

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060622\
 Data File : VX029274.D
 Acq On : 07 Jun 2022 06:17
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 07 10:09:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 01 04:45:42 2022
 Response via : Initial Calibration

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

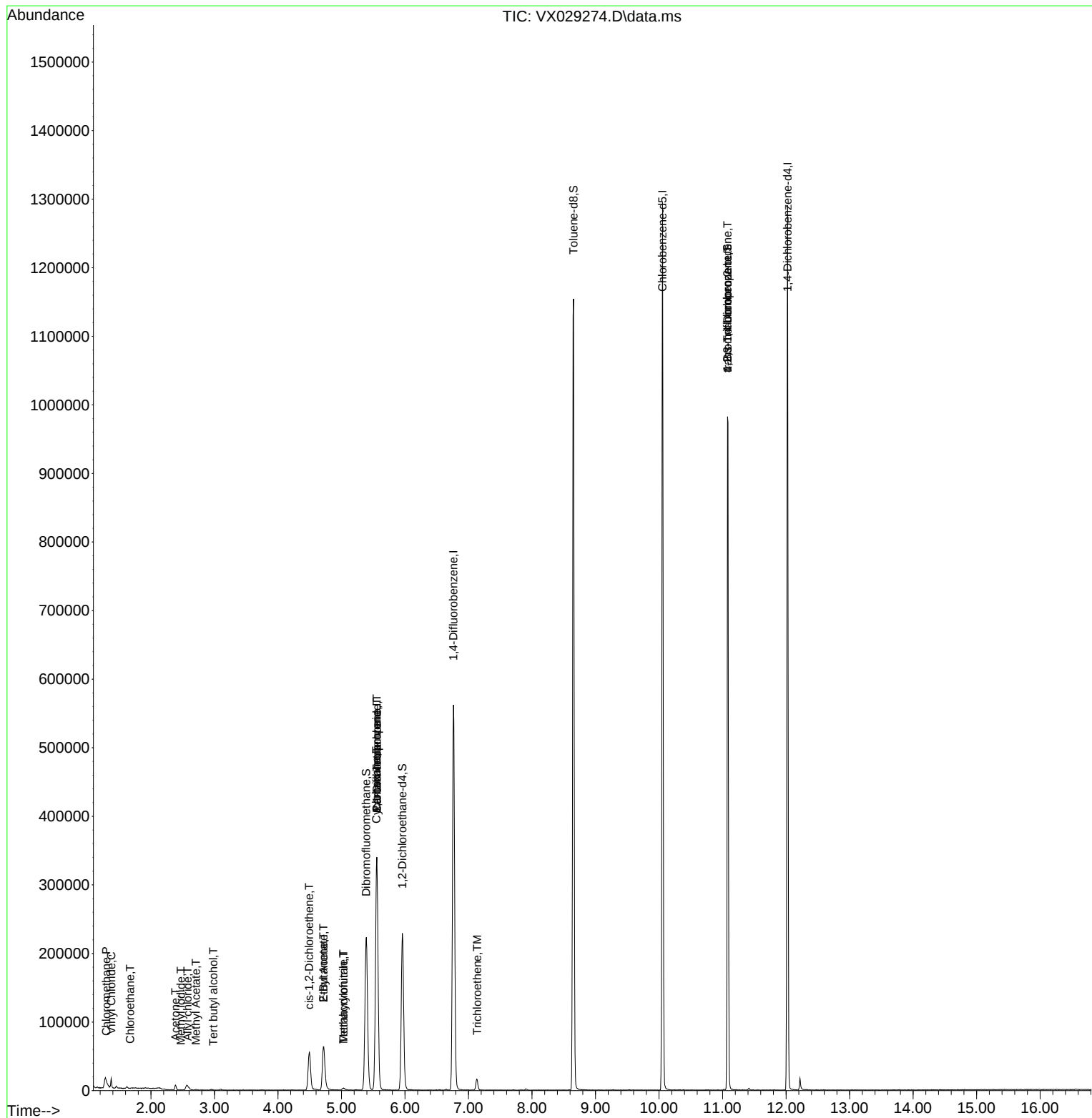
Internal Standards						
1) Pentafluorobenzene	5.556	168	309891	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	588832	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	576291	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	263872	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	221392	63.355	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 126.720%	
35) Dibromofluoromethane	5.385	113	199863	51.101	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 102.200%	
50) Toluene-d8	8.653	98	707311	49.446	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 98.900%	
62) 4-Bromofluorobenzene	11.079	95	281642	50.934	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 101.860%	
Target Compounds						
						Qvalue
3) Chloromethane	1.295	50	1260	0.447	ug/l	# 85
4) Vinyl Chloride	1.374	62	7483	2.414	ug/l	95
5) Bromomethane	1.624	94	782	Below Cal	#	80
6) Chloroethane	1.672	64	336	1.525	ug/l	# 43
10) Methyl Iodide	2.471	142	256	4.294	ug/l	# 51
11) Tert butyl alcohol	2.983	59	303	0.374	ug/l	# 72
14) Allyl chloride	2.575	41	1458	0.348	ug/l	# 71
16) Acetone	2.386	43	7613	5.533	ug/l	88
18) Methyl Acetate	2.709	43	1010	0.284	ug/l	# 86
25) 2-Butanone	4.715	43	110728	49.884	ug/l	# 44
27) cis-1,2-Dichloroethene	4.489	96	38413	10.222	ug/l	85
29) Tetrahydrofuran	5.032	42	2609	1.833	ug/l	# 86
31) Cyclohexane	5.550	56	6273	1.381	ug/l	# 1
36) 1,1-Dichloropropene	5.556	75	24849	4.938	ug/l	# 50
37) Ethyl Acetate	4.715	43	111074	22.774	ug/l	99
38) Carbon Tetrachloride	5.556	117	34307	5.965	ug/l	# 16
41) Methacrylonitrile	5.032	41	1408	0.534	ug/l	# 29
44) Trichloroethene	7.135	130	6356	0.747	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	141085	26.375	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	141085	77.380	ug/l	# 15

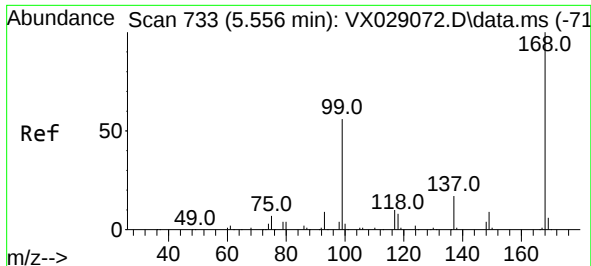
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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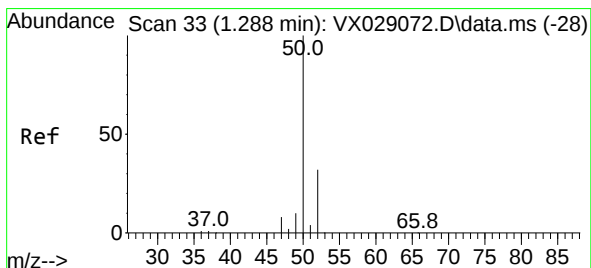
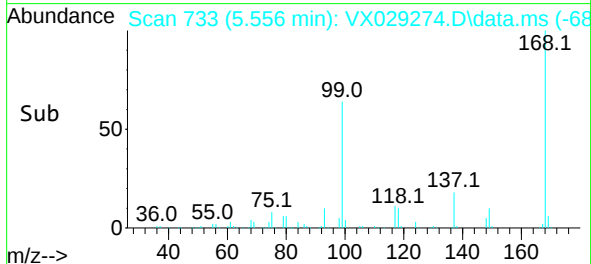
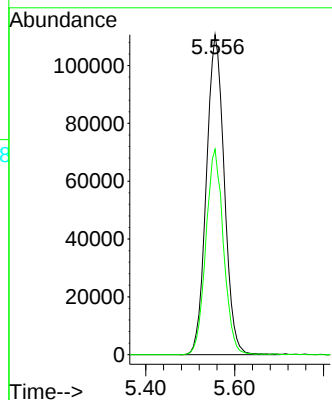
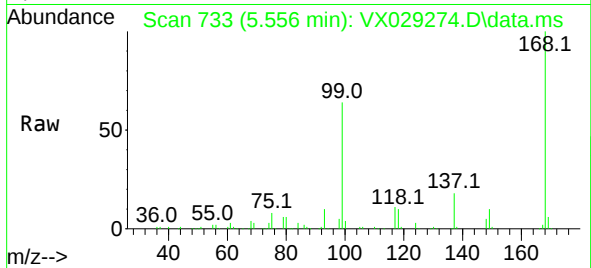




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029274.D
Acq: 07 Jun 2022 06:17

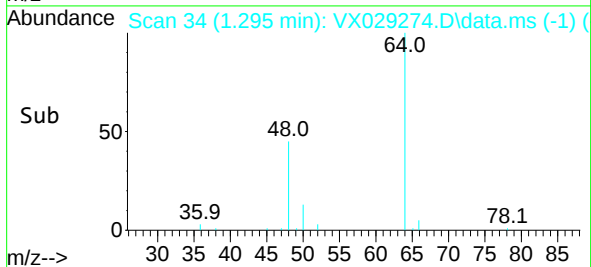
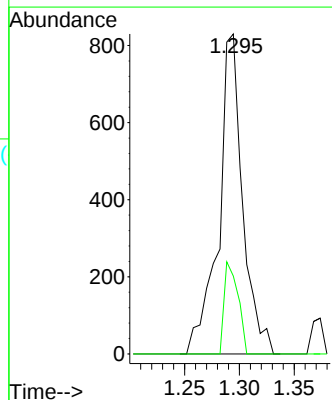
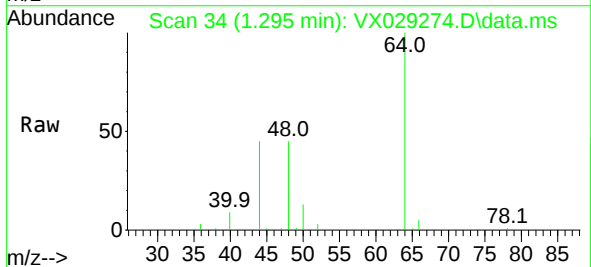
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

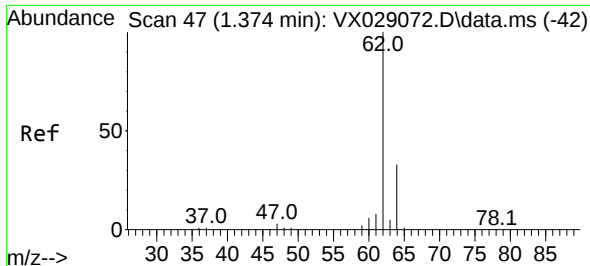
Tgt Ion:168 Resp: 309891
Ion Ratio Lower Upper
168 100
99 64.2 41.7 62.5#



#3
Chloromethane
Concen: 0.447 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX029274.D
Acq: 07 Jun 2022 06:17

Tgt Ion: 50 Resp: 1260
Ion Ratio Lower Upper
50 100
52 24.3 26.4 39.6#

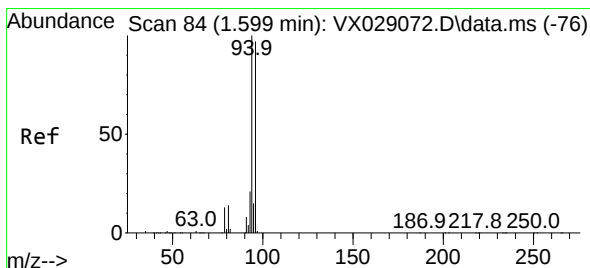
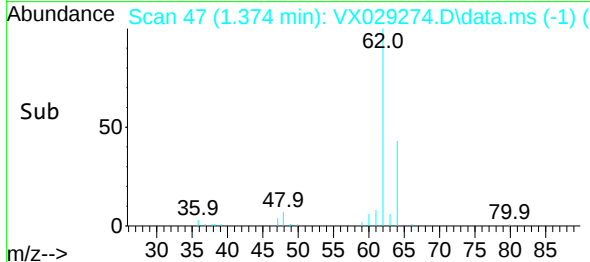
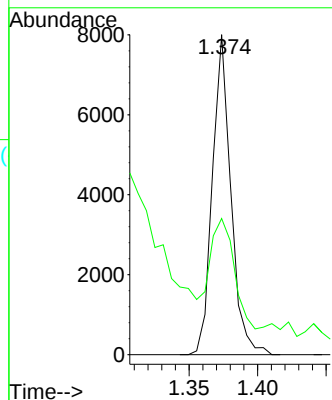
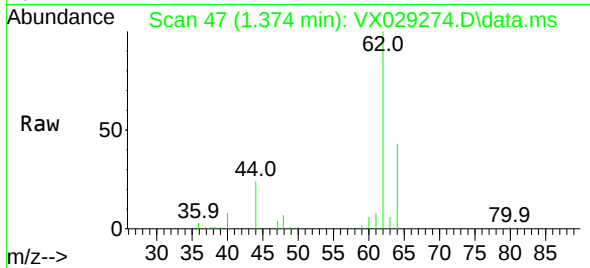




#4
 Vinyl Chloride
 Concen: 2.414 ug/l
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX029274.D
 Acq: 07 Jun 2022 06:17

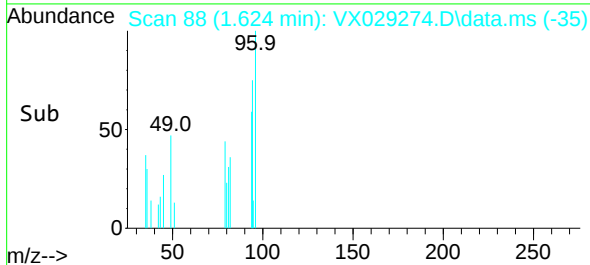
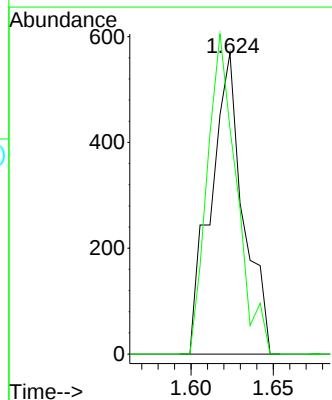
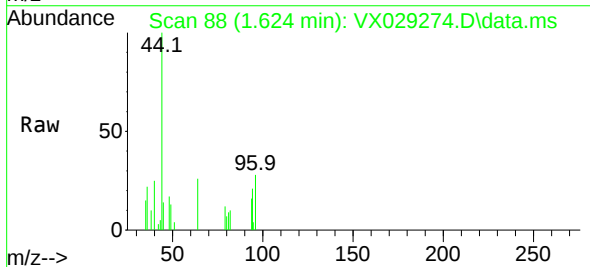
Instrument :
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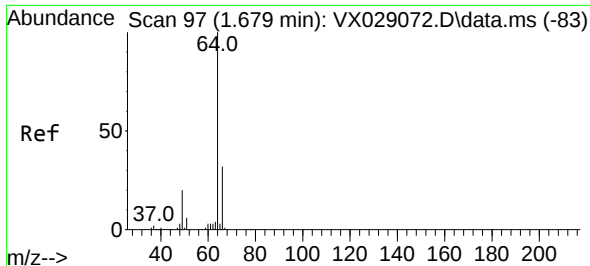
Tgt Ion: 62 Resp: 7483
 Ion Ratio Lower Upper
 62 100
 64 34.7 25.5 38.3



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.624 min Scan# 88
 Delta R.T. 0.025 min
 Lab File: VX029274.D
 Acq: 07 Jun 2022 06:17

Tgt Ion: 94 Resp: 782
 Ion Ratio Lower Upper
 94 100
 96 75.0 75.3 112.9#

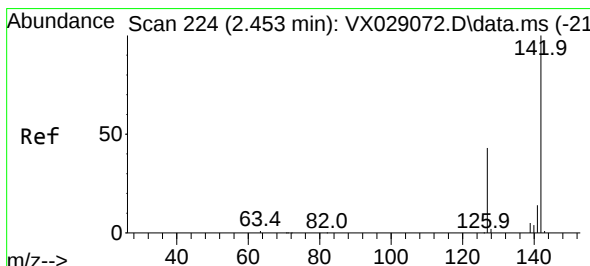
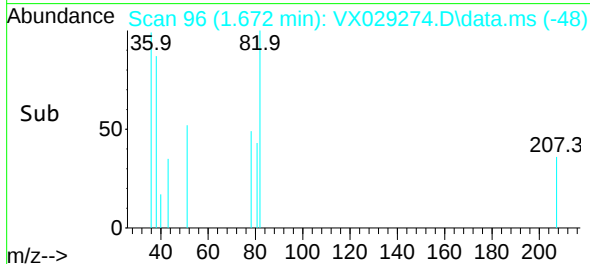
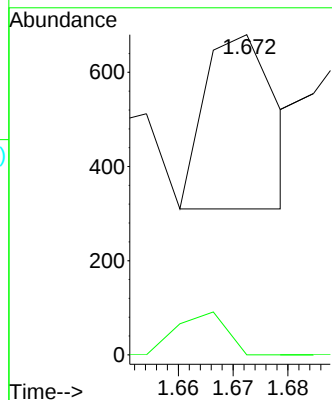
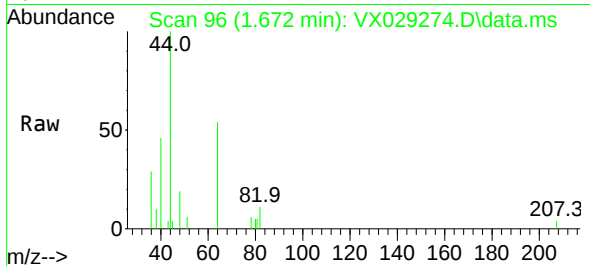




#6
Chloroethane
Concen: 1.525 ug/l
RT: 1.672 min Scan# 90
Delta R.T. -0.007 min
Lab File: VX029274.D
Acq: 07 Jun 2022 06:17

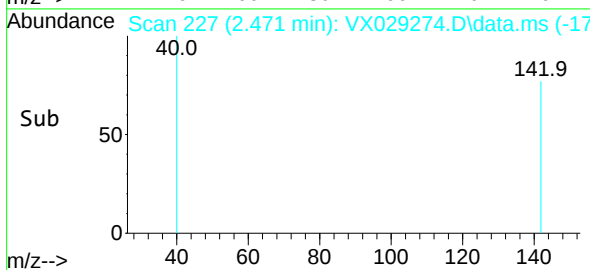
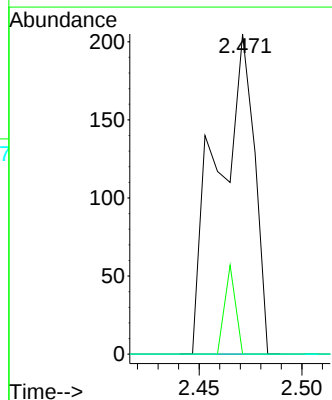
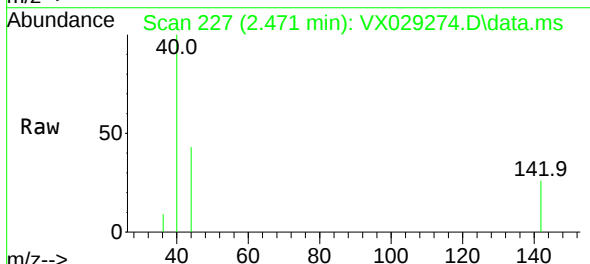
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

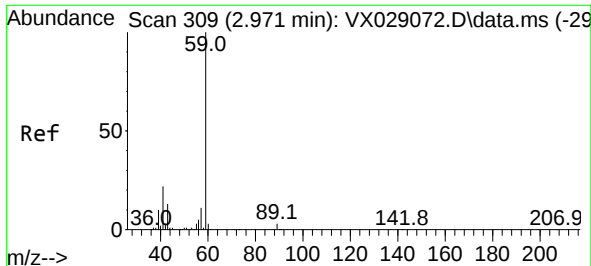
Tgt Ion: 64 Resp: 336
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#10
Methyl Iodide
Concen: 4.294 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.018 min
Lab File: VX029274.D
Acq: 07 Jun 2022 06:17

Tgt Ion: 142 Resp: 256
Ion Ratio Lower Upper
142 100
127 8.2 33.9 50.9#
141 0.0 11.4 17.2#

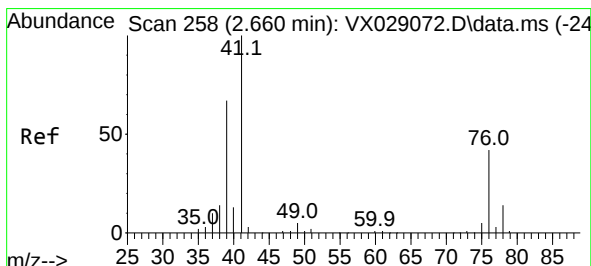
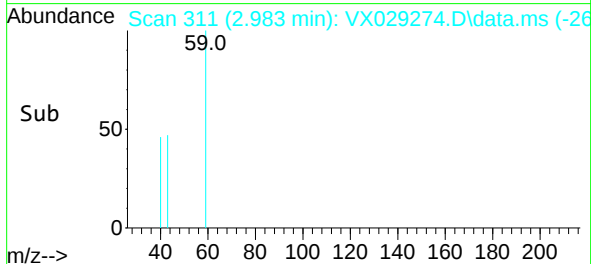
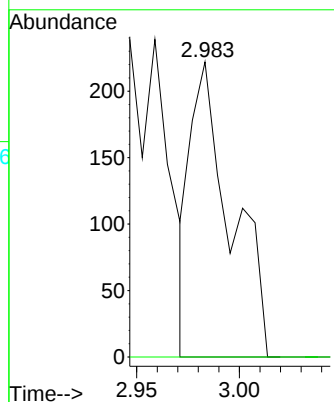
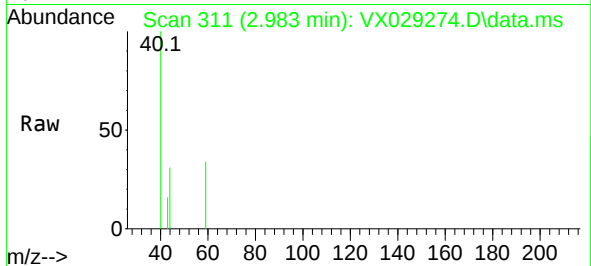




#11
Tert butyl alcohol
Concen: 0.374 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.012 min
Lab File: VX029274.D
Acq: 07 Jun 2022 06:17

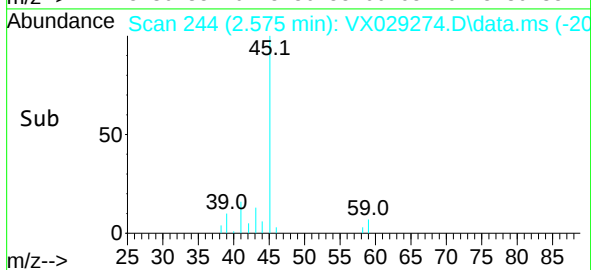
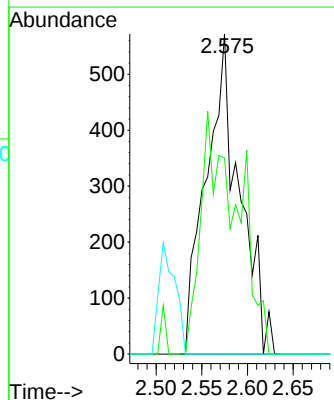
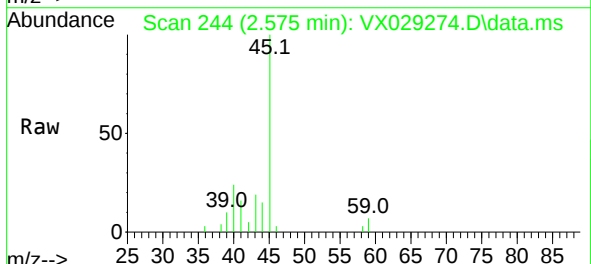
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

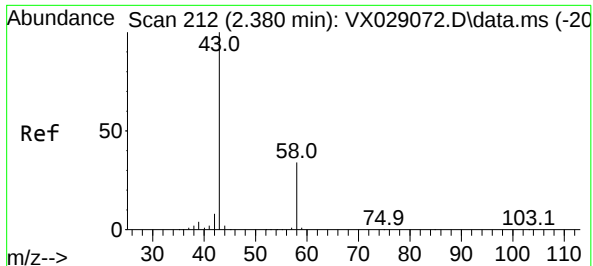
Tgt Ion: 59 Resp: 303
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#14
Allyl chloride
Concen: 0.348 ug/l
RT: 2.575 min Scan# 244
Delta R.T. -0.085 min
Lab File: VX029274.D
Acq: 07 Jun 2022 06:17

Tgt Ion: 41 Resp: 1458
Ion Ratio Lower Upper
41 100
39 66.7 50.4 75.6
76 0.0 32.7 49.1#

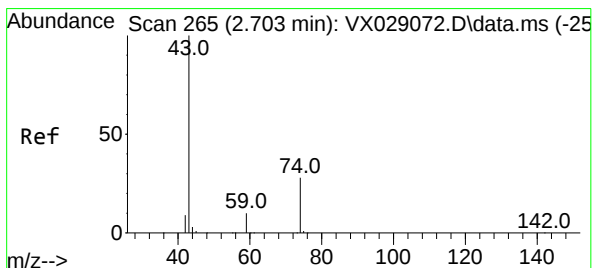
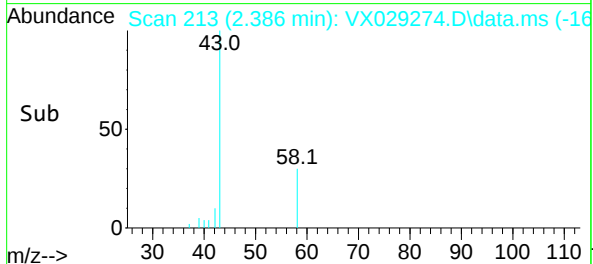
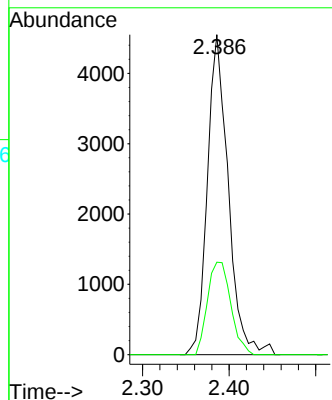
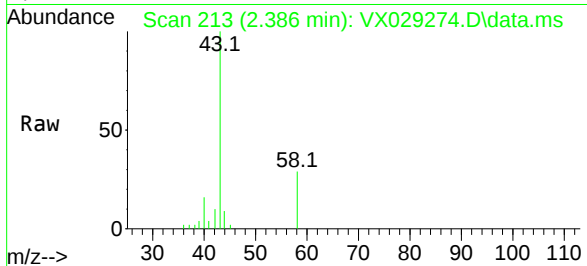




#16
Acetone
Concen: 5.533 ug/l
RT: 2.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029274.D
Acq: 07 Jun 2022 06:17

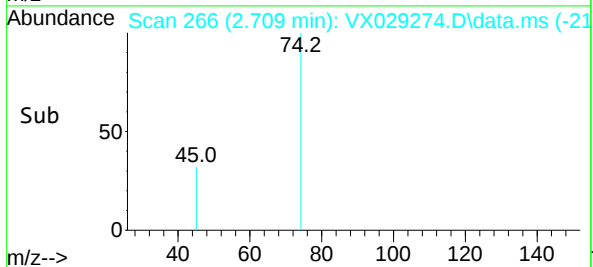
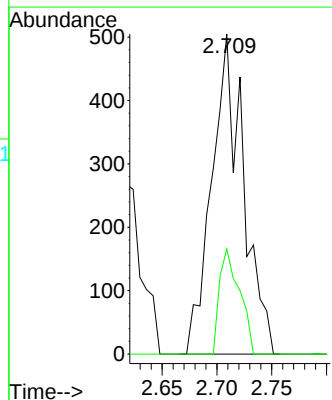
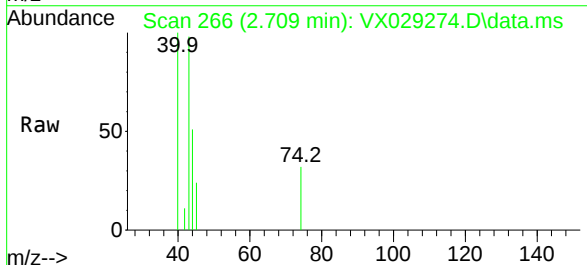
Instrument :
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ClientSampleId :
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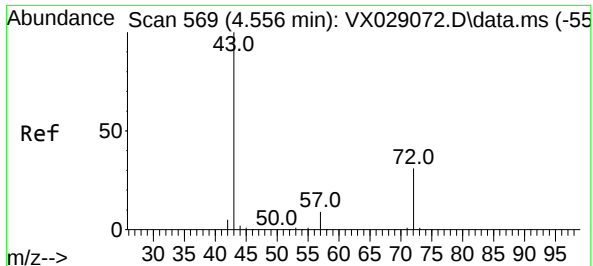
Tgt Ion: 43 Resp: 7613
Ion Ratio Lower Upper
43 100
58 28.9 28.8 43.2



#18
Methyl Acetate
Concen: 0.284 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX029274.D
Acq: 07 Jun 2022 06:17

Tgt Ion: 43 Resp: 1010
Ion Ratio Lower Upper
43 100
74 20.9 22.8 34.2#

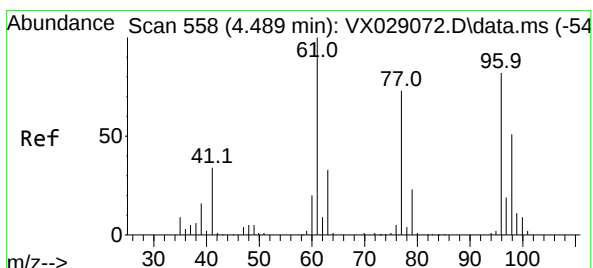
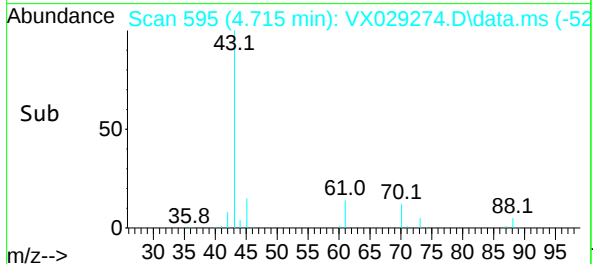
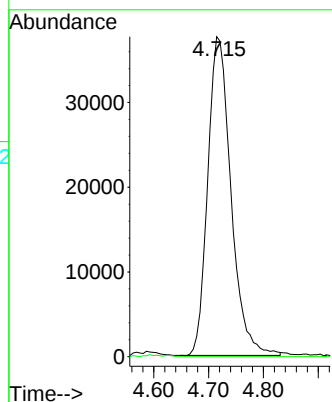
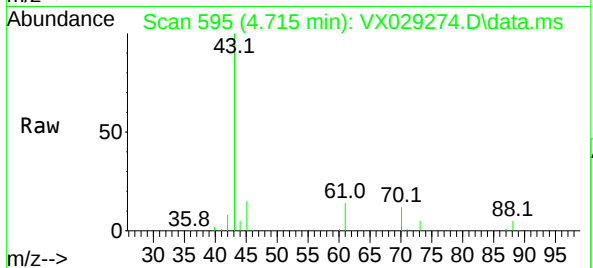




#25
2-Butanone
Concen: 49.884 ug/l
RT: 4.715 min Scan# 595
Delta R.T. 0.159 min
Lab File: VX029274.D
Acq: 07 Jun 2022 06:17

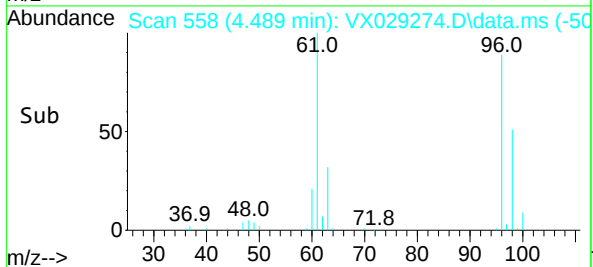
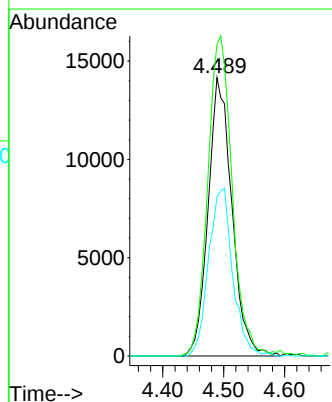
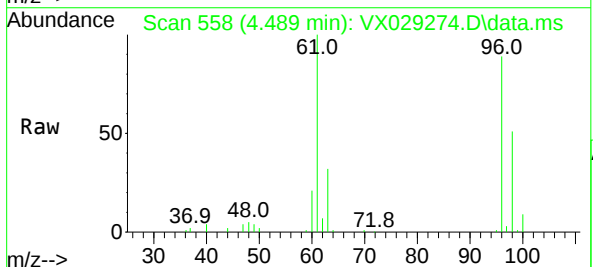
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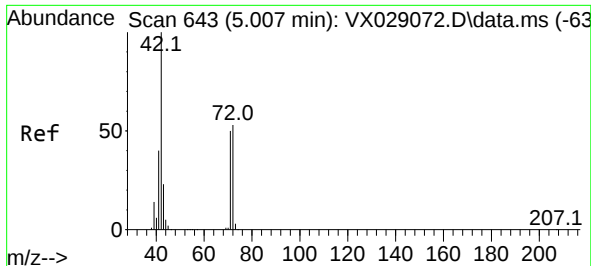
Tgt Ion: 43 Resp: 110728
Ion Ratio Lower Upper
43 100
72 0.0 24.4 36.6#



#27
cis-1,2-Dichloroethene
Concen: 10.222 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.000 min
Lab File: VX029274.D
Acq: 07 Jun 2022 06:17

Tgt Ion: 96 Resp: 38413
Ion Ratio Lower Upper
96 100
61 117.7 0.0 283.8
98 61.0 0.0 129.8





#29

Tetrahydrofuran

Concen: 1.833 ug/l

RT: 5.032 min Scan# 643

Delta R.T. 0.025 min

Lab File: VX029274.D

Acq: 07 Jun 2022 06:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

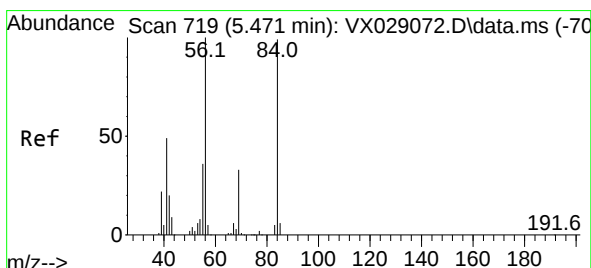
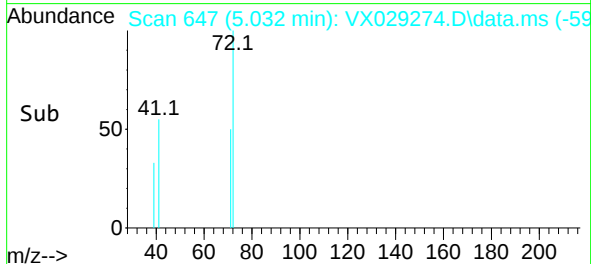
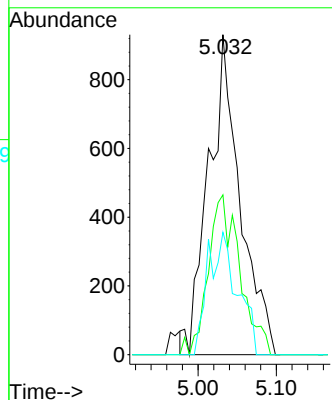
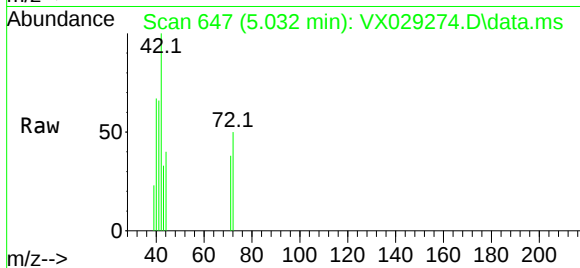
Tgt Ion: 42 Resp: 2609

Ion Ratio Lower Upper

42 100

72 50.1 44.1 66.1

71 35.3 40.5 60.7#



#31

Cyclohexane

Concen: 1.381 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX029274.D

Acq: 07 Jun 2022 06:17

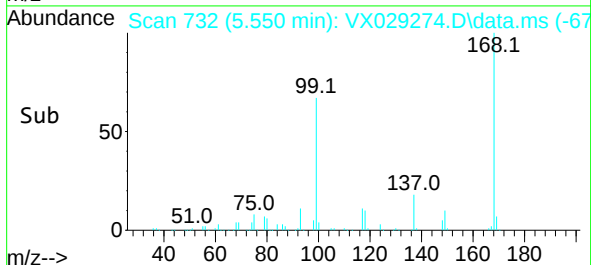
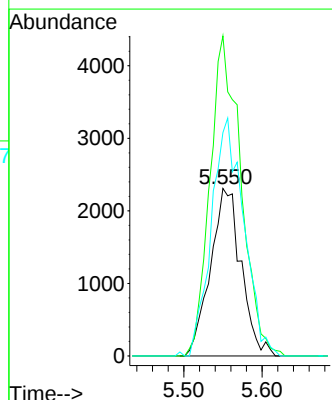
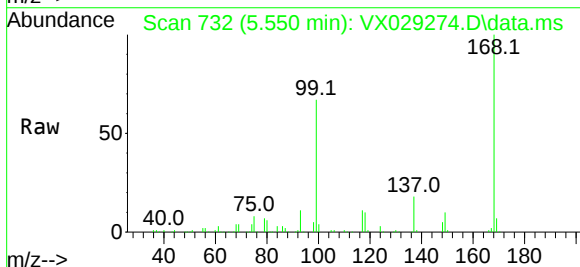
Tgt Ion: 56 Resp: 6273

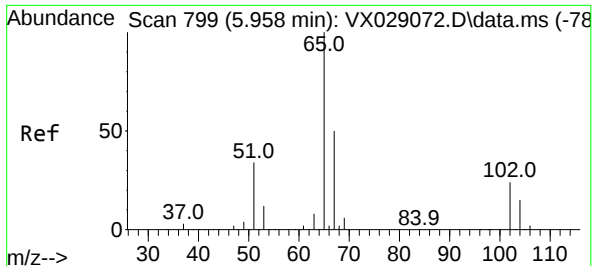
Ion Ratio Lower Upper

56 100

69 191.0 26.7 40.1#

84 133.4 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 63.355 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029274.D

Acq: 07 Jun 2022 06:17

Instrument :

MSVOA_X

ClientSampleId :

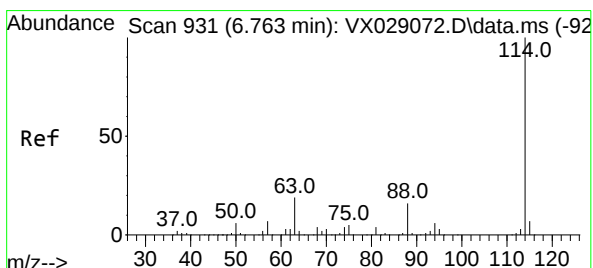
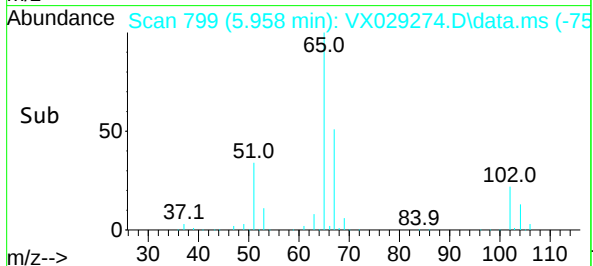
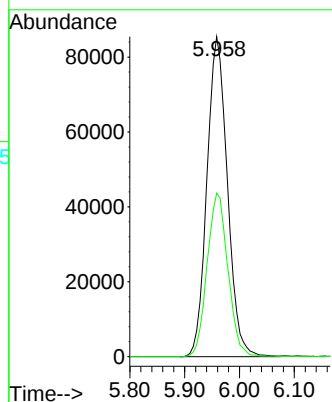
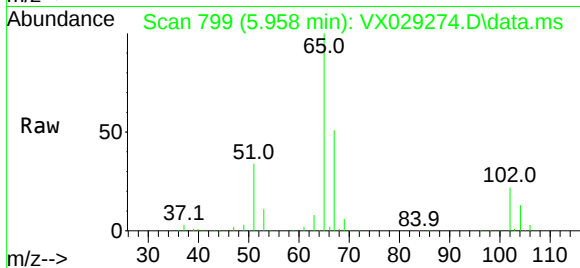
VSTDCCC050

Tgt Ion: 65 Resp: 221392

Ion Ratio Lower Upper

65 100

67 51.9 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX029274.D

Acq: 07 Jun 2022 06:17

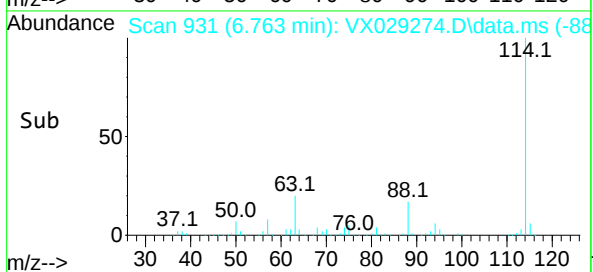
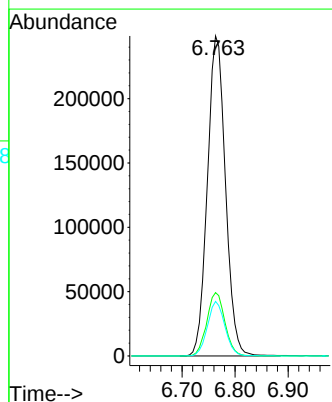
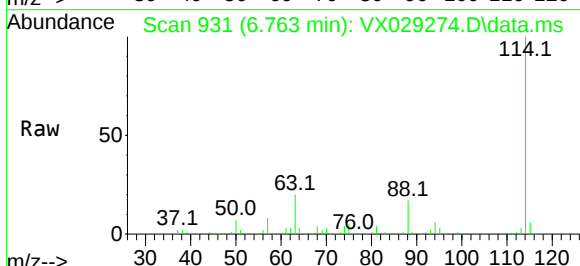
Tgt Ion: 114 Resp: 588832

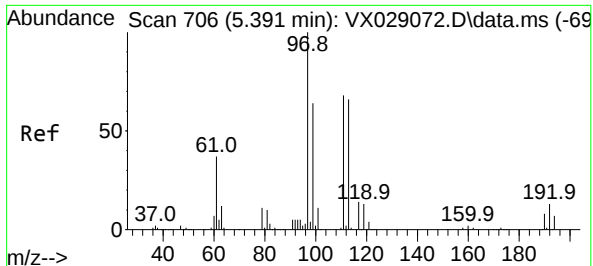
Ion Ratio Lower Upper

114 100

63 19.8 0.0 36.8

88 17.1 0.0 32.4





#35

Dibromofluoromethane

Concen: 51.101 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX029274.D

Acq: 07 Jun 2022 06:17

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

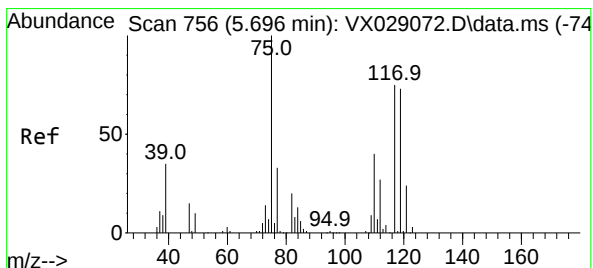
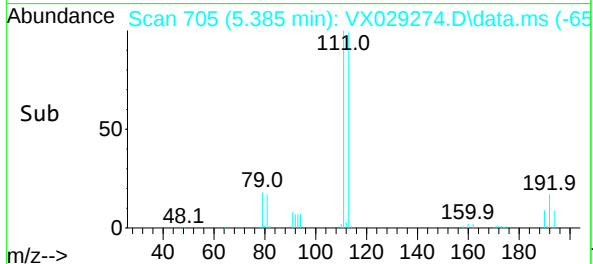
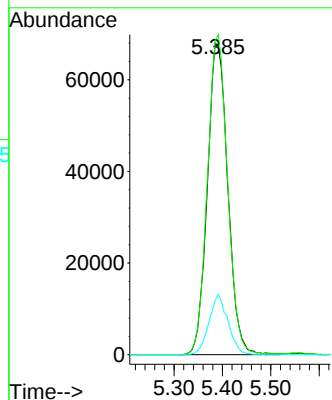
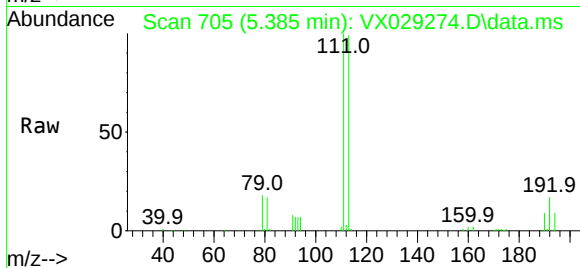
Tgt Ion:113 Resp: 199863

Ion Ratio Lower Upper

113 100

111 101.3 82.8 124.2

192 18.0 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.938 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX029274.D

Acq: 07 Jun 2022 06:17

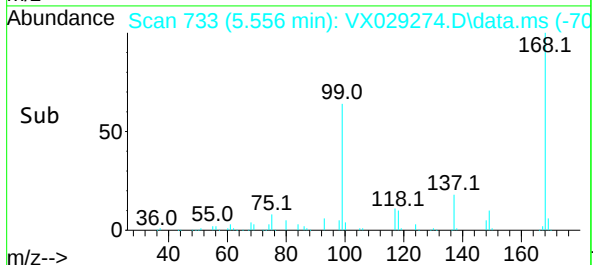
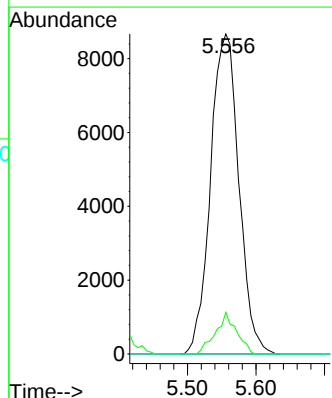
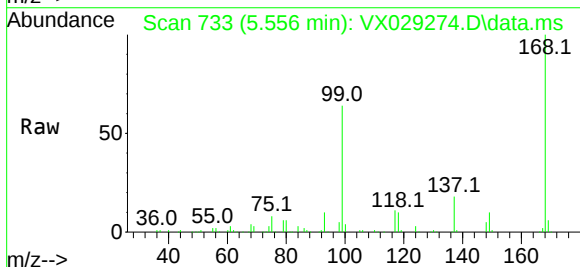
Tgt Ion: 75 Resp: 24849

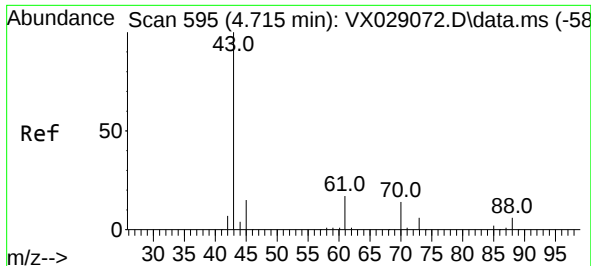
Ion Ratio Lower Upper

75 100

110 9.7 18.3 54.8#

77 0.0 24.8 37.2#

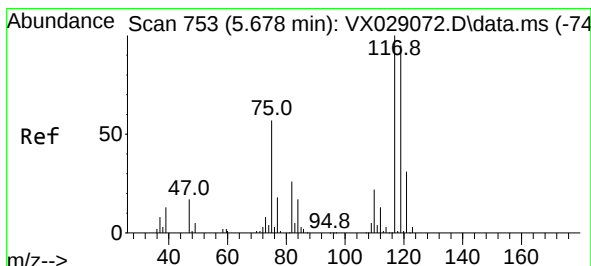
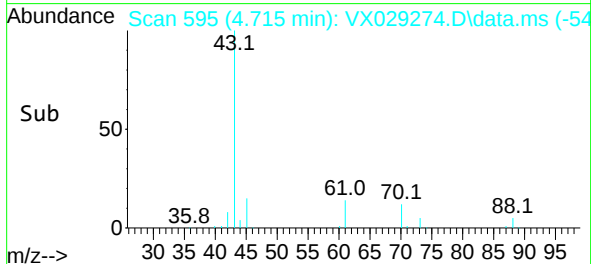
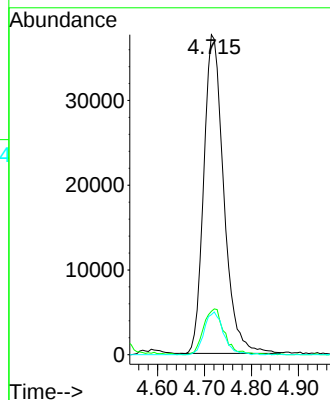
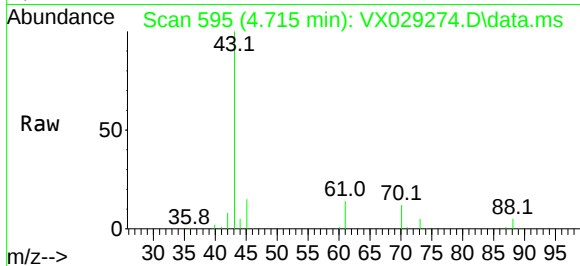




#37
Ethyl Acetate
Concen: 22.774 ug/l
RT: 4.715 min Scan# 595
Delta R.T. -0.000 min
Lab File: VX029274.D
Acq: 07 Jun 2022 06:17

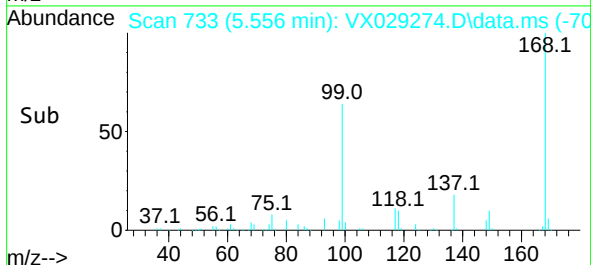
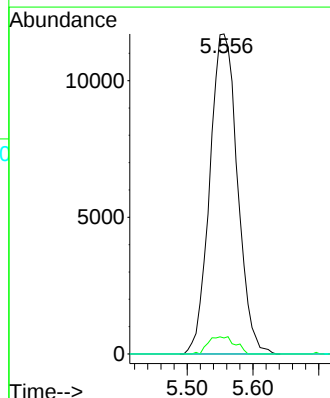
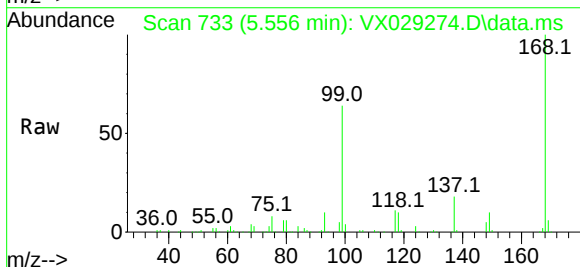
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

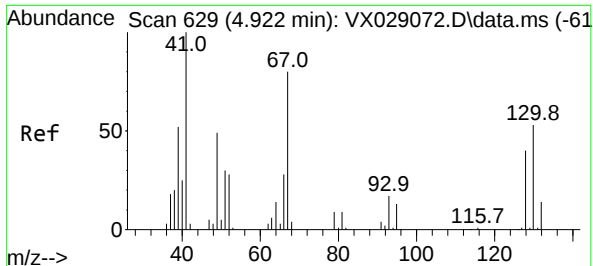
Tgt Ion: 43 Resp: 111074
Ion Ratio Lower Upper
43 100
61 15.0 12.6 19.0
70 12.8 10.2 15.2



#38
Carbon Tetrachloride
Concen: 5.965 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX029274.D
Acq: 07 Jun 2022 06:17

Tgt Ion: 117 Resp: 34307
Ion Ratio Lower Upper
117 100
119 5.0 77.3 115.9#
121 0.0 24.2 36.2#

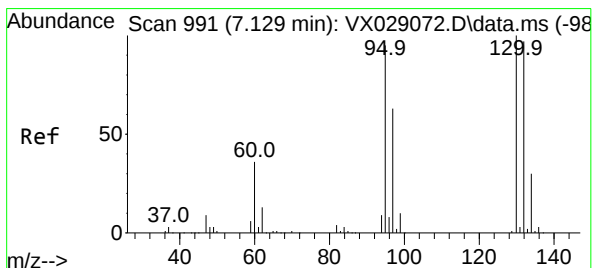
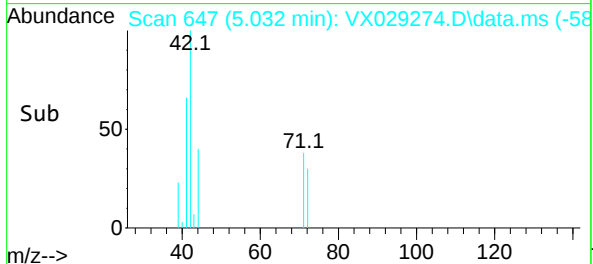
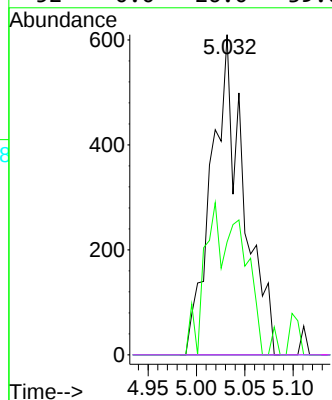
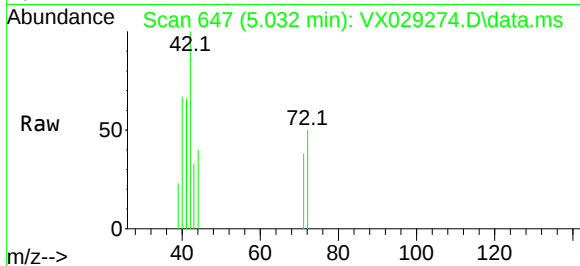




#41
Methacrylonitrile
Concen: 0.534 ug/l
RT: 5.032 min Scan# 641
Delta R.T. 0.110 min
Lab File: VX029274.D
Acq: 07 Jun 2022 06:17

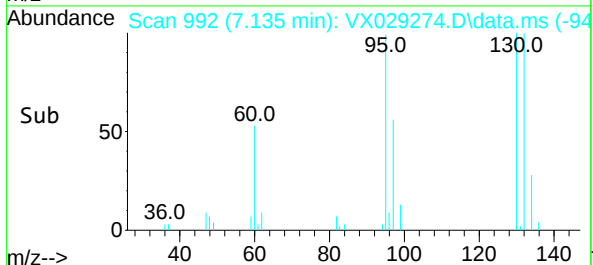
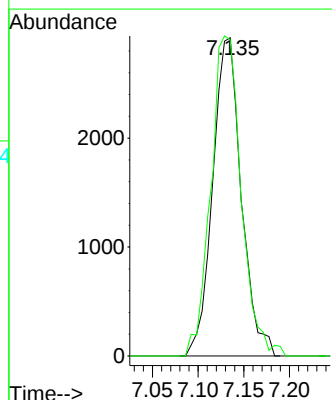
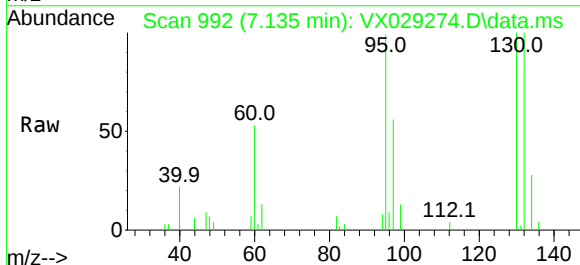
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

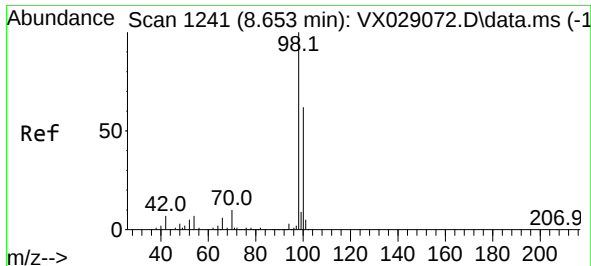
Tgt Ion: 41 Resp: 1408
Ion Ratio Lower Upper
41 100
39 25.3 43.0 64.4#
67 0.0 70.2 105.4#
52 0.0 26.0 39.0#



#44
Trichloroethene
Concen: 0.747 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX029274.D
Acq: 07 Jun 2022 06:17

Tgt Ion:130 Resp: 6356
Ion Ratio Lower Upper
130 100
95 99.4 0.0 188.8

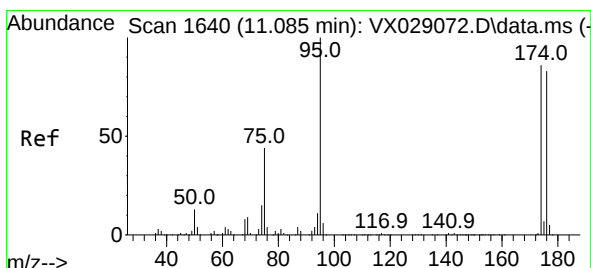
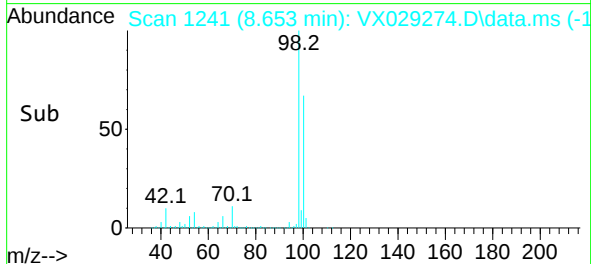
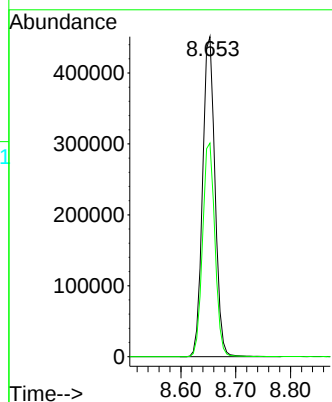
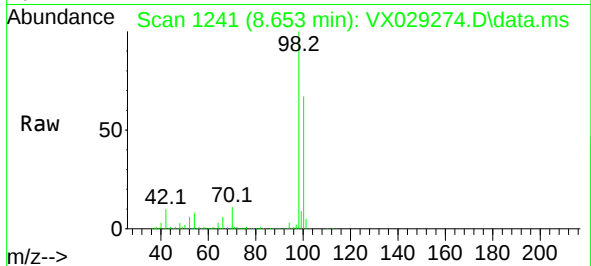




#50
Toluene-d8
Concen: 49.446 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029274.D
Acq: 07 Jun 2022 06:17

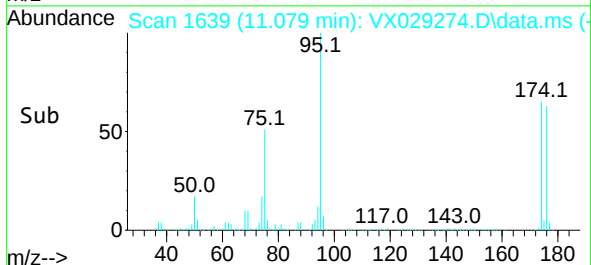
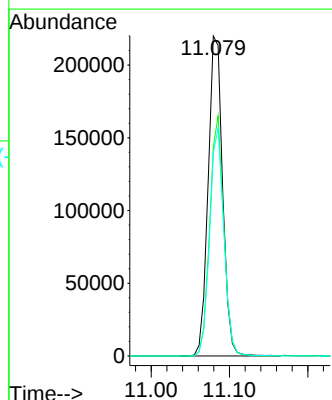
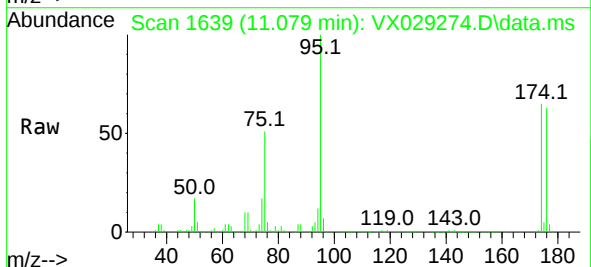
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

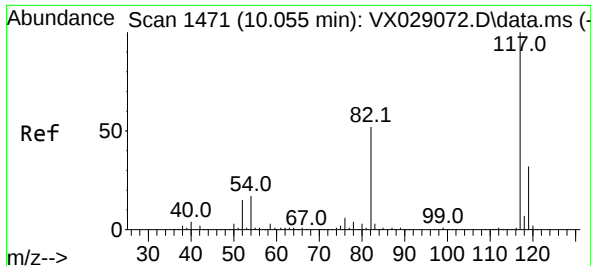
Tgt Ion: 98 Resp: 707311
Ion Ratio Lower Upper
98 100
100 66.7 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 50.934 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029274.D
Acq: 07 Jun 2022 06:17

Tgt Ion: 95 Resp: 281642
Ion Ratio Lower Upper
95 100
174 72.6 0.0 163.0
176 69.7 0.0 155.0

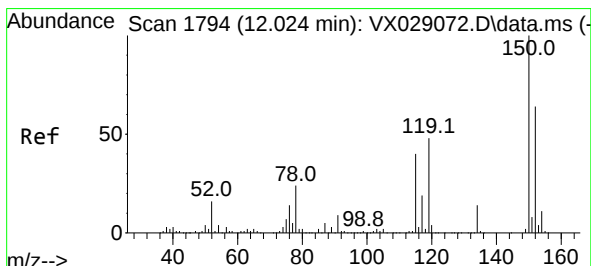
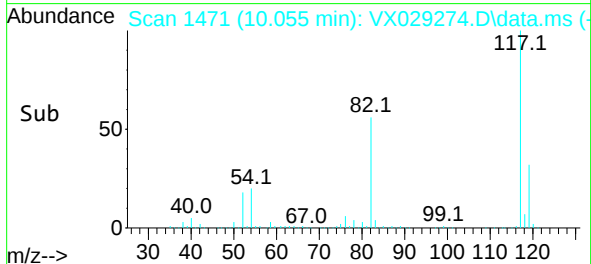
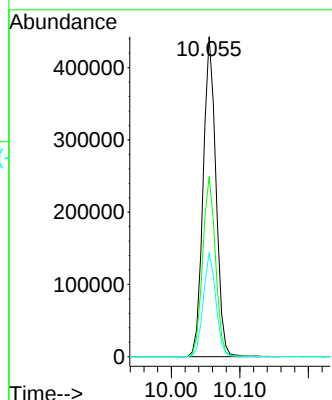
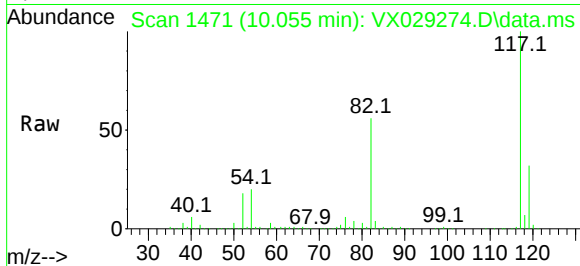




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029274.D
Acq: 07 Jun 2022 06:17

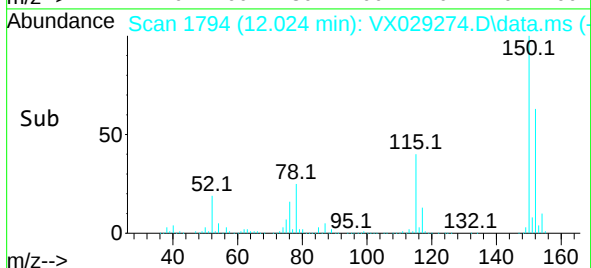
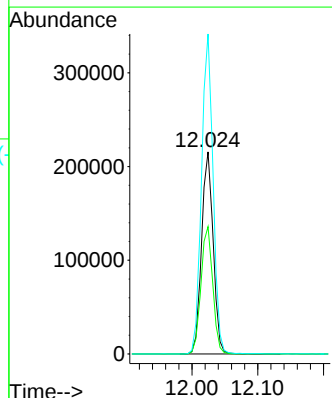
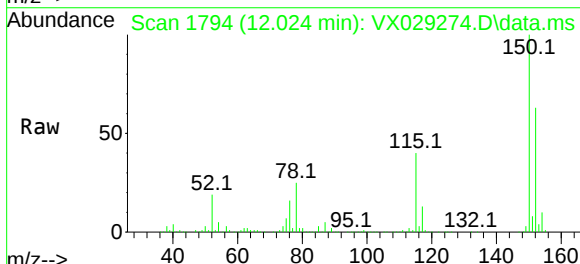
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

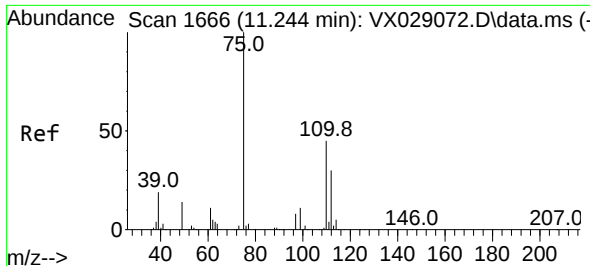
Tgt Ion:117 Resp: 576291
Ion Ratio Lower Upper
117 100
82 56.3 41.8 62.8
119 32.3 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029274.D
Acq: 07 Jun 2022 06:17

Tgt Ion:152 Resp: 263872
Ion Ratio Lower Upper
152 100
115 64.1 37.5 112.7
150 158.0 0.0 338.2

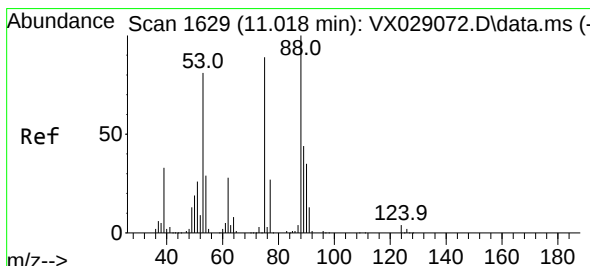
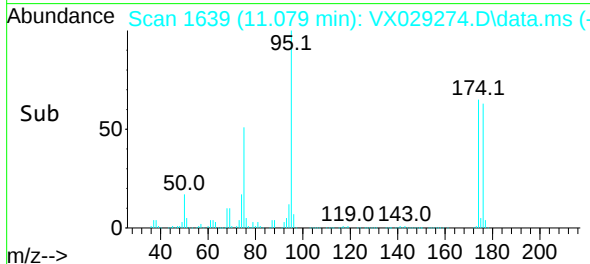
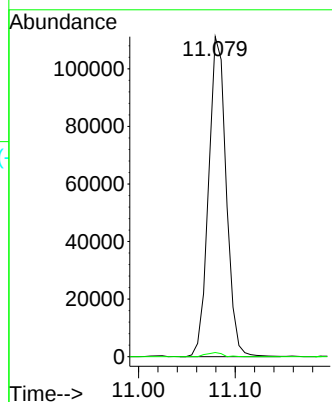
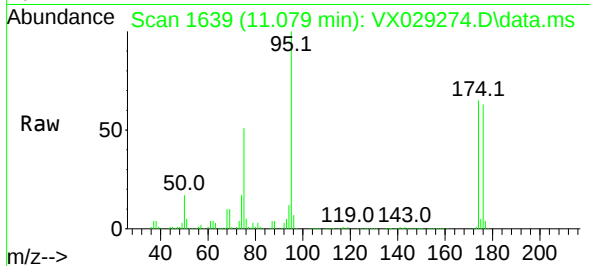




#76
1,2,3-Trichloropropane
Concen: 26.375 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029274.D
Acq: 07 Jun 2022 06:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 141085
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.380 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029274.D
Acq: 07 Jun 2022 06:17

Tgt Ion: 75 Resp: 141085
Ion Ratio Lower Upper
75 100
53 0.1 69.0 103.4#
89 0.0 37.0 55.6#

