

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030322\
 Data File : VX027286.D
 Acq On : 03 Mar 2022 22:10
 Operator : JC/MD
 Sample : N1728-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 04 02:42:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030322W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 04 01:00:22 2022
 Response via : Initial Calibration

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

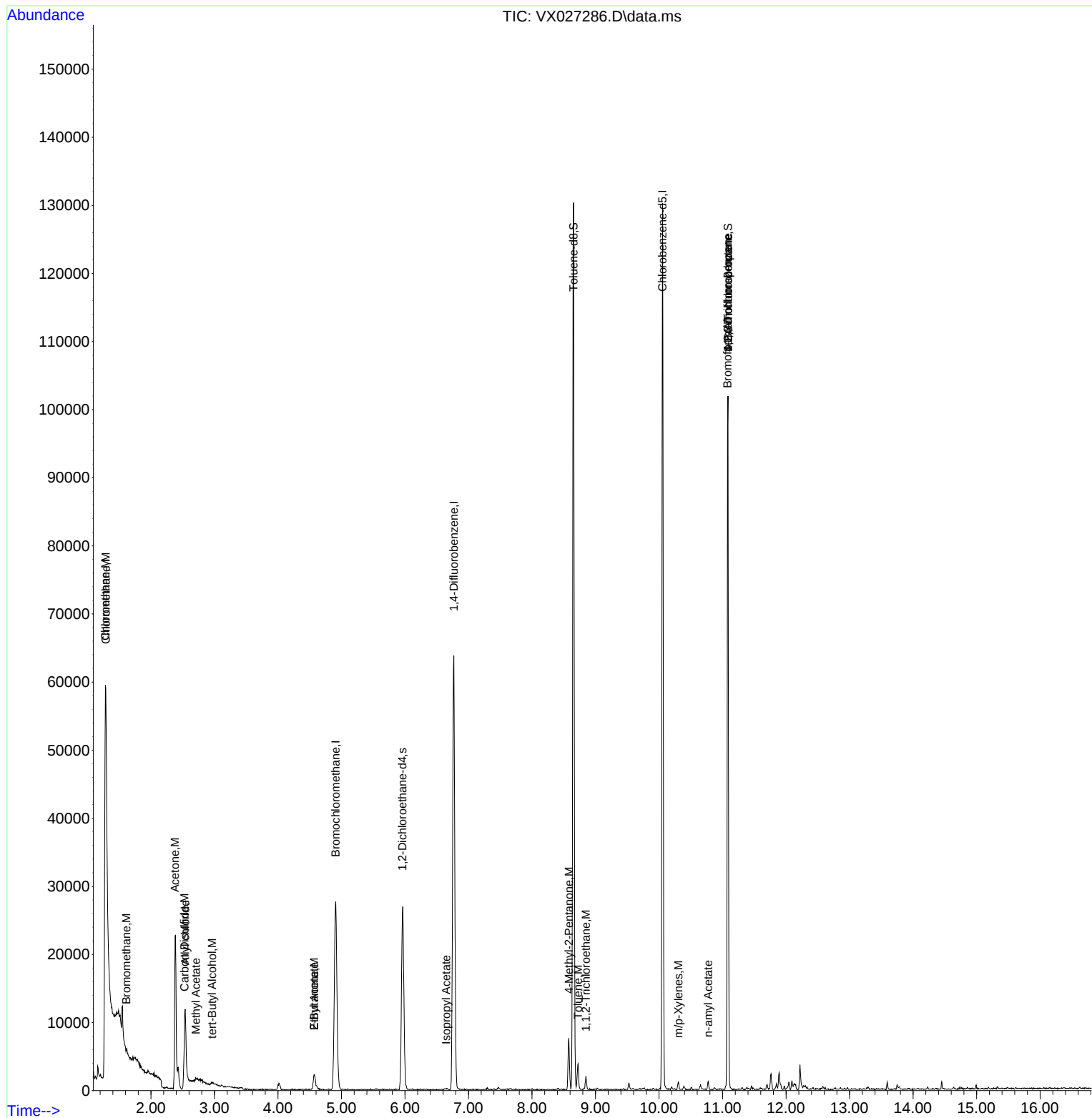
Internal Standards						
1) Bromochloromethane	4.910	128	12545	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	66792	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	60700	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	25484	29.343	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.800%
60) 4-Bromofluorobenzene	11.085	95	28044	28.519	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	95.067%
63) Toluene-d8	8.653	98	78087	29.427	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.100%
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	2777	4.300	ug/l #	43
5) Bromomethane	1.611	94	91	0.274	ug/l #	2
6) Chloroethane	1.282	64	131482	359.792	ug/l #	50
12) Methyl Acetate	2.709	43	480	0.514	ug/l #	47
15) Acetone	2.379	58	7767	64.186	ug/l	98
16) Carbon Disulfide	2.526	76	5887	3.086	ug/l	99
17) Allyl chloride	2.538	41	891	0.746	ug/l #	49
23) tert-Butyl Alcohol	2.965	59	197	1.180	ug/l #	100
30) 2-Butanone	4.568	43	4241	7.358	ug/l #	77
43) Ethyl Acetate	4.568	43	4241	3.883	ug/l #	64
44) Isopropyl Acetate	6.647	43	395	0.234	ug/l #	1
47) n-amyl Acetate	10.774	43	658	0.473	ug/l #	50
50) 1,1,2-Trichloroethane	8.848	97	1347	1.730	ug/l #	19
56) Bromoform	11.079	173	234	0.376	ug/l #	1
58) 4-Methyl-2-Pentanone	8.580	43	4594	4.184	ug/l	99
62) Toluene	8.726	91	2943	0.890	ug/l	86
67) m/p-Xylenes	10.305	106	428	0.293	ug/l	94
72) 1,2,3-Trichloropropane	11.085	75	13707	12.867	ug/l	37
77) t-1,4-Dichloro-2-butene	11.085	75	13707	43.434	ug/l #	3

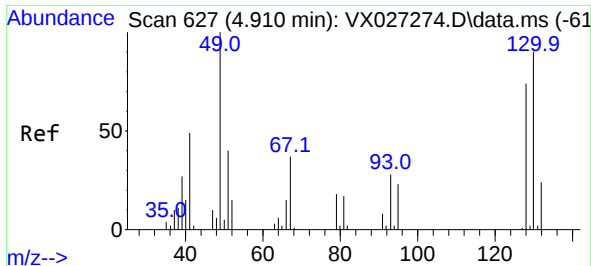
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030322\
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MSVOA_X
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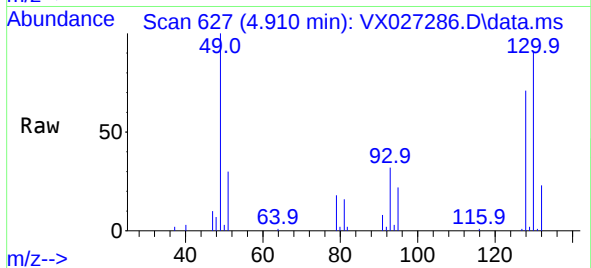
Quant Time: Mar 04 02:42:35 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030322W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Mar 04 01:00:22 2022
Response via : Initial Calibration



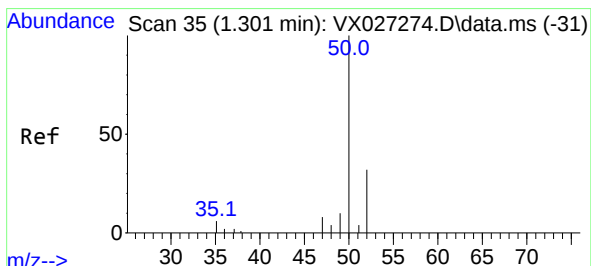
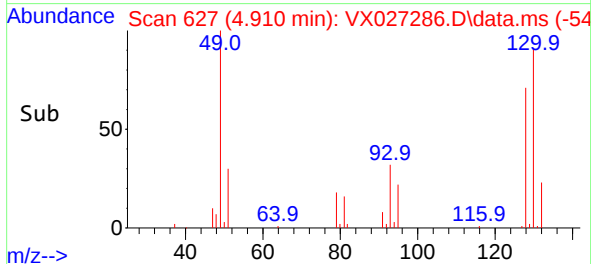
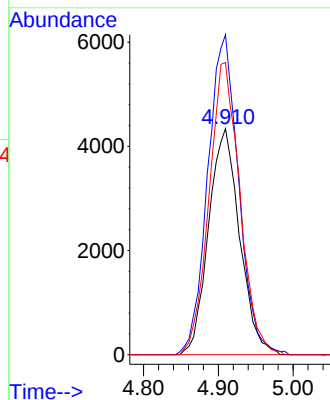


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.910 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX027286.D
Acq: 03 Mar 2022 22:10

Instrument :
MSVOA_X
ClientSampleId :

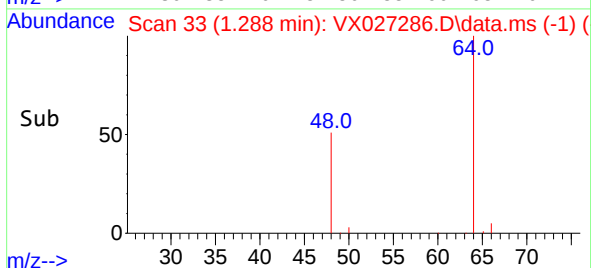
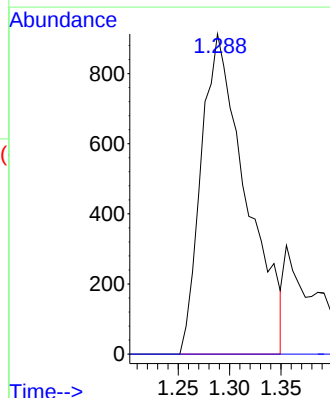
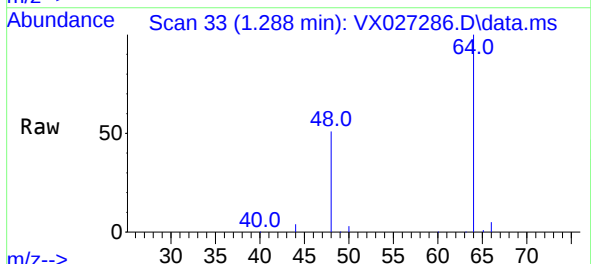


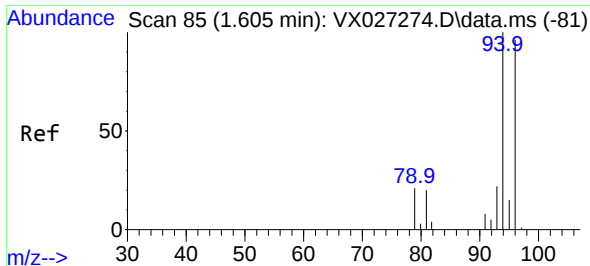
Tgt Ion:128 Resp: 12545
Ion Ratio Lower Upper
128 100
49 140.7 0.0 358.3
130 128.5 0.0 319.3



#3
Chloromethane
Concen: 4.300 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.012 min
Lab File: VX027286.D
Acq: 03 Mar 2022 22:10

Tgt Ion: 50 Resp: 2777
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#

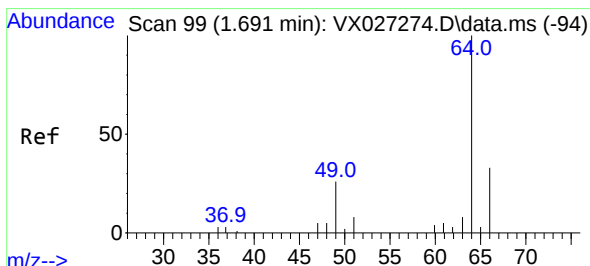
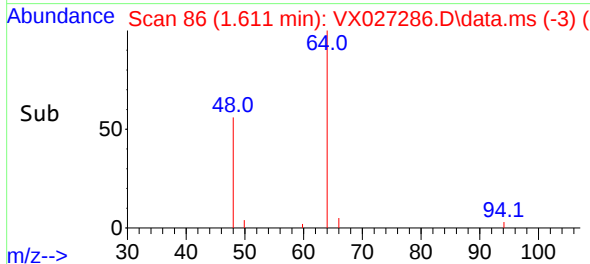
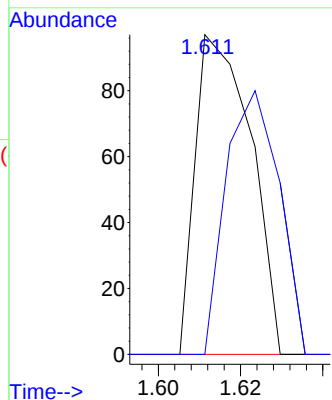
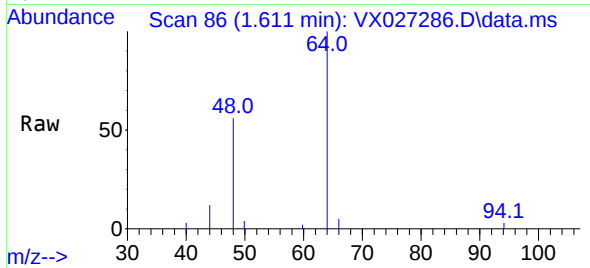




#5
Bromomethane
Concen: 0.274 ug/l
RT: 1.611 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX027286.D
Acq: 03 Mar 2022 22:10

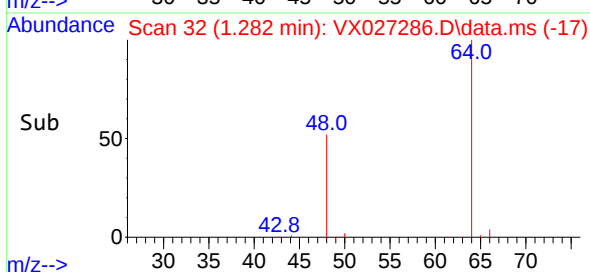
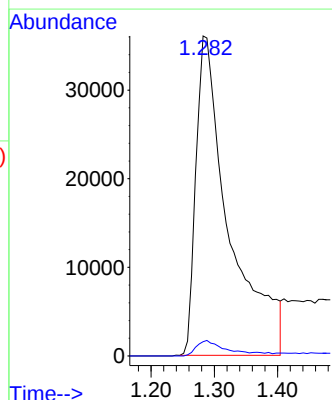
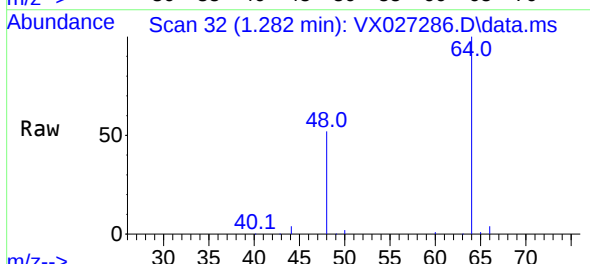
Instrument :
MSVOA_X
ClientSampleId :

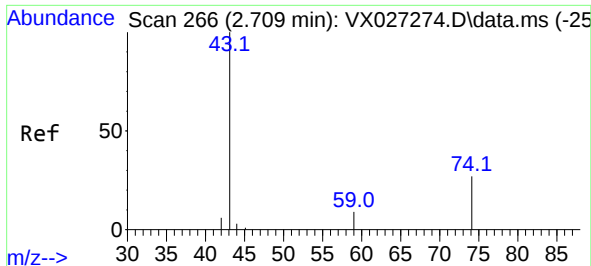
Tgt Ion: 94 Resp: 91
Ion Ratio Lower Upper
94 100
96 0.0 77.0 115.6#



#6
Chloroethane
Concen: 359.792 ug/l
RT: 1.282 min Scan# 32
Delta R.T. -0.409 min
Lab File: VX027286.D
Acq: 03 Mar 2022 22:10

Tgt Ion: 64 Resp: 131482
Ion Ratio Lower Upper
64 100
66 4.5 26.4 39.6#

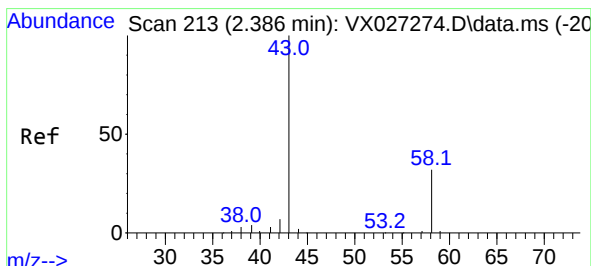
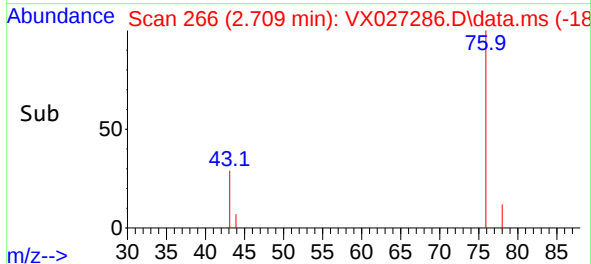
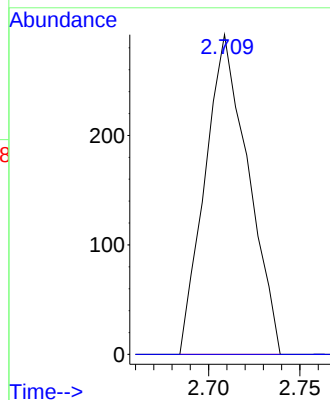
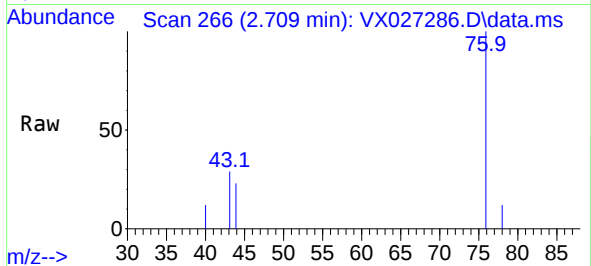




#12
Methyl Acetate
Concen: 0.514 ug/l
RT: 2.709 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX027286.D
Acq: 03 Mar 2022 22:10

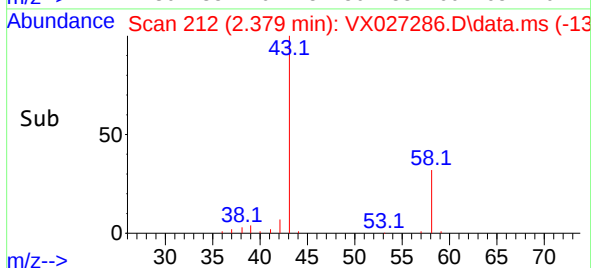
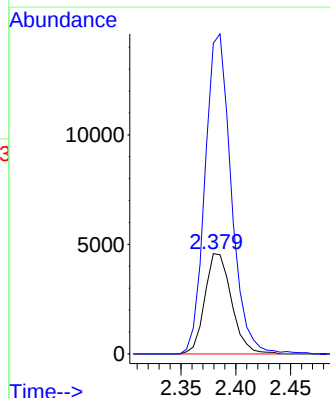
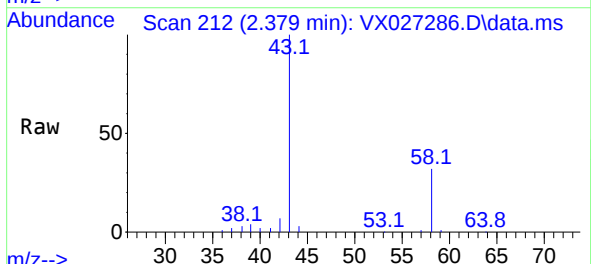
Instrument :
MSVOA_X
ClientSampleId :

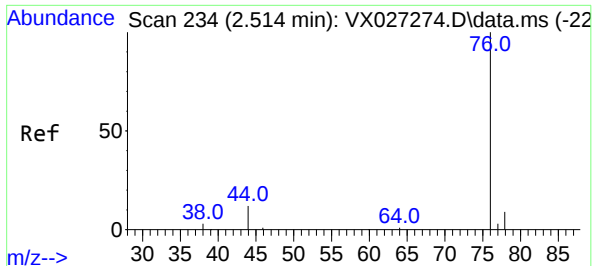
Tgt Ion: 43 Resp: 480
Ion Ratio Lower Upper
43 100
74 0.0 22.1 33.1#



#15
Acetone
Concen: 64.186 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX027286.D
Acq: 03 Mar 2022 22:10

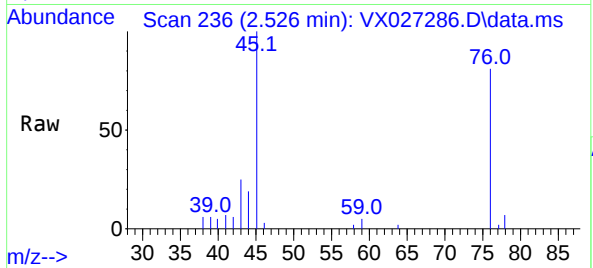
Tgt Ion: 58 Resp: 7767
Ion Ratio Lower Upper
58 100
43 309.5 250.2 375.2



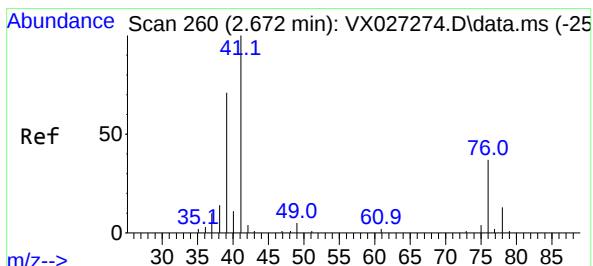
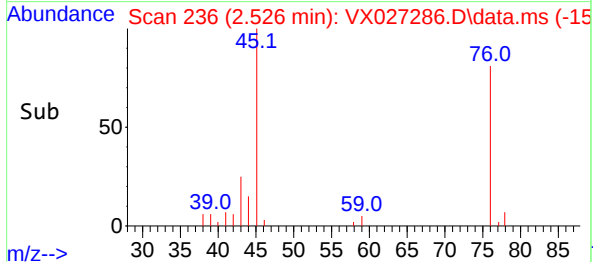
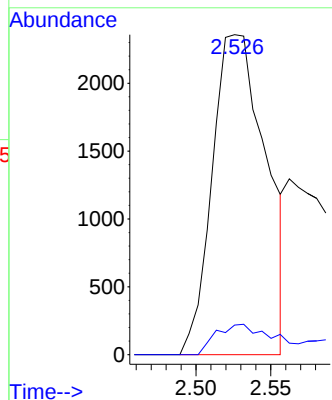


#16
Carbon Disulfide
Concen: 3.086 ug/l
RT: 2.526 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX027286.D
Acq: 03 Mar 2022 22:10

Instrument :
MSVOA_X
ClientSampleId :

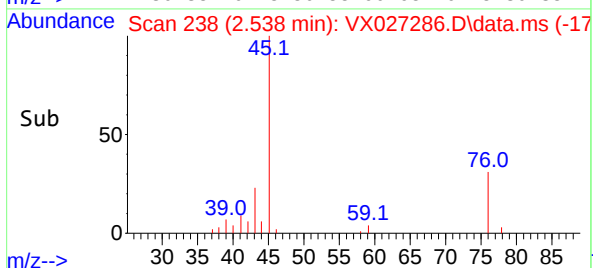
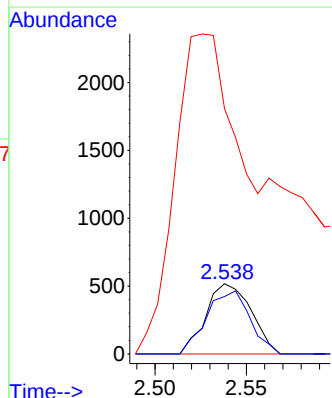
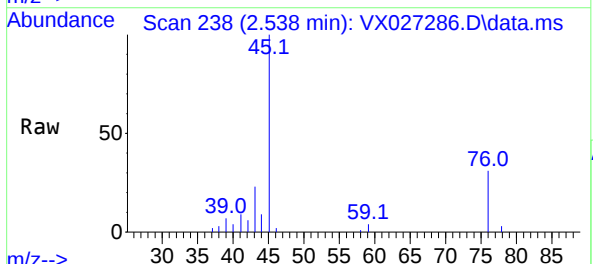


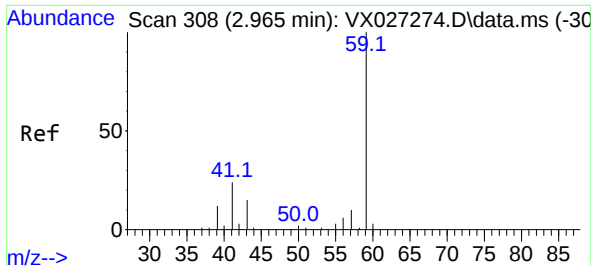
Tgt Ion: 76 Resp: 5887
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7



#17
Allyl chloride
Concen: 0.746 ug/l
RT: 2.538 min Scan# 238
Delta R.T. -0.134 min
Lab File: VX027286.D
Acq: 03 Mar 2022 22:10

Tgt Ion: 41 Resp: 891
Ion Ratio Lower Upper
41 100
39 81.7 35.4 106.1
76 110.8 18.4 55.4#





#23

tert-Butyl Alcohol

Concen: 1.180 ug/l

RT: 2.965 min Scan# 308

Delta R.T. -0.000 min

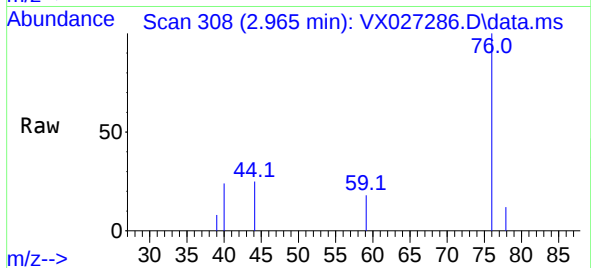
Lab File: VX027286.D

Acq: 03 Mar 2022 22:10

Instrument :

MSVOA_X

ClientSampleId :

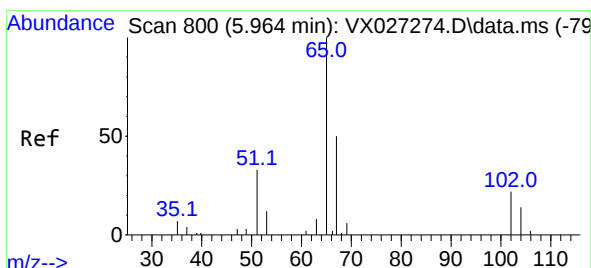
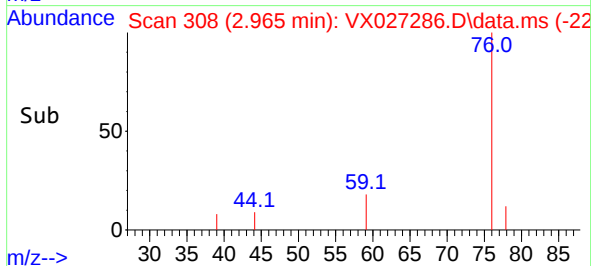
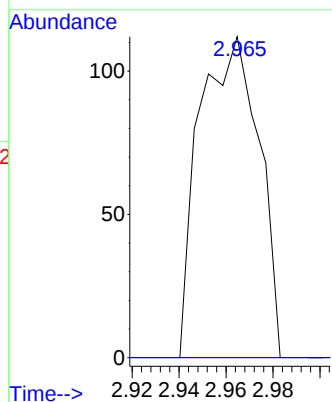


Tgt Ion: 59 Resp: 197

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#27

1,2-Dichloroethane-d4

Concen: 29.343 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX027286.D

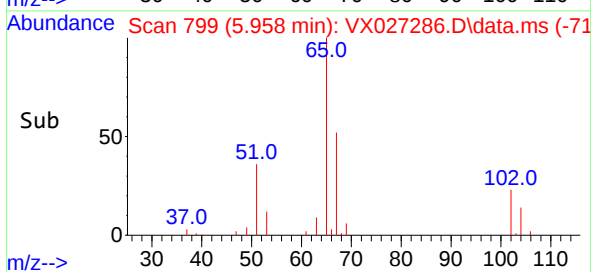
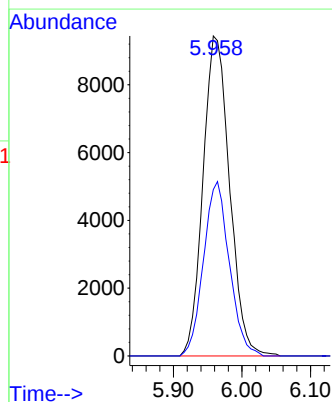
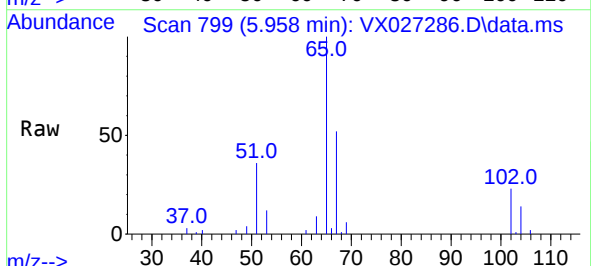
Acq: 03 Mar 2022 22:10

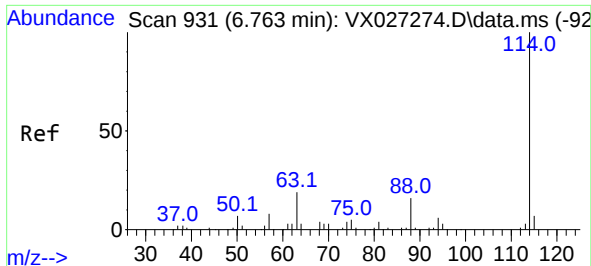
Tgt Ion: 65 Resp: 25484

Ion Ratio Lower Upper

65 100

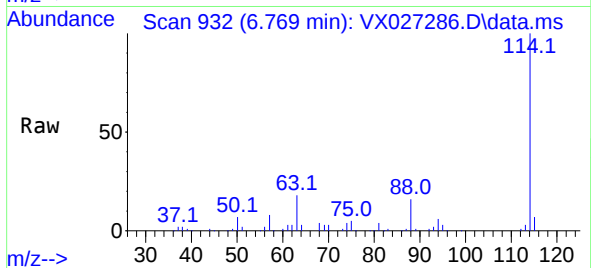
67 53.0 42.3 63.5



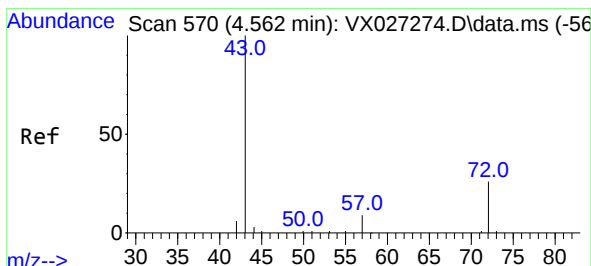
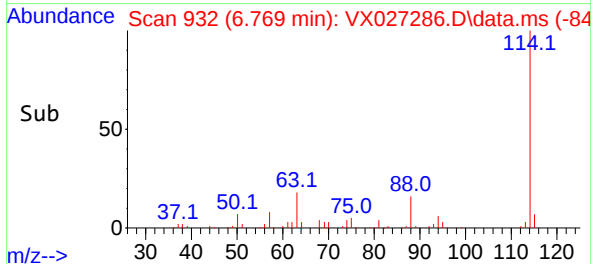
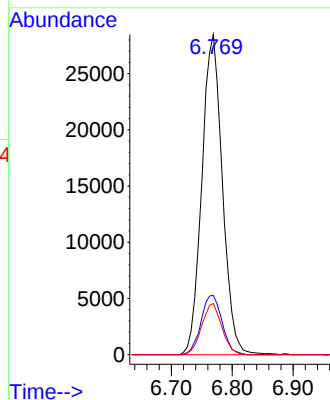


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX027286.D
Acq: 03 Mar 2022 22:10

Instrument :
MSVOA_X
ClientSampleId :

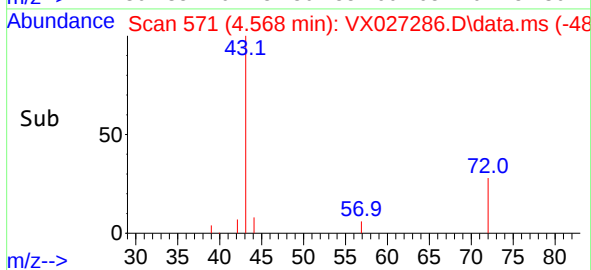
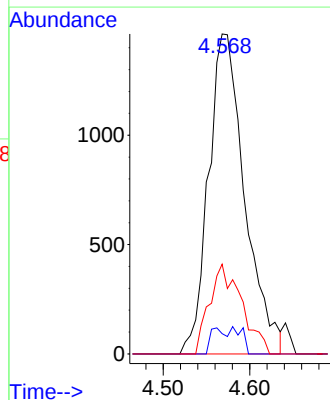
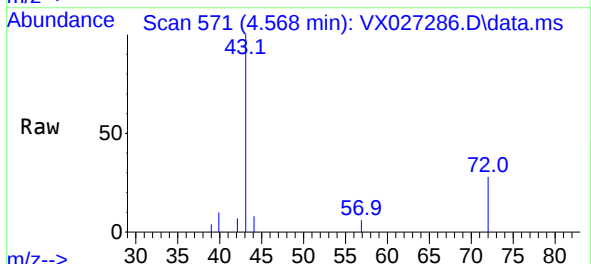


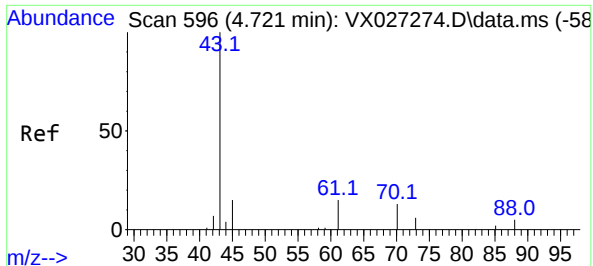
Tgt Ion:114 Resp: 66792
Ion Ratio Lower Upper
114 100
63 19.0 15.3 22.9
88 15.6 12.2 18.4



#30
2-Butanone
Concen: 7.358 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.006 min
Lab File: VX027286.D
Acq: 03 Mar 2022 22:10

Tgt Ion: 43 Resp: 4241
Ion Ratio Lower Upper
43 100
57 3.5 6.6 10.0#
72 14.1 22.1 33.1#





#43

Ethyl Acetate

Concen: 3.883 ug/l

RT: 4.568 min Scan# 51

Delta R.T. -0.153 min

Lab File: VX027286.D

Acq: 03 Mar 2022 22:10

Instrument :

MSVOA_X

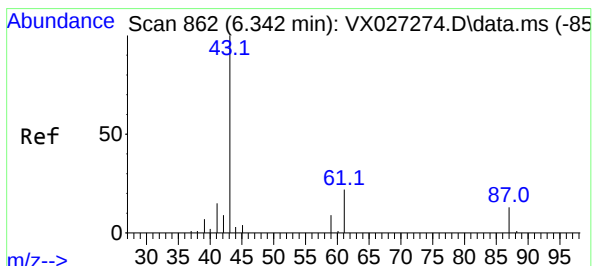
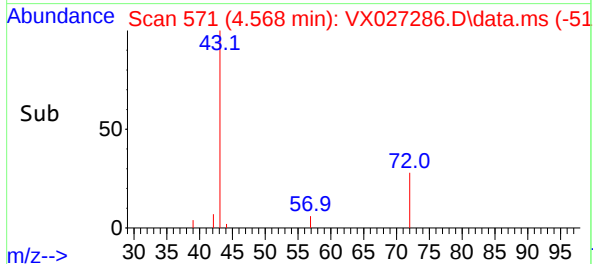
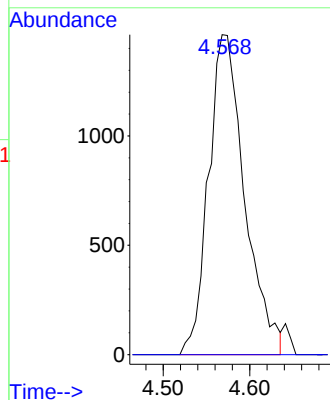
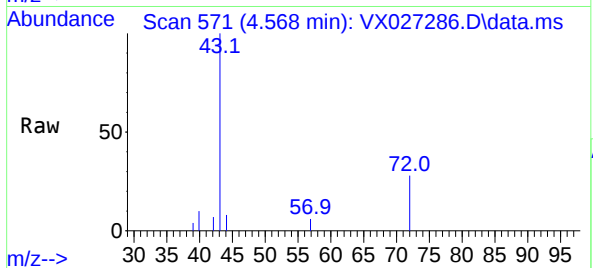
ClientSampleId :

Tgt Ion: 43 Resp: 4241

Ion Ratio Lower Upper

43 100

45 0.0 11.8 17.6#



#44

Isopropyl Acetate

Concen: 0.234 ug/l

RT: 6.647 min Scan# 912

Delta R.T. 0.305 min

Lab File: VX027286.D

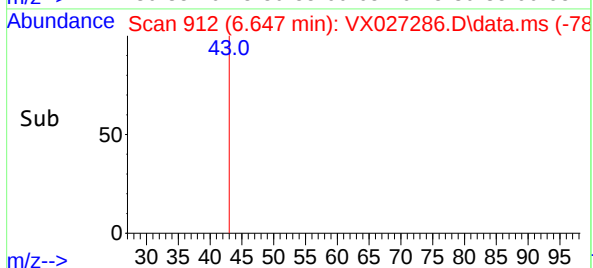
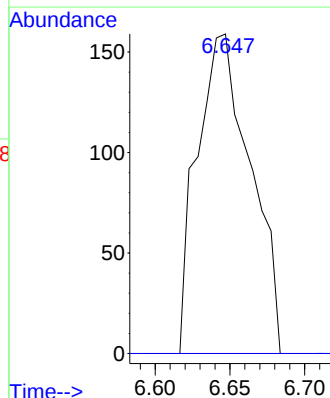
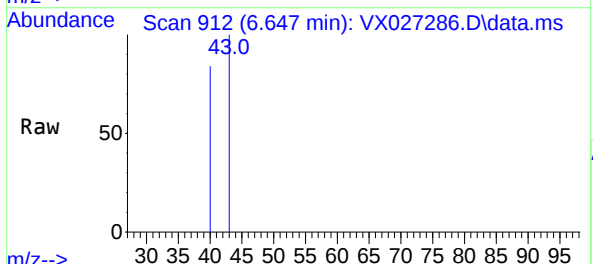
Acq: 03 Mar 2022 22:10

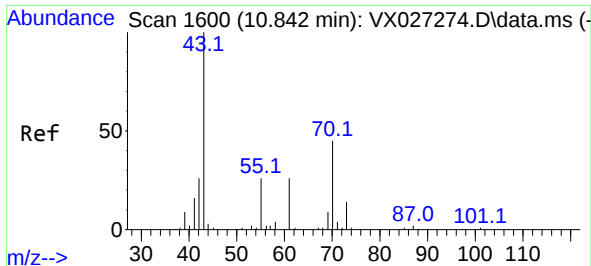
Tgt Ion: 43 Resp: 395

Ion Ratio Lower Upper

43 100

61 464.3 17.0 25.4#





#47

n-amy1 Acetate

Concen: 0.473 ug/l

RT: 10.774 min Scan# 11

Delta R.T. -0.067 min

Lab File: VX027286.D

Acq: 03 Mar 2022 22:10

Instrument :

MSVOA_X

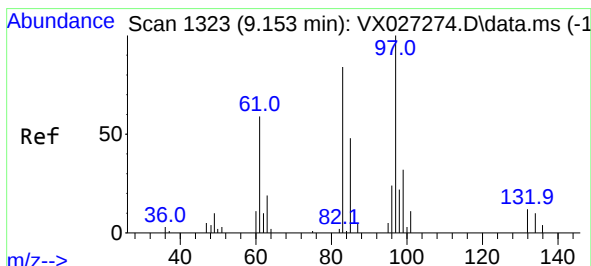
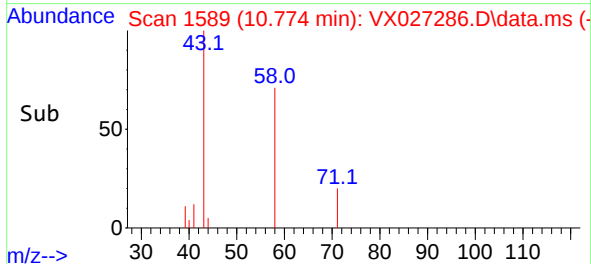
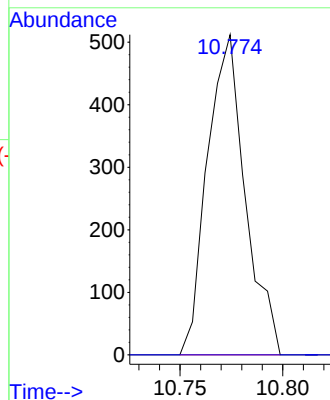
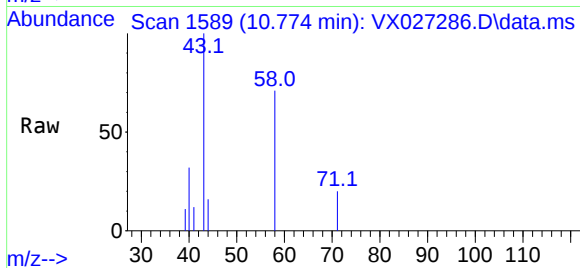
ClientSampleId :

Tgt Ion: 43 Resp: 658

Ion Ratio Lower Upper

43 100

55 0.0 20.4 30.6#



#50

1,1,2-Trichloroethane

Concen: 1.730 ug/l

RT: 8.848 min Scan# 1273

Delta R.T. -0.305 min

Lab File: VX027286.D

Acq: 03 Mar 2022 22:10

Tgt Ion: 97 Resp: 1347

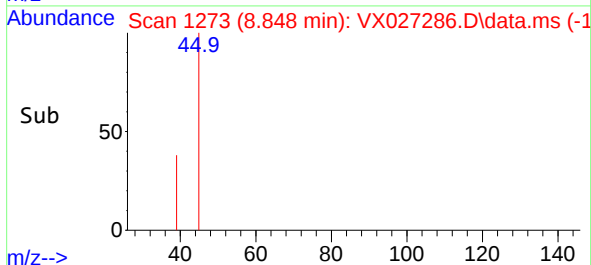
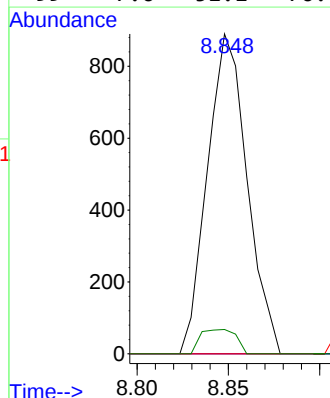
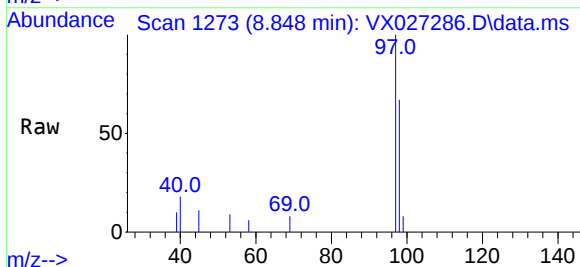
Ion Ratio Lower Upper

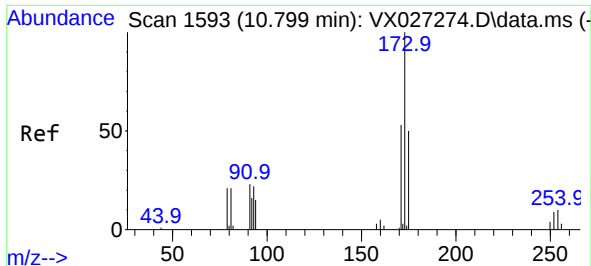
97 100

83 0.0 66.2 99.4#

85 0.0 40.4 60.6#

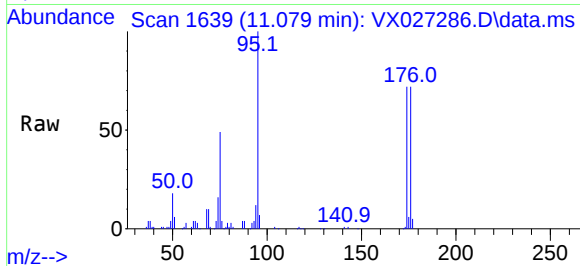
99 7.6 51.1 76.7#



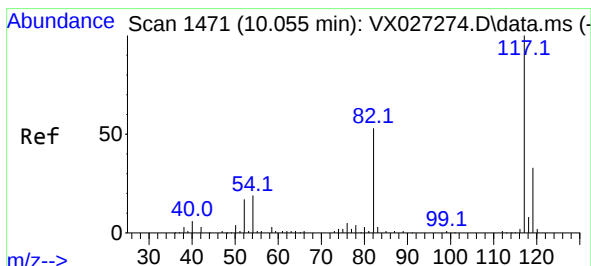
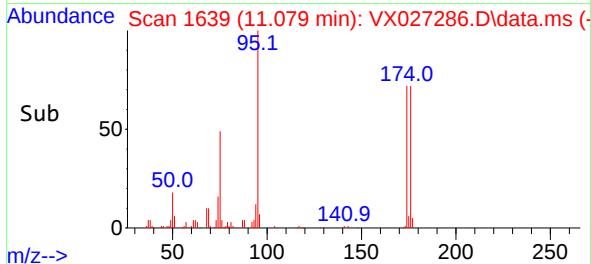
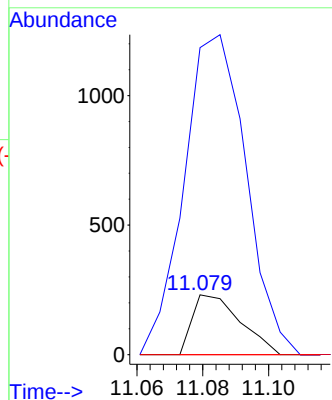


#56
Bromoform
Concen: 0.376 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.280 min
Lab File: VX027286.D
Acq: 03 Mar 2022 22:10

Instrument :
MSVOA_X
ClientSampleId :

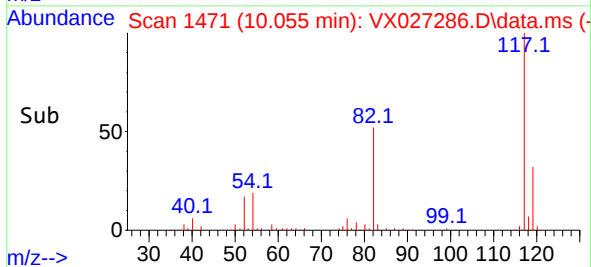
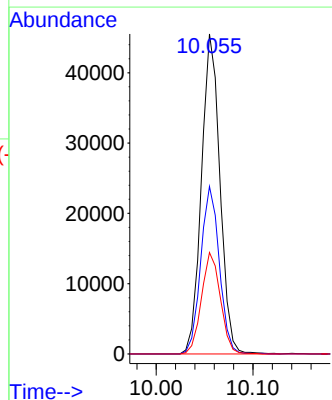
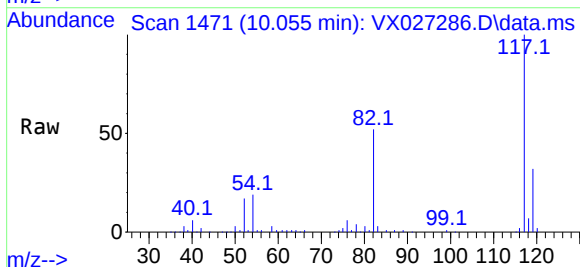


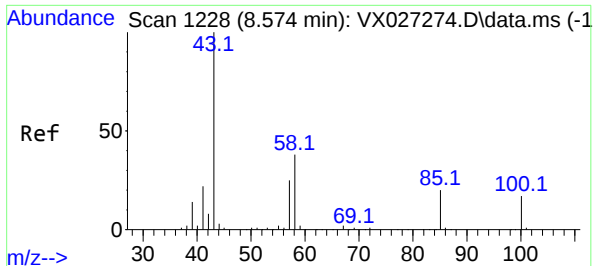
Tgt Ion:173 Resp: 234
Ion Ratio Lower Upper
173 100
175 691.9 40.3 60.5#
254 0.0 7.4 11.2#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX027286.D
Acq: 03 Mar 2022 22:10

Tgt Ion:117 Resp: 60700
Ion Ratio Lower Upper
117 100
82 52.6 42.3 63.5
119 32.4 26.2 39.2





#58

4-Methyl-2-Pentanone

Concen: 4.184 ug/l

RT: 8.580 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX027286.D

Acq: 03 Mar 2022 22:10

Instrument :

MSVOA_X

ClientSampleId :

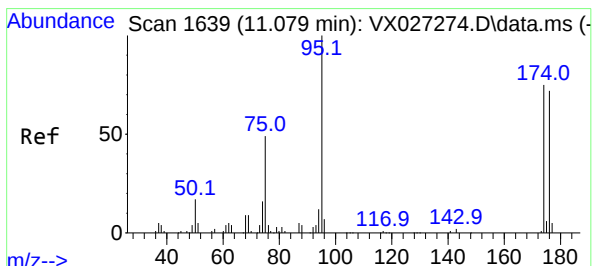
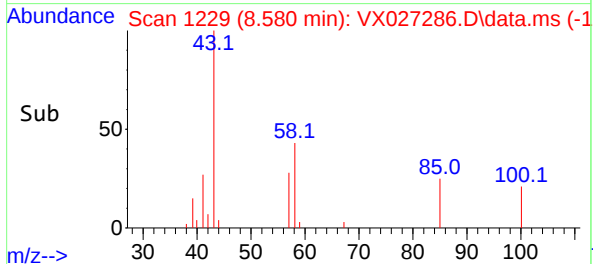
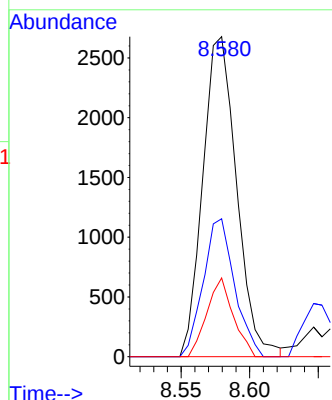
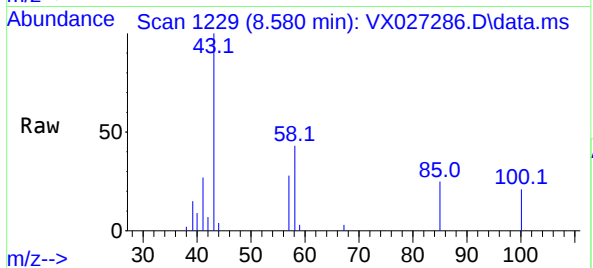
Tgt Ion: 43 Resp: 4594

Ion Ratio Lower Upper

43 100

58 39.9 31.8 47.6

85 19.2 15.8 23.6



#60

4-Bromofluorobenzene

Concen: 28.519 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.006 min

Lab File: VX027286.D

Acq: 03 Mar 2022 22:10

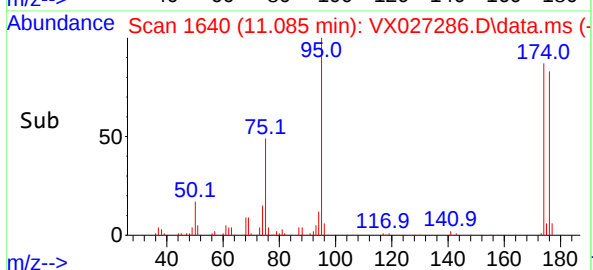
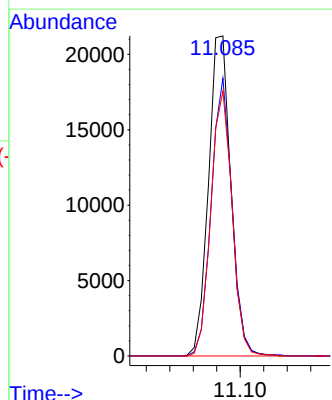
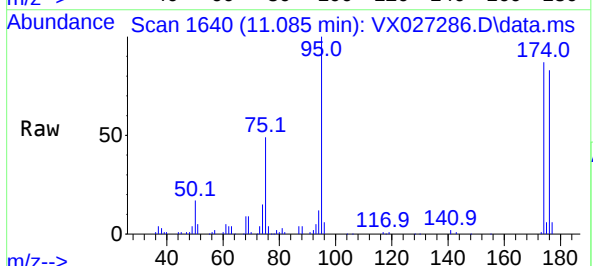
Tgt Ion: 95 Resp: 28044

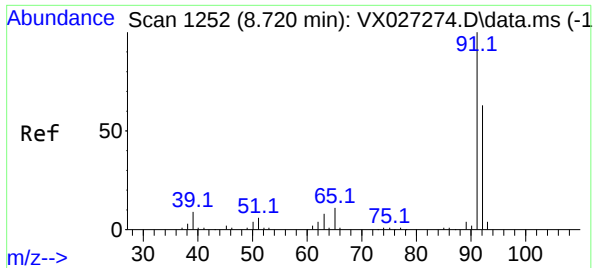
Ion Ratio Lower Upper

95 100

174 80.5 65.4 98.2

176 78.3 63.4 95.0

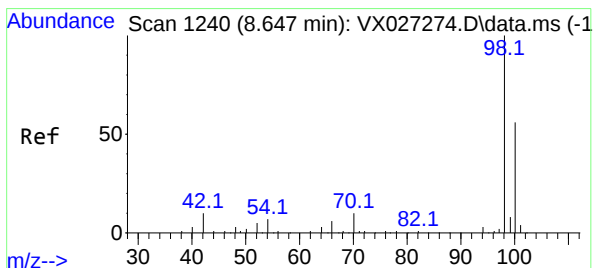
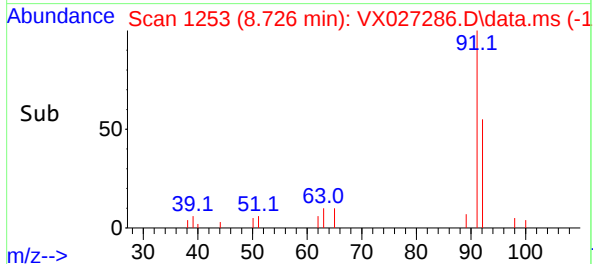
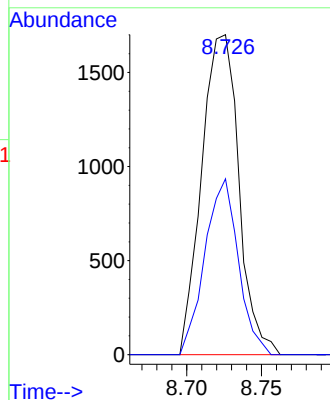
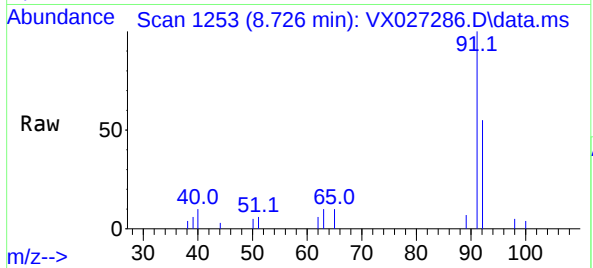




#62
Toluene
Concen: 0.890 ug/l
RT: 8.726 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX027286.D
Acq: 03 Mar 2022 22:10

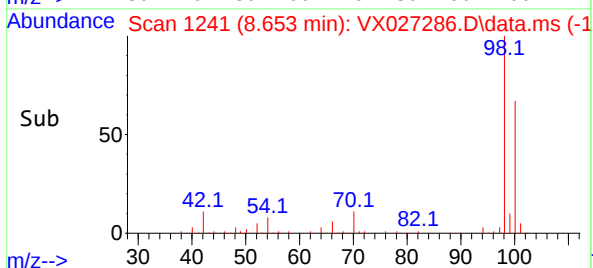
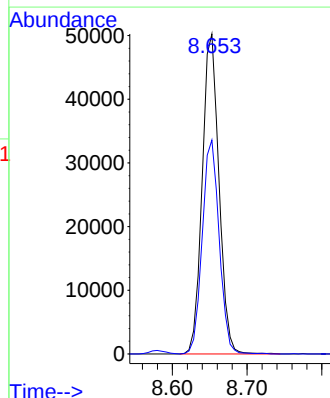
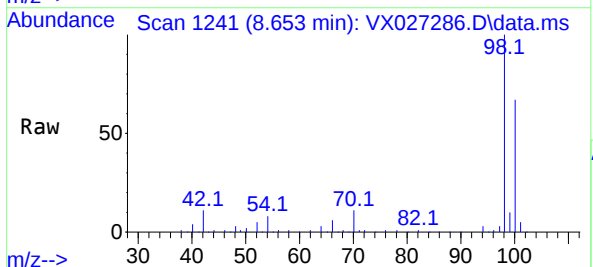
Instrument :
MSVOA_X
ClientSampleId :

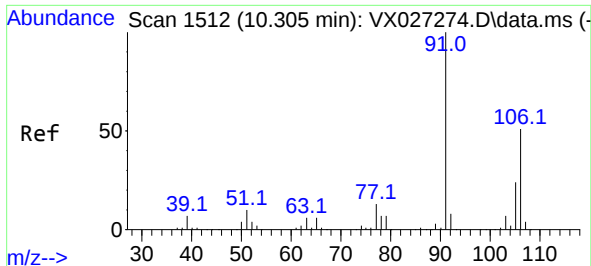
Tgt Ion: 91 Resp: 2943
Ion Ratio Lower Upper
91 100
92 49.4 48.1 72.1



#63
Toluene-d8
Concen: 29.427 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX027286.D
Acq: 03 Mar 2022 22:10

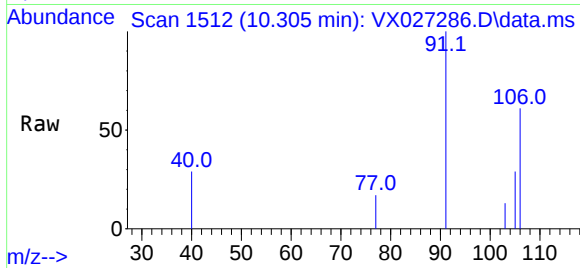
Tgt Ion: 98 Resp: 78087
Ion Ratio Lower Upper
98 100
100 67.5 51.4 77.2



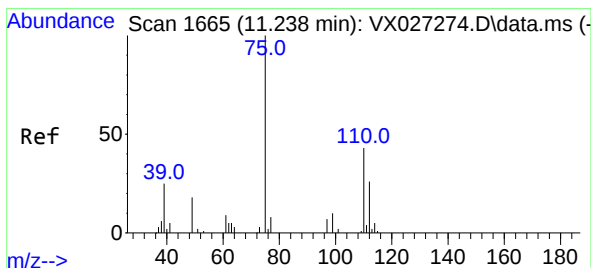
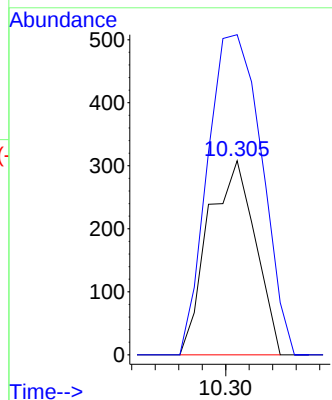
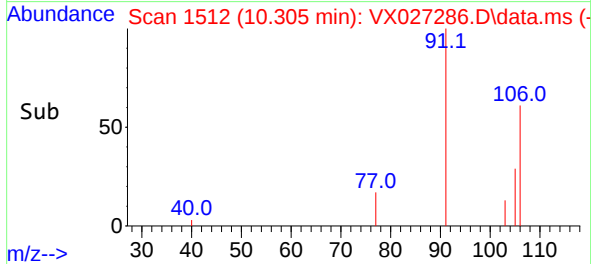


#67
m/p-Xylenes
Concen: 0.293 ug/l
RT: 10.305 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX027286.D
Acq: 03 Mar 2022 22:10

Instrument :
MSVOA_X
ClientSampleId :

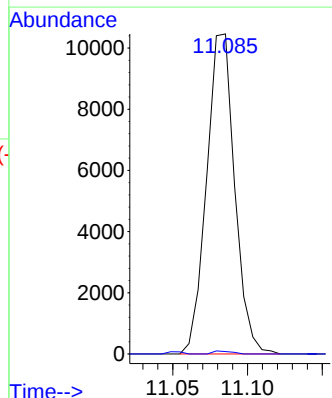
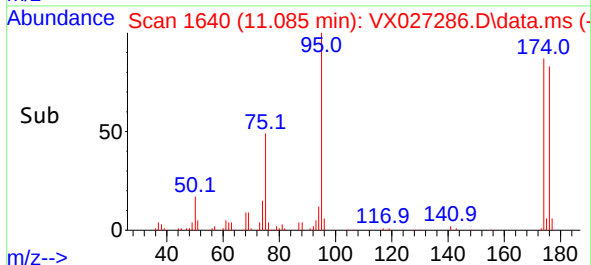
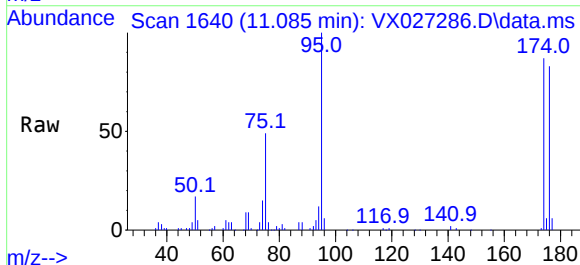


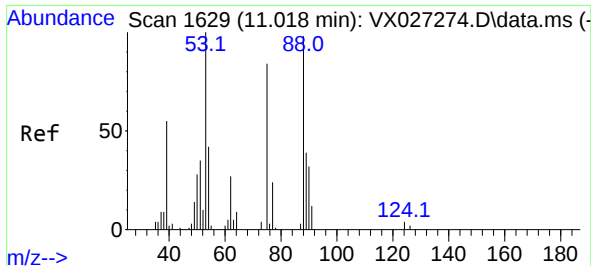
Tgt Ion:106 Resp: 428
Ion Ratio Lower Upper
106 100
91 190.0 159.5 239.3



#72
1,2,3-Trichloropropane
Concen: 12.867 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.153 min
Lab File: VX027286.D
Acq: 03 Mar 2022 22:10

Tgt Ion: 75 Resp: 13707
Ion Ratio Lower Upper
75 100
77 0.6 0.0 78.6





#77

t-1,4-Dichloro-2-butene

Concen: 43.434 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.067 min

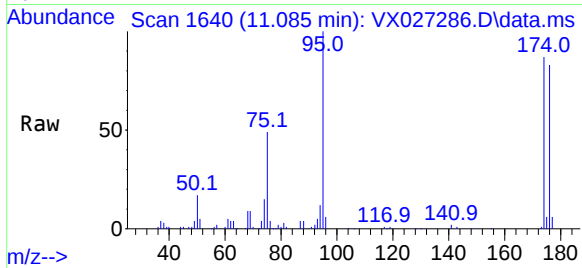
Lab File: VX027286.D

Acq: 03 Mar 2022 22:10

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 75 Resp: 13707

Ion Ratio Lower Upper

75 100

53 0.0 59.7 179.1#

89 0.0 23.1 69.2#

