

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030322\
 Data File : VX027284.D
 Acq On : 03 Mar 2022 21:23
 Operator : JC/MD
 Sample : N1769-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 04 02:42:14 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)

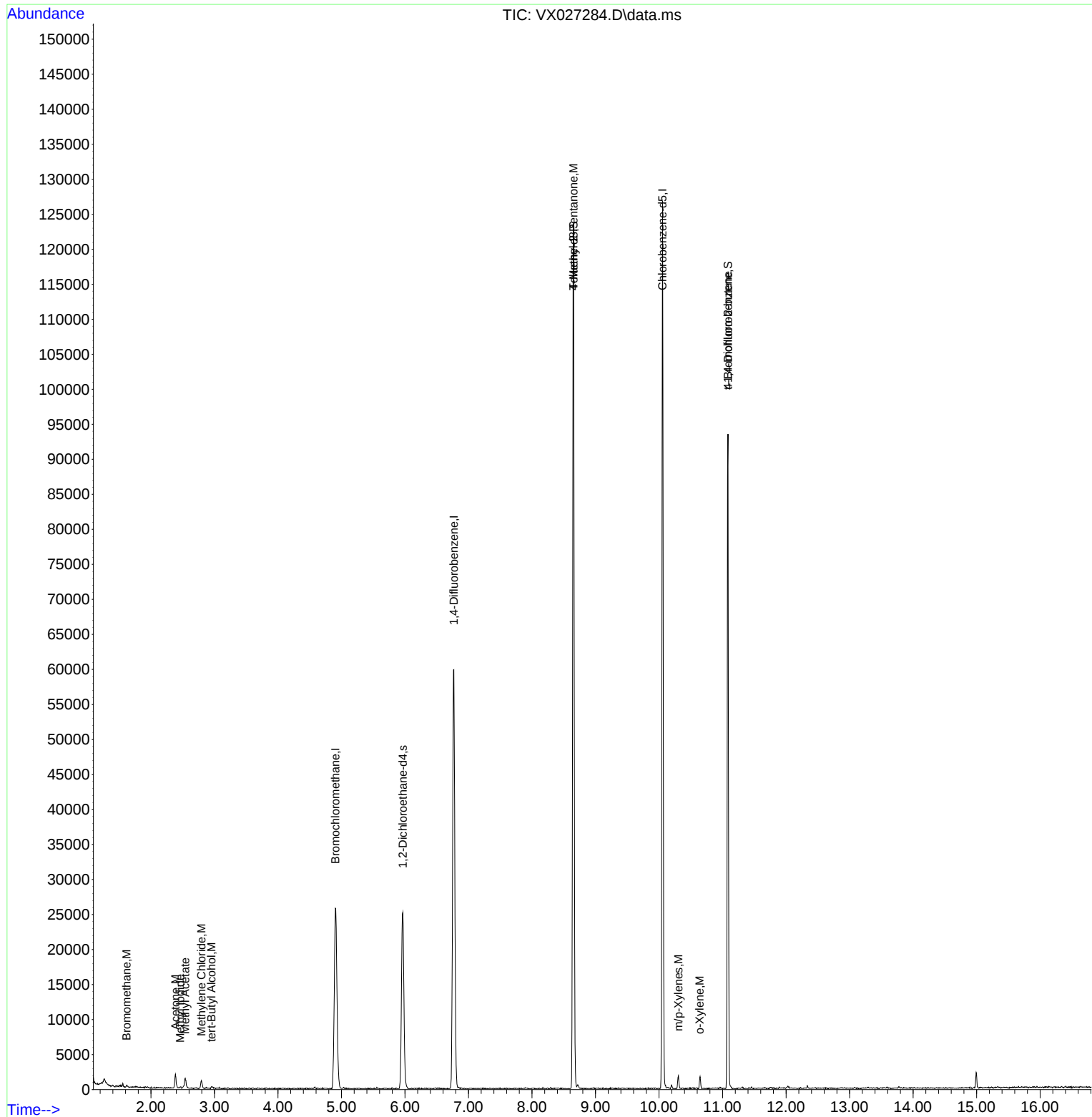
Internal Standards						
1) Bromochloromethane	4.904	128	11922	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	64642	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	57449	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	25359	30.725	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.400%
60) 4-Bromofluorobenzene	11.085	95	25663	27.574	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.900%
63) Toluene-d8	8.653	98	74379	29.616	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.733%
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	124	0.393	ug/l	99
11) Methyl Iodide	2.459	142	204	0.256	ug/l #	40
12) Methyl Acetate	2.538	43	412	0.464	ug/l #	47
15) Acetone	2.386	58	622	5.409	ug/l	96
18) Methylene Chloride	2.794	84	495	0.642	ug/l #	85
23) tert-Butyl Alcohol	2.953	59	156	0.983	ug/l #	100
58) 4-Methyl-2-Pentanone	8.653	43	223	0.215	ug/l #	1
67) m/p-Xylenes	10.305	106	577	0.418	ug/l	94
68) o-Xylene	10.640	106	491	0.364	ug/l	95
77) t-1,4-Dichloro-2-butene	11.085	75	12394	41.496	ug/l #	3

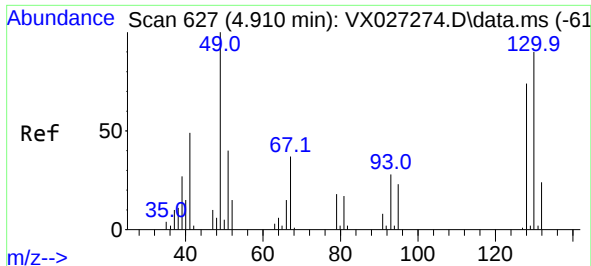
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030322\
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ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

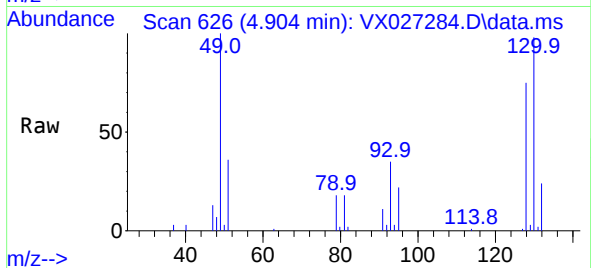
Quant Time: Mar 04 02:42:14 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X030322W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Mar 04 01:00:22 2022
Response via : Initial Calibration



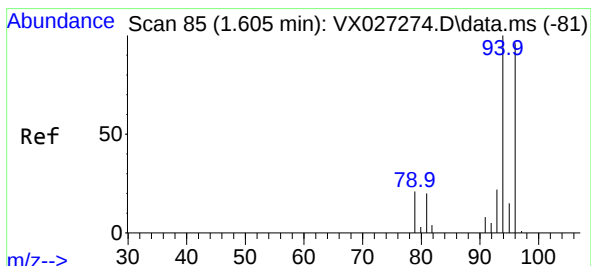
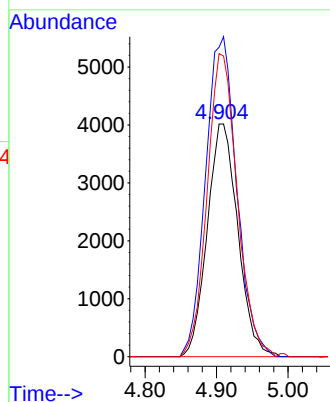
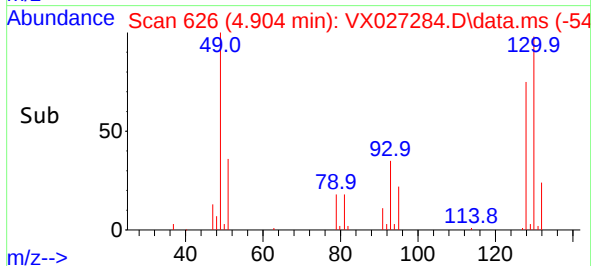


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX027284.D
Acq: 03 Mar 2022 21:23

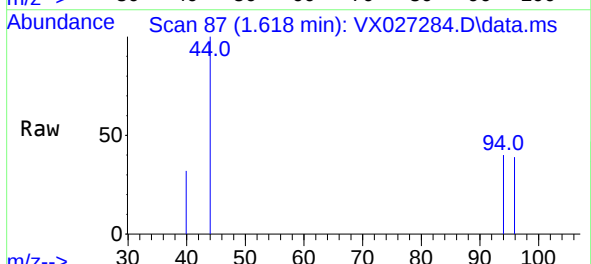
Instrument :
MSVOA_X
ClientSampleId :



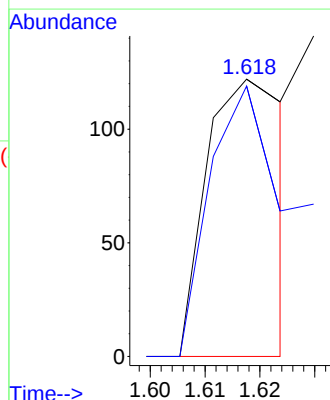
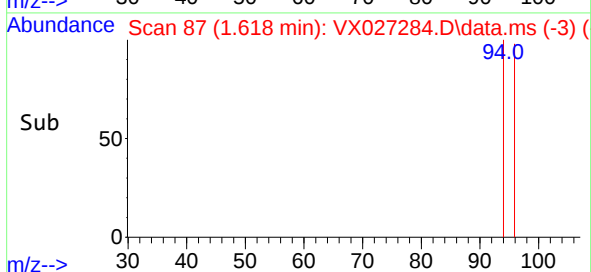
Tgt Ion:128 Resp: 11922
Ion Ratio Lower Upper
128 100
49 140.1 0.0 358.3
130 128.2 0.0 319.3

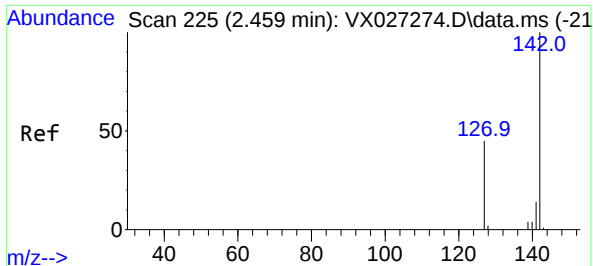


#5
Bromomethane
Concen: 0.393 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.012 min
Lab File: VX027284.D
Acq: 03 Mar 2022 21:23



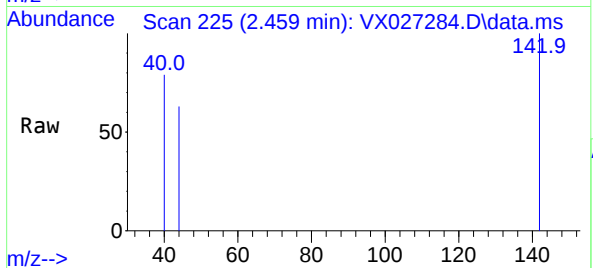
Tgt Ion: 94 Resp: 124
Ion Ratio Lower Upper
94 100
96 97.5 77.0 115.6



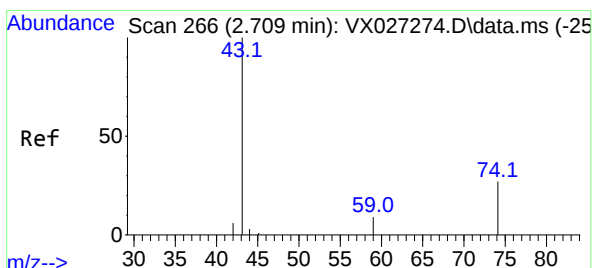
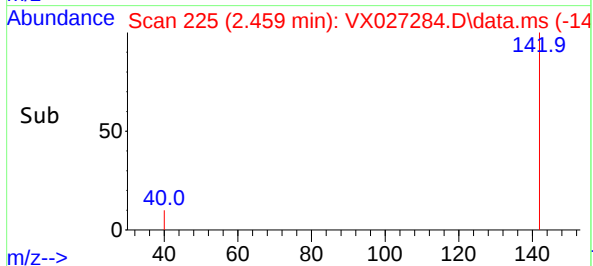
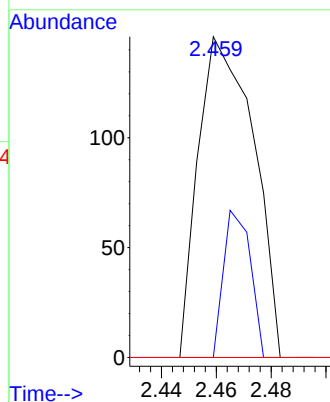


#11
Methyl Iodide
Concen: 0.256 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX027284.D
Acq: 03 Mar 2022 21:23

Instrument :
MSVOA_X
ClientSampleId :

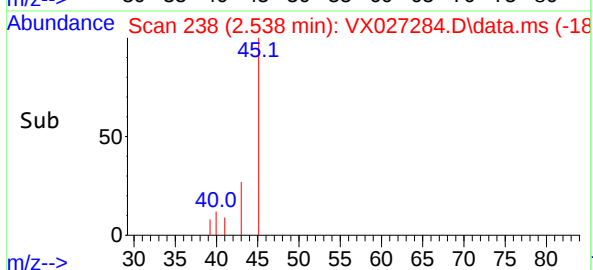
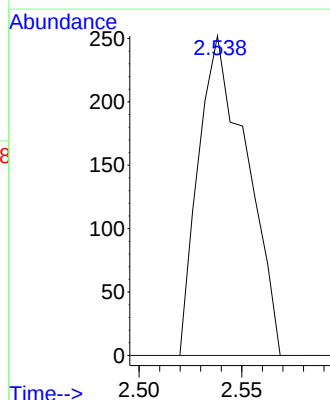
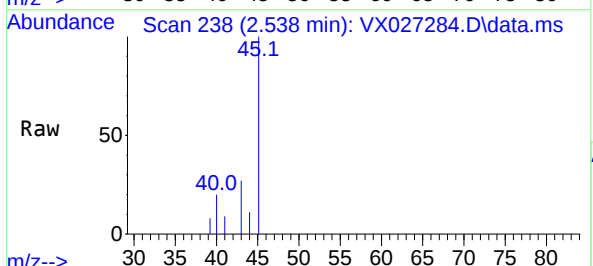


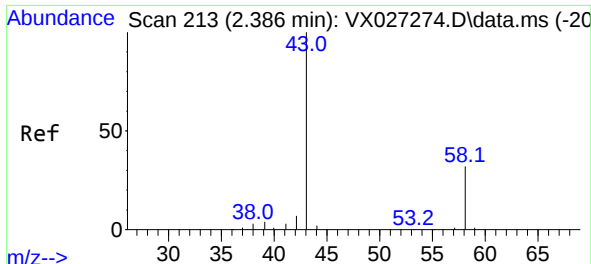
Tgt Ion:142 Resp: 204
Ion Ratio Lower Upper
142 100
127 0.0 22.3 66.9#
141 0.0 7.0 20.9#



#12
Methyl Acetate
Concen: 0.464 ug/l
RT: 2.538 min Scan# 238
Delta R.T. -0.171 min
Lab File: VX027284.D
Acq: 03 Mar 2022 21:23

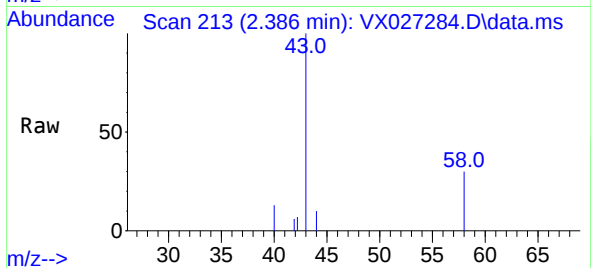
Tgt Ion: 43 Resp: 412
Ion Ratio Lower Upper
43 100
74 0.0 22.1 33.1#



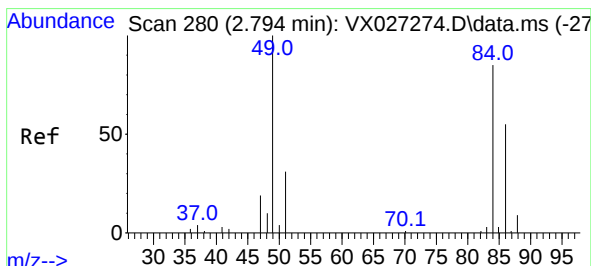
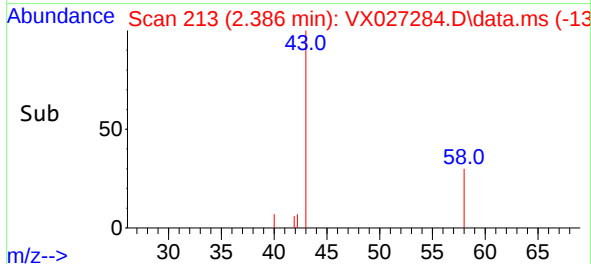
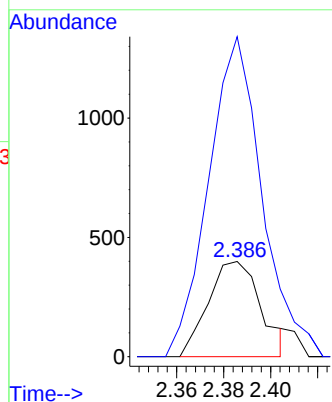


#15
Acetone
Concen: 5.409 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX027284.D
Acq: 03 Mar 2022 21:23

Instrument :
MSVOA_X
ClientSampleId :

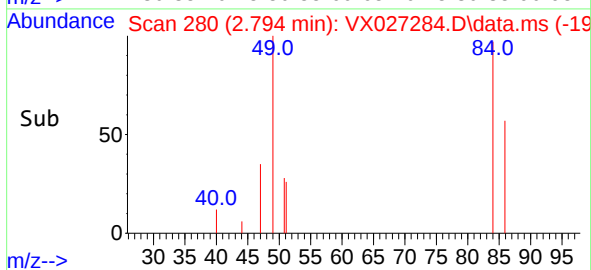
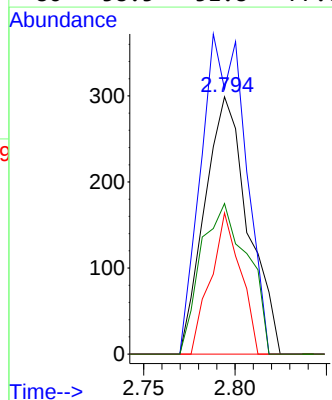
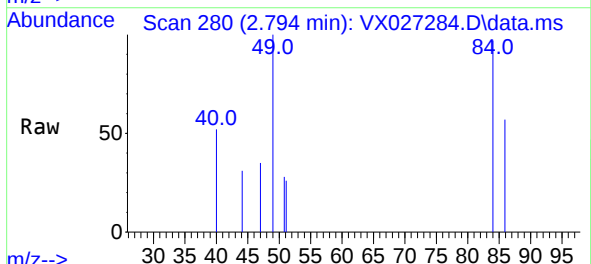


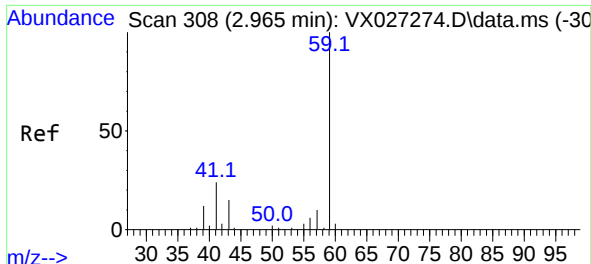
Tgt Ion: 58 Resp: 622
Ion Ratio Lower Upper
58 100
43 304.0 250.2 375.2



#18
Methylene Chloride
Concen: 0.642 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX027284.D
Acq: 03 Mar 2022 21:23

Tgt Ion: 84 Resp: 495
Ion Ratio Lower Upper
84 100
49 103.0 94.2 141.2
51 54.8 29.2 43.8
86 58.5 51.8 77.6

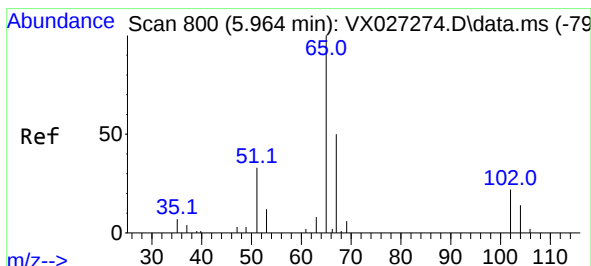
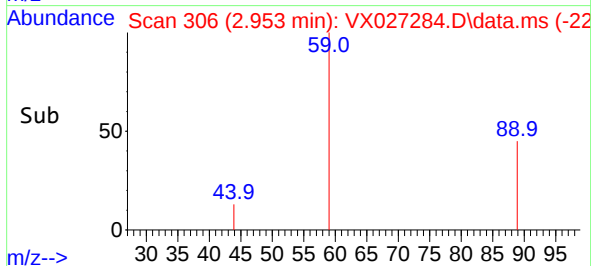
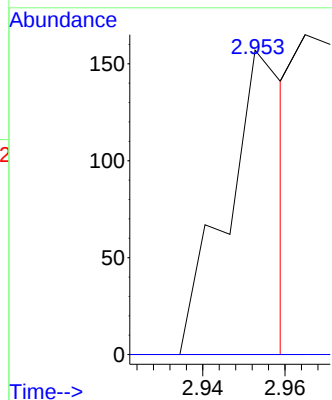
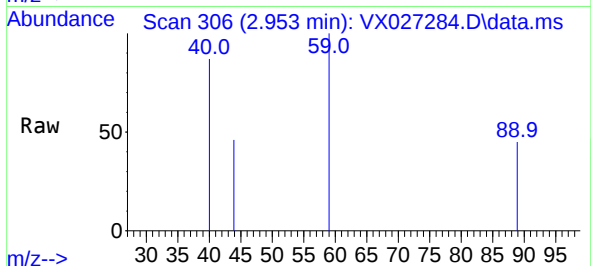




#23
tert-Butyl Alcohol
Concen: 0.983 ug/l
RT: 2.953 min Scan# 30
Delta R.T. -0.012 min
Lab File: VX027284.D
Acq: 03 Mar 2022 21:23

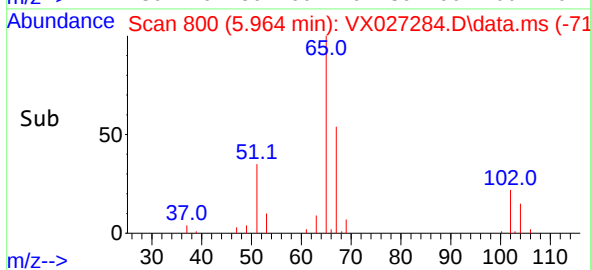
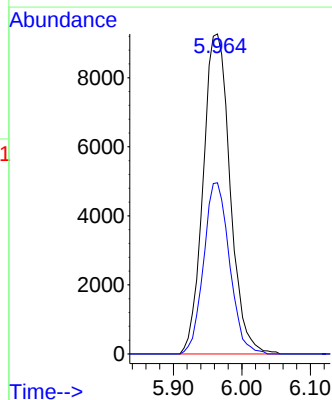
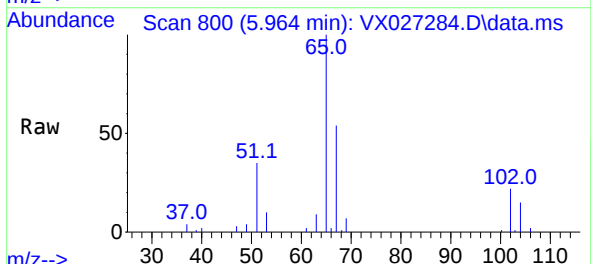
Instrument :
MSVOA_X
ClientSampleId :

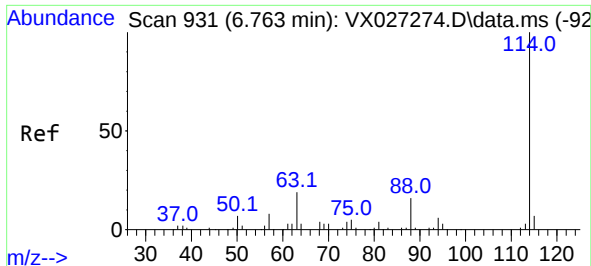
Tgt Ion: 59 Resp: 156
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 30.725 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX027284.D
Acq: 03 Mar 2022 21:23

Tgt Ion: 65 Resp: 25359
Ion Ratio Lower Upper
65 100
67 51.3 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: VX027284.D

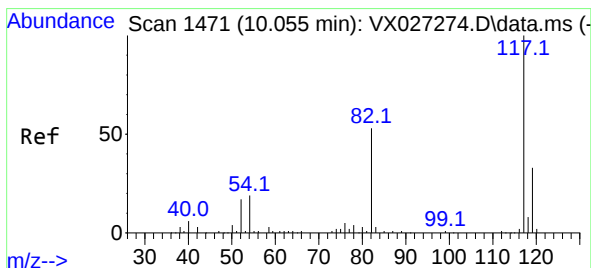
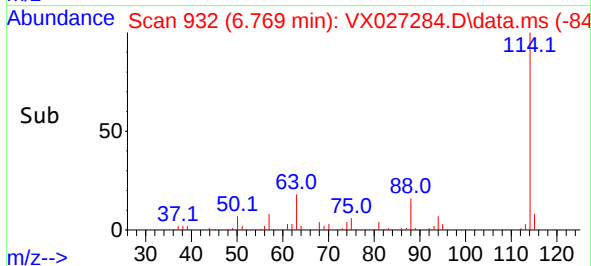
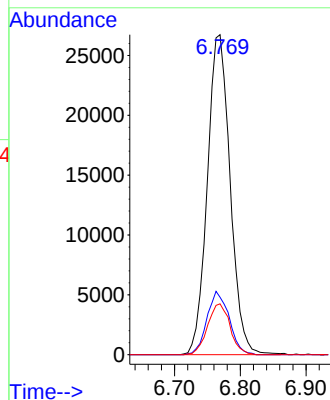
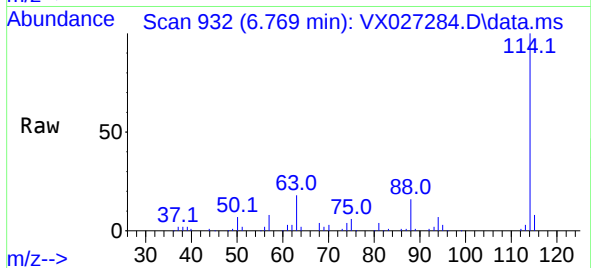
Acq: 03 Mar 2022 21:23

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:114	Resp:	64642
Ion Ratio	Lower	Upper
114	100	
63	19.2	15.3 22.9
88	15.6	12.2 18.4



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

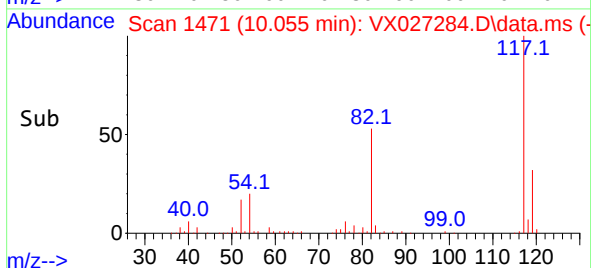
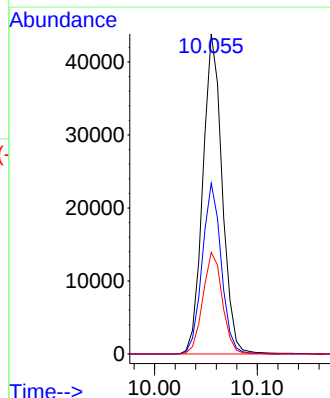
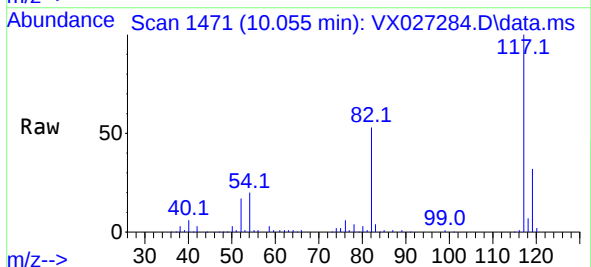
RT: 10.055 min Scan# 1471

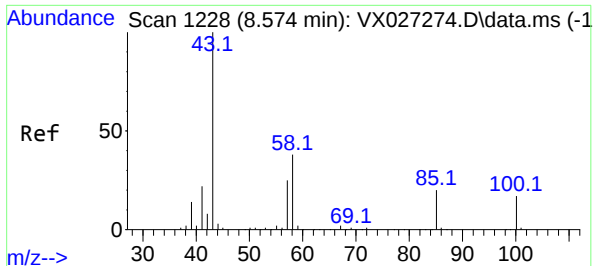
Delta R.T. 0.000 min

Lab File: VX027284.D

Acq: 03 Mar 2022 21:23

Tgt Ion:117	Resp:	57449
Ion Ratio	Lower	Upper
117	100	
82	52.6	42.3 63.5
119	32.0	26.2 39.2





#58

4-Methyl-2-Pentanone

Concen: 0.215 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.079 min

Lab File: VX027284.D

Acq: 03 Mar 2022 21:23

Instrument :

MSVOA_X

ClientSampleId :

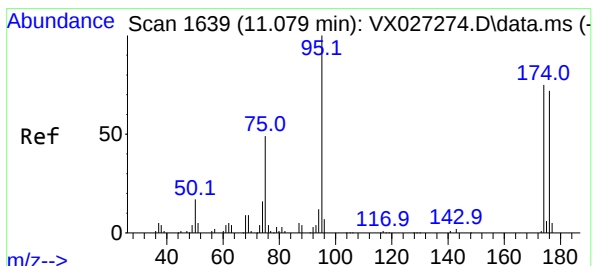
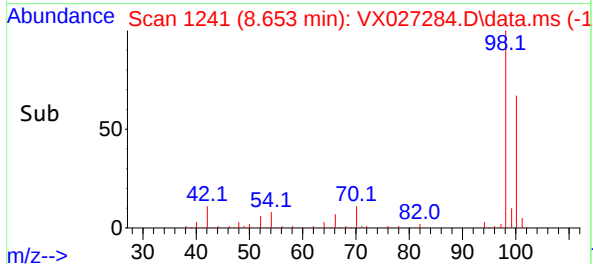
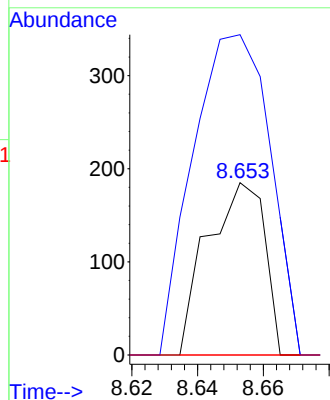
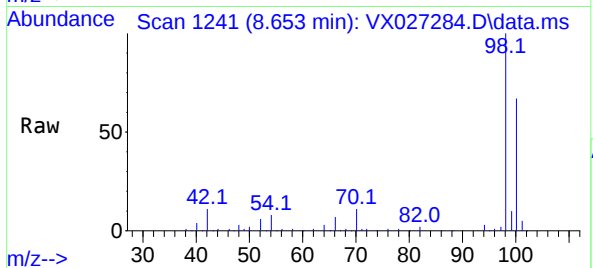
Tgt Ion: 43 Resp: 223

Ion Ratio Lower Upper

43 100

58 251.1 31.8 47.6#

85 0.0 15.8 23.6#



#60

4-Bromofluorobenzene

Concen: 27.574 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.006 min

Lab File: VX027284.D

Acq: 03 Mar 2022 21:23

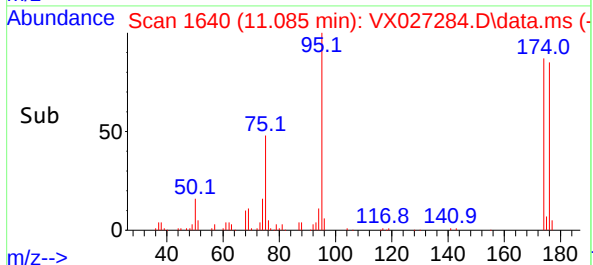
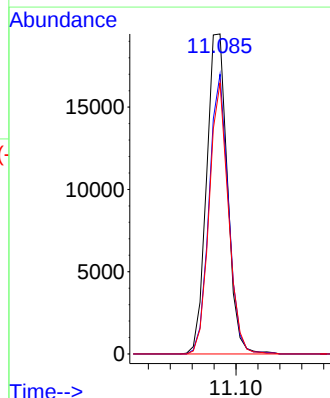
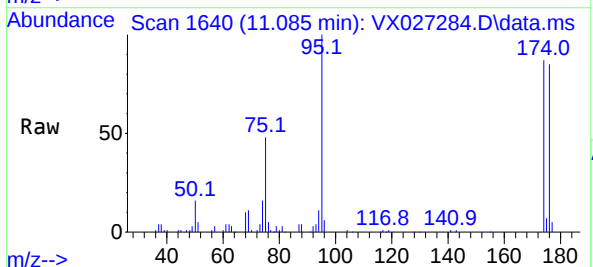
Tgt Ion: 95 Resp: 25663

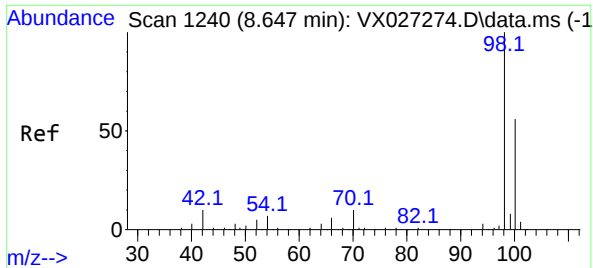
Ion Ratio Lower Upper

95 100

174 81.0 65.4 98.2

176 77.9 63.4 95.0

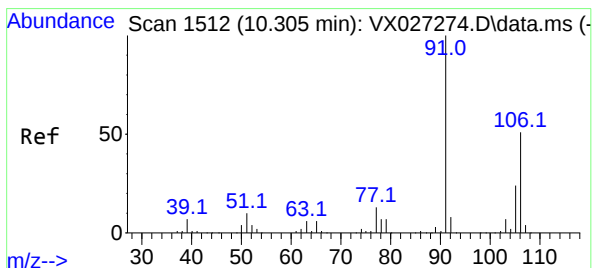
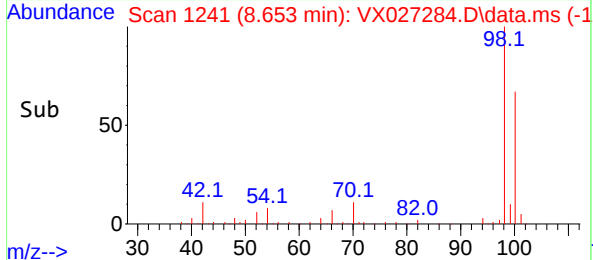
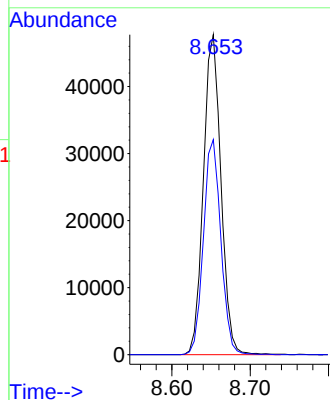
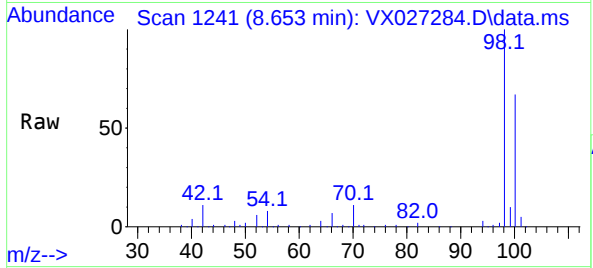




#63
Toluene-d8
Concen: 29.616 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX027284.D
Acq: 03 Mar 2022 21:23

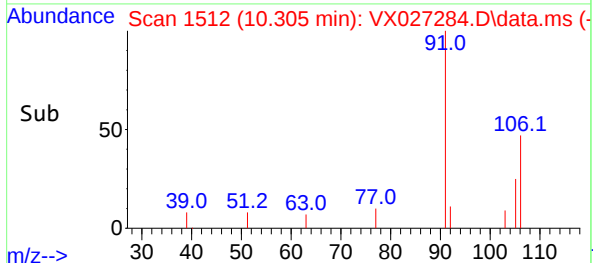
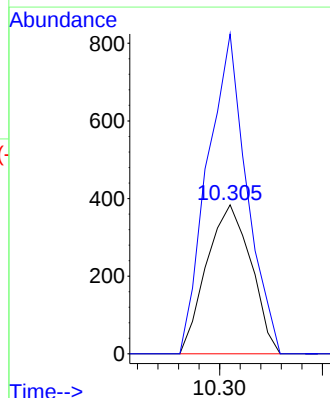
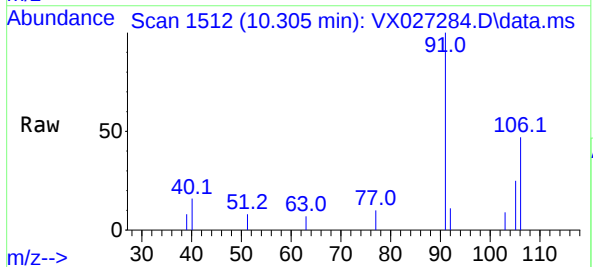
Instrument :
MSVOA_X
ClientSampleId :

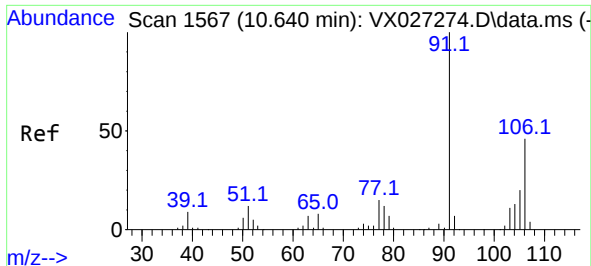
Tgt Ion: 98 Resp: 74379
Ion Ratio Lower Upper
98 100
100 66.5 51.4 77.2



#67
m/p-Xylenes
Concen: 0.418 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX027284.D
Acq: 03 Mar 2022 21:23

Tgt Ion: 106 Resp: 577
Ion Ratio Lower Upper
106 100
91 190.1 159.5 239.3

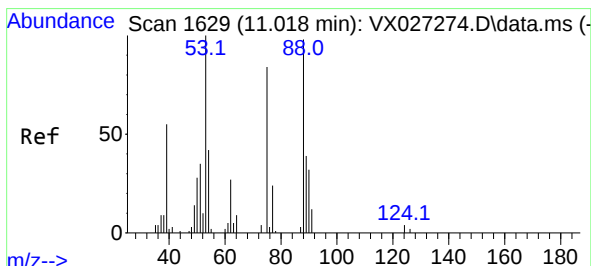
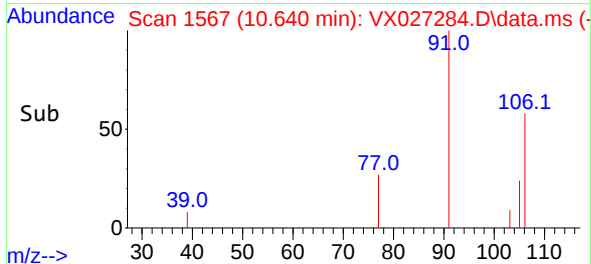
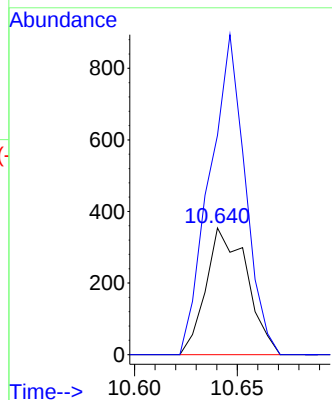
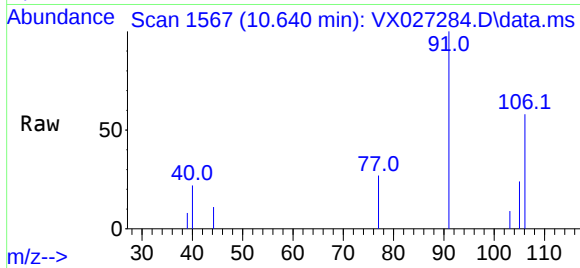




#68
o-Xylene
Concen: 0.364 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027284.D
Acq: 03 Mar 2022 21:23

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:106 Resp: 491
Ion Ratio Lower Upper
106 100
91 218.9 105.4 316.2



#77
t-1,4-Dichloro-2-butene
Concen: 41.496 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX027284.D
Acq: 03 Mar 2022 21:23

Tgt Ion: 75 Resp: 12394
Ion Ratio Lower Upper
75 100
53 0.0 59.7 179.1#
89 0.0 23.1 69.2#

