

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060424\
 Data File : VL041299.D
 Acq On : 4 Jun 2024 9:52
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Quant Time: Jun 05 04:12:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 24 23:11:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.201	49	989041	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2646176	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2589868	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	1940680	9.926	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.758	85	325747	2.435	ppbv	98
3) Chlorodifluoromethane	2.703	51	338362	2.253	ppbv	97
4) Chloromethane	2.845	50	126289	2.143	ppbv #	85
5) Vinyl Chloride	2.947	62	125616	2.121	ppbv	100
6) Bromomethane	3.144	94	44217	2.047	ppbv	100
7) Chloroethane	3.221	64	44002	2.105	ppbv	97
8) Dichlorotetrafluoroethane	2.883	85	310961	2.246	ppbv	96
9) Propene	2.722	41	120006	2.041	ppbv	99
10) Heptane	7.581	43	286269	2.010	ppbv	98
11) Trichlorofluoromethane	3.584	101	302549	2.225	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.086	101	216822	2.156	ppbv	99
13) Ethanol	3.272	45	34145	2.591	ppbv	95
14) Bromoethene	3.391	108	87247	2.103	ppbv	94
15) Acetone	3.494	43	249399	2.137	ppbv	98
16) 1,3-Butadiene	2.989	39	11689	0.198	ppbv #	10
17) tert-Butyl alcohol	3.896	59	215024	1.708	ppbv	99
18) 1,1-Dichloroethene	3.896	96	93014	2.075	ppbv	99
19) Isopropyl Alcohol	3.597	45	148489	1.939	ppbv #	70
20) Methylene Chloride	3.954	84	87232	2.149	ppbv	98
21) Allyl Chloride	4.015	41	153150	2.012	ppbv	96
22) trans-1,2-Dichloroethene	4.462	96	98831	2.120	ppbv	92
23) Vinyl Acetate	4.642	43	244713	1.904	ppbv	97
24) 1,1-Dichloroethane	4.574	63	217408	2.175	ppbv	99
25) Ethyl Acetate	5.218	43	487123	2.091	ppbv	99
26) Hexane	5.227	57	214645	2.064	ppbv	97
27) Carbon Disulfide	4.140	76	235426	1.913	ppbv #	88
28) Methyl tert-Butyl Ether	4.600	73	160648	1.941	ppbv	98
29) Chloroform	5.282	83	334008	2.329	ppbv	98
30) Cyclohexane	6.607	84	178097	2.164	ppbv	93
31) cis-1,2-Dichloroethene	5.089	61	200170	2.057	ppbv	100
32) 1,1,1-Trichloroethane	6.008	97	317486	2.218	ppbv	96
34) 2-Butanone	4.800	43	272260	2.021	ppbv	100
35) Carbon Tetrachloride	6.500	117	330834	2.228	ppbv	99
36) Benzene	6.378	78	451133	2.032	ppbv	98
37) 1,2-Dichloroethane	5.816	62	257543	2.223	ppbv	100
38) Trichloroethene	7.295	130	171958	2.078	ppbv	96
39) 1,2-Dichloropropane	7.082	63	64978	0.759	ppbv	95
40) 1,4-Dioxane	7.301	88	39185	1.282	ppbv #	1
41) Tetrahydrofuran	5.571	42	179858	1.845	ppbv	99
42) Bromodichloromethane	7.250	83	364191	2.192	ppbv	95
43) Methyl Methacrylate	7.481	69	169741	1.890	ppbv	97
44) 2,2,4-Trimethylpentane	7.327	57	765169	1.998	ppbv	100
45) t-1,3-Dichloropropene	8.713	75	57114	0.878	ppbv	91

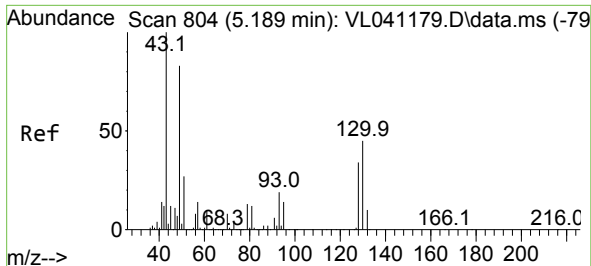
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060424\
 Data File : VL041299.D
 Acq On : 4 Jun 2024 9:52
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Quant Time: Jun 05 04:12:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 24 23:11:50 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	143330	1.799	ppbv	96
47) 1,1,2-Trichloroethane	8.896	97	182770	2.134	ppbv	97
48) Dibromochloromethane	9.709	129	301441	2.209	ppbv	99
49) Bromoform	12.404	173	248528	2.141	ppbv	99
50) 4-Methyl-2-Pentanone	8.185	43	455025	1.883	ppbv	100
51) 2-Hexanone	9.555	43	319389	1.781	ppbv #	98
52) Tetrachloroethene	10.616	164	156010	1.999	ppbv	94
53) Toluene	9.221	91	512726	1.991	ppbv	98
54) 1,2-Dibromoethane	10.008	107	245326	2.115	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.503	131	225920	2.151	ppbv #	1
57) Chlorobenzene	11.523	112	401917	2.119	ppbv	97
58) Ethyl Benzene	12.085	91	724448	2.040	ppbv	98
59) m/p-Xylene	12.365	91	219087	0.734	ppbv #	31
60) o-Xylene	13.056	91	590989	2.112	ppbv	99
61) Styrene	12.889	104	137834	0.933	ppbv #	27
62) Isopropylbenzene	14.024	105	898675	2.147	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.040	83	413588	2.169	ppbv	99
64) n-propylbenzene	14.912	120	230160	2.205	ppbv	98
65) tert-Butylbenzene	16.085	119	808022	2.156	ppbv	99
66) Benzyl Chloride	16.320	91	18545	0.437	ppbv #	64
67) sec-Butylbenzene	16.632	105	1143855	2.168	ppbv	99
69) p-Isopropyltoluene	16.986	119	943903	2.171	ppbv	100
70) n-Butylbenzene	17.883	91	993263	2.187	ppbv	99
71) 2-Chlorotoluene	14.796	91	681241	2.138	ppbv	99
72) 4-Ethyltoluene	15.191	105	688843	2.174	ppbv	98
73) 1,3,5-Trimethylbenzene	15.342	105	614380	2.143	ppbv	98
74) 1,2,4-Trimethylbenzene	16.101	105	679045	2.168	ppbv	97
75) 1,3-Dichlorobenzene	16.326	146	393551	2.192	ppbv	98
76) 1,4-Dichlorobenzene	16.468	146	385424	2.232	ppbv	98
77) 1,2-Dichlorobenzene	17.137	146	392810	2.188	ppbv	99
78) Hexachloro-1,3-Butadiene	22.619	225	148991	0.934	ppbv #	1
79) Naphthalene	21.381	128	684977	2.297	ppbv	97
80) Naphthalene,2-methyl-	24.368	142	222016	1.851	ppbv	97
81) 1,2,4-Trichlorobenzene	21.140	180	337204	2.142	ppbv	99

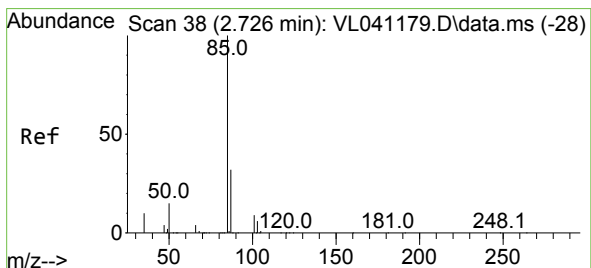
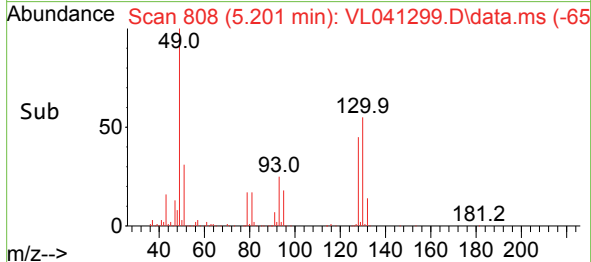
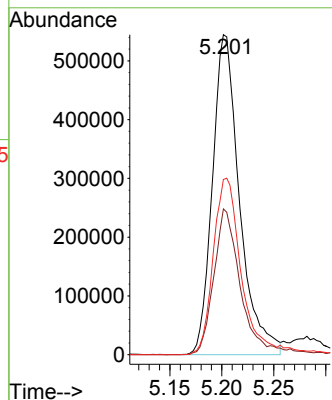
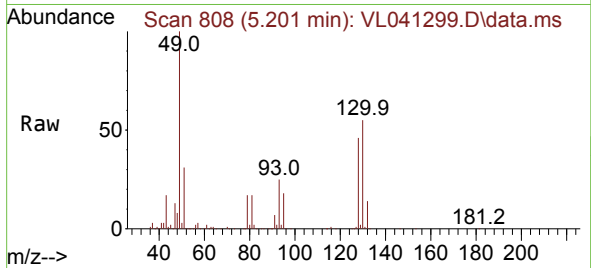
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.201 min Scan# 80
 Delta R.T. -0.004 min
 Lab File: VL041299.D
 Acq: 4 Jun 2024 9:52

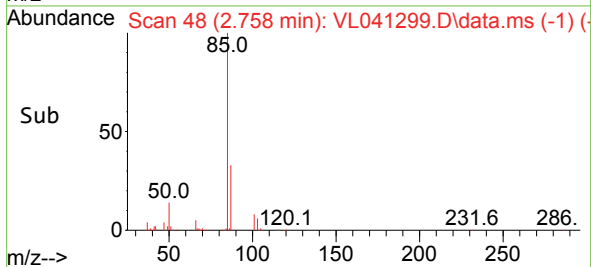
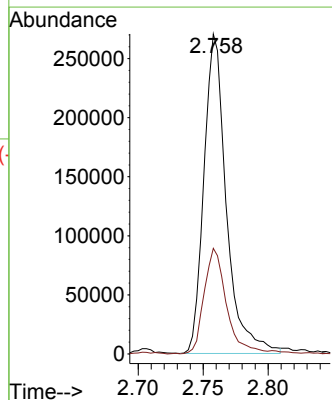
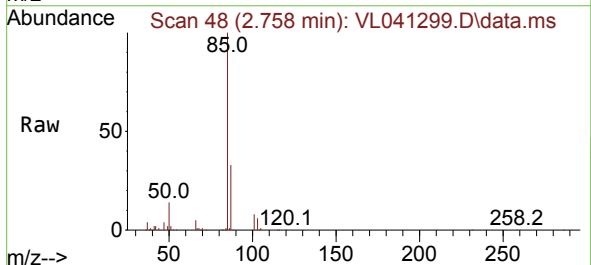
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

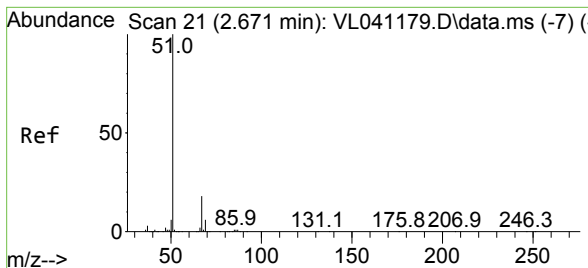
Tgt Ion: 49 Resp: 989041
 Ion Ratio Lower Upper
 49 100
 128 46.1 21.5 64.5
 130 58.4 27.2 81.6



#2
 Dichlorodifluoromethane
 Concen: 2.435 ppbv
 RT: 2.758 min Scan# 48
 Delta R.T. 0.013 min
 Lab File: VL041299.D
 Acq: 4 Jun 2024 9:52

Tgt Ion: 85 Resp: 325747
 Ion Ratio Lower Upper
 85 100
 87 33.0 25.7 38.5





#3

Chlorodifluoromethane

Concen: 2.253 ppbv

RT: 2.703 min Scan# 31

Delta R.T. 0.013 min

Lab File: VL041299.D

Acq: 4 Jun 2024 9:52

Instrument :

MSVOA_L

ClientSampleId :

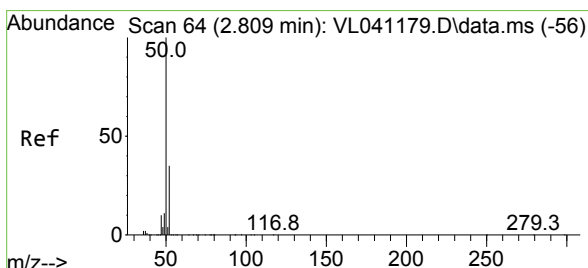
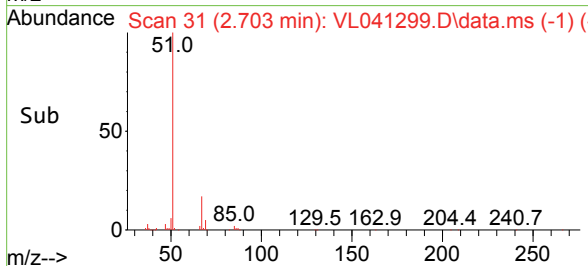
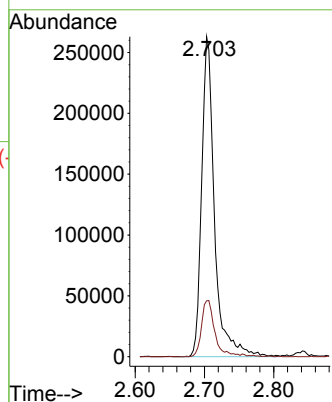
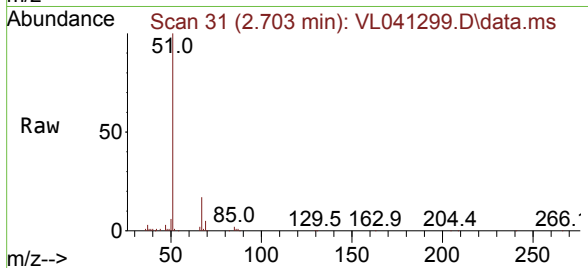
VSTDICC002

Tgt Ion: 51 Resp: 338362

Ion Ratio Lower Upper

51 100

67 18.7 14.0 21.0



#4

Chloromethane

Concen: 2.143 ppbv

RT: 2.845 min Scan# 75

Delta R.T. 0.016 min

Lab File: VL041299.D

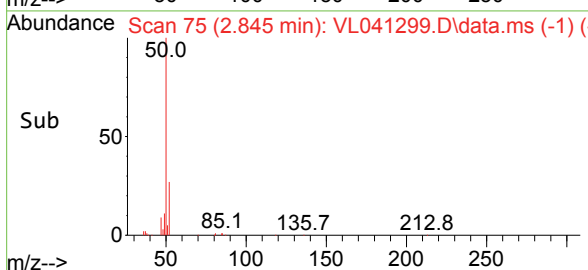
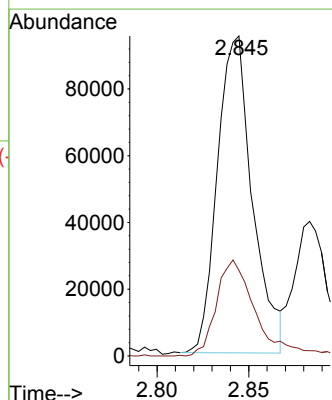
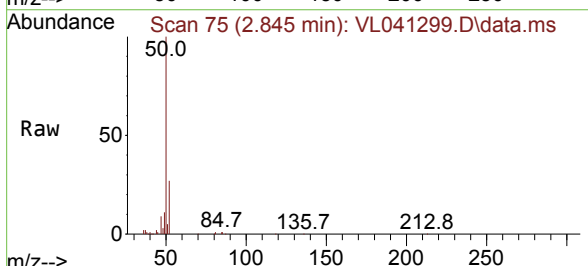
Acq: 4 Jun 2024 9:52

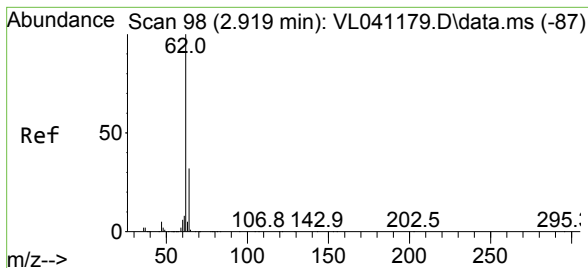
Tgt Ion: 50 Resp: 126289

Ion Ratio Lower Upper

50 100

52 26.8 28.3 42.5#

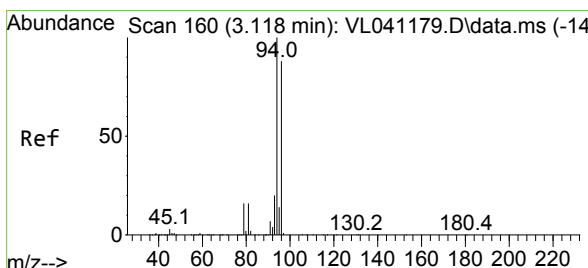
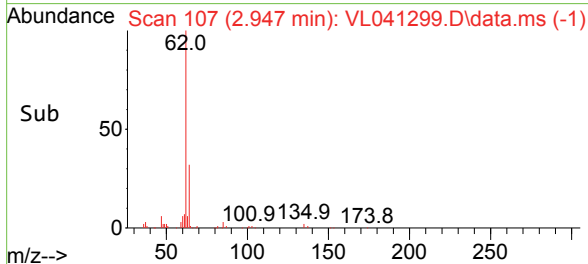
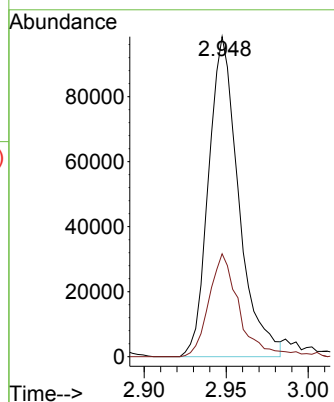
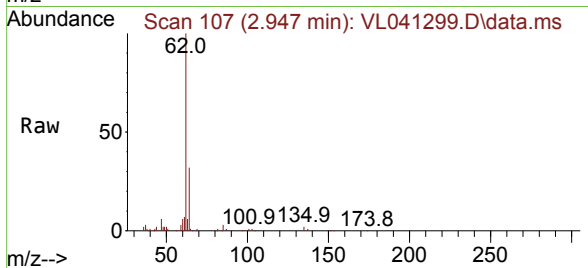




#5
 Vinyl Chloride
 Concen: 2.121 ppbv
 RT: 2.947 min Scan# 107
 Delta R.T. 0.013 min
 Lab File: VL041299.D
 Acq: 4 Jun 2024 9:52

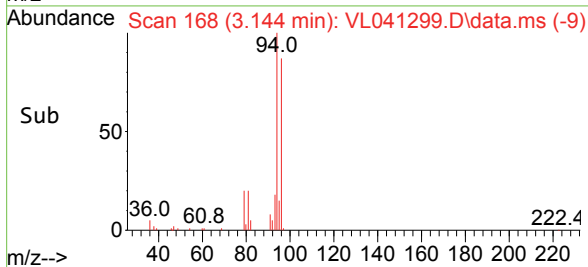
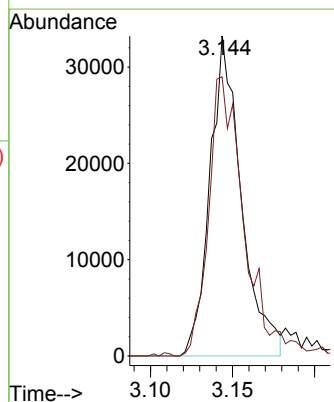
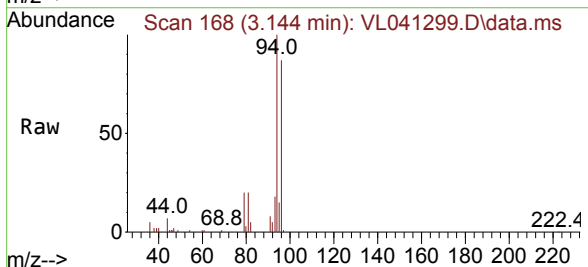
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

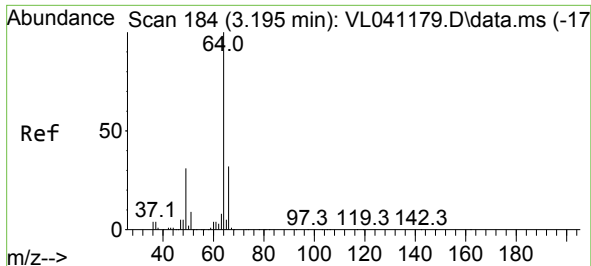
Tgt Ion: 62 Resp: 125616
 Ion Ratio Lower Upper
 62 100
 64 32.2 25.7 38.5



#6
 Bromomethane
 Concen: 2.047 ppbv
 RT: 3.144 min Scan# 168
 Delta R.T. 0.010 min
 Lab File: VL041299.D
 Acq: 4 Jun 2024 9:52

Tgt Ion: 94 Resp: 44217
 Ion Ratio Lower Upper
 94 100
 96 87.2 70.1 105.1

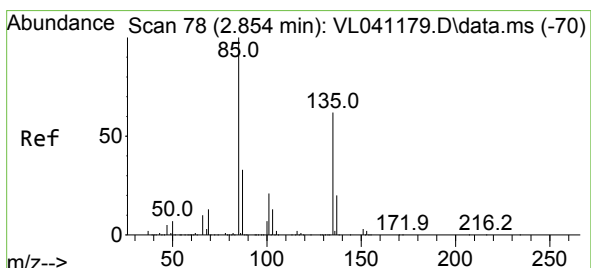
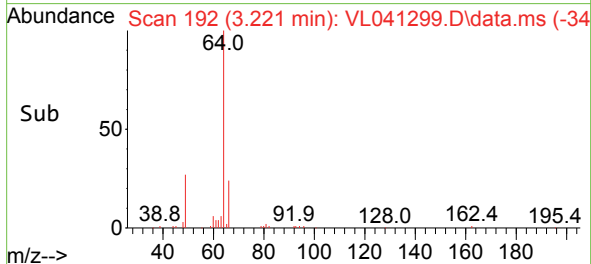
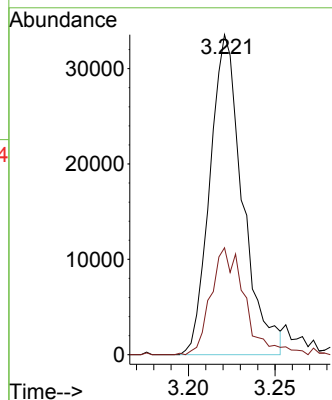
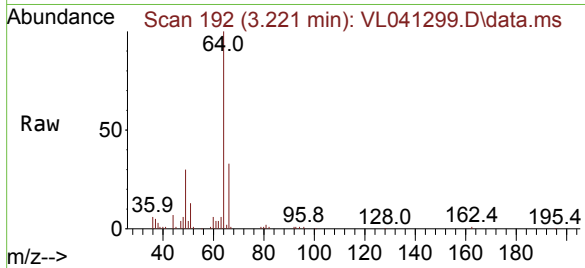




#7
Chloroethane
Concen: 2.105 ppbv
RT: 3.221 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL041299.D
Acq: 4 Jun 2024 9:52

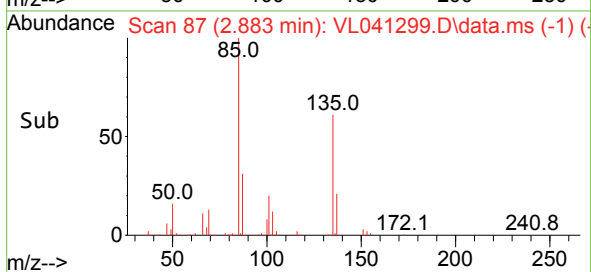
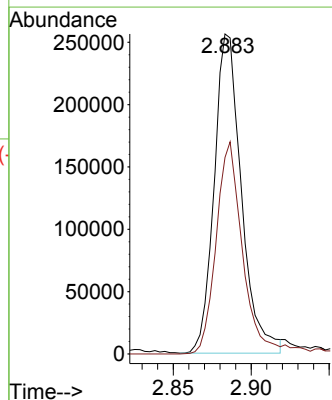
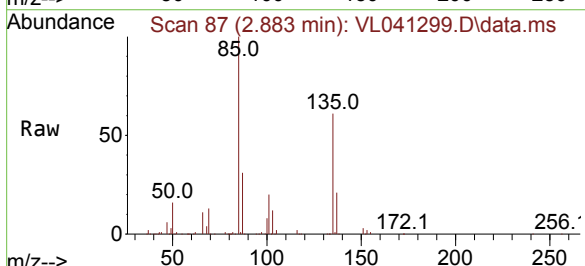
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

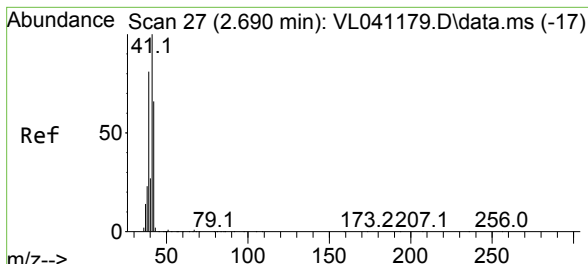
Tgt Ion: 64 Resp: 44002
Ion Ratio Lower Upper
64 100
66 33.4 25.4 38.2



#8
Dichlorotetrafluoroethane
Concen: 2.246 ppbv
RT: 2.883 min Scan# 87
Delta R.T. 0.010 min
Lab File: VL041299.D
Acq: 4 Jun 2024 9:52

Tgt Ion: 85 Resp: 310961
Ion Ratio Lower Upper
85 100
135 67.2 51.5 77.3

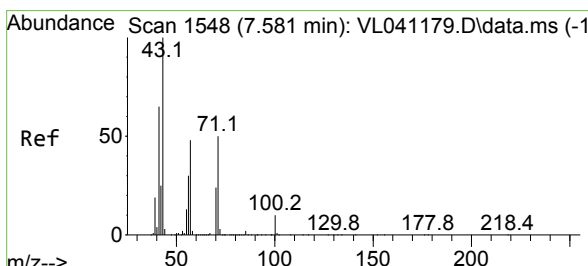
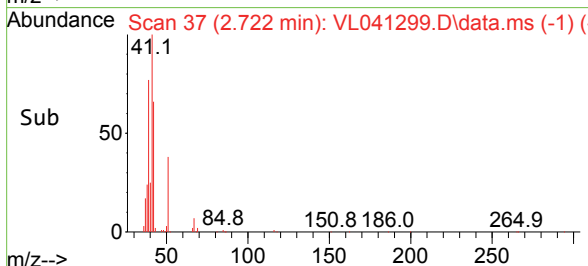
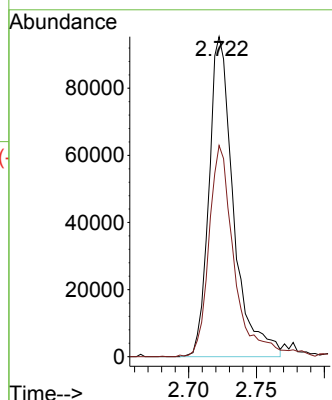
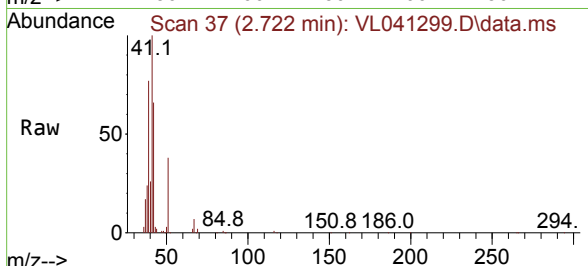




#9
 Propene
 Concen: 2.041 ppbv
 RT: 2.722 min Scan# 31
 Delta R.T. 0.013 min
 Lab File: VL041299.D
 Acq: 4 Jun 2024 9:52

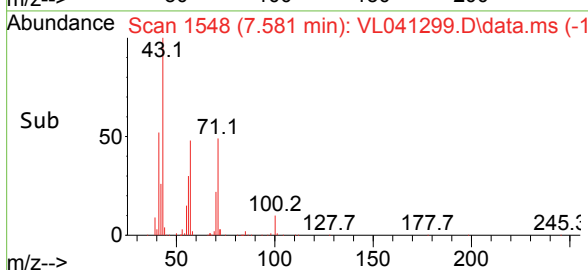
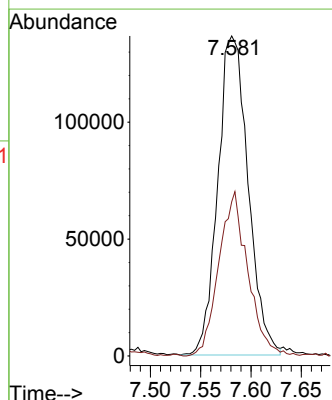
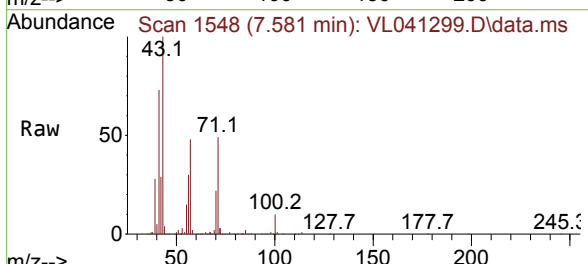
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

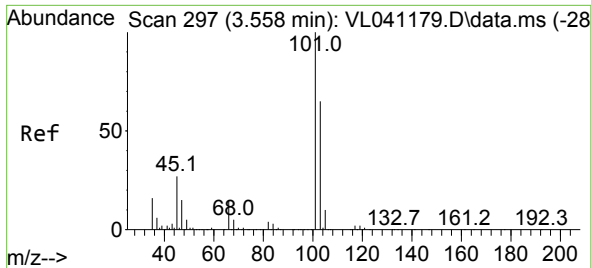
Tgt Ion: 41 Resp: 120006
 Ion Ratio Lower Upper
 41 100
 42 69.7 55.3 82.9



#10
 Heptane
 Concen: 2.010 ppbv
 RT: 7.581 min Scan# 1548
 Delta R.T. -0.016 min
 Lab File: VL041299.D
 Acq: 4 Jun 2024 9:52

Tgt Ion: 43 Resp: 286269
 Ion Ratio Lower Upper
 43 100
 57 50.0 38.7 58.1

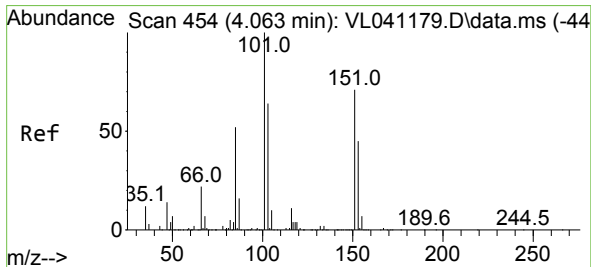
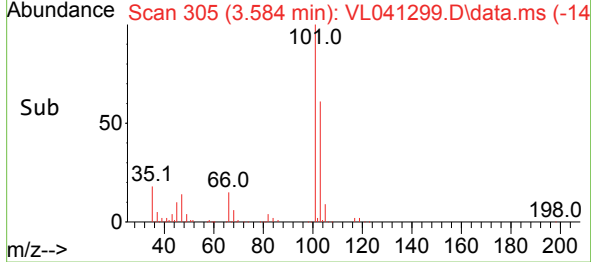
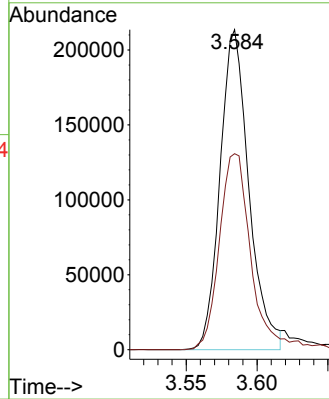
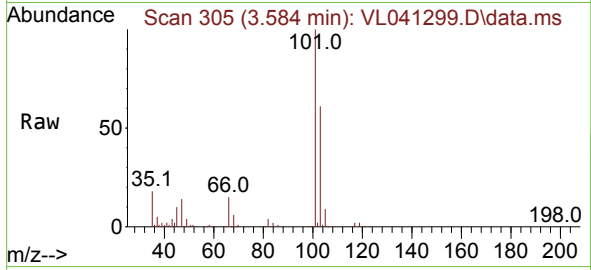




#11
 Trichlorofluoromethane
 Concen: 2.225 ppbv
 RT: 3.584 min Scan# 305
 Delta R.T. 0.006 min
 Lab File: VL041299.D
 Acq: 4 Jun 2024 9:52

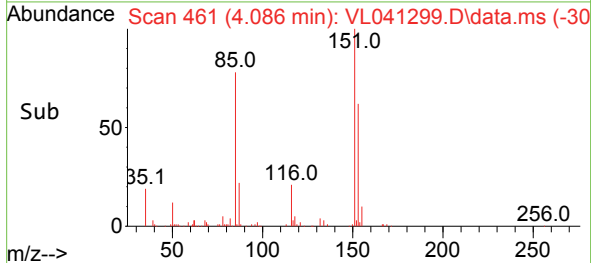
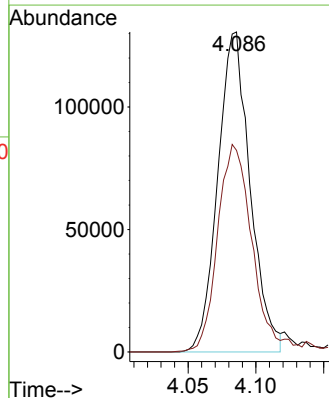
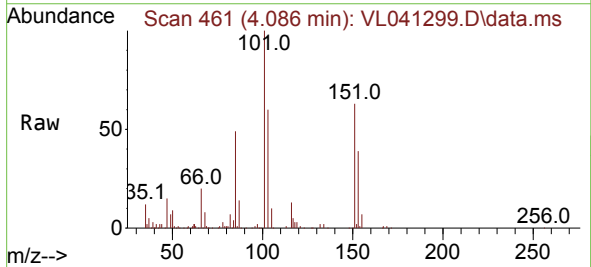
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

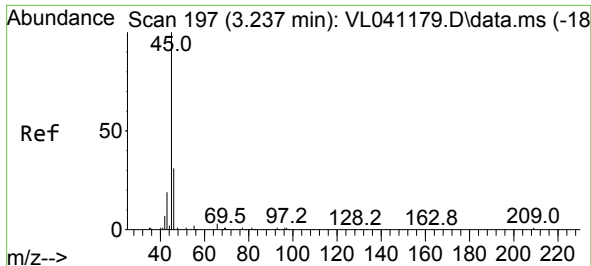
Tgt Ion:101 Resp: 302549
 Ion Ratio Lower Upper
 101 100
 103 61.3 51.6 77.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.156 ppbv
 RT: 4.086 min Scan# 461
 Delta R.T. 0.006 min
 Lab File: VL041299.D
 Acq: 4 Jun 2024 9:52

Tgt Ion:101 Resp: 216822
 Ion Ratio Lower Upper
 101 100
 151 71.5 56.8 85.2

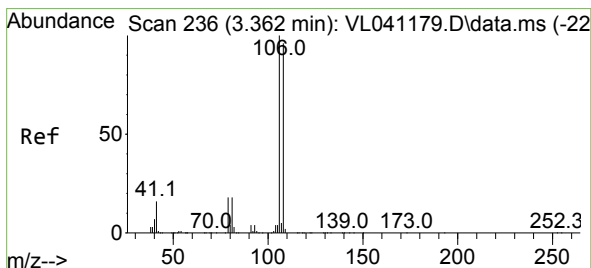
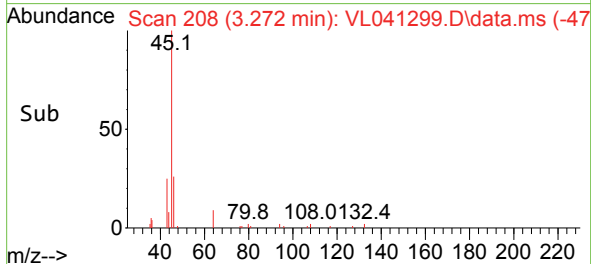
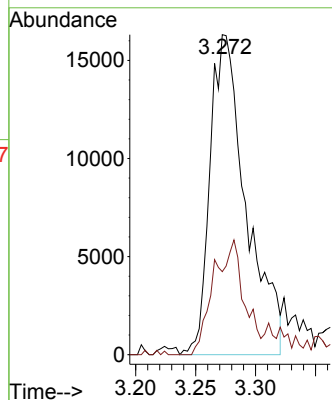
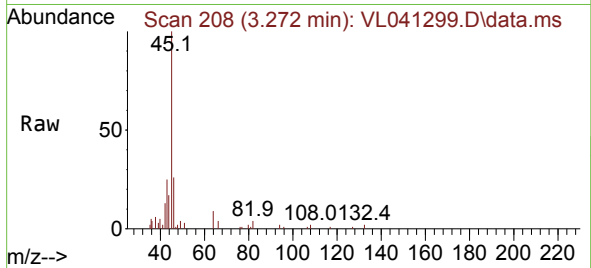




#13
Ethanol
Concen: 2.591 ppbv
RT: 3.272 min Scan# 208
Delta R.T. 0.016 min
Lab File: VL041299.D
Acq: 4 Jun 2024 9:52

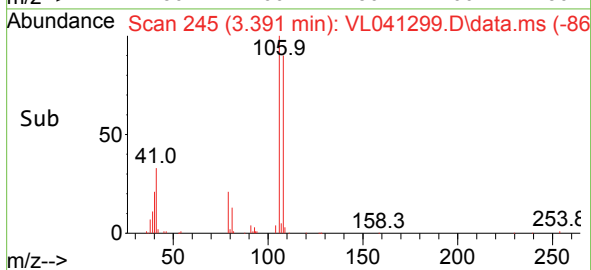
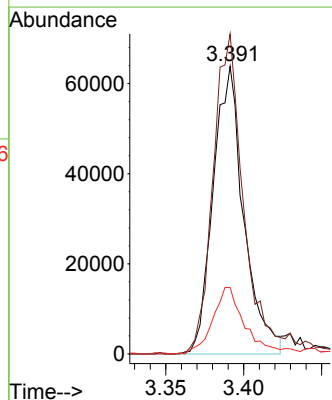
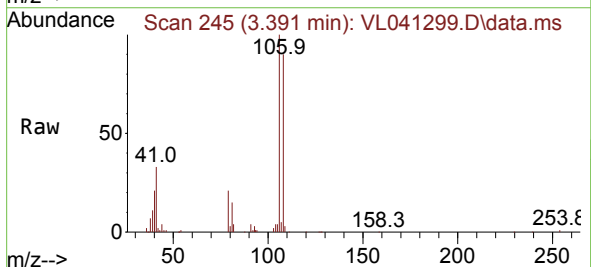
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

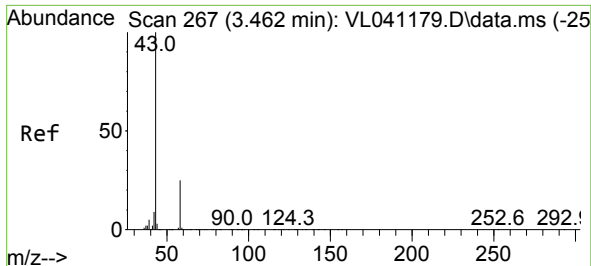
Tgt Ion: 45 Resp: 34145
Ion Ratio Lower Upper
45 100
46 39.9 14.8 59.0



#14
Bromoethene
Concen: 2.103 ppbv
RT: 3.391 min Scan# 245
Delta R.T. 0.010 min
Lab File: VL041299.D
Acq: 4 Jun 2024 9:52

Tgt Ion: 108 Resp: 87247
Ion Ratio Lower Upper
108 100
106 116.0 88.2 132.4
79 25.5 17.4 26.0

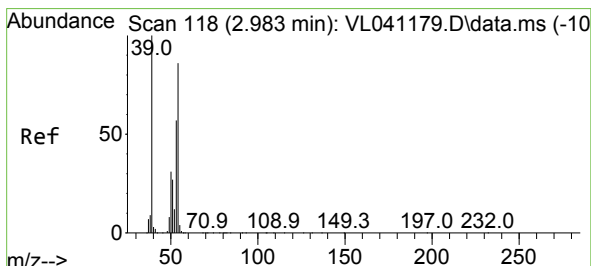
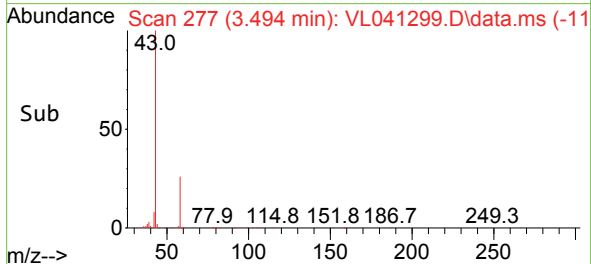
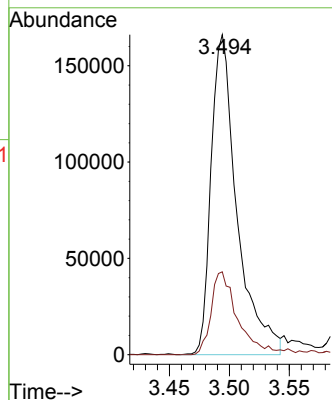
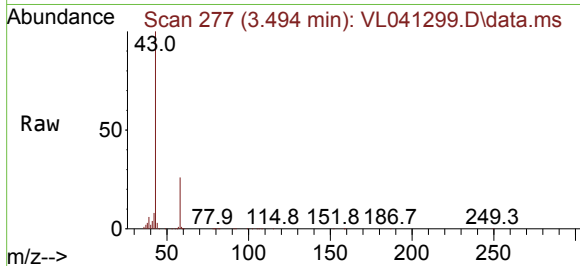




#15
Acetone
Concen: 2.137 ppbv
RT: 3.494 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL041299.D
Acq: 4 Jun 2024 9:52

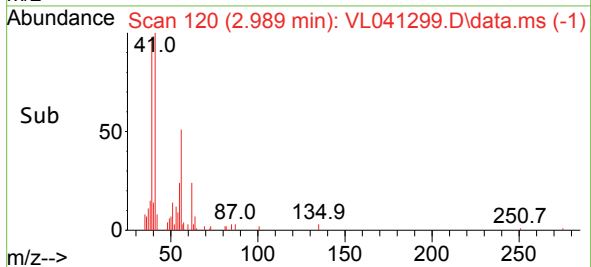
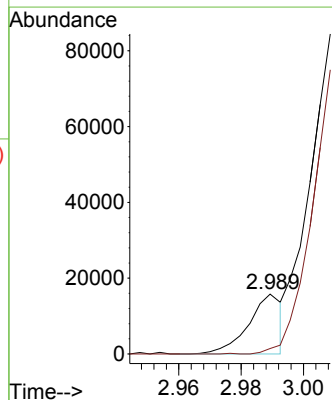
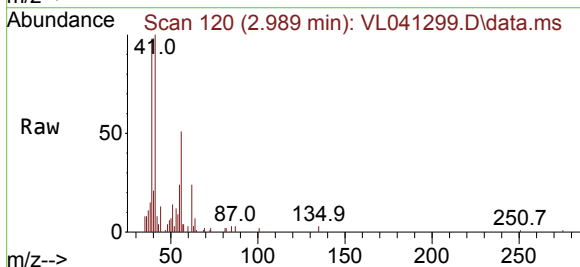
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

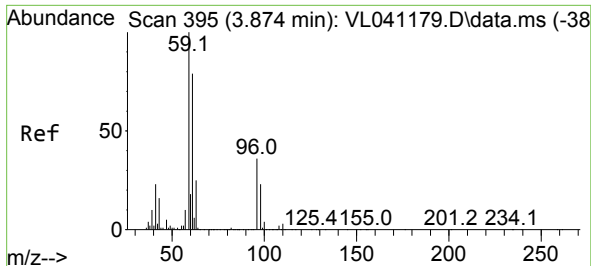
Tgt Ion: 43 Resp: 249399
Ion Ratio Lower Upper
43 100
58 27.8 21.4 32.0



#16
1,3-Butadiene
Concen: 0.198 ppbv
RT: 2.989 min Scan# 120
Delta R.T. -0.010 min
Lab File: VL041299.D
Acq: 4 Jun 2024 9:52

Tgt Ion: 39 Resp: 11689
Ion Ratio Lower Upper
39 100
54 0.0 62.2 93.4#





#17

tert-Butyl alcohol

Concen: 1.708 ppbv

RT: 3.896 min Scan# 402

Delta R.T. 0.006 min

Lab File: VL041299.D

Acq: 4 Jun 2024 9:52

Instrument :

MSVOA_L

ClientSampleId :

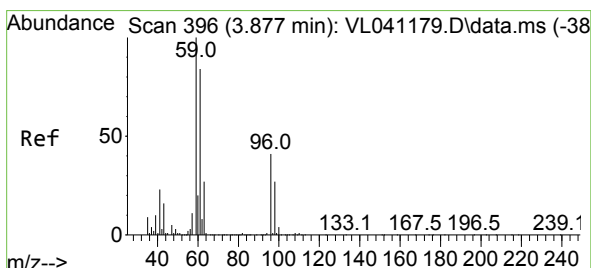
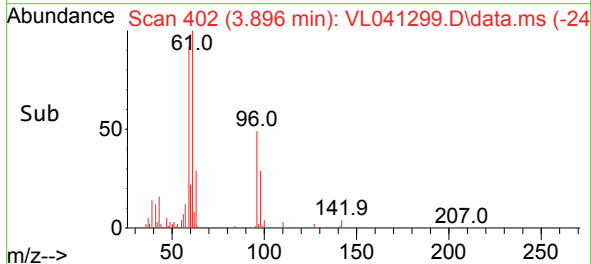
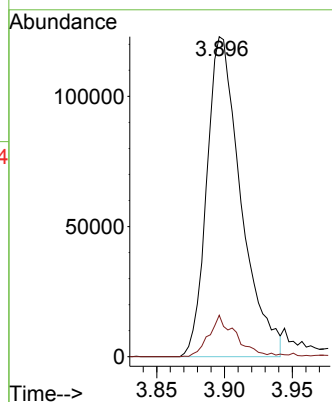
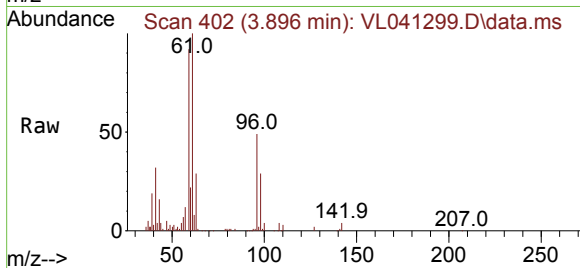
VSTDICC002

Tgt Ion: 59 Resp: 215024

Ion Ratio Lower Upper

59 100

57 10.7 8.4 12.6



#18

1,1-Dichloroethene

Concen: 2.075 ppbv

RT: 3.896 min Scan# 402

Delta R.T. 0.000 min

Lab File: VL041299.D

Acq: 4 Jun 2024 9:52

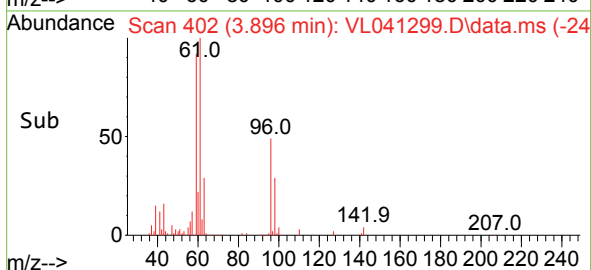
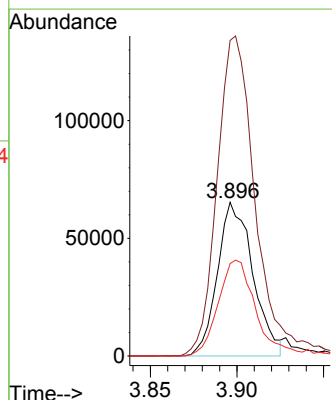
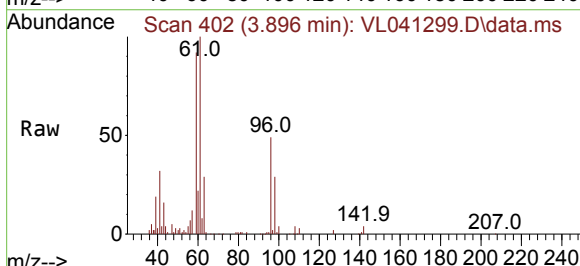
Tgt Ion: 96 Resp: 93014

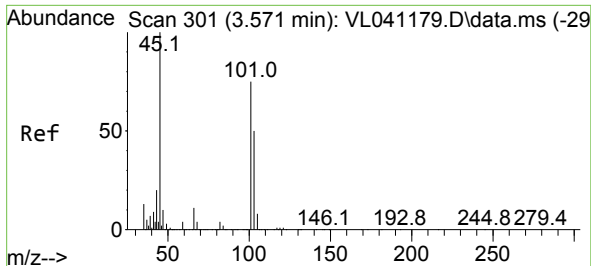
Ion Ratio Lower Upper

96 100

61 205.4 164.4 246.6

98 60.1 51.8 77.8

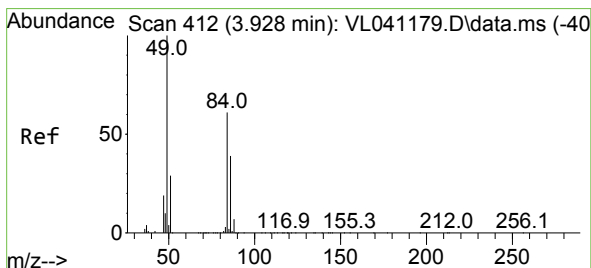
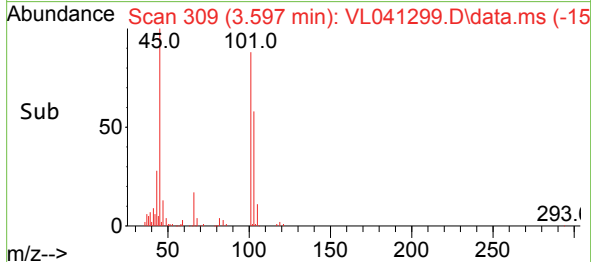
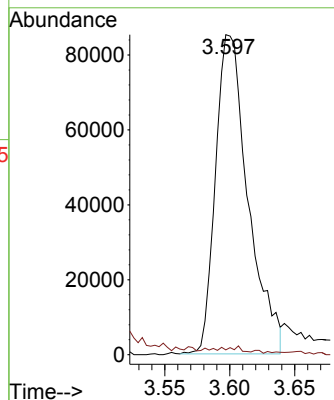
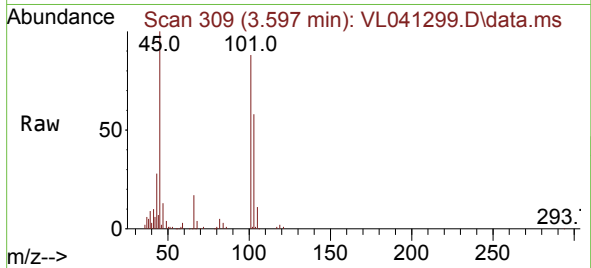




#19
Isopropyl Alcohol
Concen: 1.939 ppbv
RT: 3.597 min Scan# 301
Delta R.T. 0.006 min
Lab File: VL041299.D
Acq: 4 Jun 2024 9:52

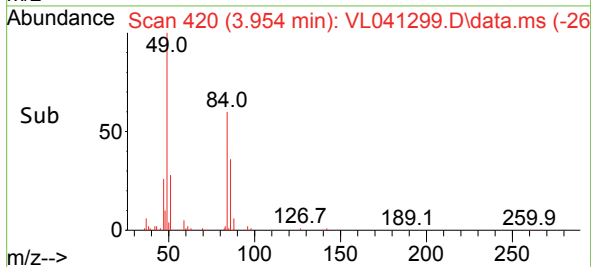
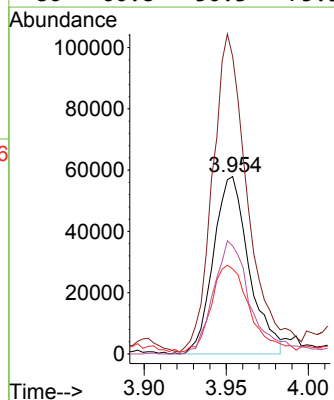
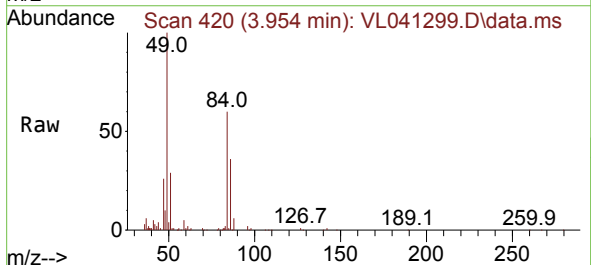
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

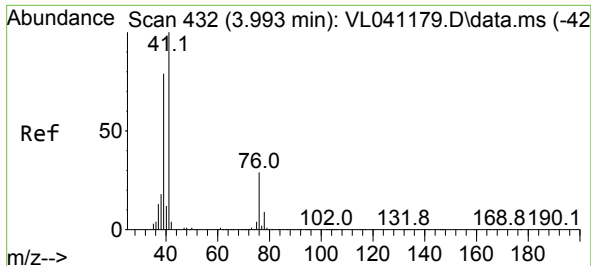
Tgt Ion: 45 Resp: 148489
Ion Ratio Lower Upper
45 100
58 50.4 26.8 40.2#



#20
Methylene Chloride
Concen: 2.149 ppbv
RT: 3.954 min Scan# 420
Delta R.T. 0.006 min
Lab File: VL041299.D
Acq: 4 Jun 2024 9:52

Tgt Ion: 84 Resp: 87232
Ion Ratio Lower Upper
84 100
49 166.3 130.4 195.6
51 46.9 38.0 57.0
86 60.8 50.3 75.5





#21

Allyl Chloride

Concen: 2.012 ppbv

RT: 4.015 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041299.D

Acq: 4 Jun 2024 9:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

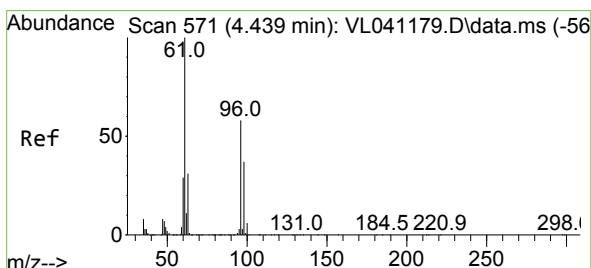
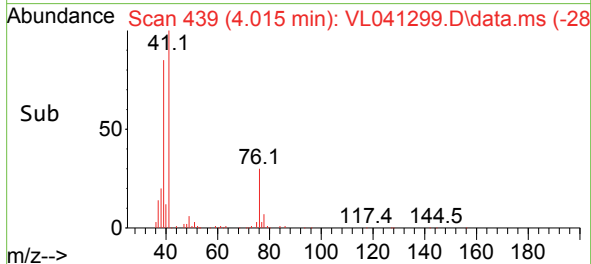
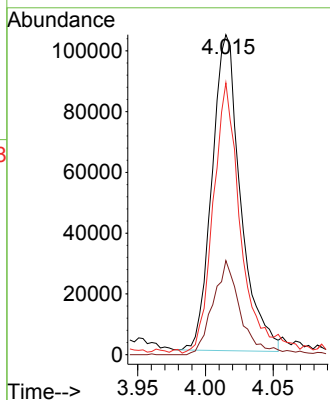
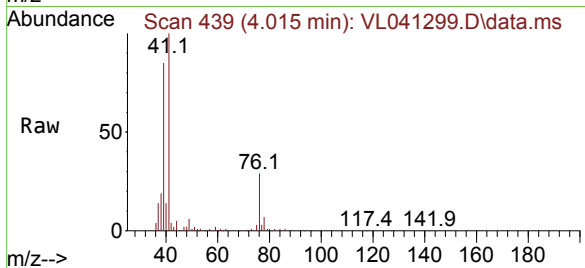
Tgt Ion: 41 Resp: 153150

Ion Ratio Lower Upper

41 100

76 29.4 23.7 35.5

39 85.4 64.7 97.1



#22

trans-1,2-Dichloroethene

Concen: 2.120 ppbv

RT: 4.462 min Scan# 578

Delta R.T. 0.000 min

Lab File: VL041299.D

Acq: 4 Jun 2024 9:52

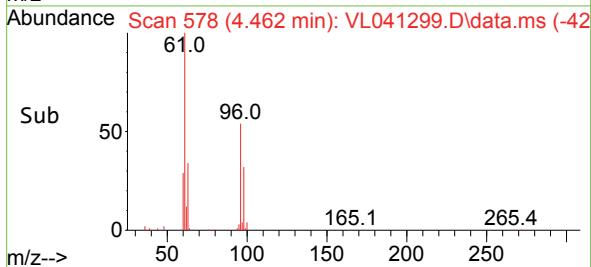
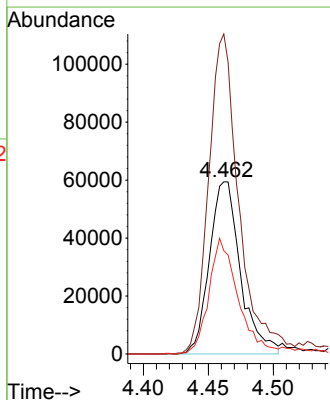
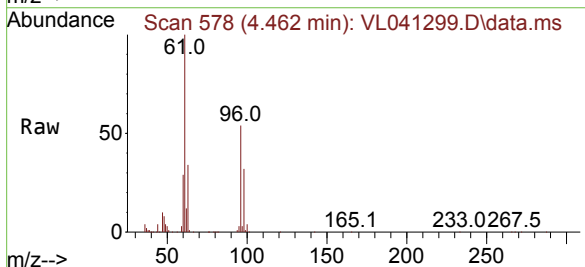
Tgt Ion: 96 Resp: 98831

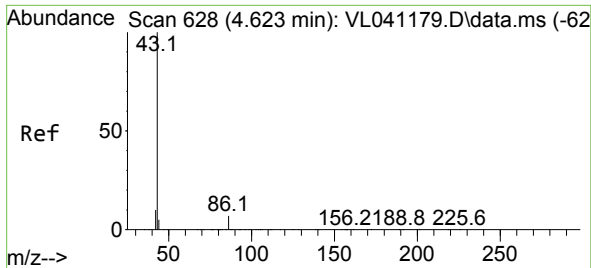
Ion Ratio Lower Upper

96 100

61 185.3 137.6 206.4

98 60.0 50.6 76.0



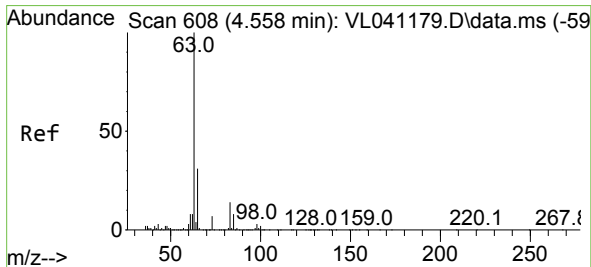
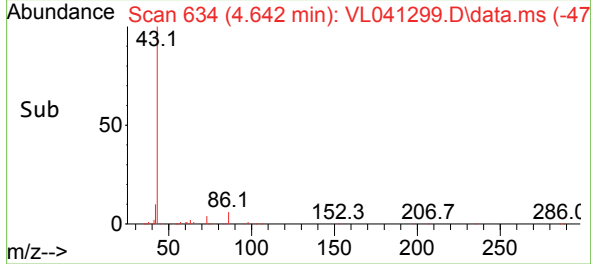
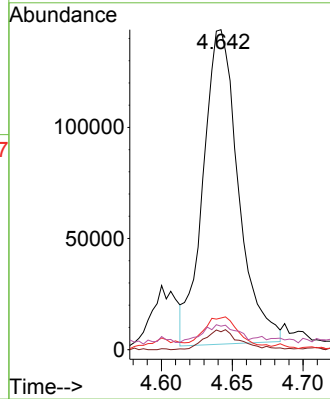
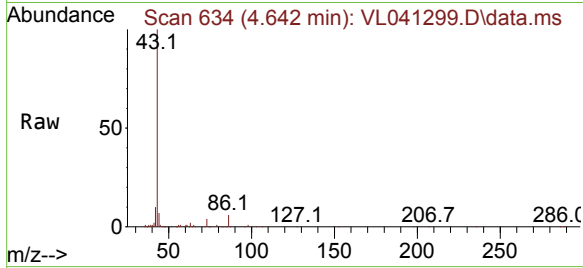


#23
 Vinyl Acetate
 Concen: 1.904 ppbv
 RT: 4.642 min Scan# 613
 Delta R.T. 0.003 min
 Lab File: VL041299.D
 Acq: 4 Jun 2024 9:52

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC002

Tgt Ion: 43 Resp: 244713

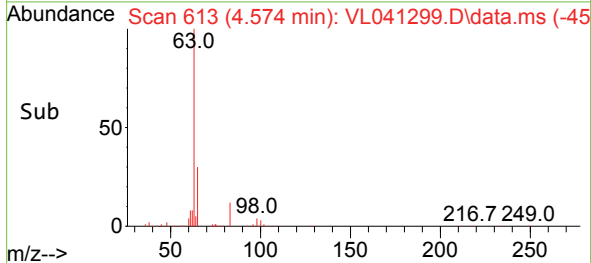
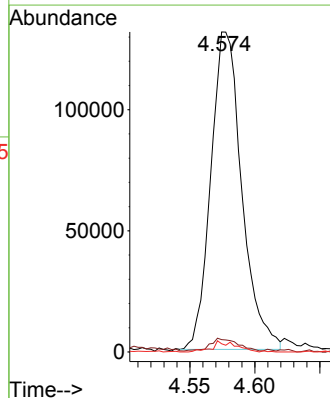
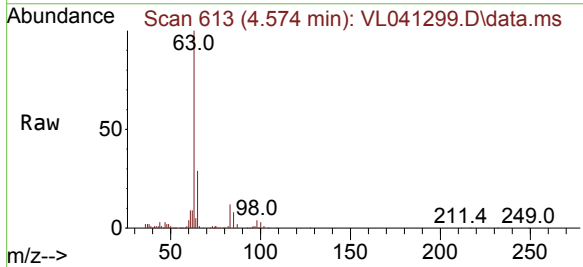
Ion	Ratio	Lower	Upper
43	100		
86	5.7	4.9	7.3
42	8.5	8.0	12.0
44	5.4	3.7	5.5

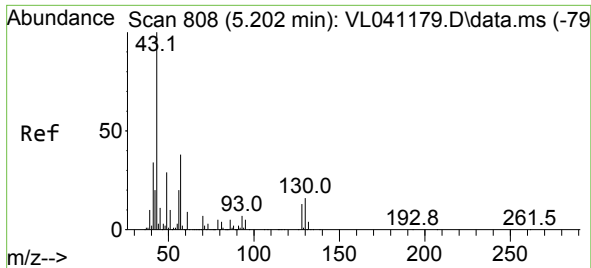


#24
 1,1-Dichloroethane
 Concen: 2.175 ppbv
 RT: 4.574 min Scan# 613
 Delta R.T. -0.003 min
 Lab File: VL041299.D
 Acq: 4 Jun 2024 9:52

Tgt Ion: 63 Resp: 217408

Ion	Ratio	Lower	Upper
63	100		
98	3.5	1.6	4.8
100	2.6	1.1	3.5



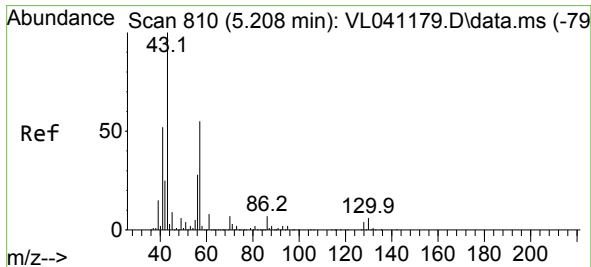
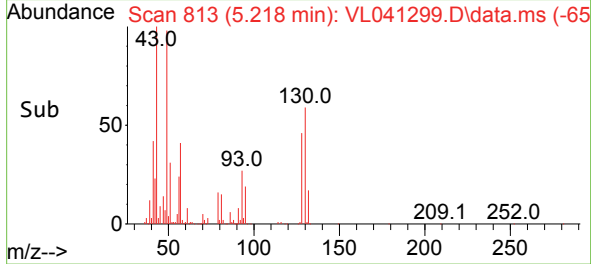
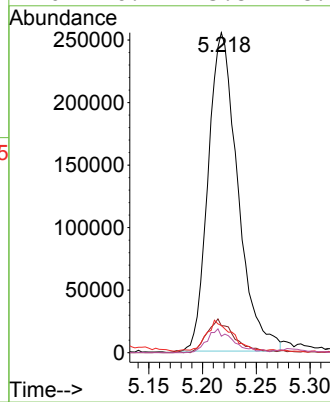
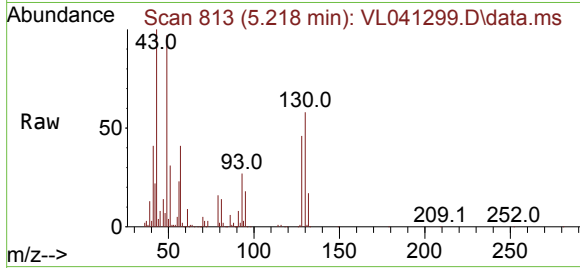


#25
Ethyl Acetate
Concen: 2.091 ppbv
RT: 5.218 min Scan# 813
Delta R.T. -0.003 min
Lab File: VL041299.D
Acq: 4 Jun 2024 9:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 487123

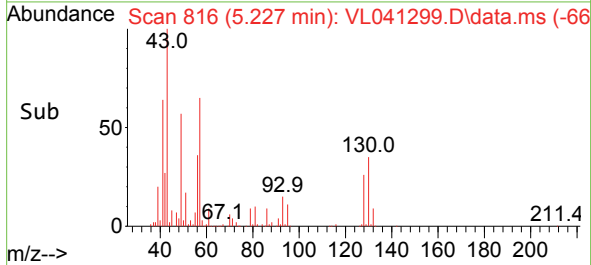
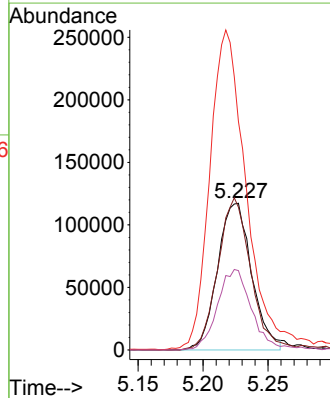
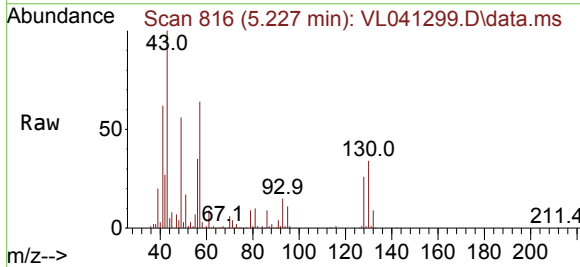
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.2
61	10.3	7.7	11.5
70	6.7	5.8	8.6

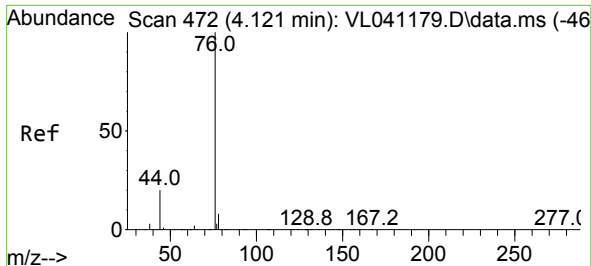


#26
Hexane
Concen: 2.064 ppbv
RT: 5.227 min Scan# 816
Delta R.T. 0.000 min
Lab File: VL041299.D
Acq: 4 Jun 2024 9:52

Tgt Ion: 57 Resp: 214645

Ion	Ratio	Lower	Upper
57	100		
41	102.3	75.8	113.8
43	236.6	187.0	280.4
56	55.3	42.7	64.1

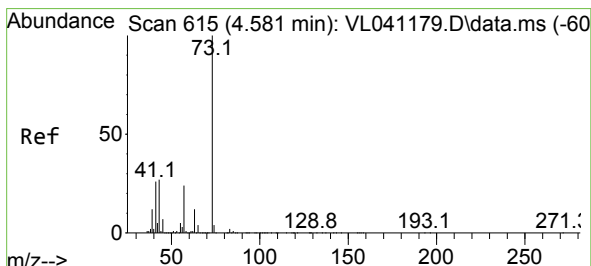
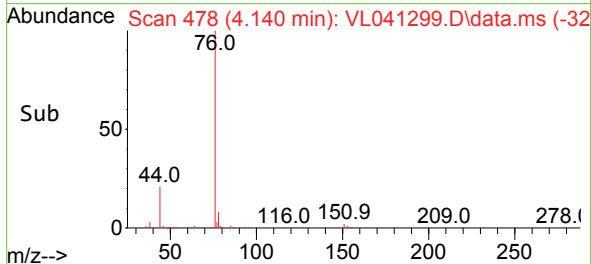
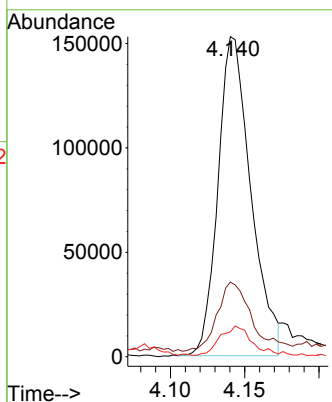
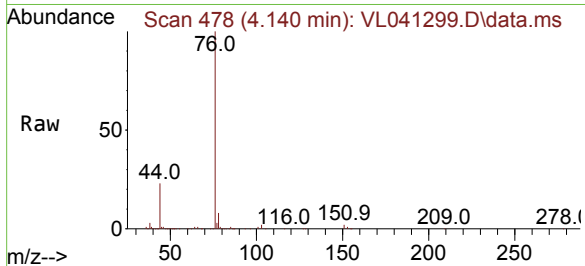




#27
Carbon Disulfide
Concen: 1.913 ppbv
RT: 4.140 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL041299.D
Acq: 4 Jun 2024 9:52

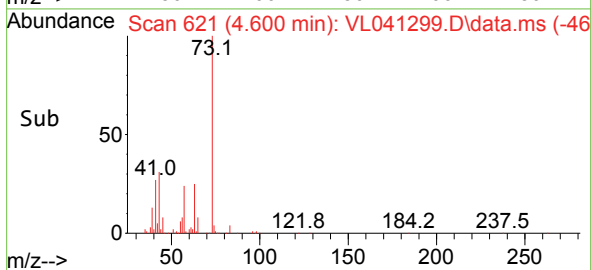
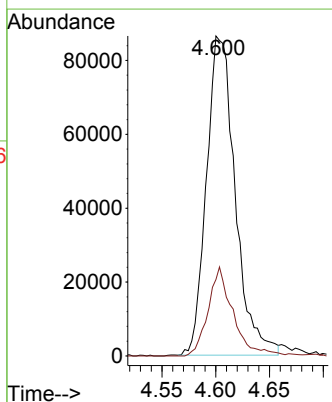
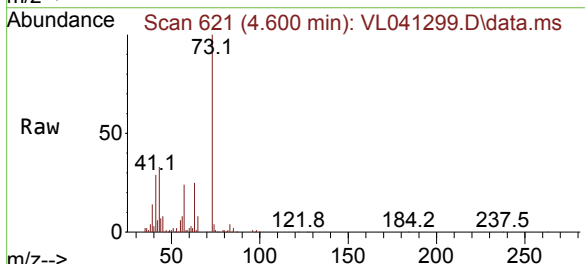
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

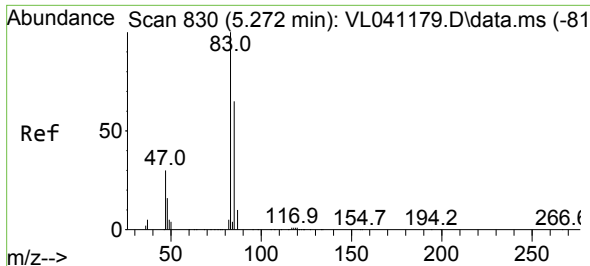
Tgt Ion: 76 Resp: 235426
Ion Ratio Lower Upper
76 100
44 27.4 16.3 24.5#
78 10.5 7.3 10.9



#28
Methyl tert-Butyl Ether
Concen: 1.941 ppbv
RT: 4.600 min Scan# 621
Delta R.T. 0.000 min
Lab File: VL041299.D
Acq: 4 Jun 2024 9:52

Tgt Ion: 73 Resp: 160648
Ion Ratio Lower Upper
73 100
57 24.6 18.8 28.2





#29

Chloroform

Concen: 2.329 ppbv

RT: 5.282 min Scan# 81

Delta R.T. -0.006 min

Lab File: VL041299.D

Acq: 4 Jun 2024 9:52

Instrument :

MSVOA_L

ClientSampleId :

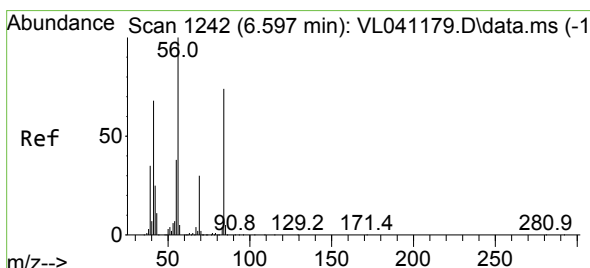
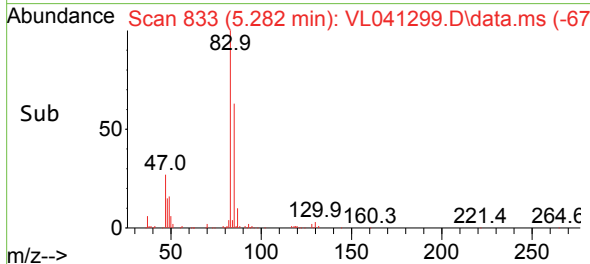
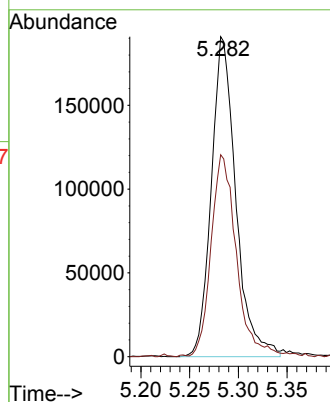
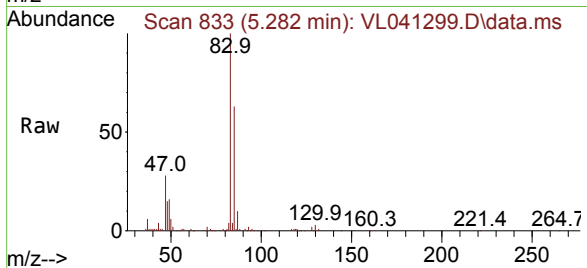
VSTDIC002

Tgt Ion: 83 Resp: 334008

Ion Ratio Lower Upper

83 100

85 62.7 51.7 77.5



#30

Cyclohexane

Concen: 2.164 ppbv

RT: 6.607 min Scan# 1245

Delta R.T. -0.010 min

Lab File: VL041299.D

Acq: 4 Jun 2024 9:52

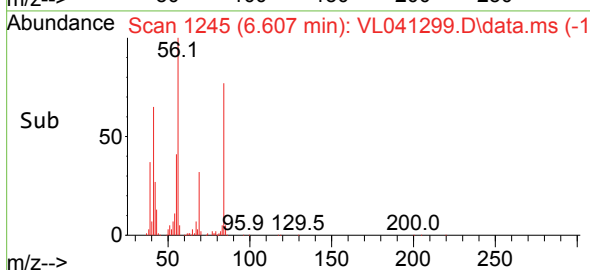
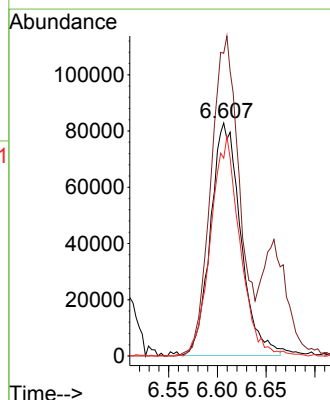
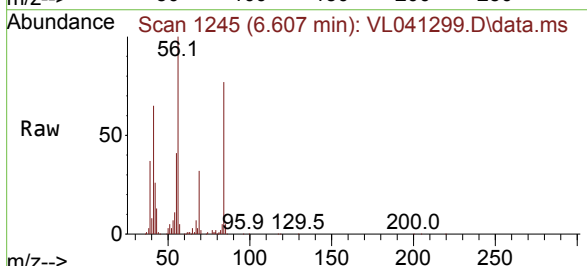
Tgt Ion: 84 Resp: 178097

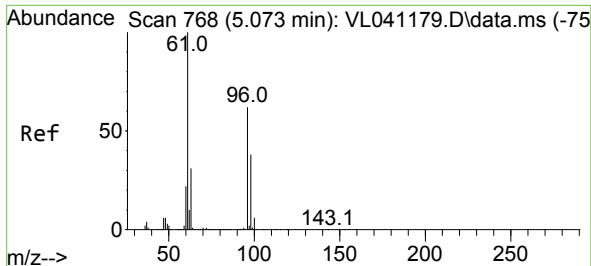
Ion Ratio Lower Upper

84 100

56 131.9 116.8 175.2

41 91.4 73.8 110.8

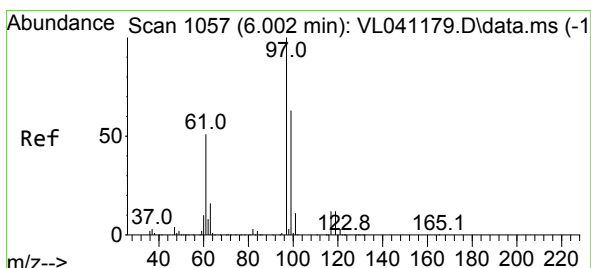
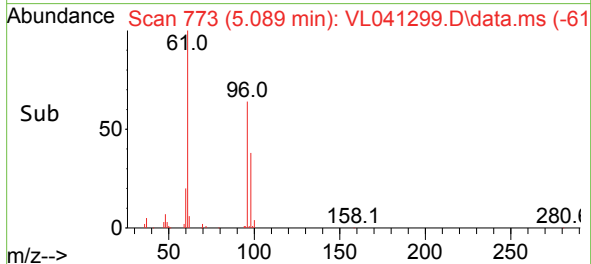
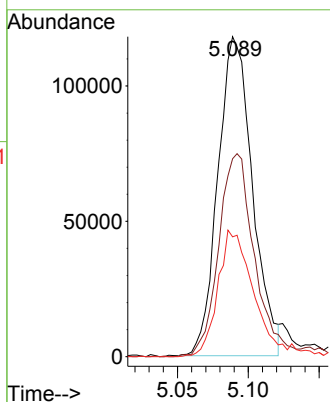
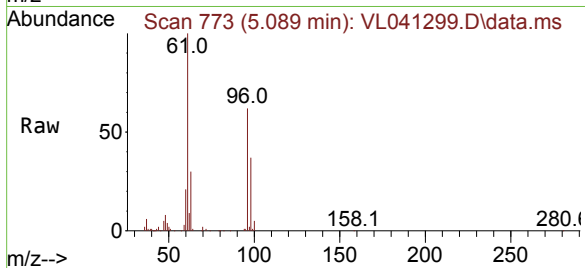




#31
 cis-1,2-Dichloroethene
 Concen: 2.057 ppbv
 RT: 5.089 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: VL041299.D
 Acq: 4 Jun 2024 9:52

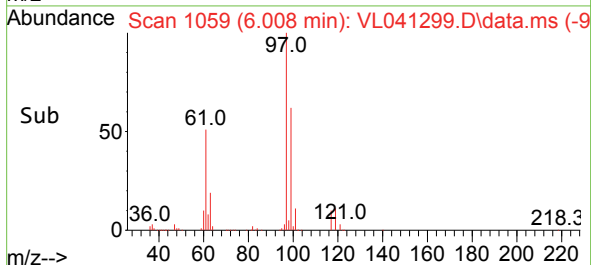
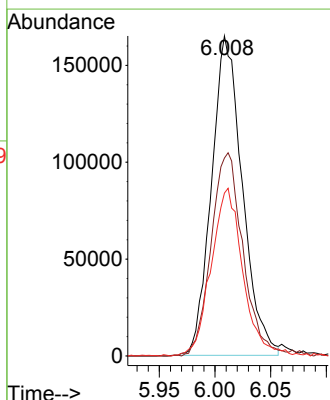
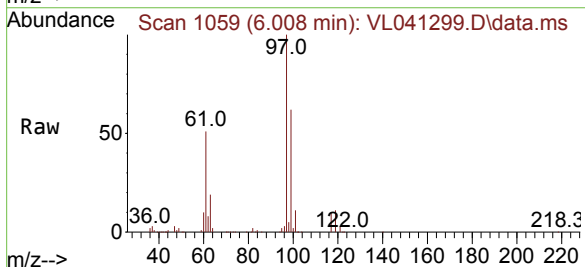
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

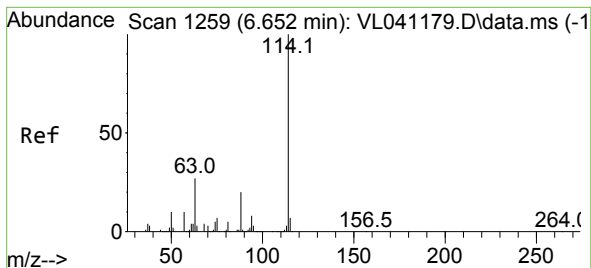
Tgt Ion: 61 Resp: 200170
 Ion Ratio Lower Upper
 61 100
 96 61.9 49.8 74.6
 98 37.6 30.0 45.0



#32
 1,1,1-Trichloroethane
 Concen: 2.218 ppbv
 RT: 6.008 min Scan# 1059
 Delta R.T. -0.010 min
 Lab File: VL041299.D
 Acq: 4 Jun 2024 9:52

Tgt Ion: 97 Resp: 317486
 Ion Ratio Lower Upper
 97 100
 99 66.8 51.7 77.5
 61 54.7 41.1 61.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.661 min Scan# 114

Delta R.T. -0.006 min

Lab File: VL041299.D

Acq: 4 Jun 2024 9:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

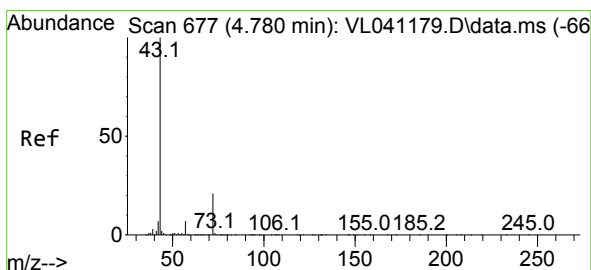
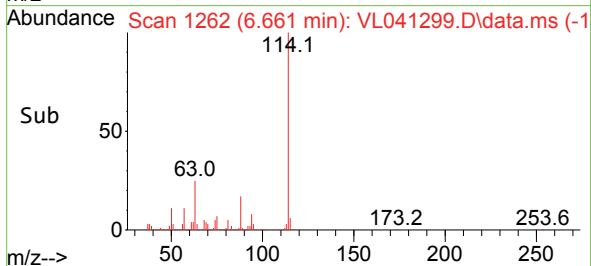
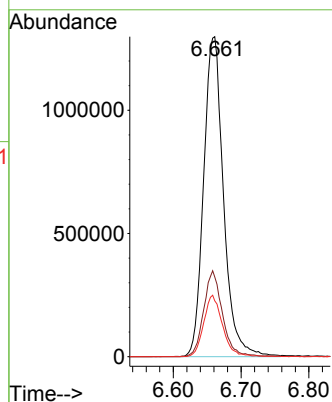
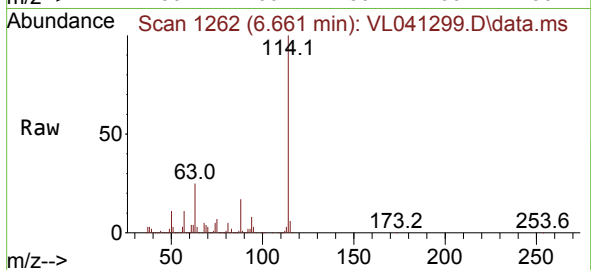
Tgt Ion:114 Resp: 2646176

Ion Ratio Lower Upper

114 100

63 25.5 21.8 32.6

88 18.3 15.2 22.8



#34

2-Butanone

Concen: 2.021 ppbv

RT: 4.800 min Scan# 683

Delta R.T. 0.000 min

Lab File: VL041299.D

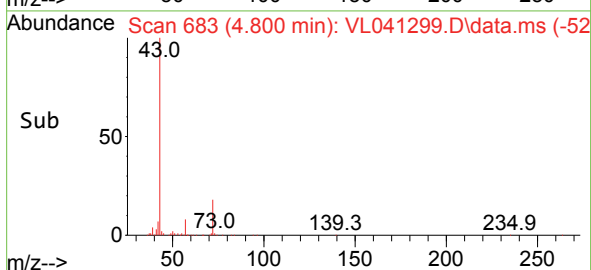
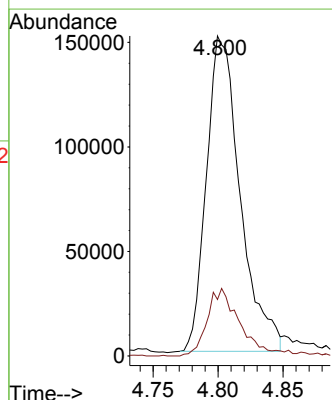
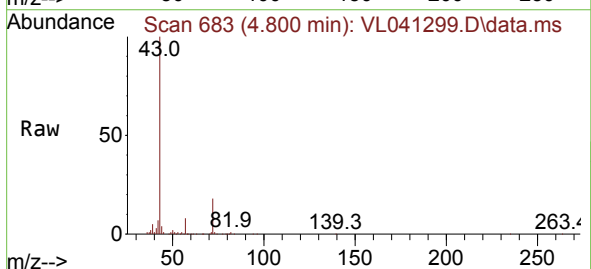
Acq: 4 Jun 2024 9:52

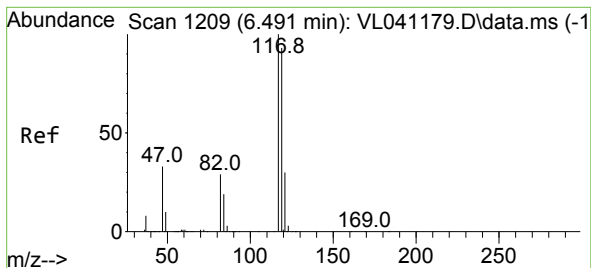
Tgt Ion: 43 Resp: 272260

Ion Ratio Lower Upper

43 100

72 21.8 17.3 25.9





#35

Carbon Tetrachloride

Concen: 2.228 ppbv

RT: 6.500 min Scan# 117

Delta R.T. -0.010 min

Lab File: VL041299.D

Acq: 4 Jun 2024 9:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

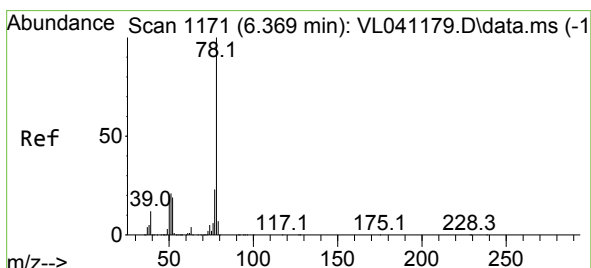
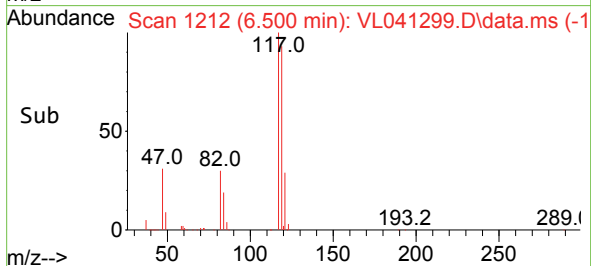
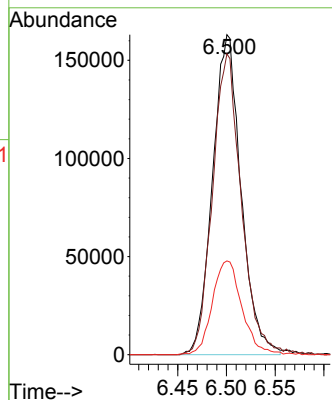
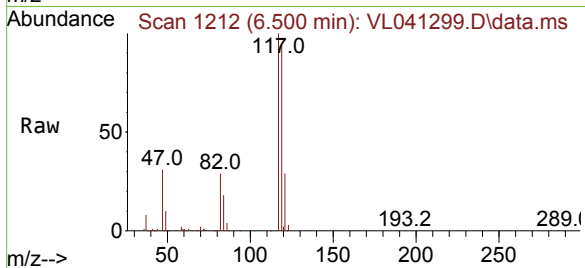
Tgt Ion:117 Resp: 330834

Ion Ratio Lower Upper

117 100

119 94.0 74.3 111.5

121 29.1 23.8 35.8



#36

Benzene

Concen: 2.032 ppbv

RT: 6.378 min Scan# 1174

Delta R.T. -0.006 min

Lab File: VL041299.D

Acq: 4 Jun 2024 9:52

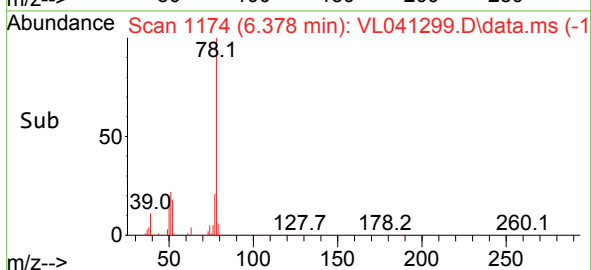
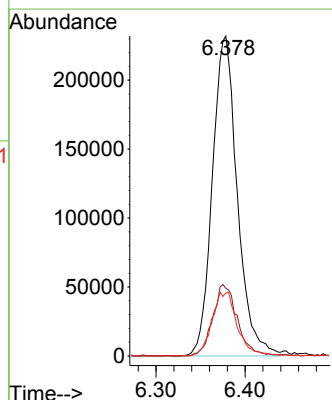
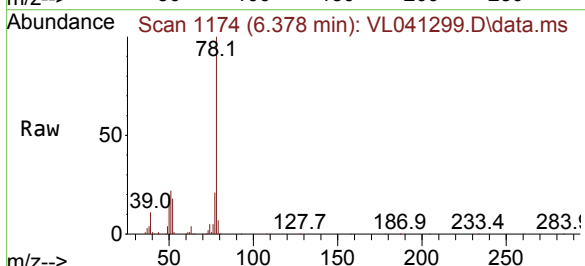
Tgt Ion: 78 Resp: 451133

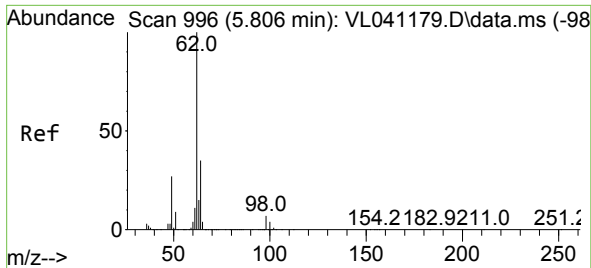
Ion Ratio Lower Upper

78 100

77 21.1 18.3 27.5

50 19.6 15.9 23.9

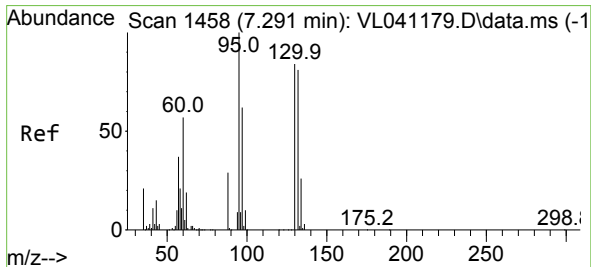
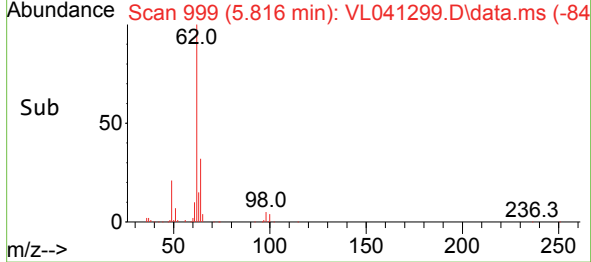
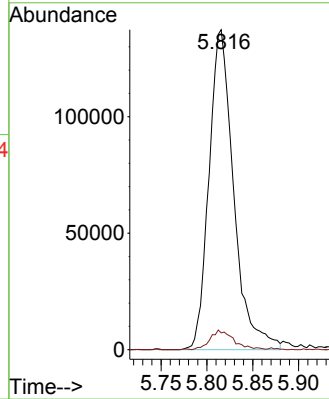
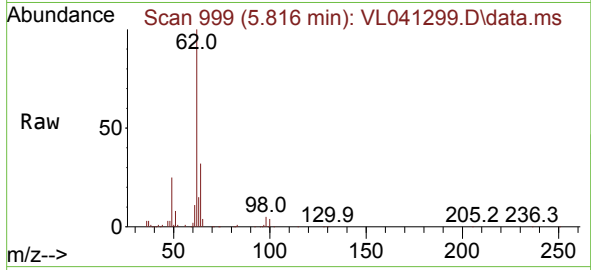




#37
1,2-Dichloroethane
Concen: 2.223 ppbv
RT: 5.816 min Scan# 996
Delta R.T. -0.006 min
Lab File: VL041299.D
Acq: 4 Jun 2024 9:52

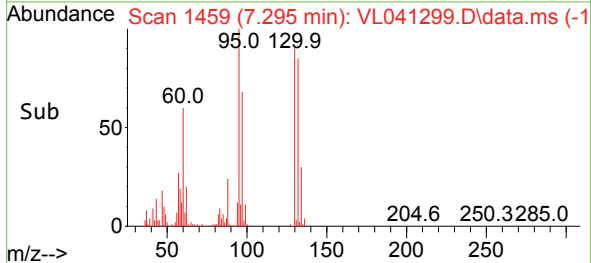
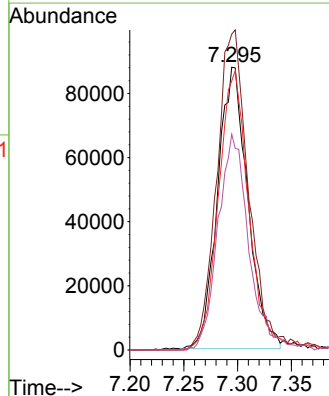
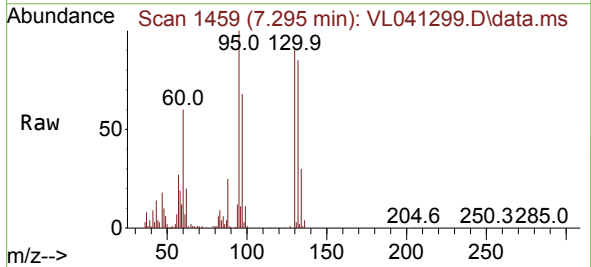
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

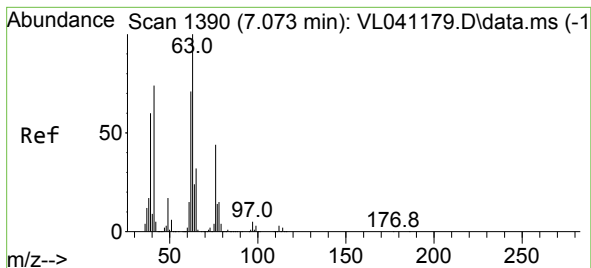
Tgt Ion: 62 Resp: 257543
Ion Ratio Lower Upper
62 100
98 6.1 5.0 7.4



#38
Trichloroethene
Concen: 2.078 ppbv
RT: 7.295 min Scan# 1459
Delta R.T. -0.013 min
Lab File: VL041299.D
Acq: 4 Jun 2024 9:52

Tgt Ion: 130 Resp: 171958
Ion Ratio Lower Upper
130 100
95 112.0 95.0 142.6
132 95.5 77.0 115.4
97 76.6 59.1 88.7





#39

1,2-Dichloropropane

Concen: 0.759 ppbv

RT: 7.082 min Scan# 1

Delta R.T. -0.006 min

Lab File: VL041299.D

Acq: 4 Jun 2024 9:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

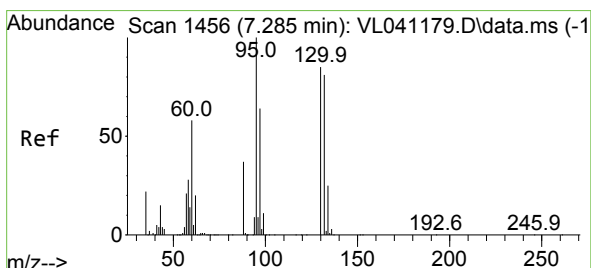
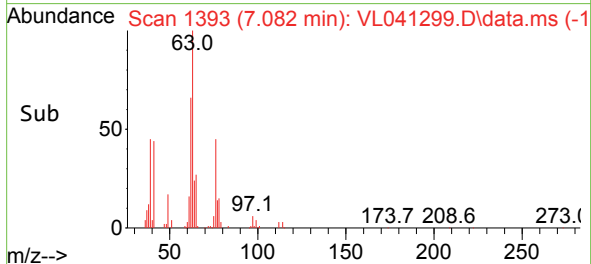
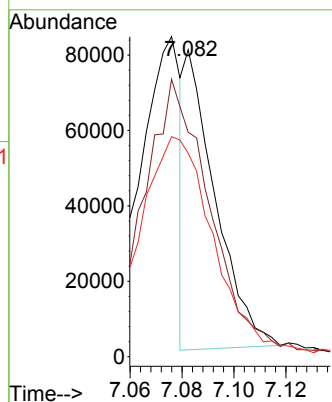
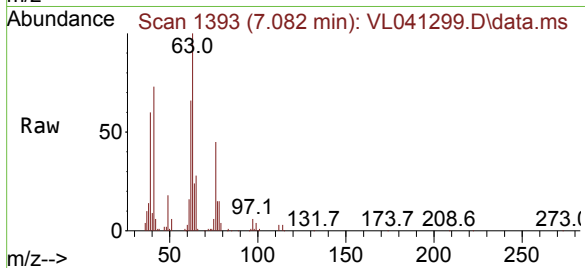
Tgt Ion: 63 Resp: 64978

Ion Ratio Lower Upper

63 100

41 72.6 59.4 89.0

62 65.0 56.8 85.2



#40

1,4-Dioxane

Concen: 1.282 ppbv

RT: 7.301 min Scan# 1461

Delta R.T. 0.003 min

Lab File: VL041299.D

Acq: 4 Jun 2024 9:52

Tgt Ion: 88 Resp: 39185

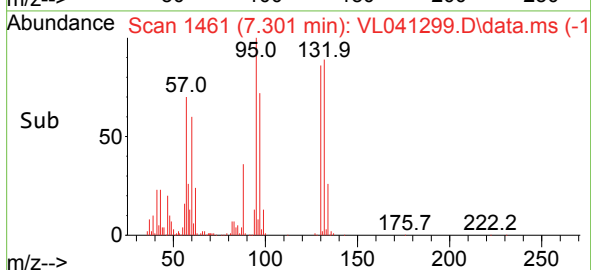
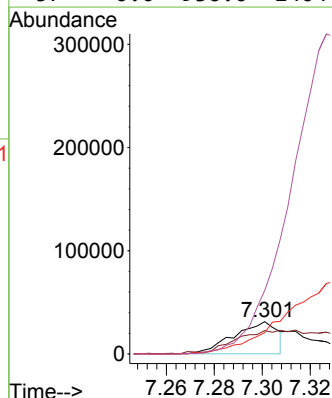
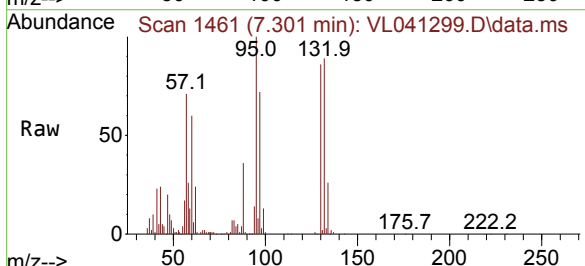
Ion Ratio Lower Upper

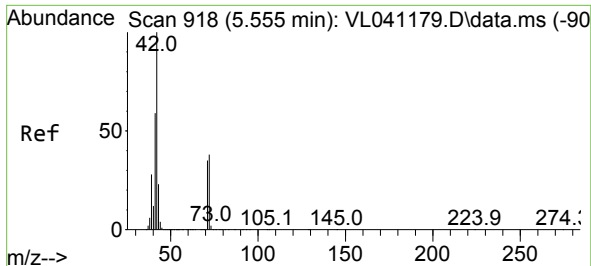
88 100

58 0.0 106.1 159.1#

43 0.0 219.8 329.6#

57 0.0 936.0 1404.0#

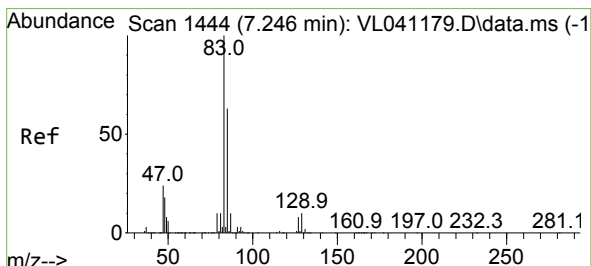
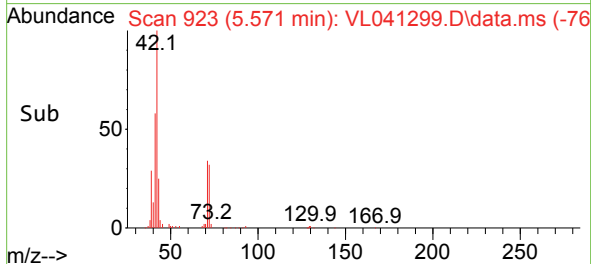
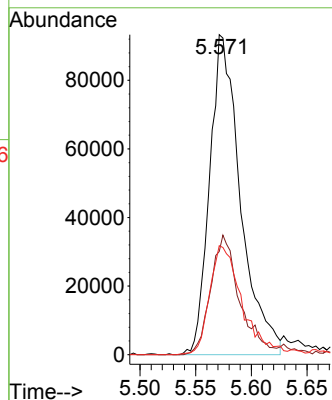
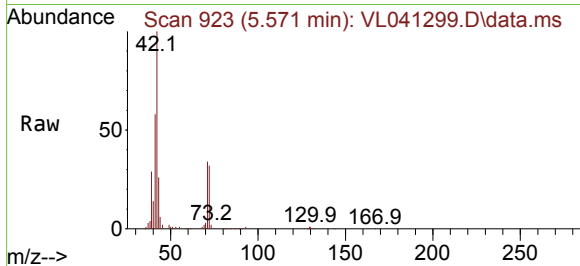




#41
Tetrahydrofuran
Concen: 1.845 ppbv
RT: 5.571 min Scan# 918
Delta R.T. 0.000 min
Lab File: VL041299.D
Acq: 4 Jun 2024 9:52

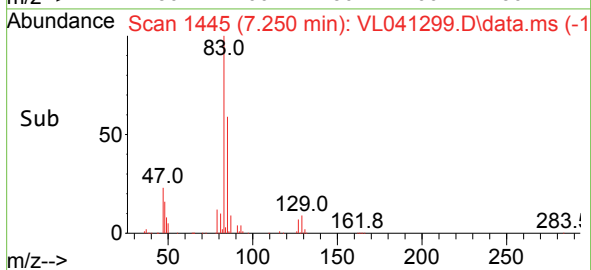
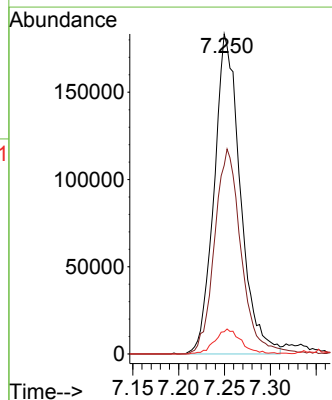
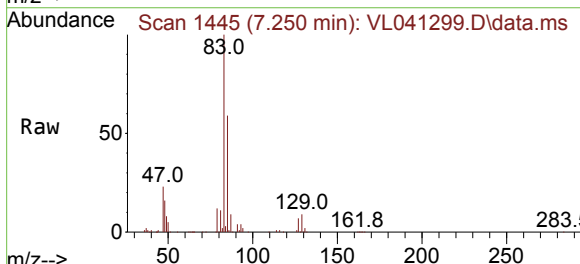
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

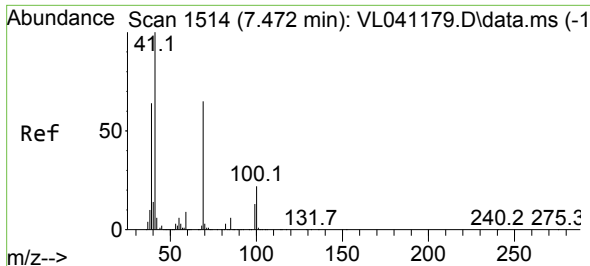
Tgt Ion: 42 Resp: 179858
Ion Ratio Lower Upper
42 100
72 36.9 29.4 44.0
71 37.4 29.1 43.7



#42
Bromodichloromethane
Concen: 2.192 ppbv
RT: 7.250 min Scan# 1445
Delta R.T. -0.013 min
Lab File: VL041299.D
Acq: 4 Jun 2024 9:52

Tgt Ion: 83 Resp: 364191
Ion Ratio Lower Upper
83 100
85 59.0 50.6 75.8
127 7.0 6.2 9.4

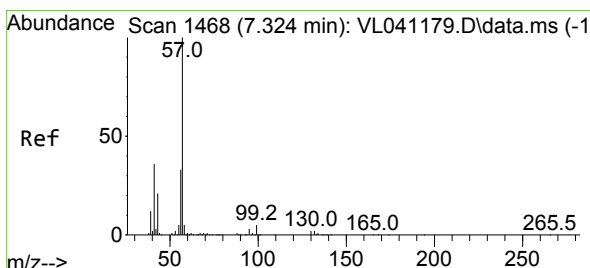
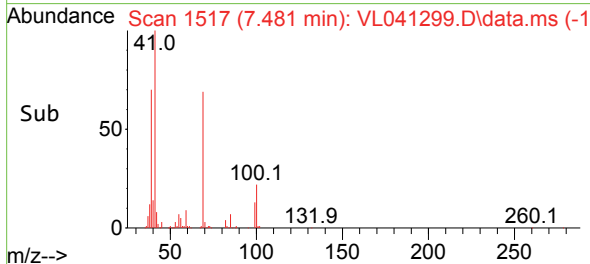
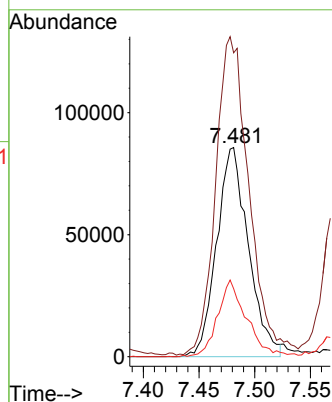
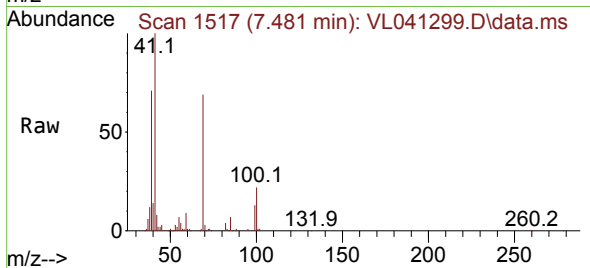




#43
Methyl Methacrylate
Concen: 1.890 ppbv
RT: 7.481 min Scan# 1517
Delta R.T. -0.006 min
Lab File: VL041299.D
Acq: 4 Jun 2024 9:52

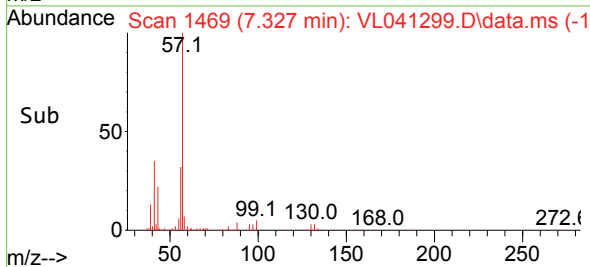
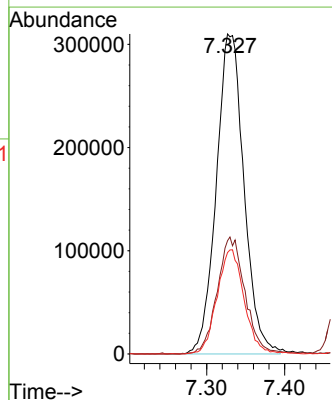
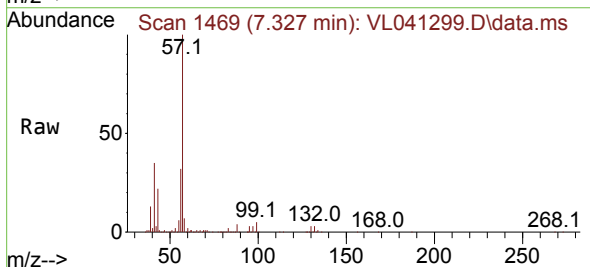
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

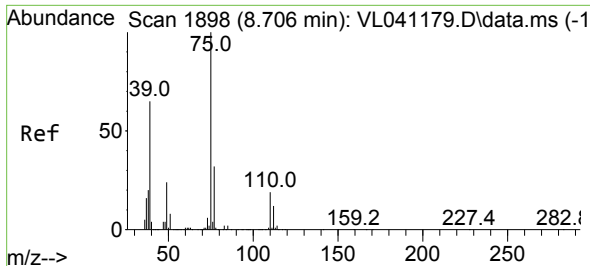
Tgt Ion: 69 Resp: 169741
Ion Ratio Lower Upper
69 100
41 161.2 125.2 187.8
100 33.6 26.7 40.1



#44
2,2,4-Trimethylpentane
Concen: 1.998 ppbv
RT: 7.327 min Scan# 1469
Delta R.T. -0.013 min
Lab File: VL041299.D
Acq: 4 Jun 2024 9:52

Tgt Ion: 57 Resp: 765169
Ion Ratio Lower Upper
57 100
41 37.0 29.5 44.3
56 32.0 25.3 37.9

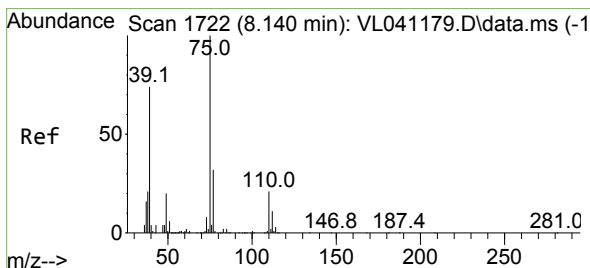
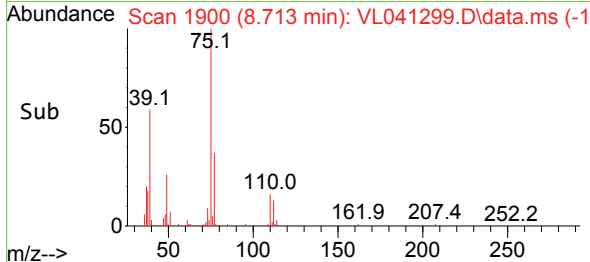
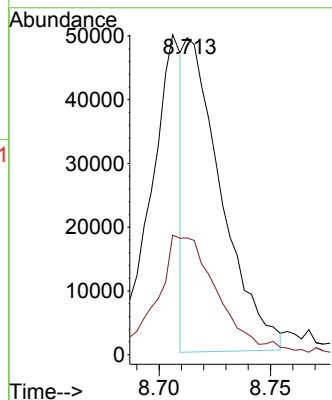
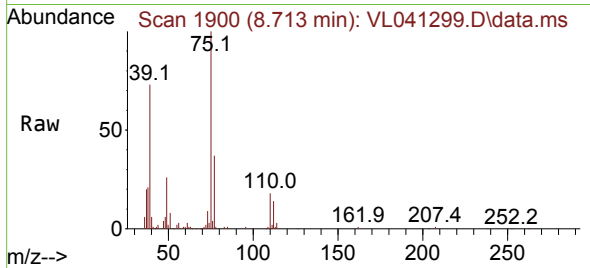




#45
 t-1,3-Dichloropropene
 Concen: 0.878 ppbv
 RT: 8.713 min Scan# 1898
 Delta R.T. -0.010 min
 Lab File: VL041299.D
 Acq: 4 Jun 2024 9:52

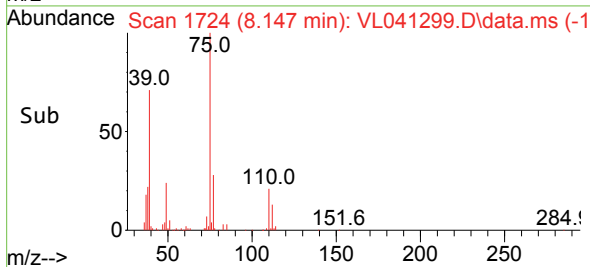
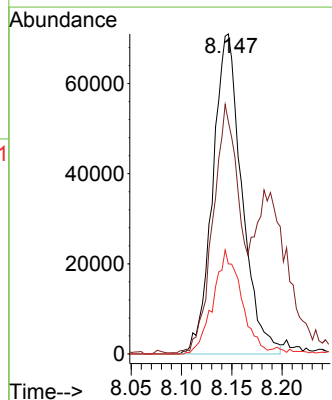
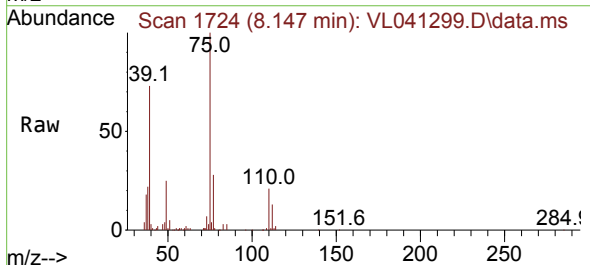
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

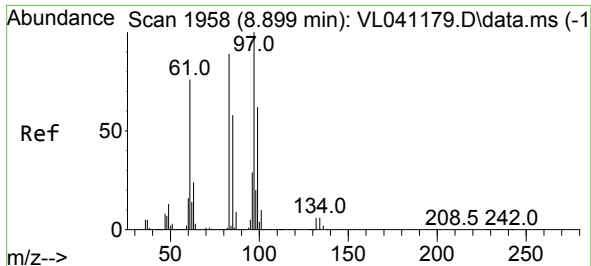
Tgt Ion: 75 Resp: 57114
 Ion Ratio Lower Upper
 75 100
 77 36.8 25.6 38.4



#46
 cis-1,3-Dichloropropene
 Concen: 1.799 ppbv
 RT: 8.147 min Scan# 1724
 Delta R.T. -0.010 min
 Lab File: VL041299.D
 Acq: 4 Jun 2024 9:52

Tgt Ion: 75 Resp: 143330
 Ion Ratio Lower Upper
 75 100
 39 71.7 59.4 89.2
 77 28.1 25.9 38.9





#47

1,1,2-Trichloroethane

Concen: 2.134 ppbv

RT: 8.896 min Scan# 1958

Delta R.T. -0.019 min

Lab File: VL041299.D

Acq: 4 Jun 2024 9:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 97 Resp: 182770

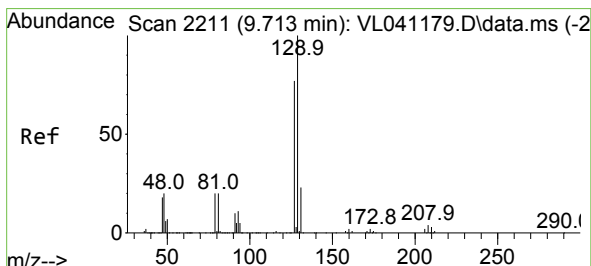
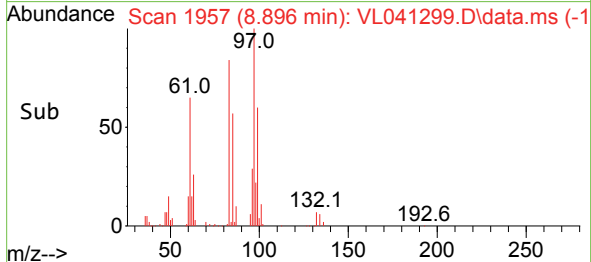
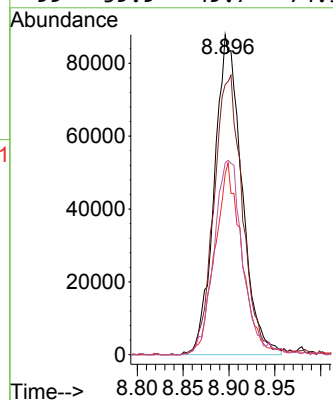
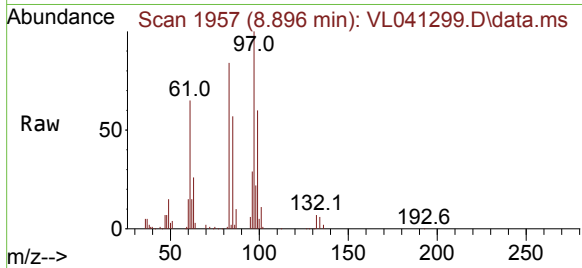
Ion Ratio Lower Upper

97 100

83 84.4 71.2 106.8

85 56.5 46.0 69.0

99 59.9 49.7 74.5



#48

Dibromochloromethane

Concen: 2.209 ppbv

RT: 9.709 min Scan# 2210

Delta R.T. -0.016 min

Lab File: VL041299.D

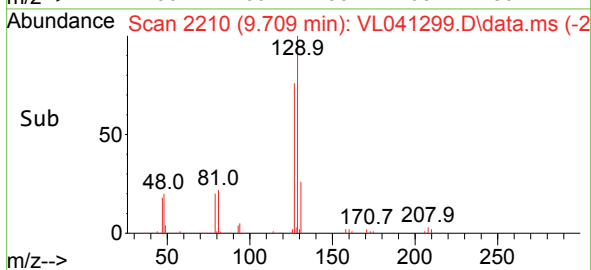
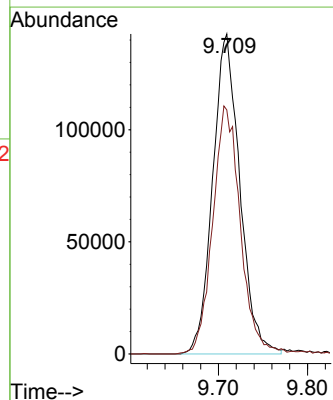
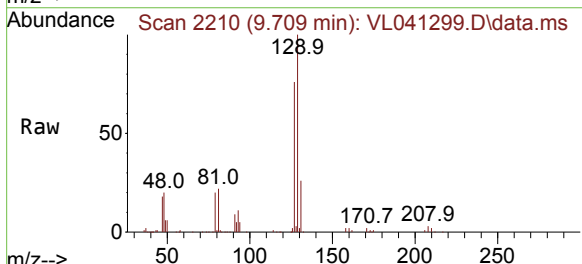
Acq: 4 Jun 2024 9:52

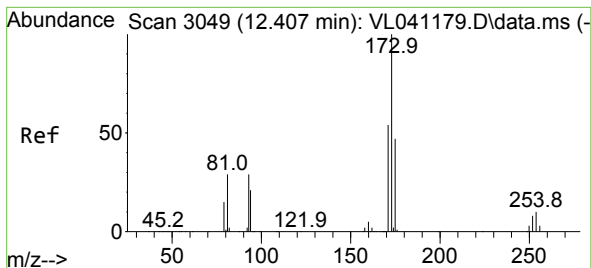
Tgt Ion: 129 Resp: 301441

Ion Ratio Lower Upper

129 100

127 79.6 39.1 117.5





#49

Bromoform

Concen: 2.141 ppbv

RT: 12.404 min Scan# 3049

Delta R.T. -0.016 min

Lab File: VL041299.D

Acq: 4 Jun 2024 9:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

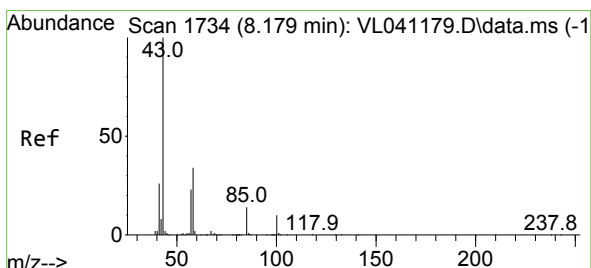
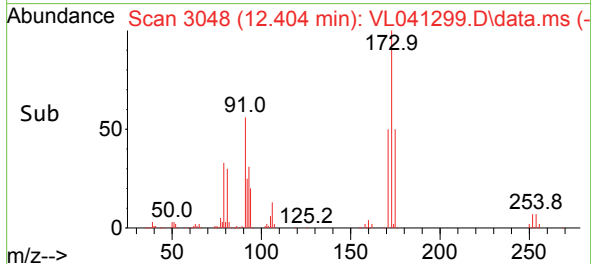
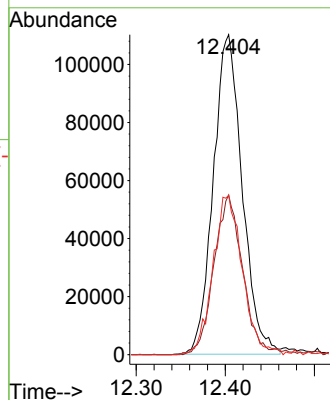
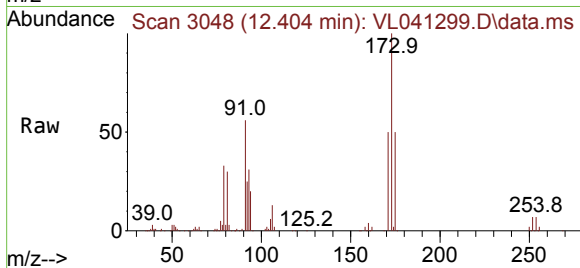
Tgt Ion:173 Resp: 248528

Ion Ratio Lower Upper

173 100

175 50.0 39.8 59.8

171 51.2 41.8 62.8



#50

4-Methyl-2-Pentanone

Concen: 1.883 ppbv

RT: 8.185 min Scan# 1736

Delta R.T. -0.010 min

Lab File: VL041299.D

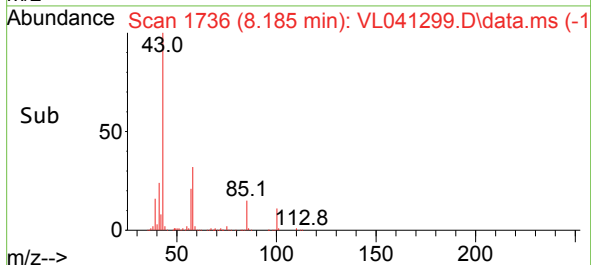
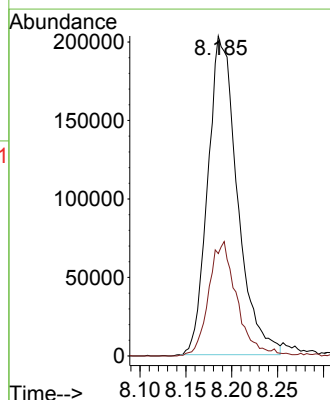
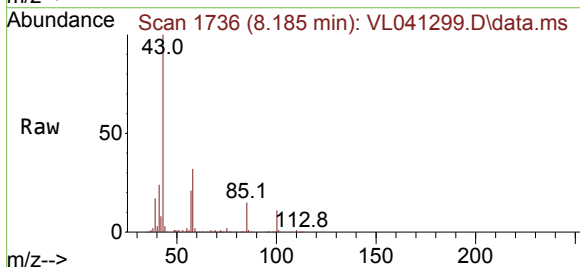
Acq: 4 Jun 2024 9:52

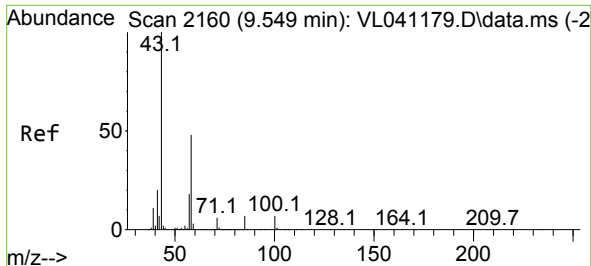
Tgt Ion: 43 Resp: 455025

Ion Ratio Lower Upper

43 100

58 34.3 27.7 41.5

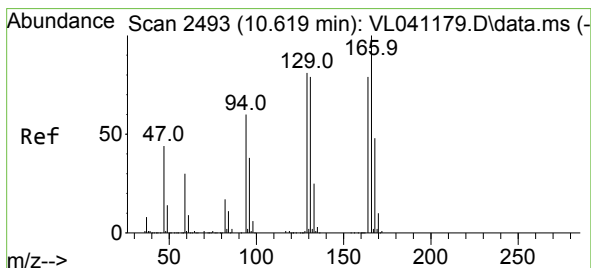
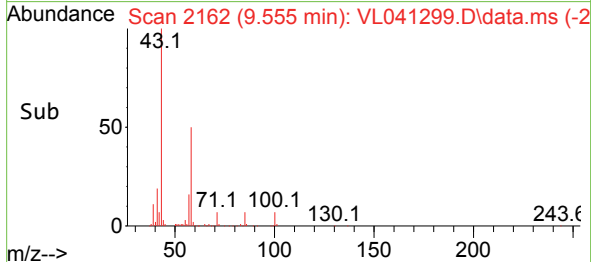
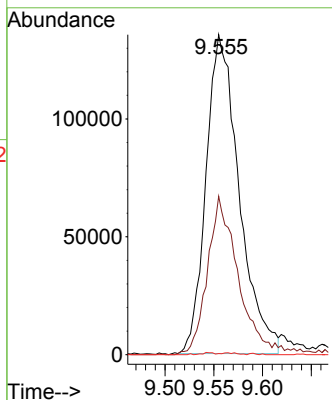
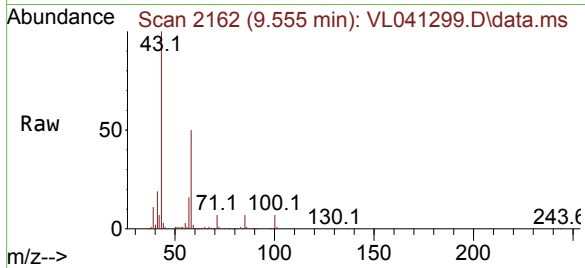




#51
2-Hexanone
Concen: 1.781 ppbv
RT: 9.555 min Scan# 2160
Delta R.T. -0.010 min
Lab File: VL041299.D
Acq: 4 Jun 2024 9:52

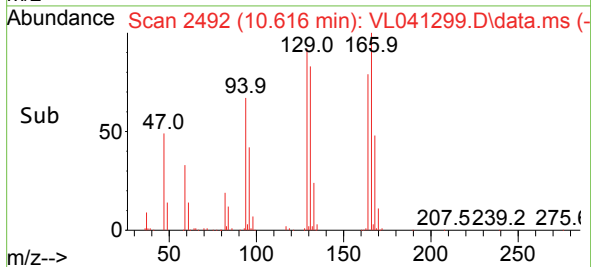
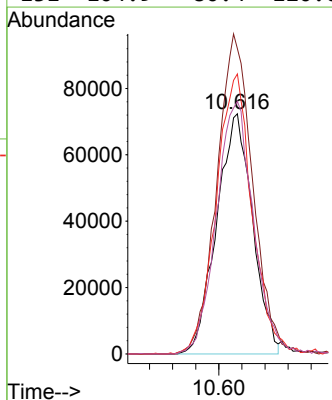
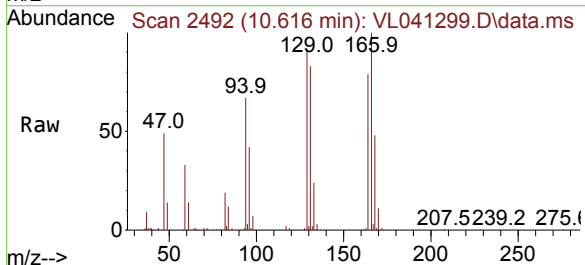
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

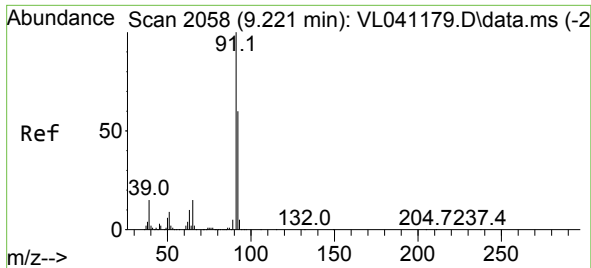
Tgt Ion: 43 Resp: 319389
Ion Ratio Lower Upper
43 100
58 46.9 38.4 57.6
98 0.6 0.0 0.0#



#52
Tetrachloroethene
Concen: 1.999 ppbv
RT: 10.616 min Scan# 2492
Delta R.T. -0.013 min
Lab File: VL041299.D
Acq: 4 Jun 2024 9:52

Tgt Ion: 164 Resp: 156010
Ion Ratio Lower Upper
164 100
166 126.5 101.1 151.7
129 116.0 81.7 122.5
131 104.9 80.4 120.6

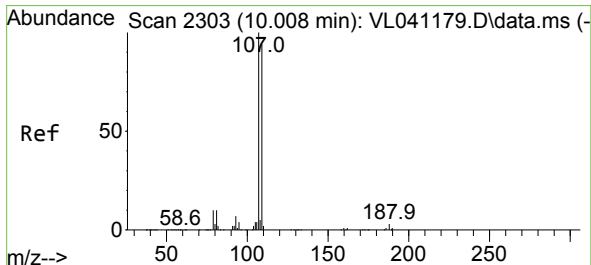
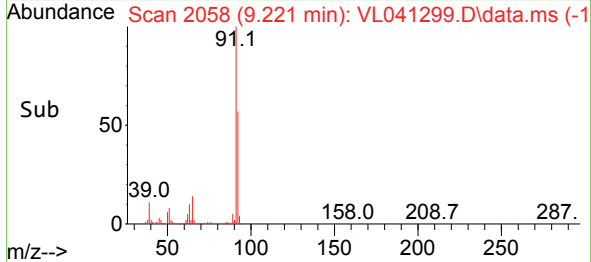
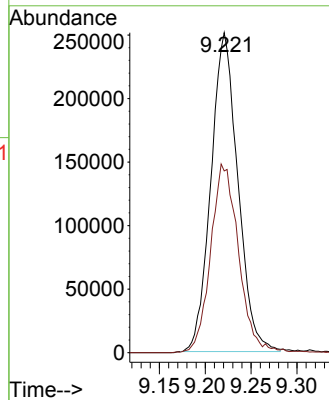
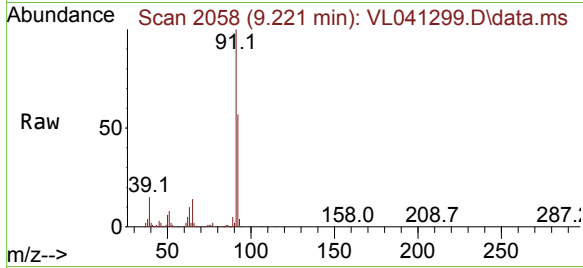




#53
Toluene
Concen: 1.991 ppbv
RT: 9.221 min Scan# 2058
Delta R.T. -0.013 min
Lab File: VL041299.D
Acq: 4 Jun 2024 9:52

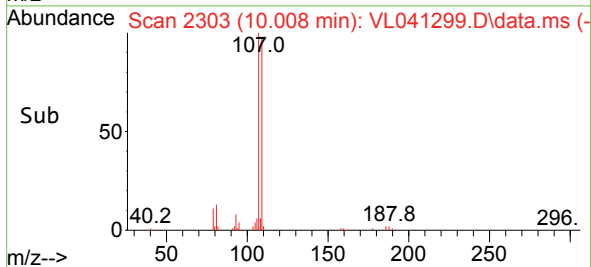
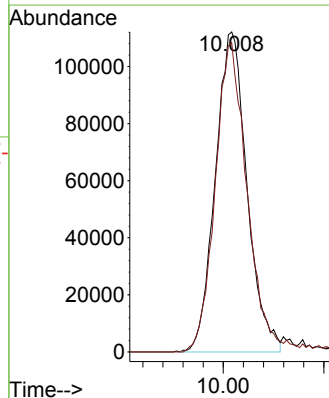
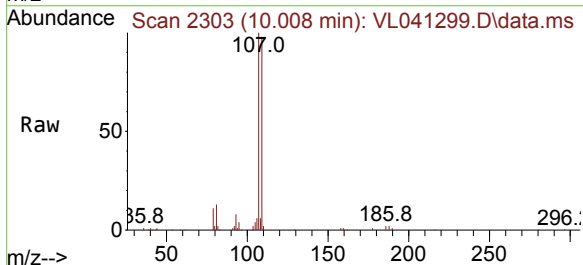
Instrument : MSVOA_L
ClientSampleId : VSTDIC002

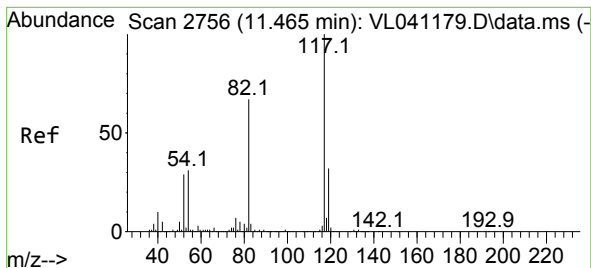
Tgt Ion: 91 Resp: 512726
Ion Ratio Lower Upper
91 100
92 61.6 48.2 72.4



#54
1,2-Dibromoethane
Concen: 2.115 ppbv
RT: 10.008 min Scan# 2303
Delta R.T. -0.013 min
Lab File: VL041299.D
Acq: 4 Jun 2024 9:52

Tgt Ion: 107 Resp: 245326
Ion Ratio Lower Upper
107 100
109 96.6 75.2 112.8

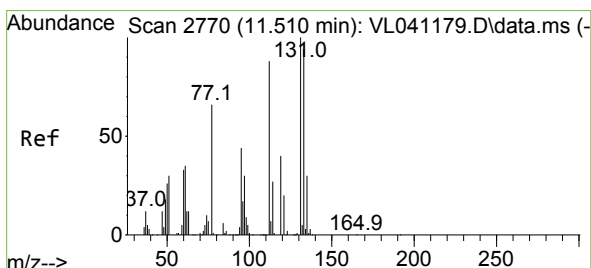
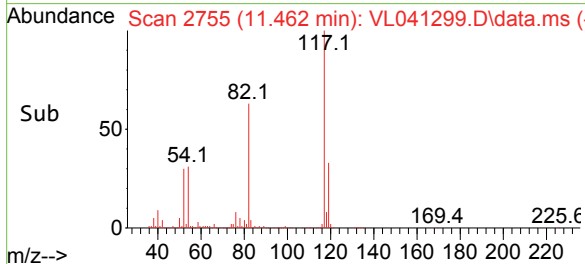
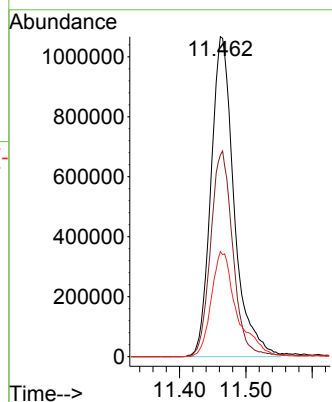
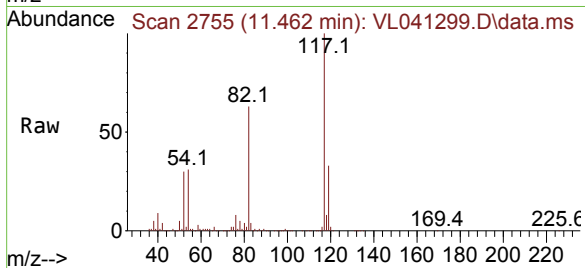




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 21
Delta R.T. -0.019 min
Lab File: VL041299.D
Acq: 4 Jun 2024 9:52

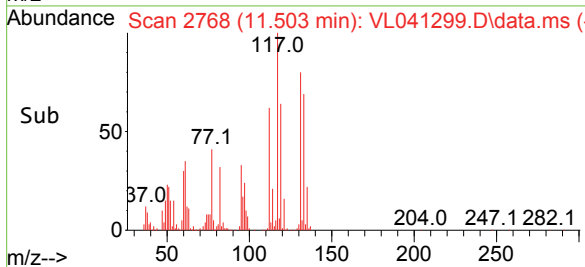
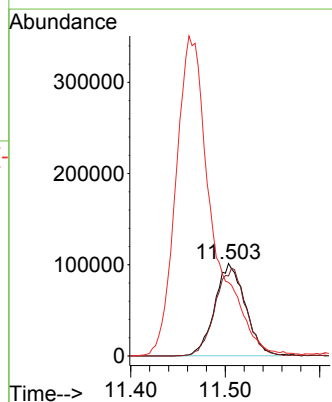
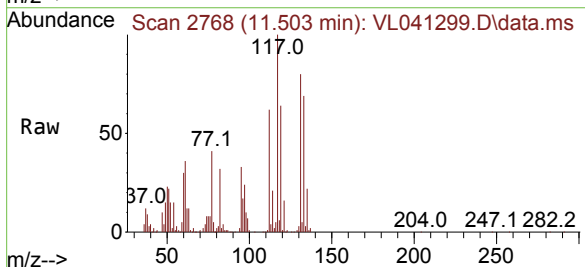
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

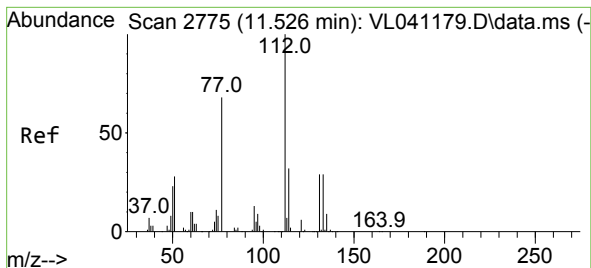
Tgt Ion:117 Resp: 2589868
Ion Ratio Lower Upper
117 100
82 62.6 53.6 80.4
119 36.4 27.2 40.8



#56
1,1,1,2-Tetrachloroethane
Concen: 2.151 ppbv
RT: 11.503 min Scan# 2768
Delta R.T. -0.019 min
Lab File: VL041299.D
Acq: 4 Jun 2024 9:52

Tgt Ion:131 Resp: 225920
Ion Ratio Lower Upper
131 100
133 97.3 76.3 114.5
119 420.7 49.4 74.2#





#57

Chlorobenzene

Concen: 2.119 ppbv

RT: 11.523 min Scan# 21

Delta R.T. -0.019 min

Lab File: VL041299.D

Acq: 4 Jun 2024 9:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

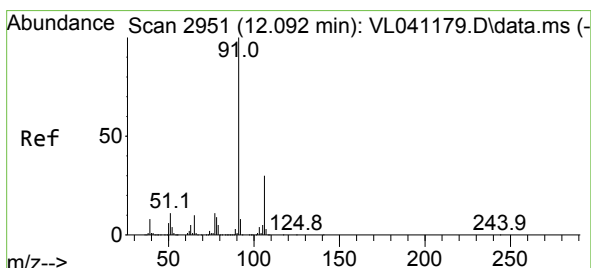
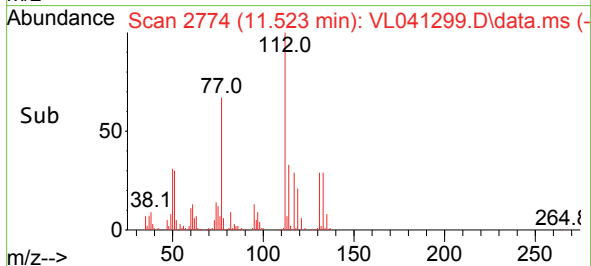
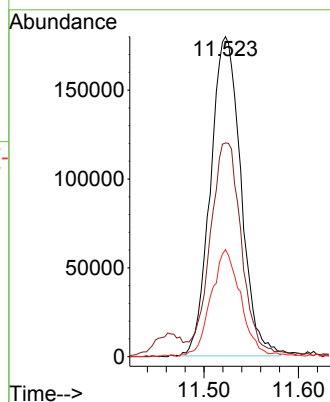
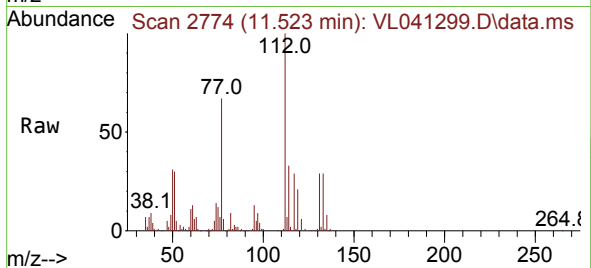
Tgt Ion:112 Resp: 401917

Ion Ratio Lower Upper

112 100

77 65.4 54.9 82.3

114 33.0 28.7 35.1



#58

Ethyl Benzene

Concen: 2.040 ppbv

RT: 12.085 min Scan# 2949

Delta R.T. -0.016 min

Lab File: VL041299.D

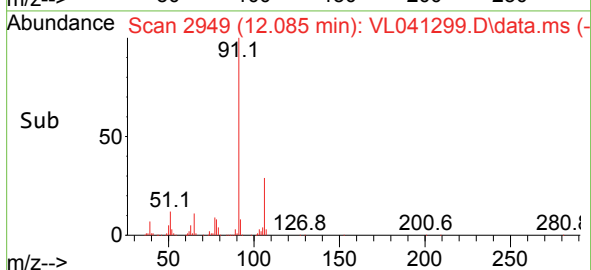
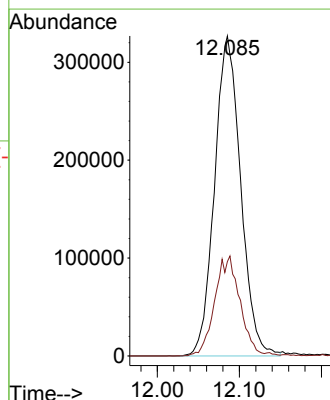
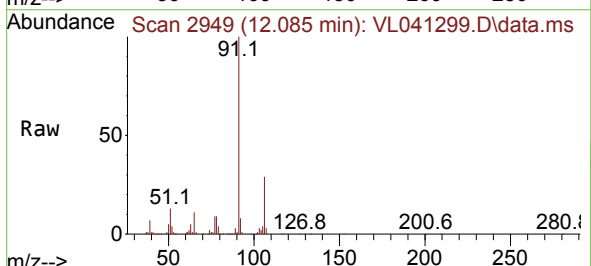
Acq: 4 Jun 2024 9:52

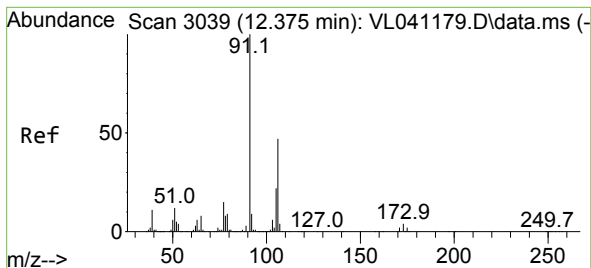
Tgt Ion: 91 Resp: 724448

Ion Ratio Lower Upper

91 100

106 29.4 24.3 36.5

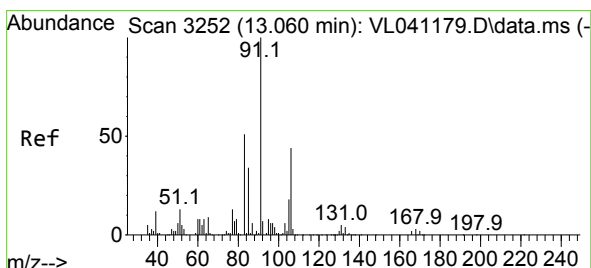
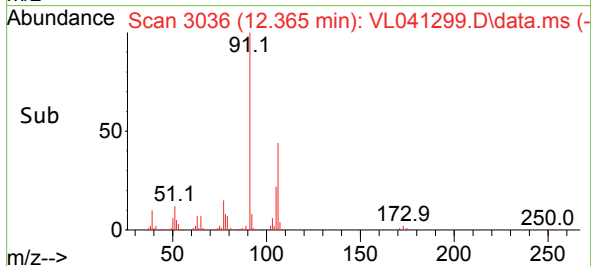
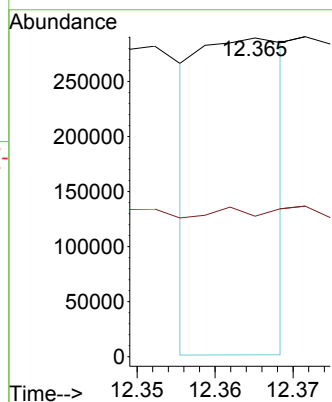
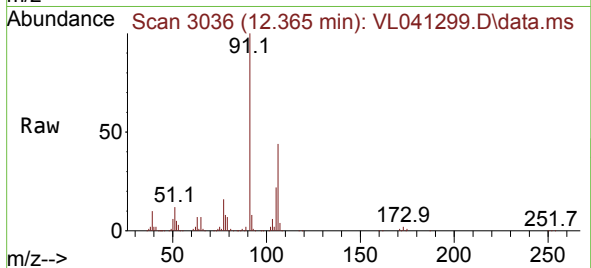




#59
m/p-Xylene
Concen: 0.734 ppbv
RT: 12.365 min Scan# 3036
Delta R.T. -0.019 min
Lab File: VL041299.D
Acq: 4 Jun 2024 9:52

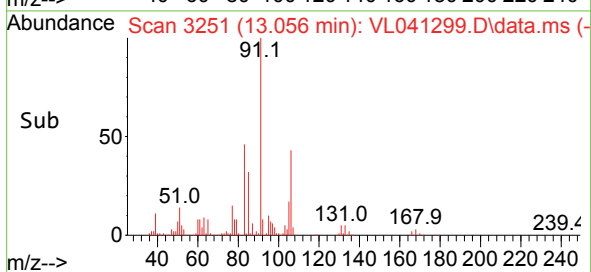
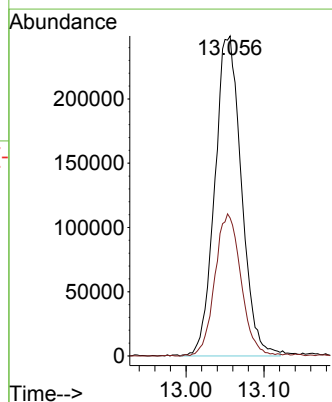
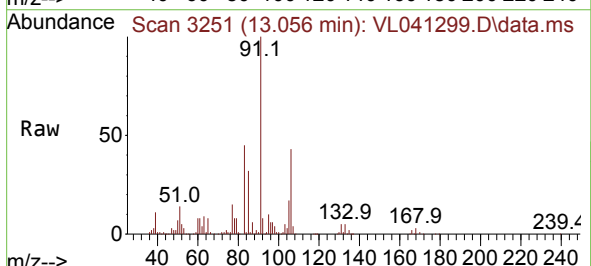
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

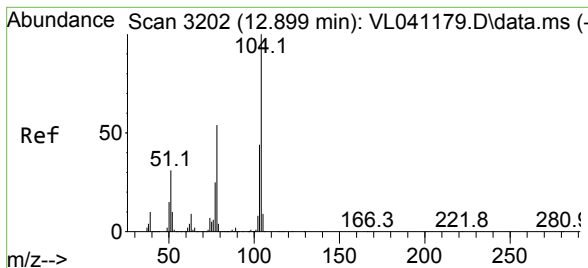
Tgt Ion: 91 Resp: 219087
Ion Ratio Lower Upper
91 100
106 0.0 35.7 53.5#



#60
o-Xylene
Concen: 2.112 ppbv
RT: 13.056 min Scan# 3251
Delta R.T. -0.013 min
Lab File: VL041299.D
Acq: 4 Jun 2024 9:52

Tgt Ion: 91 Resp: 590989
Ion Ratio Lower Upper
91 100
106 44.0 22.4 67.3





#61

Styrene

Concen: 0.933 ppbv

RT: 12.889 min Scan# 3199

Delta R.T. -0.019 min

Lab File: VL041299.D

Acq: 4 Jun 2024 9:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

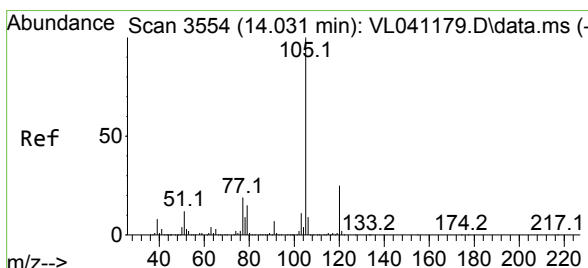
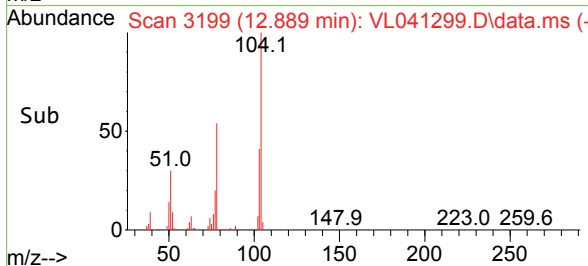
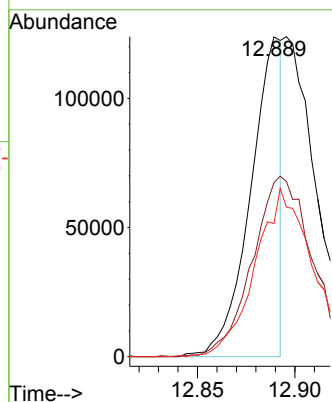
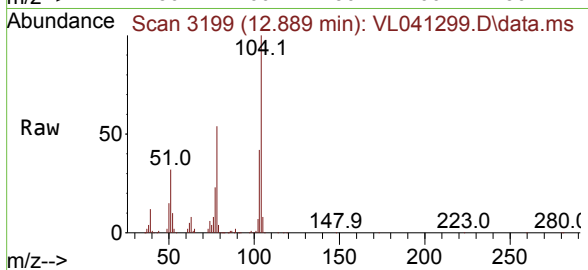
Tgt Ion:104 Resp: 137834

Ion Ratio Lower Upper

104 100

78 0.0 42.6 63.8#

103 0.0 38.4 57.6#



#62

Isopropylbenzene

Concen: 2.147 ppbv

RT: 14.024 min Scan# 3552

Delta R.T. -0.019 min

Lab File: VL041299.D

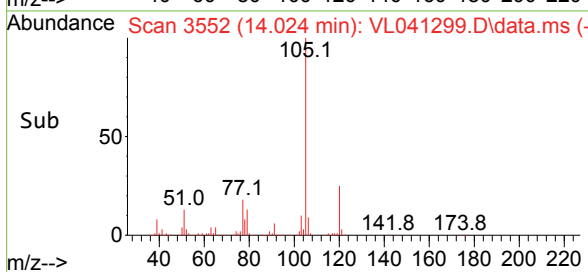
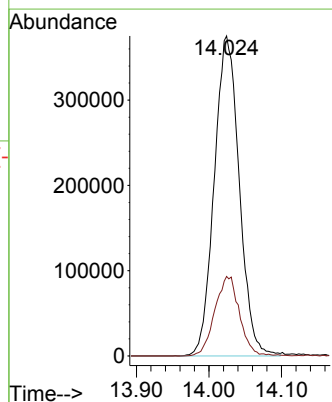
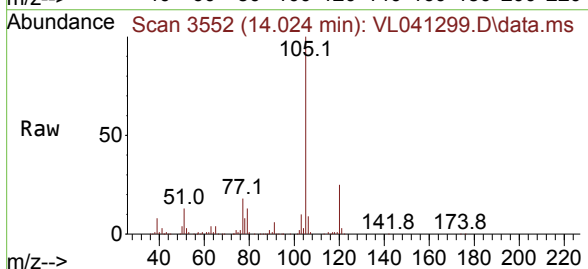
Acq: 4 Jun 2024 9:52

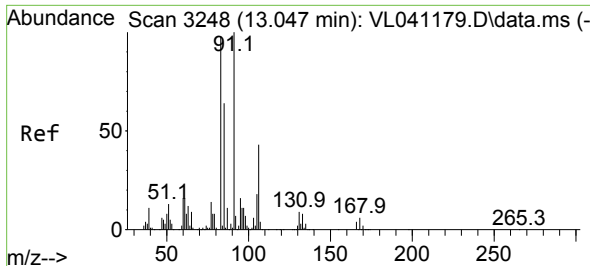
Tgt Ion:105 Resp: 898675

Ion Ratio Lower Upper

105 100

120 24.6 20.2 30.2

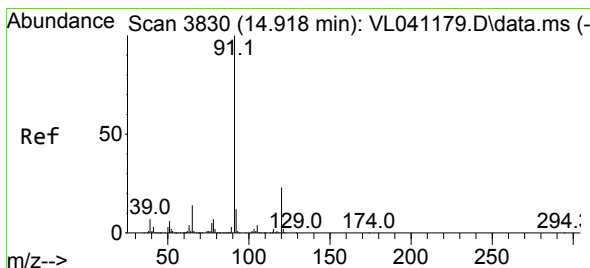
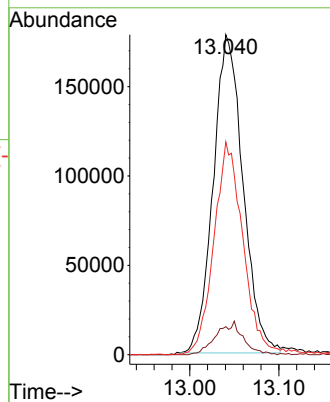
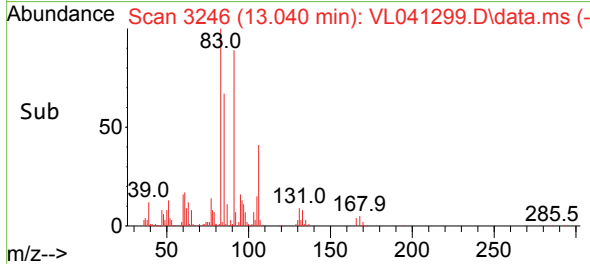
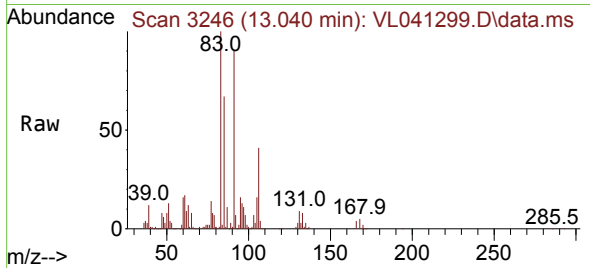




#63
1,1,2,2-Tetrachloroethane
Concen: 2.169 ppbv
RT: 13.040 min Scan# 31
Delta R.T. -0.019 min
Lab File: VL041299.D
Acq: 4 Jun 2024 9:52

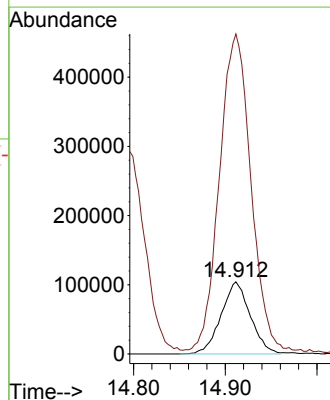
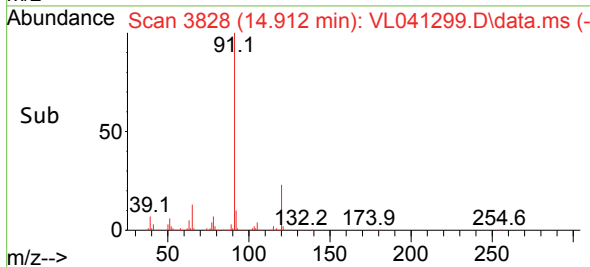
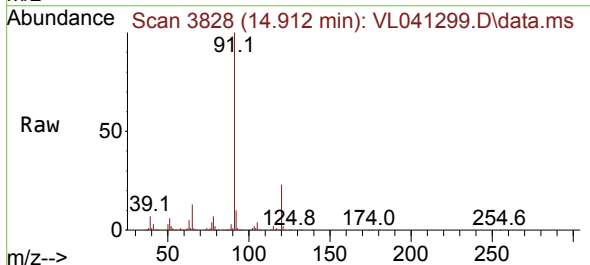
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

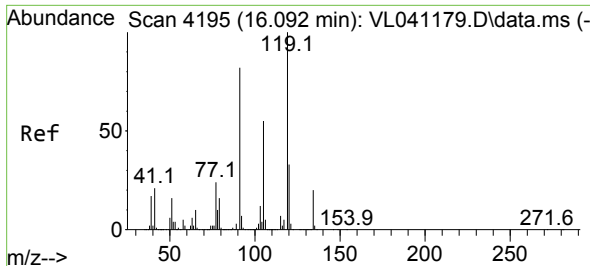
Tgt Ion: 83 Resp: 413588
Ion Ratio Lower Upper
83 100
131 9.6 4.5 13.5
85 66.3 32.7 98.1



#64
n-propylbenzene
Concen: 2.205 ppbv
RT: 14.912 min Scan# 3828
Delta R.T. -0.019 min
Lab File: VL041299.D
Acq: 4 Jun 2024 9:52

Tgt Ion: 120 Resp: 230160
Ion Ratio Lower Upper
120 100
91 486.3 384.8 577.2

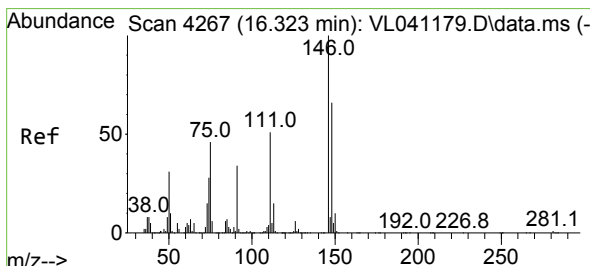
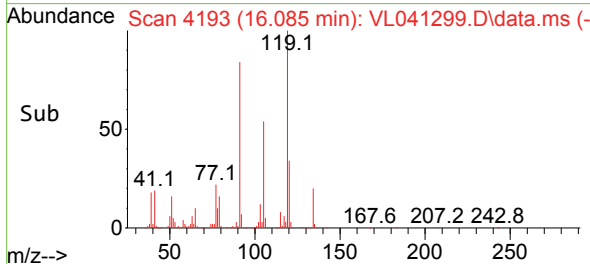
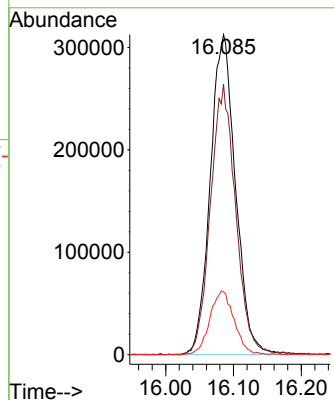
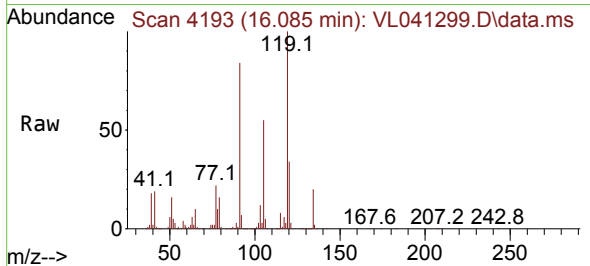




#65
tert-Butylbenzene
Concen: 2.156 ppbv
RT: 16.085 min Scan# 4193
Delta R.T. -0.016 min
Lab File: VL041299.D
Acq: 4 Jun 2024 9:52

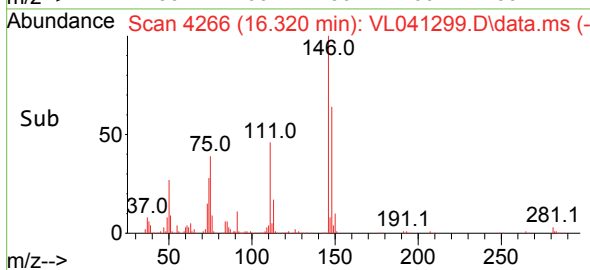
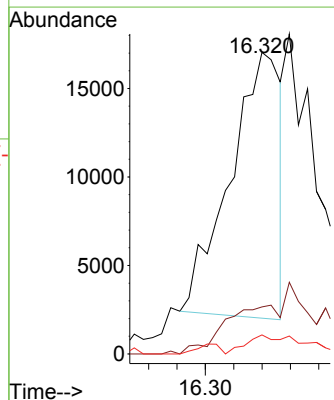
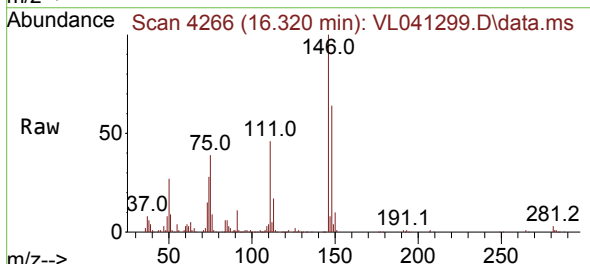
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

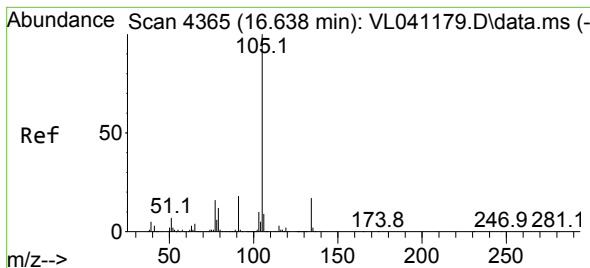
Tgt Ion:119 Resp: 808022
Ion Ratio Lower Upper
119 100
91 84.8 67.0 100.4
134 19.4 15.2 22.8



#66
Benzyl Chloride
Concen: 0.437 ppbv
RT: 16.320 min Scan# 4266
Delta R.T. -0.026 min
Lab File: VL041299.D
Acq: 4 Jun 2024 9:52

Tgt Ion: 91 Resp: 18545
Ion Ratio Lower Upper
91 100
126 0.0 14.6 21.8#
128 13.0 4.7 7.1#

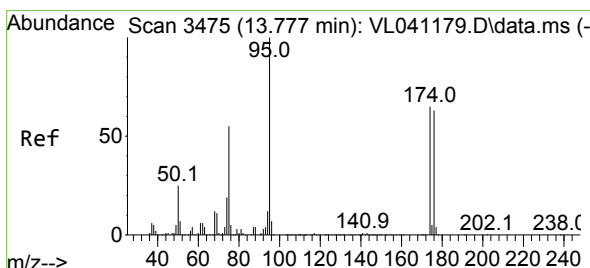
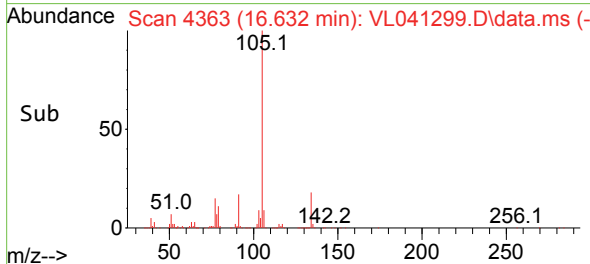
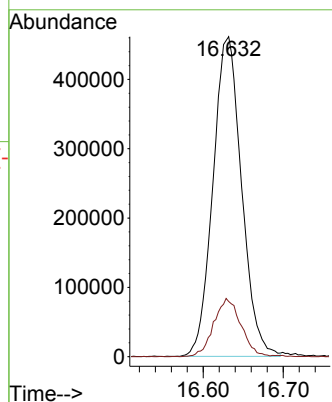
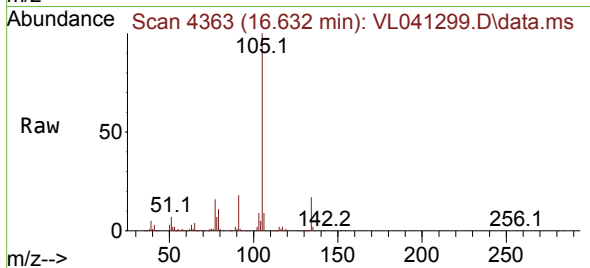




#67
 sec-Butylbenzene
 Concen: 2.168 ppbv
 RT: 16.632 min Scan# 41
 Delta R.T. -0.016 min
 Lab File: VL041299.D
 Acq: 4 Jun 2024 9:52

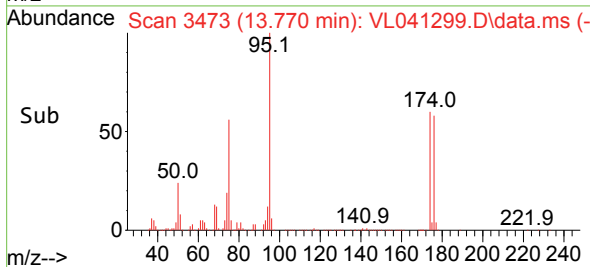
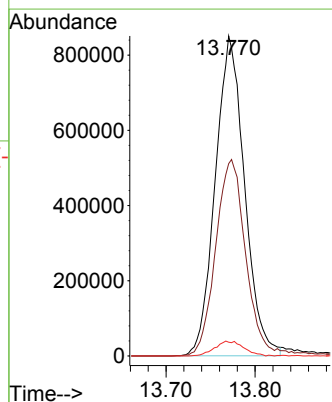
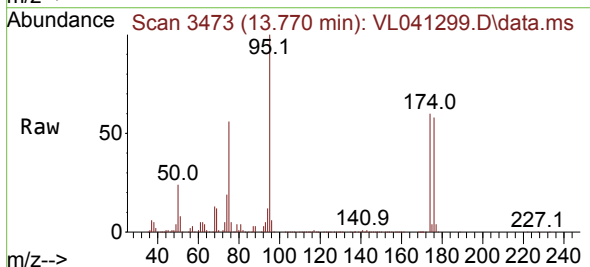
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

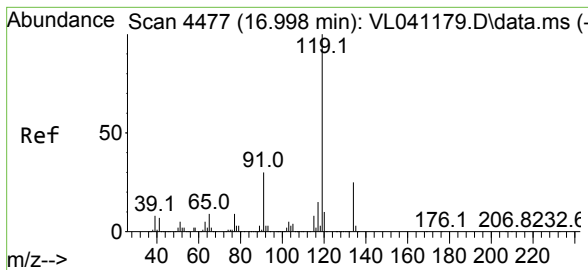
Tgt Ion:105 Resp: 1143855
 Ion Ratio Lower Upper
 105 100
 134 17.5 13.8 20.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.926 ppbv
 RT: 13.770 min Scan# 3473
 Delta R.T. -0.016 min
 Lab File: VL041299.D
 Acq: 4 Jun 2024 9:52

Tgt Ion: 95 Resp: 1940680
 Ion Ratio Lower Upper
 95 100
 174 64.7 53.6 80.4
 175 4.7 4.2 6.4

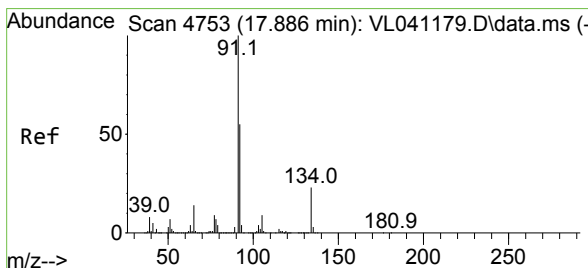
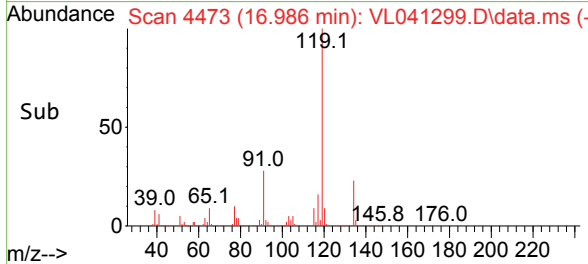
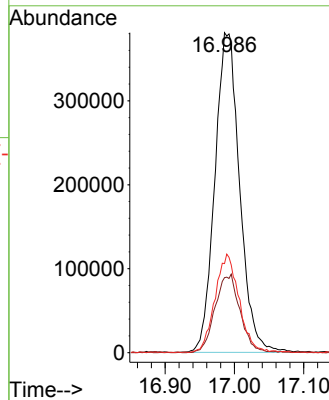
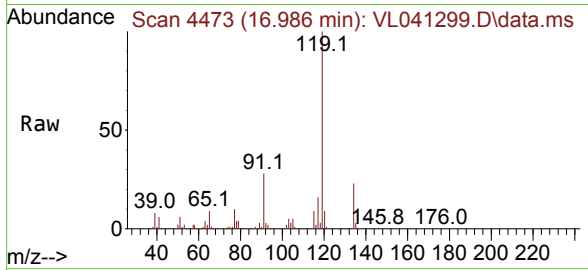




#69
p-Isopropyltoluene
Concen: 2.171 ppbv
RT: 16.986 min Scan# 4477
Delta R.T. -0.022 min
Lab File: VL041299.D
Acq: 4 Jun 2024 9:52

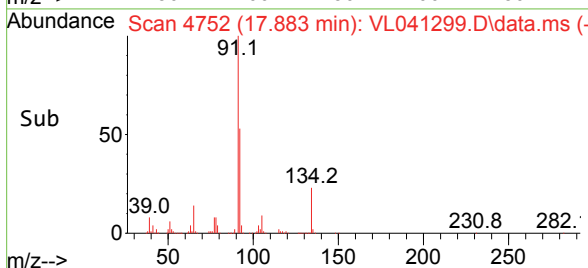
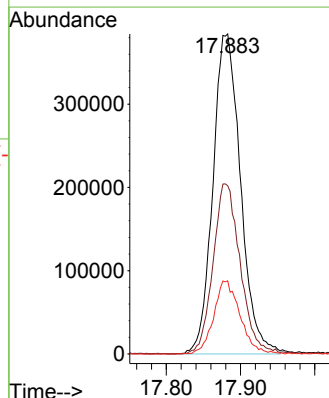
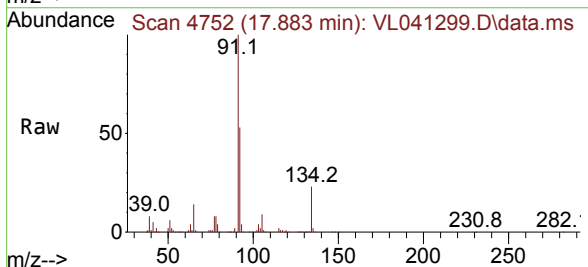
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

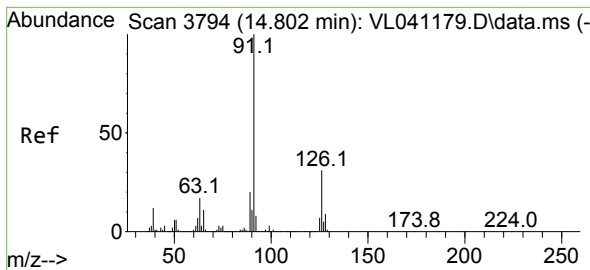
Tgt Ion:119 Resp: 943903
Ion Ratio Lower Upper
119 100
134 24.9 20.1 30.1
91 30.5 24.2 36.2



#70
n-Butylbenzene
Concen: 2.187 ppbv
RT: 17.883 min Scan# 4752
Delta R.T. -0.016 min
Lab File: VL041299.D
Acq: 4 Jun 2024 9:52

Tgt Ion: 91 Resp: 993263
Ion Ratio Lower Upper
91 100
92 52.8 43.3 64.9
134 22.0 17.8 26.8

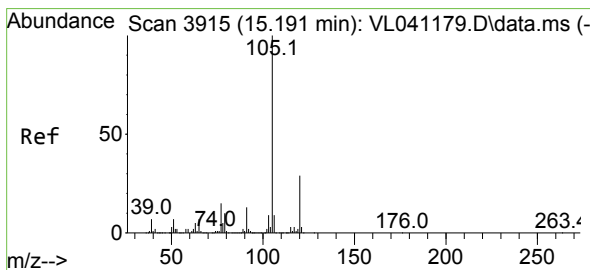
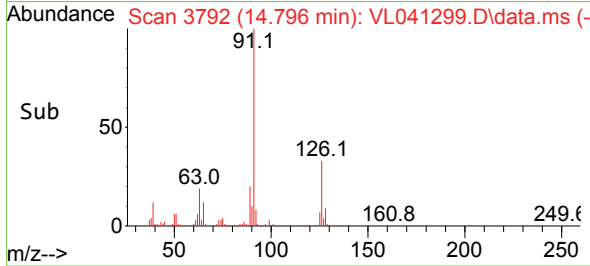
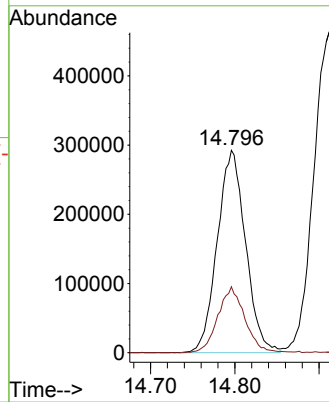
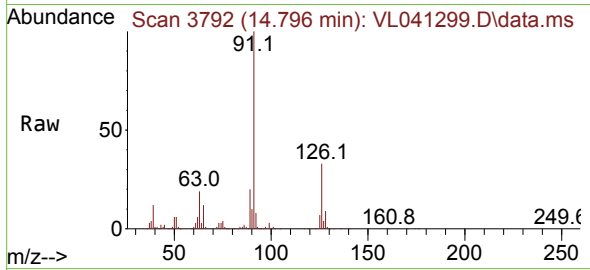




#71
2-Chlorotoluene
Concen: 2.138 ppbv
RT: 14.796 min Scan# 31
Delta R.T. -0.016 min
Lab File: VL041299.D
Acq: 4 Jun 2024 9:52

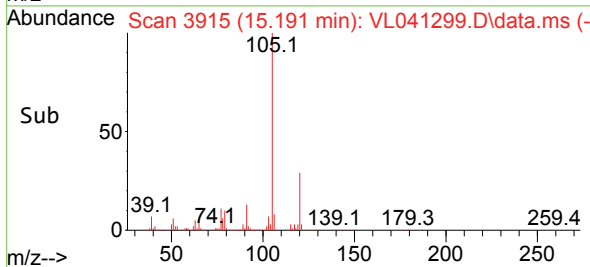
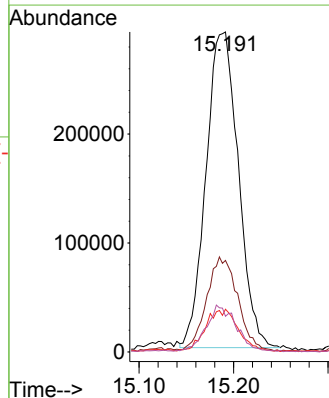
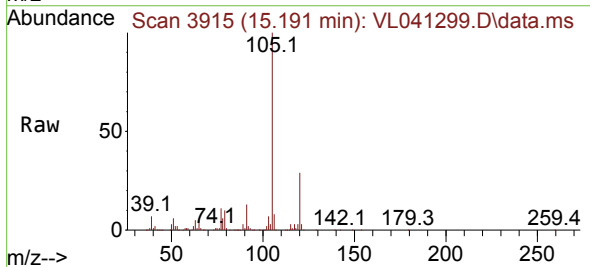
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

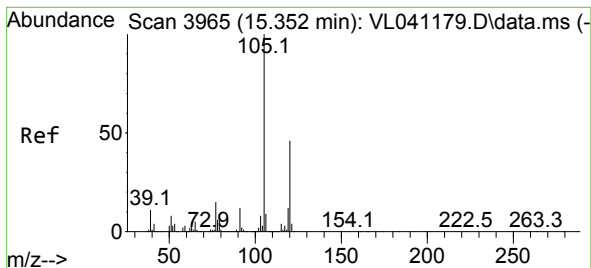
Tgt Ion: 91 Resp: 681241
Ion Ratio Lower Upper
91 100
126 30.9 12.2 48.8



#72
4-Ethyltoluene
Concen: 2.174 ppbv
RT: 15.191 min Scan# 3915
Delta R.T. -0.016 min
Lab File: VL041299.D
Acq: 4 Jun 2024 9:52

Tgt Ion: 105 Resp: 688843
Ion Ratio Lower Upper
105 100
120 29.8 24.7 37.1
91 13.4 10.3 15.5
77 14.7 11.4 17.0





#73

1,3,5-Trimethylbenzene

Concen: 2.143 ppbv

RT: 15.342 min Scan# 3965

Delta R.T. -0.022 min

Lab File: VL041299.D

Acq: 4 Jun 2024 9:52

Instrument :

MSVOA_L

ClientSampleId :

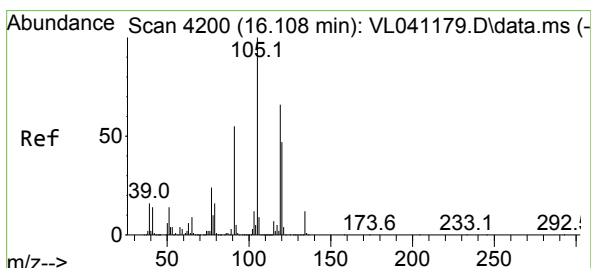
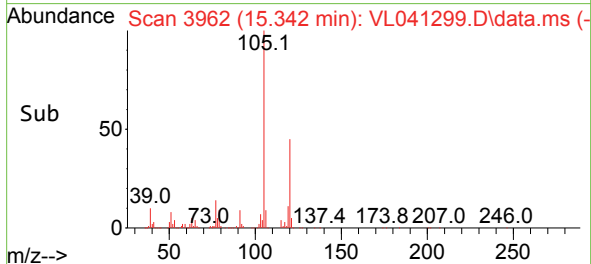
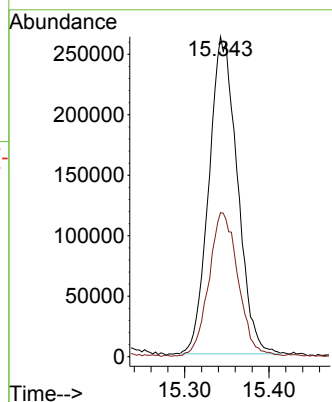
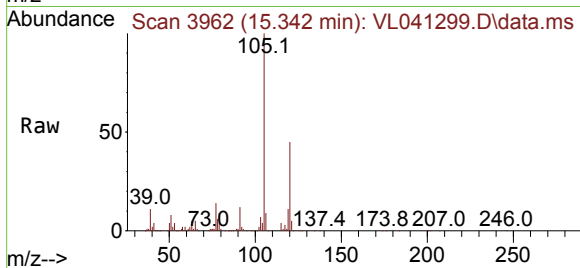
VSTDIC002

Tgt Ion:105 Resp: 614380

Ion Ratio Lower Upper

105 100

120 45.0 37.0 55.4



#74

1,2,4-Trimethylbenzene

Concen: 2.168 ppbv

RT: 16.101 min Scan# 4198

Delta R.T. -0.019 min

Lab File: VL041299.D

Acq: 4 Jun 2024 9:52

Tgt Ion:105 Resp: 679045

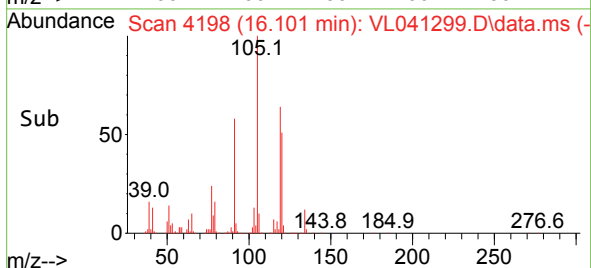
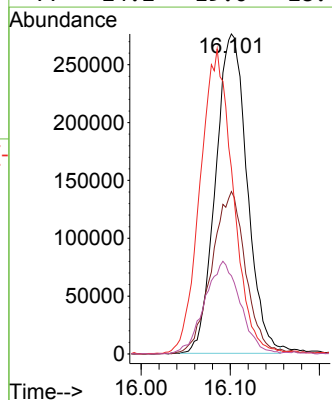
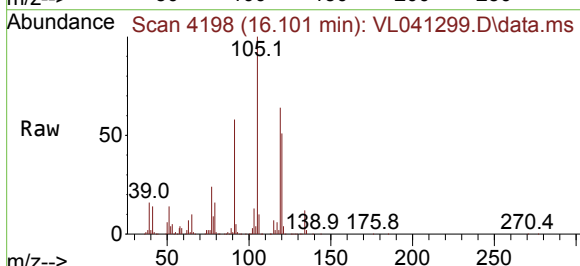
Ion Ratio Lower Upper

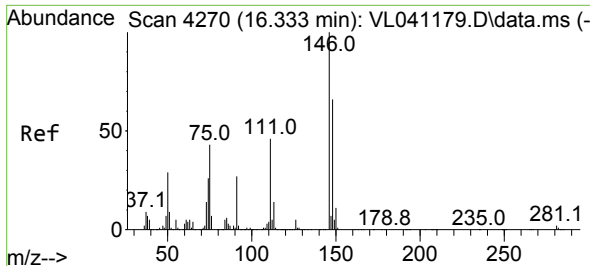
105 100

120 50.2 37.8 56.6

91 57.1 44.3 66.5

77 24.2 19.0 28.4

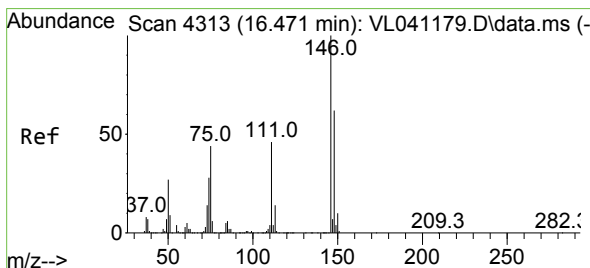
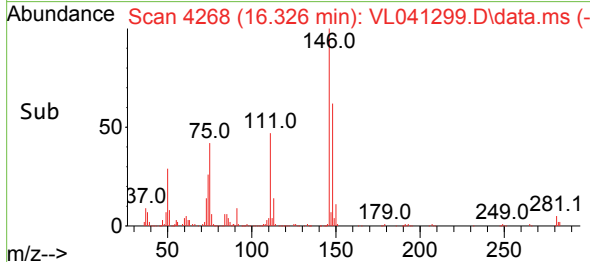
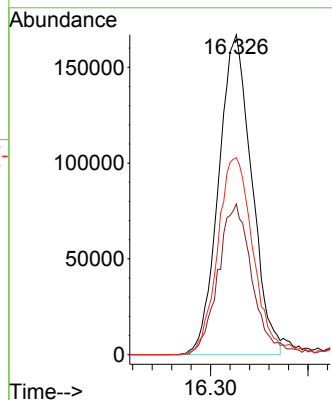
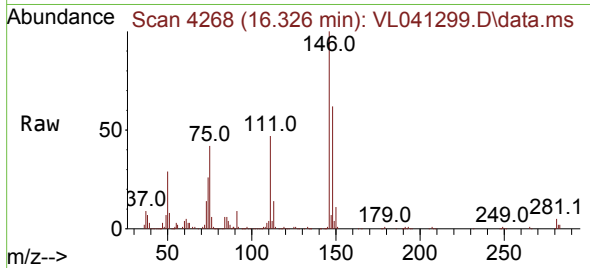




#75
1,3-Dichlorobenzene
Concen: 2.192 ppbv
RT: 16.326 min Scan# 4312
Delta R.T. -0.016 min
Lab File: VL041299.D
Acq: 4 Jun 2024 9:52

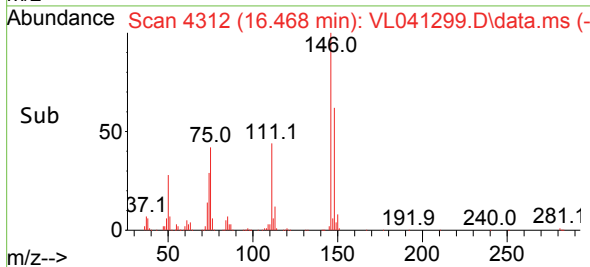
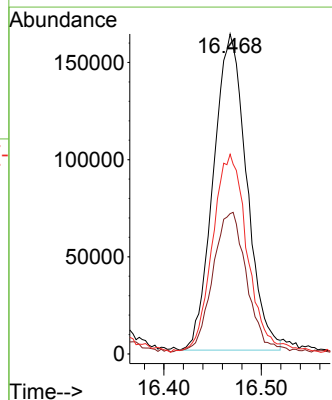
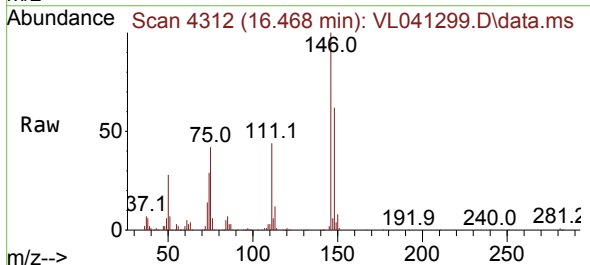
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

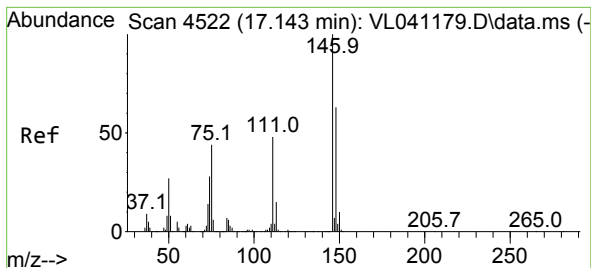
Tgt Ion:146 Resp: 393551
Ion Ratio Lower Upper
146 100
111 48.7 23.7 71.1
148 67.1 32.5 97.4



#76
1,4-Dichlorobenzene
Concen: 2.232 ppbv
RT: 16.468 min Scan# 4312
Delta R.T. -0.016 min
Lab File: VL041299.D
Acq: 4 Jun 2024 9:52

Tgt Ion:146 Resp: 385424
Ion Ratio Lower Upper
146 100
111 47.9 23.3 69.8
148 67.2 32.6 97.7





#77

1,2-Dichlorobenzene

Concen: 2.188 ppbv

RT: 17.137 min Scan# 4522

Delta R.T. -0.022 min

Lab File: VL041299.D

Acq: 4 Jun 2024 9:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

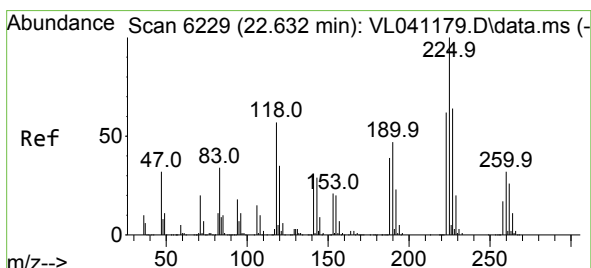
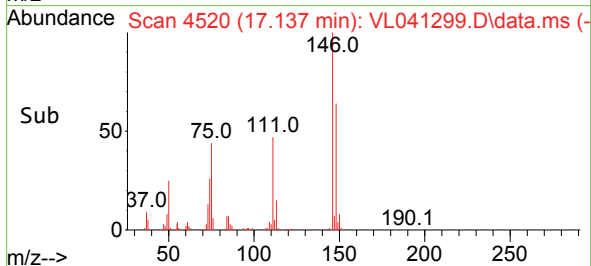
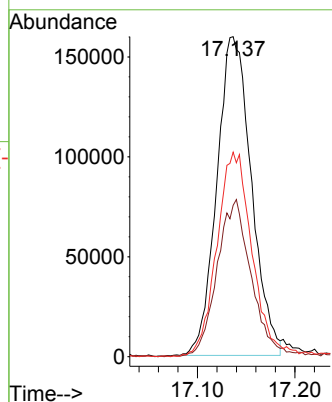
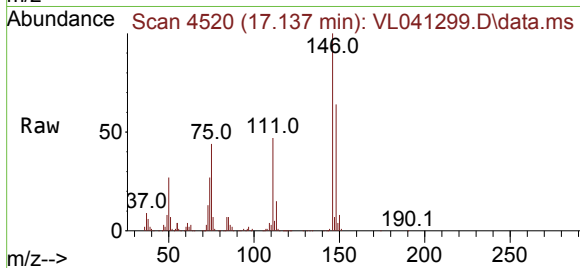
Tgt Ion:146 Resp: 392810

Ion Ratio Lower Upper

146 100

111 49.7 24.5 73.5

148 66.0 32.6 98.0



#78

Hexachloro-1,3-Butadiene

Concen: 0.934 ppbv

RT: 22.619 min Scan# 6225

Delta R.T. -0.029 min

Lab File: VL041299.D

Acq: 4 Jun 2024 9:52

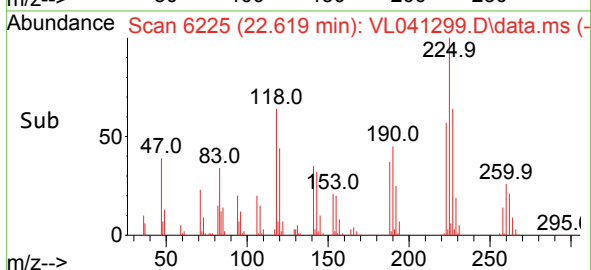
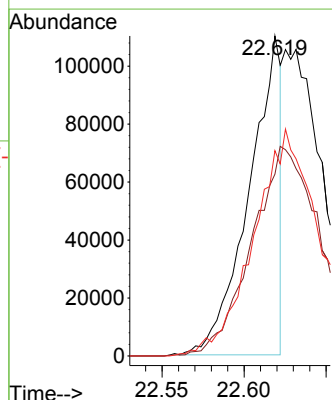
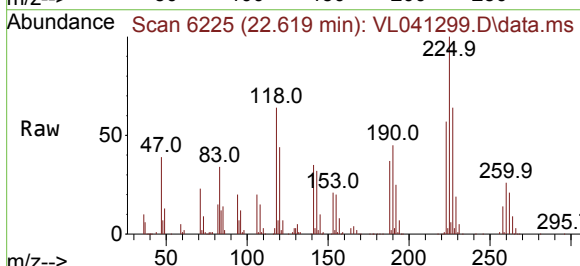
Tgt Ion:225 Resp: 148991

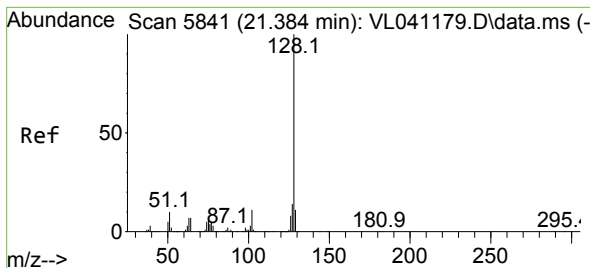
Ion Ratio Lower Upper

225 100

223 142.8 50.9 76.3#

227 146.0 52.0 78.0#





#79

Naphthalene

Concen: 2.297 ppbv

RT: 21.381 min Scan# 5841

Delta R.T. -0.019 min

Lab File: VL041299.D

Acq: 4 Jun 2024 9:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

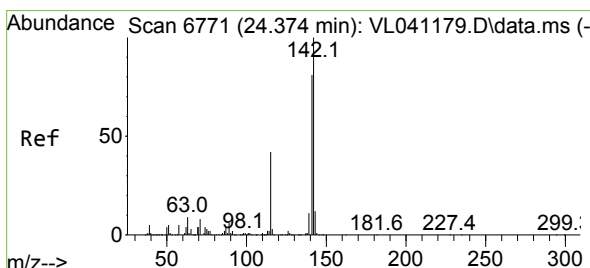
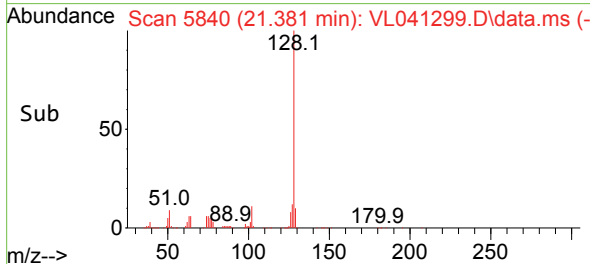
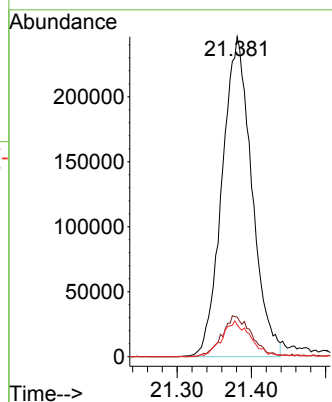
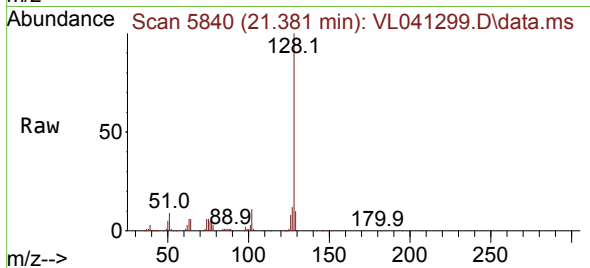
Tgt Ion:128 Resp: 684977

Ion Ratio Lower Upper

128 100

127 12.4 10.8 16.2

129 9.9 8.9 13.3



#80

Naphthalene,2-methyl-

Concen: 1.851 ppbv

RT: 24.368 min Scan# 6769

Delta R.T. -0.019 min

Lab File: VL041299.D

Acq: 4 Jun 2024 9:52

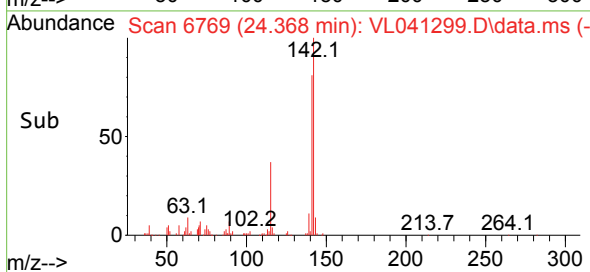
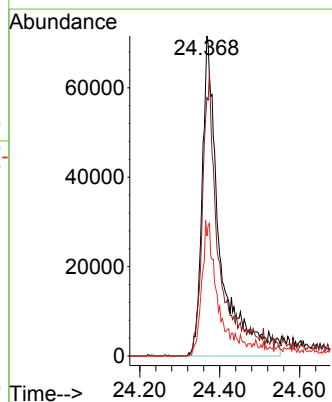
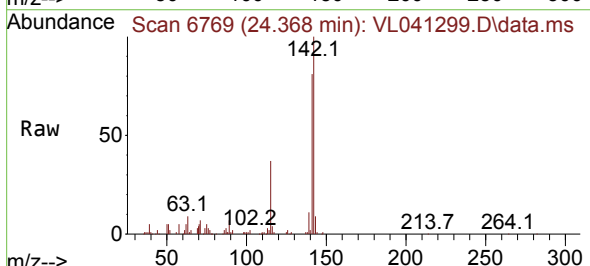
Tgt Ion:142 Resp: 222016

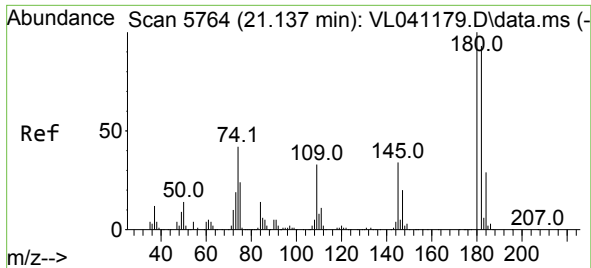
Ion Ratio Lower Upper

142 100

141 82.4 67.9 101.9

115 41.9 31.4 47.0





#81
 1,2,4-Trichlorobenzene
 Concen: 2.142 ppbv
 RT: 21.140 min Scan# 51
 Delta R.T. -0.013 min
 Lab File: VL041299.D
 Acq: 4 Jun 2024 9:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion:180 Resp: 337204
 Ion Ratio Lower Upper
 180 100
 182 98.0 77.2 115.8
 184 30.4 24.6 36.8

