

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012022\
 Data File : VX026533.D
 Acq On : 20 Jan 2022 18:12
 Operator : JC/MD
 Sample : N1099-09
 Misc : 5.77g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VACLOT-BACKFILL-TILCON-09

Quant Time: Jan 21 04:06:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011122W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 11 14:45:13 2022
 Response via : Initial Calibration

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

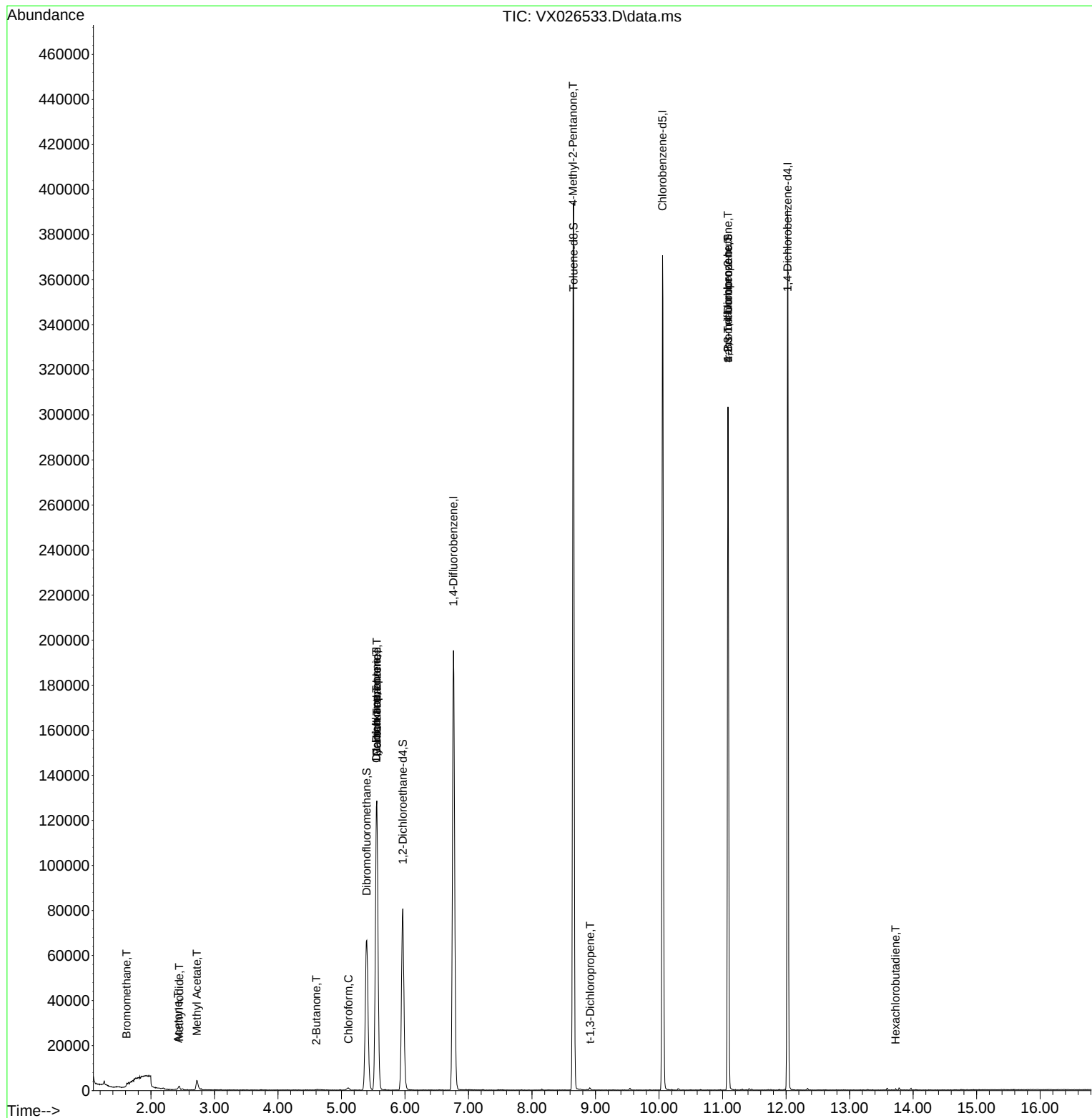
Internal Standards						
1) Pentafluorobenzene	5.556	168	121104	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	203707	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	181514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	82461	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	80236	47.428	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.860%
35) Dibromofluoromethane	5.397	113	62466	47.485	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.980%
50) Toluene-d8	8.653	98	236689	49.930	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.860%
62) 4-Bromofluorobenzene	11.085	95	88814	52.741	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	105.480%
Target Compounds						
					Qvalue	
5) Bromomethane	1.617	94	365	0.575	ug/l	86
10) Methyl Iodide	2.447	142	1221	5.226	ug/l #	92
16) Acetone	2.428	43	725	0.840	ug/l #	46
18) Methyl Acetate	2.721	43	6783	3.955	ug/l	100
25) 2-Butanone	4.605	43	312	0.278	ug/l #	50
30) Chloroform	5.111	83	1305	0.492	ug/l	95
31) Cyclohexane	5.550	56	2532	1.015	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	9703	4.672	ug/l #	50
38) Carbon Tetrachloride	5.556	117	12786	5.986	ug/l #	17
51) 4-Methyl-2-Pentanone	8.647	43	1234	0.613	ug/l #	1
53) t-1,3-Dichloropropene	8.915	75	439	2.072	ug/l #	43
76) 1,2,3-Trichloropropane	11.085	75	44468	24.492	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.085	75	44468	74.547	ug/l #	3
94) Hexachlorobutadiene	13.725	225	159	0.214	ug/l	87

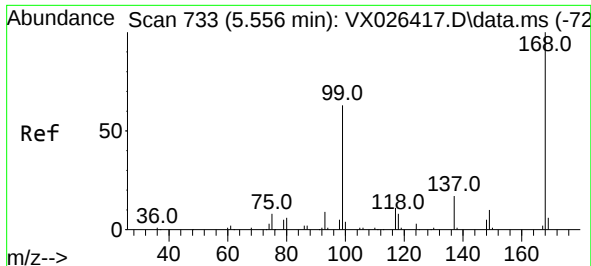
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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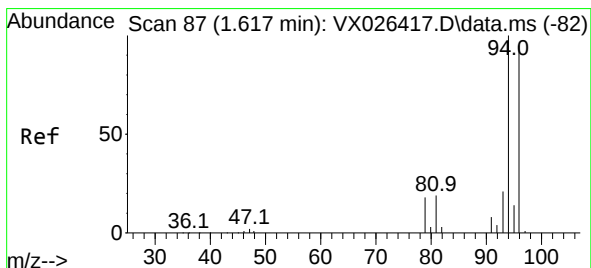
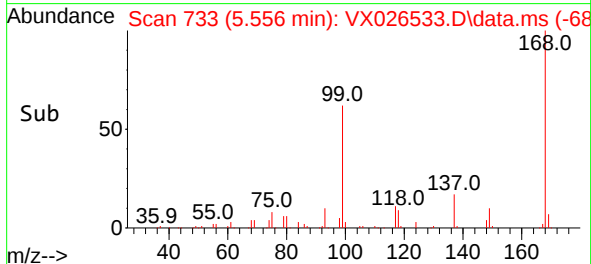
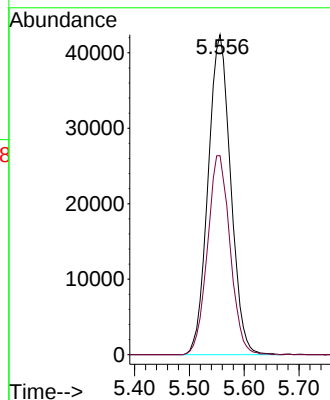
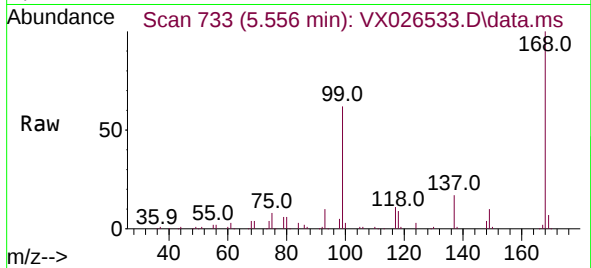




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX026533.D
Acq: 20 Jan 2022 18:12

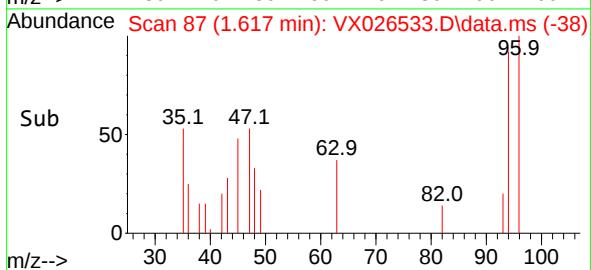
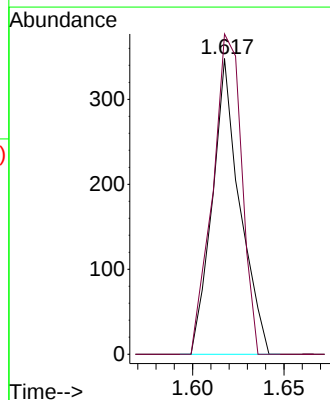
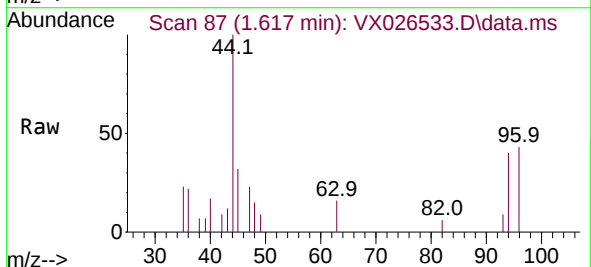
Instrument :
MSVOA_X
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VACLOT-BACKFILL-TILCON-09

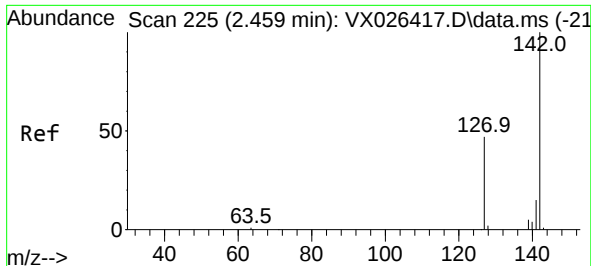
Tgt Ion:168 Resp: 121104
Ion Ratio Lower Upper
168 100
99 62.2 50.3 75.5



#5
Bromomethane
Concen: 0.575 ug/l
RT: 1.617 min Scan# 87
Delta R.T. -0.000 min
Lab File: VX026533.D
Acq: 20 Jan 2022 18:12

Tgt Ion: 94 Resp: 365
Ion Ratio Lower Upper
94 100
96 108.3 75.9 113.9

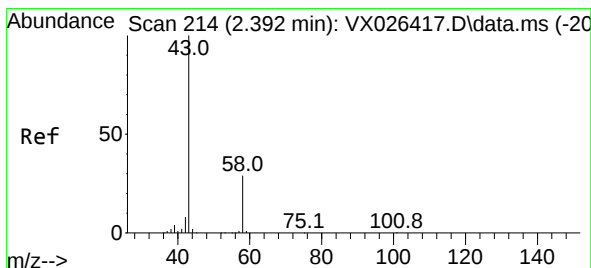
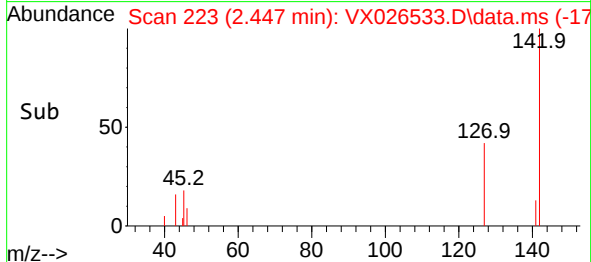
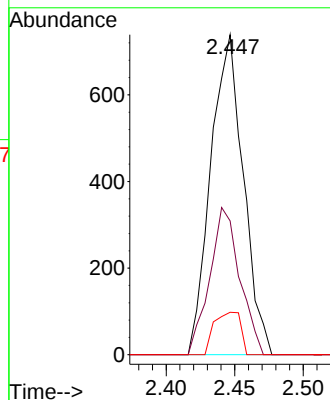
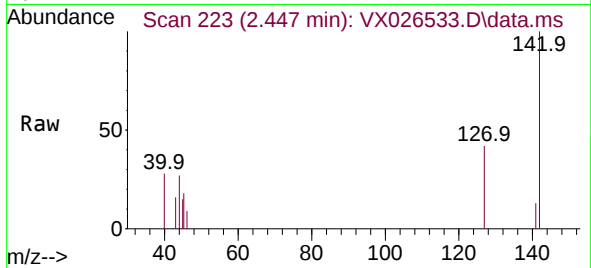




#10
Methyl Iodide
Concen: 5.226 ug/l
RT: 2.447 min Scan# 21
Delta R.T. -0.012 min
Lab File: VX026533.D
Acq: 20 Jan 2022 18:12

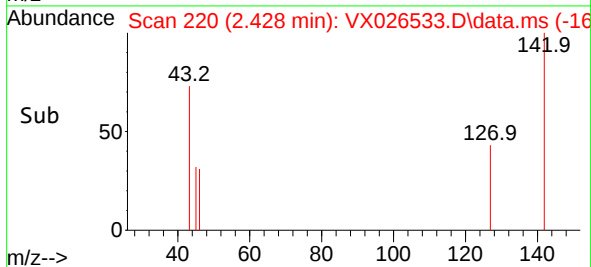
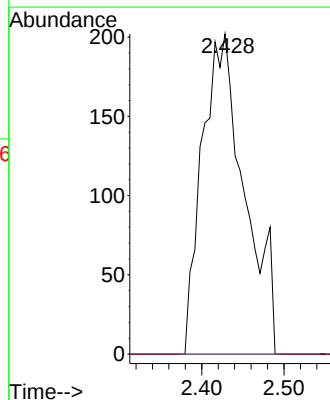
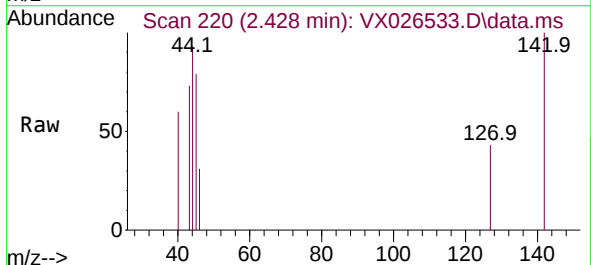
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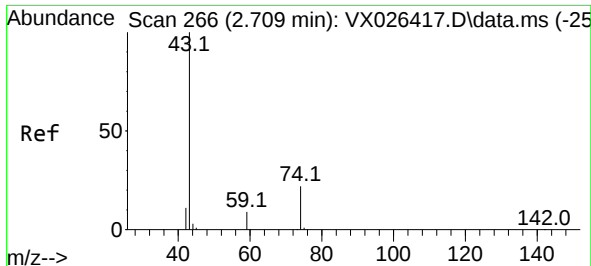
Tgt Ion:142 Resp: 1221
Ion Ratio Lower Upper
142 100
127 42.5 38.1 57.1
141 10.7 11.2 16.8#



#16
Acetone
Concen: 0.840 ug/l
RT: 2.428 min Scan# 220
Delta R.T. 0.037 min
Lab File: VX026533.D
Acq: 20 Jan 2022 18:12

Tgt Ion: 43 Resp: 725
Ion Ratio Lower Upper
43 100
58 0.0 23.0 34.6#





#18

Methyl Acetate

Concen: 3.955 ug/l

RT: 2.721 min Scan# 2

Delta R.T. 0.012 min

Lab File: VX026533.D

Acq: 20 Jan 2022 18:12

Instrument :

MSVOA_X

ClientSampleId :

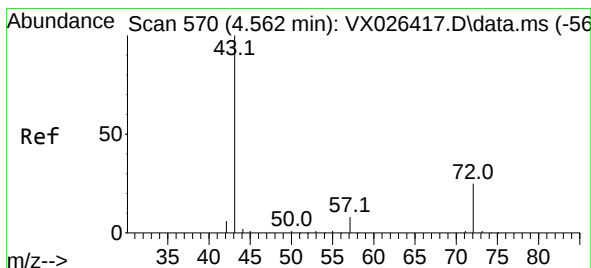
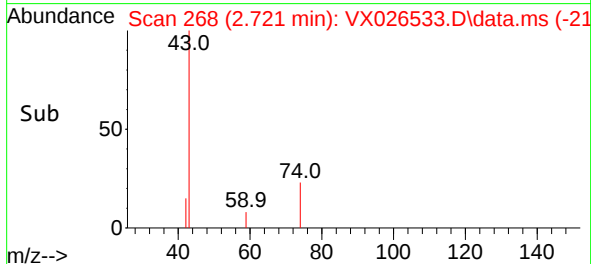
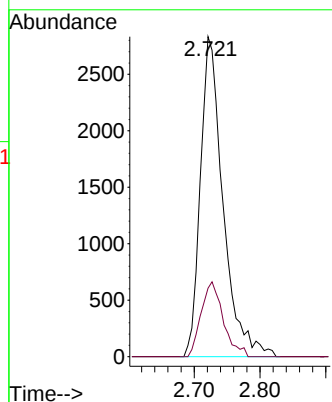
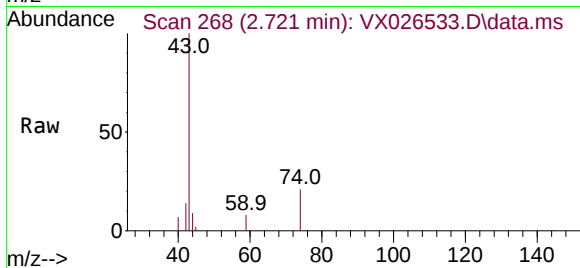
VACLOT-BACKFILL-TILCON-09

Tgt Ion: 43 Resp: 6783

Ion Ratio Lower Upper

43 100

74 22.8 18.3 27.5



#25

2-Butanone

Concen: 0.278 ug/l

RT: 4.605 min Scan# 577

Delta R.T. 0.043 min

Lab File: VX026533.D

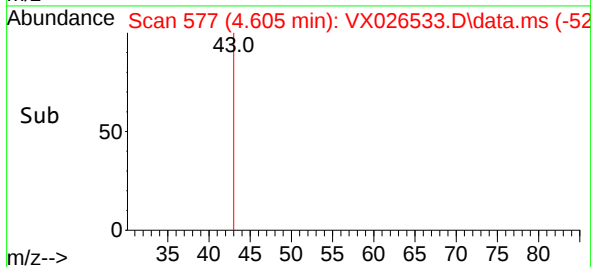
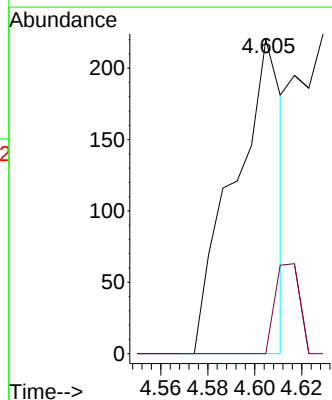
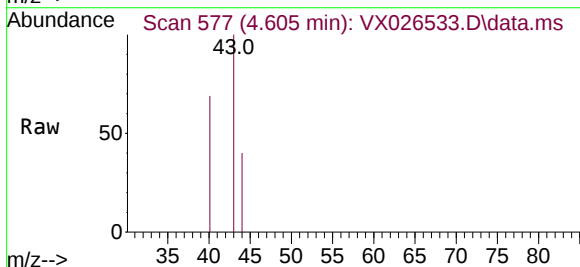
Acq: 20 Jan 2022 18:12

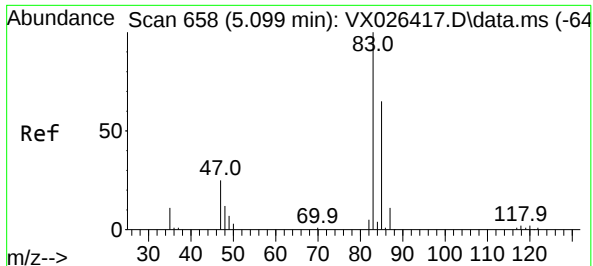
Tgt Ion: 43 Resp: 312

Ion Ratio Lower Upper

43 100

72 0.0 20.4 30.6#





#30

Chloroform

Concen: 0.492 ug/l

RT: 5.111 min Scan# 60

Delta R.T. 0.012 min

Lab File: VX026533.D

Acq: 20 Jan 2022 18:12

Instrument :

MSVOA_X

ClientSampleId :

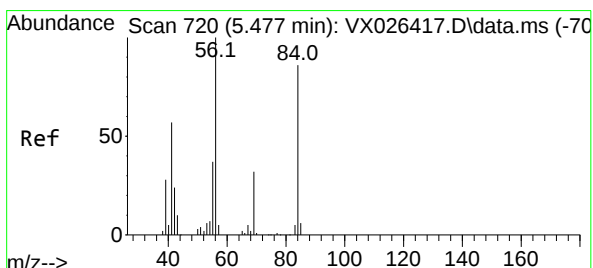
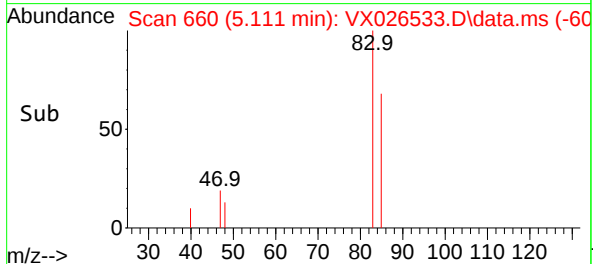
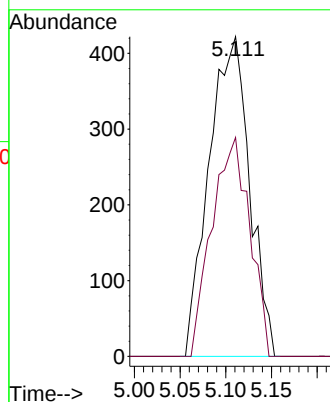
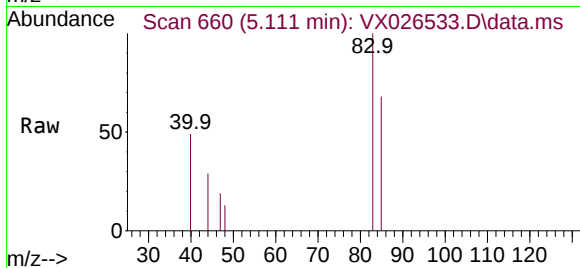
VACLOT-BACKFILL-TILCON-09

Tgt Ion: 83 Resp: 1305

Ion Ratio Lower Upper

83 100

85 68.5 51.6 77.4



#31

Cyclohexane

Concen: 1.015 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.073 min

Lab File: VX026533.D

Acq: 20 Jan 2022 18:12

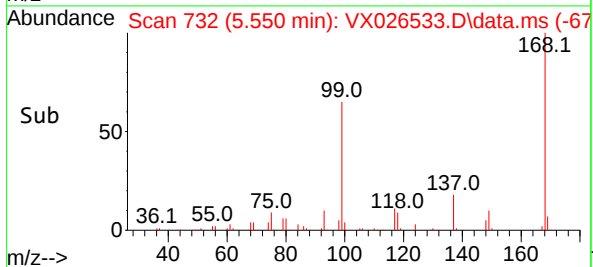
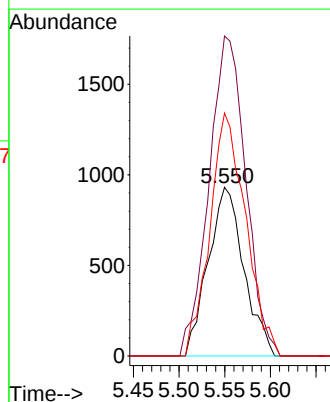
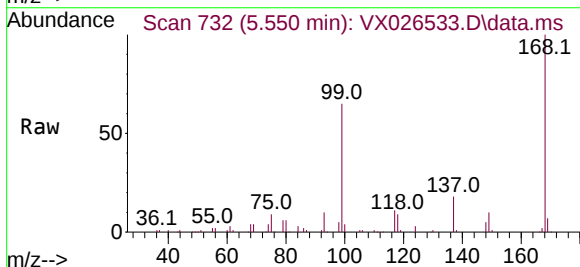
Tgt Ion: 56 Resp: 2532

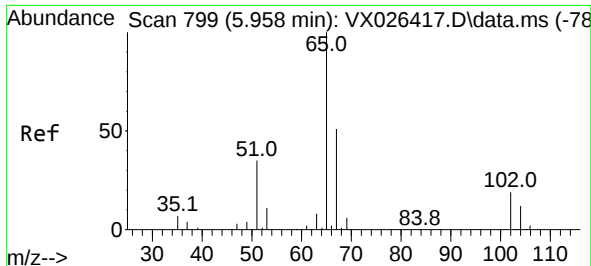
Ion Ratio Lower Upper

56 100

69 189.8 25.8 38.6#

84 144.0 68.9 103.3#

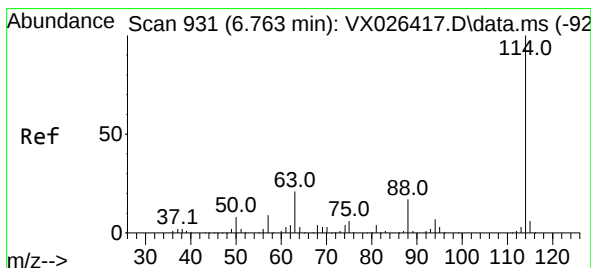
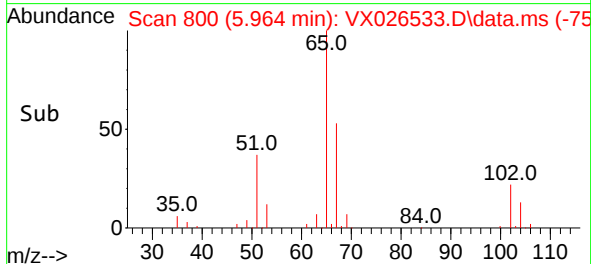
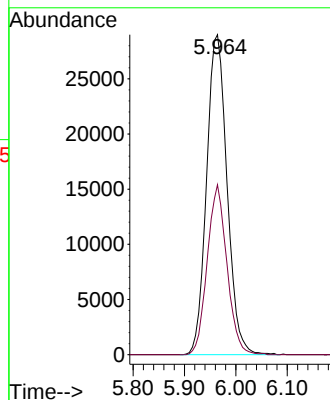
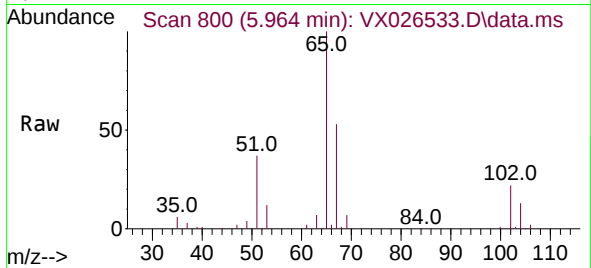




#33
 1,2-Dichloroethane-d4
 Concen: 47.428 ug/l
 RT: 5.964 min Scan# 80
 Delta R.T. 0.006 min
 Lab File: VX026533.D
 Acq: 20 Jan 2022 18:12

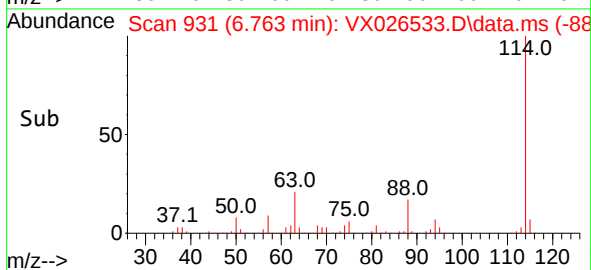
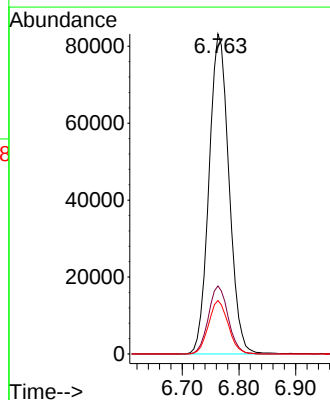
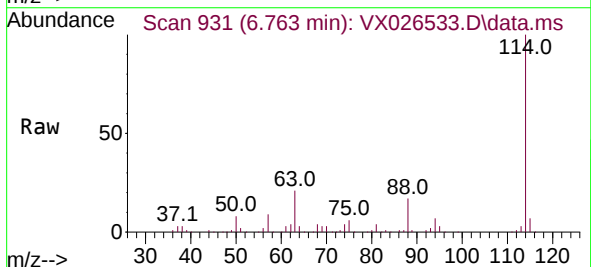
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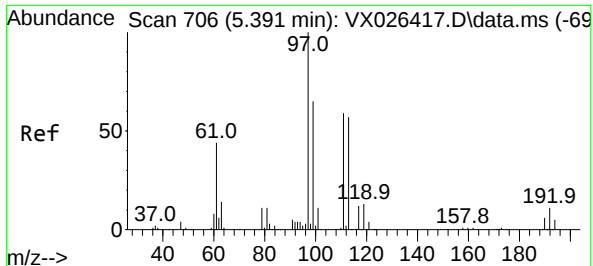
Tgt Ion: 65 Resp: 80236
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX026533.D
 Acq: 20 Jan 2022 18:12

Tgt Ion: 114 Resp: 203707
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 42.8
 88 16.7 0.0 33.0





#35

Dibromofluoromethane

Concen: 47.485 ug/l

RT: 5.397 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX026533.D

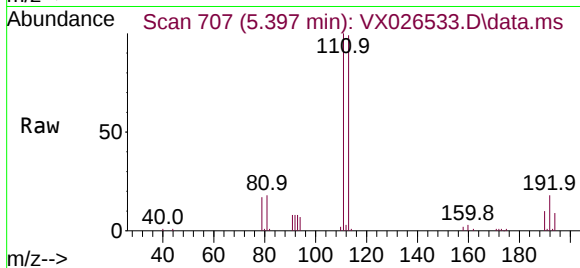
Acq: 20 Jan 2022 18:12

Instrument :

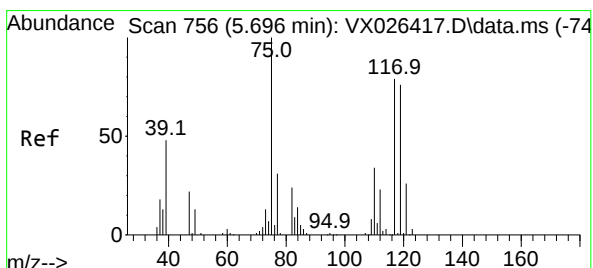
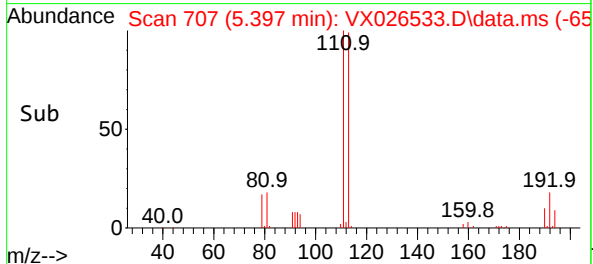
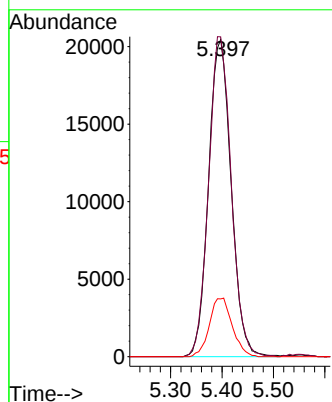
MSVOA_X

ClientSampleId :

VACLOT-BACKFILL-TILCON-09



Tgt Ion:	113	Resp:	62466
Ion	Ratio	Lower	Upper
113	100		
111	100.9	81.2	121.8
192	18.6	15.0	22.4



#36

1,1-Dichloropropene

Concen: 4.672 ug/l

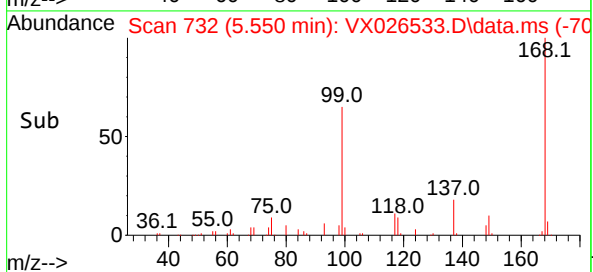
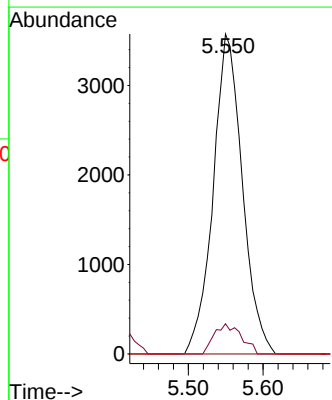
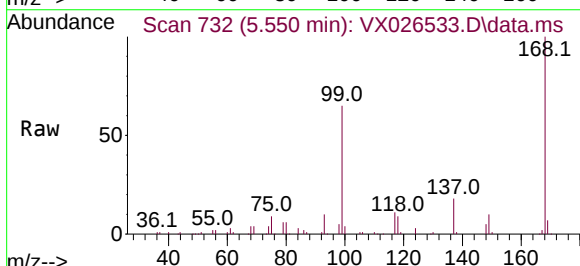
RT: 5.550 min Scan# 732

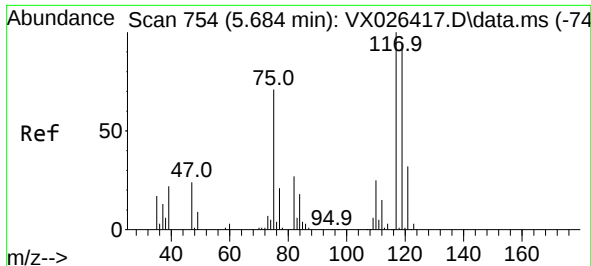
Delta R.T. -0.146 min

Lab File: VX026533.D

Acq: 20 Jan 2022 18:12

Tgt Ion:	75	Resp:	9703
Ion	Ratio	Lower	Upper
75	100		
110	8.7	17.2	51.6#
77	0.0	24.6	36.8#

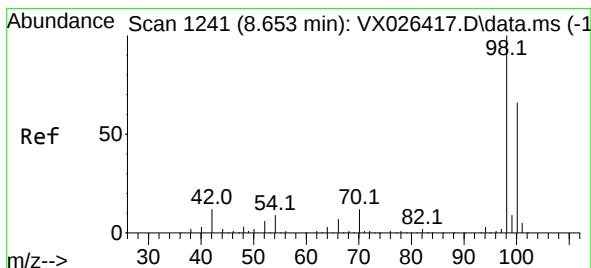
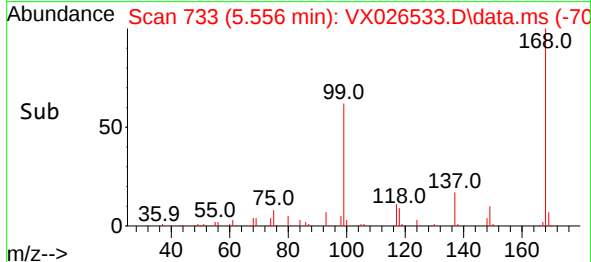
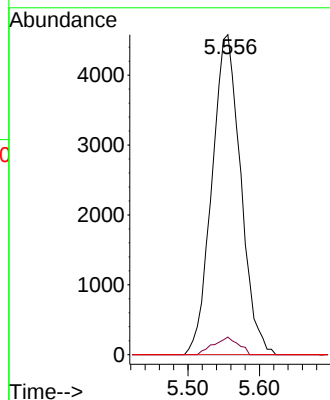
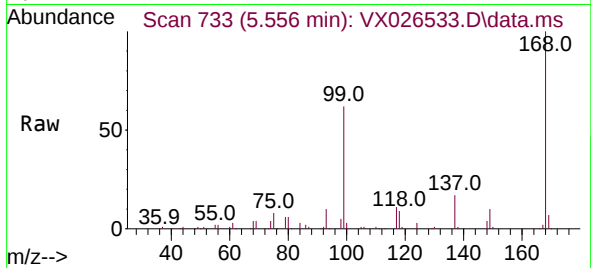




#38
Carbon Tetrachloride
Concen: 5.986 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX026533.D
Acq: 20 Jan 2022 18:12

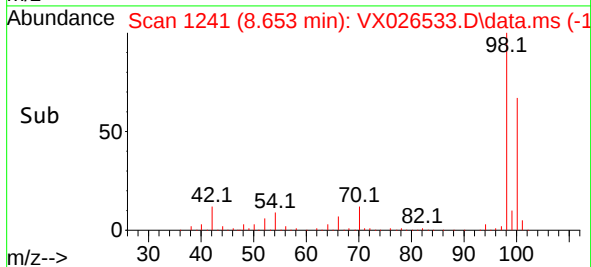
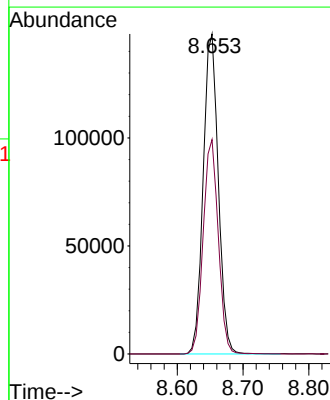
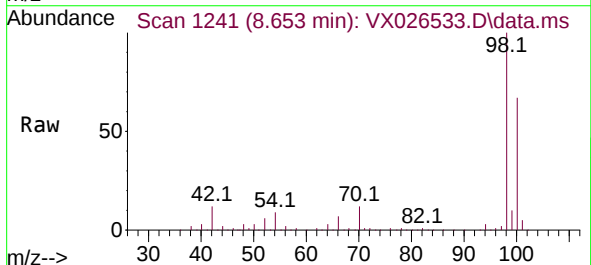
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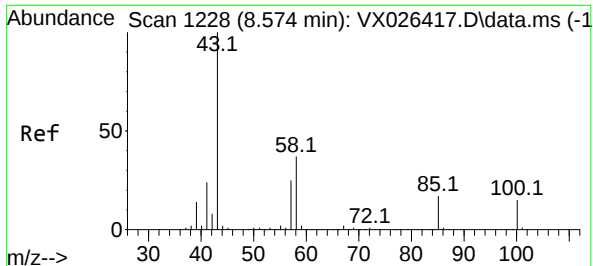
Tgt Ion:117 Resp: 12786
Ion Ratio Lower Upper
117 100
119 5.5 74.7 112.1#
121 0.0 25.4 38.0#



#50
Toluene-d8
Concen: 49.930 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX026533.D
Acq: 20 Jan 2022 18:12

Tgt Ion: 98 Resp: 236689
Ion Ratio Lower Upper
98 100
100 66.8 53.2 79.8

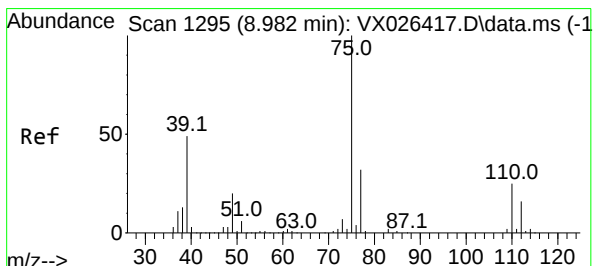
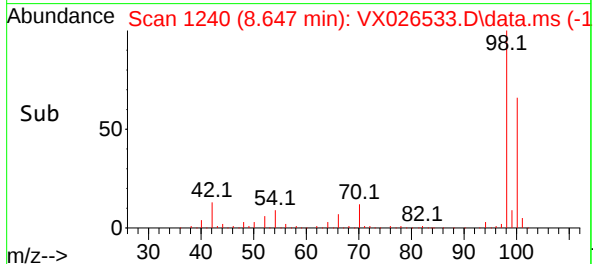
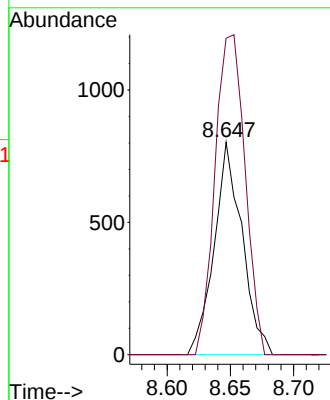
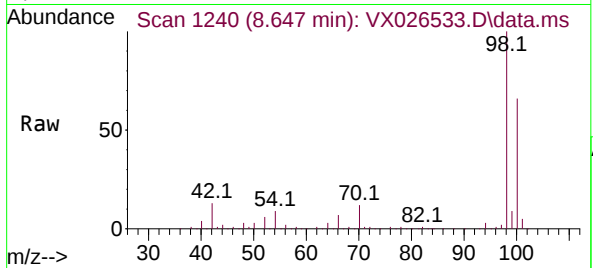




#51
4-Methyl-2-Pentanone
Concen: 0.613 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX026533.D
Acq: 20 Jan 2022 18:12

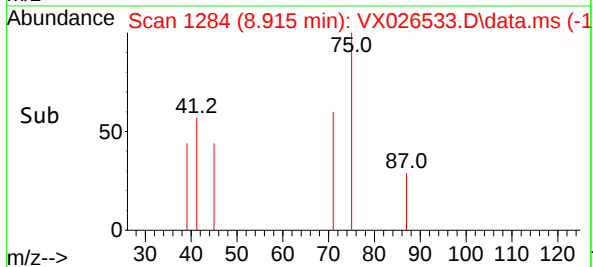
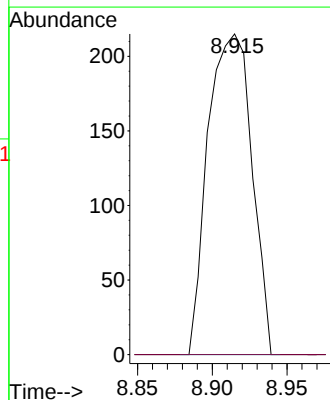
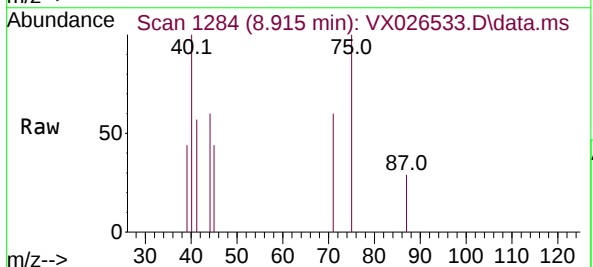
Instrument :
MSVOA_X
ClientSampleId :
VACLOT-BACKFILL-TILCON-09

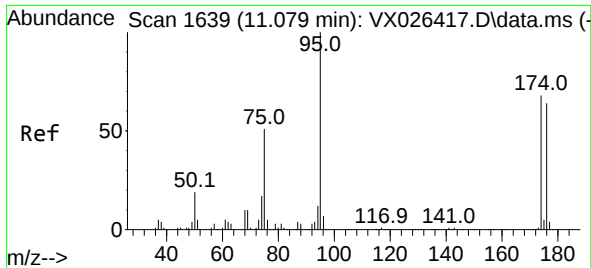
Tgt Ion: 43 Resp: 1234
Ion Ratio Lower Upper
43 100
58 161.6 30.5 45.7#



#53
t-1,3-Dichloropropene
Concen: 2.072 ug/l
RT: 8.915 min Scan# 1284
Delta R.T. -0.067 min
Lab File: VX026533.D
Acq: 20 Jan 2022 18:12

Tgt Ion: 75 Resp: 439
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

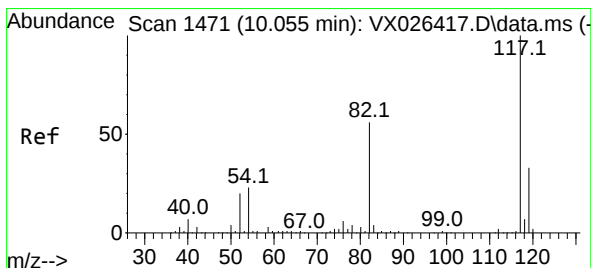
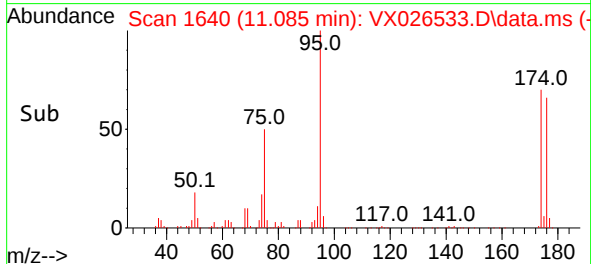
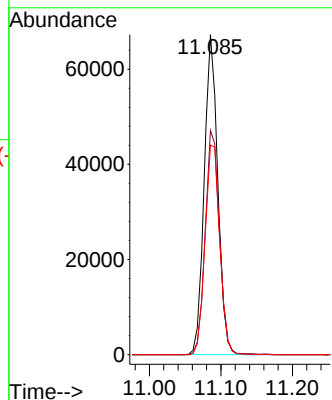
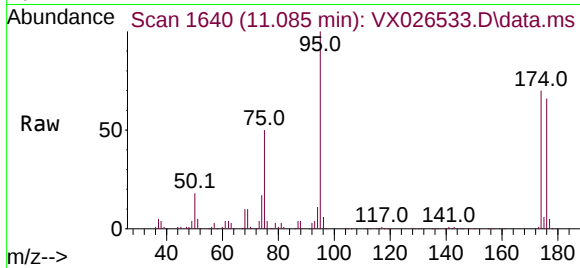




#62
4-Bromofluorobenzene
Concen: 52.741 ug/l
RT: 11.085 min Scan# 1639
Delta R.T. 0.006 min
Lab File: VX026533.D
Acq: 20 Jan 2022 18:12

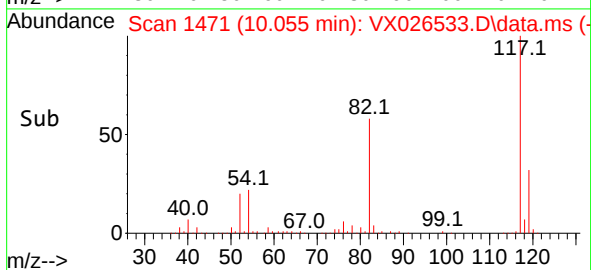
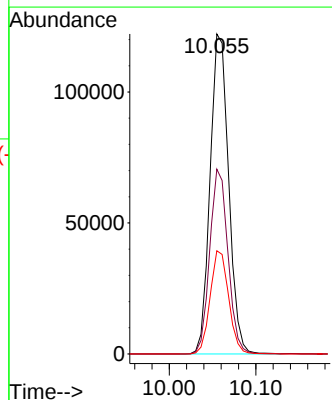
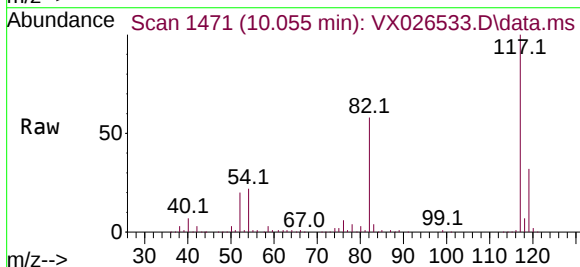
Instrument :
MSVOA_X
ClientSampleId :
VACLOT-BACKFILL-TILCON-09

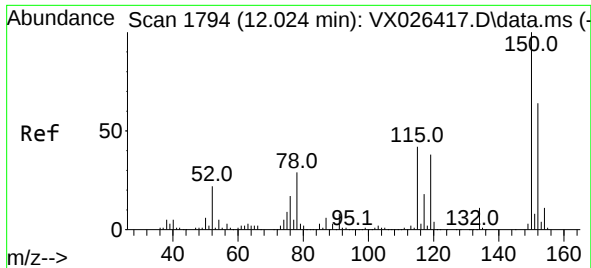
Tgt Ion: 95 Resp: 88814
Ion Ratio Lower Upper
95 100
174 73.2 0.0 148.6
176 70.8 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX026533.D
Acq: 20 Jan 2022 18:12

Tgt Ion: 117 Resp: 181514
Ion Ratio Lower Upper
117 100
82 57.8 45.2 67.8
119 32.3 26.2 39.2

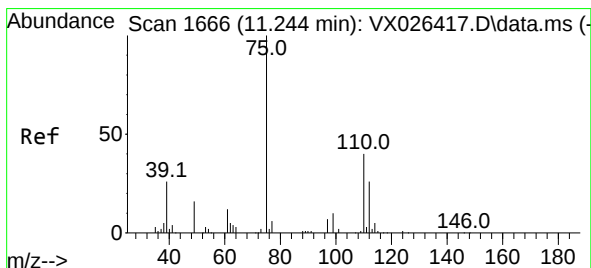
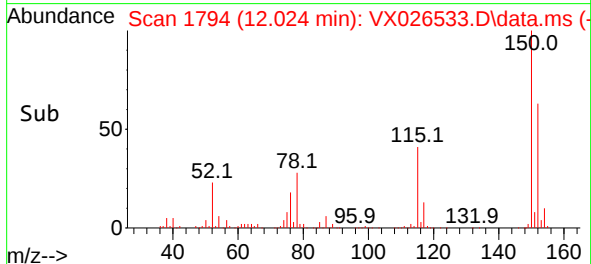
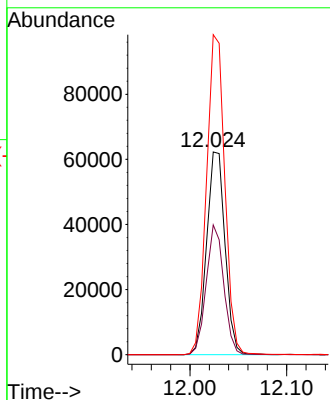
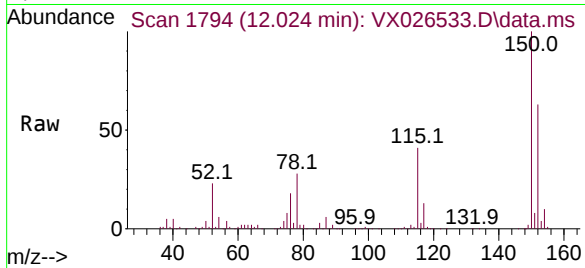




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX026533.D
 Acq: 20 Jan 2022 18:12

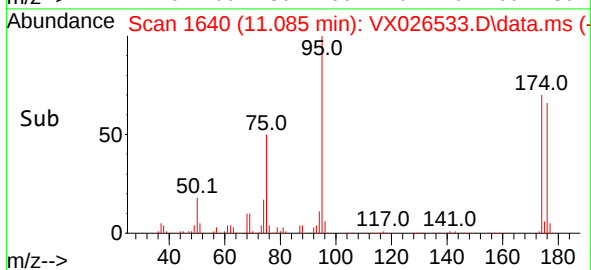
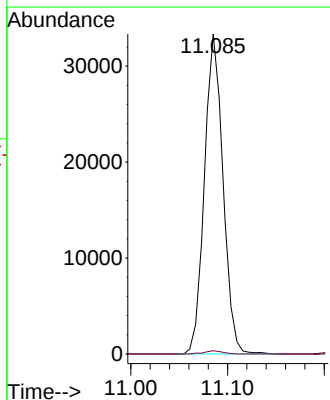
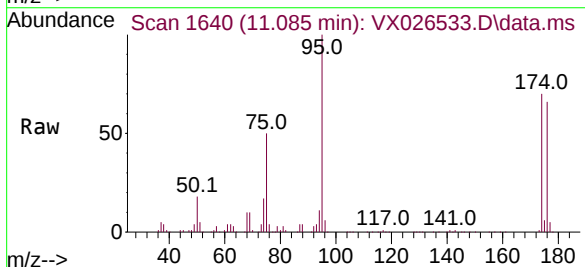
Instrument :
 MSVOA_X
 ClientSampleId :
 VACLOT-BACKFILL-TILCON-09

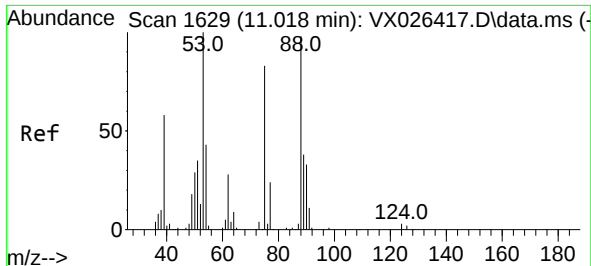
Tgt Ion:152 Resp: 82461
 Ion Ratio Lower Upper
 152 100
 115 61.1 44.2 132.6
 150 156.6 0.0 348.2



#76
 1,2,3-Trichloropropane
 Concen: 24.492 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX026533.D
 Acq: 20 Jan 2022 18:12

Tgt Ion: 75 Resp: 44468
 Ion Ratio Lower Upper
 75 100
 77 1.0 18.3 54.8#

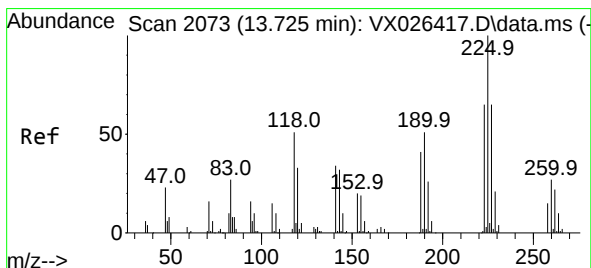
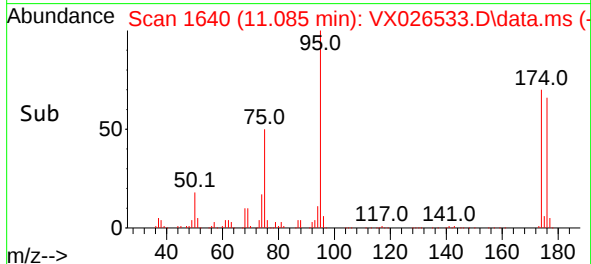
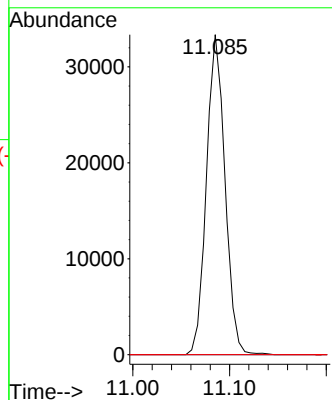
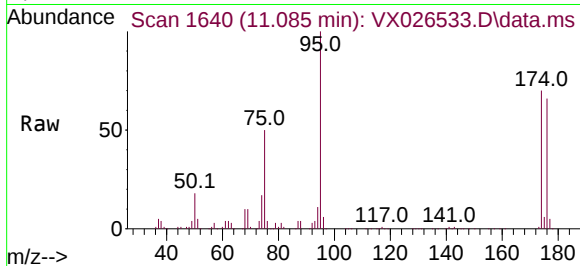




#81
trans-1,4-Dichloro-2-butene
Concen: 74.547 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.067 min
Lab File: VX026533.D
Acq: 20 Jan 2022 18:12

Instrument :
MSVOA_X
ClientSampleId :
VACLOT-BACKFILL-TILCON-09

Tgt Ion: 75 Resp: 44468
Ion Ratio Lower Upper
75 100
53 0.0 94.0 141.0#
89 0.0 37.0 55.4#



#94
Hexachlorobutadiene
Concen: 0.214 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX026533.D
Acq: 20 Jan 2022 18:12

Tgt Ion: 225 Resp: 159
Ion Ratio Lower Upper
225 100
223 64.2 32.0 96.0
227 44.0 32.3 96.9

