

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080124\
 Data File : VX042823.D
 Acq On : 02 Aug 2024 04:15
 Operator : JC/MD
 Sample : P3430-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 927-K1-WPO-0-0.25-073124-FD

Quant Time: Aug 02 05:43:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X080124W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 01 16:40:12 2024
 Response via : Initial Calibration

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

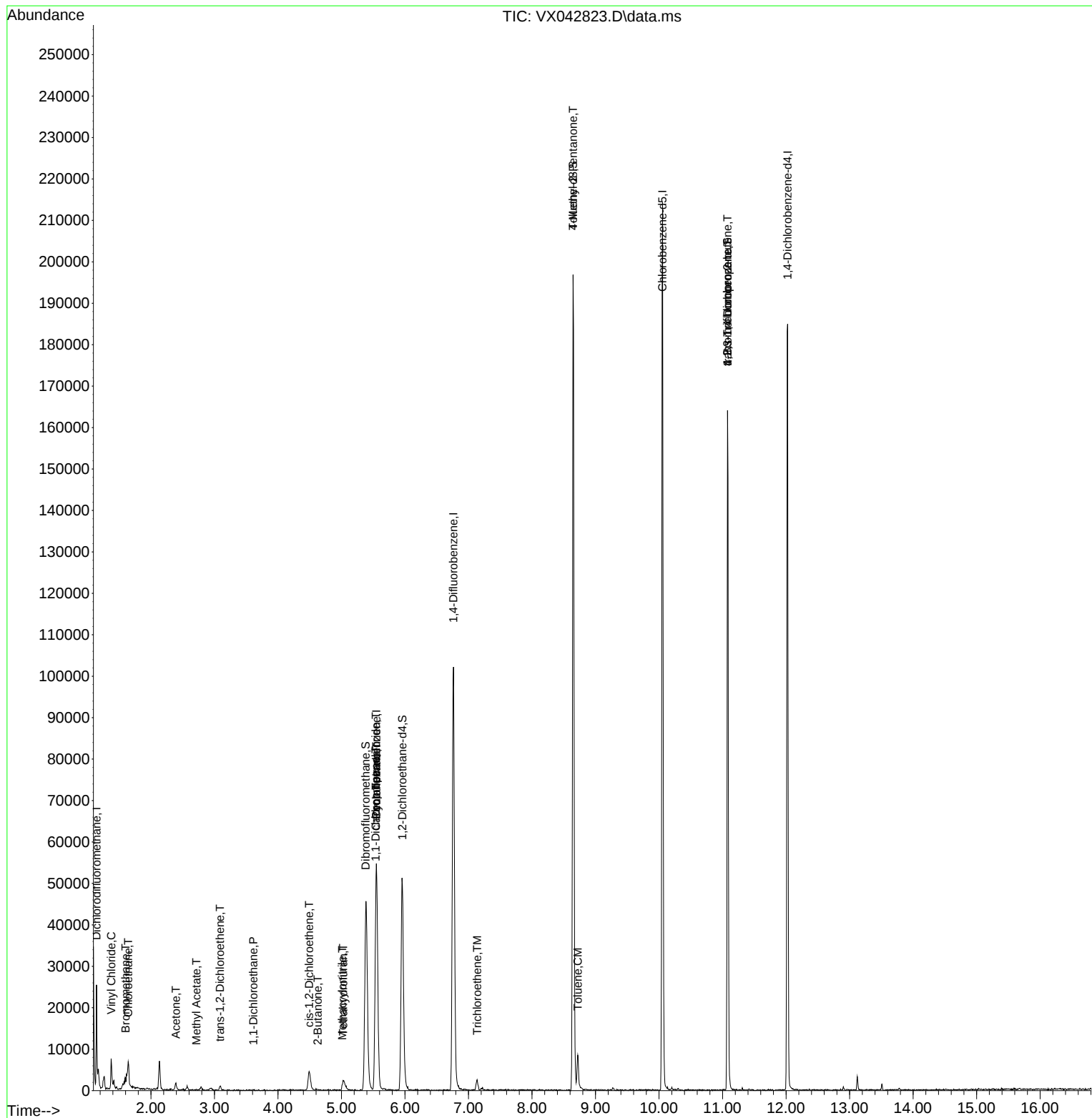
Internal Standards						
1) Pentafluorobenzene	5.550	168	50018	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	103357	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	99363	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	39078	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	52004	64.715	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 129.440%#	
35) Dibromofluoromethane	5.379	113	40655	56.940	ug/l	-0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	= 113.880%	
50) Toluene-d8	8.647	98	119289	46.028	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 92.060%	
62) 4-Bromofluorobenzene	11.079	95	45481	48.021	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.040%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.142	85	2291	2.890	ug/l	97
3) Chloromethane	1.300	50	237	Below Cal	#	43
4) Vinyl Chloride	1.374	62	5350	8.624	ug/l	97
5) Bromomethane	1.599	94	81	0.379	ug/l #	3
6) Chloroethane	1.642	64	117	0.522	ug/l #	43
11) Tert butyl alcohol	2.953	59	440	Below Cal	#	78
16) Acetone	2.392	43	2007	6.878	ug/l	97
18) Methyl Acetate	2.715	43	173	0.236	ug/l #	53
20) Methylene Chloride	2.794	84	364	Below Cal	#	67
21) trans-1,2-Dichloroethene	3.087	96	475	0.756	ug/l #	77
24) 1,1-Dichloroethane	3.611	63	422	0.387	ug/l #	83
25) 2-Butanone	4.623	43	220	0.513	ug/l #	51
27) cis-1,2-Dichloroethene	4.489	96	3484	4.745	ug/l	75
29) Tetrahydrofuran	5.025	42	2283	8.549	ug/l #	79
31) Cyclohexane	5.550	56	1099	1.241	ug/l #	37
36) 1,1-Dichloropropene	5.537	75	3956	4.272	ug/l #	47
38) Carbon Tetrachloride	5.544	117	4986	4.672	ug/l #	16
41) Methacrylonitrile	5.013	41	326	0.652	ug/l #	25
44) Trichloroethene	7.135	130	1077	1.416	ug/l	70
51) 4-Methyl-2-Pentanone	8.647	43	566	0.578	ug/l #	1
52) Toluene	8.720	92	3316	1.759	ug/l	92
76) 1,2,3-Trichloropropane	11.079	75	23871	26.733	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	23871	79.124	ug/l #	5

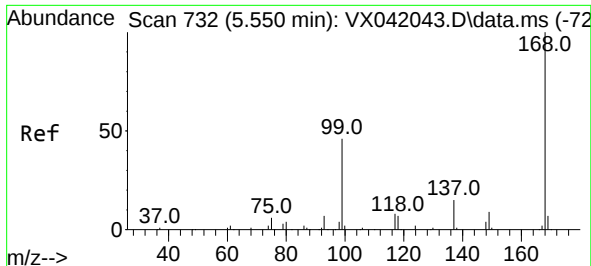
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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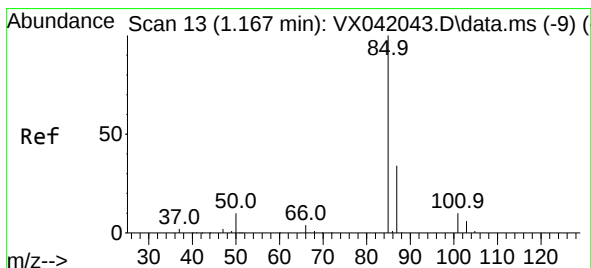
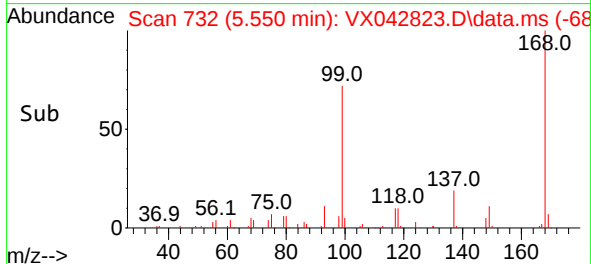
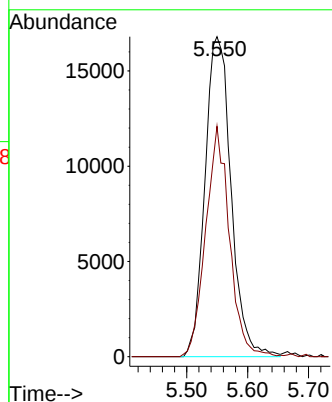
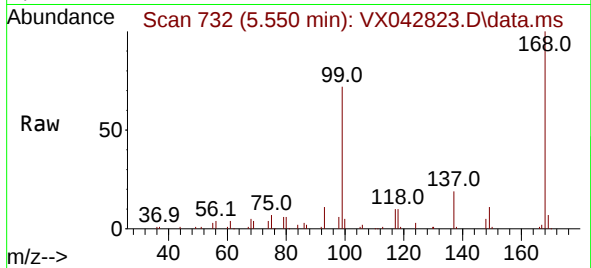




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX042823.D
Acq: 02 Aug 2024 04:15

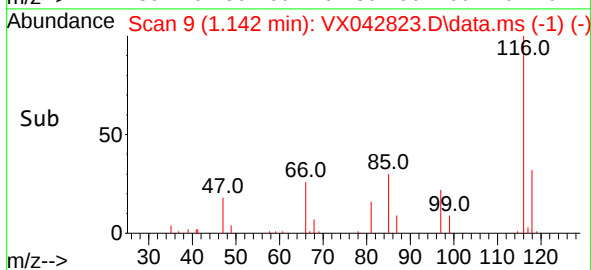
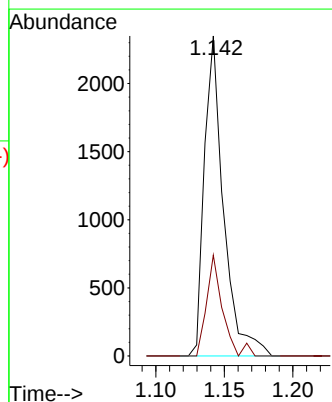
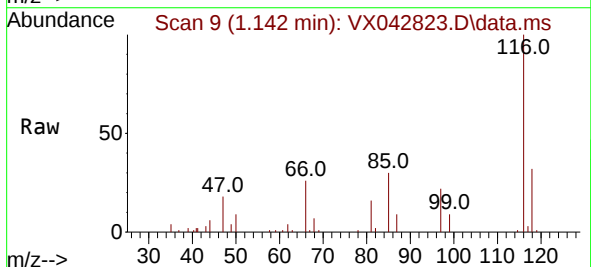
Instrument :
MSVOA_X
ClientSampleId :
927-K1-WPO-0-0.25-073124-FD

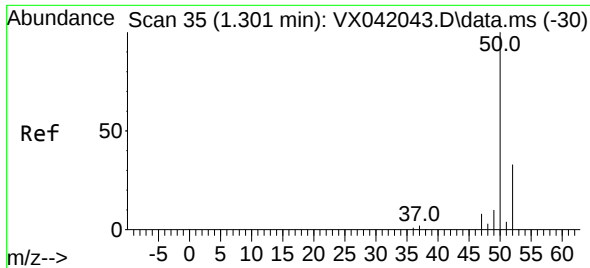
Tgt Ion:168 Resp: 50018
Ion Ratio Lower Upper
168 100
99 72.0 56.6 85.0



#2
Dichlorodifluoromethane
Concen: 2.890 ug/l
RT: 1.142 min Scan# 9
Delta R.T. -0.024 min
Lab File: VX042823.D
Acq: 02 Aug 2024 04:15

Tgt Ion: 85 Resp: 2291
Ion Ratio Lower Upper
85 100
87 31.5 16.7 50.1

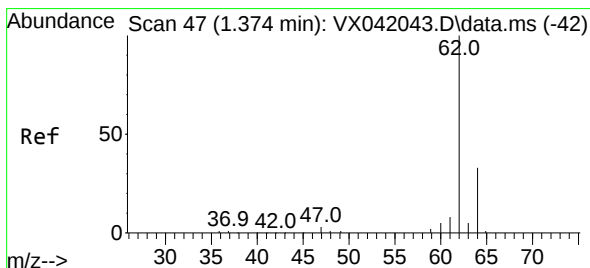
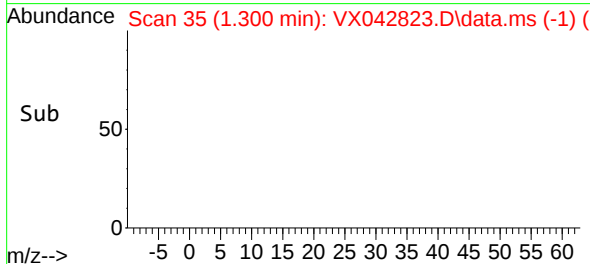
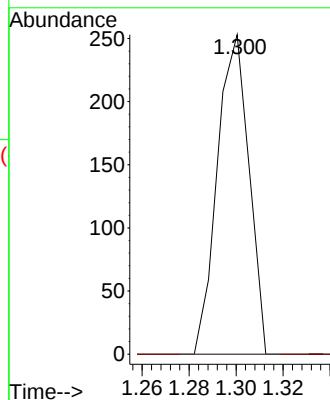
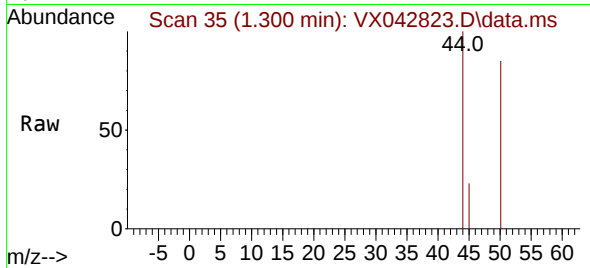




#3
Chloromethane
Concen: Below Cal
RT: 1.300 min Scan# 31
Delta R.T. -0.007 min
Lab File: VX042823.D
Acq: 02 Aug 2024 04:15

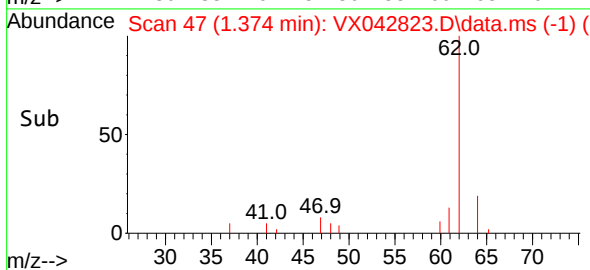
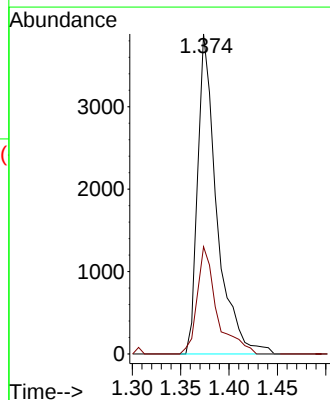
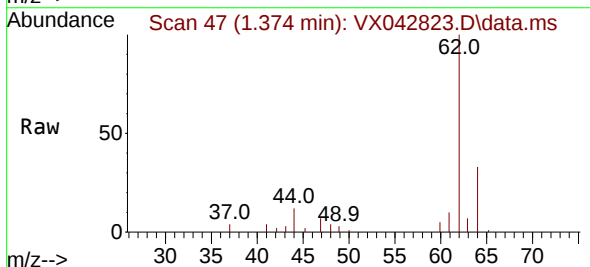
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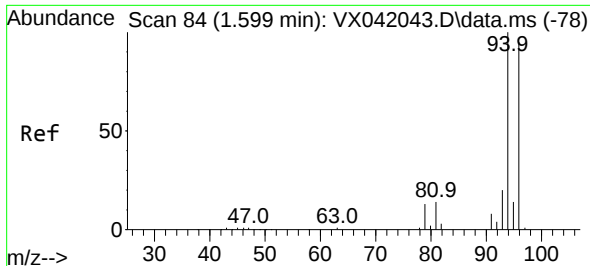
Tgt Ion: 50 Resp: 237
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#



#4
Vinyl Chloride
Concen: 8.624 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX042823.D
Acq: 02 Aug 2024 04:15

Tgt Ion: 62 Resp: 5350
Ion Ratio Lower Upper
62 100
64 33.5 25.4 38.0

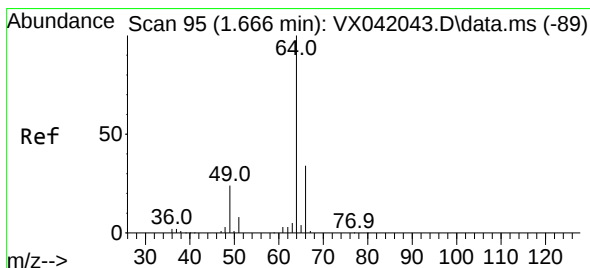
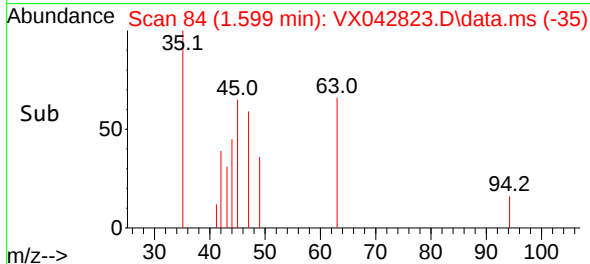
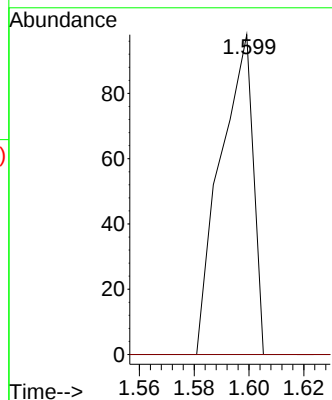
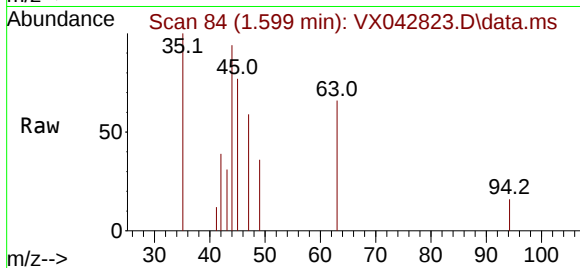




#5
Bromomethane
Concen: 0.379 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX042823.D
Acq: 02 Aug 2024 04:15

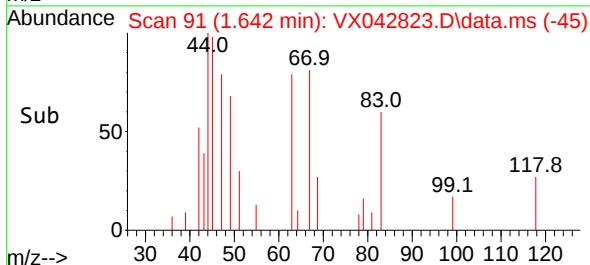
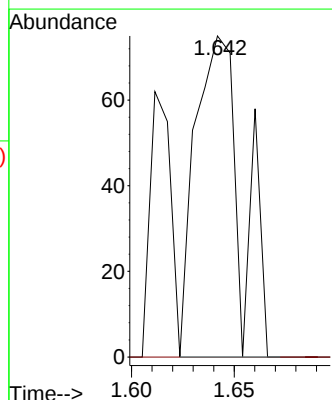
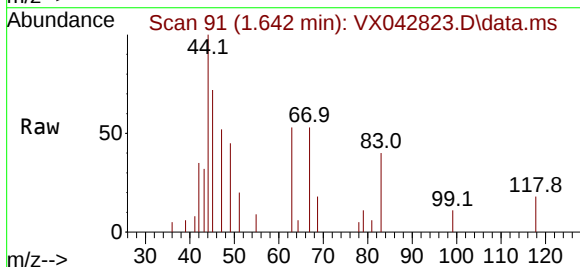
Instrument :
MSVOA_X
ClientSampleId :
927-K1-WPO-0-0.25-073124-FD

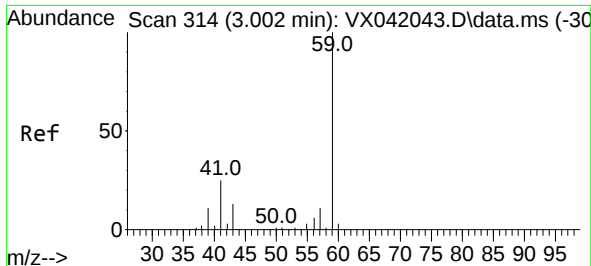
Tgt Ion: 94 Resp: 81
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#



#6
Chloroethane
Concen: 0.522 ug/l
RT: 1.642 min Scan# 91
Delta R.T. -0.018 min
Lab File: VX042823.D
Acq: 02 Aug 2024 04:15

Tgt Ion: 64 Resp: 117
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

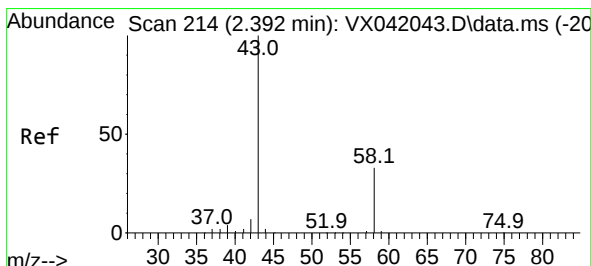
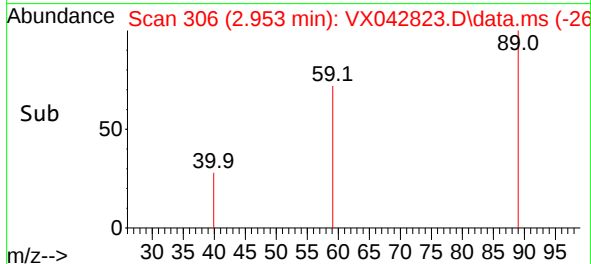
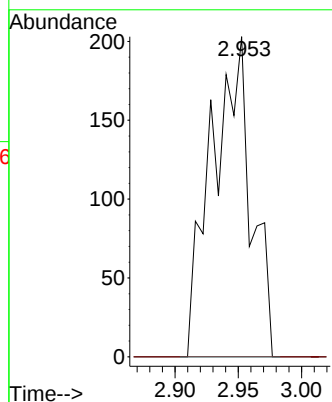
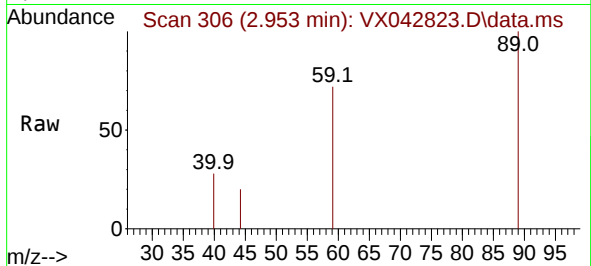




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.054 min
Lab File: VX042823.D
Acq: 02 Aug 2024 04:15

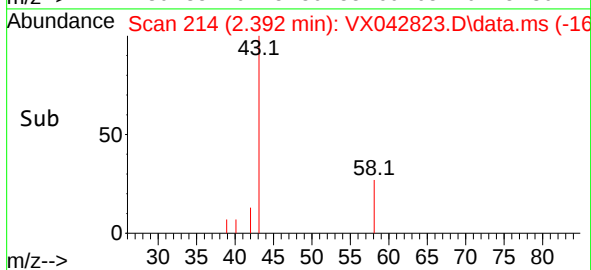
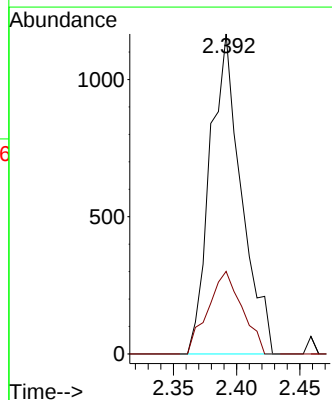
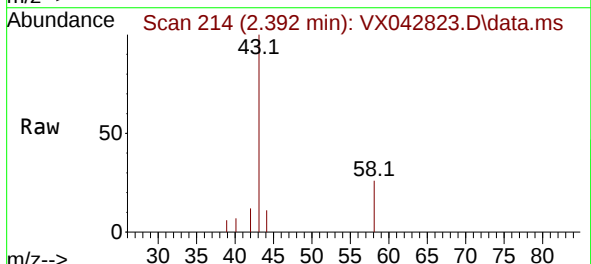
Instrument : MSVOA_X
ClientSampleId : 927-K1-WPO-0-0.25-073124-FD

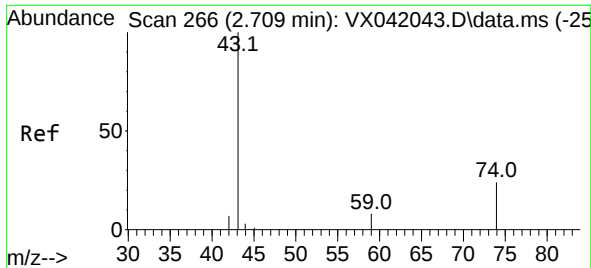
Tgt Ion: 59 Resp: 440
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#16
Acetone
Concen: 6.878 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX042823.D
Acq: 02 Aug 2024 04:15

Tgt Ion: 43 Resp: 2007
Ion Ratio Lower Upper
43 100
58 25.8 21.9 32.9

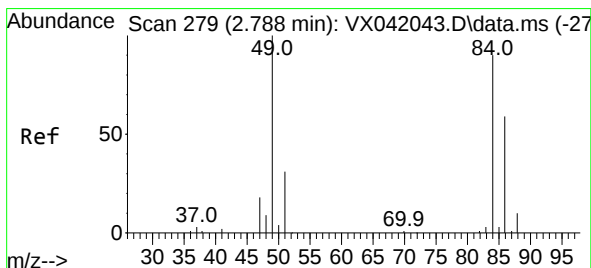
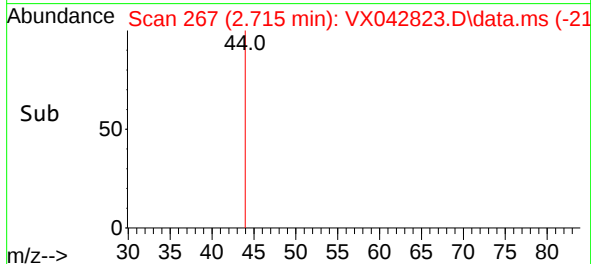
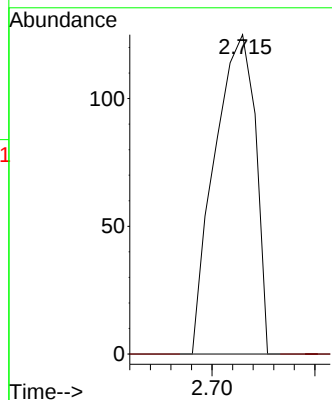
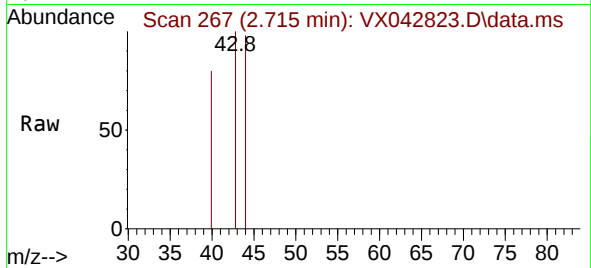




#18
Methyl Acetate
Concen: 0.236 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX042823.D
Acq: 02 Aug 2024 04:15

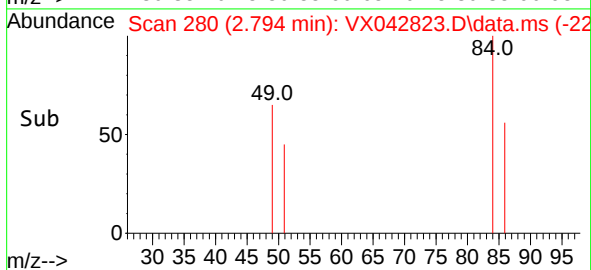
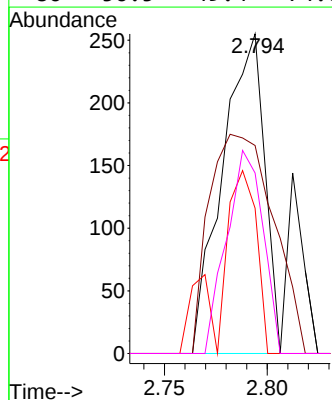
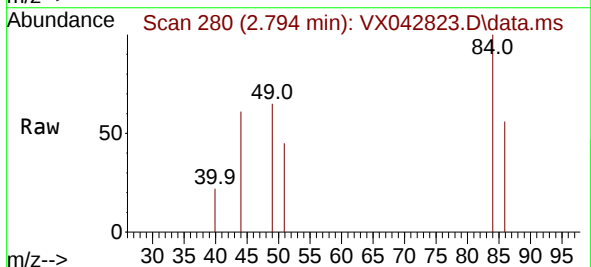
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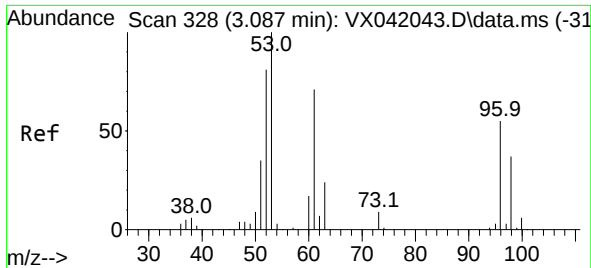
Tgt Ion: 43 Resp: 173
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.012 min
Lab File: VX042823.D
Acq: 02 Aug 2024 04:15

Tgt Ion: 84 Resp: 364
Ion Ratio Lower Upper
84 100
49 65.1 103.6 155.4#
51 45.5 33.8 50.6
86 56.5 49.4 74.0

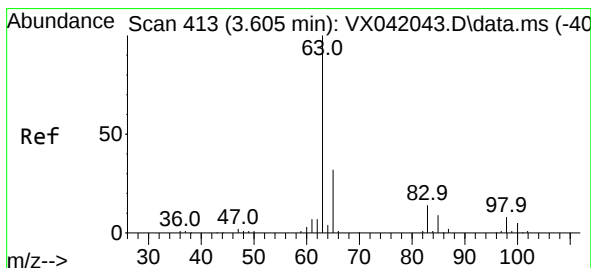
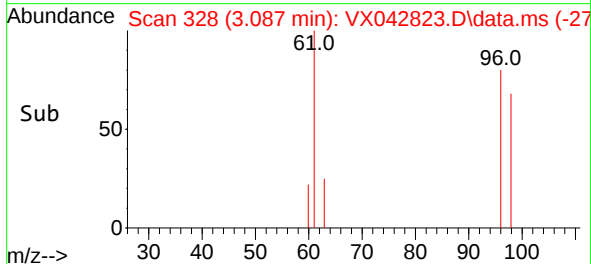
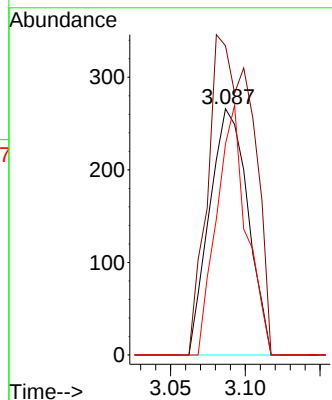
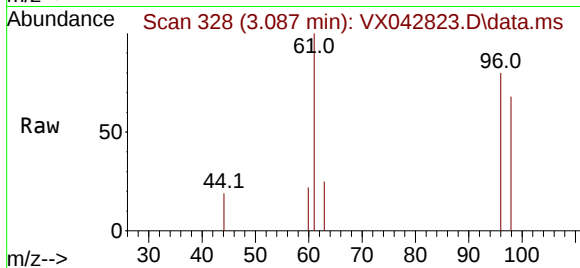




#21
trans-1,2-Dichloroethene
Concen: 0.756 ug/l
RT: 3.087 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX042823.D
Acq: 02 Aug 2024 04:15

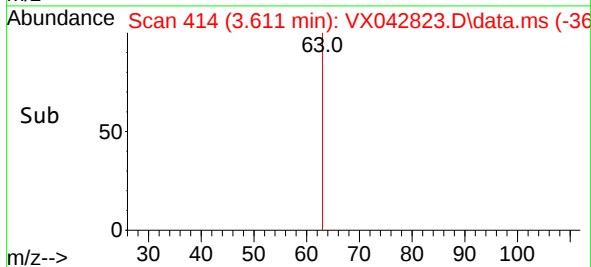
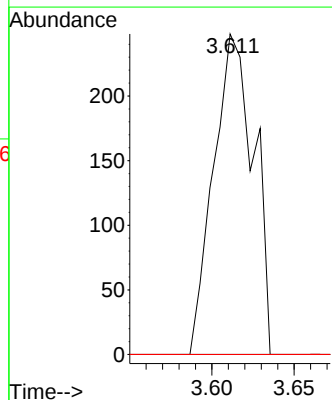
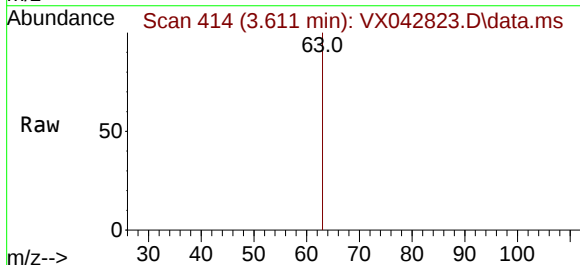
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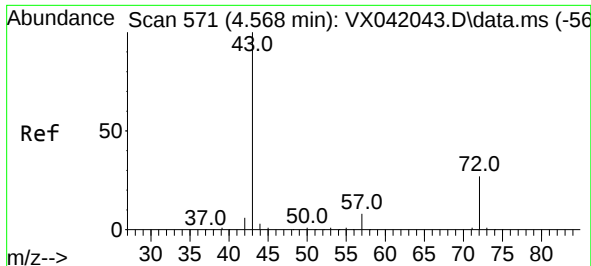
Tgt Ion: 96 Resp: 475
Ion Ratio Lower Upper
96 100
61 125.6 119.2 178.8
98 85.7 48.7 73.1#



#24
1,1-Dichloroethane
Concen: 0.387 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX042823.D
Acq: 02 Aug 2024 04:15

Tgt Ion: 63 Resp: 422
Ion Ratio Lower Upper
63 100
98 0.0 3.3 9.8#
100 0.0 2.1 6.5#

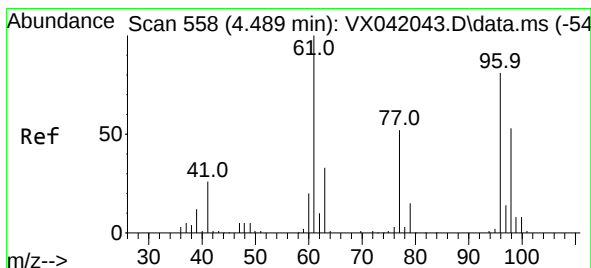
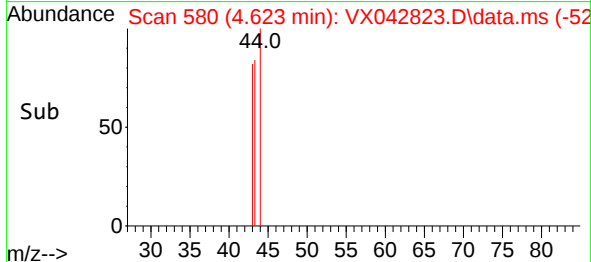
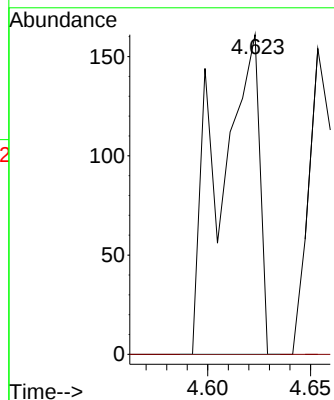
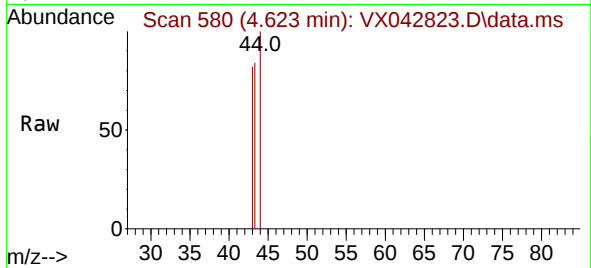




#25
2-Butanone
Concen: 0.513 ug/l
RT: 4.623 min Scan# 51
Delta R.T. 0.049 min
Lab File: VX042823.D
Acq: 02 Aug 2024 04:15

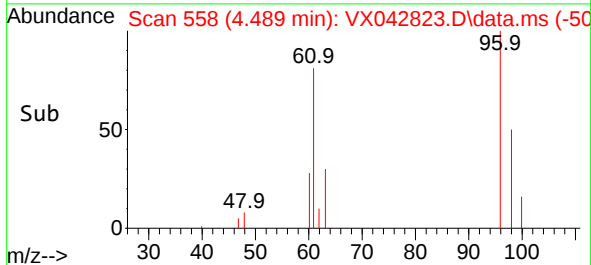
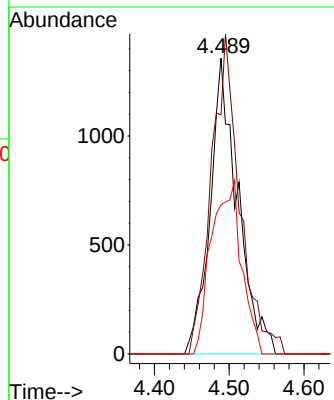
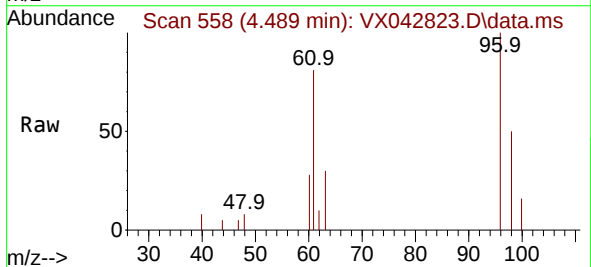
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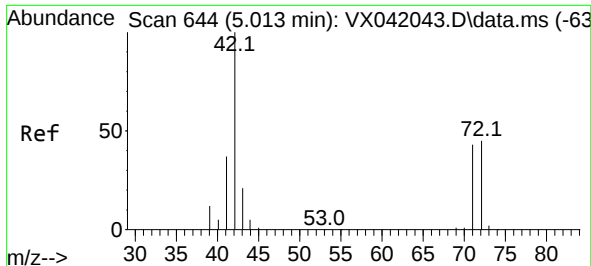
Tgt Ion: 43 Resp: 220
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#27
cis-1,2-Dichloroethene
Concen: 4.745 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.000 min
Lab File: VX042823.D
Acq: 02 Aug 2024 04:15

Tgt Ion: 96 Resp: 3484
Ion Ratio Lower Upper
96 100
61 111.1 0.0 312.2
98 63.7 0.0 129.0





#29

Tetrahydrofuran

Concen: 8.549 ug/l

RT: 5.025 min Scan# 644

Delta R.T. 0.006 min

Lab File: VX042823.D

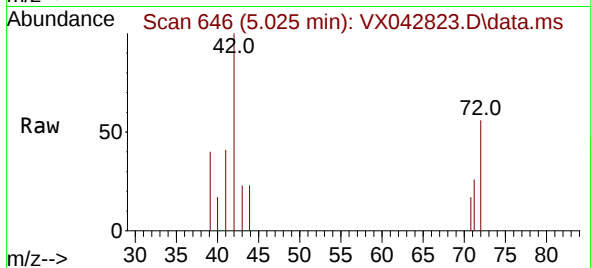
Acq: 02 Aug 2024 04:15

Instrument :

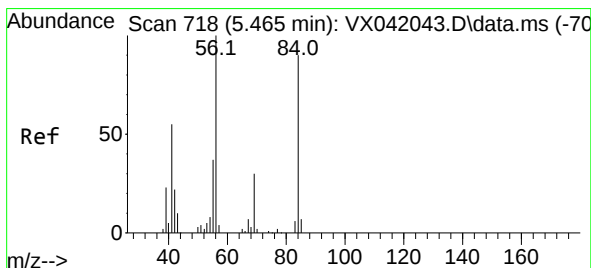
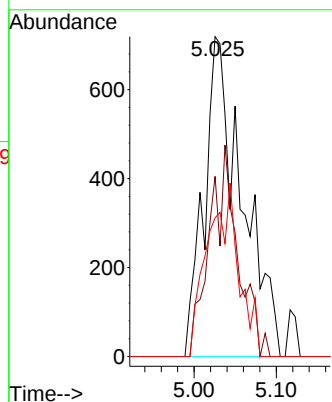
MSVOA_X

ClientSampleId :

927-K1-WPO-0-0.25-073124-FD



Tgt Ion:	42	Resp:	2283
Ion	Ratio	Lower	Upper
42	100		
72	21.9	34.2	51.4#
71	45.1	32.2	48.2



#31

Cyclohexane

Concen: 1.241 ug/l

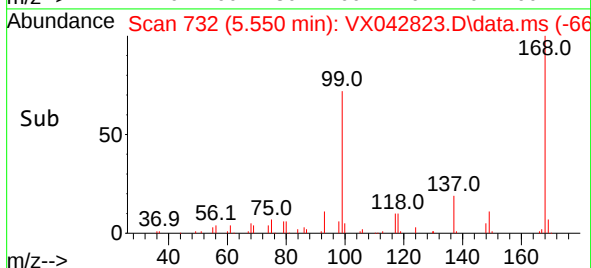
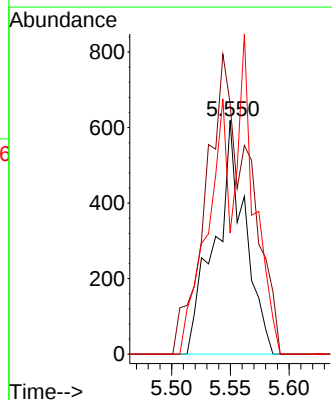
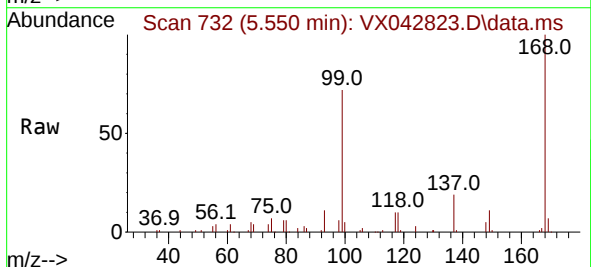
RT: 5.550 min Scan# 732

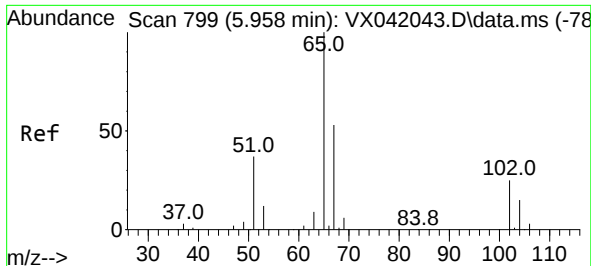
Delta R.T. 0.086 min

Lab File: VX042823.D

Acq: 02 Aug 2024 04:15

Tgt Ion:	56	Resp:	1099
Ion	Ratio	Lower	Upper
56	100		
69	107.1	23.4	35.2#
84	51.9	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 64.715 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX042823.D

Acq: 02 Aug 2024 04:15

Instrument :

MSVOA_X

ClientSampleId :

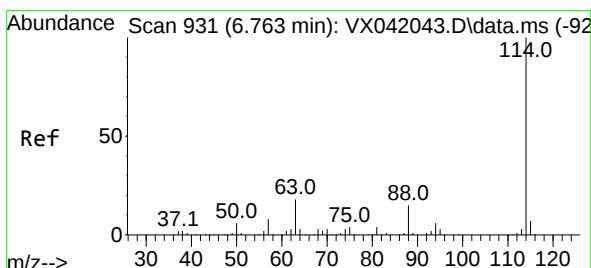
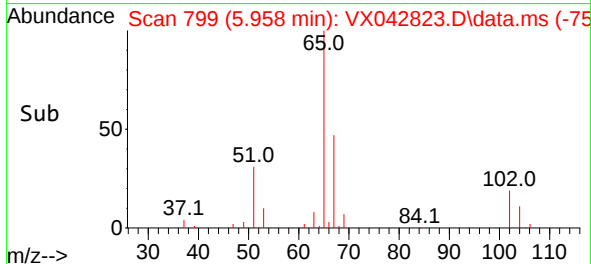
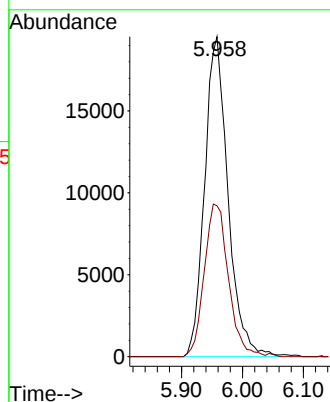
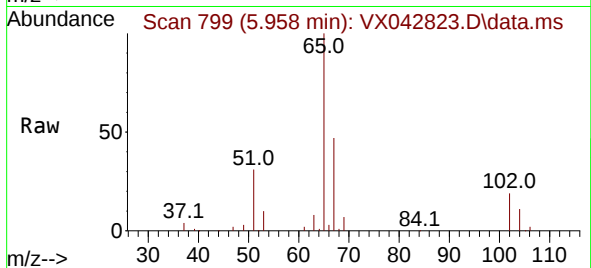
927-K1-WPO-0-0.25-073124-FD

Tgt Ion: 65 Resp: 52004

Ion Ratio Lower Upper

65 100

67 49.3 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX042823.D

Acq: 02 Aug 2024 04:15

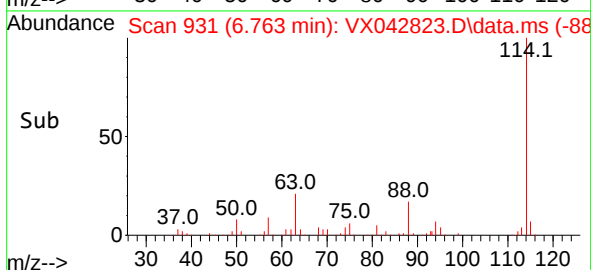
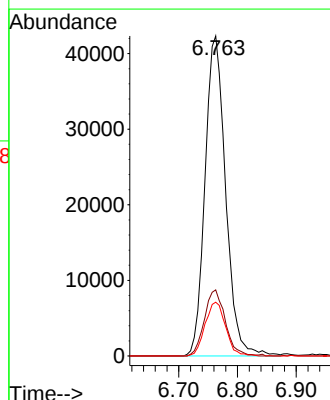
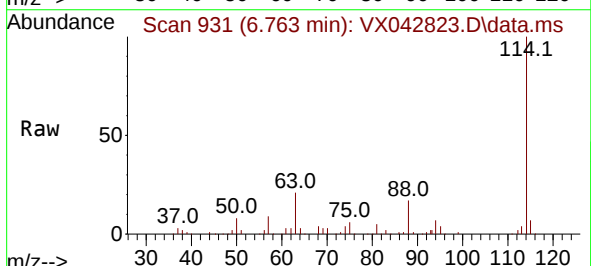
Tgt Ion: 114 Resp: 103357

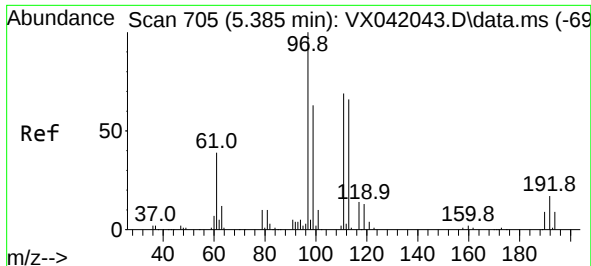
Ion Ratio Lower Upper

114 100

63 20.6 0.0 45.0

88 16.8 0.0 36.6

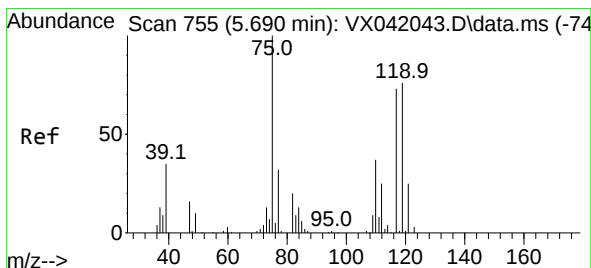
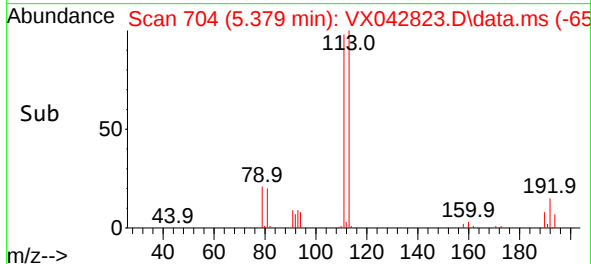
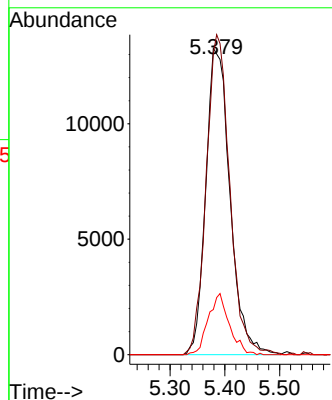
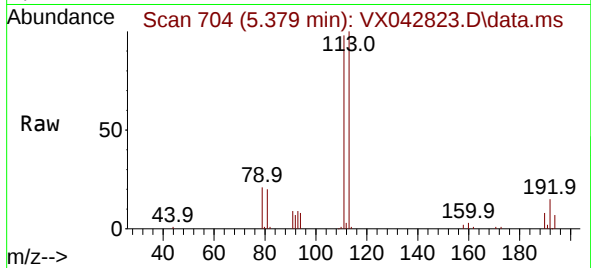




#35
Dibromofluoromethane
Concen: 56.940 ug/l
RT: 5.379 min Scan# 705
Delta R.T. -0.012 min
Lab File: VX042823.D
Acq: 02 Aug 2024 04:15

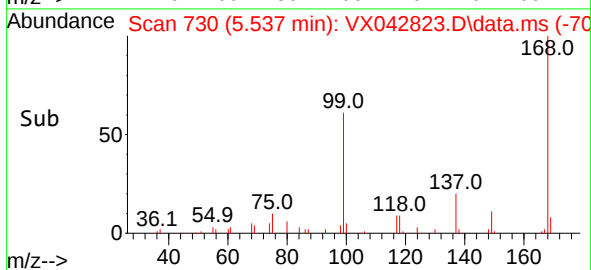
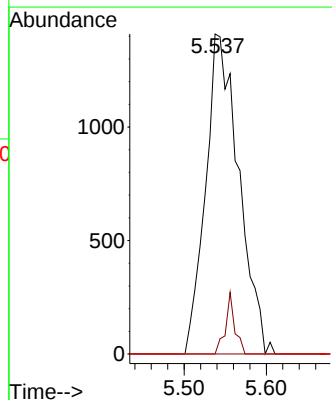
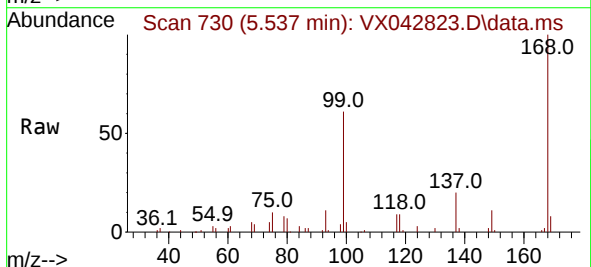
Instrument :
MSVOA_X
ClientSampleId :
927-K1-WPO-0-0.25-073124-FD

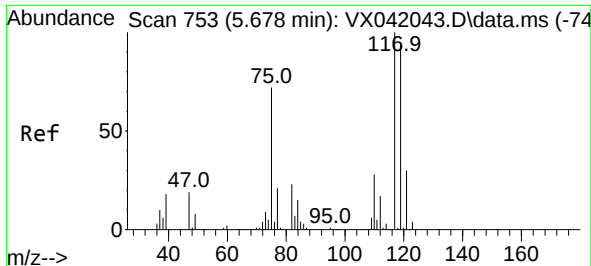
Tgt Ion:113 Resp: 40655
Ion Ratio Lower Upper
113 100
111 101.6 82.9 124.3
192 17.5 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.272 ug/l
RT: 5.537 min Scan# 730
Delta R.T. -0.153 min
Lab File: VX042823.D
Acq: 02 Aug 2024 04:15

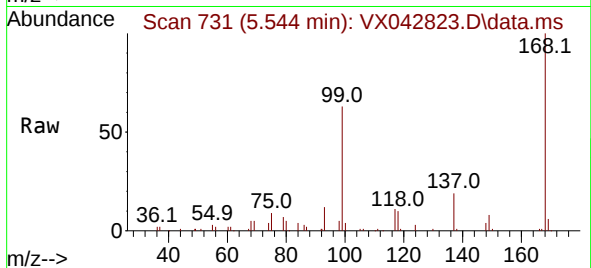
Tgt Ion: 75 Resp: 3956
Ion Ratio Lower Upper
75 100
110 5.4 17.0 50.9#
77 0.0 24.7 37.1#



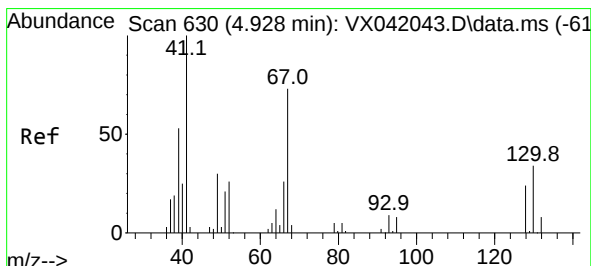
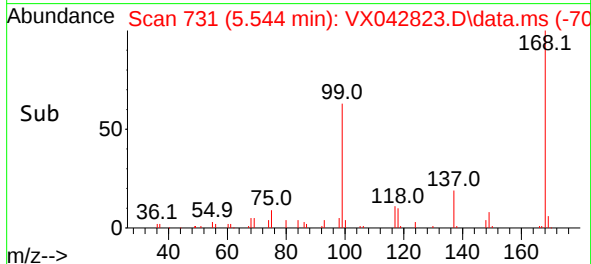
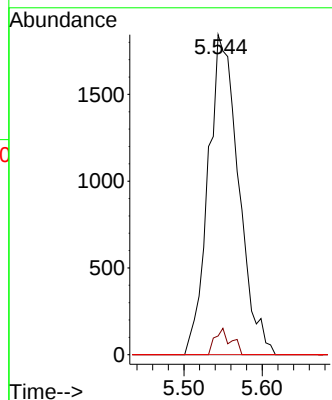


#38
Carbon Tetrachloride
Concen: 4.672 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX042823.D
Acq: 02 Aug 2024 04:15

Instrument :
MSVOA_X
ClientSampleId :
927-K1-WPO-0-0.25-073124-FD

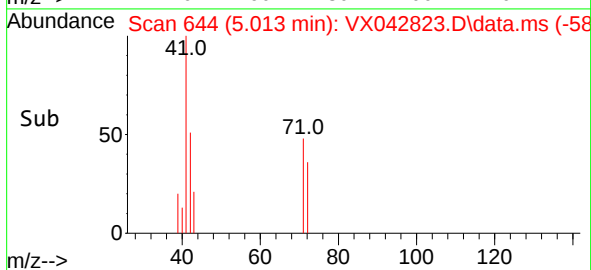
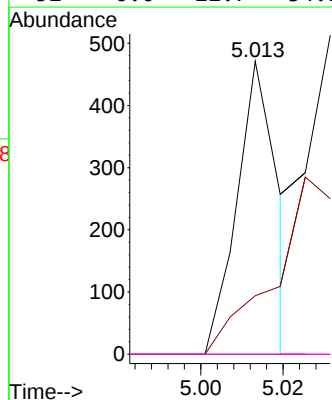
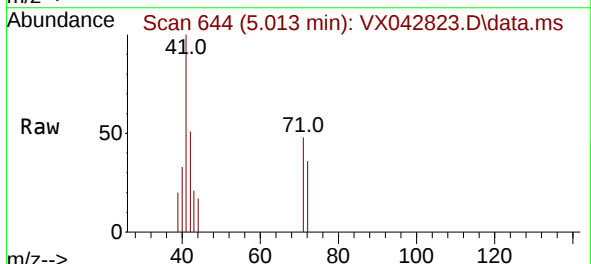


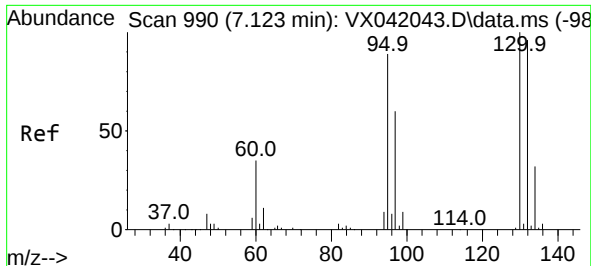
Tgt Ion: 117 Resp: 4986
Ion Ratio Lower Upper
117 100
119 5.9 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 0.652 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.085 min
Lab File: VX042823.D
Acq: 02 Aug 2024 04:15

Tgt Ion: 41 Resp: 326
Ion Ratio Lower Upper
41 100
39 0.0 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#

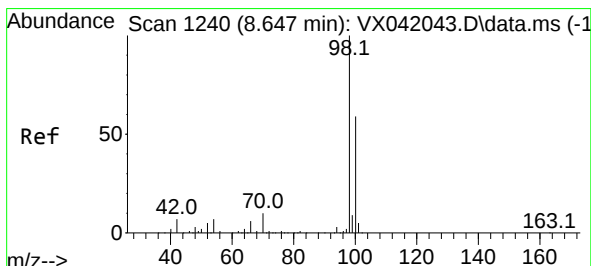
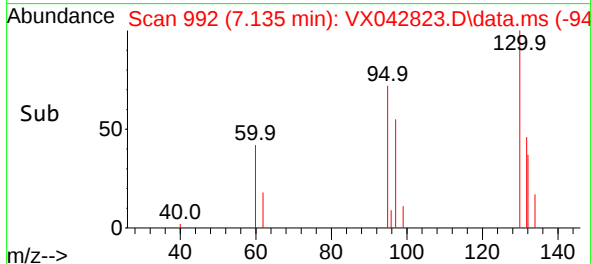
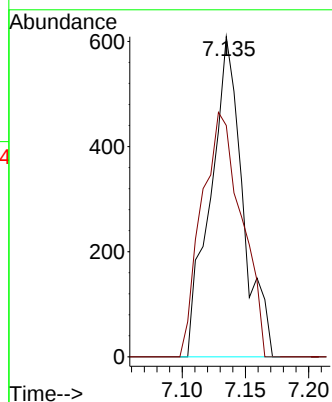
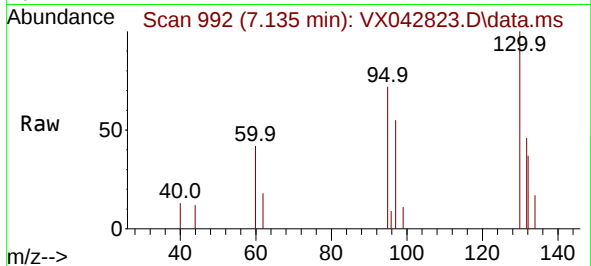




#44
Trichloroethene
Concen: 1.416 ug/l
RT: 7.135 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX042823.D
Acq: 02 Aug 2024 04:15

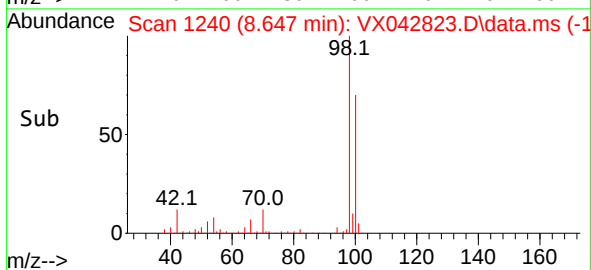
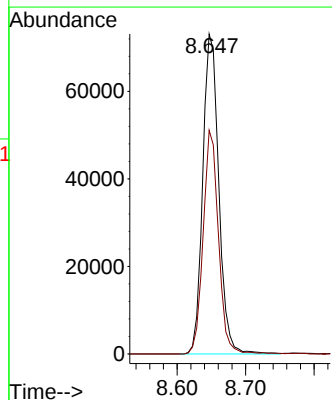
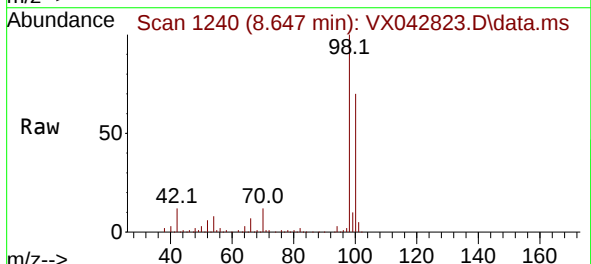
Instrument :
MSVOA_X
ClientSampleId :
927-K1-WPO-0-0.25-073124-FD

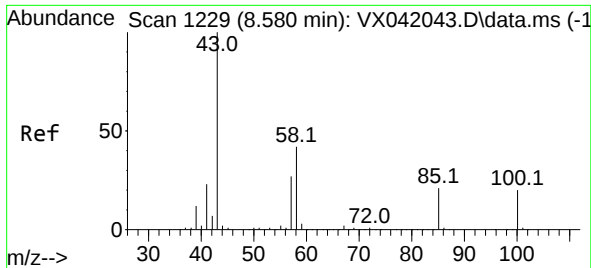
Tgt Ion:130 Resp: 1077
Ion Ratio Lower Upper
130 100
95 72.2 0.0 204.4



#50
Toluene-d8
Concen: 46.028 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX042823.D
Acq: 02 Aug 2024 04:15

Tgt Ion: 98 Resp: 119289
Ion Ratio Lower Upper
98 100
100 66.5 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 0.578 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.067 min

Lab File: VX042823.D

Acq: 02 Aug 2024 04:15

Instrument :

MSVOA_X

ClientSampleId :

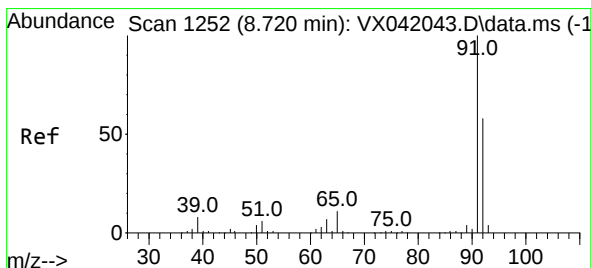
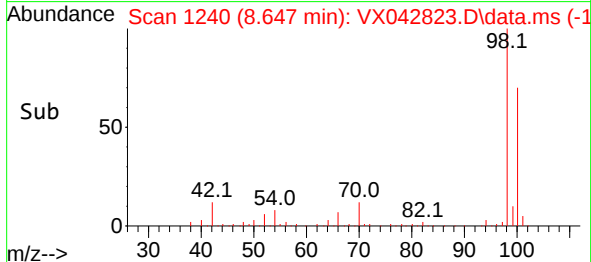
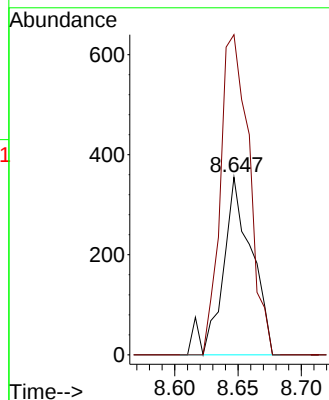
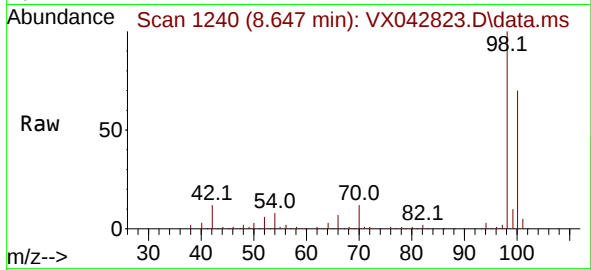
927-K1-WPO-0-0.25-073124-FD

Tgt Ion: 43 Resp: 566

Ion Ratio Lower Upper

43 100

58 179.0 30.4 45.6#



#52

Toluene

Concen: 1.759 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX042823.D

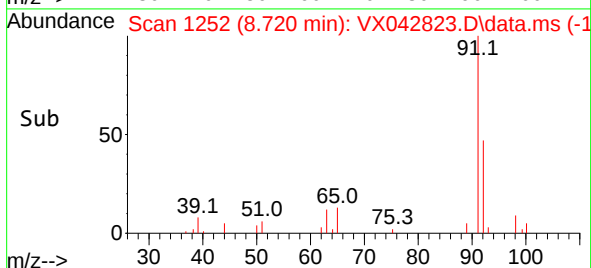
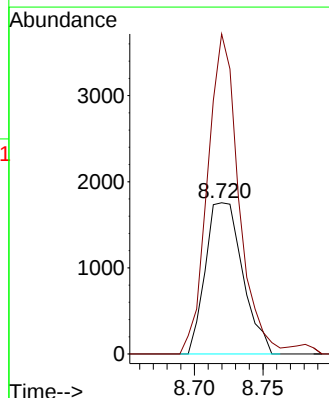
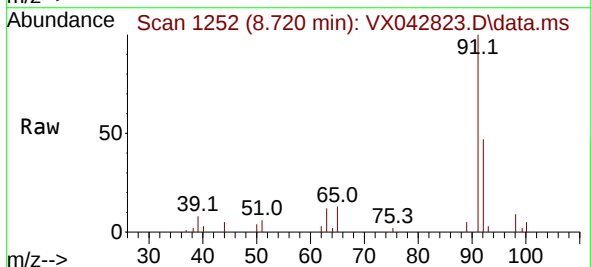
Acq: 02 Aug 2024 04:15

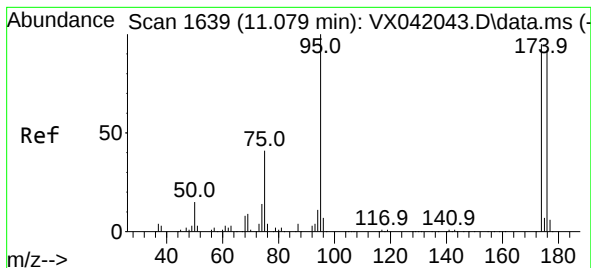
Tgt Ion: 92 Resp: 3316

Ion Ratio Lower Upper

92 100

91 178.2 134.2 201.2

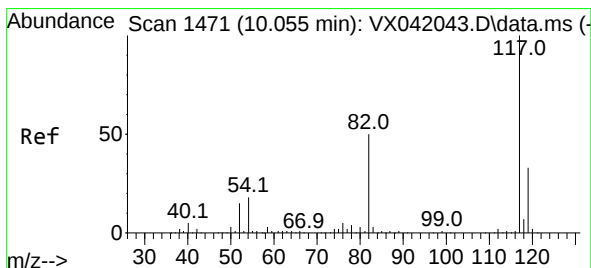
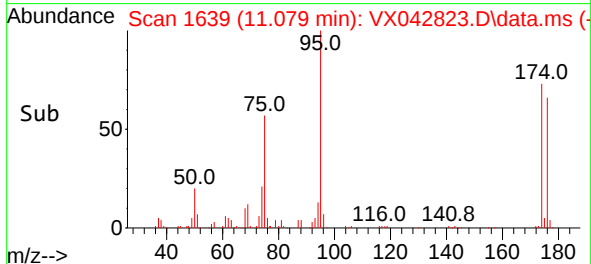
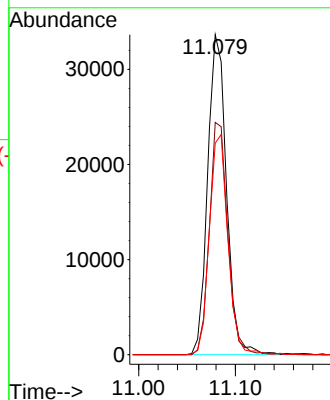
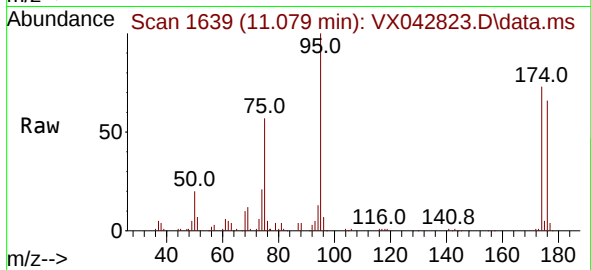




#62
4-Bromofluorobenzene
Concen: 48.021 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042823.D
Acq: 02 Aug 2024 04:15

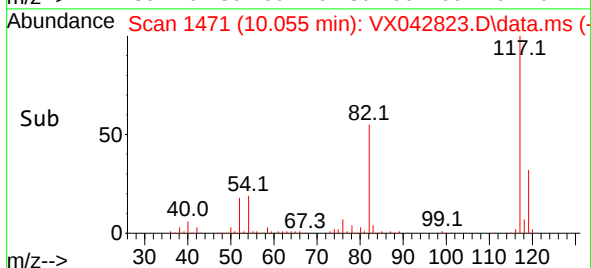
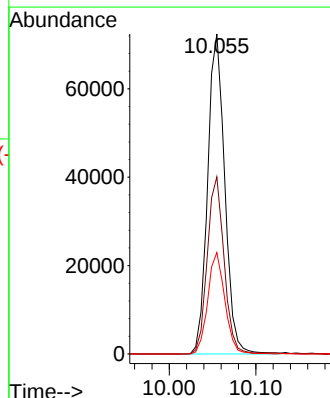
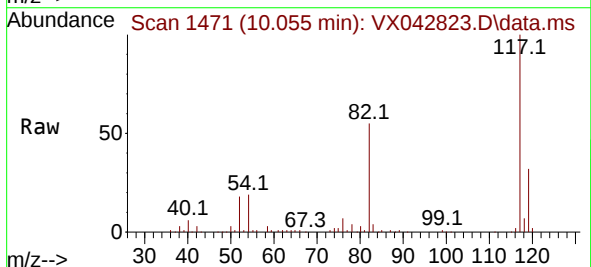
Instrument :
MSVOA_X
ClientSampleId :
927-K1-WPO-0-0.25-073124-FD

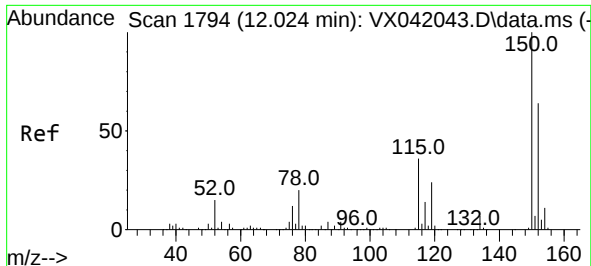
Tgt Ion: 95 Resp: 45481
Ion Ratio Lower Upper
95 100
174 71.6 0.0 135.6
176 67.7 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX042823.D
Acq: 02 Aug 2024 04:15

Tgt Ion: 117 Resp: 99363
Ion Ratio Lower Upper
117 100
82 55.3 46.2 69.4
119 31.7 25.5 38.3

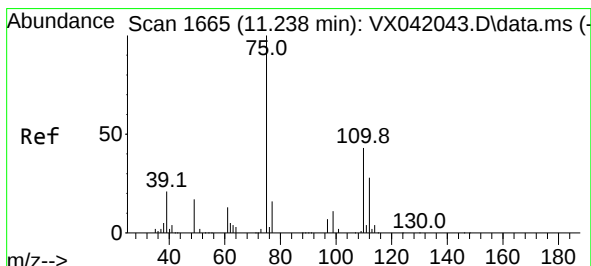
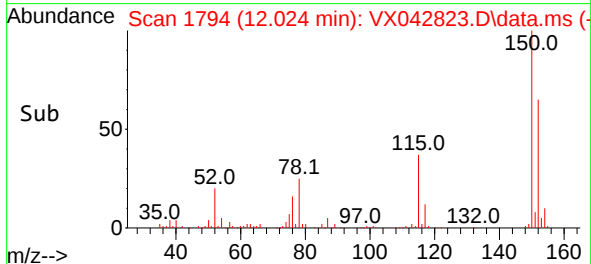
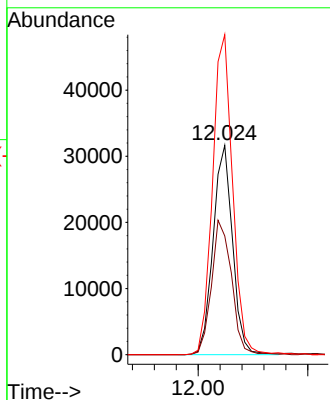
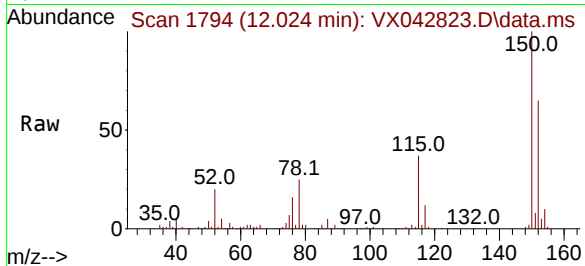




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX042823.D
Acq: 02 Aug 2024 04:15

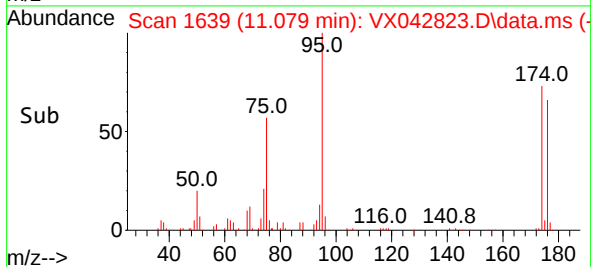
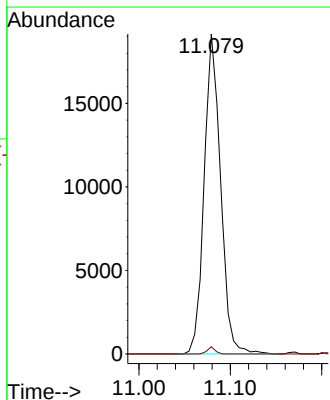
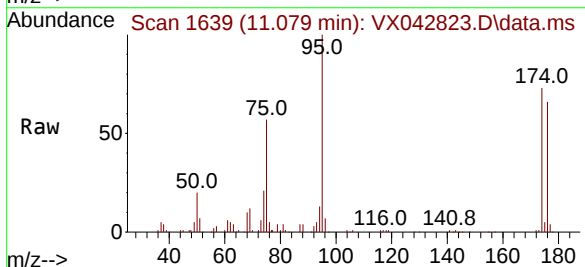
Instrument :
MSVOA_X
ClientSampleId :
927-K1-WPO-0-0.25-073124-FD

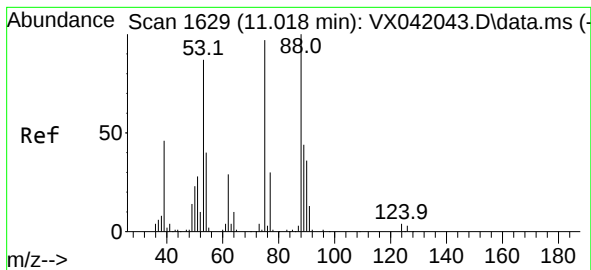
Tgt Ion:152 Resp: 39078
Ion Ratio Lower Upper
152 100
115 65.9 43.3 129.9
150 157.4 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 26.733 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX042823.D
Acq: 02 Aug 2024 04:15

Tgt Ion: 75 Resp: 23871
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.124 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX042823.D
 Acq: 02 Aug 2024 04:15

Instrument :
 MSVOA_X
 ClientSampleId :
 927-K1-WPO-0-0.25-073124-FD

Tgt Ion: 75 Resp: 23871
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

