

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042122\
 Data File : VX028246.D
 Acq On : 21 Apr 2022 17:09
 Operator : JC/MD
 Sample : N2459-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 31583

Quant Time: Apr 22 06:15:59 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	5.556	168	382430	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	660290	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	636312	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	303390	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	271874	54.523	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	109.040%
35) Dibromofluoromethane	5.385	113	246142	53.156	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	106.320%
50) Toluene-d8	8.653	98	908403	51.077	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.160%
62) 4-Bromofluorobenzene	11.079	95	335299	49.307	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	98.620%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.294	50	423	Below Cal	#	81
5) Bromomethane	1.617	94	684	Below Cal		89
6) Chloroethane	1.703	64	562	Below Cal	#	43
10) Methyl Iodide	2.459	142	494	5.339	ug/l #	88
11) Tert butyl alcohol	2.946	59	857	Below Cal	#	89
16) Acetone	2.380	43	6796	3.083	ug/l #	83
25) 2-Butanone	4.580	43	1301	0.441	ug/l	91
31) Cyclohexane	5.556	56	7821	1.287	ug/l #	36
36) 1,1-Dichloropropene	5.556	75	27610	4.571	ug/l #	50
37) Ethyl Acetate	4.580	43	1301	0.212	ug/l #	65
38) Carbon Tetrachloride	5.556	117	38054	5.581	ug/l #	15
67) Ethyl Benzene	10.195	91	5418	0.238	ug/l	99
68) m/p-Xylenes	10.305	106	3913	0.423	ug/l	99
69) o-Xylene	10.646	106	3265	0.354	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	168170	28.165	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	168170	83.699	ug/l #	15
90) Hexachloroethane	12.615	117	372	1.920	ug/l #	10

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

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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

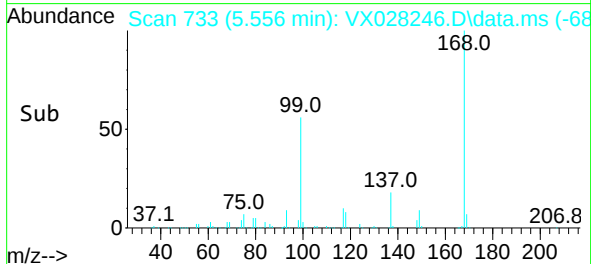
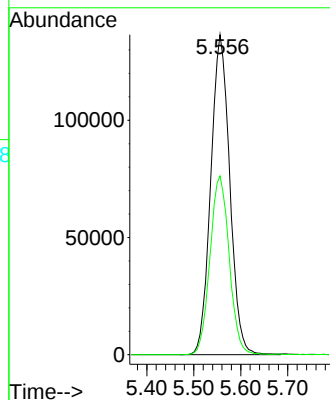
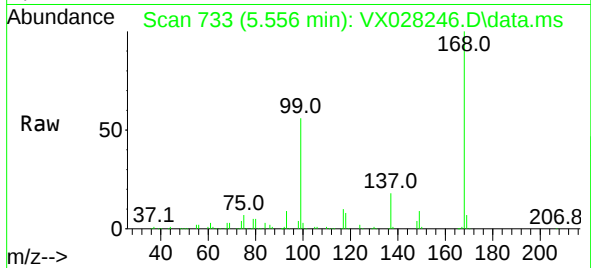




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028246.D
Acq: 21 Apr 2022 17:09

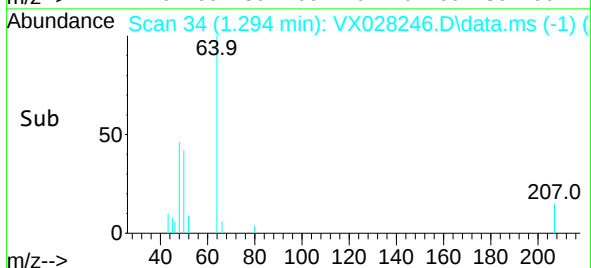
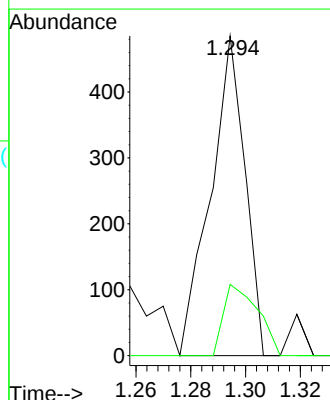
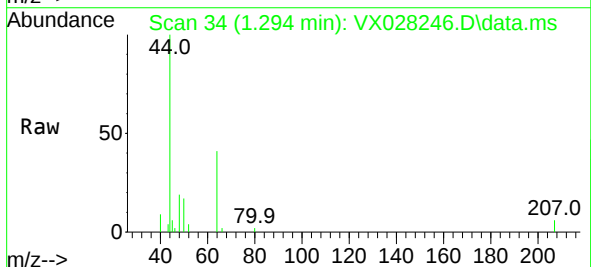
Instrument :
MSVOA_X
ClientSampleId :
31583

Tgt Ion:168 Resp: 382430
Ion Ratio Lower Upper
168 100
99 55.9 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028246.D
Acq: 21 Apr 2022 17:09

Tgt Ion: 50 Resp: 423
Ion Ratio Lower Upper
50 100
52 22.3 26.4 39.6#

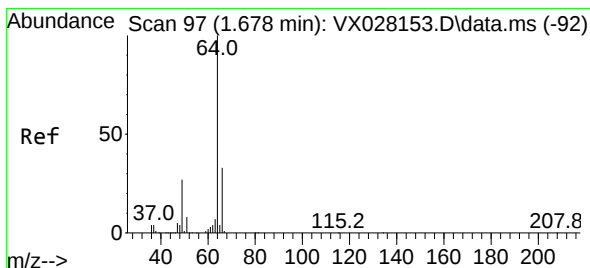
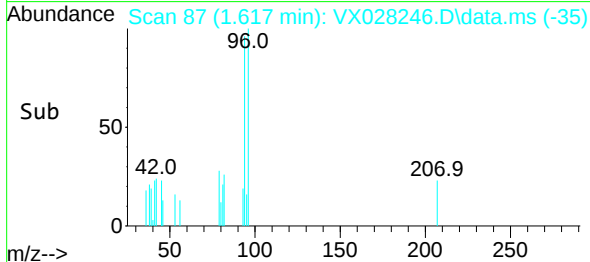
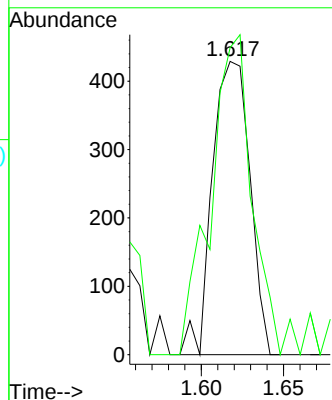
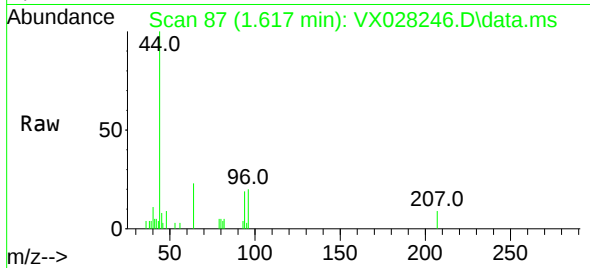




#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX028246.D
Acq: 21 Apr 2022 17:09

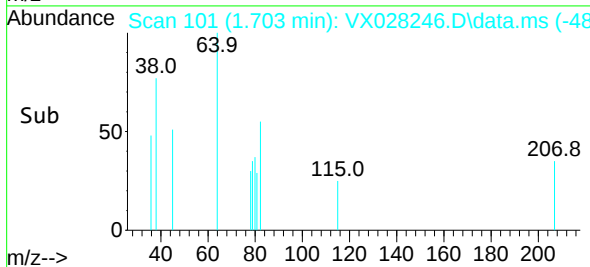
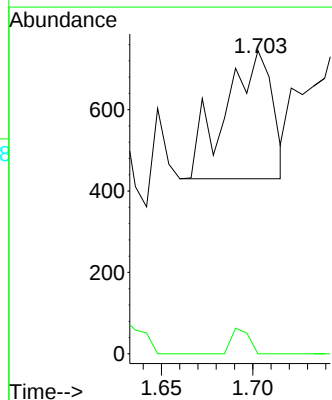
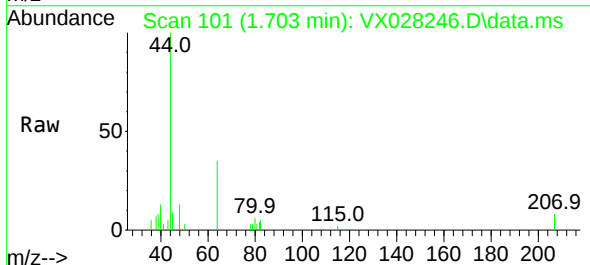
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ClientSampleId :
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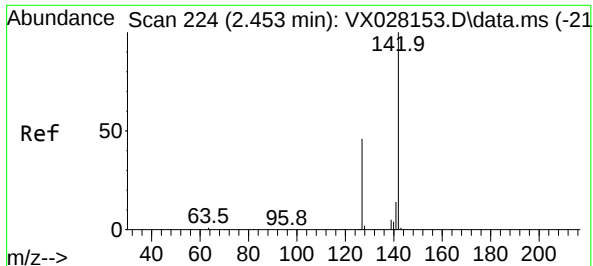
Tgt Ion: 94 Resp: 684
Ion Ratio Lower Upper
94 100
96 104.7 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.703 min Scan# 101
Delta R.T. 0.025 min
Lab File: VX028246.D
Acq: 21 Apr 2022 17:09

Tgt Ion: 64 Resp: 562
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9

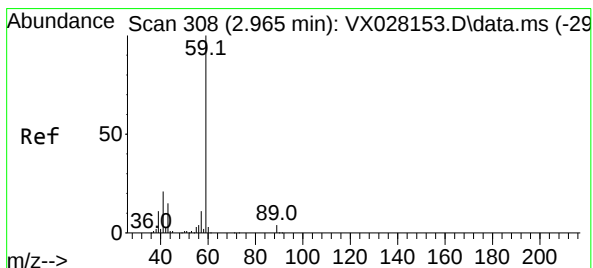
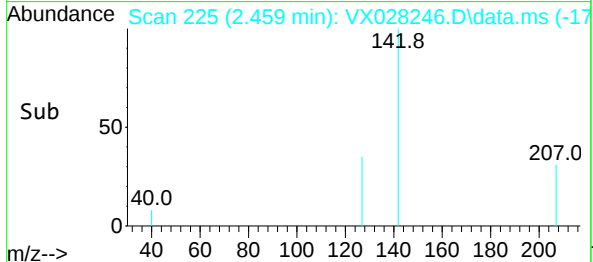
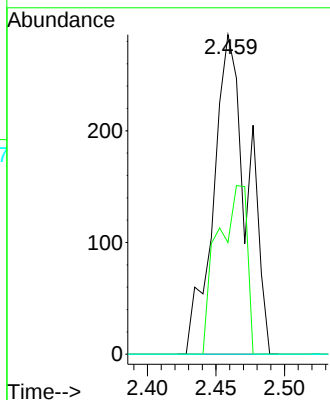
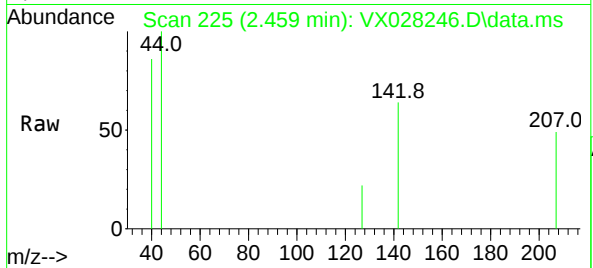




#10
Methyl Iodide
Concen: 5.339 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX028246.D
Acq: 21 Apr 2022 17:09

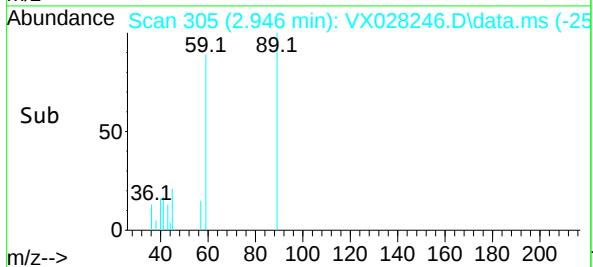
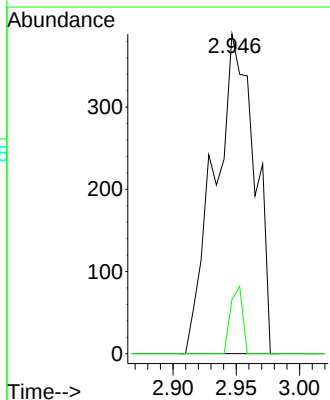
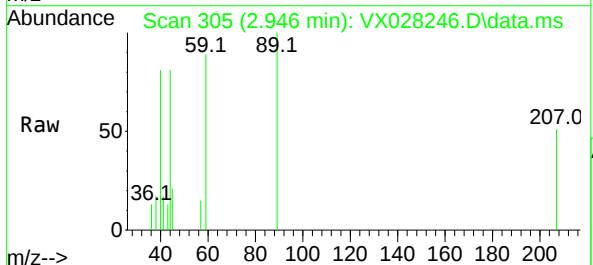
Instrument :
MSVOA_X
ClientSampleId :
31583

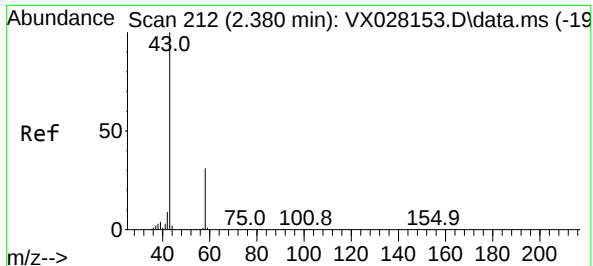
Tgt Ion:142 Resp: 494
Ion Ratio Lower Upper
142 100
127 45.3 33.9 50.9
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.946 min Scan# 305
Delta R.T. -0.019 min
Lab File: VX028246.D
Acq: 21 Apr 2022 17:09

Tgt Ion: 59 Resp: 857
Ion Ratio Lower Upper
59 100
57 6.3 8.3 12.5#

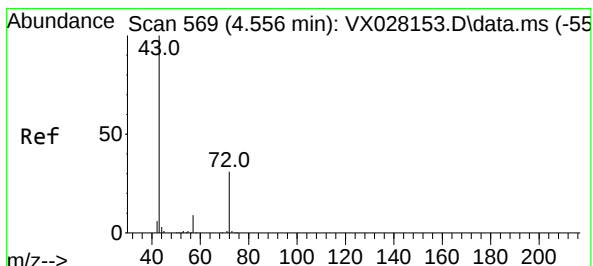
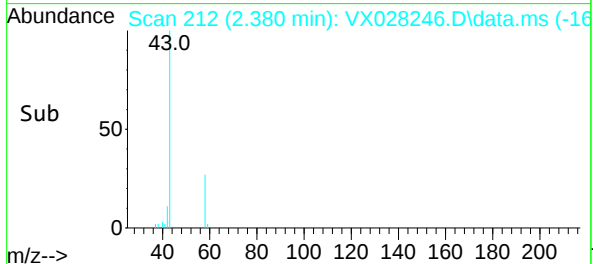
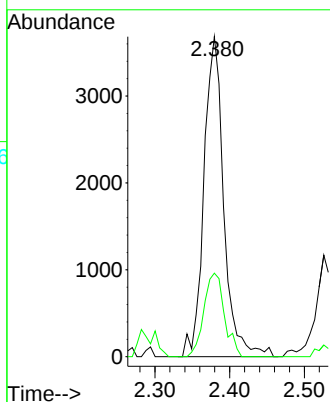
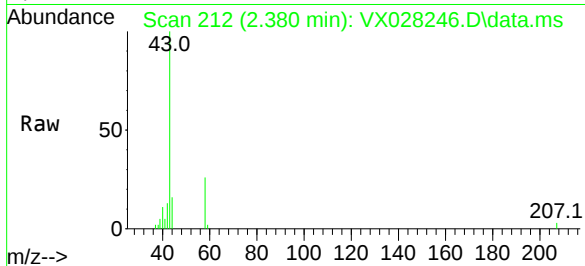




#16
Acetone
Concen: 3.083 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX028246.D
Acq: 21 Apr 2022 17:09

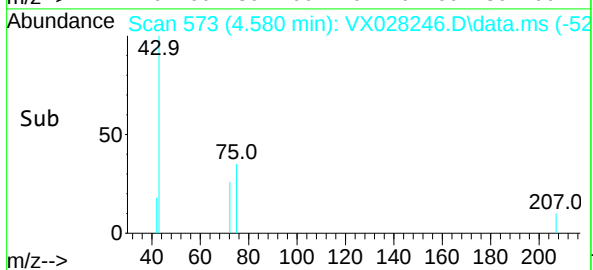
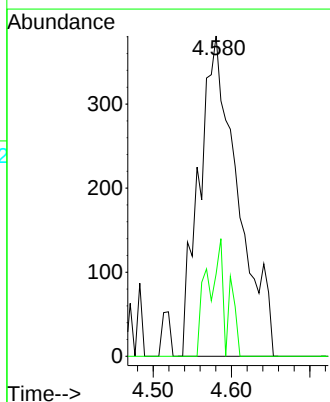
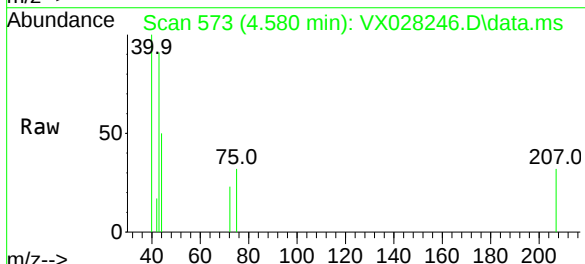
Instrument :
MSVOA_X
ClientSampleId :
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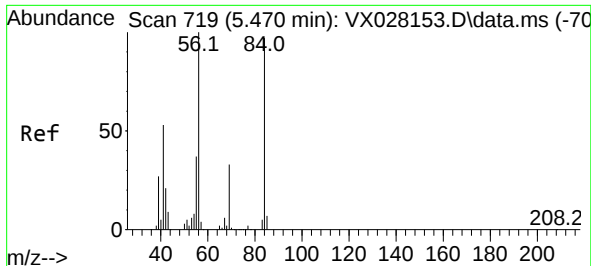
Tgt Ion: 43 Resp: 6796
Ion Ratio Lower Upper
43 100
58 26.1 28.8 43.2#



#25
2-Butanone
Concen: 0.441 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.024 min
Lab File: VX028246.D
Acq: 21 Apr 2022 17:09

Tgt Ion: 43 Resp: 1301
Ion Ratio Lower Upper
43 100
72 25.7 24.4 36.6

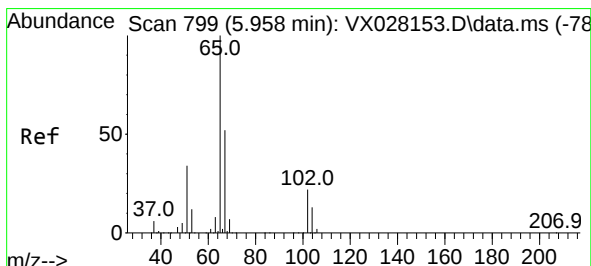
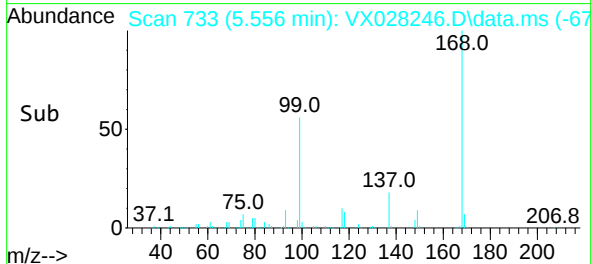
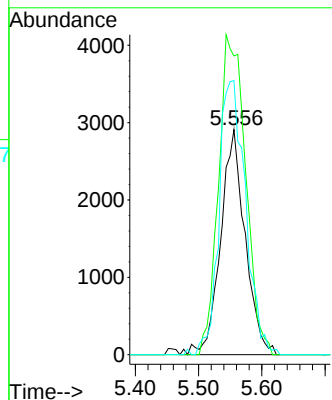
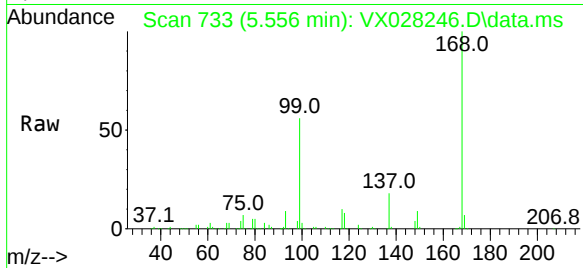




#31
Cyclohexane
Concen: 1.287 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX028246.D
Acq: 21 Apr 2022 17:09

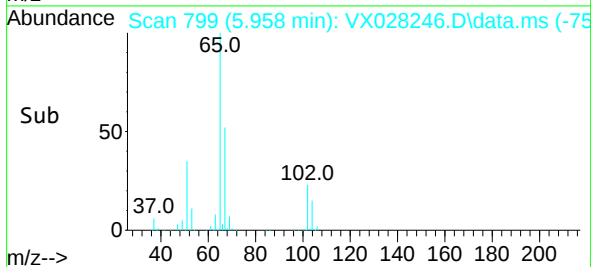
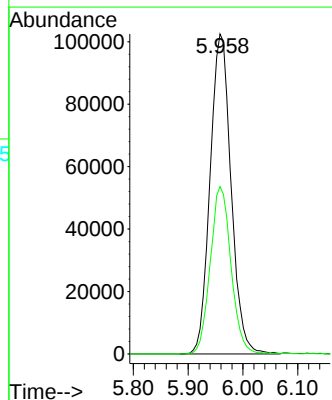
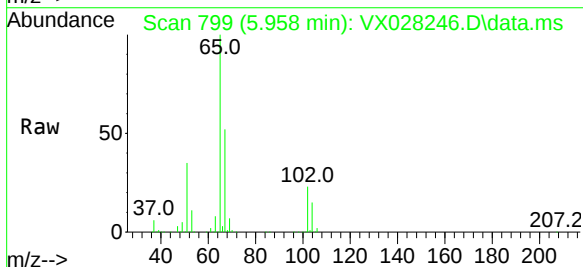
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ClientSampleId :
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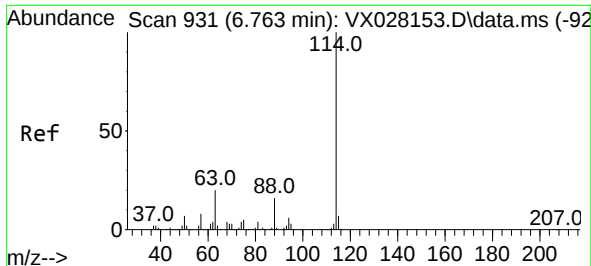
Tgt Ion: 56 Resp: 7821
Ion Ratio Lower Upper
56 100
69 132.7 26.7 40.1#
84 121.7 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 54.523 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028246.D
Acq: 21 Apr 2022 17:09

Tgt Ion: 65 Resp: 271874
Ion Ratio Lower Upper
65 100
67 51.8 0.0 107.4

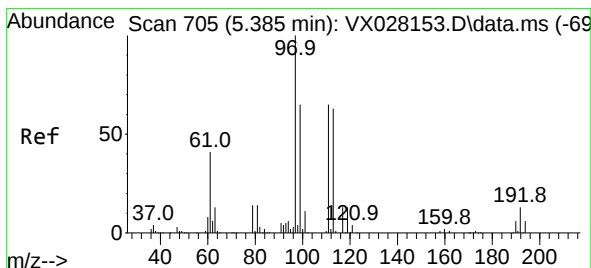
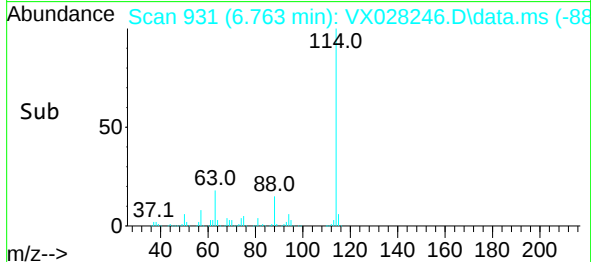
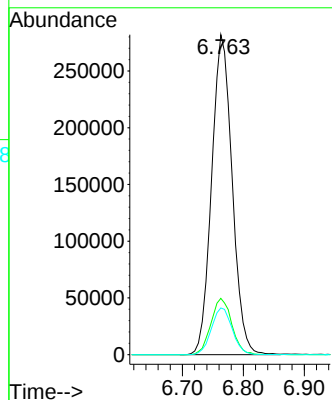
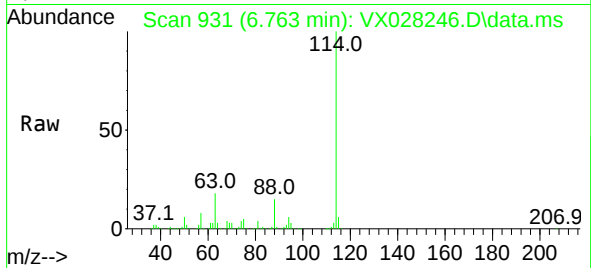




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028246.D
Acq: 21 Apr 2022 17:09

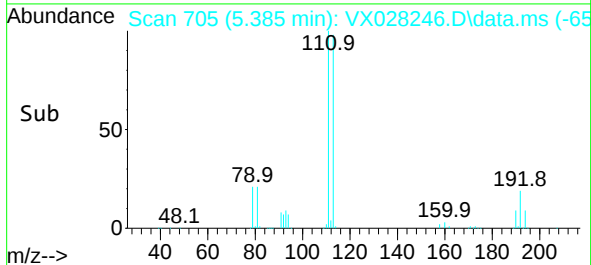
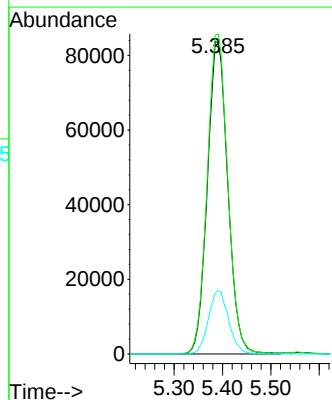
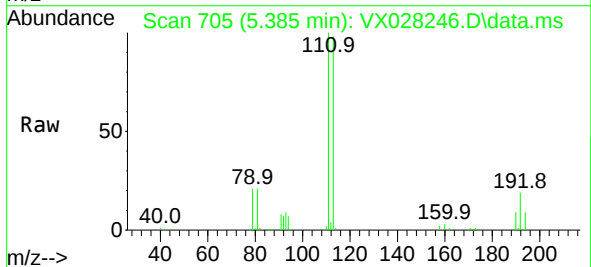
Instrument :
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ClientSampleId :
31583

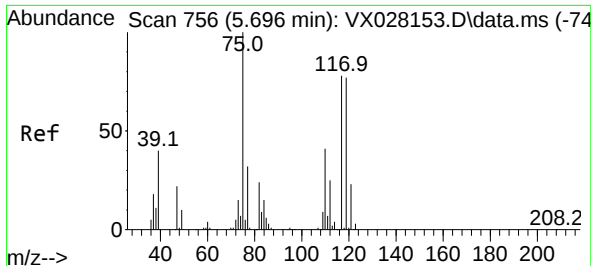
Tgt Ion:114 Resp: 660290
Ion Ratio Lower Upper
114 100
63 17.6 0.0 36.8
88 14.6 0.0 32.4



#35
Dibromofluoromethane
Concen: 53.156 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX028246.D
Acq: 21 Apr 2022 17:09

Tgt Ion:113 Resp: 246142
Ion Ratio Lower Upper
113 100
111 103.0 82.8 124.2
192 20.1 16.9 25.3

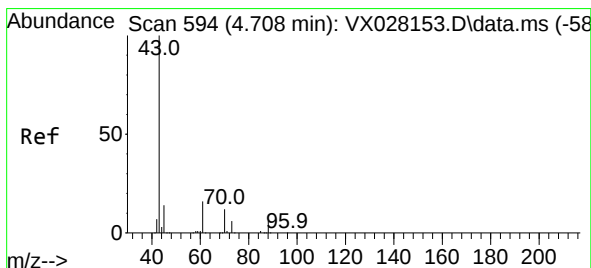
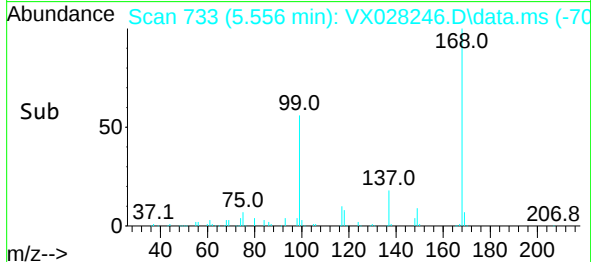
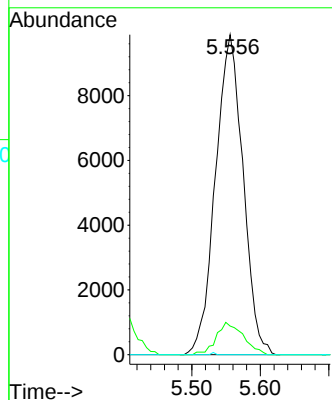
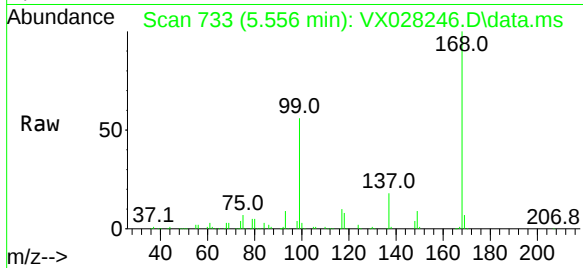




#36
1,1-Dichloropropene
Concen: 4.571 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX028246.D
Acq: 21 Apr 2022 17:09

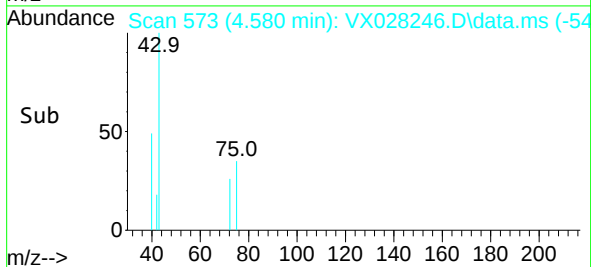
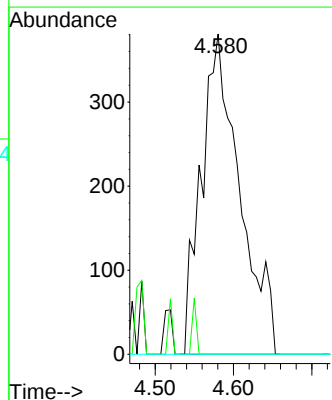
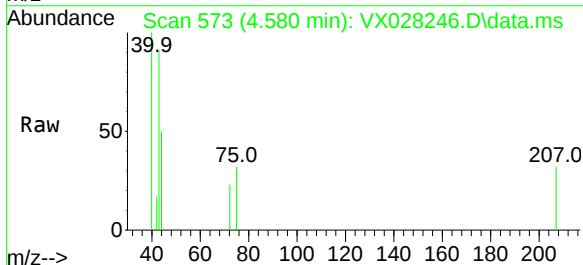
Instrument :
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ClientSampleId :
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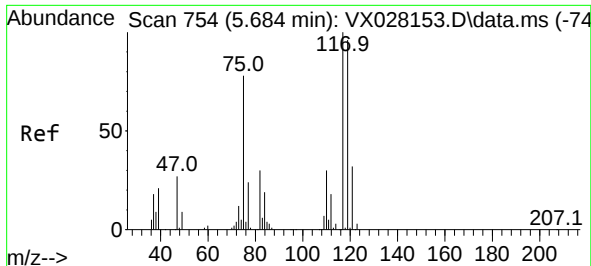
Tgt Ion: 75 Resp: 27610
Ion Ratio Lower Upper
75 100
110 9.9 18.3 54.8#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 0.212 ug/l
RT: 4.580 min Scan# 573
Delta R.T. -0.128 min
Lab File: VX028246.D
Acq: 21 Apr 2022 17:09

Tgt Ion: 43 Resp: 1301
Ion Ratio Lower Upper
43 100
61 0.0 12.6 19.0#
70 0.0 10.2 15.2#

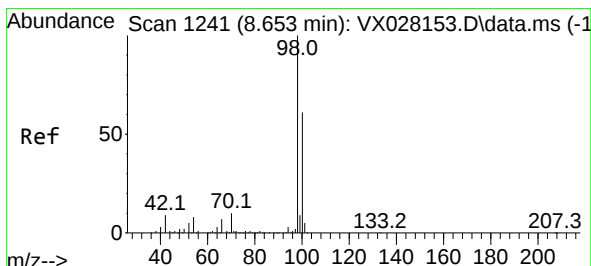
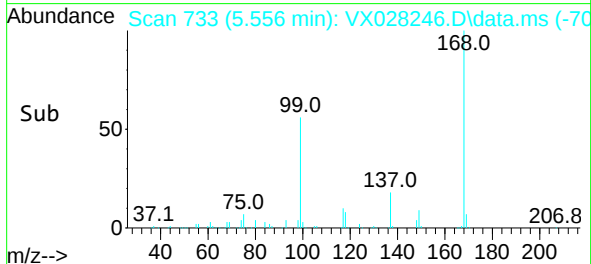
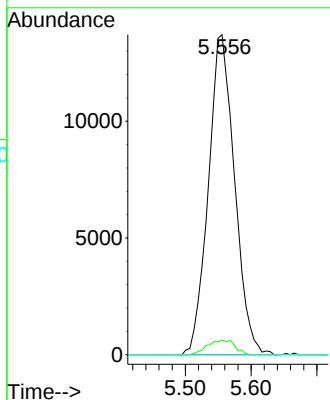
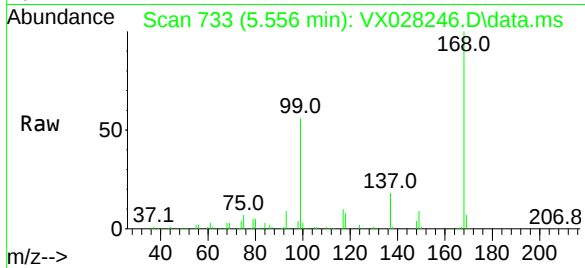




#38
Carbon Tetrachloride
Concen: 5.581 ug/l
RT: 5.556 min Scan# 715
Delta R.T. -0.128 min
Lab File: VX028246.D
Acq: 21 Apr 2022 17:09

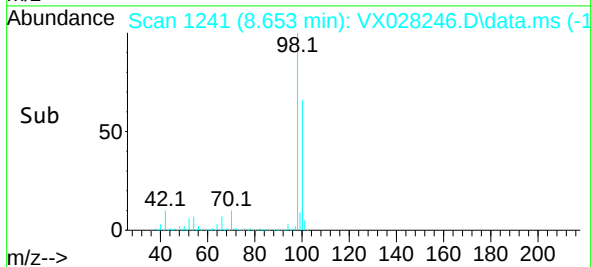
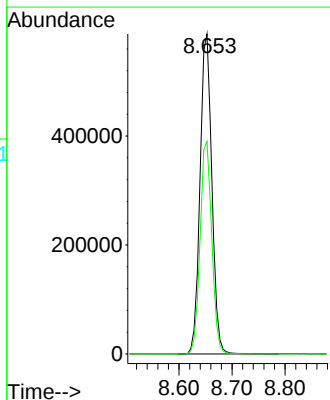
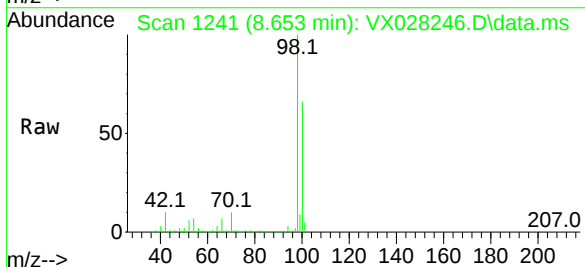
Instrument :
MSVOA_X
ClientSampleId :
31583

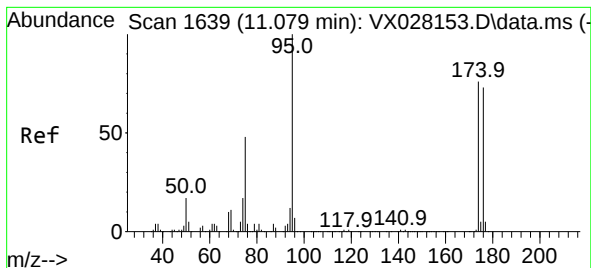
Tgt Ion:117 Resp: 38054
Ion Ratio Lower Upper
117 100
119 4.5 77.3 115.9#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 51.077 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX028246.D
Acq: 21 Apr 2022 17:09

Tgt Ion: 98 Resp: 908403
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8

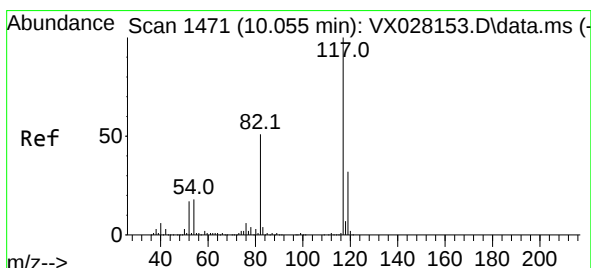
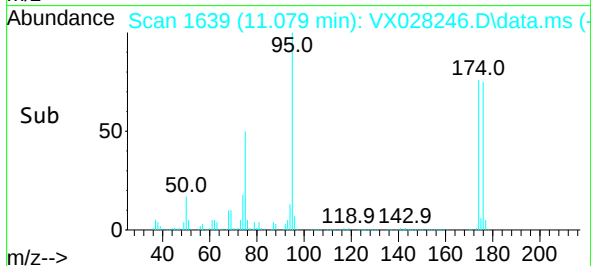
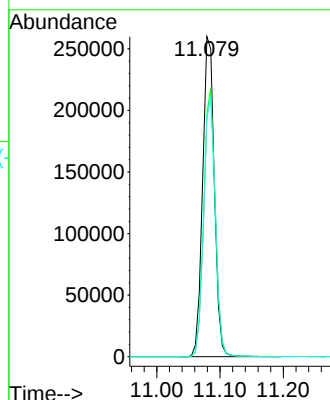
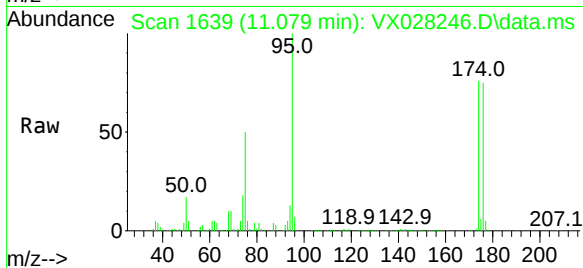




#62
4-Bromofluorobenzene
Concen: 49.307 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028246.D
Acq: 21 Apr 2022 17:09

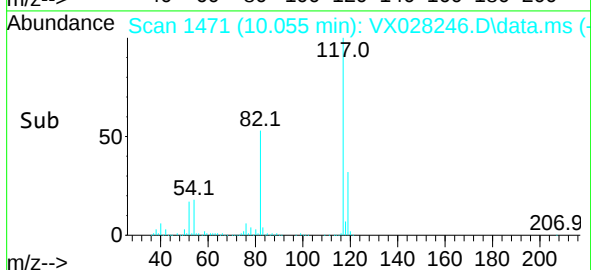
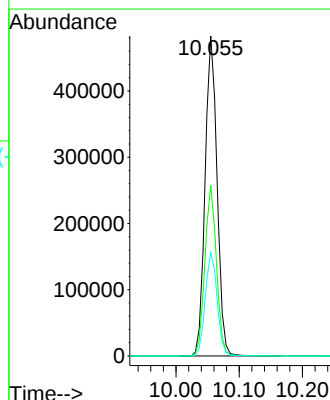
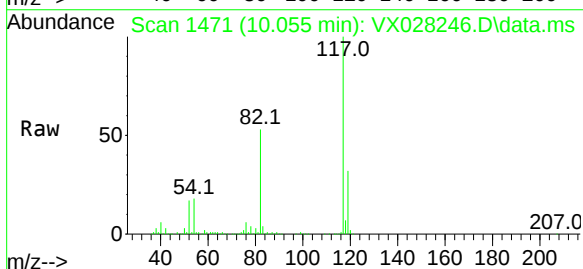
Instrument :
MSVOA_X
ClientSampleId :
31583

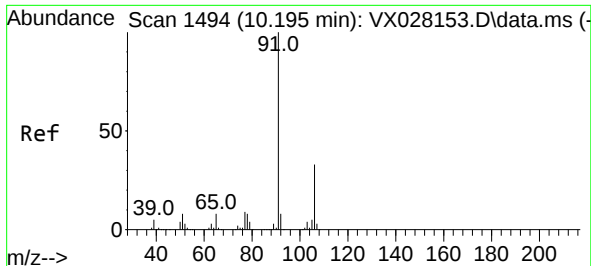
Tgt Ion: 95 Resp: 335299
Ion Ratio Lower Upper
95 100
174 82.8 0.0 163.0
176 81.1 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028246.D
Acq: 21 Apr 2022 17:09

Tgt Ion: 117 Resp: 636312
Ion Ratio Lower Upper
117 100
82 53.3 41.8 62.8
119 32.3 24.8 37.2





#67

Ethyl Benzene

Concen: 0.238 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX028246.D

Acq: 21 Apr 2022 17:09

Instrument :

MSVOA_X

ClientSampleId :

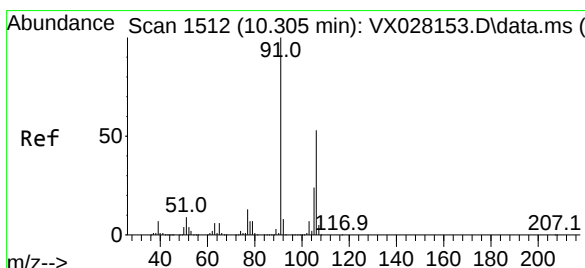
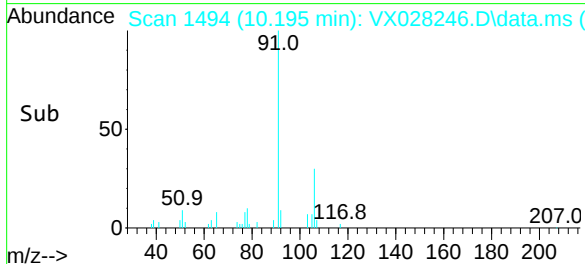
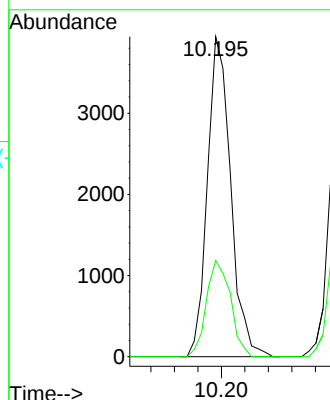
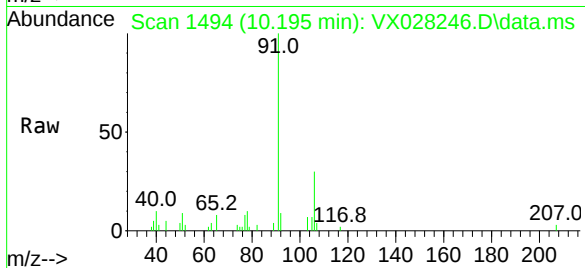
31583

Tgt Ion: 91 Resp: 5418

Ion Ratio Lower Upper

91 100

106 30.1 24.6 36.8



#68

m/p-Xylenes

Concen: 0.423 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. -0.000 min

Lab File: VX028246.D

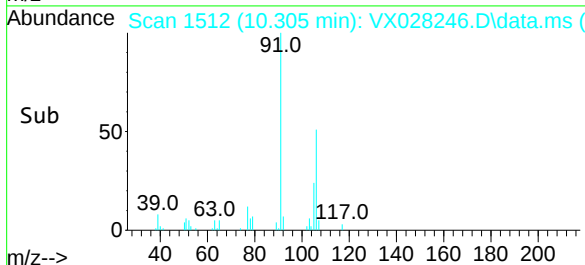
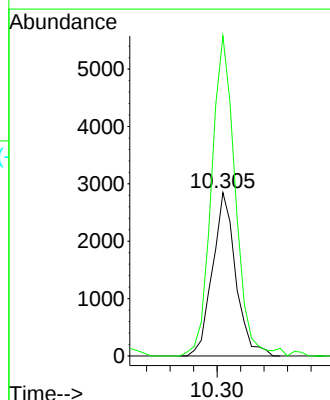
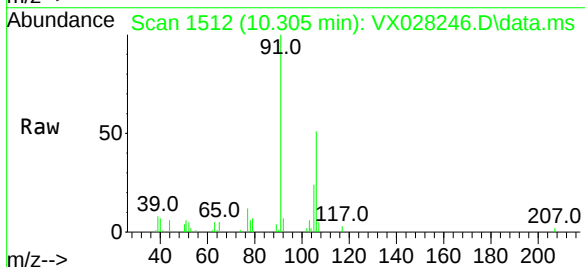
Acq: 21 Apr 2022 17:09

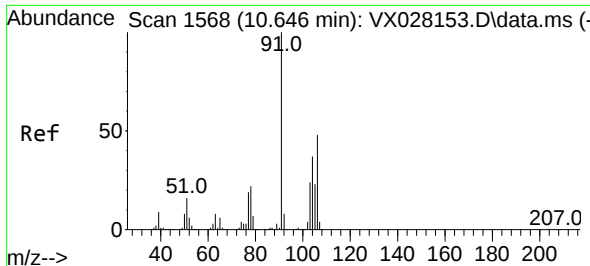
Tgt Ion: 106 Resp: 3913

Ion Ratio Lower Upper

106 100

91 201.7 160.4 240.6

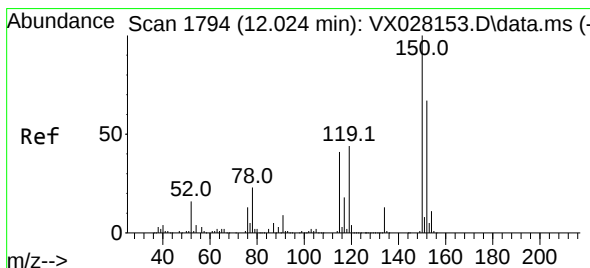
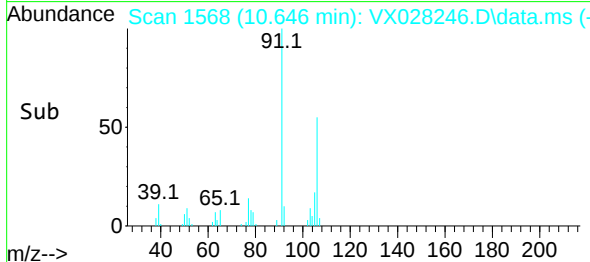
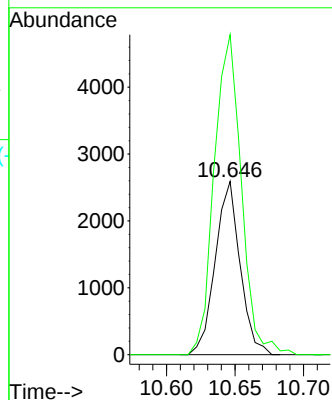
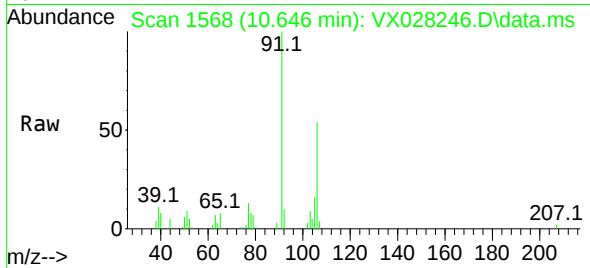




#69
o-Xylene
Concen: 0.354 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028246.D
Acq: 21 Apr 2022 17:09

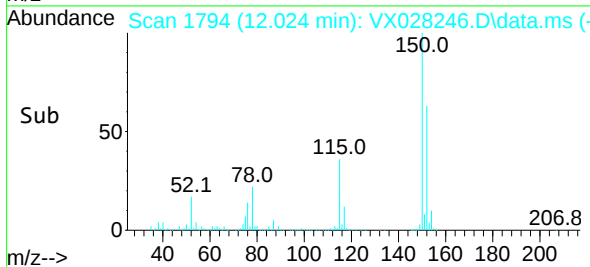
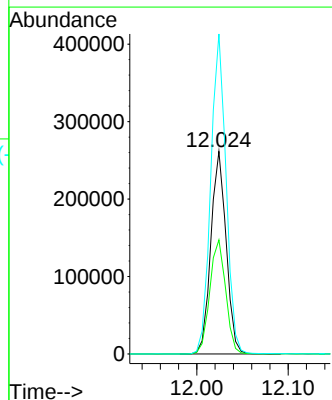
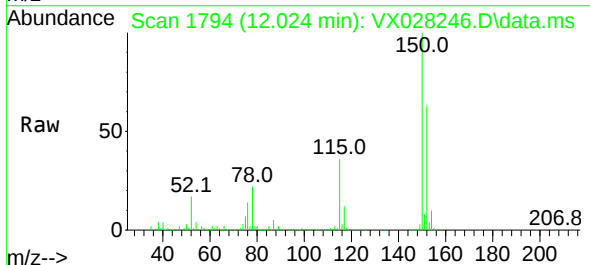
Instrument :
MSVOA_X
ClientSampleId :
31583

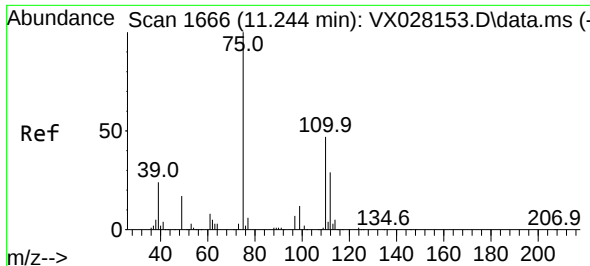
Tgt Ion:106 Resp: 3265
Ion Ratio Lower Upper
106 100
91 201.7 106.1 318.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028246.D
Acq: 21 Apr 2022 17:09

Tgt Ion:152 Resp: 303390
Ion Ratio Lower Upper
152 100
115 58.6 37.5 112.7
150 157.9 0.0 338.2

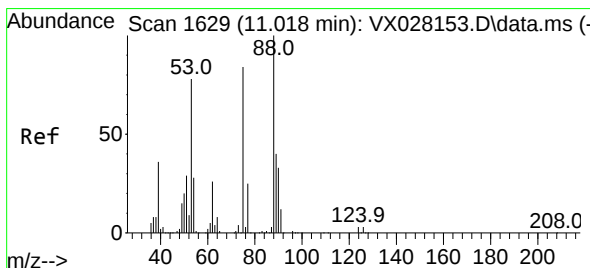
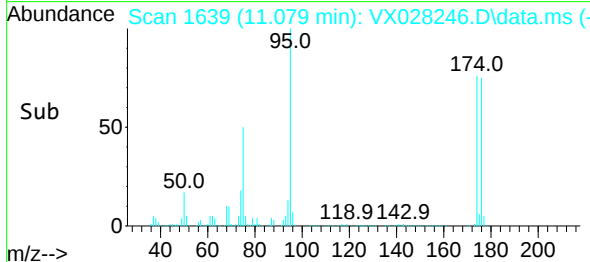
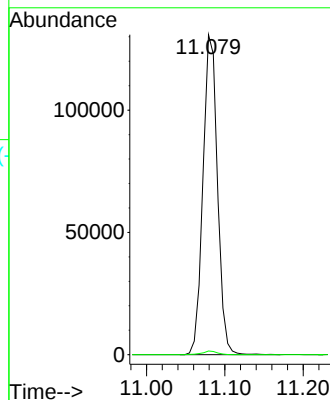
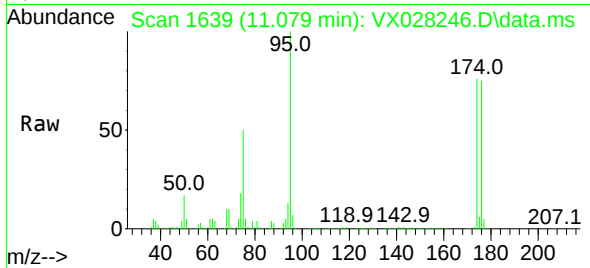




#76
1,2,3-Trichloropropane
Concen: 28.165 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028246.D
Acq: 21 Apr 2022 17:09

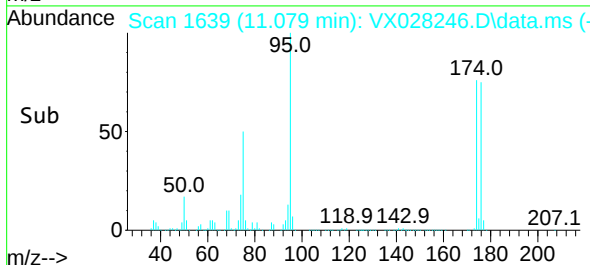
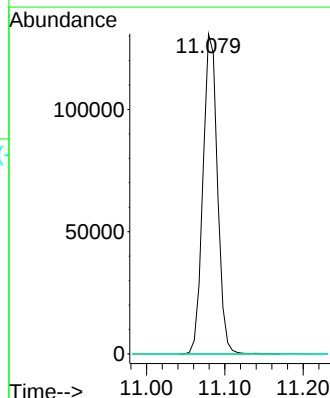
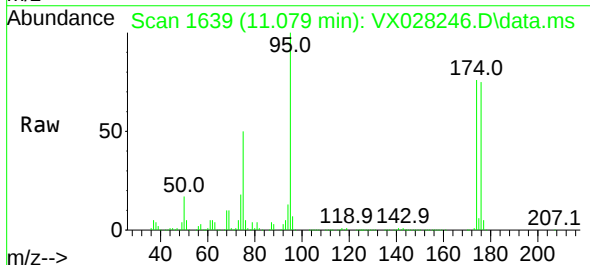
Instrument :
MSVOA_X
ClientSampleId :
31583

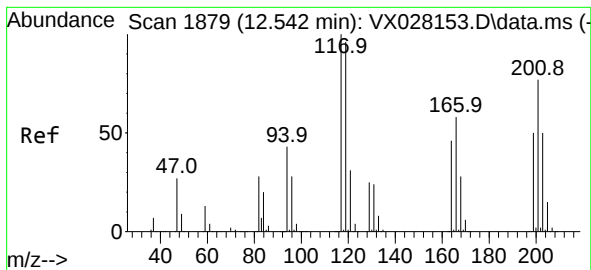
Tgt Ion: 75 Resp: 168170
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.699 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028246.D
Acq: 21 Apr 2022 17:09

Tgt Ion: 75 Resp: 168170
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#





#90

Hexachloroethane

Concen: 1.920 ug/l

RT: 12.615 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX028246.D

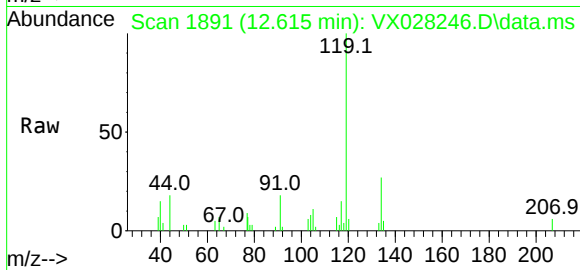
Acq: 21 Apr 2022 17:09

Instrument :

MSVOA_X

ClientSampleId :

31583



Tgt Ion:117 Resp: 372

Ion Ratio Lower Upper

117 100

201 0.0 39.5 118.5#

