

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042922\
 Data File : VX028419.D
 Acq On : 29 Apr 2022 13:29
 Operator : JC/MD
 Sample : N2550-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DYCKMAN-200ST-A51515T50SB

Quant Time: Apr 29 15:05:51 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)

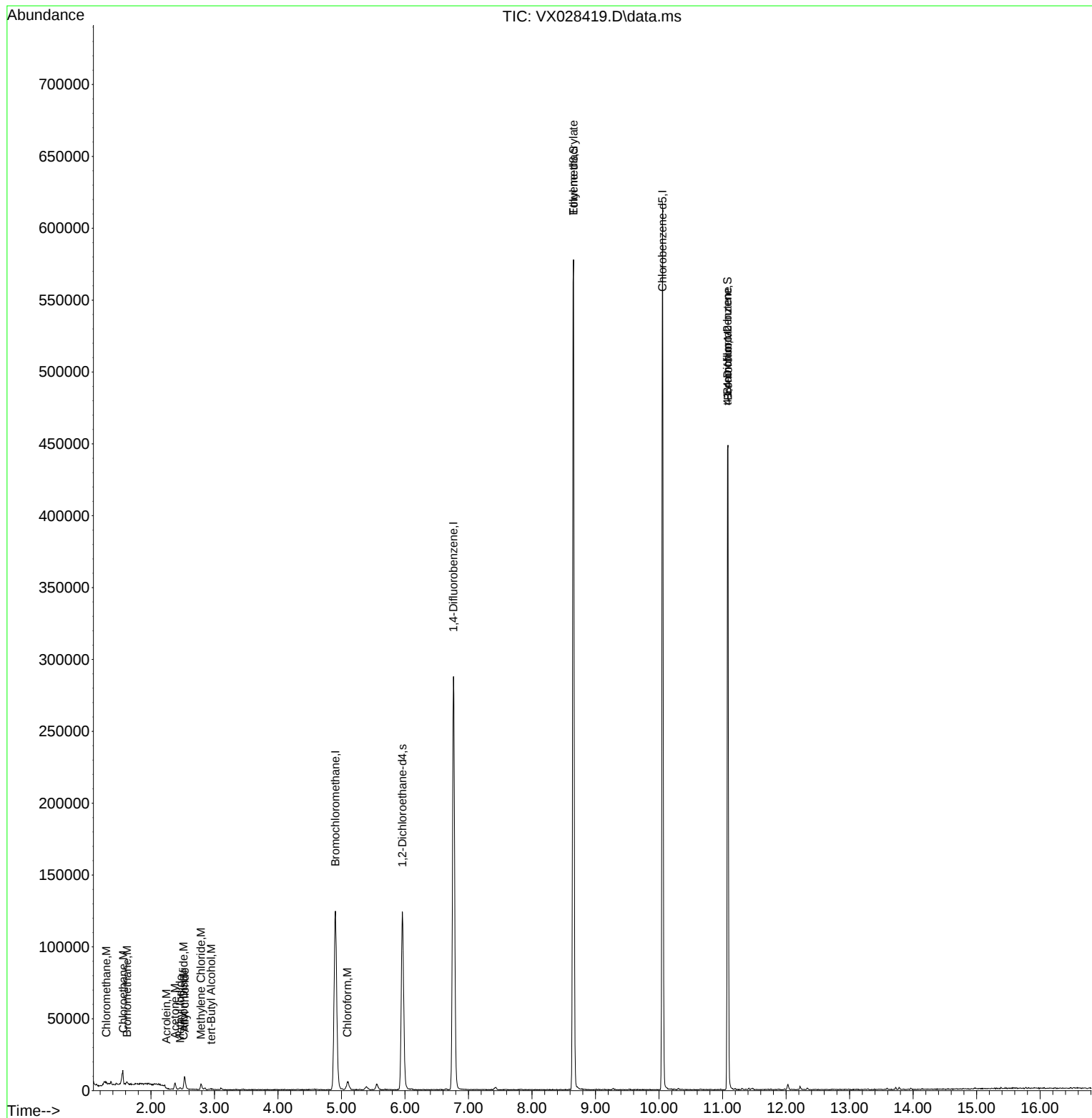
Internal Standards						
1) Bromochloromethane	4.904	128	55169	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	309683	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	271607	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	117012	33.351	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 111.167%#	
60) 4-Bromofluorobenzene	11.079	95	119068	28.189	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 93.967%	
63) Toluene-d8	8.653	98	359472	31.242	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 104.133%	
Target Compounds					Qvalue	
3) Chloromethane	1.295	50	477	0.310	ug/l #	43
5) Bromomethane	1.624	94	1141	0.708	ug/l	95
6) Chloroethane	1.563	64	308	0.204	ug/l	99
11) Methyl Iodide	2.459	142	1114	0.399	ug/l #	80
13) Acrolein	2.239	56	148	0.220	ug/l #	49
15) Acetone	2.380	58	1517	3.543	ug/l #	57
16) Carbon Disulfide	2.514	76	670	0.273	ug/l #	75
17) Allyl chloride	2.532	41	947	0.303	ug/l	65
18) Methylene Chloride	2.788	84	1862	0.697	ug/l #	74
23) tert-Butyl Alcohol	2.947	59	383	0.469	ug/l #	100
25) Chloroform	5.093	83	3158	0.585	ug/l	88
51) Ethyl methacrylate	8.653	69	1135	0.238	ug/l #	81
56) Bromoform	11.085	173	1193	0.455	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	60941	45.257	ug/l #	3

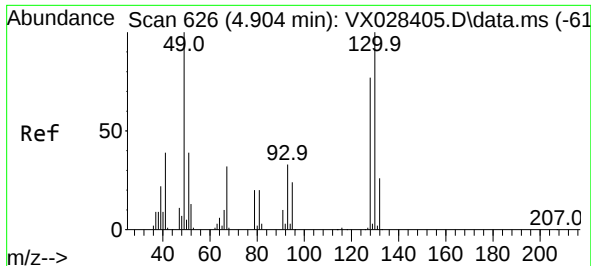
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042922\
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Instrument :
MSVOA_X
ClientSampleId :
DYCKMAN-200ST-A51515T50SB

Quant Time: Apr 29 15:05:51 2022
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 29 06:09:36 2022
Response via : Initial Calibration

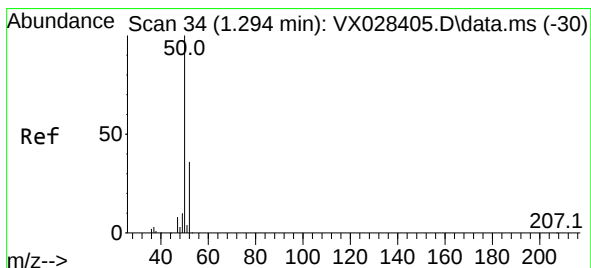
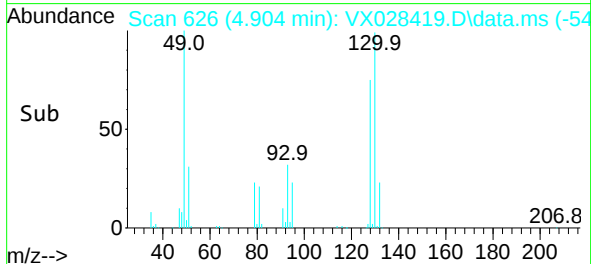
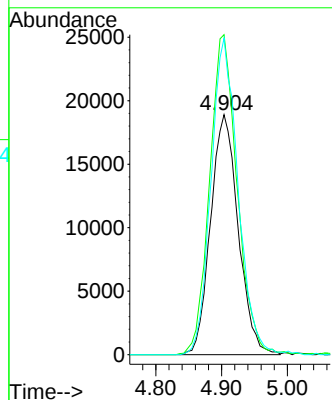
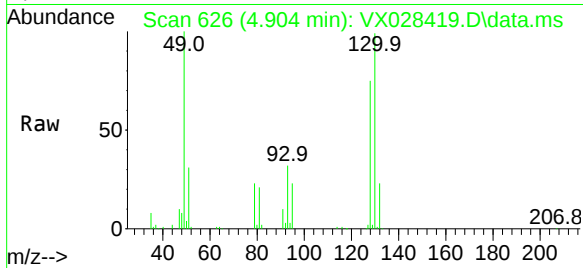




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX028419.D
Acq: 29 Apr 2022 13:29

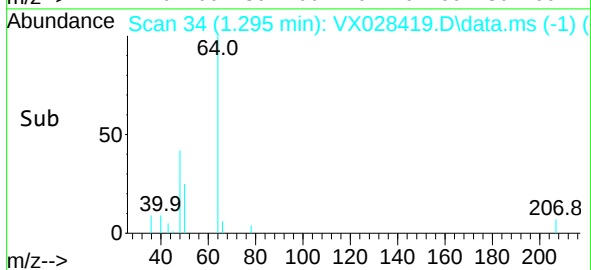
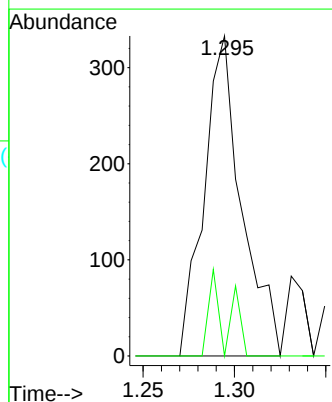
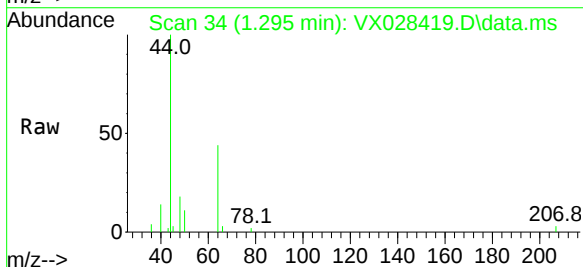
Instrument :
MSVOA_X
ClientSampleId :
DYCKMAN-200ST-A51515T50SB

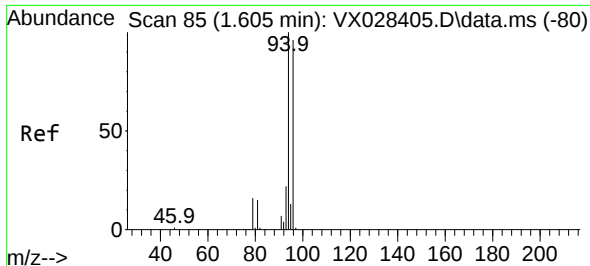
Tgt Ion:128 Resp: 55169
Ion Ratio Lower Upper
128 100
49 132.4 0.0 358.3
130 129.1 0.0 319.3



#3
Chloromethane
Concen: 0.310 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028419.D
Acq: 29 Apr 2022 13:29

Tgt Ion: 50 Resp: 477
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#

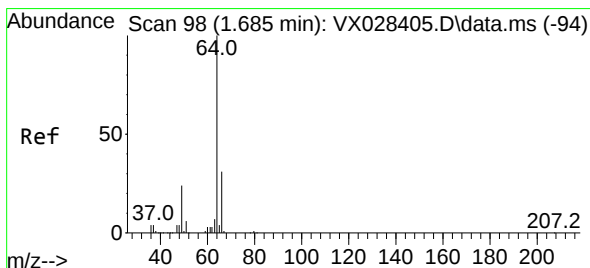
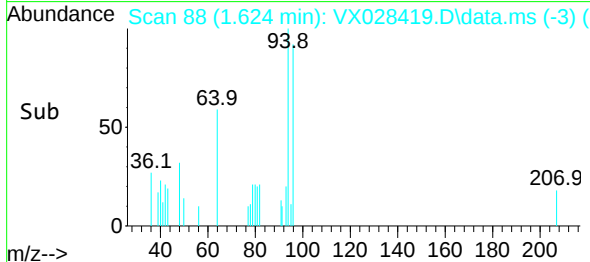
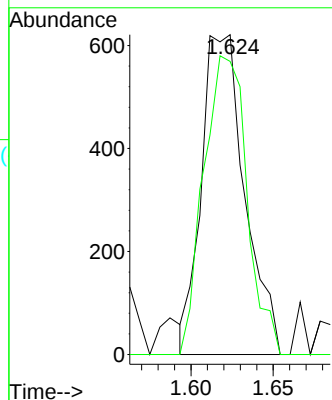
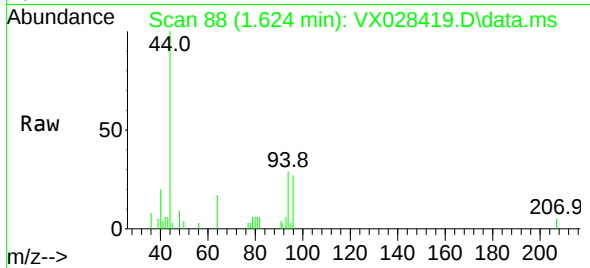




#5
Bromomethane
Concen: 0.708 ug/l
RT: 1.624 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX028419.D
Acq: 29 Apr 2022 13:29

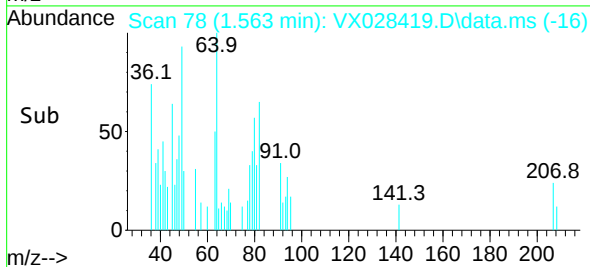
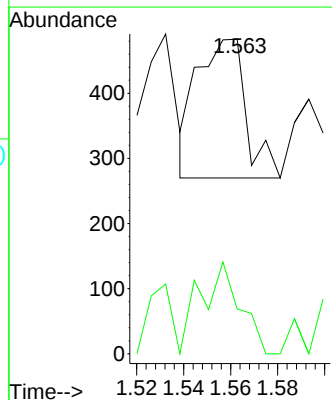
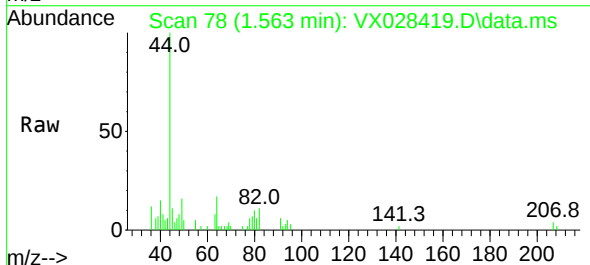
Instrument :
MSVOA_X
ClientSampleId :
DYCKMAN-200ST-A51515T50SB

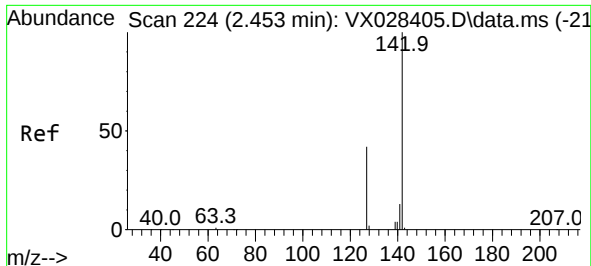
Tgt Ion: 94 Resp: 1141
Ion Ratio Lower Upper
94 100
96 91.6 77.0 115.6



#6
Chloroethane
Concen: 0.204 ug/l
RT: 1.563 min Scan# 78
Delta R.T. -0.122 min
Lab File: VX028419.D
Acq: 29 Apr 2022 13:29

Tgt Ion: 64 Resp: 308
Ion Ratio Lower Upper
64 100
66 32.4 26.4 39.6

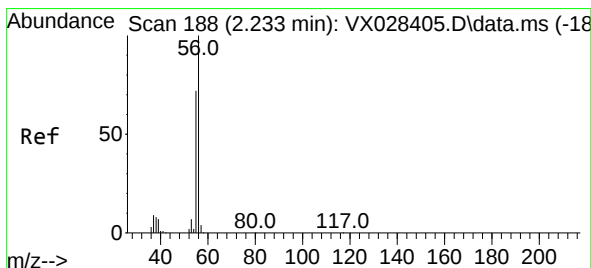
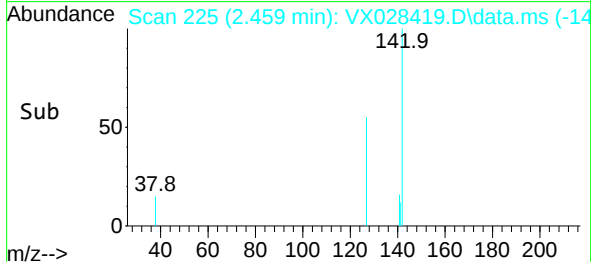
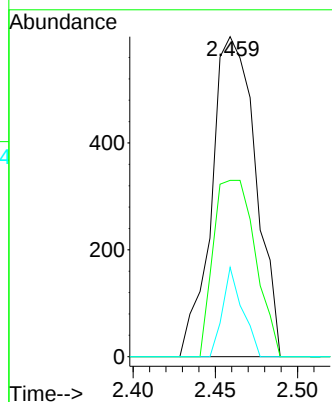
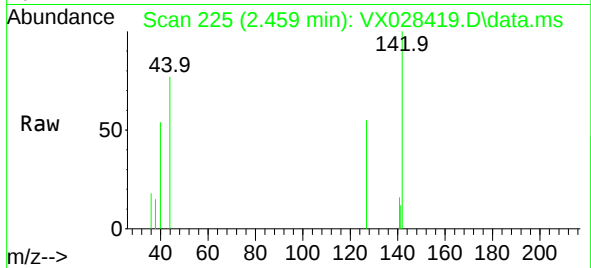




#11
Methyl Iodide
Concen: 0.399 ug/l
RT: 2.459 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX028419.D
Acq: 29 Apr 2022 13:29

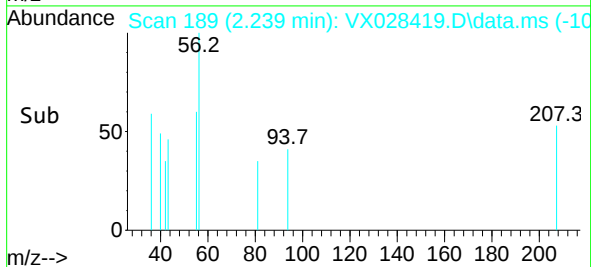
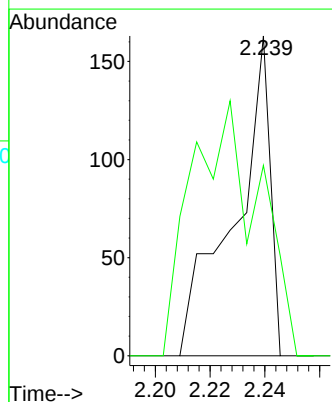
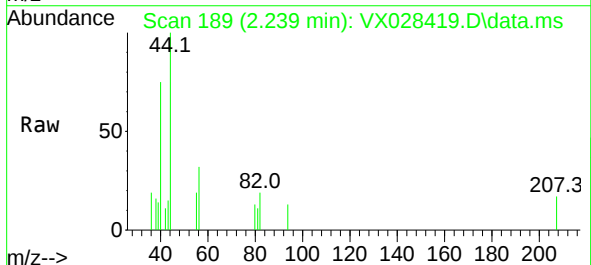
Instrument :
MSVOA_X
ClientSampleId :
DYCKMAN-200ST-A51515T50SB

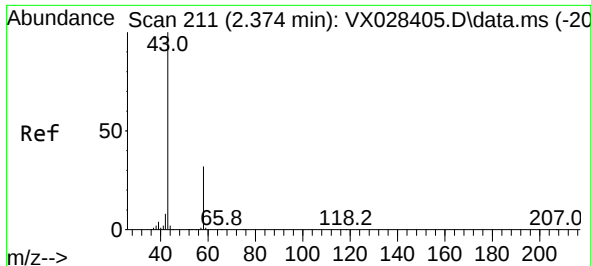
Tgt Ion:142 Resp: 1114
Ion Ratio Lower Upper
142 100
127 55.1 22.3 66.9
141 27.9 7.0 20.9#



#13
Acrolein
Concen: 0.220 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.006 min
Lab File: VX028419.D
Acq: 29 Apr 2022 13:29

Tgt Ion: 56 Resp: 148
Ion Ratio Lower Upper
56 100
55 112.8 56.4 84.6#





#15

Acetone

Concen: 3.543 ug/l

RT: 2.380 min Scan# 211

Delta R.T. 0.006 min

Lab File: VX028419.D

Acq: 29 Apr 2022 13:29

Instrument :

MSVOA_X

ClientSampleId :

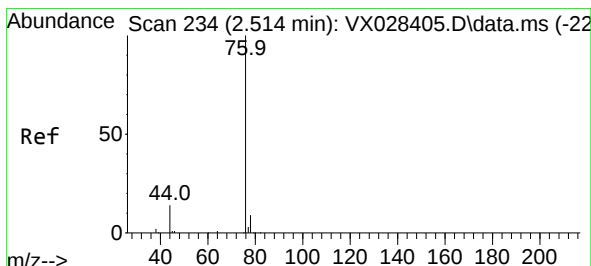
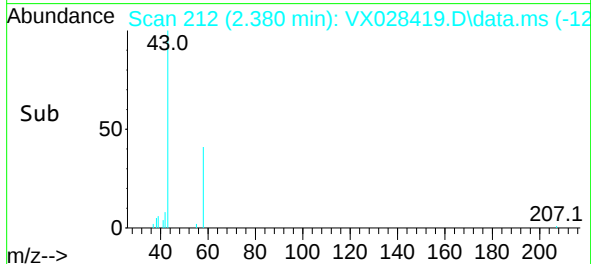
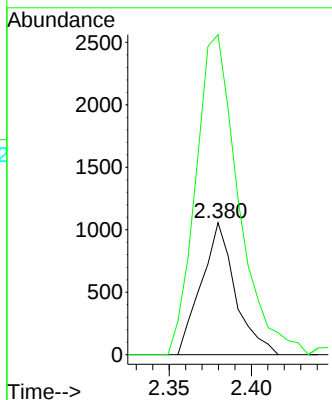
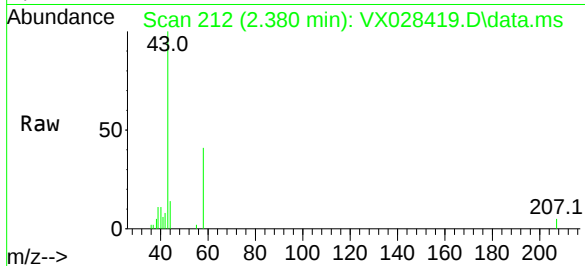
DYCKMAN-200ST-A51515T50SB

Tgt Ion: 58 Resp: 1517

Ion Ratio Lower Upper

58 100

43 225.7 250.2 375.2#



#16

Carbon Disulfide

Concen: 0.273 ug/l

RT: 2.514 min Scan# 234

Delta R.T. 0.000 min

Lab File: VX028419.D

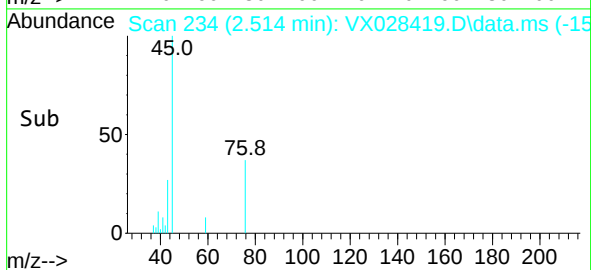
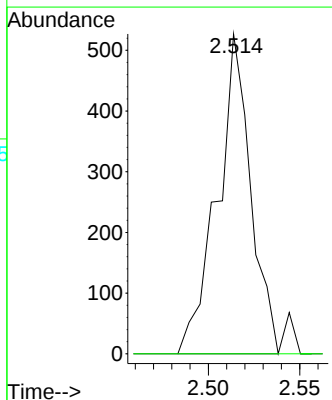
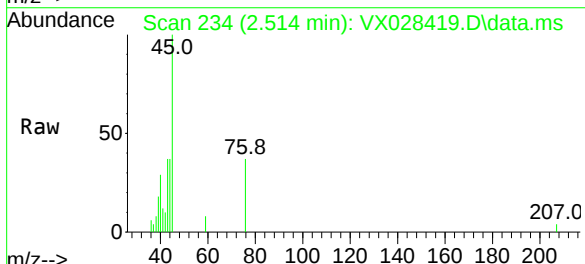
Acq: 29 Apr 2022 13:29

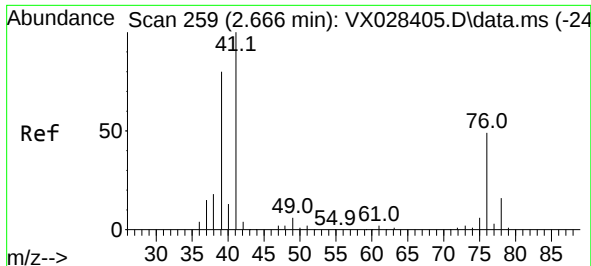
Tgt Ion: 76 Resp: 670

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#





#17

Allyl chloride

Concen: 0.303 ug/l

RT: 2.532 min Scan# 21

Delta R.T. -0.134 min

Lab File: VX028419.D

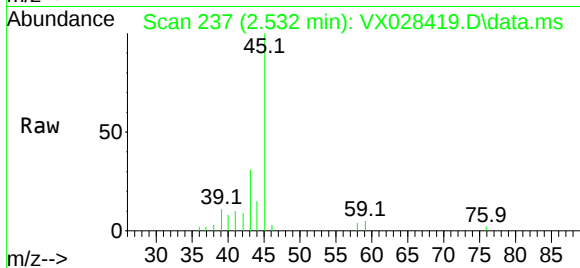
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Instrument :

MSVOA_X

ClientSampleId :

DYCKMAN-200ST-A51515T50SB



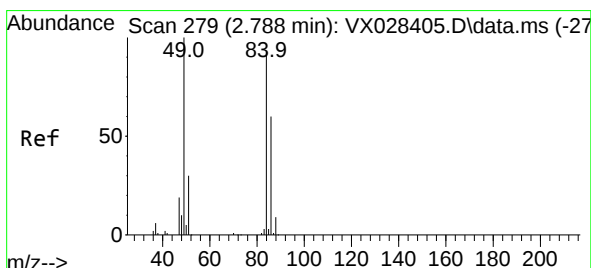
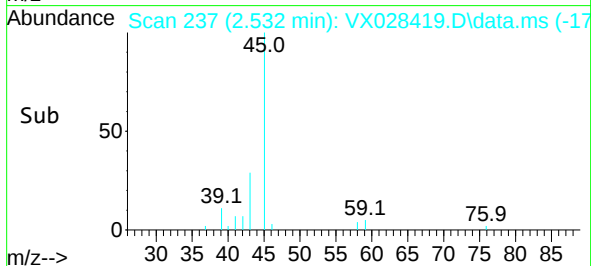
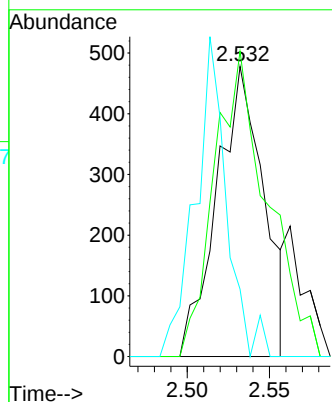
Tgt Ion: 41 Resp: 947

Ion Ratio Lower Upper

41 100

39 105.2 35.4 106.1

76 23.2 18.4 55.4



#18

Methylene Chloride

Concen: 0.697 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX028419.D

Acq: 29 Apr 2022 13:29

Tgt Ion: 84 Resp: 1862

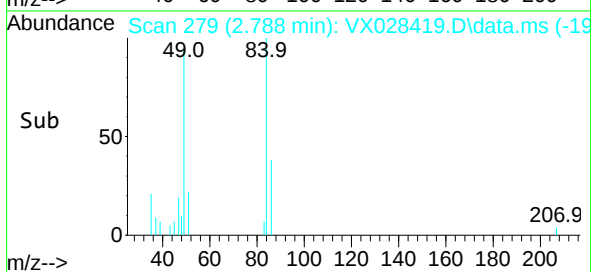
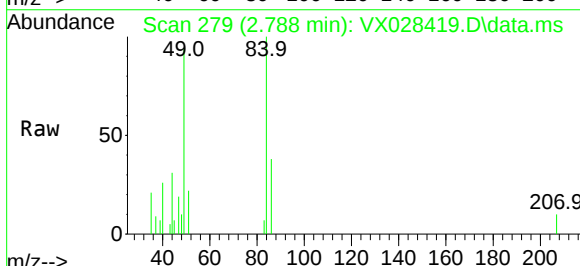
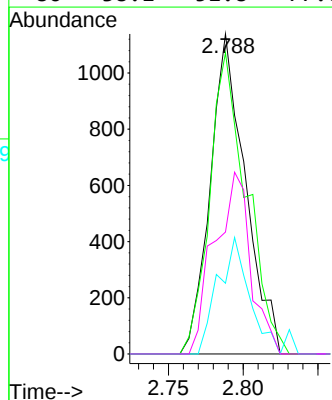
Ion Ratio Lower Upper

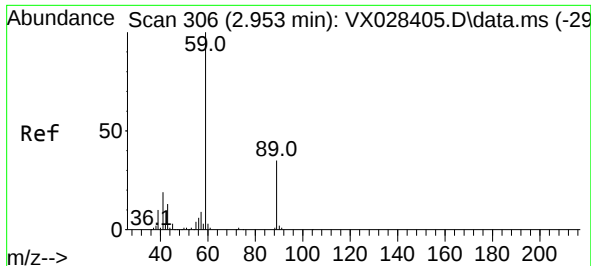
84 100

49 94.1 94.2 141.2#

51 22.1 29.2 43.8#

86 38.1 51.8 77.6#

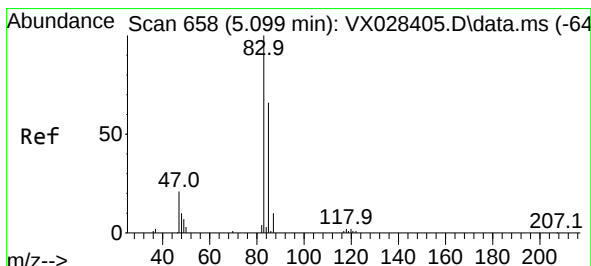
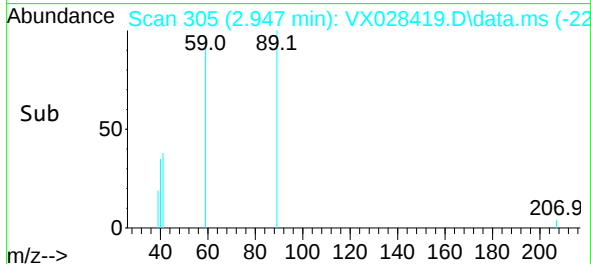
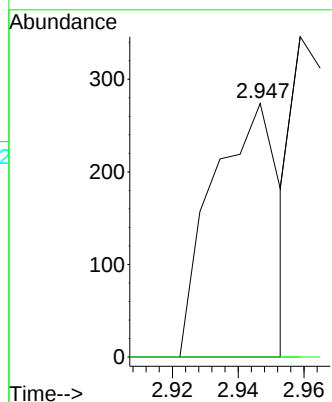
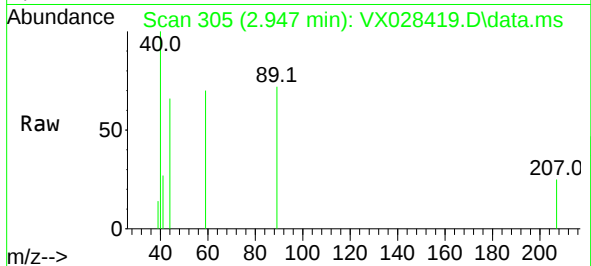




#23
tert-Butyl Alcohol
Concen: 0.469 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.006 min
Lab File: VX028419.D
Acq: 29 Apr 2022 13:29

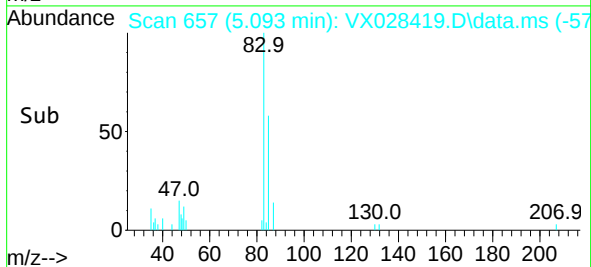
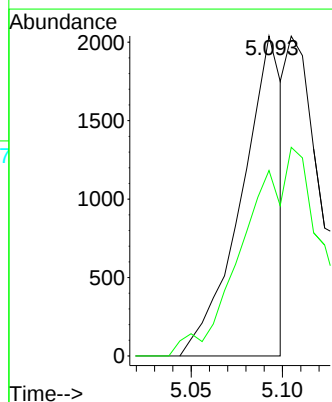
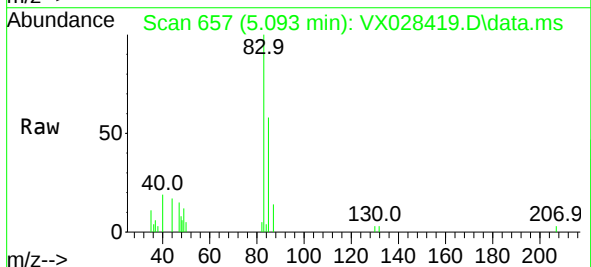
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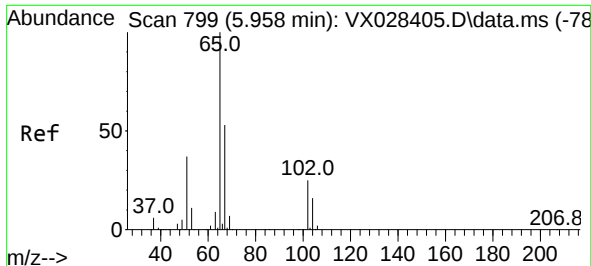
Tgt Ion: 59 Resp: 383
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#25
Chloroform
Concen: 0.585 ug/l
RT: 5.093 min Scan# 657
Delta R.T. -0.006 min
Lab File: VX028419.D
Acq: 29 Apr 2022 13:29

Tgt Ion: 83 Resp: 3158
Ion Ratio Lower Upper
83 100
85 53.2 49.9 74.9





#27

1,2-Dichloroethane-d4

Concen: 33.351 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028419.D

Acq: 29 Apr 2022 13:29

Instrument :

MSVOA_X

ClientSampleId :

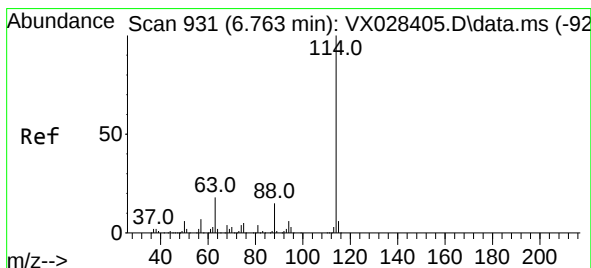
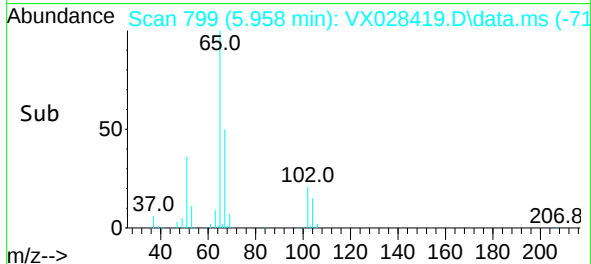
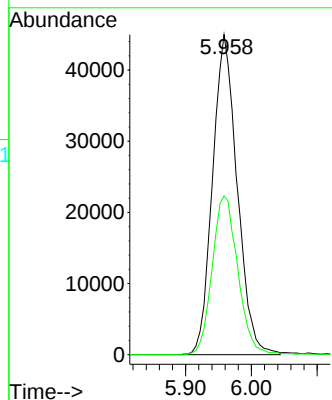
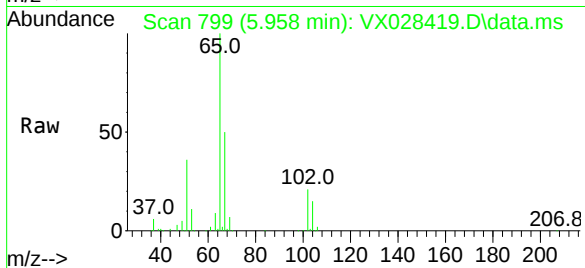
DYCKMAN-200ST-A51515T50SB

Tgt Ion: 65 Resp: 117012

Ion Ratio Lower Upper

65 100

67 51.4 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: VX028419.D

Acq: 29 Apr 2022 13:29

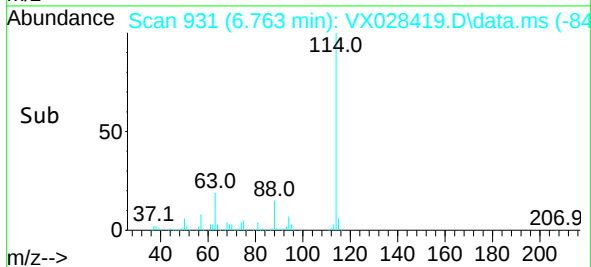
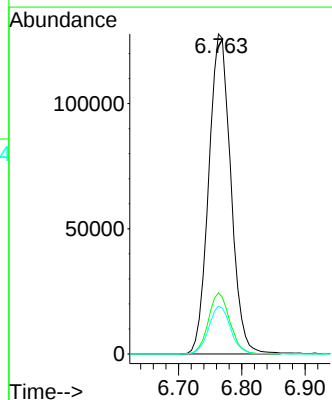
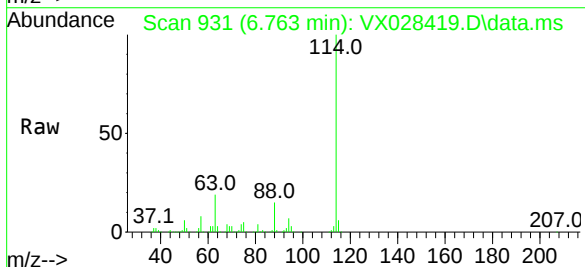
Tgt Ion: 114 Resp: 309683

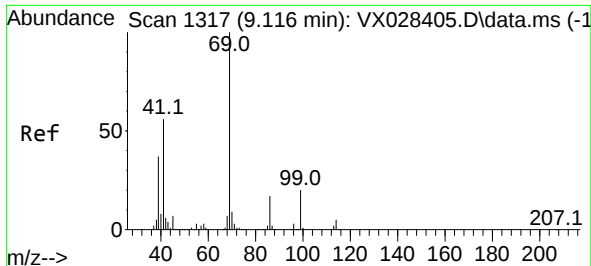
Ion Ratio Lower Upper

114 100

63 18.6 15.3 22.9

88 14.7 12.2 18.4

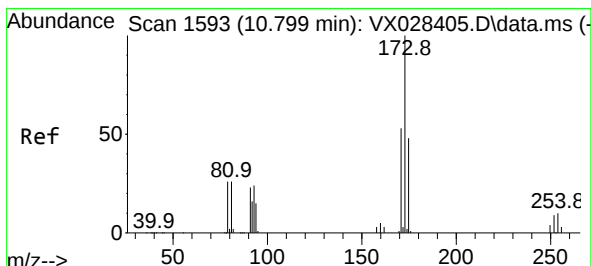
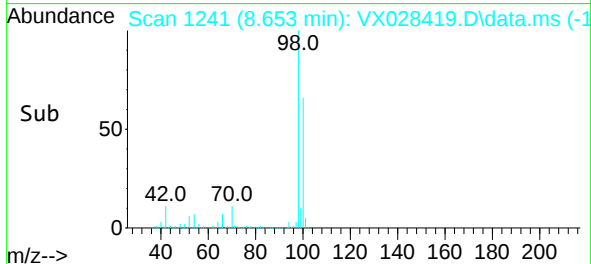
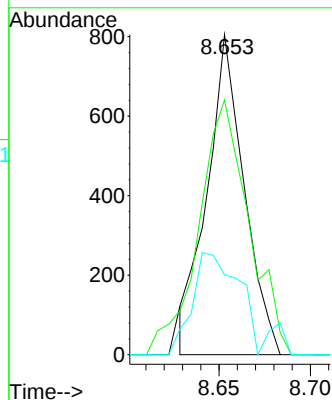
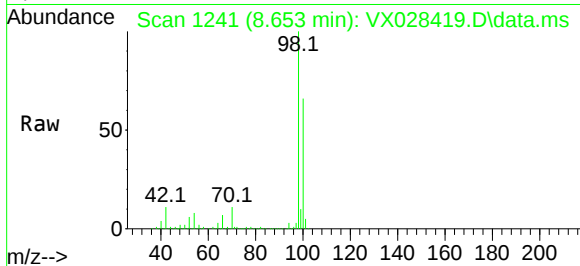




#51
Ethyl methacrylate
Concen: 0.238 ug/l
RT: 8.653 min Scan# 1135
Delta R.T. -0.463 min
Lab File: VX028419.D
Acq: 29 Apr 2022 13:29

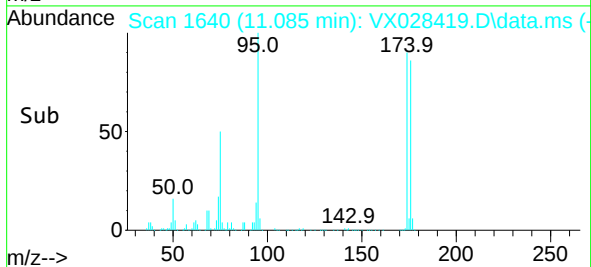
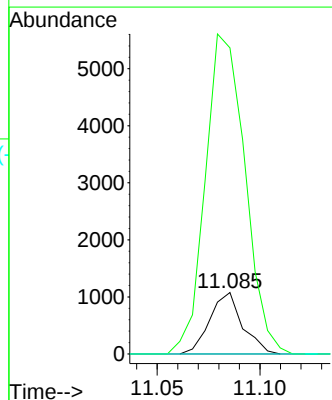
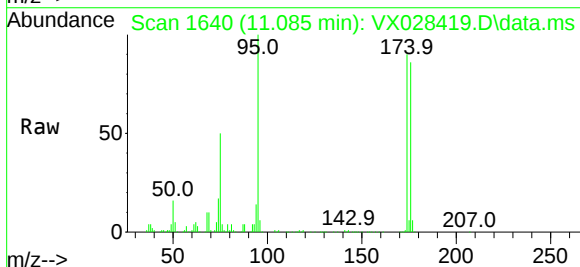
Instrument : MSVOA_X
ClientSampleId : DYCKMAN-200ST-A51515T50SB

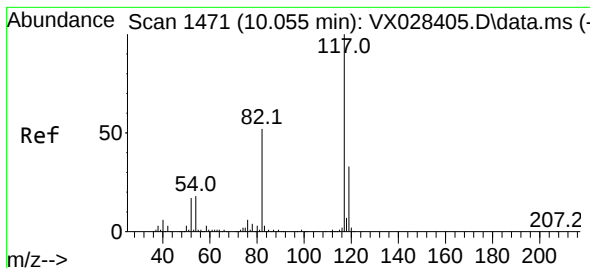
Tgt Ion:	69	Resp:	1135
Ion	Ratio	Lower	Upper
69	100		
41	72.7	32.1	96.5
39	16.9	18.3	54.9



#56
Bromoform
Concen: 0.455 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.287 min
Lab File: VX028419.D
Acq: 29 Apr 2022 13:29

Tgt Ion:	173	Resp:	1193
Ion	Ratio	Lower	Upper
173	100		
175	632.4	40.3	60.5
254	0.0	7.4	11.2

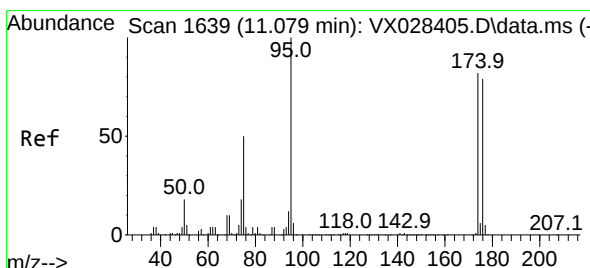
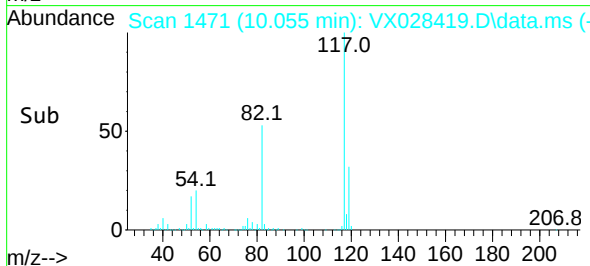
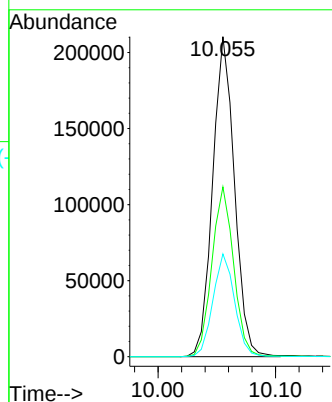
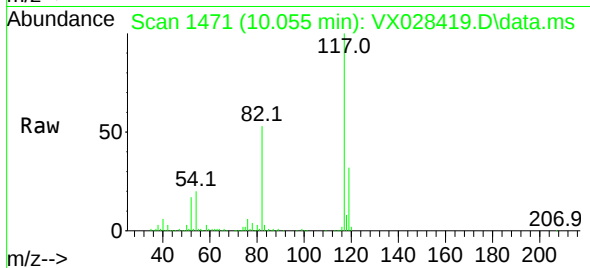




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028419.D
Acq: 29 Apr 2022 13:29

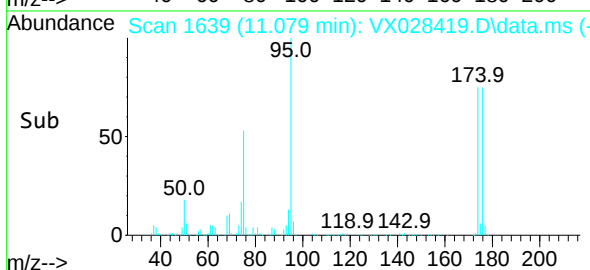
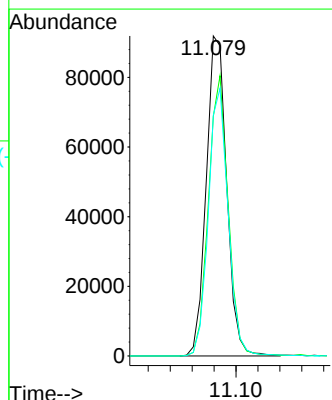
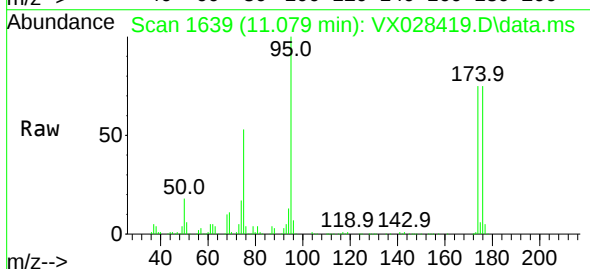
Instrument :
MSVOA_X
ClientSampleId :
DYCKMAN-200ST-A51515T50SB

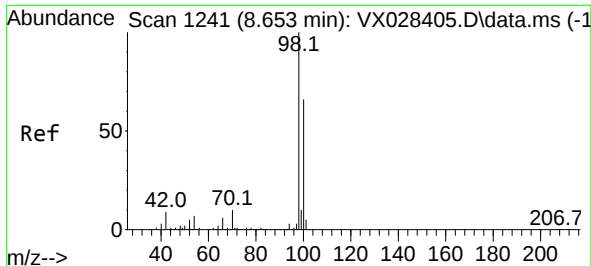
Tgt Ion: 117 Resp: 271607
Ion Ratio Lower Upper
117 100
82 53.1 42.3 63.5
119 31.9 26.2 39.2



#60
4-Bromofluorobenzene
Concen: 28.189 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028419.D
Acq: 29 Apr 2022 13:29

Tgt Ion: 95 Resp: 119068
Ion Ratio Lower Upper
95 100
174 83.3 65.4 98.2
176 80.4 63.4 95.0

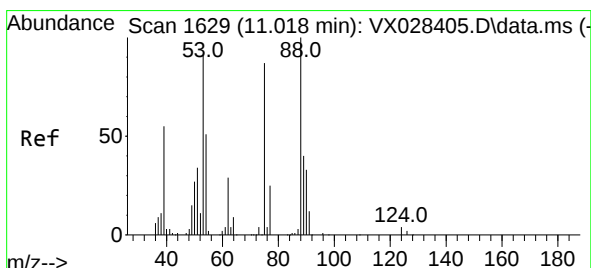
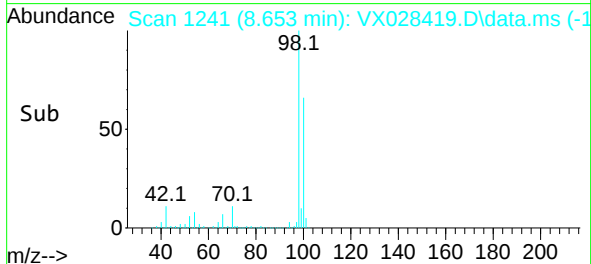
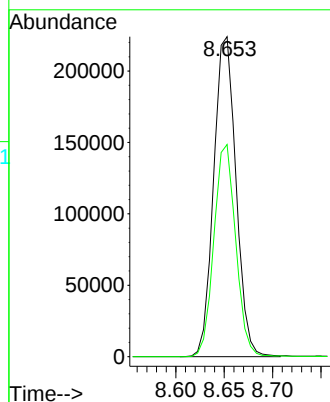
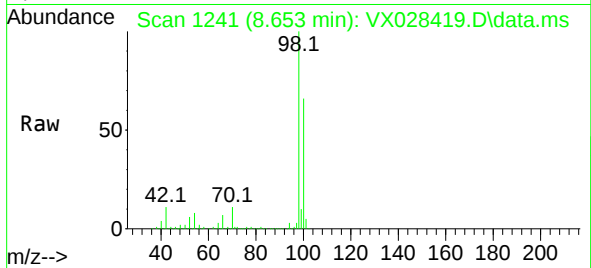




#63
Toluene-d8
Concen: 31.242 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX028419.D
Acq: 29 Apr 2022 13:29

Instrument : MSVOA_X
ClientSampleId : DYCKMAN-200ST-A51515T50SB

Tgt Ion: 98 Resp: 359472
Ion Ratio Lower Upper
98 100
100 65.0 51.4 77.2



#77
t-1,4-Dichloro-2-butene
Concen: 45.257 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028419.D
Acq: 29 Apr 2022 13:29

Tgt Ion: 75 Resp: 60941
Ion Ratio Lower Upper
75 100
53 0.0 59.7 179.1#
89 0.0 23.1 69.2#

