

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050522\
 Data File : VX028536.D
 Acq On : 05 May 2022 16:01
 Operator : JC/MD
 Sample : N2701-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 002-35TH-AVE(MAY)

Quant Time: May 06 02:27:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X042822W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 29 06:09:36 2022
 Response via : Initial Calibration

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

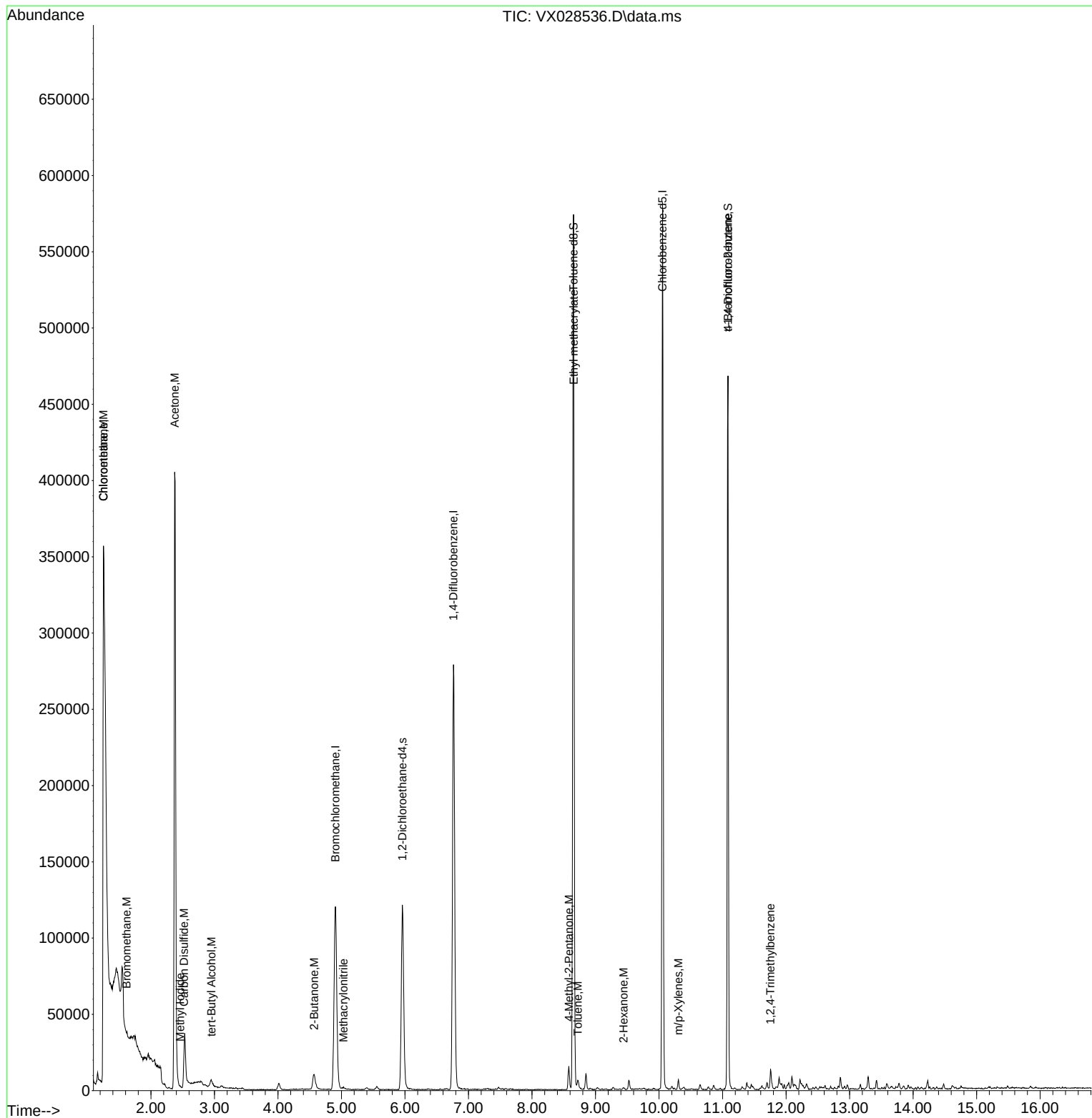
Internal Standards						
1) Bromochloromethane	4.904	128	55752	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	299815	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	272909	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	112928	31.850	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 106.167%			
60) 4-Bromofluorobenzene	11.085	95	119987	28.271	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 94.233%			
63) Toluene-d8	8.653	98	354015	30.621	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.067%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.252	50	18318	11.780	ug/l #	45
5) Bromomethane	1.618	94	948	0.582	ug/l	90
6) Chloroethane	1.252	64	780432	512.636	ug/l #	50
11) Methyl Iodide	2.459	142	737	0.261	ug/l	94
15) Acetone	2.374	58	137758	318.410	ug/l	93
16) Carbon Disulfide	2.520	76	13133	5.287	ug/l	98
23) tert-Butyl Alcohol	2.953	59	2980	3.612	ug/l #	100
30) 2-Butanone	4.568	43	15595	7.759	ug/l #	83
35) Methacrylonitrile	5.032	41	448	0.221	ug/l #	43
51) Ethyl methacrylate	8.659	69	1238	0.269	ug/l	90
58) 4-Methyl-2-Pentanone	8.580	43	8544	2.152	ug/l	97
59) 2-Hexanone	9.439	43	629	0.205	ug/l	97
62) Toluene	8.720	91	3566	0.301	ug/l	95
67) m/p-Xylenes	10.305	106	1375	0.246	ug/l	79
77) t-1,4-Dichloro-2-butene	11.085	75	60509	44.722	ug/l #	3
80) 1,2,4-Trimethylbenzene	11.756	105	4871	0.391	ug/l	85

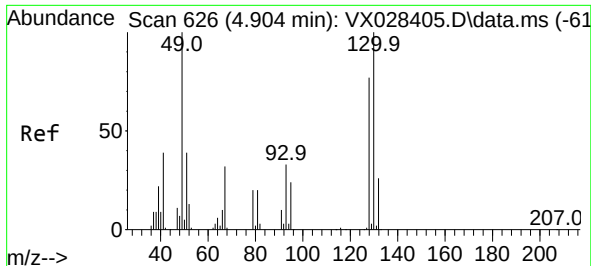
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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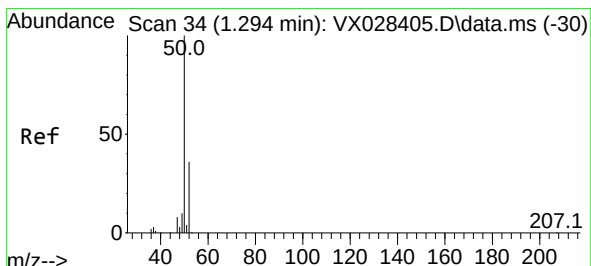
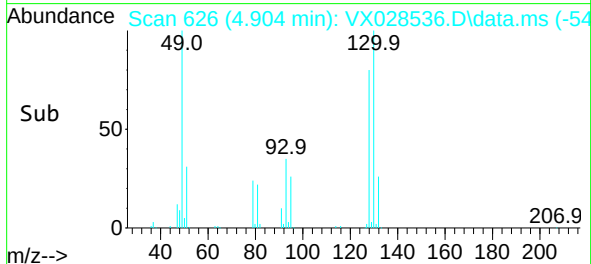
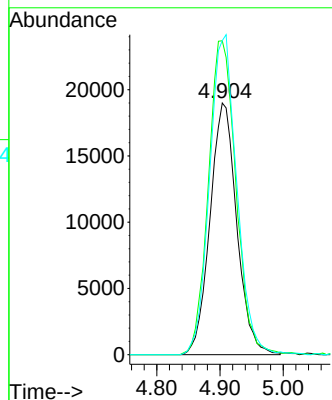
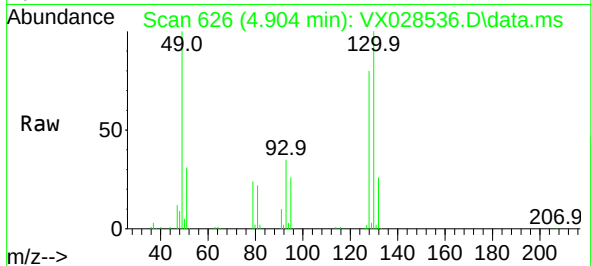




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX028536.D
Acq: 05 May 2022 16:01

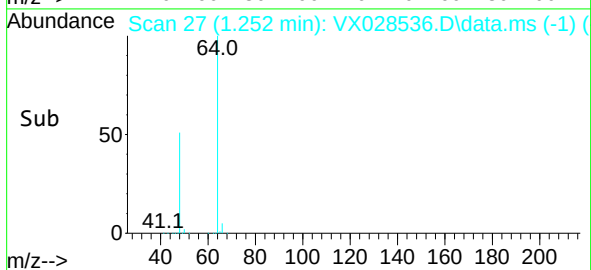
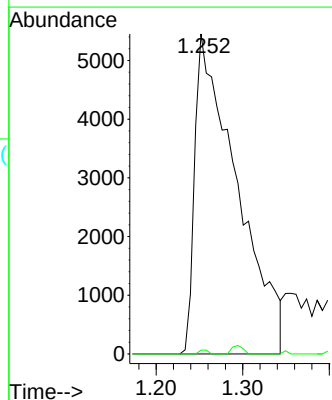
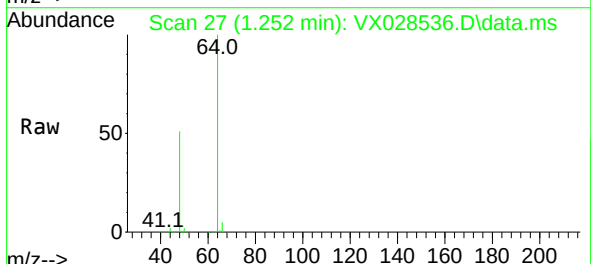
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(MAY)

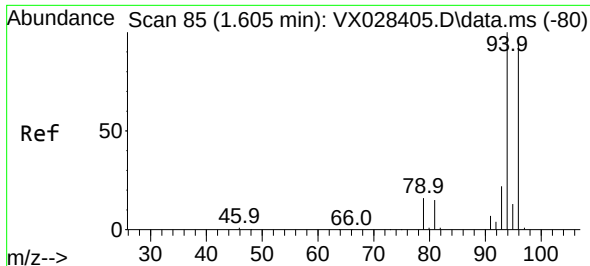
Tgt Ion:128 Resp: 55752
Ion Ratio Lower Upper
128 100
49 128.9 0.0 358.3
130 129.0 0.0 319.3



#3
Chloromethane
Concen: 11.780 ug/l
RT: 1.252 min Scan# 27
Delta R.T. -0.043 min
Lab File: VX028536.D
Acq: 05 May 2022 16:01

Tgt Ion: 50 Resp: 18318
Ion Ratio Lower Upper
50 100
52 1.2 25.6 38.4#

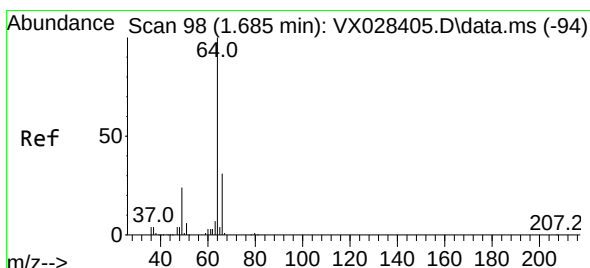
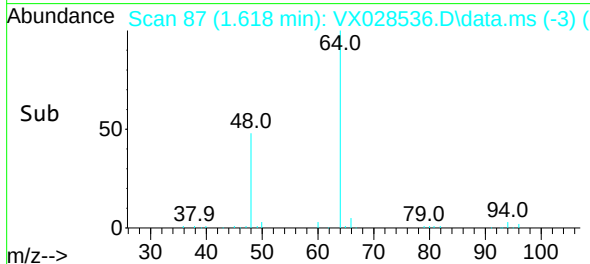
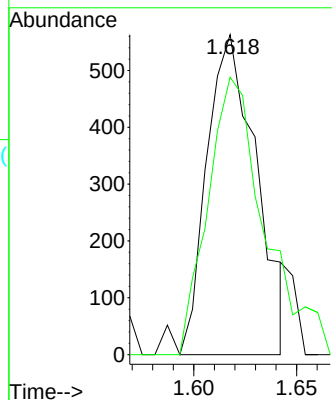
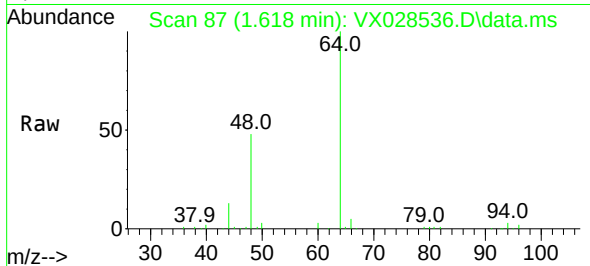




#5
Bromomethane
Concen: 0.582 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX028536.D
Acq: 05 May 2022 16:01

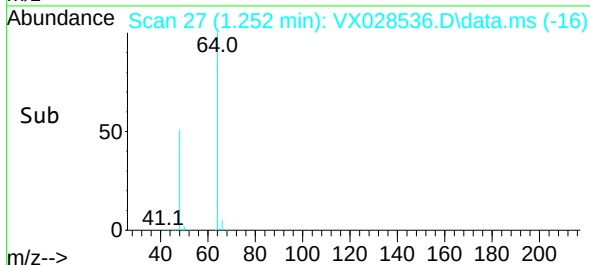
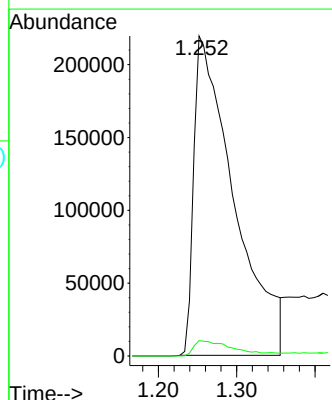
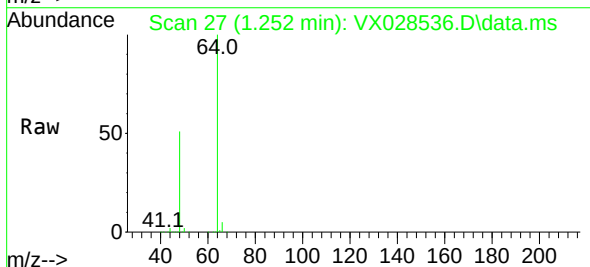
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(MAY)

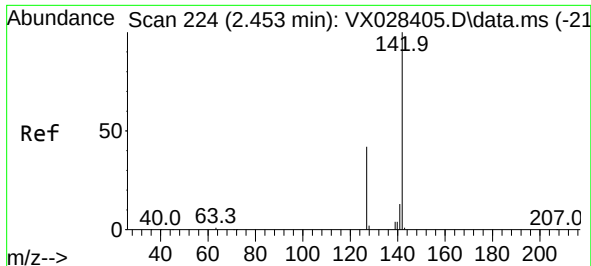
Tgt Ion: 94 Resp: 948
Ion Ratio Lower Upper
94 100
96 86.7 77.0 115.6



#6
Chloroethane
Concen: 512.636 ug/l
RT: 1.252 min Scan# 27
Delta R.T. -0.433 min
Lab File: VX028536.D
Acq: 05 May 2022 16:01

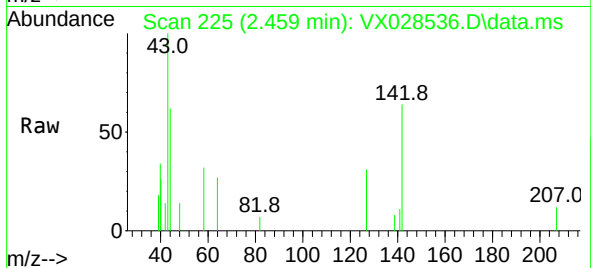
Tgt Ion: 64 Resp: 780432
Ion Ratio Lower Upper
64 100
66 4.8 26.4 39.6#



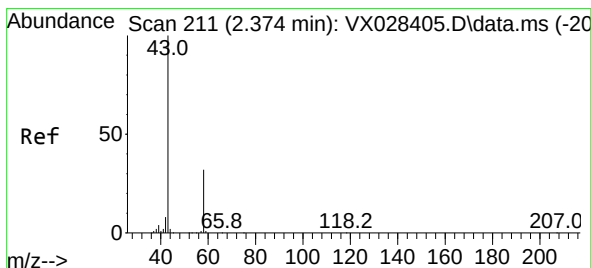
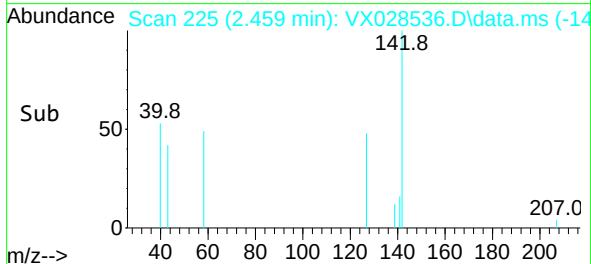
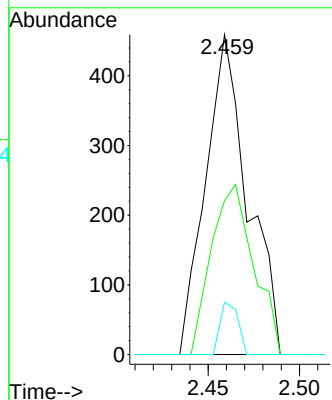


#11
Methyl Iodide
Concen: 0.261 ug/l
RT: 2.459 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX028536.D
Acq: 05 May 2022 16:01

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(MAY)

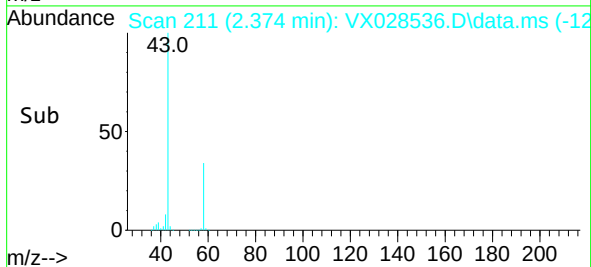
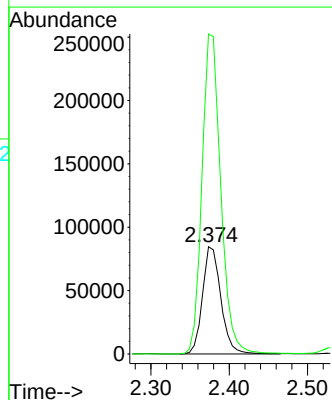
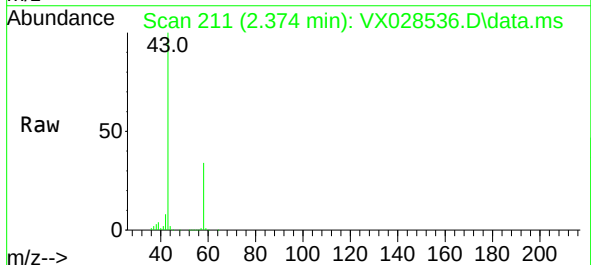


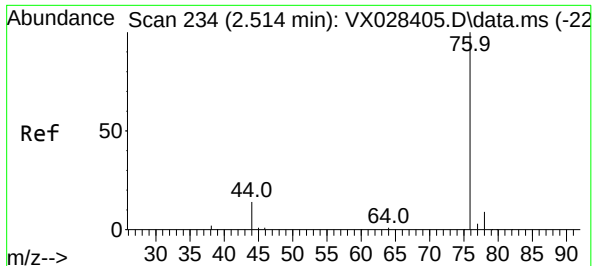
Tgt Ion:142 Resp: 737
Ion Ratio Lower Upper
142 100
127 48.1 22.3 66.9
141 16.3 7.0 20.9



#15
Acetone
Concen: 318.410 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX028536.D
Acq: 05 May 2022 16:01

Tgt Ion: 58 Resp: 137758
Ion Ratio Lower Upper
58 100
43 298.4 250.2 375.2

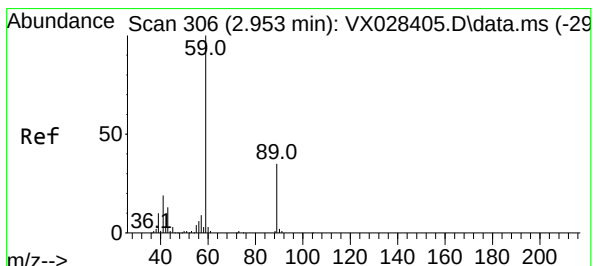
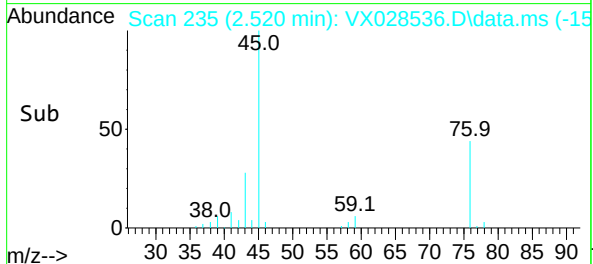
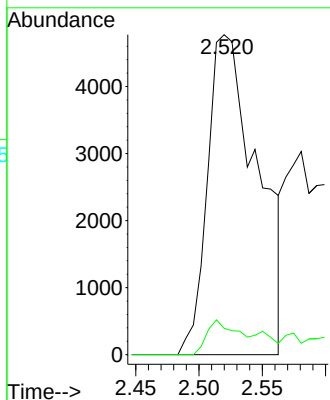
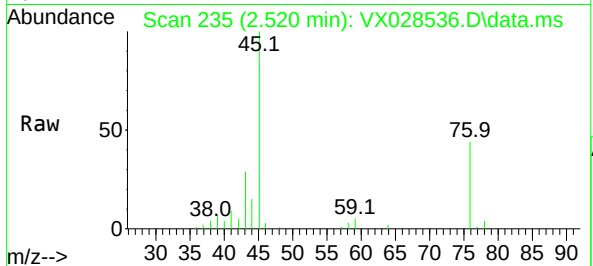




#16
Carbon Disulfide
Concen: 5.287 ug/l
RT: 2.520 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX028536.D
Acq: 05 May 2022 16:01

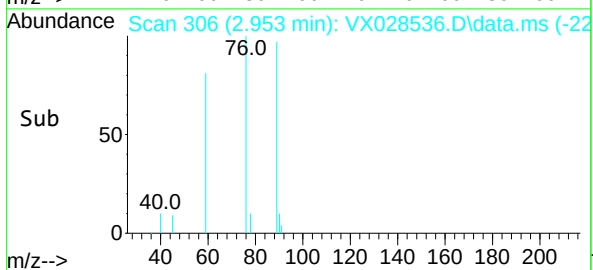
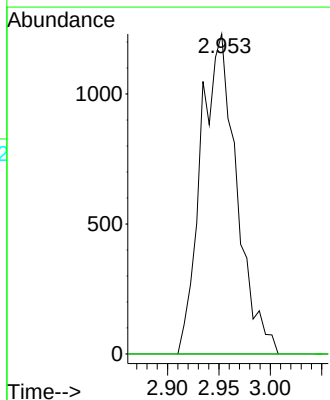
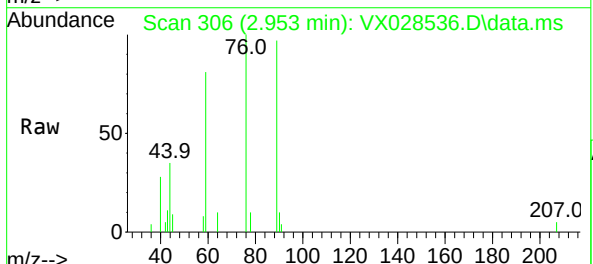
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(MAY)

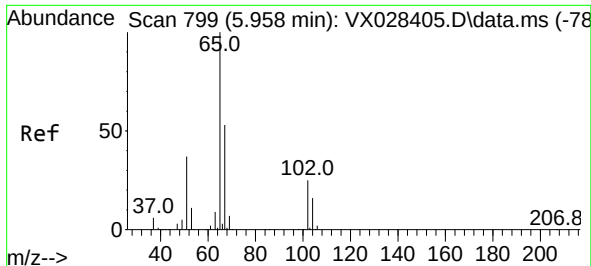
Tgt Ion: 76 Resp: 13133
Ion Ratio Lower Upper
76 100
78 8.2 7.1 10.7



#23
tert-Butyl Alcohol
Concen: 3.612 ug/l
RT: 2.953 min Scan# 306
Delta R.T. 0.000 min
Lab File: VX028536.D
Acq: 05 May 2022 16:01

Tgt Ion: 59 Resp: 2980
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0





#27

1,2-Dichloroethane-d4

Concen: 31.850 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028536.D

Acq: 05 May 2022 16:01

Instrument :

MSVOA_X

ClientSampleId :

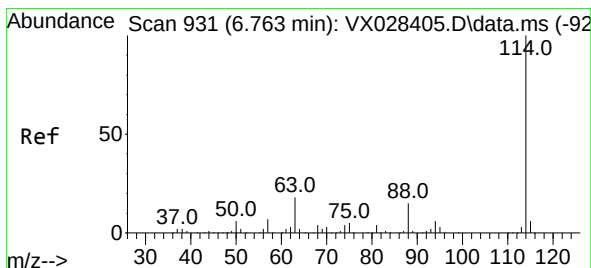
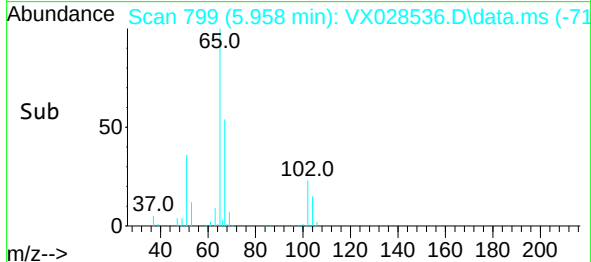
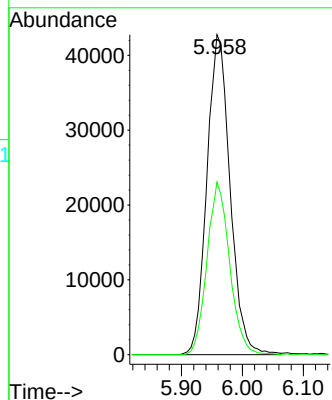
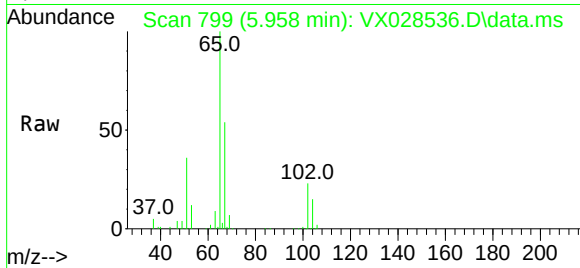
002-35TH-AVE(MAY)

Tgt Ion: 65 Resp: 112928

Ion Ratio Lower Upper

65 100

67 52.7 42.3 63.5



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX028536.D

Acq: 05 May 2022 16:01

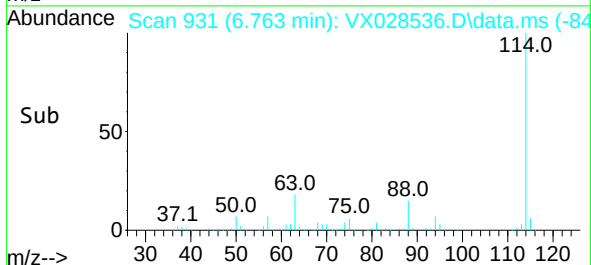
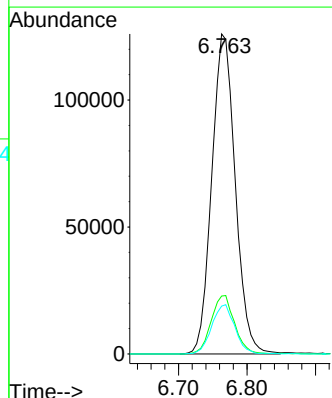
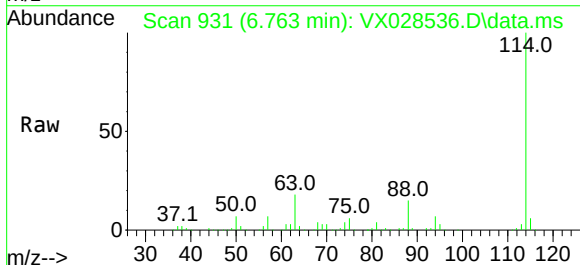
Tgt Ion: 114 Resp: 299815

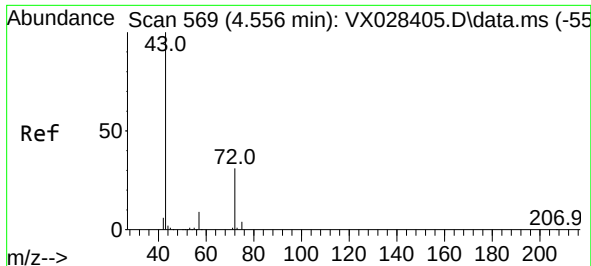
Ion Ratio Lower Upper

114 100

63 18.2 15.3 22.9

88 15.1 12.2 18.4

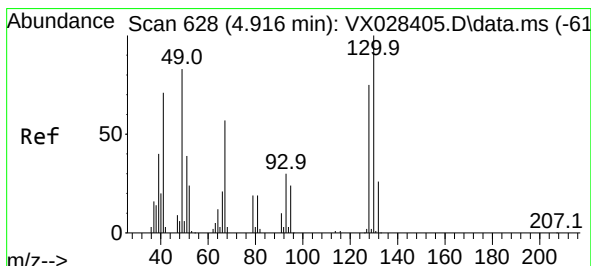
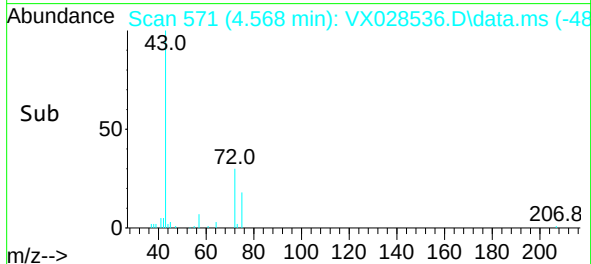
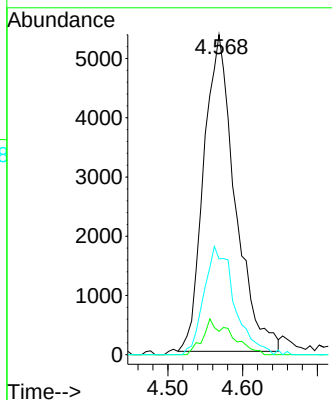
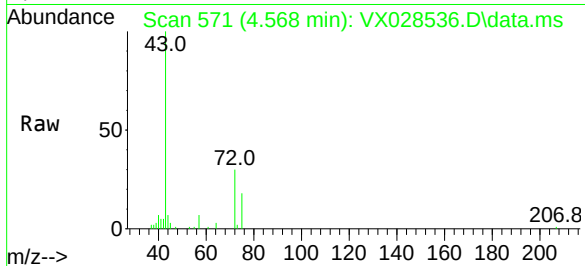




#30
2-Butanone
Concen: 7.759 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX028536.D
Acq: 05 May 2022 16:01

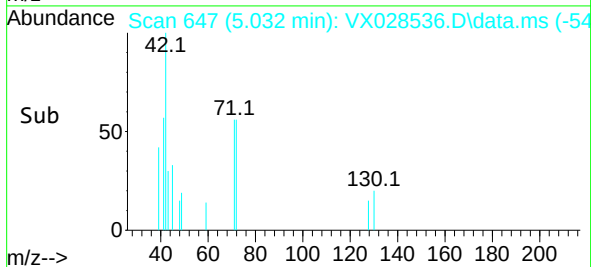
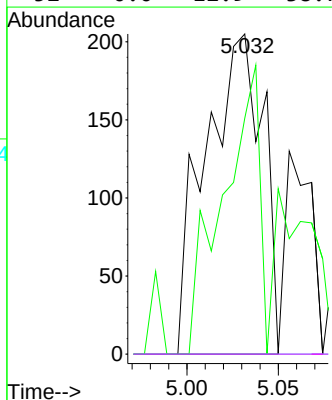
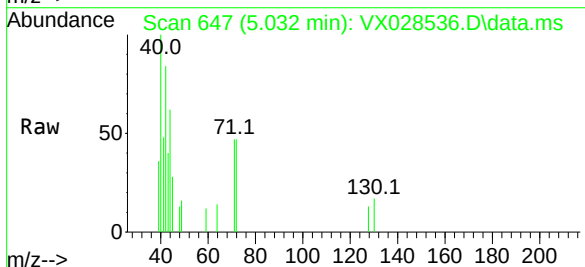
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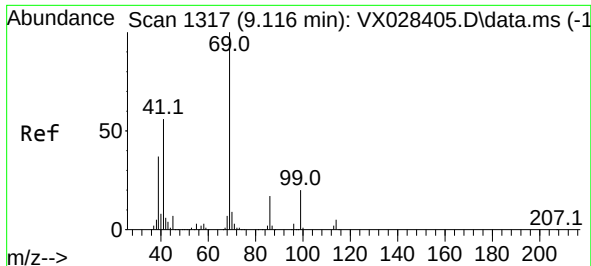
Tgt Ion: 43 Resp: 15595
Ion Ratio Lower Upper
43 100
57 4.8 6.6 10.0#
72 17.6 22.1 33.1#



#35
Methacrylonitrile
Concen: 0.221 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.116 min
Lab File: VX028536.D
Acq: 05 May 2022 16:01

Tgt Ion: 41 Resp: 448
Ion Ratio Lower Upper
41 100
39 73.7 27.0 81.0
67 0.0 33.3 99.8#
52 0.0 12.9 38.7#

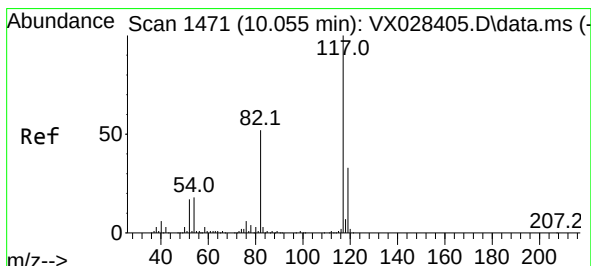
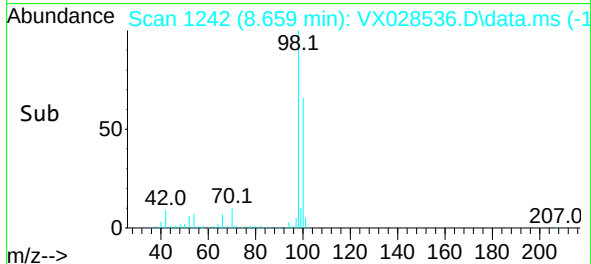
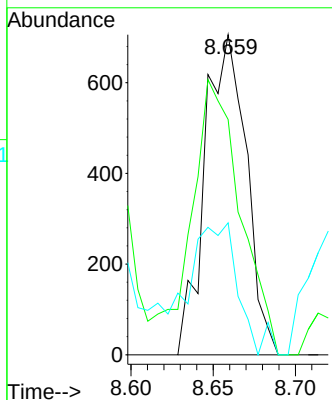
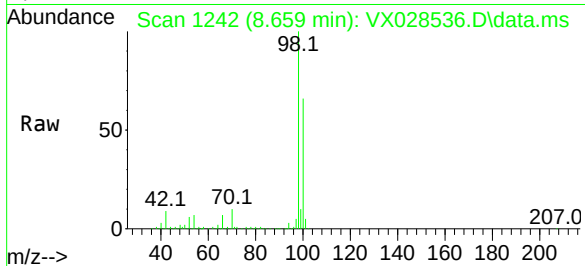




#51
Ethyl methacrylate
Concen: 0.269 ug/l
RT: 8.659 min Scan# 11
Delta R.T. -0.457 min
Lab File: VX028536.D
Acq: 05 May 2022 16:01

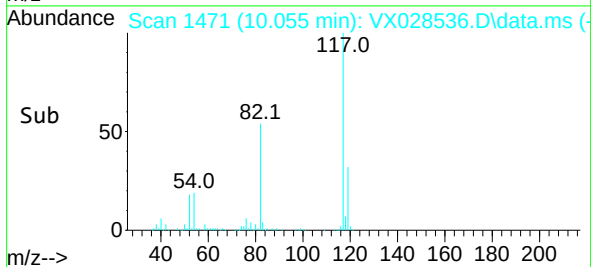
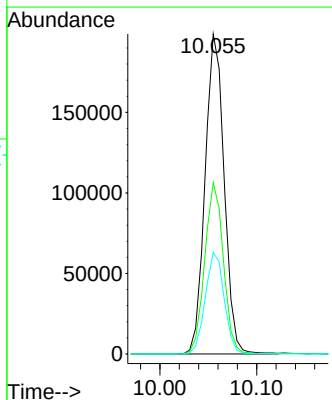
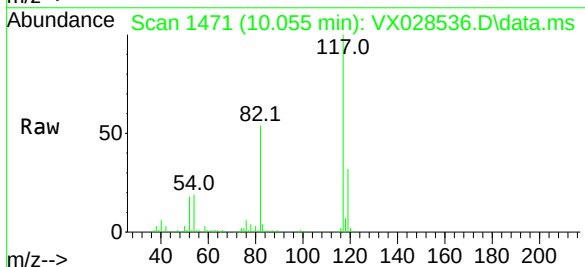
Instrument :
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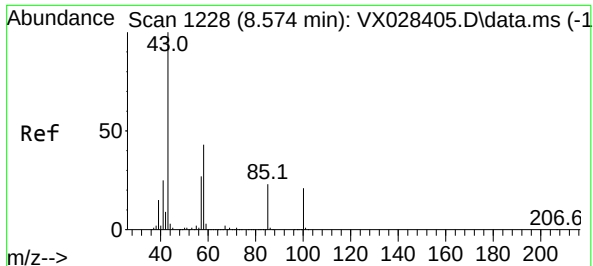
Tgt Ion: 69	Resp: 1238
Ion Ratio	Lower Upper
69 100	
41 73.5	32.1 96.5
39 41.2	18.3 54.9



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028536.D
Acq: 05 May 2022 16:01

Tgt Ion:117	Resp: 272909		
Ion Ratio	Lower	Upper	
117 100			
82 52.3	42.3	63.5	
119 31.6	26.2	39.2	





#58

4-Methyl-2-Pentanone

Concen: 2.152 ug/l

RT: 8.580 min Scan# 1370

Delta R.T. 0.006 min

Lab File: VX028536.D

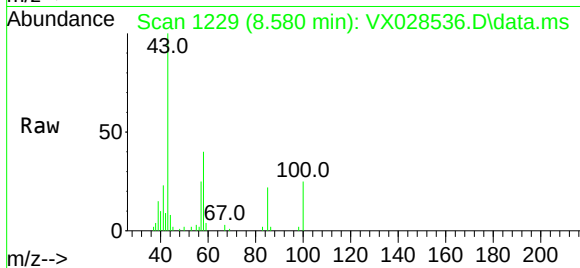
Acq: 05 May 2022 16:01

Instrument :

MSVOA_X

ClientSampleId :

002-35TH-AVE(MAY)



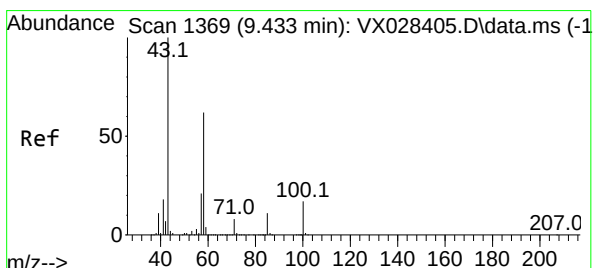
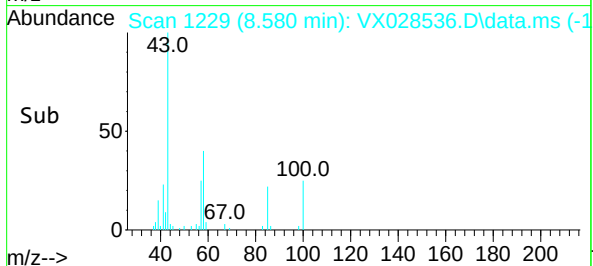
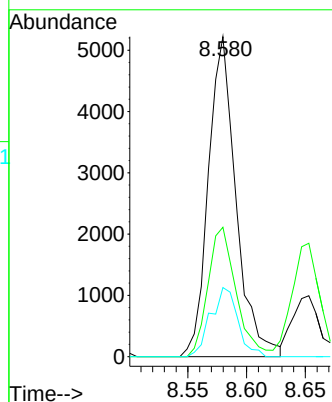
Tgt Ion: 43 Resp: 8544

Ion Ratio Lower Upper

43 100

58 41.2 31.8 47.6

85 21.1 15.8 23.6



#59

2-Hexanone

Concen: 0.205 ug/l

RT: 9.439 min Scan# 1370

Delta R.T. 0.006 min

Lab File: VX028536.D

Acq: 05 May 2022 16:01

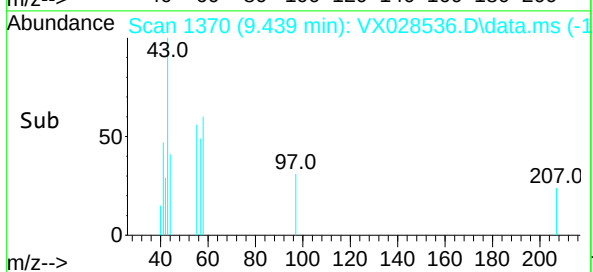
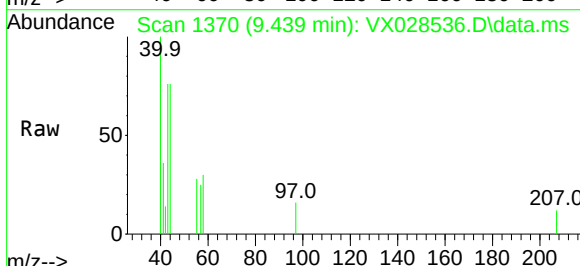
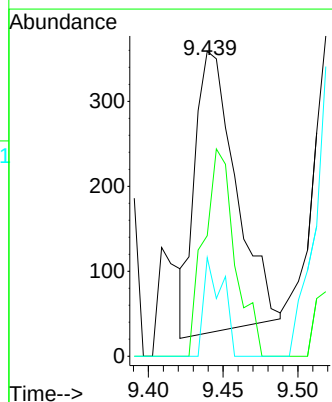
Tgt Ion: 43 Resp: 629

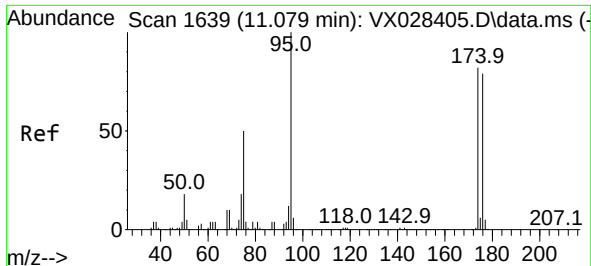
Ion Ratio Lower Upper

43 100

58 56.1 44.1 66.1

57 16.2 16.2 24.2

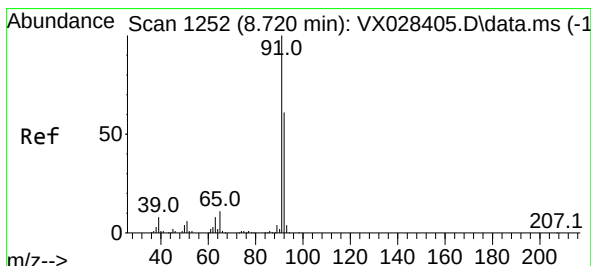
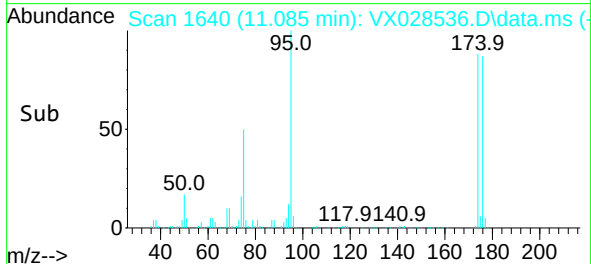
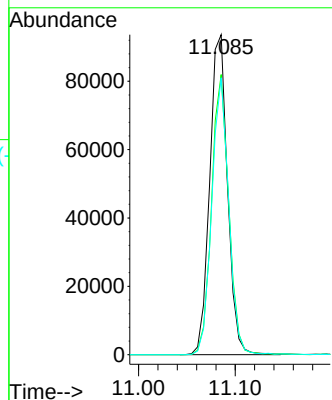
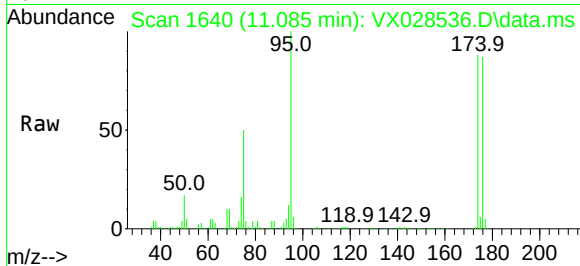




#60
4-Bromofluorobenzene
Concen: 28.271 ug/l
RT: 11.085 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX028536.D
Acq: 05 May 2022 16:01

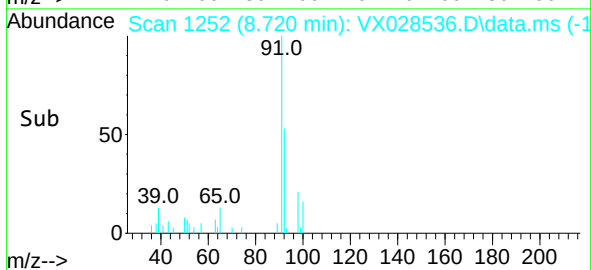
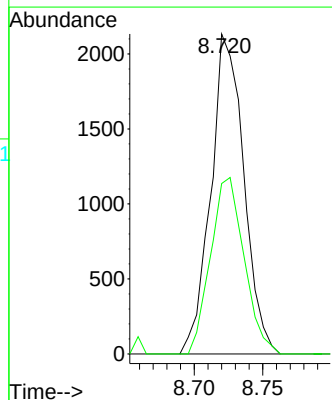
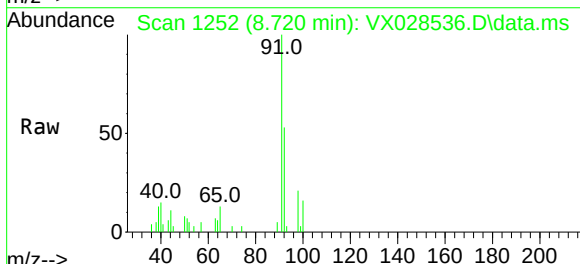
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(MAY)

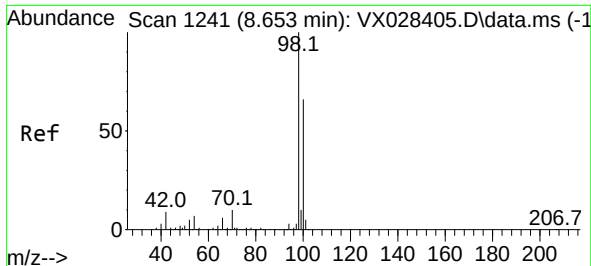
Tgt Ion: 95 Resp: 119987
Ion Ratio Lower Upper
95 100
174 84.0 65.4 98.2
176 82.0 63.4 95.0



#62
Toluene
Concen: 0.301 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX028536.D
Acq: 05 May 2022 16:01

Tgt Ion: 91 Resp: 3566
Ion Ratio Lower Upper
91 100
92 56.3 48.1 72.1

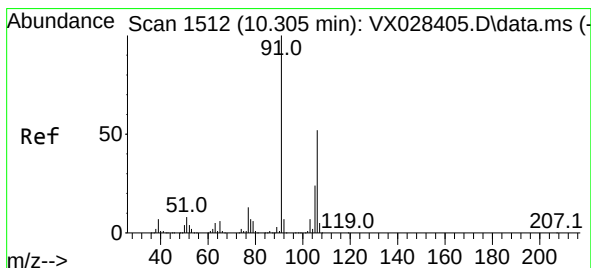
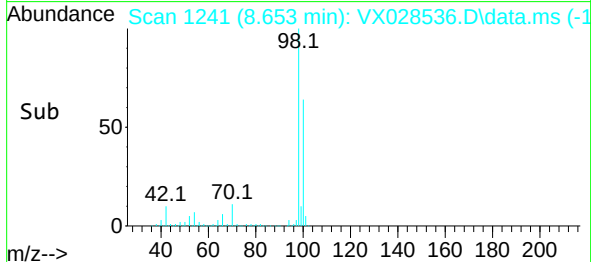
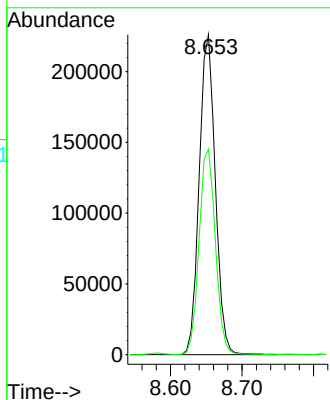
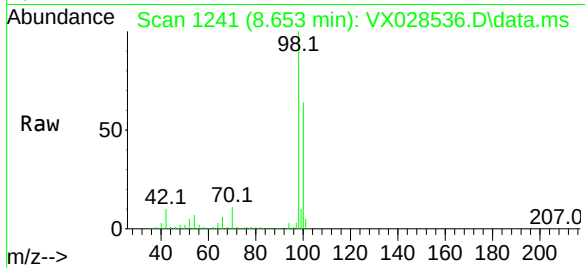




#63
Toluene-d8
Concen: 30.621 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX028536.D
Acq: 05 May 2022 16:01

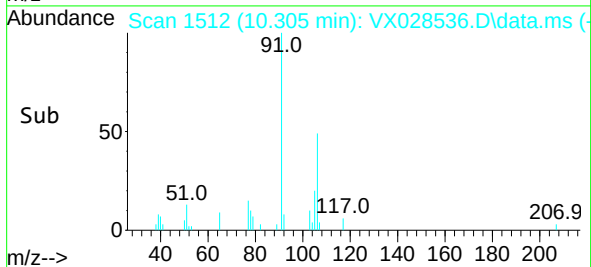
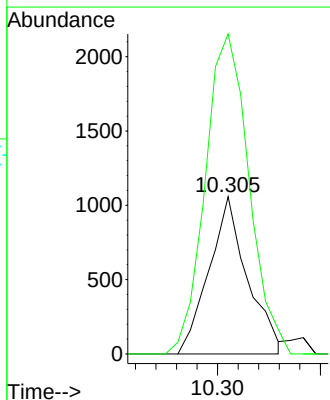
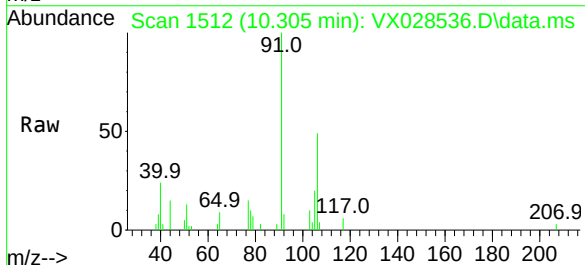
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(MAY)

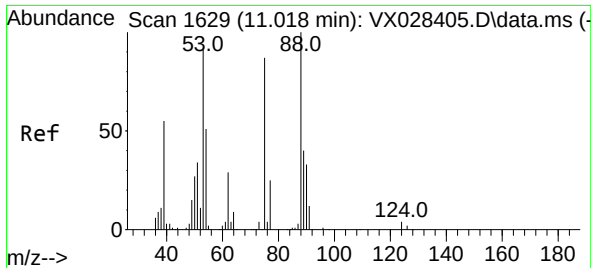
Tgt Ion: 98 Resp: 354015
Ion Ratio Lower Upper
98 100
100 65.0 51.4 77.2



#67
m/p-Xylenes
Concen: 0.246 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX028536.D
Acq: 05 May 2022 16:01

Tgt Ion: 106 Resp: 1375
Ion Ratio Lower Upper
106 100
91 230.9 159.5 239.3

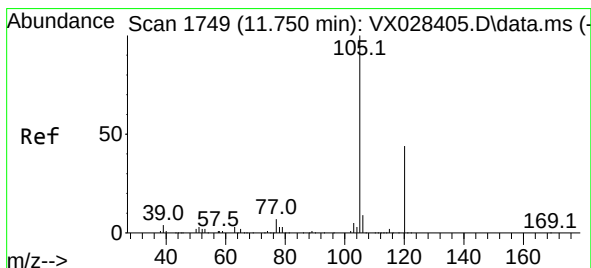
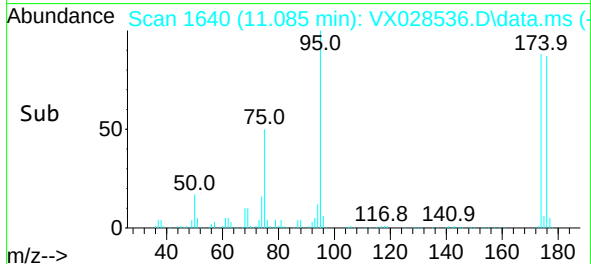
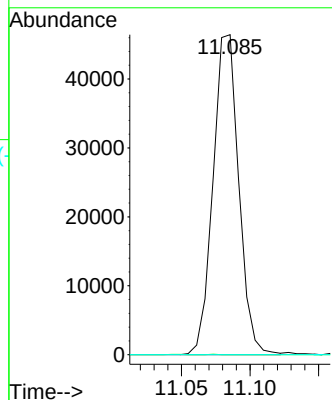
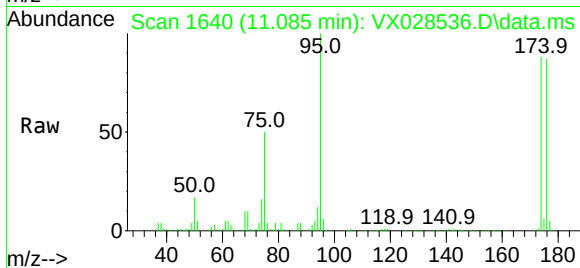




#77
t-1,4-Dichloro-2-butene
Concen: 44.722 ug/l
RT: 11.085 min Scan# 11085
Delta R.T. 0.067 min
Lab File: VX028536.D
Acq: 05 May 2022 16:01

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(MAY)

Tgt Ion: 75 Resp: 60509
Ion Ratio Lower Upper
75 100
53 0.0 59.7 179.1#
89 0.0 23.1 69.2#



#80
1,2,4-Trimethylbenzene
Concen: 0.391 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX028536.D
Acq: 05 May 2022 16:01

Tgt Ion: 105 Resp: 4871
Ion Ratio Lower Upper
105 100
120 34.7 0.0 89.6

