

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060322\
 Data File : VX029193.D
 Acq On : 03 Jun 2022 16:26
 Operator : JC/MD
 Sample : N3164-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 32S-20220531

Quant Time: Jun 06 02:35:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 01 04:45:42 2022
 Response via : Initial Calibration

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

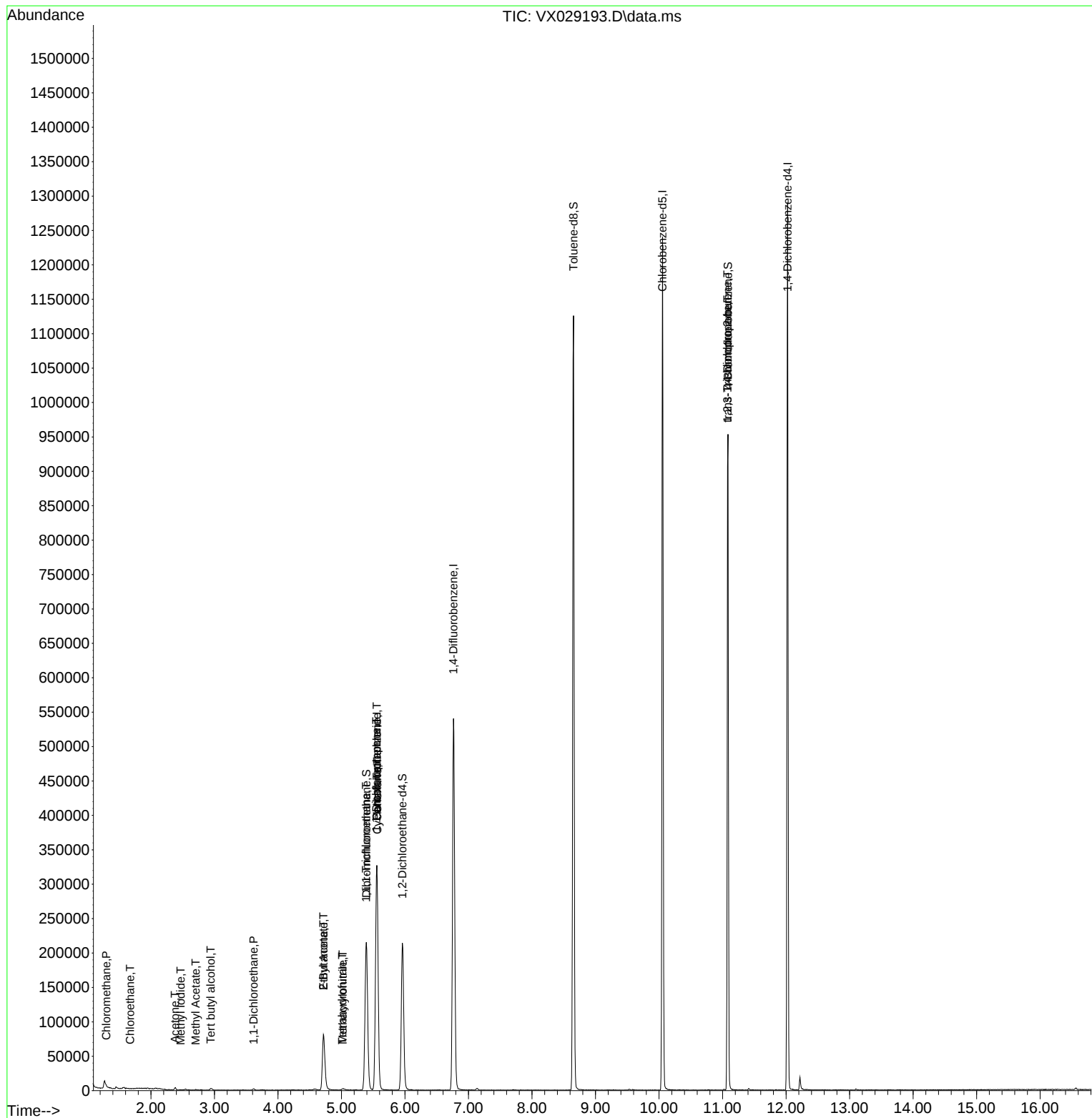
Internal Standards						
1) Pentafluorobenzene	5.556	168	313850	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	579241	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	570814	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	264319	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	205782	58.145	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	116.300%
35) Dibromofluoromethane	5.391	113	194641	50.590	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.180%
50) Toluene-d8	8.653	98	688517	48.929	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.860%
62) 4-Bromofluorobenzene	11.085	95	274770	50.514	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	101.020%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	619	0.217	ug/l #	76
5) Bromomethane	1.624	94	585	Below Cal	#	76
6) Chloroethane	1.672	64	186	1.471	ug/l #	43
10) Methyl Iodide	2.465	142	413	4.334	ug/l #	64
11) Tert butyl alcohol	2.940	59	1804	2.200	ug/l #	72
16) Acetone	2.380	43	3401	2.440	ug/l #	87
18) Methyl Acetate	2.703	43	913	0.253	ug/l	90
24) 1,1-Dichloroethane	3.617	63	2110	0.401	ug/l #	84
25) 2-Butanone	4.715	43	134455	59.809	ug/l #	44
29) Tetrahydrofuran	5.013	42	1982	1.375	ug/l #	25
31) Cyclohexane	5.562	56	5695	1.238	ug/l #	1
32) 1,1,1-Trichloroethane	5.385	97	1676	0.318	ug/l #	48
36) 1,1-Dichloropropene	5.550	75	23380	4.723	ug/l #	50
37) Ethyl Acetate	4.715	43	134455	28.024	ug/l	98
38) Carbon Tetrachloride	5.556	117	32663	5.773	ug/l #	17
41) Methacrylonitrile	5.019	41	657	0.254	ug/l #	36
44) Trichloroethene	7.135	130	1077	Below Cal		48
76) 1,2,3-Trichloropropane	11.079	75	132125	24.658	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	132125	72.343	ug/l #	15

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

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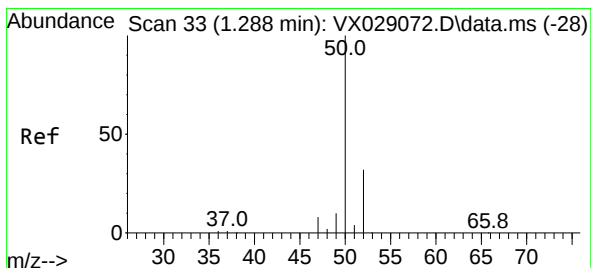
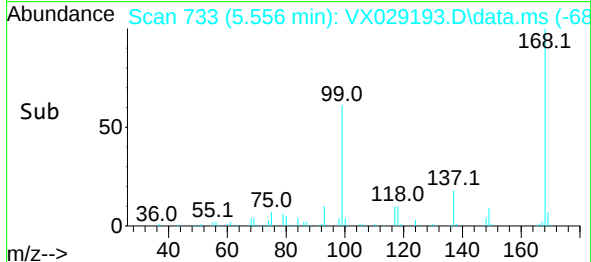
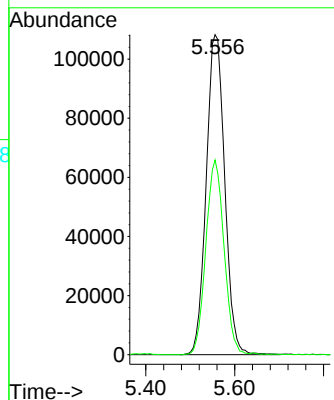
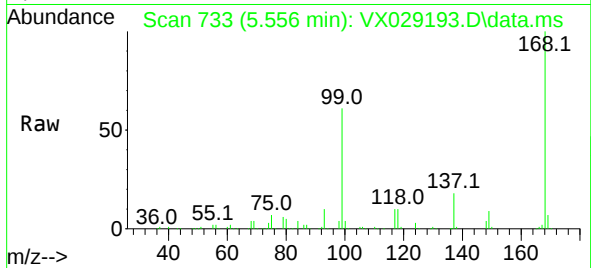




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029193.D
Acq: 03 Jun 2022 16:26

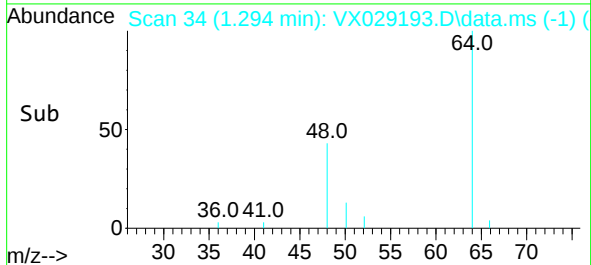
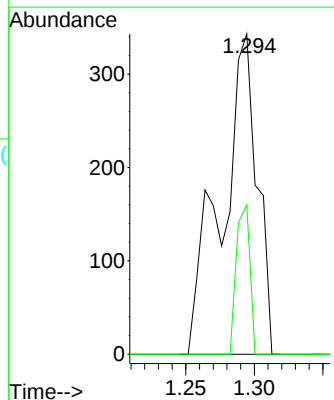
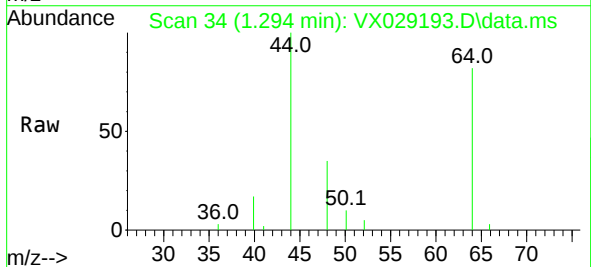
Instrument :
MSVOA_X
ClientSampleId :
32S-20220531

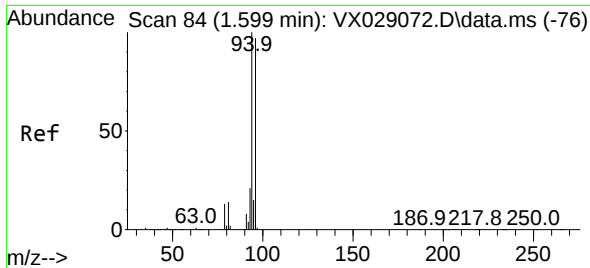
Tgt Ion:168 Resp: 313850
Ion Ratio Lower Upper
168 100
99 60.9 41.7 62.5



#3
Chloromethane
Concen: 0.217 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX029193.D
Acq: 03 Jun 2022 16:26

Tgt Ion: 50 Resp: 619
Ion Ratio Lower Upper
50 100
52 46.6 26.4 39.6#

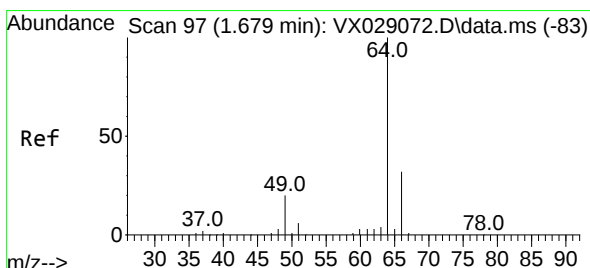
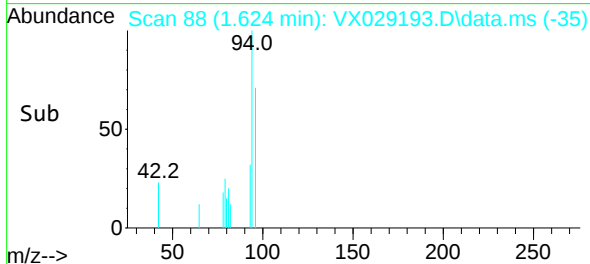
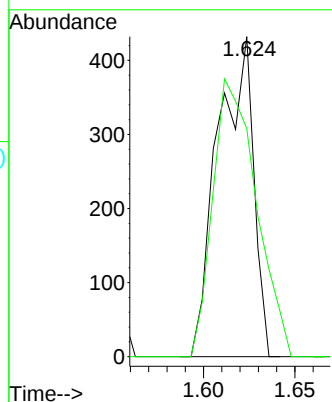
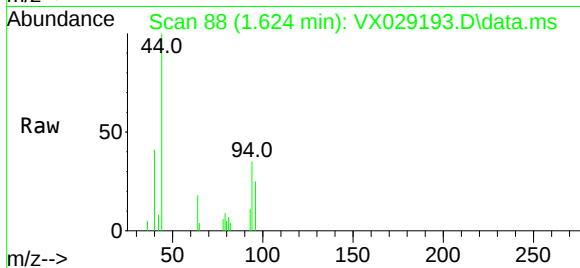




#5
Bromomethane
Concen: Below Cal
RT: 1.624 min Scan# 84
Delta R.T. 0.025 min
Lab File: VX029193.D
Acq: 03 Jun 2022 16:26

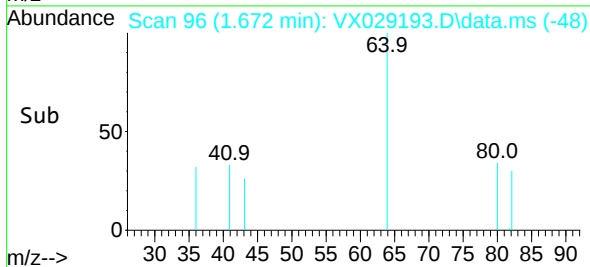
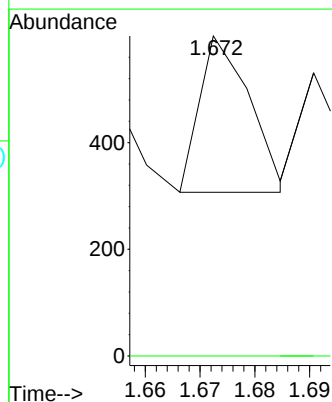
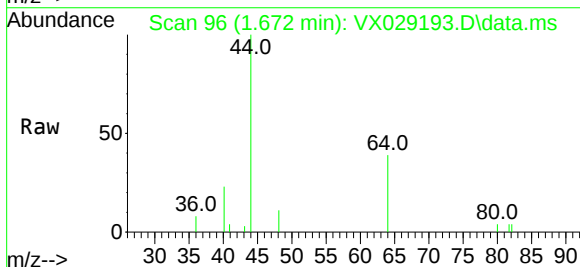
Instrument :
MSVOA_X
ClientSampleId :
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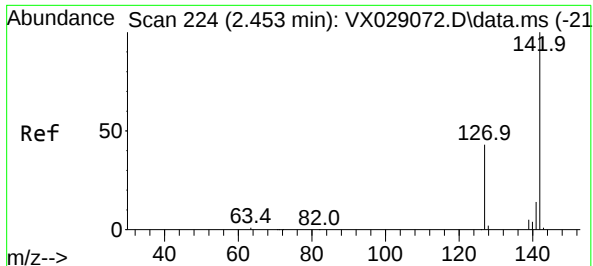
Tgt Ion: 94 Resp: 585
Ion Ratio Lower Upper
94 100
96 71.3 75.3 112.9#



#6
Chloroethane
Concen: 1.471 ug/l
RT: 1.672 min Scan# 96
Delta R.T. -0.007 min
Lab File: VX029193.D
Acq: 03 Jun 2022 16:26

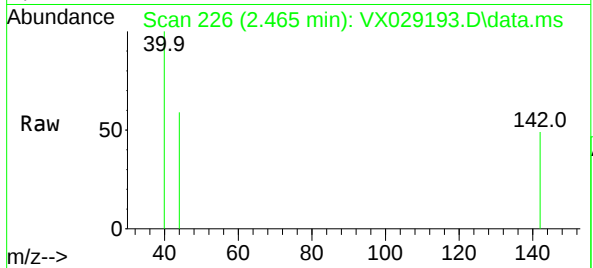
Tgt Ion: 64 Resp: 186
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



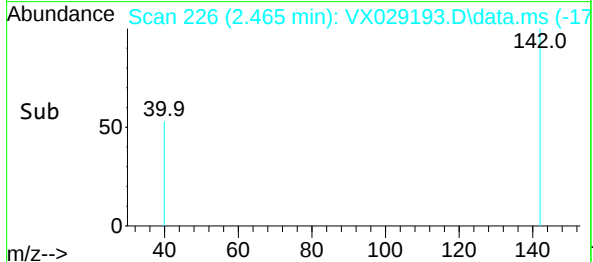
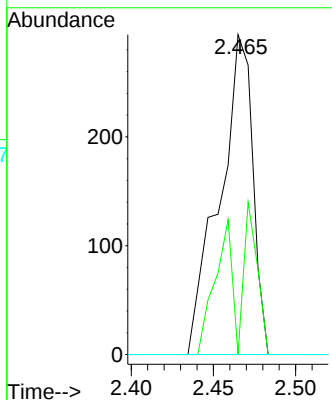


#10
Methyl Iodide
Concen: 4.334 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX029193.D
Acq: 03 Jun 2022 16:26

Instrument :
MSVOA_X
ClientSampleId :
32S-20220531

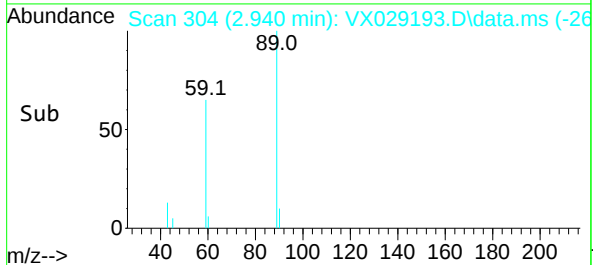
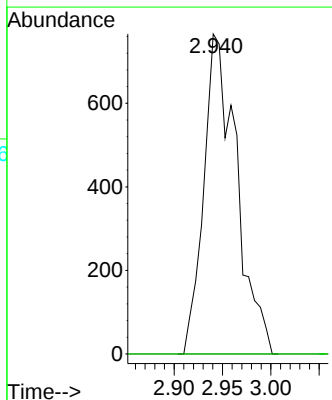
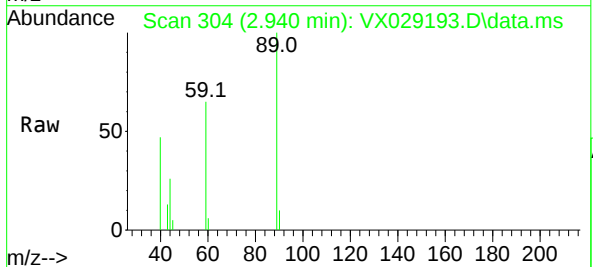


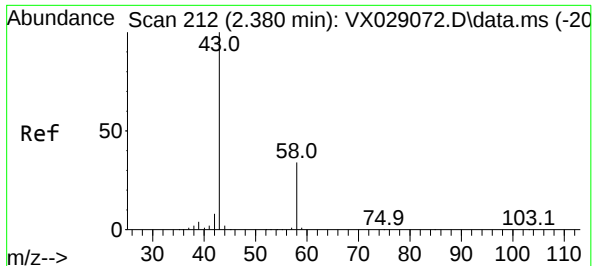
Tgt Ion:142 Resp: 413
Ion Ratio Lower Upper
142 100
127 19.4 33.9 50.9#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 2.200 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.031 min
Lab File: VX029193.D
Acq: 03 Jun 2022 16:26

Tgt Ion: 59 Resp: 1804
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

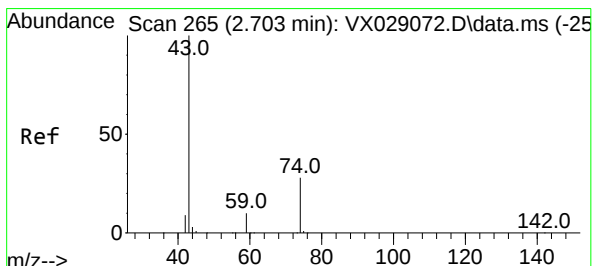
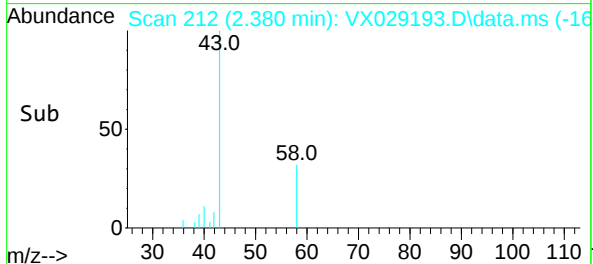
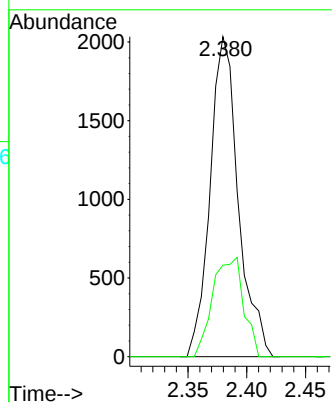
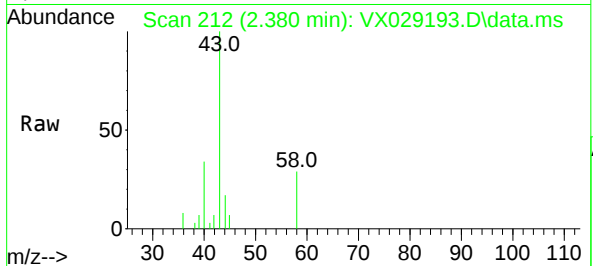




#16
Acetone
Concen: 2.440 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX029193.D
Acq: 03 Jun 2022 16:26

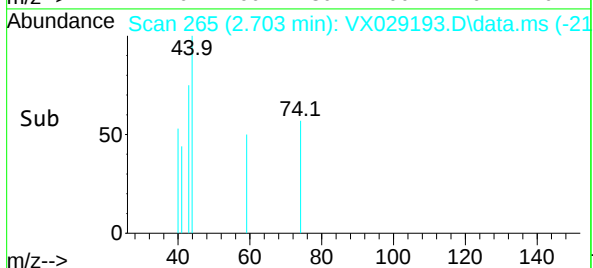
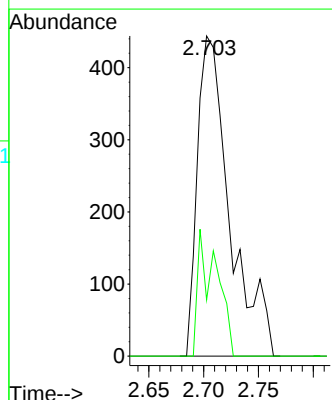
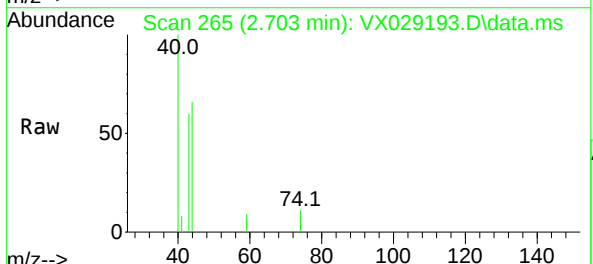
Instrument :
MSVOA_X
ClientSampleId :
32S-20220531

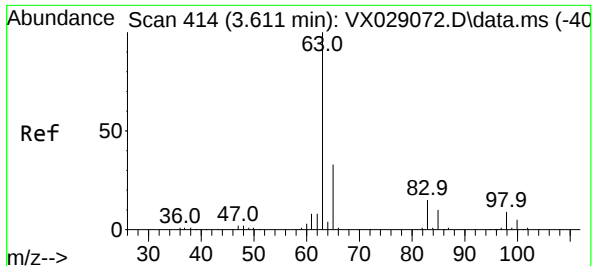
Tgt Ion: 43 Resp: 3401
Ion Ratio Lower Upper
43 100
58 28.6 28.8 43.2#



#18
Methyl Acetate
Concen: 0.253 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX029193.D
Acq: 03 Jun 2022 16:26

Tgt Ion: 43 Resp: 913
Ion Ratio Lower Upper
43 100
74 23.0 22.8 34.2

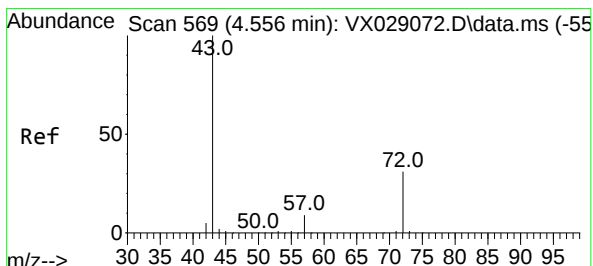
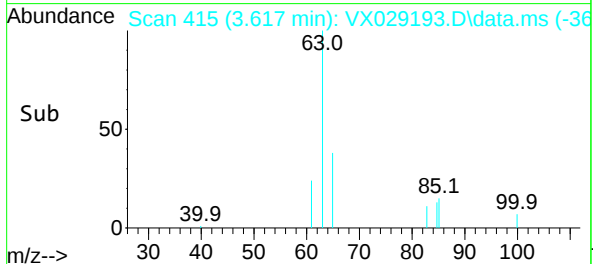
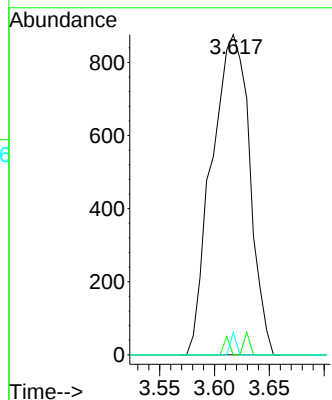
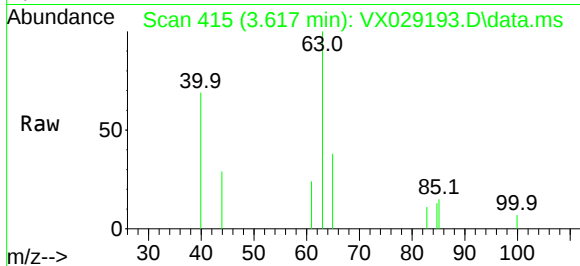




#24
 1,1-Dichloroethane
 Concen: 0.401 ug/l
 RT: 3.617 min Scan# 414
 Delta R.T. 0.006 min
 Lab File: VX029193.D
 Acq: 03 Jun 2022 16:26

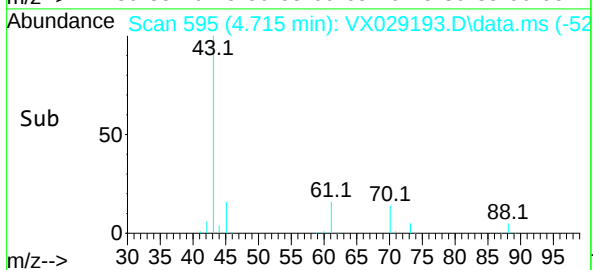
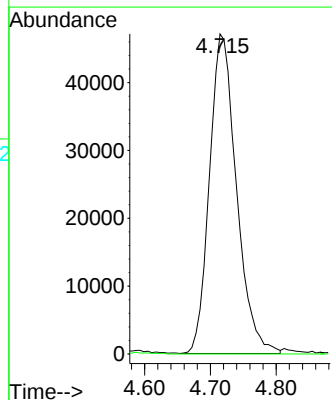
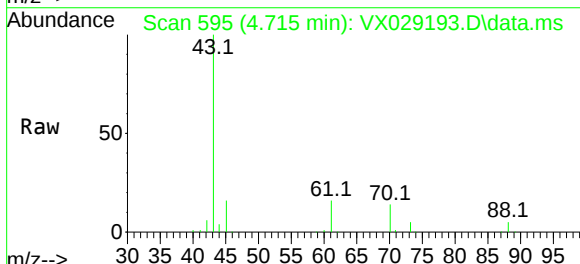
Instrument :
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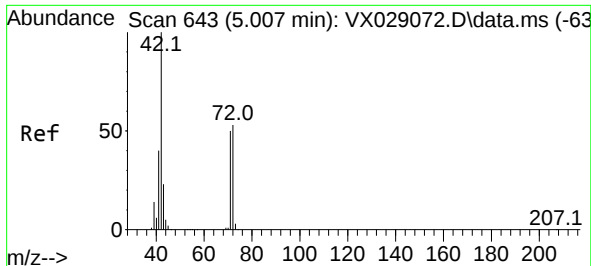
Tgt Ion: 63 Resp: 2110
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.9 11.7#
 100 7.0 2.4 7.2



#25
 2-Butanone
 Concen: 59.809 ug/l
 RT: 4.715 min Scan# 595
 Delta R.T. 0.159 min
 Lab File: VX029193.D
 Acq: 03 Jun 2022 16:26

Tgt Ion: 43 Resp: 134455
 Ion Ratio Lower Upper
 43 100
 72 0.0 24.4 36.6#





#29

Tetrahydrofuran

Concen: 1.375 ug/l

RT: 5.013 min Scan# 64

Delta R.T. 0.006 min

Lab File: VX029193.D

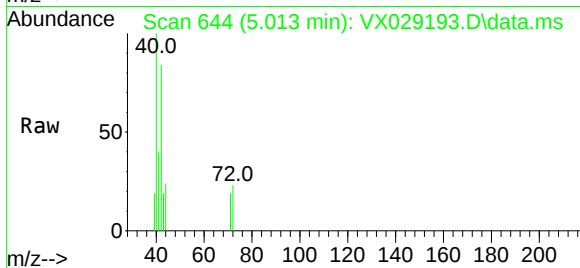
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Instrument :

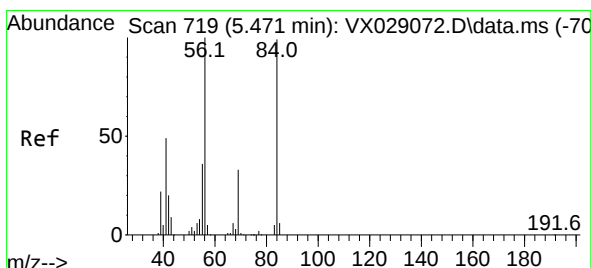
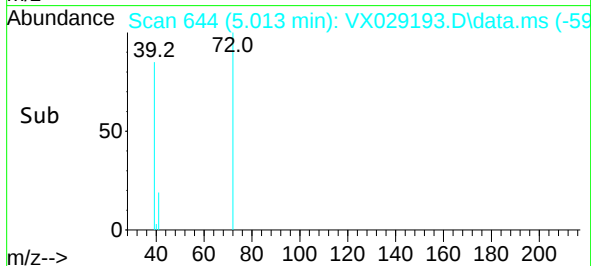
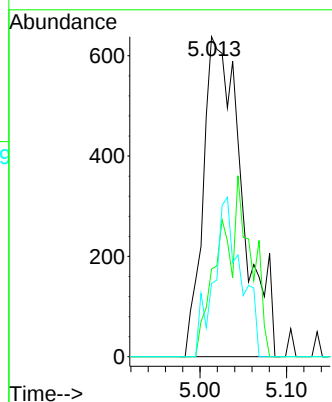
MSVOA_X

ClientSampleId :

32S-20220531



Tgt Ion:	42	Resp:	1982
Ion	Ratio	Lower	Upper
42	100		
72	0.0	44.1	66.1#
71	0.0	40.5	60.7#



#31

Cyclohexane

Concen: 1.238 ug/l

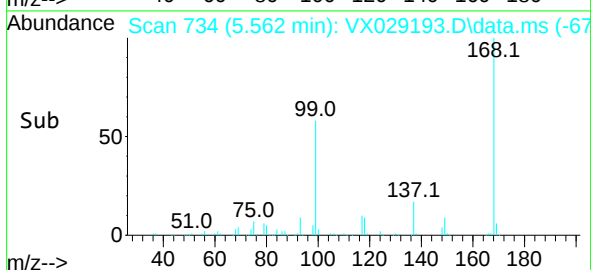
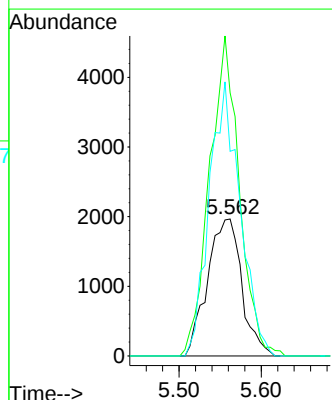
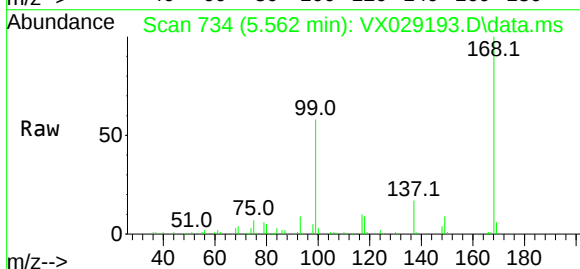
RT: 5.562 min Scan# 734

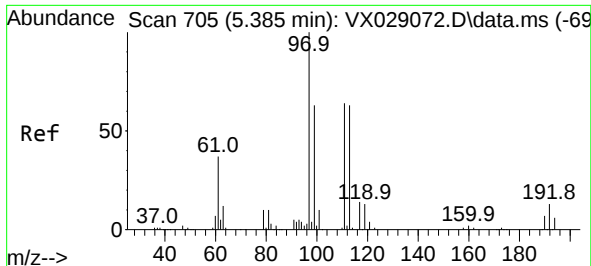
Delta R.T. 0.091 min

Lab File: VX029193.D

Acq: 03 Jun 2022 16:26

Tgt Ion:	56	Resp:	5695
Ion	Ratio	Lower	Upper
56	100		
69	192.1	26.7	40.1#
84	149.3	77.2	115.8#

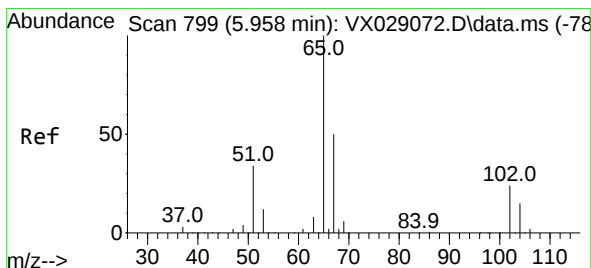
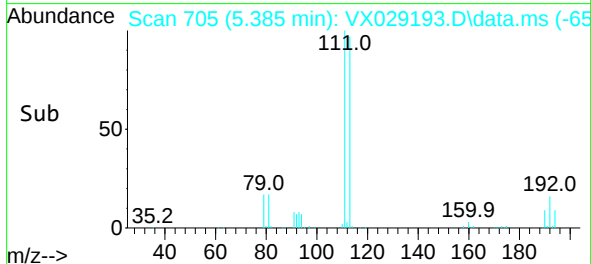
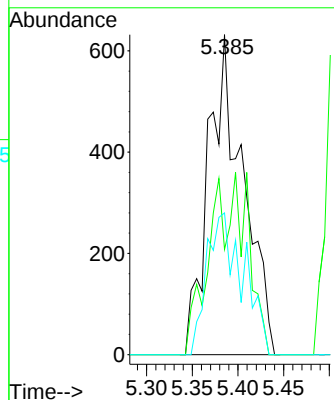
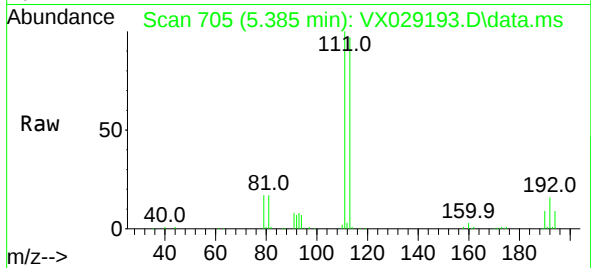




#32
1,1,1-Trichloroethane
Concen: 0.318 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX029193.D
Acq: 03 Jun 2022 16:26

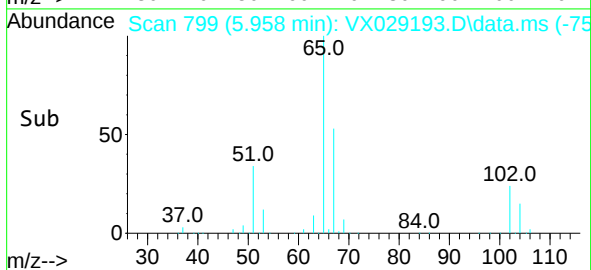
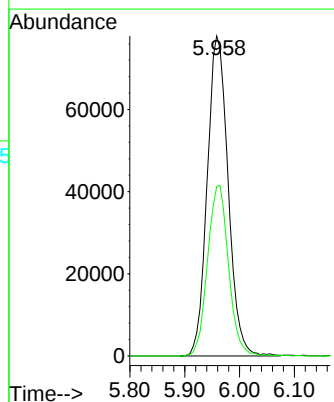
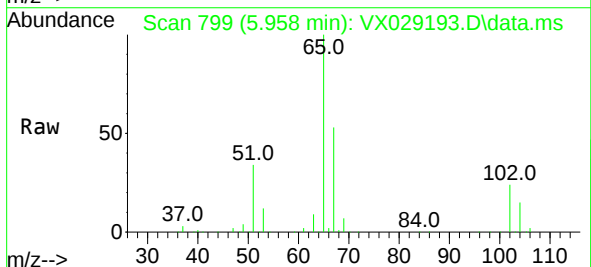
Instrument :
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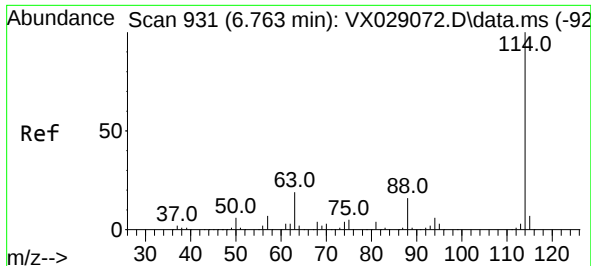
Tgt Ion: 97 Resp: 1676
Ion Ratio Lower Upper
97 100
99 0.0 51.8 77.6#
61 46.2 34.0 51.0



#33
1,2-Dichloroethane-d4
Concen: 58.145 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029193.D
Acq: 03 Jun 2022 16:26

Tgt Ion: 65 Resp: 205782
Ion Ratio Lower Upper
65 100
67 53.6 0.0 107.4

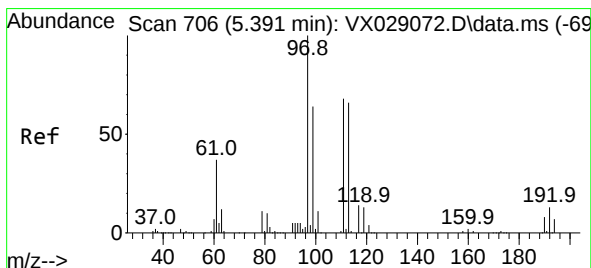
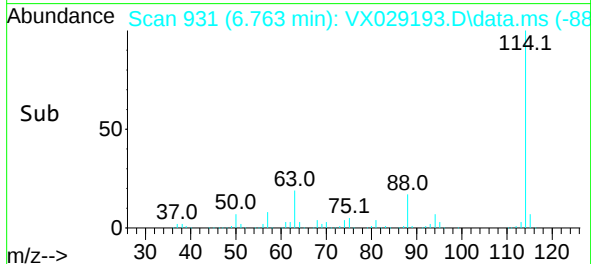
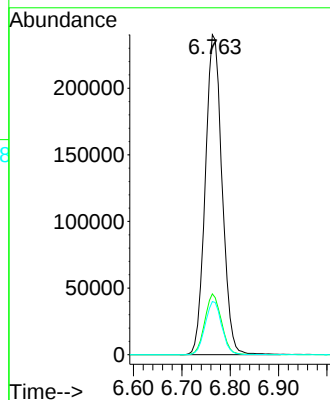
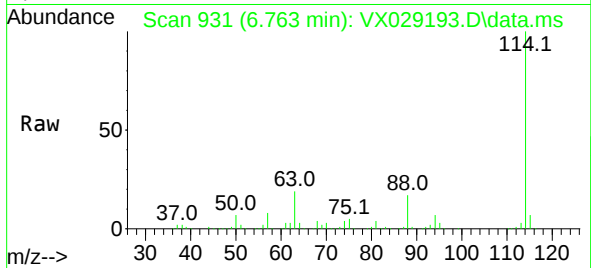




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX029193.D
Acq: 03 Jun 2022 16:26

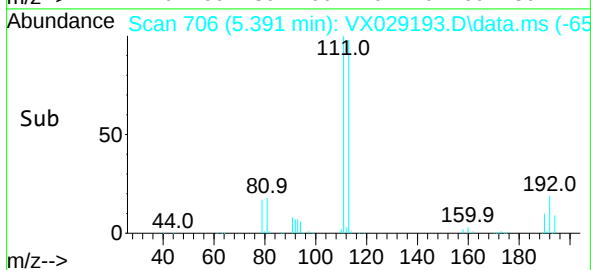
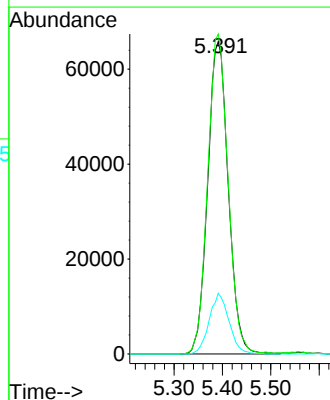
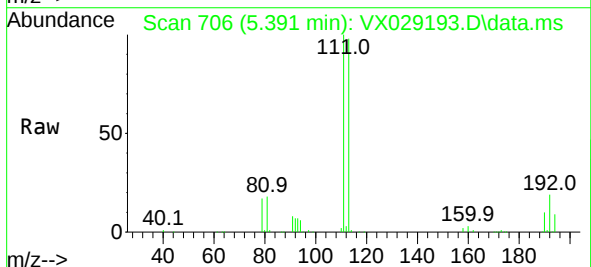
Instrument :
MSVOA_X
ClientSampleId :
32S-20220531

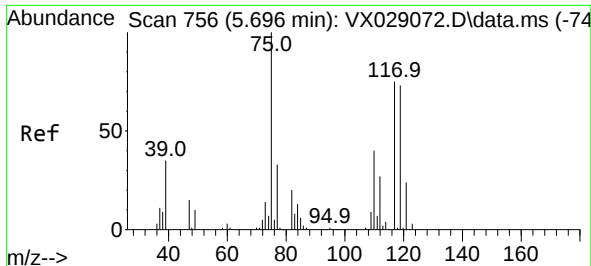
Tgt Ion:114 Resp: 579241
Ion Ratio Lower Upper
114 100
63 19.0 0.0 36.8
88 16.6 0.0 32.4



#35
Dibromofluoromethane
Concen: 50.590 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029193.D
Acq: 03 Jun 2022 16:26

Tgt Ion:113 Resp: 194641
Ion Ratio Lower Upper
113 100
111 101.1 82.8 124.2
192 18.6 16.9 25.3

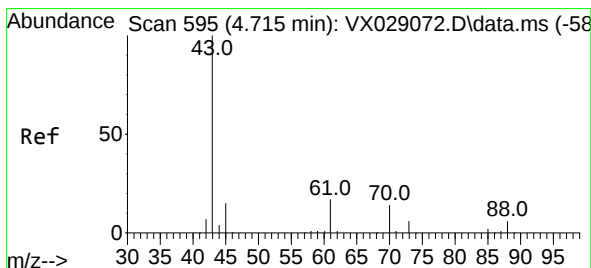
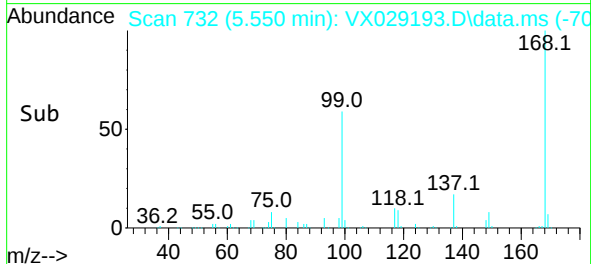
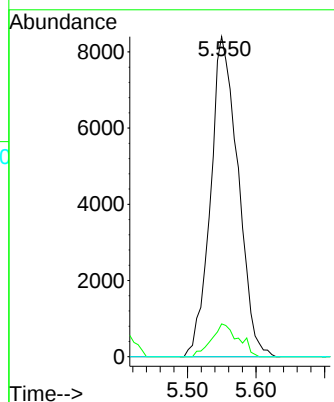
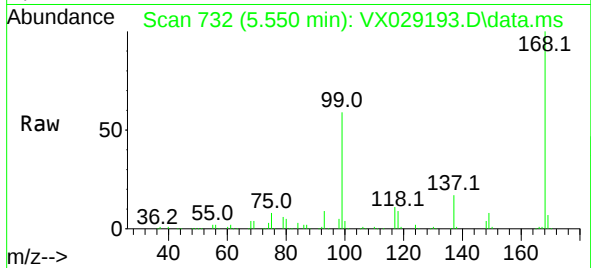




#36
1,1-Dichloropropene
Concen: 4.723 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX029193.D
Acq: 03 Jun 2022 16:26

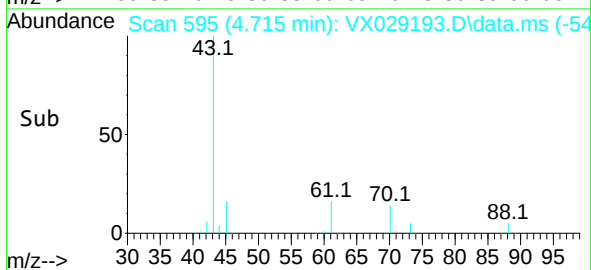
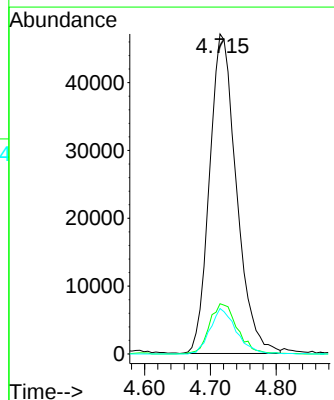
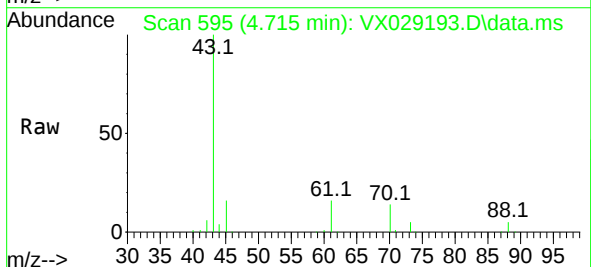
Instrument :
MSVOA_X
ClientSampleId :
32S-20220531

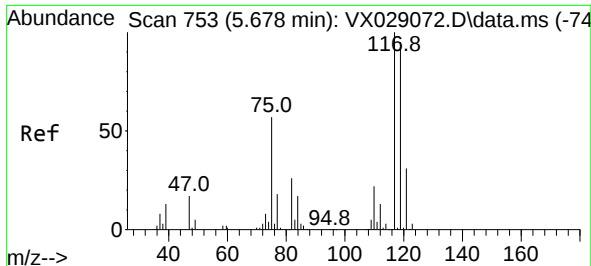
Tgt Ion: 75 Resp: 23380
Ion Ratio Lower Upper
75 100
110 10.1 18.3 54.8#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 28.024 ug/l
RT: 4.715 min Scan# 595
Delta R.T. -0.000 min
Lab File: VX029193.D
Acq: 03 Jun 2022 16:26

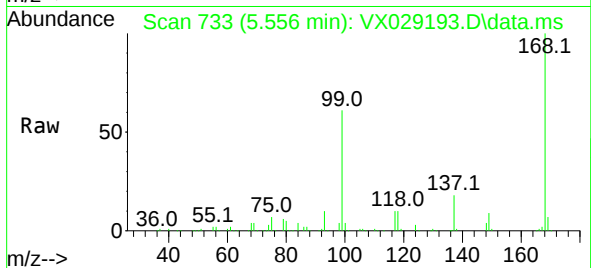
Tgt Ion: 43 Resp: 134455
Ion Ratio Lower Upper
43 100
61 16.4 12.6 19.0
70 13.9 10.2 15.2



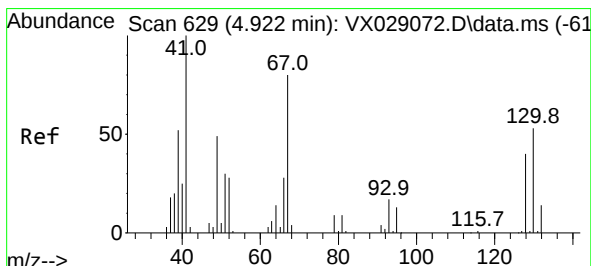
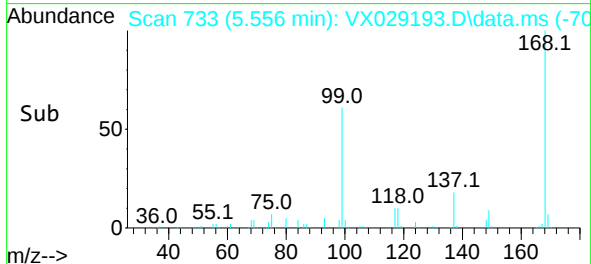
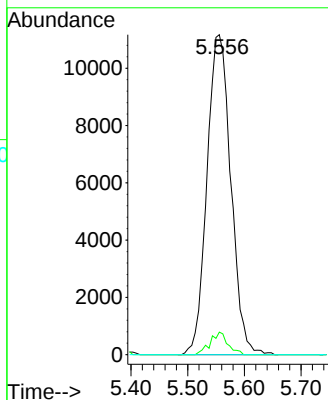


#38
Carbon Tetrachloride
Concen: 5.773 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX029193.D
Acq: 03 Jun 2022 16:26

Instrument :
MSVOA_X
ClientSampleId :
32S-20220531

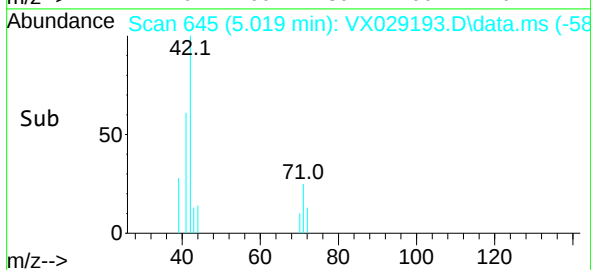
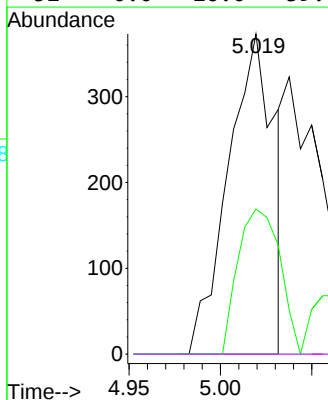
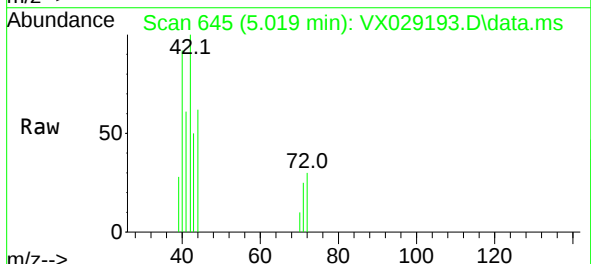


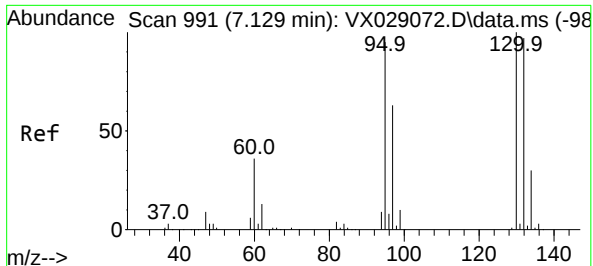
Tgt Ion:117 Resp: 32663
Ion Ratio Lower Upper
117 100
119 7.0 77.3 115.9#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 0.254 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.097 min
Lab File: VX029193.D
Acq: 03 Jun 2022 16:26

Tgt Ion: 41 Resp: 657
Ion Ratio Lower Upper
41 100
39 41.1 43.0 64.4#
67 0.0 70.2 105.4#
52 0.0 26.0 39.0#

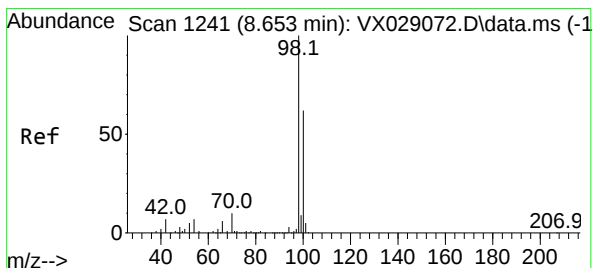
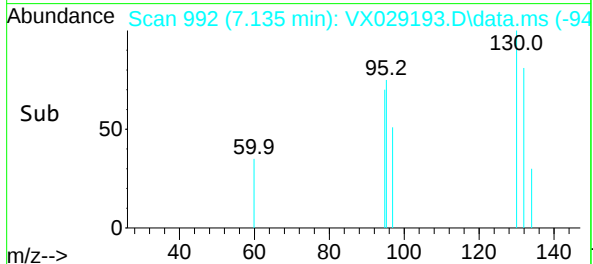
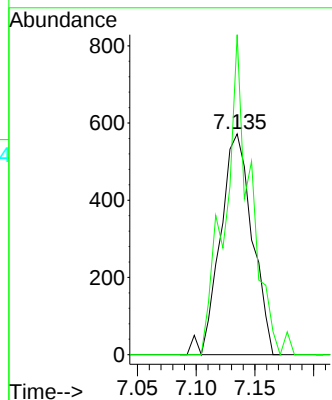
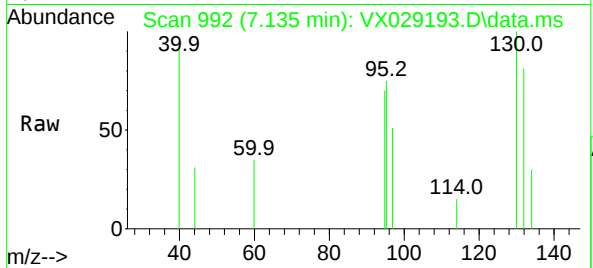




#44
Trichloroethene
Concen: Below Cal
RT: 7.135 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX029193.D
Acq: 03 Jun 2022 16:26

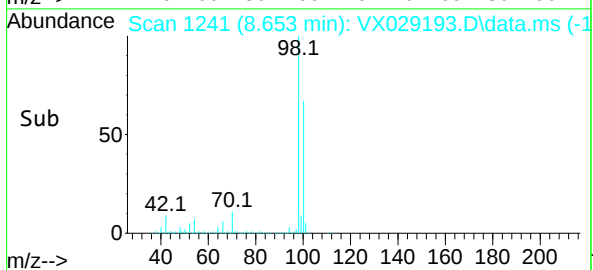
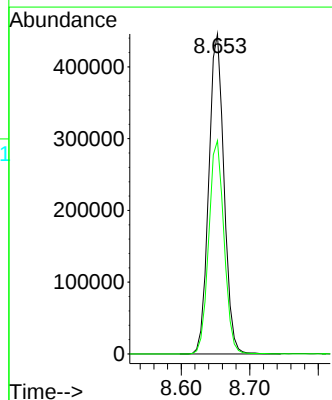
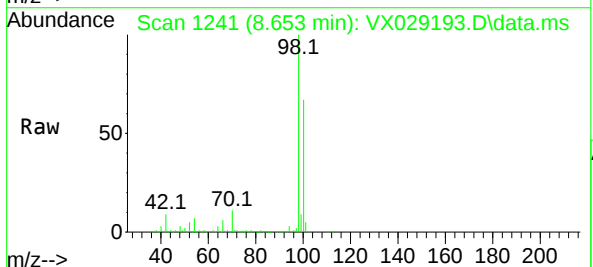
Instrument :
MSVOA_X
ClientSampleId :
32S-20220531

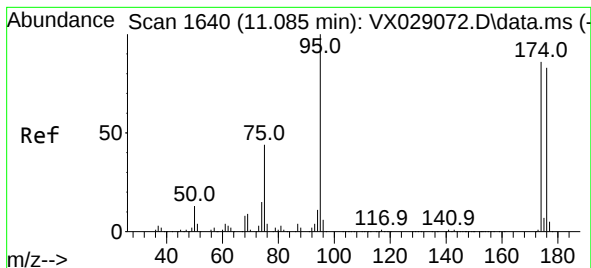
Tgt Ion:130 Resp: 1077
Ion Ratio Lower Upper
130 100
95 144.9 0.0 188.8



#50
Toluene-d8
Concen: 48.929 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX029193.D
Acq: 03 Jun 2022 16:26

Tgt Ion: 98 Resp: 688517
Ion Ratio Lower Upper
98 100
100 66.9 52.6 78.8

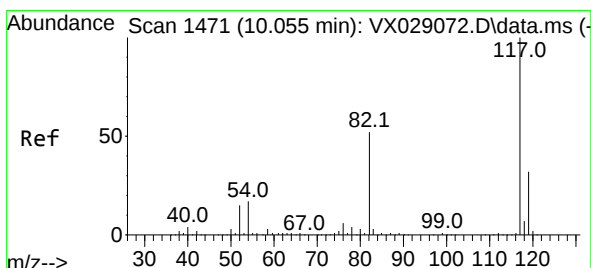
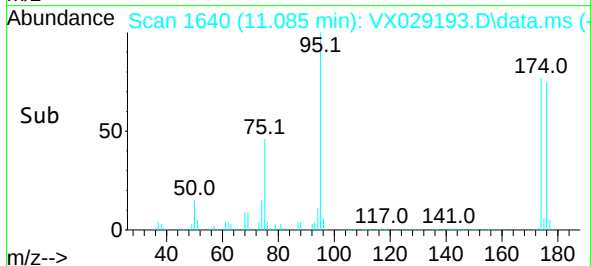
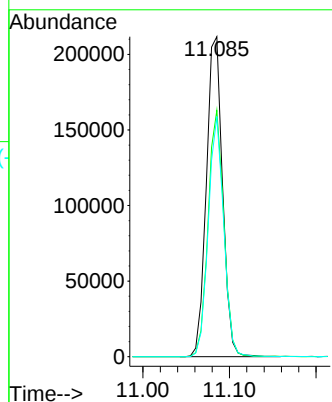
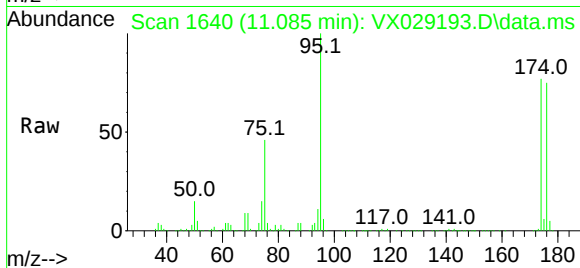




#62
4-Bromofluorobenzene
Concen: 50.514 ug/l
RT: 11.085 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029193.D
Acq: 03 Jun 2022 16:26

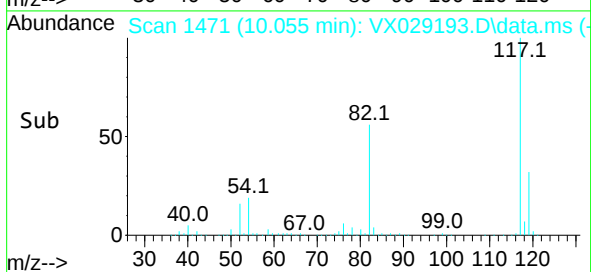
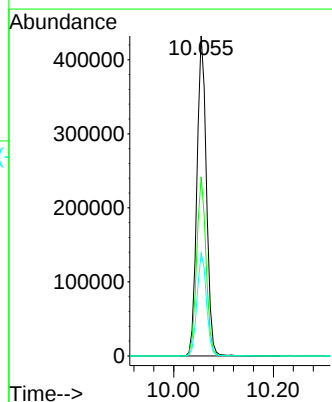
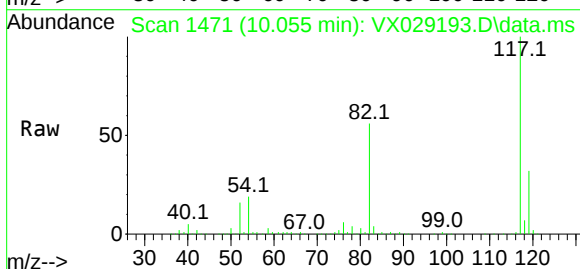
Instrument :
MSVOA_X
ClientSampleId :
32S-20220531

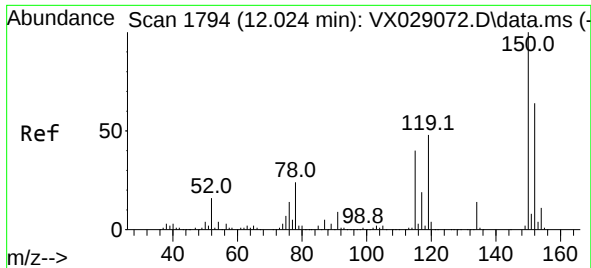
Tgt Ion: 95 Resp: 274770
Ion Ratio Lower Upper
95 100
174 74.5 0.0 163.0
176 71.6 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029193.D
Acq: 03 Jun 2022 16:26

Tgt Ion: 117 Resp: 570814
Ion Ratio Lower Upper
117 100
82 56.0 41.8 62.8
119 32.1 24.8 37.2

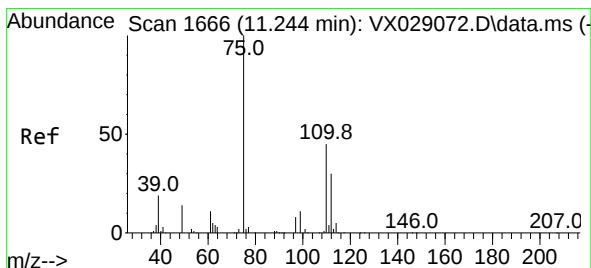
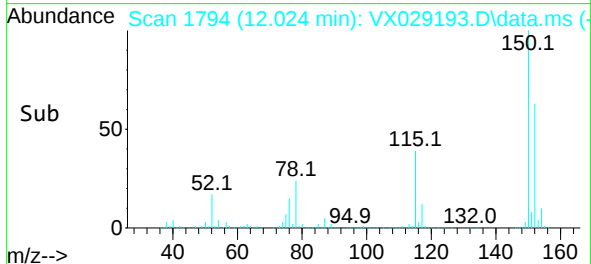
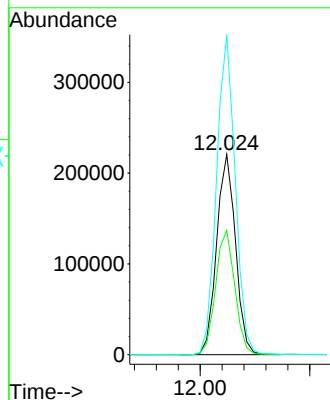
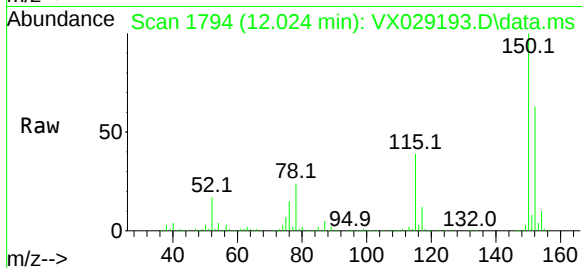




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029193.D
Acq: 03 Jun 2022 16:26

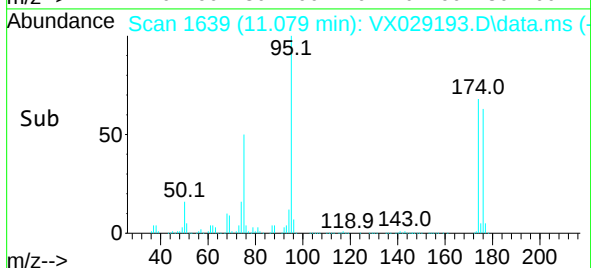
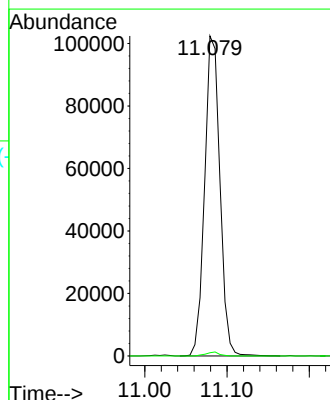
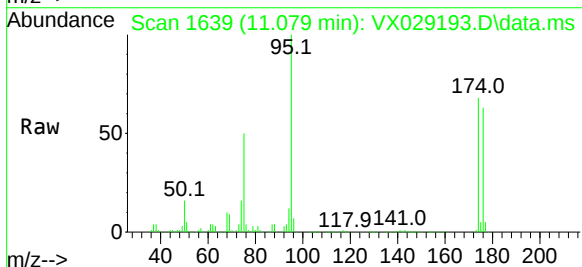
Instrument :
MSVOA_X
ClientSampleId :
32S-20220531

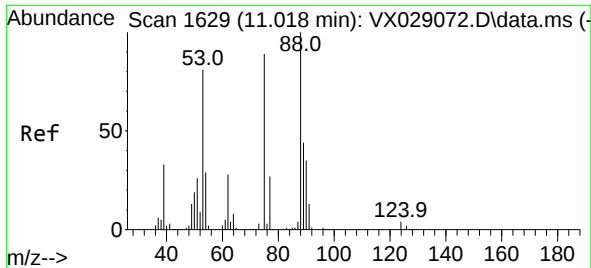
Tgt Ion:152 Resp: 264319
Ion Ratio Lower Upper
152 100
115 63.1 37.5 112.7
150 158.2 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 24.658 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029193.D
Acq: 03 Jun 2022 16:26

Tgt Ion: 75 Resp: 132125
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.343 ug/l
 RT: 11.079 min Scan# 11
 Delta R.T. 0.061 min
 Lab File: VX029193.D
 Acq: 03 Jun 2022 16:26

Instrument :
 MSVOA_X
 ClientSampleId :
 32S-20220531

Tgt Ion: 75 Resp: 132125
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

