

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070522\
 Data File : VX029916.D
 Acq On : 05 Jul 2022 13:31
 Operator : JC/MD
 Sample : PB145991ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB145991ZHE#02

Quant Time: Jul 06 06:54:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 05:54:51 2022
 Response via : Initial Calibration

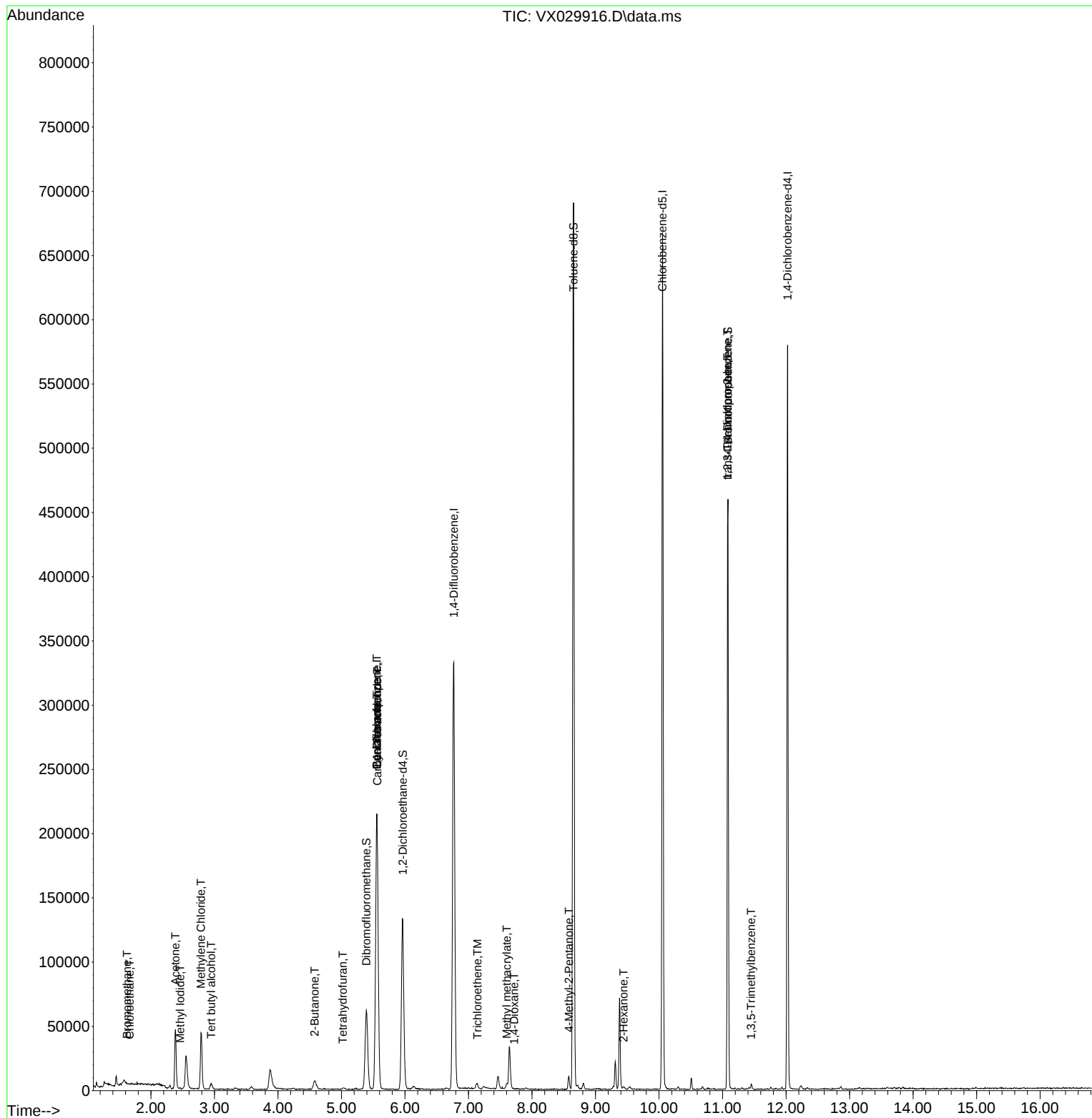
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	214945	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	362583	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	303473	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	121327	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	114186	41.967	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	83.940%
35) Dibromofluoromethane	5.391	113	54770	24.171	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	48.340%#
50) Toluene-d8	8.653	98	411137	48.365	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.740%
62) 4-Bromofluorobenzene	11.085	95	129888	43.226	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.460%
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	409	0.309	ug/l	88
6) Chloroethane	1.666	64	204	1.150	ug/l	94
10) Methyl Iodide	2.459	142	688	2.097	ug/l	97
11) Tert butyl alcohol	2.947	59	2895	4.068	ug/l #	74
13) Acrolein	2.245	56	123	Below Cal	#	14
16) Acetone	2.386	43	47890	35.977	ug/l	90
20) Methylene Chloride	2.788	84	20244	7.201	ug/l	93
25) 2-Butanone	4.574	43	5483	2.373	ug/l	96
29) Tetrahydrofuran	5.019	42	408	0.268	ug/l #	54
31) Cyclohexane	5.556	56	4404	1.161	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	15651	5.193	ug/l #	48
38) Carbon Tetrachloride	5.562	117	19643	7.522	ug/l #	18
44) Trichloroethene	7.141	130	1548	0.590	ug/l	62
48) Methyl methacrylate	7.604	41	7077	2.405	ug/l #	20
49) 1,4-Dioxane	7.720	88	21	0.301	ug/l #	25
51) 4-Methyl-2-Pentanone	8.580	43	6528	1.595	ug/l	97
59) 2-Hexanone	9.439	43	1561	0.491	ug/l	83
76) 1,2,3-Trichloropropane	11.079	75	60758	20.919	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	1909	0.262	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.079	75	60758	66.435	ug/l #	12

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

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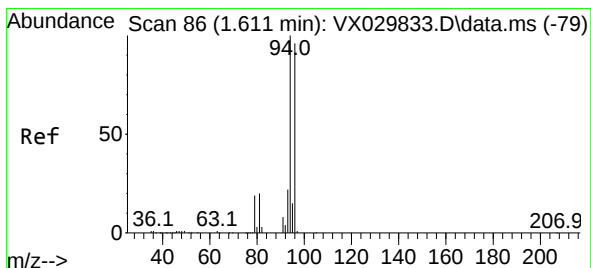
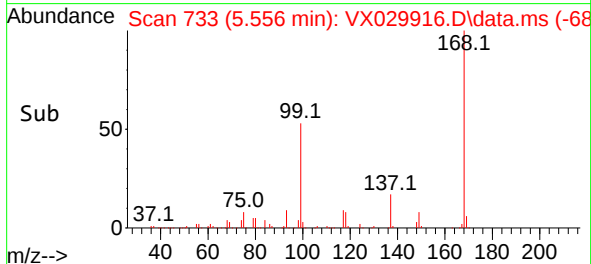
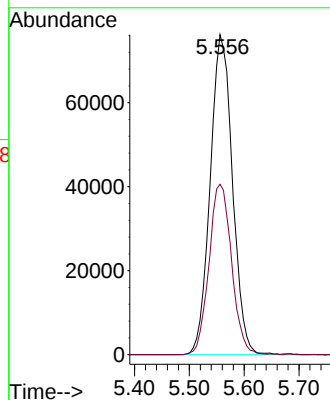
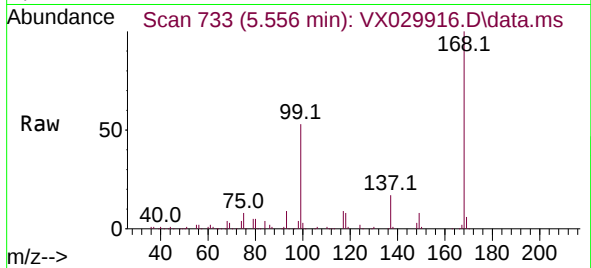




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029916.D
Acq: 05 Jul 2022 13:31

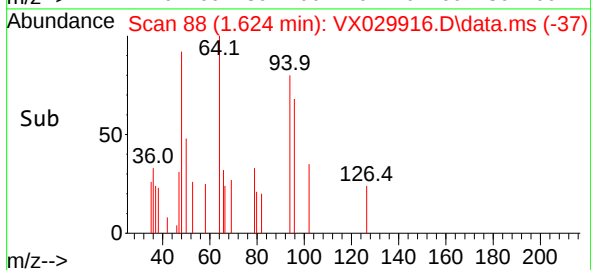
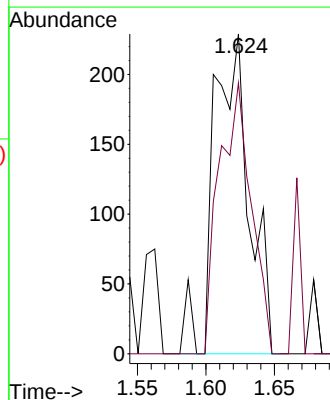
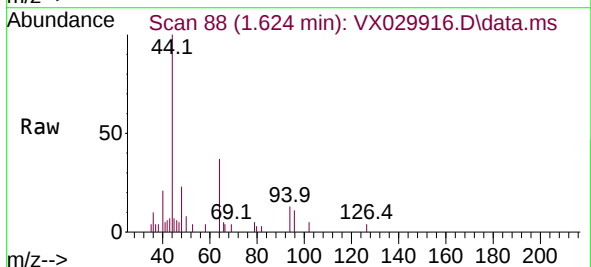
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#02

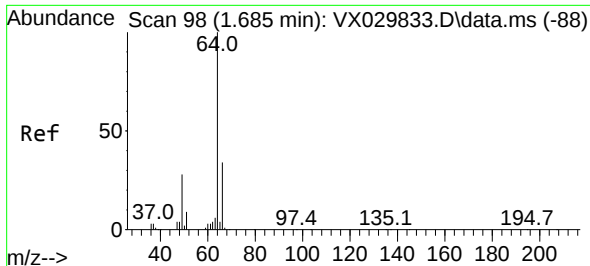
Tgt Ion:168 Resp: 214945
Ion Ratio Lower Upper
168 100
99 53.2 44.0 66.0



#5
Bromomethane
Concen: 0.309 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.012 min
Lab File: VX029916.D
Acq: 05 Jul 2022 13:31

Tgt Ion: 94 Resp: 409
Ion Ratio Lower Upper
94 100
96 84.7 76.9 115.3

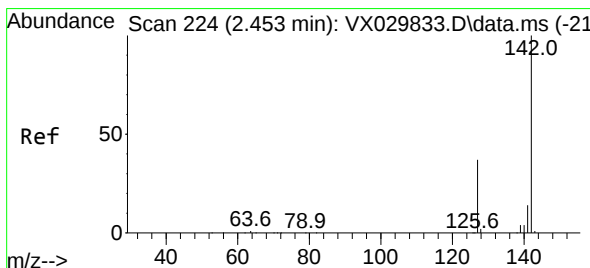
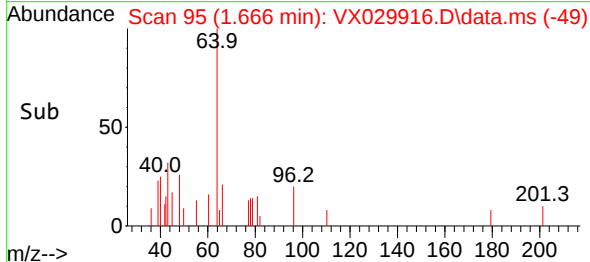
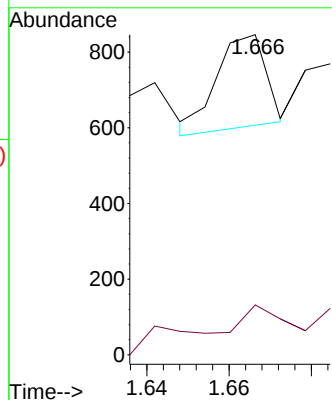
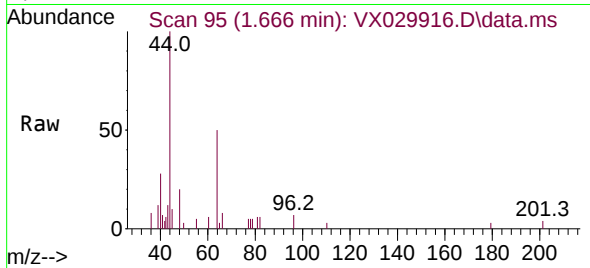




#6
Chloroethane
Concen: 1.150 ug/l
RT: 1.666 min Scan# 91
Delta R.T. -0.019 min
Lab File: VX029916.D
Acq: 05 Jul 2022 13:31

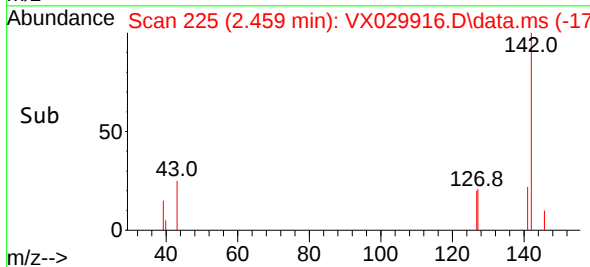
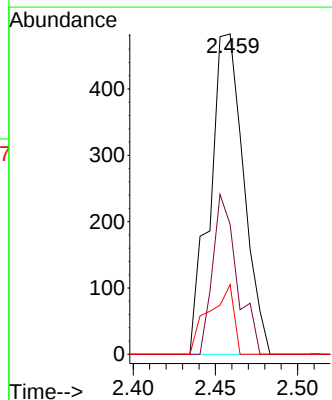
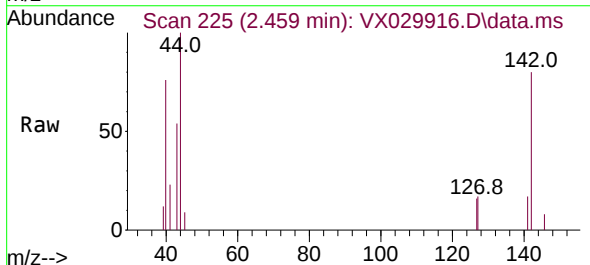
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#02

Tgt Ion: 64 Resp: 204
Ion Ratio Lower Upper
64 100
66 30.4 27.2 40.8



#10
Methyl Iodide
Concen: 2.097 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX029916.D
Acq: 05 Jul 2022 13:31

Tgt Ion: 142 Resp: 688
Ion Ratio Lower Upper
142 100
127 35.9 30.2 45.2
141 16.0 11.3 16.9

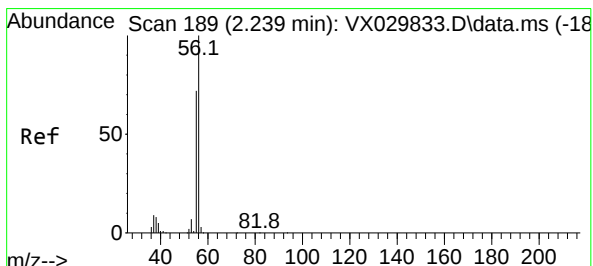
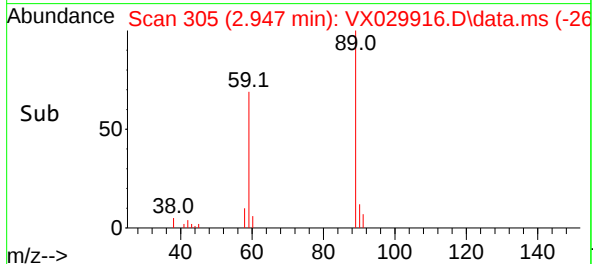
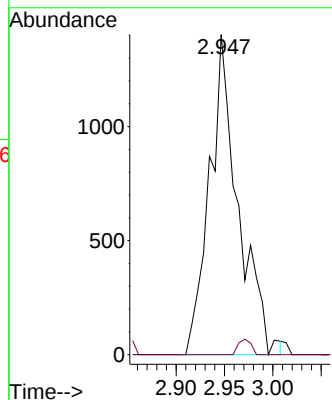
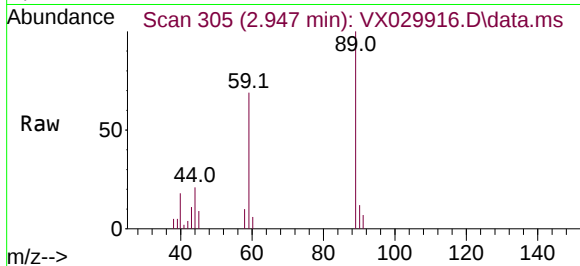




#11
Tert butyl alcohol
Concen: 4.068 ug/l
RT: 2.947 min Scan# 30
Delta R.T. -0.049 min
Lab File: VX029916.D
Acq: 05 Jul 2022 13:31

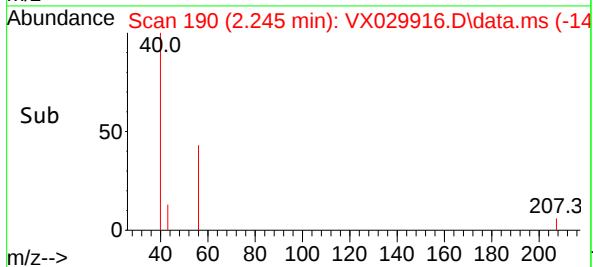
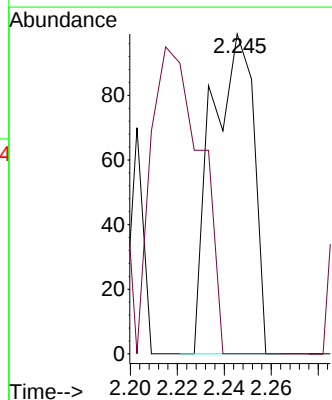
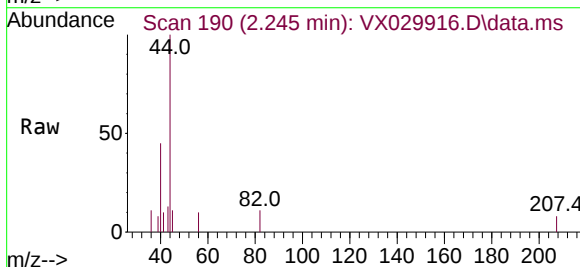
Instrument :
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ClientSampleId :
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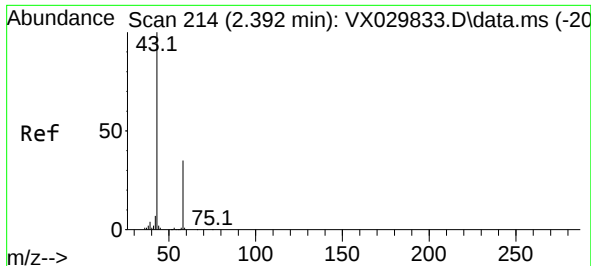
Tgt Ion: 59 Resp: 2895
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#13
Acrolein
Concen: Below Cal
RT: 2.245 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX029916.D
Acq: 05 Jul 2022 13:31

Tgt Ion: 56 Resp: 123
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#

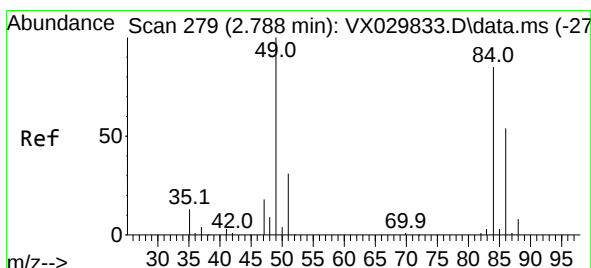
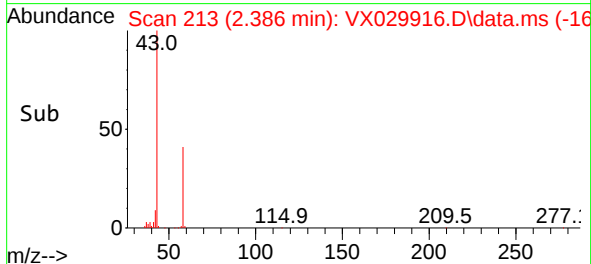
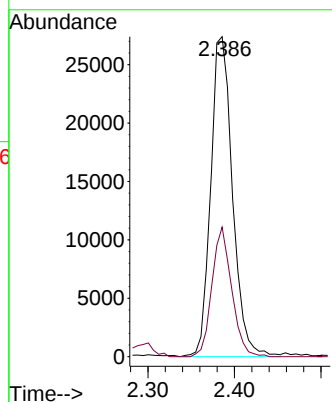
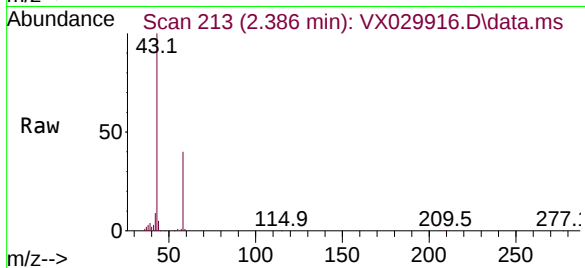




#16
Acetone
Concen: 35.977 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX029916.D
Acq: 05 Jul 2022 13:31

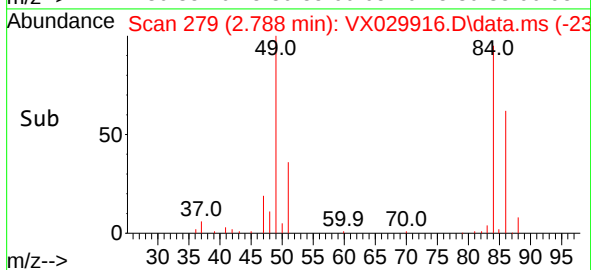
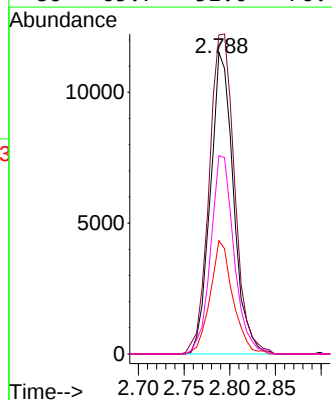
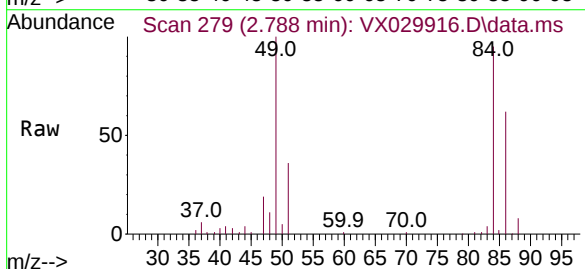
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#02

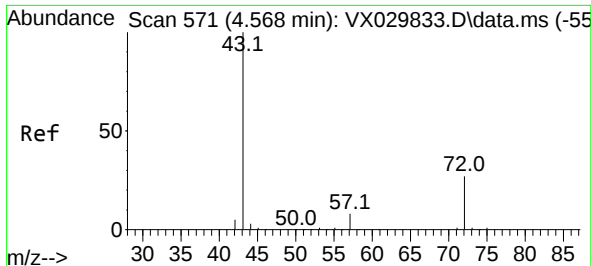
Tgt Ion: 43 Resp: 47890
Ion Ratio Lower Upper
43 100
58 40.5 27.7 41.5



#20
Methylene Chloride
Concen: 7.201 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX029916.D
Acq: 05 Jul 2022 13:31

Tgt Ion: 84 Resp: 20244
Ion Ratio Lower Upper
84 100
49 105.8 93.8 140.6
51 37.6 29.4 44.0
86 65.7 51.0 76.4

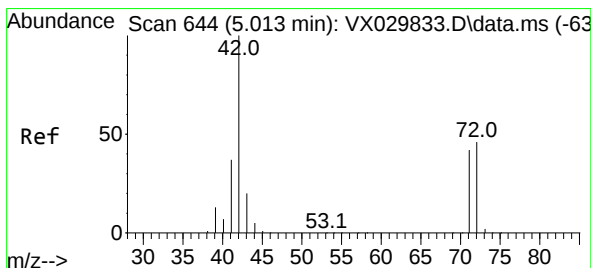
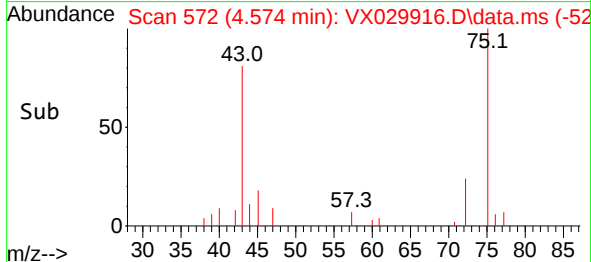
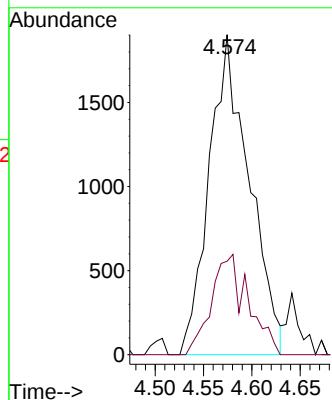
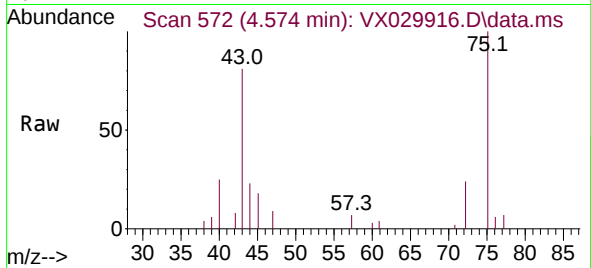




#25
2-Butanone
Concen: 2.373 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX029916.D
Acq: 05 Jul 2022 13:31

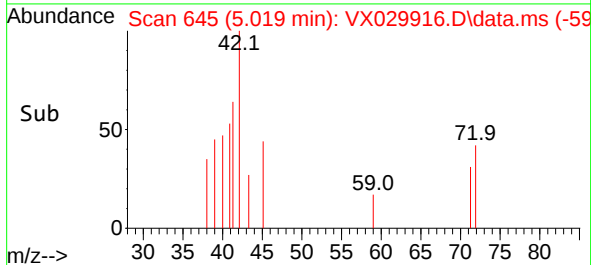
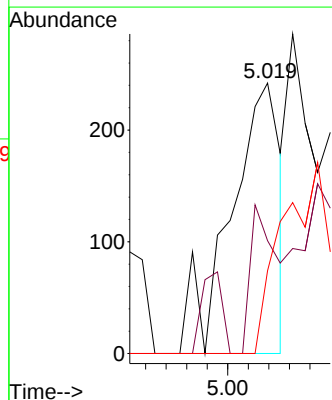
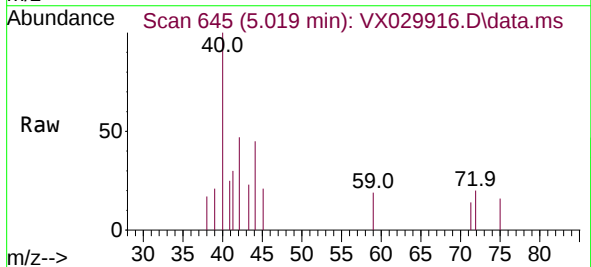
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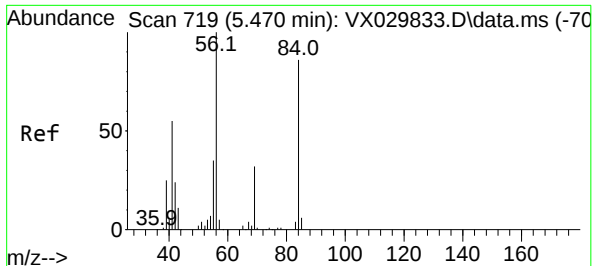
Tgt Ion: 43 Resp: 5483
Ion Ratio Lower Upper
43 100
72 29.2 21.7 32.5



#29
Tetrahydrofuran
Concen: 0.268 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.006 min
Lab File: VX029916.D
Acq: 05 Jul 2022 13:31

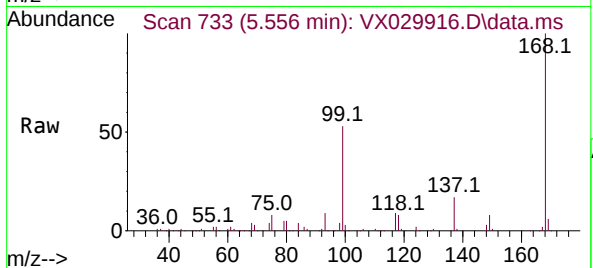
Tgt Ion: 42 Resp: 408
Ion Ratio Lower Upper
42 100
72 28.2 36.5 54.7#
71 0.0 33.9 50.9#



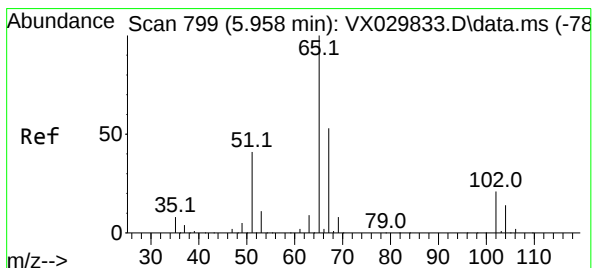
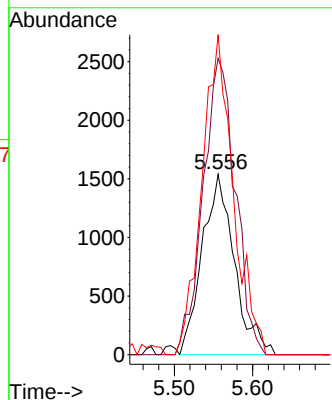
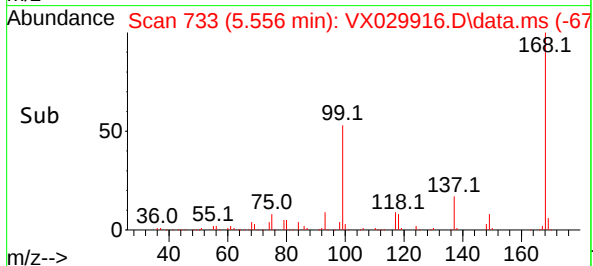


#31
Cyclohexane
Concen: 1.161 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX029916.D
Acq: 05 Jul 2022 13:31

Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#02

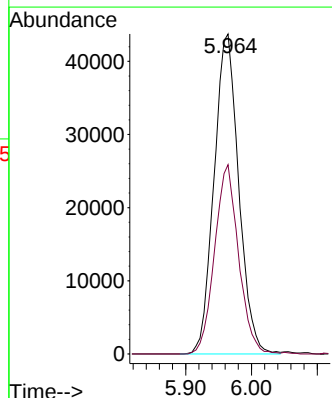
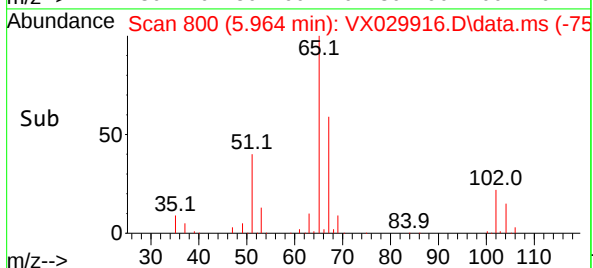
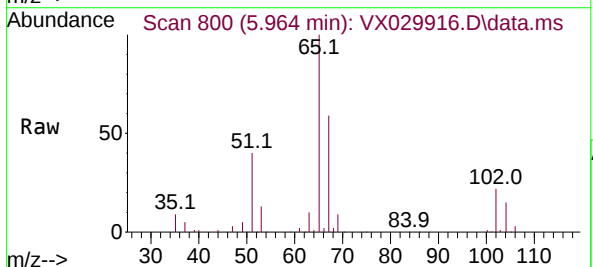


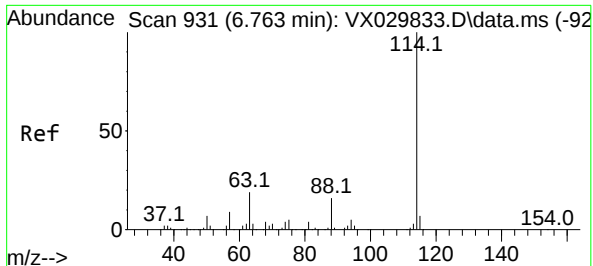
Tgt Ion: 56 Resp: 4404
Ion Ratio Lower Upper
56 100
69 164.3 25.4 38.0#
84 177.4 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 41.967 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX029916.D
Acq: 05 Jul 2022 13:31

Tgt Ion: 65 Resp: 114186
Ion Ratio Lower Upper
65 100
67 57.4 0.0 109.6

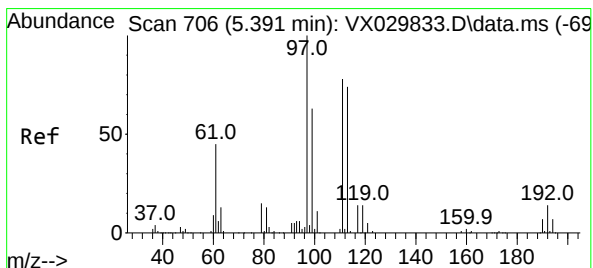
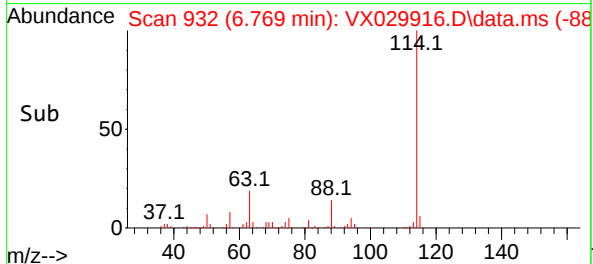
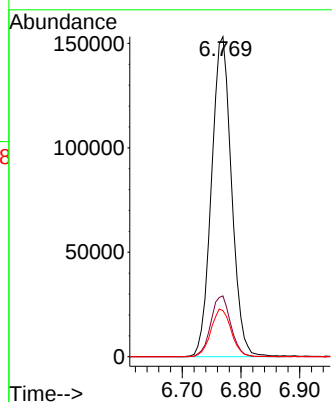
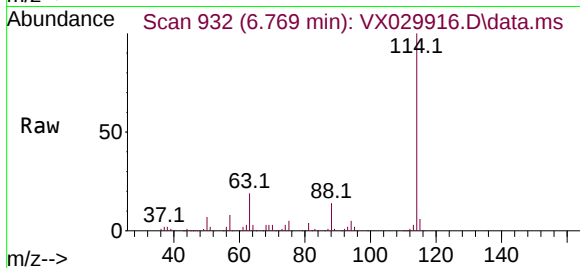




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX029916.D
Acq: 05 Jul 2022 13:31

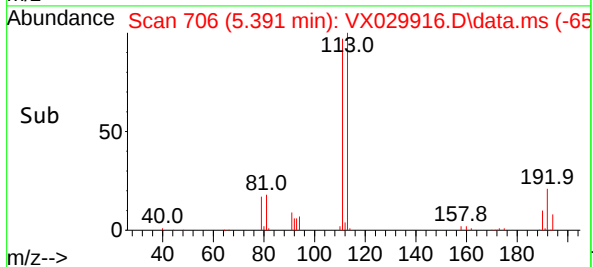
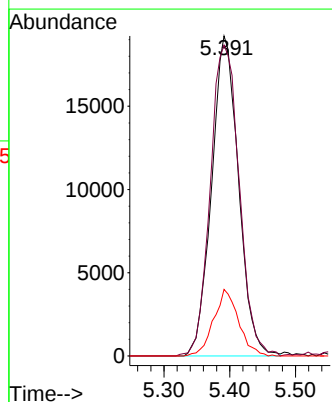
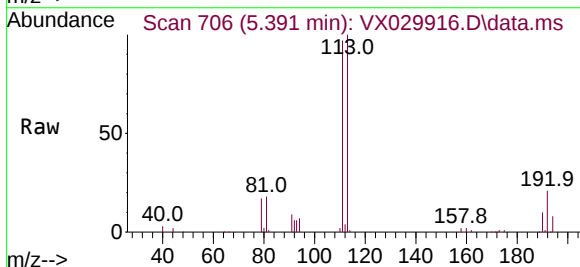
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#02

Tgt Ion:114 Resp: 362583
Ion Ratio Lower Upper
114 100
63 19.0 0.0 38.4
88 14.4 0.0 31.8



#35
Dibromofluoromethane
Concen: 24.171 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029916.D
Acq: 05 Jul 2022 13:31

Tgt Ion:113 Resp: 54770
Ion Ratio Lower Upper
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111 104.3 83.2 124.8
192 19.2 14.8 22.2

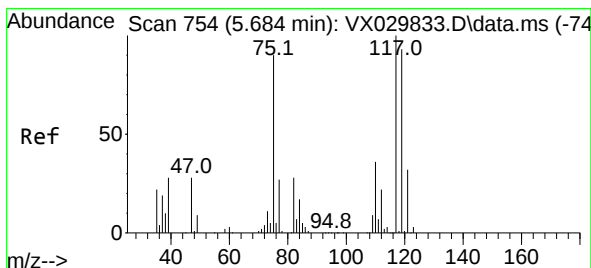
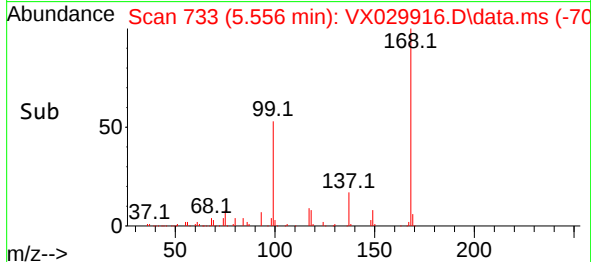
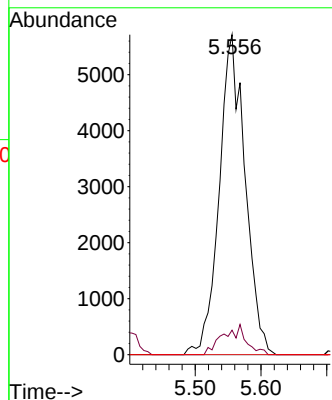
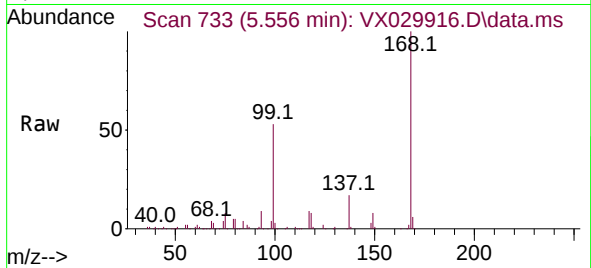




#36
1,1-Dichloropropene
Concen: 5.193 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX029916.D
Acq: 05 Jul 2022 13:31

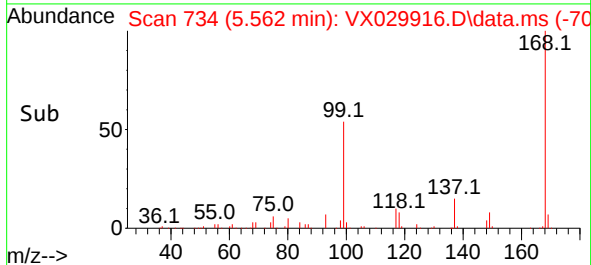
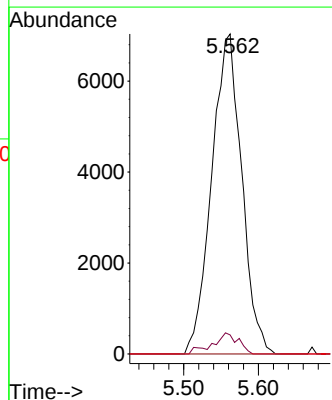
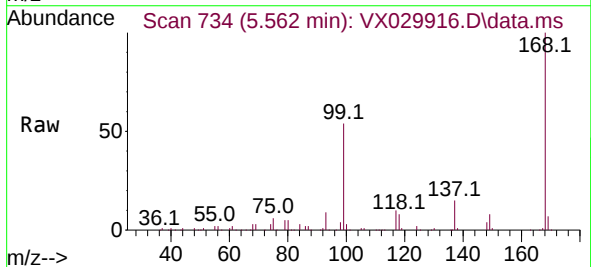
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#02

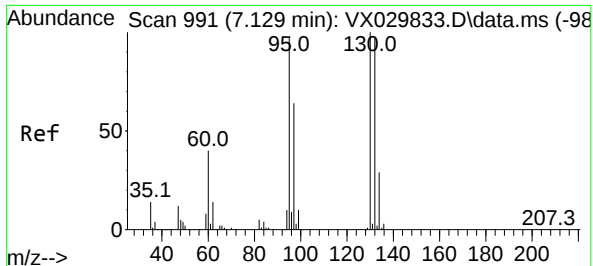
Tgt Ion: 75 Resp: 15651
Ion Ratio Lower Upper
75 100
110 8.5 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 7.522 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX029916.D
Acq: 05 Jul 2022 13:31

Tgt Ion: 117 Resp: 19643
Ion Ratio Lower Upper
117 100
119 6.0 74.1 111.1#
121 0.0 25.8 38.8#

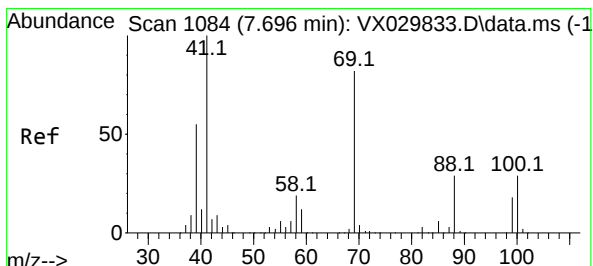
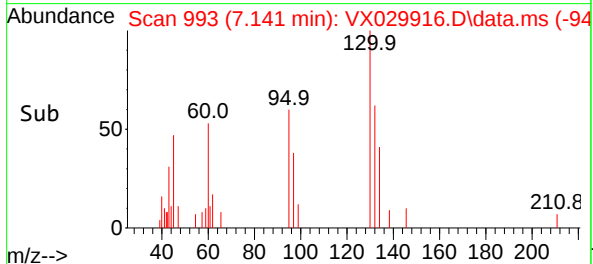
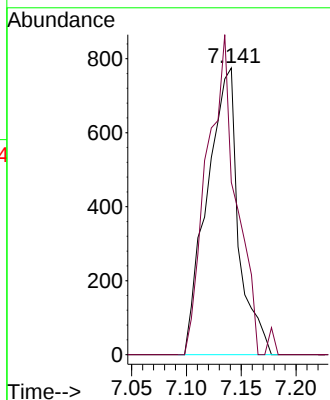
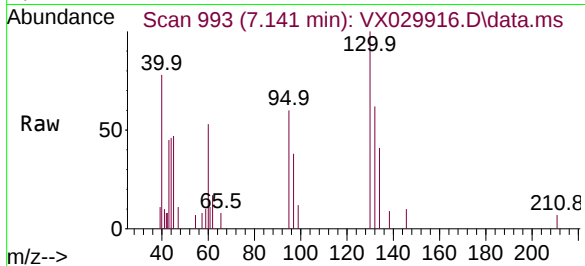




#44
Trichloroethene
Concen: 0.590 ug/l
RT: 7.141 min Scan# 91
Delta R.T. 0.012 min
Lab File: VX029916.D
Acq: 05 Jul 2022 13:31

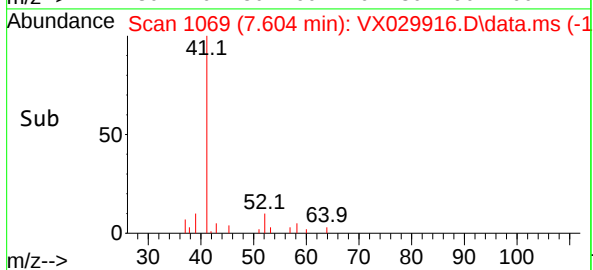
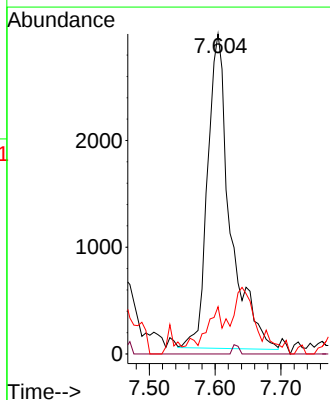
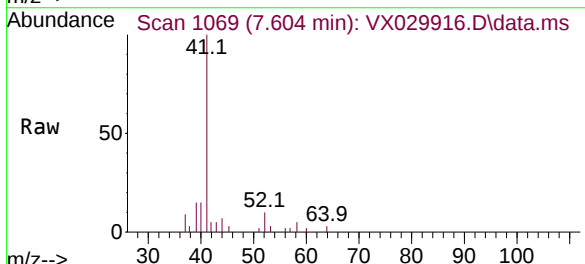
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#02

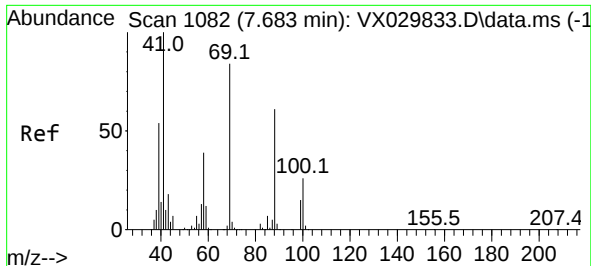
Tgt Ion:130 Resp: 1548
Ion Ratio Lower Upper
130 100
95 60.1 0.0 194.8



#48
Methyl methacrylate
Concen: 2.405 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.091 min
Lab File: VX029916.D
Acq: 05 Jul 2022 13:31

Tgt Ion: 41 Resp: 7077
Ion Ratio Lower Upper
41 100
69 0.0 68.8 103.2#
39 12.9 44.6 66.8#





#49

1,4-Dioxane

Concen: 0.301 ug/l

RT: 7.720 min Scan# 1088

Delta R.T. 0.037 min

Lab File: VX029916.D

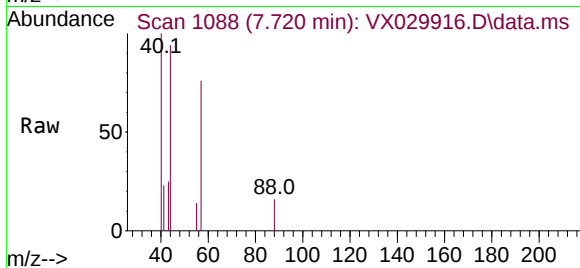
Acq: 05 Jul 2022 13:31

Instrument :

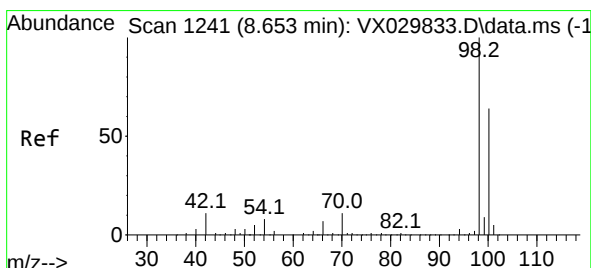
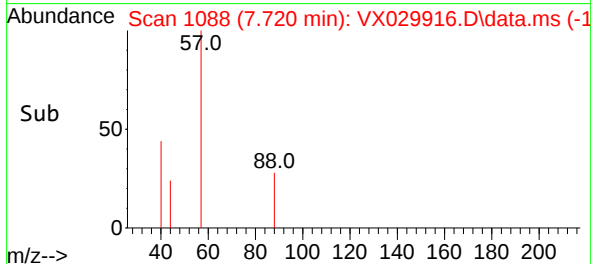
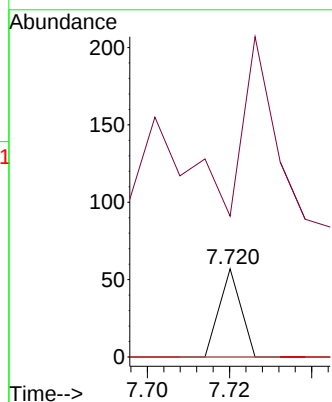
MSVOA_X

ClientSampleId :

PB145991ZHE#02



Tgt Ion:	88	Resp:	21
Ion	Ratio	Lower	Upper
88	100		
43	0.0	23.8	35.8#
58	0.0	53.8	80.6#



#50

Toluene-d8

Concen: 48.365 ug/l

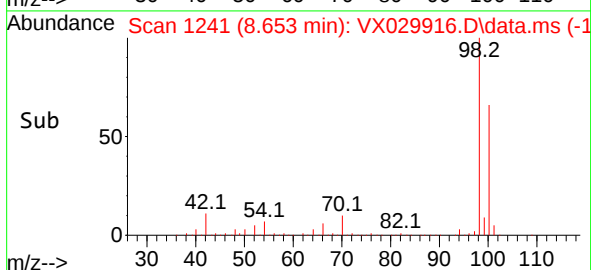
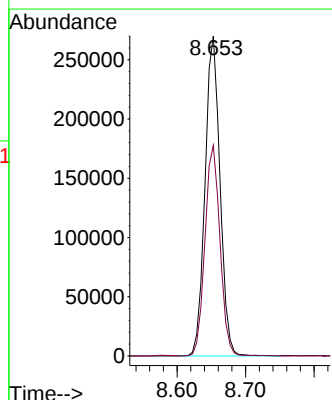
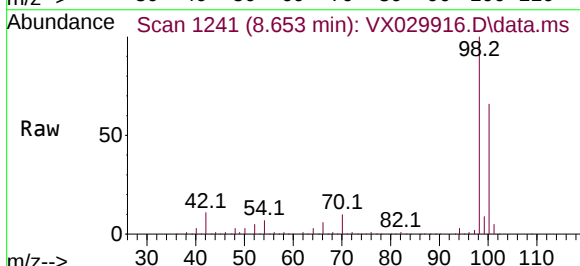
RT: 8.653 min Scan# 1241

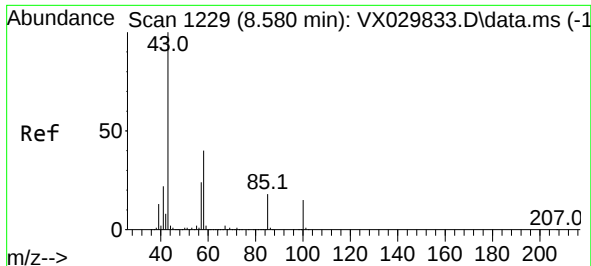
Delta R.T. 0.000 min

Lab File: VX029916.D

Acq: 05 Jul 2022 13:31

Tgt Ion:	98	Resp:	411137
Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 1.595 ug/l

RT: 8.580 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX029916.D

Acq: 05 Jul 2022 13:31

Instrument :

MSVOA_X

ClientSampleId :

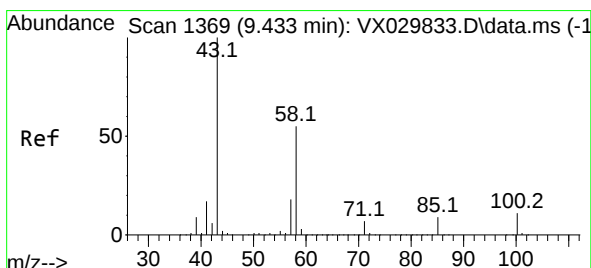
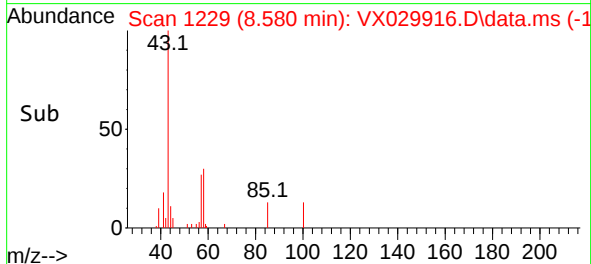
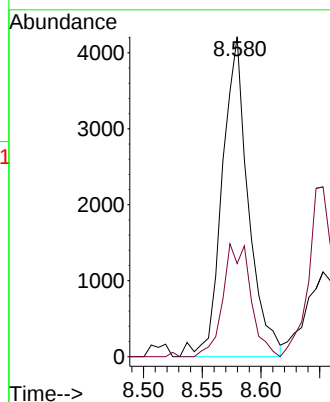
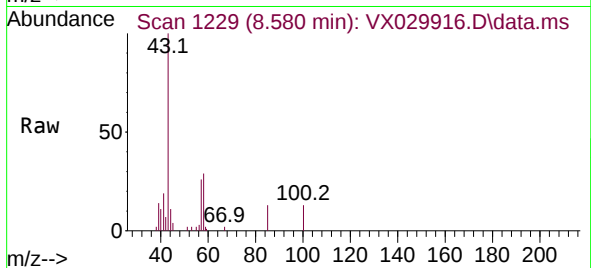
PB145991ZHE#02

Tgt Ion: 43 Resp: 6528

Ion Ratio Lower Upper

43 100

58 37.3 31.4 47.2



#59

2-Hexanone

Concen: 0.491 ug/l

RT: 9.439 min Scan# 1370

Delta R.T. 0.006 min

Lab File: VX029916.D

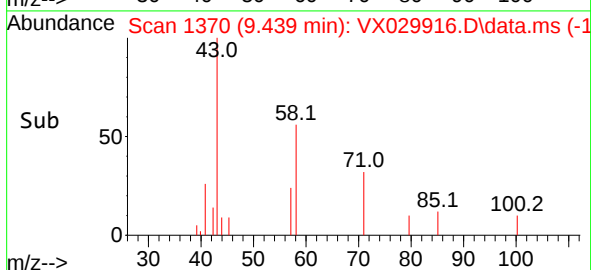
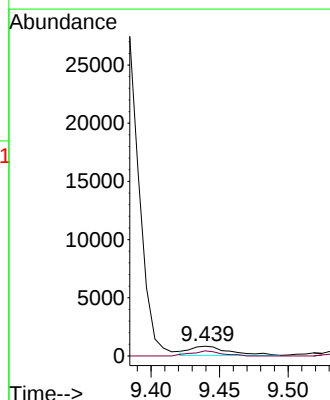
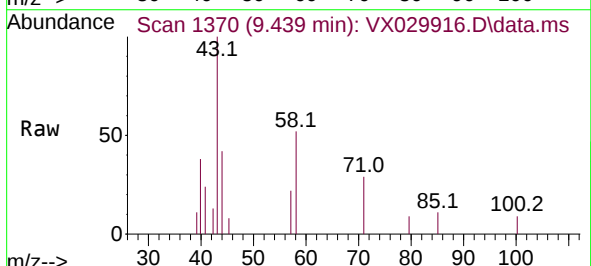
Acq: 05 Jul 2022 13:31

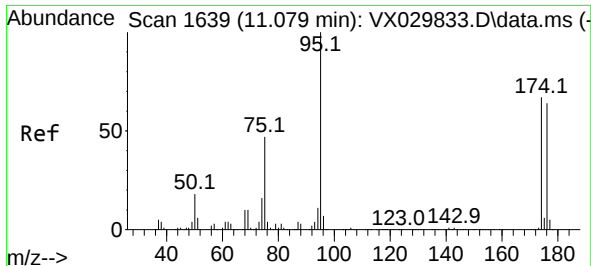
Tgt Ion: 43 Resp: 1561

Ion Ratio Lower Upper

43 100

58 42.7 27.6 82.8

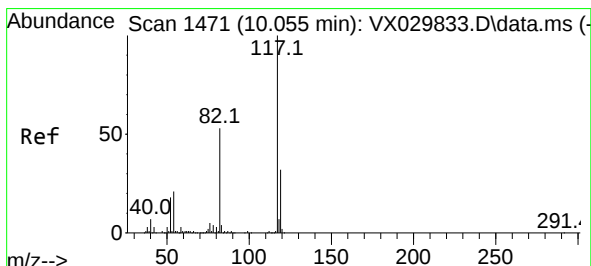
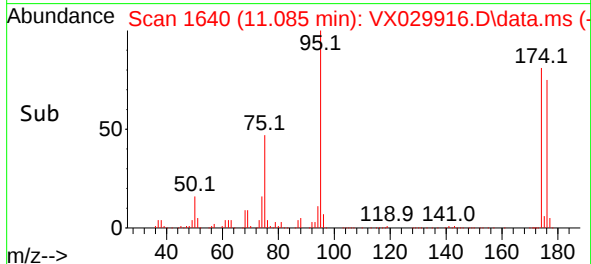
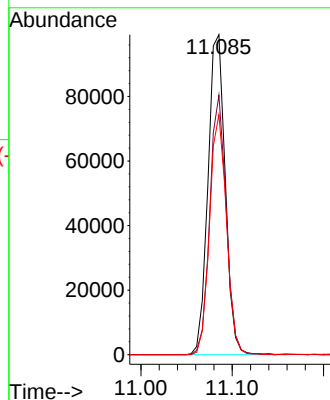
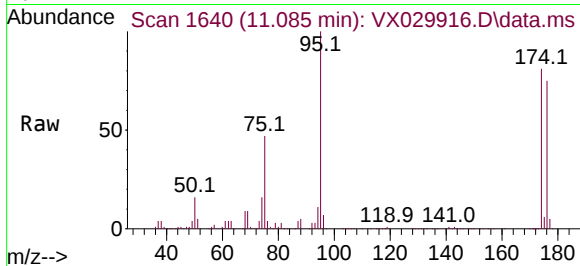




#62
4-Bromofluorobenzene
Concen: 43.226 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX029916.D
Acq: 05 Jul 2022 13:31

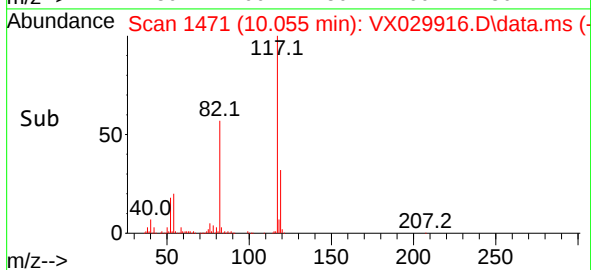
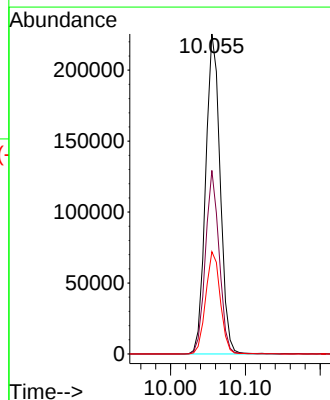
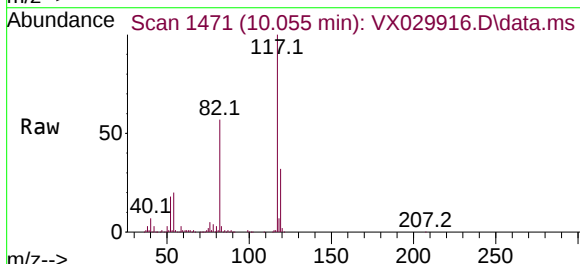
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#02

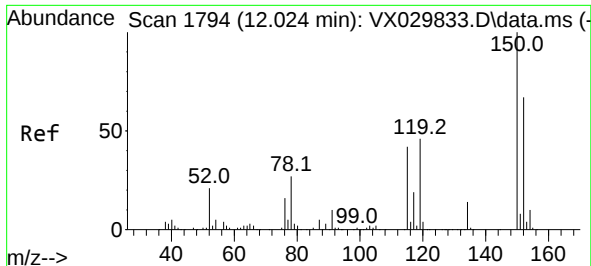
Tgt Ion: 95 Resp: 129888
Ion Ratio Lower Upper
95 100
174 77.2 0.0 149.0
176 73.1 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029916.D
Acq: 05 Jul 2022 13:31

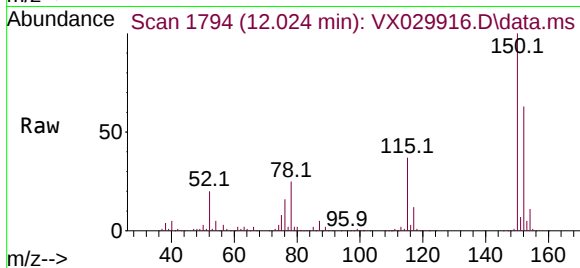
Tgt Ion: 117 Resp: 303473
Ion Ratio Lower Upper
117 100
82 57.4 42.7 64.1
119 32.0 25.4 38.2



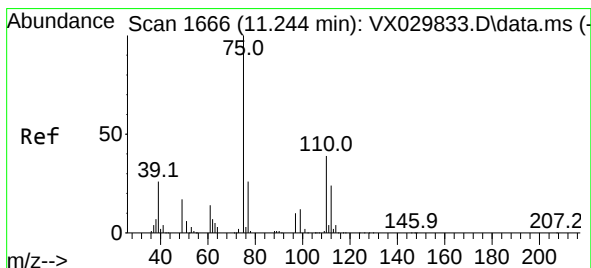
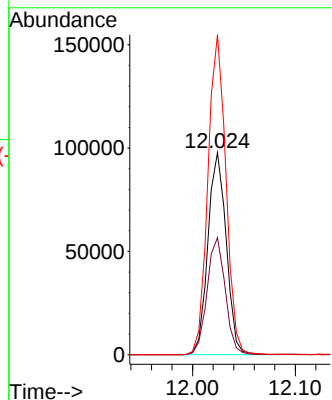
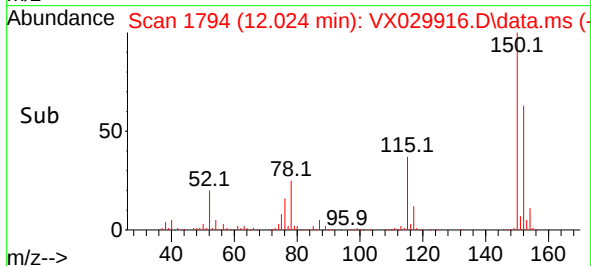


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029916.D
Acq: 05 Jul 2022 13:31

Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#02

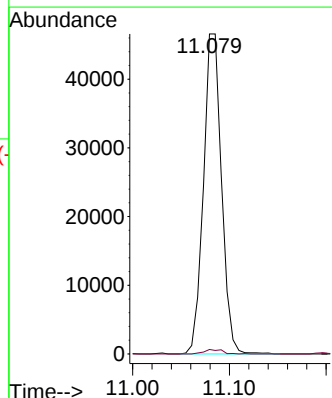
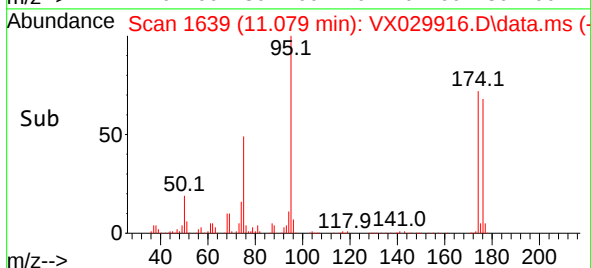
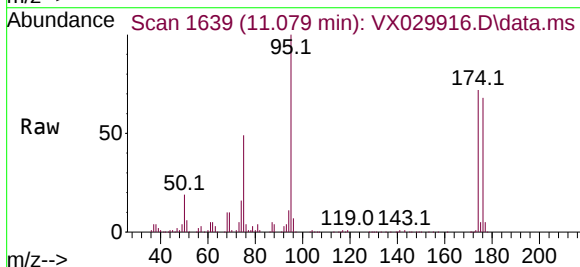


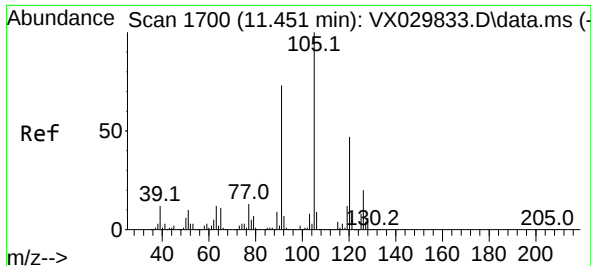
Tgt Ion:152 Resp: 121327
Ion Ratio Lower Upper
152 100
115 57.6 40.5 121.5
150 155.3 0.0 347.0



#76
1,2,3-Trichloropropane
Concen: 20.919 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029916.D
Acq: 05 Jul 2022 13:31

Tgt Ion: 75 Resp: 60758
Ion Ratio Lower Upper
75 100
77 1.4 19.8 59.3#

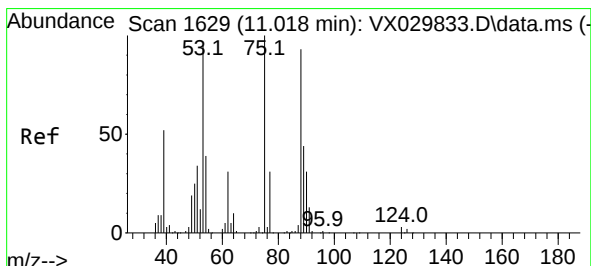
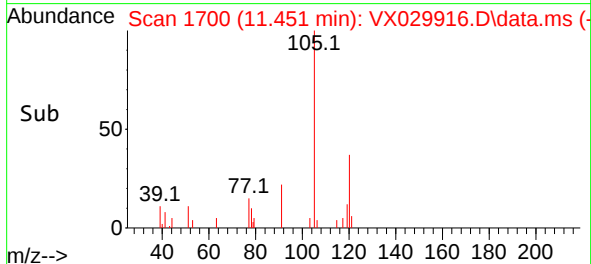
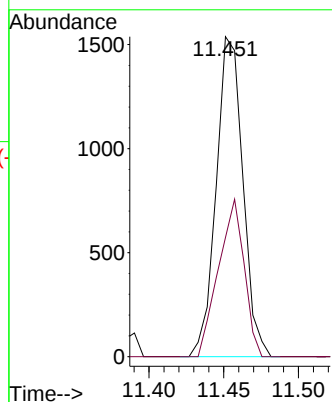
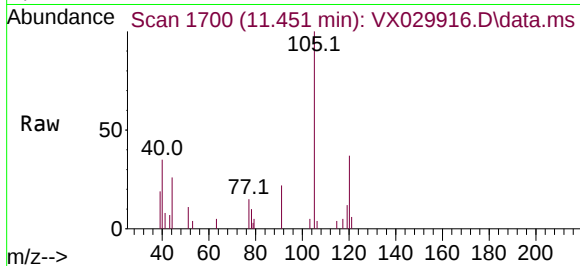




#80
1,3,5-Trimethylbenzene
Concen: 0.262 ug/l
RT: 11.451 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029916.D
Acq: 05 Jul 2022 13:31

Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#02

Tgt Ion:105 Resp: 1909
Ion Ratio Lower Upper
105 100
120 47.2 24.4 73.2



#81
trans-1,4-Dichloro-2-butene
Concen: 66.435 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029916.D
Acq: 05 Jul 2022 13:31

Tgt Ion: 75 Resp: 60758
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#

