

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080724\
 Data File : VX042919.D
 Acq On : 07 Aug 2024 16:35
 Operator : JC/MD
 Sample : P3374-06
 Misc : 9.07g/10.0mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S-861-K2-SO-13.5-14-072024ME

Quant Time: Aug 08 02:04:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X080724W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 07 02:55:22 2024
 Response via : Initial Calibration

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

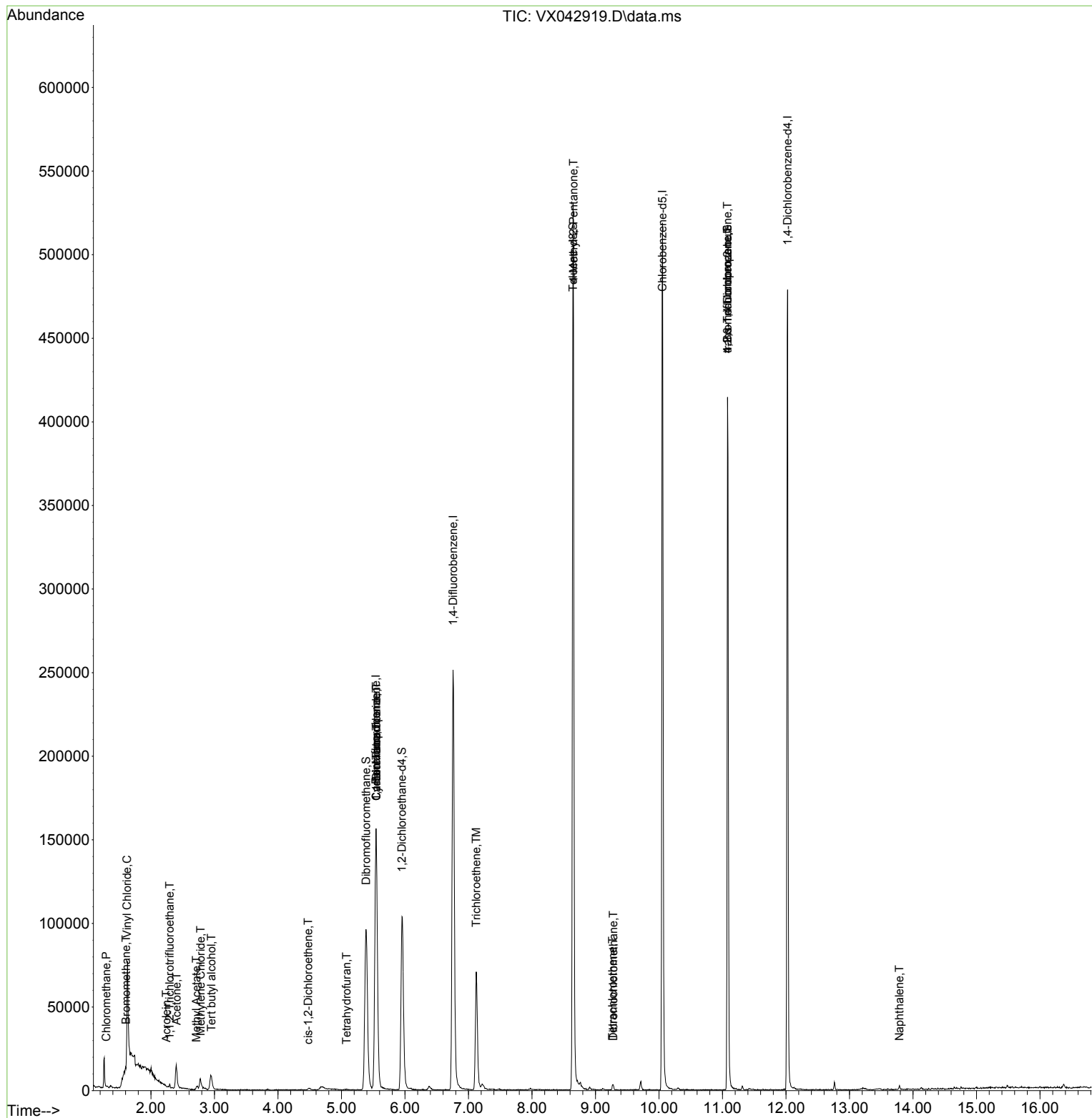
Internal Standards						
1) Pentafluorobenzene	5.544	168	148459	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	274484	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	256906	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	103728	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	108894	53.431	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.860%	
35) Dibromofluoromethane	5.385	113	89775	50.022	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.040%	
50) Toluene-d8	8.647	98	327042	51.331	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.660%	
62) 4-Bromofluorobenzene	11.079	95	116189	50.749	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.500%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	383	0.220	ug/l #	43
4) Vinyl Chloride	1.624	62	585	0.354	ug/l #	85
5) Bromomethane	1.605	94	598	0.597	ug/l #	79
9) 1,1,2-Trichlorotrifluo...	2.294	101	474	0.293	ug/l #	83
11) Tert butyl alcohol	2.953	59	5740	14.160	ug/l #	78
13) Acrolein	2.240	56	123	0.308	ug/l #	14
16) Acetone	2.404	43	439	0.497	ug/l #	47
18) Methyl Acetate	2.715	43	3084	1.100	ug/l	96
20) Methylene Chloride	2.782	84	3568	1.044	ug/l #	76
27) cis-1,2-Dichloroethene	4.477	96	692	0.354	ug/l #	70
29) Tetrahydrofuran	5.080	42	258	0.275	ug/l #	34
31) Cyclohexane	5.550	56	3054	1.198	ug/l #	39
36) 1,1-Dichloropropene	5.550	75	11317	4.651	ug/l #	51
38) Carbon Tetrachloride	5.550	117	15341	5.585	ug/l #	13
44) Trichloroethene	7.123	130	28244	14.884	ug/l	99
51) 4-Methyl-2-Pentanone	8.653	43	1501	0.498	ug/l #	1
60) Dibromochloromethane	9.281	129	591	0.289	ug/l #	11
64) Tetrachloroethene	9.269	164	621	0.348	ug/l #	83
76) 1,2,3-Trichloropropane	11.079	75	58621	25.129	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	58621	81.707	ug/l #	5
95) Naphthalene	13.786	128	2333	0.320	ug/l #	81

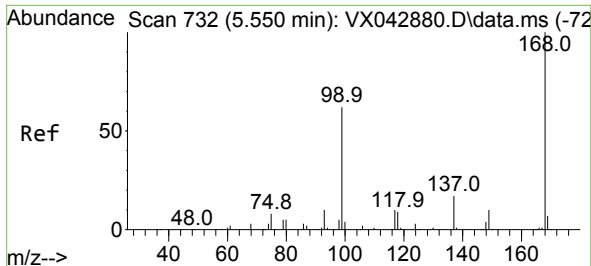
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 07 02:55:22 2024
Response via : Initial Calibration

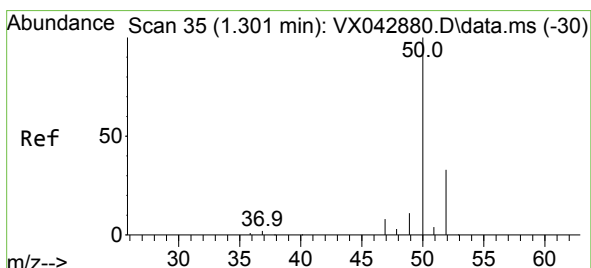
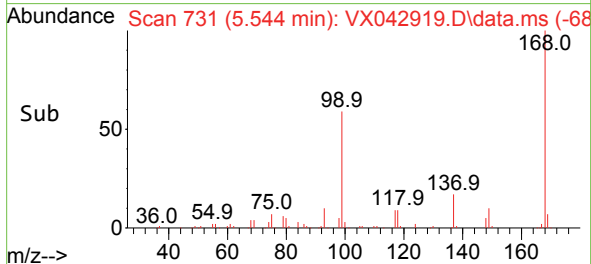
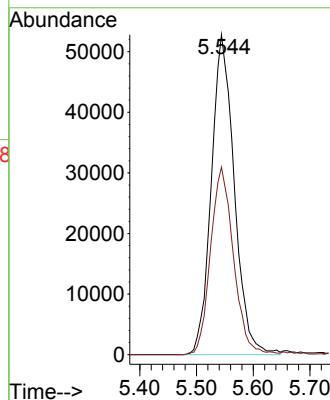
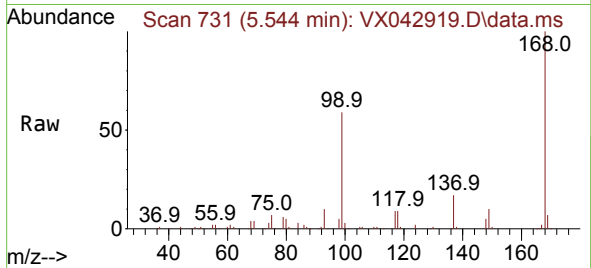




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX042919.D
Acq: 07 Aug 2024 16:35

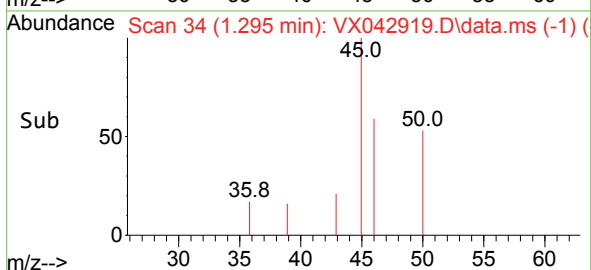
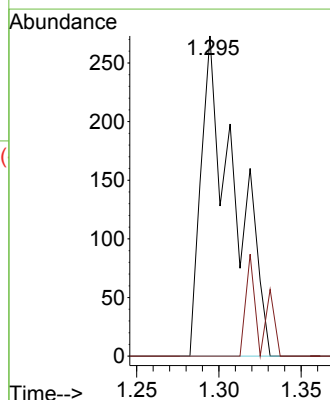
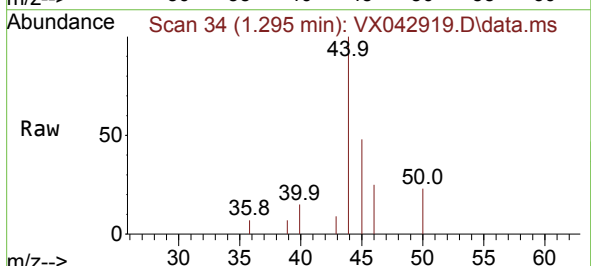
Instrument :
MSVOA_X
ClientSampleId :
S-861-K2-SO-13.5-14-072024ME

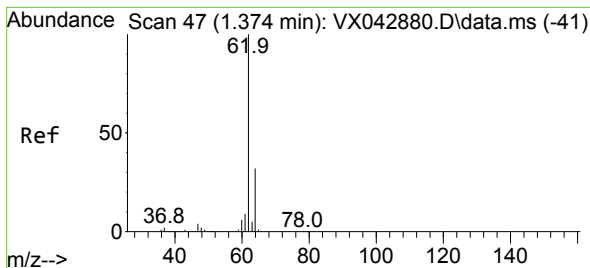
Tgt Ion:168 Resp: 148459
Ion Ratio Lower Upper
168 100
99 58.6 56.6 85.0



#3
Chloromethane
Concen: 0.220 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX042919.D
Acq: 07 Aug 2024 16:35

Tgt Ion: 50 Resp: 383
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#





#4

Vinyl Chloride

Concen: 0.354 ug/l

RT: 1.624 min Scan# 81

Delta R.T. 0.250 min

Lab File: VX042919.D

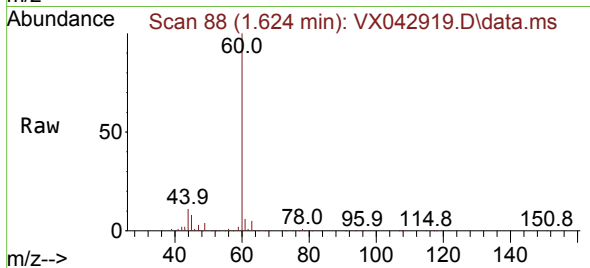
Acq: 07 Aug 2024 16:35

Instrument :

MSVOA_X

ClientSampleId :

S-861-K2-SO-13.5-14-072024ME

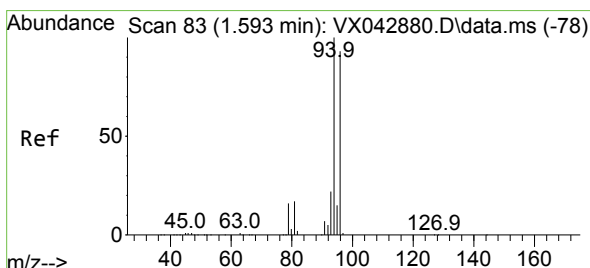
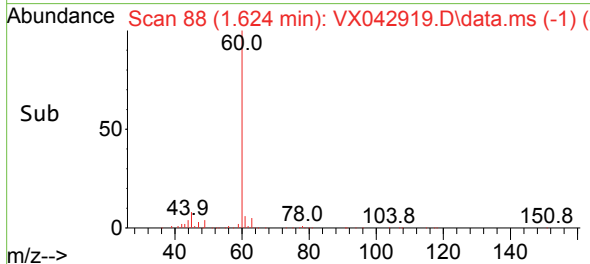
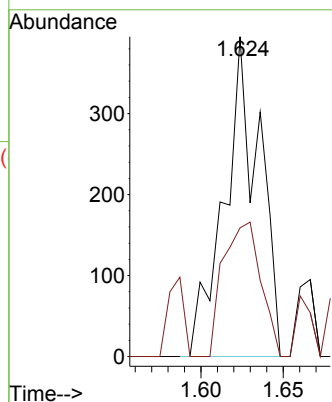


Tgt Ion: 62 Resp: 585

Ion Ratio Lower Upper

62 100

64 40.3 25.4 38.0#



#5

Bromomethane

Concen: 0.597 ug/l

RT: 1.605 min Scan# 85

Delta R.T. 0.012 min

Lab File: VX042919.D

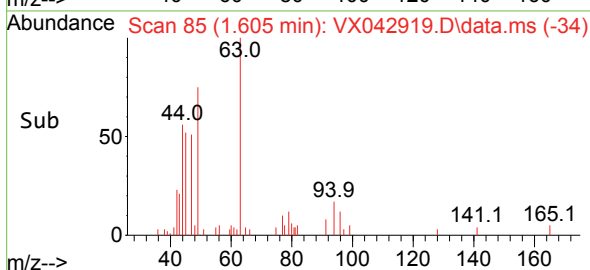
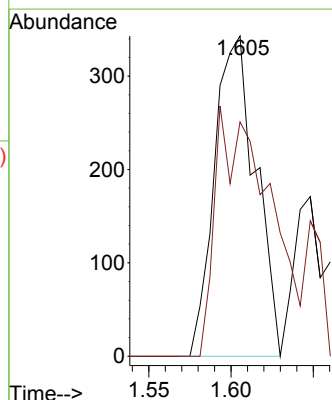
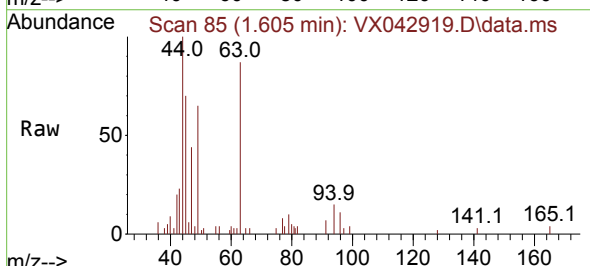
Acq: 07 Aug 2024 16:35

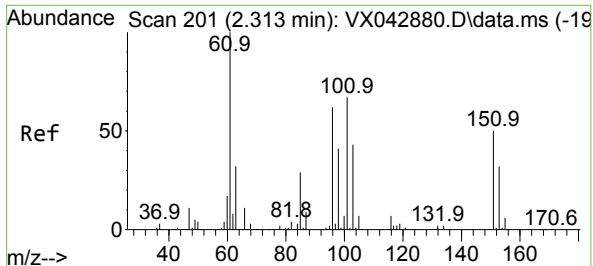
Tgt Ion: 94 Resp: 598

Ion Ratio Lower Upper

94 100

96 73.2 74.6 111.8#

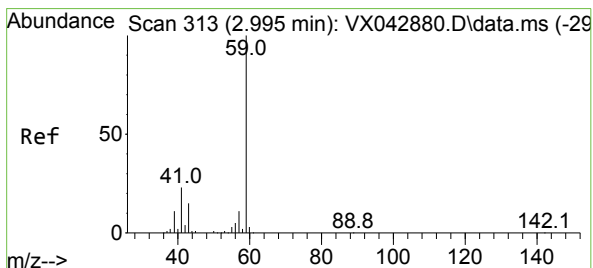
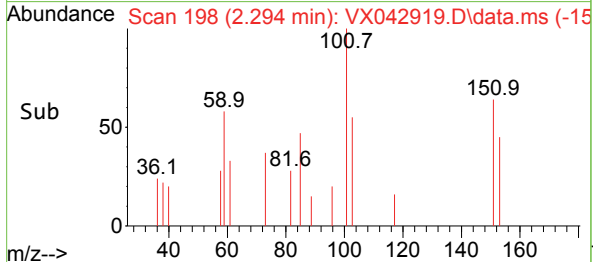
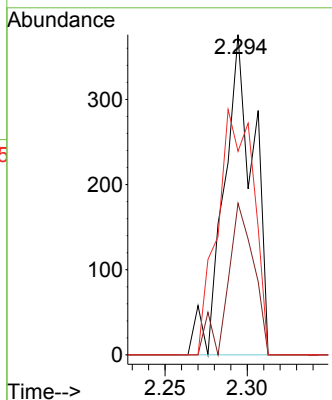
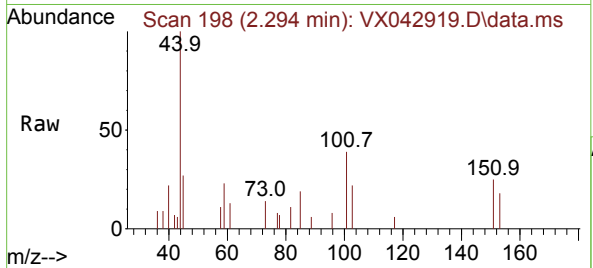




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.293 ug/l
RT: 2.294 min Scan# 198
Delta R.T. -0.018 min
Lab File: VX042919.D
Acq: 07 Aug 2024 16:35

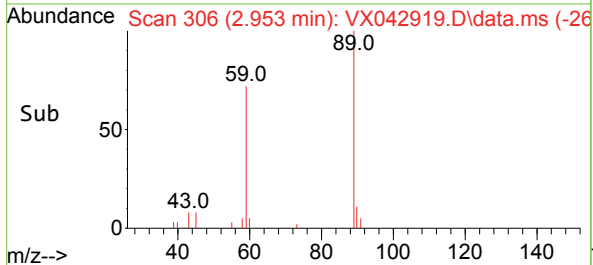
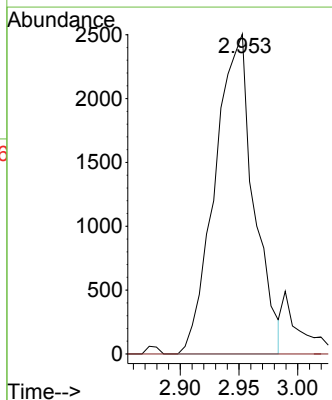
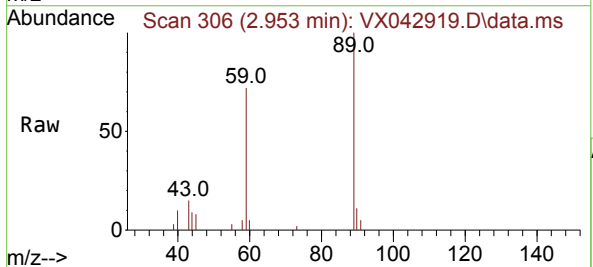
Instrument :
MSVOA_X
ClientSampleId :
S-861-K2-SO-13.5-14-072024ME

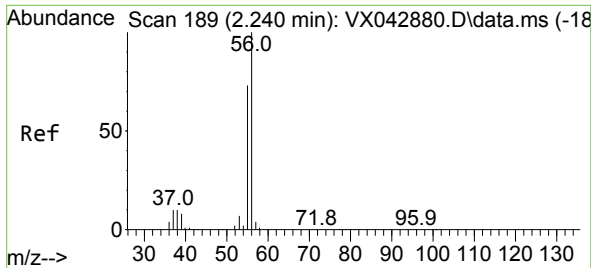
Tgt Ion:101 Resp: 474
Ion Ratio Lower Upper
101 100
85 41.4 37.0 55.6
151 92.6 58.6 87.8#



#11
Tert butyl alcohol
Concen: 14.160 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.043 min
Lab File: VX042919.D
Acq: 07 Aug 2024 16:35

Tgt Ion: 59 Resp: 5740
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#13

Acrolein

Concen: 0.308 ug/l

RT: 2.240 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX042919.D

Acq: 07 Aug 2024 16:35

Instrument :

MSVOA_X

ClientSampleId :

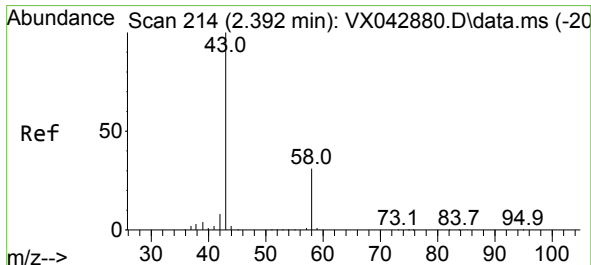
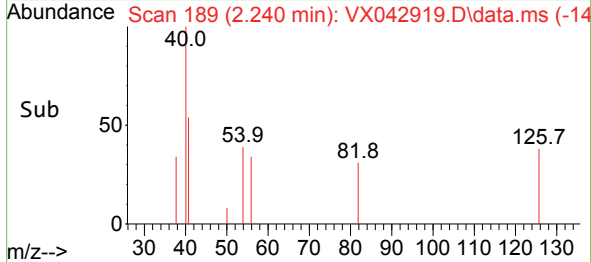
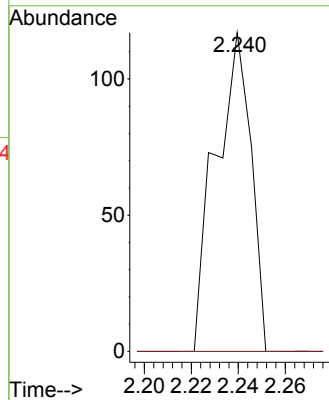
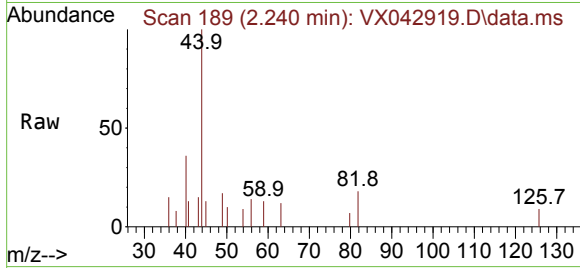
S-861-K2-SO-13.5-14-072024ME

Tgt Ion: 56 Resp: 123

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#



#16

Acetone

Concen: 0.497 ug/l

RT: 2.404 min Scan# 216

Delta R.T. 0.012 min

Lab File: VX042919.D

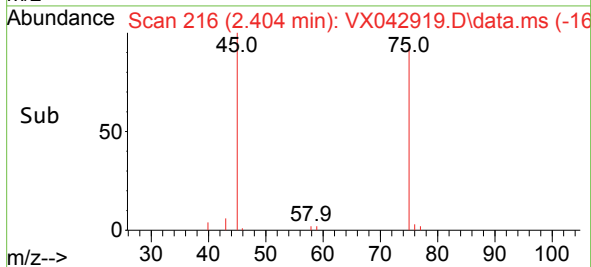
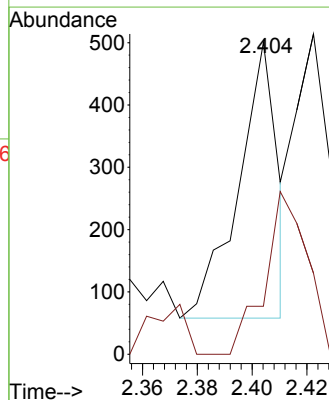
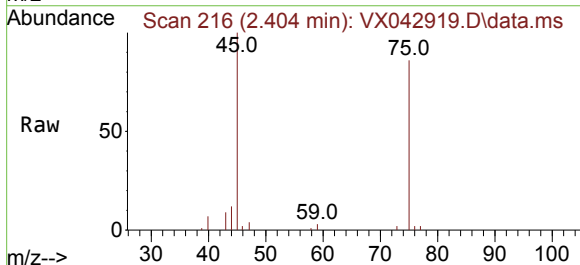
Acq: 07 Aug 2024 16:35

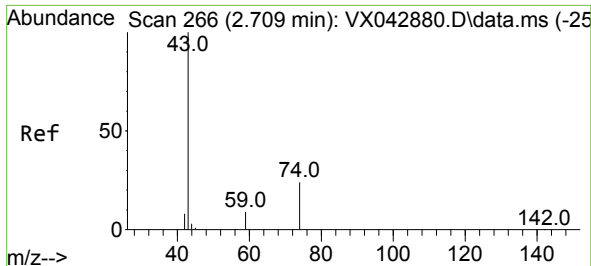
Tgt Ion: 43 Resp: 439

Ion Ratio Lower Upper

43 100

58 0.0 21.9 32.9#





#18

Methyl Acetate

Concen: 1.100 ug/l

RT: 2.715 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX042919.D

Acq: 07 Aug 2024 16:35

Instrument :

MSVOA_X

ClientSampleId :

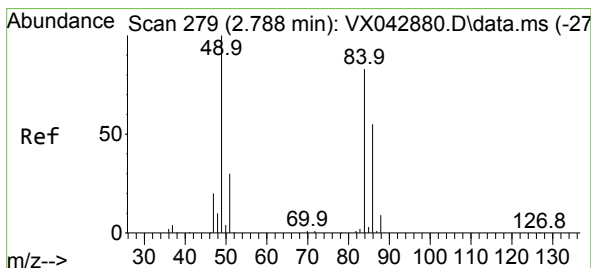
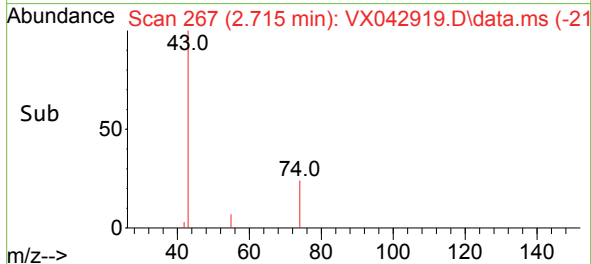
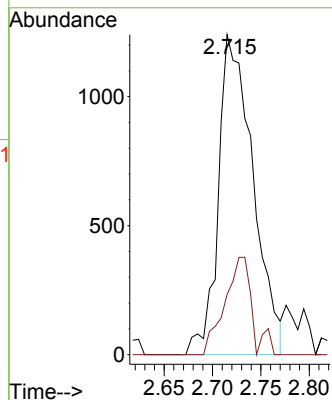
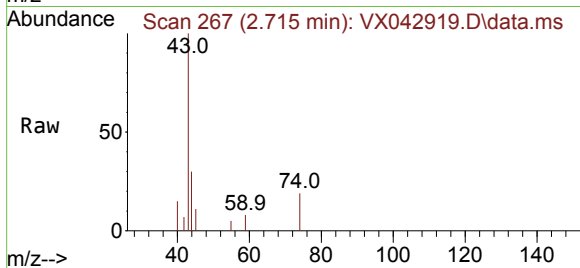
S-861-K2-SO-13.5-14-072024ME

Tgt Ion: 43 Resp: 3084

Ion Ratio Lower Upper

43 100

74 24.1 17.8 26.8



#20

Methylene Chloride

Concen: 1.044 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.006 min

Lab File: VX042919.D

Acq: 07 Aug 2024 16:35

Tgt Ion: 84 Resp: 3568

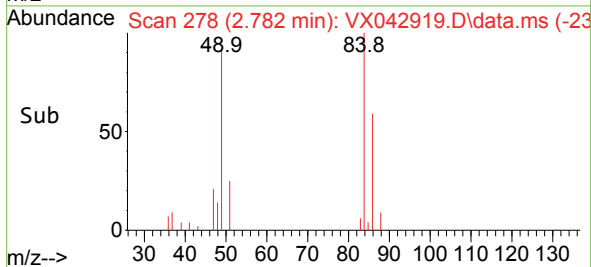
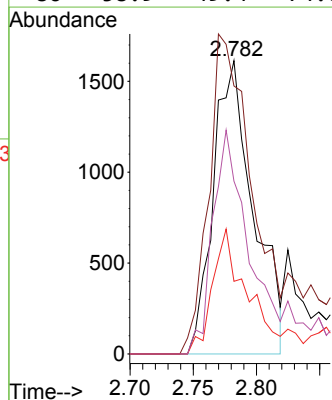
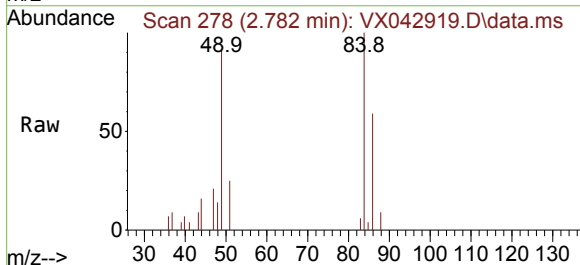
Ion Ratio Lower Upper

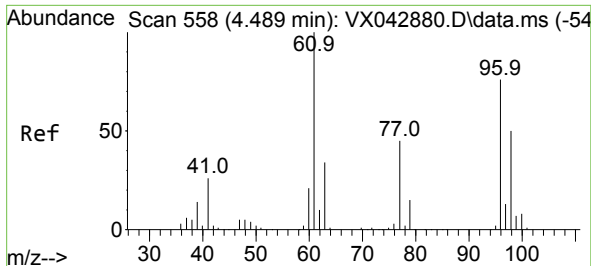
84 100

49 91.4 103.6 155.4#

51 24.8 33.8 50.6#

86 58.9 49.4 74.0





#27

cis-1,2-Dichloroethene

Concen: 0.354 ug/l

RT: 4.477 min Scan# 51

Delta R.T. -0.012 min

Lab File: VX042919.D

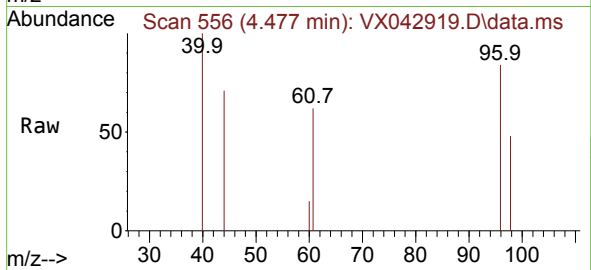
Acq: 07 Aug 2024 16:35

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S-861-K2-SO-13.5-14-072024ME



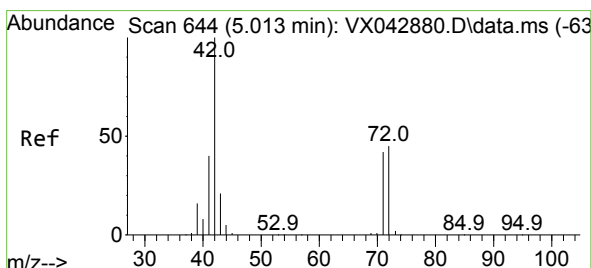
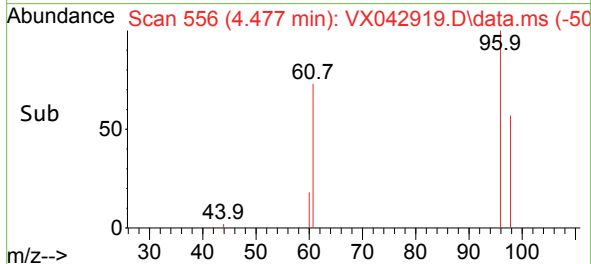
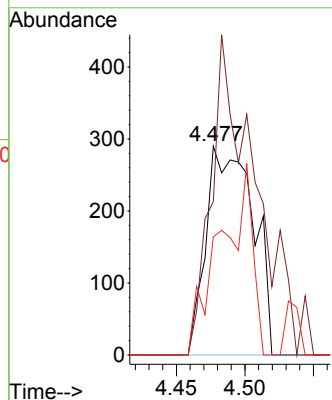
Tgt Ion: 96 Resp: 692

Ion Ratio Lower Upper

96 100

61 145.2 0.0 312.2

98 0.0 0.0 129.0



#29

Tetrahydrofuran

Concen: 0.275 ug/l

RT: 5.080 min Scan# 655

Delta R.T. 0.067 min

Lab File: VX042919.D

Acq: 07 Aug 2024 16:35

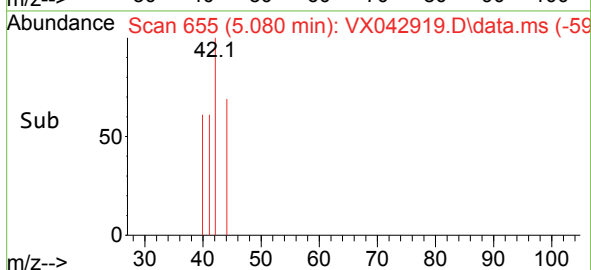
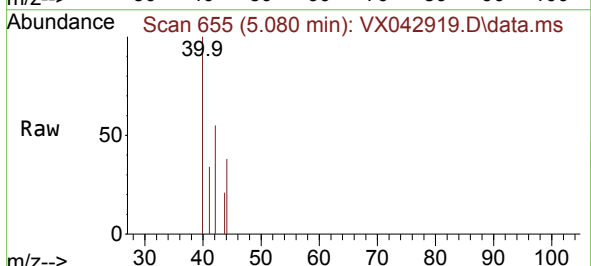
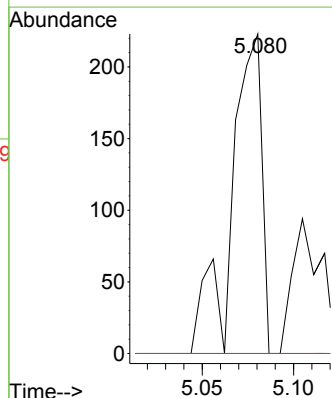
Tgt Ion: 42 Resp: 258

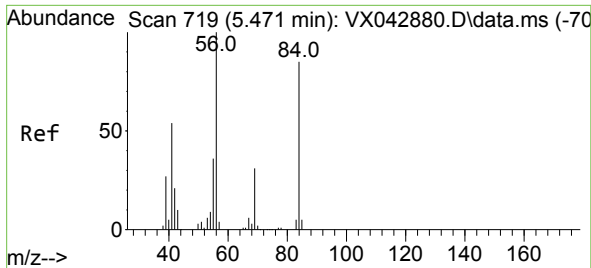
Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

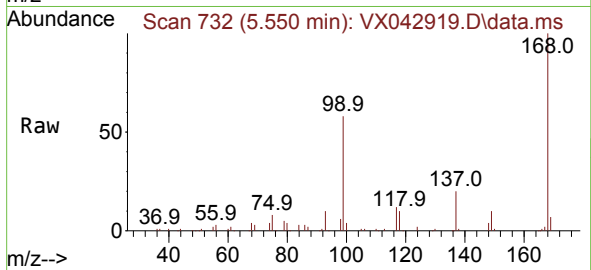
71 0.0 32.2 48.2#



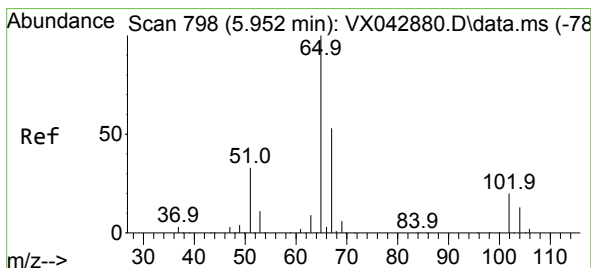
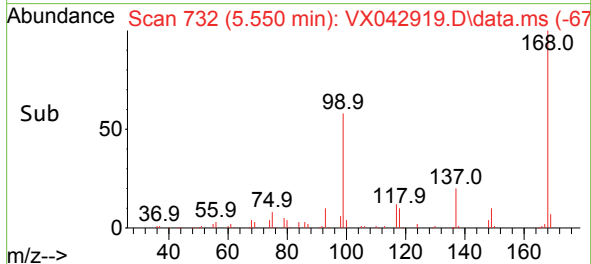
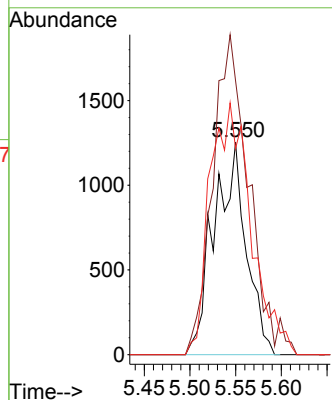


#31
Cyclohexane
Concen: 1.198 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX042919.D
Acq: 07 Aug 2024 16:35

Instrument :
MSVOA_X
ClientSampleId :
S-861-K2-SO-13.5-14-072024ME

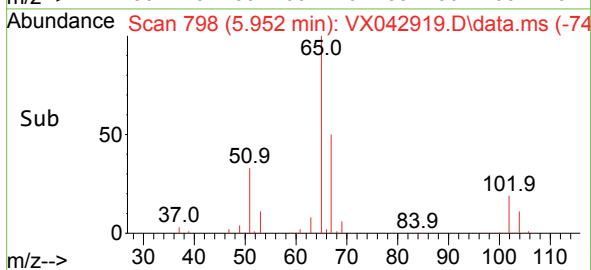
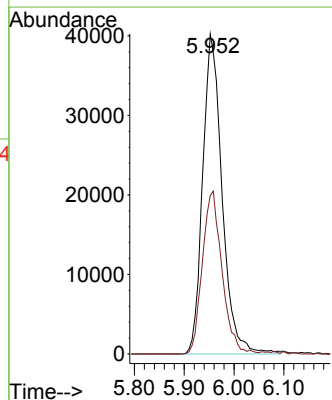
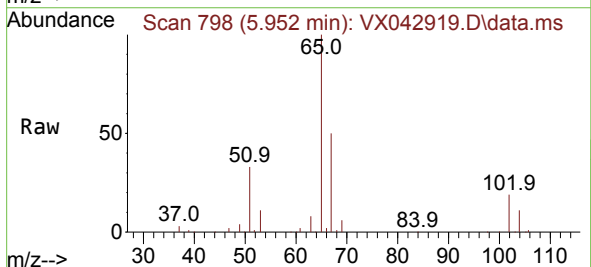


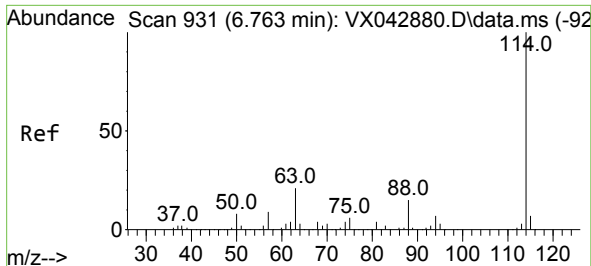
Tgt Ion: 56 Resp: 3054
Ion Ratio Lower Upper
56 100
69 128.8 23.4 35.2#
84 96.9 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 53.431 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX042919.D
Acq: 07 Aug 2024 16:35

Tgt Ion: 65 Resp: 108894
Ion Ratio Lower Upper
65 100
67 51.5 0.0 100.2

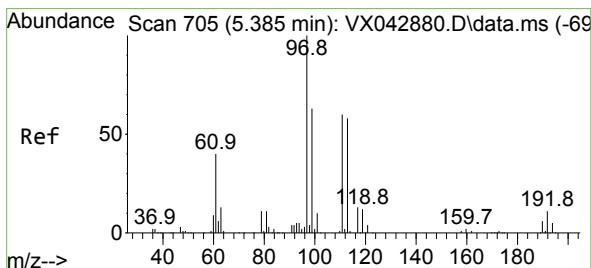
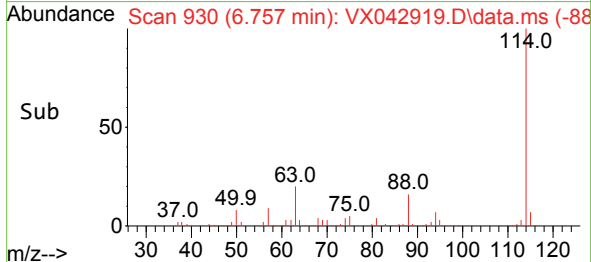
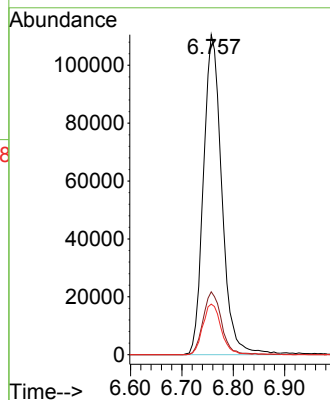
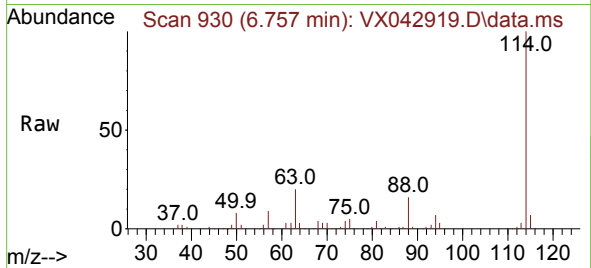




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 911
Delta R.T. -0.006 min
Lab File: VX042919.D
Acq: 07 Aug 2024 16:35

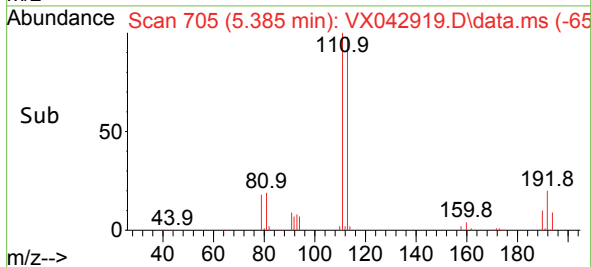
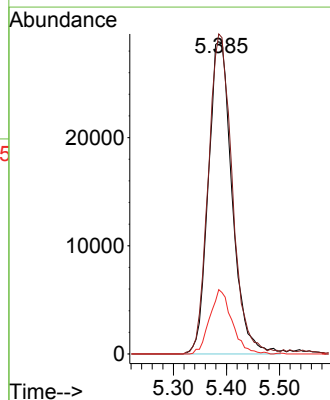
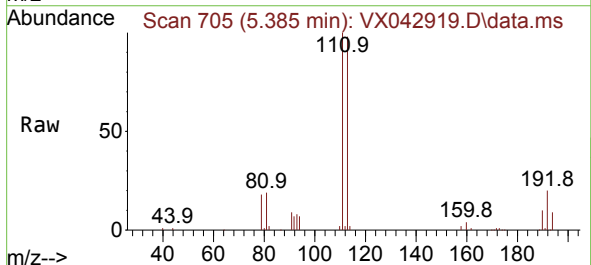
Instrument :
MSVOA_X
ClientSampleId :
S-861-K2-SO-13.5-14-072024ME

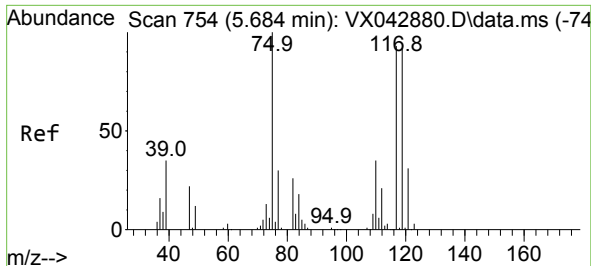
Tgt Ion:114 Resp: 274484
Ion Ratio Lower Upper
114 100
63 19.6 0.0 45.0
88 15.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 50.022 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX042919.D
Acq: 07 Aug 2024 16:35

Tgt Ion:113 Resp: 89775
Ion Ratio Lower Upper
113 100
111 103.4 82.9 124.3
192 19.3 13.3 19.9

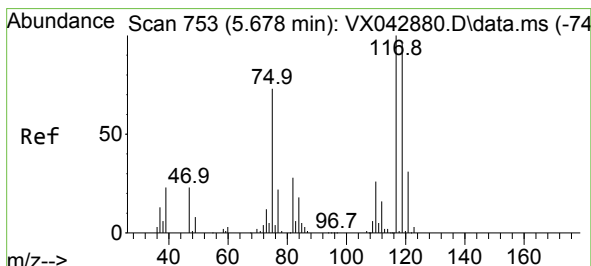
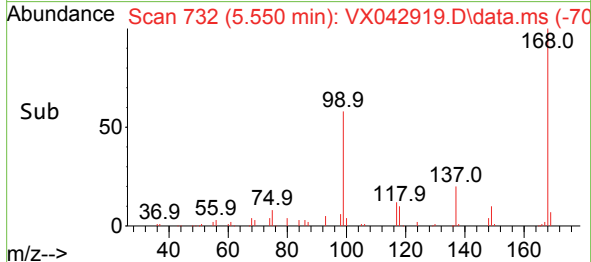
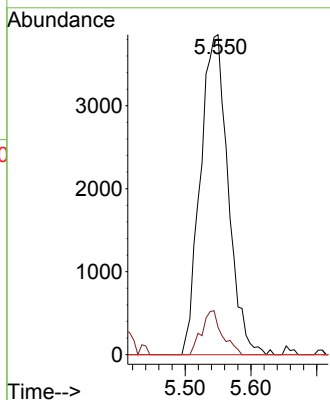
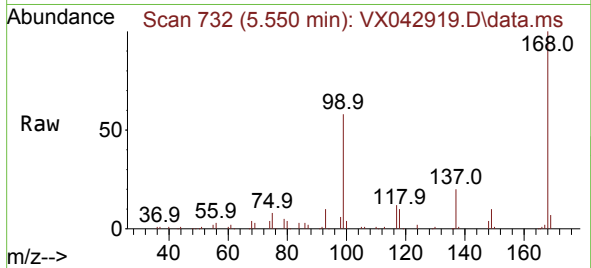




#36
1,1-Dichloropropene
Concen: 4.651 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX042919.D
Acq: 07 Aug 2024 16:35

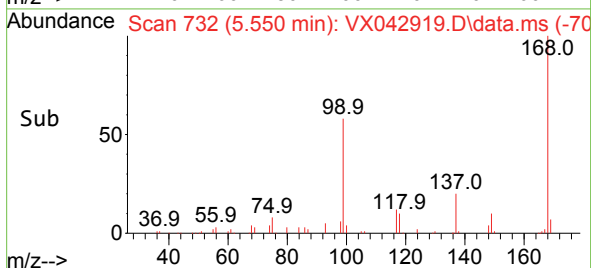
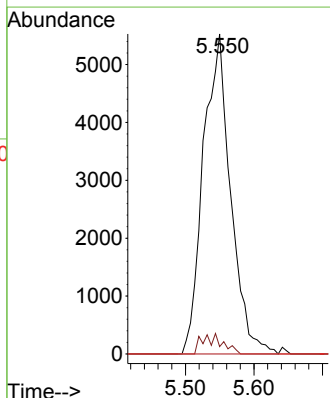
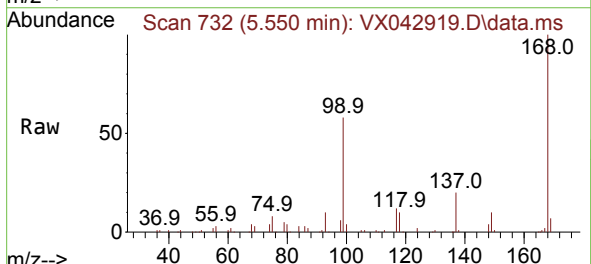
Instrument :
MSVOA_X
ClientSampleId :
S-861-K2-SO-13.5-14-072024ME

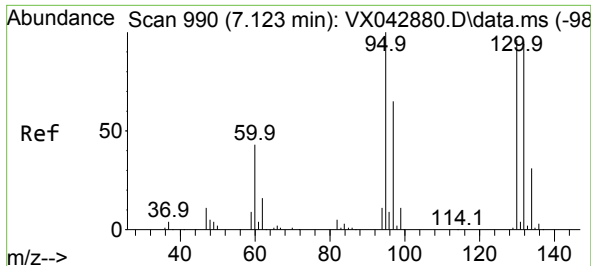
Tgt Ion: 75 Resp: 11317
Ion Ratio Lower Upper
75 100
110 10.2 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.585 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX042919.D
Acq: 07 Aug 2024 16:35

Tgt Ion: 117 Resp: 15341
Ion Ratio Lower Upper
117 100
119 2.3 78.2 117.2#
121 0.0 24.4 36.6#

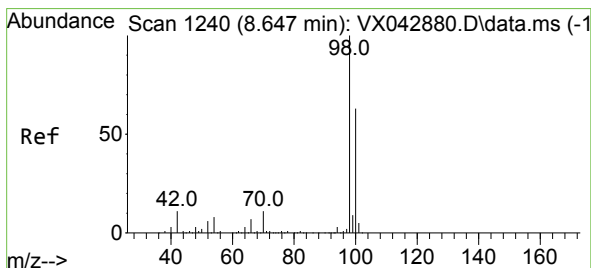
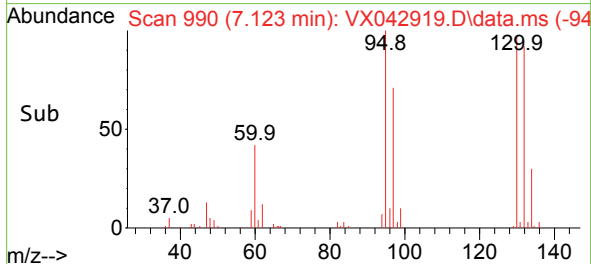
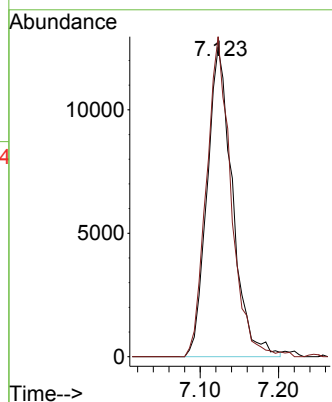
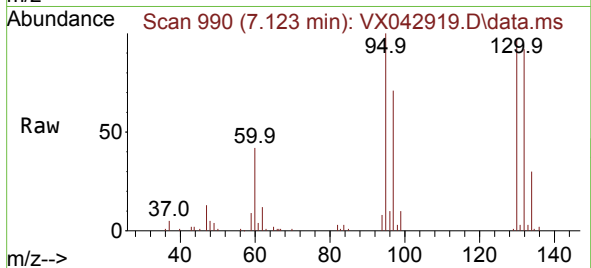




#44
 Trichloroethene
 Concen: 14.884 ug/l
 RT: 7.123 min Scan# 990
 Delta R.T. 0.000 min
 Lab File: VX042919.D
 Acq: 07 Aug 2024 16:35

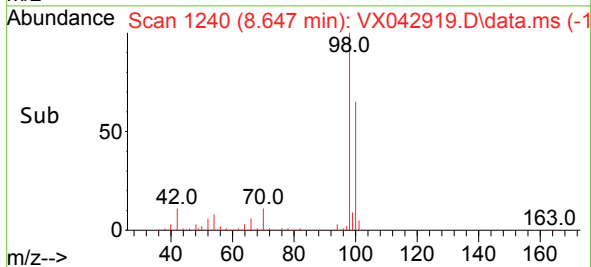
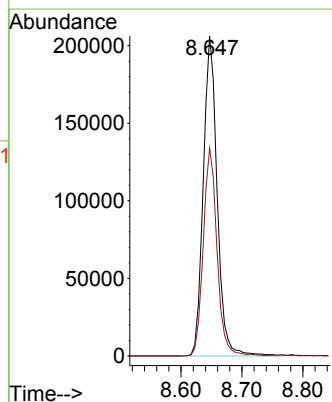
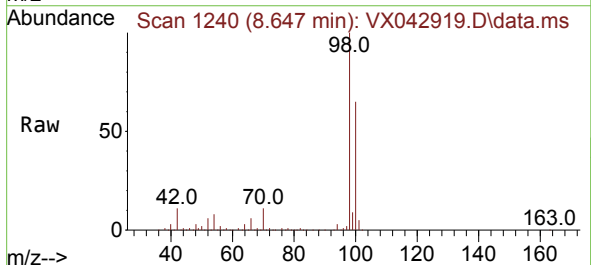
Instrument :
 MSVOA_X
 ClientSampleId :
 S-861-K2-SO-13.5-14-072024ME

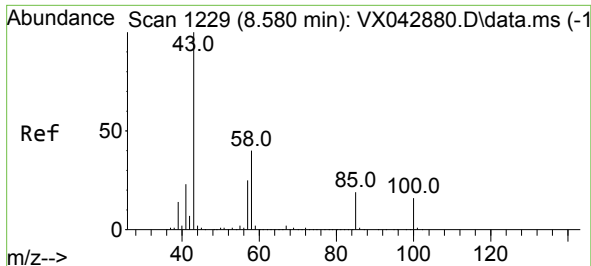
Tgt Ion:130 Resp: 28244
 Ion Ratio Lower Upper
 130 100
 95 103.4 0.0 204.4



#50
 Toluene-d8
 Concen: 51.331 ug/l
 RT: 8.647 min Scan# 1240
 Delta R.T. 0.000 min
 Lab File: VX042919.D
 Acq: 07 Aug 2024 16:35

Tgt Ion: 98 Resp: 327042
 Ion Ratio Lower Upper
 98 100
 100 64.2 53.1 79.7

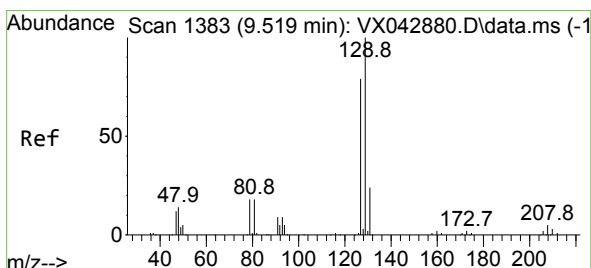
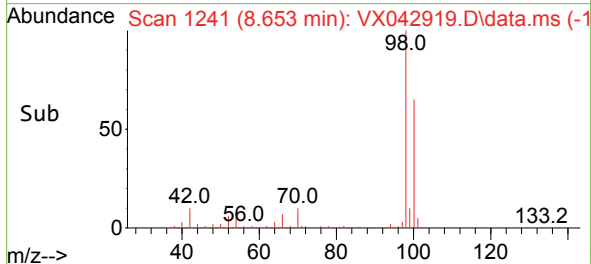
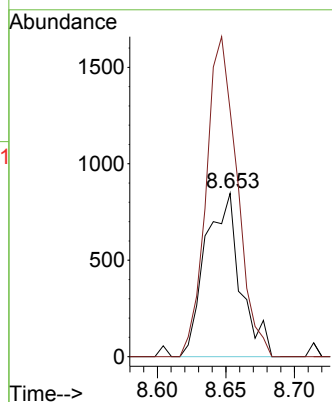
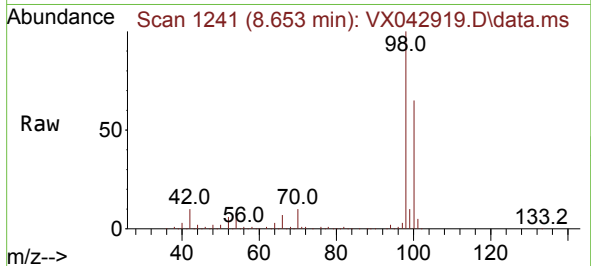




#51
4-Methyl-2-Pentanone
Concen: 0.498 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX042919.D
Acq: 07 Aug 2024 16:35

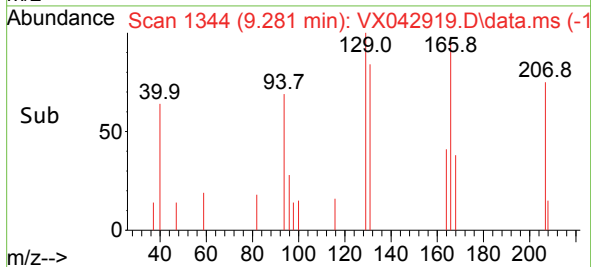
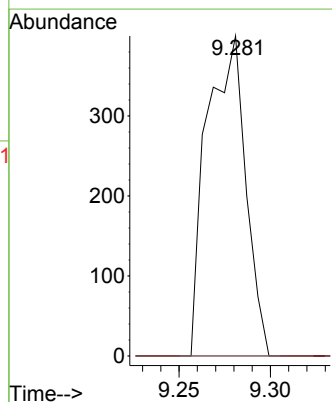
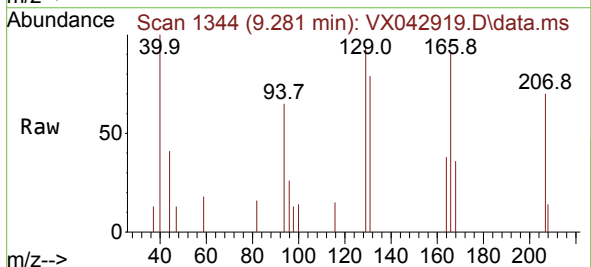
Instrument :
MSVOA_X
ClientSampleId :
S-861-K2-SO-13.5-14-072024ME

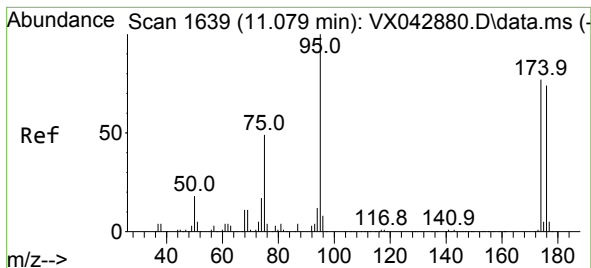
Tgt Ion: 43 Resp: 1501
Ion Ratio Lower Upper
43 100
58 173.3 30.4 45.6#



#60
Dibromochloromethane
Concen: 0.289 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. -0.238 min
Lab File: VX042919.D
Acq: 07 Aug 2024 16:35

Tgt Ion: 129 Resp: 591
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

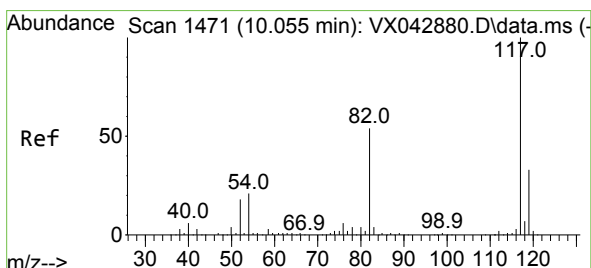
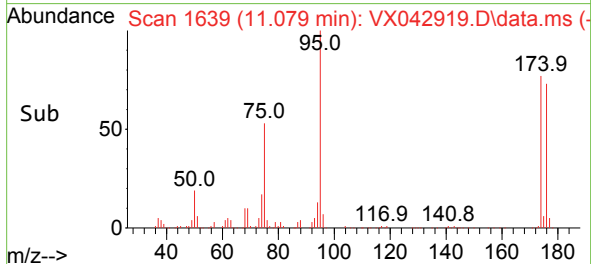
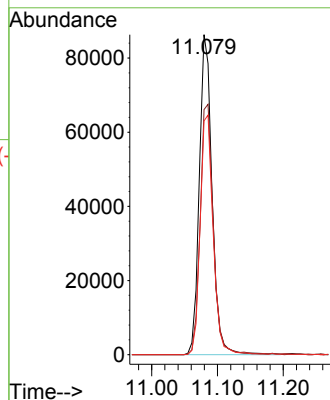
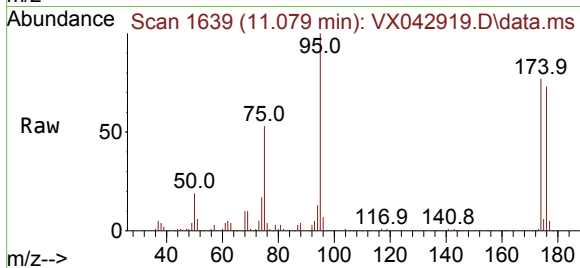




#62
4-Bromofluorobenzene
Concen: 50.749 ug/l
RT: 11.079 min Scan# 116189
Delta R.T. 0.000 min
Lab File: VX042919.D
Acq: 07 Aug 2024 16:35

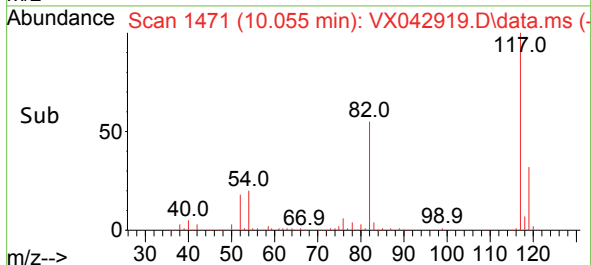
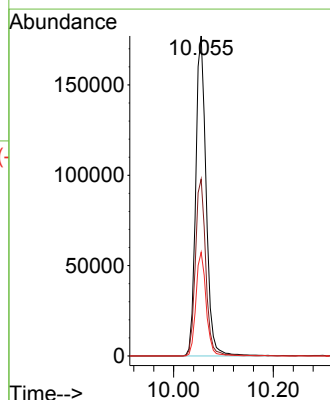
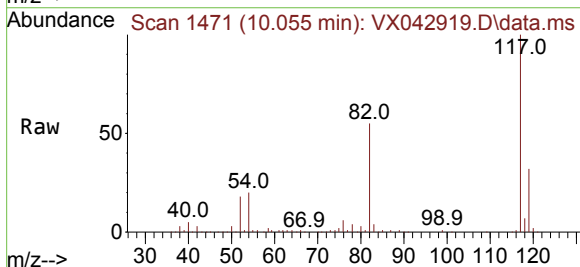
Instrument :
MSVOA_X
ClientSampleId :
S-861-K2-SO-13.5-14-072024ME

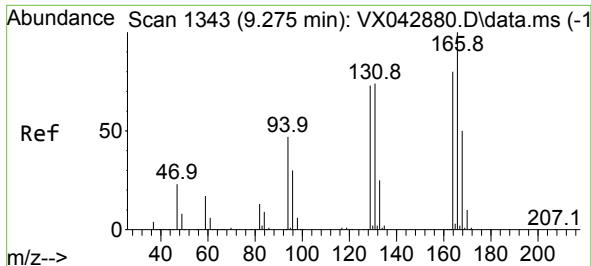
Tgt Ion: 95 Resp: 116189
Ion Ratio Lower Upper
95 100
174 81.2 0.0 135.6
176 76.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX042919.D
Acq: 07 Aug 2024 16:35

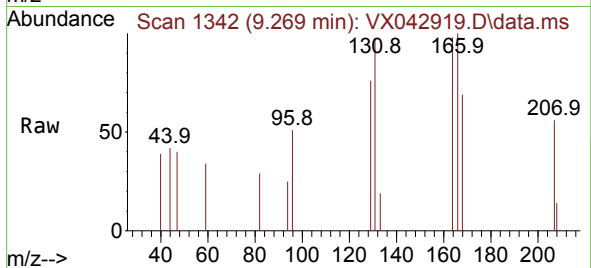
Tgt Ion: 117 Resp: 256906
Ion Ratio Lower Upper
117 100
82 55.3 46.2 69.4
119 32.4 25.5 38.3



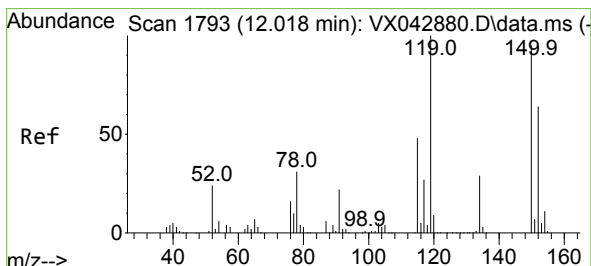
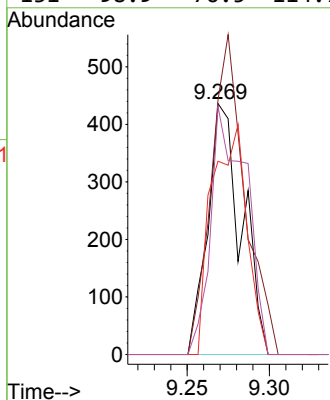
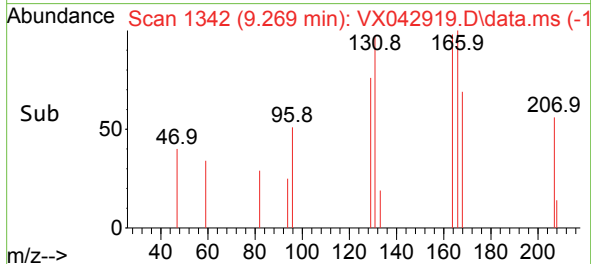


#64
Tetrachloroethene
Concen: 0.348 ug/l
RT: 9.269 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX042919.D
Acq: 07 Aug 2024 16:35

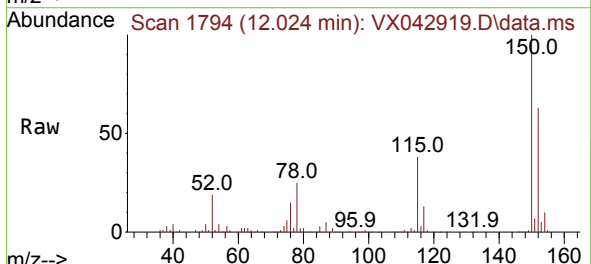
Instrument :
MSVOA_X
ClientSampleId :
S-861-K2-SO-13.5-14-072024ME



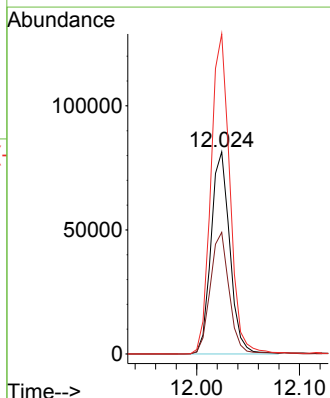
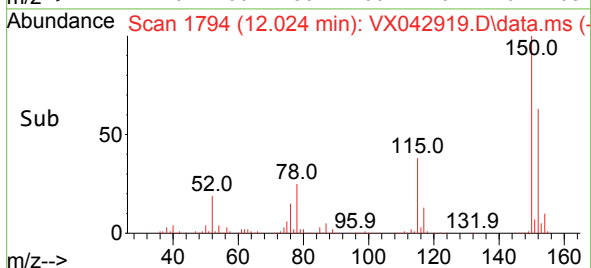
Tgt Ion:164 Resp: 621
Ion Ratio Lower Upper
164 100
166 101.6 102.7 154.1#
129 77.1 80.4 120.6#
131 98.9 76.5 114.7

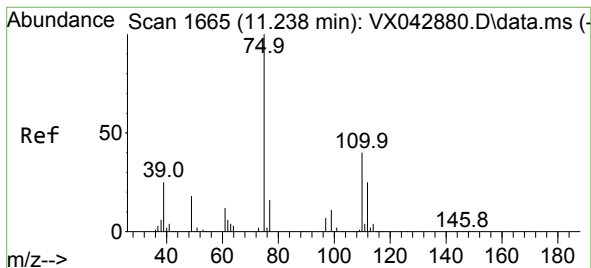


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX042919.D
Acq: 07 Aug 2024 16:35



Tgt Ion:152 Resp: 103728
Ion Ratio Lower Upper
152 100
115 60.9 43.3 129.9
150 159.8 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 25.129 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX042919.D

Acq: 07 Aug 2024 16:35

Instrument :

MSVOA_X

ClientSampleId :

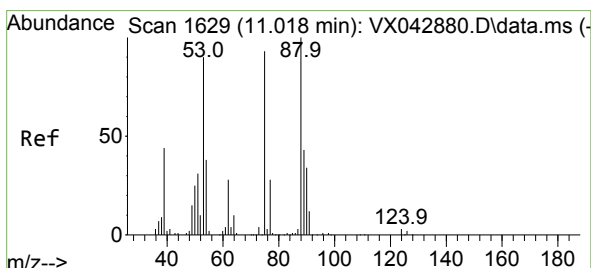
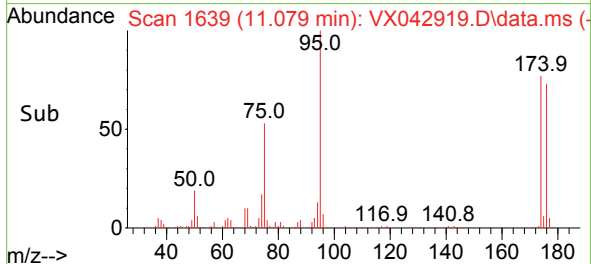
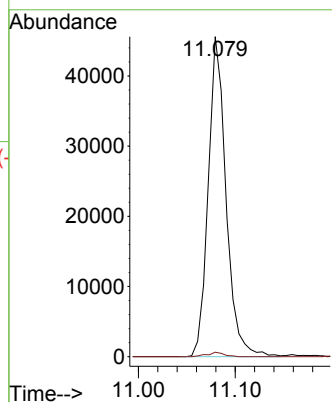
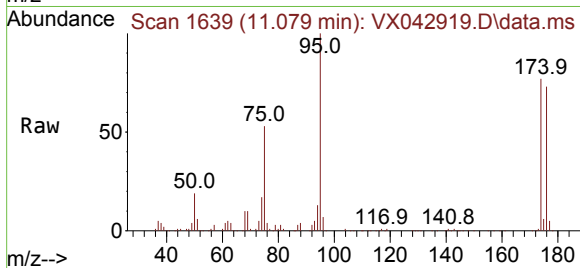
S-861-K2-SO-13.5-14-072024ME

Tgt Ion: 75 Resp: 58621

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 81.707 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX042919.D

Acq: 07 Aug 2024 16:35

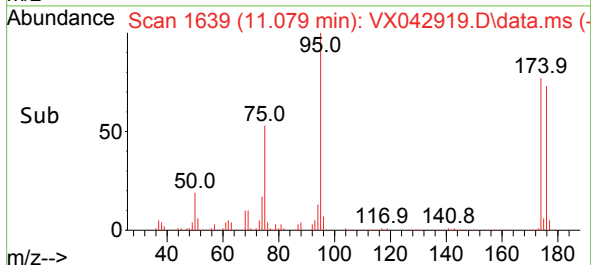
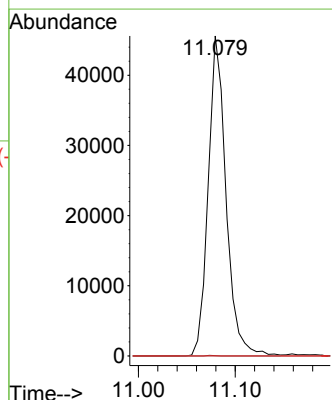
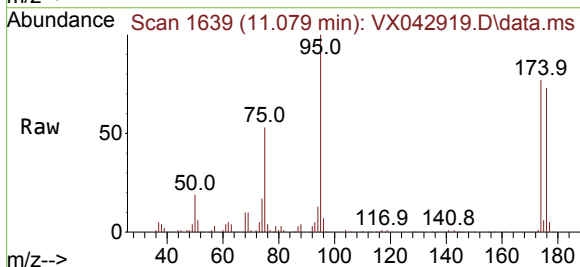
Tgt Ion: 75 Resp: 58621

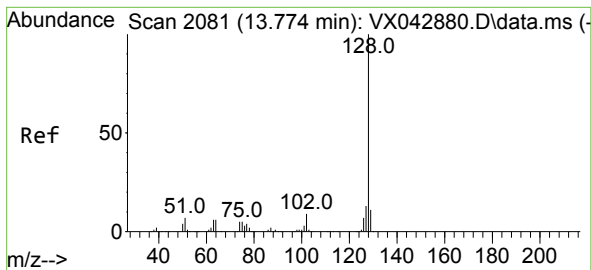
Ion Ratio Lower Upper

75 100

53 0.1 90.5 135.7#

89 0.0 36.9 55.3#





#95

Naphthalene

Concen: 0.320 ug/l

RT: 13.786 min Scan# 2083

Delta R.T. 0.012 min

Lab File: VX042919.D

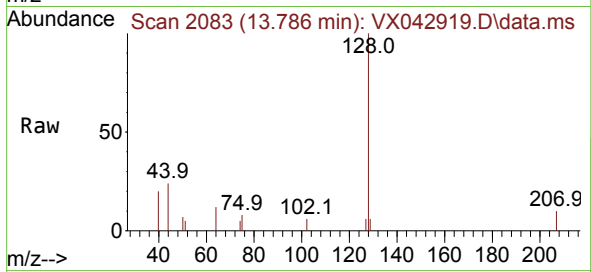
Acq: 07 Aug 2024 16:35

Instrument :

MSVOA_X

ClientSampleId :

S-861-K2-SO-13.5-14-072024ME



Tgt Ion:128 Resp: 2333

Ion Ratio Lower Upper

128 100

127 4.5 10.3 15.5#

129 4.4 8.8 13.2#

