

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052921\
 Data File : VX022274.D
 Acq On : 29 May 2021 00:43
 Operator : JC/MD
 Sample : M2545-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP01-20210526

Quant Time: May 29 04:58:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 19 14:23:10 2021
 Response via : Initial Calibration

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

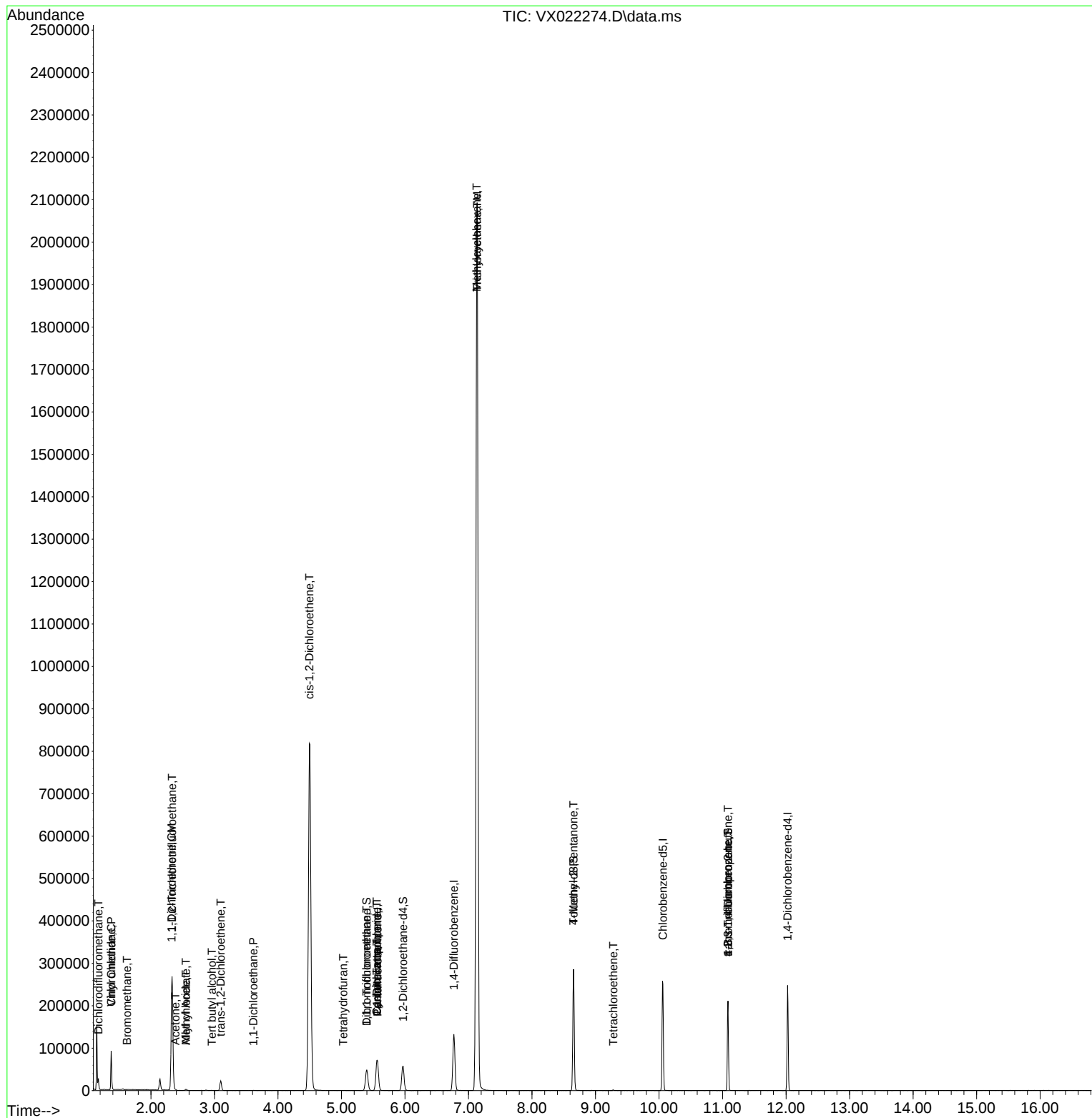
Internal Standards						
1) Pentafluorobenzene	5.568	168	63513	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	132270	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	114833	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	45487	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	52288	53.37	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	106.74%
35) Dibromofluoromethane	5.397	113	40997	48.88	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.76%
50) Toluene-d8	8.653	98	161595	50.01	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.02%
62) 4-Bromofluorobenzene	11.085	95	55990	46.88	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.76%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	12019	15.57	ug/l	96
3) Chloromethane	1.374	50	332	0.40	ug/l #	42
4) Vinyl Chloride	1.374	62	48370	54.88	ug/l	99
5) Bromomethane	1.624	94	164	0.32	ug/l #	67
9) 1,1,2-Trichlorotrifluo...	2.331	101	102971	136.85	ug/l	91
11) Tert butyl alcohol	2.959	59	270	1.20	ug/l #	73
12) 1,1-Dichloroethene	2.325	96	6669	9.16	ug/l	92
14) Allyl chloride	2.550	41	340	0.25	ug/l #	24
16) Acetone	2.386	43	1554	3.64	ug/l	89
18) Methyl Acetate	2.550	43	813	0.72	ug/l #	47
21) trans-1,2-Dichloroethene	3.099	96	8656	10.93	ug/l	98
24) 1,1-Dichloroethane	3.611	63	750	0.50	ug/l #	81
27) cis-1,2-Dichloroethene	4.495	96	495194	514.27	ug/l	91
29) Tetrahydrofuran	5.025	42	105	0.26	ug/l #	27
31) Cyclohexane	5.556	56	1670	1.36	ug/l #	1
32) 1,1,1-Trichloroethane	5.397	97	360	0.27	ug/l #	50
36) 1,1-Dichloropropene	5.556	75	6008	4.91	ug/l #	50
38) Carbon Tetrachloride	5.556	117	7145	5.97	ug/l #	15
39) Methylcyclohexane	7.129	83	9734	7.02	ug/l #	1
44) Trichloroethene	7.135	130	750160	802.18	ug/l	94
51) 4-Methyl-2-Pentanone	8.653	43	860	0.59	ug/l #	1
64) Tetrachloroethene	9.281	164	253	0.34	ug/l #	63
76) 1,2,3-Trichloropropane	11.085	75	29475	26.27	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	29475	62.23	ug/l #	12

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

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DUP01-20210526

Quant Time: May 29 04:58:18 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
Quant Title : SW846 8260
QLast Update : Wed May 19 14:23:10 2021
Response via : Initial Calibration

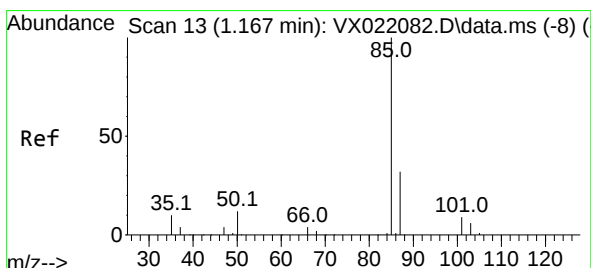
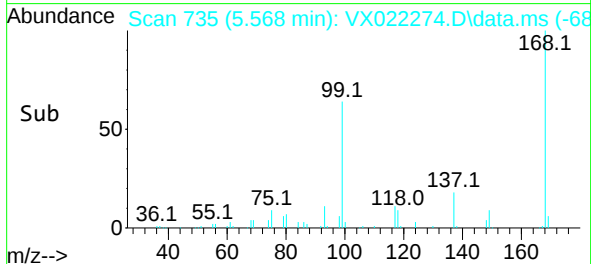
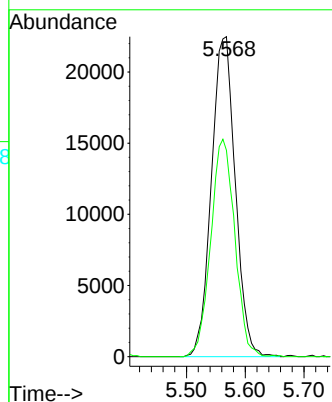
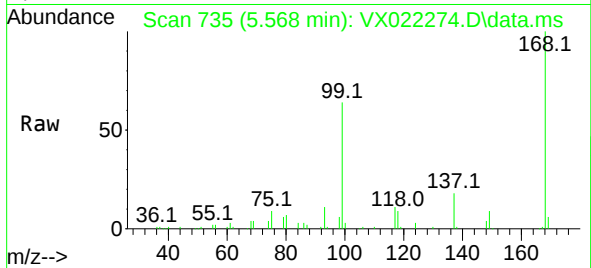




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.006 min
Lab File: VX022274.D
Acq: 29 May 2021 00:43

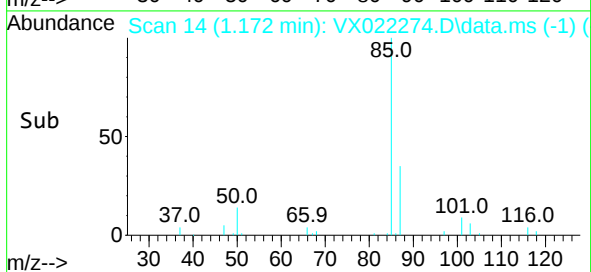
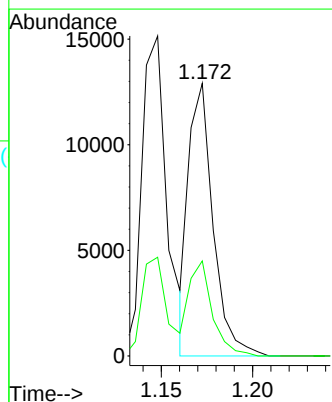
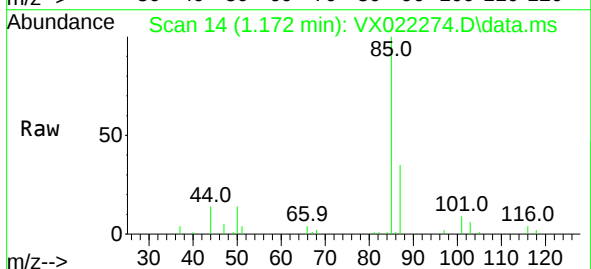
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20210526

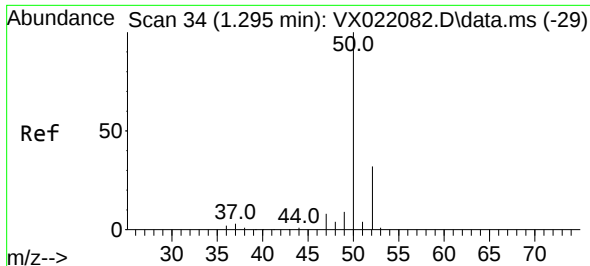
Tgt Ion:168 Resp: 63513
Ion Ratio Lower Upper
168 100
99 64.5 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 15.57 ug/l
RT: 1.172 min Scan# 14
Delta R.T. 0.005 min
Lab File: VX022274.D
Acq: 29 May 2021 00:43

Tgt Ion: 85 Resp: 12019
Ion Ratio Lower Upper
85 100
87 34.9 16.4 49.2

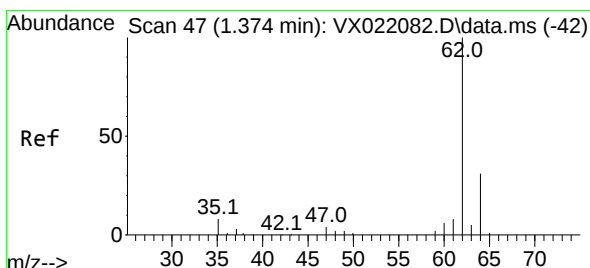
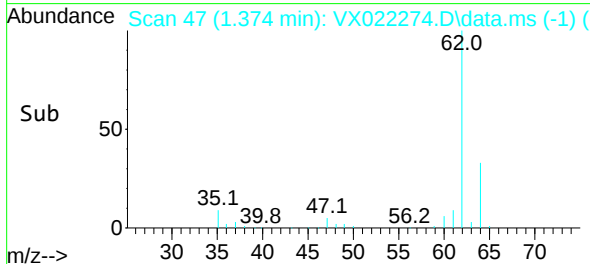
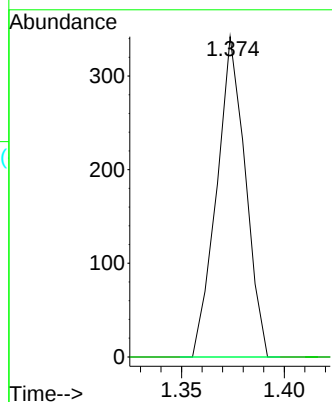
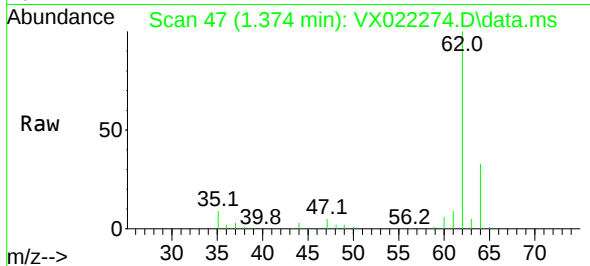




#3
Chloromethane
Concen: 0.40 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.079 min
Lab File: VX022274.D
Acq: 29 May 2021 00:43

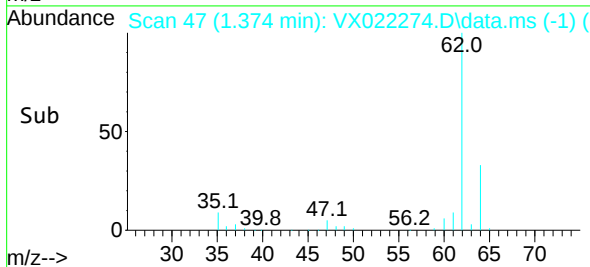
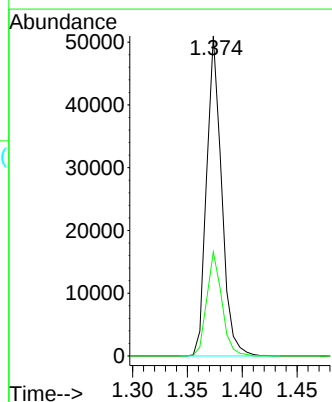
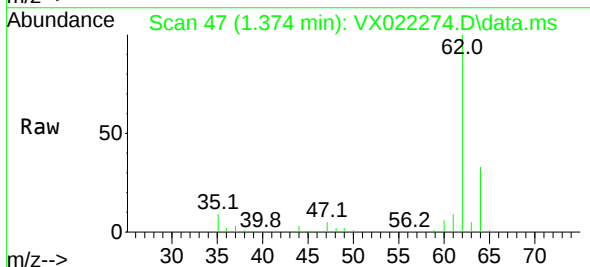
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20210526

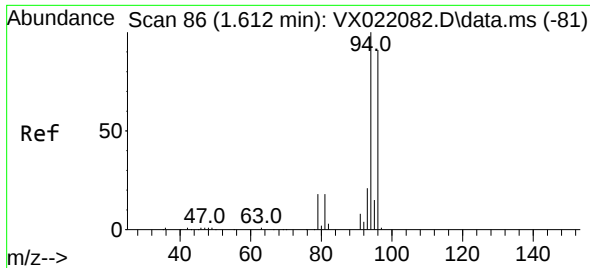
Tgt Ion: 50 Resp: 332
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#



#4
Vinyl Chloride
Concen: 54.88 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX022274.D
Acq: 29 May 2021 00:43

Tgt Ion: 62 Resp: 48370
Ion Ratio Lower Upper
62 100
64 32.5 25.7 38.5

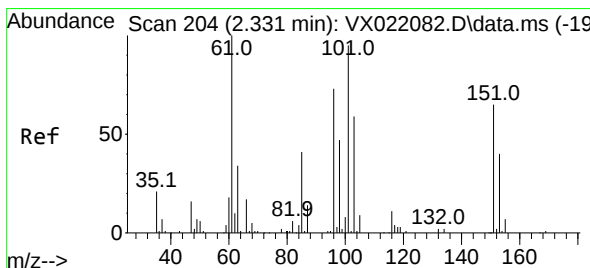
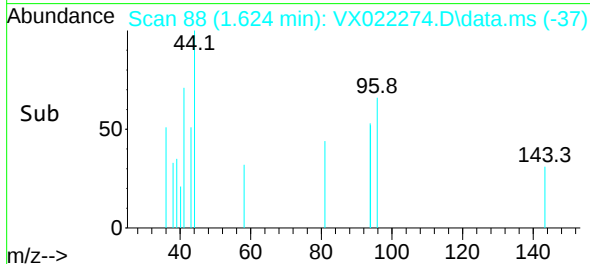
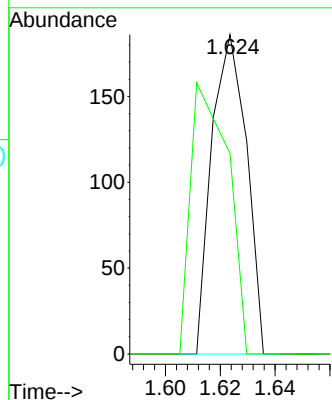
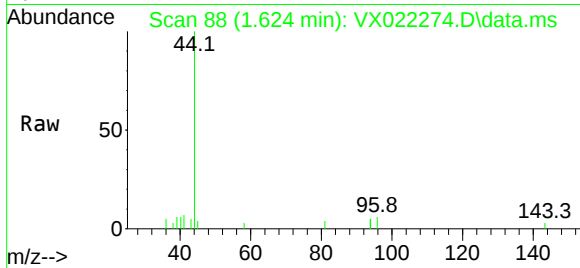




#5
Bromomethane
Concen: 0.32 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.012 min
Lab File: VX022274.D
Acq: 29 May 2021 00:43

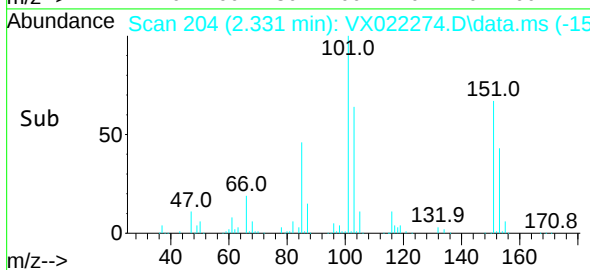
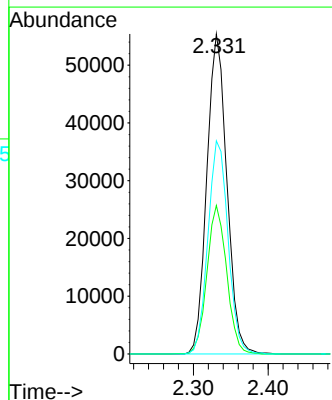
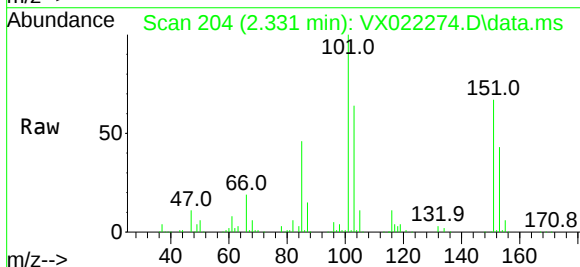
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20210526

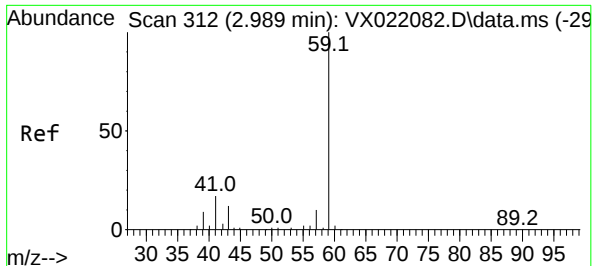
Tgt Ion: 94 Resp: 164
Ion Ratio Lower Upper
94 100
96 62.9 76.4 114.6#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 136.85 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX022274.D
Acq: 29 May 2021 00:43

Tgt Ion: 101 Resp: 102971
Ion Ratio Lower Upper
101 100
85 45.8 34.9 52.3
151 66.9 61.4 92.2



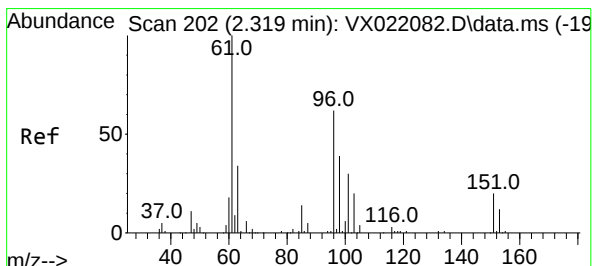
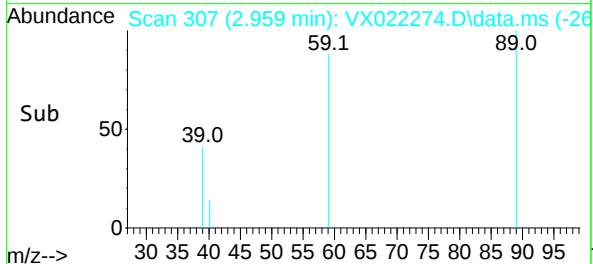
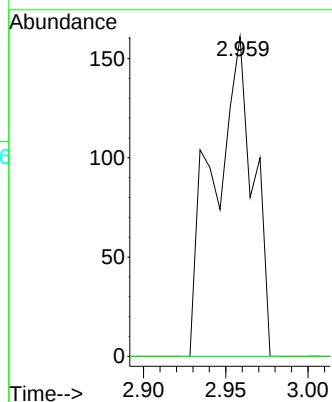
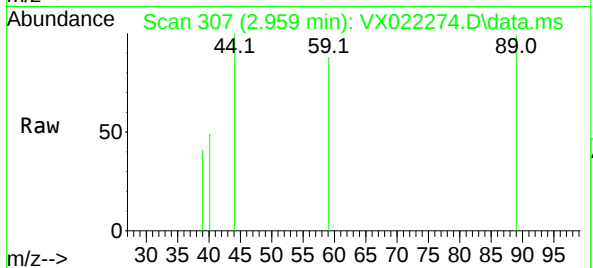


#11

Tert butyl alcohol
Concen: 1.20 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.030 min
Lab File: VX022274.D
Acq: 29 May 2021 00:43

Instrument :
MSVOA_X
ClientSampleId :
DUP01-20210526

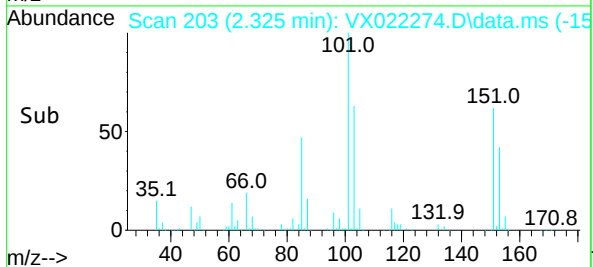
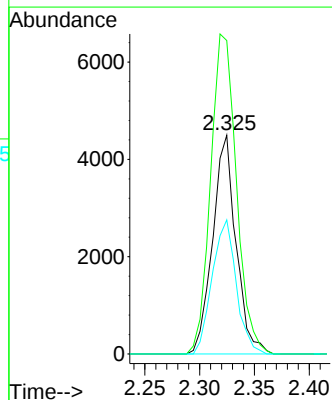
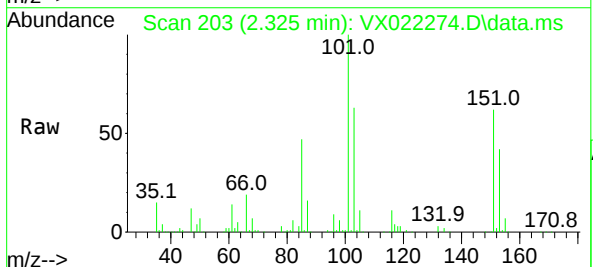
Tgt Ion: 59 Resp: 270
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

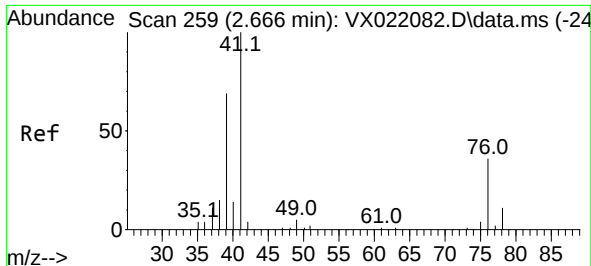


#12

1,1-Dichloroethene
Concen: 9.16 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX022274.D
Acq: 29 May 2021 00:43

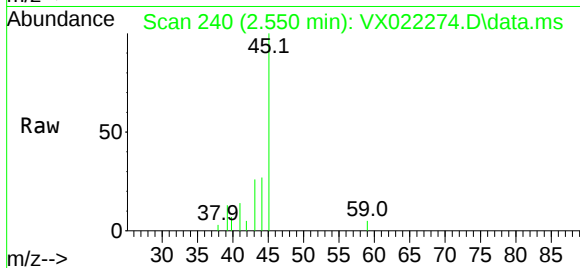
Tgt Ion: 96 Resp: 6669
Ion Ratio Lower Upper
96 100
61 143.3 124.6 187.0
98 61.3 50.6 76.0



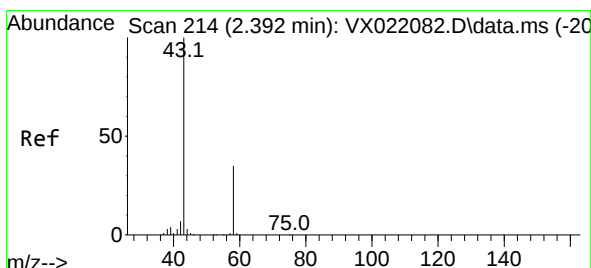
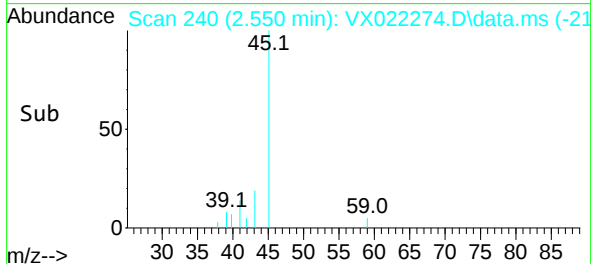
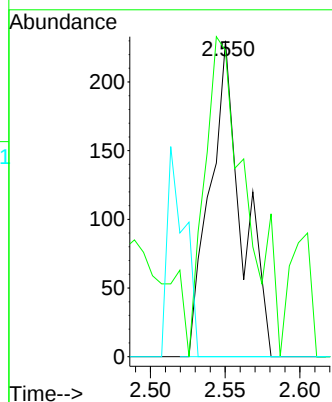


#14
 Allyl chloride
 Concen: 0.25 ug/l
 RT: 2.550 min Scan# 240
 Delta R.T. -0.116 min
 Lab File: VX022274.D
 Acq: 29 May 2021 00:43

Instrument :
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 ClientSampleId :
 DUP01-20210526

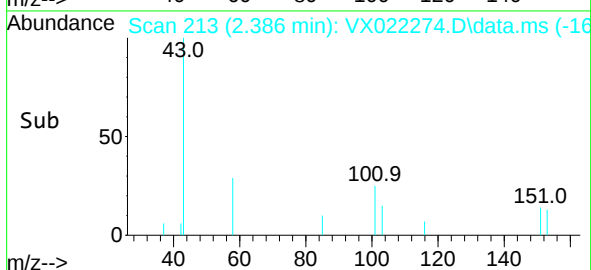
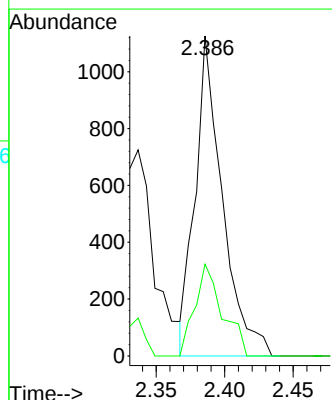
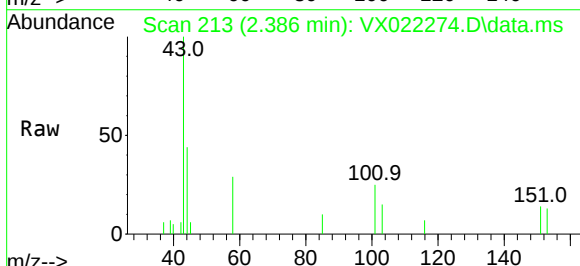


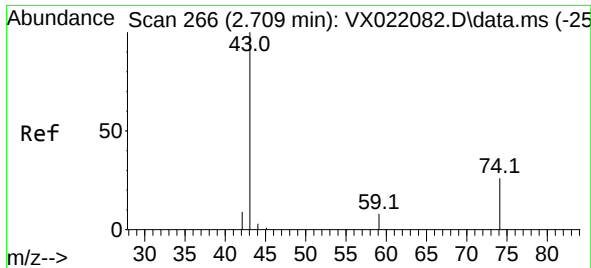
Tgt Ion: 41 Resp: 340
 Ion Ratio Lower Upper
 41 100
 39 130.6 51.6 77.4#
 76 0.0 30.5 45.7#



#16
 Acetone
 Concen: 3.64 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. -0.006 min
 Lab File: VX022274.D
 Acq: 29 May 2021 00:43

Tgt Ion: 43 Resp: 1554
 Ion Ratio Lower Upper
 43 100
 58 28.7 27.8 41.8

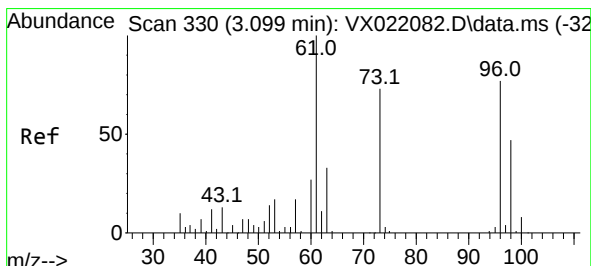
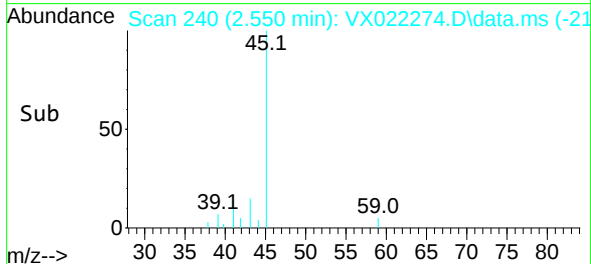
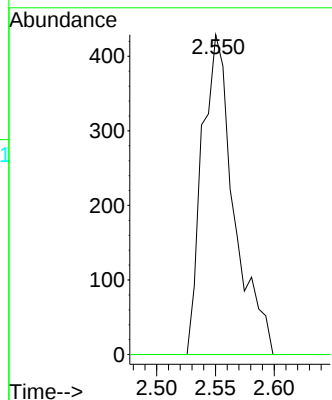
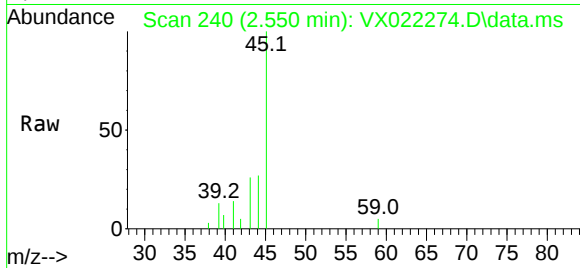




#18
Methyl Acetate
Concen: 0.72 ug/l
RT: 2.550 min Scan# 240
Delta R.T. -0.159 min
Lab File: VX022274.D
Acq: 29 May 2021 00:43

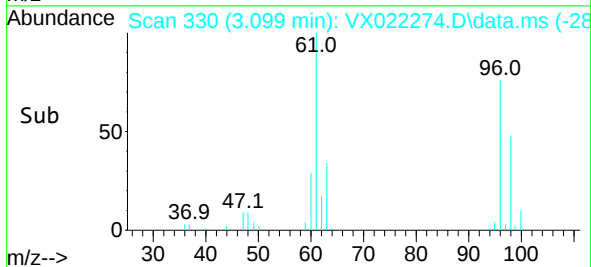
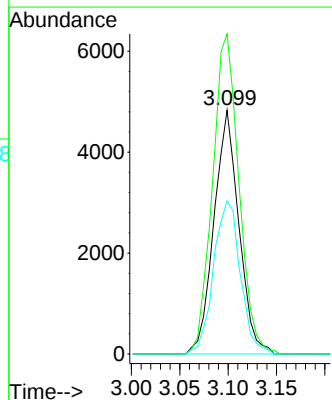
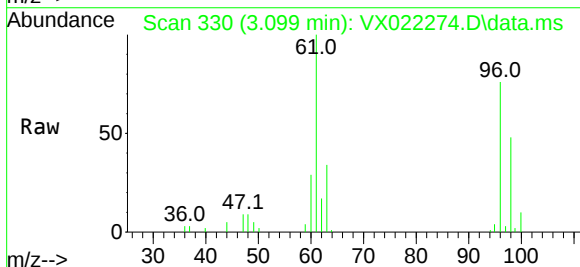
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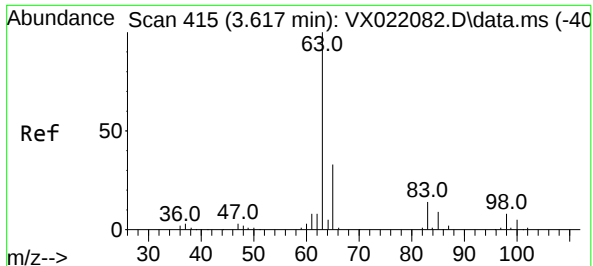
Tgt Ion: 43 Resp: 813
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



#21
trans-1,2-Dichloroethene
Concen: 10.93 ug/l
RT: 3.099 min Scan# 330
Delta R.T. -0.000 min
Lab File: VX022274.D
Acq: 29 May 2021 00:43

Tgt Ion: 96 Resp: 8656
Ion Ratio Lower Upper
96 100
61 131.3 107.7 161.5
98 62.9 50.4 75.6

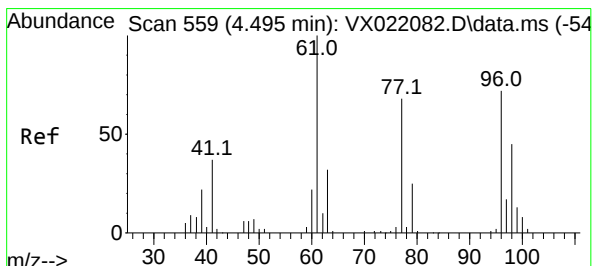
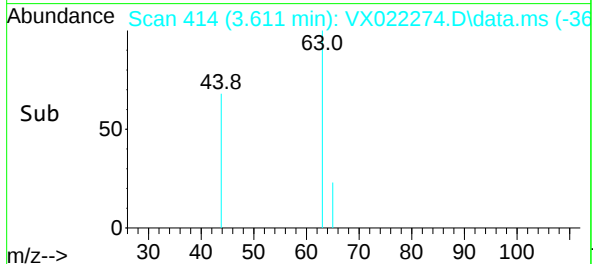
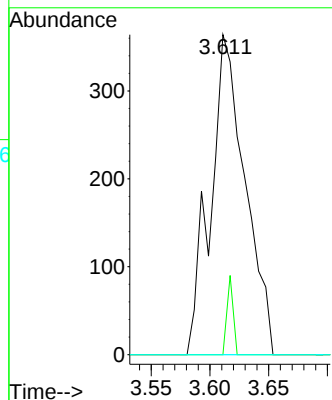
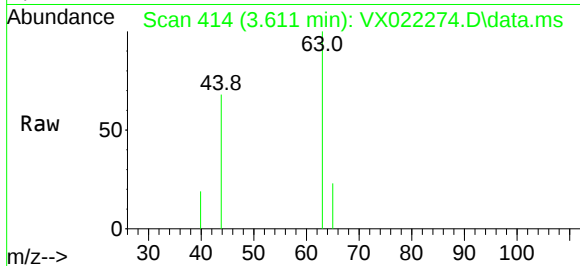




#24
1,1-Dichloroethane
Concen: 0.50 ug/l
RT: 3.611 min Scan# 414
Delta R.T. -0.006 min
Lab File: VX022274.D
Acq: 29 May 2021 00:43

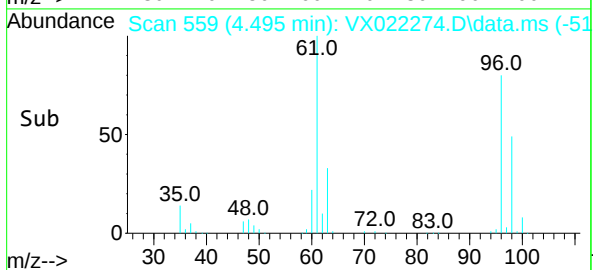
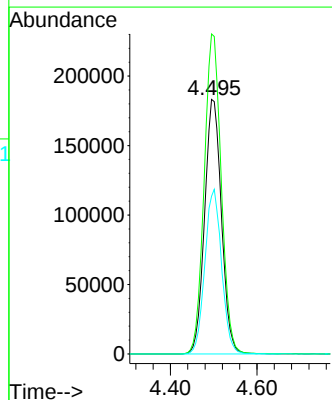
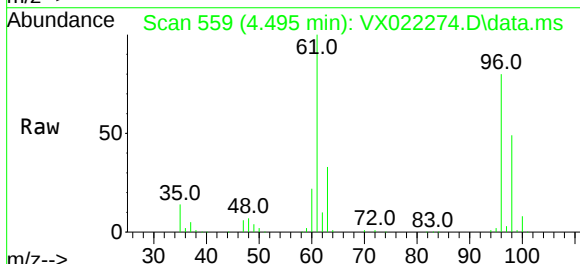
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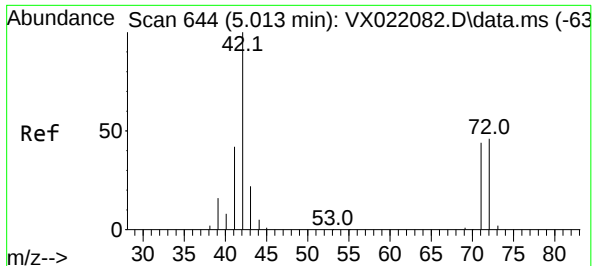
Tgt Ion: 63 Resp: 750
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.5 7.5#



#27
cis-1,2-Dichloroethene
Concen: 514.27 ug/l
RT: 4.495 min Scan# 559
Delta R.T. -0.000 min
Lab File: VX022274.D
Acq: 29 May 2021 00:43

Tgt Ion: 96 Resp: 495194
Ion Ratio Lower Upper
96 100
61 126.9 0.0 285.6
98 64.2 0.0 129.6





#29

Tetrahydrofuran

Concen: 0.26 ug/l

RT: 5.025 min Scan# 646

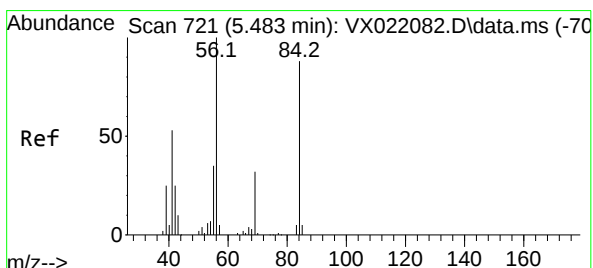
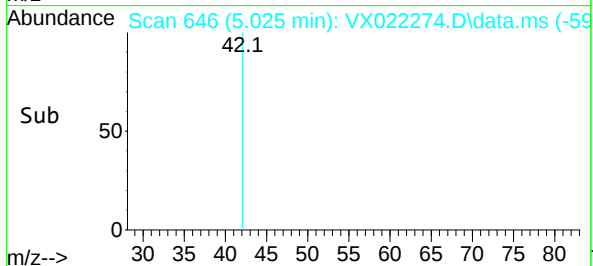
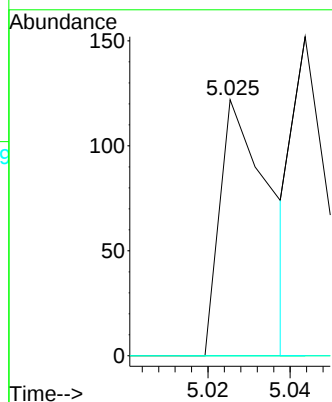
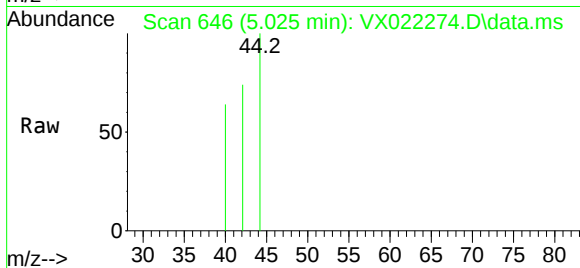
Delta R.T. 0.012 min

Lab File: VX022274.D

Acq: 29 May 2021 00:43

Tgt Ion:	42	Resp:	105
Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	0.0	38.4	57.6#

Instrument :
MSVOA_X
ClientSampleId :
DUP01-20210526



#31

Cyclohexane

Concen: 1.36 ug/l

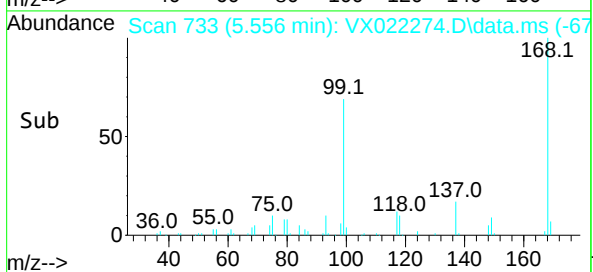
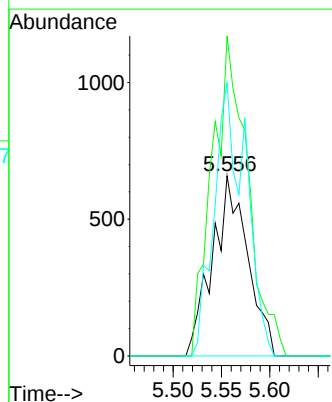
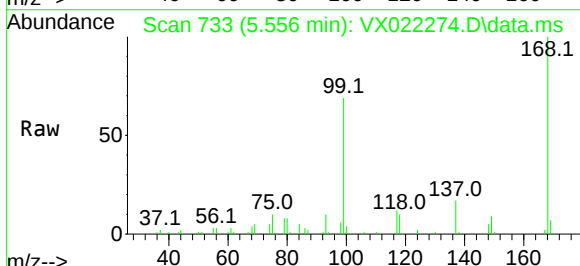
RT: 5.556 min Scan# 733

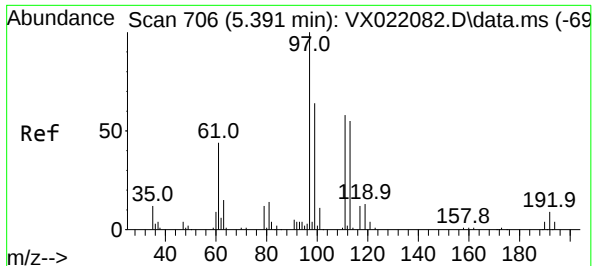
Delta R.T. 0.073 min

Lab File: VX022274.D

Acq: 29 May 2021 00:43

Tgt Ion:	56	Resp:	1670
Ion	Ratio	Lower	Upper
56	100		
69	177.8	25.3	37.9#
84	151.5	71.4	107.0#

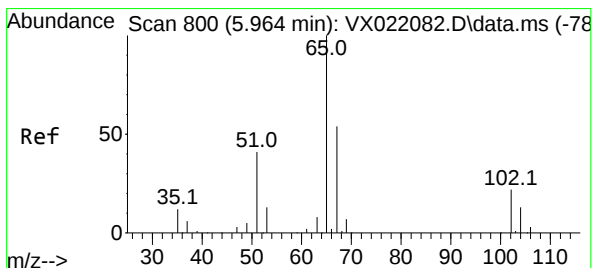
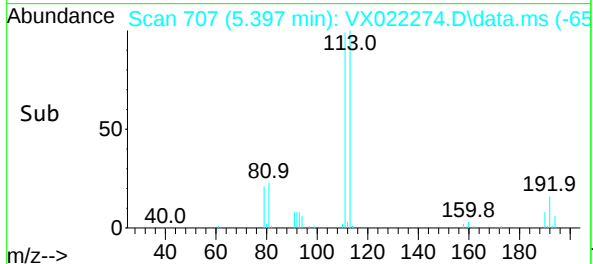
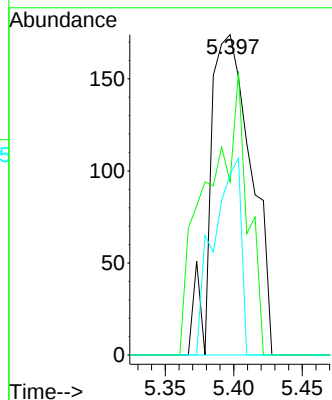
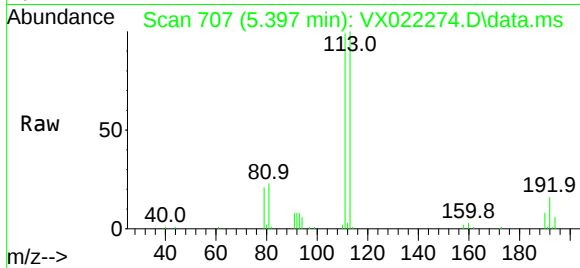




#32
1,1,1-Trichloroethane
Concen: 0.27 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX022274.D
Acq: 29 May 2021 00:43

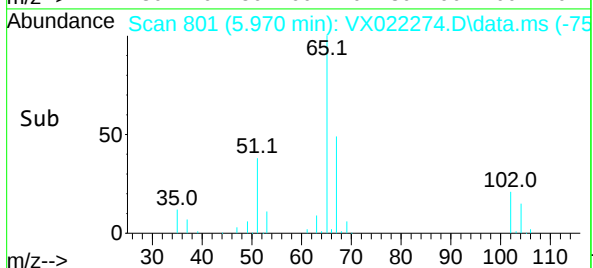
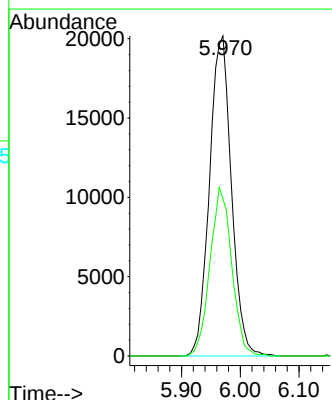
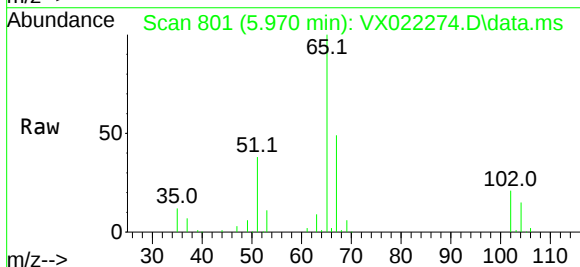
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20210526

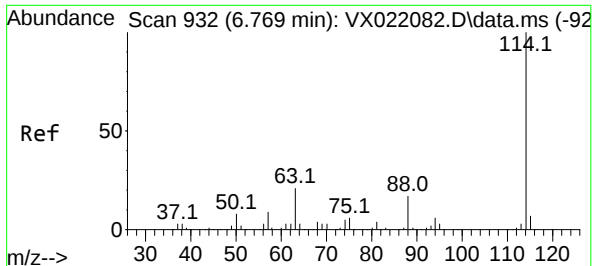
Tgt Ion: 97 Resp: 360
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 41.7 34.2 51.4



#33
1,2-Dichloroethane-d4
Concen: 53.37 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX022274.D
Acq: 29 May 2021 00:43

Tgt Ion: 65 Resp: 52288
Ion Ratio Lower Upper
65 100
67 52.2 0.0 105.4

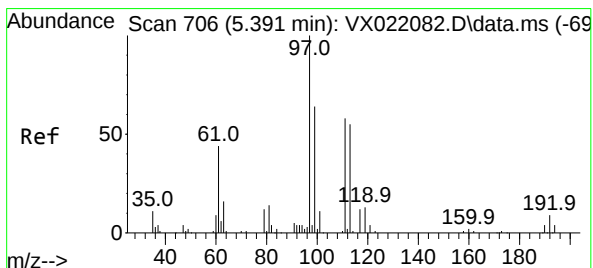
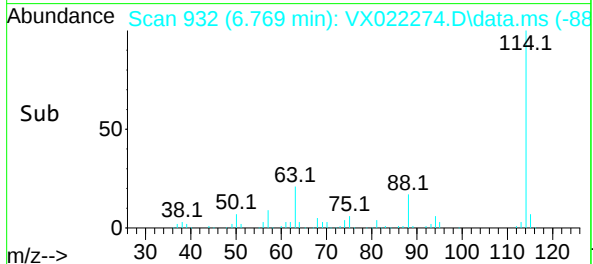
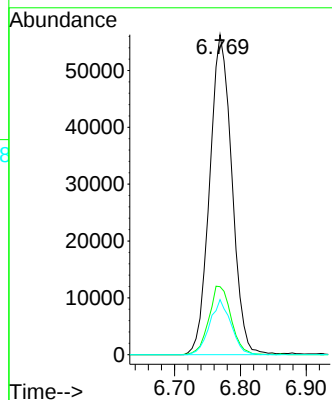
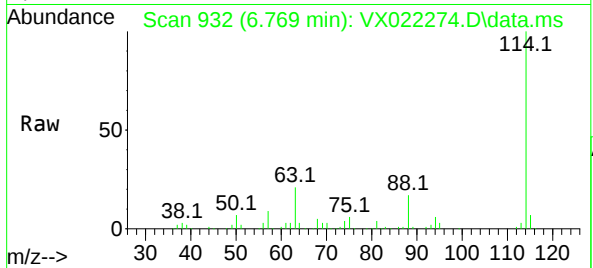




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX022274.D
Acq: 29 May 2021 00:43

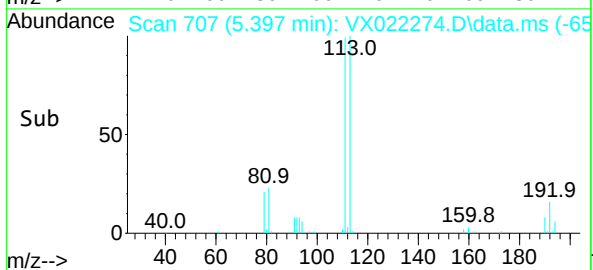
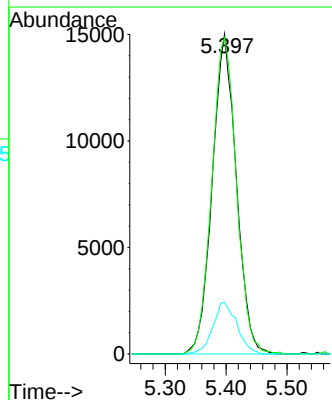
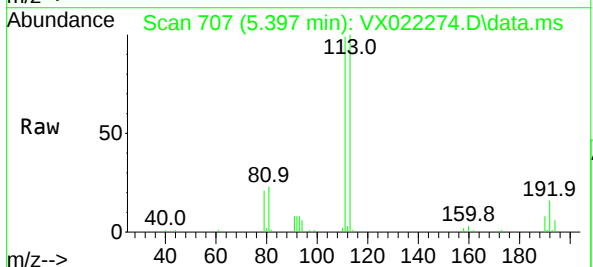
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20210526

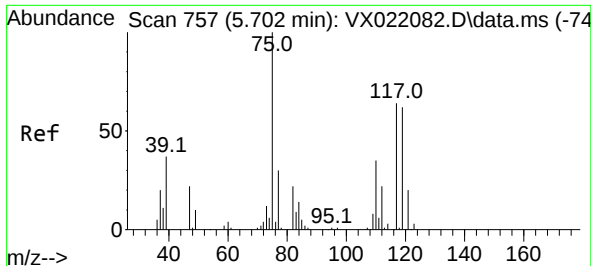
Tgt Ion:114 Resp: 132270
Ion Ratio Lower Upper
114 100
63 21.3 0.0 40.8
88 17.2 0.0 32.8



#35
Dibromofluoromethane
Concen: 48.88 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX022274.D
Acq: 29 May 2021 00:43

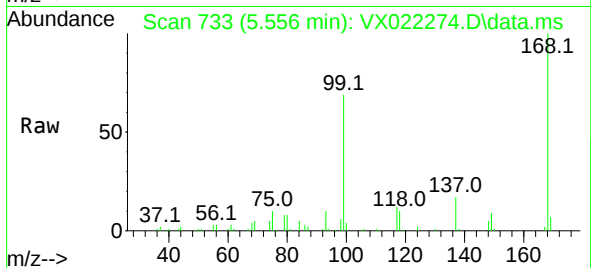
Tgt Ion:113 Resp: 40997
Ion Ratio Lower Upper
113 100
111 101.9 81.9 122.9
192 16.2 16.7 25.1#



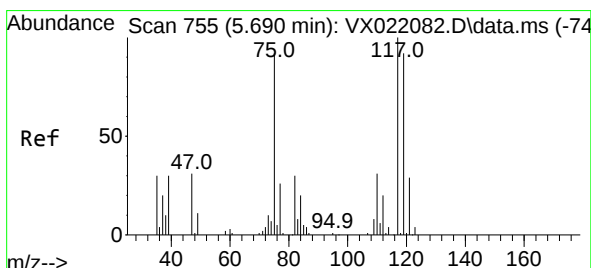
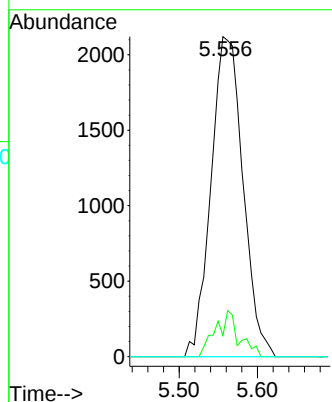
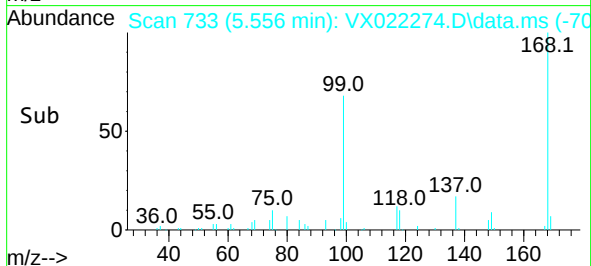


#36
1,1-Dichloropropene
Concen: 4.91 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX022274.D
Acq: 29 May 2021 00:43

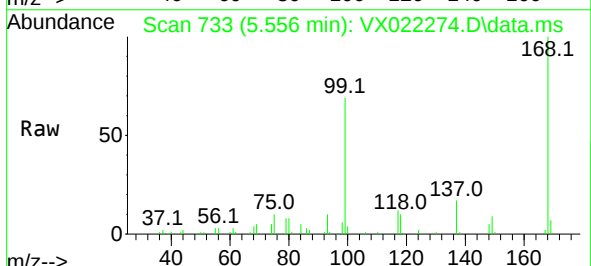
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20210526



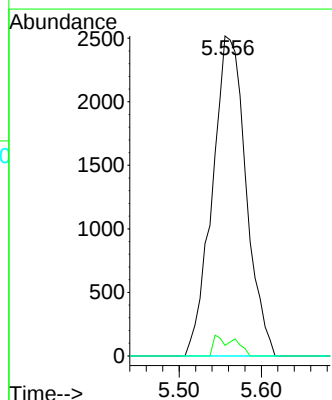
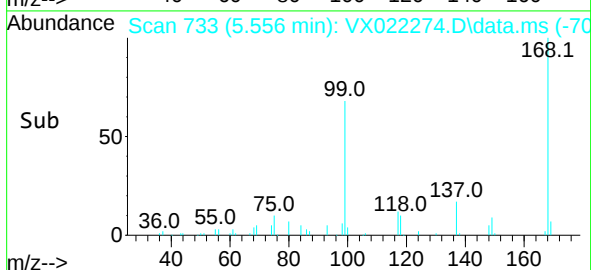
Tgt Ion: 75 Resp: 6008
Ion Ratio Lower Upper
75 100
110 10.5 18.1 54.4#
77 0.0 25.3 37.9#

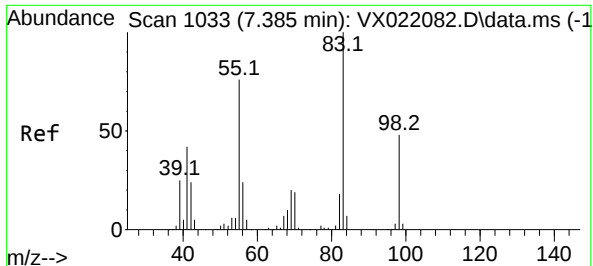


#38
Carbon Tetrachloride
Concen: 5.97 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX022274.D
Acq: 29 May 2021 00:43



Tgt Ion: 117 Resp: 7145
Ion Ratio Lower Upper
117 100
119 3.3 76.2 114.2#
121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: 7.02 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.256 min

Lab File: VX022274.D

Acq: 29 May 2021 00:43

Tgt Ion: 83 Resp: 9734

Ion Ratio Lower Upper

83 100

55 0.0 58.9 88.3#

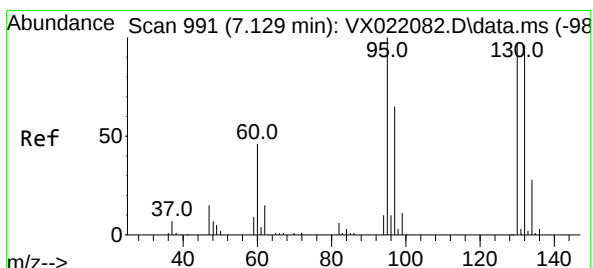
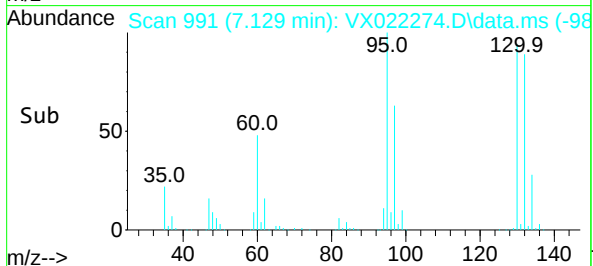
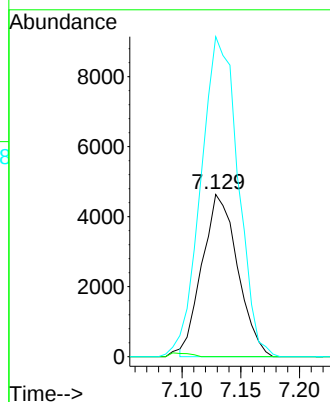
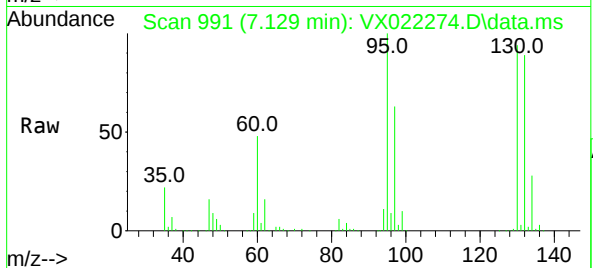
98 197.2 38.1 57.1#

Instrument :

MSVOA_X

ClientSampleId :

DUP01-20210526



#44

Trichloroethene

Concen: 802.18 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.006 min

Lab File: VX022274.D

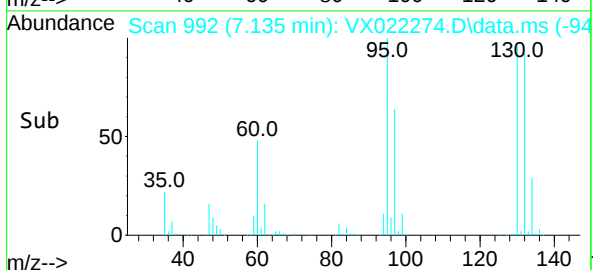
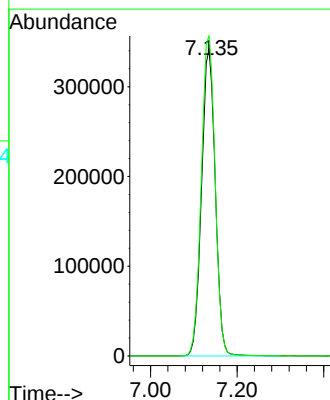
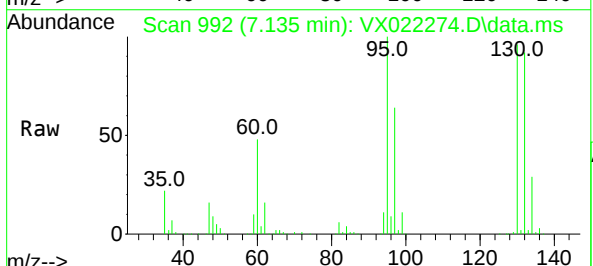
Acq: 29 May 2021 00:43

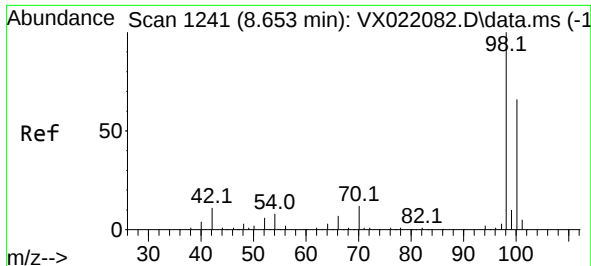
Tgt Ion:130 Resp: 750160

Ion Ratio Lower Upper

130 100

95 104.5 0.0 198.0

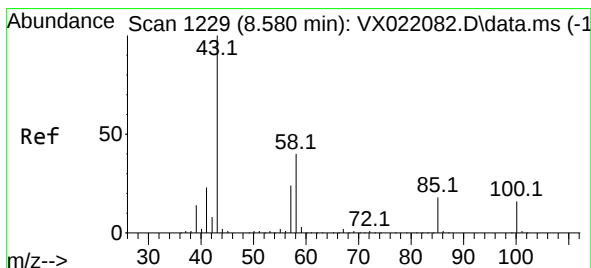
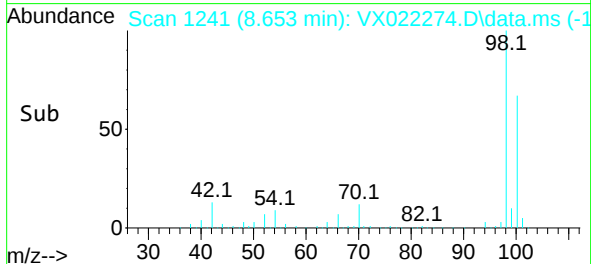
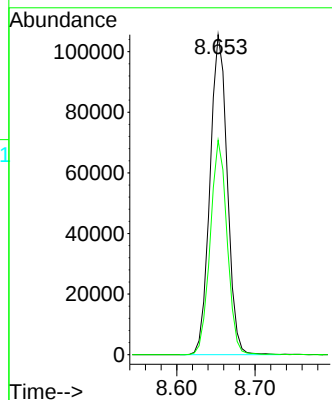
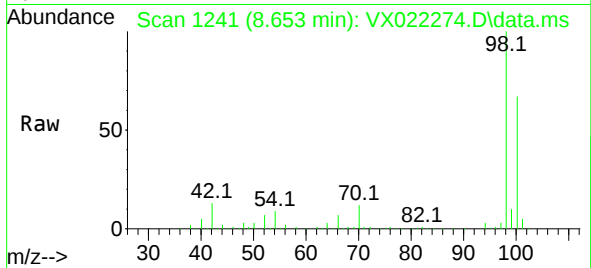




#50
Toluene-d8
Concen: 50.01 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022274.D
Acq: 29 May 2021 00:43

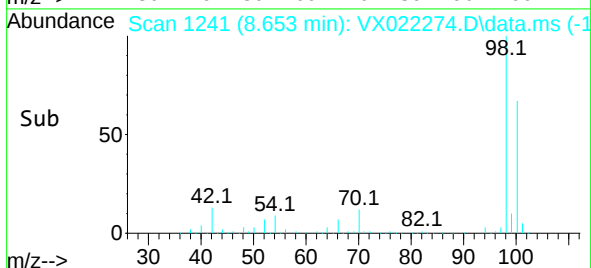
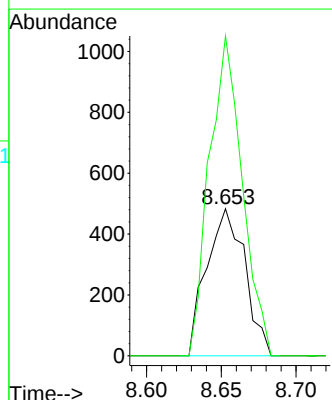
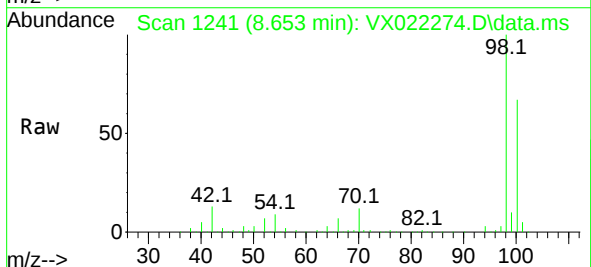
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20210526

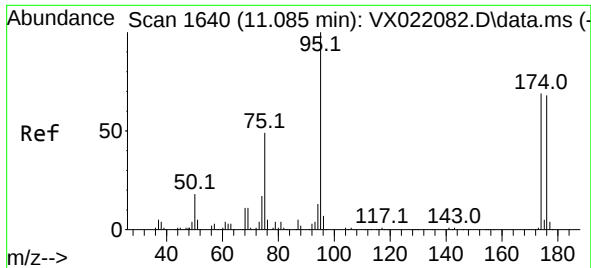
Tgt Ion: 98 Resp: 161595
Ion Ratio Lower Upper
98 100
100 65.5 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.59 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX022274.D
Acq: 29 May 2021 00:43

Tgt Ion: 43 Resp: 860
Ion Ratio Lower Upper
43 100
58 187.4 35.4 53.0#

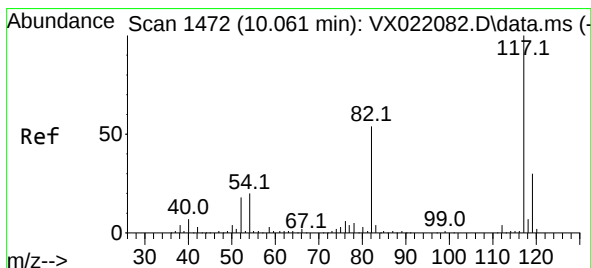
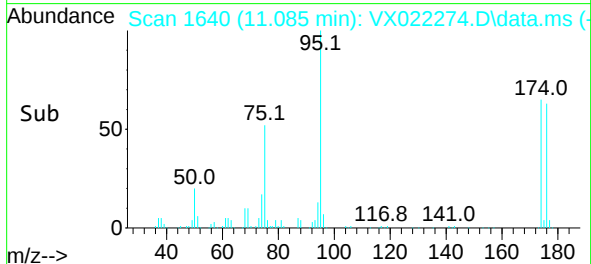
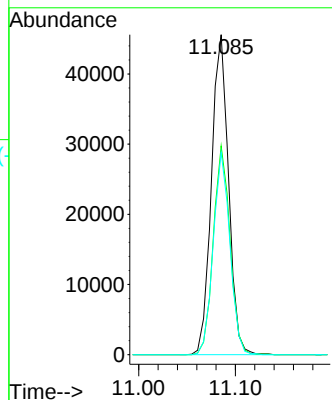
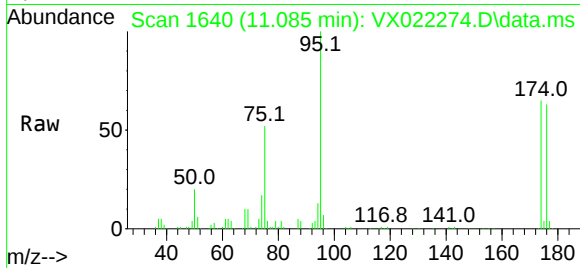




#62
4-Bromofluorobenzene
Concen: 46.88 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022274.D
Acq: 29 May 2021 00:43

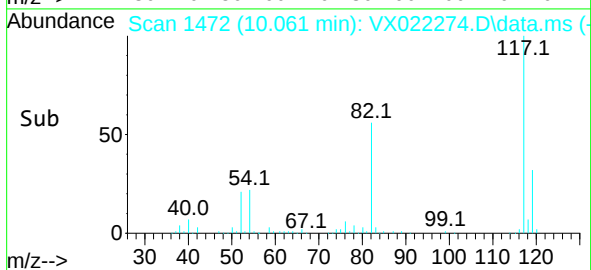
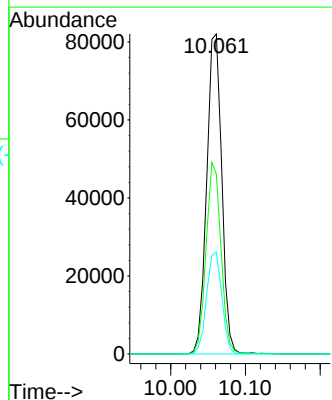
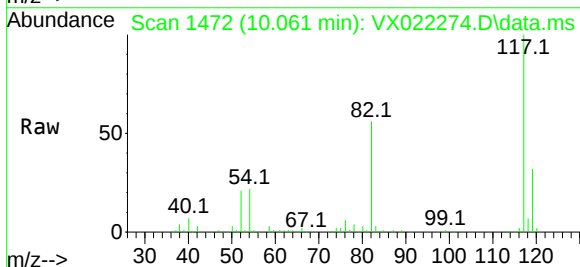
Instrument :
MSVOA_X
ClientSampleId :
DUP01-20210526

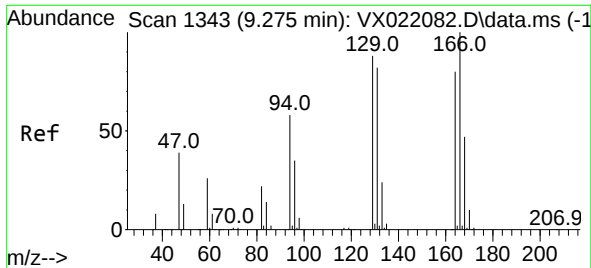
Tgt Ion: 95 Resp: 55990
Ion Ratio Lower Upper
95 100
174 63.9 0.0 154.6
176 61.4 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VX022274.D
Acq: 29 May 2021 00:43

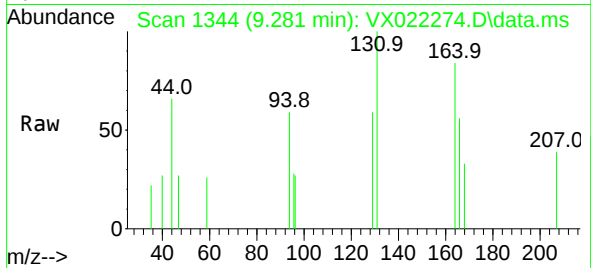
Tgt Ion: 117 Resp: 114833
Ion Ratio Lower Upper
117 100
82 56.2 47.4 71.2
119 31.9 26.6 39.8



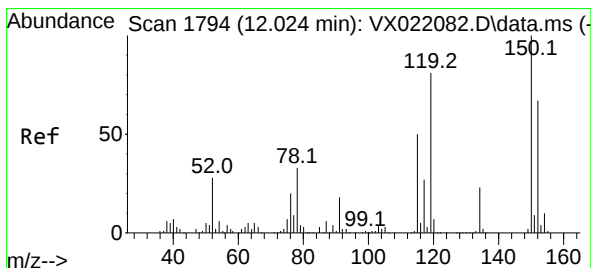
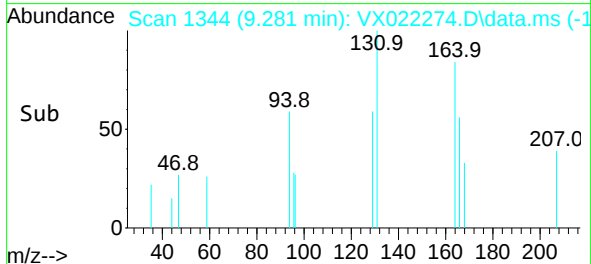
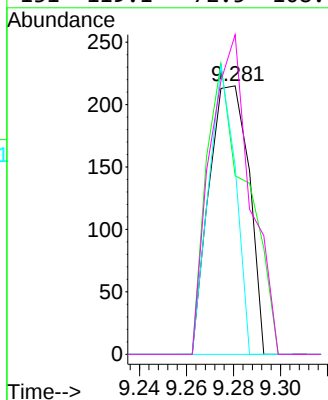


#64
Tetrachloroethene
Concen: 0.34 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX022274.D
Acq: 29 May 2021 00:43

Instrument :
MSVOA_X
ClientSampleId :
DUP01-20210526

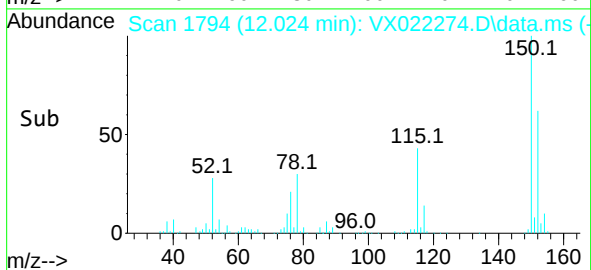
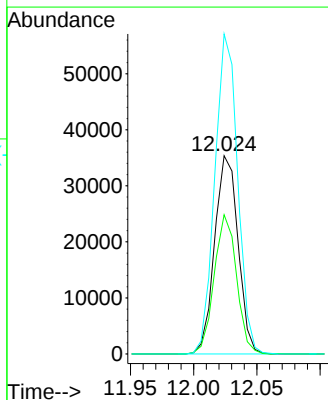
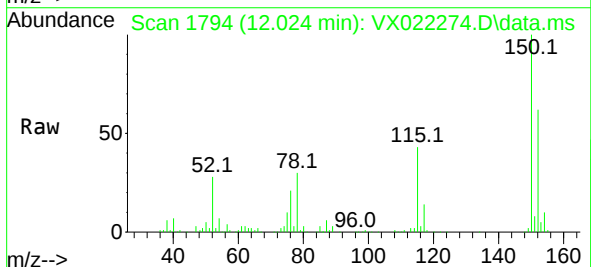


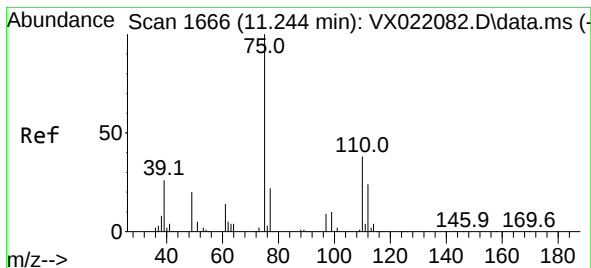
Tgt Ion:164 Resp: 253
Ion Ratio Lower Upper
164 100
166 66.5 103.4 155.2#
129 70.2 70.8 106.2#
131 119.1 72.5 108.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022274.D
Acq: 29 May 2021 00:43

Tgt Ion:152 Resp: 45487
Ion Ratio Lower Upper
152 100
115 67.1 41.1 123.3
150 157.2 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 26.27 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.159 min

Lab File: VX022274.D

Acq: 29 May 2021 00:43

Tgt Ion: 75 Resp: 29475

Ion Ratio Lower Upper

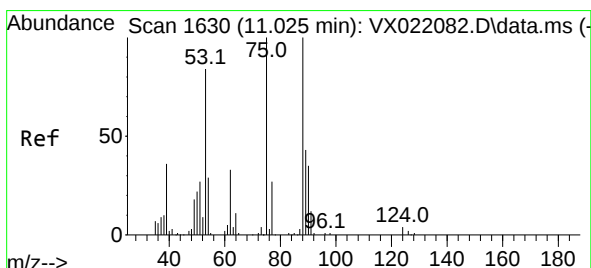
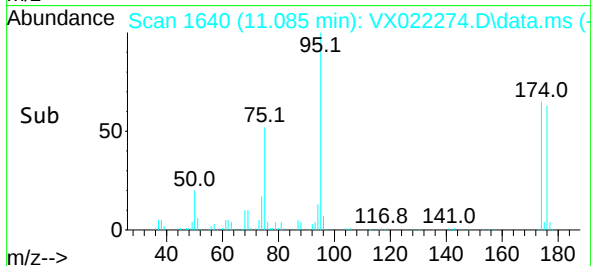
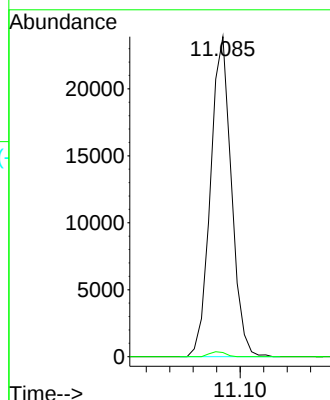
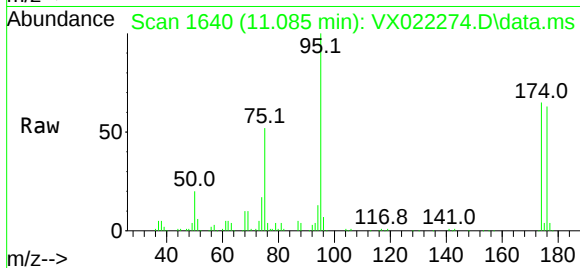
75 100
77 1.2 19.1 57.5#

Instrument :

MSVOA_X

ClientSampleId :

DUP01-20210526



#81

trans-1,4-Dichloro-2-butene

Concen: 62.23 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.060 min

Lab File: VX022274.D

Acq: 29 May 2021 00:43

Tgt Ion: 75 Resp: 29475

Ion Ratio Lower Upper

75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

