

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092523\
 Data File : VX037887.D
 Acq On : 25 Sep 2023 11:23
 Operator : JC/MD
 Sample : 04595-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 26 06:56:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 16 04:55:44 2023
 Response via : Initial Calibration

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

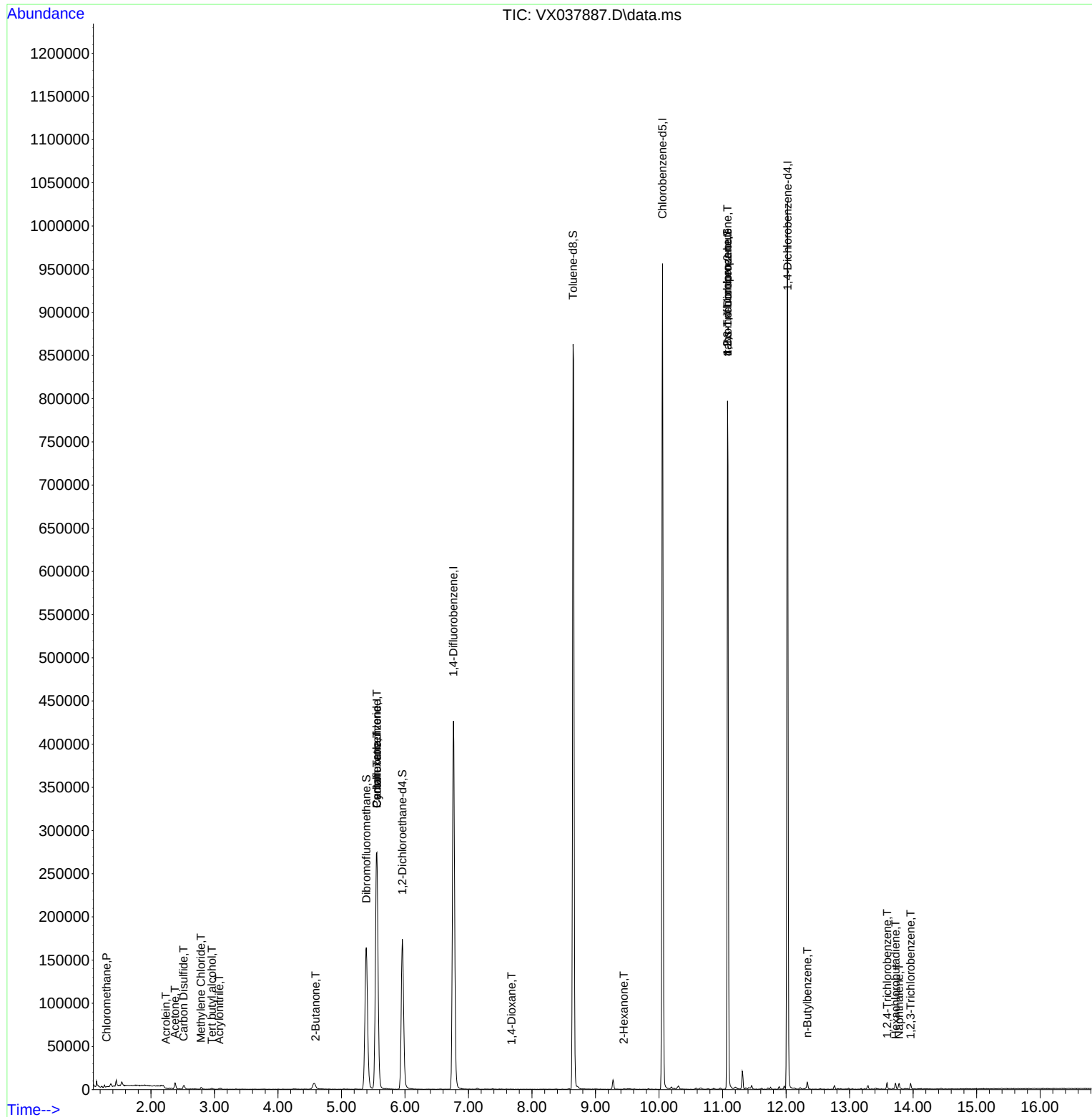
Internal Standards						
1) Pentafluorobenzene	5.556	168	269296	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	452436	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	427981	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	220880	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	164642	46.534	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.060%
35) Dibromofluoromethane	5.391	113	144204	47.635	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.260%
50) Toluene-d8	8.647	98	540340	48.038	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.080%
62) 4-Bromofluorobenzene	11.079	95	204754	50.094	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.180%
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	709	0.230	ug/l	97
11) Tert butyl alcohol	2.959	59	1154	1.520	ug/l #	89
13) Acrolein	2.233	56	401	0.534	ug/l #	81
15) Acrylonitrile	3.075	53	488	0.289	ug/l #	88
16) Acetone	2.380	43	7272	4.272	ug/l	93
17) Carbon Disulfide	2.514	76	4601	0.698	ug/l	99
20) Methylene Chloride	2.788	84	904	0.262	ug/l #	90
25) 2-Butanone	4.593	43	1943	0.809	ug/l #	87
31) Cyclohexane	5.556	56	5581	1.229	ug/l #	1
38) Carbon Tetrachloride	5.556	117	26981	6.184	ug/l #	15
49) 1,4-Dioxane	7.677	88	24	0.261	ug/l #	12
59) 2-Hexanone	9.445	43	781	0.216	ug/l #	41
76) 1,2,3-Trichloropropane	11.079	75	103391	20.238	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	103391	64.830	ug/l #	5
89) n-Butylbenzene	12.335	91	2776	0.227	ug/l	94
93) 1,2,4-Trichlorobenzene	13.591	180	2019	0.449	ug/l	85
94) Hexachlorobutadiene	13.725	225	960	0.457	ug/l	95
95) Naphthalene	13.780	128	4802	0.316	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	1808	0.391	ug/l	96

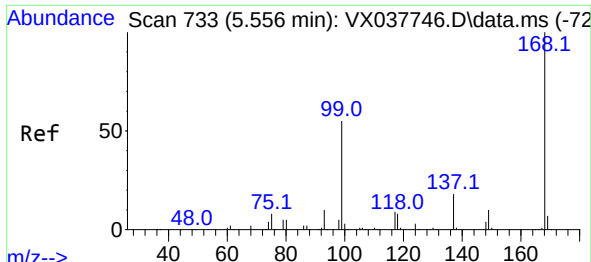
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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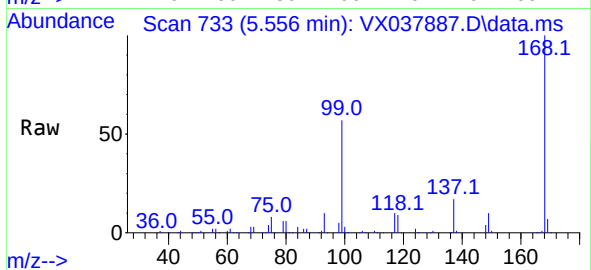
Quant Time: Sep 26 06:56:50 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
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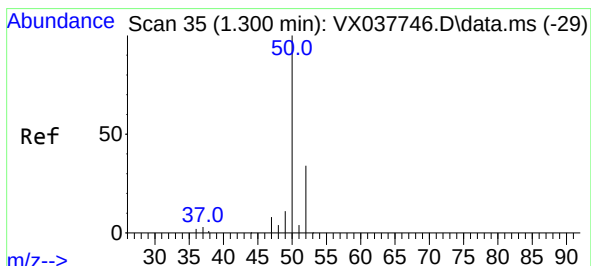
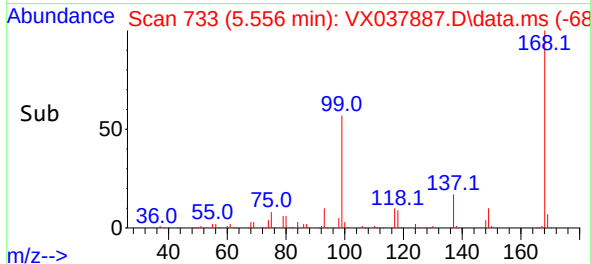
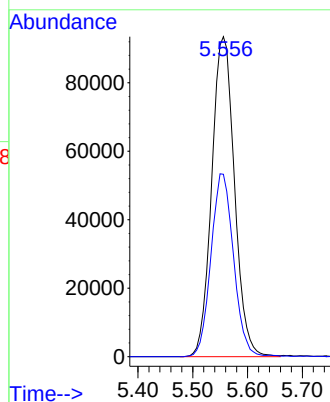


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037887.D
Acq: 25 Sep 2023 11:23

Instrument :
MSVOA_X
ClientSampleId :

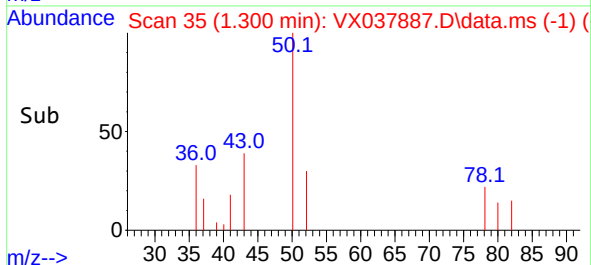
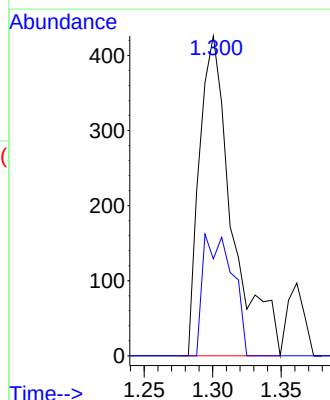
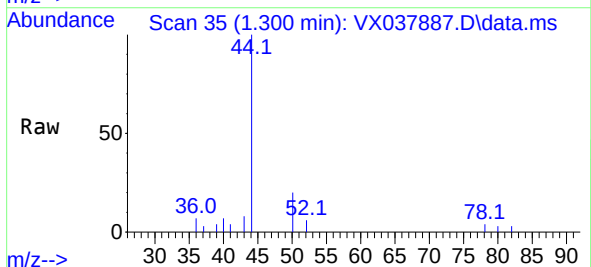


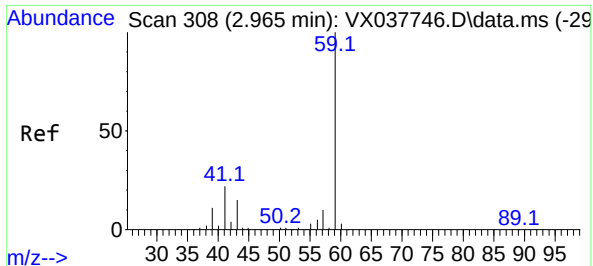
Tgt Ion:168 Resp: 269296
Ion Ratio Lower Upper
168 100
99 57.0 56.6 85.0



#3
Chloromethane
Concen: 0.230 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX037887.D
Acq: 25 Sep 2023 11:23

Tgt Ion: 50 Resp: 709
Ion Ratio Lower Upper
50 100
52 30.3 25.5 38.3





#11

Tert butyl alcohol

Concen: 1.520 ug/l

RT: 2.959 min Scan# 308

Delta R.T. -0.006 min

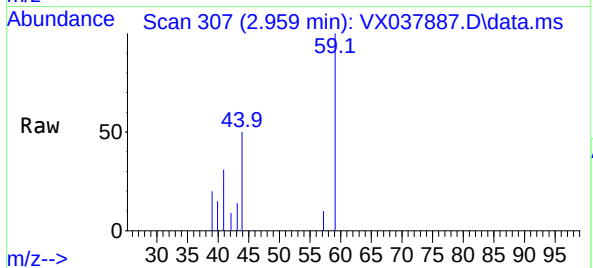
Lab File: VX037887.D

Acq: 25 Sep 2023 11:23

Instrument :

MSVOA_X

ClientSampleId :

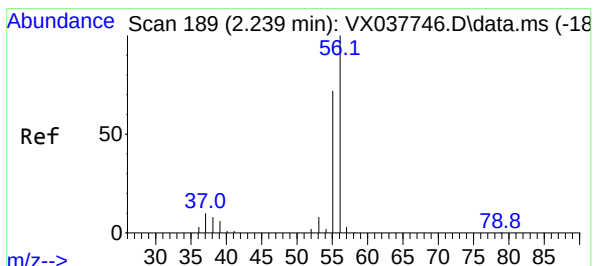
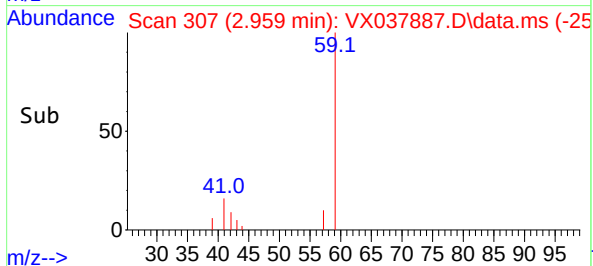
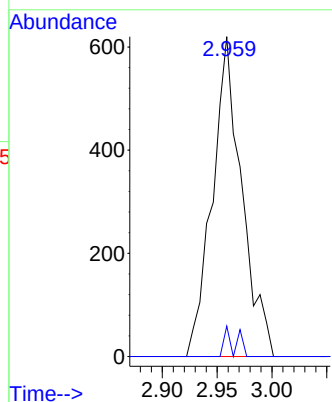


Tgt Ion: 59 Resp: 1154

Ion Ratio Lower Upper

59 100

57 3.6 6.0 9.0#



#13

Acrolein

Concen: 0.534 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.006 min

Lab File: VX037887.D

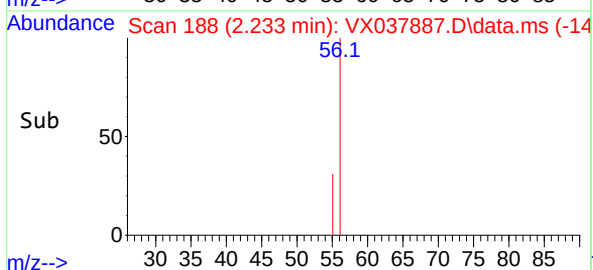
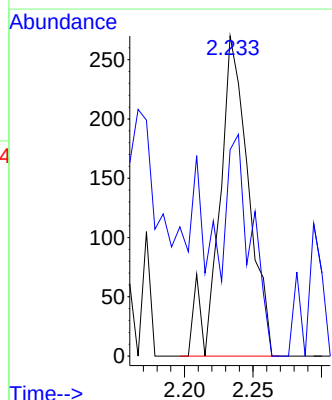
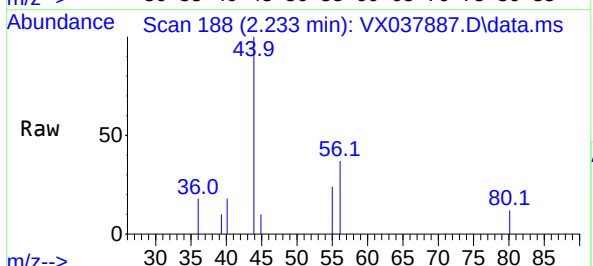
Acq: 25 Sep 2023 11:23

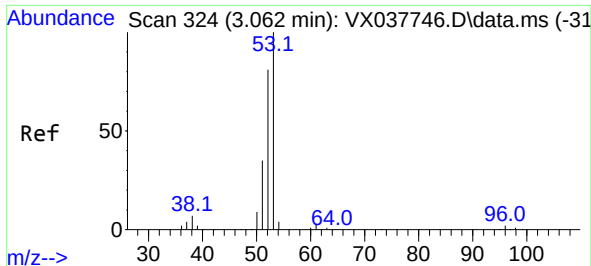
Tgt Ion: 56 Resp: 401

Ion Ratio Lower Upper

56 100

55 55.9 57.1 85.7#





#15

Acrylonitrile

Concen: 0.289 ug/l

RT: 3.075 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX037887.D

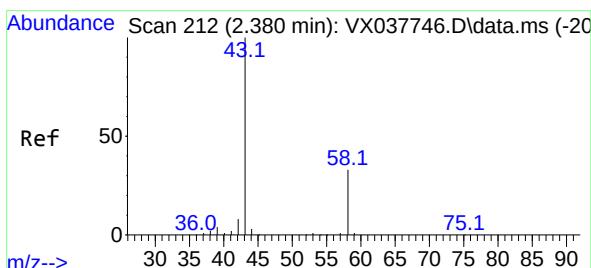
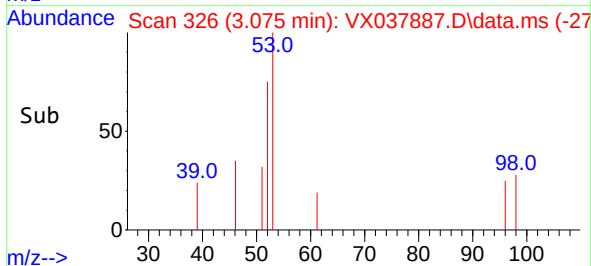
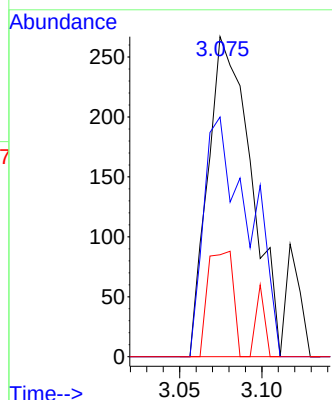
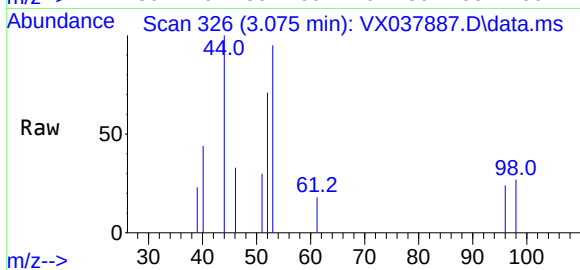
Acq: 25 Sep 2023 11:23

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 53	Resp: 488
Ion Ratio	Lower Upper
53 100	
52 78.7	66.0 99.0
51 19.3	29.8 44.6#



#16

Acetone

Concen: 4.272 ug/l

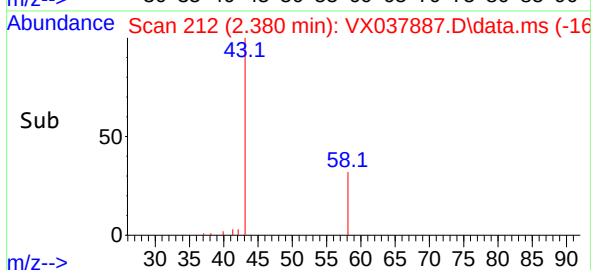
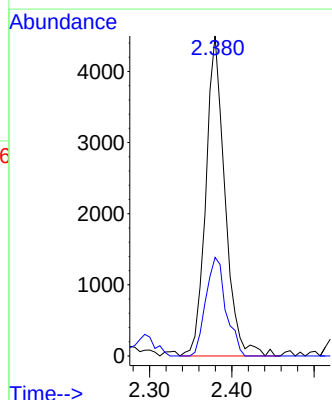
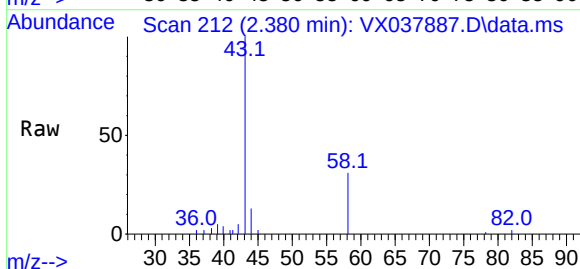
RT: 2.380 min Scan# 212

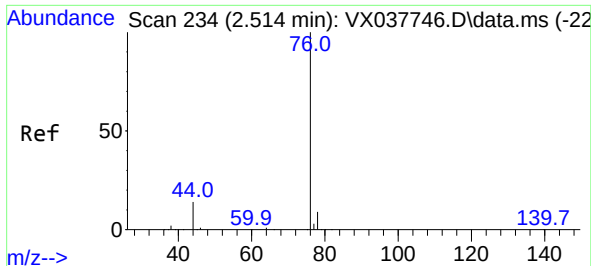
Delta R.T. -0.000 min

Lab File: VX037887.D

Acq: 25 Sep 2023 11:23

Tgt Ion: 43	Resp: 7272
Ion Ratio	Lower Upper
43 100	
58 30.8	21.9 32.9





#17

Carbon Disulfide

Concen: 0.698 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX037887.D

Acq: 25 Sep 2023 11:23

Instrument :

MSVOA_X

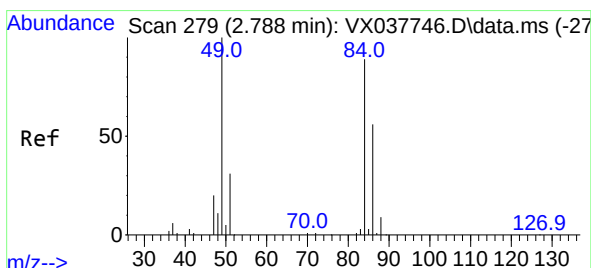
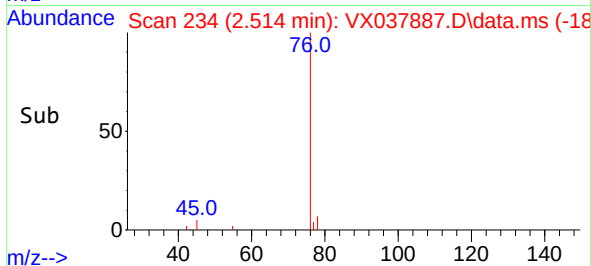
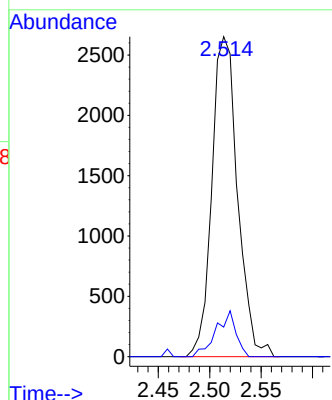
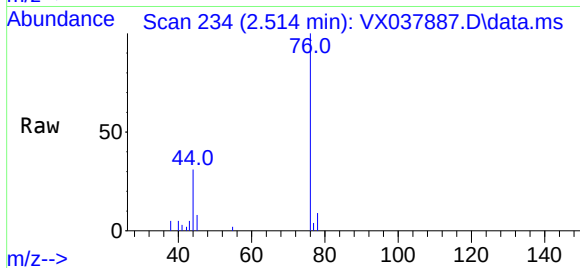
ClientSampleId :

Tgt Ion: 76 Resp: 4601

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6



#20

Methylene Chloride

Concen: 0.262 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX037887.D

Acq: 25 Sep 2023 11:23

Tgt Ion: 84 Resp: 904

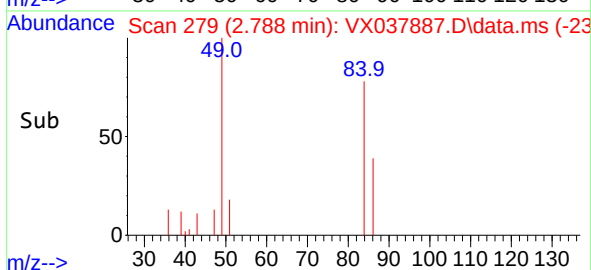
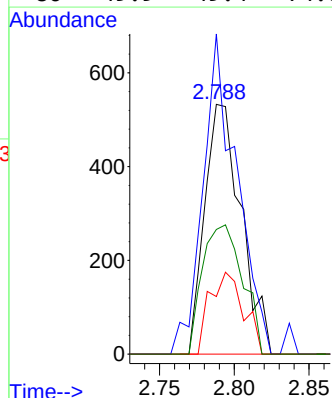
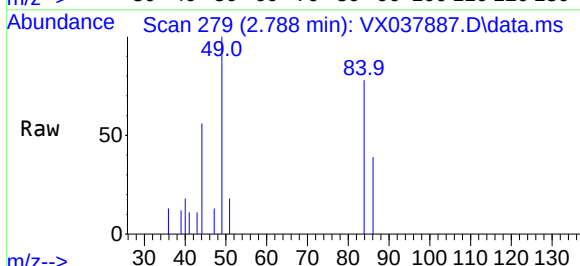
Ion Ratio Lower Upper

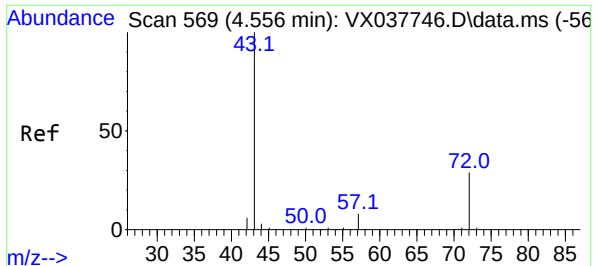
84 100

49 128.1 103.6 155.4

51 23.1 33.8 50.6#

86 49.9 49.4 74.0

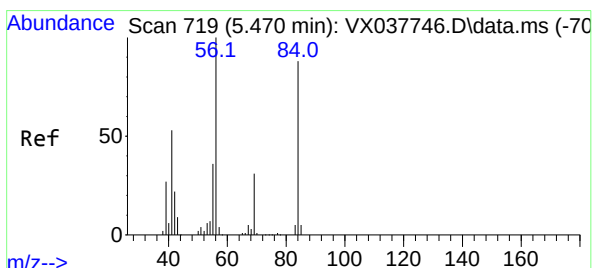
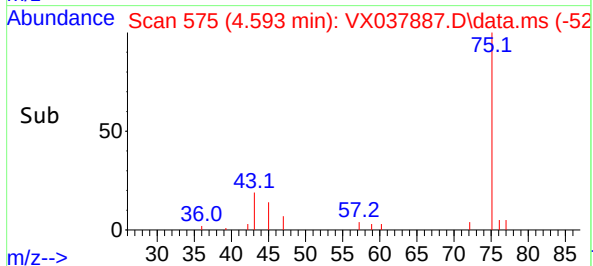
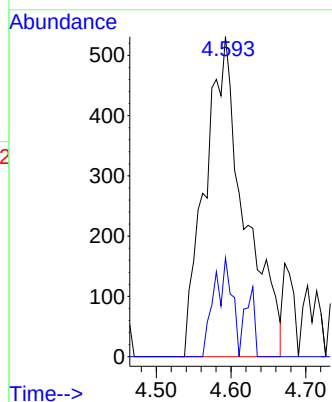
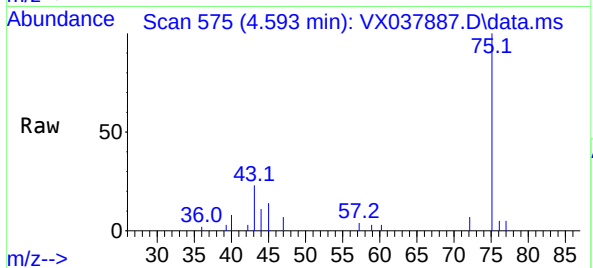




#25
2-Butanone
Concen: 0.809 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX037887.D
Acq: 25 Sep 2023 11:23

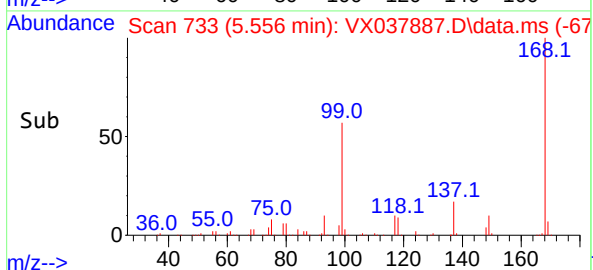
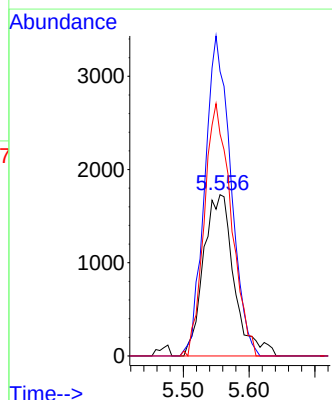
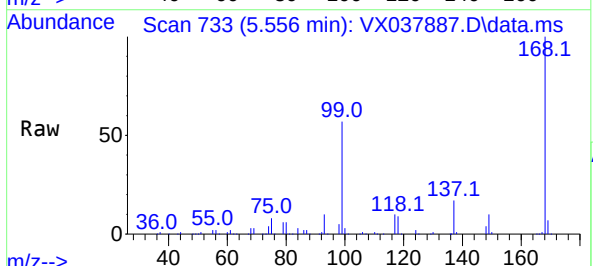
Instrument :
MSVOA_X
ClientSampleId :

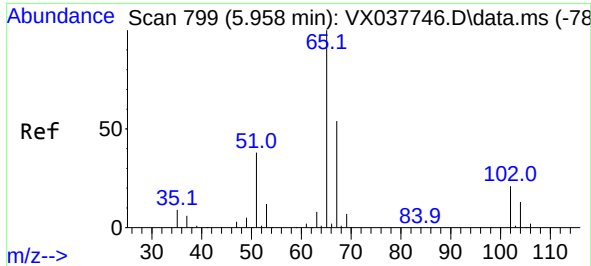
Tgt Ion: 43 Resp: 1943
Ion Ratio Lower Upper
43 100
72 30.9 19.4 29.2#



#31
Cyclohexane
Concen: 1.229 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX037887.D
Acq: 25 Sep 2023 11:23

Tgt Ion: 56 Resp: 5581
Ion Ratio Lower Upper
56 100
69 176.5 23.4 35.2#
84 137.6 65.9 98.9#

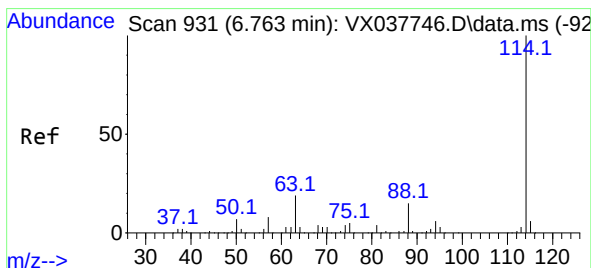
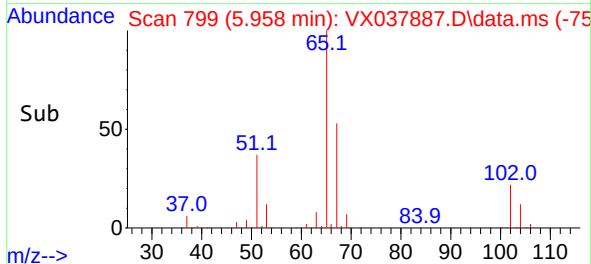
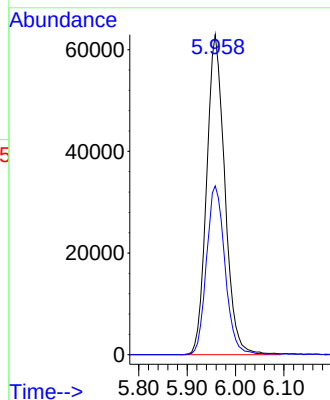
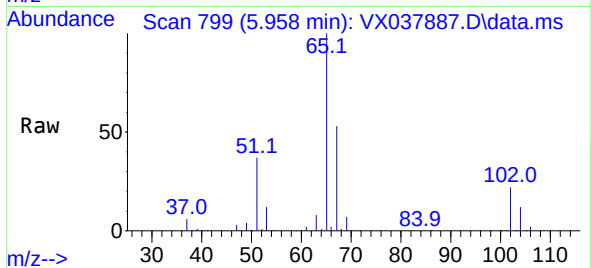




#33
1,2-Dichloroethane-d4
Concen: 46.534 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX037887.D
Acq: 25 Sep 2023 11:23

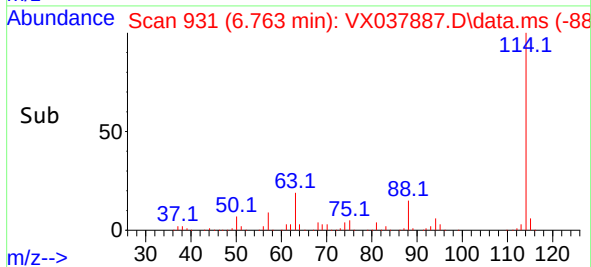
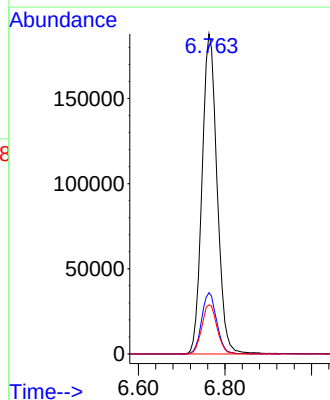
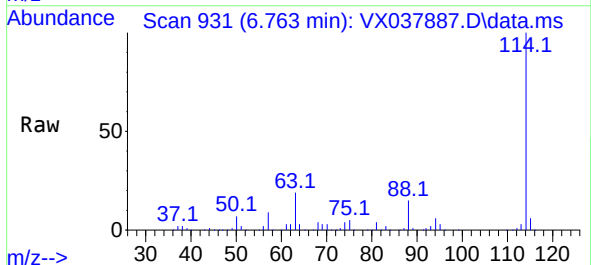
Instrument :
MSVOA_X
ClientSampleId :

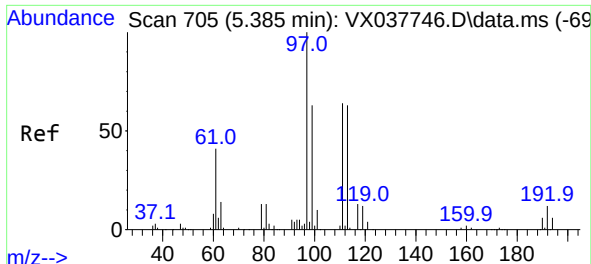
Tgt Ion: 65 Resp: 164642
Ion Ratio Lower Upper
65 100
67 53.6 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX037887.D
Acq: 25 Sep 2023 11:23

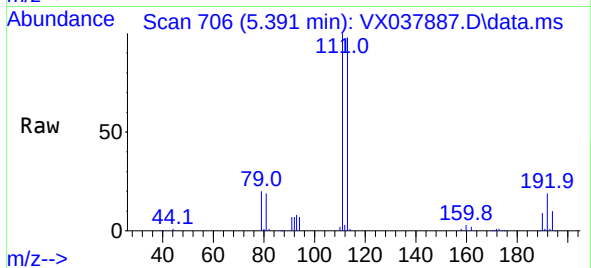
Tgt Ion:114 Resp: 452436
Ion Ratio Lower Upper
114 100
63 19.1 0.0 45.0
88 15.4 0.0 36.6



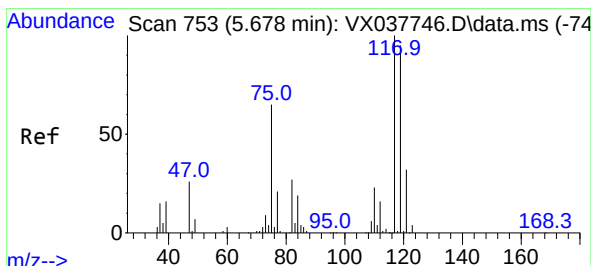
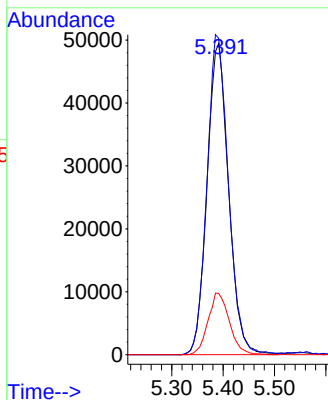
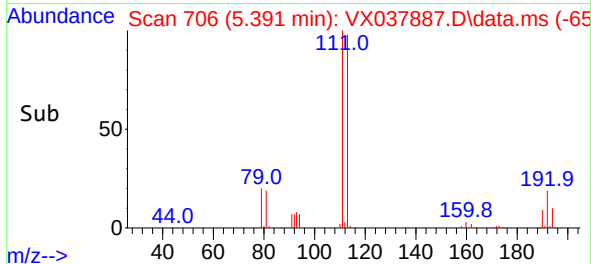


#35
Dibromofluoromethane
Concen: 47.635 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX037887.D
Acq: 25 Sep 2023 11:23

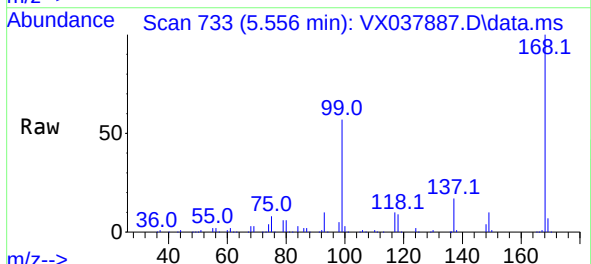
Instrument :
MSVOA_X
ClientSampleId :



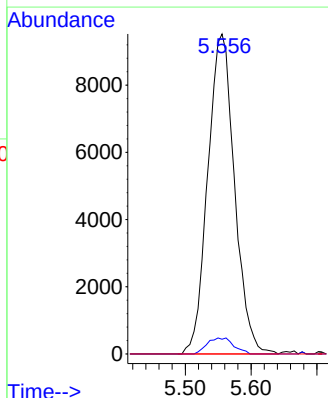
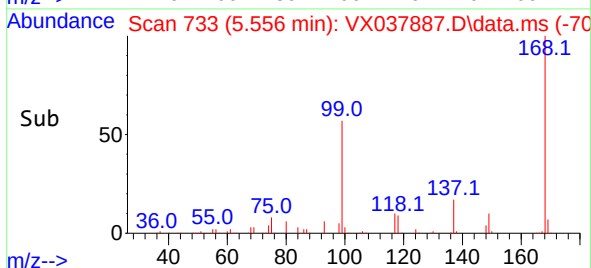
Tgt Ion:113 Resp: 144204
Ion Ratio Lower Upper
113 100
111 102.3 82.9 124.3
192 19.6 13.3 19.9

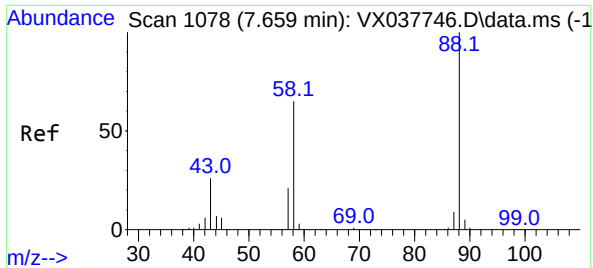


#38
Carbon Tetrachloride
Concen: 6.184 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX037887.D
Acq: 25 Sep 2023 11:23



Tgt Ion:117 Resp: 26981
Ion Ratio Lower Upper
117 100
119 4.6 78.2 117.2#
121 0.0 24.4 36.6#

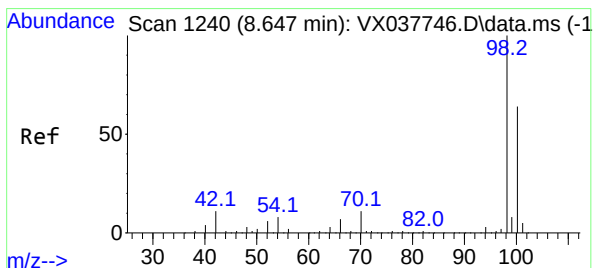
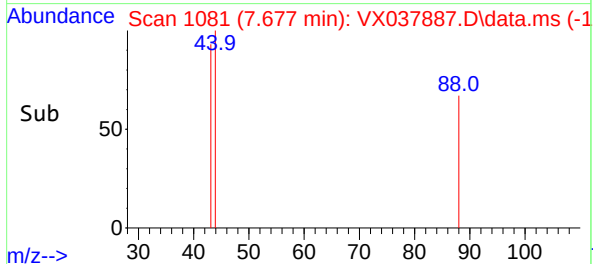
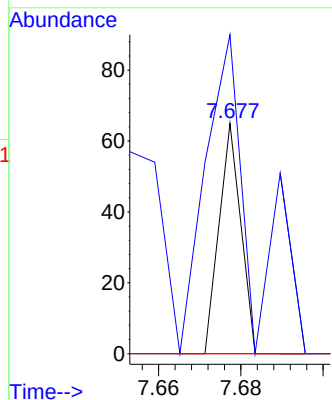
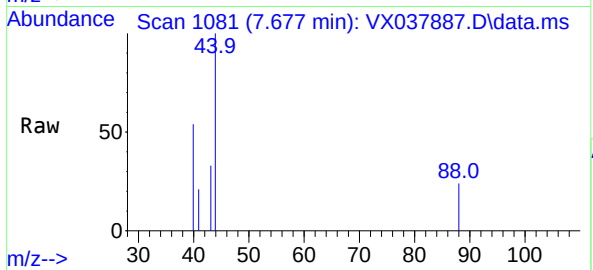




#49
1,4-Dioxane
Concen: 0.261 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.006 min
Lab File: VX037887.D
Acq: 25 Sep 2023 11:23

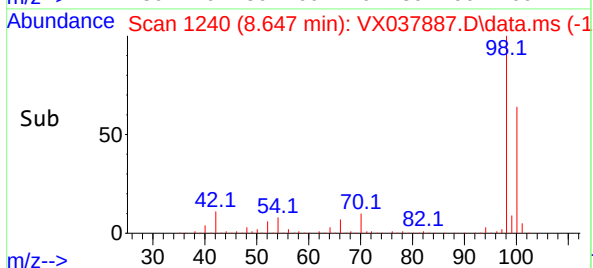
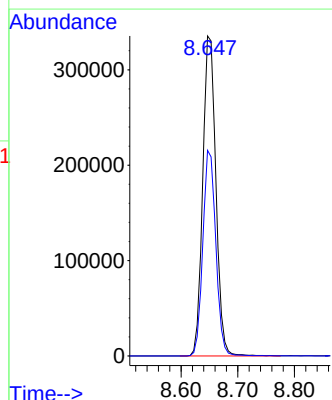
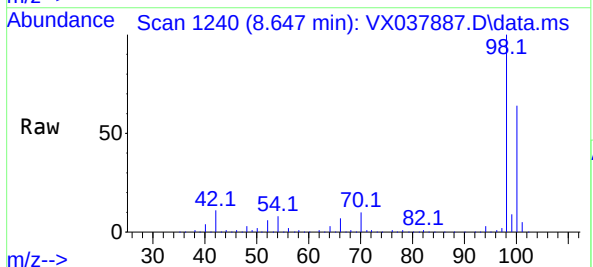
Instrument :
MSVOA_X
ClientSampleId :

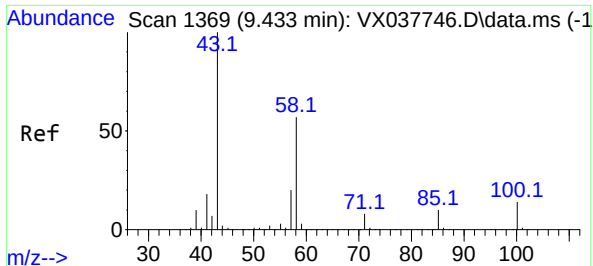
Tgt Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 295.8 0.0 0.0#
58 0.0 60.1 90.1#



#50
Toluene-d8
Concen: 48.038 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX037887.D
Acq: 25 Sep 2023 11:23

Tgt Ion: 98 Resp: 540340
Ion Ratio Lower Upper
98 100
100 63.5 53.1 79.7

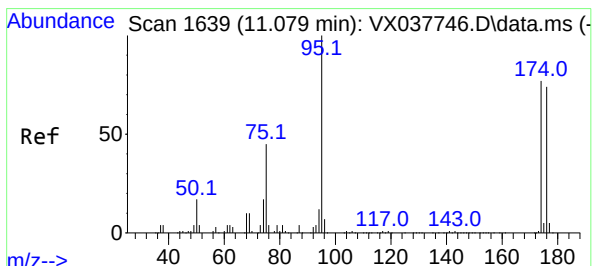
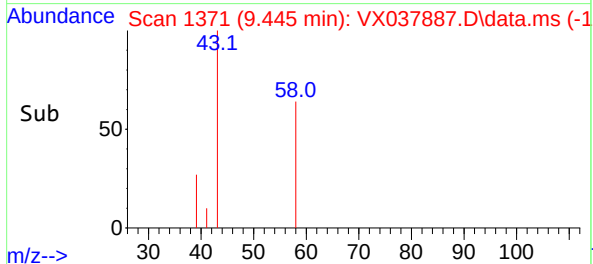
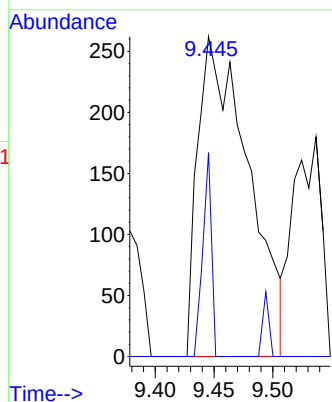
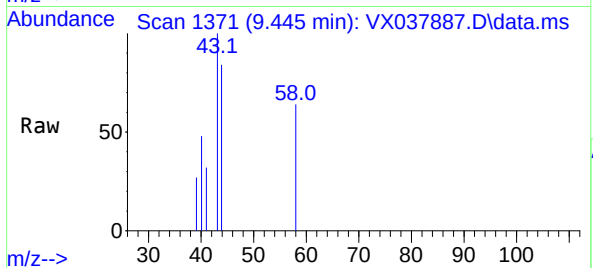




#59
2-Hexanone
Concen: 0.216 ug/l
RT: 9.445 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX037887.D
Acq: 25 Sep 2023 11:23

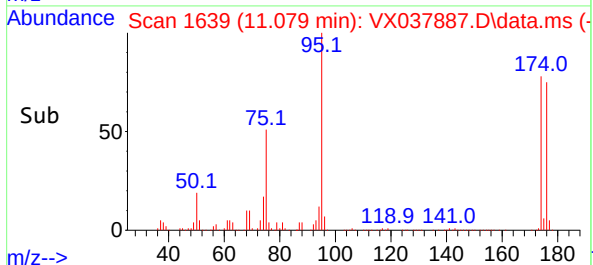
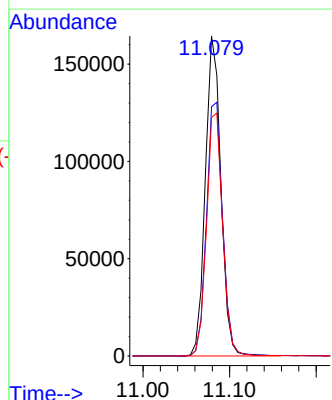
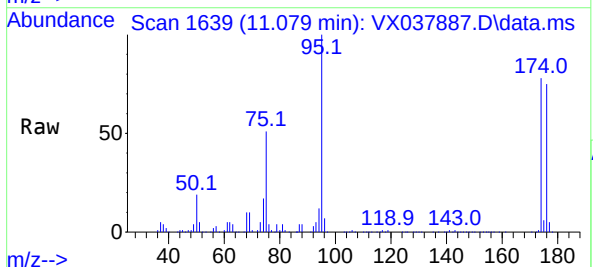
Instrument :
MSVOA_X
ClientSampleId :

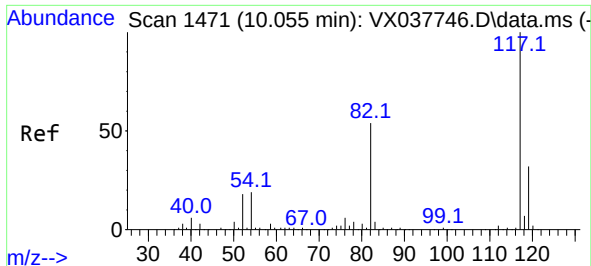
Tgt Ion: 43 Resp: 781
Ion Ratio Lower Upper
43 100
58 11.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 50.094 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037887.D
Acq: 25 Sep 2023 11:23

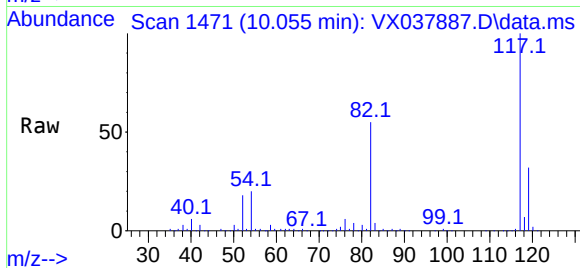
Tgt Ion: 95 Resp: 204754
Ion Ratio Lower Upper
95 100
174 82.8 0.0 135.6
176 79.0 0.0 131.0



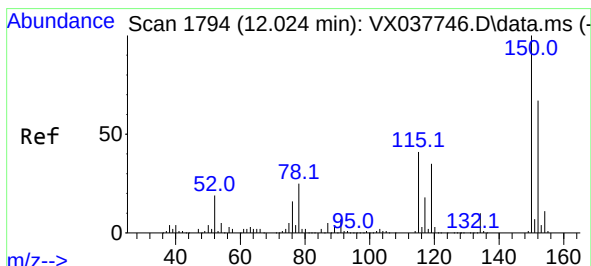
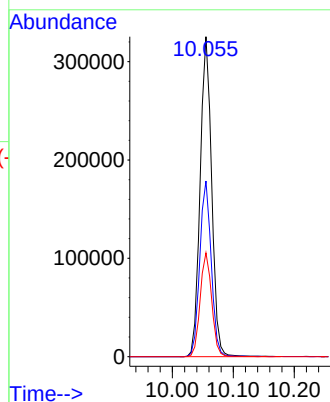
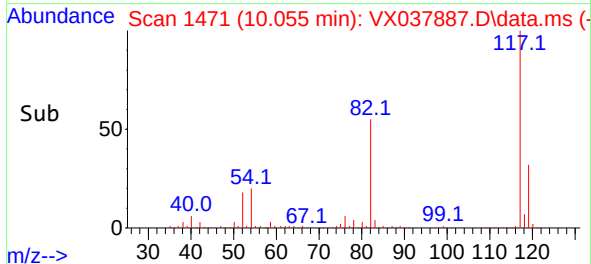


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037887.D
Acq: 25 Sep 2023 11:23

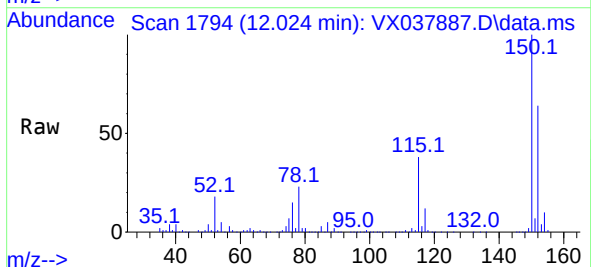
Instrument :
MSVOA_X
ClientSampleId :



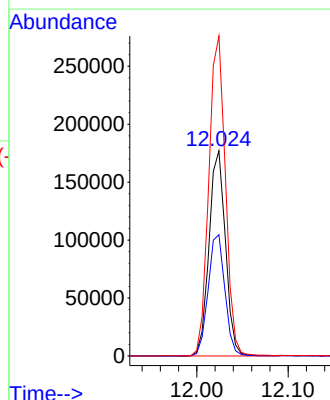
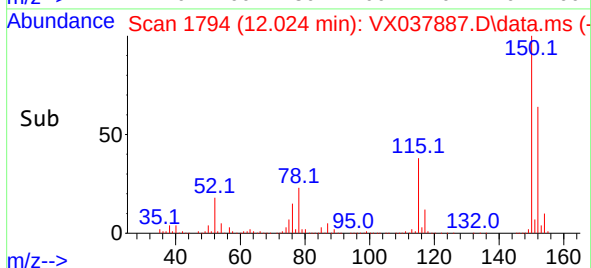
Tgt Ion:117 Resp: 427981
Ion Ratio Lower Upper
117 100
82 54.9 46.2 69.4
119 32.5 25.5 38.3

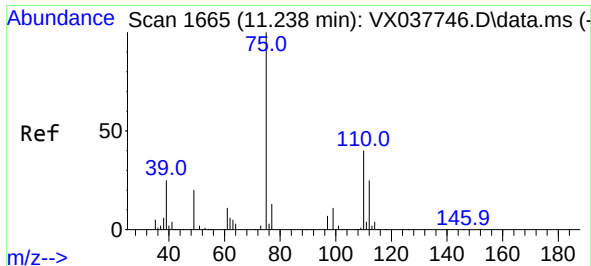


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037887.D
Acq: 25 Sep 2023 11:23



Tgt Ion:152 Resp: 220880
Ion Ratio Lower Upper
152 100
115 60.3 43.3 129.9
150 157.4 0.0 345.0

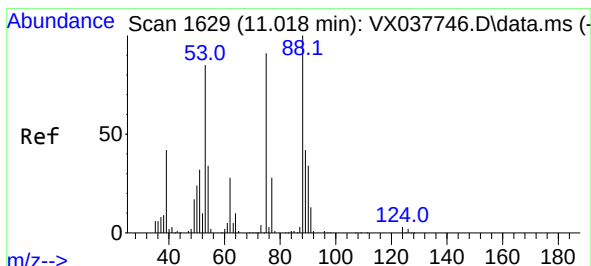
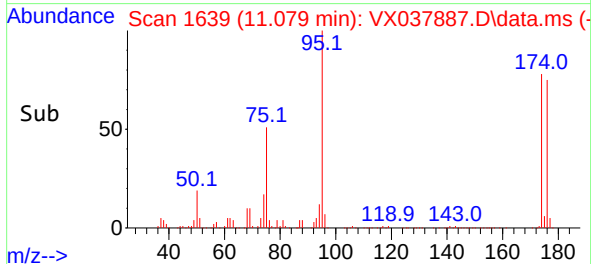
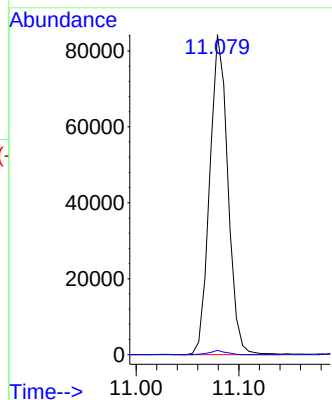
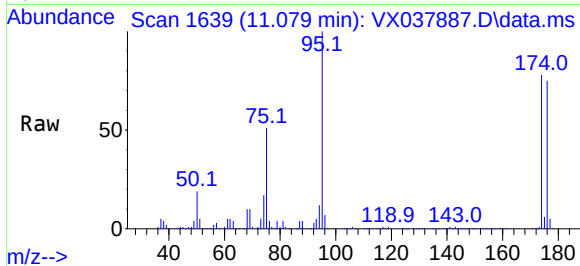




#76
1,2,3-Trichloropropane
Concen: 20.238 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX037887.D
Acq: 25 Sep 2023 11:23

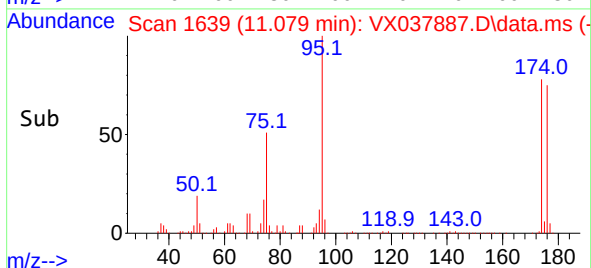
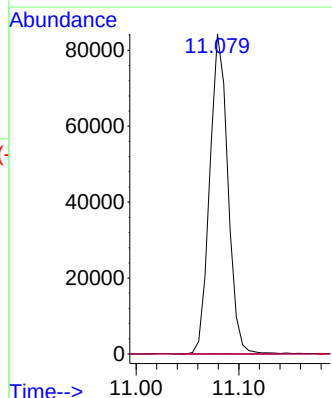
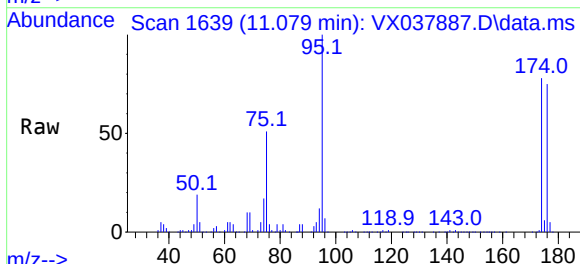
Instrument :
MSVOA_X
ClientSampleId :

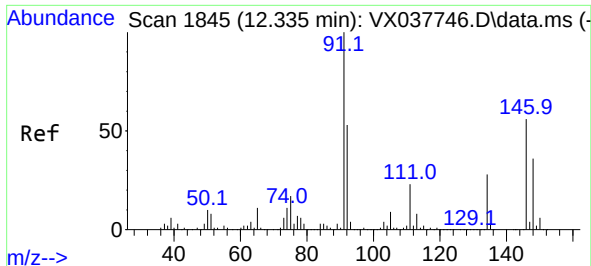
Tgt Ion: 75 Resp: 103391
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.830 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037887.D
Acq: 25 Sep 2023 11:23

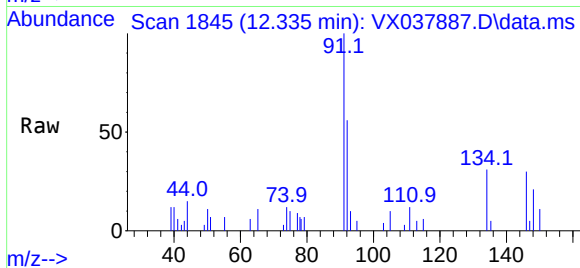
Tgt Ion: 75 Resp: 103391
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#





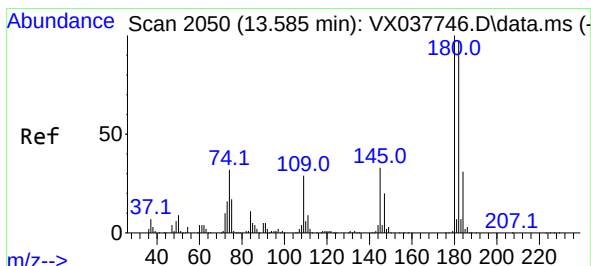
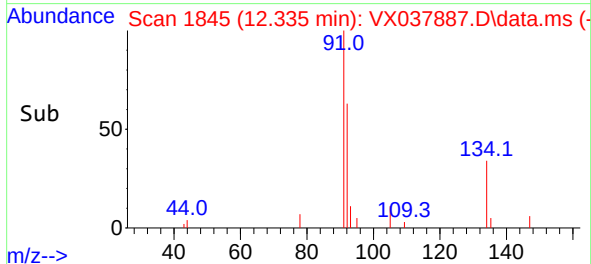
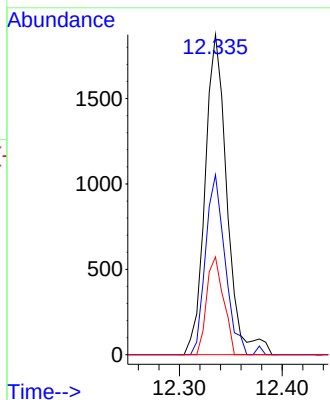
#89
n-Butylbenzene
Concen: 0.227 ug/l
RT: 12.335 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037887.D
Acq: 25 Sep 2023 11:23

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 91 Resp: 2776

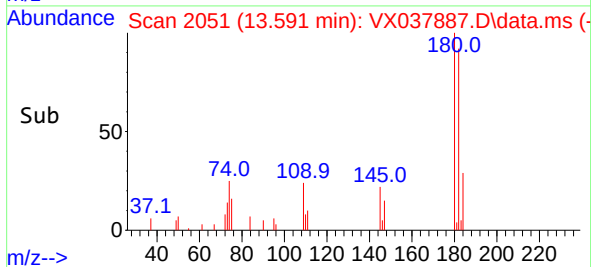
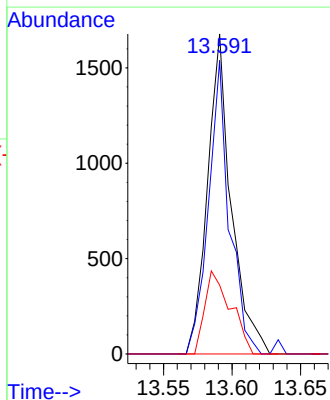
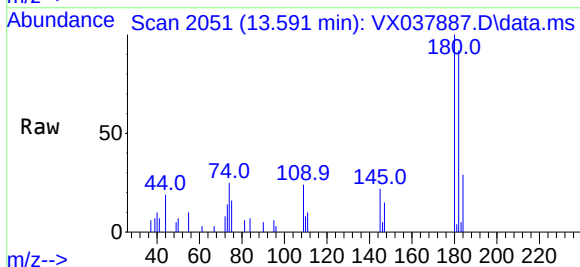
Ion	Ratio	Lower	Upper
91	100		
92	49.9	27.4	82.0
134	23.5	12.6	37.8

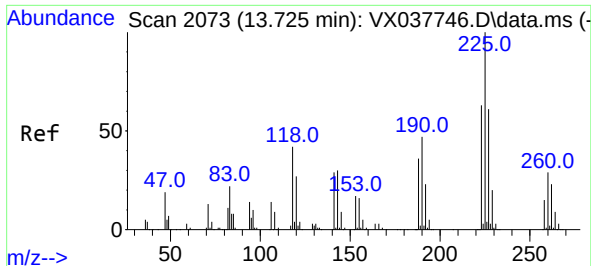


#93
1,2,4-Trichlorobenzene
Concen: 0.449 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. -0.000 min
Lab File: VX037887.D
Acq: 25 Sep 2023 11:23

Tgt Ion: 180 Resp: 2019

Ion	Ratio	Lower	Upper
180	100		
182	81.0	48.3	144.8
145	28.4	18.0	54.0

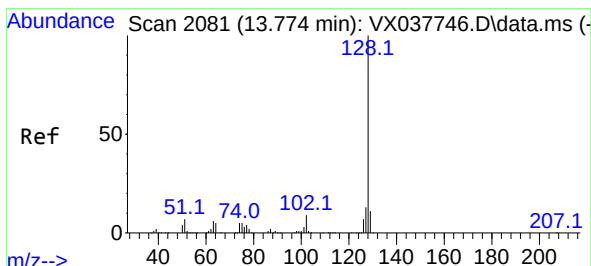
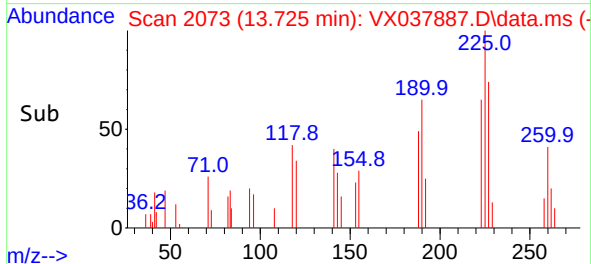
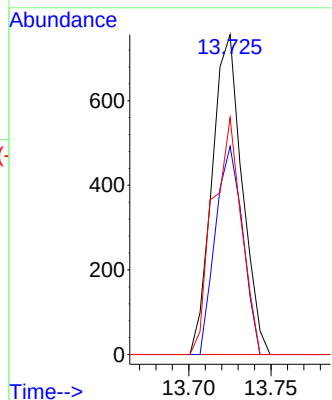
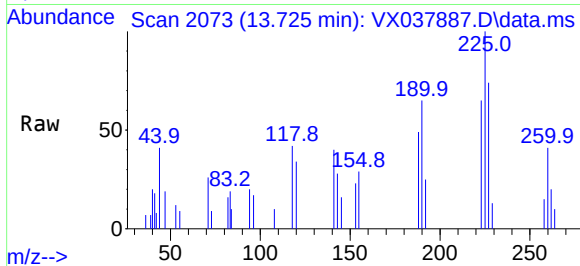




#94
Hexachlorobutadiene
Concen: 0.457 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX037887.D
Acq: 25 Sep 2023 11:23

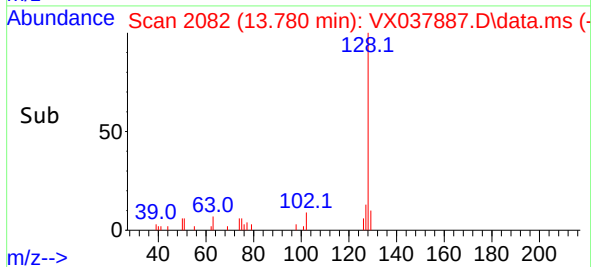
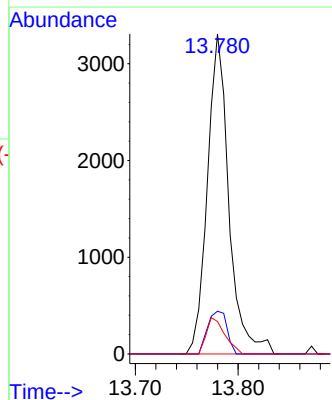
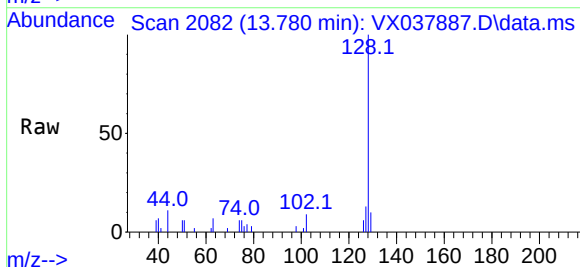
Instrument :
MSVOA_X
ClientSampleId :

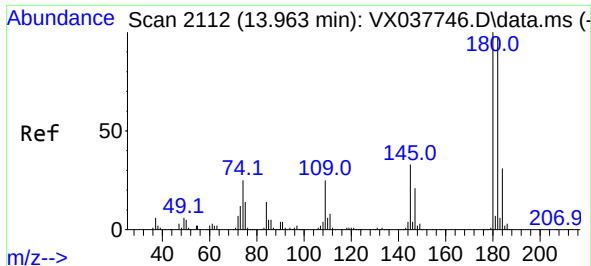
Tgt Ion:	225	Resp:	960
Ion	Ratio	Lower	Upper
225	100		
223	59.0	31.1	93.2
227	70.2	32.5	97.5



#95
Naphthalene
Concen: 0.316 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX037887.D
Acq: 25 Sep 2023 11:23

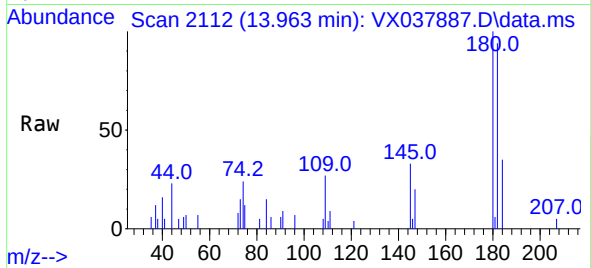
Tgt Ion:	128	Resp:	4802
Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.3	15.5
129	9.7	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.391 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX037887.D
 Acq: 25 Sep 2023 11:23

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	1808
Ion	Ratio	Lower	Upper
180	100		
182	94.2	46.9	140.6
145	28.3	17.8	53.5

