

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100421\
 Data File : VX024545.D
 Acq On : 05 Oct 2021 02:08
 Operator : JC/MD
 Sample : PB139556ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB139556ZHE#02

Quant Time: Oct 05 08:34:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 18:24:34 2021
 Response via : Initial Calibration

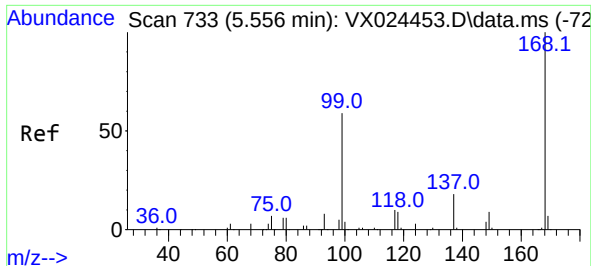
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	135071	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	258467	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	251147	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	102766	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	106459	55.923	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	111.840%
35) Dibromofluoromethane	5.397	113	79173	46.110	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.220%
50) Toluene-d8	8.653	98	305658	48.366	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.740%
62) 4-Bromofluorobenzene	11.085	95	110378	44.421	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.840%
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	224	0.248	ug/l #	75
6) Chloroethane	1.685	64	126	0.399	ug/l #	80
11) Tert butyl alcohol	2.965	59	2588	Below Cal		98
13) Acrolein	2.288	56	26	10.300	ug/l #	83
16) Acetone	2.386	43	11197	3.960	ug/l #	87
17) Carbon Disulfide	2.514	76	333	0.332	ug/l #	75
18) Methyl Acetate	2.715	43	1447	0.508	ug/l #	80
20) Methylene Chloride	2.794	84	8590	5.001	ug/l	91
25) 2-Butanone	4.574	43	12927	9.860	ug/l #	87
29) Tetrahydrofuran	5.026	42	392	0.469	ug/l #	65
31) Cyclohexane	5.556	56	2794	1.226	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10698	4.318	ug/l #	50
37) Ethyl Acetate	4.574	43	12927	4.179	ug/l #	64
38) Carbon Tetrachloride	5.562	117	14072	5.217	ug/l #	17
43) Isopropyl Acetate	6.348	43	20840	4.431	ug/l	94
48) Methyl methacrylate	7.598	41	7078	3.039	ug/l #	10
49) 1,4-Dioxane	7.806	88	203	3.806	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	71732	23.103	ug/l #	44
52) Toluene	8.726	92	1023	0.224	ug/l	93
54) cis-1,3-Dichloropropene	8.555	75	31434	10.857	ug/l #	63
57) 1,3-Dichloropropane	9.488	76	20449	6.404	ug/l #	42
59) 2-Hexanone	9.488	43	288539	118.005	ug/l #	45
74) N-amyl acetate	10.768	43	2426	0.726	ug/l #	42
76) 1,2,3-Trichloropropane	11.085	75	58118	24.903	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	58118	67.917	ug/l #	12

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

Quant Time: Oct 05 08:34:18 2021
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Quant Title : SW846 8260
QLast Update : Thu Sep 23 18:24:34 2021
Response via : Initial Calibration

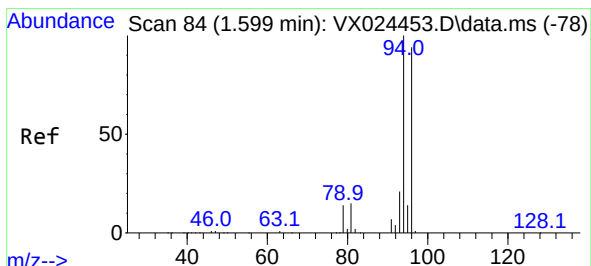
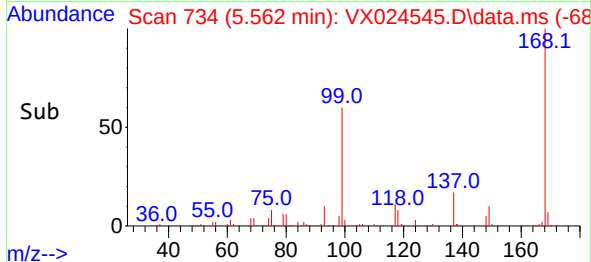
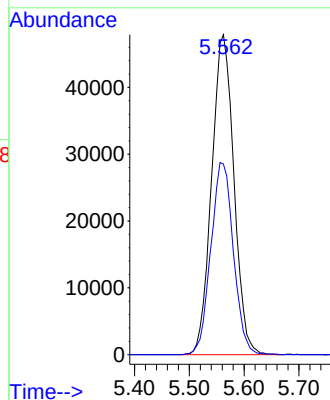
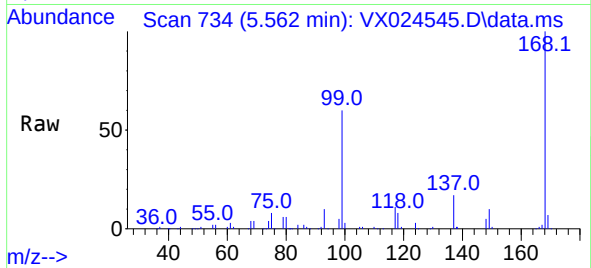




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024545.D
Acq: 05 Oct 2021 02:08

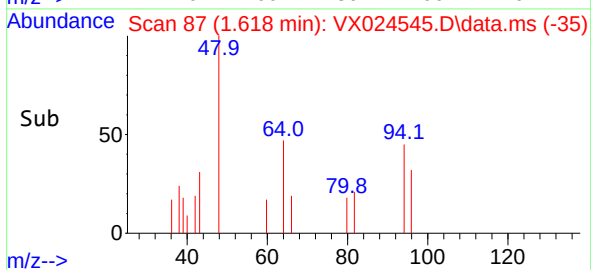
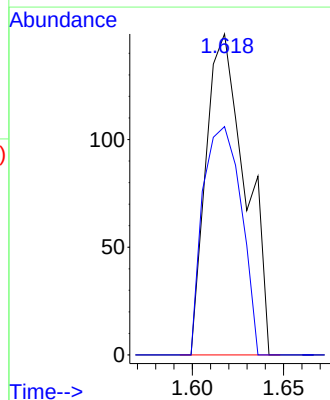
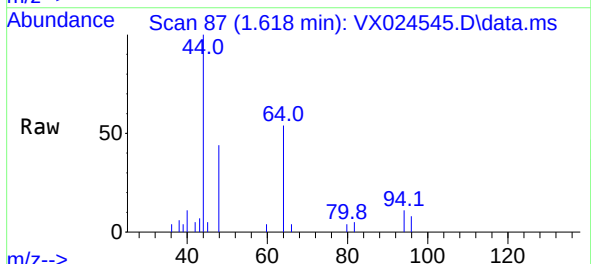
Instrument :
MSVOA_X
ClientSampleId :
PB139556ZHE#02

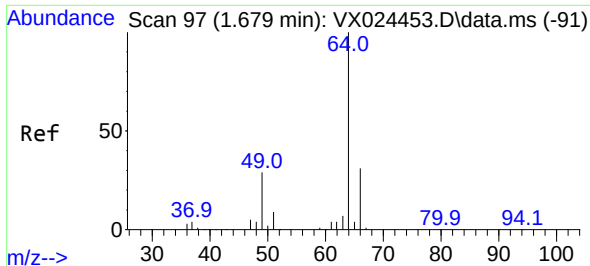
Tgt Ion:168 Resp: 135071
Ion Ratio Lower Upper
168 100
99 59.6 45.8 68.6



#5
Bromomethane
Concen: 0.248 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX024545.D
Acq: 05 Oct 2021 02:08

Tgt Ion: 94 Resp: 224
Ion Ratio Lower Upper
94 100
96 71.1 76.4 114.6#

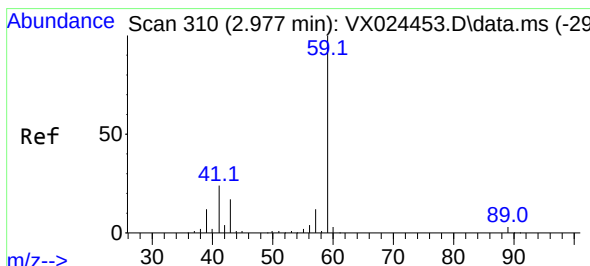
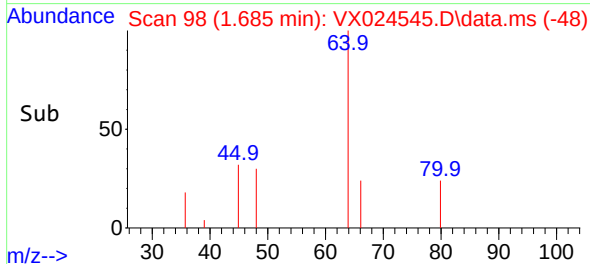
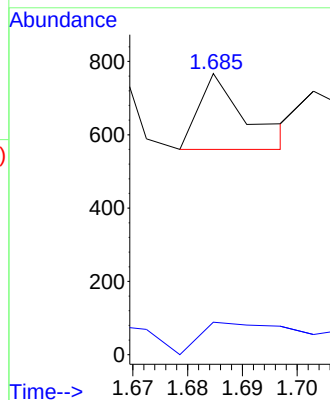
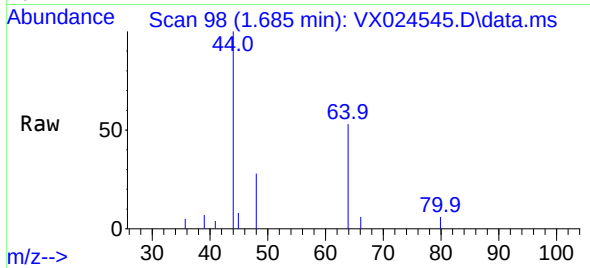




#6
Chloroethane
Concen: 0.399 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX024545.D
Acq: 05 Oct 2021 02:08

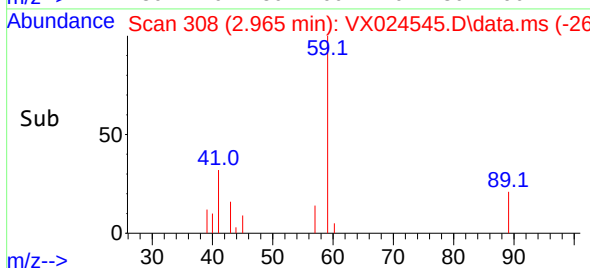
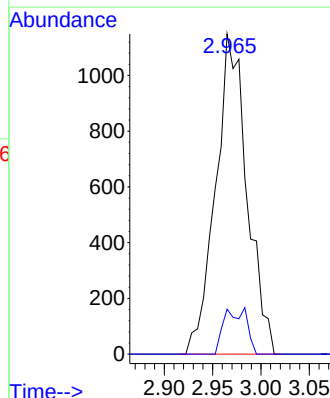
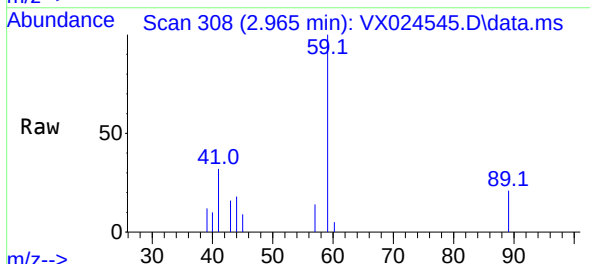
Instrument :
MSVOA_X
ClientSampleId :
PB139556ZHE#02

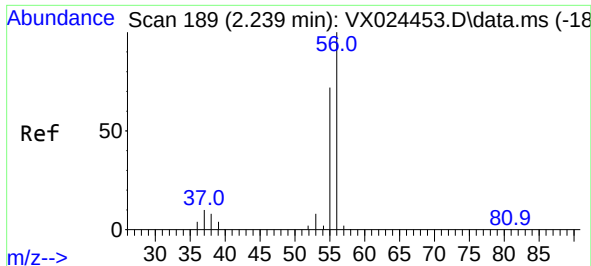
Tgt Ion: 64 Resp: 126
Ion Ratio Lower Upper
64 100
66 43.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX024545.D
Acq: 05 Oct 2021 02:08

Tgt Ion: 59 Resp: 2588
Ion Ratio Lower Upper
59 100
57 10.4 7.8 11.8

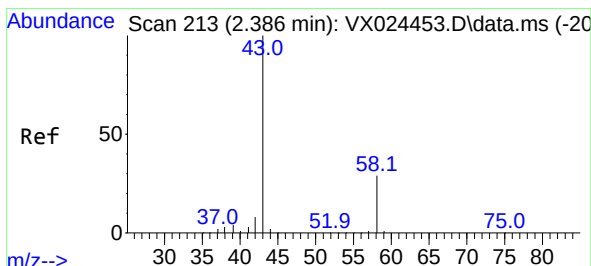
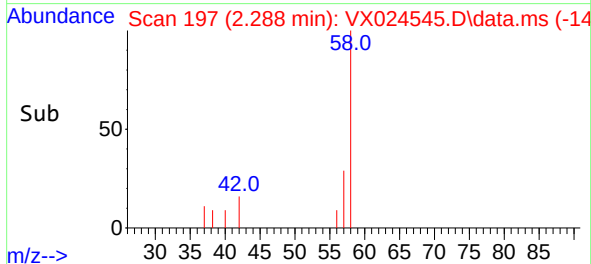
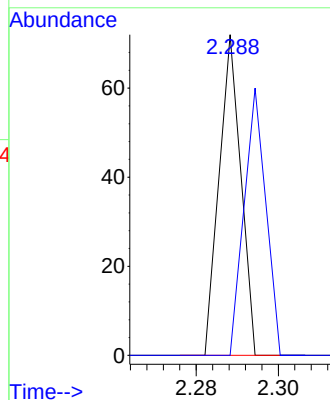
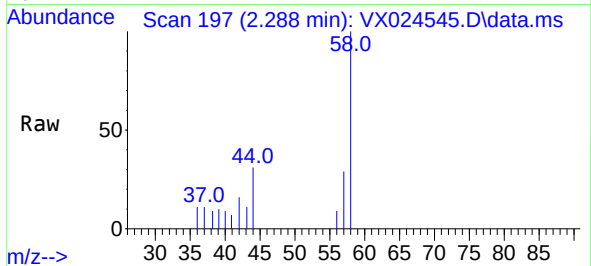




#13
Acrolein
Concen: 10.300 ug/l
RT: 2.288 min Scan# 197
Delta R.T. 0.049 min
Lab File: VX024545.D
Acq: 05 Oct 2021 02:08

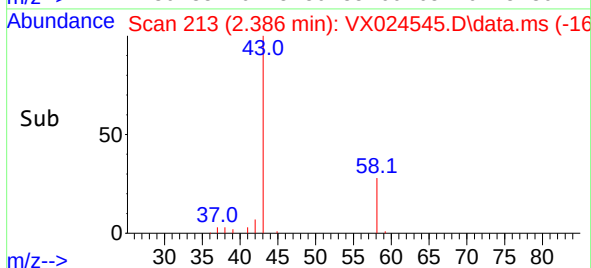
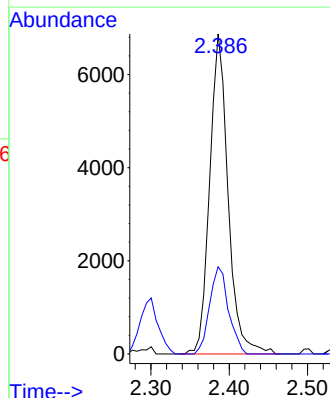
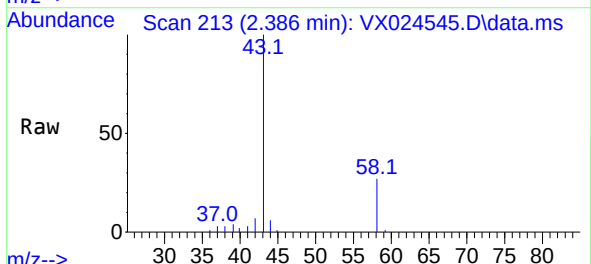
Instrument :
MSVOA_X
ClientSampleId :
PB139556ZHE#02

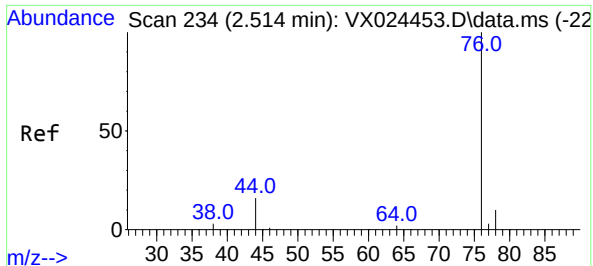
Tgt Ion: 56 Resp: 26
Ion Ratio Lower Upper
56 100
55 84.6 56.4 84.6#



#16
Acetone
Concen: 3.960 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024545.D
Acq: 05 Oct 2021 02:08

Tgt Ion: 43 Resp: 11197
Ion Ratio Lower Upper
43 100
58 27.2 27.8 41.8#

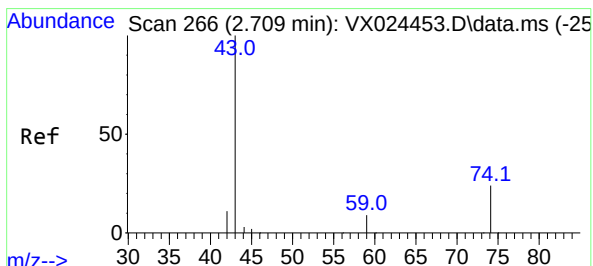
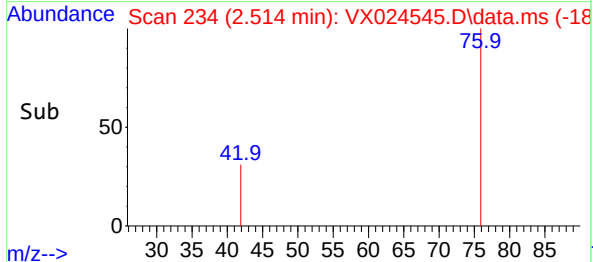
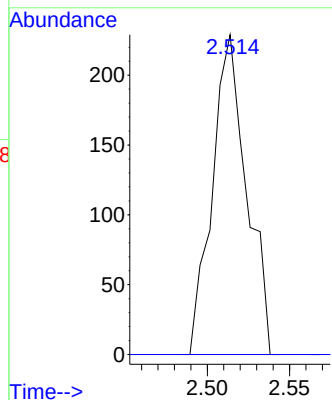
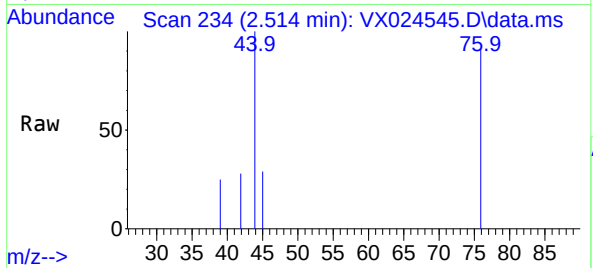




#17
Carbon Disulfide
Concen: 0.332 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024545.D
Acq: 05 Oct 2021 02:08

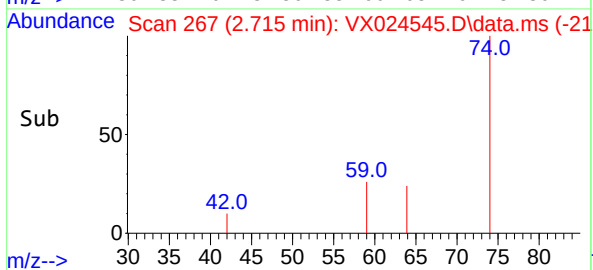
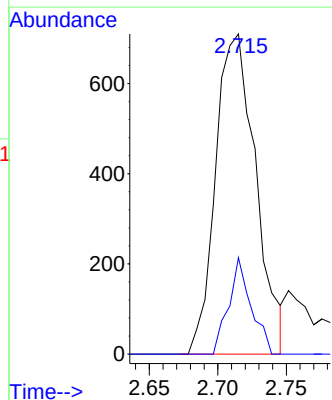
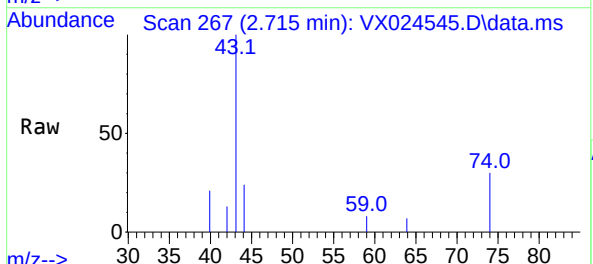
Instrument :
MSVOA_X
ClientSampleId :
PB139556ZHE#02

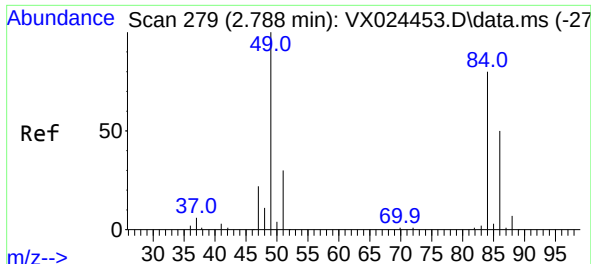
Tgt Ion: 76 Resp: 333
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.508 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX024545.D
Acq: 05 Oct 2021 02:08

Tgt Ion: 43 Resp: 1447
Ion Ratio Lower Upper
43 100
74 16.9 21.9 32.9#





#20

Methylene Chloride

Concen: 5.001 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX024545.D

Acq: 05 Oct 2021 02:08

Instrument :

MSVOA_X

ClientSampleId :

PB139556ZHE#02

Tgt Ion: 84 Resp: 8590

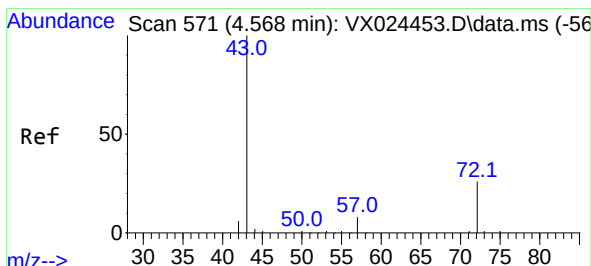
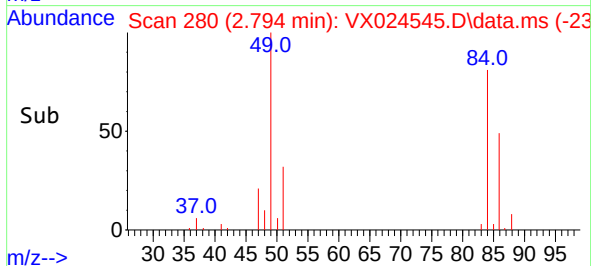
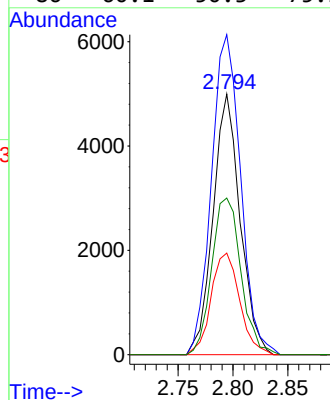
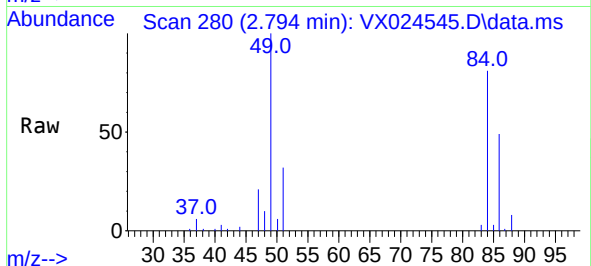
Ion Ratio Lower Upper

84 100

49 122.8 88.6 132.8

51 39.0 27.0 40.6

86 60.1 50.3 75.5



#25

2-Butanone

Concen: 9.860 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.006 min

Lab File: VX024545.D

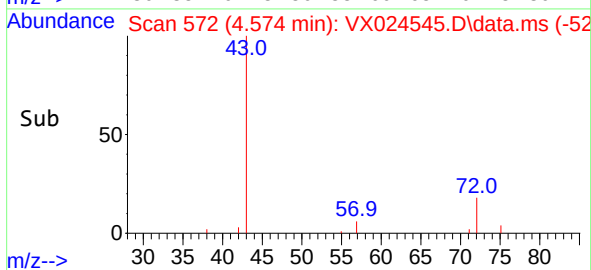
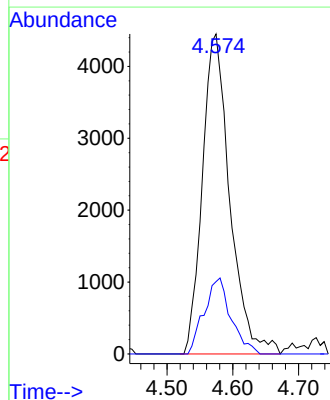
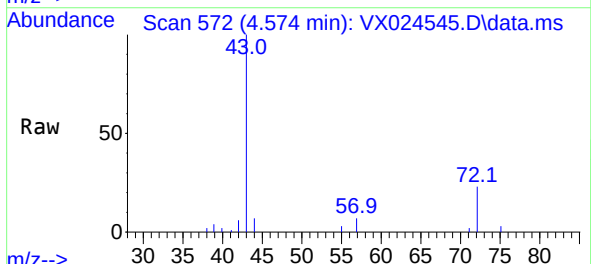
Acq: 05 Oct 2021 02:08

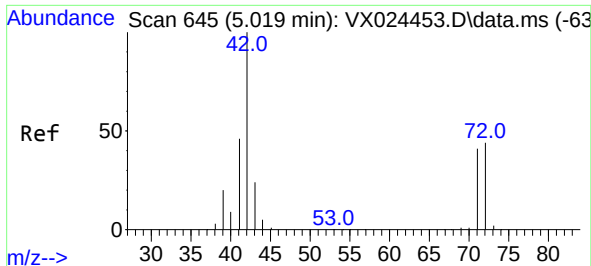
Tgt Ion: 43 Resp: 12927

Ion Ratio Lower Upper

43 100

72 22.6 23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.469 ug/l

RT: 5.026 min Scan# 646

Delta R.T. 0.007 min

Lab File: VX024545.D

Acq: 05 Oct 2021 02:08

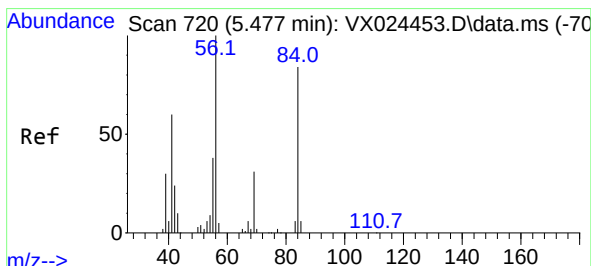
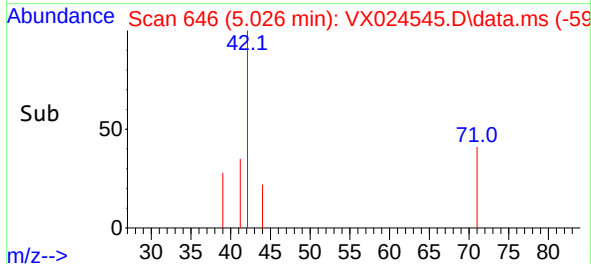
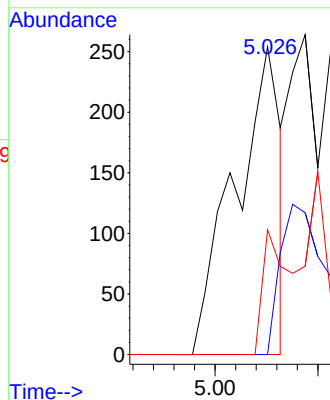
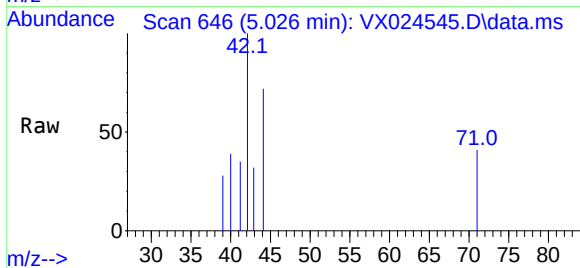
Instrument :

MSVOA_X

ClientSampleId :

PB139556ZHE#02

Tgt Ion:	42	Resp:	392
Ion	Ratio	Lower	Upper
42	100		
72	53.1	41.7	62.5
71	0.0	38.4	57.6#



#31

Cyclohexane

Concen: 1.226 ug/l

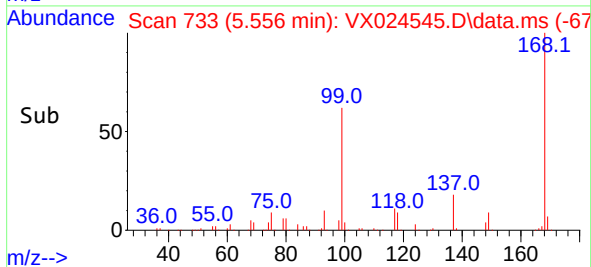
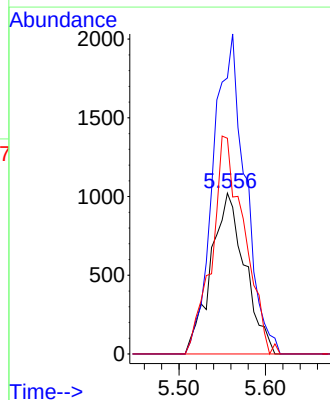
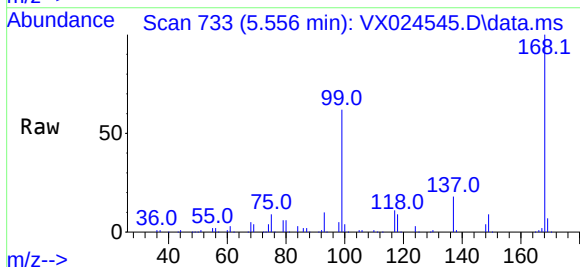
RT: 5.556 min Scan# 733

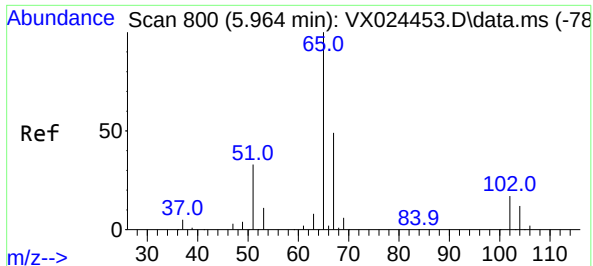
Delta R.T. 0.079 min

Lab File: VX024545.D

Acq: 05 Oct 2021 02:08

Tgt Ion:	56	Resp:	2794
Ion	Ratio	Lower	Upper
56	100		
69	171.6	25.3	37.9#
84	134.1	71.4	107.0#



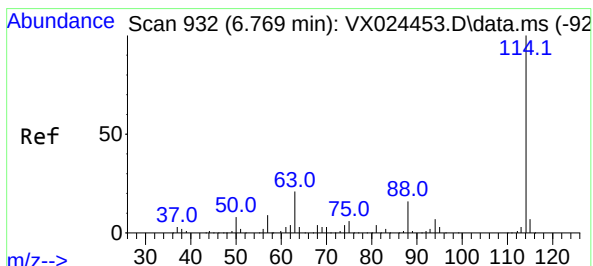
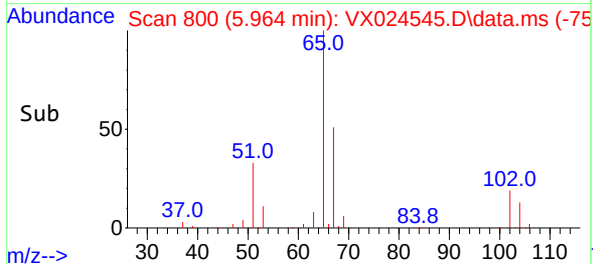
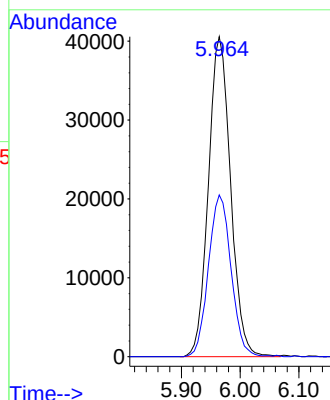
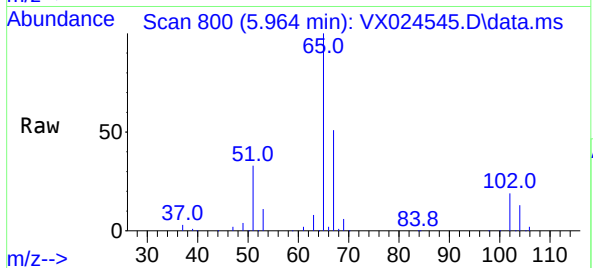


#33

1,2-Dichloroethane-d4
Concen: 55.923 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024545.D
Acq: 05 Oct 2021 02:08

Instrument :
MSVOA_X
ClientSampleId :
PB139556ZHE#02

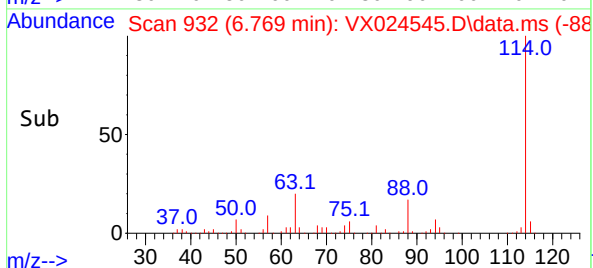
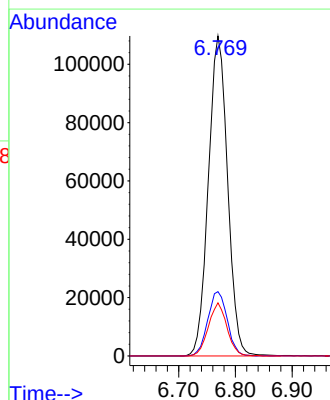
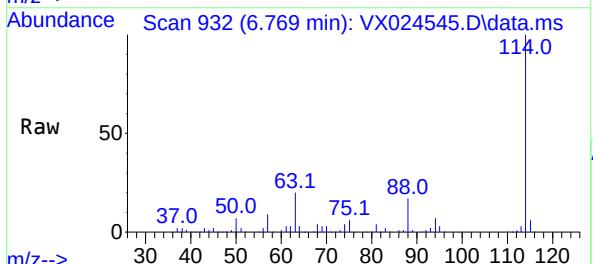
Tgt Ion: 65 Resp: 106459
Ion Ratio Lower Upper
65 100
67 51.5 0.0 105.4

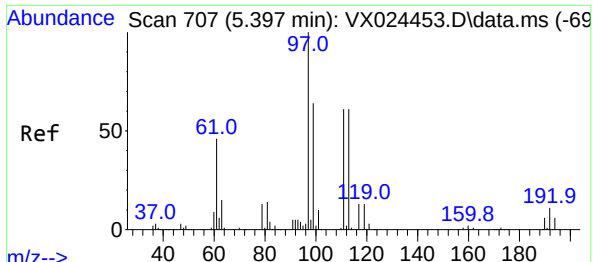


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024545.D
Acq: 05 Oct 2021 02:08

Tgt Ion: 114 Resp: 258467
Ion Ratio Lower Upper
114 100
63 20.1 0.0 40.8
88 16.6 0.0 32.8



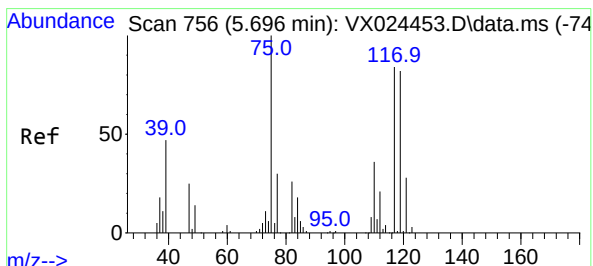
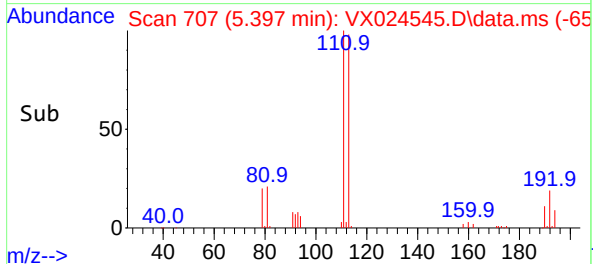
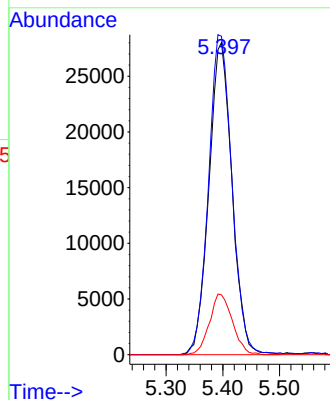
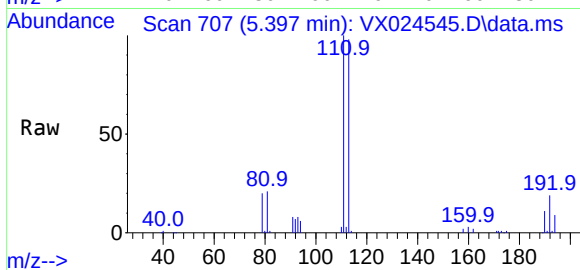


#35
Dibromofluoromethane
Concen: 46.110 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024545.D
Acq: 05 Oct 2021 02:08

Instrument :
MSVOA_X
ClientSampleId :
PB139556ZHE#02

Tgt Ion:113 Resp: 79173

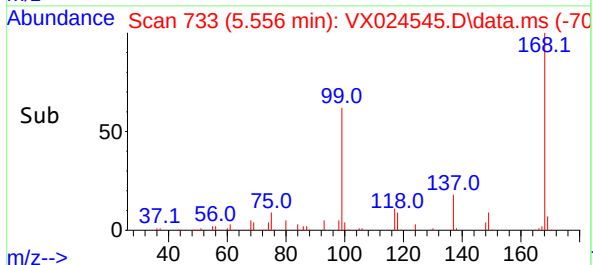
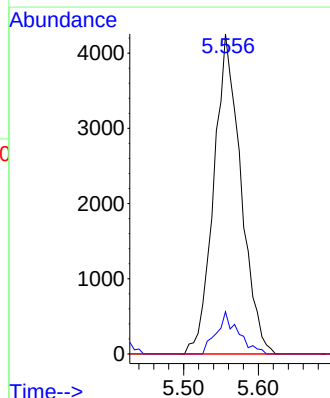
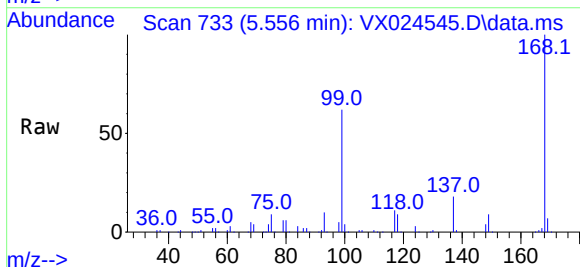
Ion	Ratio	Lower	Upper
113	100		
111	104.1	81.9	122.9
192	19.3	16.7	25.1

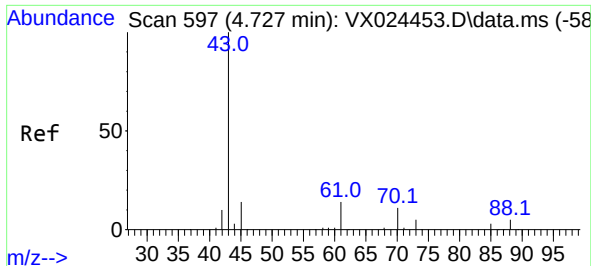


#36
1,1-Dichloropropene
Concen: 4.318 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX024545.D
Acq: 05 Oct 2021 02:08

Tgt Ion: 75 Resp: 10698

Ion	Ratio	Lower	Upper
75	100		
110	10.6	18.1	54.4#
77	0.0	25.3	37.9#





#37

Ethyl Acetate

Concen: 4.179 ug/l

RT: 4.574 min Scan# 572

Delta R.T. -0.153 min

Lab File: VX024545.D

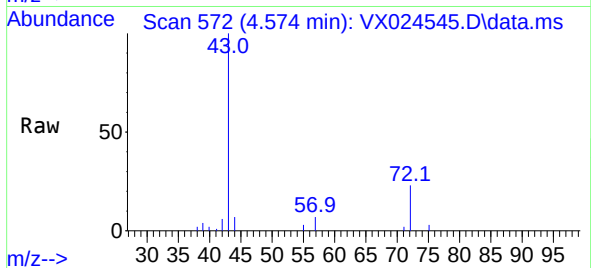
Acq: 05 Oct 2021 02:08

Instrument :

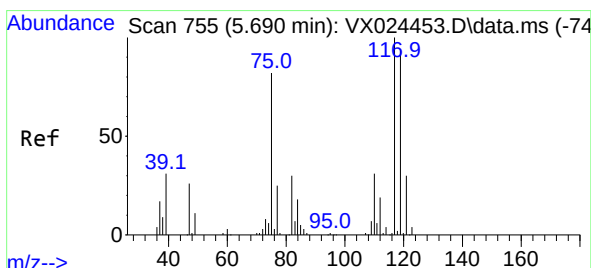
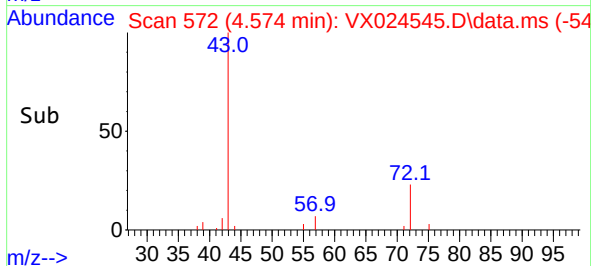
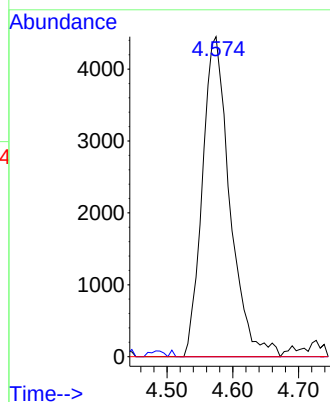
MSVOA_X

ClientSampleId :

PB139556ZHE#02



Tgt Ion:	43	Resp:	12927
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	0.0	10.5	15.7#



#38

Carbon Tetrachloride

Concen: 5.217 ug/l

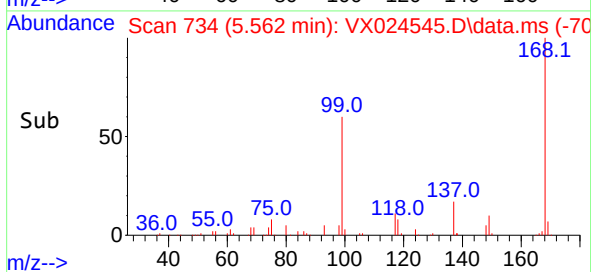
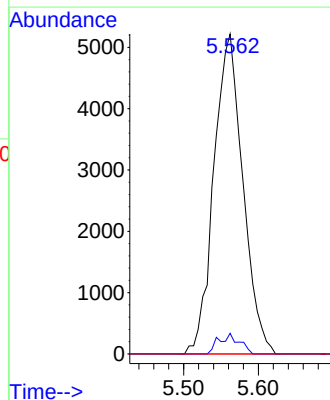
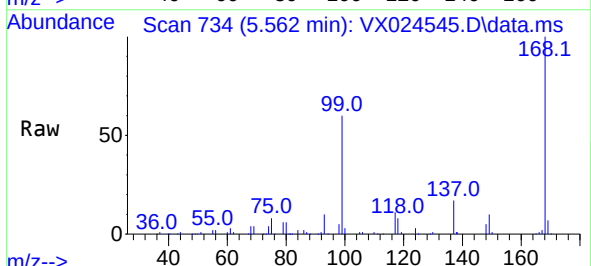
RT: 5.562 min Scan# 734

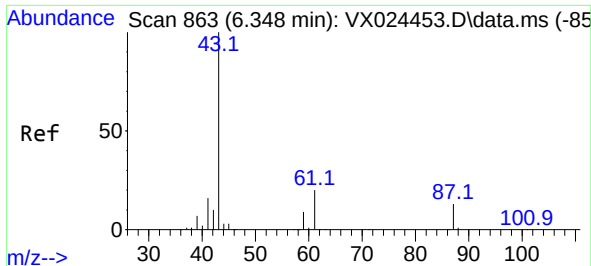
Delta R.T. -0.128 min

Lab File: VX024545.D

Acq: 05 Oct 2021 02:08

Tgt Ion:	117	Resp:	14072
Ion	Ratio	Lower	Upper
117	100		
119	6.5	76.2	114.2#
121	0.0	24.8	37.2#

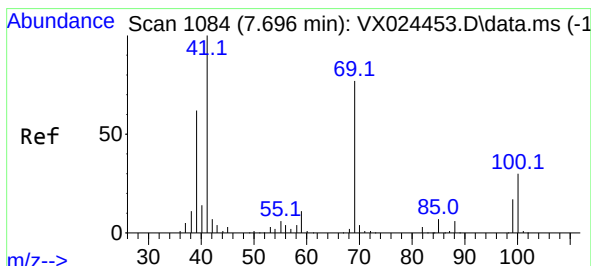
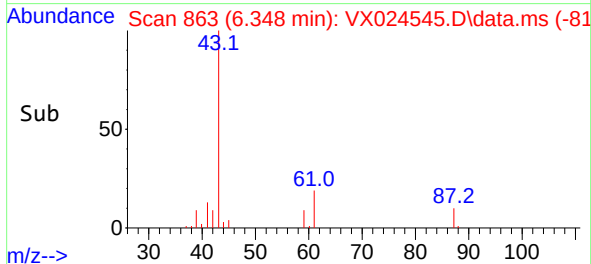
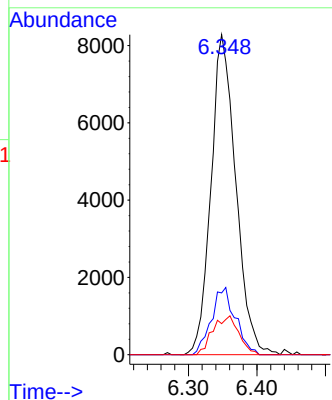
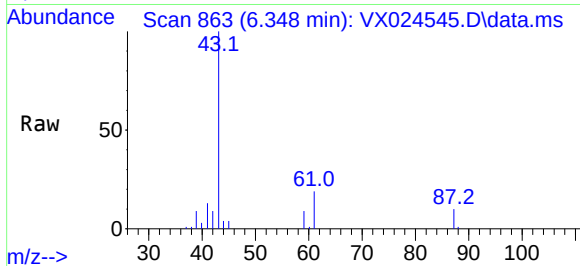




#43
Isopropyl Acetate
Concen: 4.431 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX024545.D
Acq: 05 Oct 2021 02:08

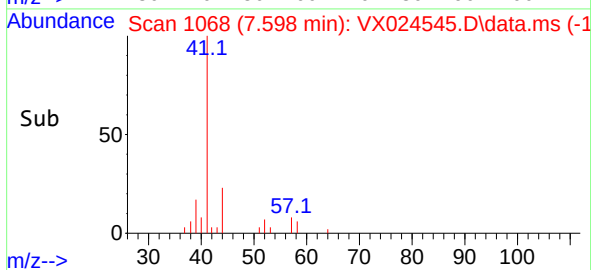
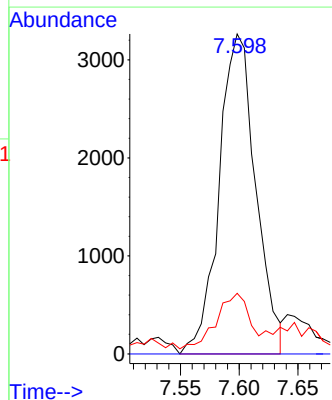
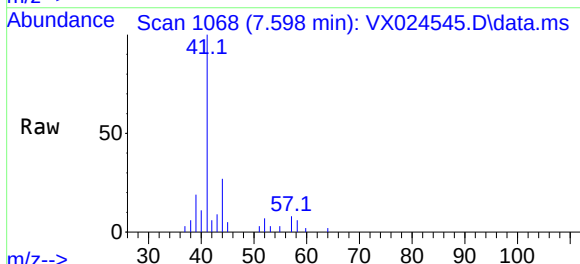
Instrument :
MSVOA_X
ClientSampleId :
PB139556ZHE#02

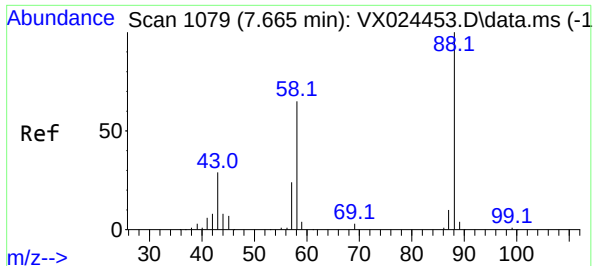
Tgt Ion:	43	Resp:	20840
Ion	Ratio	Lower	Upper
43	100		
61	20.4	18.2	27.4
87	12.6	12.5	18.7



#48
Methyl methacrylate
Concen: 3.039 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX024545.D
Acq: 05 Oct 2021 02:08

Tgt Ion:	41	Resp:	7078
Ion	Ratio	Lower	Upper
41	100		
69	0.0	76.0	114.0#
39	0.0	44.6	67.0#

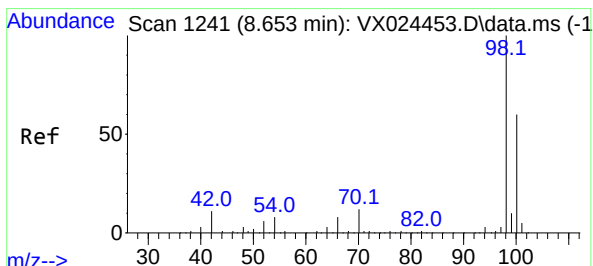
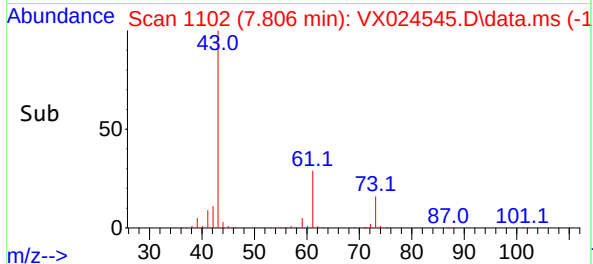
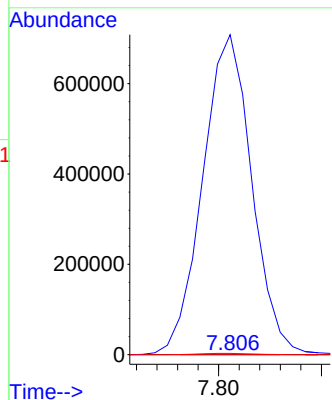
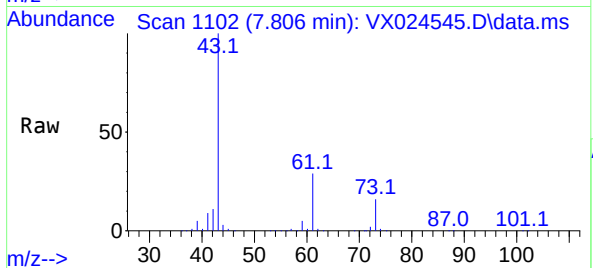




#49
1,4-Dioxane
Concen: 3.806 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.141 min
Lab File: VX024545.D
Acq: 05 Oct 2021 02:08

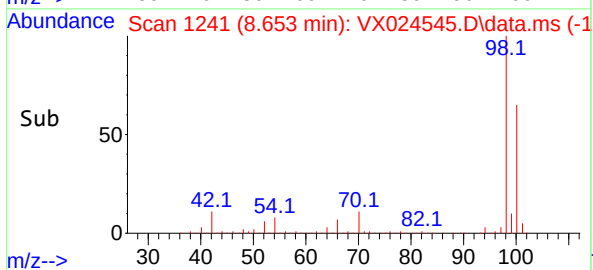
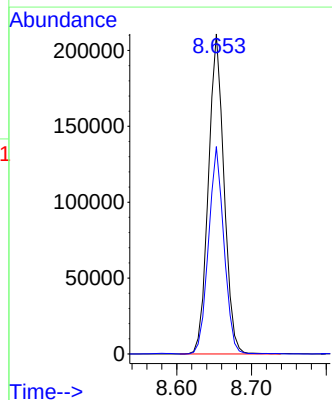
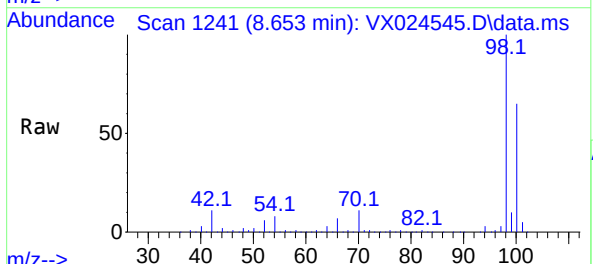
Instrument :
MSVOA_X
ClientSampleId :
PB139556ZHE#02

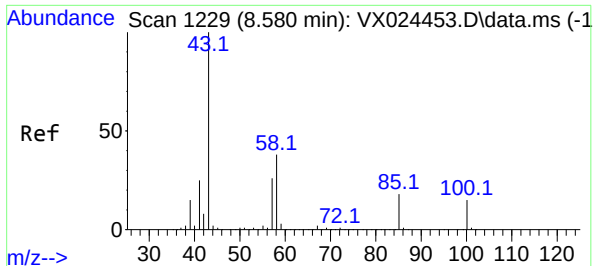
Tgt Ion: 88 Resp: 203
Ion Ratio Lower Upper
88 100
43 583229.6 23.2 34.8#
58 2574.4 55.0 82.4#



#50
Toluene-d8
Concen: 48.366 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024545.D
Acq: 05 Oct 2021 02:08

Tgt Ion: 98 Resp: 305658
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9

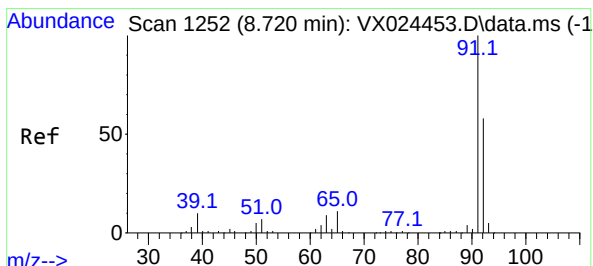
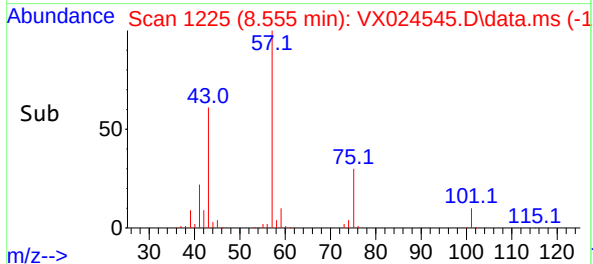
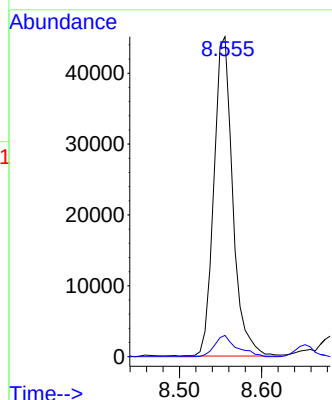
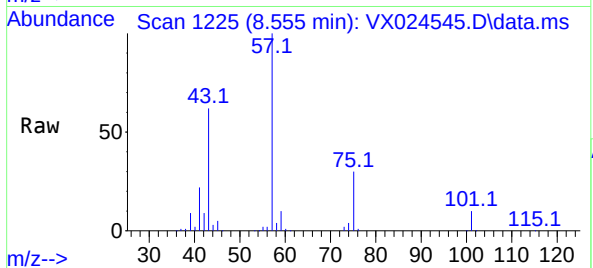




#51
4-Methyl-2-Pentanone
Concen: 23.103 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX024545.D
Acq: 05 Oct 2021 02:08

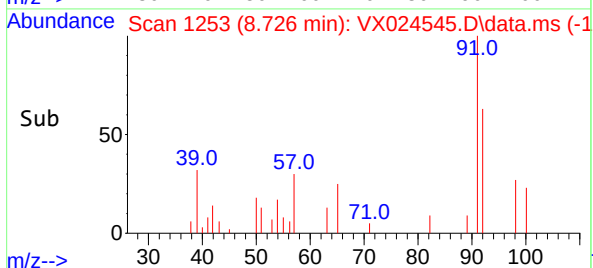
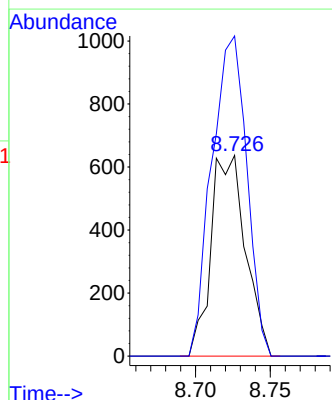
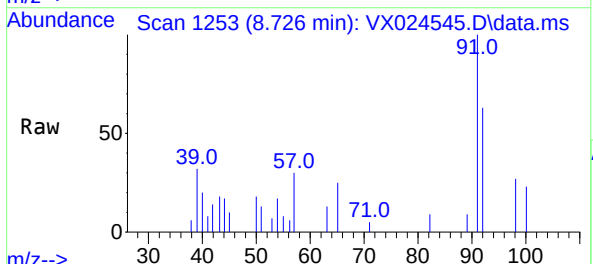
Instrument :
MSVOA_X
ClientSampleId :
PB139556ZHE#02

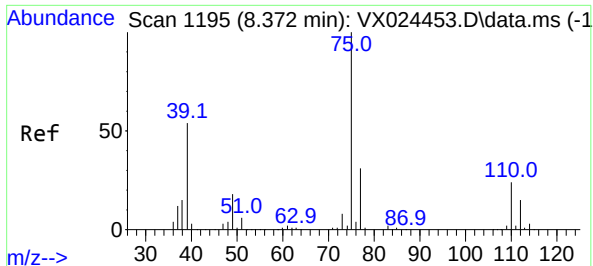
Tgt Ion: 43 Resp: 71732
Ion Ratio Lower Upper
43 100
58 7.8 35.4 53.0#



#52
Toluene
Concen: 0.224 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX024545.D
Acq: 05 Oct 2021 02:08

Tgt Ion: 92 Resp: 1023
Ion Ratio Lower Upper
92 100
91 162.0 137.1 205.7

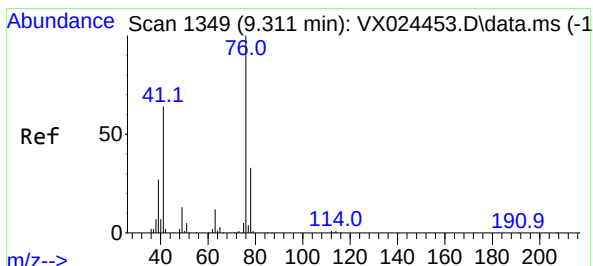
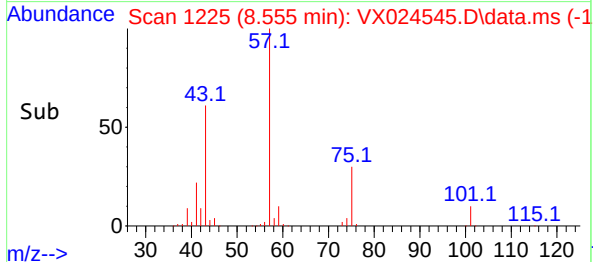
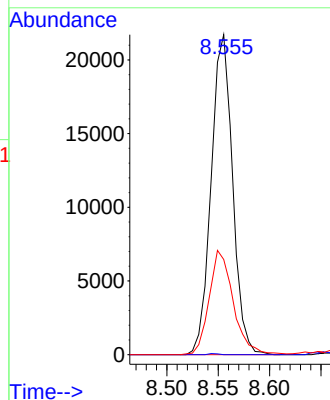
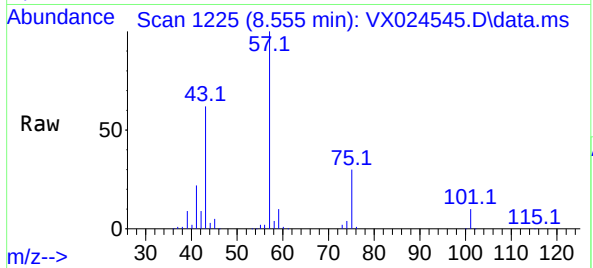




#54
cis-1,3-Dichloropropene
Concen: 10.857 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX024545.D
Acq: 05 Oct 2021 02:08

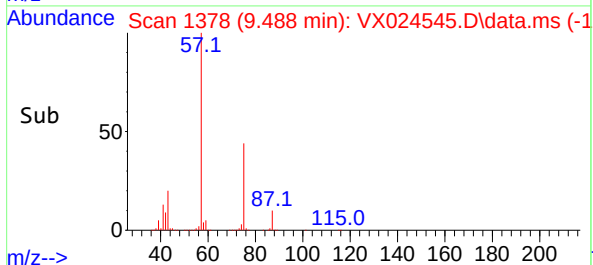
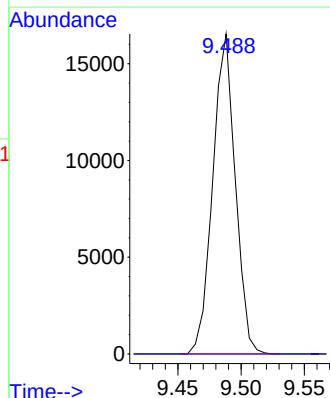
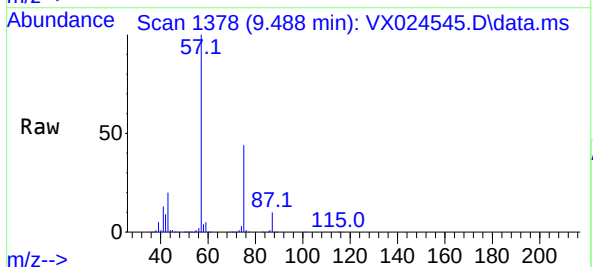
Instrument :
MSVOA_X
ClientSampleId :
PB139556ZHE#02

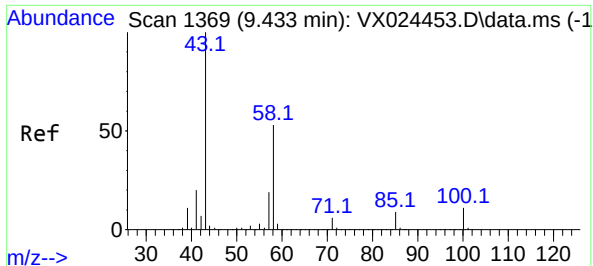
Tgt Ion: 75 Resp: 31434
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#
39 29.8 35.1 52.7#



#57
1,3-Dichloropropane
Concen: 6.404 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX024545.D
Acq: 05 Oct 2021 02:08

Tgt Ion: 76 Resp: 20449
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

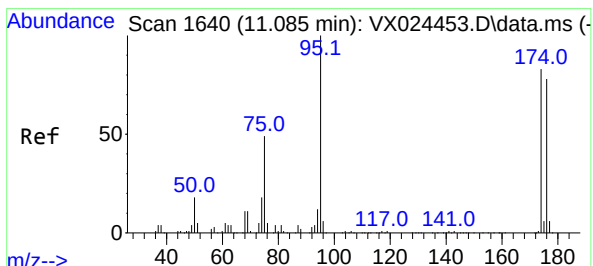
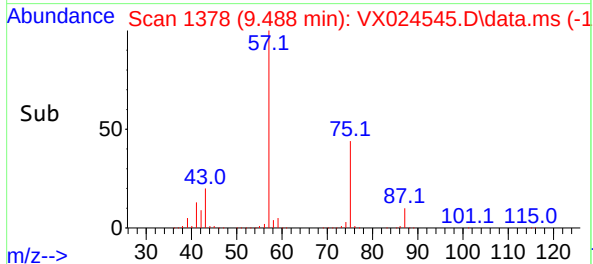
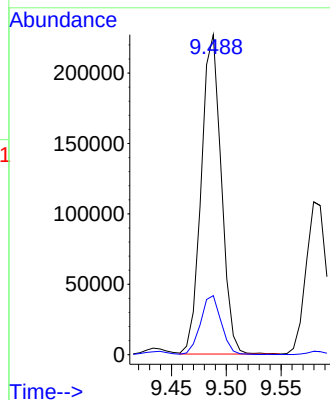
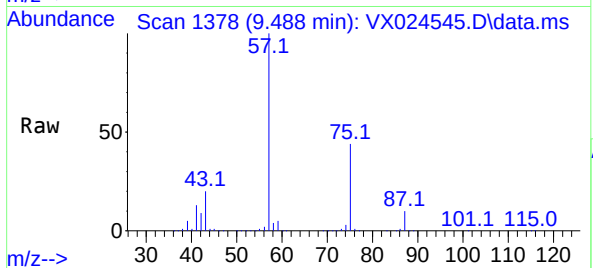




#59
2-Hexanone
Concen: 118.005 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX024545.D
Acq: 05 Oct 2021 02:08

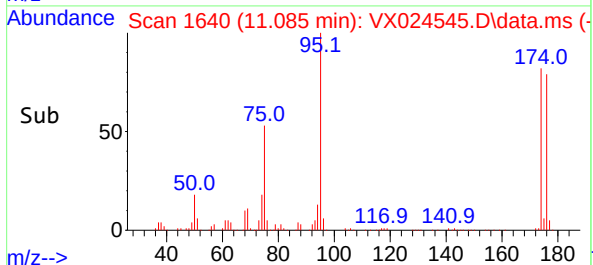
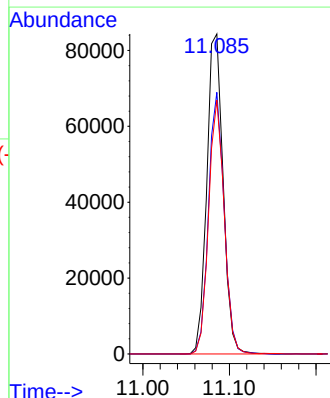
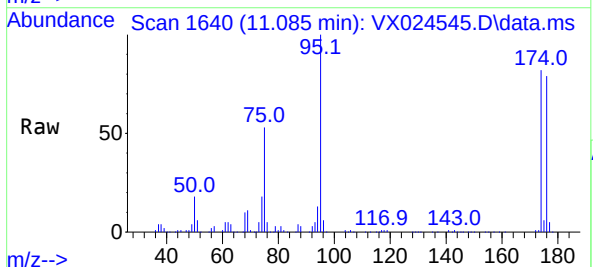
Instrument :
MSVOA_X
ClientSampleId :
PB139556ZHE#02

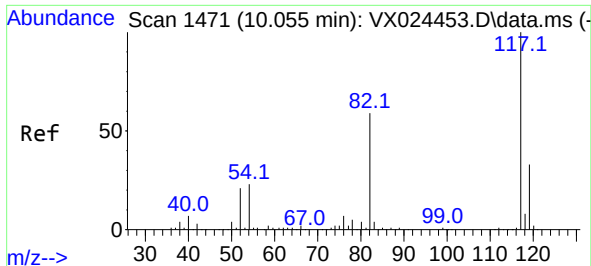
Tgt Ion: 43 Resp: 288539
Ion Ratio Lower Upper
43 100
58 19.2 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 44.421 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024545.D
Acq: 05 Oct 2021 02:08

Tgt Ion: 95 Resp: 110378
Ion Ratio Lower Upper
95 100
174 78.4 0.0 154.6
176 75.9 0.0 155.8

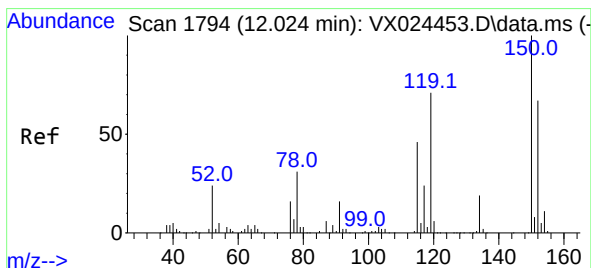
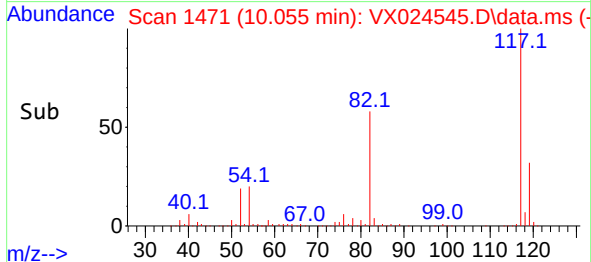
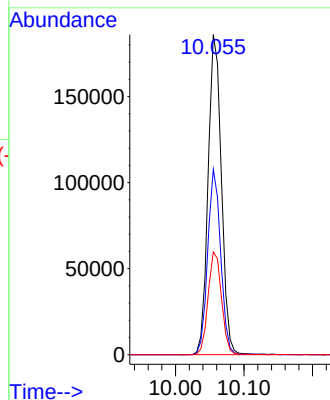
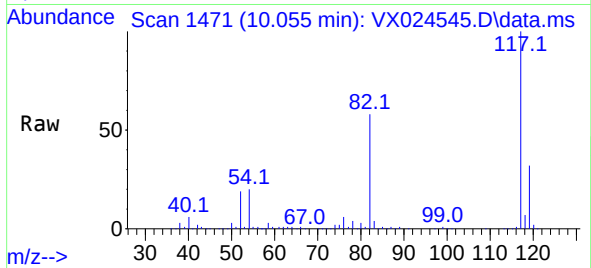




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024545.D
Acq: 05 Oct 2021 02:08

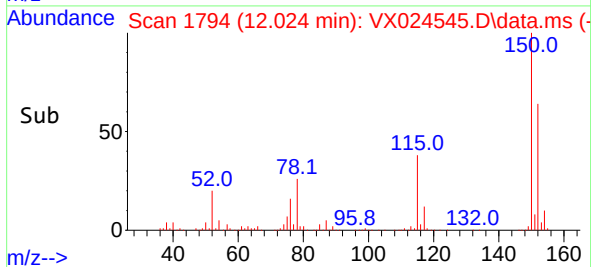
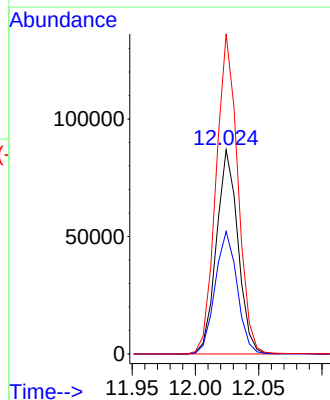
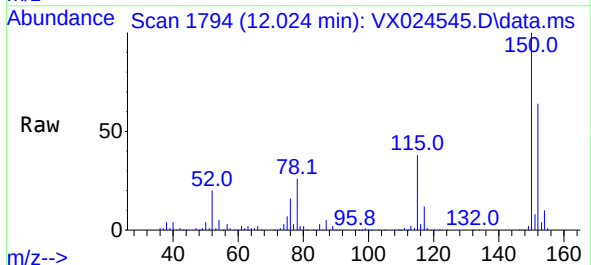
Instrument :
MSVOA_X
ClientSampleId :
PB139556ZHE#02

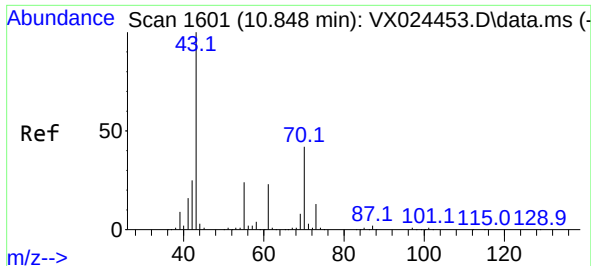
Tgt Ion:117 Resp: 251147
Ion Ratio Lower Upper
117 100
82 57.9 47.4 71.2
119 32.1 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024545.D
Acq: 05 Oct 2021 02:08

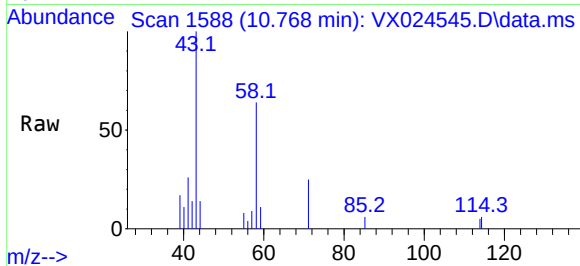
Tgt Ion:152 Resp: 102766
Ion Ratio Lower Upper
152 100
115 61.4 41.1 123.3
150 158.2 0.0 349.0





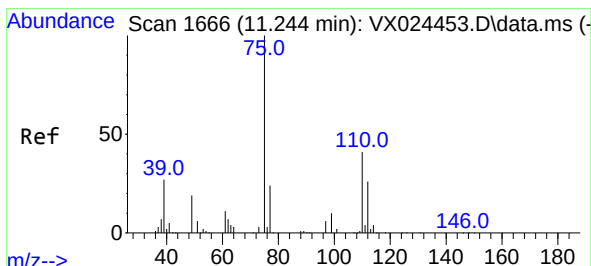
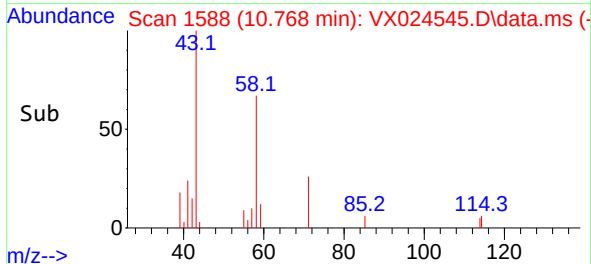
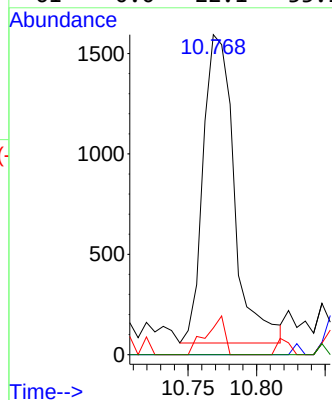
#74
N-amy1 acetate
Concen: 0.726 ug/l
RT: 10.768 min Scan# 1588
Delta R.T. -0.080 min
Lab File: VX024545.D
Acq: 05 Oct 2021 02:08

Instrument :
MSVOA_X
ClientSampleId :
PB139556ZHE#02



Tgt Ion: 43 Resp: 2426

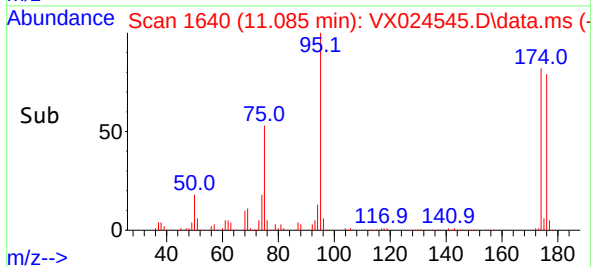
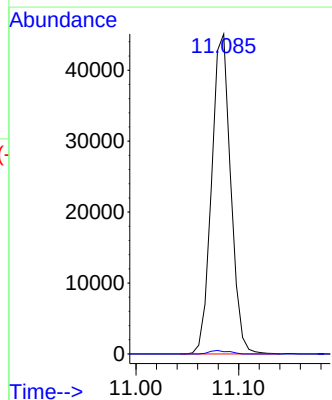
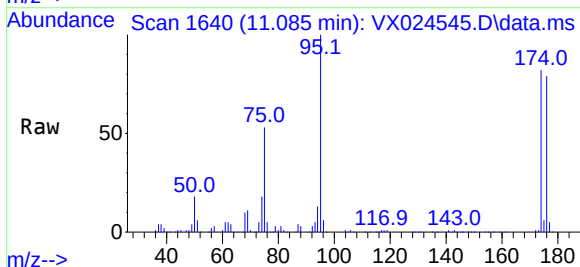
Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.0	58.6#
55	7.5	21.5	32.3#
61	0.0	22.1	33.1#

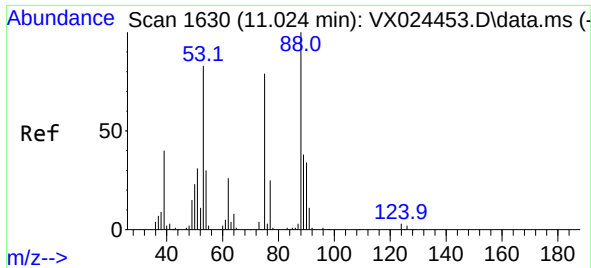


#76
1,2,3-Trichloropropane
Concen: 24.903 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024545.D
Acq: 05 Oct 2021 02:08

Tgt Ion: 75 Resp: 58118

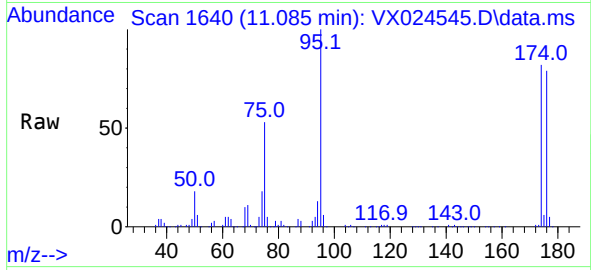
Ion	Ratio	Lower	Upper
75	100		
77	1.1	19.1	57.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 67.917 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024545.D
Acq: 05 Oct 2021 02:08

Instrument :
MSVOA_X
ClientSampleId :
PB139556ZHE#02



Tgt Ion: 75 Resp: 58118
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

