

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050222\
 Data File : VX028469.D
 Acq On : 02 May 2022 12:33
 Operator : JC/MD
 Sample : VX0502MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502MBL01

Quant Time: May 03 04:49:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

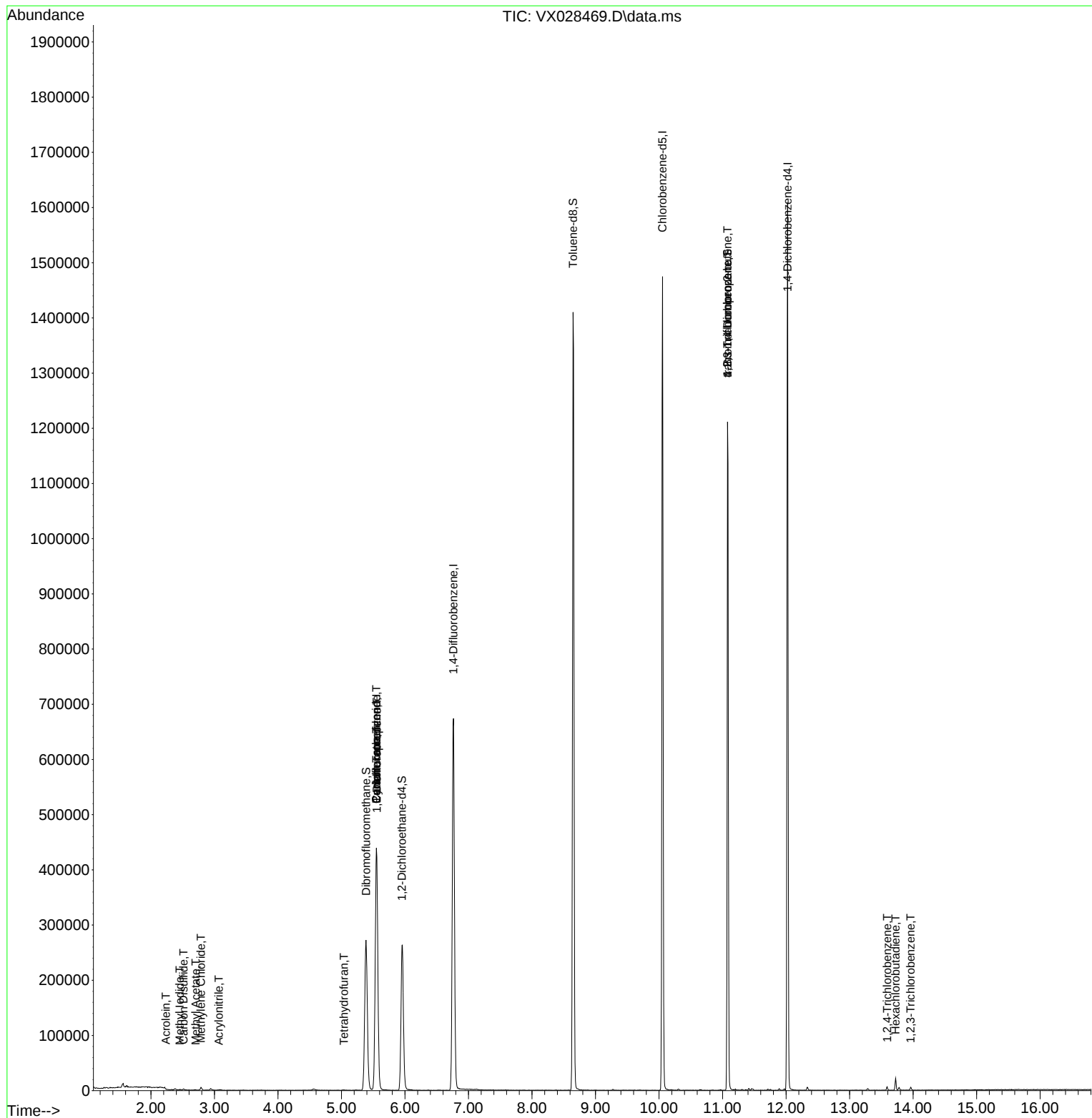
Internal Standards						
1) Pentafluorobenzene	5.550	168	436882	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	735290	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	696484	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	332574	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	248612	43.643	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	87.280%		
35) Dibromofluoromethane	5.385	113	235794	45.727	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	91.460%		
50) Toluene-d8	8.647	98	864693	43.660	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	87.320%		
62) 4-Bromofluorobenzene	11.079	95	311441	41.127	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	82.260%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	520	Below Cal		99
5) Bromomethane	1.617	94	1687	Below Cal		93
6) Chloroethane	1.660	64	775	Below Cal	#	80
8) Diethyl Ether	1.959	74	28	Below Cal	#	1
10) Methyl Iodide	2.453	142	972	5.414 ug/l	#	84
11) Tert butyl alcohol	2.953	59	1730	Below Cal	#	72
13) Acrolein	2.233	56	292	0.418 ug/l	#	53
15) Acrylonitrile	3.068	53	518	0.223 ug/l	#	92
16) Acetone	2.380	43	2166	Below Cal	#	83
17) Carbon Disulfide	2.514	76	1928	0.213 ug/l		98
18) Methyl Acetate	2.703	43	1081	0.213 ug/l	#	71
20) Methylene Chloride	2.788	84	2232	0.528 ug/l		93
29) Tetrahydrofuran	5.038	42	475	0.216 ug/l	#	56
31) Cyclohexane	5.550	56	7846	1.131 ug/l	#	10
36) 1,1-Dichloropropene	5.556	75	31376	4.665 ug/l	#	49
38) Carbon Tetrachloride	5.550	117	42819	5.639 ug/l	#	16
76) 1,2,3-Trichloropropane	11.079	75	152961	23.370 ug/l	#	38
81) trans-1,4-Dichloro-2-b...	11.079	75	152961	69.449 ug/l	#	15
93) 1,2,4-Trichlorobenzene	13.591	180	1546	0.234 ug/l		95
94) Hexachlorobutadiene	13.725	225	3119	1.058 ug/l		85
96) 1,2,3-Trichlorobenzene	13.963	180	1679	0.259 ug/l		95

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

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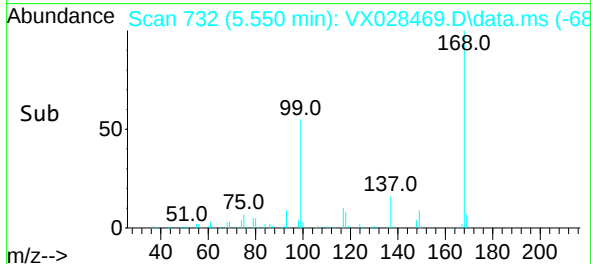
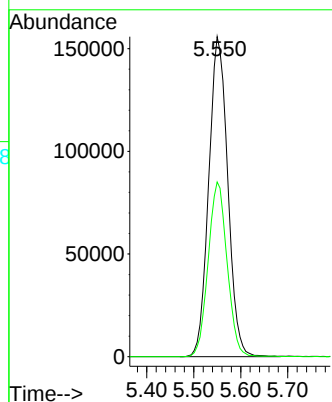
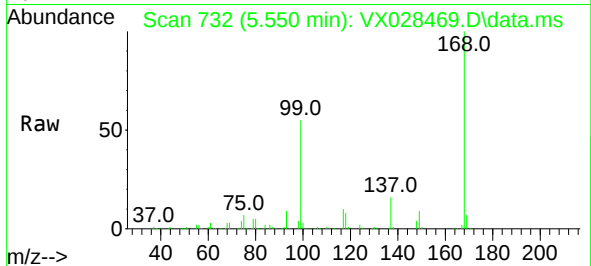




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX028469.D
Acq: 02 May 2022 12:33

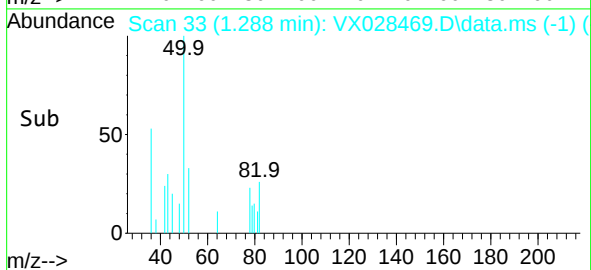
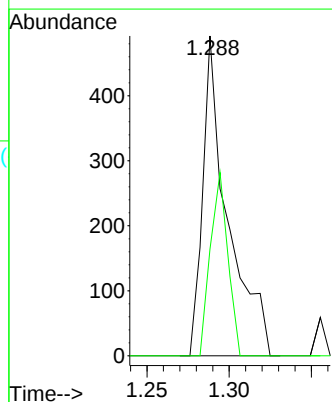
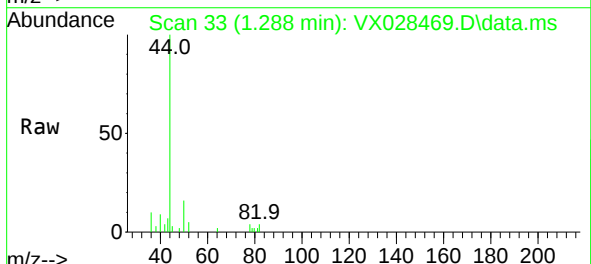
Instrument :
MSVOA_X
ClientSampleId :
VX0502MBL01

Tgt Ion:168 Resp: 436882
Ion Ratio Lower Upper
168 100
99 54.6 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX028469.D
Acq: 02 May 2022 12:33

Tgt Ion: 50 Resp: 520
Ion Ratio Lower Upper
50 100
52 33.3 26.4 39.6

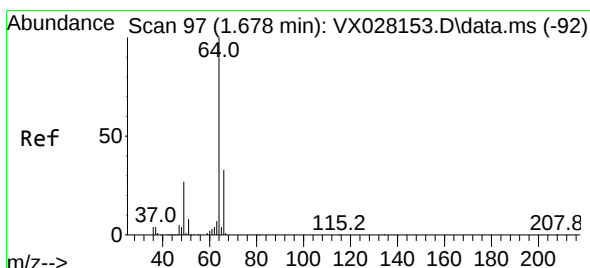
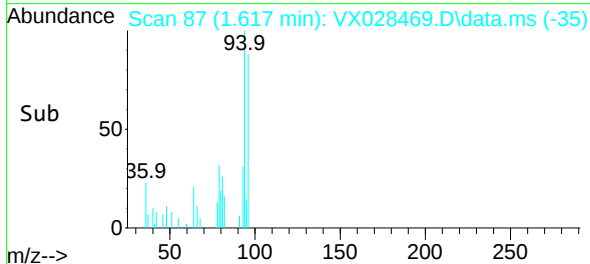
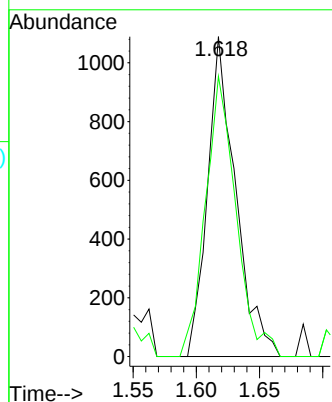
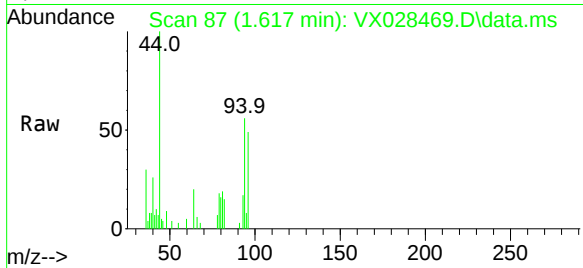




#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX028469.D
Acq: 02 May 2022 12:33

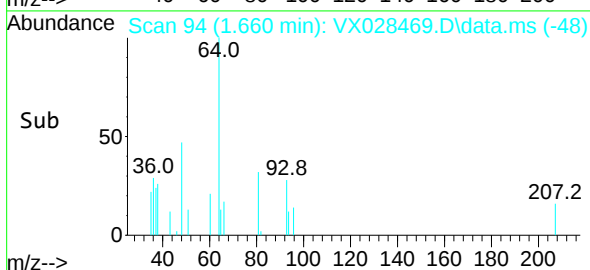
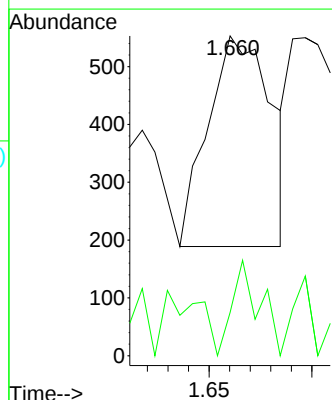
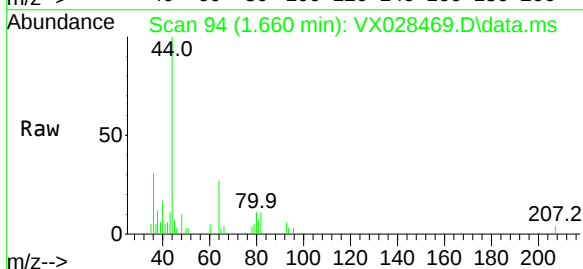
Instrument :
MSVOA_X
ClientSampleId :
VX0502MBL01

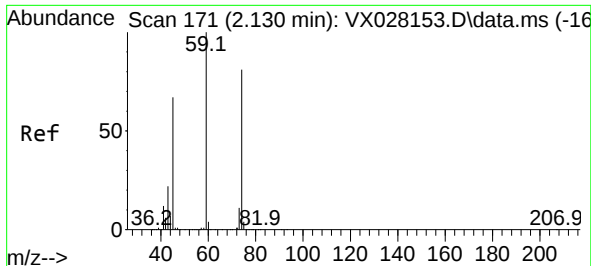
Tgt Ion: 94 Resp: 1687
Ion Ratio Lower Upper
94 100
96 87.6 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.660 min Scan# 94
Delta R.T. -0.018 min
Lab File: VX028469.D
Acq: 02 May 2022 12:33

Tgt Ion: 64 Resp: 775
Ion Ratio Lower Upper
64 100
66 20.6 25.3 37.9#

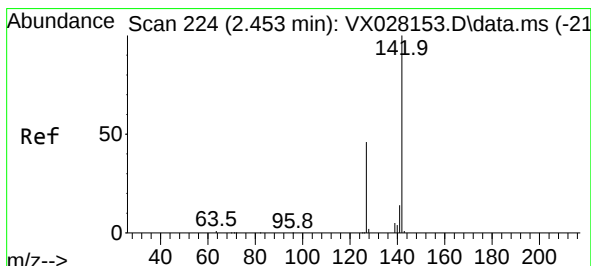
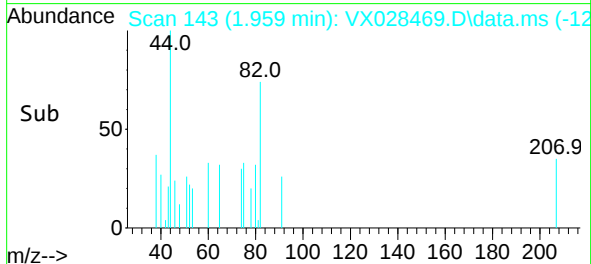
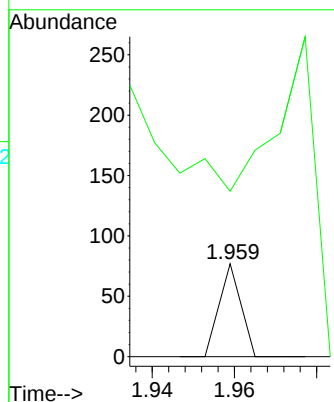
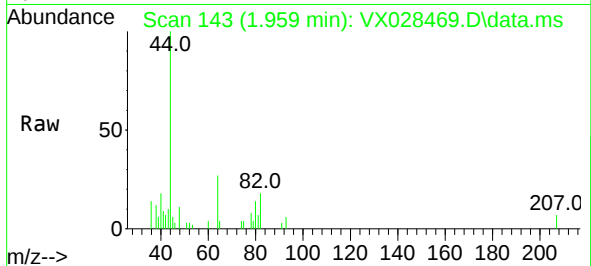




#8
Diethyl Ether
Concen: Below Cal
RT: 1.959 min Scan# 14
Delta R.T. -0.171 min
Lab File: VX028469.D
Acq: 02 May 2022 12:33

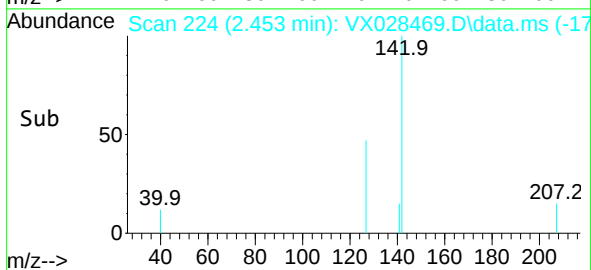
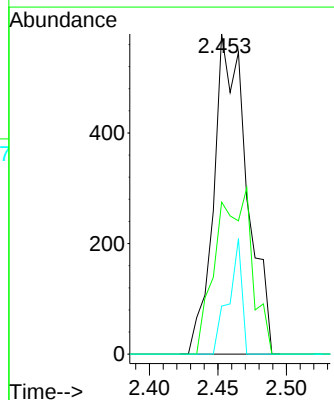
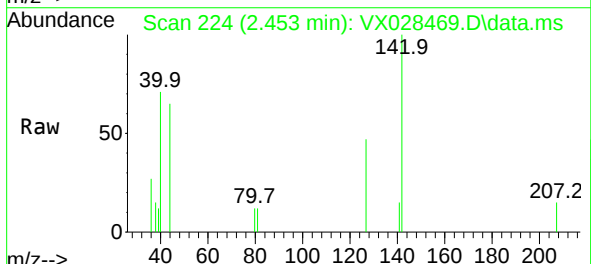
Instrument :
MSVOA_X
ClientSampleId :
VX0502MBL01

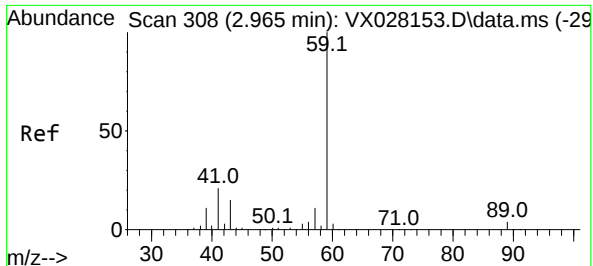
Tgt Ion: 74 Resp: 28
Ion Ratio Lower Upper
74 100
45 810.7 42.0 126.0#



#10
Methyl Iodide
Concen: 5.414 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX028469.D
Acq: 02 May 2022 12:33

Tgt Ion:142 Resp: 972
Ion Ratio Lower Upper
142 100
127 55.7 33.9 50.9#
141 14.6 11.4 17.2





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.953 min Scan# 308

Delta R.T. -0.012 min

Lab File: VX028469.D

Acq: 02 May 2022 12:33

Instrument :

MSVOA_X

ClientSampleId :

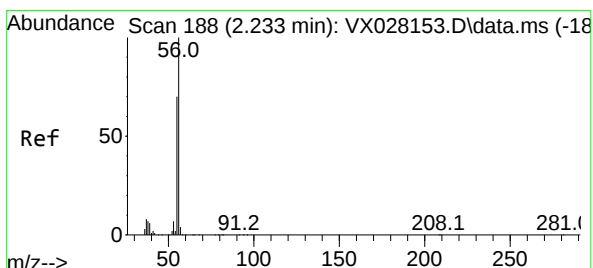
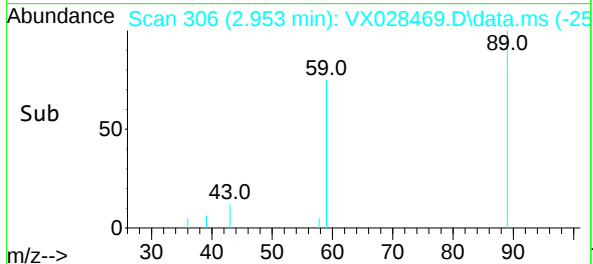
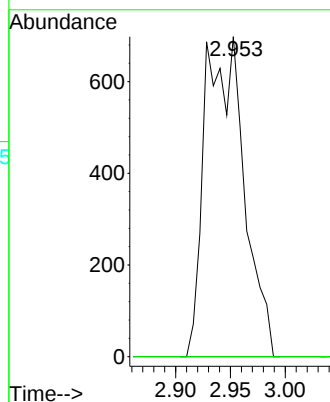
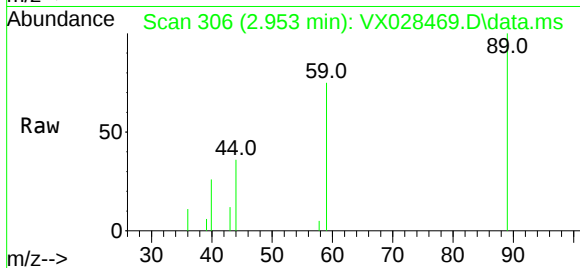
VX0502MBL01

Tgt Ion: 59 Resp: 1730

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#13

Acrolein

Concen: 0.418 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX028469.D

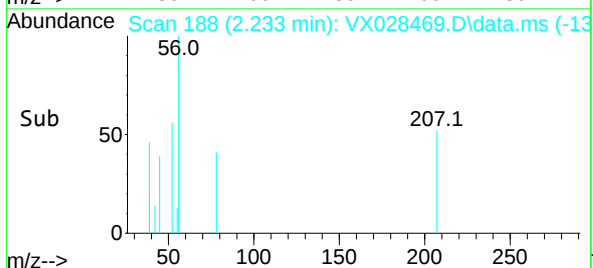
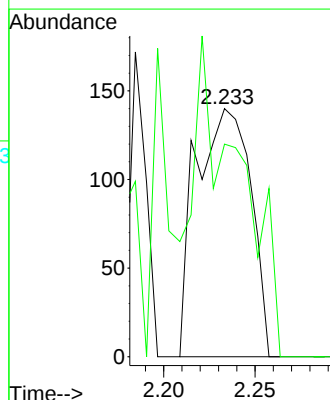
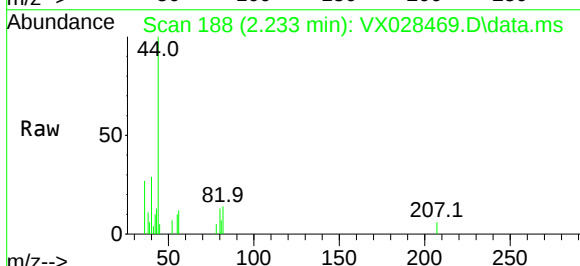
Acq: 02 May 2022 12:33

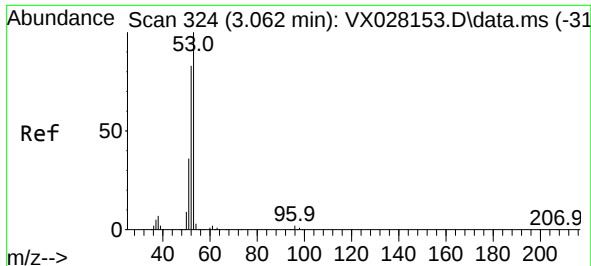
Tgt Ion: 56 Resp: 292

Ion Ratio Lower Upper

56 100

55 106.8 55.0 82.6#





#15

Acrylonitrile

Concen: 0.223 ug/l

RT: 3.068 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX028469.D

Acq: 02 May 2022 12:33

Instrument :

MSVOA_X

ClientSampleId :

VX0502MBL01

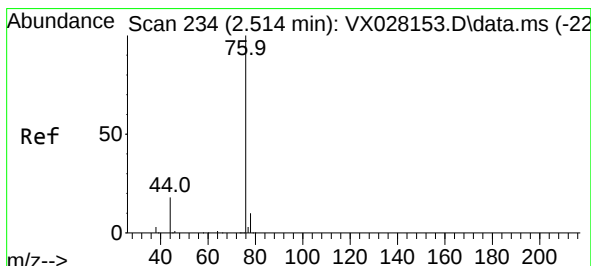
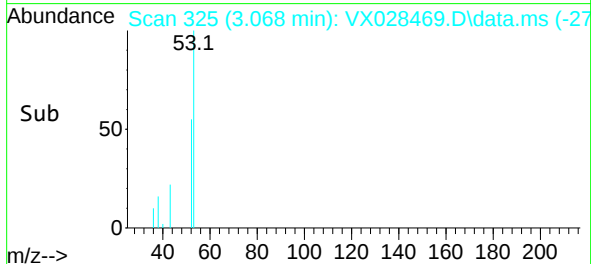
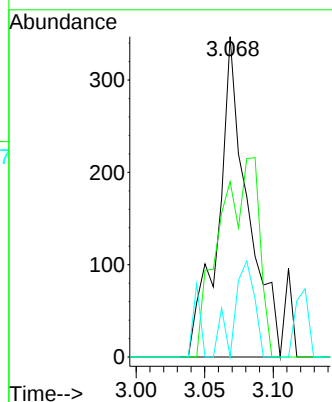
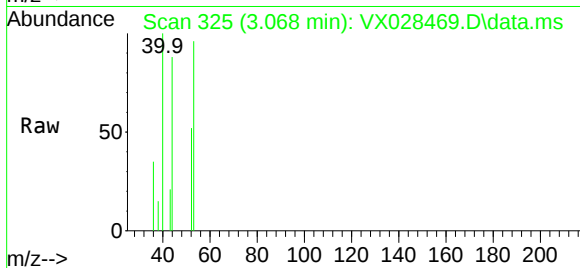
Tgt Ion: 53 Resp: 518

Ion Ratio Lower Upper

53 100

52 83.4 65.7 98.5

51 21.4 28.4 42.6#



#17

Carbon Disulfide

Concen: 0.213 ug/l

RT: 2.514 min Scan# 234

Delta R.T. -0.000 min

Lab File: VX028469.D

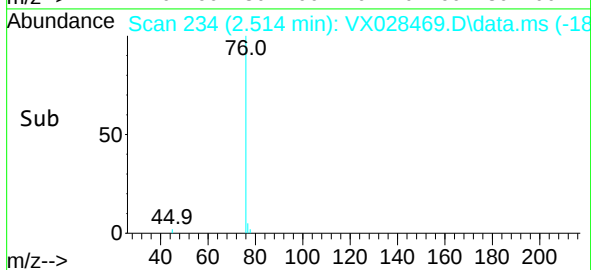
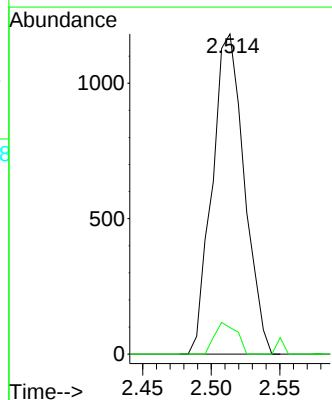
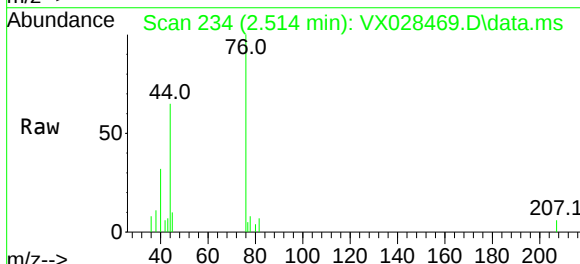
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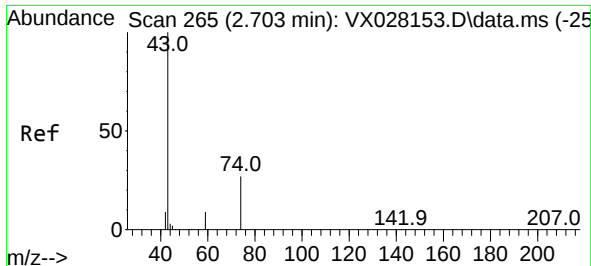
Tgt Ion: 76 Resp: 1928

Ion Ratio Lower Upper

76 100

78 8.3 7.2 10.8

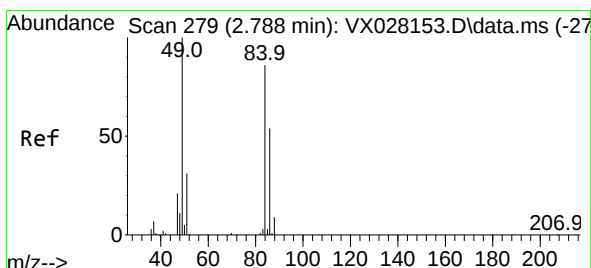
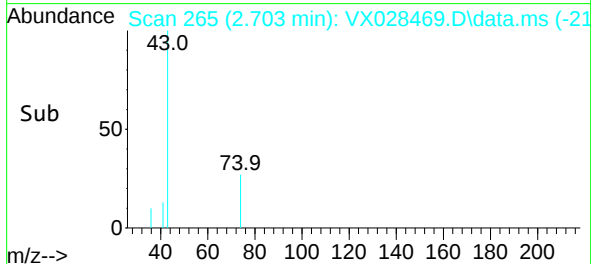
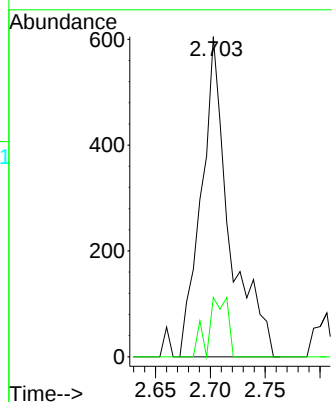
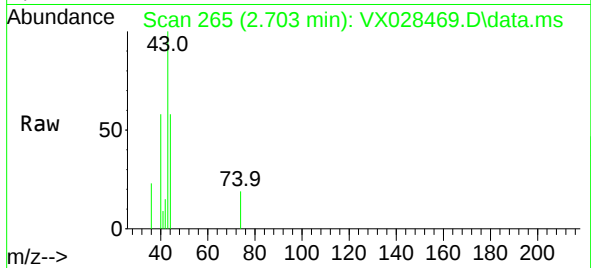




#18
Methyl Acetate
Concen: 0.213 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX028469.D
Acq: 02 May 2022 12:33

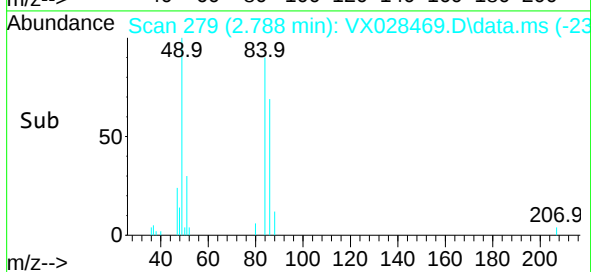
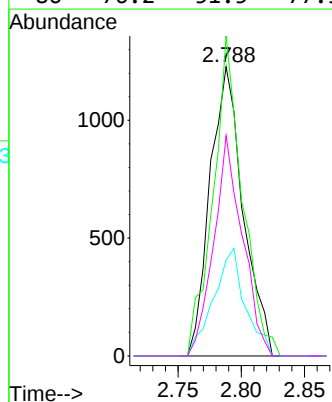
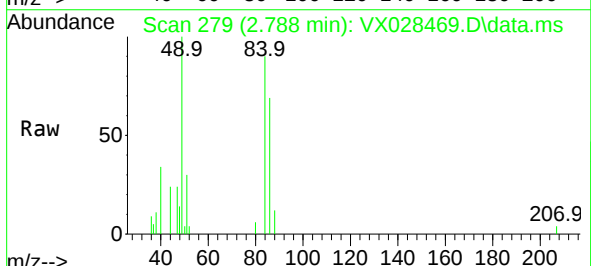
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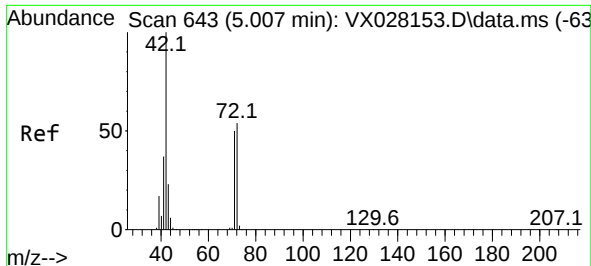
Tgt Ion: 43 Resp: 1081
Ion Ratio Lower Upper
43 100
74 13.0 22.8 34.2#



#20
Methylene Chloride
Concen: 0.528 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX028469.D
Acq: 02 May 2022 12:33

Tgt Ion: 84 Resp: 2232
Ion Ratio Lower Upper
84 100
49 110.7 85.5 128.3
51 33.2 26.6 39.8
86 76.2 51.5 77.3





#29

Tetrahydrofuran

Concen: 0.216 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.031 min

Lab File: VX028469.D

Acq: 02 May 2022 12:33

Instrument :

MSVOA_X

ClientSampleId :

VX0502MBL01

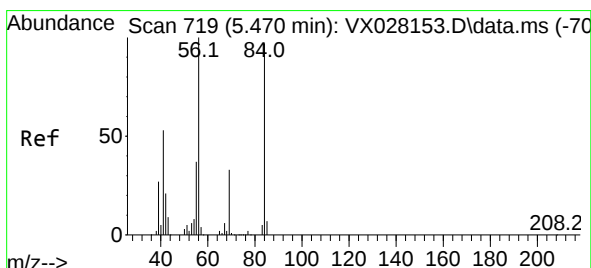
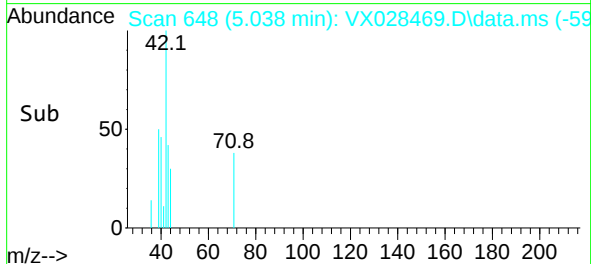
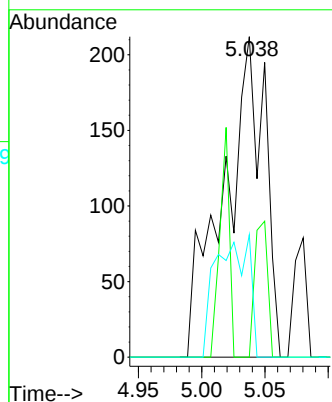
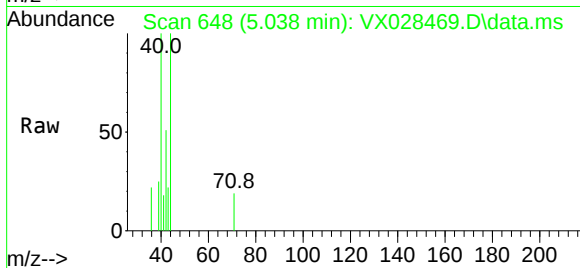
Tgt Ion: 42 Resp: 475

Ion Ratio Lower Upper

42 100

72 13.5 44.1 66.1#

71 30.9 40.5 60.7#



#31

Cyclohexane

Concen: 1.131 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX028469.D

Acq: 02 May 2022 12:33

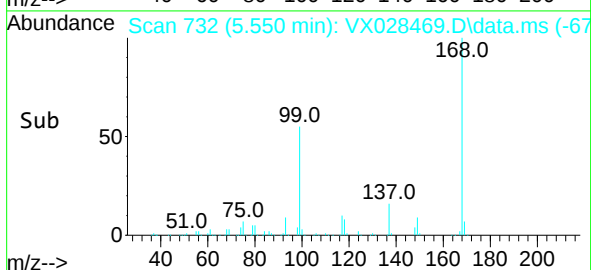
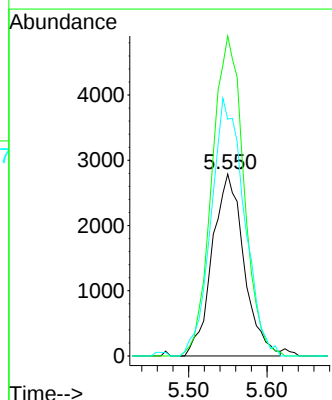
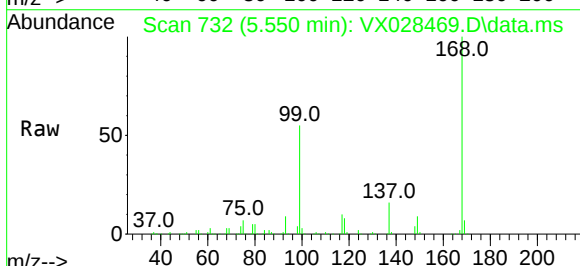
Tgt Ion: 56 Resp: 7846

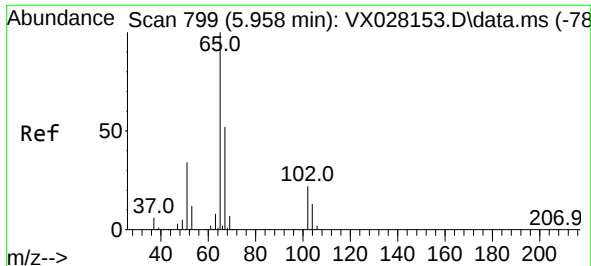
Ion Ratio Lower Upper

56 100

69 175.9 26.7 40.1#

84 130.2 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 43.643 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX028469.D

Acq: 02 May 2022 12:33

Instrument :

MSVOA_X

ClientSampleId :

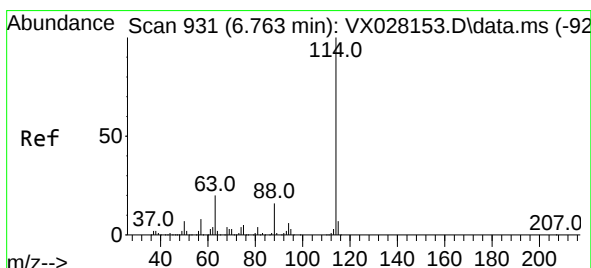
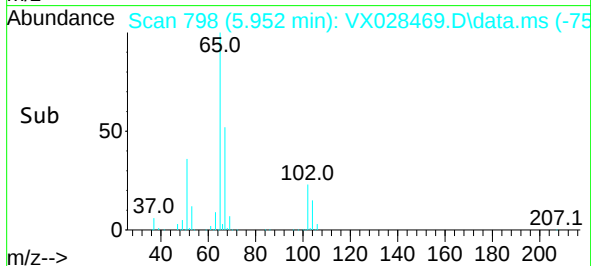
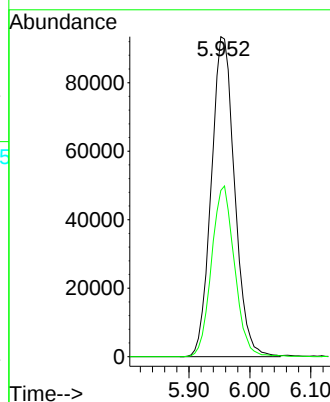
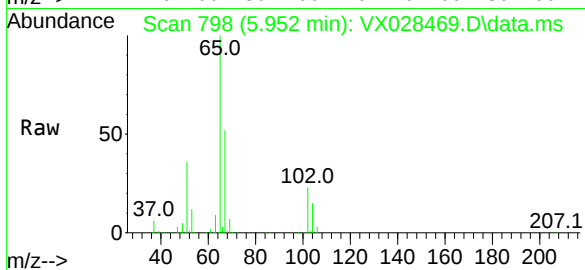
VX0502MBL01

Tgt Ion: 65 Resp: 248612

Ion Ratio Lower Upper

65 100

67 52.7 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX028469.D

Acq: 02 May 2022 12:33

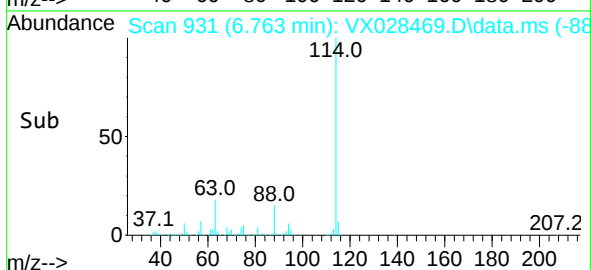
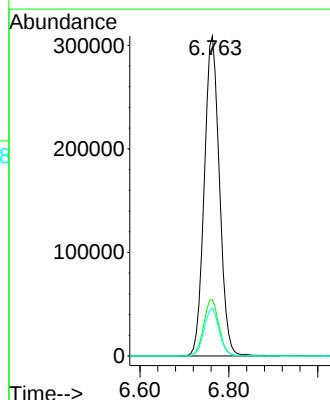
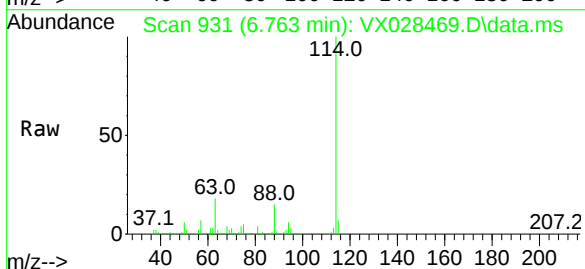
Tgt Ion: 114 Resp: 735290

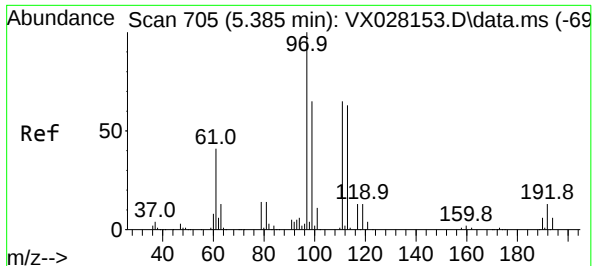
Ion Ratio Lower Upper

114 100

63 17.5 0.0 36.8

88 15.0 0.0 32.4

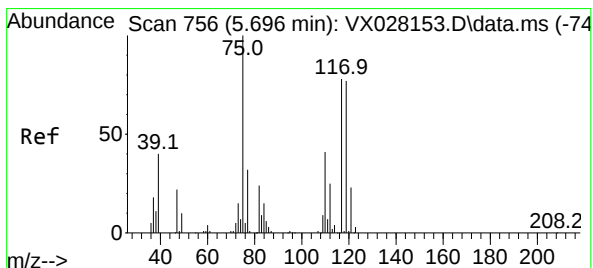
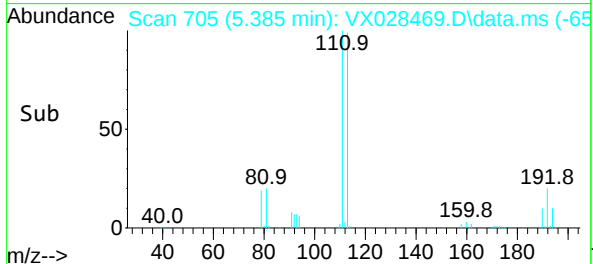
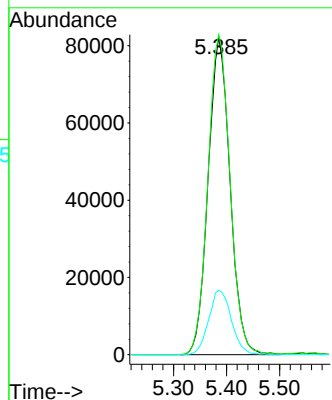
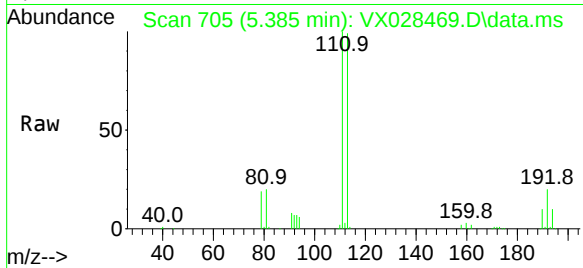




#35
Dibromofluoromethane
Concen: 45.727 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX028469.D
Acq: 02 May 2022 12:33

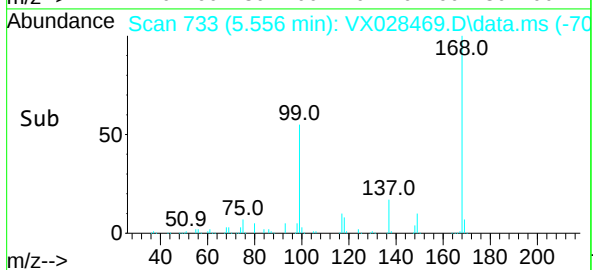
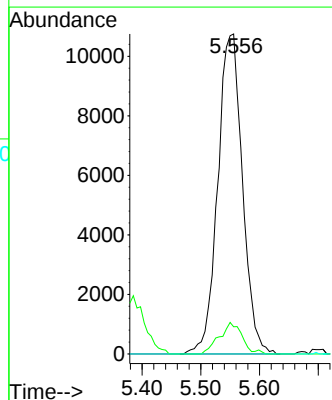
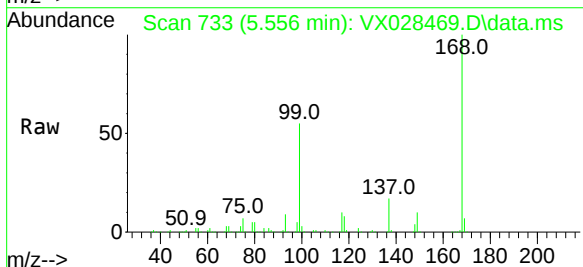
Instrument :
MSVOA_X
ClientSampleId :
VX0502MBL01

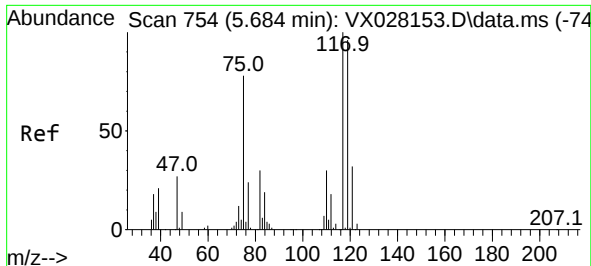
Tgt Ion:113 Resp: 235794
Ion Ratio Lower Upper
113 100
111 102.0 82.8 124.2
192 21.1 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.665 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX028469.D
Acq: 02 May 2022 12:33

Tgt Ion: 75 Resp: 31376
Ion Ratio Lower Upper
75 100
110 9.1 18.3 54.8#
77 0.0 24.8 37.2#

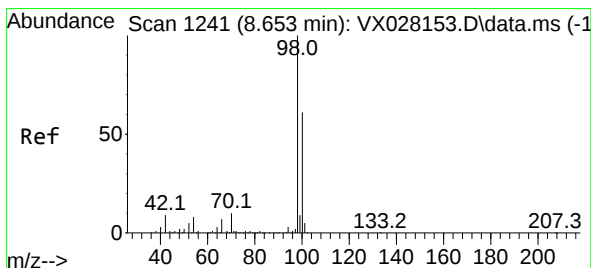
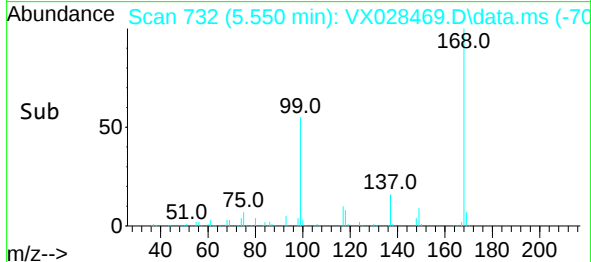
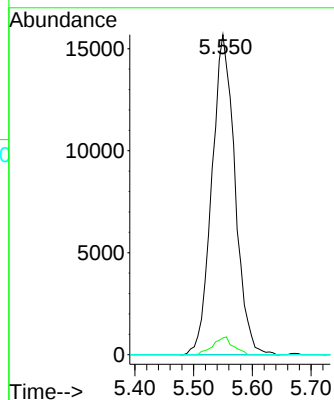
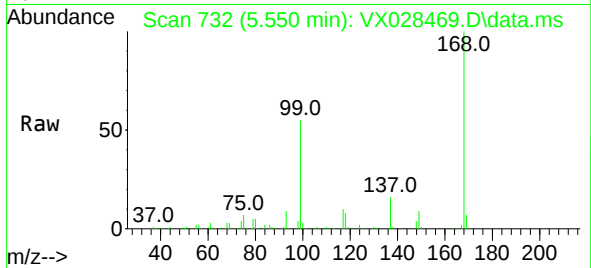




#38
Carbon Tetrachloride
Concen: 5.639 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX028469.D
Acq: 02 May 2022 12:33

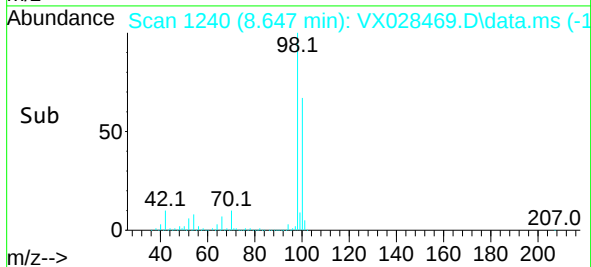
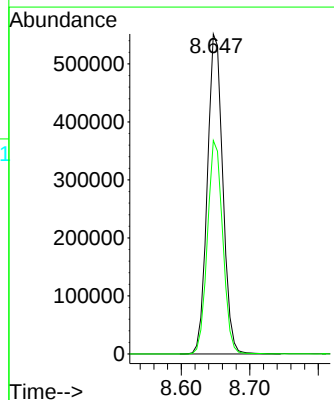
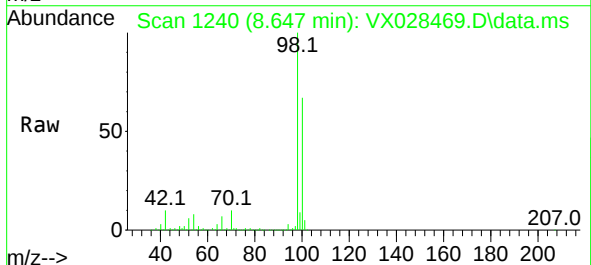
Instrument :
MSVOA_X
ClientSampleId :
VX0502MBL01

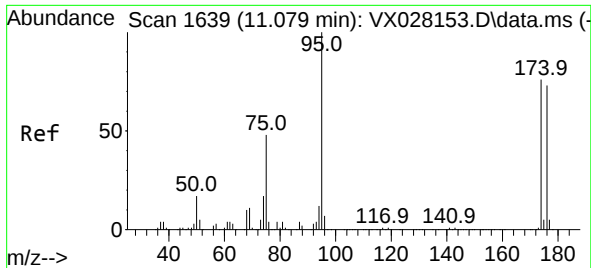
Tgt Ion:117 Resp: 42819
Ion Ratio Lower Upper
117 100
119 5.3 77.3 115.9#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 43.660 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX028469.D
Acq: 02 May 2022 12:33

Tgt Ion: 98 Resp: 864693
Ion Ratio Lower Upper
98 100
100 66.3 52.6 78.8

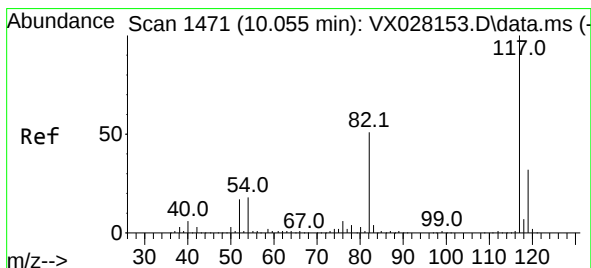
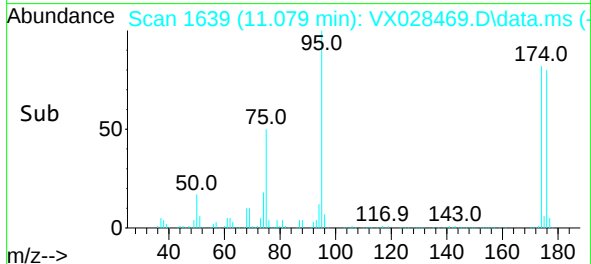
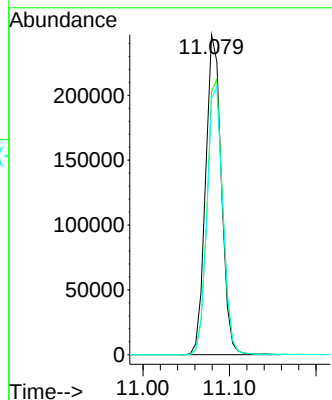
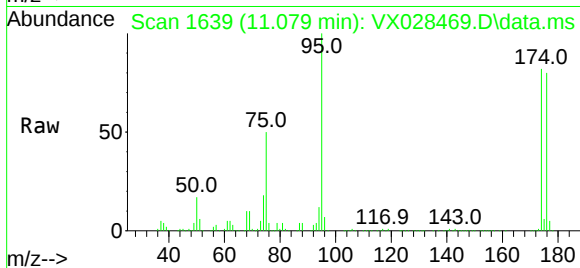




#62
4-Bromofluorobenzene
Concen: 41.127 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028469.D
Acq: 02 May 2022 12:33

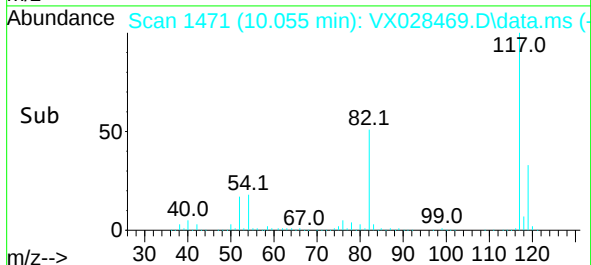
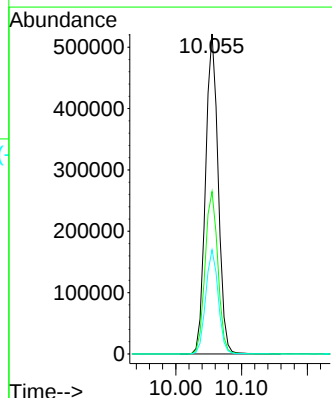
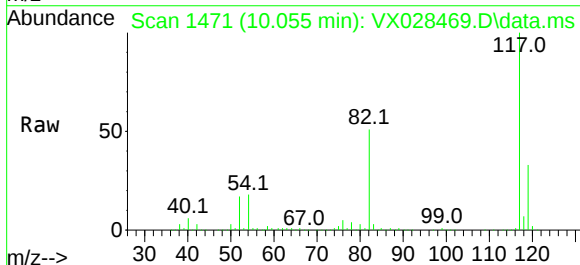
Instrument :
MSVOA_X
ClientSampleId :
VX0502MBL01

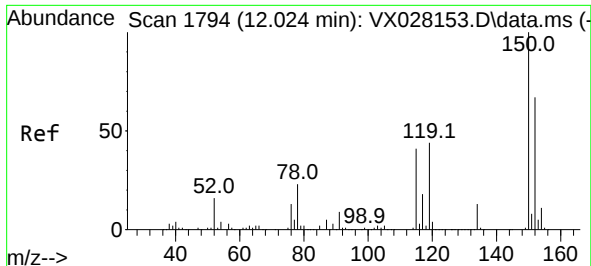
Tgt Ion: 95 Resp: 311441
Ion Ratio Lower Upper
95 100
174 86.3 0.0 163.0
176 84.4 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028469.D
Acq: 02 May 2022 12:33

Tgt Ion: 117 Resp: 696484
Ion Ratio Lower Upper
117 100
82 50.8 41.8 62.8
119 32.6 24.8 37.2

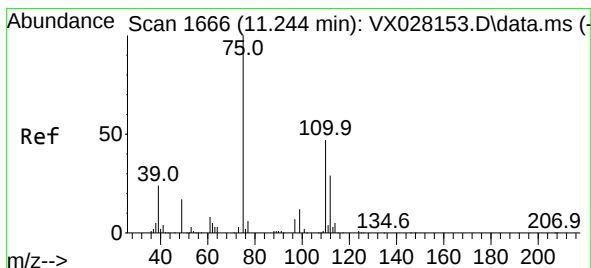
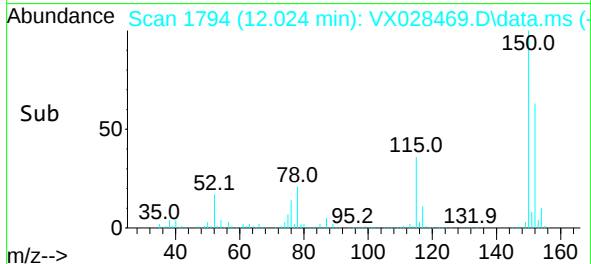
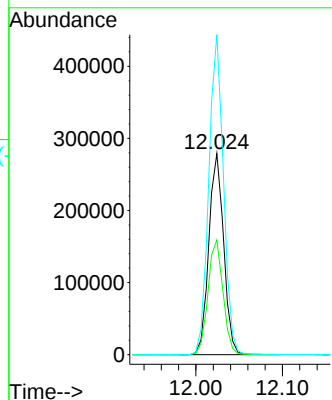
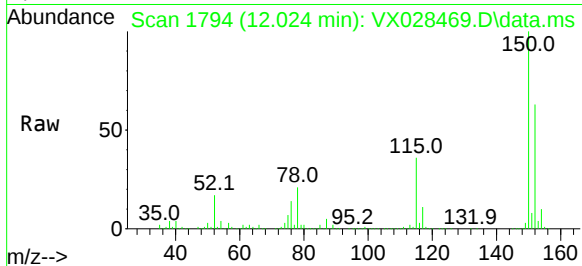




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028469.D
 Acq: 02 May 2022 12:33

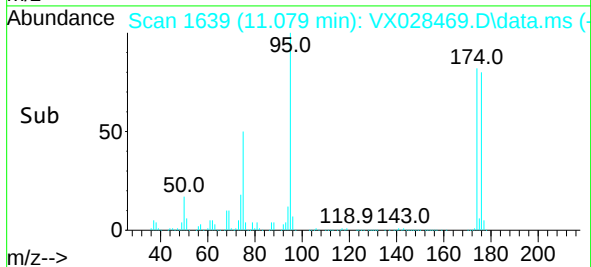
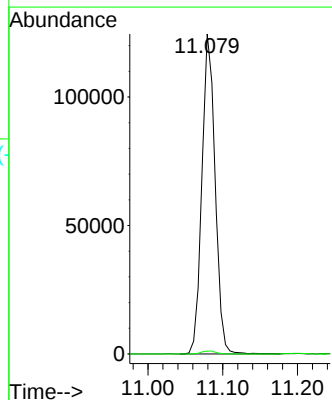
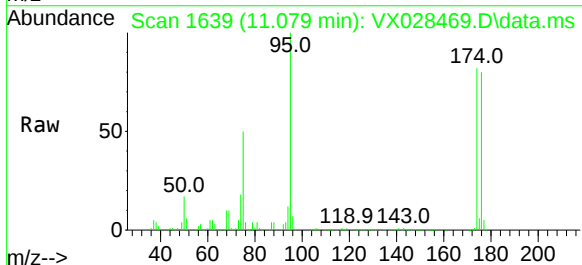
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502MBL01

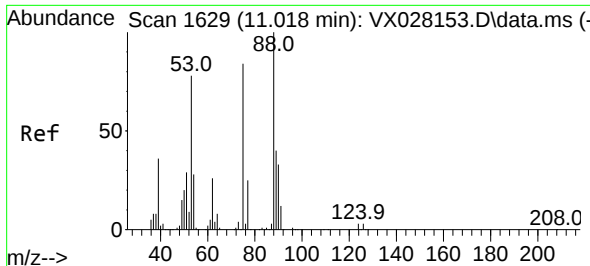
Tgt Ion:152 Resp: 332574
 Ion Ratio Lower Upper
 152 100
 115 57.6 37.5 112.7
 150 157.1 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 23.370 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX028469.D
 Acq: 02 May 2022 12:33

Tgt Ion: 75 Resp: 152961
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.4 58.2#

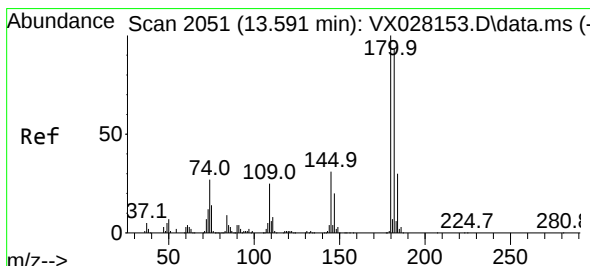
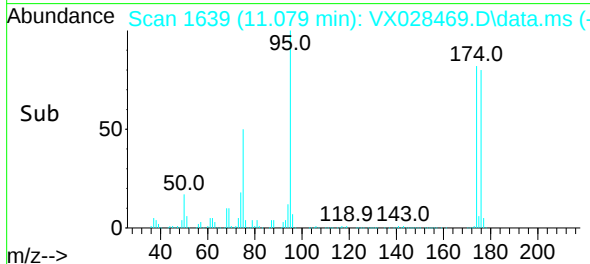
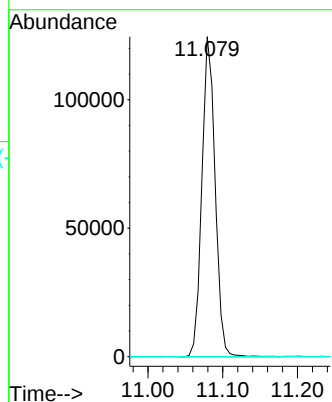
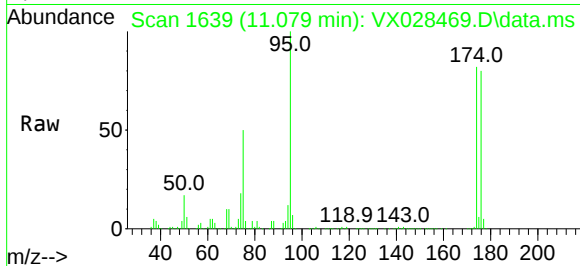




#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.449 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX028469.D
 Acq: 02 May 2022 12:33

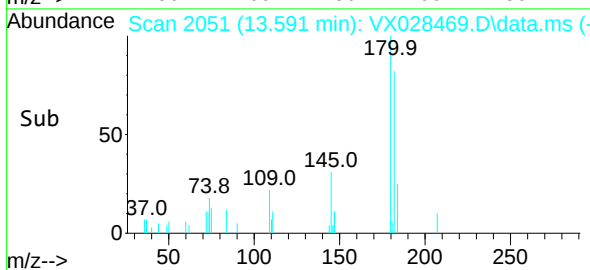
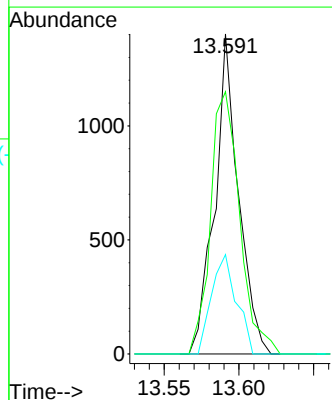
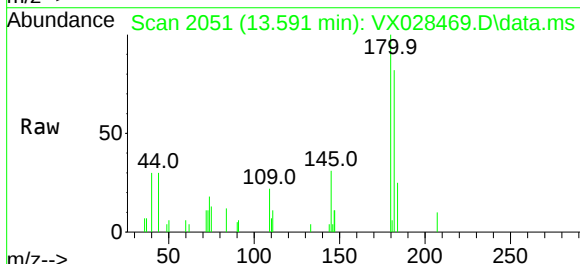
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502MBL01

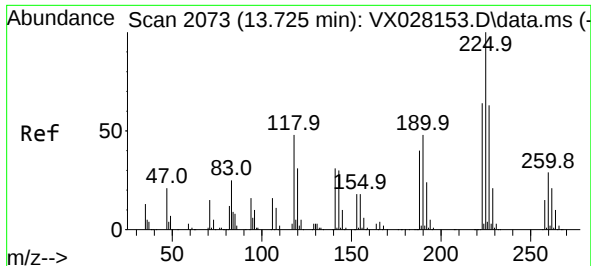
Tgt Ion: 75 Resp: 152961
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.234 ug/l
 RT: 13.591 min Scan# 2051
 Delta R.T. -0.000 min
 Lab File: VX028469.D
 Acq: 02 May 2022 12:33

Tgt Ion: 180 Resp: 1546
 Ion Ratio Lower Upper
 180 100
 182 100.8 47.7 143.1
 145 32.6 15.2 45.5

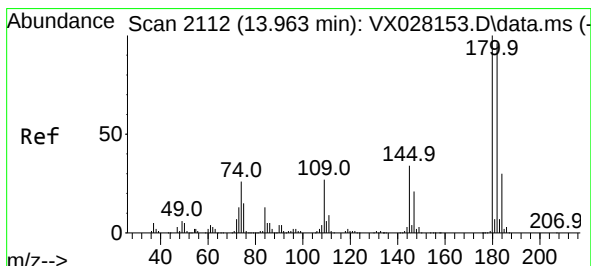
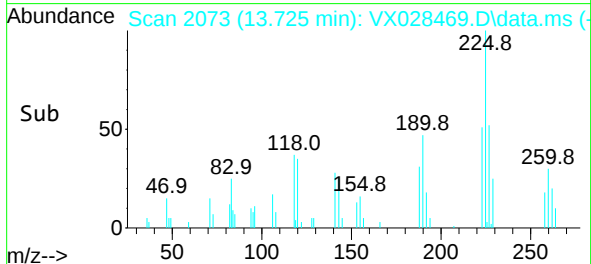
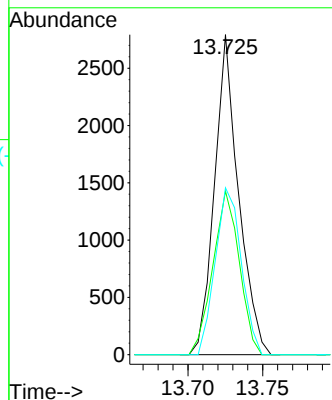
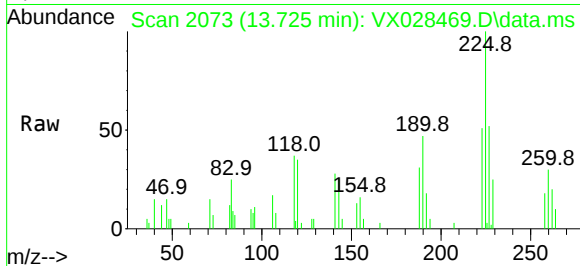




#94
Hexachlorobutadiene
Concen: 1.058 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX028469.D
Acq: 02 May 2022 12:33

Instrument :
MSVOA_X
ClientSampleId :
VX0502MBL01

Tgt Ion:	225	Resp:	3119
Ion	Ratio	Lower	Upper
225	100		
223	56.1	34.2	102.5
227	56.3	33.9	101.7



#96
1,2,3-Trichlorobenzene
Concen: 0.259 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX028469.D
Acq: 02 May 2022 12:33

Tgt Ion:	180	Resp:	1679
Ion	Ratio	Lower	Upper
180	100		
182	105.3	50.0	149.8
145	29.8	16.2	48.5

