

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091422\
 Data File : VX031333.D
 Acq On : 15 Sep 2022 02:06
 Operator : JC/MD
 Sample : N4578-37
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CHERRY-HILL-COMP-9

Quant Time: Sep 15 06:10:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091422W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 01:50:07 2022
 Response via : Initial Calibration

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

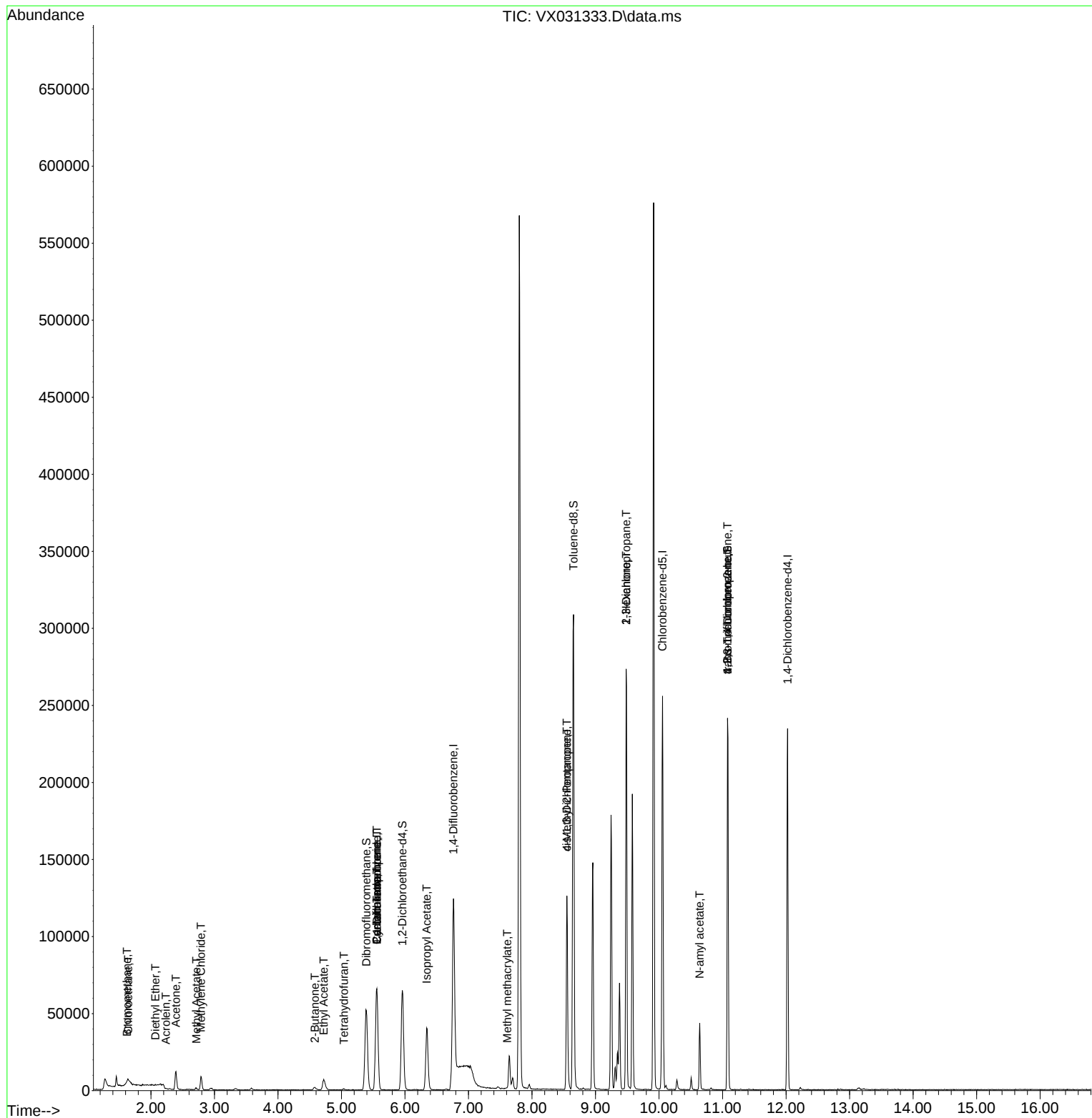
Internal Standards						
1) Pentafluorobenzene	5.556	168	57973	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	106116	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	103110	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	42331	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	60694	42.653	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	85.300%
35) Dibromofluoromethane	5.391	113	44118	38.677	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	77.360%
50) Toluene-d8	8.653	98	173595	40.571	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	81.140%#
62) 4-Bromofluorobenzene	11.079	95	59192	37.777	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	75.560%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	380	Below Cal	#	41
5) Bromomethane	1.623	94	177	0.233	ug/l #	73
6) Chloroethane	1.642	64	153	0.212	ug/l #	43
8) Diethyl Ether	2.068	74	19	0.551	ug/l #	1
11) Tert butyl alcohol	3.007	59	46	Below Cal	#	73
13) Acrolein	2.233	56	142	0.865	ug/l #	65
16) Acetone	2.392	43	14451	23.789	ug/l	98
18) Methyl Acetate	2.715	43	1618	0.898	ug/l #	88
20) Methylene Chloride	2.788	84	3518	1.370	ug/l	97
21) trans-1,2-Dichloroethene	3.068	96	46	Below Cal	#	1
25) 2-Butanone	4.580	43	2835	2.829	ug/l	90
29) Tetrahydrofuran	5.037	42	494	0.796	ug/l #	61
31) Cyclohexane	5.556	56	1760	1.151	ug/l #	39
36) 1,1-Dichloropropene	5.556	75	5734	3.673	ug/l #	48
37) Ethyl Acetate	4.720	43	12629	6.155	ug/l	97
38) Carbon Tetrachloride	5.556	117	6305	3.715	ug/l #	18
43) Isopropyl Acetate	6.342	43	56513	16.137	ug/l	97
48) Methyl methacrylate	7.610	41	1582	0.992	ug/l #	13
51) 4-Methyl-2-Pentanone	8.549	43	44512	20.910	ug/l #	49
54) cis-1,3-Dichloropropene	8.549	75	18025	8.609	ug/l #	64
57) 1,3-Dichloropropane	9.482	76	2218	1.031	ug/l #	43
59) 2-Hexanone	9.482	43	33621	20.693	ug/l #	51
74) N-amyl acetate	10.640	43	11368	7.314	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	35353	33.141	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	35353	91.702	ug/l #	11

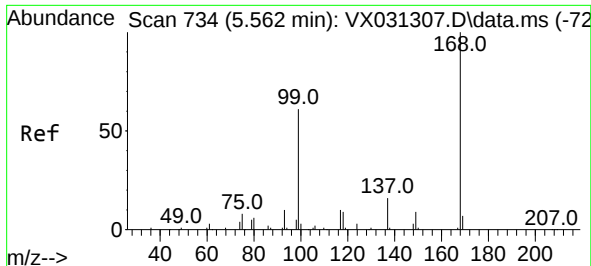
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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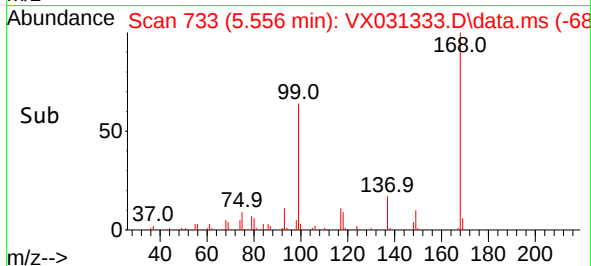
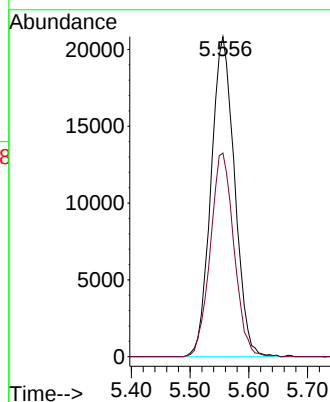
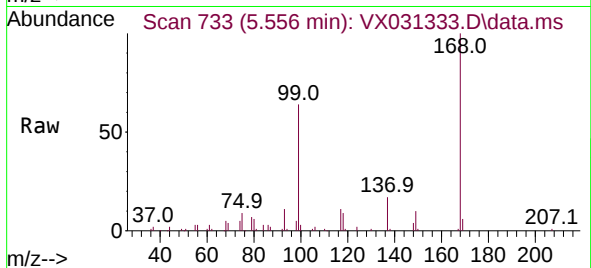




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031333.D
Acq: 15 Sep 2022 02:06

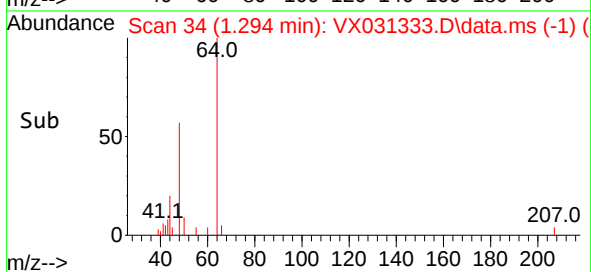
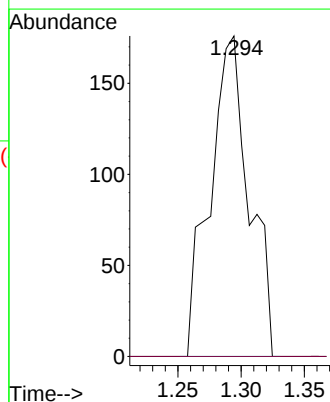
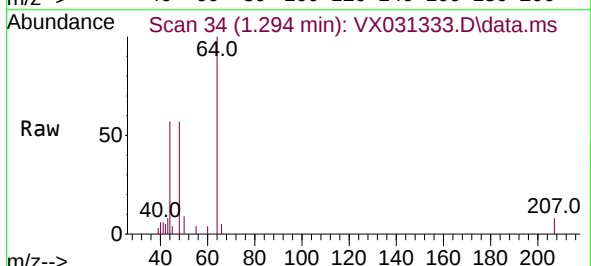
Instrument :
MSVOA_X
ClientSampleId :
CHERRY-HILL-COMP-9

Tgt Ion:168 Resp: 57973
Ion Ratio Lower Upper
168 100
99 63.7 48.8 73.2



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX031333.D
Acq: 15 Sep 2022 02:06

Tgt Ion: 50 Resp: 380
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

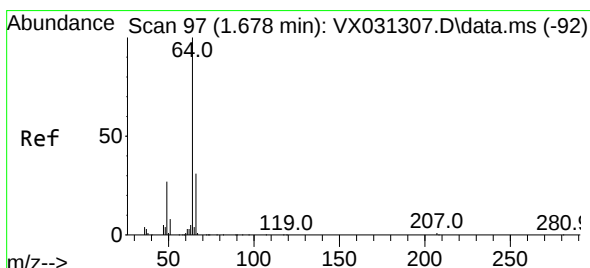
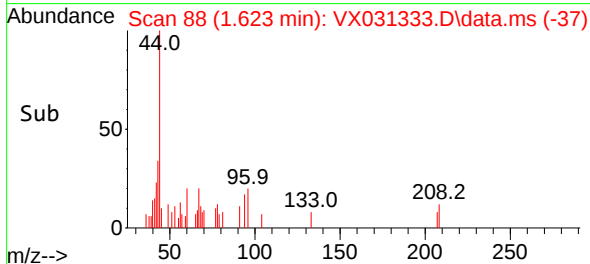
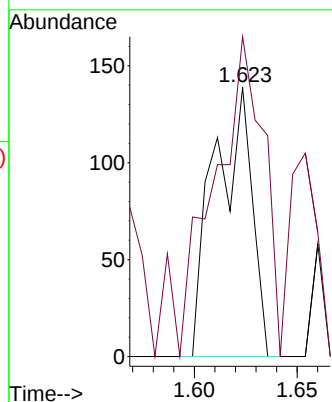
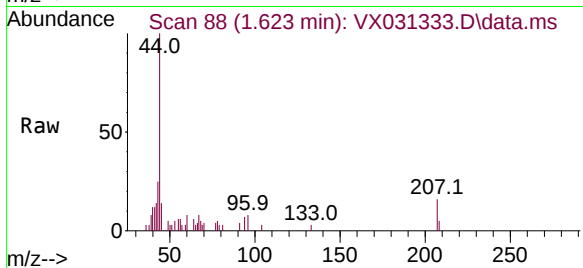




#5
Bromomethane
Concen: 0.233 ug/l
RT: 1.623 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX031333.D
Acq: 15 Sep 2022 02:06

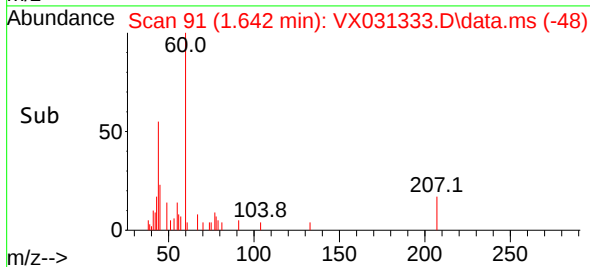
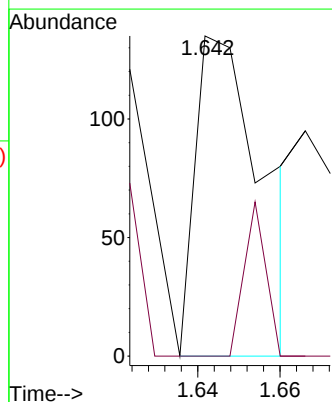
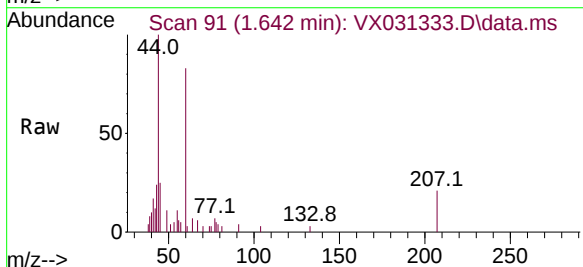
Instrument :
MSVOA_X
ClientSampleId :
CHERRY-HILL-COMP-9

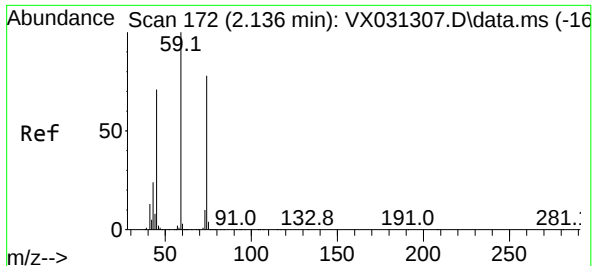
Tgt Ion: 94 Resp: 177
Ion Ratio Lower Upper
94 100
96 118.7 74.4 111.6#



#6
Chloroethane
Concen: 0.212 ug/l
RT: 1.642 min Scan# 91
Delta R.T. -0.036 min
Lab File: VX031333.D
Acq: 15 Sep 2022 02:06

Tgt Ion: 64 Resp: 153
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#

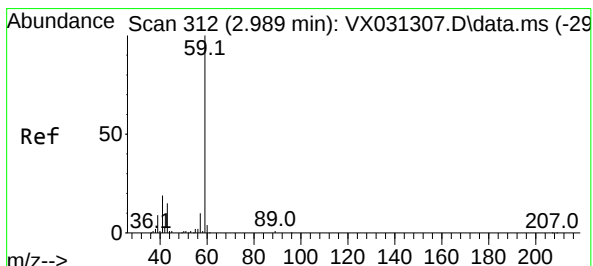
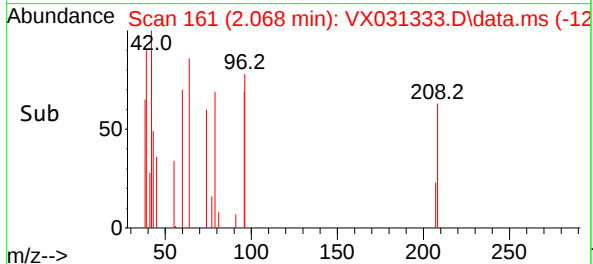
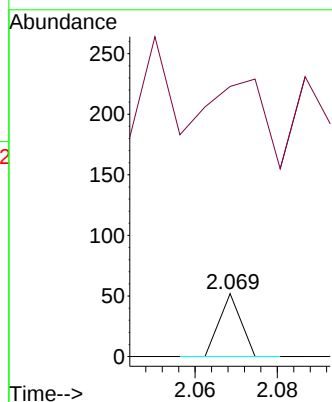
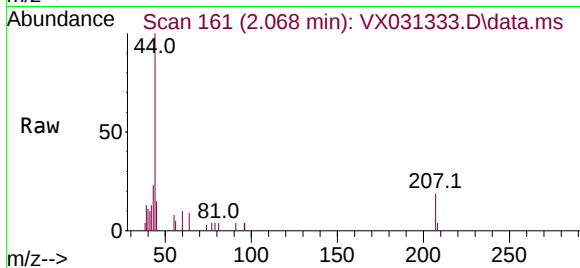




#8
Diethyl Ether
Concen: 0.551 ug/l
RT: 2.068 min Scan# 11
Delta R.T. -0.068 min
Lab File: VX031333.D
Acq: 15 Sep 2022 02:06

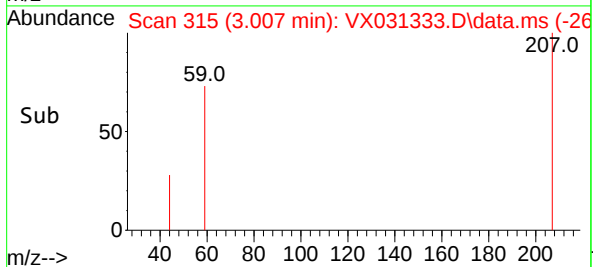
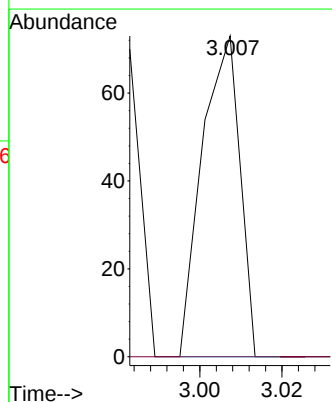
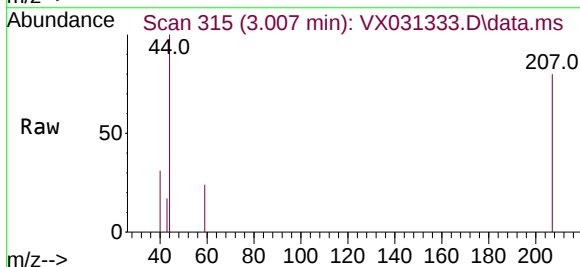
Instrument :
MSVOA_X
ClientSampleId :
CHERRY-HILL-COMP-9

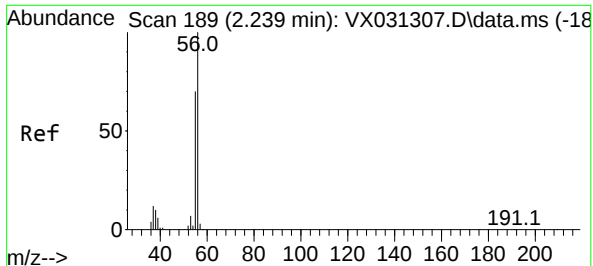
Tgt Ion: 74 Resp: 19
Ion Ratio Lower Upper
74 100
45 0.0 48.5 145.6#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.007 min Scan# 315
Delta R.T. 0.018 min
Lab File: VX031333.D
Acq: 15 Sep 2022 02:06

Tgt Ion: 59 Resp: 46
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#13

Acrolein

Concen: 0.865 ug/l

RT: 2.233 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX031333.D

Acq: 15 Sep 2022 02:06

Instrument :

MSVOA_X

ClientSampleId :

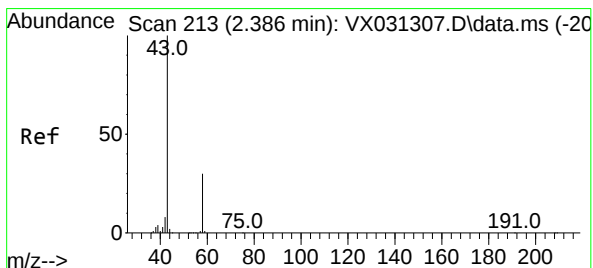
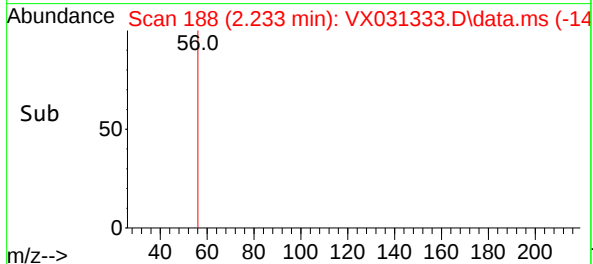
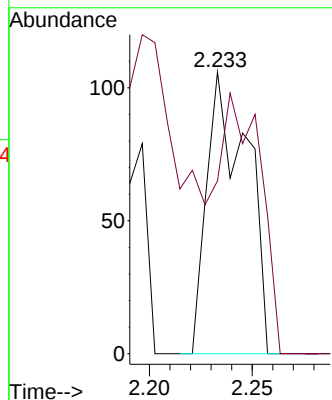
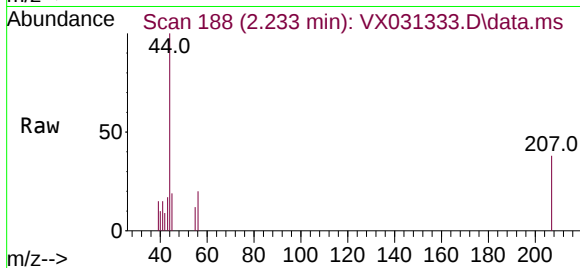
CHERRY-HILL-COMP-9

Tgt Ion: 56 Resp: 142

Ion Ratio Lower Upper

56 100

55 98.6 56.0 84.0#



#16

Acetone

Concen: 23.789 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX031333.D

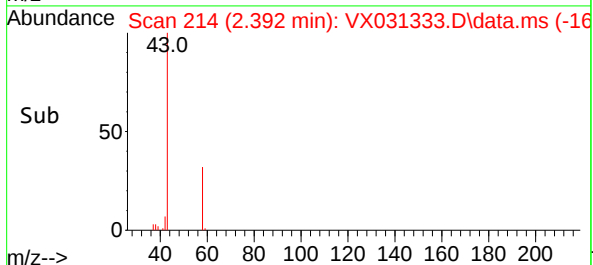
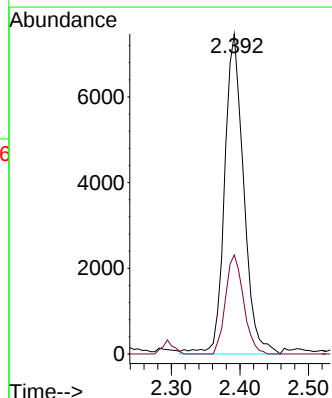
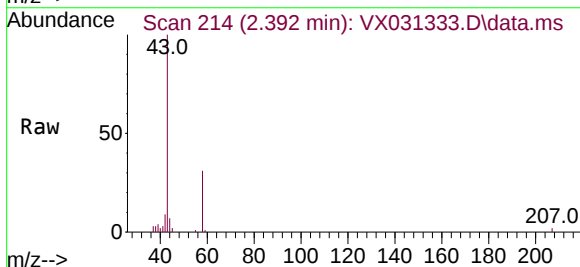
Acq: 15 Sep 2022 02:06

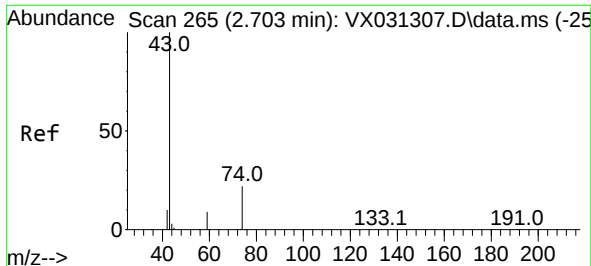
Tgt Ion: 43 Resp: 14451

Ion Ratio Lower Upper

43 100

58 31.0 23.8 35.8

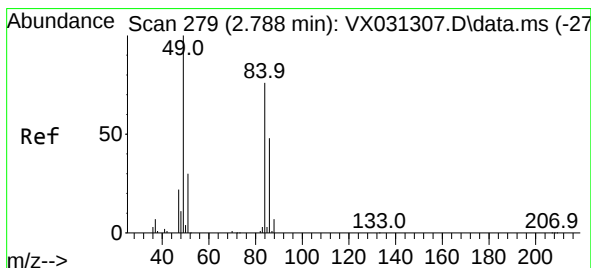
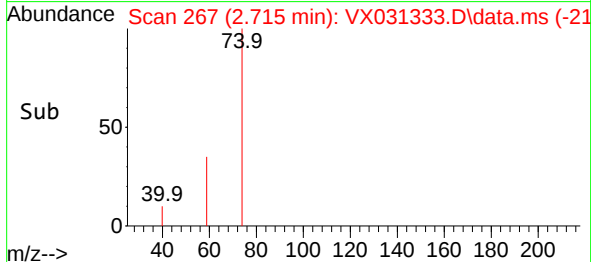
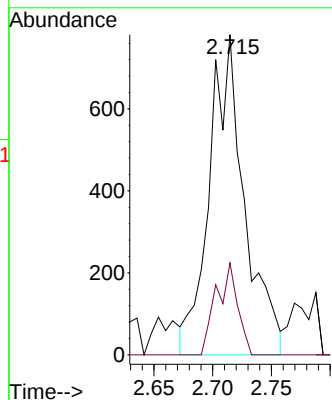
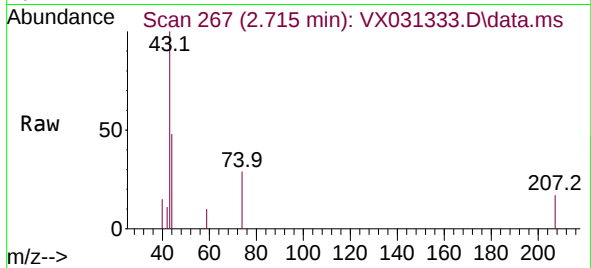




#18
Methyl Acetate
Concen: 0.898 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX031333.D
Acq: 15 Sep 2022 02:06

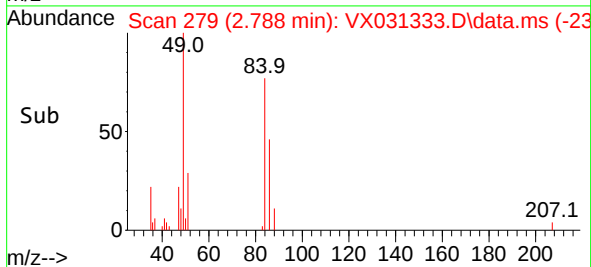
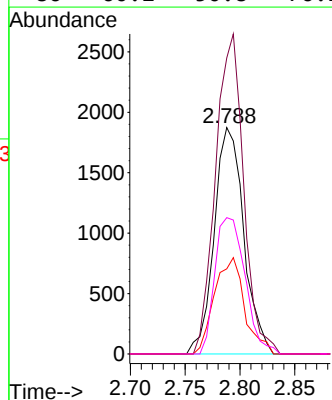
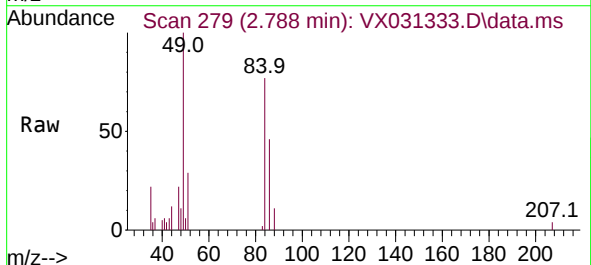
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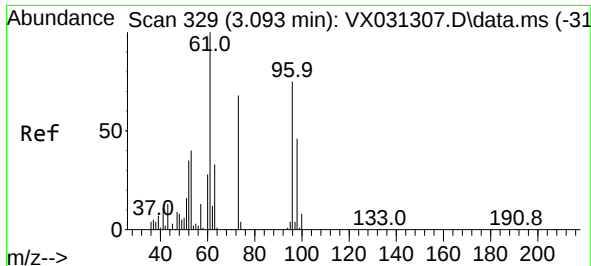
Tgt Ion: 43 Resp: 1618
Ion Ratio Lower Upper
43 100
74 17.6 18.6 27.8#



#20
Methylene Chloride
Concen: 1.370 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX031333.D
Acq: 15 Sep 2022 02:06

Tgt Ion: 84 Resp: 3518
Ion Ratio Lower Upper
84 100
49 130.7 105.9 158.9
51 37.6 32.2 48.2
86 60.2 50.8 76.2

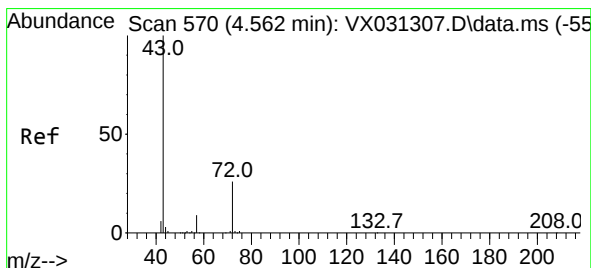
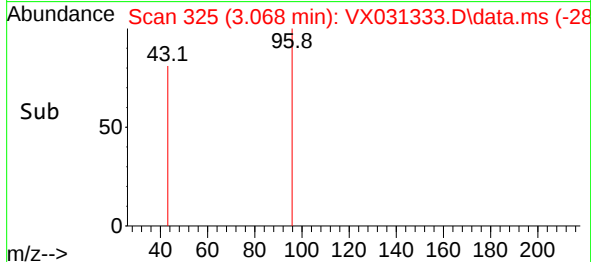
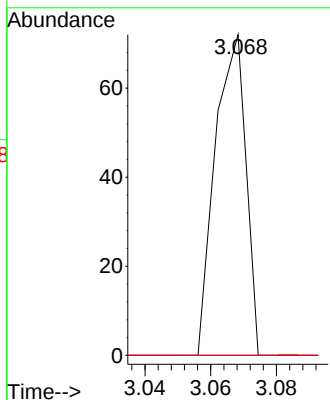
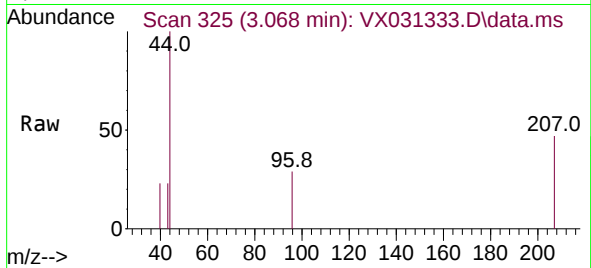




#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 3.068 min Scan# 31
Delta R.T. -0.025 min
Lab File: VX031333.D
Acq: 15 Sep 2022 02:06

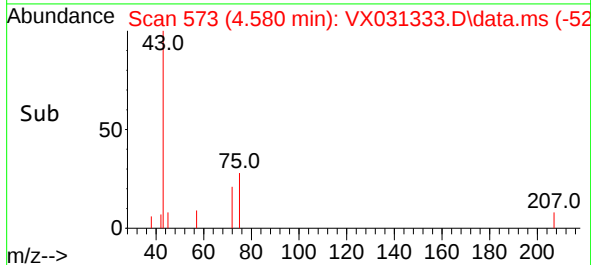
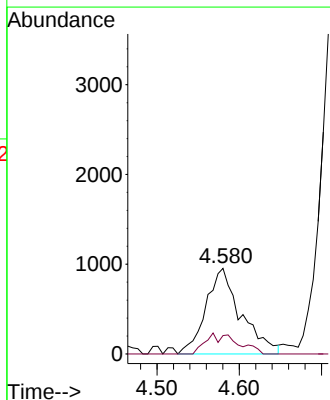
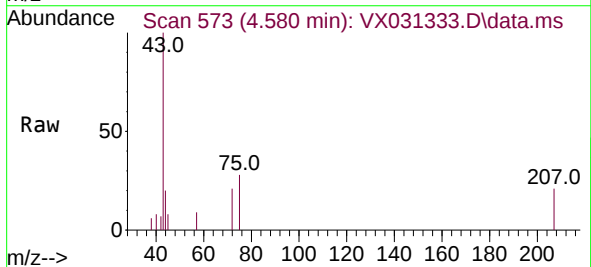
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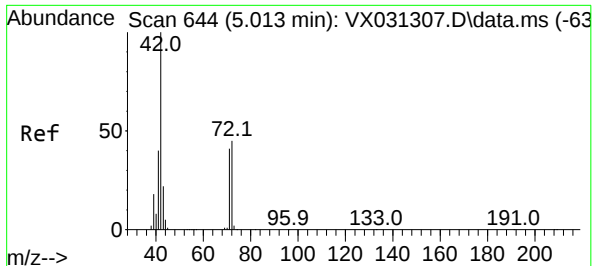
Tgt Ion: 96 Resp: 46
Ion Ratio Lower Upper
96 100
61 0.0 106.7 160.1#
98 0.0 48.7 73.1#



#25
2-Butanone
Concen: 2.829 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.018 min
Lab File: VX031333.D
Acq: 15 Sep 2022 02:06

Tgt Ion: 43 Resp: 2835
Ion Ratio Lower Upper
43 100
72 21.5 21.1 31.7





#29

Tetrahydrofuran

Concen: 0.796 ug/l

RT: 5.037 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX031333.D

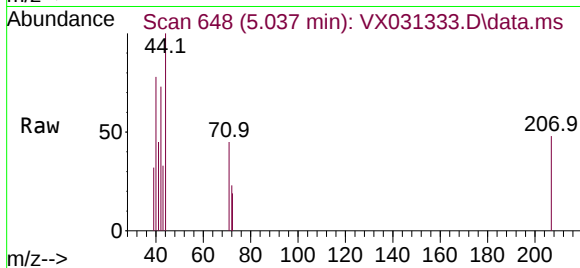
Acq: 15 Sep 2022 02:06

Instrument :

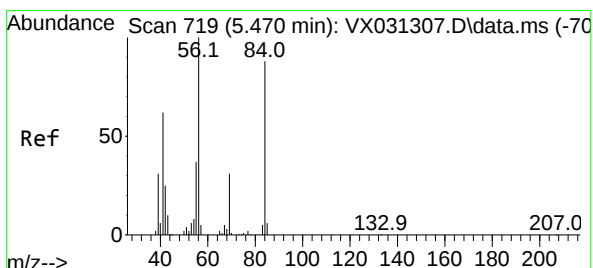
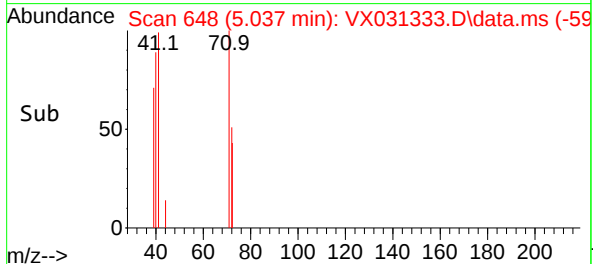
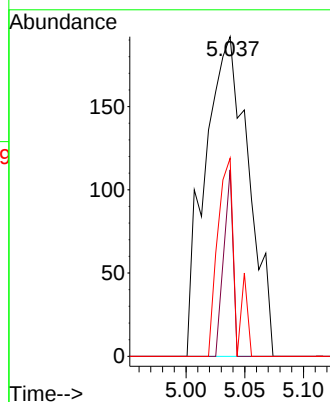
MSVOA_X

ClientSampleId :

CHERRY-HILL-COMP-9



Tgt Ion:	42	Resp:	494
Ion Ratio	Lower	Upper	
42	100		
72	12.3	36.4	54.6#
71	24.9	33.5	50.3#



#31

Cyclohexane

Concen: 1.151 ug/l

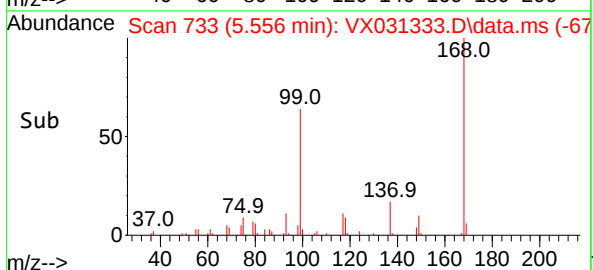
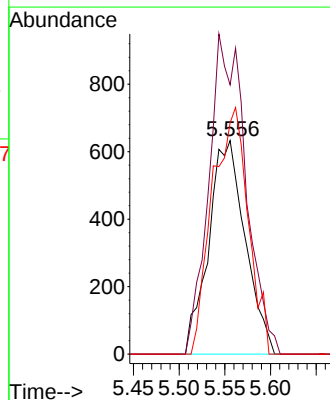
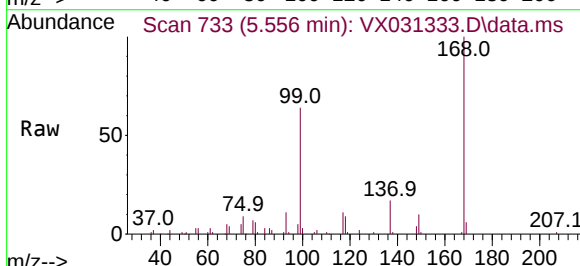
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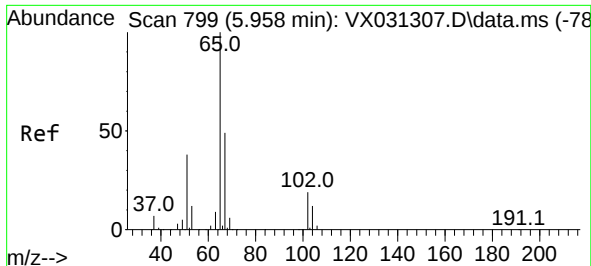
Delta R.T. 0.085 min

Lab File: VX031333.D

Acq: 15 Sep 2022 02:06

Tgt Ion:	56	Resp:	1760
Ion Ratio	Lower	Upper	
56	100		
69	126.1	25.1	37.7#
84	108.4	70.2	105.4#





#33

1,2-Dichloroethane-d4

Concen: 42.653 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX031333.D

Acq: 15 Sep 2022 02:06

Instrument :

MSVOA_X

ClientSampleId :

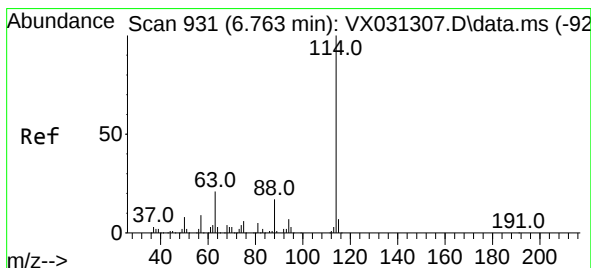
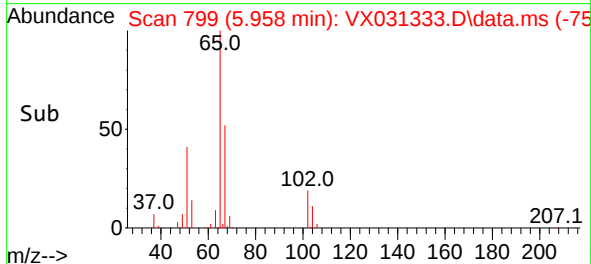
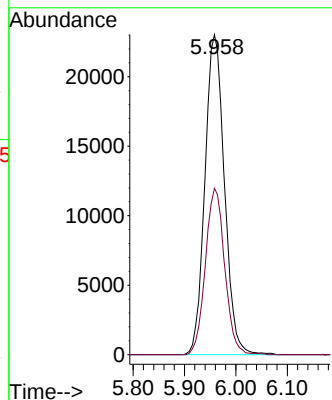
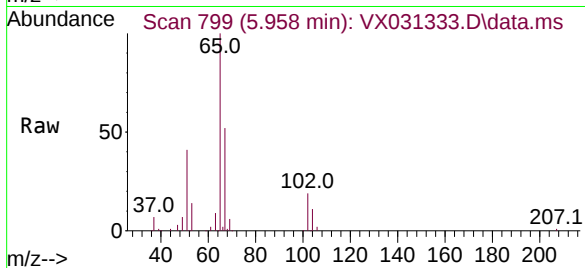
CHERRY-HILL-COMP-9

Tgt Ion: 65 Resp: 60694

Ion Ratio Lower Upper

65 100

67 51.4 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX031333.D

Acq: 15 Sep 2022 02:06

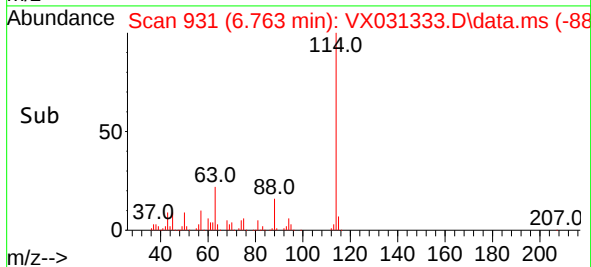
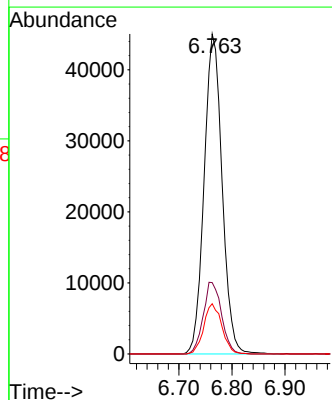
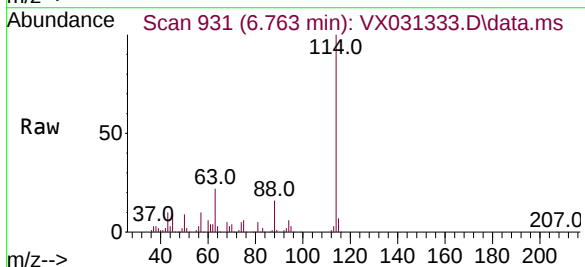
Tgt Ion: 114 Resp: 106116

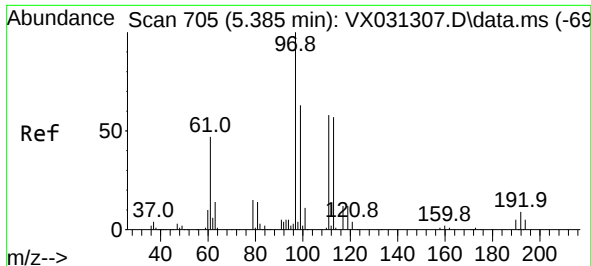
Ion Ratio Lower Upper

114 100

63 22.3 0.0 42.6

88 15.7 0.0 33.0

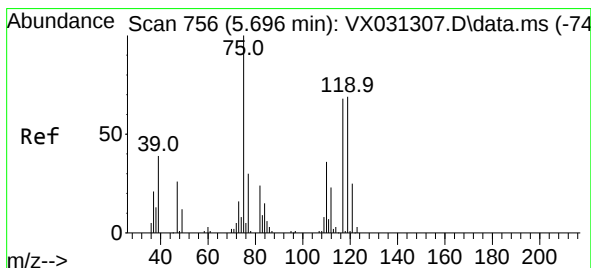
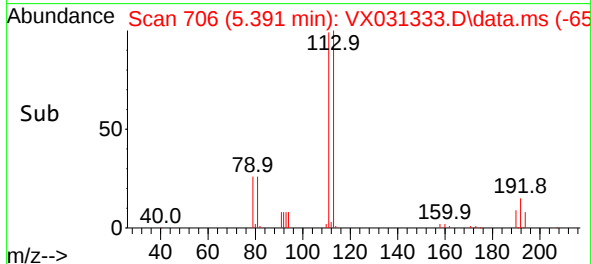
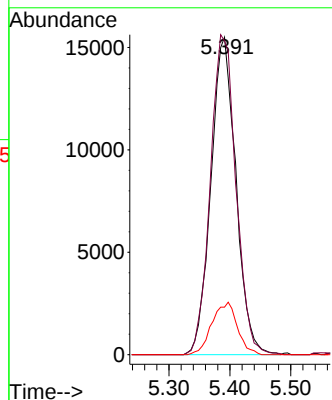
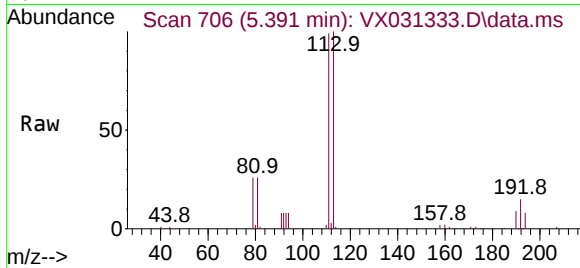




#35
Dibromofluoromethane
Concen: 38.677 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX031333.D
Acq: 15 Sep 2022 02:06

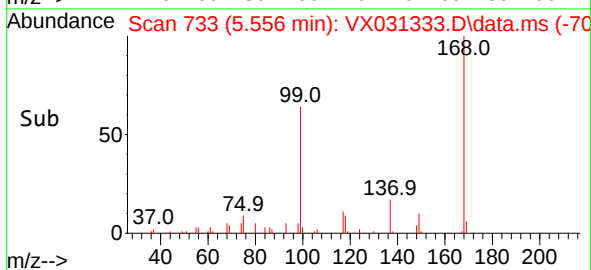
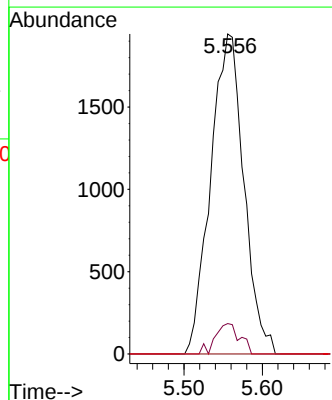
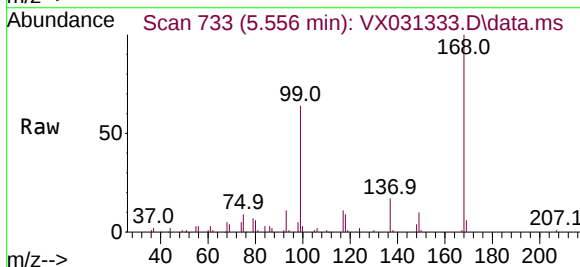
Instrument :
MSVOA_X
ClientSampleId :
CHERRY-HILL-COMP-9

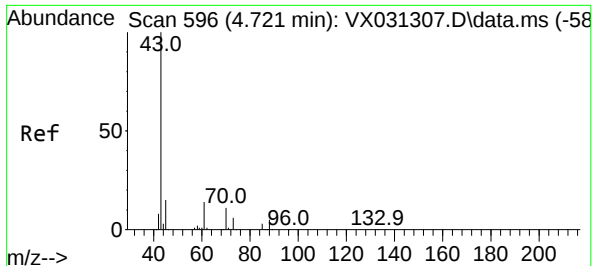
Tgt Ion:113 Resp: 44118
Ion Ratio Lower Upper
113 100
111 103.2 82.4 123.6
192 16.8 14.1 21.1



#36
1,1-Dichloropropene
Concen: 3.673 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX031333.D
Acq: 15 Sep 2022 02:06

Tgt Ion: 75 Resp: 5734
Ion Ratio Lower Upper
75 100
110 7.0 17.5 52.5#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 6.155 ug/l

RT: 4.720 min Scan# 596

Delta R.T. -0.000 min

Lab File: VX031333.D

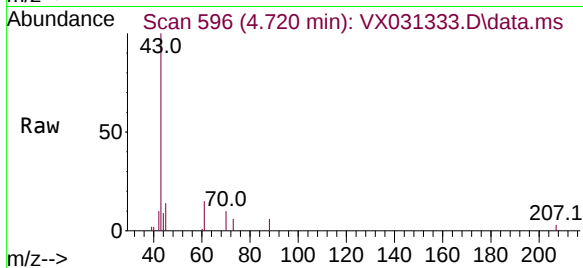
Acq: 15 Sep 2022 02:06

Instrument :

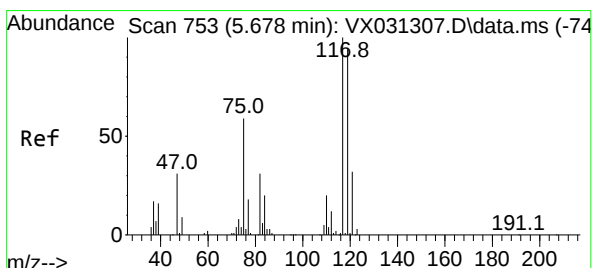
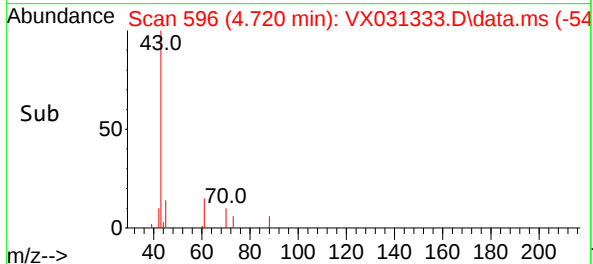
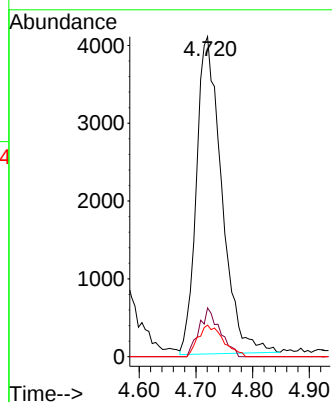
MSVOA_X

ClientSampleId :

CHERRY-HILL-COMP-9



Tgt Ion:	43	Resp:	12629
Ion	Ratio	Lower	Upper
43	100		
61	12.6	11.1	16.7
70	9.8	8.6	13.0



#38

Carbon Tetrachloride

Concen: 3.715 ug/l

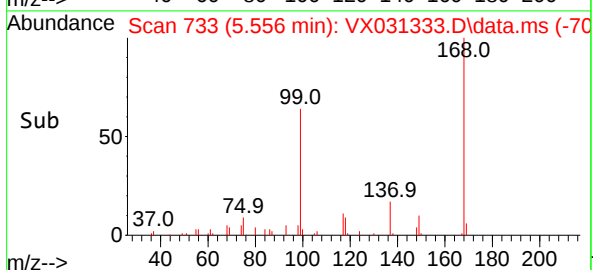
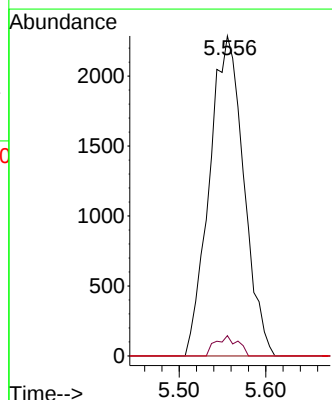
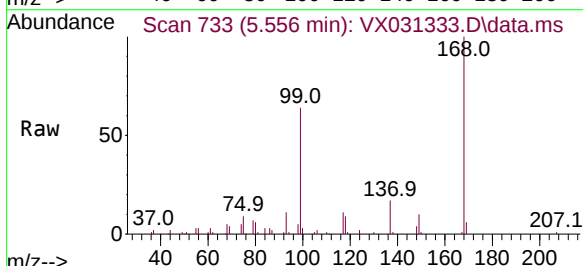
RT: 5.556 min Scan# 733

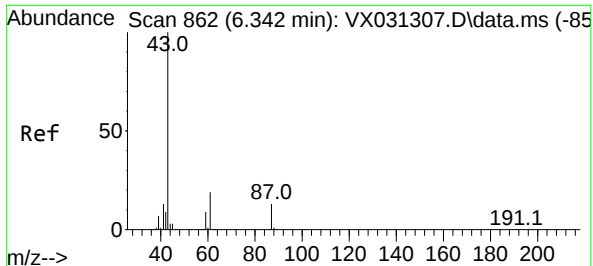
Delta R.T. -0.122 min

Lab File: VX031333.D

Acq: 15 Sep 2022 02:06

Tgt Ion:	117	Resp:	6305
Ion	Ratio	Lower	Upper
117	100		
119	6.3	74.6	112.0#
121	0.0	25.3	37.9#

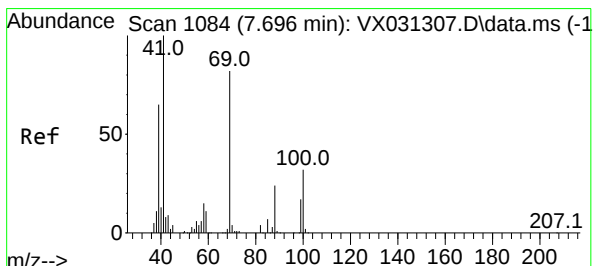
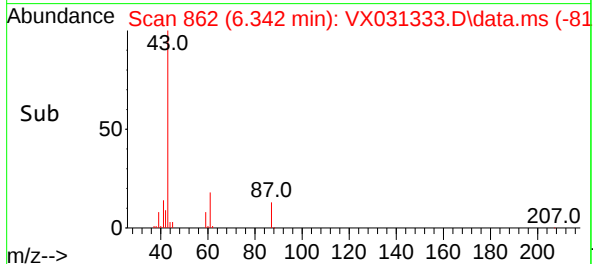
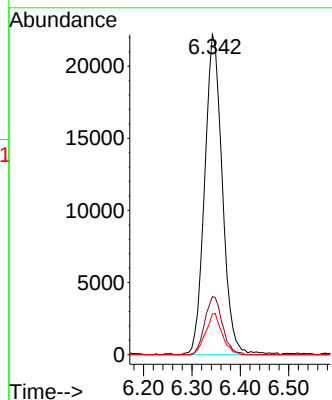
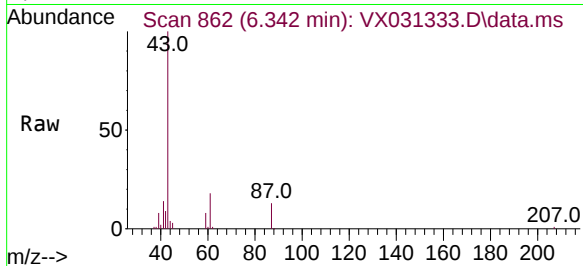




#43
Isopropyl Acetate
Concen: 16.137 ug/l
RT: 6.342 min Scan# 80
Delta R.T. -0.000 min
Lab File: VX031333.D
Acq: 15 Sep 2022 02:06

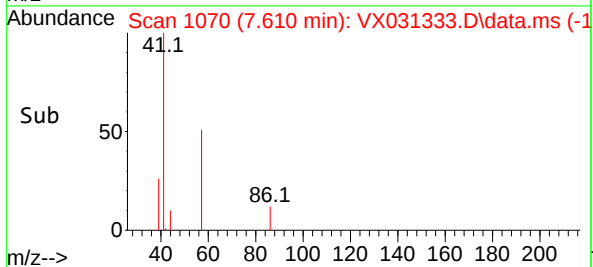
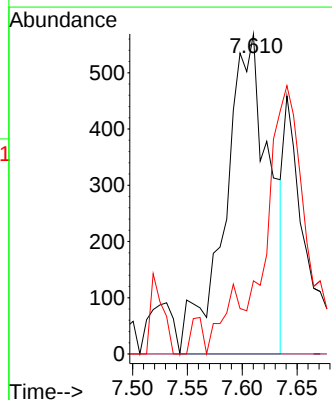
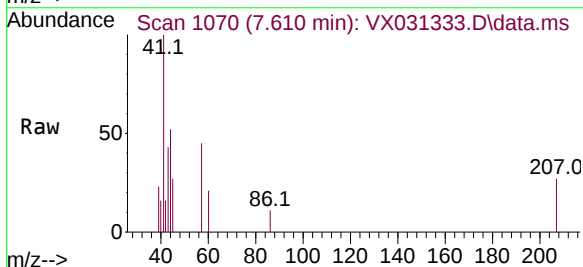
Instrument :
MSVOA_X
ClientSampleId :
CHERRY-HILL-COMP-9

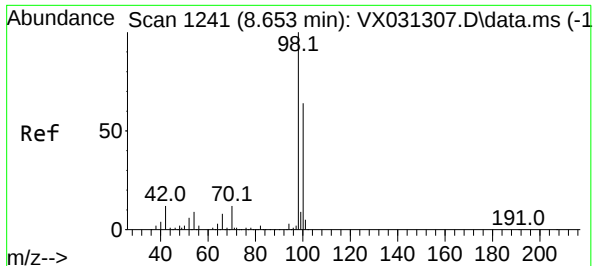
Tgt Ion: 43 Resp: 56513
Ion Ratio Lower Upper
43 100
61 17.9 15.3 22.9
87 12.0 10.6 15.8



#48
Methyl methacrylate
Concen: 0.992 ug/l
RT: 7.610 min Scan# 1070
Delta R.T. -0.085 min
Lab File: VX031333.D
Acq: 15 Sep 2022 02:06

Tgt Ion: 41 Resp: 1582
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 51.4 77.0#

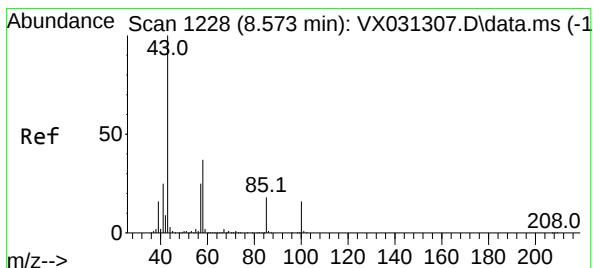
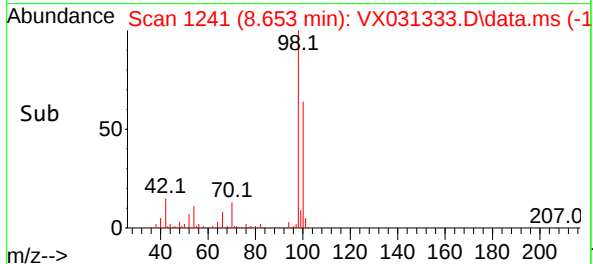
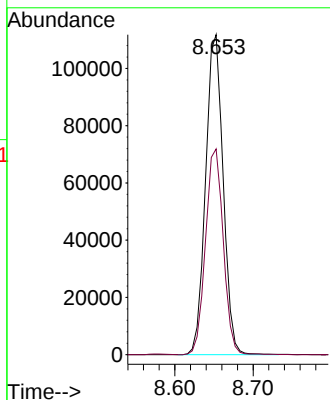
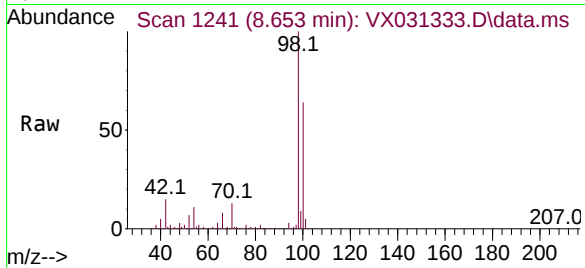




#50
Toluene-d8
Concen: 40.571 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031333.D
Acq: 15 Sep 2022 02:06

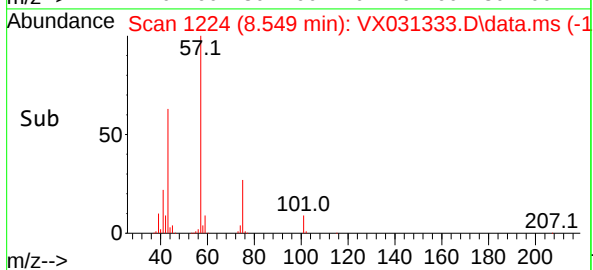
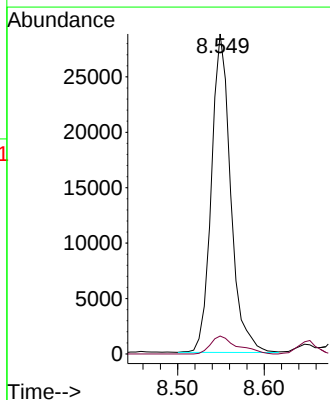
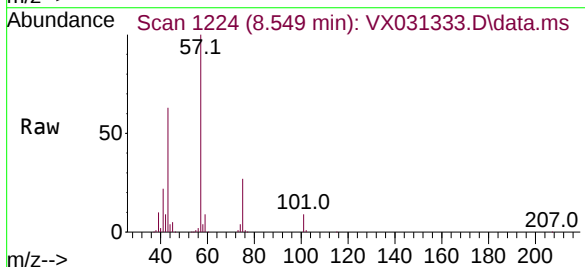
Instrument :
MSVOA_X
ClientSampleId :
CHERRY-HILL-COMP-9

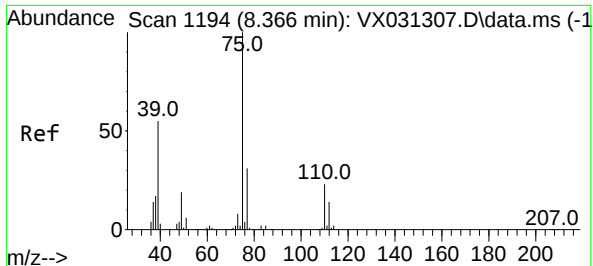
Tgt Ion: 98 Resp: 173595
Ion Ratio Lower Upper
98 100
100 65.2 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 20.910 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX031333.D
Acq: 15 Sep 2022 02:06

Tgt Ion: 43 Resp: 44512
Ion Ratio Lower Upper
43 100
58 7.7 30.6 46.0#

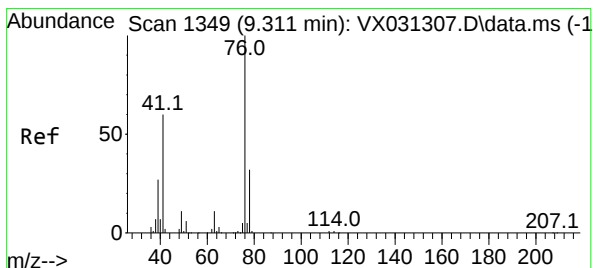
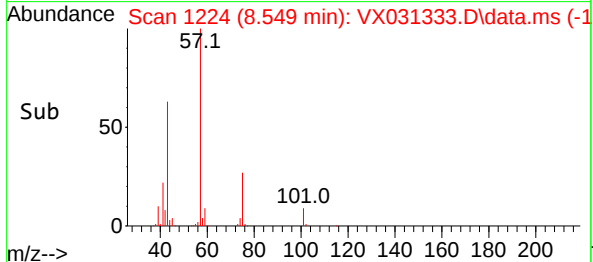
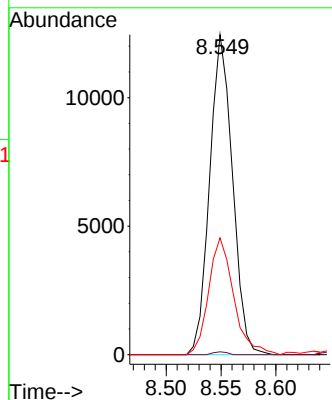
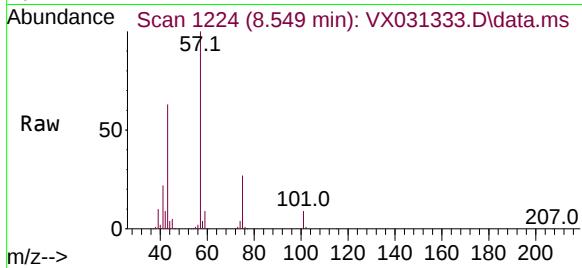




#54
 cis-1,3-Dichloropropene
 Concen: 8.609 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX031333.D
 Acq: 15 Sep 2022 02:06

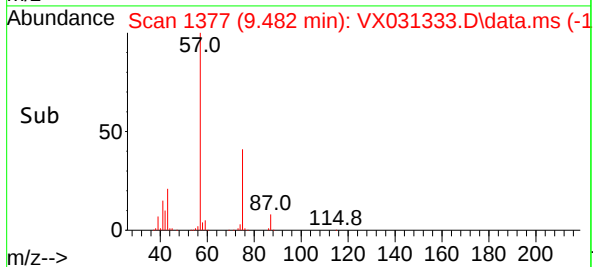
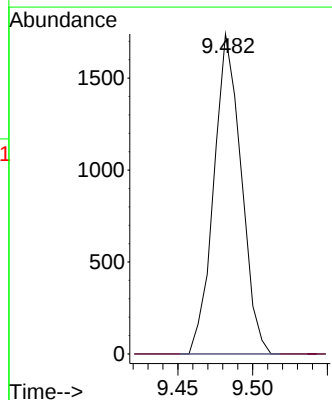
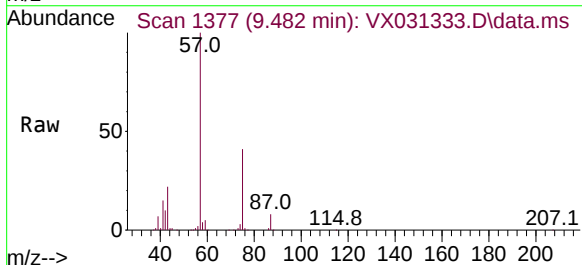
Instrument :
 MSVOA_X
 ClientSampleId :
 CHERRY-HILL-COMP-9

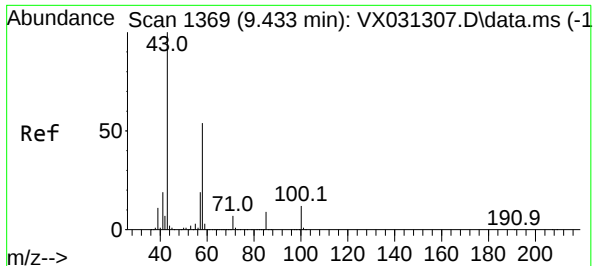
Tgt Ion: 75 Resp: 18025
 Ion Ratio Lower Upper
 75 100
 77 0.9 24.4 36.6#
 39 36.5 43.7 65.5#



#57
 1,3-Dichloropropane
 Concen: 1.031 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX031333.D
 Acq: 15 Sep 2022 02:06

Tgt Ion: 76 Resp: 2218
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#

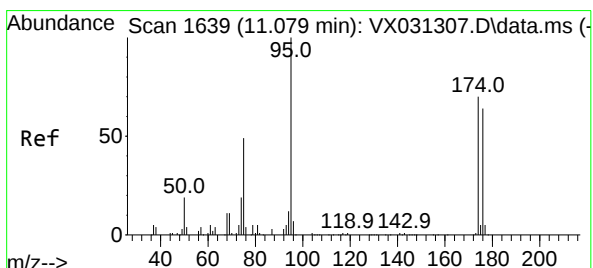
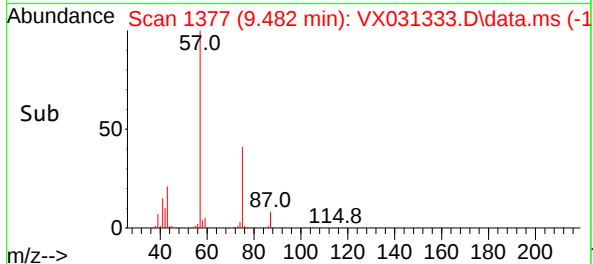
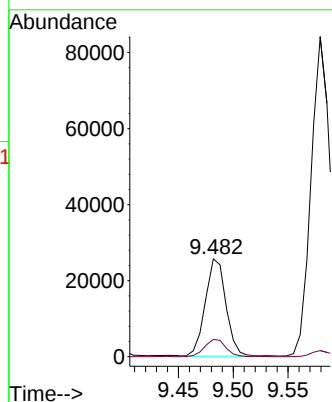
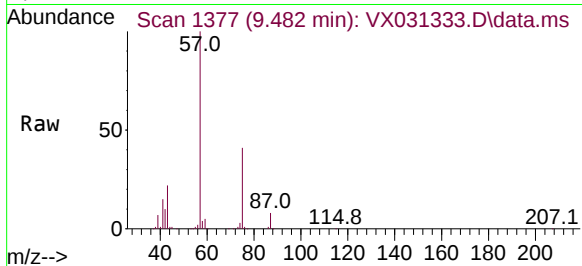




#59
2-Hexanone
Concen: 20.693 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX031333.D
Acq: 15 Sep 2022 02:06

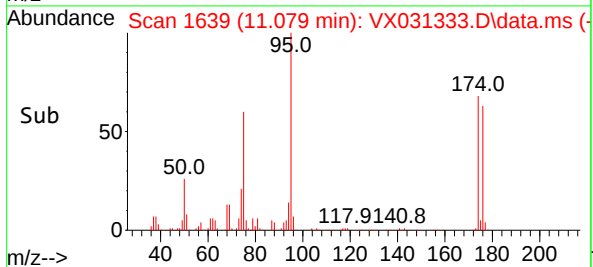
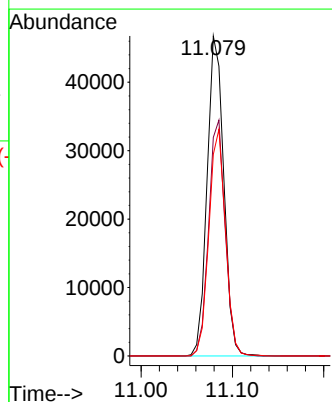
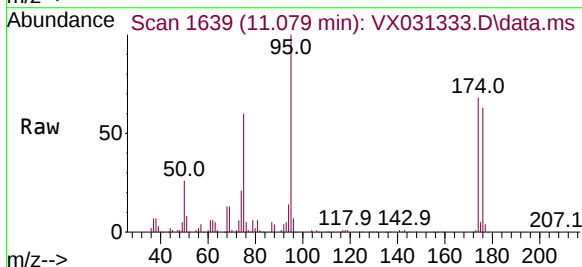
Instrument :
MSVOA_X
ClientSampleId :
CHERRY-HILL-COMP-9

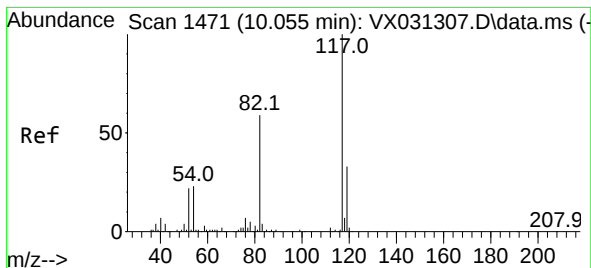
Tgt Ion: 43 Resp: 33621
Ion Ratio Lower Upper
43 100
58 18.3 26.7 80.0#



#62
4-Bromofluorobenzene
Concen: 37.777 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX031333.D
Acq: 15 Sep 2022 02:06

Tgt Ion: 95 Resp: 59192
Ion Ratio Lower Upper
95 100
174 73.1 0.0 153.2
176 70.6 0.0 144.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX031333.D

Acq: 15 Sep 2022 02:06

Instrument :

MSVOA_X

ClientSampleId :

CHERRY-HILL-COMP-9

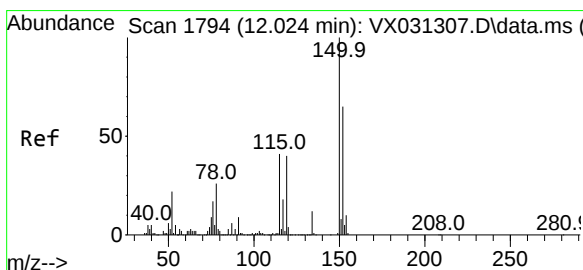
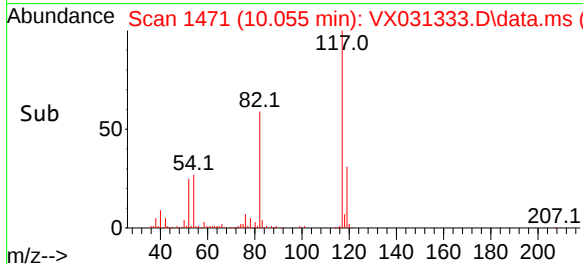
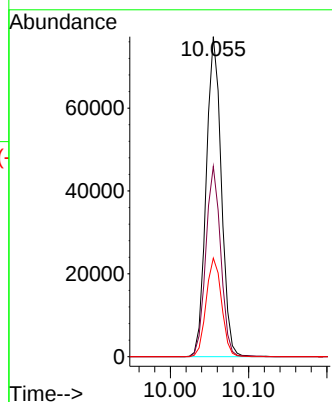
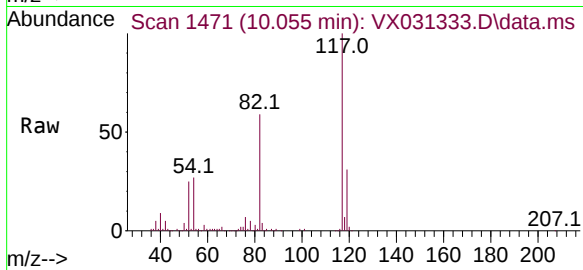
Tgt Ion:117 Resp: 103110

Ion Ratio Lower Upper

117 100

82 59.5 46.8 70.2

119 30.8 26.4 39.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX031333.D

Acq: 15 Sep 2022 02:06

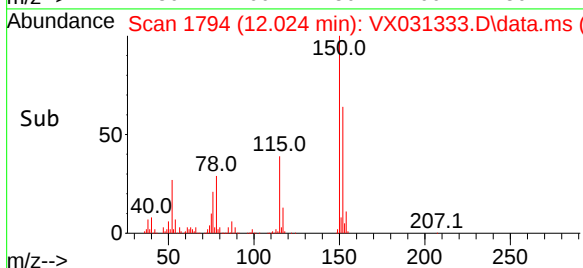
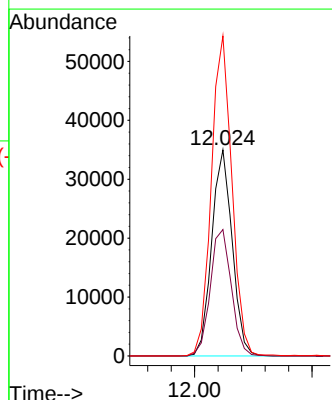
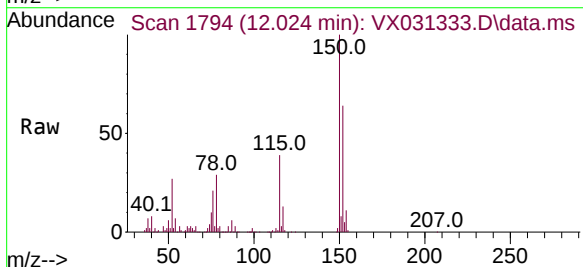
Tgt Ion:152 Resp: 42331

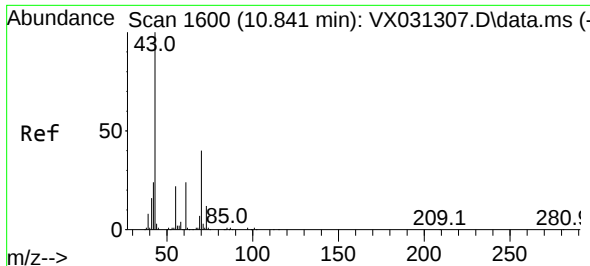
Ion Ratio Lower Upper

152 100

115 63.1 43.4 130.1

150 155.8 0.0 346.8

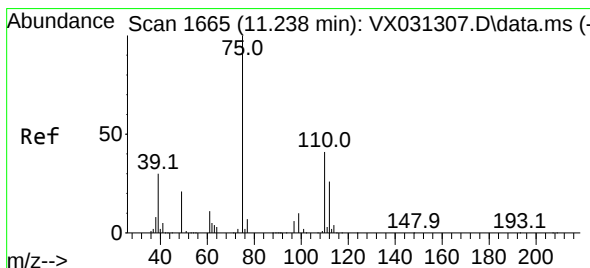
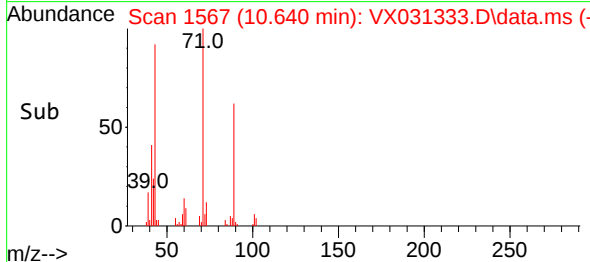
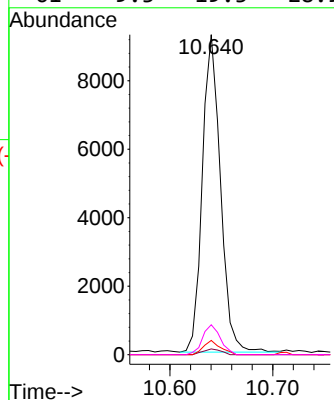
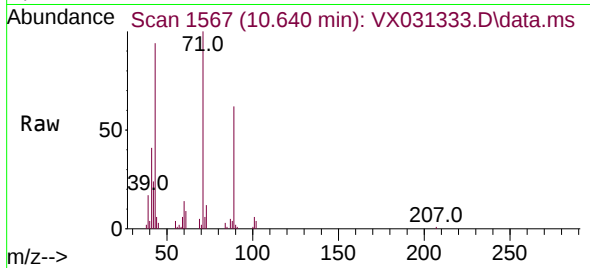




#74
N-amy1 acetate
Concen: 7.314 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.201 min
Lab File: VX031333.D
Acq: 15 Sep 2022 02:06

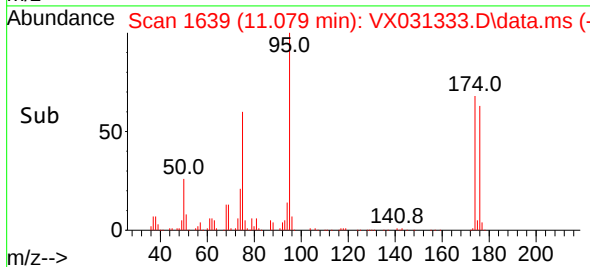
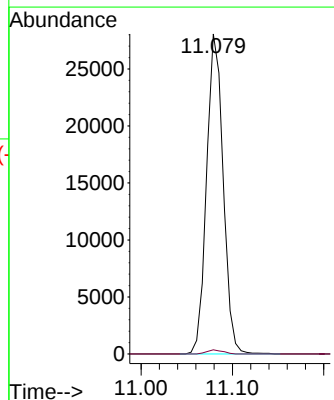
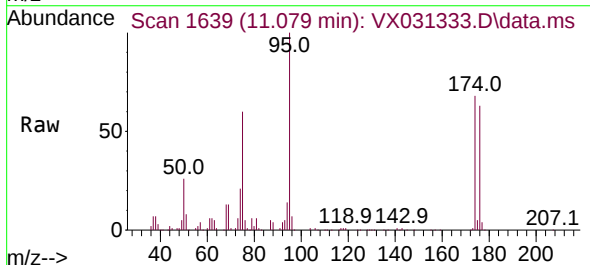
Instrument :
MSVOA_X
ClientSampleId :
CHERRY-HILL-COMP-9

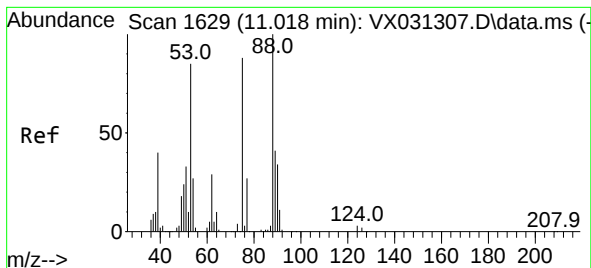
Tgt Ion: 43	Resp: 11368
Ion Ratio	Lower Upper
43 100	
70 1.8	33.4 50.2#
55 4.2	18.2 27.2#
61 9.3	19.3 28.9#



#76
1,2,3-Trichloropropane
Concen: 33.141 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031333.D
Acq: 15 Sep 2022 02:06

Tgt Ion: 75	Resp: 35353
Ion Ratio	Lower Upper
75 100	
77 1.2	20.3 60.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.702 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX031333.D
 Acq: 15 Sep 2022 02:06

Instrument :
 MSVOA_X
 ClientSampleId :
 CHERRY-HILL-COMP-9

Tgt Ion: 75 Resp: 35353
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.0 37.4 56.0#

