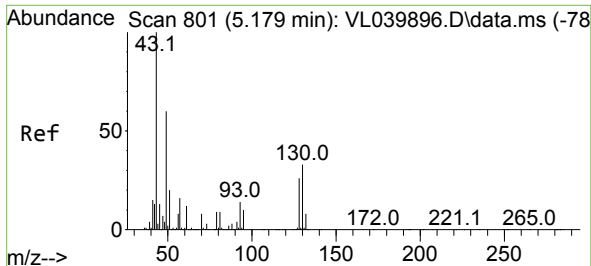
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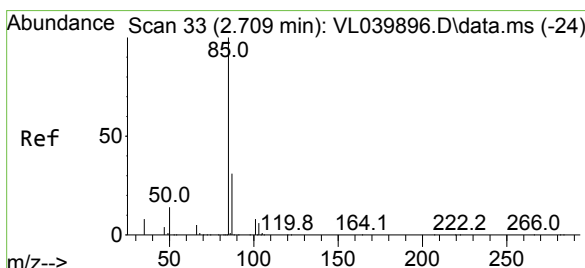
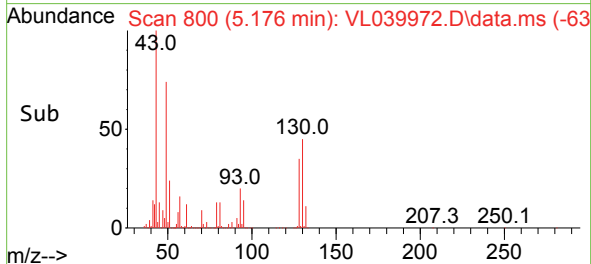
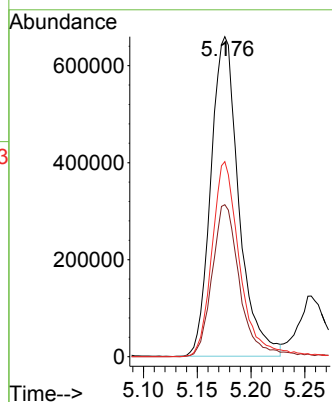
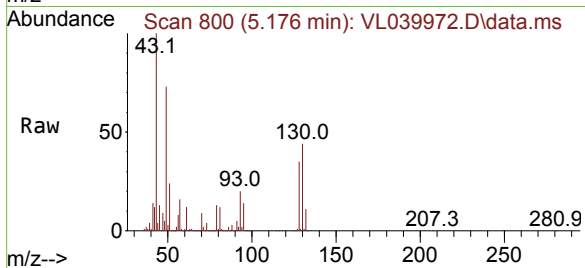




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.176 min Scan# 80
 Delta R.T. 0.020 min
 Lab File: VL039972.D
 Acq: 12 Dec 2022 12:18

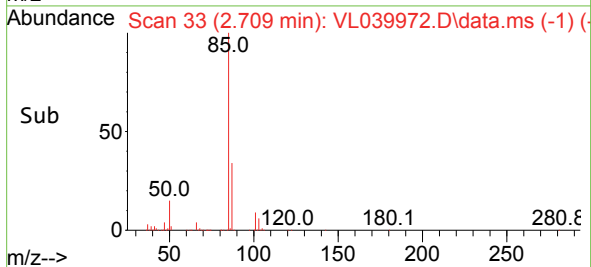
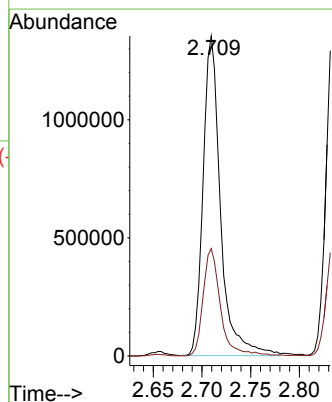
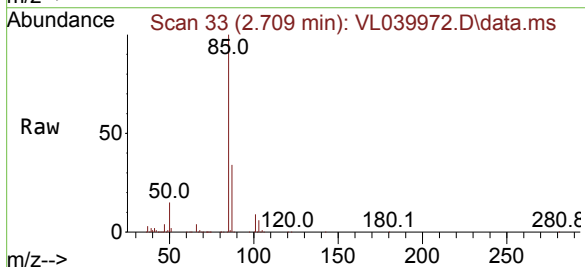
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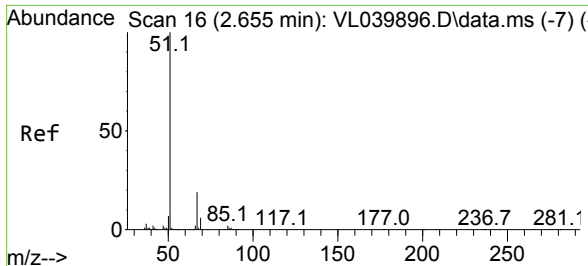
Tgt Ion: 49 Resp: 1193533
 Ion Ratio Lower Upper
 49 100
 128 47.8 22.1 66.3
 130 61.3 27.7 83.1



#2
 Dichlorodifluoromethane
 Concen: 9.866 ppbv
 RT: 2.709 min Scan# 33
 Delta R.T. 0.013 min
 Lab File: VL039972.D
 Acq: 12 Dec 2022 12:18

Tgt Ion: 85 Resp: 1686526
 Ion Ratio Lower Upper
 85 100
 87 33.5 25.0 37.4

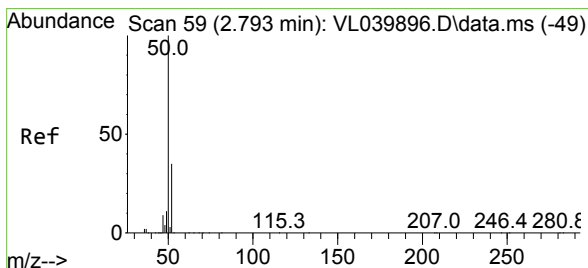
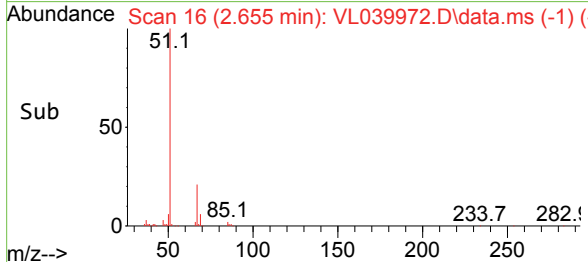
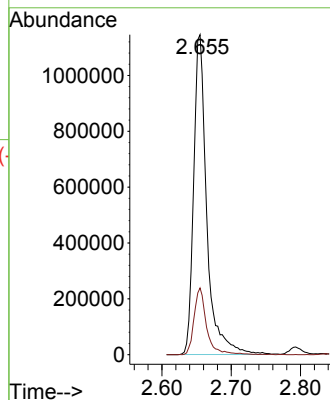
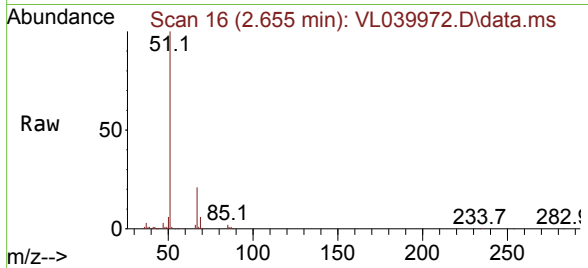




#3
Chlorodifluoromethane
Concen: 9.214 ppbv
RT: 2.655 min Scan# 16
Delta R.T. 0.013 min
Lab File: VL039972.D
Acq: 12 Dec 2022 12:18

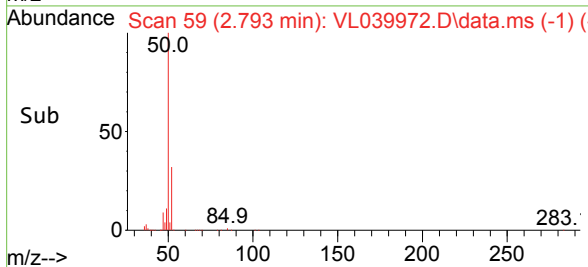
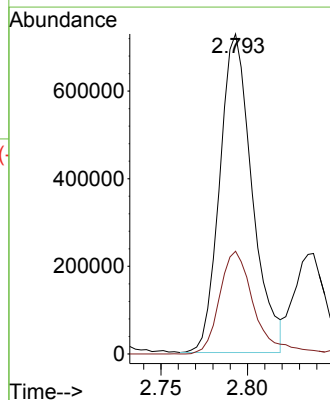
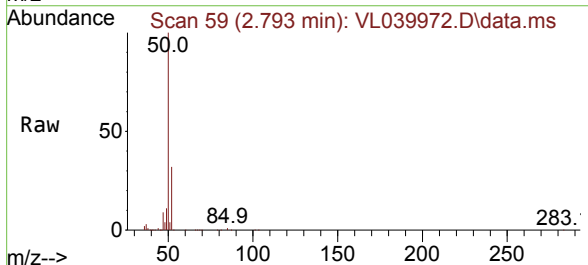
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ClientSampleId :
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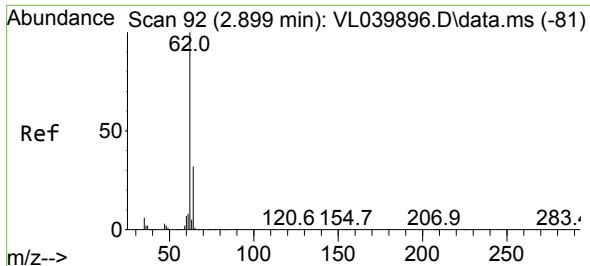
Tgt Ion: 51 Resp: 1517494
Ion Ratio Lower Upper
51 100
67 20.1 14.2 21.4



#4
Chloromethane
Concen: 9.008 ppbv
RT: 2.793 min Scan# 59
Delta R.T. 0.013 min
Lab File: VL039972.D
Acq: 12 Dec 2022 12:18

Tgt Ion: 50 Resp: 948030
Ion Ratio Lower Upper
50 100
52 32.2 27.8 41.8

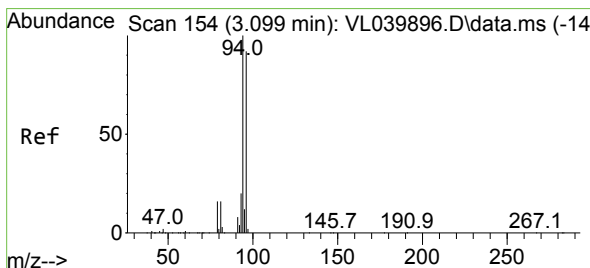
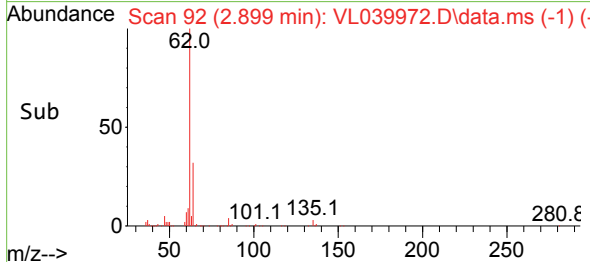
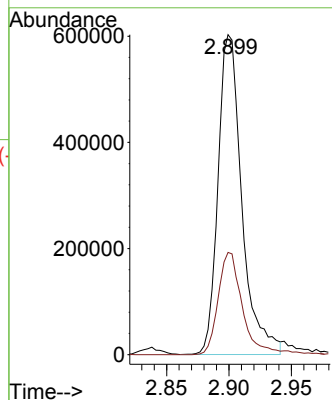
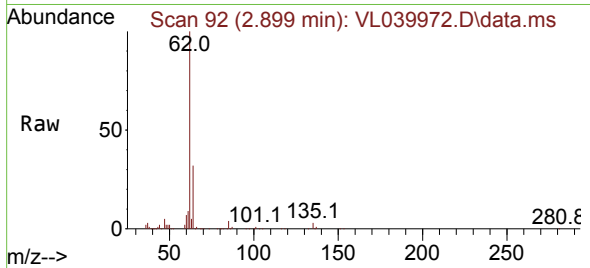




#5
 Vinyl Chloride
 Concen: 9.756 ppbv
 RT: 2.899 min Scan# 91
 Delta R.T. 0.013 min
 Lab File: VL039972.D
 Acq: 12 Dec 2022 12:18

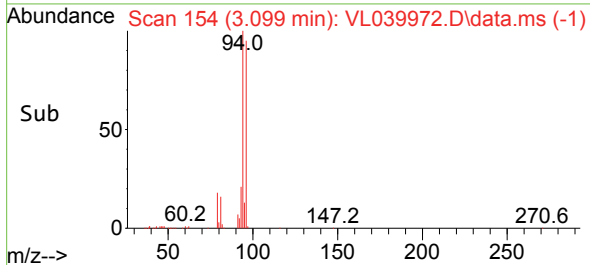
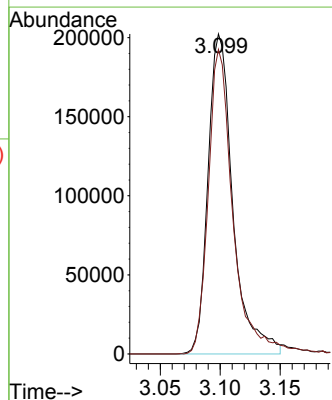
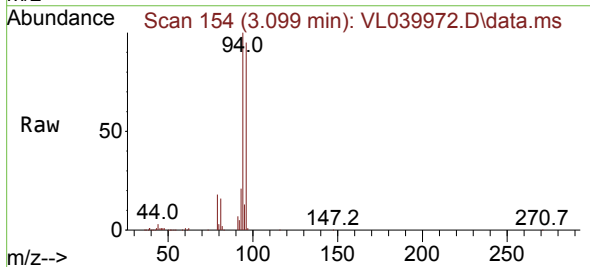
Instrument :
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 ClientSampleId :
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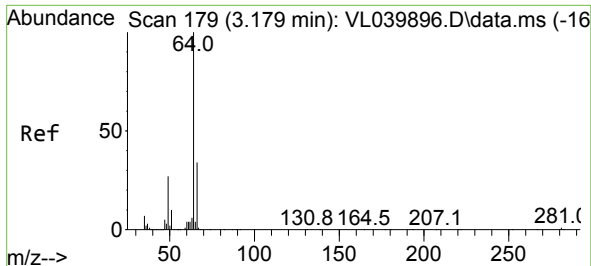
Tgt Ion: 62 Resp: 802299
 Ion Ratio Lower Upper
 62 100
 64 32.0 25.7 38.5



#6
 Bromomethane
 Concen: 10.406 ppbv
 RT: 3.099 min Scan# 154
 Delta R.T. 0.013 min
 Lab File: VL039972.D
 Acq: 12 Dec 2022 12:18

Tgt Ion: 94 Resp: 291907
 Ion Ratio Lower Upper
 94 100
 96 95.0 73.7 110.5

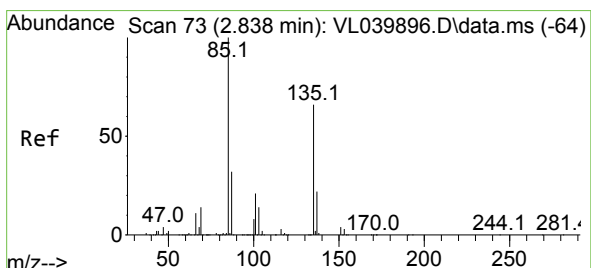
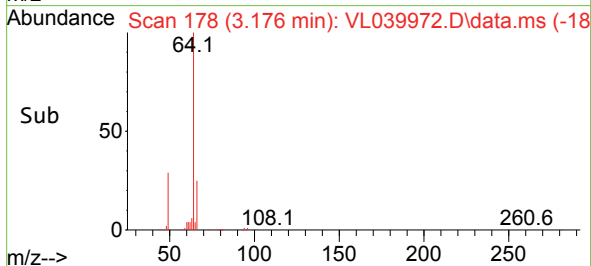
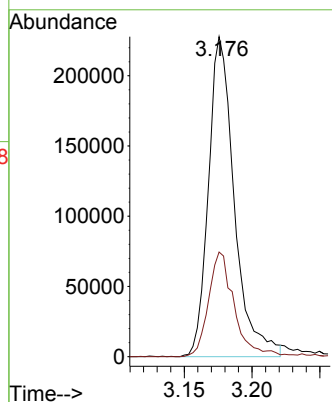
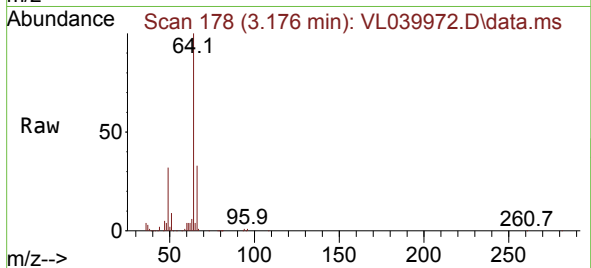




#7
Chloroethane
Concen: 9.310 ppbv
RT: 3.176 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL039972.D
Acq: 12 Dec 2022 12:18

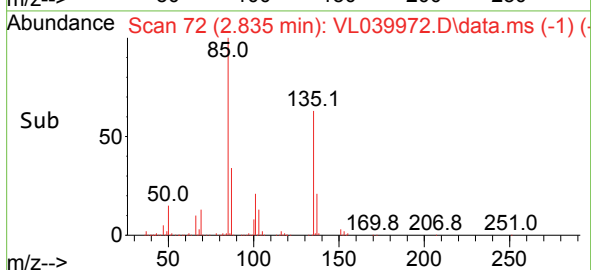
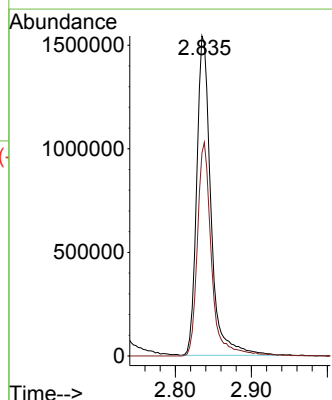
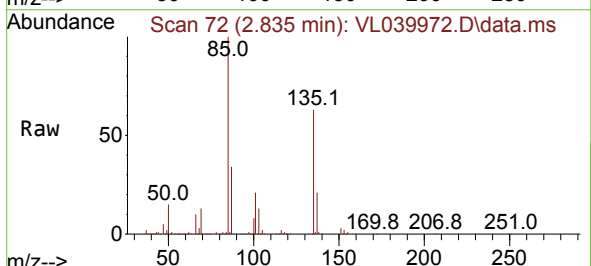
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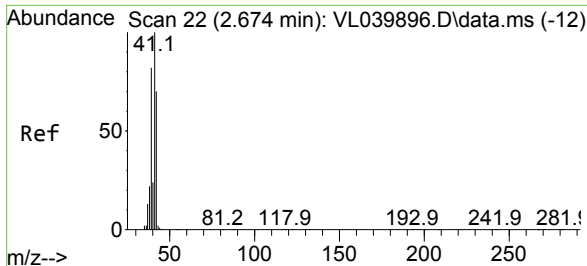
Tgt Ion: 64 Resp: 302631
Ion Ratio Lower Upper
64 100
66 32.7 27.3 40.9



#8
Dichlorotetrafluoroethane
Concen: 10.221 ppbv
RT: 2.835 min Scan# 72
Delta R.T. 0.010 min
Lab File: VL039972.D
Acq: 12 Dec 2022 12:18

Tgt Ion: 85 Resp: 1995069
Ion Ratio Lower Upper
85 100
135 66.7 54.1 81.1

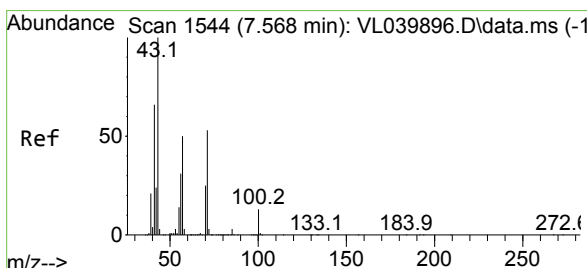
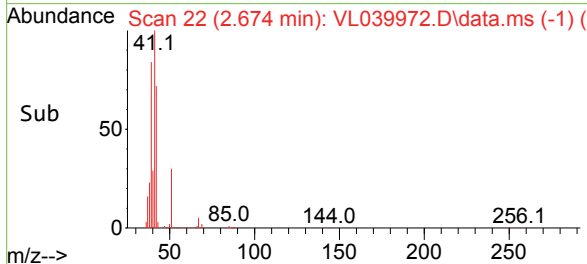
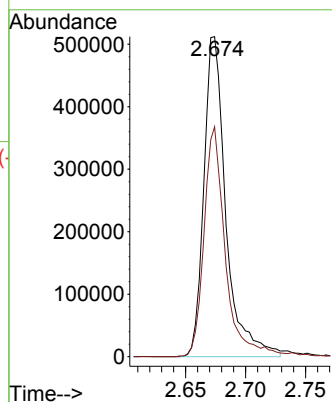
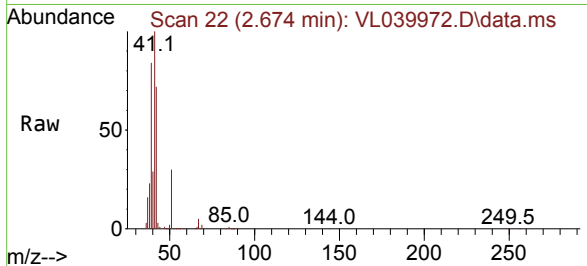




#9
 Propene
 Concen: 8.446 ppbv
 RT: 2.674 min Scan# 21
 Delta R.T. 0.013 min
 Lab File: VL039972.D
 Acq: 12 Dec 2022 12:18

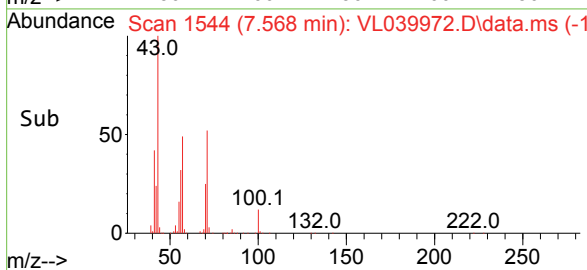
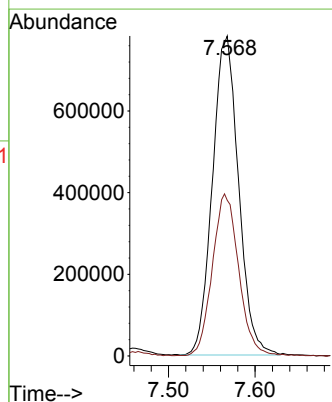
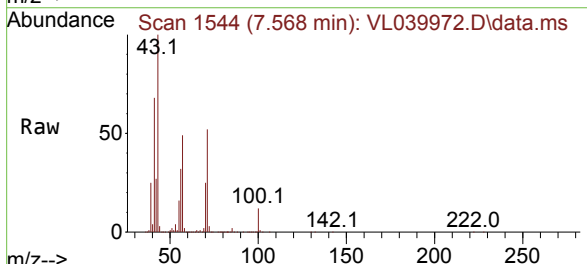
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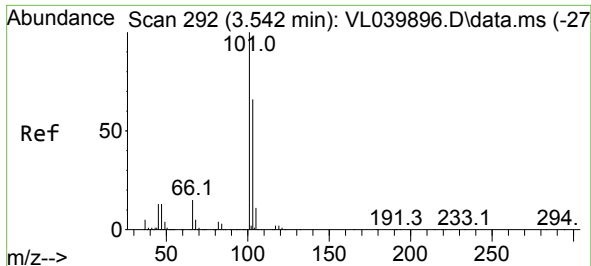
Tgt Ion: 41 Resp: 655218
 Ion Ratio Lower Upper
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 42 70.5 55.8 83.6



#10
 Heptane
 Concen: 8.744 ppbv
 RT: 7.568 min Scan# 1544
 Delta R.T. 0.023 min
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Tgt Ion: 43 Resp: 1636891
 Ion Ratio Lower Upper
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 57 51.4 40.7 61.1

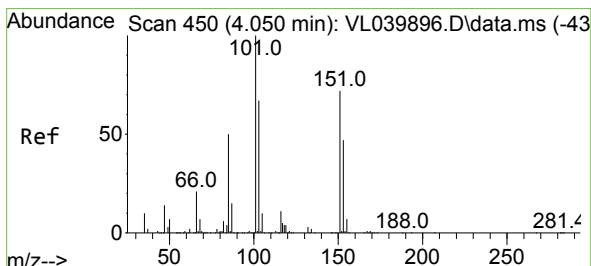
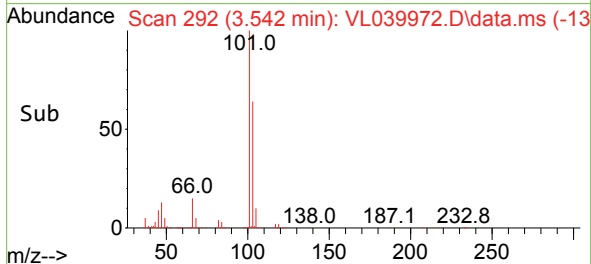
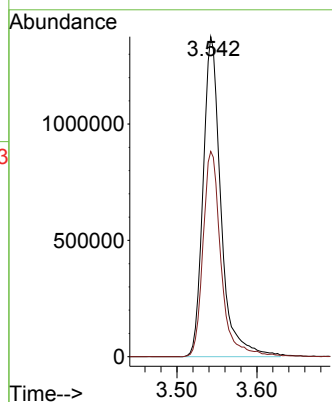
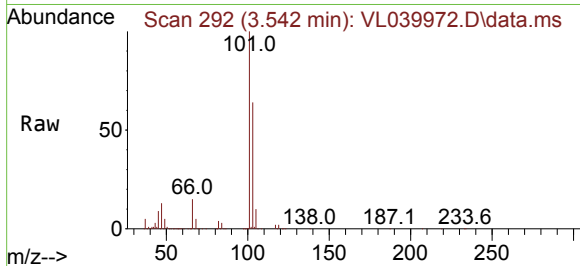




#11
 Trichlorofluoromethane
 Concen: 10.242 ppbv
 RT: 3.542 min Scan# 292
 Delta R.T. 0.013 min
 Lab File: VL039972.D
 Acq: 12 Dec 2022 12:18

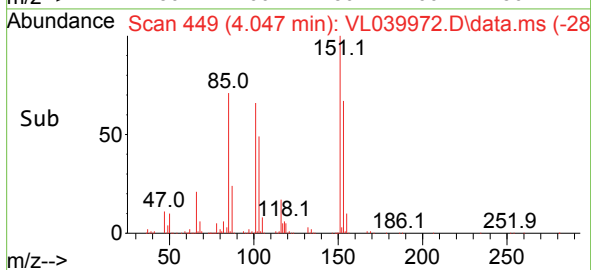
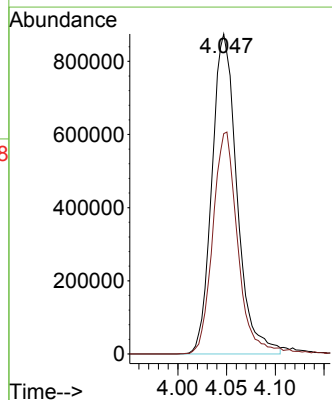
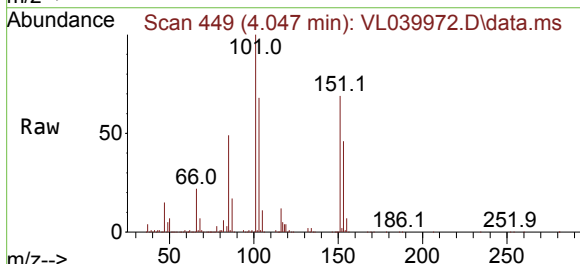
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1212ABS01

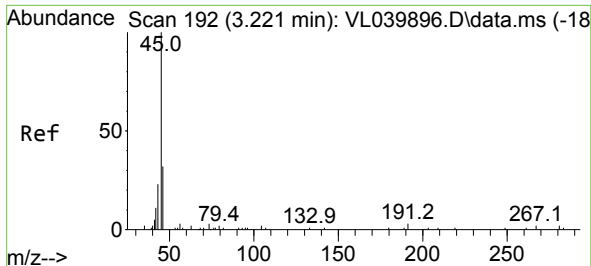
Tgt Ion:101 Resp: 2135405
 Ion Ratio Lower Upper
 101 100
 103 64.1 52.6 78.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.942 ppbv
 RT: 4.047 min Scan# 449
 Delta R.T. 0.016 min
 Lab File: VL039972.D
 Acq: 12 Dec 2022 12:18

Tgt Ion:101 Resp: 1568835
 Ion Ratio Lower Upper
 101 100
 151 69.7 59.6 89.4

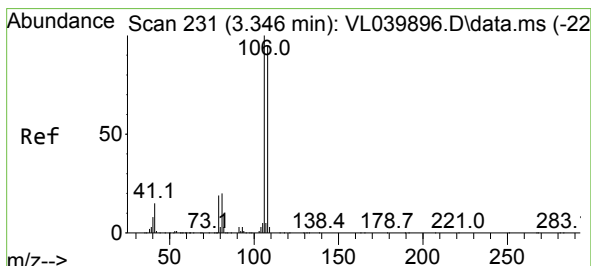
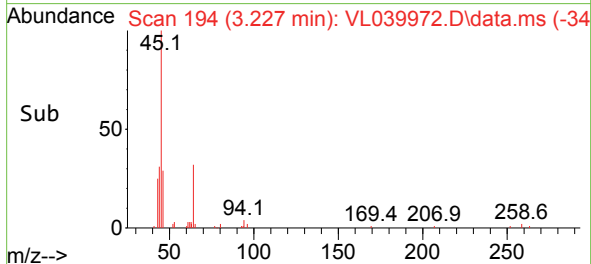
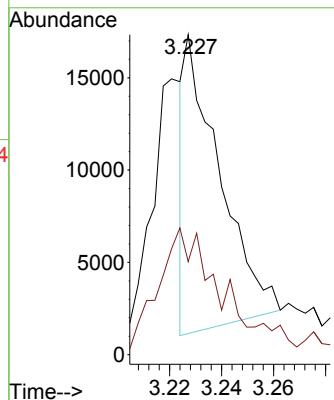
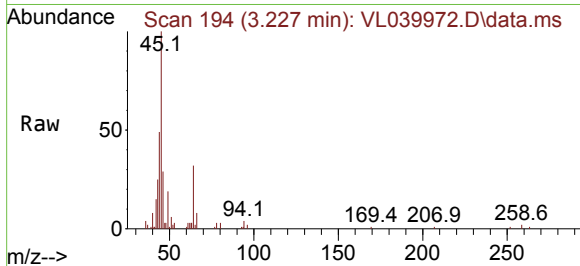




#13
Ethanol
Concen: 2.535 ppbv
RT: 3.227 min Scan# 192
Delta R.T. 0.013 min
Lab File: VL039972.D
Acq: 12 Dec 2022 12:18

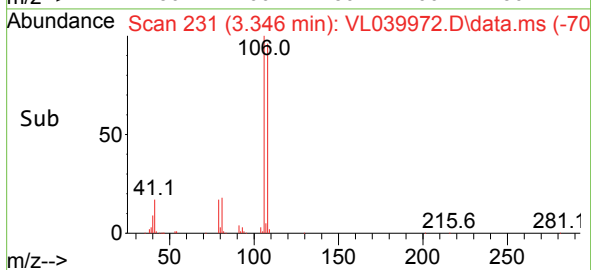
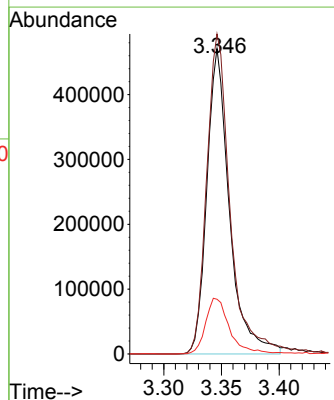
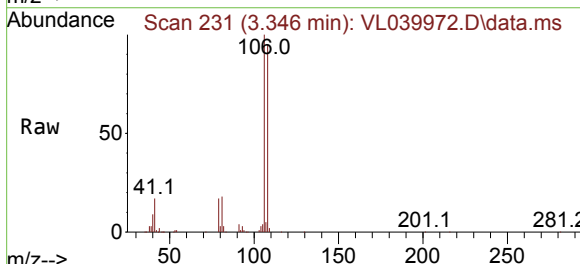
Instrument :
MSVOA_L
ClientSampleId :
VL1212ABS01

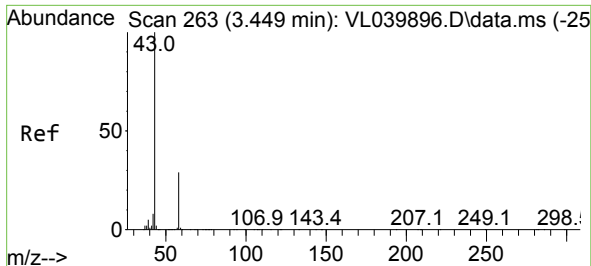
Tgt Ion: 45 Resp: 15016
Ion Ratio Lower Upper
45 100
46 90.4 14.6 58.2#



#14
Bromoethene
Concen: 10.393 ppbv
RT: 3.346 min Scan# 231
Delta R.T. 0.016 min
Lab File: VL039972.D
Acq: 12 Dec 2022 12:18

Tgt Ion: 108 Resp: 639568
Ion Ratio Lower Upper
108 100
106 110.6 87.3 130.9
79 20.1 15.9 23.9

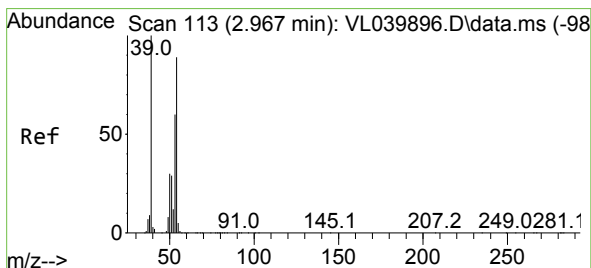
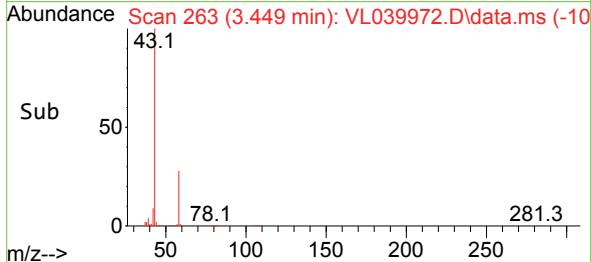
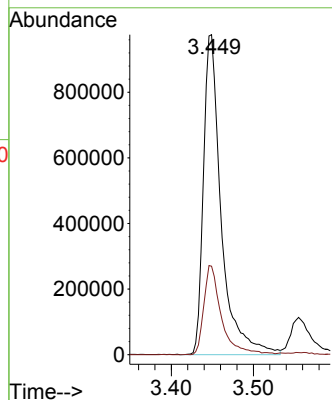
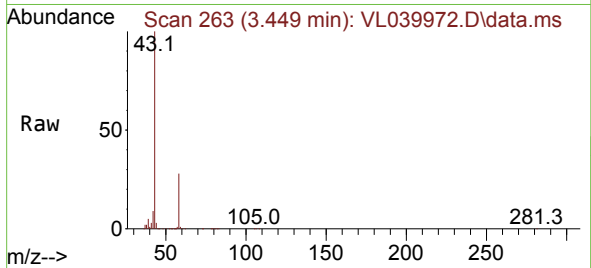




#15
Acetone
Concen: 9.270 ppbv
RT: 3.449 min Scan# 20
Delta R.T. 0.016 min
Lab File: VL039972.D
Acq: 12 Dec 2022 12:18

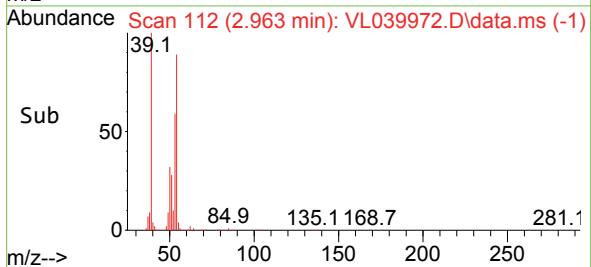
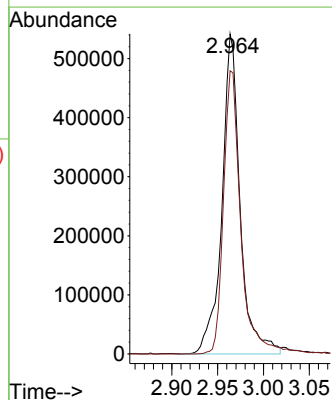
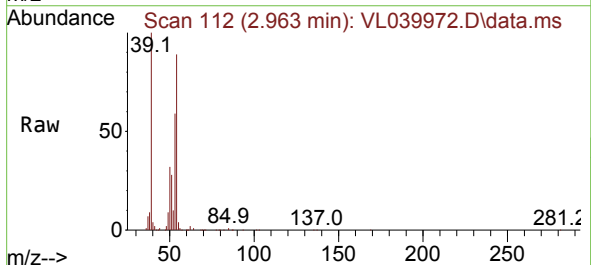
Instrument :
MSVOA_L
ClientSampleId :
VL1212ABS01

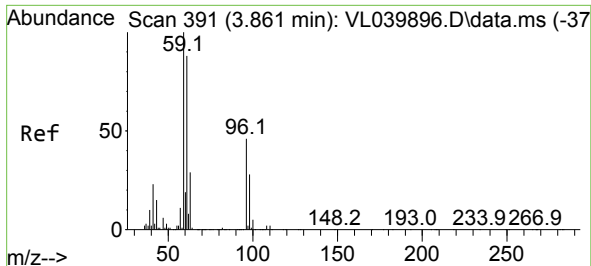
Tgt Ion: 43 Resp: 1467493
Ion Ratio Lower Upper
43 100
58 27.9 22.9 34.3



#16
1,3-Butadiene
Concen: 9.498 ppbv
RT: 2.963 min Scan# 112
Delta R.T. 0.013 min
Lab File: VL039972.D
Acq: 12 Dec 2022 12:18

Tgt Ion: 39 Resp: 749353
Ion Ratio Lower Upper
39 100
54 84.8 66.6 99.8





#17

tert-Butyl alcohol

Concen: 9.017 ppbv

RT: 3.857 min Scan# 390

Delta R.T. 0.013 min

Lab File: VL039972.D

Acq: 12 Dec 2022 12:18

Instrument :

MSVOA_L

ClientSampleId :

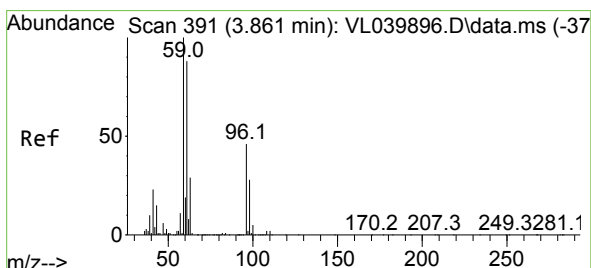
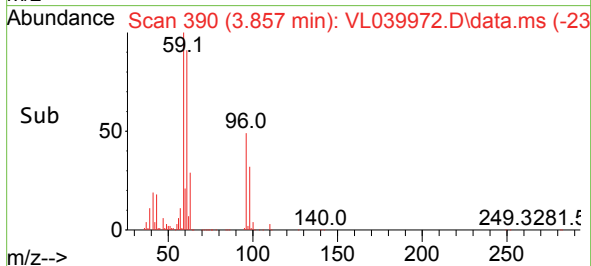
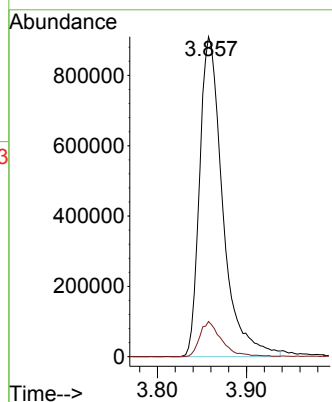
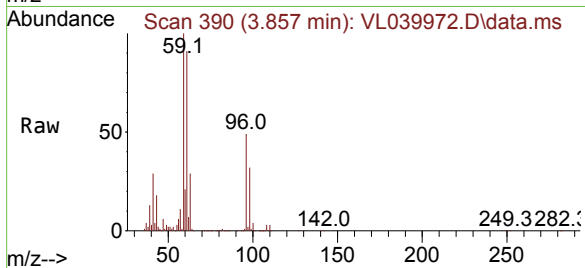
VL1212ABS01

Tgt Ion: 59 Resp: 1641271

Ion Ratio Lower Upper

59 100

57 10.8 8.3 12.5



#18

1,1-Dichloroethene

Concen: 9.902 ppbv

RT: 3.861 min Scan# 391

Delta R.T. 0.016 min

Lab File: VL039972.D

Acq: 12 Dec 2022 12:18

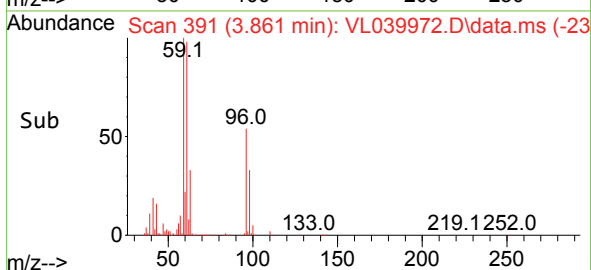
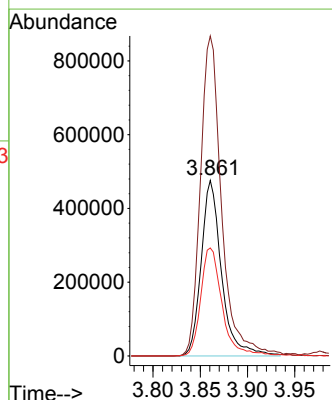
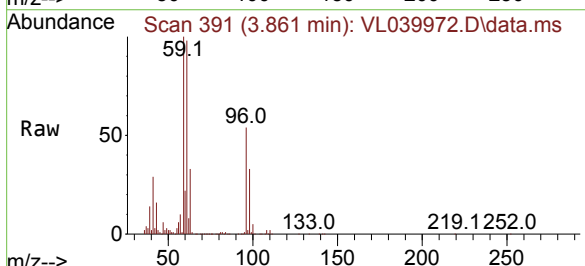
Tgt Ion: 96 Resp: 712784

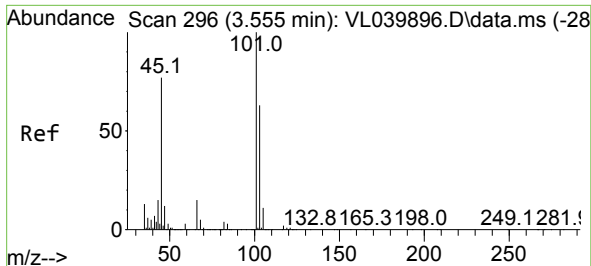
Ion Ratio Lower Upper

96 100

61 182.2 153.4 230.2

98 61.3 48.9 73.3

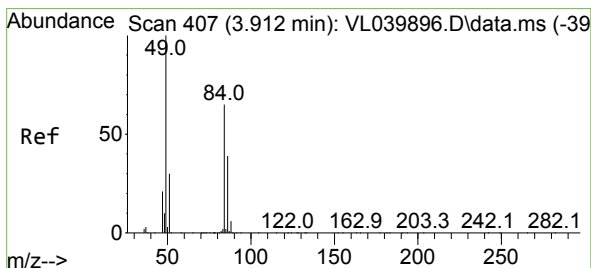
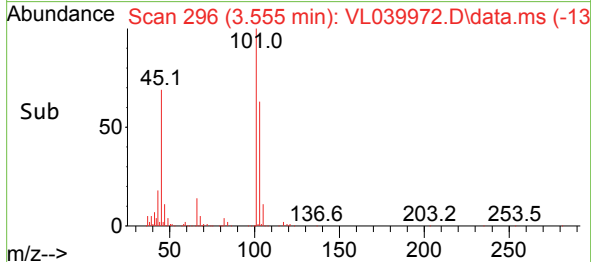
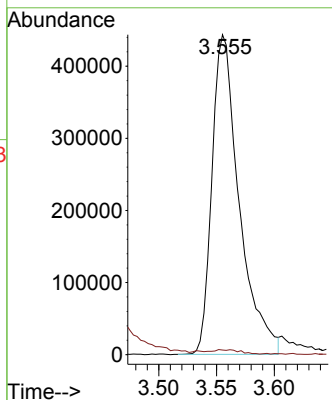
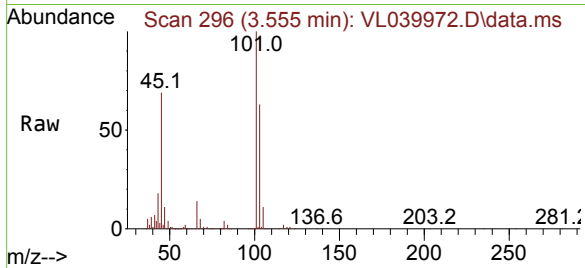




#19
Isopropyl Alcohol
Concen: 8.470 ppbv
RT: 3.555 min Scan# 296
Delta R.T. 0.013 min
Lab File: VL039972.D
Acq: 12 Dec 2022 12:18

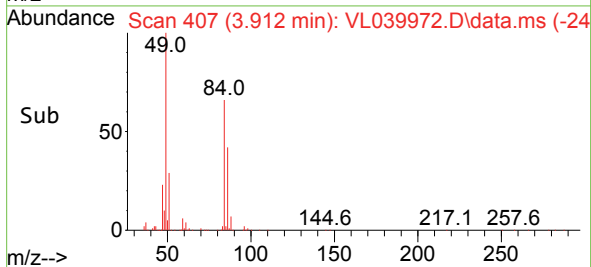
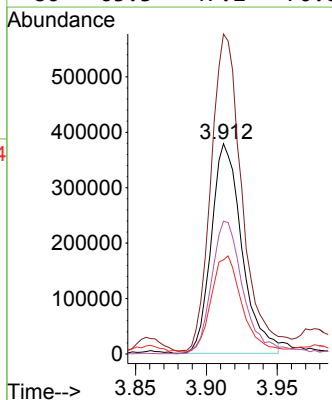
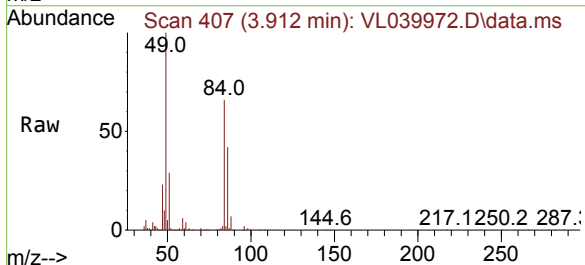
Instrument :
MSVOA_L
ClientSampleId :
VL1212ABS01

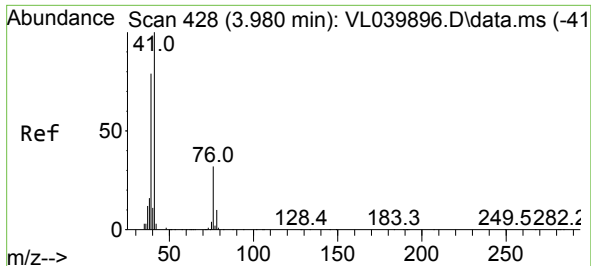
Tgt Ion: 45 Resp: 726039
Ion Ratio Lower Upper
45 100
58 2.3 38.7 58.1#



#20
Methylene Chloride
Concen: 7.418 ppbv
RT: 3.912 min Scan# 407
Delta R.T. 0.016 min
Lab File: VL039972.D
Acq: 12 Dec 2022 12:18

Tgt Ion: 84 Resp: 568924
Ion Ratio Lower Upper
84 100
49 151.2 122.2 183.4
51 43.7 36.3 54.5
86 63.3 47.2 70.8

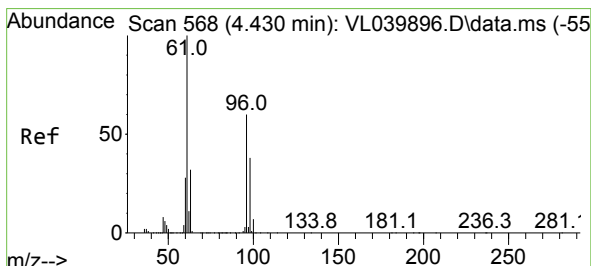
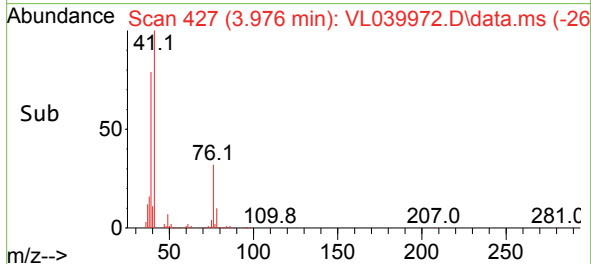
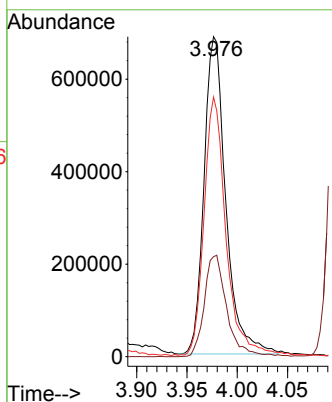
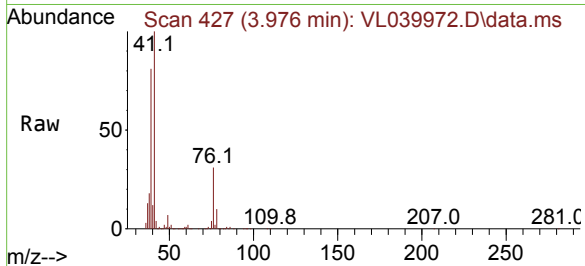




#21
 Allyl Chloride
 Concen: 9.429 ppbv
 RT: 3.976 min Scan# 41
 Delta R.T. 0.016 min
 Lab File: VL039972.D
 Acq: 12 Dec 2022 12:18

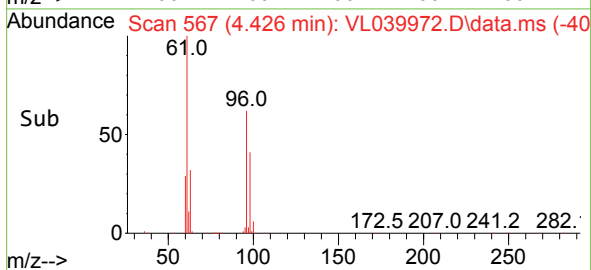
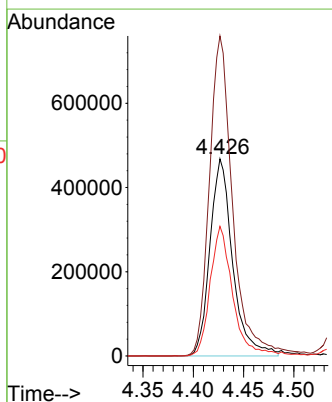
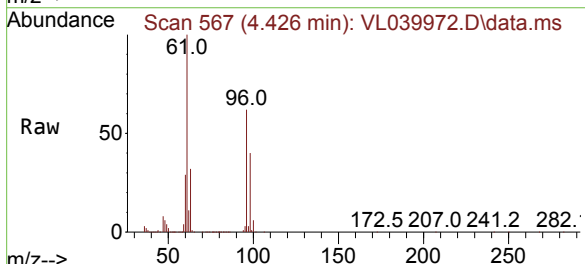
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1212ABS01

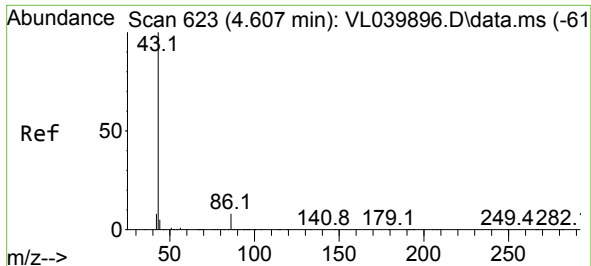
Tgt Ion: 41 Resp: 1035425
 Ion Ratio Lower Upper
 41 100
 76 33.1 25.6 38.4
 39 82.1 65.2 97.8



#22
 trans-1,2-Dichloroethene
 Concen: 10.075 ppbv
 RT: 4.426 min Scan# 567
 Delta R.T. 0.016 min
 Lab File: VL039972.D
 Acq: 12 Dec 2022 12:18

Tgt Ion: 96 Resp: 737489
 Ion Ratio Lower Upper
 96 100
 61 162.3 134.1 201.1
 98 65.7 50.4 75.6



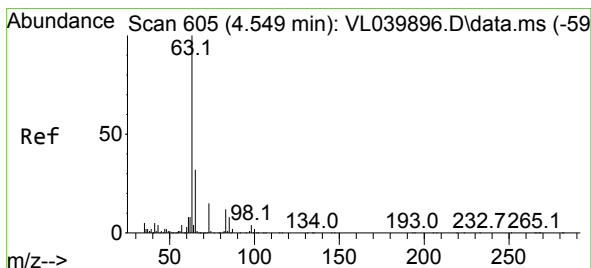
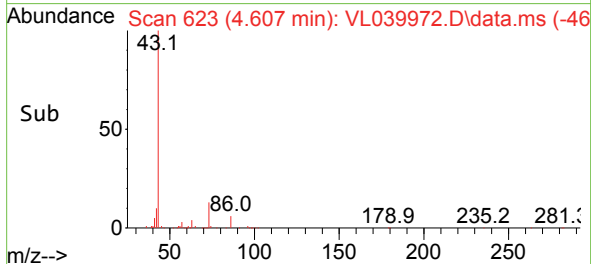
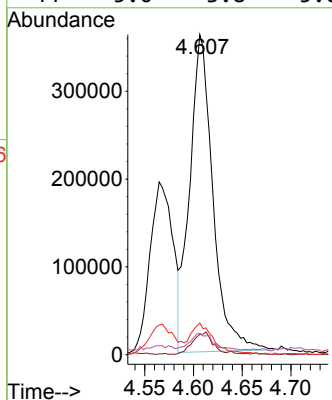
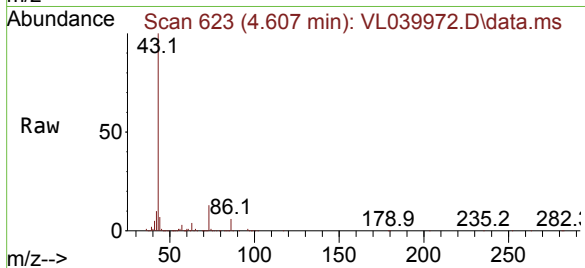


#23
 Vinyl Acetate
 Concen: 9.208 ppbv
 RT: 4.607 min Scan# 61
 Delta R.T. 0.013 min
 Lab File: VL039972.D
 Acq: 12 Dec 2022 12:18

Instrument :
 MSVOA_1
 ClientSampleId :
 VL1212ABS01

Tgt Ion: 43 Resp: 598887

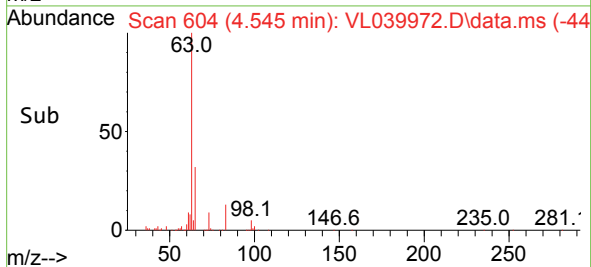
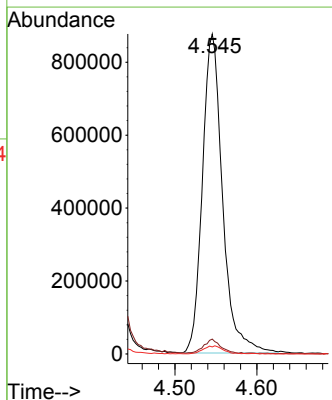
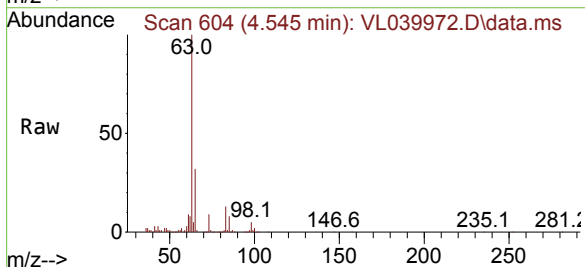
Ion	Ratio	Lower	Upper
43	100		
86	6.3	5.0	7.4
42	9.8	7.6	11.4
44	5.0	3.8	5.6

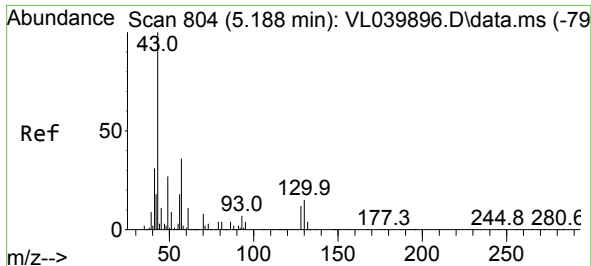


#24
 1,1-Dichloroethane
 Concen: 9.520 ppbv
 RT: 4.545 min Scan# 604
 Delta R.T. 0.016 min
 Lab File: VL039972.D
 Acq: 12 Dec 2022 12:18

Tgt Ion: 63 Resp: 1492953

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.1	6.5
100	2.2	1.1	3.5



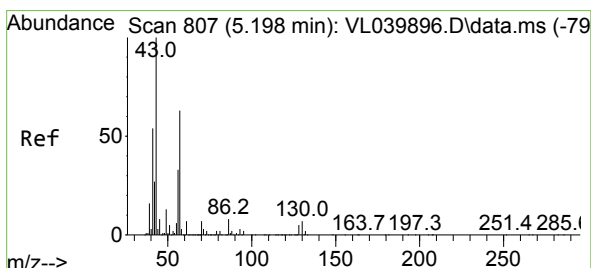
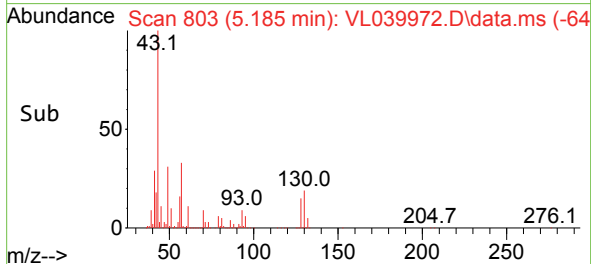
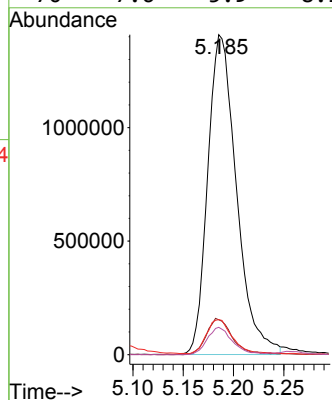
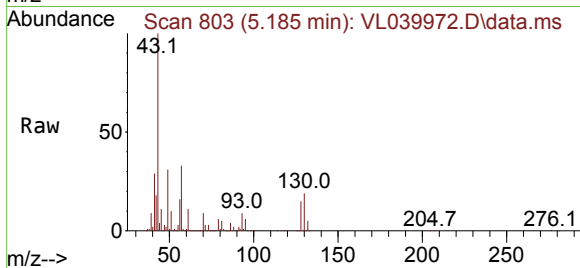


#25
Ethyl Acetate
Concen: 9.641 ppbv
RT: 5.185 min Scan# 804
Delta R.T. 0.016 min
Lab File: VL039972.D
Acq: 12 Dec 2022 12:18

Instrument :
MSVOA_L
ClientSampleId :
VL1212ABS01

Tgt Ion: 43 Resp: 2802187

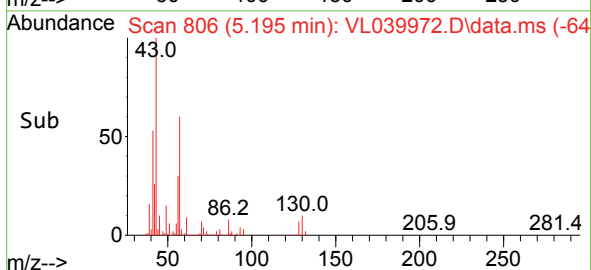
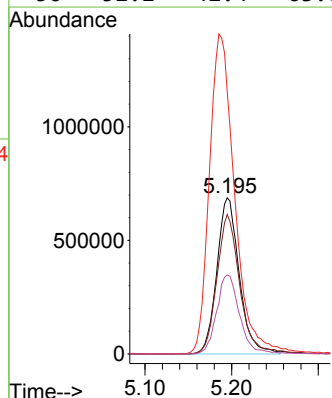
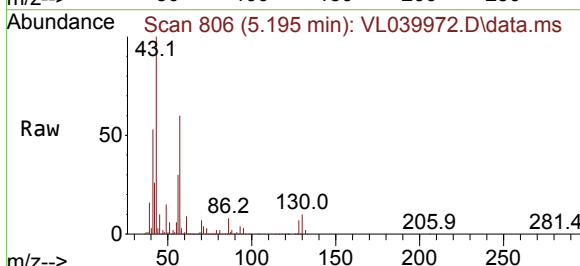
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.4	12.6
61	10.6	8.5	12.7
70	7.6	5.9	8.9

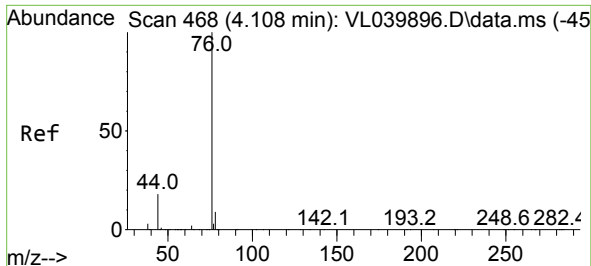


#26
Hexane
Concen: 9.724 ppbv
RT: 5.195 min Scan# 806
Delta R.T. 0.019 min
Lab File: VL039972.D
Acq: 12 Dec 2022 12:18

Tgt Ion: 57 Resp: 1234671

Ion	Ratio	Lower	Upper
57	100		
41	91.4	72.3	108.5
43	231.9	188.7	283.1
56	52.2	42.4	63.6

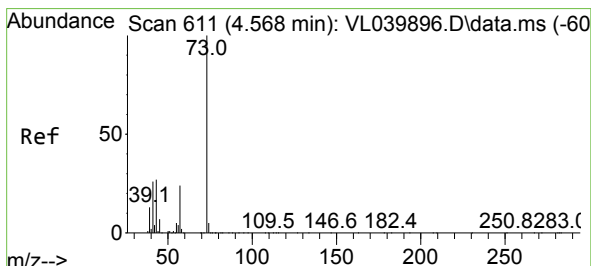
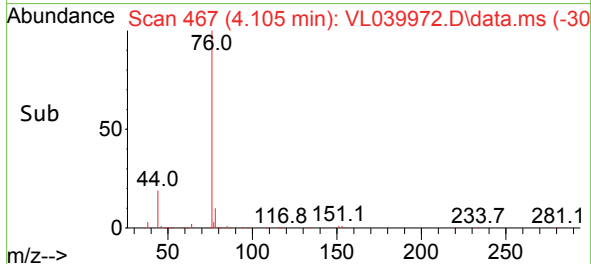
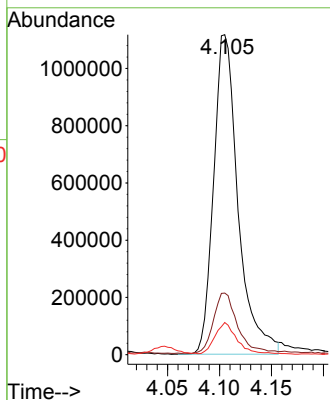
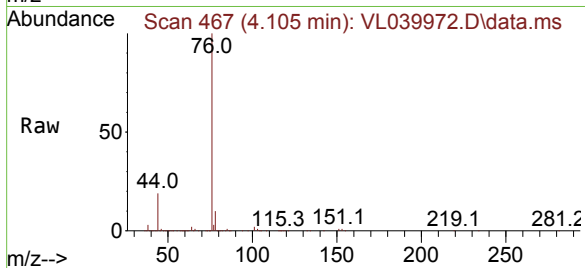




#27
Carbon Disulfide
Concen: 11.401 ppbv
RT: 4.105 min Scan# 467
Delta R.T. 0.019 min
Lab File: VL039972.D
Acq: 12 Dec 2022 12:18

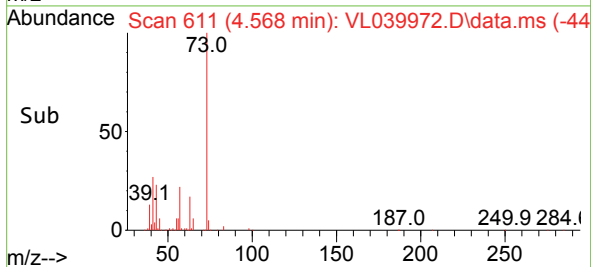
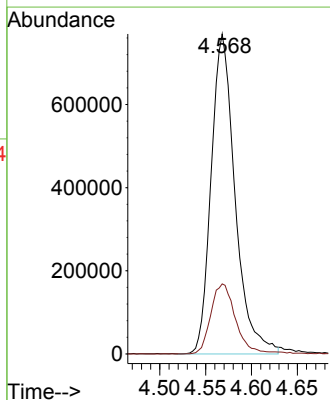
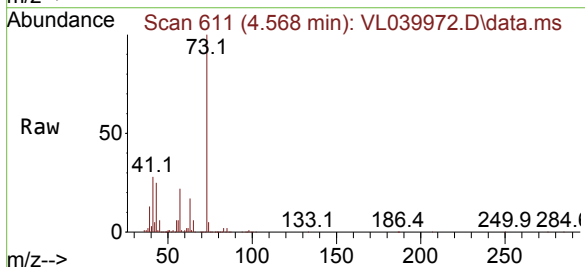
Instrument :
MSVOA_L
ClientSampleId :
VL1212ABS01

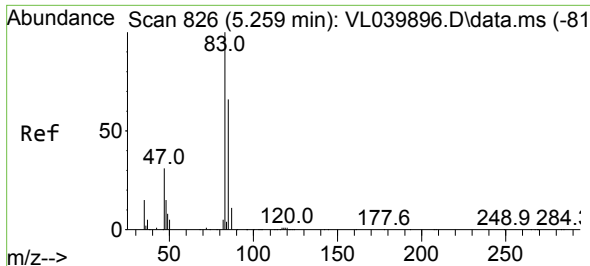
Tgt Ion: 76 Resp: 1827539
Ion Ratio Lower Upper
76 100
44 19.3 14.7 22.1
78 10.0 7.8 11.8



#28
Methyl tert-Butyl Ether
Concen: 8.785 ppbv
RT: 4.568 min Scan# 611
Delta R.T. 0.019 min
Lab File: VL039972.D
Acq: 12 Dec 2022 12:18

Tgt Ion: 73 Resp: 1396669
Ion Ratio Lower Upper
73 100
57 23.1 18.9 28.3





#29

Chloroform

Concen: 12.395 ppbv

RT: 5.256 min Scan# 81

Delta R.T. 0.019 min

Lab File: VL039972.D

Acq: 12 Dec 2022 12:18

Instrument :

MSVOA_L

ClientSampleId :

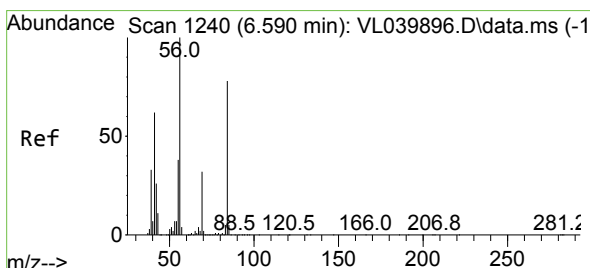
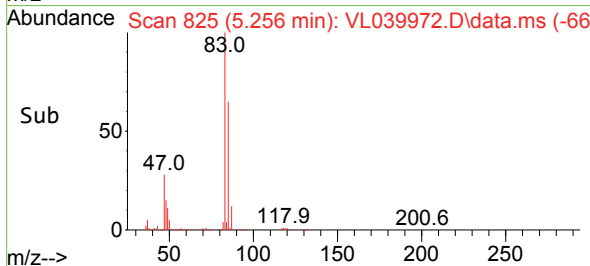
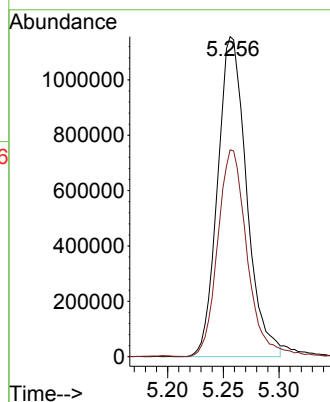
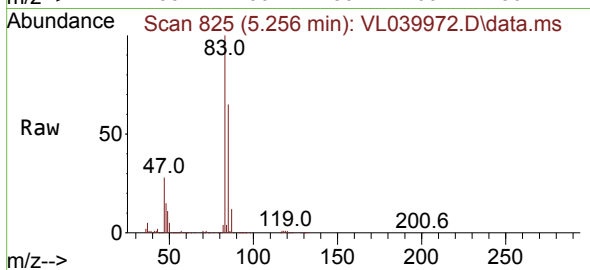
VL1212ABS01

Tgt Ion: 83 Resp: 2091491

Ion Ratio Lower Upper

83 100

85 64.6 52.4 78.6



#30

Cyclohexane

Concen: 8.747 ppbv

RT: 6.587 min Scan# 1239

Delta R.T. 0.023 min

Lab File: VL039972.D

Acq: 12 Dec 2022 12:18

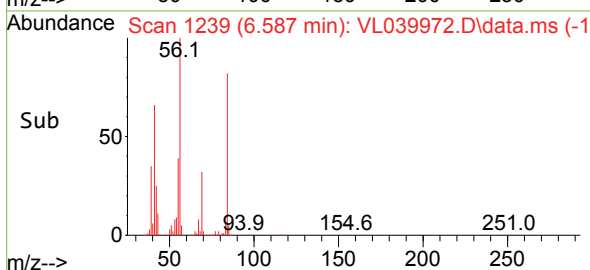
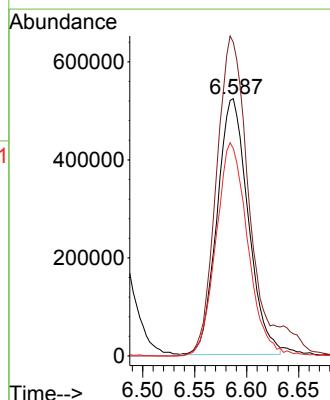
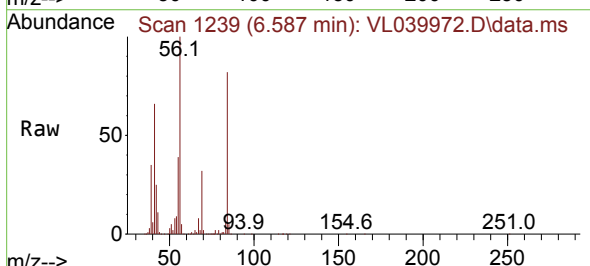
Tgt Ion: 84 Resp: 1089961

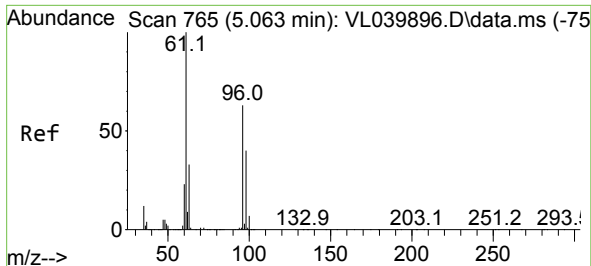
Ion Ratio Lower Upper

84 100

56 135.8 112.5 168.7

41 85.3 67.8 101.8



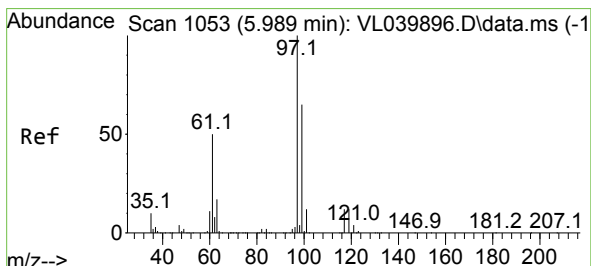
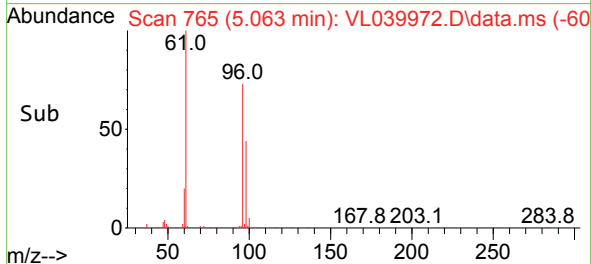
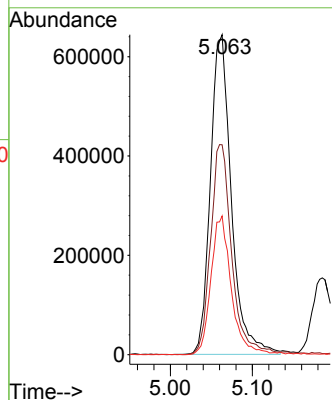
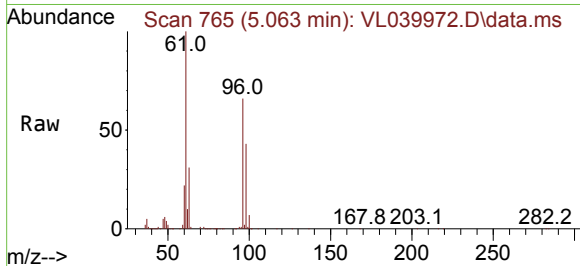


#31
 cis-1,2-Dichloroethene
 Concen: 9.750 ppbv
 RT: 5.063 min Scan# 765
 Delta R.T. 0.023 min
 Lab File: VL039972.D
 Acq: 12 Dec 2022 12:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1212ABS01

Tgt Ion: 61 Resp: 1143828

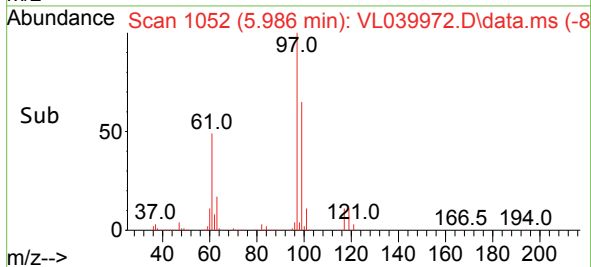
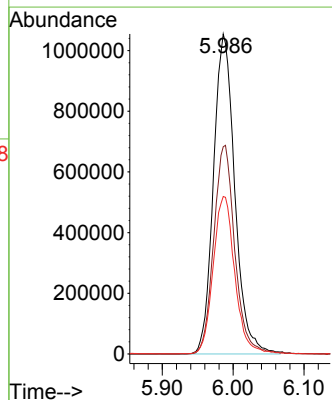
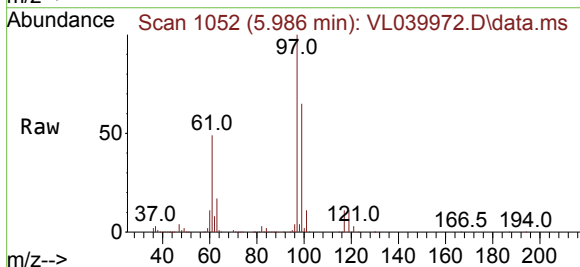
Ion	Ratio	Lower	Upper
61	100		
96	65.6	50.3	75.5
98	43.4	32.2	48.2

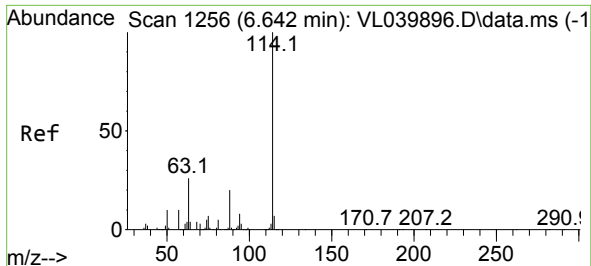


#32
 1,1,1-Trichloroethane
 Concen: 10.460 ppbv
 RT: 5.986 min Scan# 1052
 Delta R.T. 0.019 min
 Lab File: VL039972.D
 Acq: 12 Dec 2022 12:18

Tgt Ion: 97 Resp: 2204188

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.4	77.0
61	50.2	40.7	61.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.639 min Scan# 11

Delta R.T. 0.019 min

Lab File: VL039972.D

Acq: 12 Dec 2022 12:18

Instrument :

MSVOA_L

ClientSampleId :

VL1212ABS01

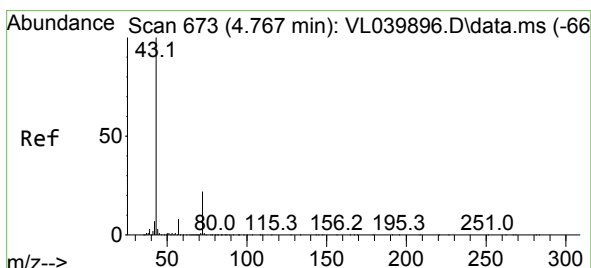
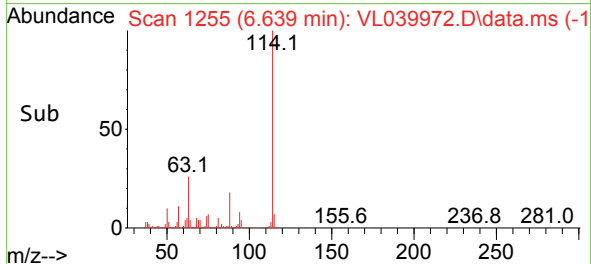
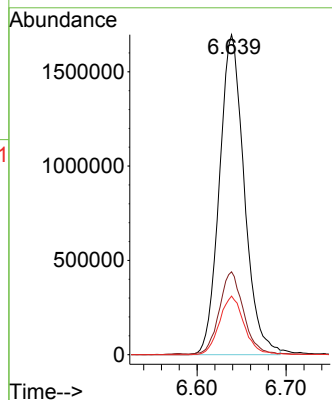
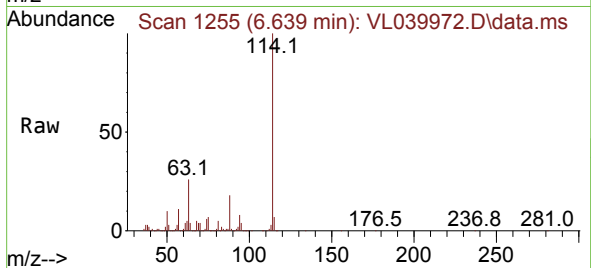
Tgt Ion:114 Resp: 3286811

Ion Ratio Lower Upper

114 100

63 25.9 21.4 32.0

88 18.4 15.3 22.9



#34

2-Butanone

Concen: 10.289 ppbv

RT: 4.767 min Scan# 673

Delta R.T. 0.016 min

Lab File: VL039972.D

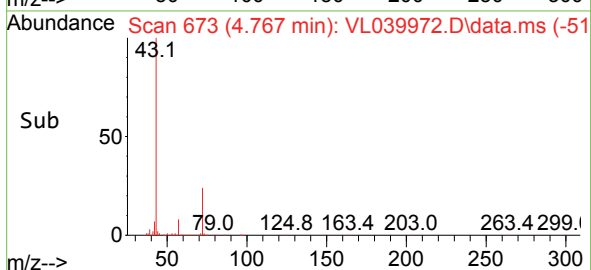
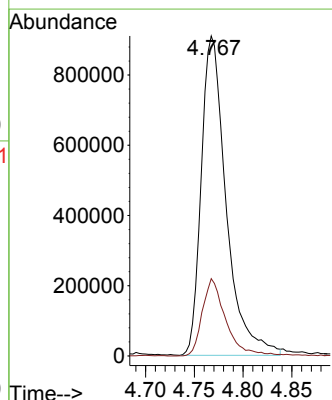
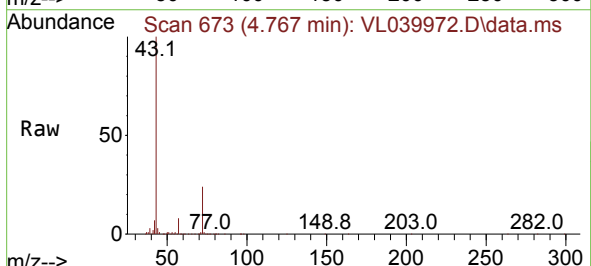
Acq: 12 Dec 2022 12:18

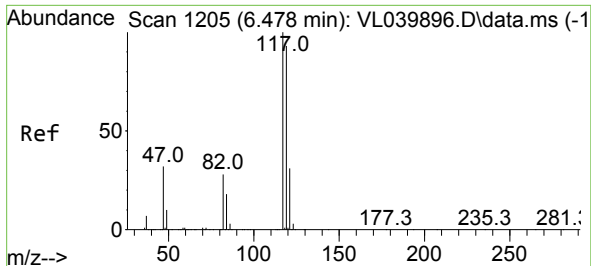
Tgt Ion: 43 Resp: 1618097

Ion Ratio Lower Upper

43 100

72 23.4 17.4 26.2

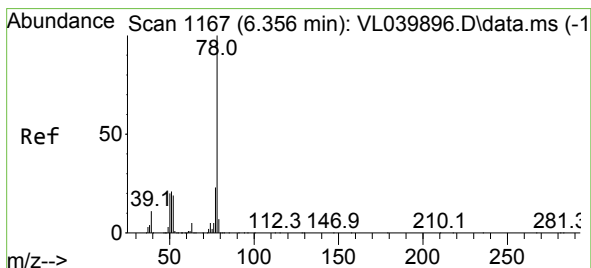
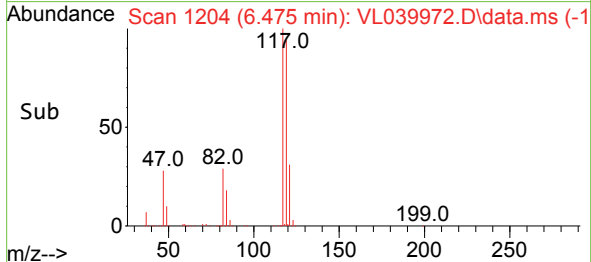
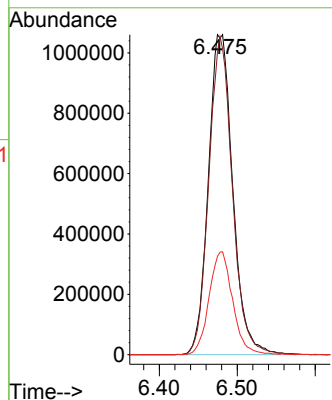
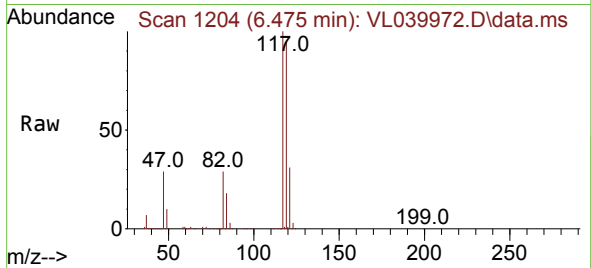




#35
Carbon Tetrachloride
Concen: 12.402 ppbv
RT: 6.475 min Scan# 117
Delta R.T. 0.019 min
Lab File: VL039972.D
Acq: 12 Dec 2022 12:18

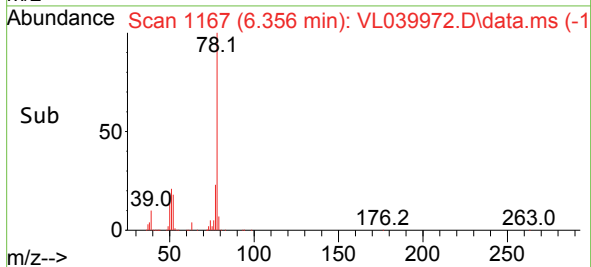
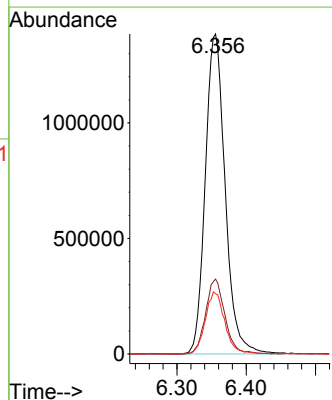
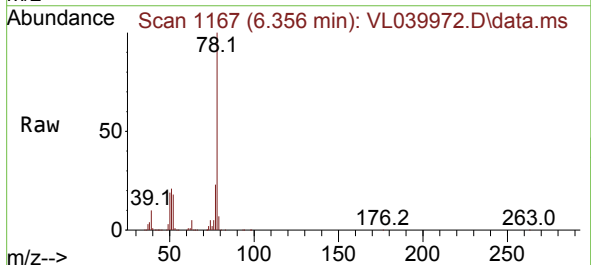
Instrument :
MSVOA_L
ClientSampleId :
VL1212ABS01

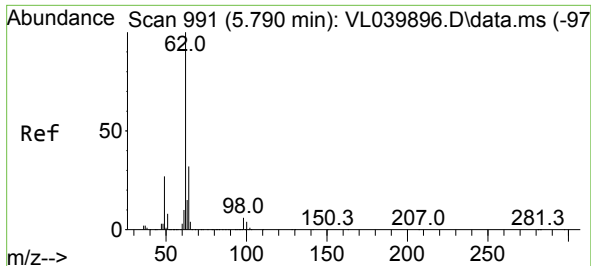
Tgt Ion:117 Resp: 2315049
Ion Ratio Lower Upper
117 100
119 94.5 74.7 112.1
121 30.7 24.5 36.7



#36
Benzene
Concen: 9.858 ppbv
RT: 6.356 min Scan# 1167
Delta R.T. 0.023 min
Lab File: VL039972.D
Acq: 12 Dec 2022 12:18

Tgt Ion: 78 Resp: 2754004
Ion Ratio Lower Upper
78 100
77 23.4 18.2 27.2
50 18.8 15.8 23.8





#37

1,2-Dichloroethane

Concen: 10.788 ppbv

RT: 5.790 min Scan# 991

Delta R.T. 0.023 min

Lab File: VL039972.D

Acq: 12 Dec 2022 12:18

Instrument :

MSVOA_L

ClientSampleId :

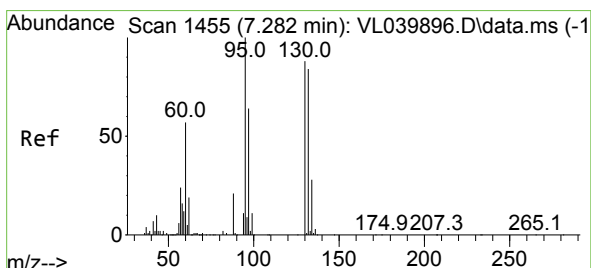
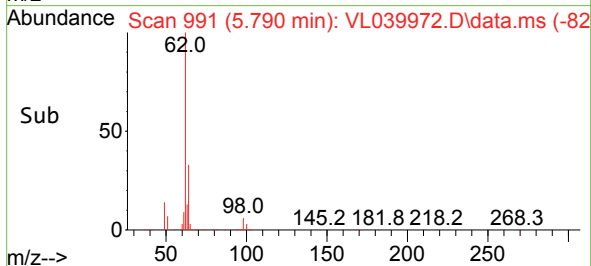
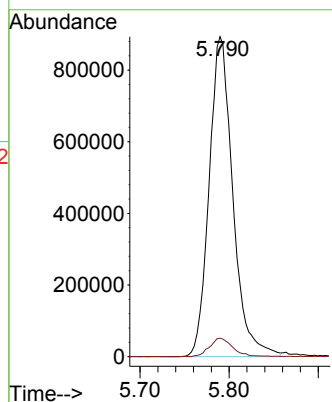
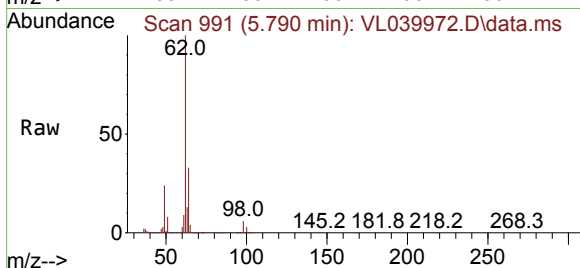
VL1212ABS01

Tgt Ion: 62 Resp: 1651622

Ion Ratio Lower Upper

62 100

98 5.8 5.0 7.6



#38

Trichloroethene

Concen: 9.989 ppbv

RT: 7.275 min Scan# 1453

Delta R.T. 0.019 min

Lab File: VL039972.D

Acq: 12 Dec 2022 12:18

Tgt Ion:130 Resp: 1560075

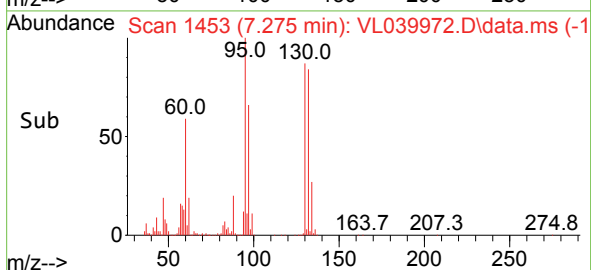
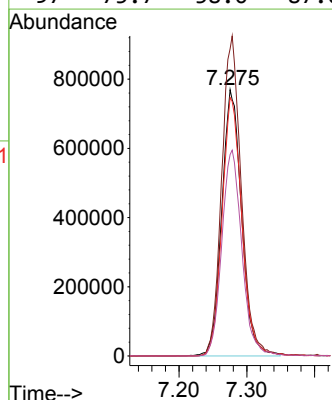
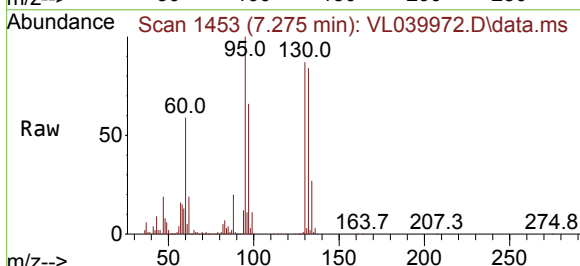
Ion Ratio Lower Upper

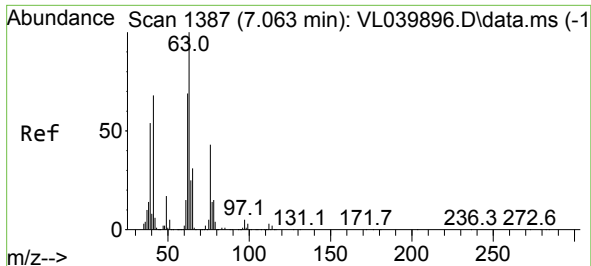
130 100

95 115.4 90.6 135.8

132 97.1 76.2 114.4

97 75.7 58.0 87.0





#39

1,2-Dichloropropane

Concen: 9.590 ppbv

RT: 7.057 min Scan# 11

Delta R.T. 0.023 min

Lab File: VL039972.D

Acq: 12 Dec 2022 12:18

Instrument :

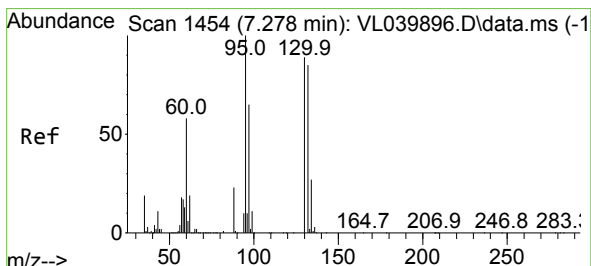
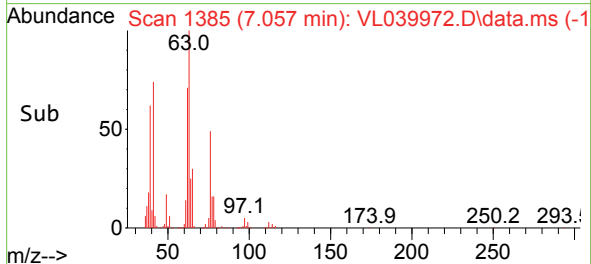
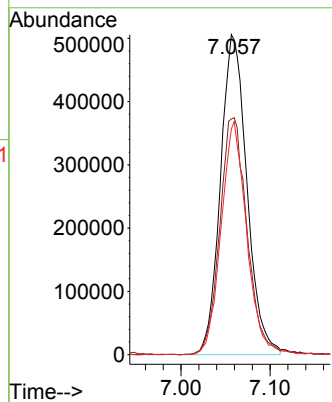
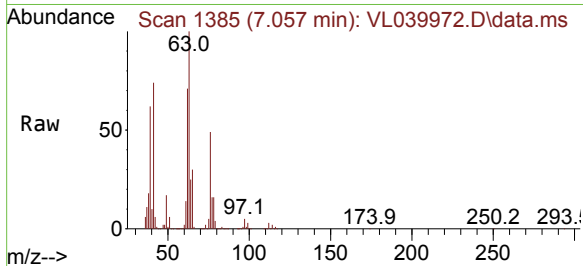
MSVOA_L

ClientSampleId :

VL1212ABS01

Tgt Ion: 63 Resp: 1043829

Ion	Ratio	Lower	Upper
63	100		
41	73.7	54.7	82.1
62	70.6	55.0	82.6



#40

1,4-Dioxane

Concen: 9.022 ppbv

RT: 7.272 min Scan# 1452

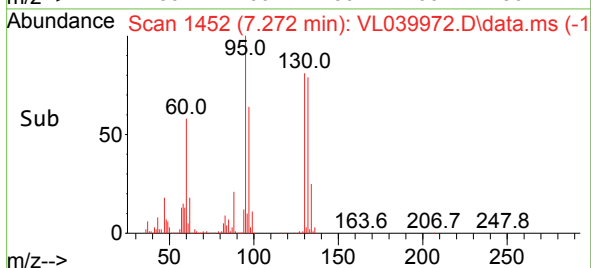
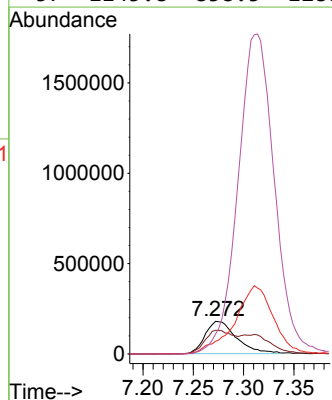
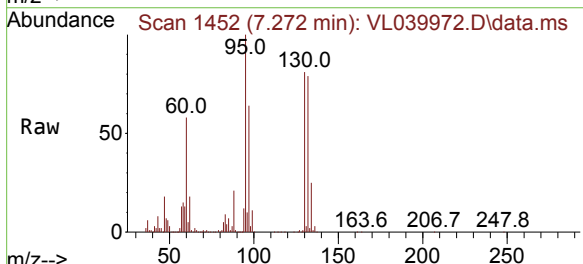
Delta R.T. 0.019 min

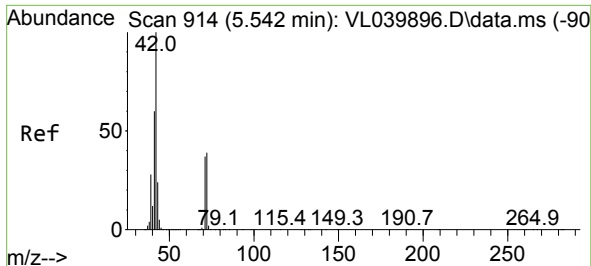
Lab File: VL039972.D

Acq: 12 Dec 2022 12:18

Tgt Ion: 88 Resp: 391214

Ion	Ratio	Lower	Upper
88	100		
58	125.2	100.5	150.7
43	258.0	195.8	293.8
57	1145.8	858.5	1287.7





#41

Tetrahydrofuran

Concen: 9.479 ppbv

RT: 5.539 min Scan# 91

Delta R.T. 0.019 min

Lab File: VL039972.D

Acq: 12 Dec 2022 12:18

Instrument :

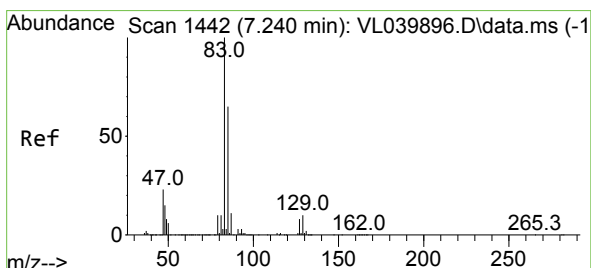
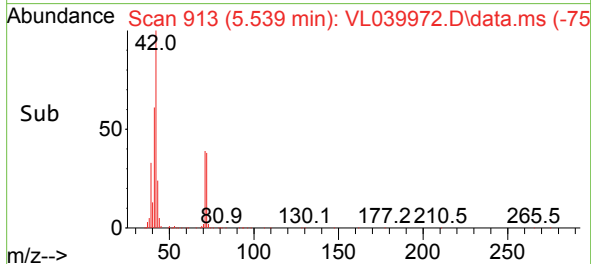
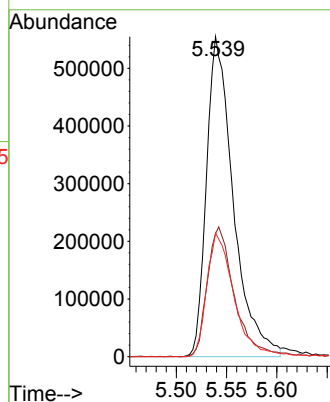
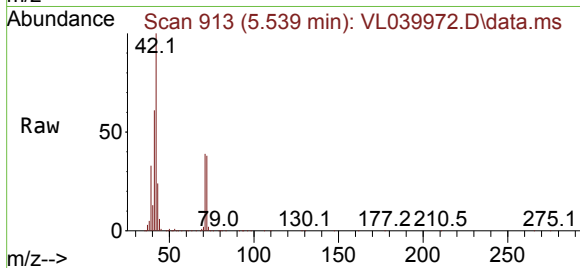
MSVOA_L

ClientSampleId :

VL1212ABS01

Tgt Ion: 42 Resp: 1029157

Ion	Ratio	Lower	Upper
42	100		
72	41.6	31.6	47.4
71	39.7	31.2	46.8



#42

Bromodichloromethane

Concen: 11.872 ppbv

RT: 7.233 min Scan# 1440

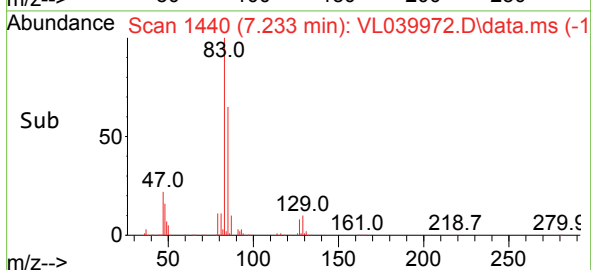
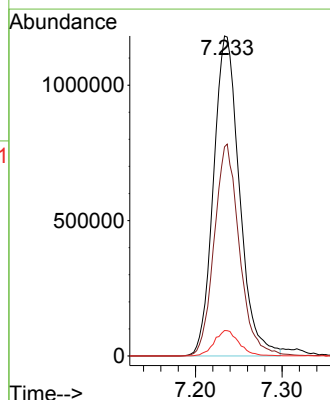
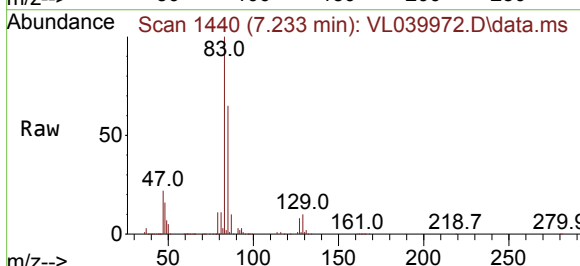
Delta R.T. 0.023 min

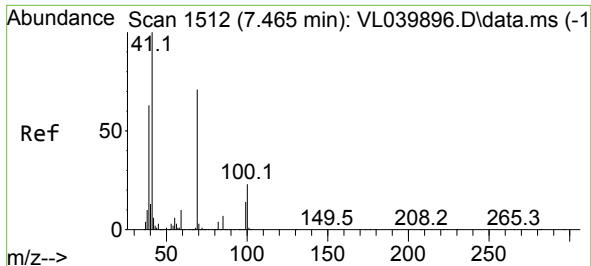
Lab File: VL039972.D

Acq: 12 Dec 2022 12:18

Tgt Ion: 83 Resp: 2464985

Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.0	78.0
127	7.9	6.5	9.7





#43

Methyl Methacrylate

Concen: 9.987 ppbv

RT: 7.462 min Scan# 1

Delta R.T. 0.023 min

Lab File: VL039972.D

Acq: 12 Dec 2022 12:18

Instrument :

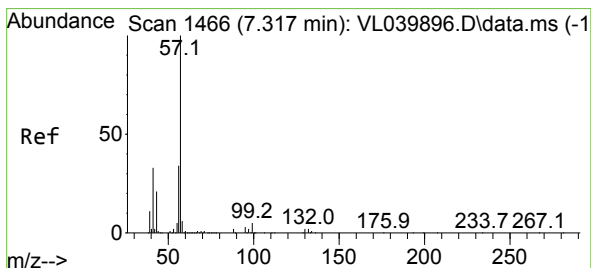
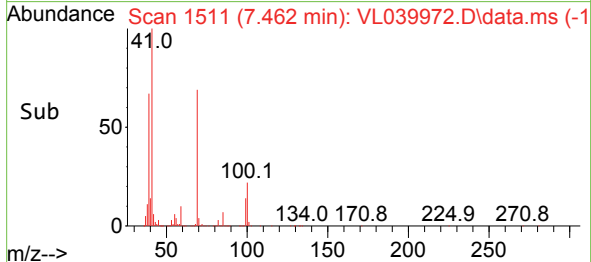
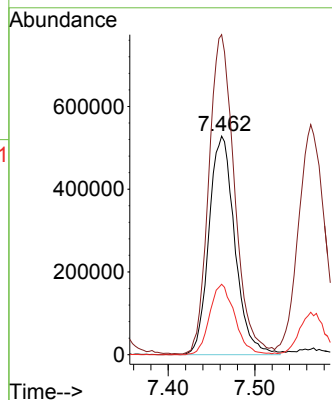
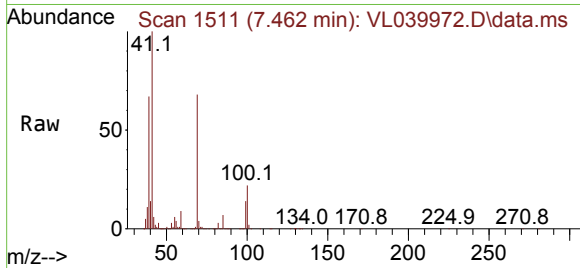
MSVOA_L

ClientSampleId :

VL1212ABS01

Tgt Ion: 69 Resp: 1093962

Ion	Ratio	Lower	Upper
69	100		
41	145.7	116.4	174.6
100	31.4	26.8	40.2



#44

2,2,4-Trimethylpentane

Concen: 9.598 ppbv

RT: 7.314 min Scan# 1465

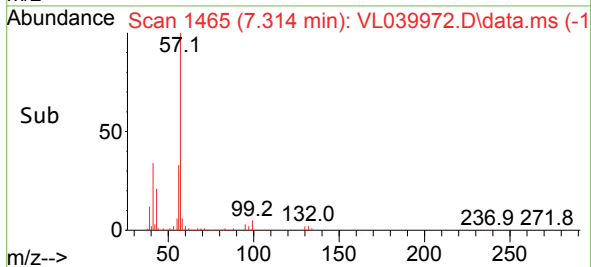
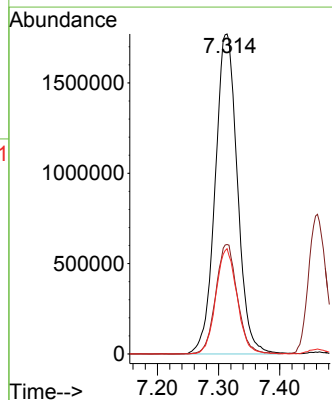
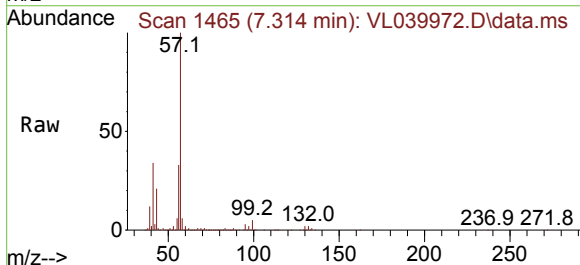
Delta R.T. 0.023 min

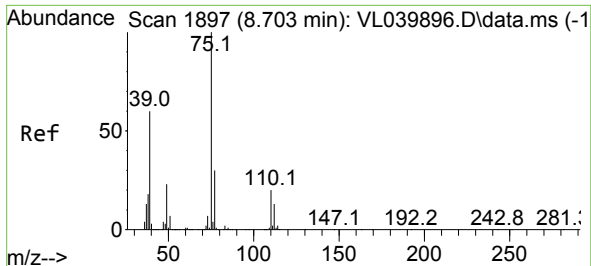
Lab File: VL039972.D

Acq: 12 Dec 2022 12:18

Tgt Ion: 57 Resp: 4476305

Ion	Ratio	Lower	Upper
57	100		
41	33.4	26.2	39.2
56	31.4	25.5	38.3





#45

t-1,3-Dichloropropene

Concen: 10.727 ppbv

RT: 8.700 min Scan# 11

Delta R.T. 0.026 min

Lab File: VL039972.D

Acq: 12 Dec 2022 12:18

Instrument :

MSVOA_L

ClientSampleId :

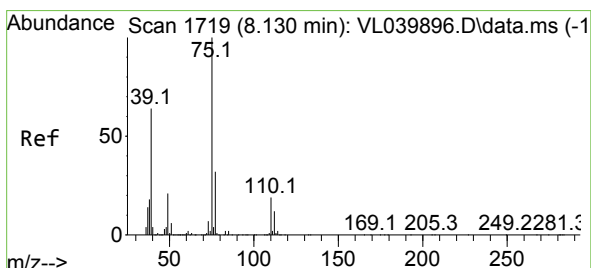
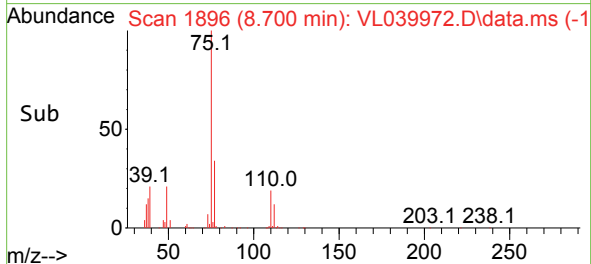
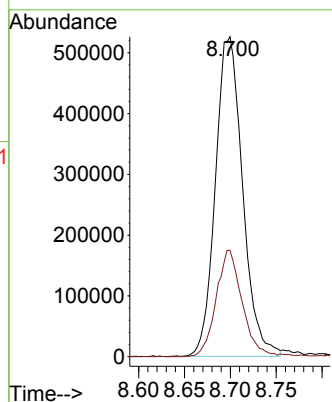
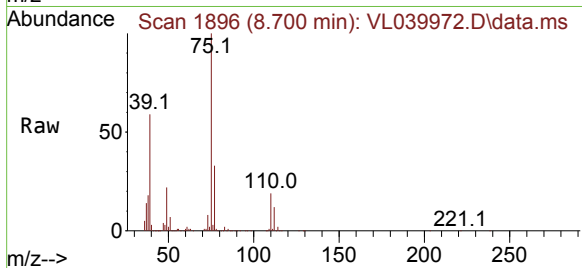
VL1212ABS01

Tgt Ion: 75 Resp: 1085541

Ion Ratio Lower Upper

75 100

77 33.3 24.2 36.4



#46

cis-1,3-Dichloropropene

Concen: 10.376 ppbv

RT: 8.130 min Scan# 1719

Delta R.T. 0.023 min

Lab File: VL039972.D

Acq: 12 Dec 2022 12:18

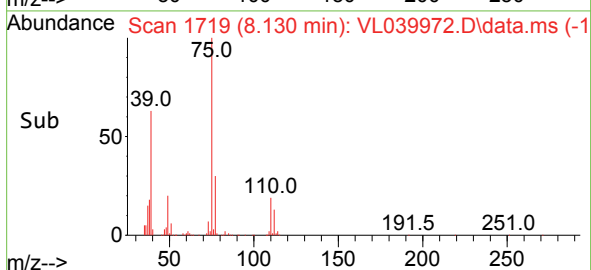
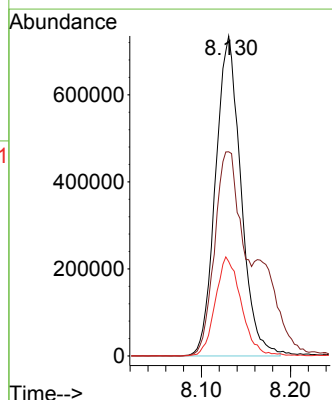
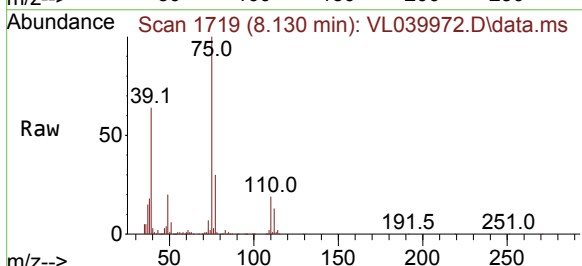
Tgt Ion: 75 Resp: 1454581

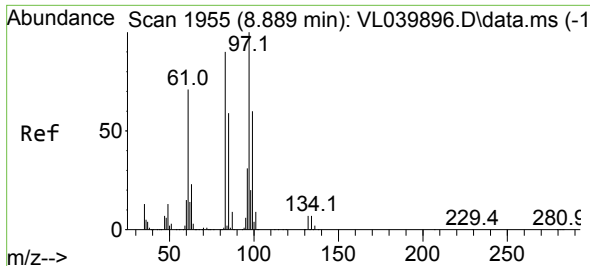
Ion Ratio Lower Upper

75 100

39 63.8 51.0 76.4

77 29.5 25.4 38.0



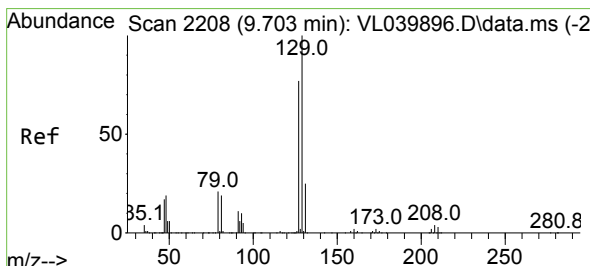
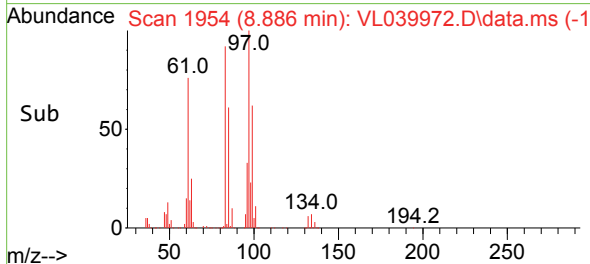
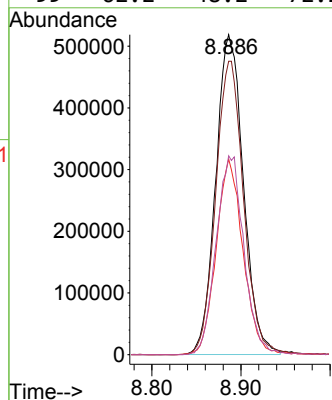
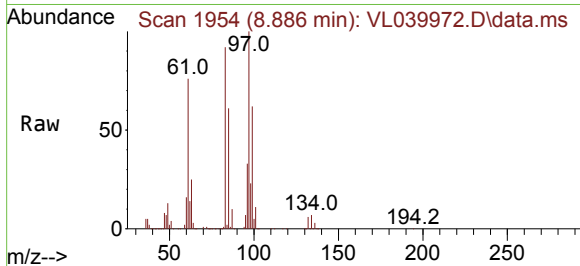


#47
1,1,2-Trichloroethane
Concen: 10.013 ppbv
RT: 8.886 min Scan# 1954
Delta R.T. 0.023 min
Lab File: VL039972.D
Acq: 12 Dec 2022 12:18

Instrument :
MSVOA_L
ClientSampleId :
VL1212ABS01

Tgt Ion: 97 Resp: 1120178

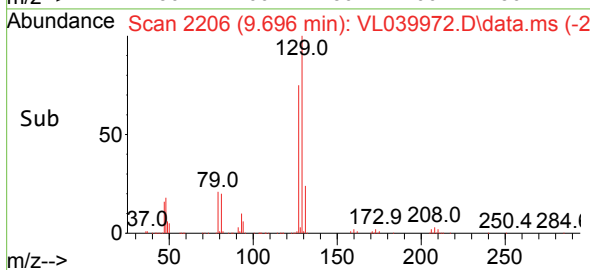
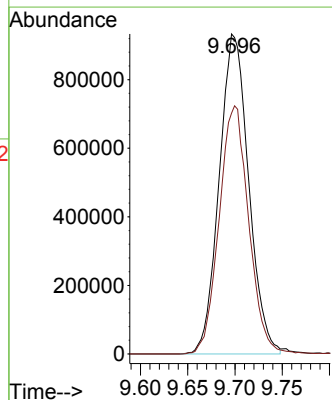
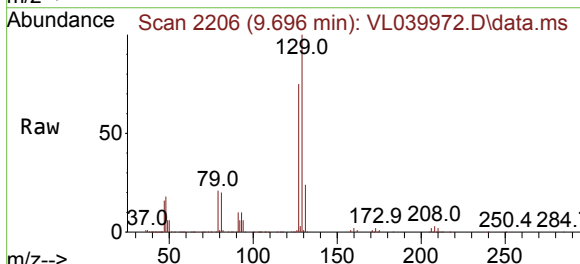
Ion	Ratio	Lower	Upper
97	100		
83	91.6	72.1	108.1
85	61.1	47.2	70.8
99	62.2	48.2	72.2

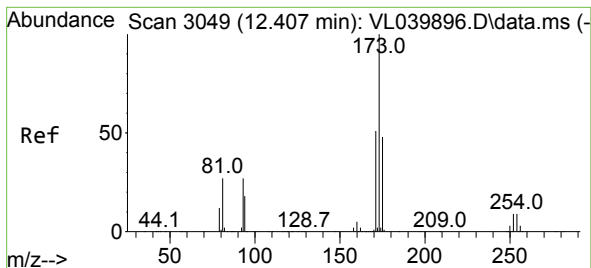


#48
Dibromochloromethane
Concen: 12.326 ppbv
RT: 9.696 min Scan# 2206
Delta R.T. 0.019 min
Lab File: VL039972.D
Acq: 12 Dec 2022 12:18

Tgt Ion: 129 Resp: 2019642

Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.1	117.3





#49

Bromoform

Concen: 11.854 ppbv

RT: 12.394 min Scan# 3049

Delta R.T. 0.019 min

Lab File: VL039972.D

Acq: 12 Dec 2022 12:18

Instrument :

MSVOA_L

ClientSampleId :

VL1212ABS01

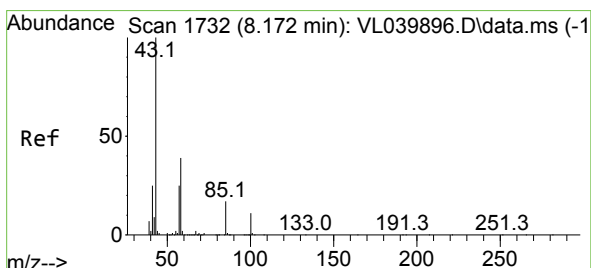
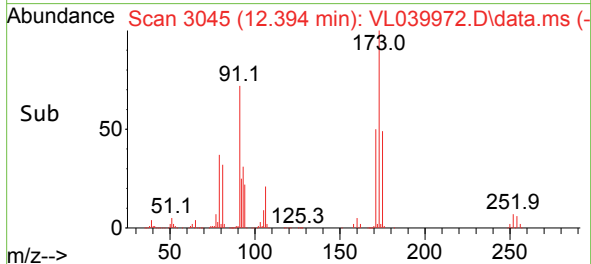
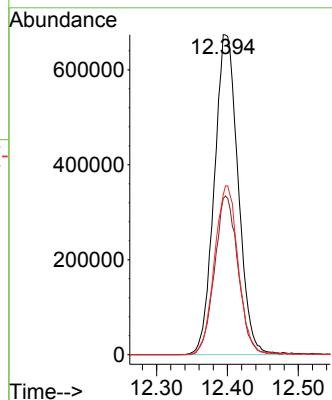
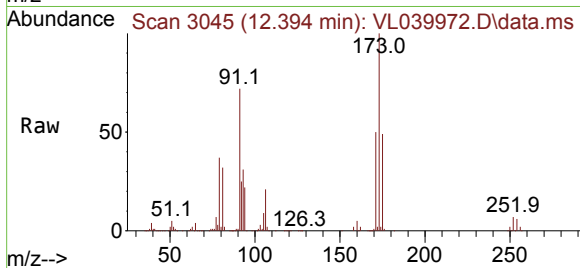
Tgt Ion:173 Resp: 1572237

Ion Ratio Lower Upper

173 100

175 49.2 39.1 58.7

171 53.1 41.8 62.8



#50

4-Methyl-2-Pentanone

Concen: 9.804 ppbv

RT: 8.169 min Scan# 1731

Delta R.T. 0.023 min

Lab File: VL039972.D

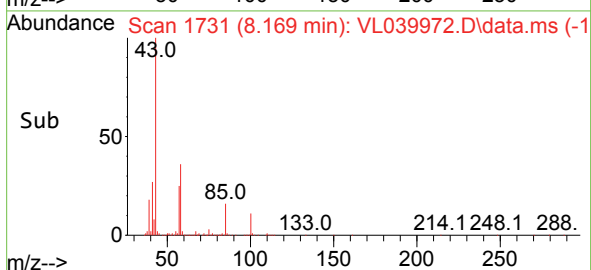
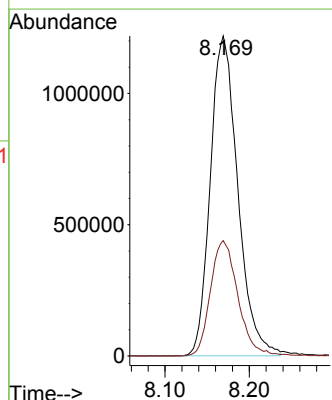
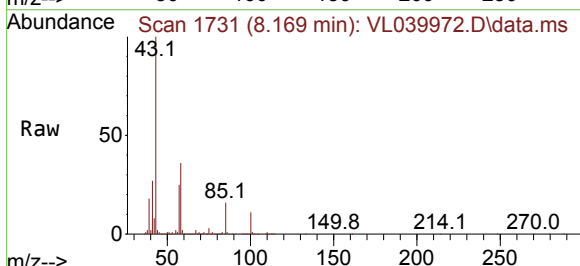
Acq: 12 Dec 2022 12:18

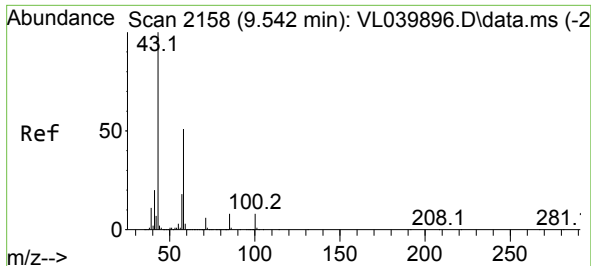
Tgt Ion: 43 Resp: 2761439

Ion Ratio Lower Upper

43 100

58 36.3 29.8 44.6

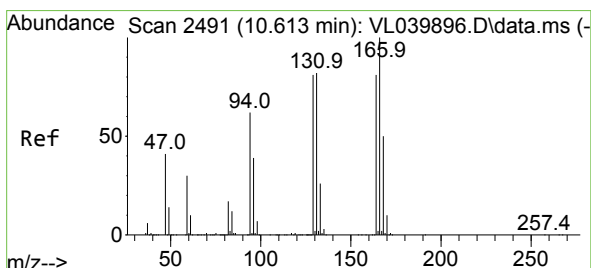
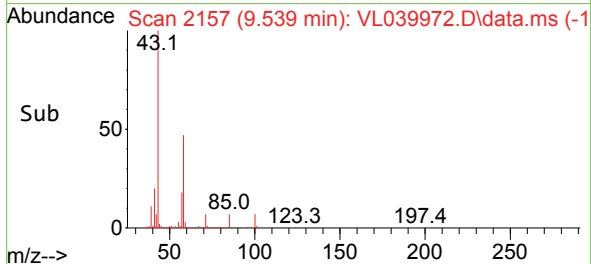
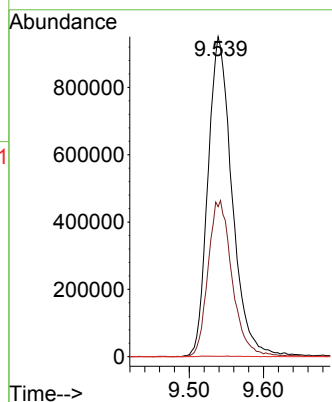
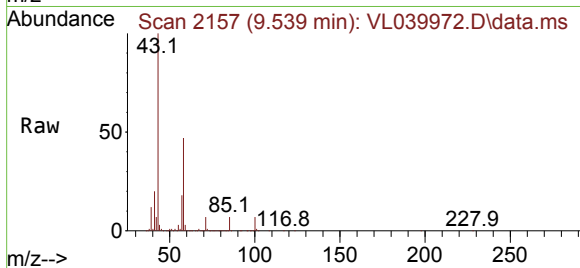




#51
2-Hexanone
Concen: 9.778 ppbv
RT: 9.539 min Scan# 2158
Delta R.T. 0.023 min
Lab File: VL039972.D
Acq: 12 Dec 2022 12:18

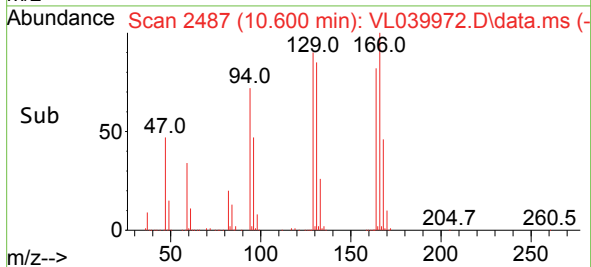
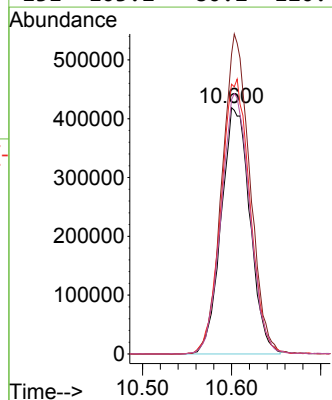
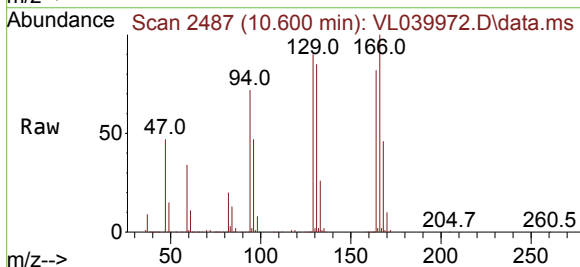
Instrument :
MSVOA_L
ClientSampleId :
VL1212ABS01

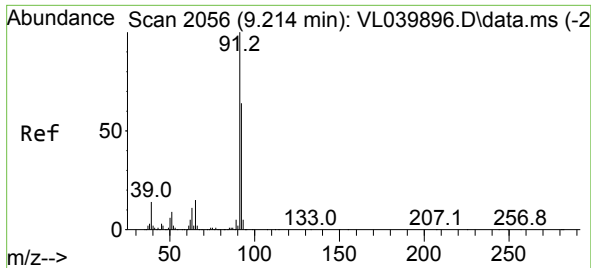
Tgt Ion: 43 Resp: 2138154
Ion Ratio Lower Upper
43 100
58 49.2 40.2 60.4
98 0.3 0.1 0.1#



#52
Tetrachloroethene
Concen: 8.956 ppbv
RT: 10.600 min Scan# 2487
Delta R.T. 0.019 min
Lab File: VL039972.D
Acq: 12 Dec 2022 12:18

Tgt Ion: 164 Resp: 936034
Ion Ratio Lower Upper
164 100
166 121.7 98.3 147.5
129 109.5 79.7 119.5
131 103.2 80.2 120.4

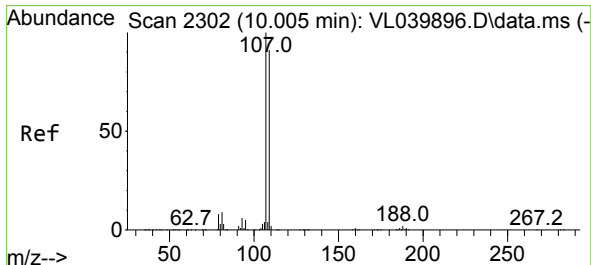
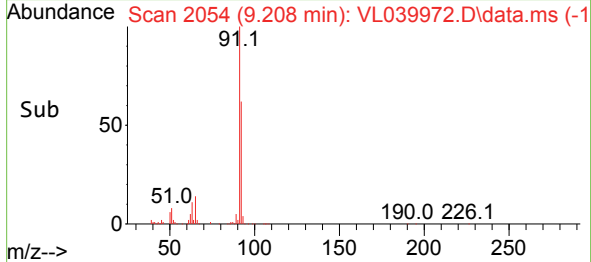
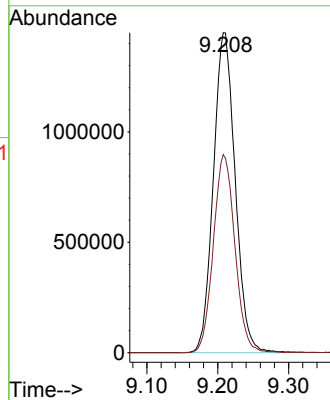
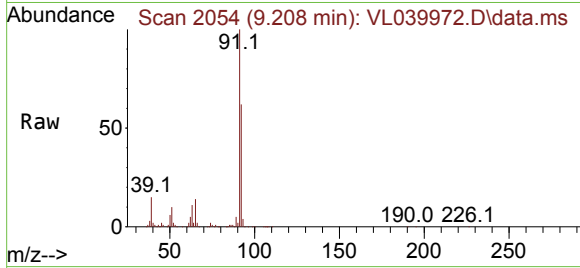




#53
Toluene
Concen: 9.731 ppbv
RT: 9.208 min Scan# 2056
Delta R.T. 0.023 min
Lab File: VL039972.D
Acq: 12 Dec 2022 12:18

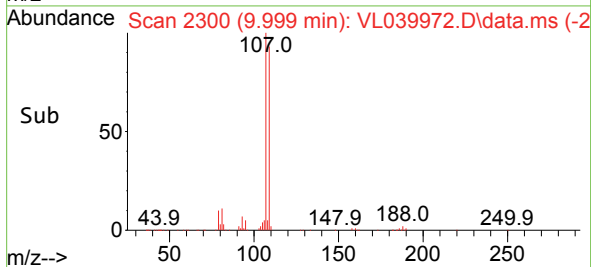
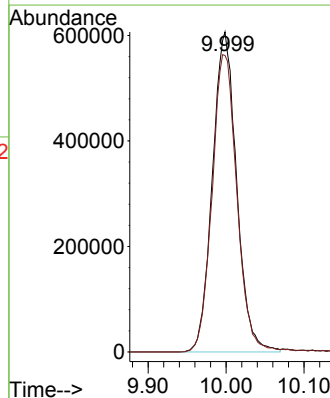
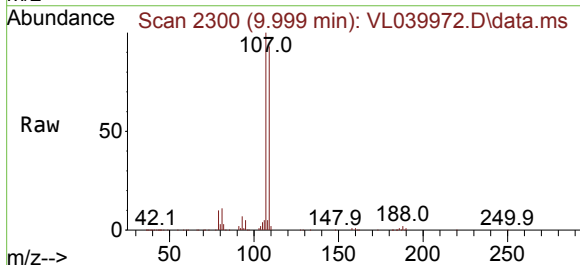
Instrument :
MSVOA_L
ClientSampleId :
VL1212ABS01

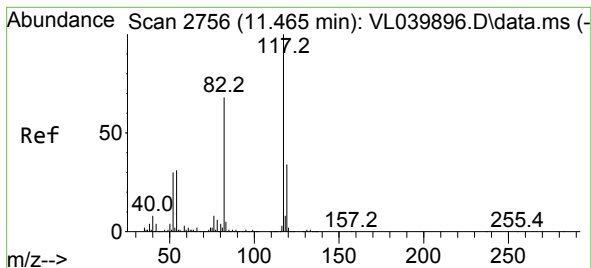
Tgt Ion: 91 Resp: 3096979
Ion Ratio Lower Upper
91 100
92 61.3 49.8 74.6



#54
1,2-Dibromoethane
Concen: 10.953 ppbv
RT: 9.999 min Scan# 2300
Delta R.T. 0.026 min
Lab File: VL039972.D
Acq: 12 Dec 2022 12:18

Tgt Ion: 107 Resp: 1307604
Ion Ratio Lower Upper
107 100
109 92.6 72.8 109.2

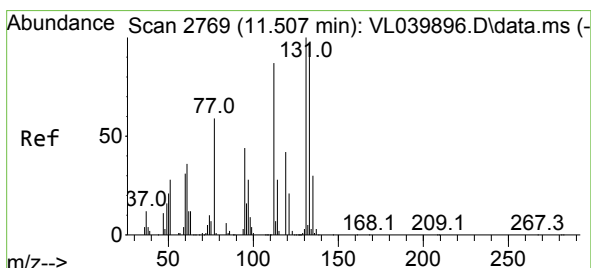
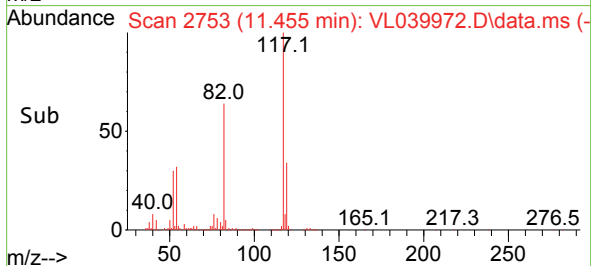
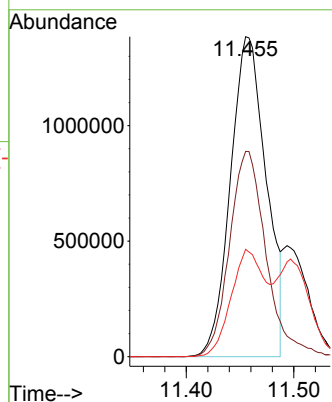
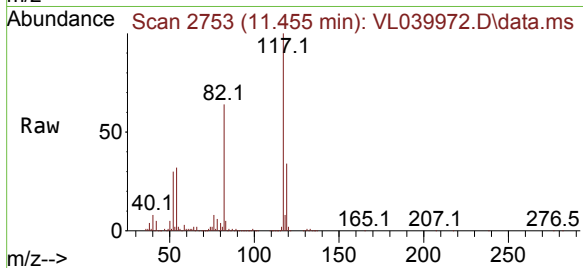




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 21
Delta R.T. 0.023 min
Lab File: VL039972.D
Acq: 12 Dec 2022 12:18

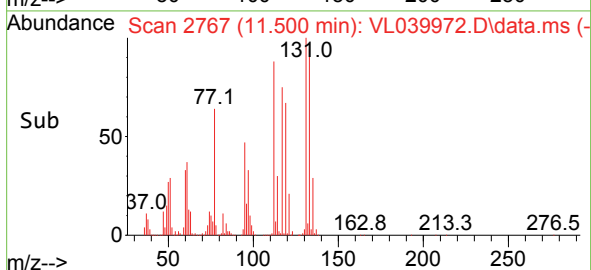
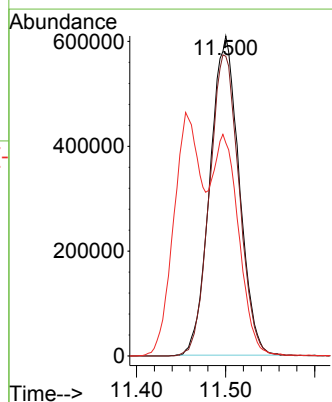
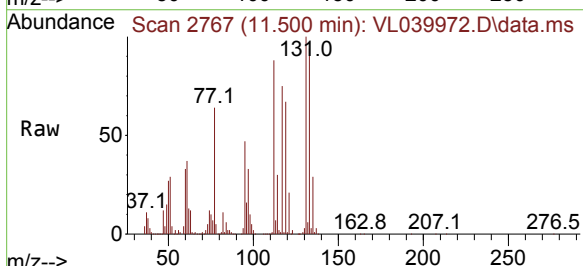
Instrument :
MSVOA_L
ClientSampleId :
VL1212ABS01

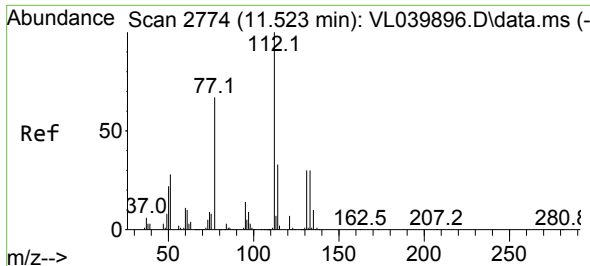
Tgt Ion:117 Resp: 3198115
Ion Ratio Lower Upper
117 100
82 66.1 52.3 78.5
119 29.4 25.7 38.5



#56
1,1,1,2-Tetrachloroethane
Concen: 10.587 ppbv
RT: 11.500 min Scan# 2767
Delta R.T. 0.026 min
Lab File: VL039972.D
Acq: 12 Dec 2022 12:18

Tgt Ion:131 Resp: 1383975
Ion Ratio Lower Upper
131 100
133 96.3 76.7 115.1
119 66.0 46.6 69.8

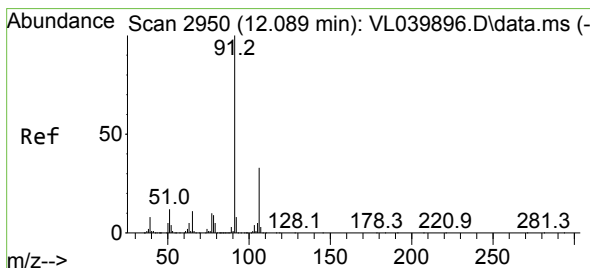
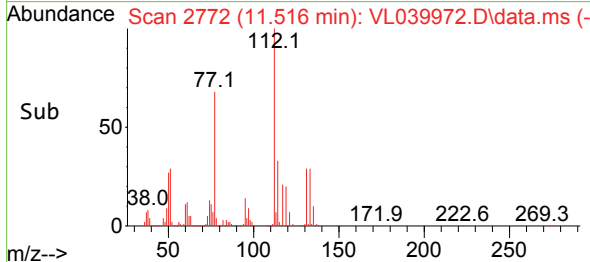
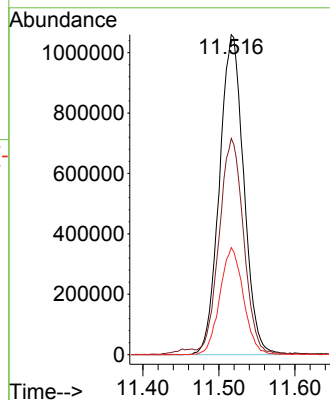
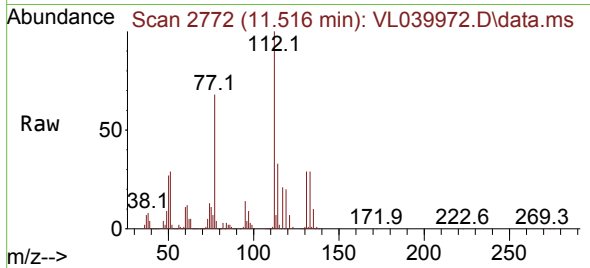




#57
Chlorobenzene
Concen: 9.611 ppbv
RT: 11.516 min Scan# 21
Delta R.T. 0.026 min
Lab File: VL039972.D
Acq: 12 Dec 2022 12:18

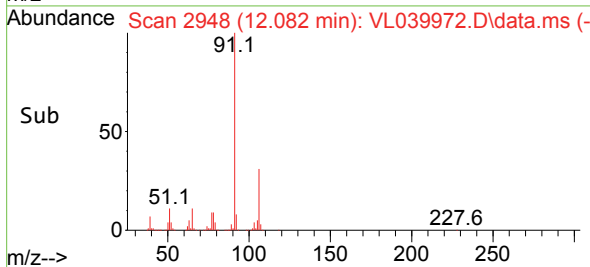
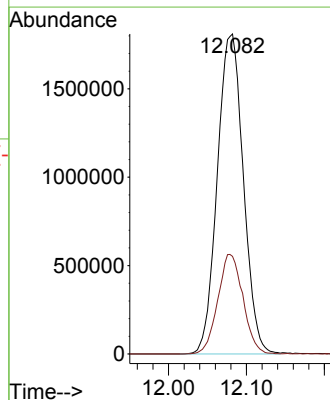
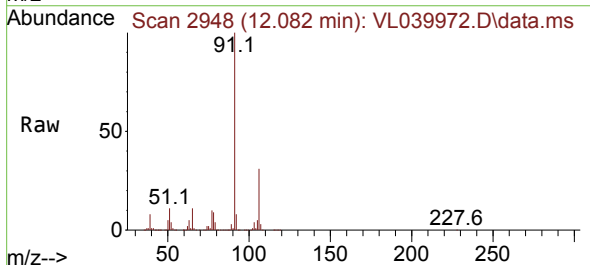
Instrument :
MSVOA_L
ClientSampleId :
VL1212ABS01

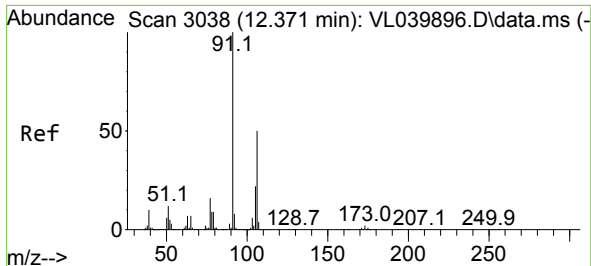
Tgt Ion:112 Resp: 2350204
Ion Ratio Lower Upper
112 100
77 67.1 54.6 81.8
114 33.5 30.1 36.7



#58
Ethyl Benzene
Concen: 9.697 ppbv
RT: 12.082 min Scan# 2948
Delta R.T. 0.026 min
Lab File: VL039972.D
Acq: 12 Dec 2022 12:18

Tgt Ion: 91 Resp: 4207277
Ion Ratio Lower Upper
91 100
106 30.5 26.1 39.1

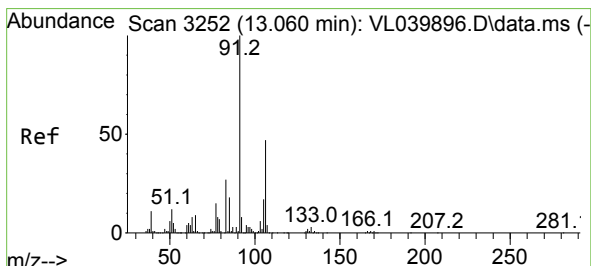
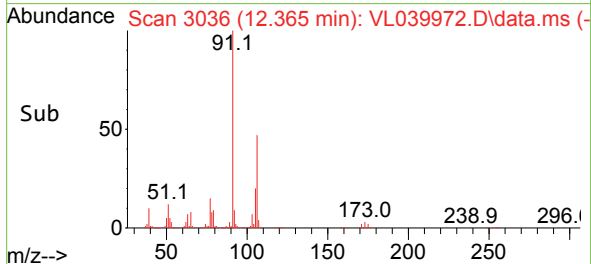
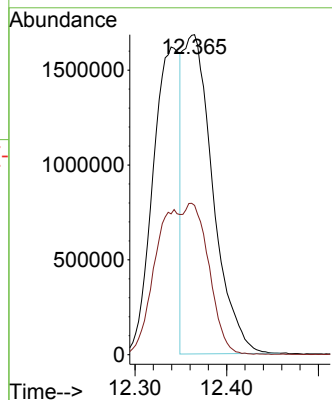
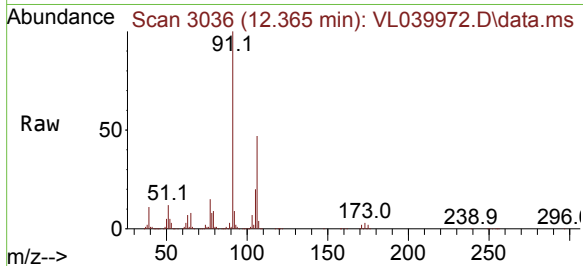




#59
m/p-Xylene
Concen: 10.488 ppbv
RT: 12.365 min Scan# 3036
Delta R.T. 0.026 min
Lab File: VL039972.D
Acq: 12 Dec 2022 12:18

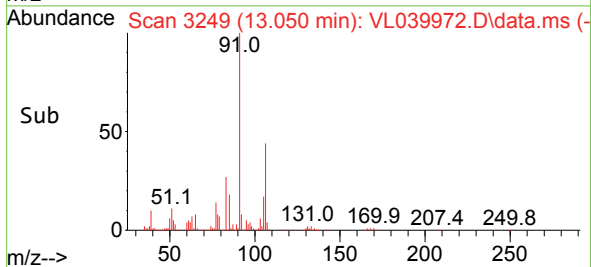
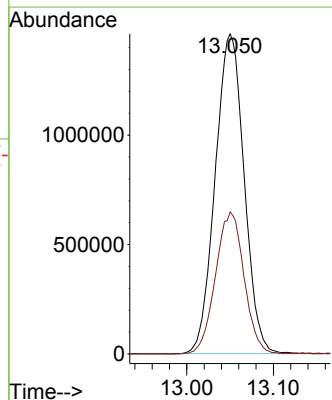
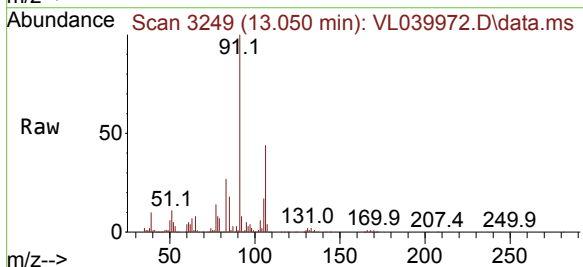
Instrument :
MSVOA_L
ClientSampleId :
VL1212ABS01

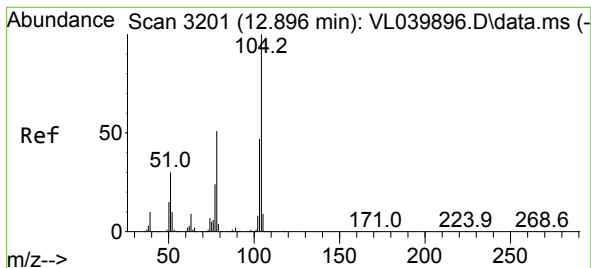
Tgt Ion: 91 Resp: 3808572
Ion Ratio Lower Upper
91 100
106 81.5 37.0 55.6#



#60
o-Xylene
Concen: 9.781 ppbv
RT: 13.050 min Scan# 3249
Delta R.T. 0.023 min
Lab File: VL039972.D
Acq: 12 Dec 2022 12:18

Tgt Ion: 91 Resp: 3387156
Ion Ratio Lower Upper
91 100
106 43.9 23.2 69.6





#61

Styrene

Concen: 9.572 ppbv

RT: 12.889 min Scan# 3199

Delta R.T. 0.026 min

Lab File: VL039972.D

Acq: 12 Dec 2022 12:18

Instrument :

MSVOA_L

ClientSampleId :

VL1212ABS01

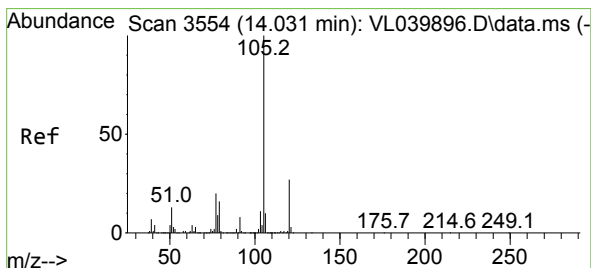
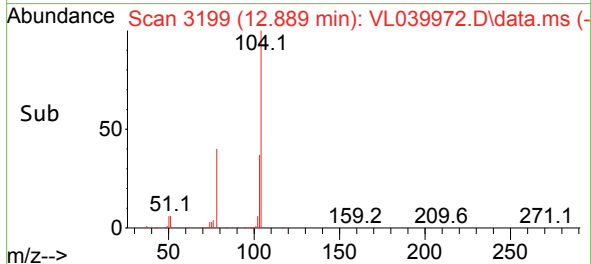
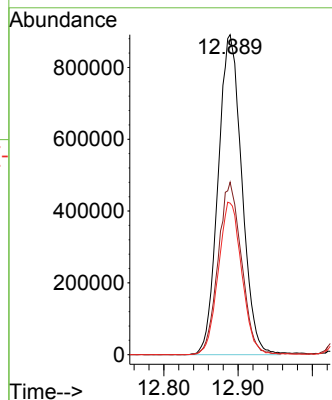
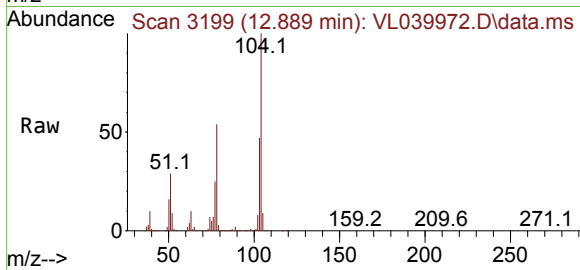
Tgt Ion:104 Resp: 1978741

Ion Ratio Lower Upper

104 100

78 53.3 41.8 62.8

103 47.4 37.2 55.8



#62

Isopropylbenzene

Concen: 9.529 ppbv

RT: 14.021 min Scan# 3551

Delta R.T. 0.026 min

Lab File: VL039972.D

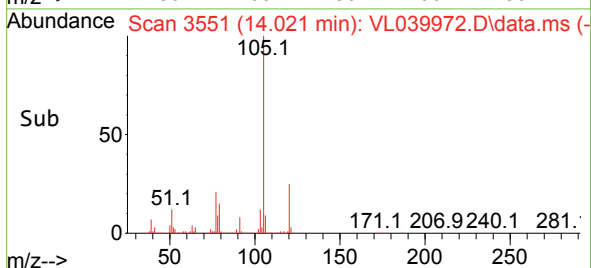
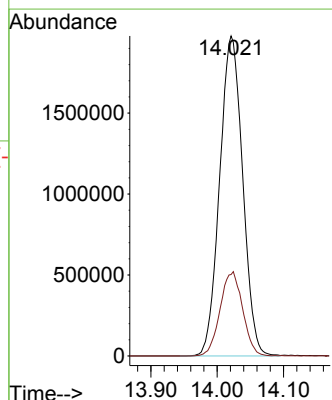
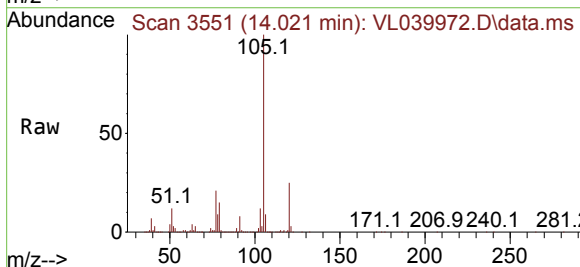
Acq: 12 Dec 2022 12:18

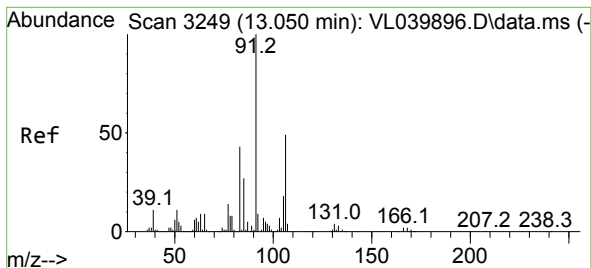
Tgt Ion:105 Resp: 4758895

Ion Ratio Lower Upper

105 100

120 25.9 21.4 32.2

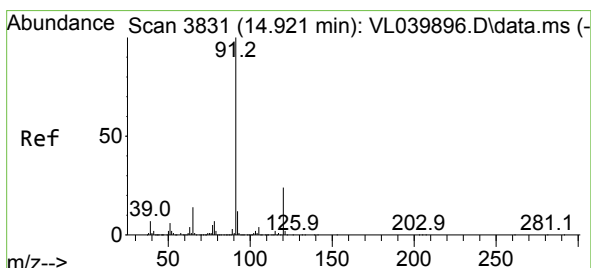
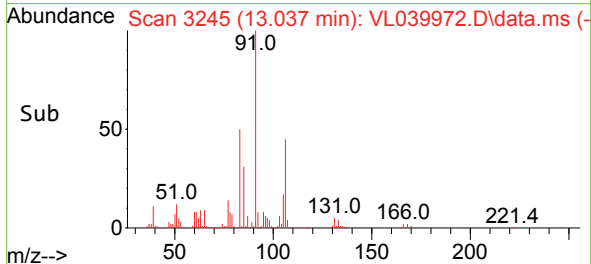
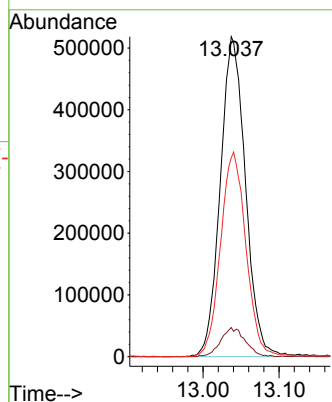
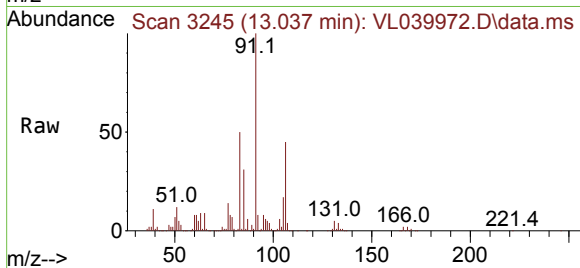




#63
1,1,2,2-Tetrachloroethane
Concen: 10.264 ppbv
RT: 13.037 min Scan# 31
Delta R.T. 0.026 min
Lab File: VL039972.D
Acq: 12 Dec 2022 12:18

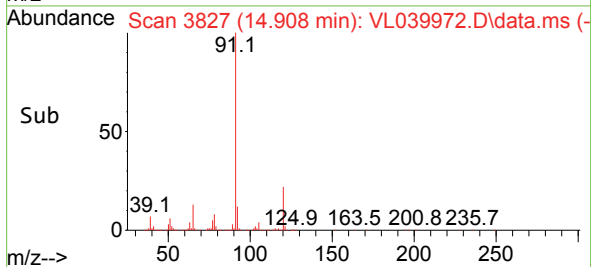
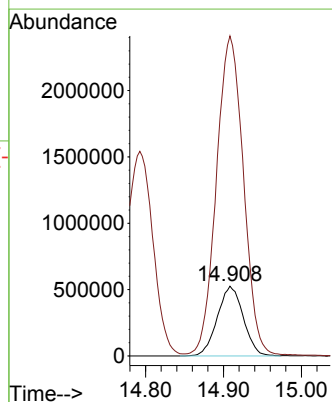
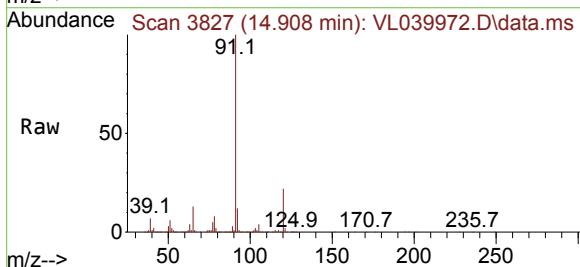
Instrument :
MSVOA_L
ClientSampleId :
VL1212ABS01

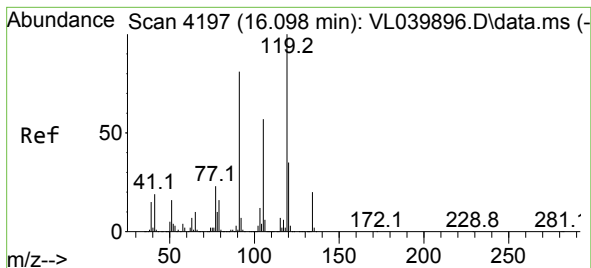
Tgt Ion: 83 Resp: 1186926
Ion Ratio Lower Upper
83 100
131 9.0 4.6 13.8
85 65.1 33.0 99.0



#64
n-propylbenzene
Concen: 9.307 ppbv
RT: 14.908 min Scan# 3827
Delta R.T. 0.029 min
Lab File: VL039972.D
Acq: 12 Dec 2022 12:18

Tgt Ion:120 Resp: 1215891
Ion Ratio Lower Upper
120 100
91 481.2 353.7 530.5

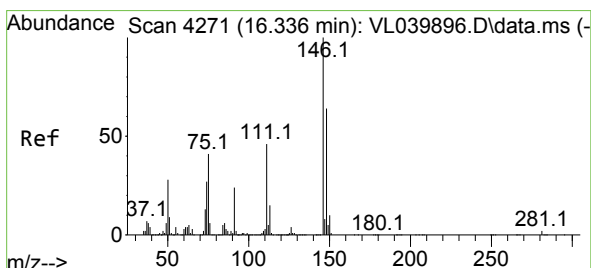
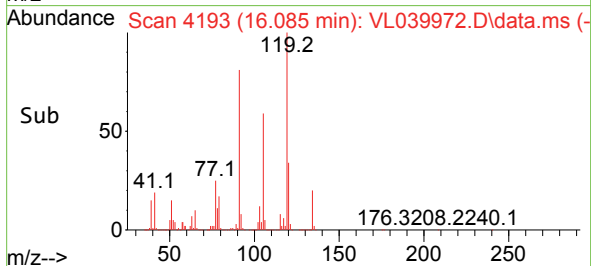
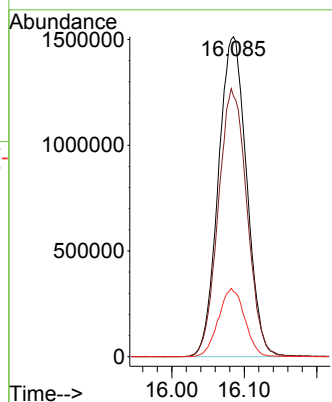
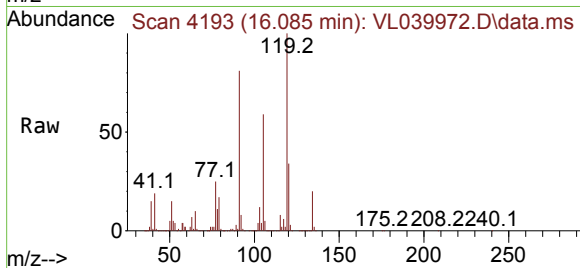




#65
tert-Butylbenzene
Concen: 9.367 ppbv
RT: 16.085 min Scan# 41
Delta R.T. 0.029 min
Lab File: VL039972.D
Acq: 12 Dec 2022 12:18

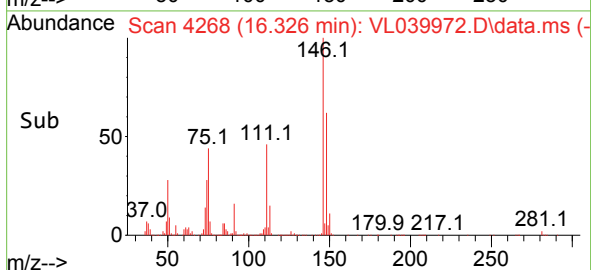
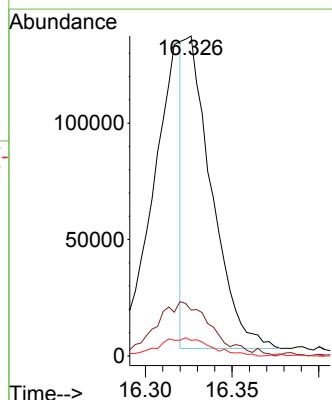
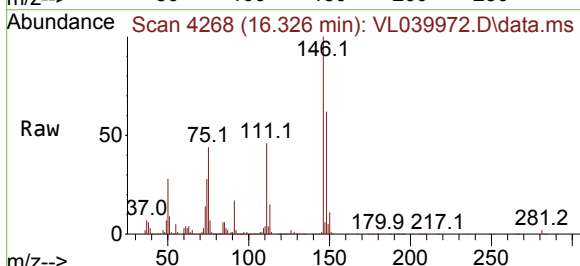
Instrument :
MSVOA_L
ClientSampleId :
VL1212ABS01

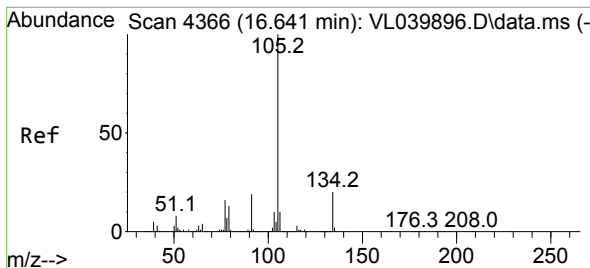
Tgt Ion:119 Resp: 4092294
Ion Ratio Lower Upper
119 100
91 85.1 65.8 98.8
134 19.9 16.1 24.1



#66
Benzyl Chloride
Concen: 4.050 ppbv
RT: 16.326 min Scan# 4268
Delta R.T. 0.032 min
Lab File: VL039972.D
Acq: 12 Dec 2022 12:18

Tgt Ion: 91 Resp: 151640
Ion Ratio Lower Upper
91 100
126 36.2 15.0 22.6#
128 11.5 4.6 7.0#





#67

sec-Butylbenzene

Concen: 9.435 ppbv

RT: 16.629 min Scan# 41

Delta R.T. 0.026 min

Lab File: VL039972.D

Acq: 12 Dec 2022 12:18

Instrument :

MSVOA_L

ClientSampleId :

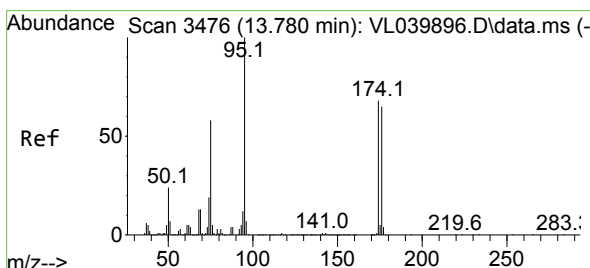
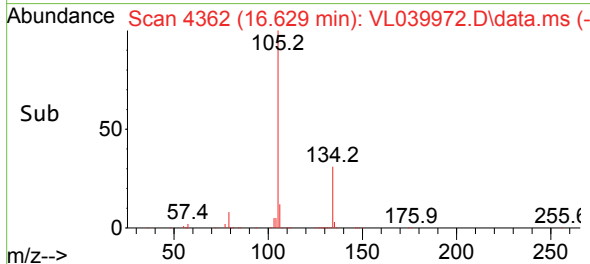
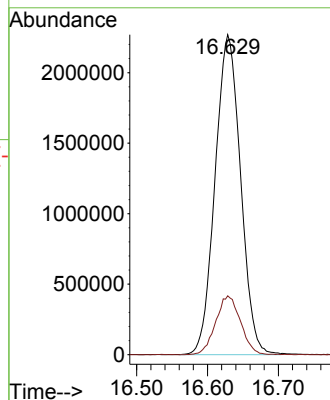
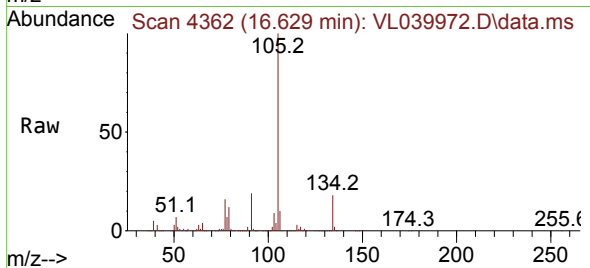
VL1212ABS01

Tgt Ion:105 Resp: 5667639

Ion Ratio Lower Upper

105 100

134 18.0 15.0 22.6



#68

1-Bromo-4-Fluorobenzene

Concen: 10.745 ppbv

RT: 13.767 min Scan# 3472

Delta R.T. 0.026 min

Lab File: VL039972.D

Acq: 12 Dec 2022 12:18

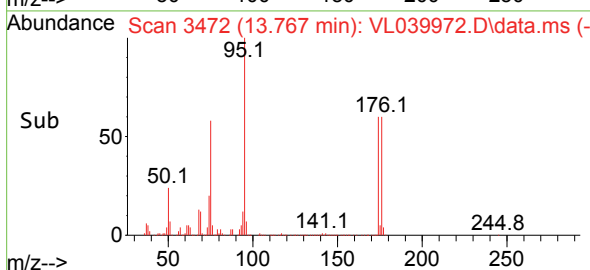
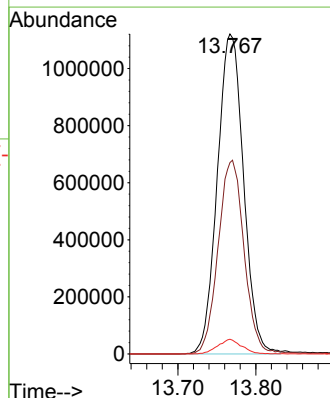
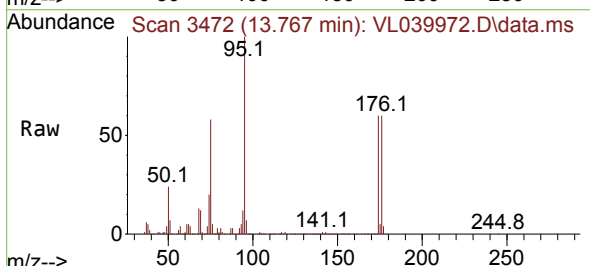
Tgt Ion: 95 Resp: 2624778

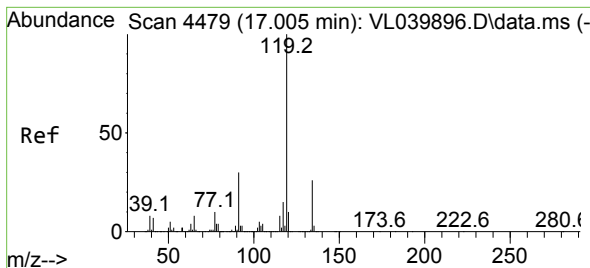
Ion Ratio Lower Upper

95 100

174 60.4 53.7 80.5

175 4.3 4.0 6.0





#69

p-Isopropyltoluene

Concen: 9.229 ppbv

RT: 16.989 min Scan# 4479

Delta R.T. 0.023 min

Lab File: VL039972.D

Acq: 12 Dec 2022 12:18

Instrument :

MSVOA_L

ClientSampleId :

VL1212ABS01

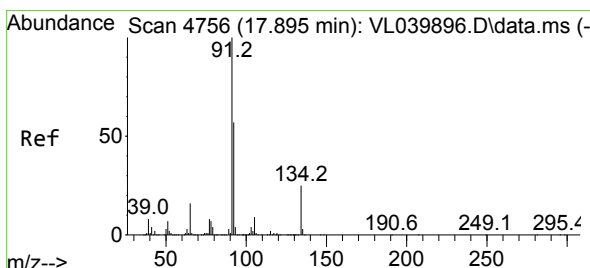
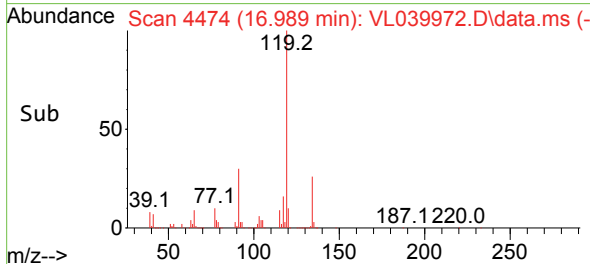
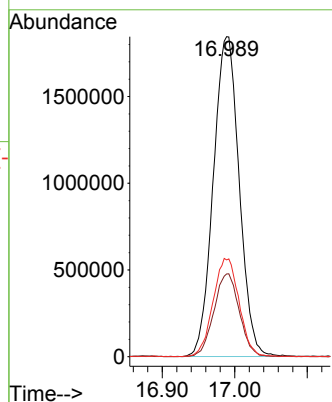
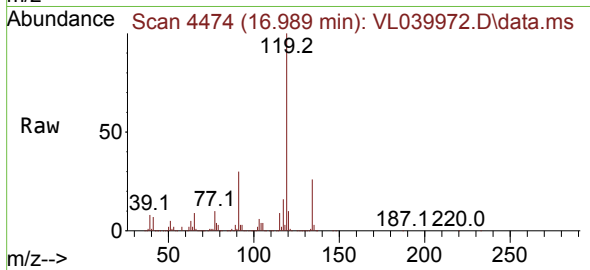
Tgt Ion:119 Resp: 4566552

Ion Ratio Lower Upper

119 100

134 25.5 21.0 31.4

91 31.0 24.4 36.6



#70

n-Butylbenzene

Concen: 9.641 ppbv

RT: 17.879 min Scan# 4751

Delta R.T. 0.023 min

Lab File: VL039972.D

Acq: 12 Dec 2022 12:18

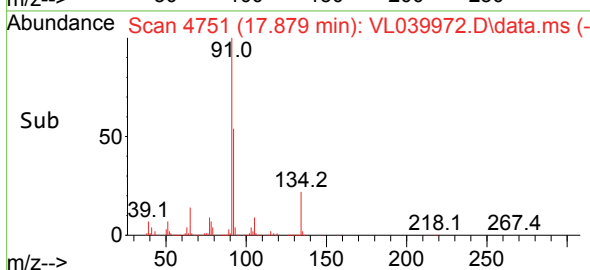
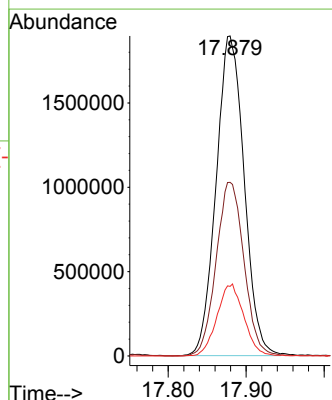
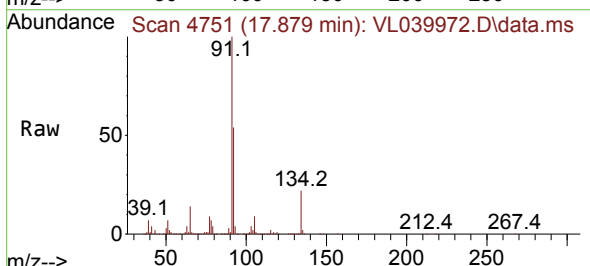
Tgt Ion: 91 Resp: 4729527

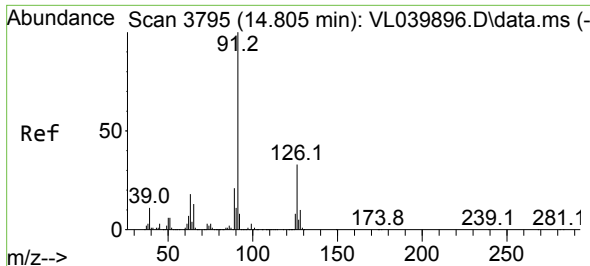
Ion Ratio Lower Upper

91 100

92 54.1 44.2 66.2

134 21.7 18.8 28.2

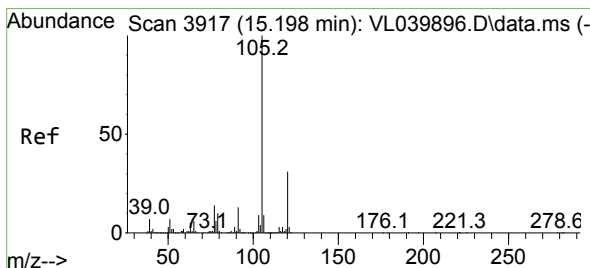
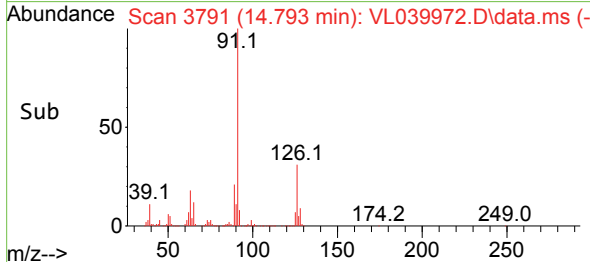
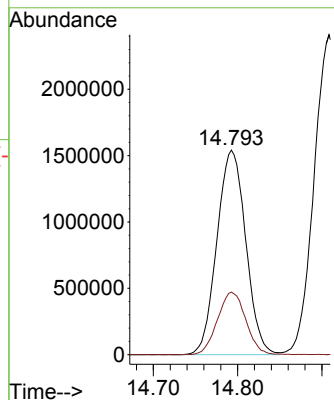
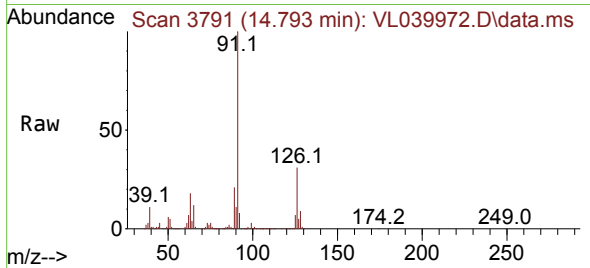




#71
2-Chlorotoluene
Concen: 9.674 ppbv
RT: 14.793 min Scan# 31
Delta R.T. 0.023 min
Lab File: VL039972.D
Acq: 12 Dec 2022 12:18

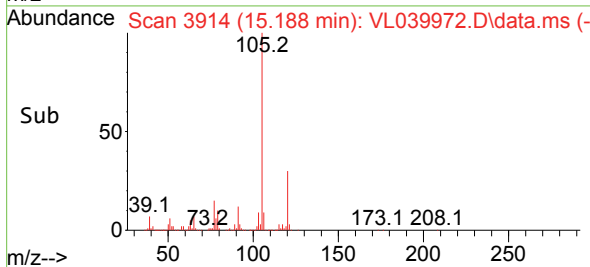
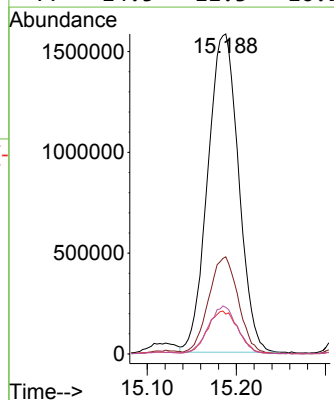
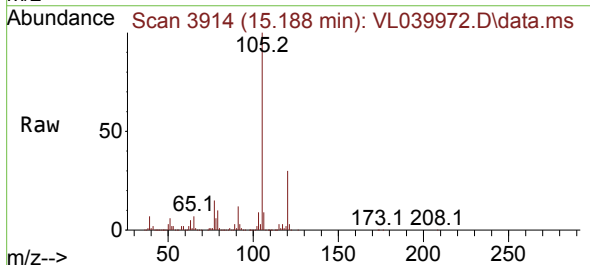
Instrument :
MSVOA_L
ClientSampleId :
VL1212ABS01

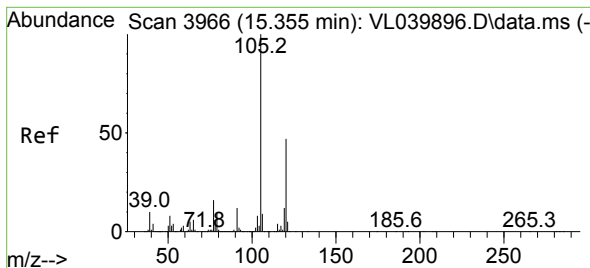
Tgt Ion: 91 Resp: 3661896
Ion Ratio Lower Upper
91 100
126 30.1 12.8 51.0



#72
4-Ethyltoluene
Concen: 9.749 ppbv
RT: 15.188 min Scan# 3914
Delta R.T. 0.026 min
Lab File: VL039972.D
Acq: 12 Dec 2022 12:18

Tgt Ion: 105 Resp: 3795006
Ion Ratio Lower Upper
105 100
120 30.8 24.5 36.7
91 13.5 10.4 15.6
77 14.5 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 9.406 ppbv

RT: 15.346 min Scan# 3966

Delta R.T. 0.026 min

Lab File: VL039972.D

Acq: 12 Dec 2022 12:18

Instrument :

MSVOA_L

ClientSampleId :

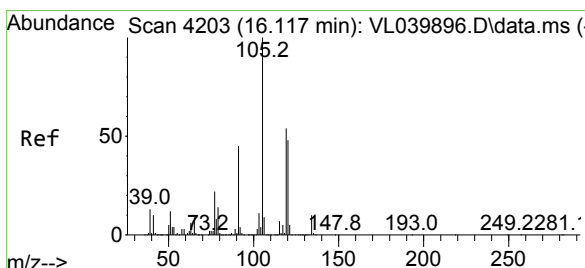
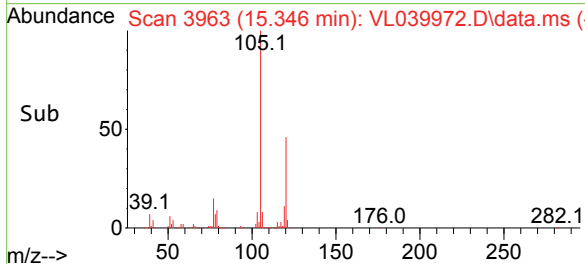
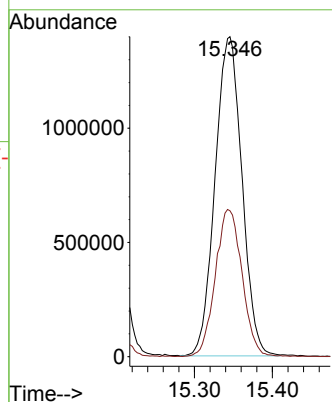
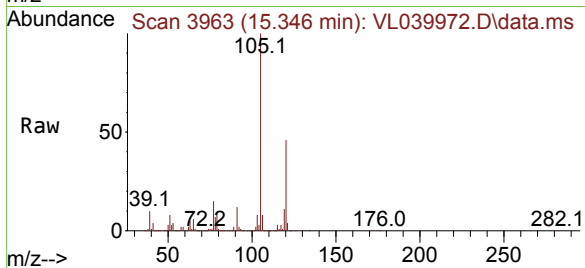
VL1212ABS01

Tgt Ion:105 Resp: 3351790

Ion Ratio Lower Upper

105 100

120 45.6 37.9 56.9



#74

1,2,4-Trimethylbenzene

Concen: 9.478 ppbv

RT: 16.101 min Scan# 4198

Delta R.T. 0.026 min

Lab File: VL039972.D

Acq: 12 Dec 2022 12:18

Tgt Ion:105 Resp: 3575513

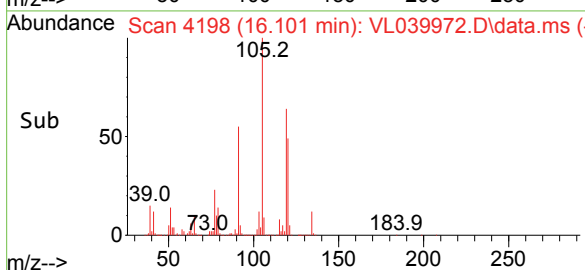
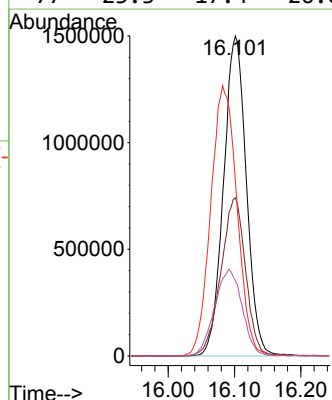
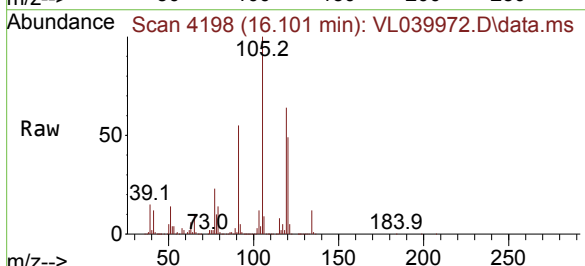
Ion Ratio Lower Upper

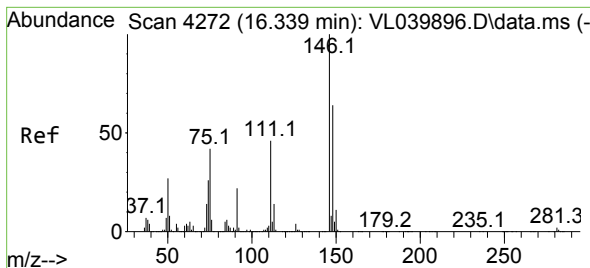
105 100

120 49.4 38.7 58.1

91 54.5 36.4 54.6

77 23.3 17.4 26.0





#75

1,3-Dichlorobenzene

Concen: 9.209 ppbv

RT: 16.323 min Scan# 4311

Delta R.T. 0.023 min

Lab File: VL039972.D

Acq: 12 Dec 2022 12:18

Instrument :

MSVOA_L

ClientSampleId :

VL1212ABS01

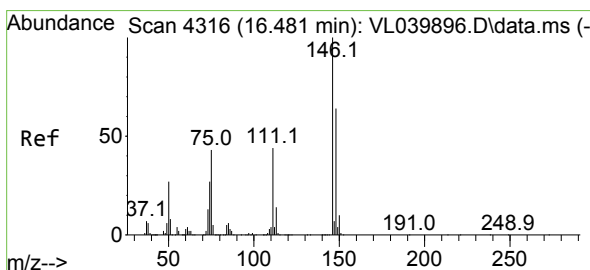
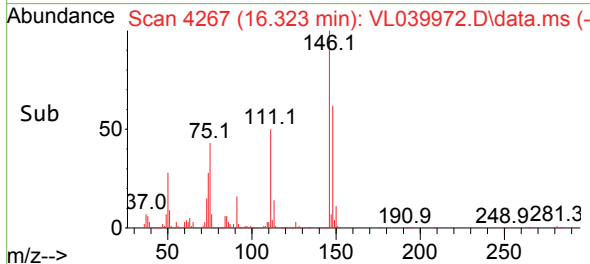
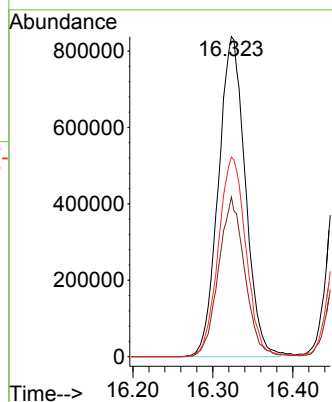
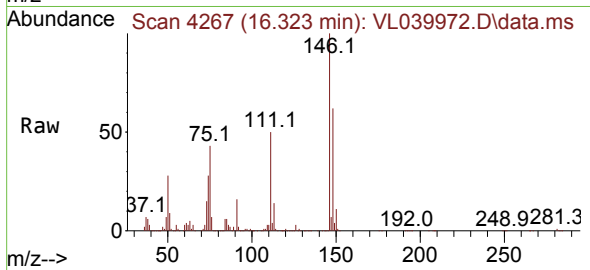
Tgt Ion:146 Resp: 1954592

Ion Ratio Lower Upper

146 100

111 48.7 23.3 69.9

148 64.1 32.2 96.6



#76

1,4-Dichlorobenzene

Concen: 8.981 ppbv

RT: 16.465 min Scan# 4311

Delta R.T. 0.026 min

Lab File: VL039972.D

Acq: 12 Dec 2022 12:18

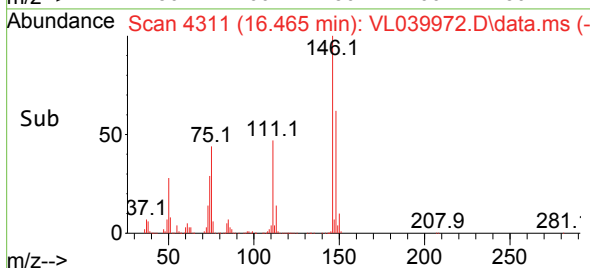
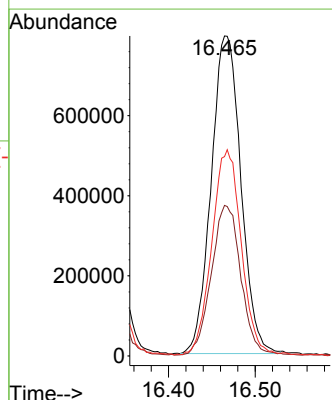
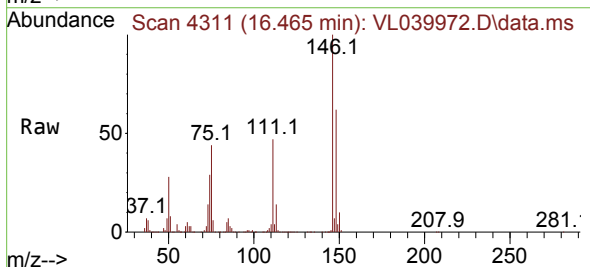
Tgt Ion:146 Resp: 1889796

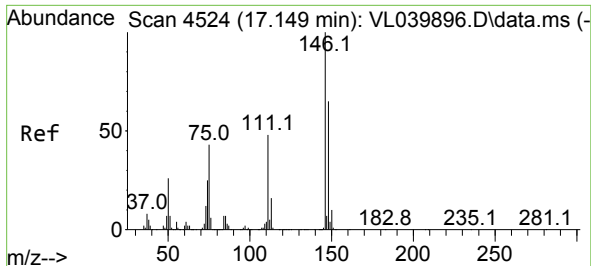
Ion Ratio Lower Upper

146 100

111 47.8 22.4 67.3

148 64.1 32.3 96.9

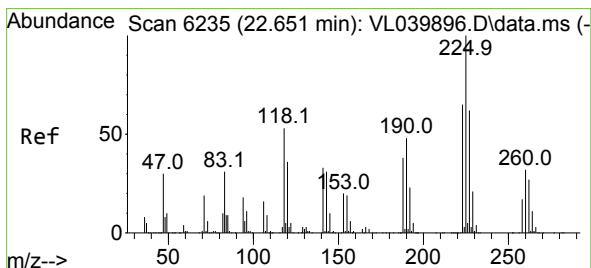
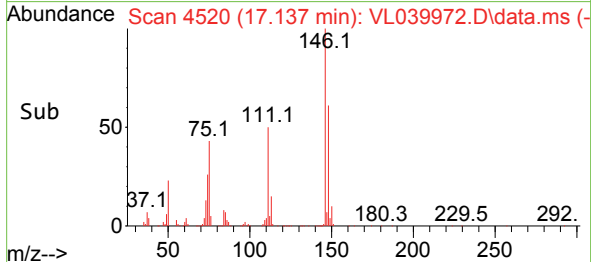
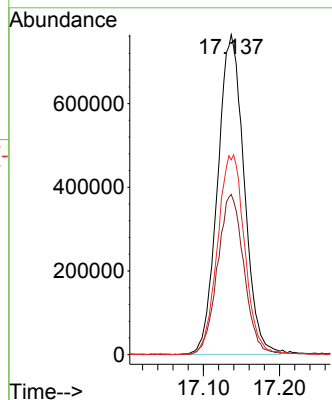
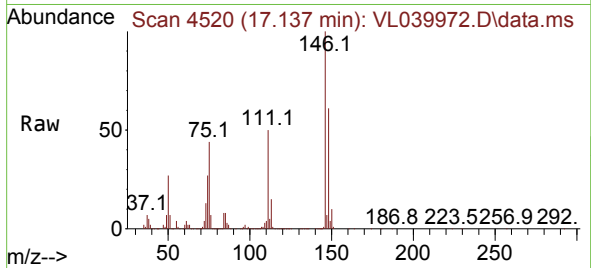




#77
1,2-Dichlorobenzene
Concen: 9.002 ppbv
RT: 17.137 min Scan# 41
Delta R.T. 0.026 min
Lab File: VL039972.D
Acq: 12 Dec 2022 12:18

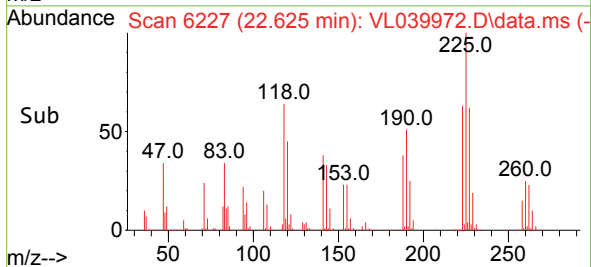
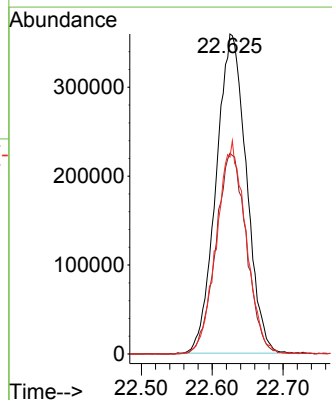
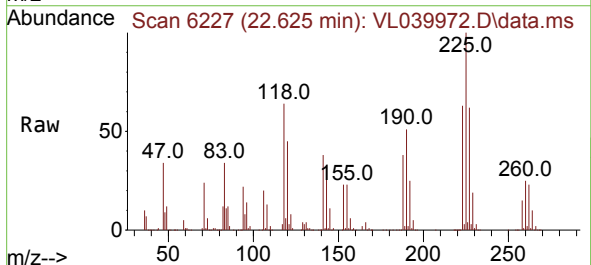
Instrument :
MSVOA_L
ClientSampleId :
VL1212ABS01

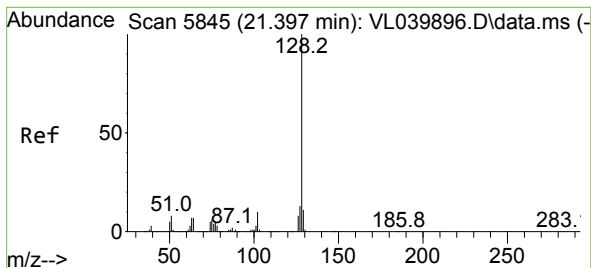
Tgt Ion:146 Resp: 1842210
Ion Ratio Lower Upper
146 100
111 50.6 24.1 72.3
148 64.5 32.4 97.2



#78
Hexachloro-1,3-Butadiene
Concen: 7.502 ppbv
RT: 22.625 min Scan# 6227
Delta R.T. 0.026 min
Lab File: VL039972.D
Acq: 12 Dec 2022 12:18

Tgt Ion:225 Resp: 1065234
Ion Ratio Lower Upper
225 100
223 63.7 50.7 76.1
227 64.8 50.8 76.2





#79

Naphthalene

Concen: 9.134 ppbv

RT: 21.378 min Scan# 5839

Delta R.T. 0.029 min

Lab File: VL039972.D

Acq: 12 Dec 2022 12:18

Instrument :

MSVOA_L

ClientSampleId :

VL1212ABS01

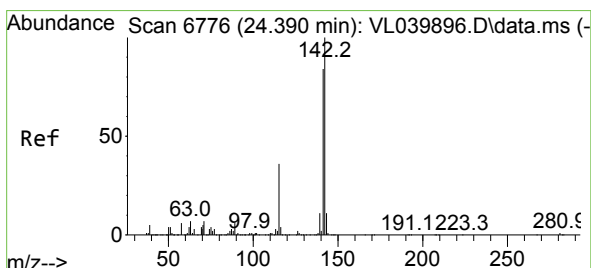
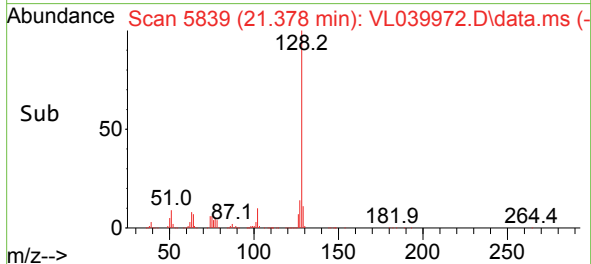
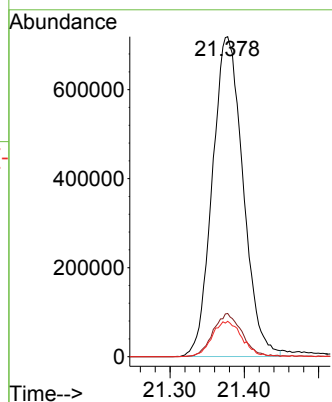
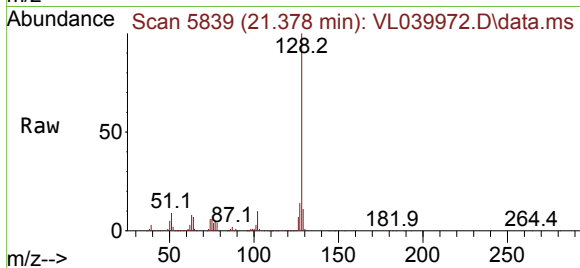
Tgt Ion:128 Resp: 2062291

Ion Ratio Lower Upper

128 100

127 13.5 10.0 15.0

129 11.1 8.8 13.2



#80

Naphthalene,2-methyl-

Concen: 8.450 ppbv

RT: 24.368 min Scan# 6769

Delta R.T. 0.019 min

Lab File: VL039972.D

Acq: 12 Dec 2022 12:18

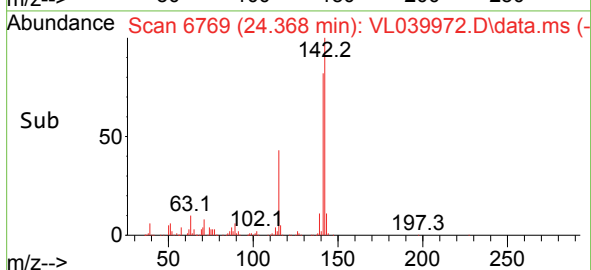
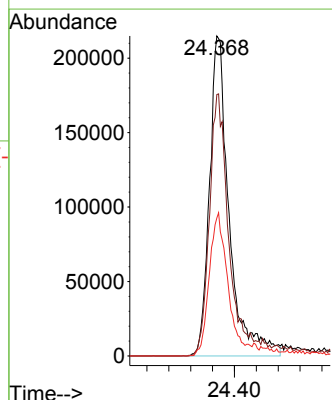
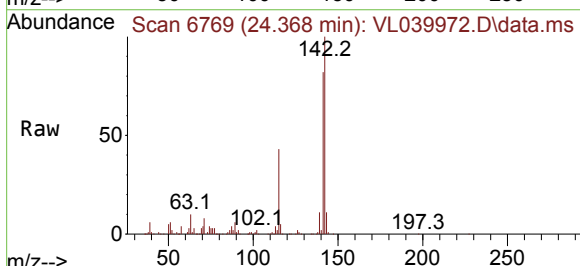
Tgt Ion:142 Resp: 536598

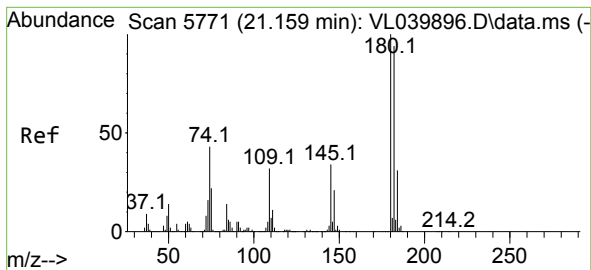
Ion Ratio Lower Upper

142 100

141 86.4 69.1 103.7

115 46.1 29.6 44.4#





#81
 1,2,4-Trichlorobenzene
 Concen: 8.437 ppbv
 RT: 21.136 min Scan# 51
 Delta R.T. 0.029 min
 Lab File: VL039972.D
 Acq: 12 Dec 2022 12:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1212ABS01

Tgt Ion:180 Resp: 1176439

Ion	Ratio	Lower	Upper
180	100		
182	95.3	77.0	115.6
184	30.5	25.2	37.8

