

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050522\
 Data File : VX028530.D
 Acq On : 05 May 2022 12:52
 Operator : JC/MD
 Sample : VX0505WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0505WBL01

Quant Time: May 06 02:25:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X042822W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 29 06:09:36 2022
 Response via : Initial Calibration

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

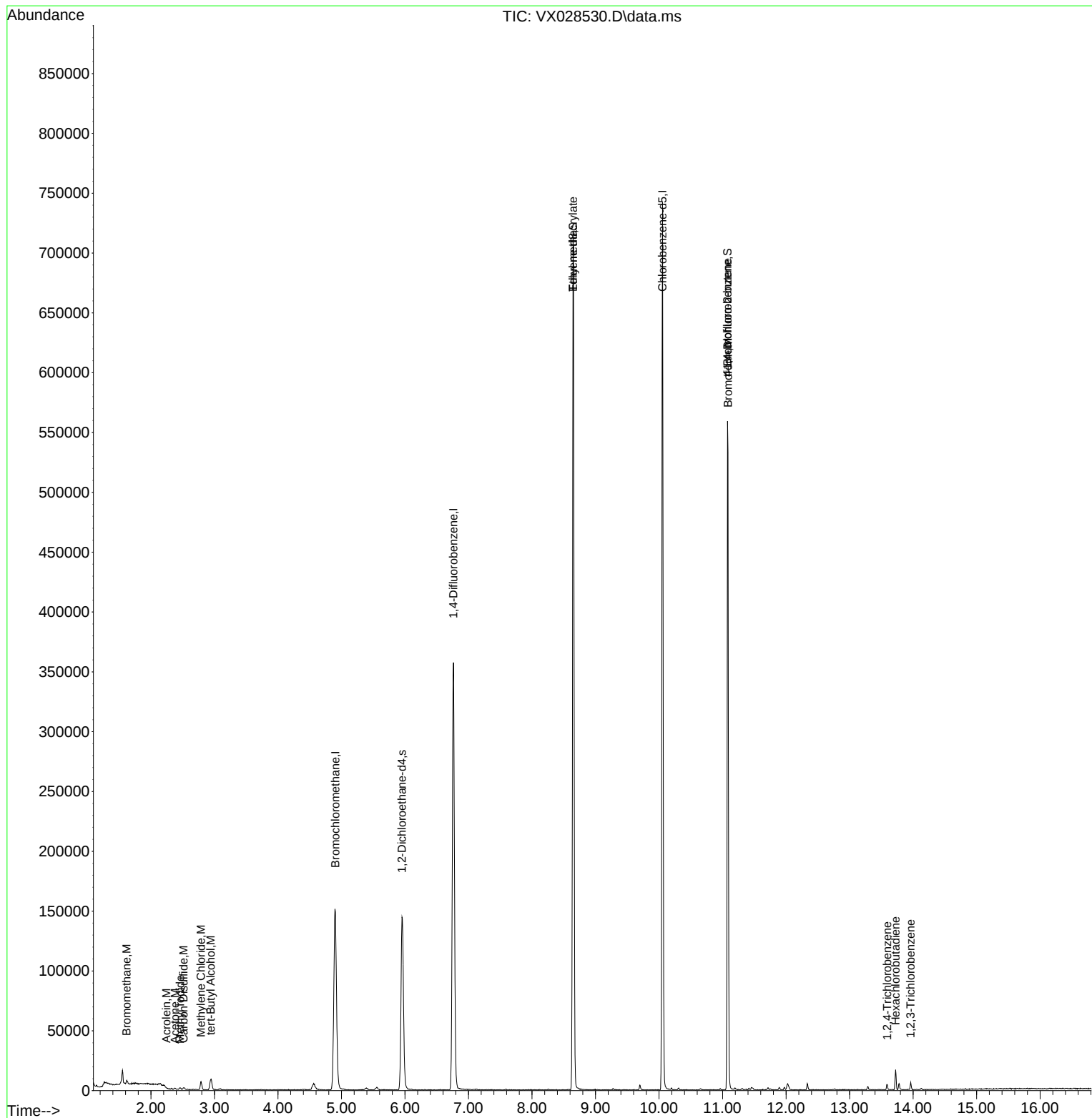
Internal Standards						
1) Bromochloromethane	4.904	128	70229	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	383201	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	340714	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	138545	31.020	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.400%
60) 4-Bromofluorobenzene	11.079	95	148560	28.038	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.467%
63) Toluene-d8	8.647	98	442559	30.662	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.200%
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	1711	0.834	ug/l #	74
11) Methyl Iodide	2.459	142	1304	0.367	ug/l #	80
13) Acrolein	2.239	56	290	0.338	ug/l	95
15) Acetone	2.380	58	214	0.393	ug/l #	48
16) Carbon Disulfide	2.514	76	1699	0.543	ug/l	98
18) Methylene Chloride	2.788	84	3025	0.889	ug/l	95
23) tert-Butyl Alcohol	2.941	59	5096	4.903	ug/l #	100
51) Ethyl methacrylate	8.647	69	1394	0.237	ug/l	71
56) Bromoform	11.085	173	1290	0.397	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	73122	43.289	ug/l #	3
89) 1,2,4-Trichlorobenzene	13.591	180	1461	0.249	ug/l	94
90) Hexachlorobutadiene	13.725	225	2538	1.019	ug/l	94
92) 1,2,3-Trichlorobenzene	13.963	180	1405	0.239	ug/l	76

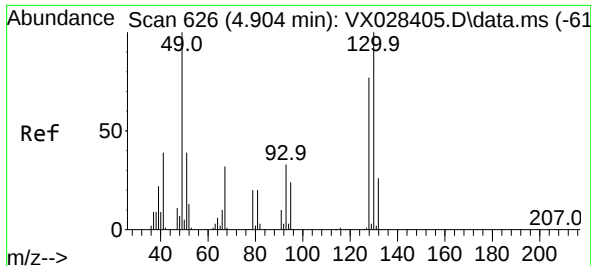
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050522\
Data File : VX028530.D
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
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Quant Time: May 06 02:25:48 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X042822W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 29 06:09:36 2022
Response via : Initial Calibration

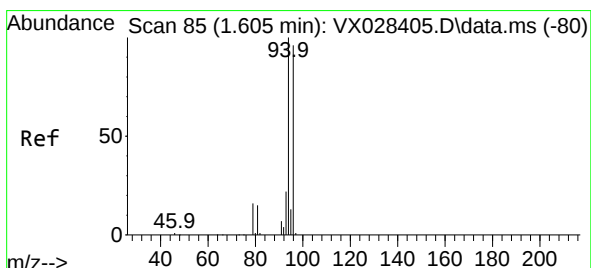
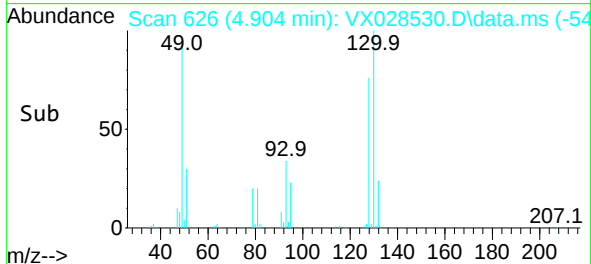
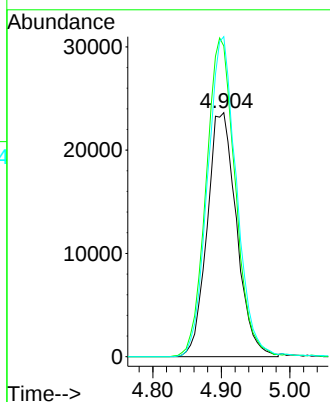
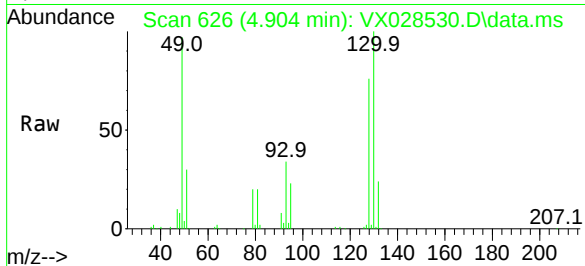




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX028530.D
Acq: 05 May 2022 12:52

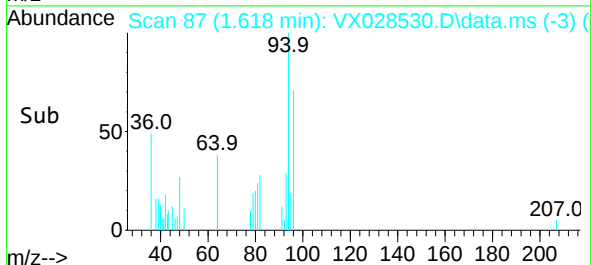
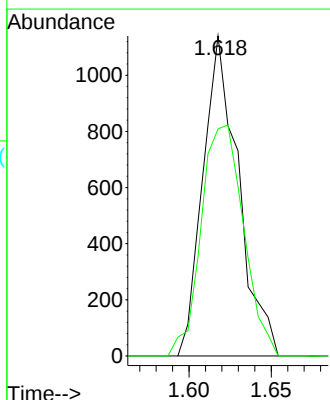
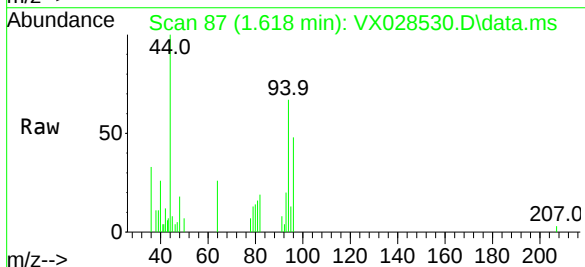
Instrument :
MSVOA_X
ClientSampleId :
VX0505WBL01

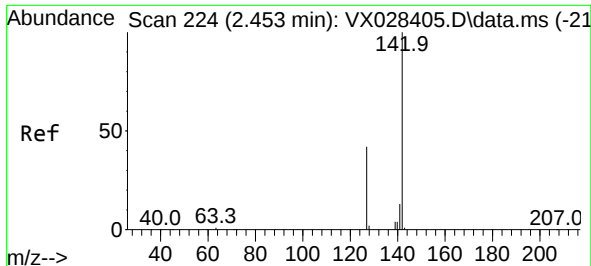
Tgt Ion:128 Resp: 70229
Ion Ratio Lower Upper
128 100
49 129.4 0.0 358.3
130 128.6 0.0 319.3



#5
Bromomethane
Concen: 0.834 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.012 min
Lab File: VX028530.D
Acq: 05 May 2022 12:52

Tgt Ion: 94 Resp: 1711
Ion Ratio Lower Upper
94 100
96 71.0 77.0 115.6#

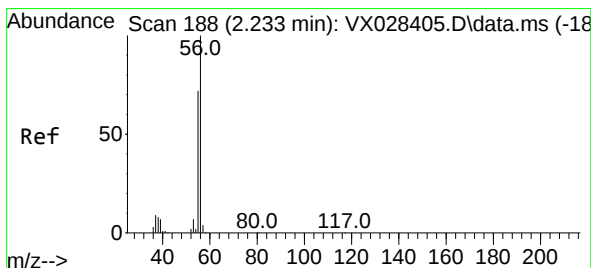
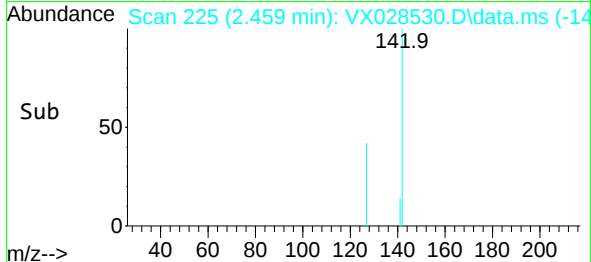
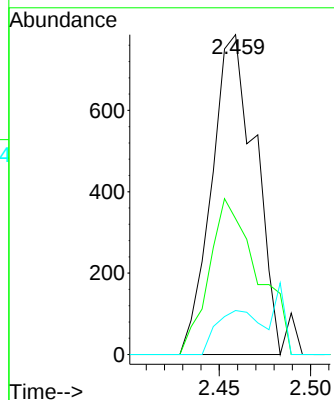
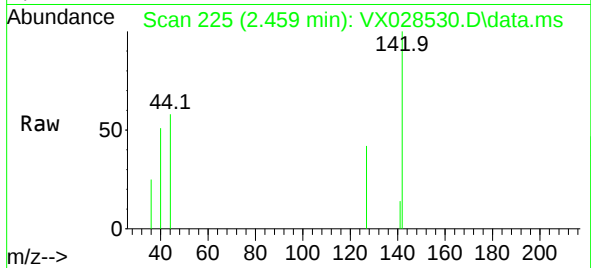




#11
Methyl Iodide
Concen: 0.367 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX028530.D
Acq: 05 May 2022 12:52

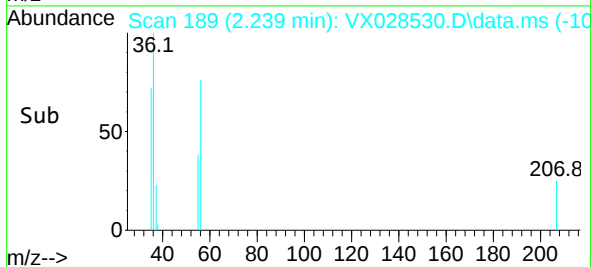
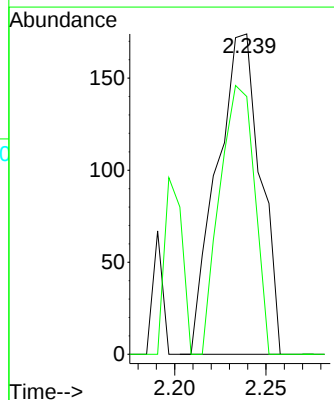
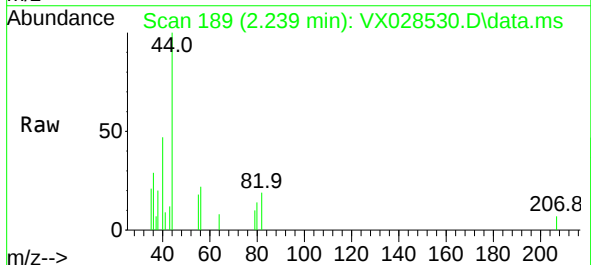
Instrument :
MSVOA_X
ClientSampleId :
VX0505WBL01

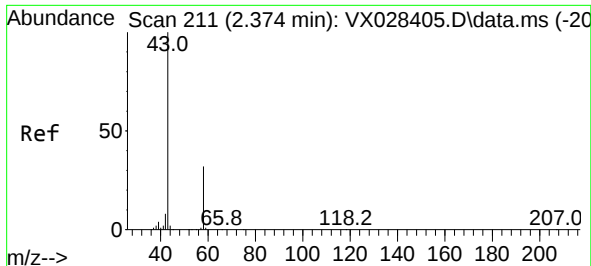
Tgt Ion:142 Resp: 1304
Ion Ratio Lower Upper
142 100
127 33.0 22.3 66.9
141 2.5 7.0 20.9#



#13
Acrolein
Concen: 0.338 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.006 min
Lab File: VX028530.D
Acq: 05 May 2022 12:52

Tgt Ion: 56 Resp: 290
Ion Ratio Lower Upper
56 100
55 66.6 56.4 84.6

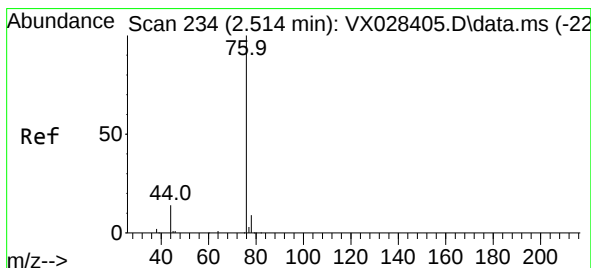
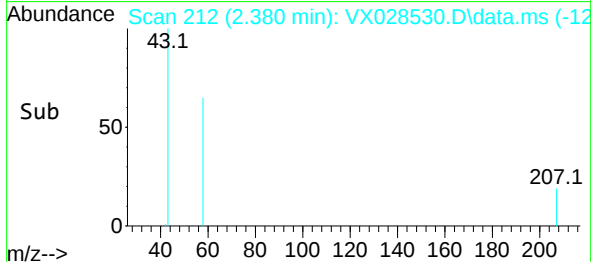
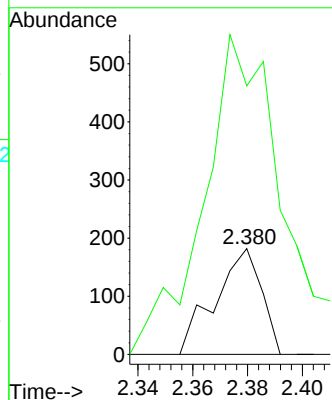
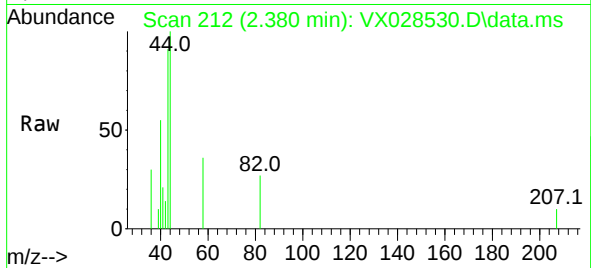




#15
Acetone
Concen: 0.393 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX028530.D
Acq: 05 May 2022 12:52

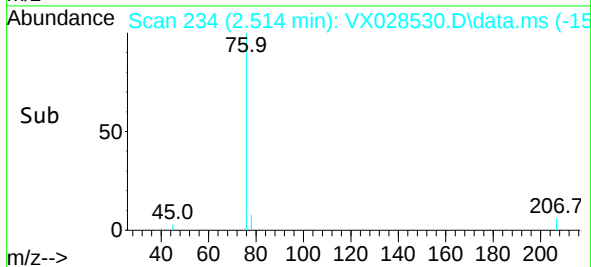
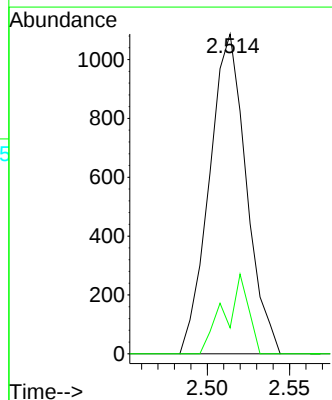
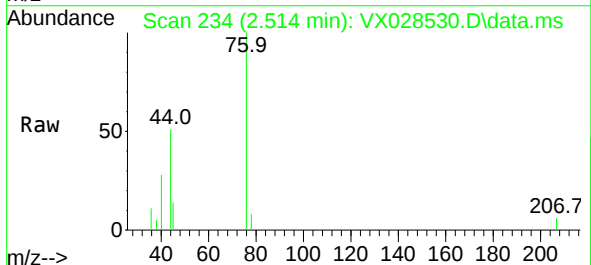
Instrument :
MSVOA_X
ClientSampleId :
VX0505WBL01

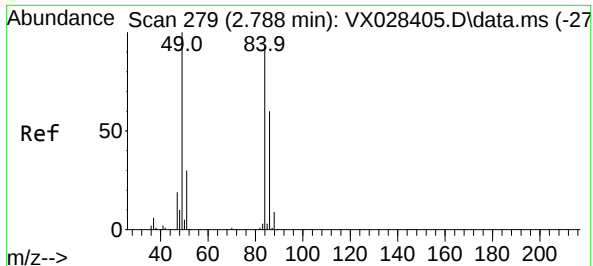
Tgt Ion: 58 Resp: 214
Ion Ratio Lower Upper
58 100
43 207.1 250.2 375.2#



#16
Carbon Disulfide
Concen: 0.543 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.000 min
Lab File: VX028530.D
Acq: 05 May 2022 12:52

Tgt Ion: 76 Resp: 1699
Ion Ratio Lower Upper
76 100
78 8.1 7.1 10.7





#18

Methylene Chloride

Concen: 0.889 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX028530.D

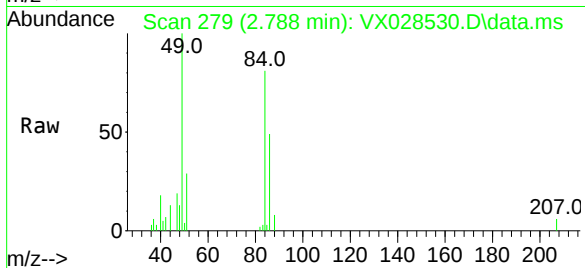
Acq: 05 May 2022 12:52

Instrument :

MSVOA_X

ClientSampleId :

VX0505WBL01



Tgt Ion: 84 Resp: 3025

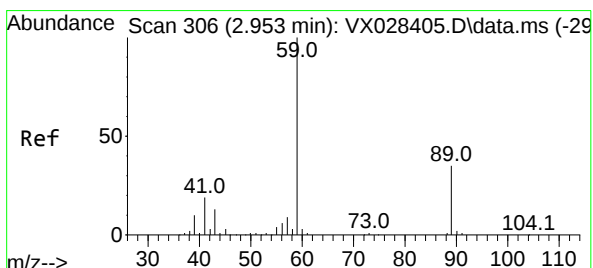
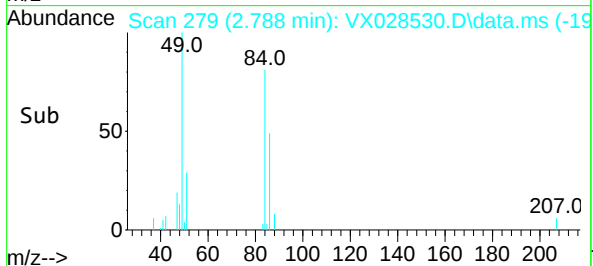
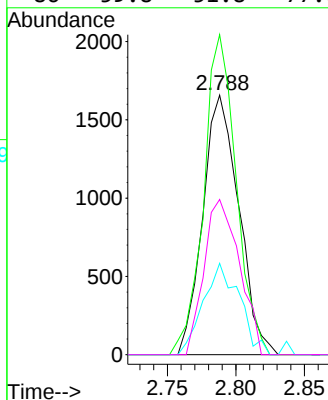
Ion Ratio Lower Upper

84 100

49 123.3 94.2 141.2

51 35.2 29.2 43.8

86 59.8 51.8 77.6



#23

tert-Butyl Alcohol

Concen: 4.903 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.012 min

Lab File: VX028530.D

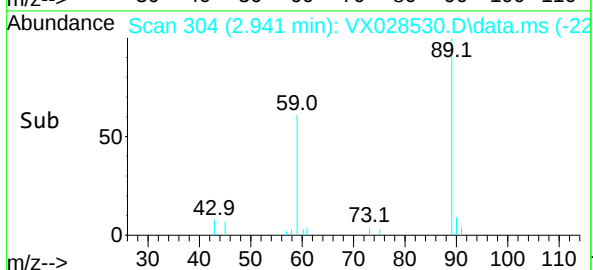
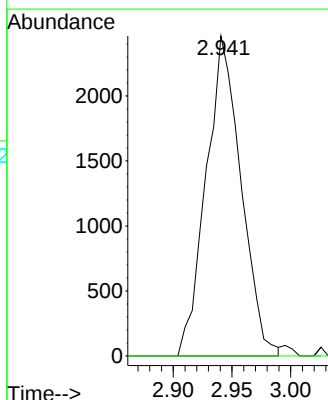
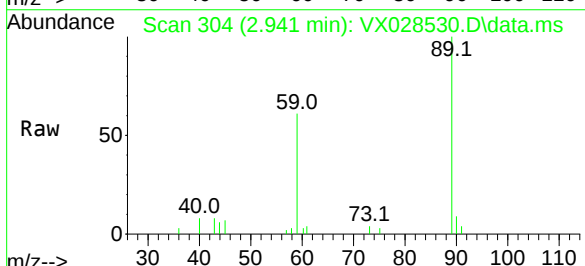
Acq: 05 May 2022 12:52

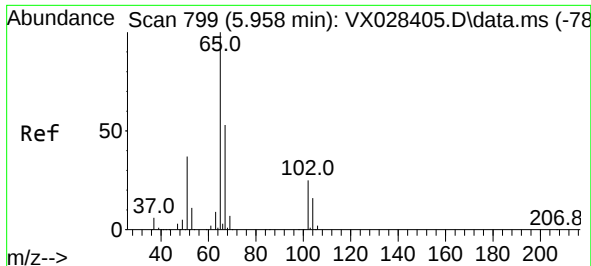
Tgt Ion: 59 Resp: 5096

Ion Ratio Lower Upper

59 100

52 7.6 0.0 0.0#





#27

1,2-Dichloroethane-d4

Concen: 31.020 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX028530.D

Acq: 05 May 2022 12:52

Instrument :

MSVOA_X

ClientSampleId :

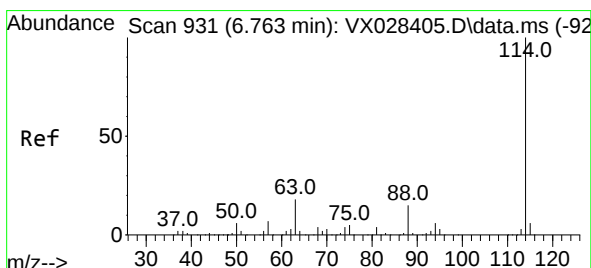
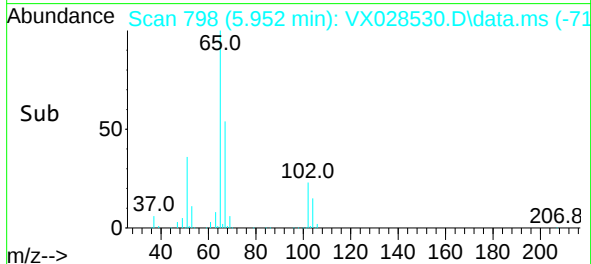
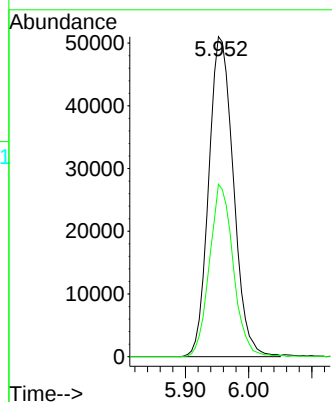
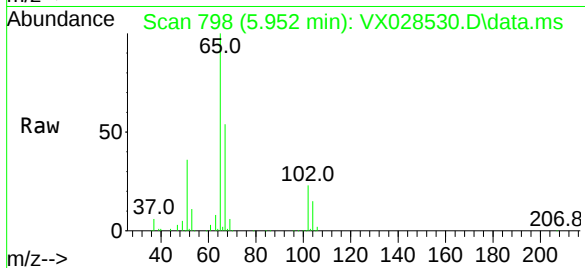
VX0505WBL01

Tgt Ion: 65 Resp: 138545

Ion Ratio Lower Upper

65 100

67 51.8 42.3 63.5



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX028530.D

Acq: 05 May 2022 12:52

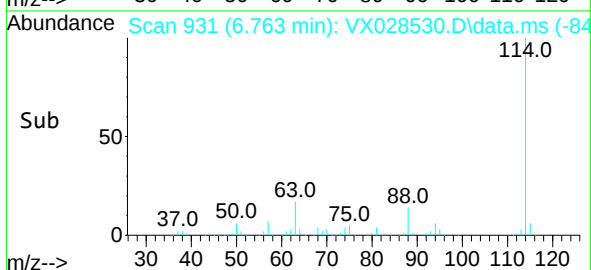
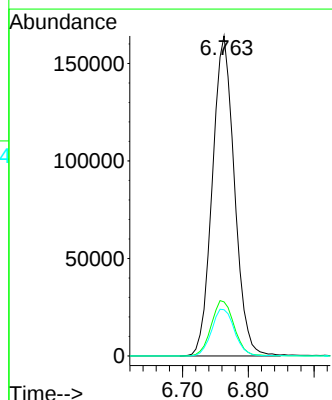
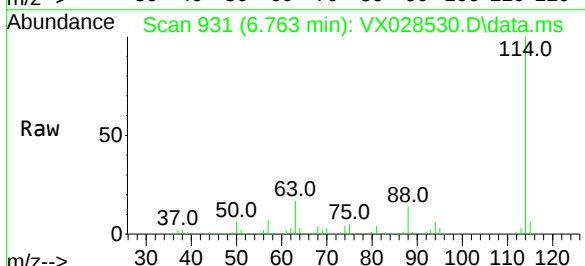
Tgt Ion: 114 Resp: 383201

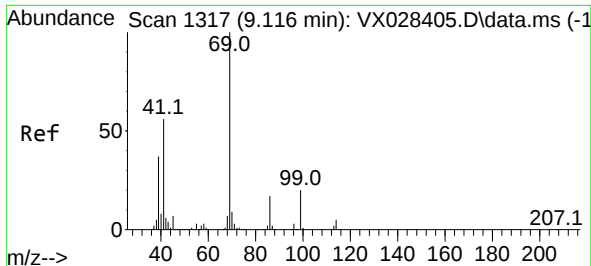
Ion Ratio Lower Upper

114 100

63 17.9 15.3 22.9

88 15.1 12.2 18.4

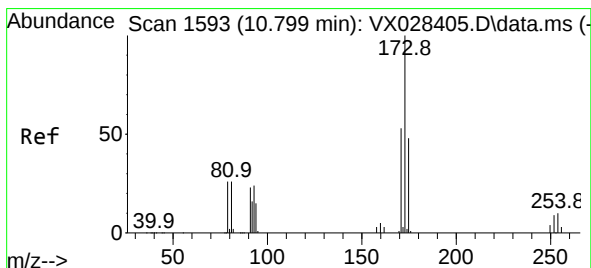
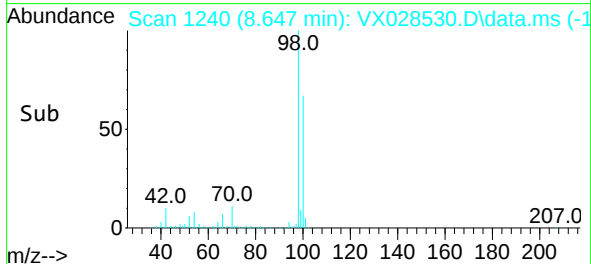
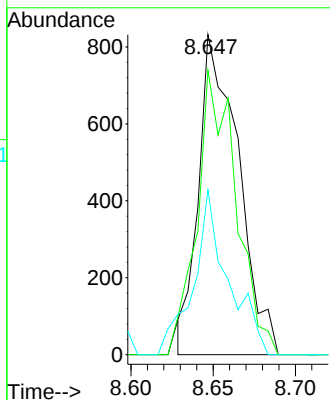
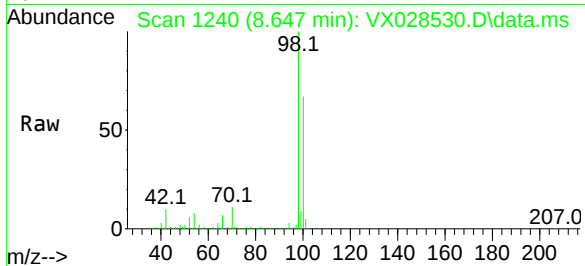




#51
Ethyl methacrylate
Concen: 0.237 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.469 min
Lab File: VX028530.D
Acq: 05 May 2022 12:52

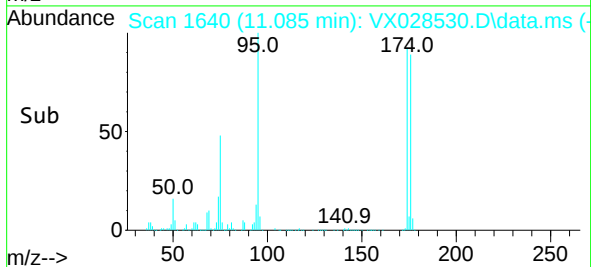
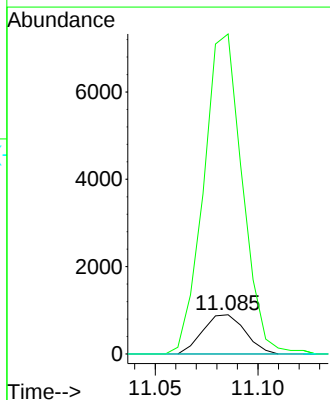
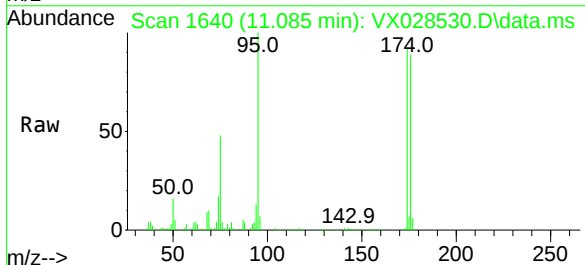
Instrument :
MSVOA_X
ClientSampleId :
VX0505WBL01

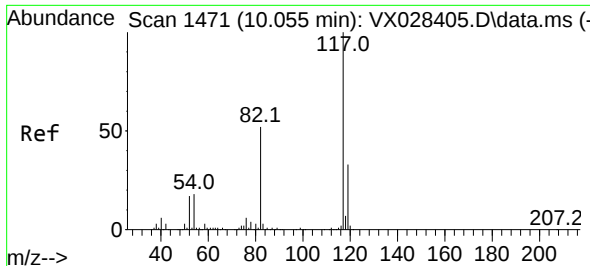
Tgt Ion: 69	Resp: 1394
Ion Ratio	Lower Upper
69 100	
41 88.8	32.1 96.5
39 51.4	18.3 54.9



#56
Bromoform
Concen: 0.397 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.287 min
Lab File: VX028530.D
Acq: 05 May 2022 12:52

Tgt Ion: 173	Resp: 1290
Ion Ratio	Lower Upper
173 100	
175 745.0	40.3 60.5#
254 0.0	7.4 11.2#

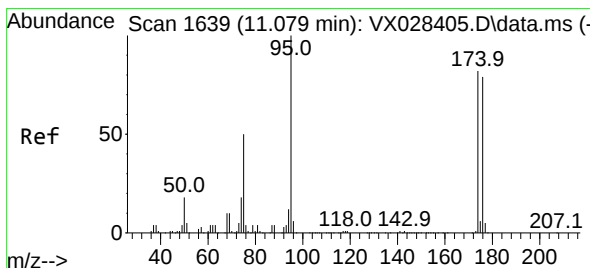
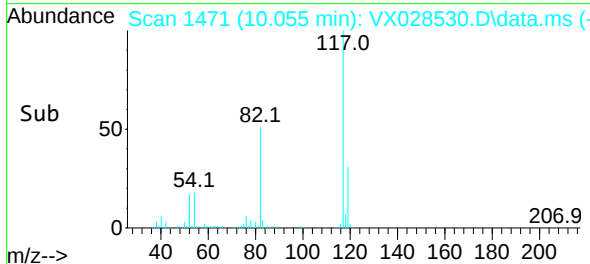
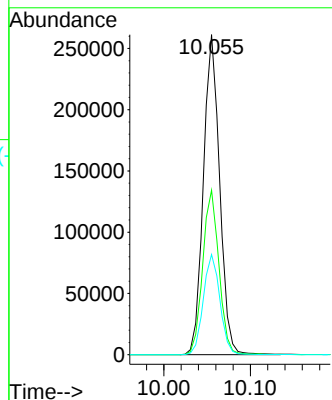
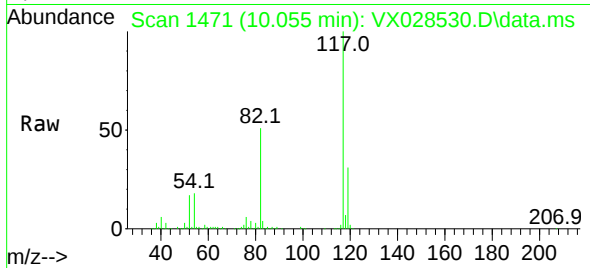




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028530.D
Acq: 05 May 2022 12:52

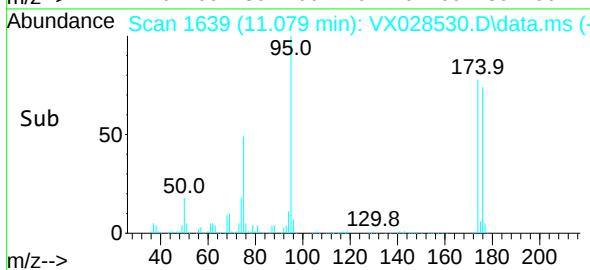
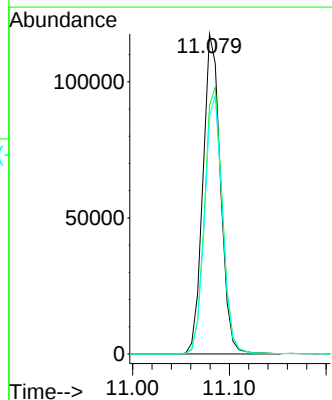
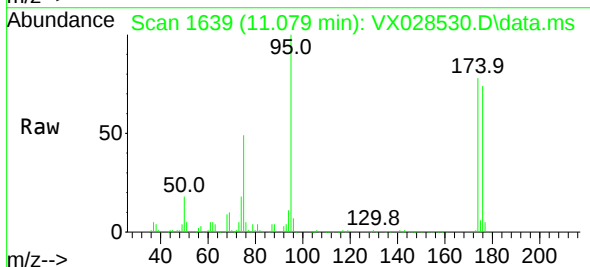
Instrument :
MSVOA_X
ClientSampleId :
VX0505WBL01

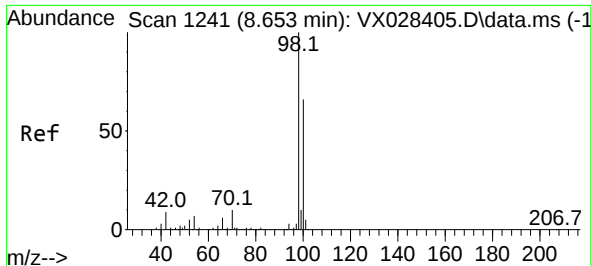
Tgt Ion:117 Resp: 340714
Ion Ratio Lower Upper
117 100
82 51.3 42.3 63.5
119 31.9 26.2 39.2



#60
4-Bromofluorobenzene
Concen: 28.038 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028530.D
Acq: 05 May 2022 12:52

Tgt Ion: 95 Resp: 148560
Ion Ratio Lower Upper
95 100
174 85.5 65.4 98.2
176 82.2 63.4 95.0

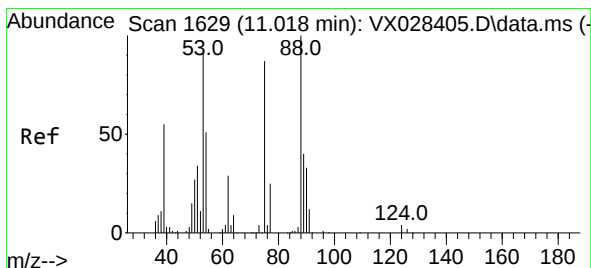
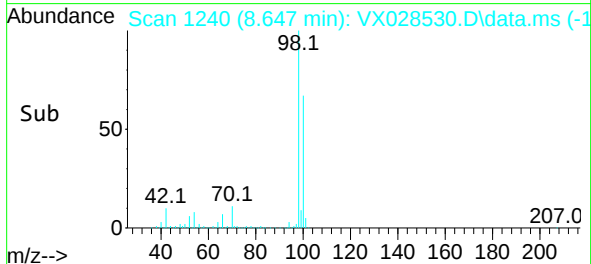
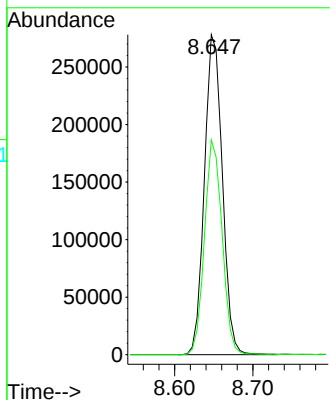
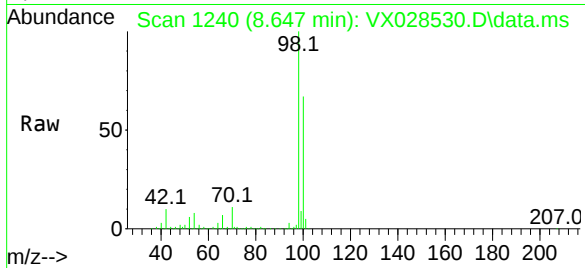




#63
Toluene-d8
Concen: 30.662 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX028530.D
Acq: 05 May 2022 12:52

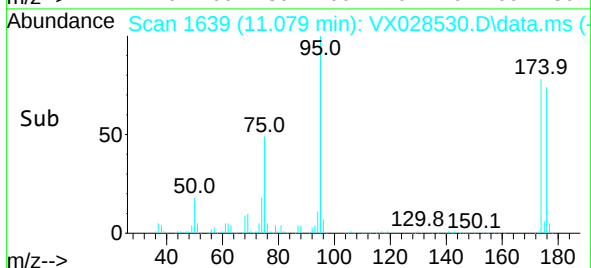
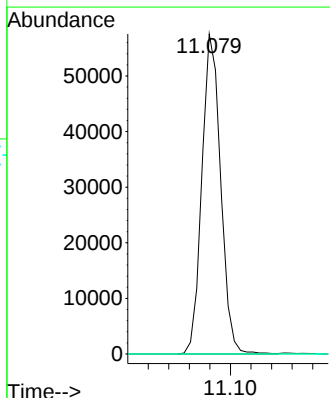
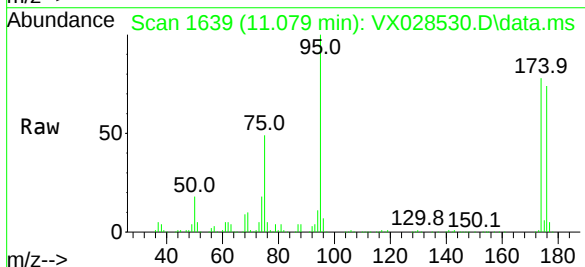
Instrument :
MSVOA_X
ClientSampleId :
VX0505WBL01

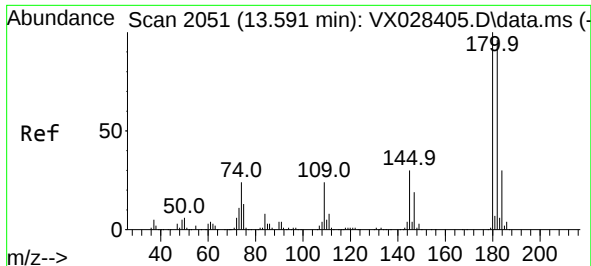
Tgt Ion: 98 Resp: 442559
Ion Ratio Lower Upper
98 100
100 65.7 51.4 77.2



#77
t-1,4-Dichloro-2-butene
Concen: 43.289 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028530.D
Acq: 05 May 2022 12:52

Tgt Ion: 75 Resp: 73122
Ion Ratio Lower Upper
75 100
53 0.0 59.7 179.1#
89 0.0 23.1 69.2#

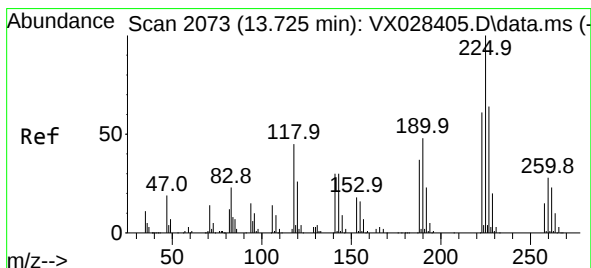
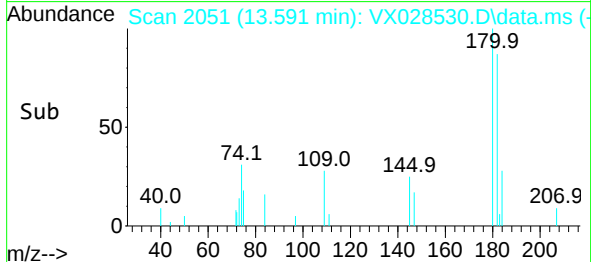
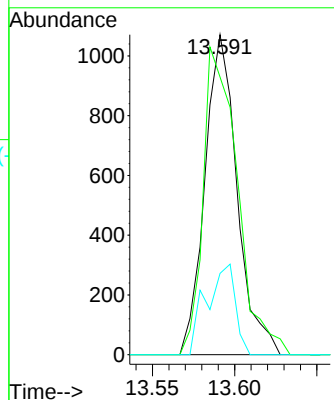
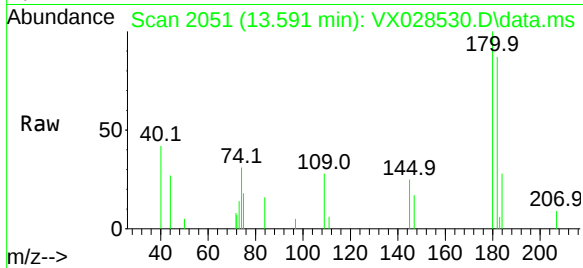




#89
 1,2,4-Trichlorobenzene
 Concen: 0.249 ug/l
 RT: 13.591 min Scan# 2051
 Delta R.T. 0.000 min
 Lab File: VX028530.D
 Acq: 05 May 2022 12:52

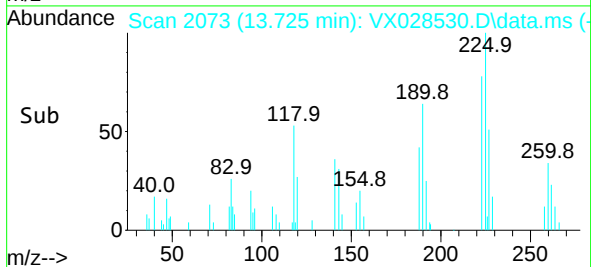
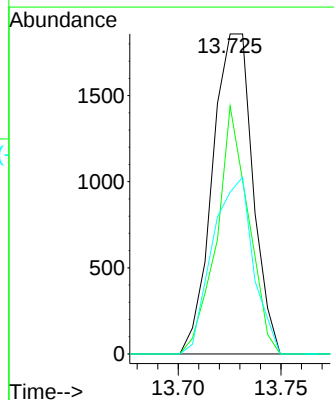
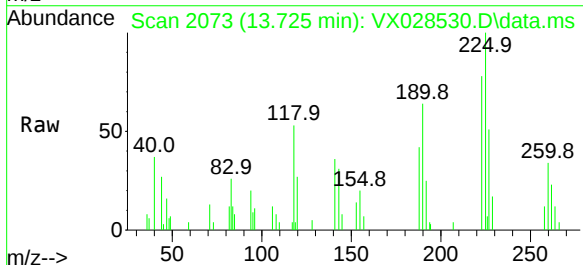
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0505WBL01

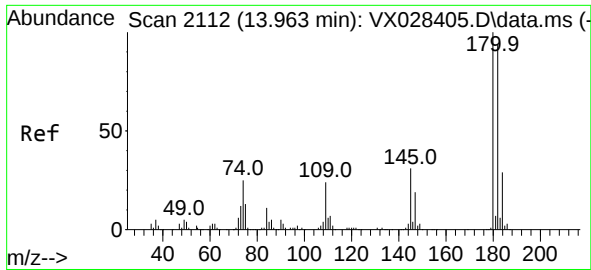
Tgt Ion:	180	Resp:	1461
Ion	Ratio	Lower	Upper
180	100		
182	102.3	77.4	116.2
145	25.3	24.2	36.4



#90
 Hexachlorobutadiene
 Concen: 1.019 ug/l
 RT: 13.725 min Scan# 2073
 Delta R.T. 0.000 min
 Lab File: VX028530.D
 Acq: 05 May 2022 12:52

Tgt Ion:	225	Resp:	2538
Ion	Ratio	Lower	Upper
225	100		
223	61.0	0.0	126.0
227	55.7	0.0	125.0





#92
 1,2,3-Trichlorobenzene
 Concen: 0.239 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.000 min
 Lab File: VX028530.D
 Acq: 05 May 2022 12:52

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0505WBL01

Tgt Ion:	180	Resp:	1405
Ion	Ratio	Lower	Upper
180	100		
182	125.8	0.0	189.4
145	33.6	0.0	67.2

