

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052924\
 Data File : VX041668.D
 Acq On : 29 May 2024 11:52
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 30 07:29:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X052924W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 30 07:15:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	154419	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	229216	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	227656	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	118673	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83905	44.303	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	88.600%
35) Dibromofluoromethane	5.391	113	71717	45.253	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.500%
50) Toluene-d8	8.647	98	270937	48.928	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.860%
62) 4-Bromofluorobenzene	11.079	95	105608	51.673	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.340%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	647	0.477	ug/l	100
3) Chloromethane	1.294	50	791	0.534	ug/l	# 80
4) Vinyl Chloride	1.380	62	599	0.393	ug/l	# 82
5) Bromomethane	1.599	94	1079	1.017	ug/l	# 77
6) Chloroethane	1.685	64	732	0.795	ug/l	# 64
7) Trichlorofluoromethane	1.867	101	1083	0.435	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	657	0.466	ug/l	# 84
10) Methyl Iodide	2.447	142	1507	0.857	ug/l	# 36
11) Tert butyl alcohol	2.940	59	2488	7.426	ug/l	# 78
12) 1,1-Dichloroethene	2.313	96	793	0.576	ug/l	# 64
13) Acrolein	2.239	56	912	2.923	ug/l	94
14) Allyl chloride	2.660	41	810	0.358	ug/l	94
15) Acrylonitrile	3.081	53	1939	2.360	ug/l	98
16) Acetone	2.392	43	3083	1.019	ug/l	94
17) Carbon Disulfide	2.502	76	6117	2.009	ug/l	98
18) Methyl Acetate	2.703	43	937	0.518	ug/l	92
20) Methylene Chloride	2.788	84	1463	0.863	ug/l	87
21) trans-1,2-Dichloroethene	3.087	96	1418	0.993	ug/l	98
23) Vinyl Acetate	3.739	43	3811	0.917	ug/l	99
25) 2-Butanone	4.605	43	1956	1.662	ug/l	# 88
27) cis-1,2-Dichloroethene	4.489	96	897	0.525	ug/l	41
28) Bromochloromethane	4.910	49	361	0.320	ug/l	# 96
29) Tetrahydrofuran	5.044	42	1012	1.363	ug/l	# 61
30) Chloroform	5.093	83	601	0.219	ug/l	# 76
31) Cyclohexane	5.464	56	708	0.317	ug/l	# 81
36) 1,1-Dichloropropene	5.696	75	1441	0.751	ug/l	96
38) Carbon Tetrachloride	5.672	117	655	0.300	ug/l	# 71
39) Methylcyclohexane	7.385	83	915	0.388	ug/l	86
40) Benzene	6.044	78	1474	0.246	ug/l	# 82
42) 1,2-Dichloroethane	6.086	62	722	0.322	ug/l	# 77
44) Trichloroethene	7.135	130	1027	0.630	ug/l	84
46) Dibromomethane	7.598	93	454	0.415	ug/l	# 71
49) 1,4-Dioxane	7.684	88	135	3.519	ug/l	# 77
51) 4-Methyl-2-Pentanone	8.580	43	2057	0.868	ug/l	93
52) Toluene	8.720	92	1411	0.371	ug/l	98
53) t-1,3-Dichloropropene	8.994	75	774	0.388	ug/l	92

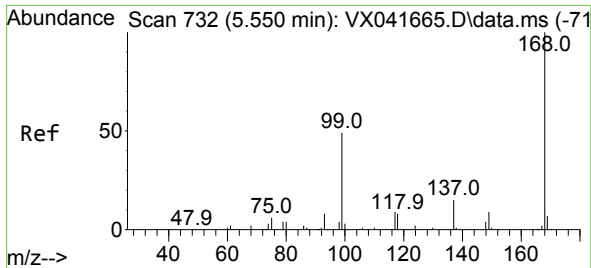
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052924\
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X052924W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 30 07:15:30 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) cis-1,3-Dichloropropene	8.379	75	632	0.287	ug/l #	87
57) 1,3-Dichloropropane	9.317	76	511	0.201	ug/l	91
58) 2-Chloroethyl Vinyl ether	8.269	63	899	0.815	ug/l #	88
59) 2-Hexanone	9.451	43	2126	1.176	ug/l	91
61) 1,2-Dibromoethane	9.610	107	511	0.316	ug/l	91
64) Tetrachloroethene	9.275	164	1212	0.710	ug/l #	74
65) Chlorobenzene	10.086	112	2145	0.439	ug/l	99
67) Ethyl Benzene	10.201	91	3131	0.402	ug/l	93
68) m/p-Xylenes	10.305	106	2962	0.956	ug/l	91
69) o-Xylene	10.640	106	950	0.308	ug/l	91
70) Styrene	10.659	104	2167	0.426	ug/l #	86
73) Isopropylbenzene	10.963	105	2774	0.377	ug/l	95
74) N-amyl acetate	10.848	43	742	0.228	ug/l #	67
76) 1,2,3-Trichloropropane	11.079	75	53871	25.544	ug/l #	39
77) Bromobenzene	11.201	156	1045	0.481	ug/l	79
78) n-propylbenzene	11.305	91	4544	0.562	ug/l	98
79) 2-Chlorotoluene	11.366	91	2950	0.568	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	2710	0.441	ug/l	91
81) trans-1,4-Dichloro-2-b...	11.079	75	53871	70.910	ug/l #	5
82) 4-Chlorotoluene	11.457	91	4394	0.743	ug/l	93
83) tert-Butylbenzene	11.713	119	2267	0.342	ug/l	93
84) 1,2,4-Trimethylbenzene	11.756	105	2735	0.439	ug/l	90
85) sec-Butylbenzene	11.890	105	3244	0.427	ug/l	99
86) p-Isopropyltoluene	12.012	119	3413	0.513	ug/l	89
87) 1,3-Dichlorobenzene	11.969	146	3325	0.857	ug/l	92
88) 1,4-Dichlorobenzene	11.969	146	3325	0.831	ug/l	92
89) n-Butylbenzene	12.335	91	3609	0.685	ug/l	94
90) Hexachloroethane	12.536	117	256	0.226	ug/l #	20
91) 1,2-Dichlorobenzene	12.341	146	2358	0.597	ug/l	90
92) 1,2-Dibromo-3-Chloropr...	12.945	75	204	0.387	ug/l	82
93) 1,2,4-Trichlorobenzene	13.591	180	3666	1.407	ug/l	95
94) Hexachlorobutadiene	13.725	225	892	0.691	ug/l	91
95) Naphthalene	13.780	128	12561	1.634	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	4210	1.570	ug/l	96

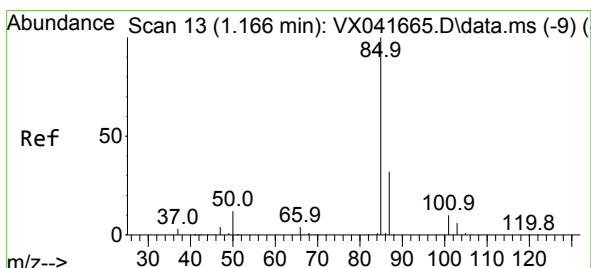
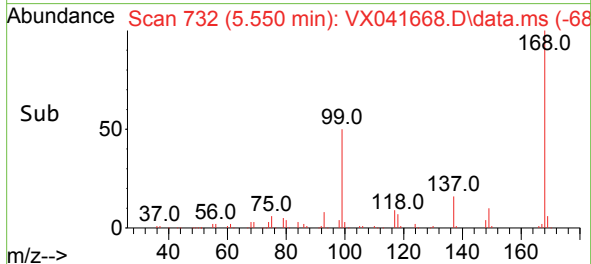
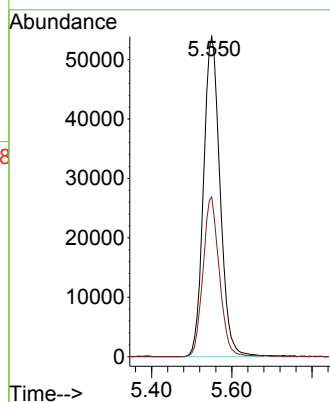
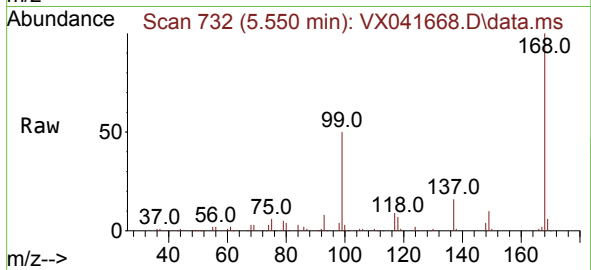
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
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Acq: 29 May 2024 11:52

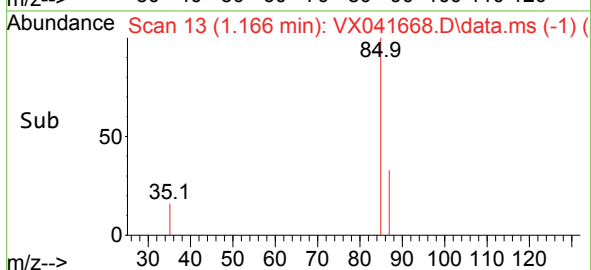
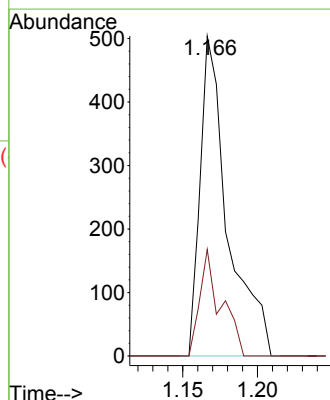
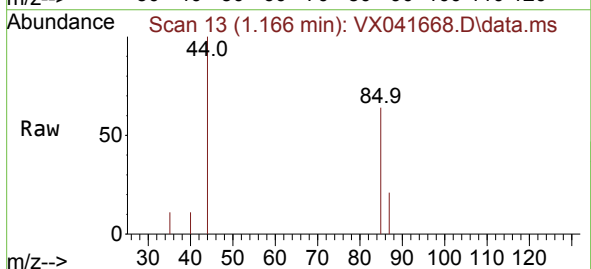
Instrument :
MSVOA_X
ClientSampleId :

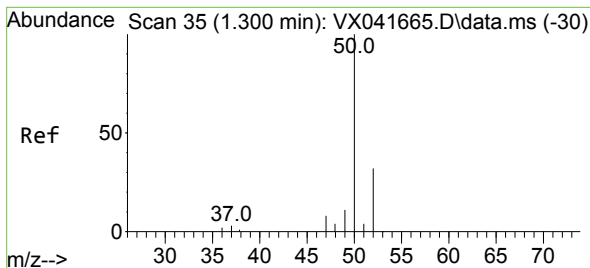
Tgt Ion:168 Resp: 154419
Ion Ratio Lower Upper
168 100
99 49.9 56.6 85.0#



#2
Dichlorodifluoromethane
Concen: 0.477 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX041668.D
Acq: 29 May 2024 11:52

Tgt Ion: 85 Resp: 647
Ion Ratio Lower Upper
85 100
87 33.3 16.7 50.1





#3

Chloromethane

Concen: 0.534 ug/l

RT: 1.294 min Scan# 34

Delta R.T. -0.006 min

Lab File: VX041668.D

Acq: 29 May 2024 11:52

Instrument :

MSVOA_X

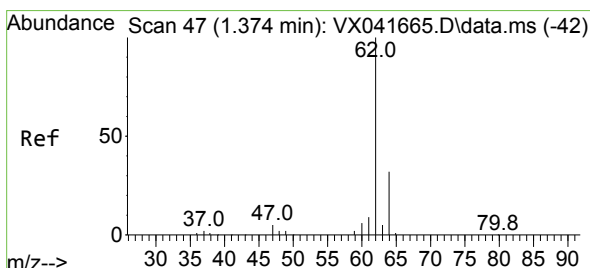
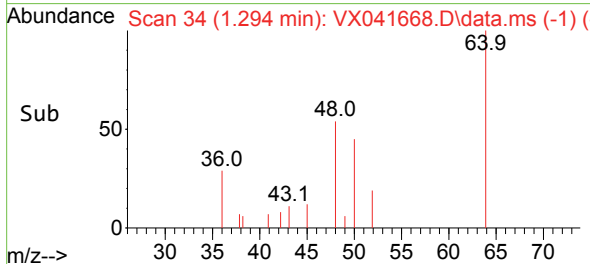
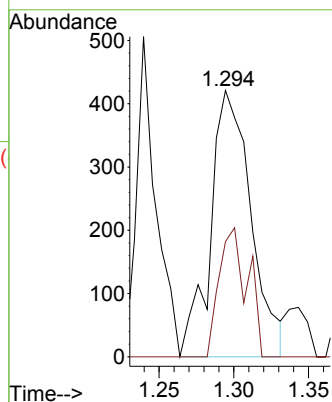
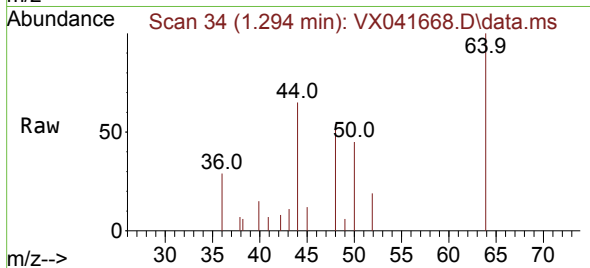
ClientSampleId :

Tgt Ion: 50 Resp: 791

Ion Ratio Lower Upper

50 100

52 43.2 25.5 38.3#



#4

Vinyl Chloride

Concen: 0.393 ug/l

RT: 1.380 min Scan# 48

Delta R.T. 0.006 min

Lab File: VX041668.D

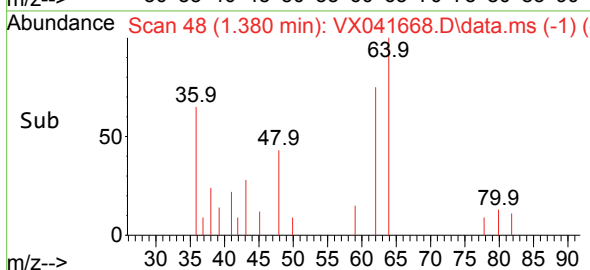
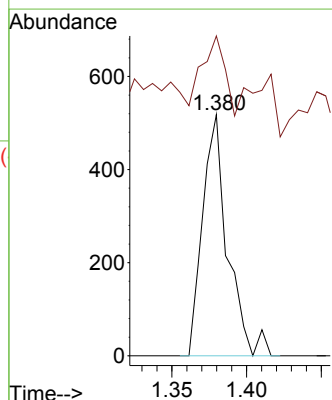
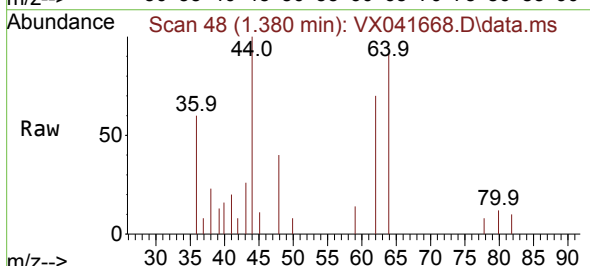
Acq: 29 May 2024 11:52

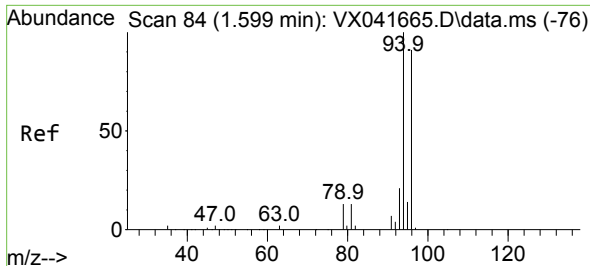
Tgt Ion: 62 Resp: 599

Ion Ratio Lower Upper

62 100

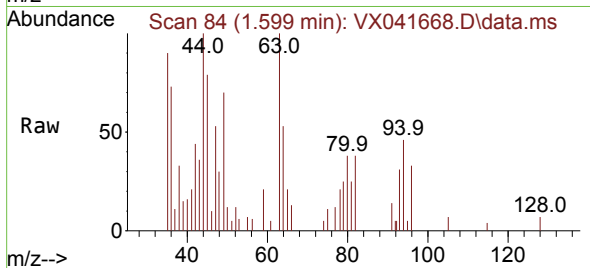
64 41.9 25.4 38.0#



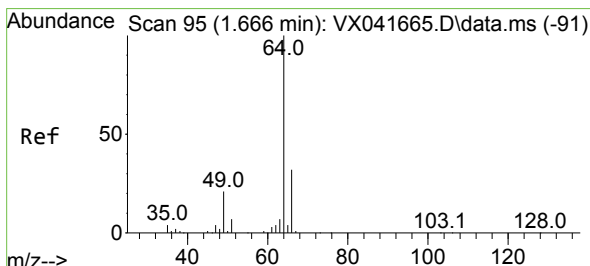
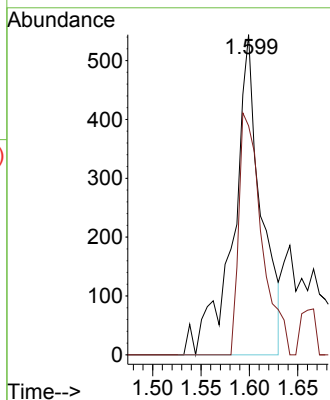
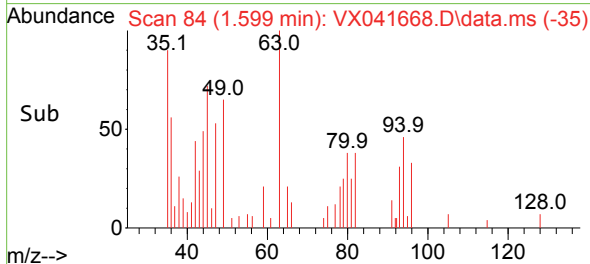


#5
Bromomethane
Concen: 1.017 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041668.D
Acq: 29 May 2024 11:52

Instrument :
MSVOA_X
ClientSampleId :

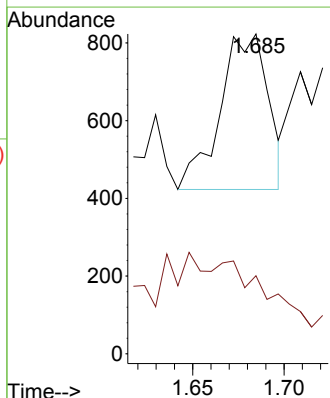
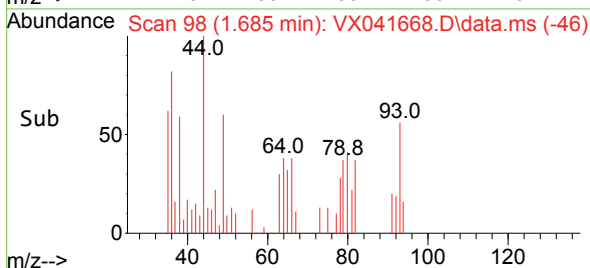
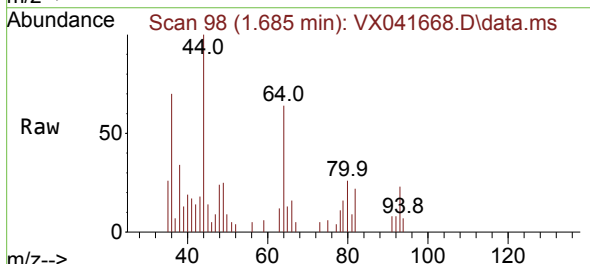


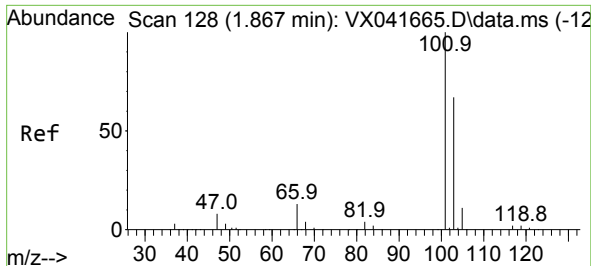
Tgt Ion: 94 Resp: 1079
Ion Ratio Lower Upper
94 100
96 71.5 74.6 111.8#



#6
Chloroethane
Concen: 0.795 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.018 min
Lab File: VX041668.D
Acq: 29 May 2024 11:52

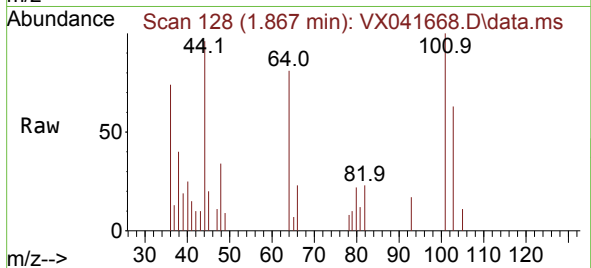
Tgt Ion: 64 Resp: 732
Ion Ratio Lower Upper
64 100
66 11.8 25.1 37.7#



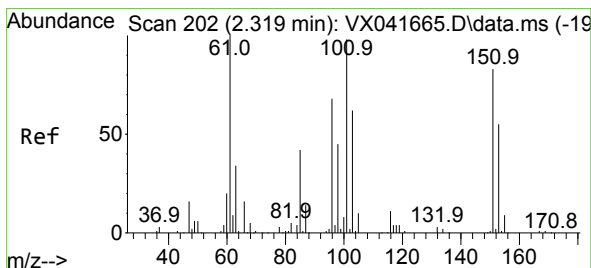
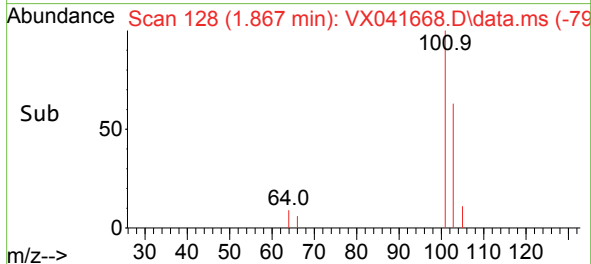
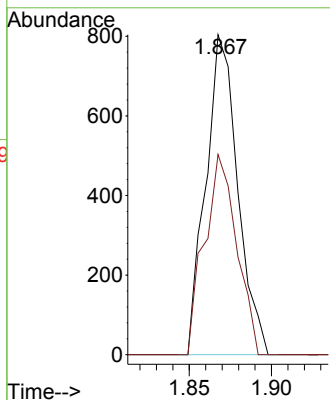


#7
Trichlorofluoromethane
Concen: 0.435 ug/l
RT: 1.867 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041668.D
Acq: 29 May 2024 11:52

Instrument :
MSVOA_X
ClientSampleId :

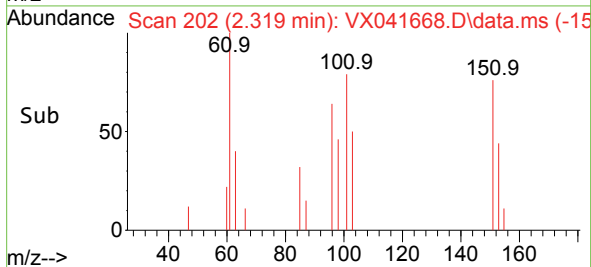
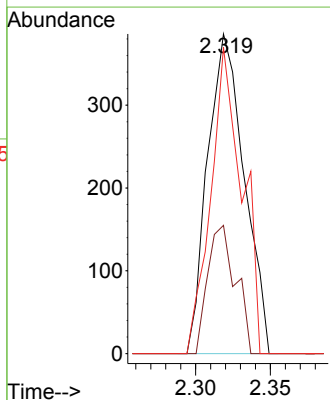
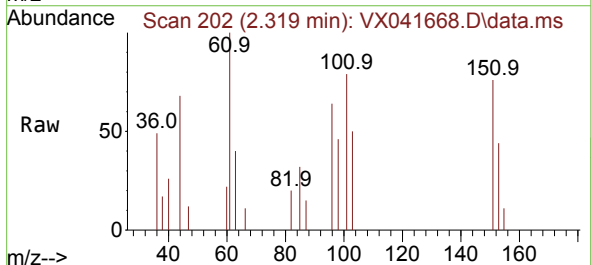


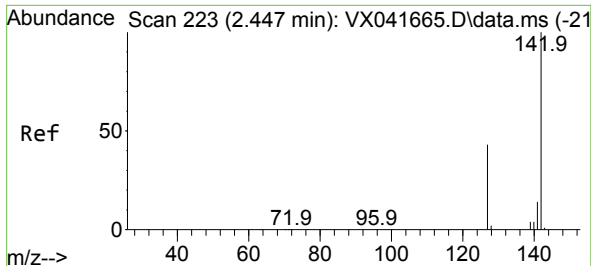
Tgt Ion:101 Resp: 1083
Ion Ratio Lower Upper
101 100
103 62.6 51.4 77.2



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.466 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX041668.D
Acq: 29 May 2024 11:52

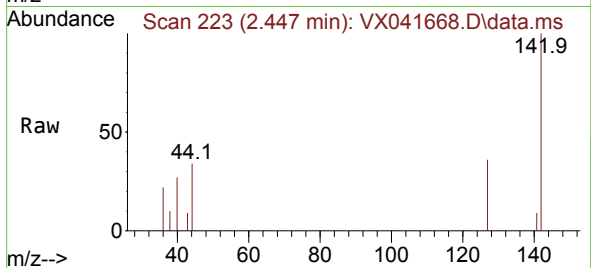
Tgt Ion:101 Resp: 657
Ion Ratio Lower Upper
101 100
85 30.6 37.0 55.6#
151 81.9 58.6 87.8



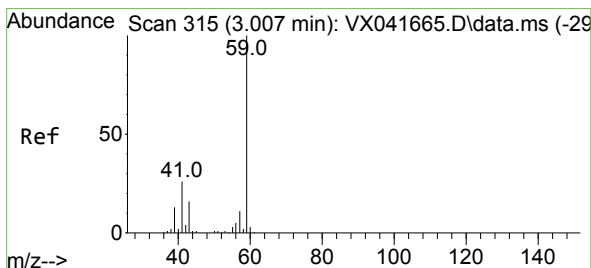
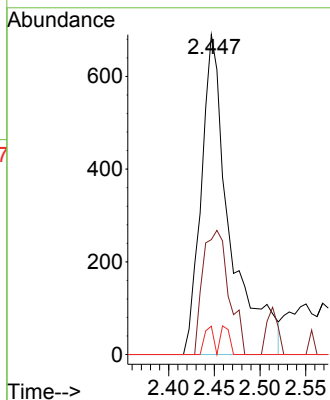
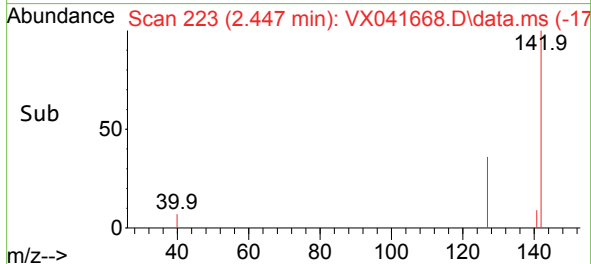


#10
Methyl Iodide
Concen: 0.857 ug/l
RT: 2.447 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX041668.D
Acq: 29 May 2024 11:52

Instrument :
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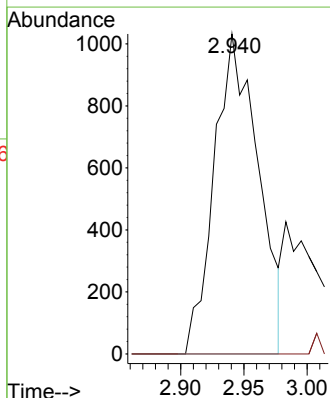
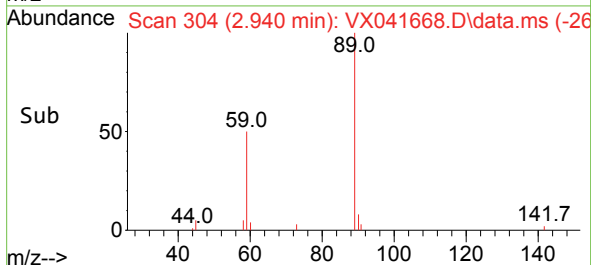
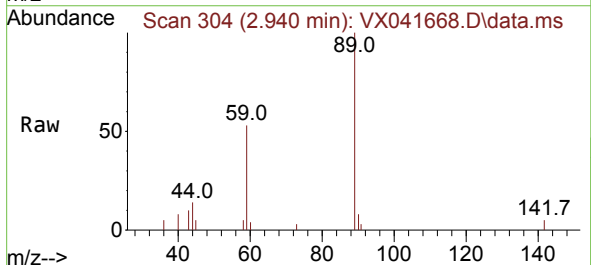


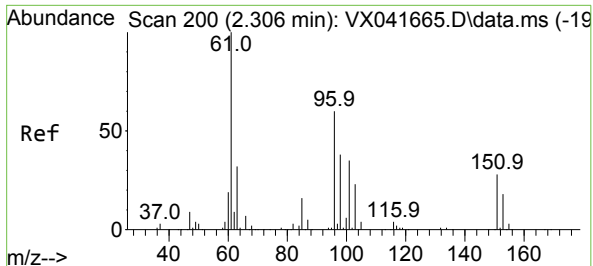
Tgt Ion:142 Resp: 1507
Ion Ratio Lower Upper
142 100
127 0.0 41.6 62.4#
141 2.7 11.6 17.4#



#11
Tert butyl alcohol
Concen: 7.426 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.067 min
Lab File: VX041668.D
Acq: 29 May 2024 11:52

Tgt Ion: 59 Resp: 2488
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#12

1,1-Dichloroethene

Concen: 0.576 ug/l

RT: 2.313 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX041668.D

Acq: 29 May 2024 11:52

Instrument :

MSVOA_X

ClientSampleId :

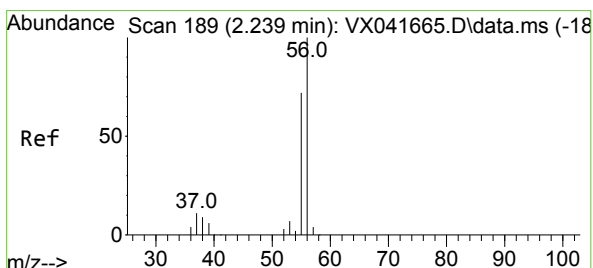
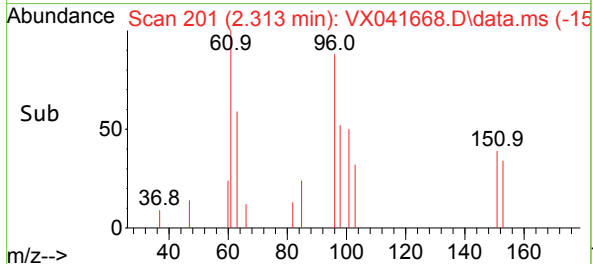
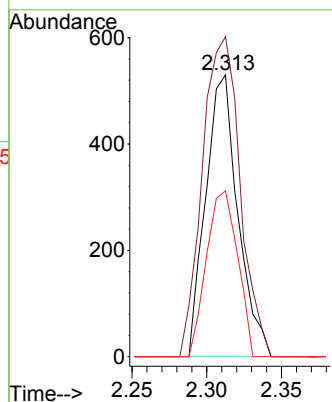
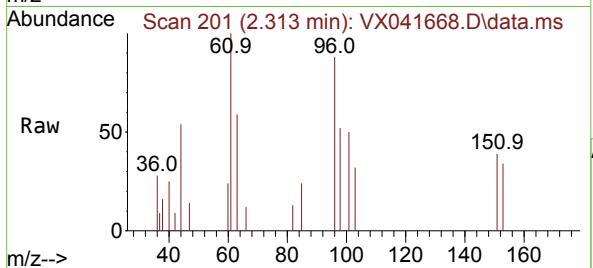
Tgt Ion: 96 Resp: 793

Ion Ratio Lower Upper

96 100

61 113.6 144.6 216.8#

98 58.9 50.4 75.6



#13

Acrolein

Concen: 2.923 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX041668.D

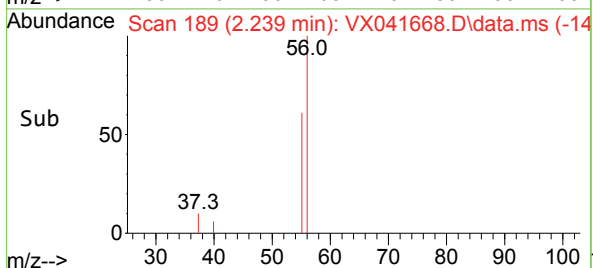
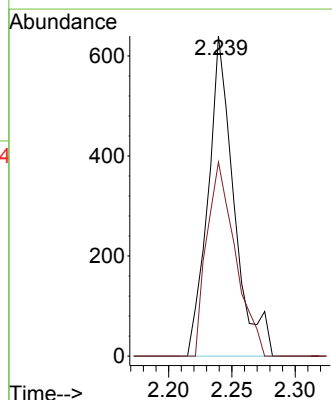
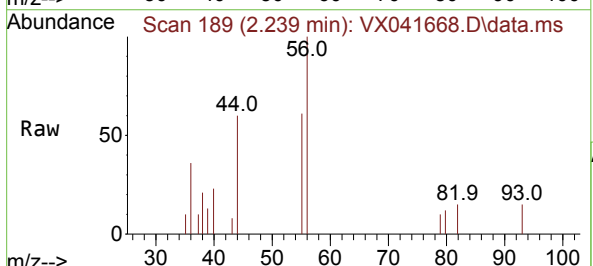
Acq: 29 May 2024 11:52

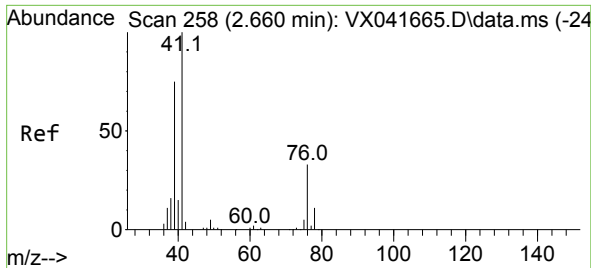
Tgt Ion: 56 Resp: 912

Ion Ratio Lower Upper

56 100

55 66.8 57.1 85.7

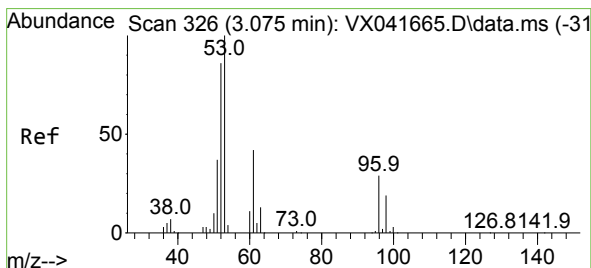
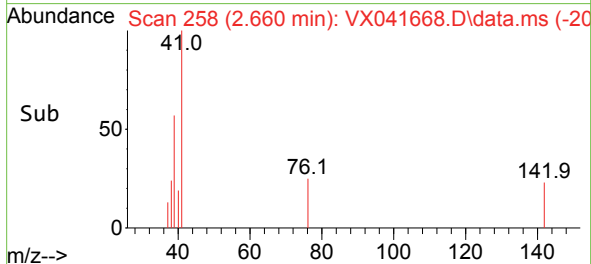
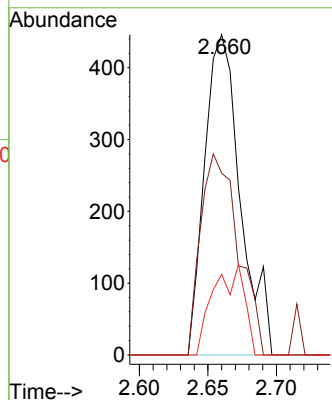
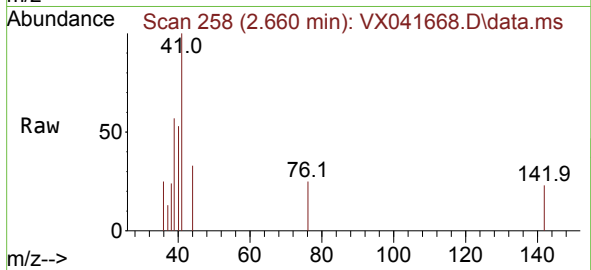




#14
Allyl chloride
Concen: 0.358 ug/l
RT: 2.660 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX041668.D
Acq: 29 May 2024 11:52

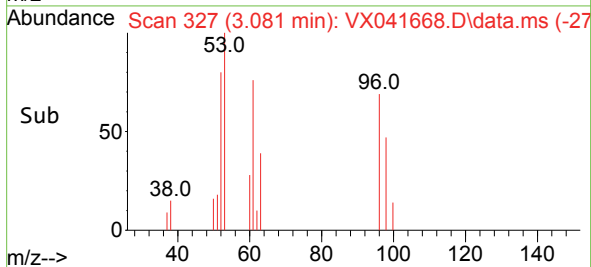
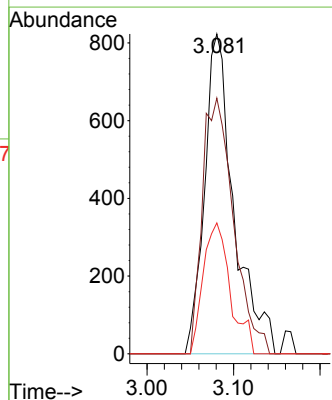
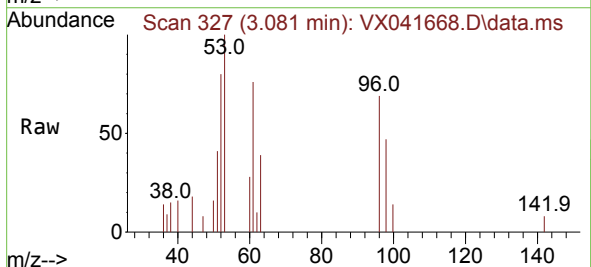
Instrument :
MSVOA_X
ClientSampleId :

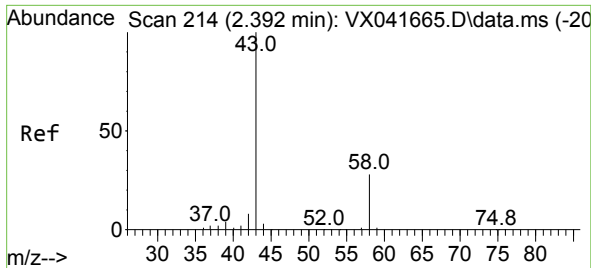
Tgt Ion:	41	Resp:	810
Ion	Ratio	Lower	Upper
41	100		
39	66.0	55.8	83.6
76	24.4	24.3	36.5



#15
Acrylonitrile
Concen: 2.360 ug/l
RT: 3.081 min Scan# 327
Delta R.T. 0.006 min
Lab File: VX041668.D
Acq: 29 May 2024 11:52

Tgt Ion:	53	Resp:	1939
Ion	Ratio	Lower	Upper
53	100		
52	84.9	66.0	99.0
51	37.8	29.8	44.6

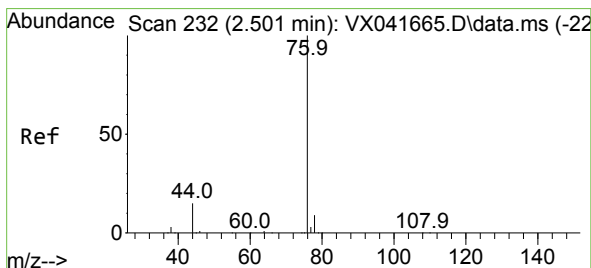
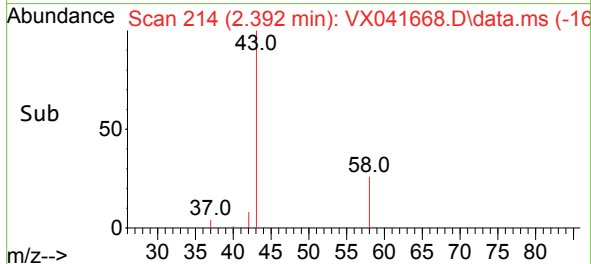
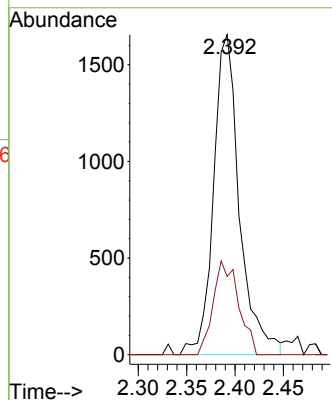
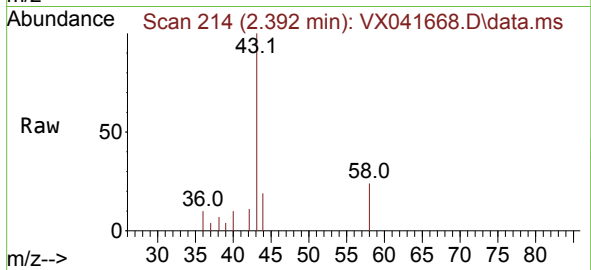




#16
Acetone
Concen: 1.019 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX041668.D
Acq: 29 May 2024 11:52

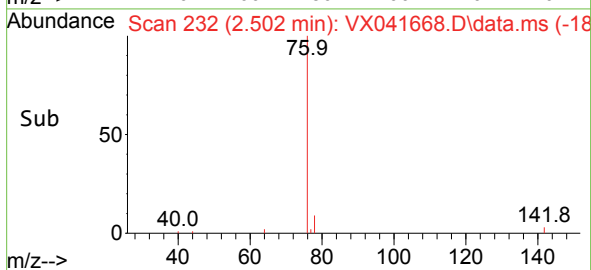
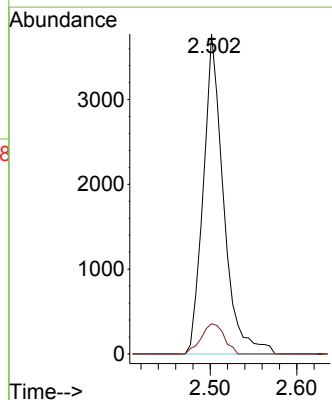
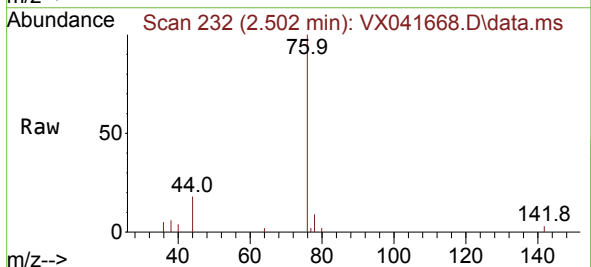
Instrument :
MSVOA_X
ClientSampleId :

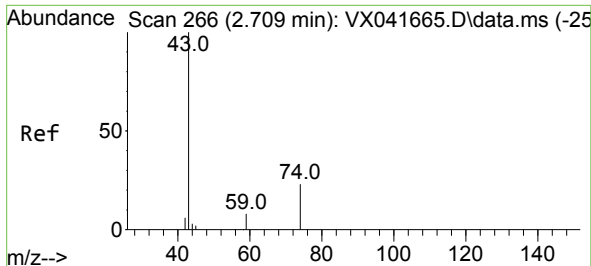
Tgt Ion: 43 Resp: 3083
Ion Ratio Lower Upper
43 100
58 24.5 21.9 32.9



#17
Carbon Disulfide
Concen: 2.009 ug/l
RT: 2.502 min Scan# 232
Delta R.T. 0.000 min
Lab File: VX041668.D
Acq: 29 May 2024 11:52

Tgt Ion: 76 Resp: 6117
Ion Ratio Lower Upper
76 100
78 9.5 7.0 10.6





#18

Methyl Acetate

Concen: 0.518 ug/l

RT: 2.703 min Scan# 2

Delta R.T. -0.006 min

Lab File: VX041668.D

Acq: 29 May 2024 11:52

Instrument :

MSVOA_X

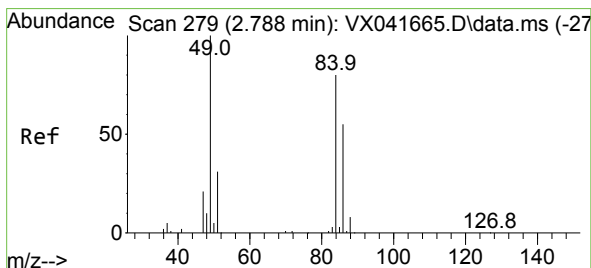
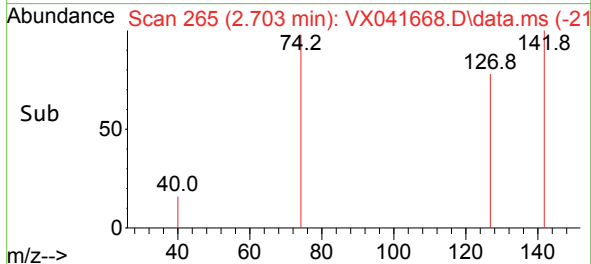
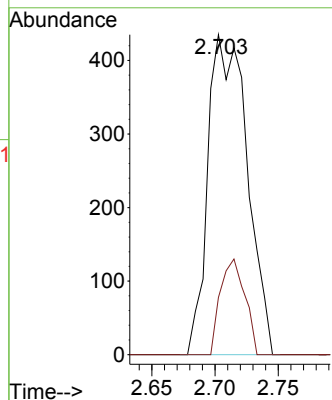
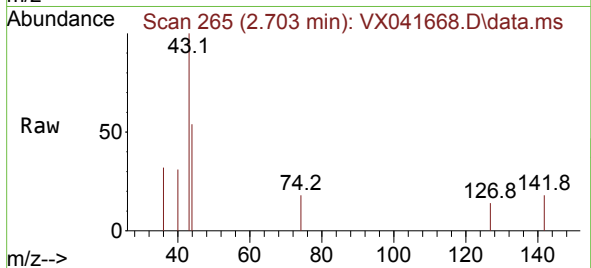
ClientSampleId :

Tgt Ion: 43 Resp: 937

Ion Ratio Lower Upper

43 100

74 18.7 17.8 26.8



#20

Methylene Chloride

Concen: 0.863 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX041668.D

Acq: 29 May 2024 11:52

Tgt Ion: 84 Resp: 1463

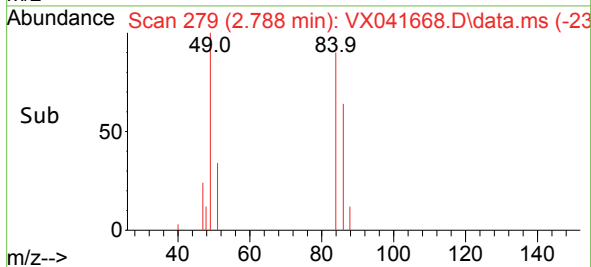
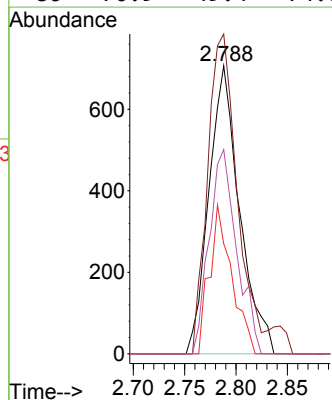
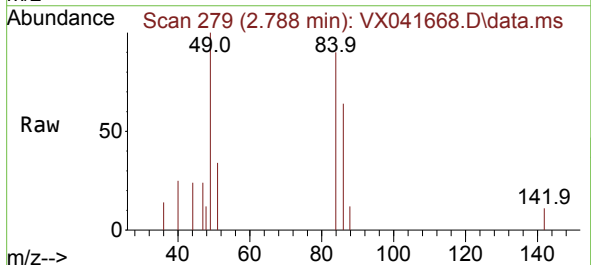
Ion Ratio Lower Upper

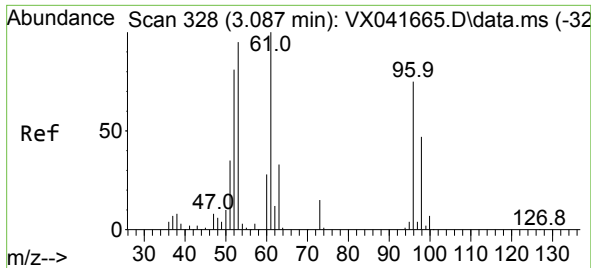
84 100

49 111.0 103.6 155.4

51 38.2 33.8 50.6

86 70.9 49.4 74.0

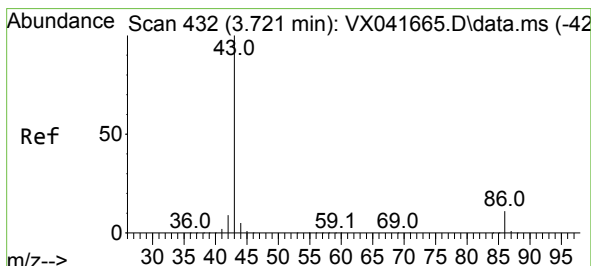
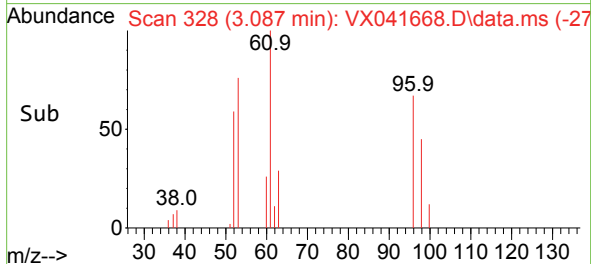
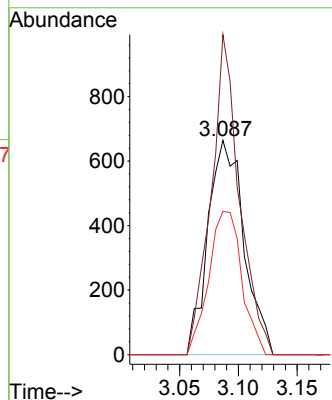
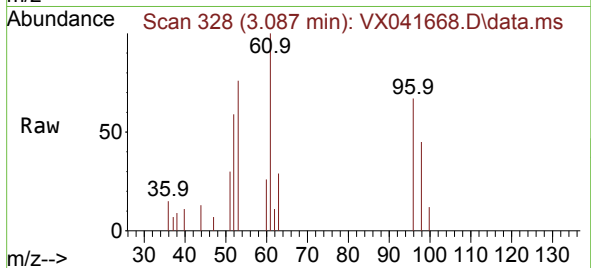




#21
trans-1,2-Dichloroethene
Concen: 0.993 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX041668.D
Acq: 29 May 2024 11:52

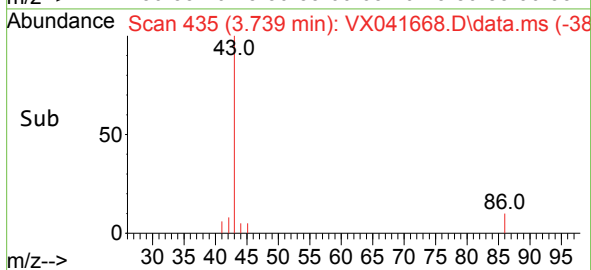
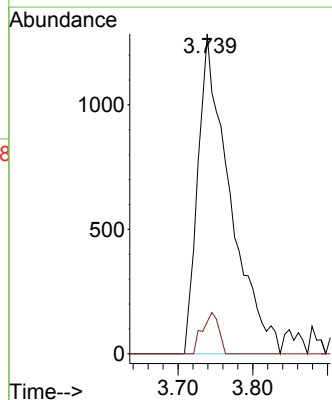
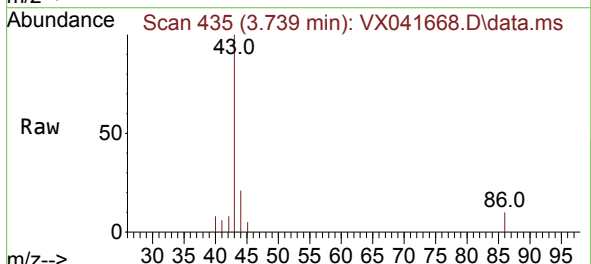
Instrument :
MSVOA_X
ClientSampleId :

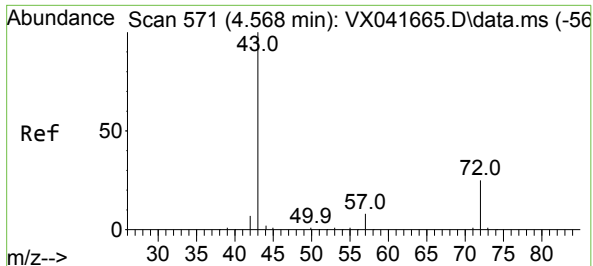
Tgt Ion: 96 Resp: 1418
Ion Ratio Lower Upper
96 100
61 149.4 119.2 178.8
98 66.9 48.7 73.1



#23
Vinyl Acetate
Concen: 0.917 ug/l
RT: 3.739 min Scan# 435
Delta R.T. 0.018 min
Lab File: VX041668.D
Acq: 29 May 2024 11:52

Tgt Ion: 43 Resp: 3811
Ion Ratio Lower Upper
43 100
86 10.0 7.8 11.8





#25

2-Butanone

Concen: 1.662 ug/l

RT: 4.605 min Scan# 51

Delta R.T. 0.037 min

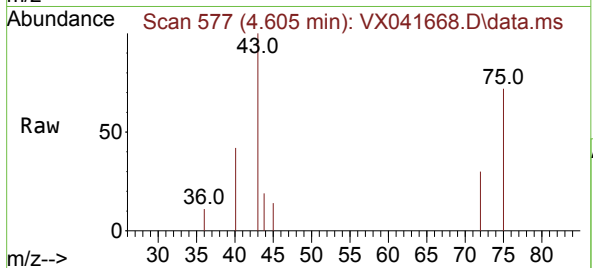
Lab File: VX041668.D

Acq: 29 May 2024 11:52

Instrument :

MSVOA_X

ClientSampleId :

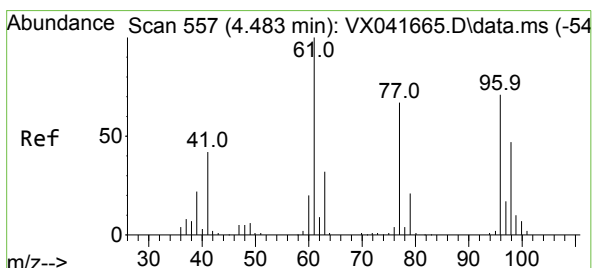
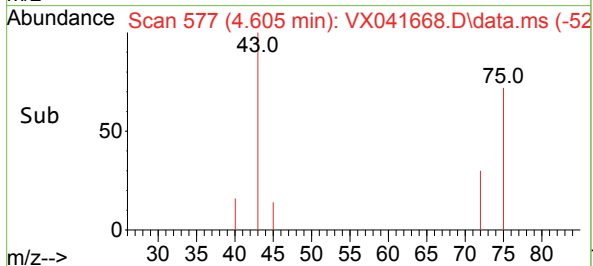
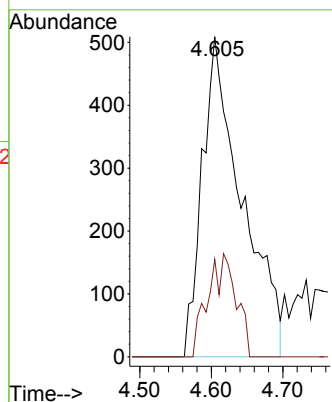


Tgt Ion: 43 Resp: 1956

Ion Ratio Lower Upper

43 100

72 30.5 19.4 29.2#



#27

cis-1,2-Dichloroethene

Concen: 0.525 ug/l

RT: 4.489 min Scan# 558

Delta R.T. 0.006 min

Lab File: VX041668.D

Acq: 29 May 2024 11:52

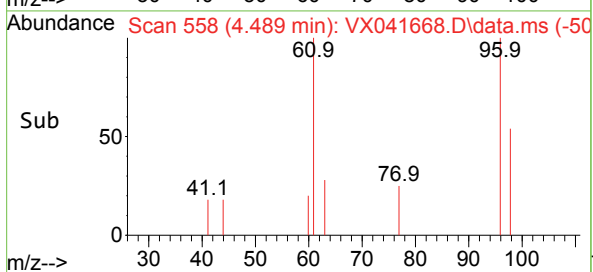
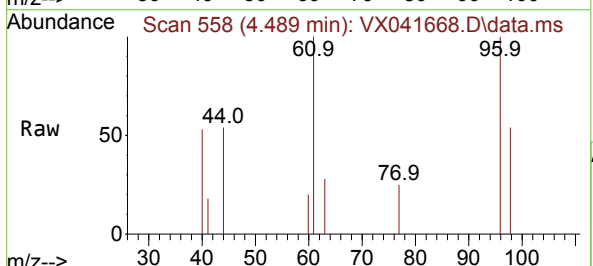
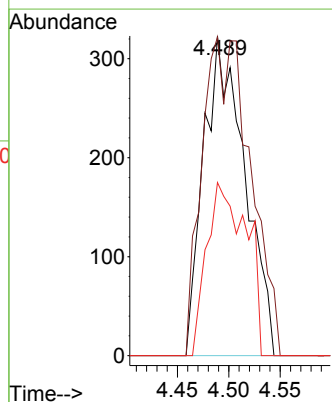
Tgt Ion: 96 Resp: 897

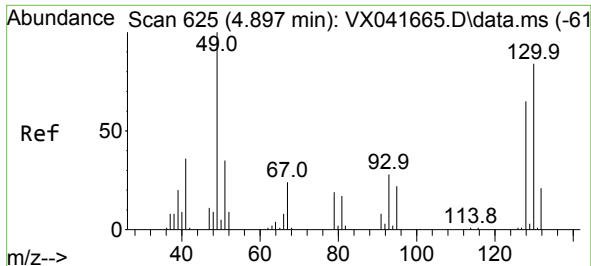
Ion Ratio Lower Upper

96 100

61 56.5 0.0 312.2

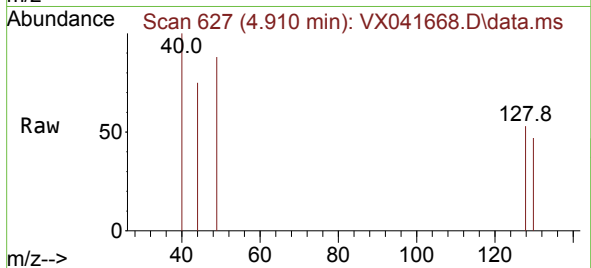
98 52.5 0.0 129.0



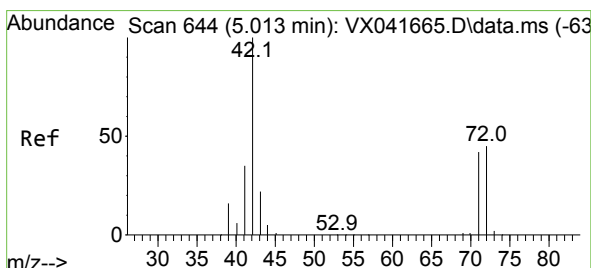
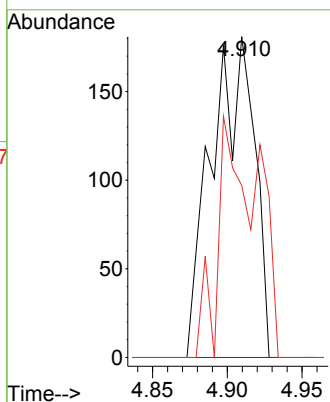
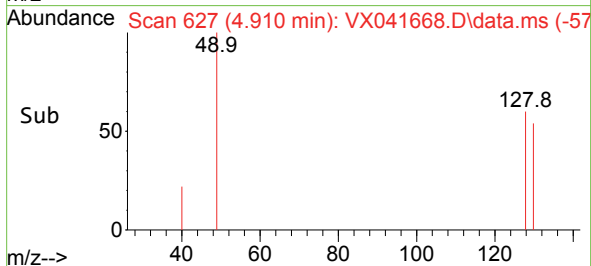


#28
Bromochloromethane
Concen: 0.320 ug/l
RT: 4.910 min Scan# 61
Delta R.T. 0.012 min
Lab File: VX041668.D
Acq: 29 May 2024 11:52

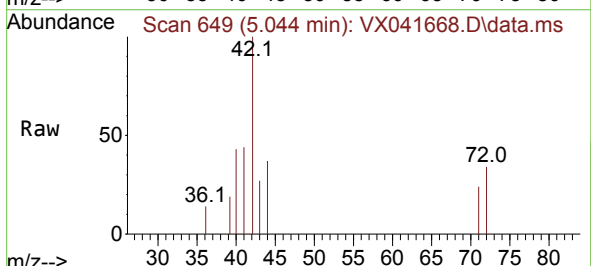
Instrument :
MSVOA_X
ClientSampleId :



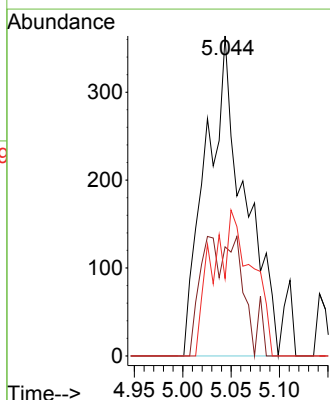
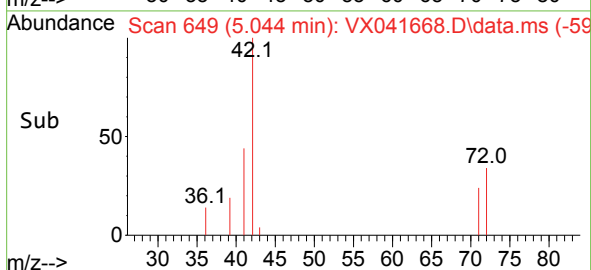
Tgt Ion: 49 Resp: 361
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 69.0 57.5 86.3

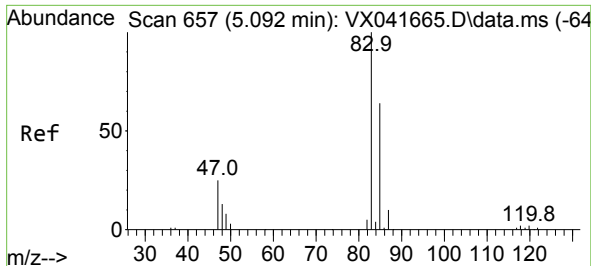


#29
Tetrahydrofuran
Concen: 1.363 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.031 min
Lab File: VX041668.D
Acq: 29 May 2024 11:52



Tgt Ion: 42 Resp: 1012
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 46.0 32.2 48.2





#30

Chloroform

Concen: 0.219 ug/l

RT: 5.093 min Scan# 6

Delta R.T. 0.000 min

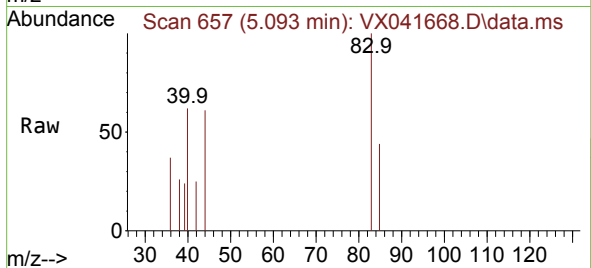
Lab File: VX041668.D

Acq: 29 May 2024 11:52

Instrument :

MSVOA_X

ClientSampleId :

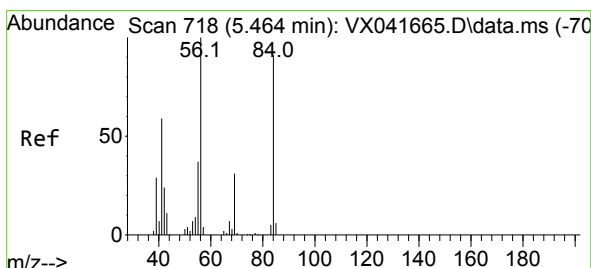
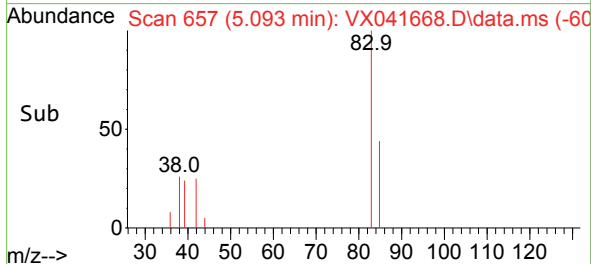
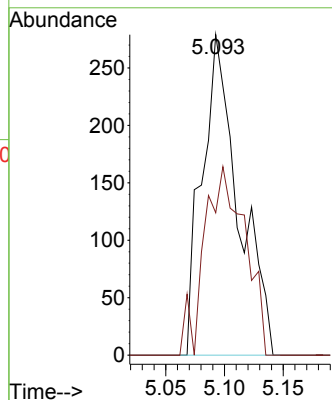


Tgt Ion: 83 Resp: 601

Ion Ratio Lower Upper

83 100

85 44.4 50.3 75.5#



#31

Cyclohexane

Concen: 0.317 ug/l

RT: 5.464 min Scan# 718

Delta R.T. 0.000 min

Lab File: VX041668.D

Acq: 29 May 2024 11:52

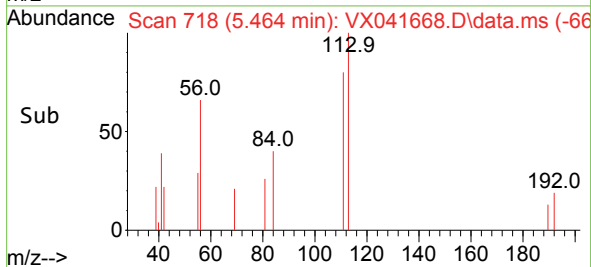
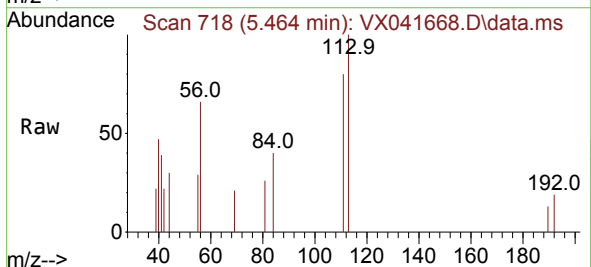
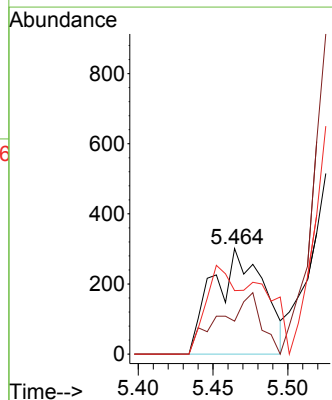
Tgt Ion: 56 Resp: 708

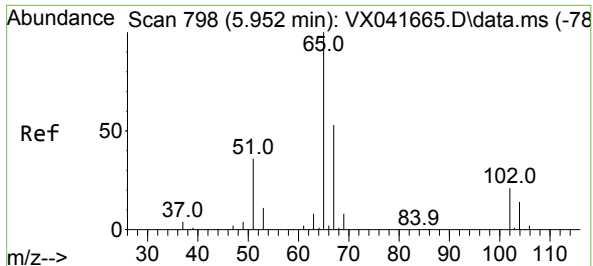
Ion Ratio Lower Upper

56 100

69 31.2 23.4 35.2

84 60.1 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 44.303 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX041668.D

Acq: 29 May 2024 11:52

Instrument :

MSVOA_X

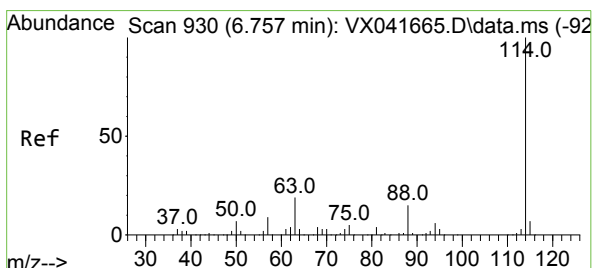
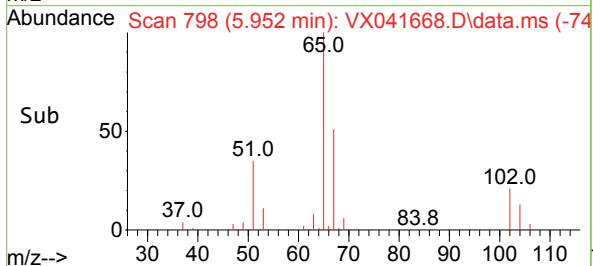
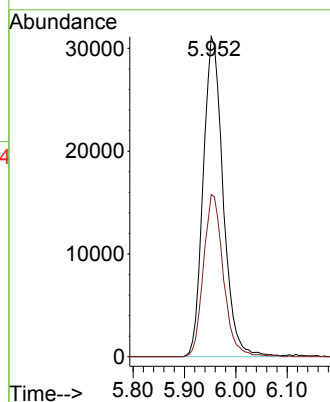
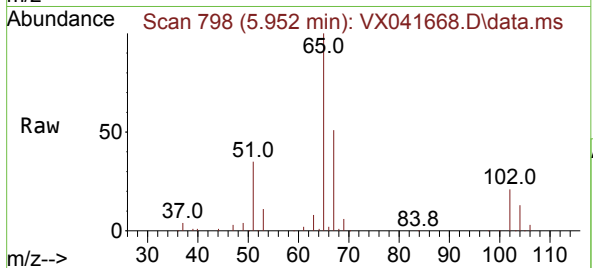
ClientSampleId :

Tgt Ion: 65 Resp: 83905

Ion Ratio Lower Upper

65 100

67 50.6 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX041668.D

Acq: 29 May 2024 11:52

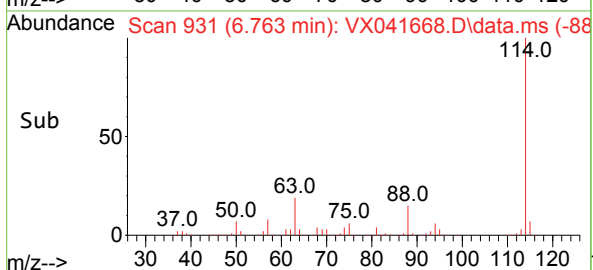
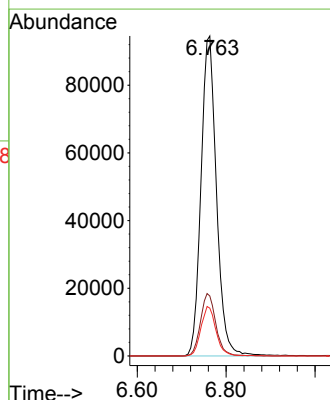
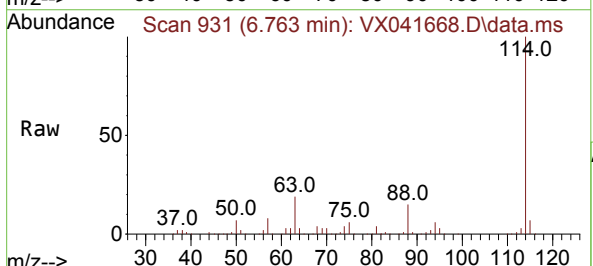
Tgt Ion: 114 Resp: 229216

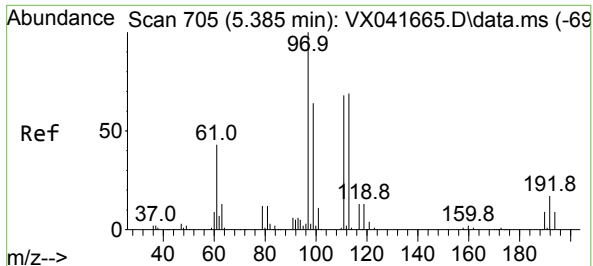
Ion Ratio Lower Upper

114 100

63 18.8 0.0 45.0

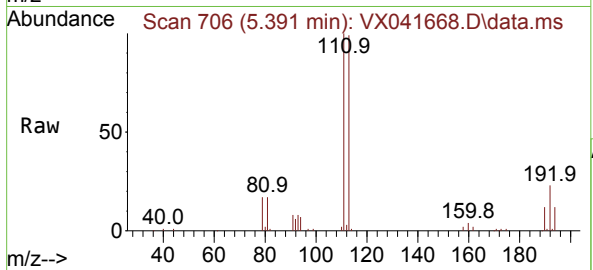
88 14.9 0.0 36.6



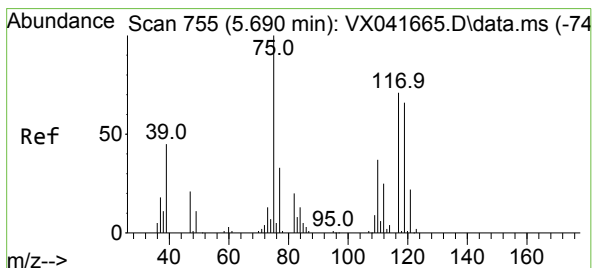
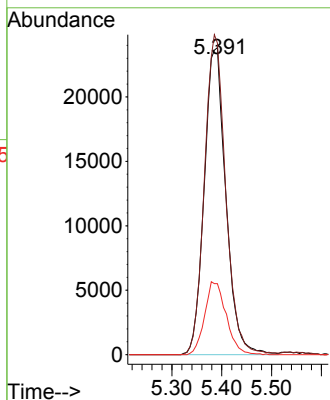
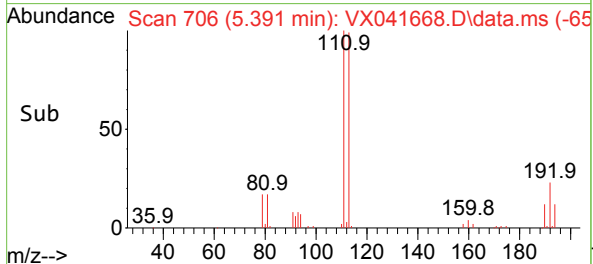


#35
Dibromofluoromethane
Concen: 45.253 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX041668.D
Acq: 29 May 2024 11:52

Instrument :
MSVOA_X
ClientSampleId :

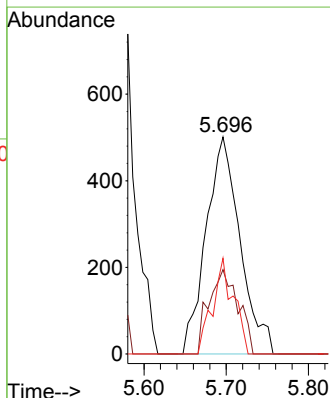
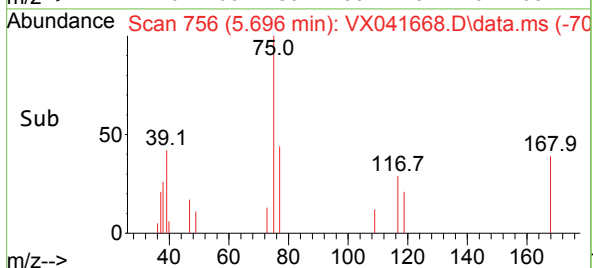
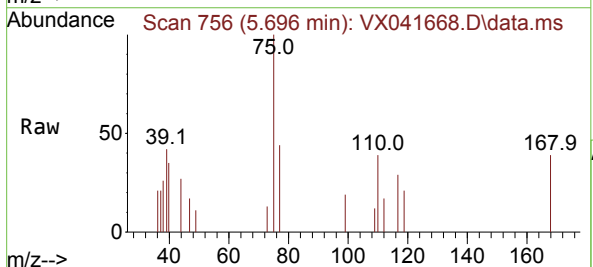


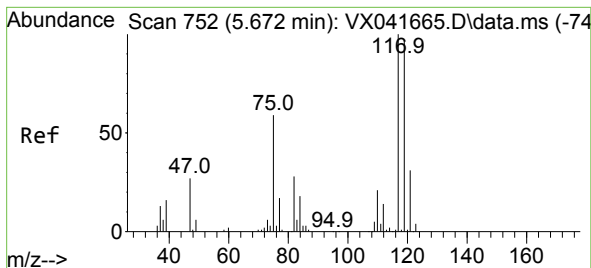
Tgt Ion:113 Resp: 71717
Ion Ratio Lower Upper
113 100
111 102.5 82.9 124.3
192 23.7 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 0.751 ug/l
RT: 5.696 min Scan# 756
Delta R.T. 0.006 min
Lab File: VX041668.D
Acq: 29 May 2024 11:52

Tgt Ion: 75 Resp: 1441
Ion Ratio Lower Upper
75 100
110 33.4 17.0 50.9
77 27.3 24.7 37.1





#38

Carbon Tetrachloride

Concen: 0.300 ug/l

RT: 5.672 min Scan# 71

Delta R.T. 0.000 min

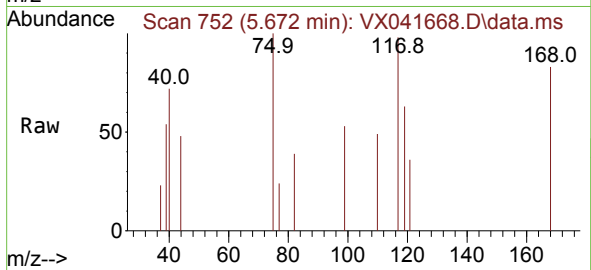
Lab File: VX041668.D

Acq: 29 May 2024 11:52

Instrument :

MSVOA_X

ClientSampleId :



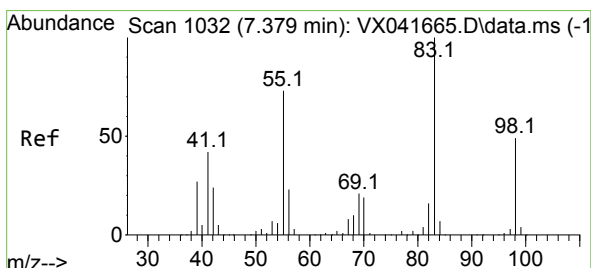
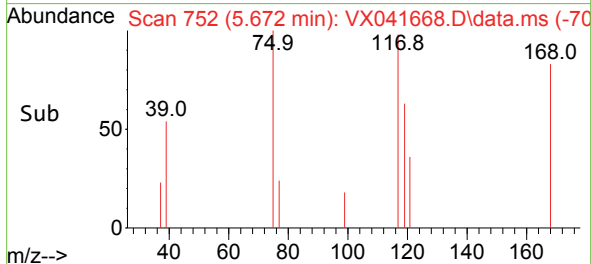
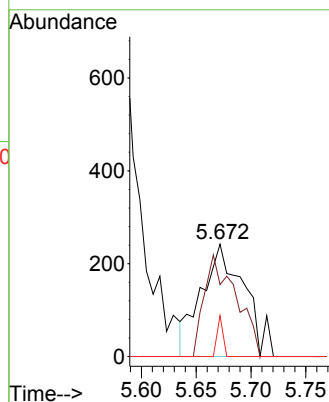
Tgt Ion:117 Resp: 655

Ion Ratio Lower Upper

117 100

119 64.0 78.2 117.2#

121 36.4 24.4 36.6



#39

Methylcyclohexane

Concen: 0.388 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. 0.006 min

Lab File: VX041668.D

Acq: 29 May 2024 11:52

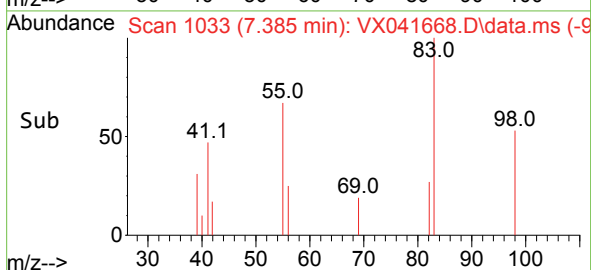
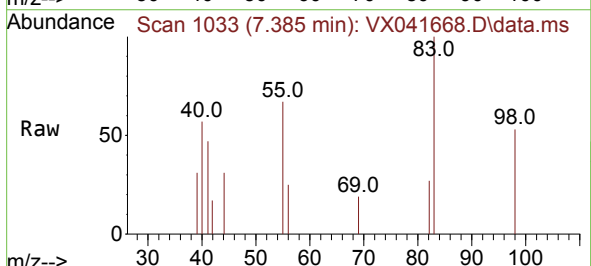
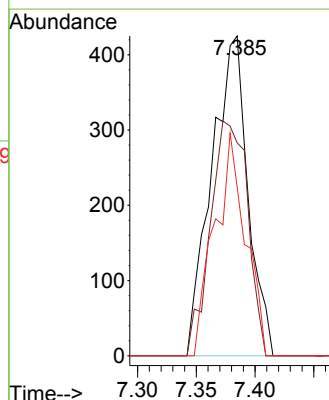
Tgt Ion: 83 Resp: 915

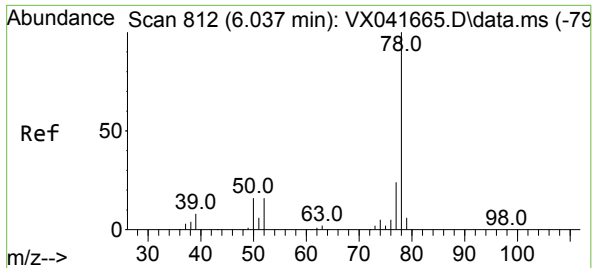
Ion Ratio Lower Upper

83 100

55 66.6 64.6 97.0

98 52.7 36.7 55.1





#40

Benzene

Concen: 0.246 ug/l

RT: 6.044 min Scan# 81

Delta R.T. 0.006 min

Lab File: VX041668.D

Acq: 29 May 2024 11:52

Instrument :

MSVOA_X

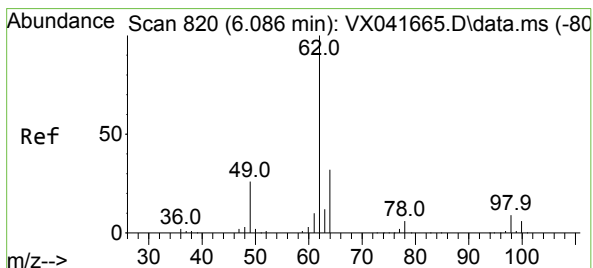
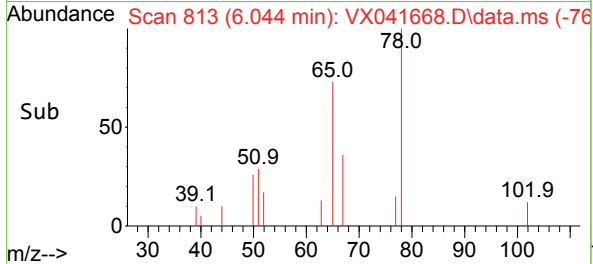
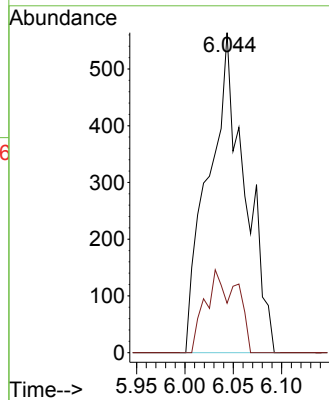
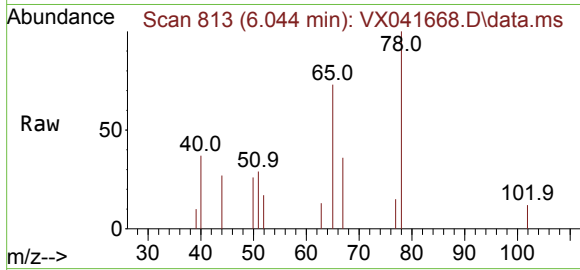
ClientSampleId :

Tgt Ion: 78 Resp: 1474

Ion Ratio Lower Upper

78 100

77 15.4 19.3 28.9#



#42

1,2-Dichloroethane

Concen: 0.322 ug/l

RT: 6.086 min Scan# 820

Delta R.T. 0.000 min

Lab File: VX041668.D

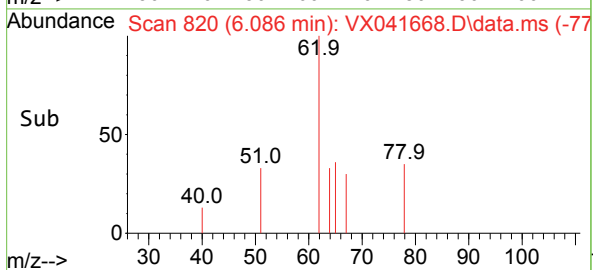
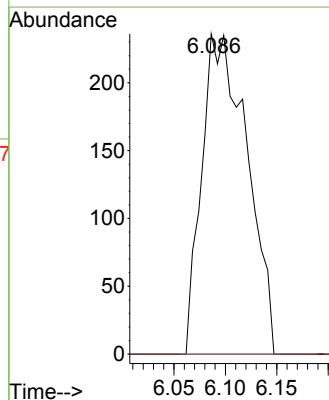
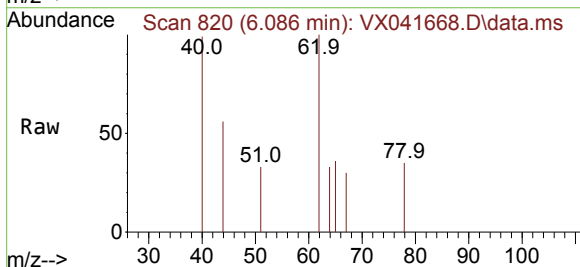
Acq: 29 May 2024 11:52

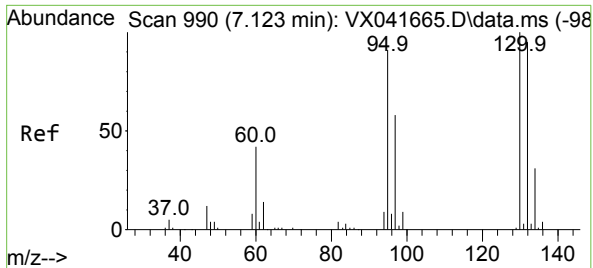
Tgt Ion: 62 Resp: 722

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.0

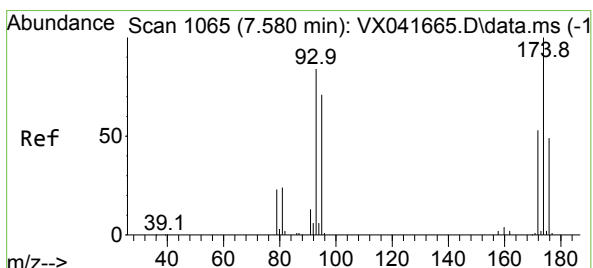
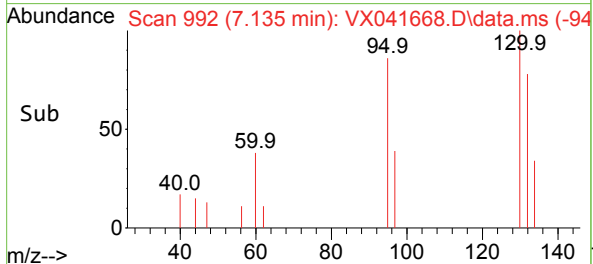
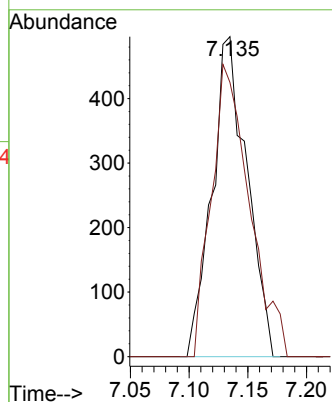
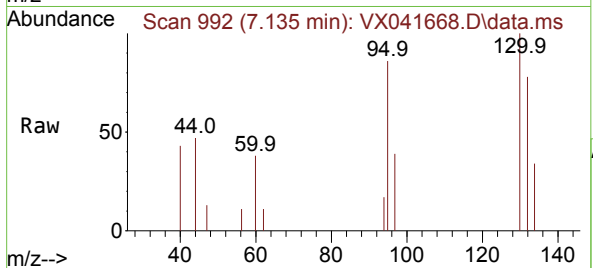




#44
Trichloroethene
Concen: 0.630 ug/l
RT: 7.135 min Scan# 990
Delta R.T. 0.012 min
Lab File: VX041668.D
Acq: 29 May 2024 11:52

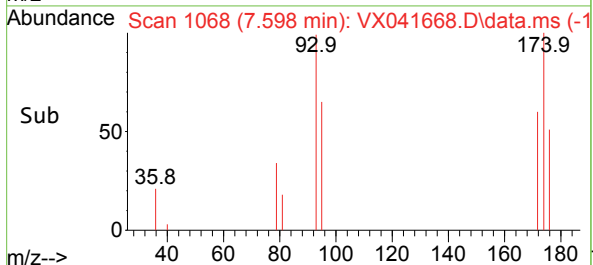
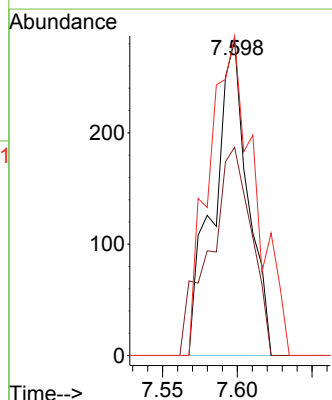
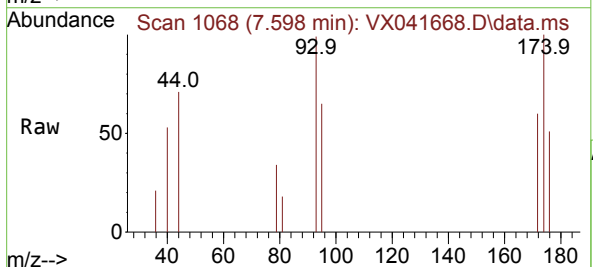
Instrument :
MSVOA_X
ClientSampleId :

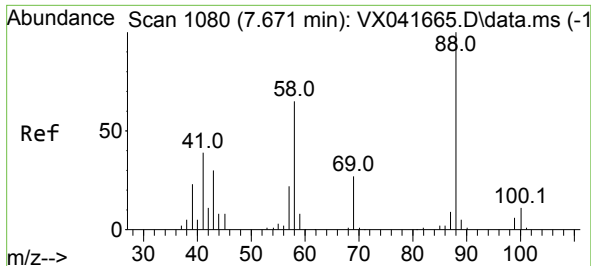
Tgt Ion:130 Resp: 1027
Ion Ratio Lower Upper
130 100
95 85.7 0.0 204.4



#46
Dibromomethane
Concen: 0.415 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. 0.018 min
Lab File: VX041668.D
Acq: 29 May 2024 11:52

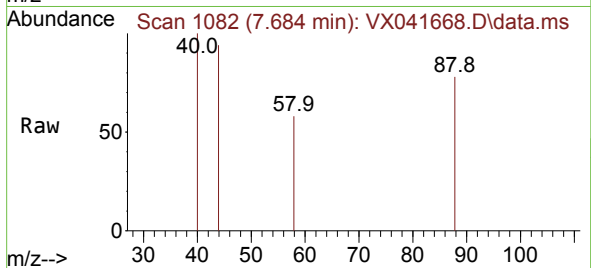
Tgt Ion: 93 Resp: 454
Ion Ratio Lower Upper
93 100
95 80.2 66.6 100.0
174 135.2 69.4 104.0#



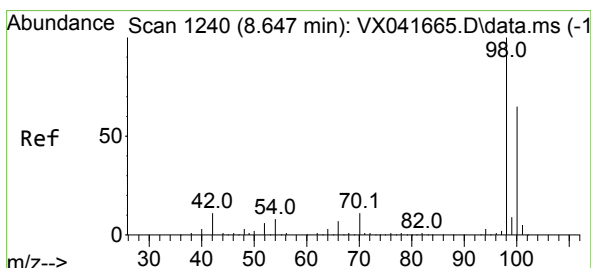
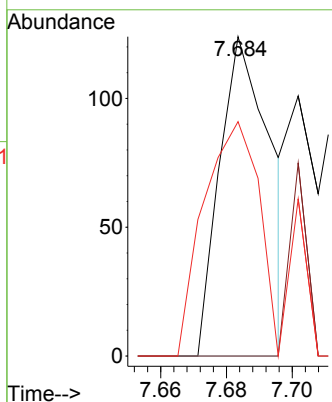
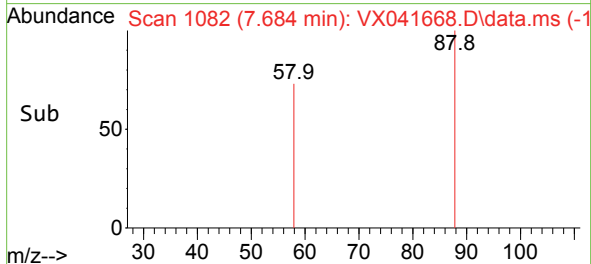


#49
1,4-Dioxane
Concen: 3.519 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. 0.012 min
Lab File: VX041668.D
Acq: 29 May 2024 11:52

Instrument :
MSVOA_X
ClientSampleId :

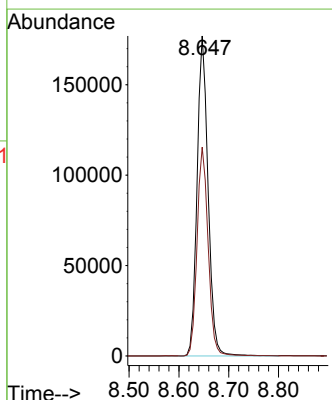
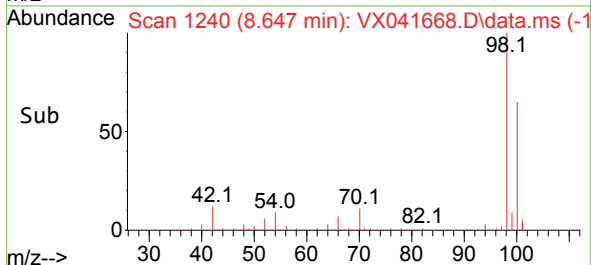
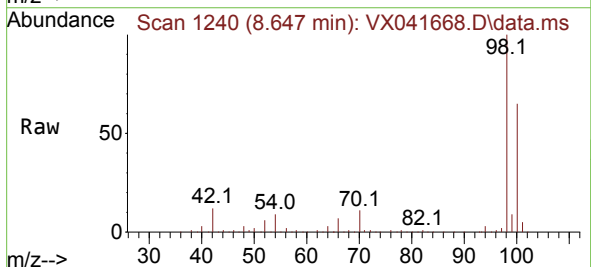


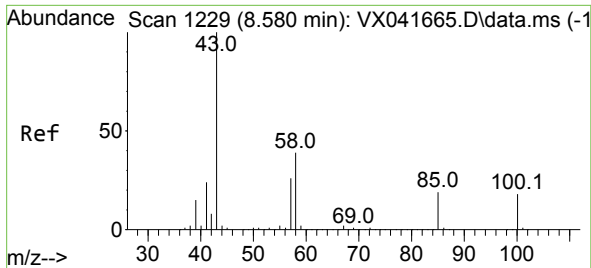
Tgt Ion: 88 Resp: 135
Ion Ratio Lower Upper
88 100
43 20.0 0.0 0.0#
58 94.8 60.1 90.1#



#50
Toluene-d8
Concen: 48.928 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041668.D
Acq: 29 May 2024 11:52

Tgt Ion: 98 Resp: 270937
Ion Ratio Lower Upper
98 100
100 65.9 53.1 79.7

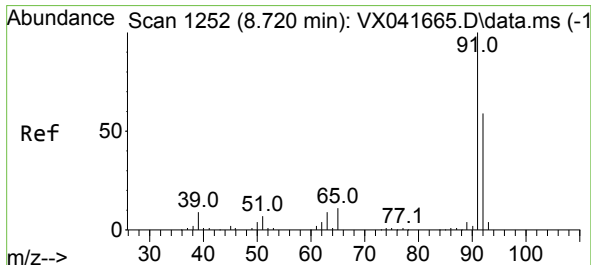
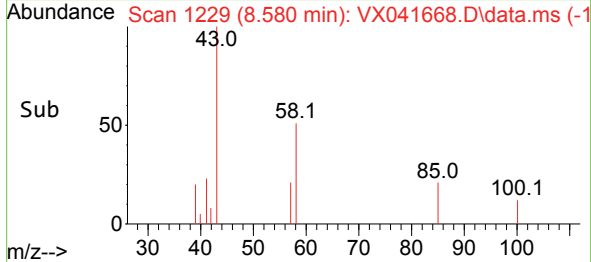
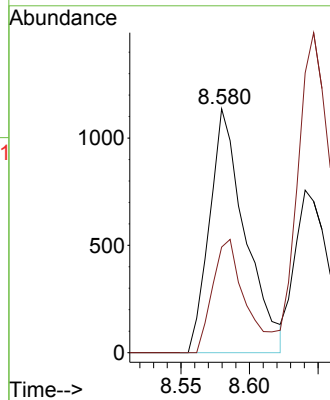
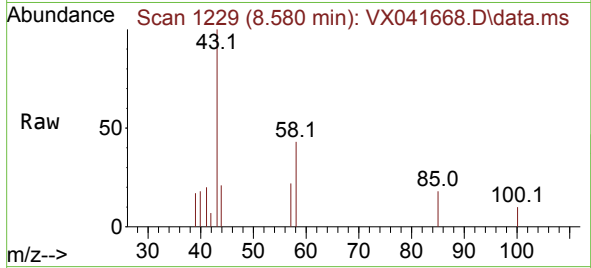




#51
4-Methyl-2-Pentanone
Concen: 0.868 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.000 min
Lab File: VX041668.D
Acq: 29 May 2024 11:52

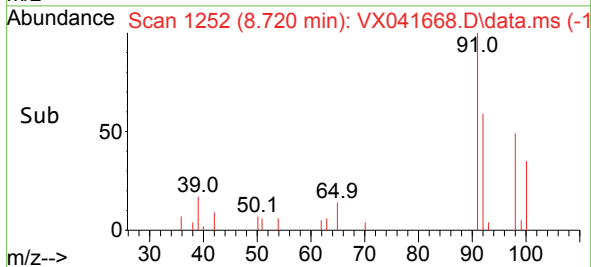
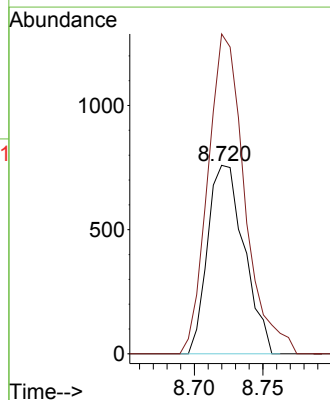
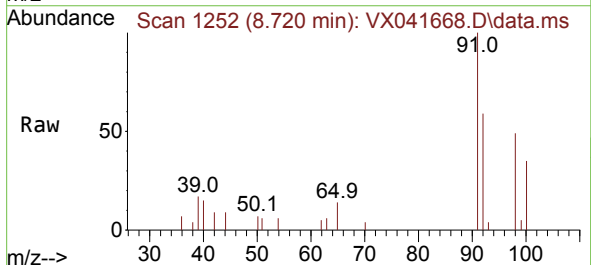
Instrument :
MSVOA_X
ClientSampleId :

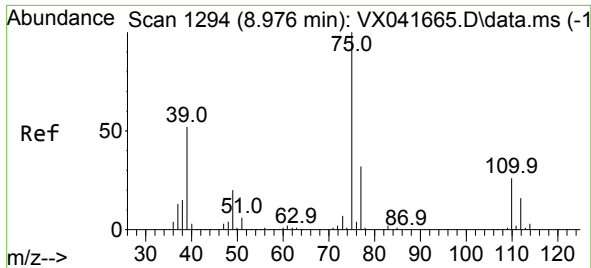
Tgt Ion: 43 Resp: 2057
Ion Ratio Lower Upper
43 100
58 42.2 30.4 45.6



#52
Toluene
Concen: 0.371 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX041668.D
Acq: 29 May 2024 11:52

Tgt Ion: 92 Resp: 1411
Ion Ratio Lower Upper
92 100
91 170.6 134.2 201.2

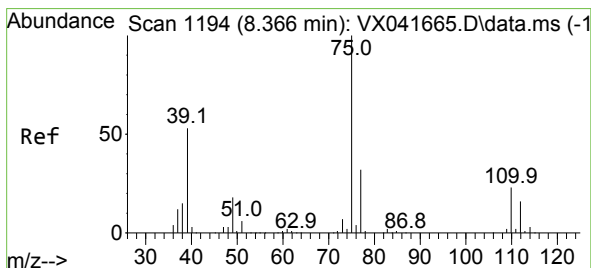
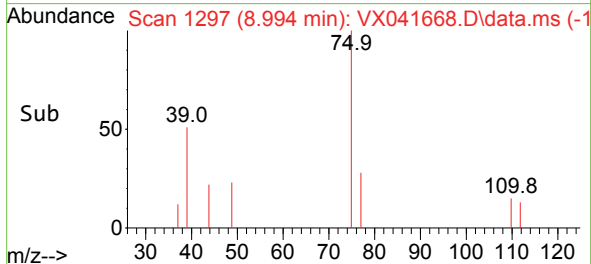
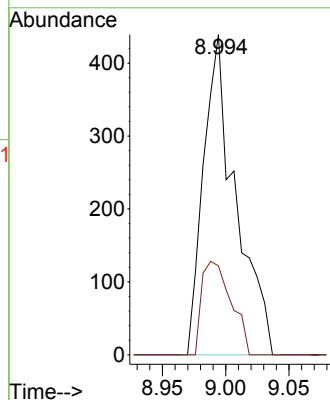
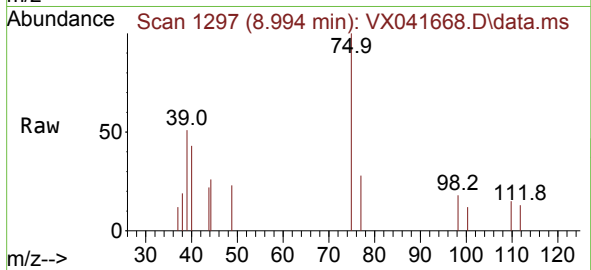




#53
 t-1,3-Dichloropropene
 Concen: 0.388 ug/l
 RT: 8.994 min Scan# 1196
 Delta R.T. 0.018 min
 Lab File: VX041668.D
 Acq: 29 May 2024 11:52

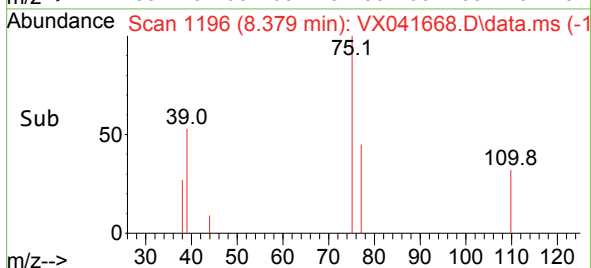
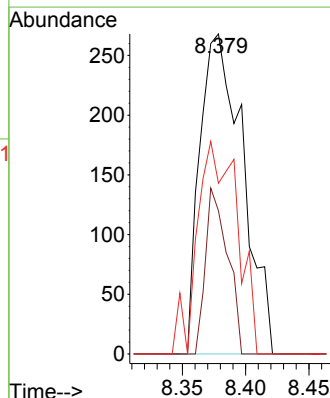
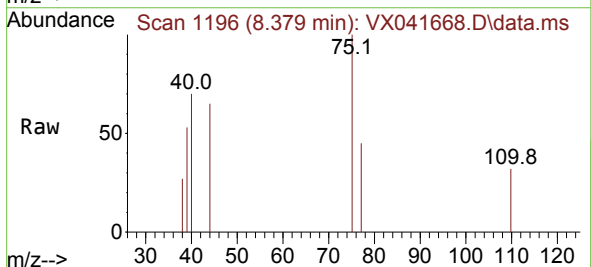
Instrument :
 MSVOA_X
 ClientSampleId :

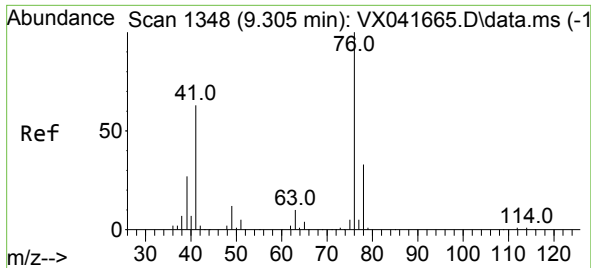
Tgt Ion: 75 Resp: 774
 Ion Ratio Lower Upper
 75 100
 77 27.8 25.7 38.5



#54
 cis-1,3-Dichloropropene
 Concen: 0.287 ug/l
 RT: 8.379 min Scan# 1196
 Delta R.T. 0.012 min
 Lab File: VX041668.D
 Acq: 29 May 2024 11:52

Tgt Ion: 75 Resp: 632
 Ion Ratio Lower Upper
 75 100
 77 44.8 25.3 37.9#
 39 53.4 46.7 70.1





#57

1,3-Dichloropropane

Concen: 0.201 ug/l

RT: 9.317 min Scan# 11350

Delta R.T. 0.012 min

Lab File: VX041668.D

Acq: 29 May 2024 11:52

Instrument :

MSVOA_X

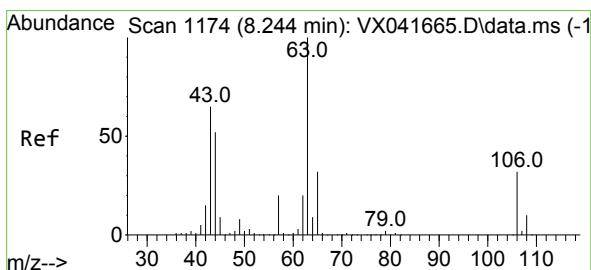
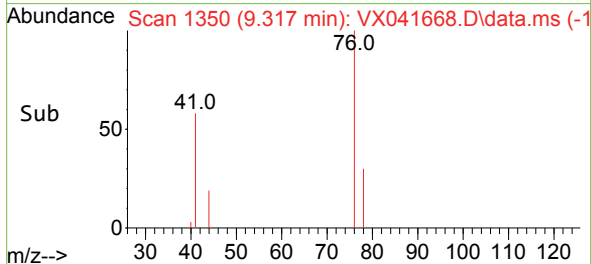
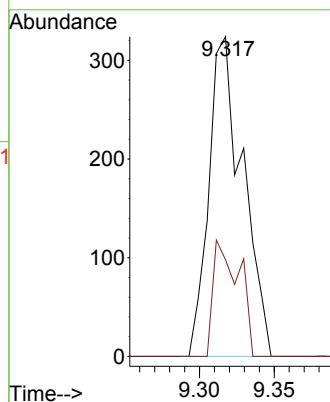
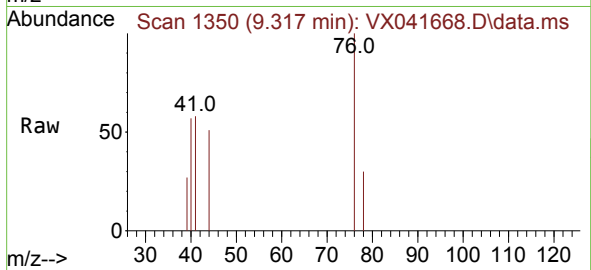
ClientSampleId :

Tgt Ion: 76 Resp: 511

Ion Ratio Lower Upper

76 100

78 27.8 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 0.815 ug/l

RT: 8.269 min Scan# 1178

Delta R.T. 0.024 min

Lab File: VX041668.D

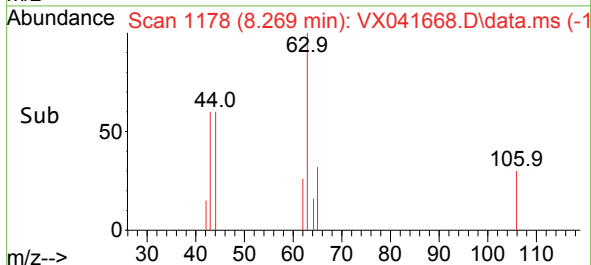
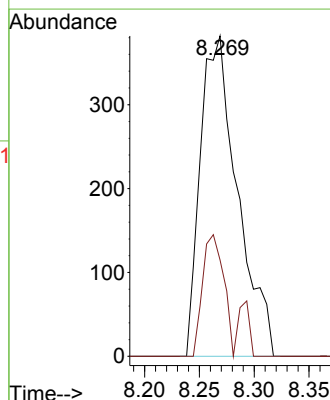
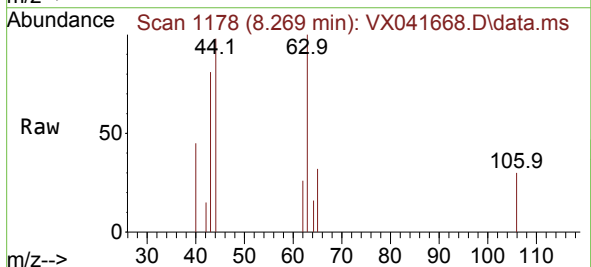
Acq: 29 May 2024 11:52

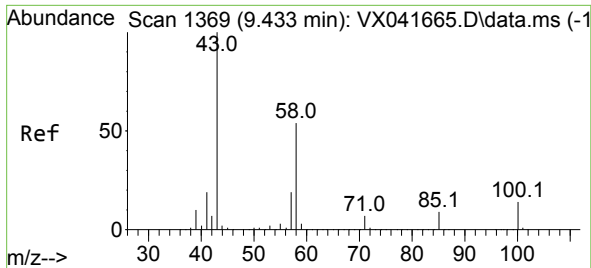
Tgt Ion: 63 Resp: 899

Ion Ratio Lower Upper

63 100

106 21.7 22.5 33.7#

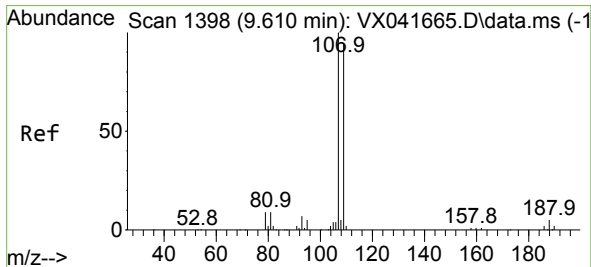
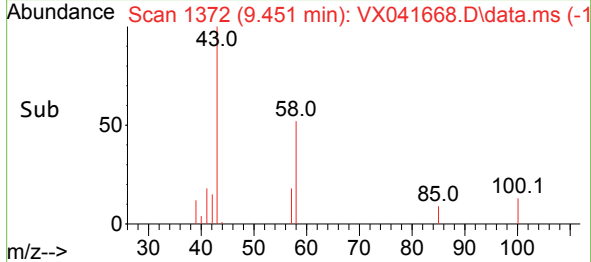
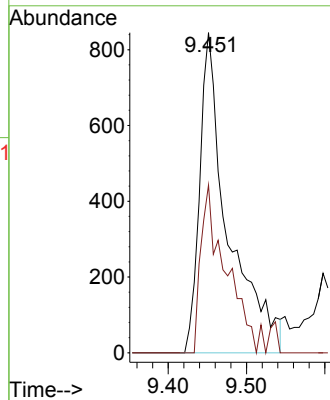
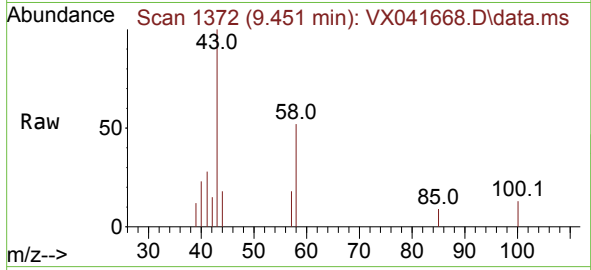




#59
2-Hexanone
Concen: 1.176 ug/l
RT: 9.451 min Scan# 1372
Delta R.T. 0.018 min
Lab File: VX041668.D
Acq: 29 May 2024 11:52

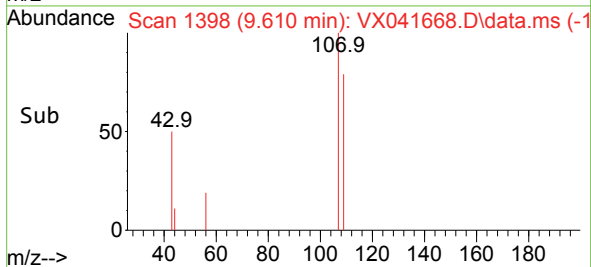
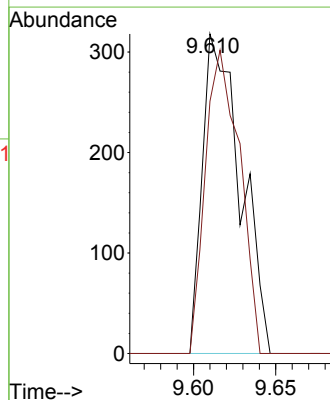
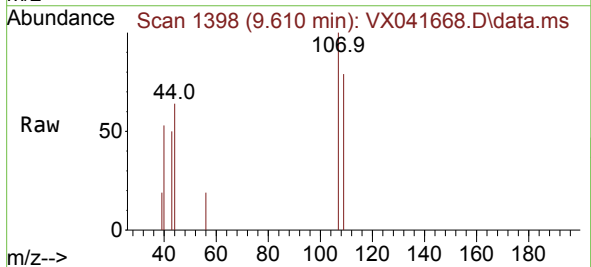
Instrument :
MSVOA_X
ClientSampleId :

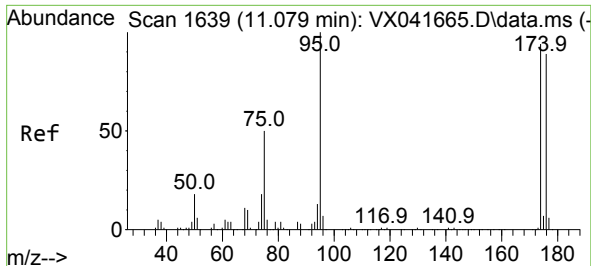
Tgt Ion: 43 Resp: 2126
Ion Ratio Lower Upper
43 100
58 45.8 26.2 78.5



#61
1,2-Dibromoethane
Concen: 0.316 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.000 min
Lab File: VX041668.D
Acq: 29 May 2024 11:52

Tgt Ion: 107 Resp: 511
Ion Ratio Lower Upper
107 100
109 85.5 75.2 112.8





#62

4-Bromofluorobenzene

Concen: 51.673 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

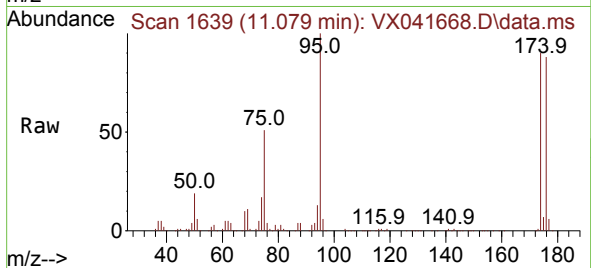
Lab File: VX041668.D

Acq: 29 May 2024 11:52

Instrument :

MSVOA_X

ClientSampleId :



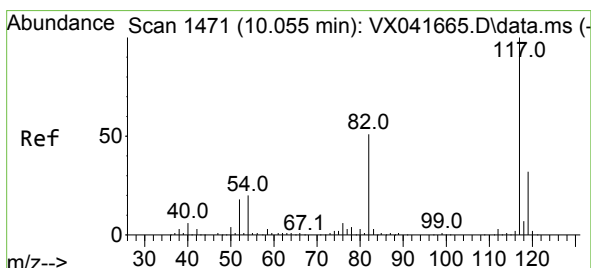
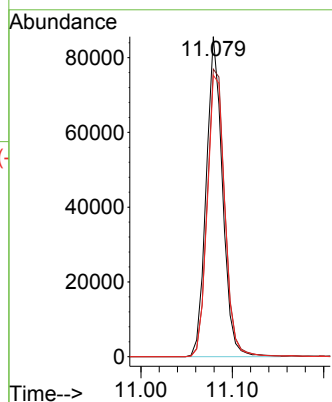
Tgt Ion: 95 Resp: 105608

Ion Ratio Lower Upper

95 100

174 97.2 0.0 135.6

176 94.7 0.0 131.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX041668.D

Acq: 29 May 2024 11:52

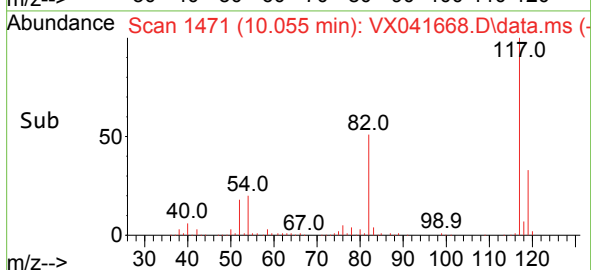
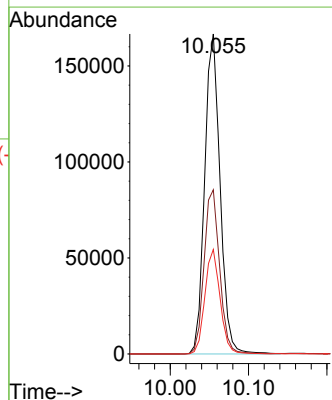
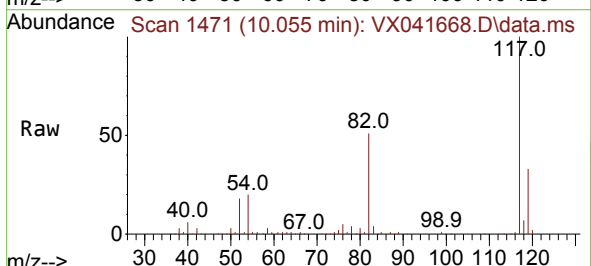
Tgt Ion: 117 Resp: 227656

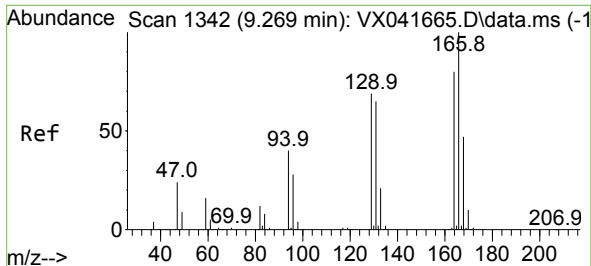
Ion Ratio Lower Upper

117 100

82 51.3 46.2 69.4

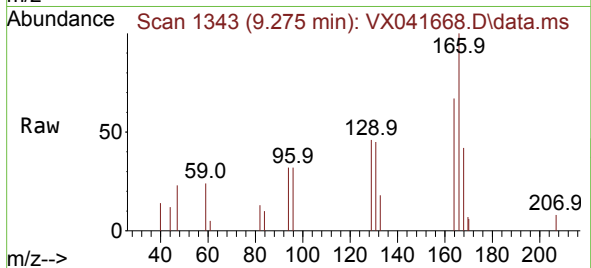
119 32.7 25.5 38.3



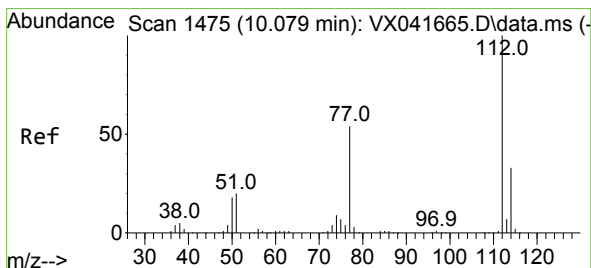
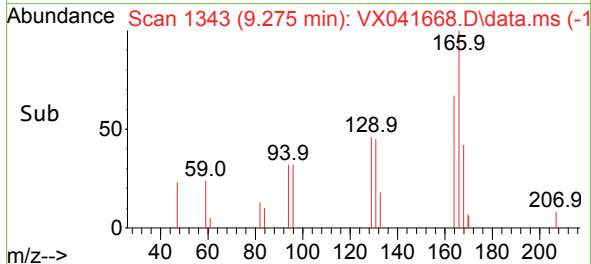
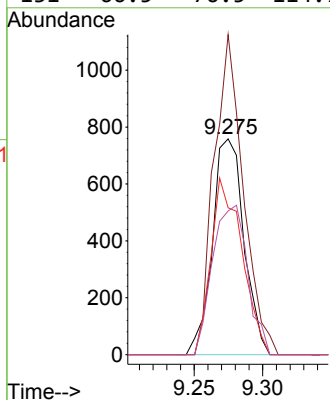


#64
Tetrachloroethene
Concen: 0.710 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX041668.D
Acq: 29 May 2024 11:52

Instrument :
MSVOA_X
ClientSampleId :

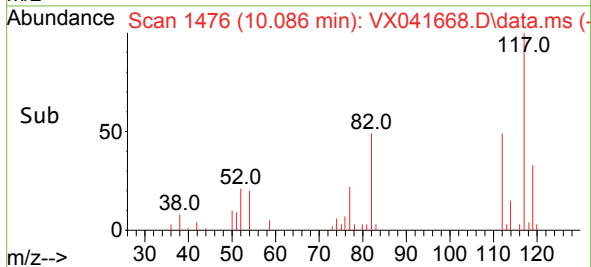
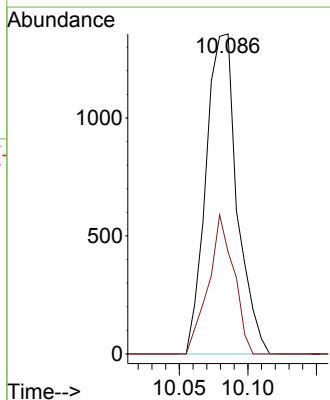
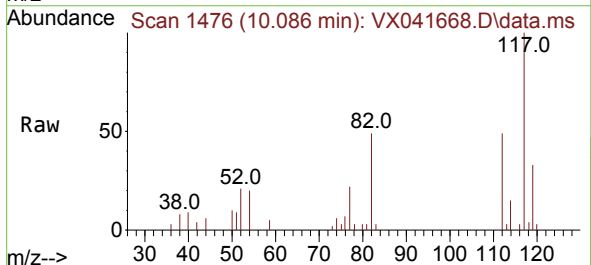


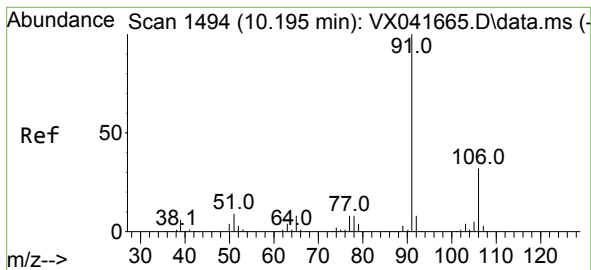
Tgt Ion:164 Resp: 1212
Ion Ratio Lower Upper
164 100
166 148.2 102.7 154.1
129 68.0 80.4 120.6#
131 66.5 76.5 114.7#



#65
Chlorobenzene
Concen: 0.439 ug/l
RT: 10.086 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VX041668.D
Acq: 29 May 2024 11:52

Tgt Ion:112 Resp: 2145
Ion Ratio Lower Upper
112 100
114 31.8 25.7 38.5





#67

Ethyl Benzene

Concen: 0.402 ug/l

RT: 10.201 min Scan# 1495

Delta R.T. 0.006 min

Lab File: VX041668.D

Acq: 29 May 2024 11:52

Instrument :

MSVOA_X

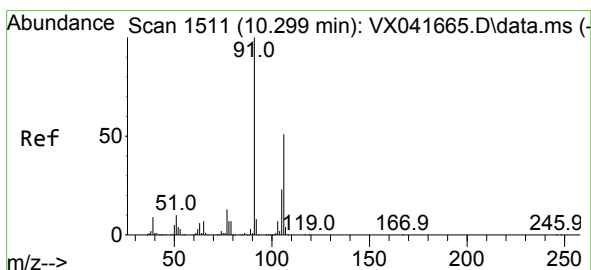
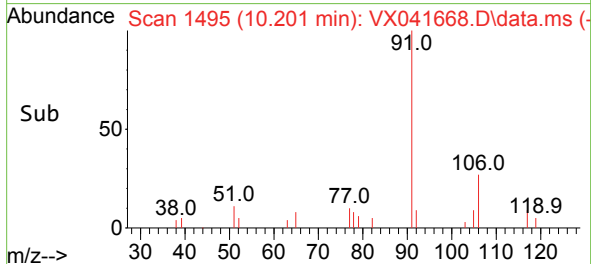
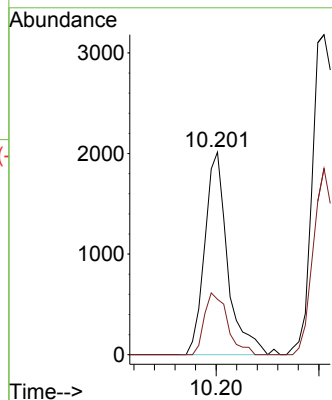
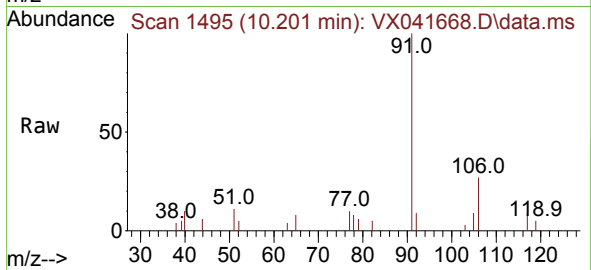
ClientSampleId :

Tgt Ion: 91 Resp: 3131

Ion Ratio Lower Upper

91 100

106 27.3 24.9 37.3



#68

m/p-Xylenes

Concen: 0.956 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX041668.D

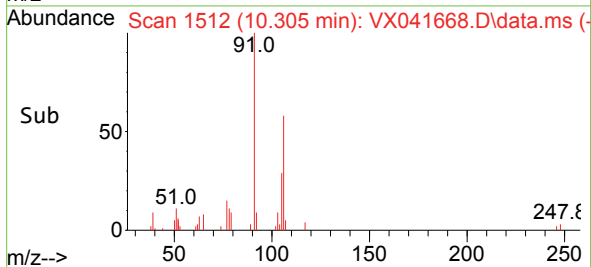
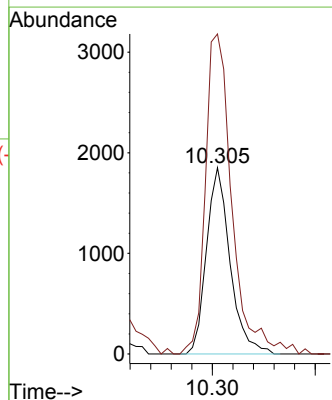
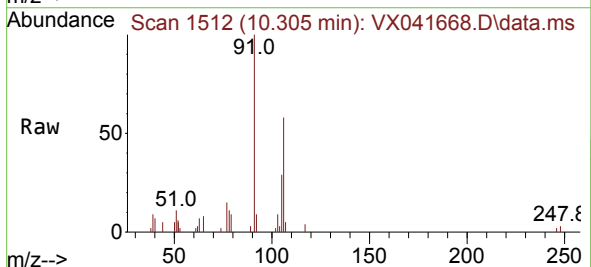
Acq: 29 May 2024 11:52

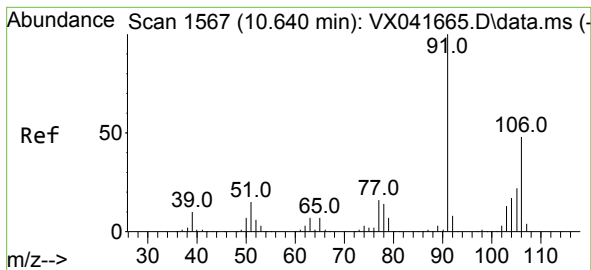
Tgt Ion: 106 Resp: 2962

Ion Ratio Lower Upper

106 100

91 193.1 165.5 248.3





#69

o-Xylene

Concen: 0.308 ug/l

RT: 10.640 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX041668.D

Acq: 29 May 2024 11:52

Instrument :

MSVOA_X

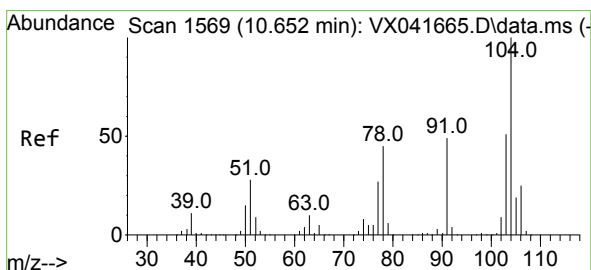
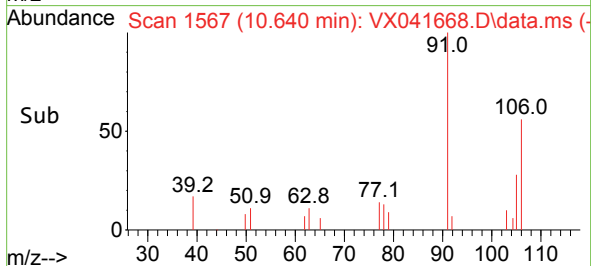
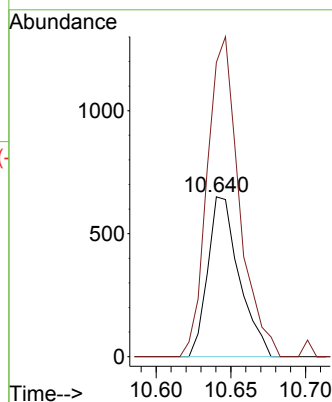
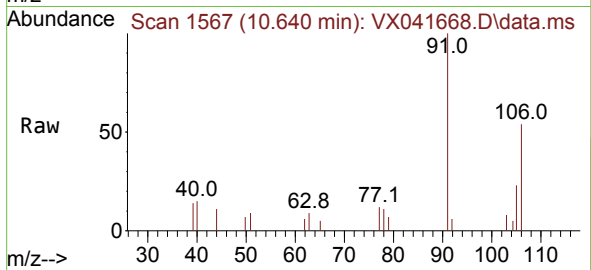
ClientSampleId :

Tgt Ion:106 Resp: 950

Ion Ratio Lower Upper

106 100

91 203.9 108.9 326.8



#70

Styrene

Concen: 0.426 ug/l

RT: 10.659 min Scan# 1570

Delta R.T. 0.006 min

Lab File: VX041668.D

Acq: 29 May 2024 11:52

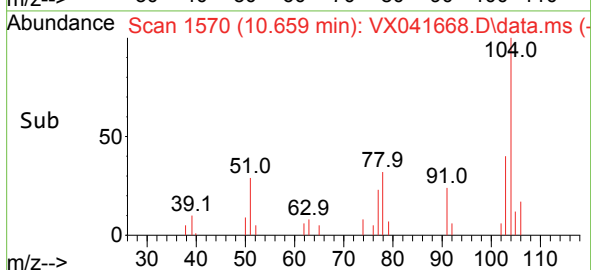
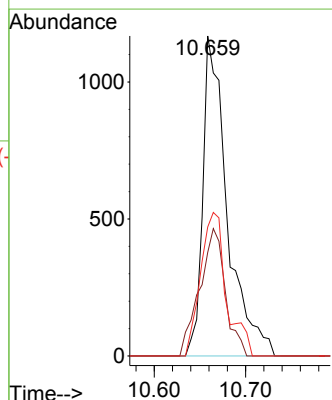
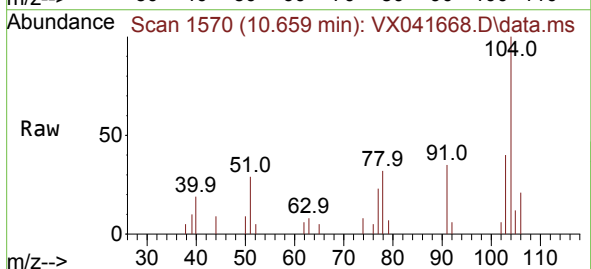
Tgt Ion:104 Resp: 2167

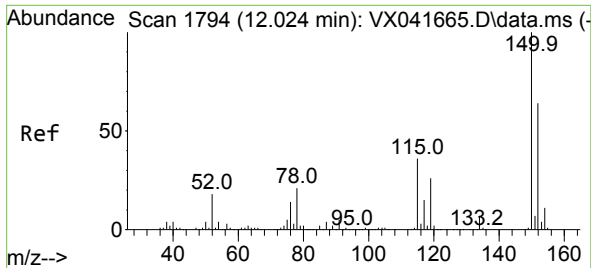
Ion Ratio Lower Upper

104 100

78 41.7 43.6 65.4#

103 47.3 43.6 65.4

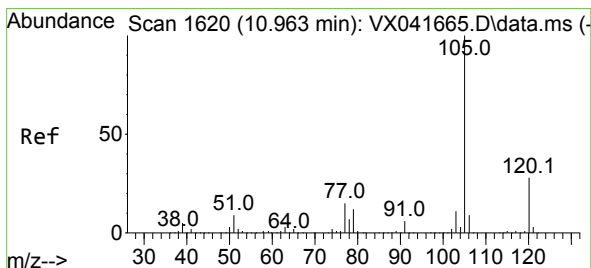
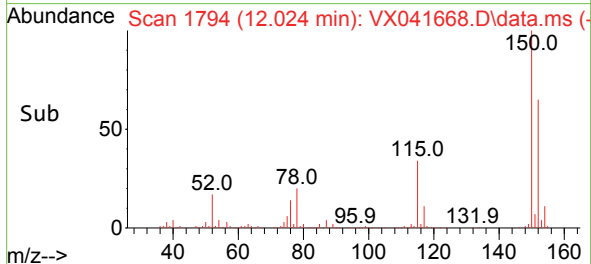
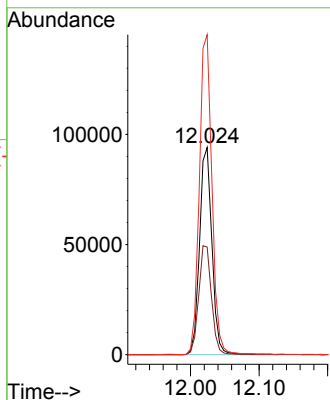
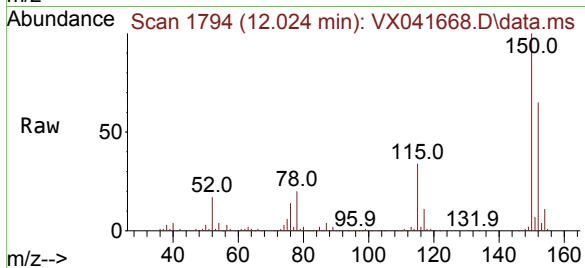




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX041668.D
 Acq: 29 May 2024 11:52

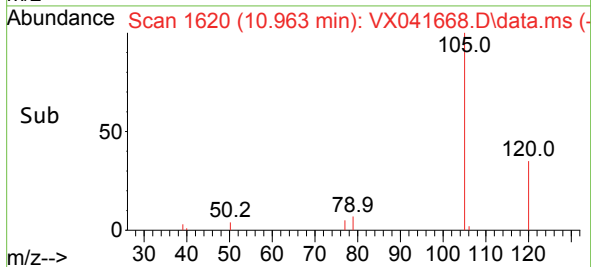
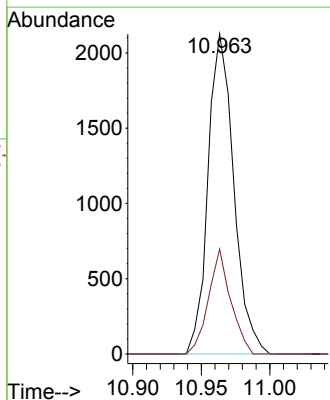
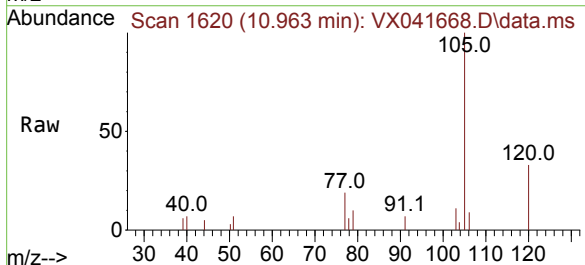
Instrument :
 MSVOA_X
 ClientSampleId :

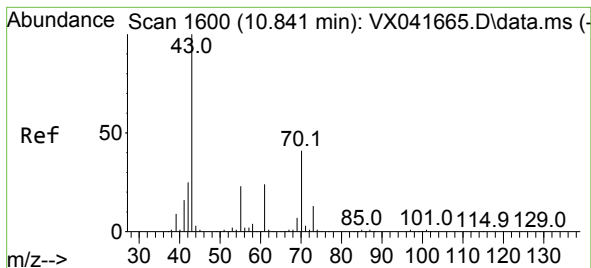
Tgt Ion:152 Resp: 118673
 Ion Ratio Lower Upper
 152 100
 115 54.2 43.3 129.9
 150 156.7 0.0 345.0



#73
 Isopropylbenzene
 Concen: 0.377 ug/l
 RT: 10.963 min Scan# 1620
 Delta R.T. 0.000 min
 Lab File: VX041668.D
 Acq: 29 May 2024 11:52

Tgt Ion:105 Resp: 2774
 Ion Ratio Lower Upper
 105 100
 120 28.2 12.9 38.6





#74

N-amy1 acetate

Concen: 0.228 ug/l

RT: 10.848 min Scan# 1600

Delta R.T. 0.006 min

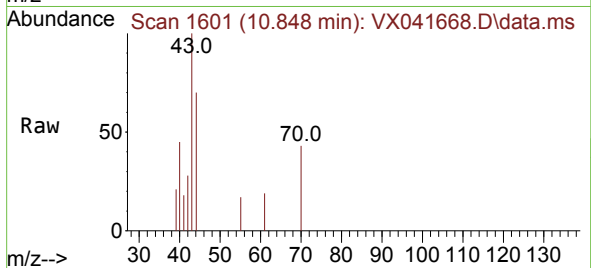
Lab File: VX041668.D

Acq: 29 May 2024 11:52

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 742

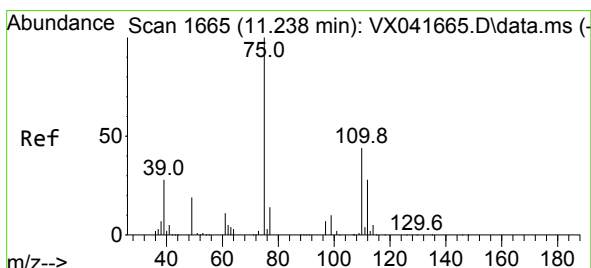
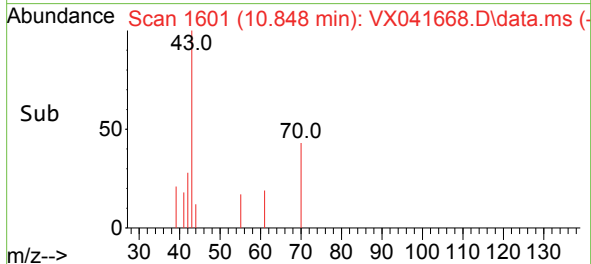
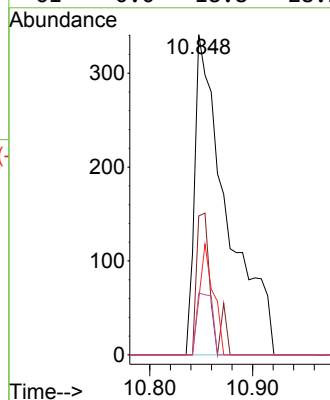
Ion Ratio Lower Upper

43 100

70 20.2 32.9 49.3#

55 15.0 19.3 28.9#

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 25.544 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041668.D

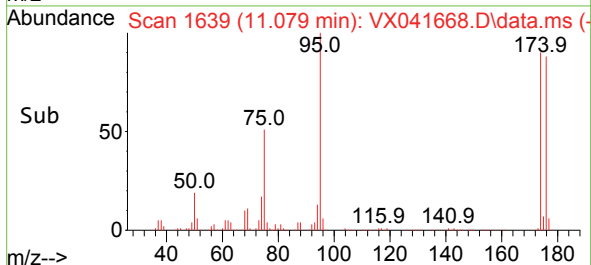
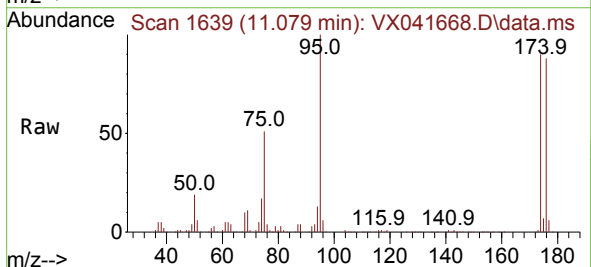
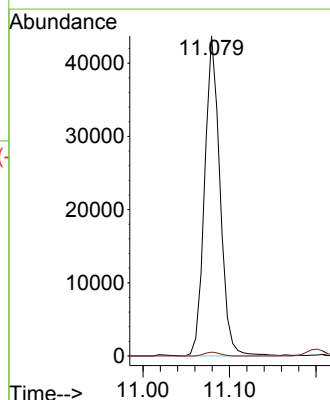
Acq: 29 May 2024 11:52

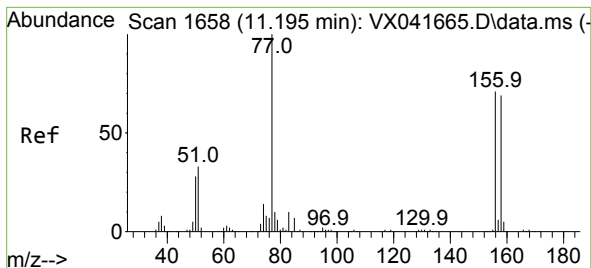
Tgt Ion: 75 Resp: 53871

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#





#77

Bromobenzene

Concen: 0.481 ug/l

RT: 11.201 min Scan# 1659

Delta R.T. 0.006 min

Lab File: VX041668.D

Acq: 29 May 2024 11:52

Instrument :

MSVOA_X

ClientSampleId :

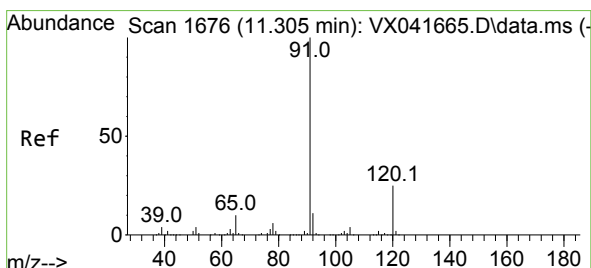
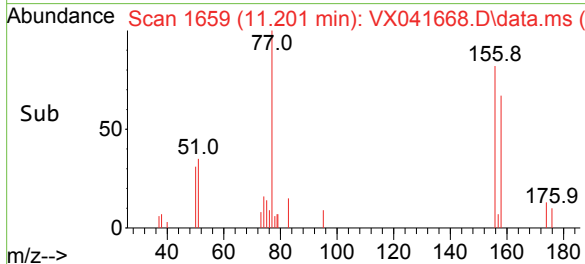
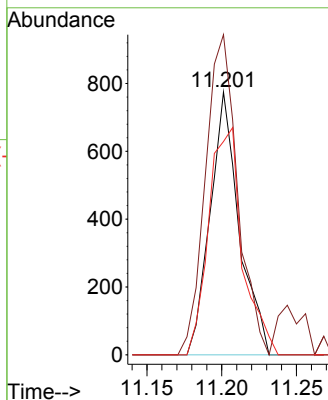
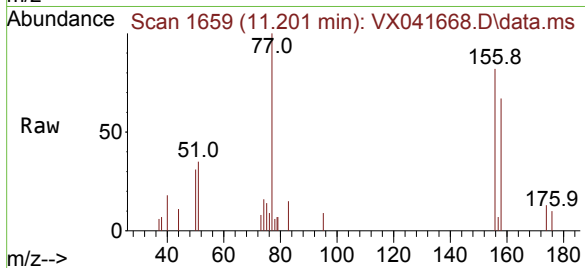
Tgt Ion:156 Resp: 1045

Ion Ratio Lower Upper

156 100

77 135.0 88.4 265.3

158 100.0 48.0 144.0



#78

n-propylbenzene

Concen: 0.562 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX041668.D

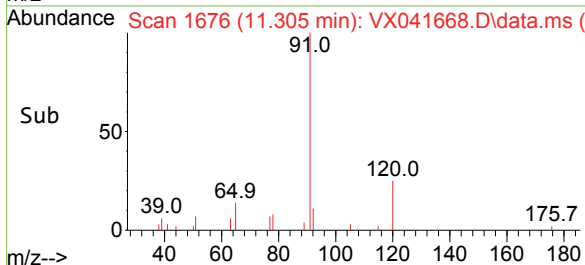
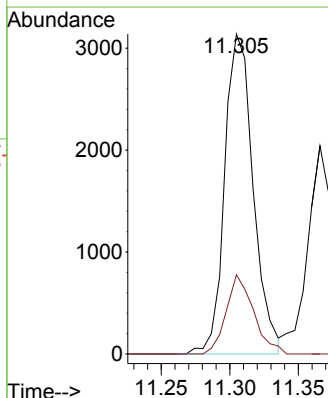
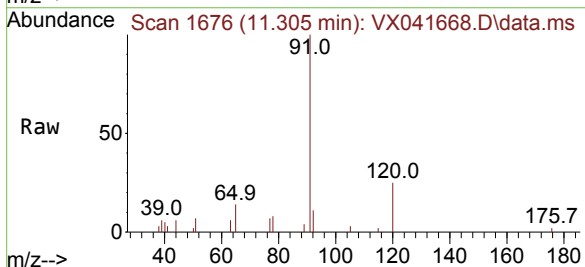
Acq: 29 May 2024 11:52

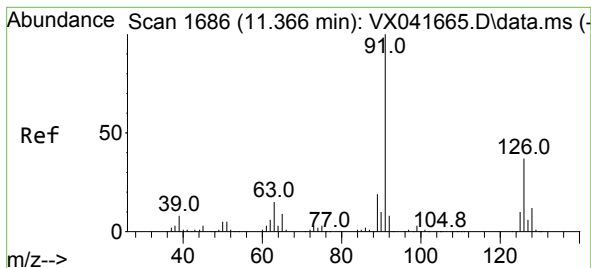
Tgt Ion: 91 Resp: 4544

Ion Ratio Lower Upper

91 100

120 23.8 11.5 34.4





#79

2-Chlorotoluene

Concen: 0.568 ug/l

RT: 11.366 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX041668.D

Acq: 29 May 2024 11:52

Instrument :

MSVOA_X

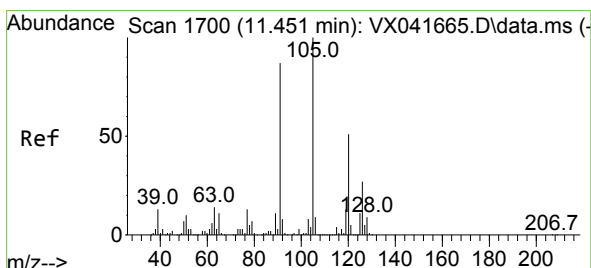
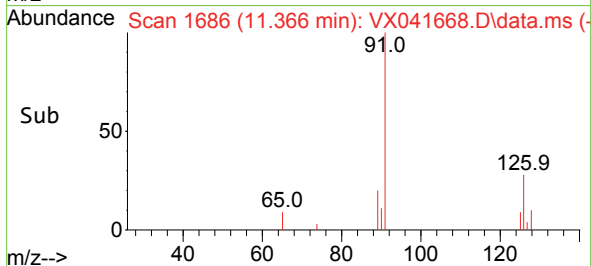
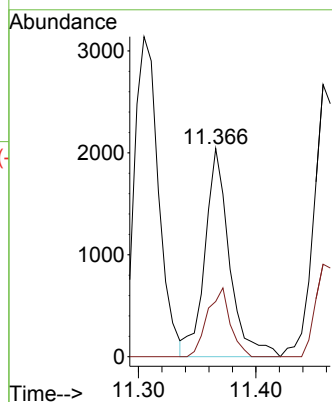
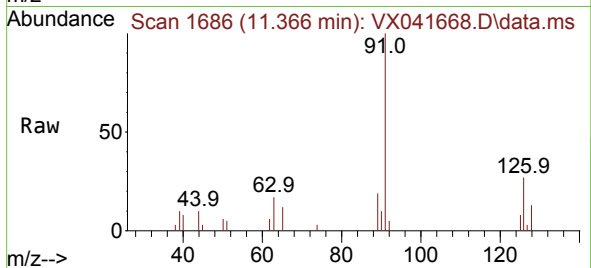
ClientSampleId :

Tgt Ion: 91 Resp: 2950

Ion Ratio Lower Upper

91 100

126 30.9 16.3 48.8



#80

1,3,5-Trimethylbenzene

Concen: 0.441 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX041668.D

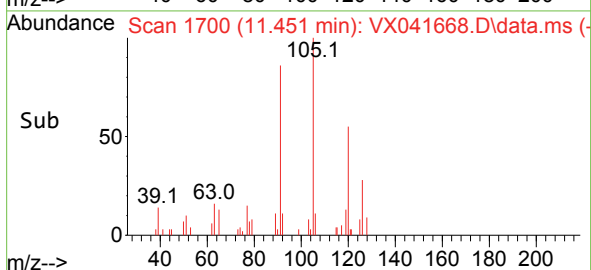
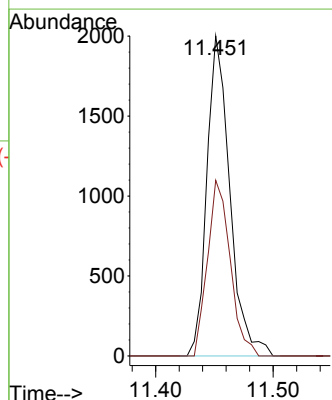
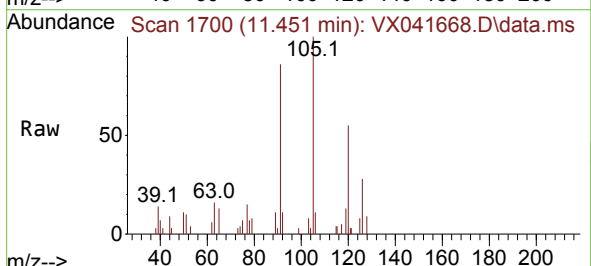
Acq: 29 May 2024 11:52

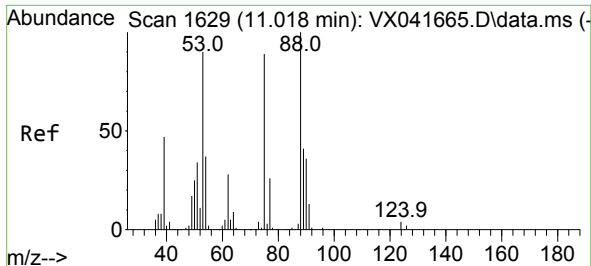
Tgt Ion: 105 Resp: 2710

Ion Ratio Lower Upper

105 100

120 54.4 24.1 72.3

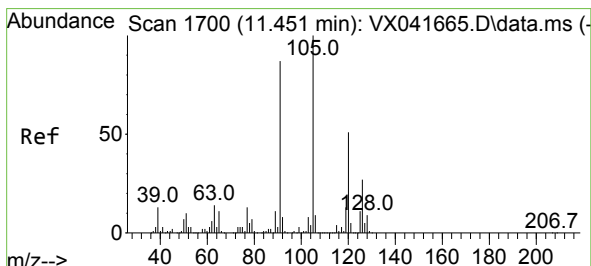
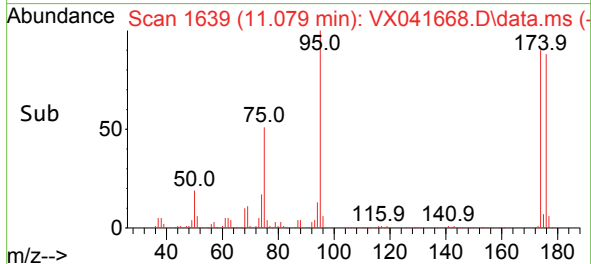
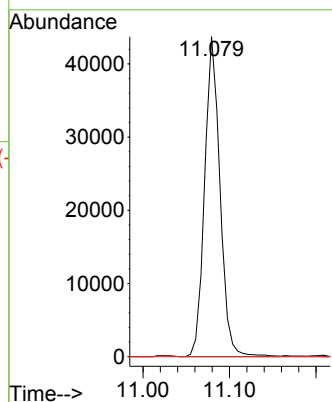
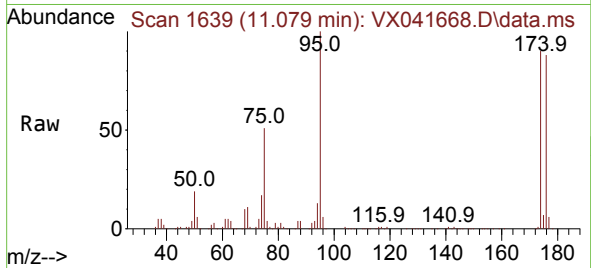




#81
trans-1,4-Dichloro-2-butene
Concen: 70.910 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX041668.D
Acq: 29 May 2024 11:52

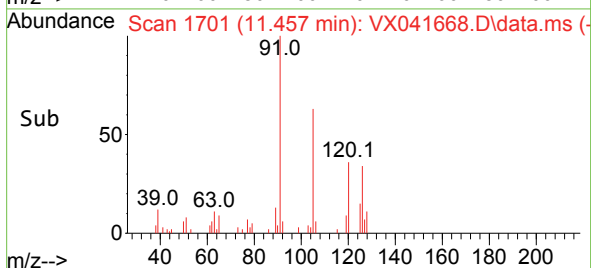
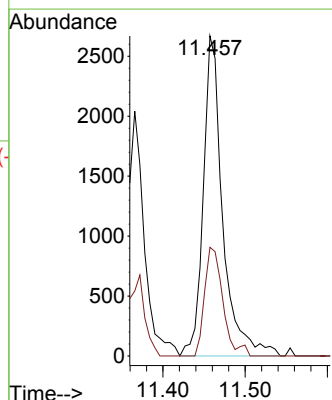
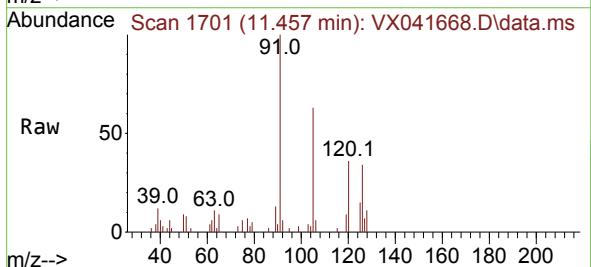
Instrument :
MSVOA_X
ClientSampleId :

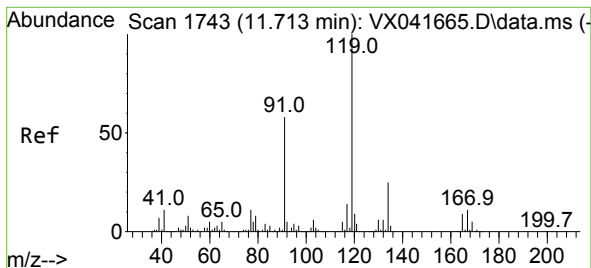
Tgt Ion: 75 Resp: 53871
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#82
4-Chlorotoluene
Concen: 0.743 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX041668.D
Acq: 29 May 2024 11:52

Tgt Ion: 91 Resp: 4394
Ion Ratio Lower Upper
91 100
126 32.0 14.2 42.6





#83

tert-Butylbenzene

Concen: 0.342 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX041668.D

Acq: 29 May 2024 11:52

Instrument :

MSVOA_X

ClientSampleId :

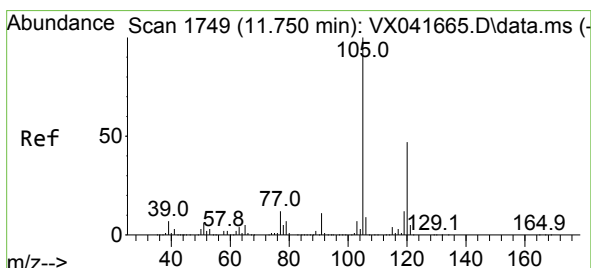
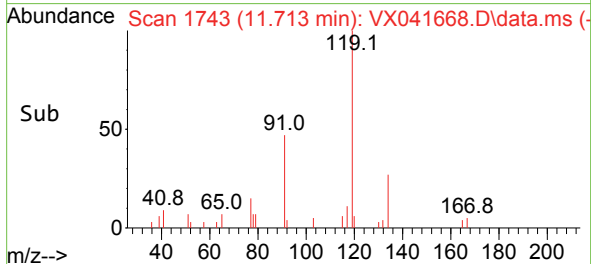
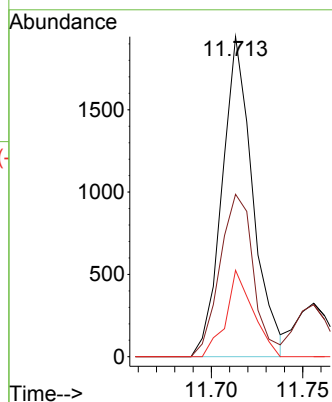
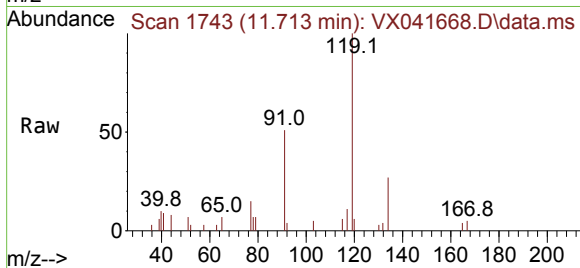
Tgt Ion:119 Resp: 2267

Ion Ratio Lower Upper

119 100

91 55.8 31.2 93.6

134 23.9 11.7 35.0



#84

1,2,4-Trimethylbenzene

Concen: 0.439 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VX041668.D

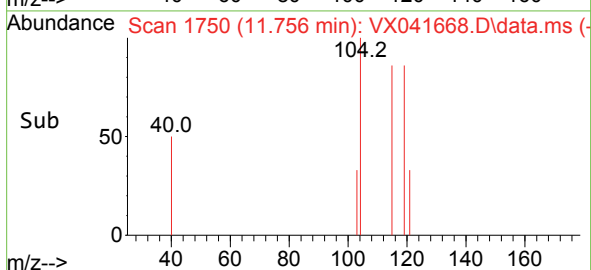
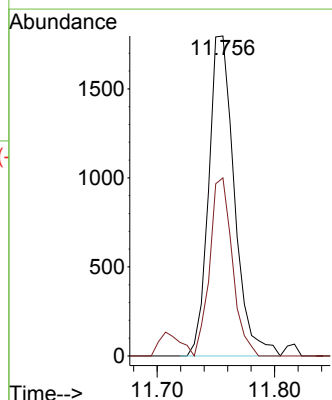
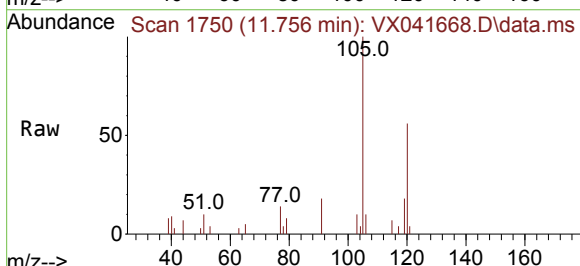
Acq: 29 May 2024 11:52

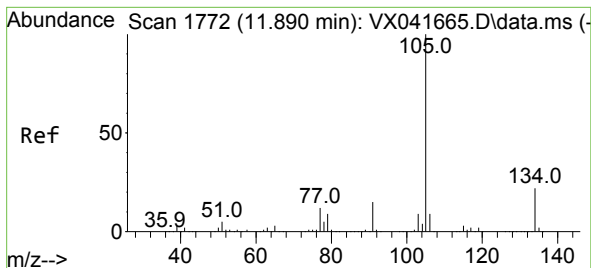
Tgt Ion:105 Resp: 2735

Ion Ratio Lower Upper

105 100

120 49.0 21.2 63.6





#85

sec-Butylbenzene

Concen: 0.427 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX041668.D

Acq: 29 May 2024 11:52

Instrument :

MSVOA_X

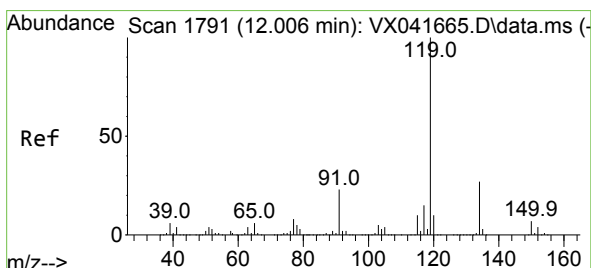
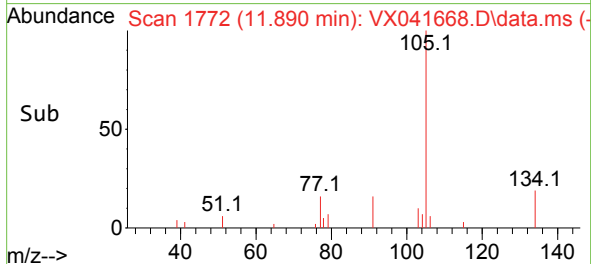
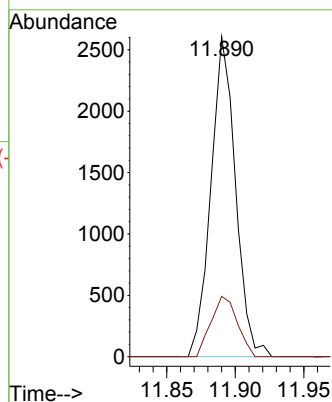
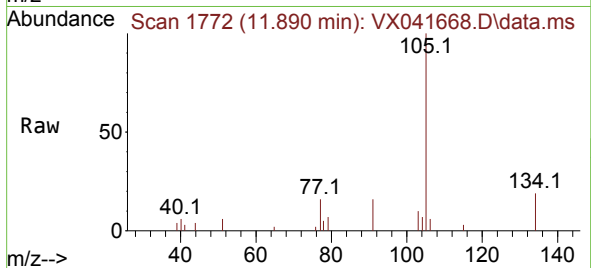
ClientSampleId :

Tgt Ion:105 Resp: 3244

Ion Ratio Lower Upper

105 100

134 20.2 9.8 29.4



#86

p-Isopropyltoluene

Concen: 0.513 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. 0.006 min

Lab File: VX041668.D

Acq: 29 May 2024 11:52

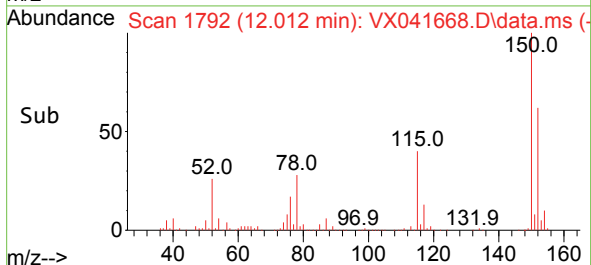
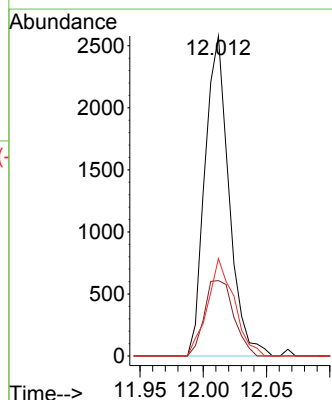
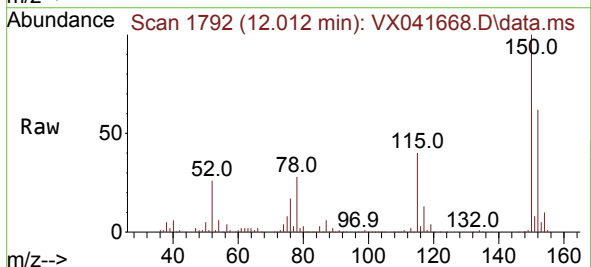
Tgt Ion:119 Resp: 3413

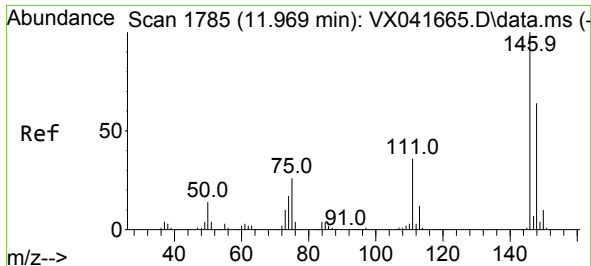
Ion Ratio Lower Upper

119 100

134 28.8 12.8 38.3

91 33.7 13.1 39.3





#87

1,3-Dichlorobenzene

Concen: 0.857 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

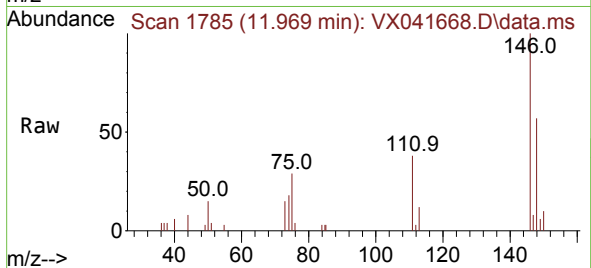
Lab File: VX041668.D

Acq: 29 May 2024 11:52

Instrument :

MSVOA_X

ClientSampleId :



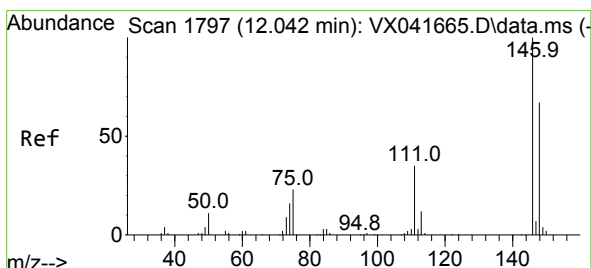
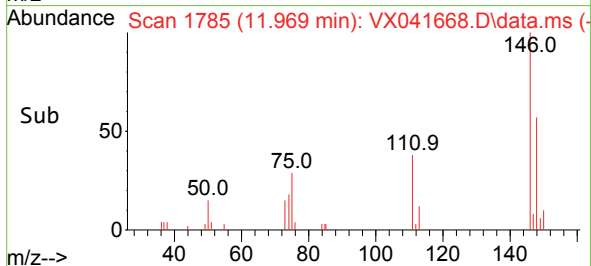
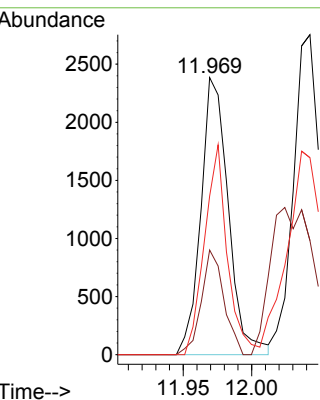
Tgt Ion:146 Resp: 3325

Ion Ratio Lower Upper

146 100

111 31.0 22.1 66.1

148 63.2 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.831 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.073 min

Lab File: VX041668.D

Acq: 29 May 2024 11:52

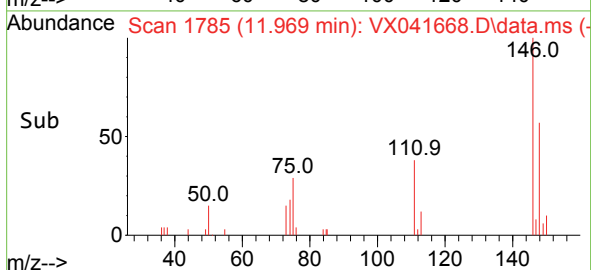
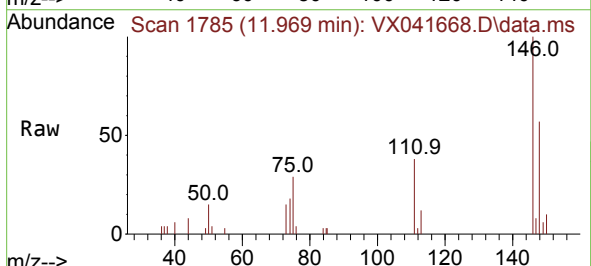
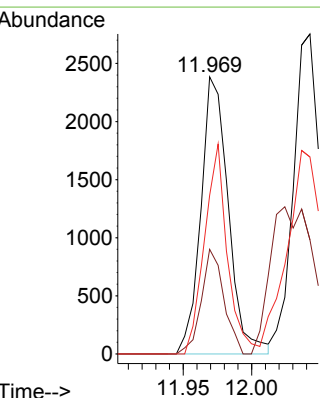
Tgt Ion:146 Resp: 3325

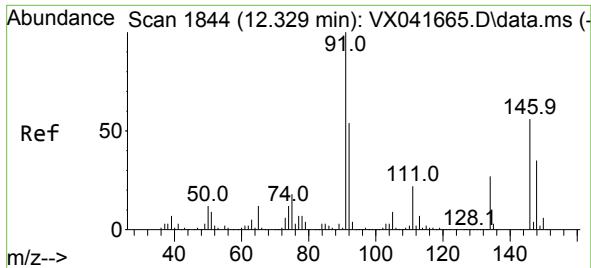
Ion Ratio Lower Upper

146 100

111 31.0 21.3 63.7

148 63.2 31.8 95.4

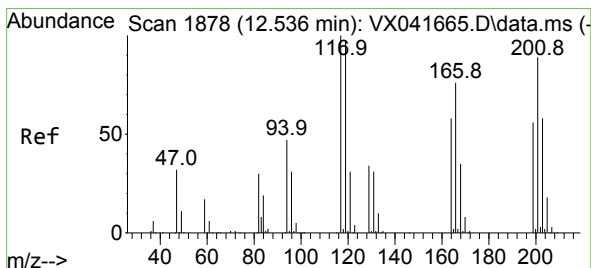
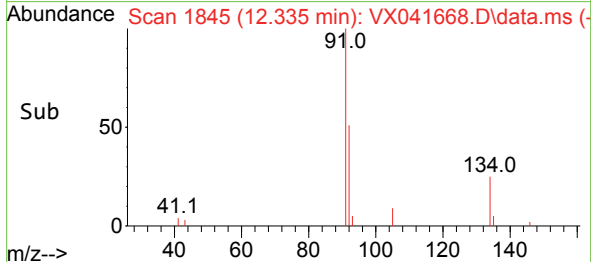
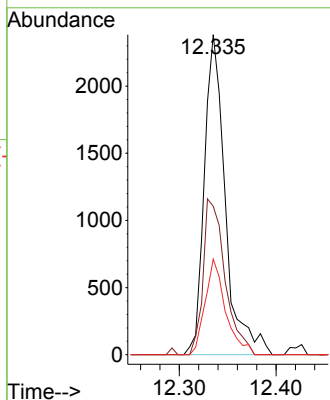
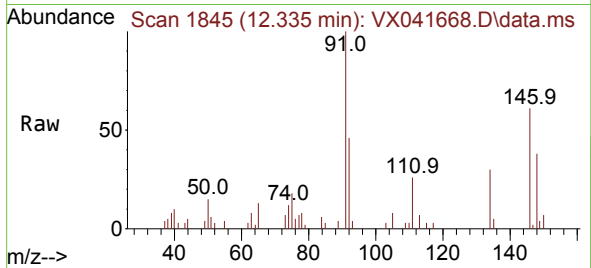




#89
n-Butylbenzene
Concen: 0.685 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX041668.D
Acq: 29 May 2024 11:52

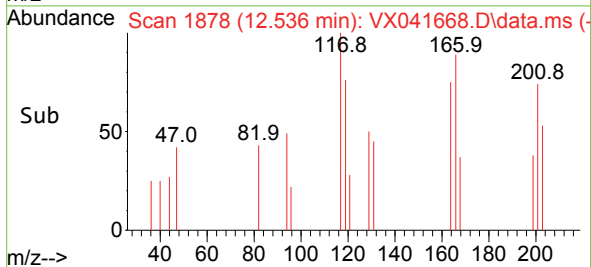
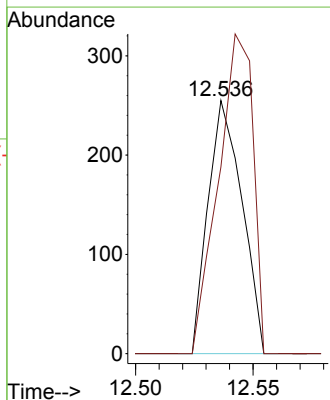
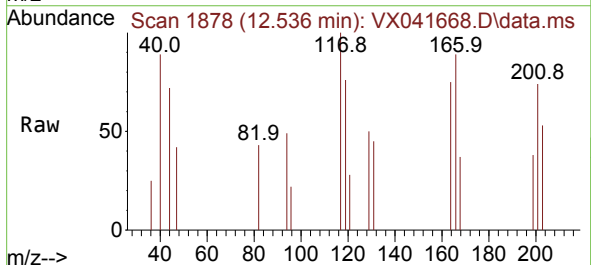
Instrument :
MSVOA_X
ClientSampleId :

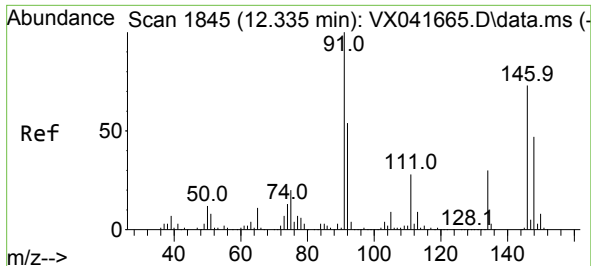
Tgt Ion: 91 Resp: 3609
Ion Ratio Lower Upper
91 100
92 50.7 27.4 82.0
134 29.2 12.6 37.8



#90
Hexachloroethane
Concen: 0.226 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX041668.D
Acq: 29 May 2024 11:52

Tgt Ion: 117 Resp: 256
Ion Ratio Lower Upper
117 100
201 128.9 32.9 98.6#





#91

1,2-Dichlorobenzene

Concen: 0.597 ug/l

RT: 12.341 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX041668.D

Acq: 29 May 2024 11:52

Instrument :

MSVOA_X

ClientSampleId :

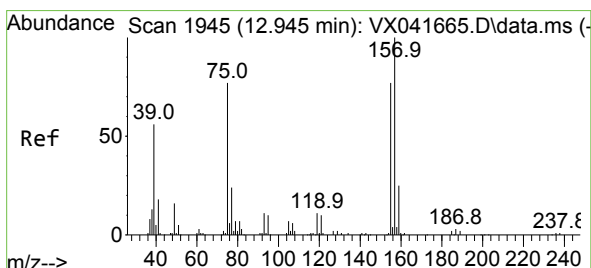
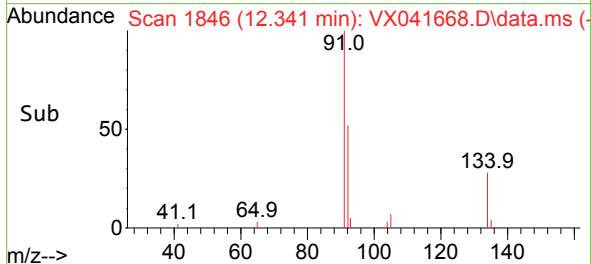
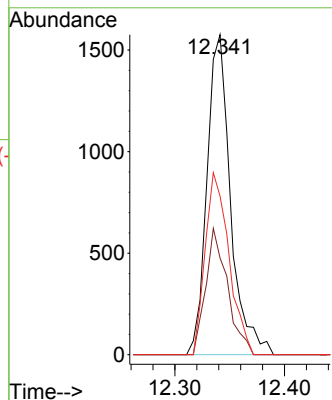
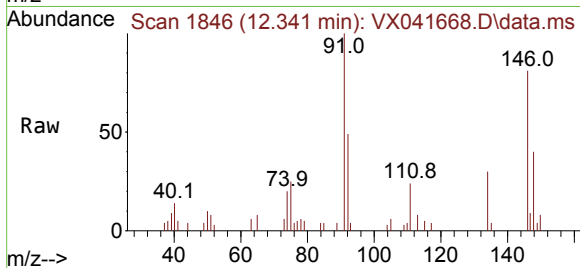
Tgt Ion:146 Resp: 2358

Ion Ratio Lower Upper

146 100

111 36.5 22.4 67.0

148 57.3 31.6 95.0



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.387 ug/l

RT: 12.945 min Scan# 1945

Delta R.T. 0.000 min

Lab File: VX041668.D

Acq: 29 May 2024 11:52

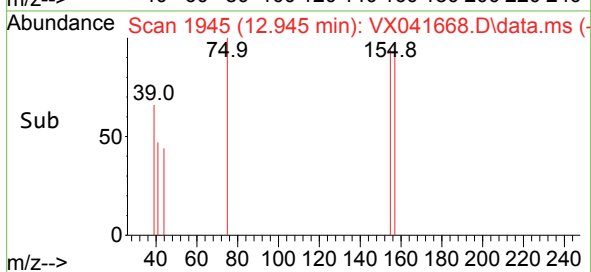
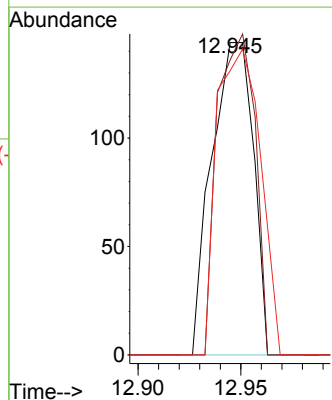
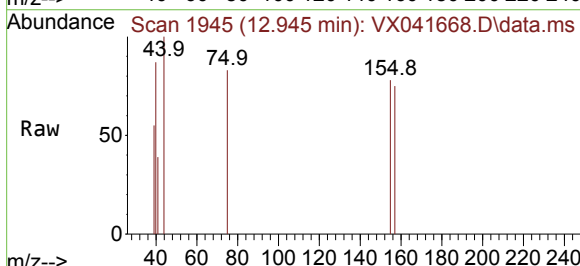
Tgt Ion: 75 Resp: 204

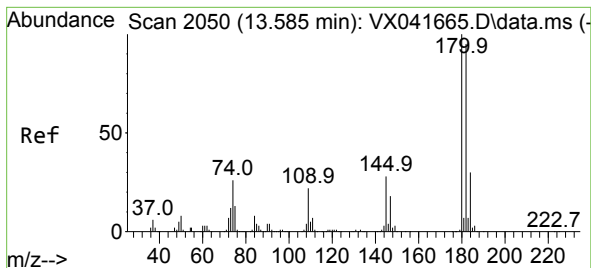
Ion Ratio Lower Upper

75 100

155 92.2 36.1 108.5

157 102.0 44.9 134.7





#93

1,2,4-Trichlorobenzene

Concen: 1.407 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX041668.D

Acq: 29 May 2024 11:52

Instrument :

MSVOA_X

ClientSampleId :

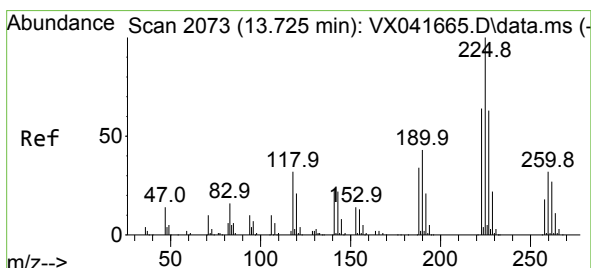
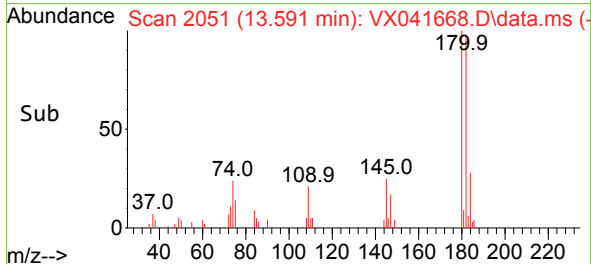
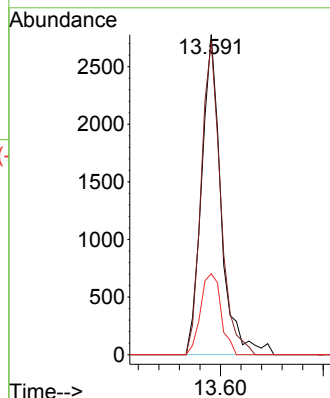
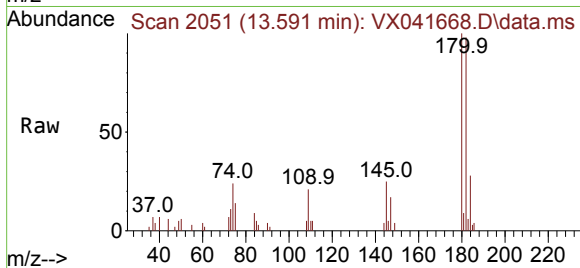
Tgt Ion:180 Resp: 3666

Ion Ratio Lower Upper

180 100

182 97.0 48.3 144.8

145 26.6 18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.691 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX041668.D

Acq: 29 May 2024 11:52

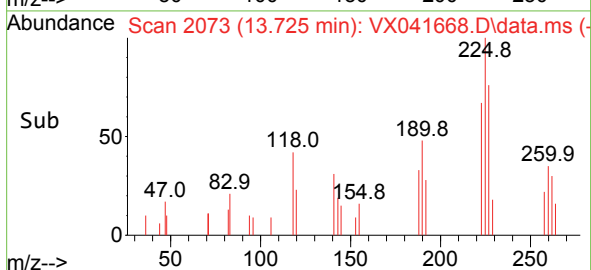
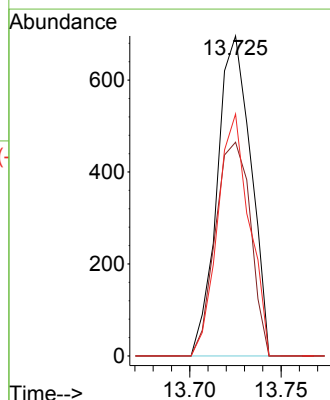
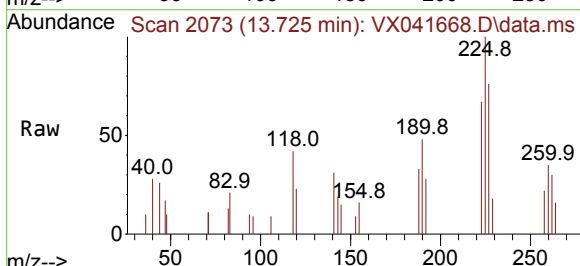
Tgt Ion:225 Resp: 892

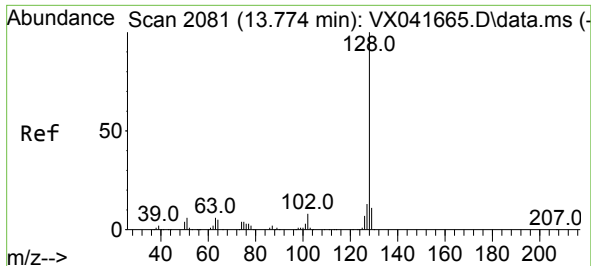
Ion Ratio Lower Upper

225 100

223 69.7 31.1 93.2

227 71.5 32.5 97.5

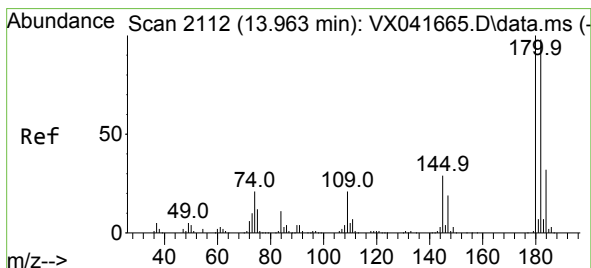
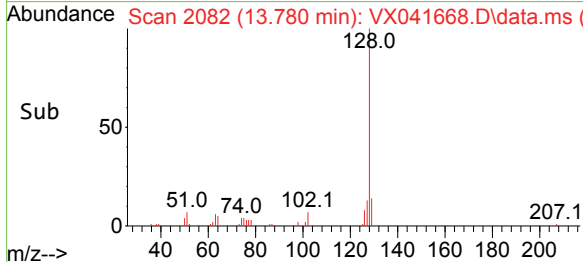
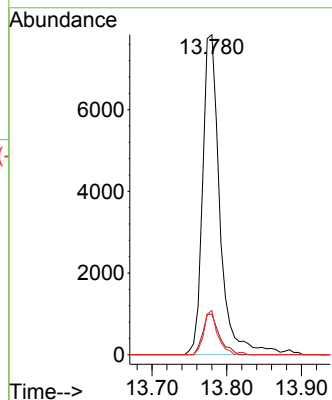
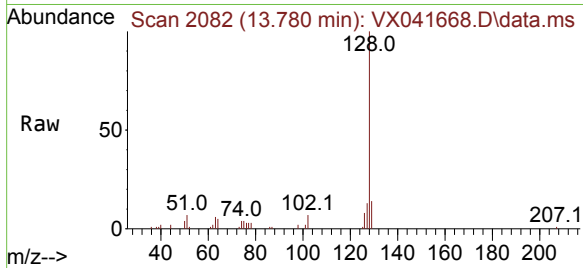




#95
Naphthalene
Concen: 1.634 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX041668.D
Acq: 29 May 2024 11:52

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:128	Resp:	12561
Ion Ratio	Lower	Upper
128	100	
127	12.1	10.3 15.5
129	11.1	8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 1.570 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX041668.D
Acq: 29 May 2024 11:52

Tgt Ion:180	Resp:	4210
Ion Ratio	Lower	Upper
180	100	
182	94.9	46.9 140.6
145	29.3	17.8 53.5

