

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061322\
 Data File : VX029407.D
 Acq On : 13 Jun 2022 12:13
 Operator : JC/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VIBLK642

Quant Time: Jun 14 04:10:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML061322WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jun 13 17:34:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	381472	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	344310	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	161028	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	141047	47.754	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.500%
7) Chloroethane-d5	1.666	69	110021	59.940	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	119.880%
11) 1,1-Dichloroethene-d2	2.306	63	197742	37.159	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.320%
21) 2-Butanone-d5	4.465	46	228792	102.167	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.170%
24) Chloroform-d	5.062	84	268694	47.647	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.300%
26) 1,2-Dichloroethane-d4	5.958	65	175001	47.998	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.000%
32) Benzene-d6	5.976	84	546067	50.774	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.540%
36) 1,2-Dichloropropane-d6	7.312	67	160798	51.047	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.100%
41) Toluene-d8	8.653	98	498552	49.170	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.340%
43) trans-1,3-Dichloroprop...	8.952	79	76389	49.180	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.360%
47) 2-Hexanone-d5	9.384	63	179325	105.252	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.250%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	233052	50.456	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.920%
66) 1,2-Dichlorobenzene-d4	12.323	152	173445	51.808	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.620%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	2550	0.697	ug/L	89
6) Bromomethane	1.617	94	1712	1.098	ug/L	91
12) 1,1-Dichloroethene	2.319	96	3559	1.376	ug/L #	1
14) Carbon disulfide	2.514	76	17168	2.420	ug/L	98
17) trans-1,2-Dichloroethene	3.093	96	3466	1.251	ug/L	84
34) Trichloroethene	7.135	95	20577	5.185	ug/L	93
35) Methylcyclohexane	7.379	83	3331	0.665	ug/L	94
42) Toluene	8.720	91	13184	1.075	ug/L	100
46) Tetrachloroethene	9.275	164	2517	1.105	ug/L #	77
55) Styrene	10.659	104	5755	0.658	ug/L	90
62) 1,3,5-Trimethylbenzene	11.457	105	8927	0.831	ug/L	89
63) 1,2,4-Trimethylbenzene	11.756	105	9786	0.918	ug/L	95
64) 1,3-Dichlorobenzene	11.969	146	6573	1.262	ug/L	98
65) 1,4-Dichlorobenzene	12.042	146	7746	1.473	ug/L #	89
67) 1,2-Dichlorobenzene	12.335	146	5332	1.015	ug/L #	77
68) 1,2-Dibromo-3-chloropr...	13.109	75	1306	1.410	ug/L #	1
69) 1,3,5-Trichlorobenzene	13.115	180	7205	2.021	ug/L	94
70) 1,2,4-trichlorobenzene	13.591	180	8292	2.582	ug/L	96
71) Naphthalene	13.780	128	21821	1.845	ug/L	99

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Quant Title : VOC Analysis
QLast Update : Mon Jun 13 17:34:21 2022
Response via : Initial Calibration

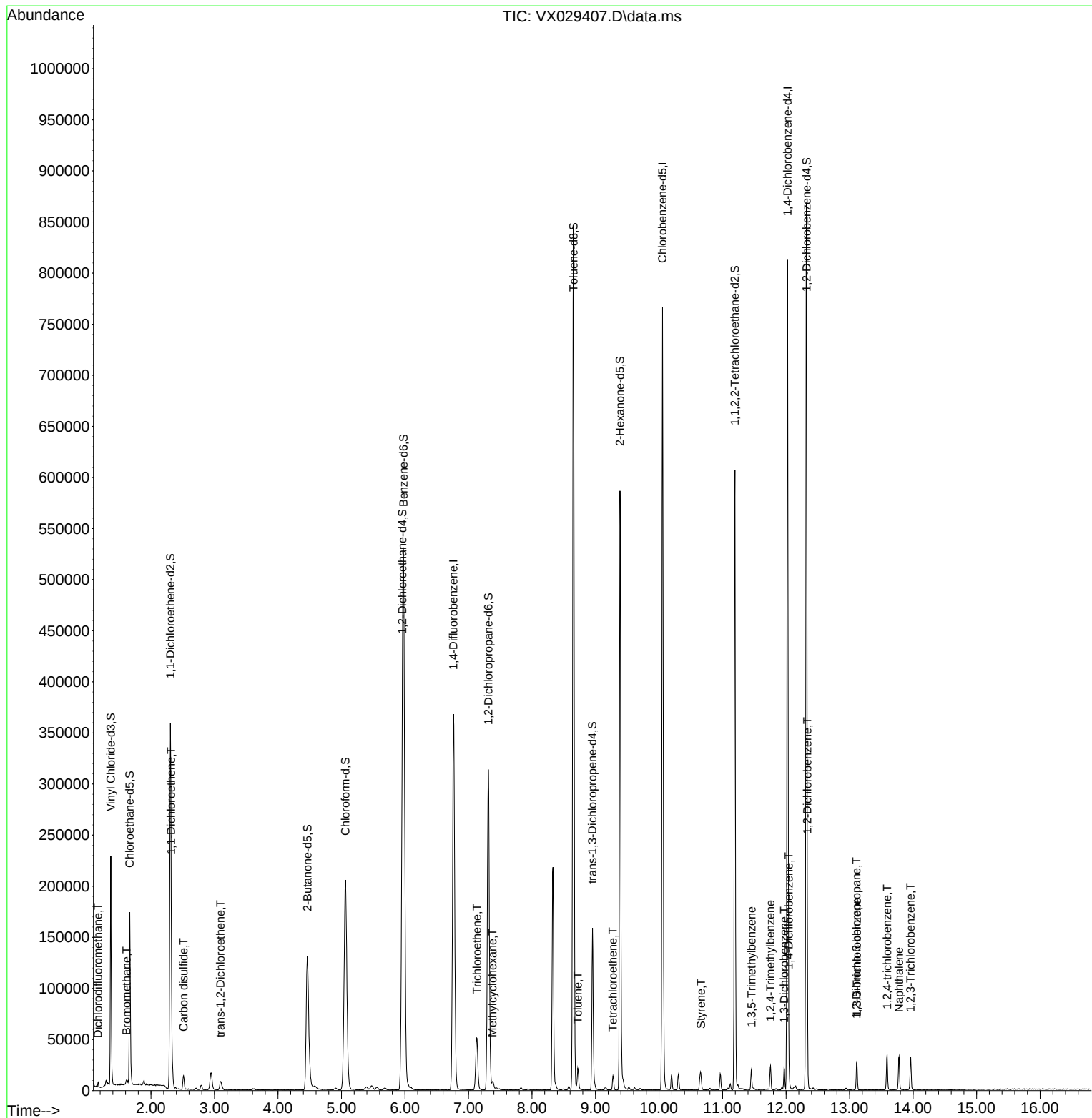
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,2,3-Trichlorobenzene	13.963	180	7605	2.344	ug/L	98

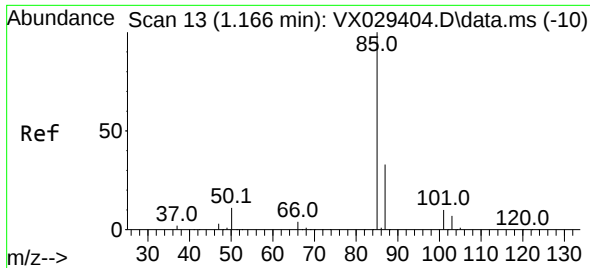
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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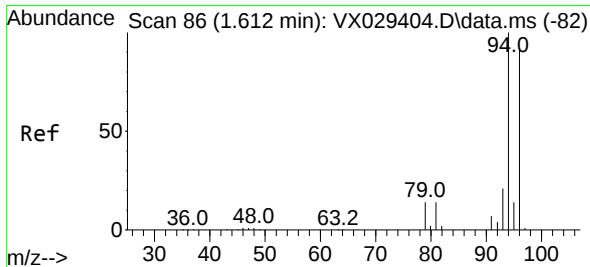
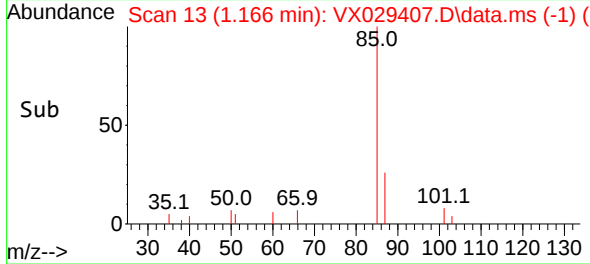
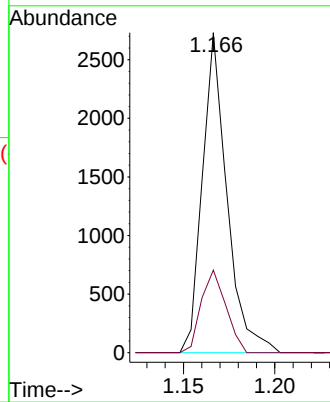
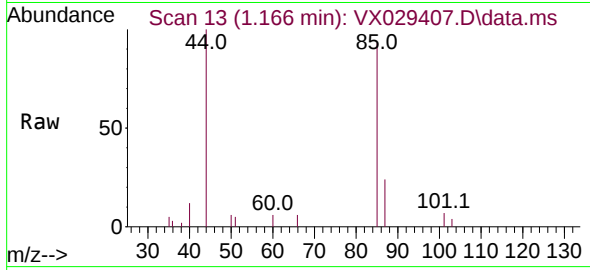




#2
Dichlorodifluoromethane
Concen: 0.697 ug/L
RT: 1.166 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029407.D
Acq: 13 Jun 2022 12:13

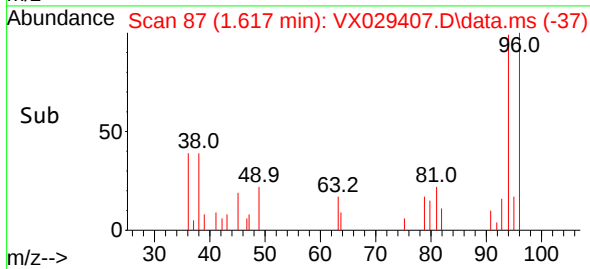
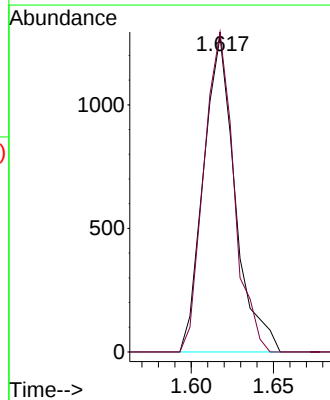
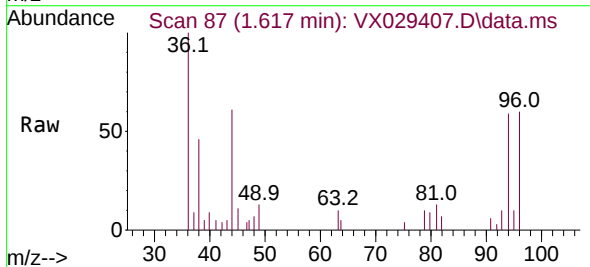
Instrument :
MSVOA_X
ClientSampleId :
VIBLK642

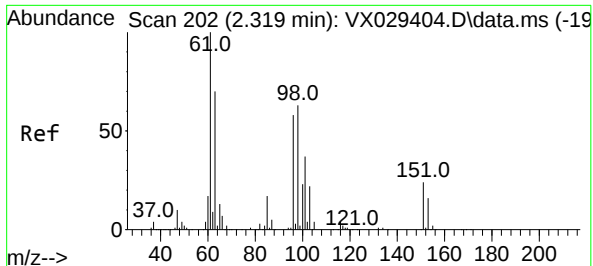
Tgt Ion: 85 Resp: 2550
Ion Ratio Lower Upper
85 100
87 26.0 25.9 38.9



#6
Bromomethane
Concen: 1.098 ug/L
RT: 1.617 min Scan# 87
Delta R.T. 0.006 min
Lab File: VX029407.D
Acq: 13 Jun 2022 12:13

Tgt Ion: 94 Resp: 1712
Ion Ratio Lower Upper
94 100
96 101.4 64.9 120.5

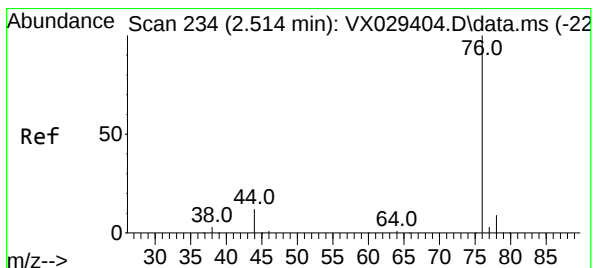
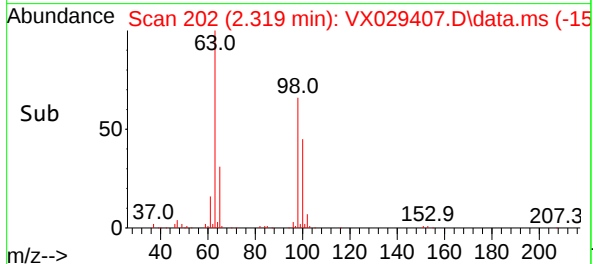
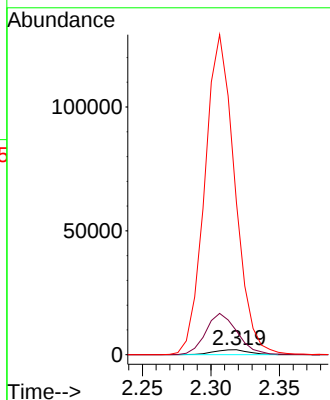
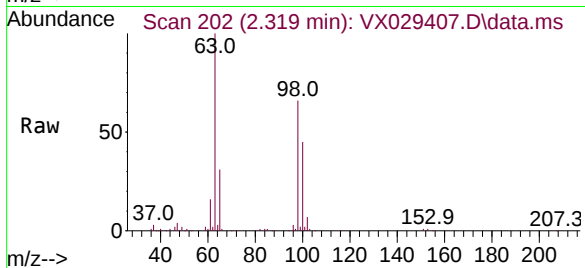




#12
1,1-Dichloroethene
Concen: 1.376 ug/L
RT: 2.319 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX029407.D
Acq: 13 Jun 2022 12:13

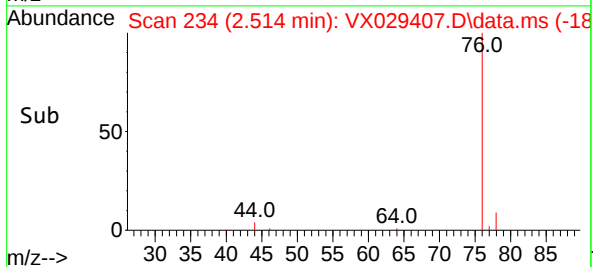
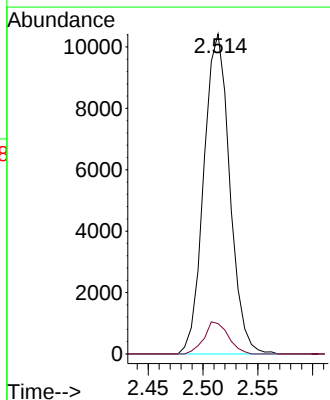
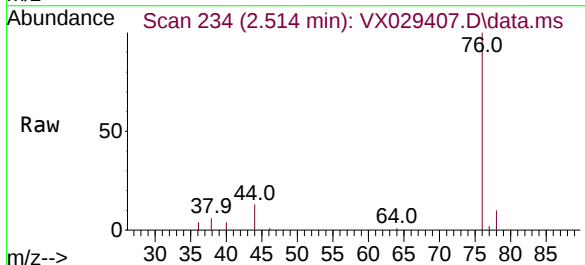
Instrument :
MSVOA_X
ClientSampleId :
VIBLK642

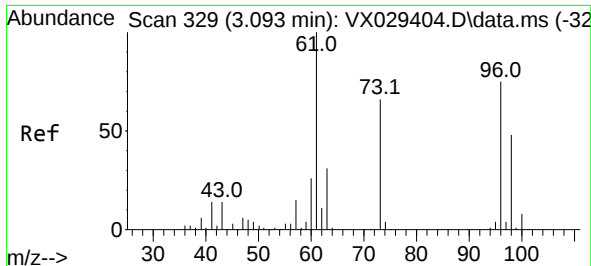
Tgt Ion: 96 Resp: 3559
Ion Ratio Lower Upper
96 100
61 480.4 118.2 219.4#
63 3067.5 109.6 203.4#



#14
Carbon disulfide
Concen: 2.420 ug/L
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX029407.D
Acq: 13 Jun 2022 12:13

Tgt Ion: 76 Resp: 17168
Ion Ratio Lower Upper
76 100
78 9.5 7.1 10.7

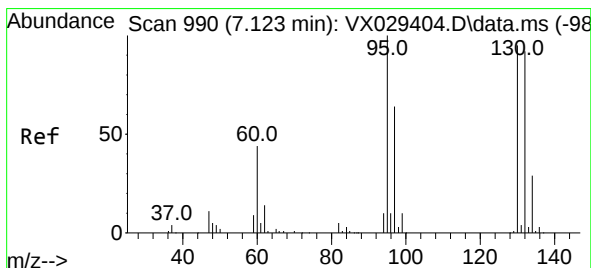
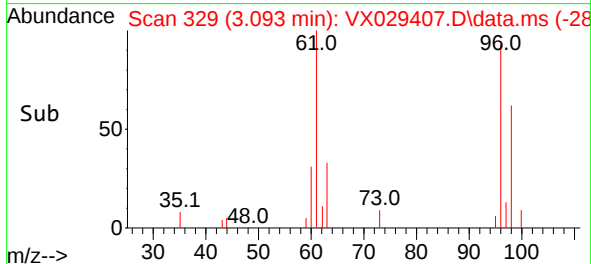
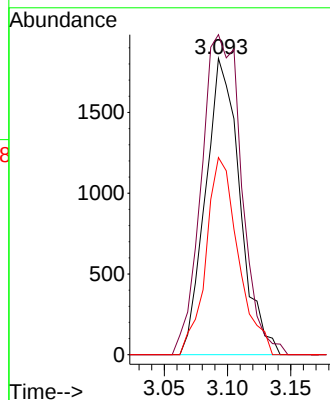
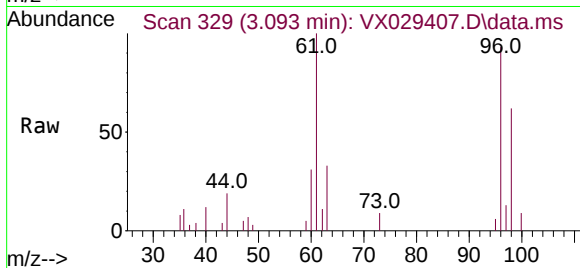




#17
trans-1,2-Dichloroethene
Concen: 1.251 ug/L
RT: 3.093 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX029407.D
Acq: 13 Jun 2022 12:13

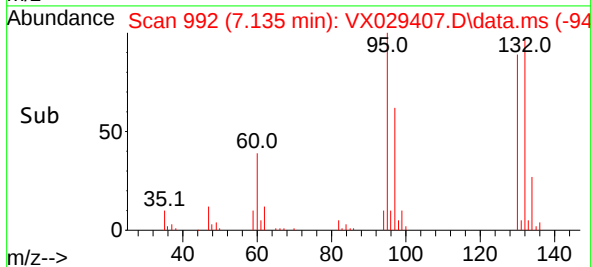
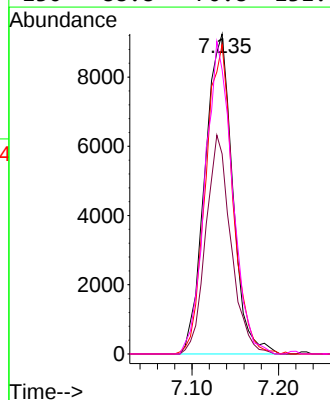
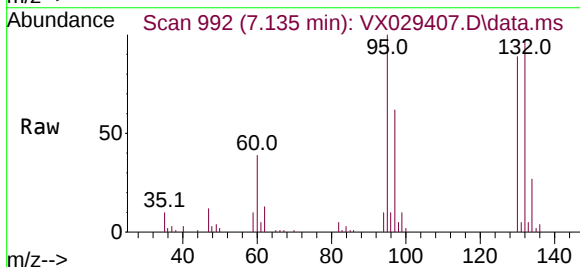
Instrument :
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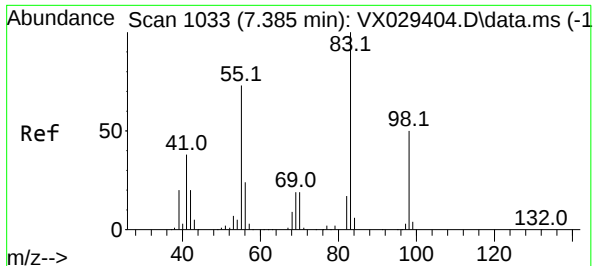
Tgt Ion: 96 Resp: 3466
Ion Ratio Lower Upper
96 100
61 108.0 93.0 172.6
98 66.5 44.3 82.3



#34
Trichloroethene
Concen: 5.185 ug/L
RT: 7.135 min Scan# 992
Delta R.T. 0.012 min
Lab File: VX029407.D
Acq: 13 Jun 2022 12:13

Tgt Ion: 95 Resp: 20577
Ion Ratio Lower Upper
95 100
97 62.5 45.5 84.5
132 96.7 69.9 129.7
130 88.8 70.8 131.6





#35

Methylcyclohexane

Concen: 0.665 ug/L

RT: 7.379 min Scan# 1033

Delta R.T. -0.006 min

Lab File: VX029407.D

Acq: 13 Jun 2022 12:13

Instrument :

MSVOA_X

ClientSampleId :

VIBLK642

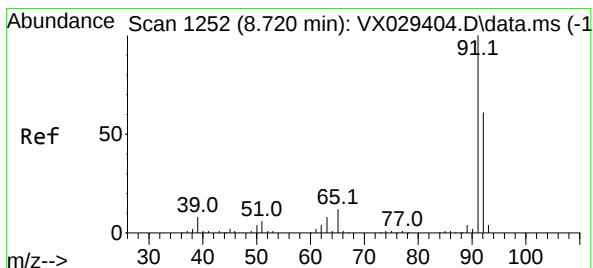
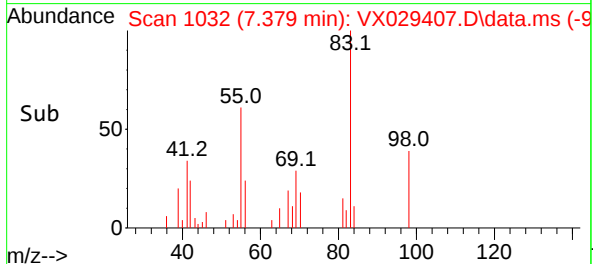
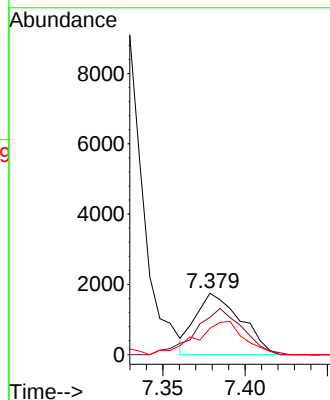
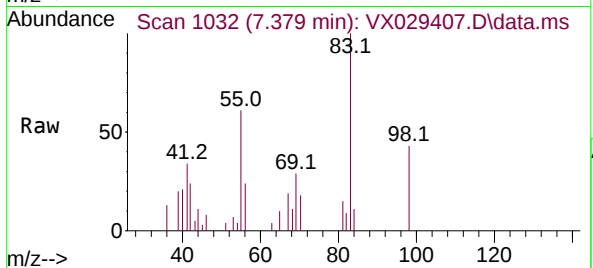
Tgt Ion: 83 Resp: 3331

Ion Ratio Lower Upper

83 100

55 78.2 60.6 90.8

98 57.3 39.8 59.8



#42

Toluene

Concen: 1.075 ug/L

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX029407.D

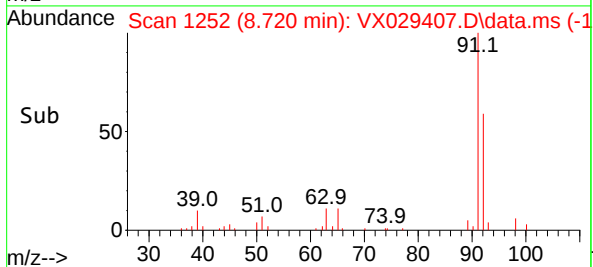
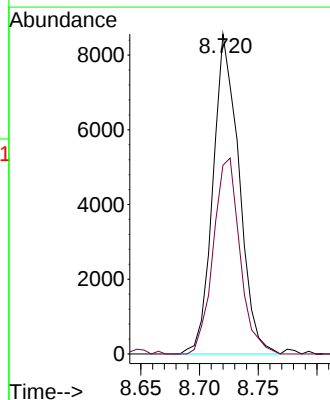
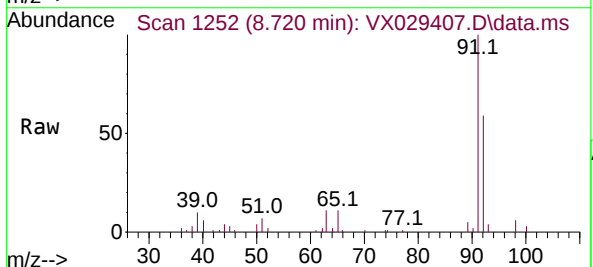
Acq: 13 Jun 2022 12:13

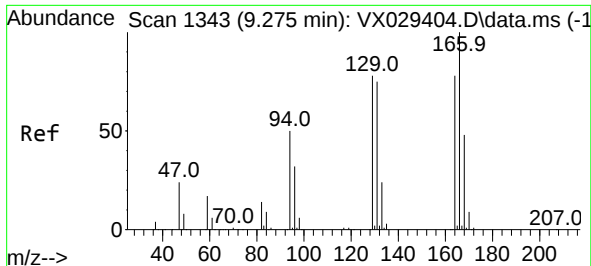
Tgt Ion: 91 Resp: 13184

Ion Ratio Lower Upper

91 100

92 59.0 41.5 77.1

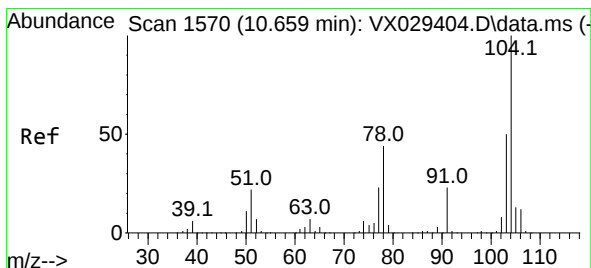
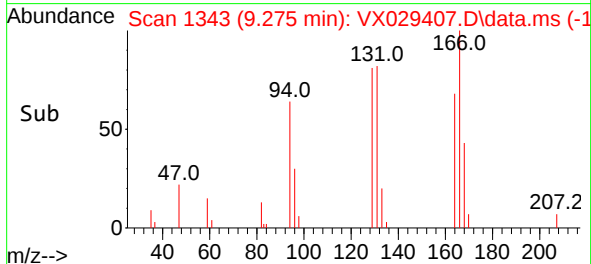
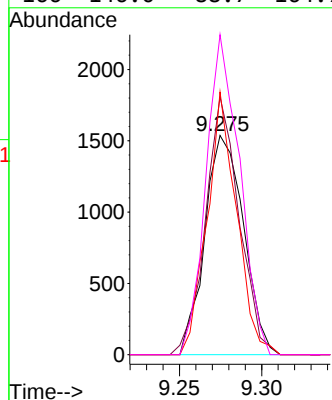
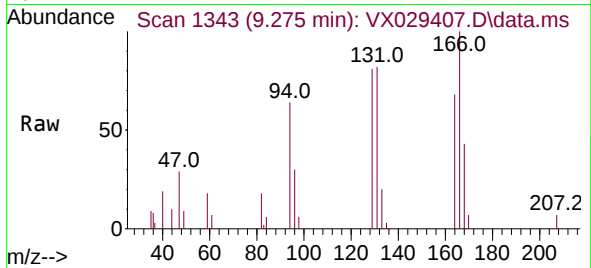




#46
Tetrachloroethene
Concen: 1.105 ug/L
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029407.D
Acq: 13 Jun 2022 12:13

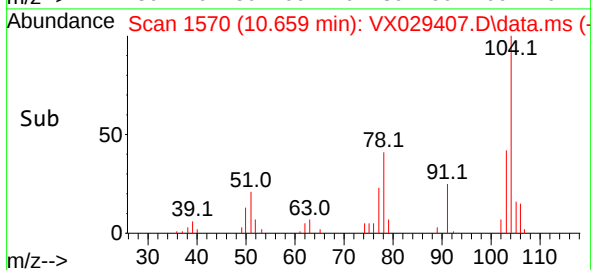
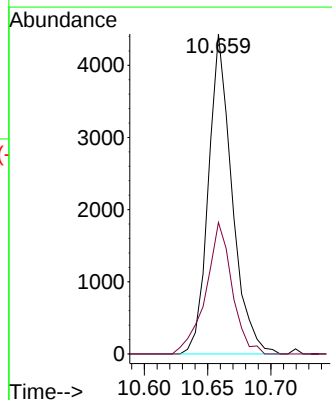
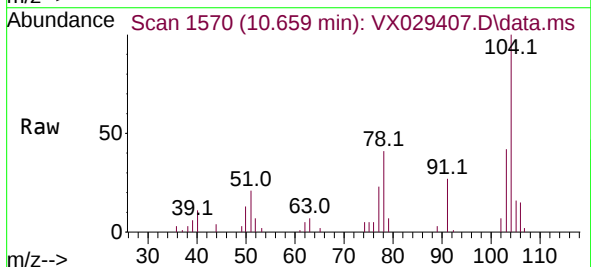
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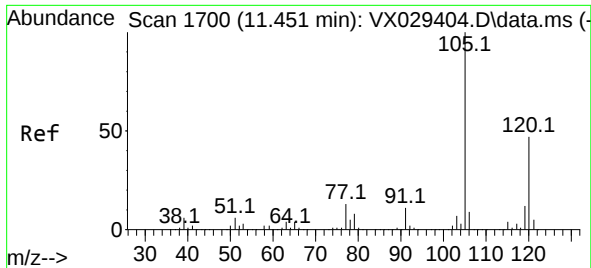
Tgt Ion:164	Resp:	2517
Ion Ratio	Lower	Upper
164	100	
129	117.7	65.5 121.7
131	119.8	64.3 119.3#
166	146.0	88.7 164.7



#55
Styrene
Concen: 0.658 ug/L
RT: 10.659 min Scan# 1570
Delta R.T. -0.000 min
Lab File: VX029407.D
Acq: 13 Jun 2022 12:13

Tgt Ion:104	Resp:	5755
Ion Ratio	Lower	Upper
104	100	
78	41.1	33.3 61.9





#62

1,3,5-Trimethylbenzene

Concen: 0.831 ug/L

RT: 11.457 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX029407.D

Acq: 13 Jun 2022 12:13

Instrument :

MSVOA_X

ClientSampleId :

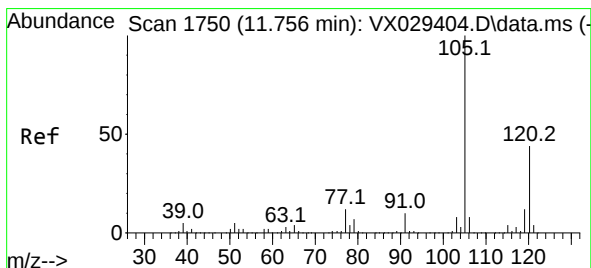
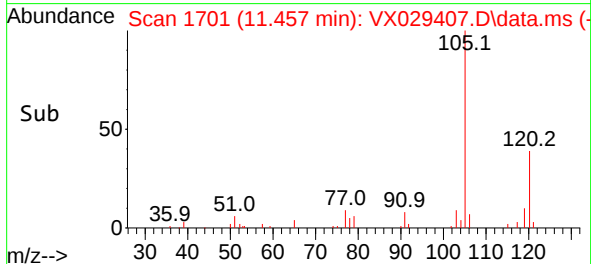
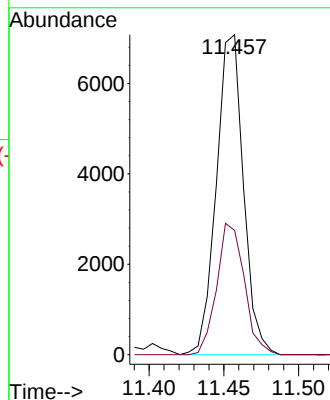
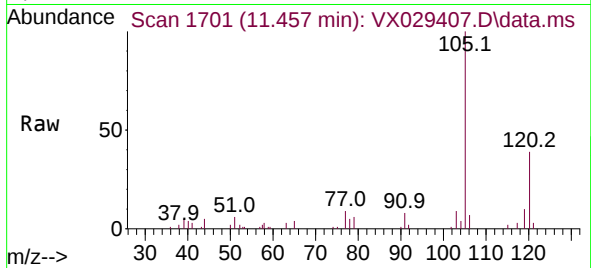
VIBLK642

Tgt Ion:105 Resp: 8927

Ion Ratio Lower Upper

105 100

120 41.7 39.1 58.7



#63

1,2,4-Trimethylbenzene

Concen: 0.918 ug/L

RT: 11.756 min Scan# 1750

Delta R.T. -0.000 min

Lab File: VX029407.D

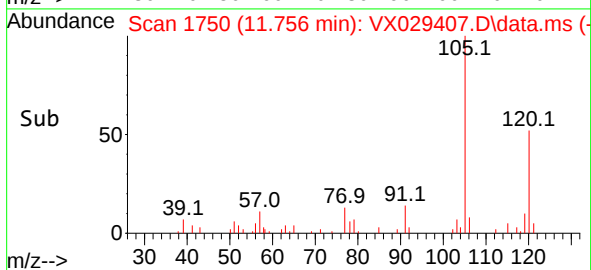
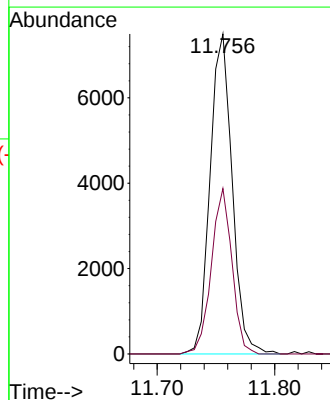
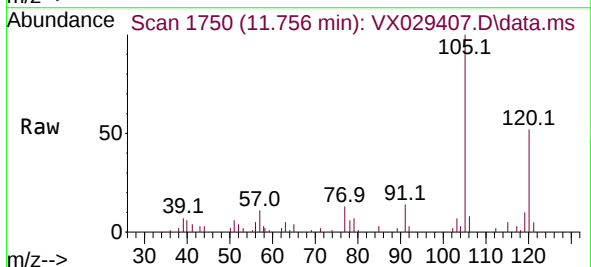
Acq: 13 Jun 2022 12:13

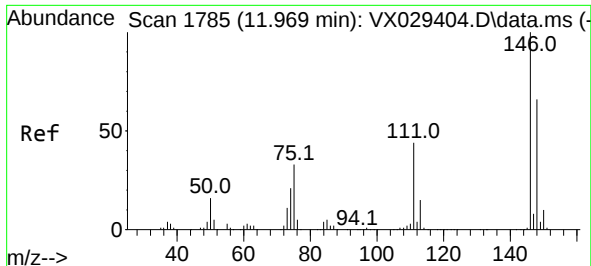
Tgt Ion:105 Resp: 9786

Ion Ratio Lower Upper

105 100

120 48.3 36.1 54.1

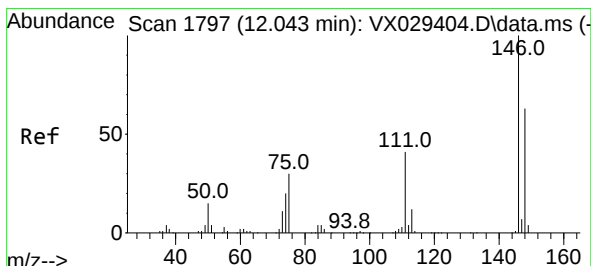
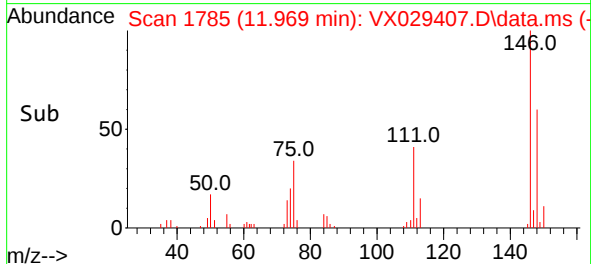
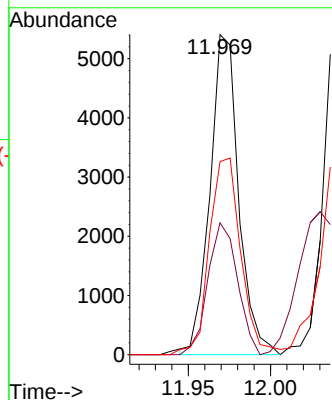
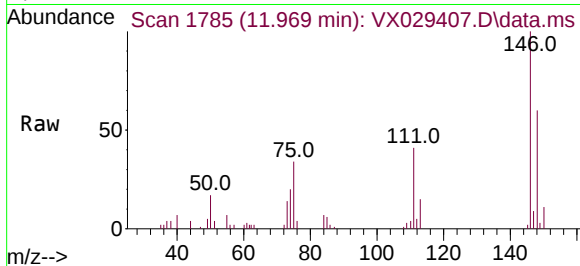




#64
1,3-Dichlorobenzene
Concen: 1.262 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX029407.D
Acq: 13 Jun 2022 12:13

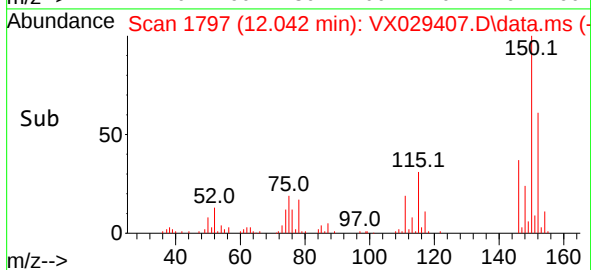
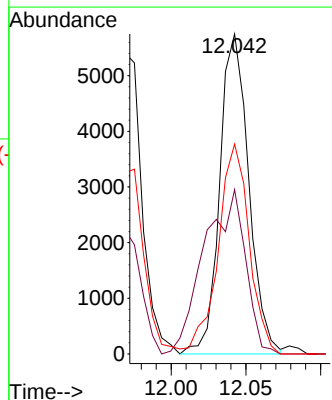
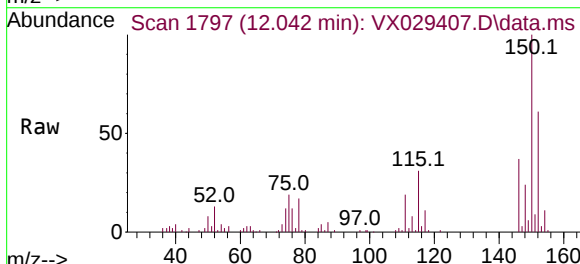
Instrument :
MSVOA_X
ClientSampleId :
VIBLK642

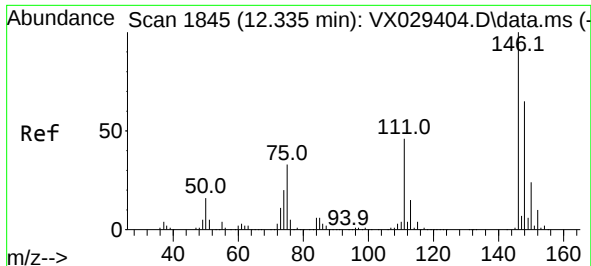
Tgt Ion:146 Resp: 6573
Ion Ratio Lower Upper
146 100
111 41.2 28.3 52.7
148 60.4 43.8 81.4



#65
1,4-Dichlorobenzene
Concen: 1.473 ug/L
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX029407.D
Acq: 13 Jun 2022 12:13

Tgt Ion:146 Resp: 7746
Ion Ratio Lower Upper
146 100
111 51.3 26.5 49.3#
148 65.6 43.5 80.7





#67

1,2-Dichlorobenzene

Concen: 1.015 ug/L

RT: 12.335 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX029407.D

Acq: 13 Jun 2022 12:13

Instrument :

MSVOA_X

ClientSampleId :

VIBLK642

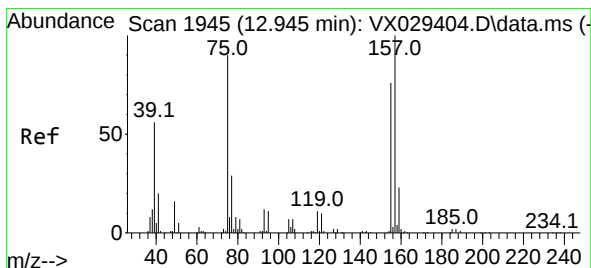
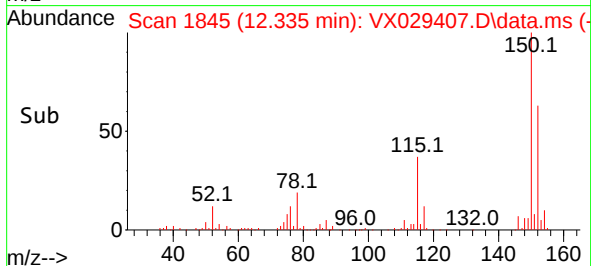
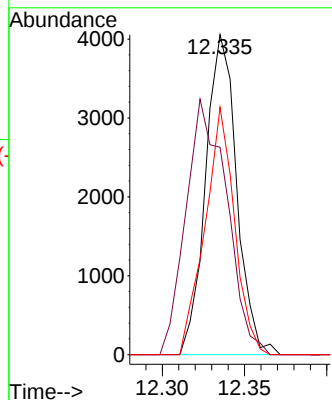
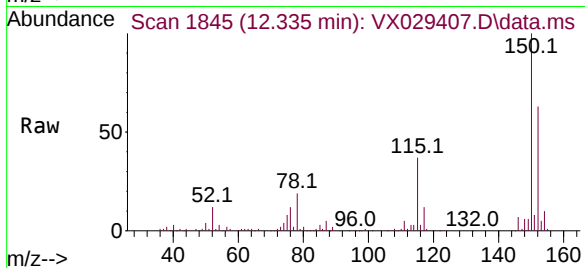
Tgt Ion:146 Resp: 5332

Ion Ratio Lower Upper

146 100

111 64.9 34.5 51.7#

148 77.3 51.9 77.9



#68

1,2-Dibromo-3-chloropropane

Concen: 1.410 ug/L

RT: 13.109 min Scan# 1972

Delta R.T. 0.164 min

Lab File: VX029407.D

Acq: 13 Jun 2022 12:13

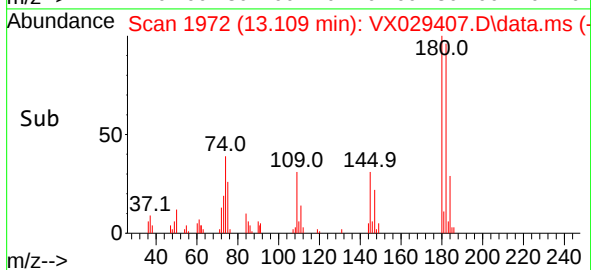
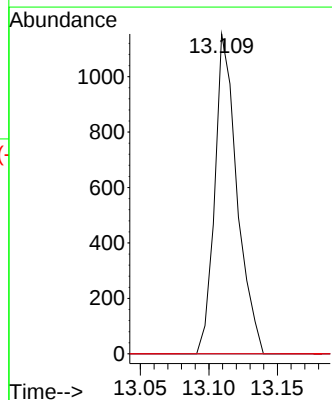
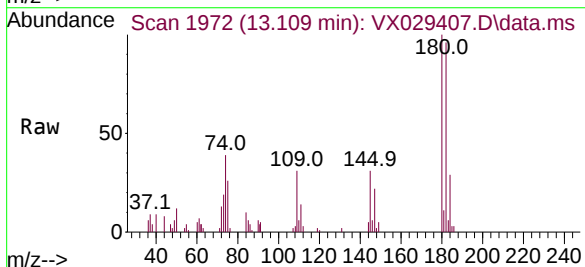
Tgt Ion: 75 Resp: 1306

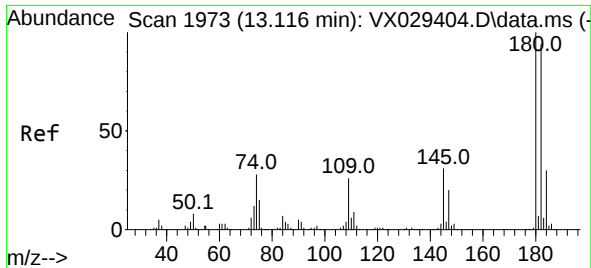
Ion Ratio Lower Upper

75 100

155 0.0 71.6 107.4#

157 0.0 93.8 140.6#

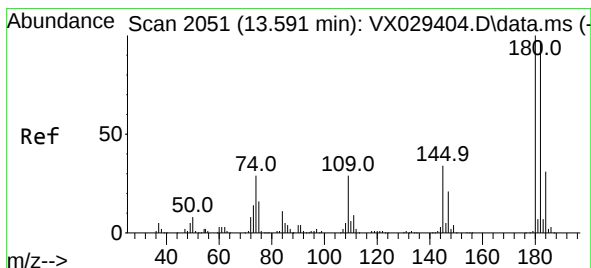
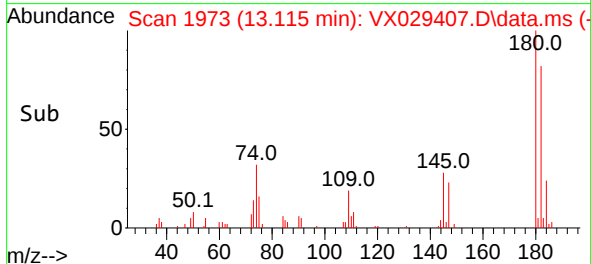
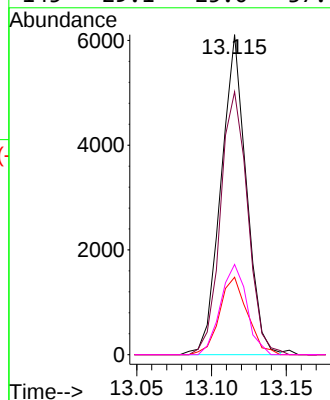
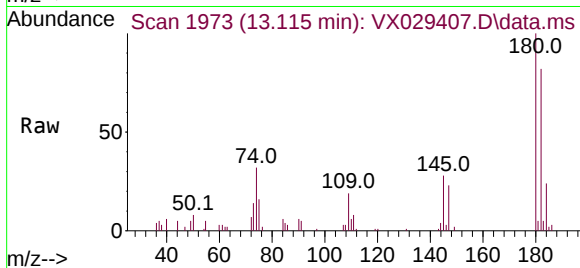




#69
 1,3,5-Trichlorobenzene
 Concen: 2.021 ug/L
 RT: 13.115 min Scan# 1973
 Delta R.T. -0.000 min
 Lab File: VX029407.D
 Acq: 13 Jun 2022 12:13

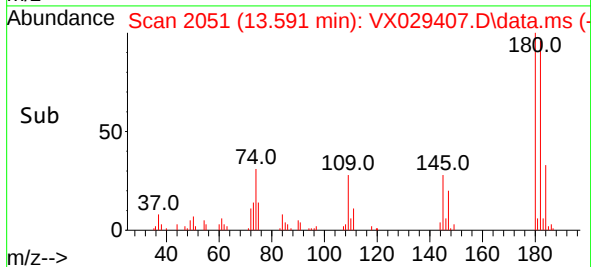
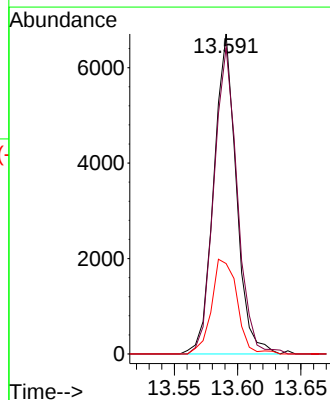
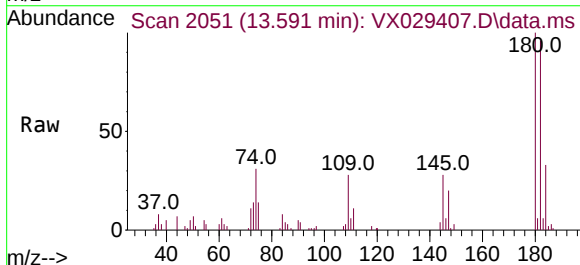
Instrument :
 MSVOA_X
 ClientSampleId :
 VIBLK642

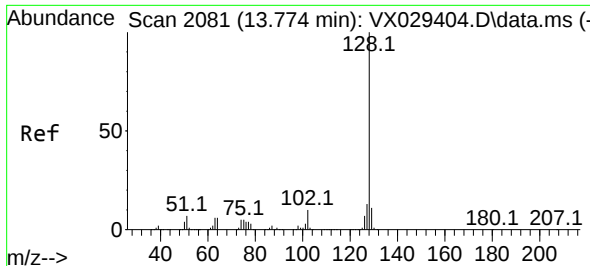
Tgt Ion:180	Resp:	7205
Ion Ratio	Lower	Upper
180	100	
182	88.0	75.6 113.4
184	26.6	23.6 35.4
145	29.1	25.0 37.4



#70
 1,2,4-trichlorobenzene
 Concen: 2.582 ug/L
 RT: 13.591 min Scan# 2051
 Delta R.T. -0.000 min
 Lab File: VX029407.D
 Acq: 13 Jun 2022 12:13

Tgt Ion:180	Resp:	8292
Ion Ratio	Lower	Upper
180	100	
182	98.9	75.4 113.2
145	33.1	25.0 37.4

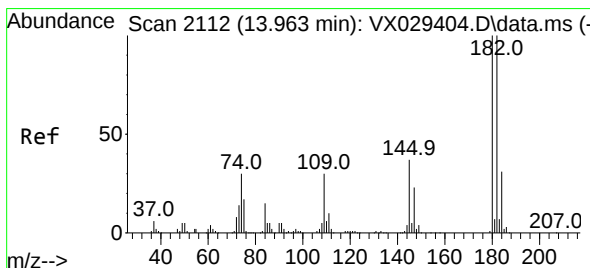
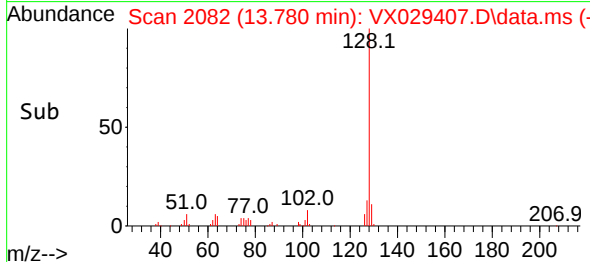
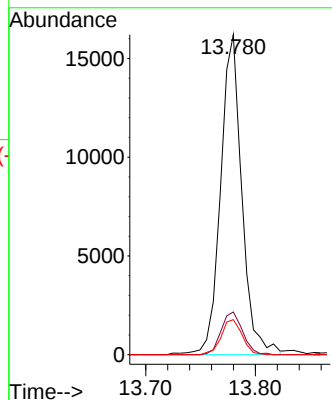
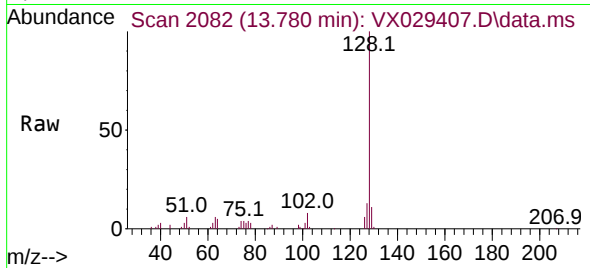




#71
Naphthalene
Concen: 1.845 ug/L
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX029407.D
Acq: 13 Jun 2022 12:13

Instrument :
MSVOA_X
ClientSampleId :
VIBLK642

Tgt Ion:	128	Resp:	21821
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.2	15.2
129	10.8	8.8	13.2



#72
1,2,3-Trichlorobenzene
Concen: 2.344 ug/L
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX029407.D
Acq: 13 Jun 2022 12:13

Tgt Ion:	180	Resp:	7605
Ion Ratio	Lower	Upper	
180	100		
182	96.2	77.0	115.4
145	38.2	27.4	41.0

