

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042922\
 Data File : VX028414.D
 Acq On : 29 Apr 2022 11:17
 Operator : JC/MD
 Sample : VX0429WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0429WBL01

Quant Time: Apr 29 15:03:24 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)

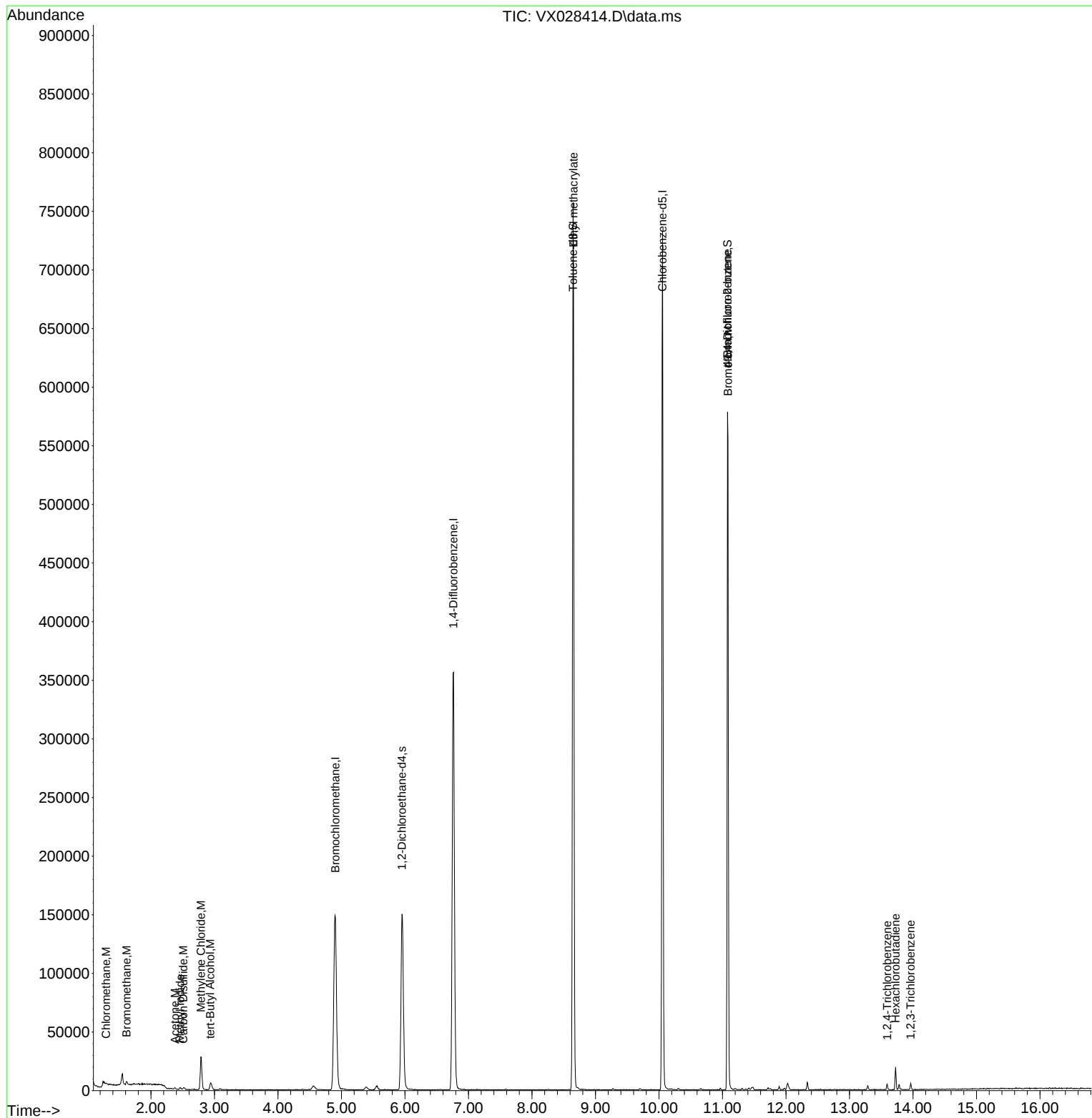
Internal Standards						
1) Bromochloromethane	4.904	128	71867	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	396059	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	342881	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	142096	31.090	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 103.633%	
60) 4-Bromofluorobenzene	11.079	95	152924	28.679	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 95.600%	
63) Toluene-d8	8.647	98	452769	31.171	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 103.900%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	601	0.300	ug/l	92
5) Bromomethane	1.618	94	1613	0.768	ug/l	99
11) Methyl Iodide	2.459	142	1429	0.393	ug/l	90
15) Acetone	2.380	58	485	0.870	ug/l #	27
16) Carbon Disulfide	2.508	76	1344	0.420	ug/l #	93
18) Methylene Chloride	2.788	84	13435	3.859	ug/l	86
23) tert-Butyl Alcohol	2.934	59	1714	1.612	ug/l #	100
51) Ethyl methacrylate	8.653	69	1315	0.216	ug/l #	64
56) Bromoform	11.085	173	1290	0.385	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	75945	44.676	ug/l #	3
89) 1,2,4-Trichlorobenzene	13.591	180	1313	0.222	ug/l	98
90) Hexachlorobutadiene	13.725	225	2411	0.962	ug/l	89
92) 1,2,3-Trichlorobenzene	13.963	180	1442	0.243	ug/l	93

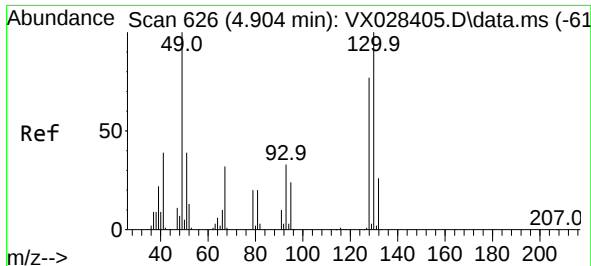
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042922\
Data File : VX028414.D
Acq On : 29 Apr 2022 11:17
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0429WBL01

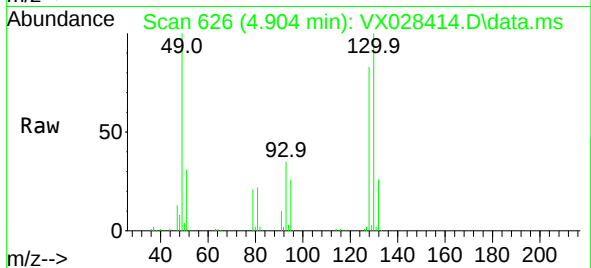
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X042822W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 29 06:09:36 2022
Response via : Initial Calibration



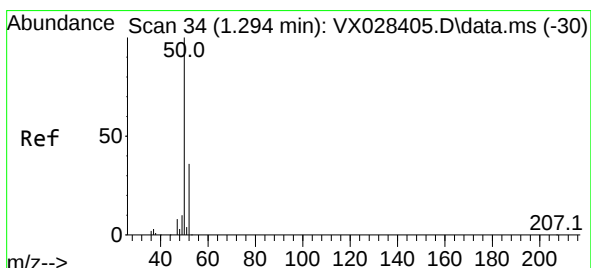
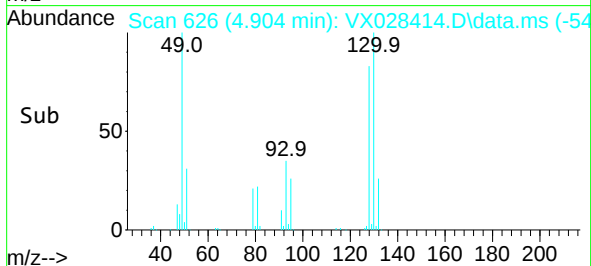
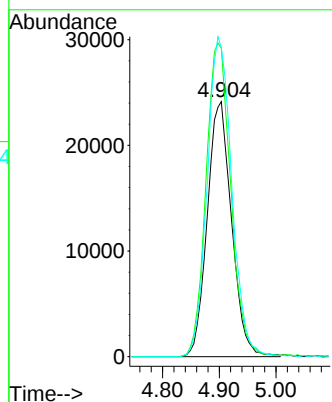


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX028414.D
Acq: 29 Apr 2022 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX0429WBL01

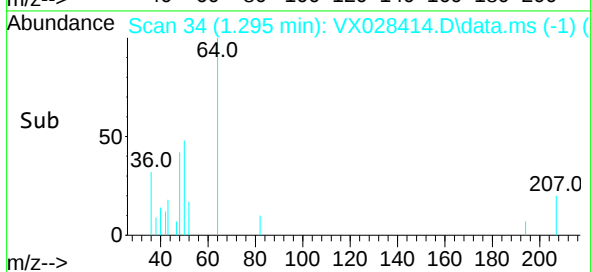
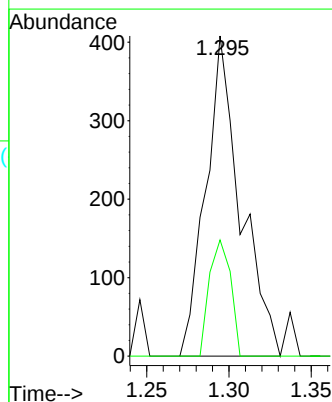
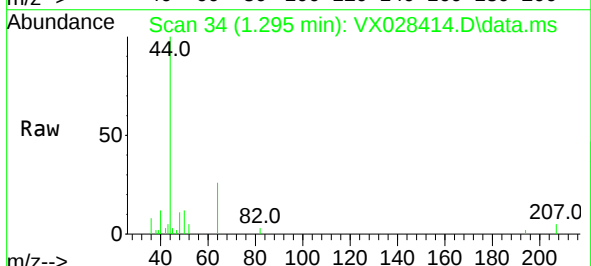


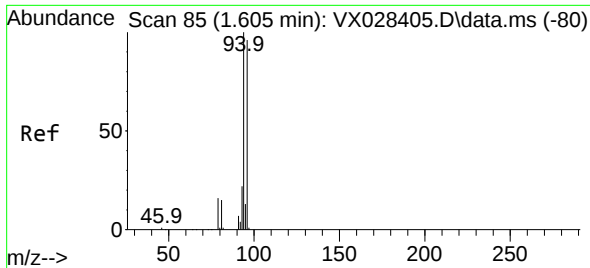
Tgt Ion:128 Resp: 71867
Ion Ratio Lower Upper
128 100
49 124.8 0.0 358.3
130 127.1 0.0 319.3



#3
Chloromethane
Concen: 0.300 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028414.D
Acq: 29 Apr 2022 11:17

Tgt Ion: 50 Resp: 601
Ion Ratio Lower Upper
50 100
52 36.3 25.6 38.4

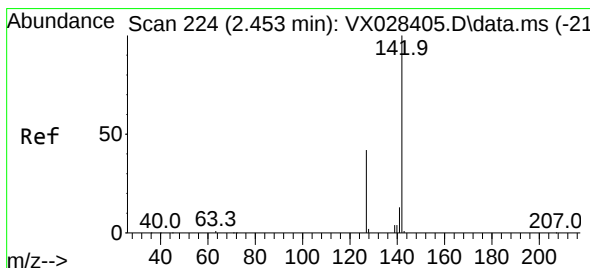
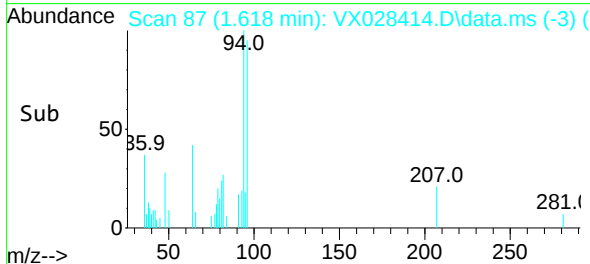
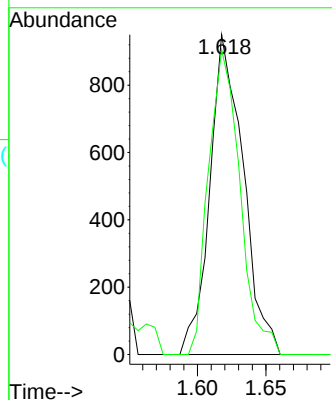
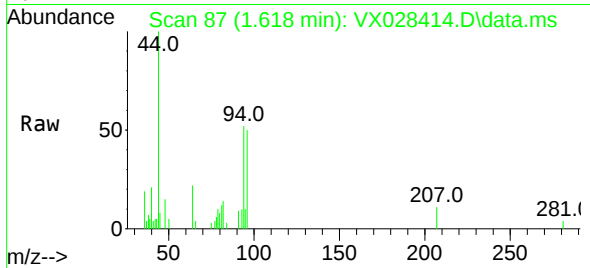




#5
Bromomethane
Concen: 0.768 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX028414.D
Acq: 29 Apr 2022 11:17

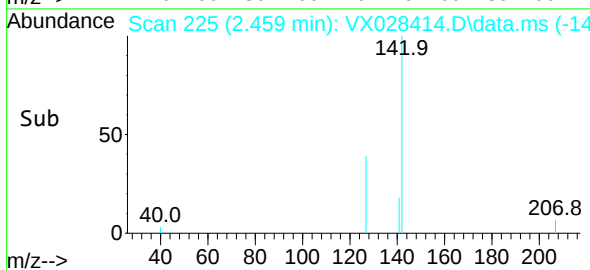
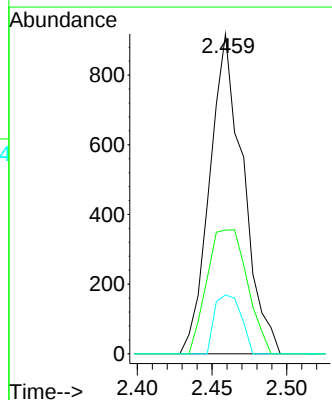
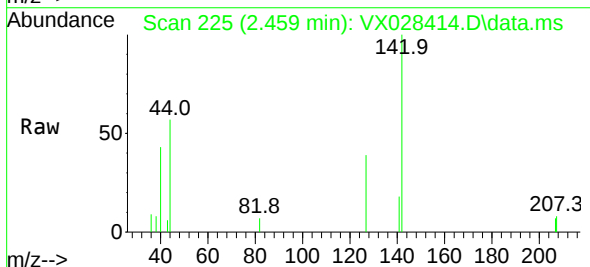
Instrument :
MSVOA_X
ClientSampleId :
VX0429WBL01

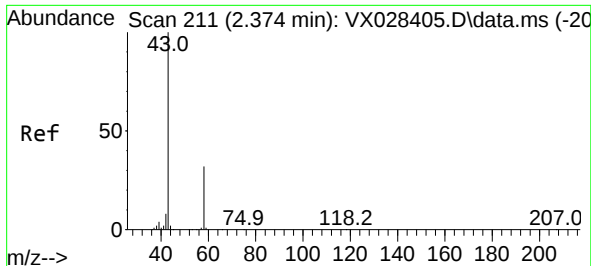
Tgt Ion: 94 Resp: 1613
Ion Ratio Lower Upper
94 100
96 95.4 77.0 115.6



#11
Methyl Iodide
Concen: 0.393 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX028414.D
Acq: 29 Apr 2022 11:17

Tgt Ion: 142 Resp: 1429
Ion Ratio Lower Upper
142 100
127 38.7 22.3 66.9
141 18.4 7.0 20.9

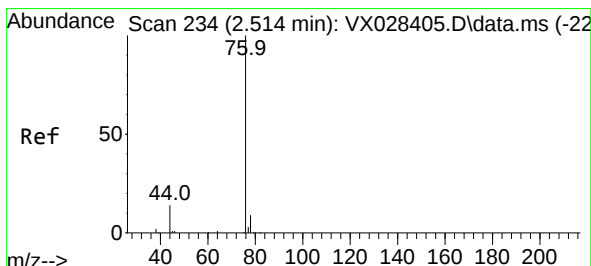
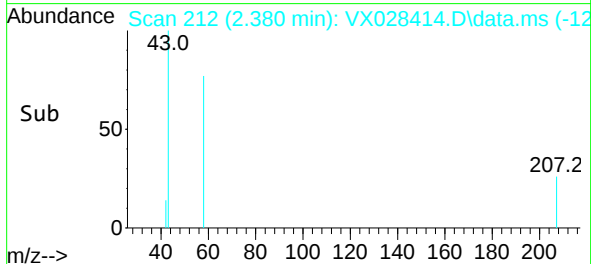
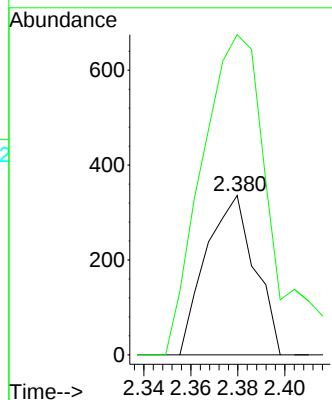
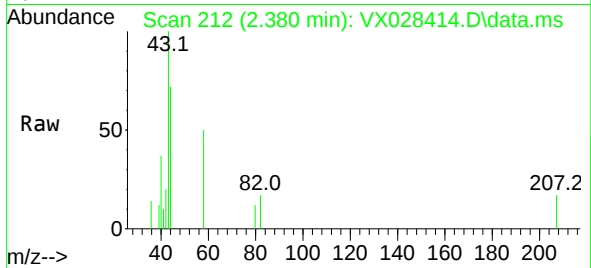




#15
Acetone
Concen: 0.870 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX028414.D
Acq: 29 Apr 2022 11:17

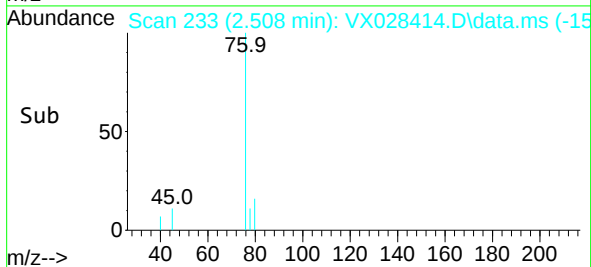
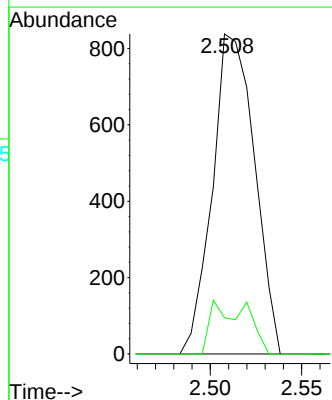
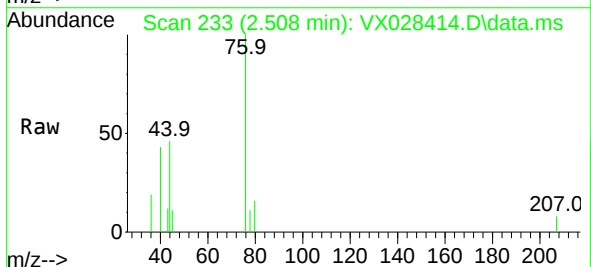
Instrument :
MSVOA_X
ClientSampleId :
VX0429WBL01

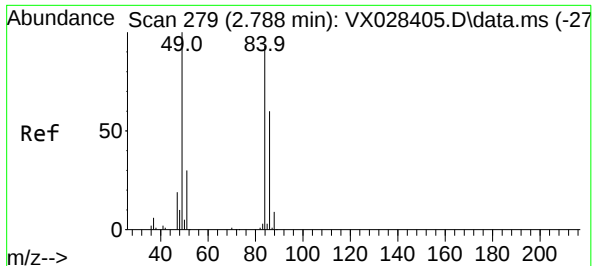
Tgt Ion: 58 Resp: 485
Ion Ratio Lower Upper
58 100
43 166.4 250.2 375.2#



#16
Carbon Disulfide
Concen: 0.420 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX028414.D
Acq: 29 Apr 2022 11:17

Tgt Ion: 76 Resp: 1344
Ion Ratio Lower Upper
76 100
78 11.3 7.1 10.7#





#18

Methylene Chloride

Concen: 3.859 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX028414.D

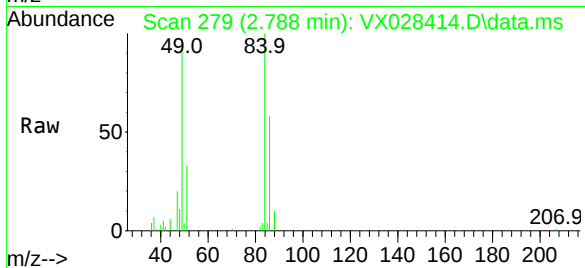
Acq: 29 Apr 2022 11:17

Instrument :

MSVOA_X

ClientSampleId :

VX0429WBL01



Tgt Ion: 84 Resp: 13435

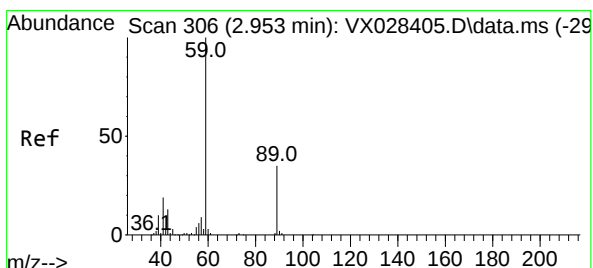
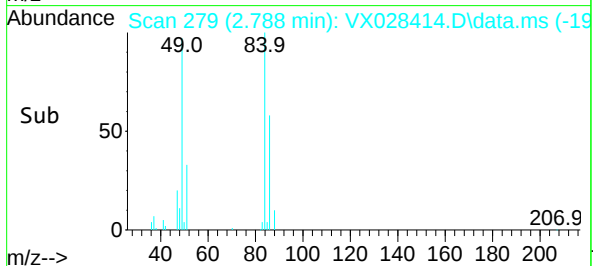
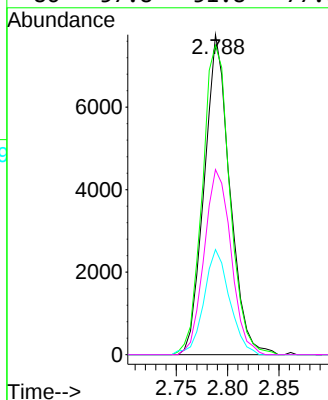
Ion Ratio Lower Upper

84 100

49 96.7 94.2 141.2

51 32.9 29.2 43.8

86 57.8 51.8 77.6



#23

tert-Butyl Alcohol

Concen: 1.612 ug/l

RT: 2.934 min Scan# 303

Delta R.T. -0.018 min

Lab File: VX028414.D

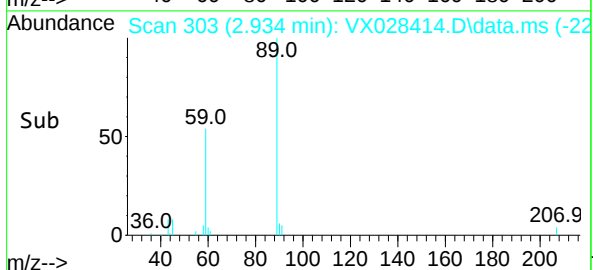
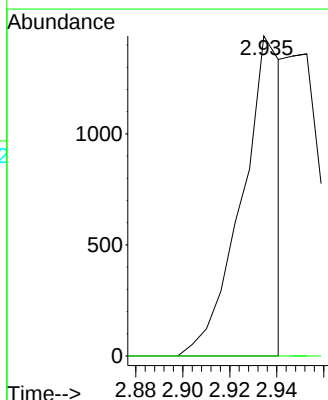
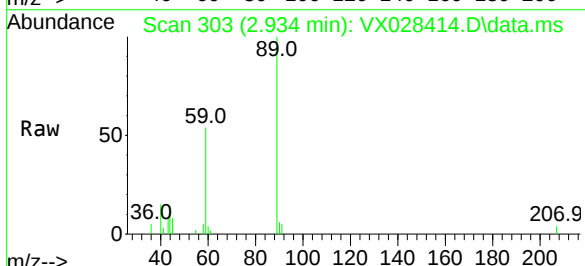
Acq: 29 Apr 2022 11:17

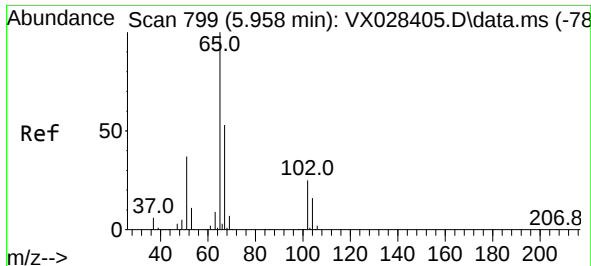
Tgt Ion: 59 Resp: 1714

Ion Ratio Lower Upper

59 100

52 24.3 0.0 0.0#





#27

1,2-Dichloroethane-d4

Concen: 31.090 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX028414.D

Acq: 29 Apr 2022 11:17

Instrument :

MSVOA_X

ClientSampleId :

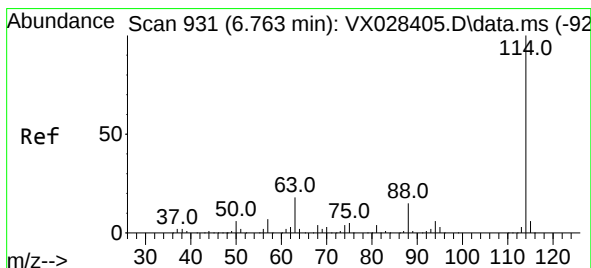
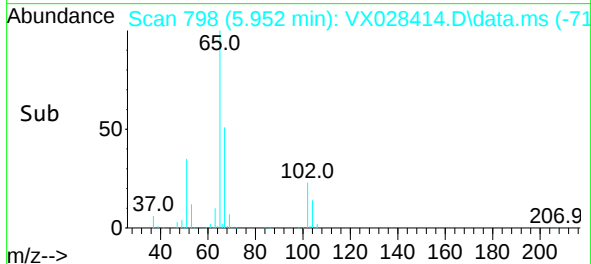
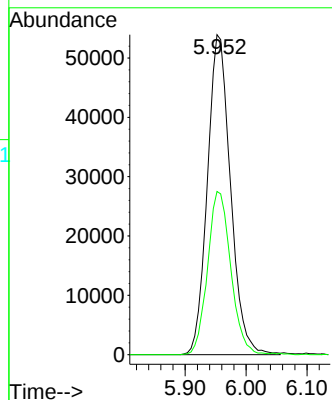
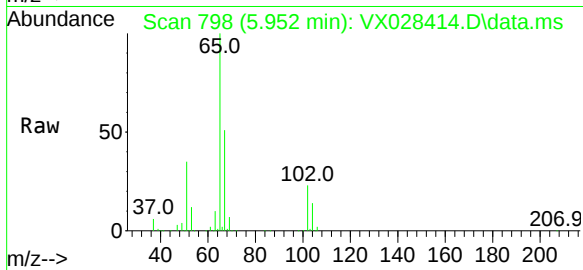
VX0429WBL01

Tgt Ion: 65 Resp: 142096

Ion Ratio Lower Upper

65 100

67 51.2 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: VX028414.D

Acq: 29 Apr 2022 11:17

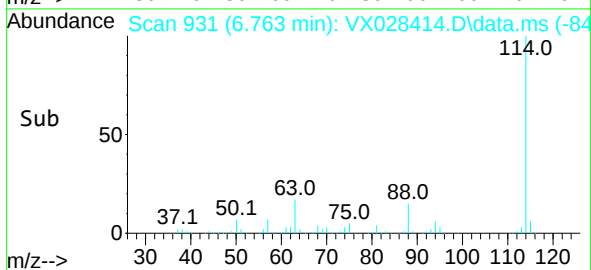
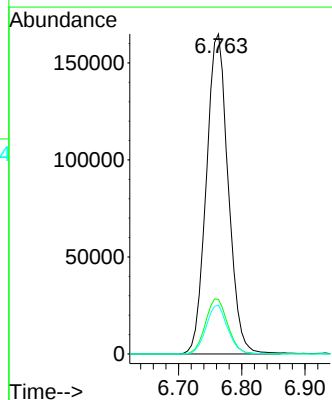
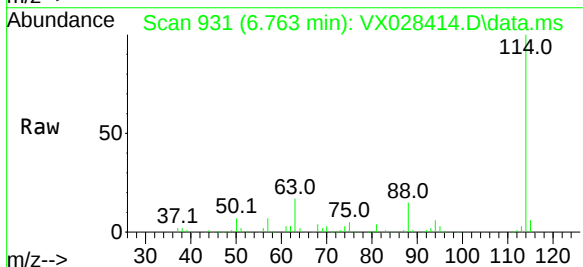
Tgt Ion: 114 Resp: 396059

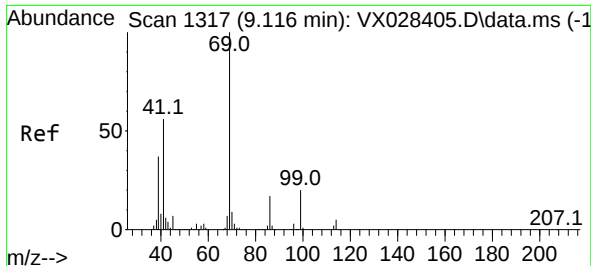
Ion Ratio Lower Upper

114 100

63 17.6 15.3 22.9

88 15.0 12.2 18.4

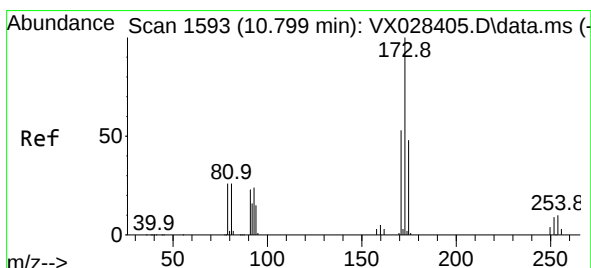
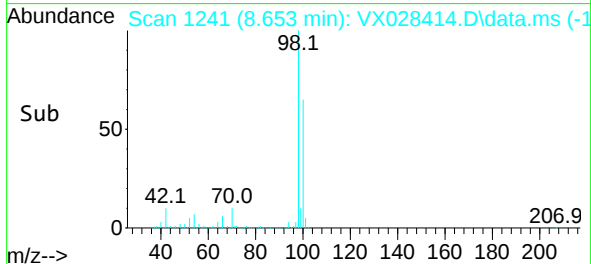
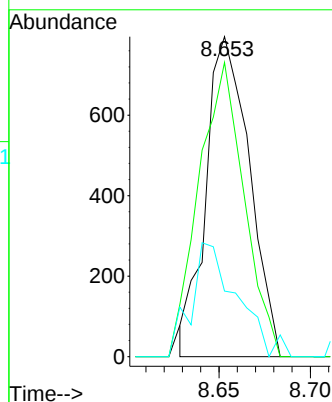
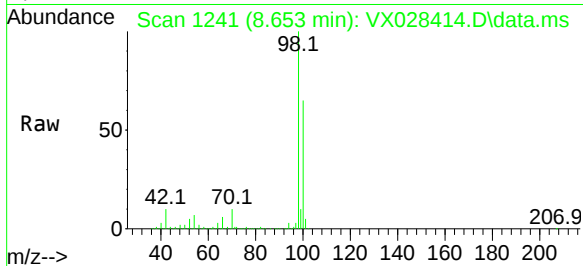




#51
Ethyl methacrylate
Concen: 0.216 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.463 min
Lab File: VX028414.D
Acq: 29 Apr 2022 11:17

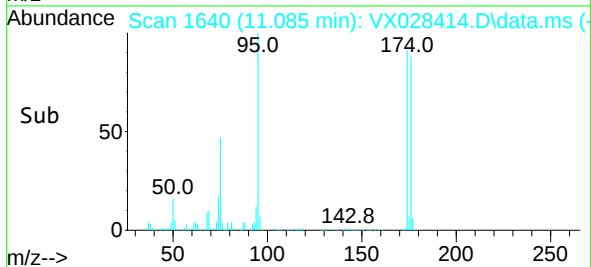
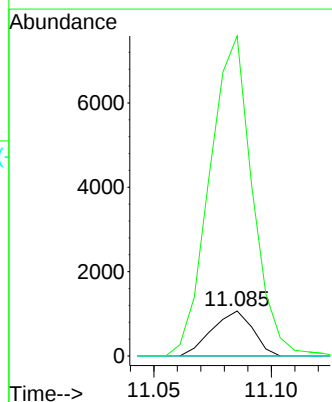
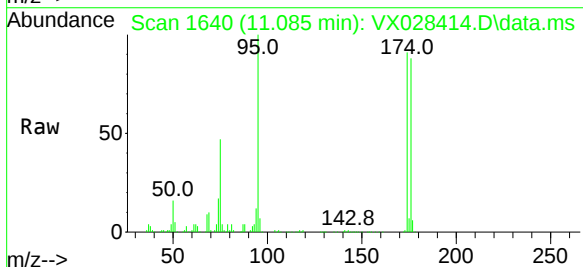
Instrument :
MSVOA_X
ClientSampleId :
VX0429WBL01

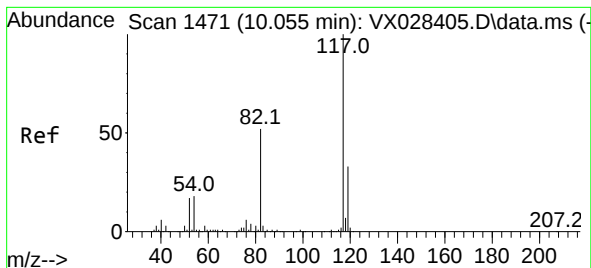
Tgt Ion: 69 Resp: 1315
Ion Ratio Lower Upper
69 100
41 91.9 32.1 96.5
39 13.7 18.3 54.9#



#56
Bromoform
Concen: 0.385 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.287 min
Lab File: VX028414.D
Acq: 29 Apr 2022 11:17

Tgt Ion: 173 Resp: 1290
Ion Ratio Lower Upper
173 100
175 748.4 40.3 60.5#
254 0.0 7.4 11.2#

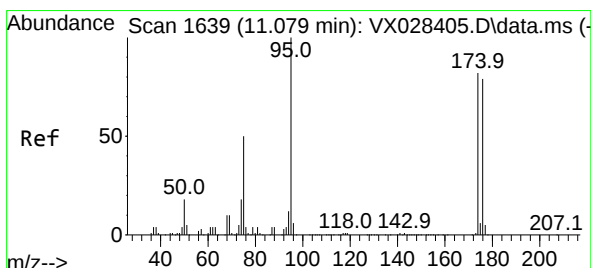
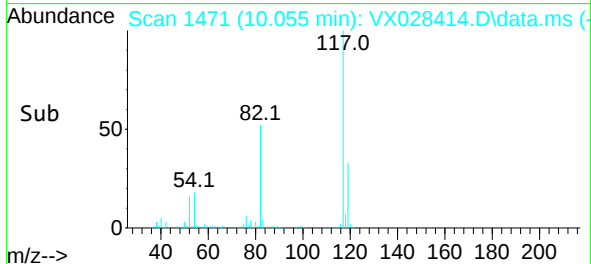
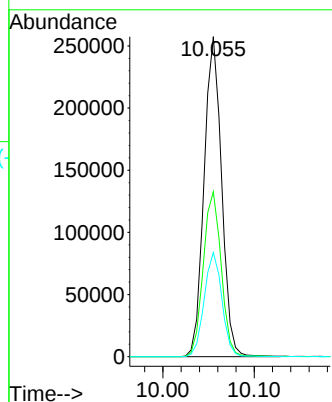
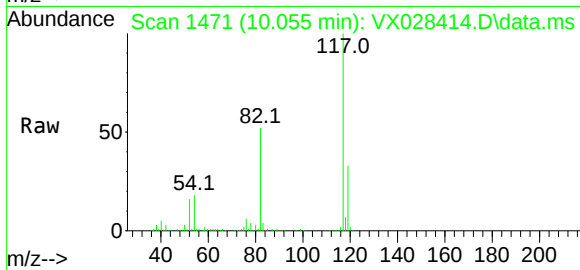




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028414.D
Acq: 29 Apr 2022 11:17

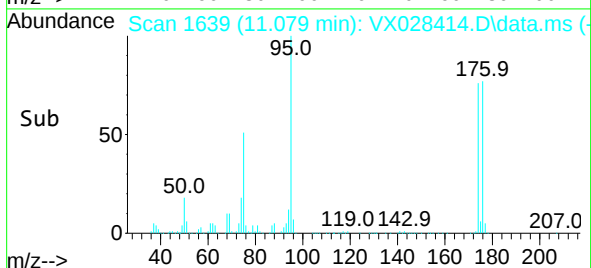
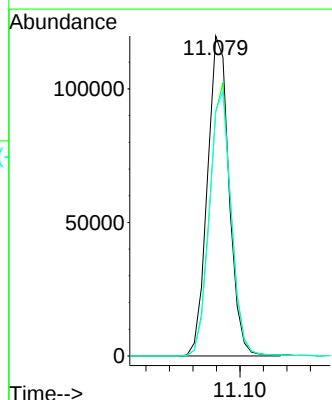
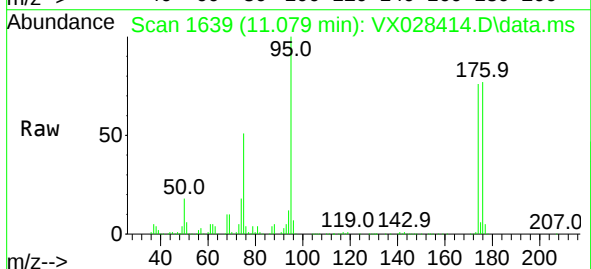
Instrument :
MSVOA_X
ClientSampleId :
VX0429WBL01

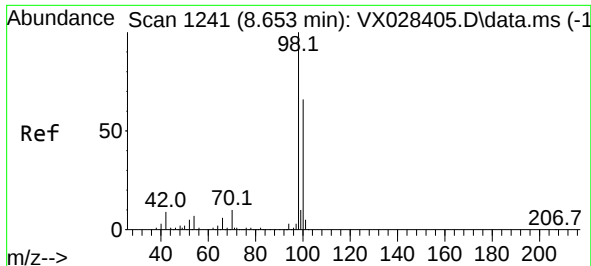
Tgt Ion: 117 Resp: 342881
Ion Ratio Lower Upper
117 100
82 52.4 42.3 63.5
119 32.8 26.2 39.2



#60
4-Bromofluorobenzene
Concen: 28.679 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028414.D
Acq: 29 Apr 2022 11:17

Tgt Ion: 95 Resp: 152924
Ion Ratio Lower Upper
95 100
174 85.1 65.4 98.2
176 83.2 63.4 95.0

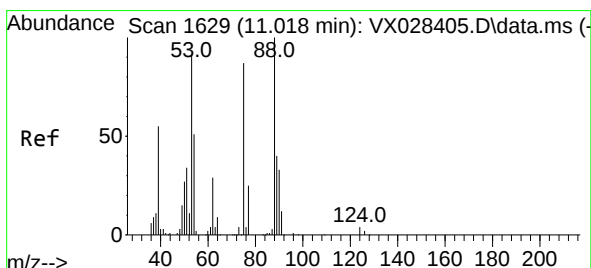
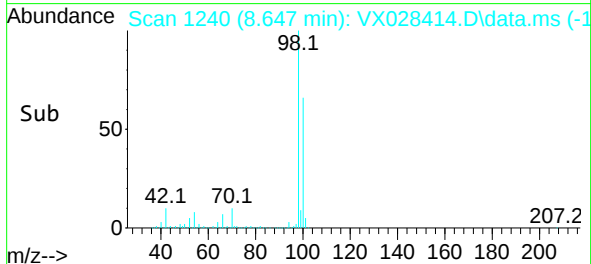
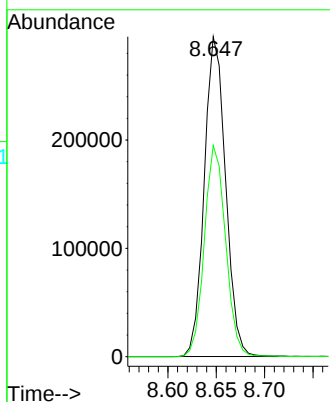
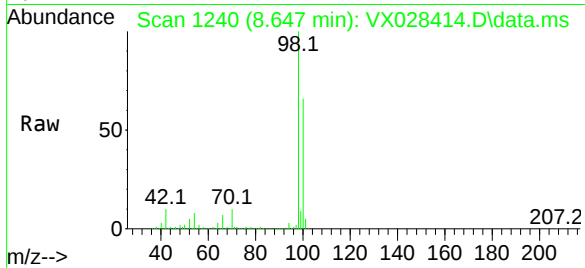




#63
Toluene-d8
Concen: 31.171 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX028414.D
Acq: 29 Apr 2022 11:17

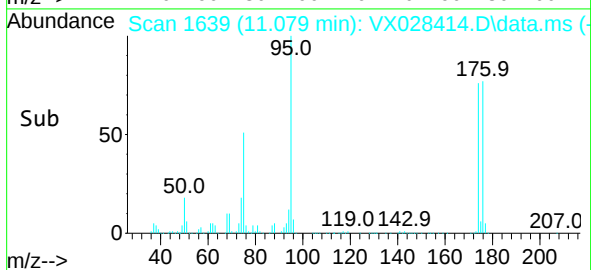
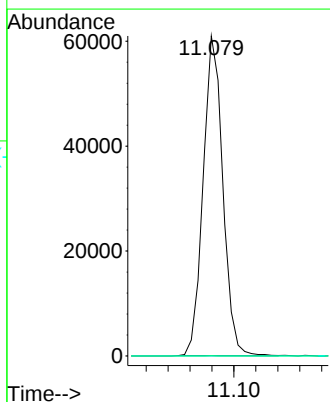
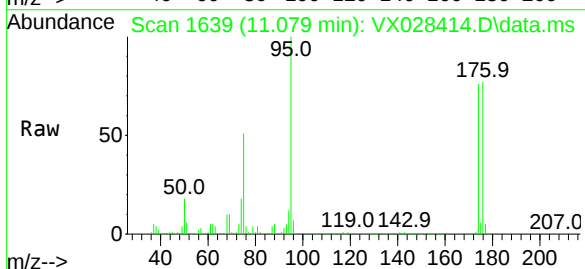
Instrument :
MSVOA_X
ClientSampleId :
VX0429WBL01

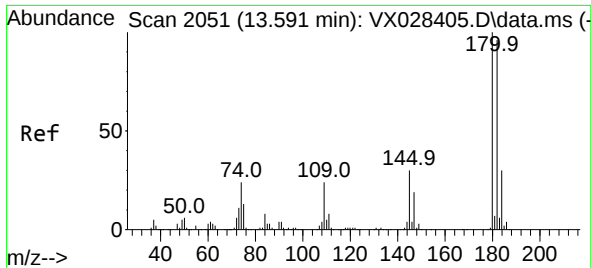
Tgt Ion: 98 Resp: 452769
Ion Ratio Lower Upper
98 100
100 65.9 51.4 77.2



#77
t-1,4-Dichloro-2-butene
Concen: 44.676 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028414.D
Acq: 29 Apr 2022 11:17

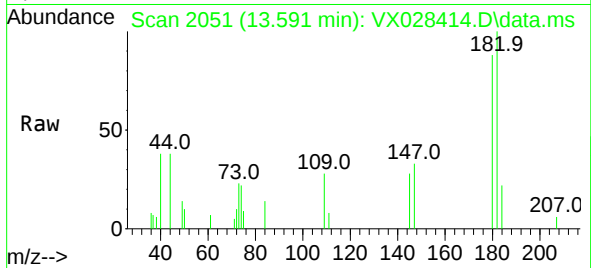
Tgt Ion: 75 Resp: 75945
Ion Ratio Lower Upper
75 100
53 0.1 59.7 179.1#
89 0.0 23.1 69.2#



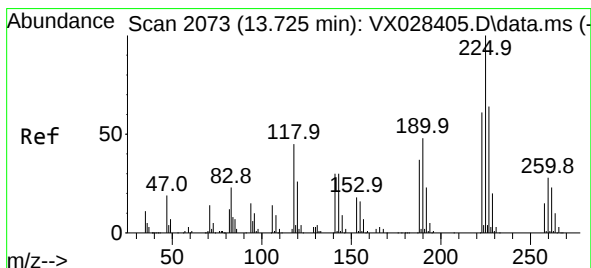
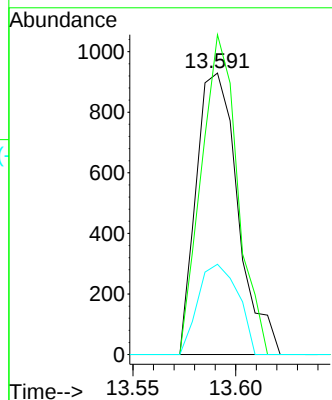
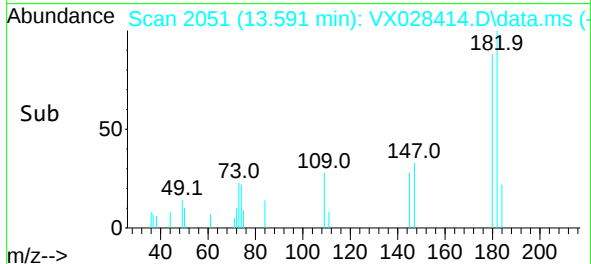


#89
 1,2,4-Trichlorobenzene
 Concen: 0.222 ug/l
 RT: 13.591 min Scan# 2051
 Delta R.T. 0.000 min
 Lab File: VX028414.D
 Acq: 29 Apr 2022 11:17

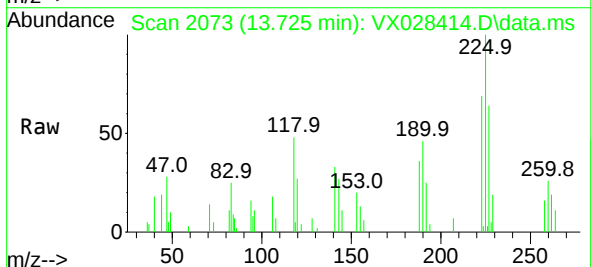
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0429WBL01



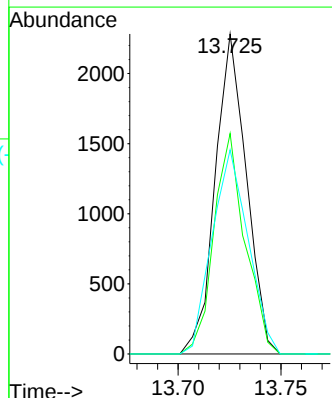
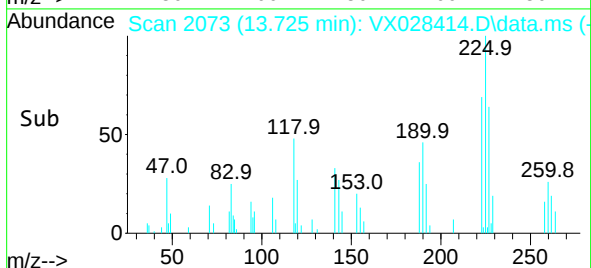
Tgt Ion:180 Resp: 1313
 Ion Ratio Lower Upper
 180 100
 182 98.6 77.4 116.2
 145 30.8 24.2 36.4

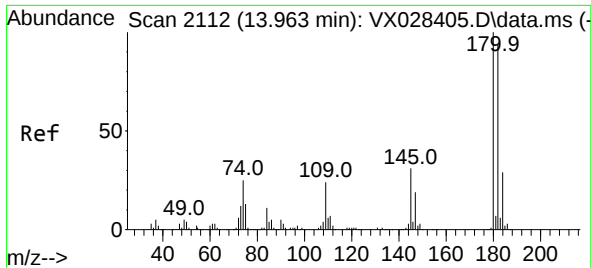


#90
 Hexachlorobutadiene
 Concen: 0.962 ug/l
 RT: 13.725 min Scan# 2073
 Delta R.T. 0.000 min
 Lab File: VX028414.D
 Acq: 29 Apr 2022 11:17



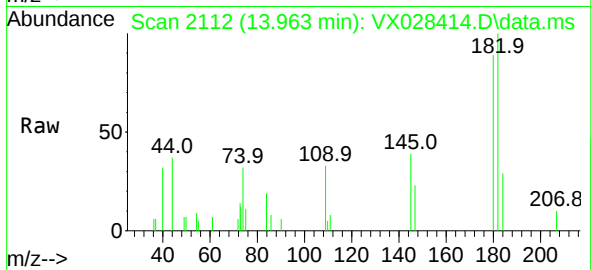
Tgt Ion:225 Resp: 2411
 Ion Ratio Lower Upper
 225 100
 223 69.0 0.0 126.0
 227 73.8 0.0 125.0





#92
 1,2,3-Trichlorobenzene
 Concen: 0.243 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.000 min
 Lab File: VX028414.D
 Acq: 29 Apr 2022 11:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0429WBL01



Tgt Ion:	180	Resp:	1442
Ion	Ratio	Lower	Upper
180	100		
182	87.2	0.0	189.4
145	36.4	0.0	67.2

