

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112221\
 Data File : VX025256.D
 Acq On : 22 Nov 2021 17:00
 Operator : JC/MD
 Sample : M4642-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 23 01:22:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML112221WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 23 01:15:08 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	173923	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	163674	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	82061	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	44712	37.670	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.340%
7) Chloroethane-d5	1.648	69	39715	40.541	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.080%
11) 1,1-Dichloroethene-d2	2.300	63	64078	33.858	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.720%
21) 2-Butanone-d5	4.458	46	84754	95.923	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.920%
24) Chloroform-d	5.056	84	91048	43.891	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.780%
26) 1,2-Dichloroethane-d4	5.958	65	58691	45.391	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.780%
32) Benzene-d6	5.970	84	185529	42.770	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.540%
36) 1,2-Dichloropropane-d6	7.305	67	57946	43.145	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.280%
41) Toluene-d8	8.647	98	169790	41.468	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.940%
43) trans-1,3-Dichloroprop...	8.952	79	29025	42.985	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.960%
47) 2-Hexanone-d5	9.384	63	65673	93.937	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.940%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	87936	46.328	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.660%
66) 1,2-Dichlorobenzene-d4	12.323	152	72126	44.813	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.620%
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	24968	23.702	ug/L	97
8) Chloroethane	1.672	64	13563	16.555	ug/L	99
12) 1,1-Dichloroethene	2.312	96	16474	17.639	ug/L #	60
13) Acetone	2.386	43	60064	82.674	ug/L	99
16) Methylene chloride	2.788	84	36515	33.804	ug/L	99
19) 1,1-Dichloroethane	3.611	63	34681	19.260	ug/L	97
22) 2-Butanone	4.556	43	51825	53.938	ug/L	97
25) Chloroform	5.092	83	60998	31.128	ug/L	98
27) 1,2-Dichloroethane	6.086	62	54211	38.035	ug/L	99
31) Carbon tetrachloride	5.672	117	29589	18.339	ug/L	99
33) Benzene	6.037	78	87554	20.024	ug/L	100
34) Trichloroethene	7.129	95	54500	47.389	ug/L	99
37) 1,2-Dichloropropane	7.427	63	22114	20.163	ug/L	99
40) 4-Methyl-2-pentanone	8.574	43	73836	42.161	ug/L	99
44) trans-1,3-Dichloropropene	8.945	75	1506	0.877	ug/L	99
45) 1,1,2-Trichloroethane	9.153	97	23525	20.213	ug/L	98
48) 2-Hexanone	9.433	43	75024	53.339	ug/L	98
54) o-Xylene	10.646	106	104346	49.656	ug/L	100
55) Styrene	10.659	104	91589	26.230	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112221\
 Data File : VX025256.D
 Acq On : 22 Nov 2021 17:00
 Operator : JC/MD
 Sample : M4642-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 23 01:22:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML112221WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 23 01:15:08 2021
 Response via : Initial Calibration

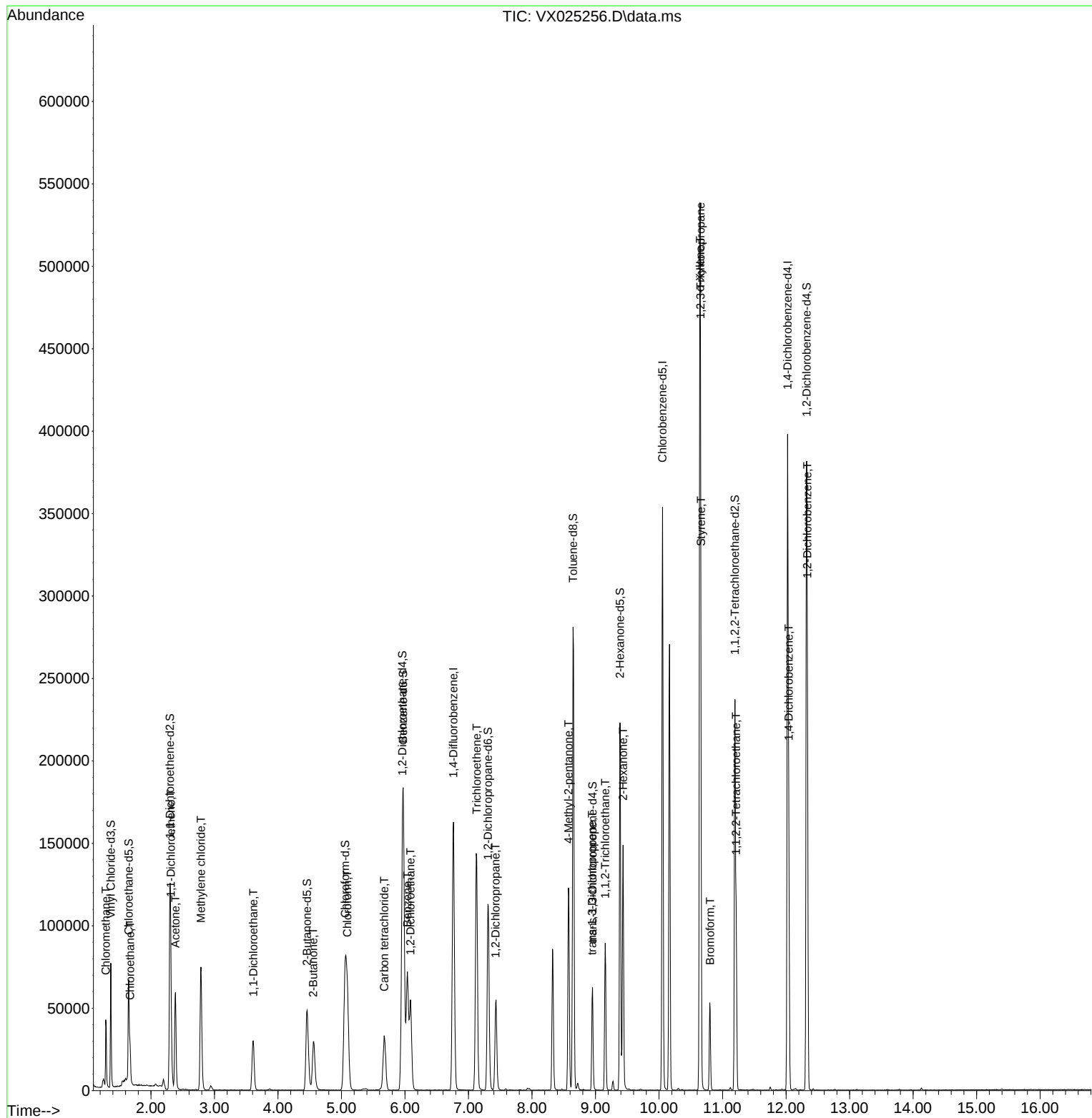
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) 1,1,2,2-Tetrachloroethane	11.213	83	37032	20.606	ug/L	97
59) Bromoform	10.805	173	19887	19.641	ug/L	99
61) 1,2,3-Trichloropropane	10.652	75	5864	4.177	ug/L #	1
65) 1,4-Dichlorobenzene	12.042	146	50589	20.681	ug/L	99
67) 1,2-Dichlorobenzene	12.335	146	62301	25.443	ug/L	98

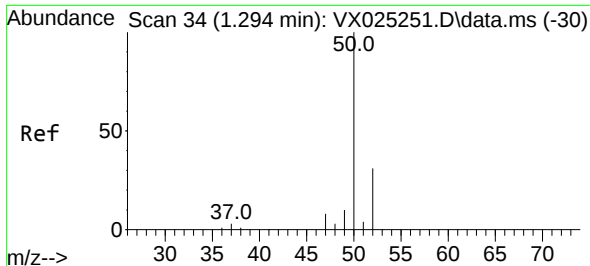
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112221\
Data File : VX025256.D
Acq On : 22 Nov 2021 17:00
Operator : JC/MD
Sample : M4642-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Nov 23 01:22:38 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM112221WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 23 01:15:08 2021
Response via : Initial Calibration

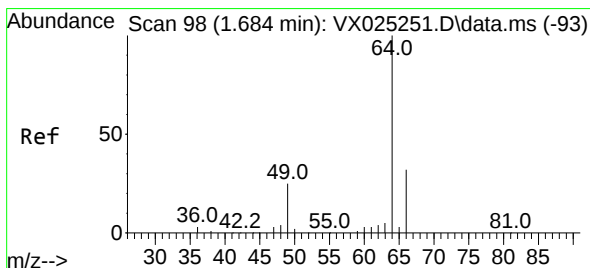
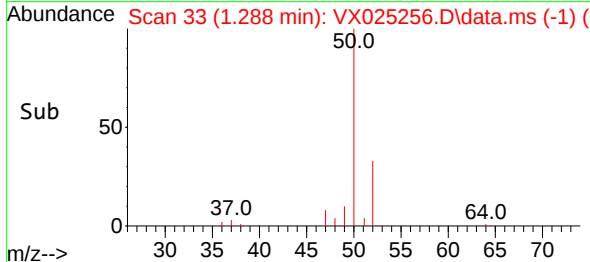
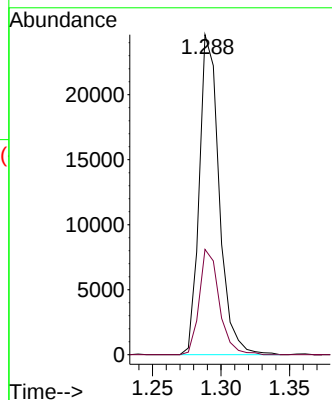
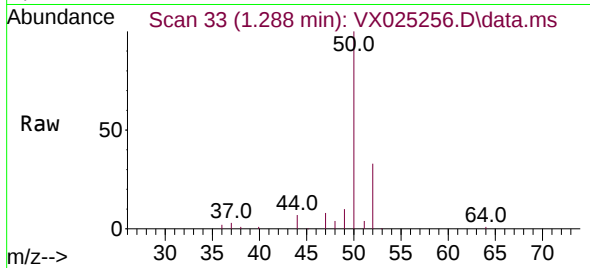




#3
Chloromethane
Concen: 23.702 ug/L
RT: 1.288 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX025256.D
Acq: 22 Nov 2021 17:00

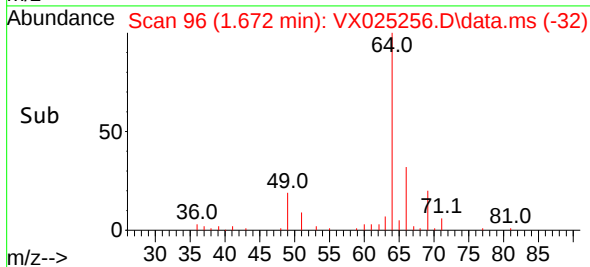
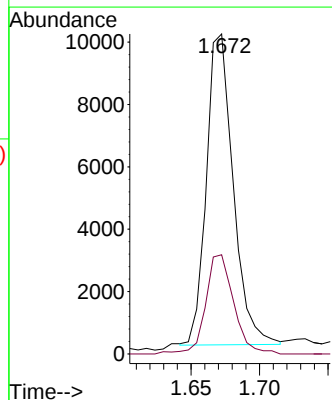
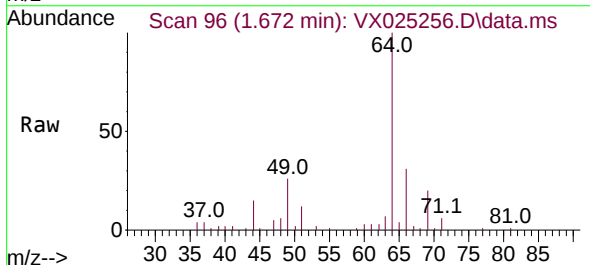
Instrument :
MSVOA_X
ClientSampleId :

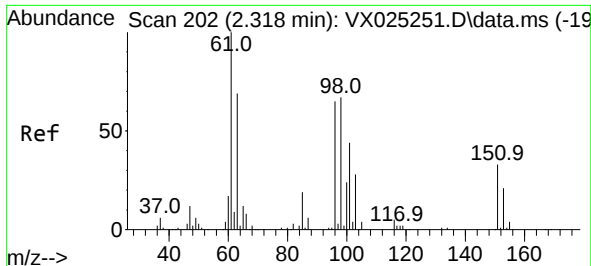
Tgt Ion: 50 Resp: 24968
Ion Ratio Lower Upper
50 100
52 32.9 22.0 40.8



#8
Chloroethane
Concen: 16.555 ug/L
RT: 1.672 min Scan# 96
Delta R.T. -0.012 min
Lab File: VX025256.D
Acq: 22 Nov 2021 17:00

Tgt Ion: 64 Resp: 13563
Ion Ratio Lower Upper
64 100
66 31.0 22.0 40.8





#12

1,1-Dichloroethene

Concen: 17.639 ug/L

RT: 2.312 min Scan# 20

Delta R.T. -0.006 min

Lab File: VX025256.D

Acq: 22 Nov 2021 17:00

Instrument :

MSVOA_X

ClientSampleId :

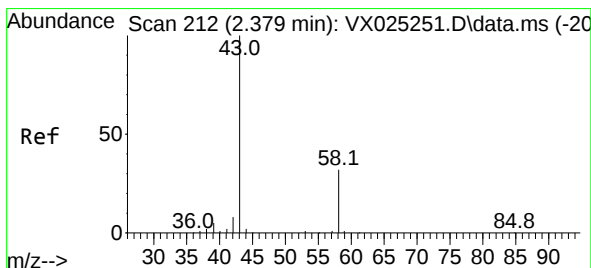
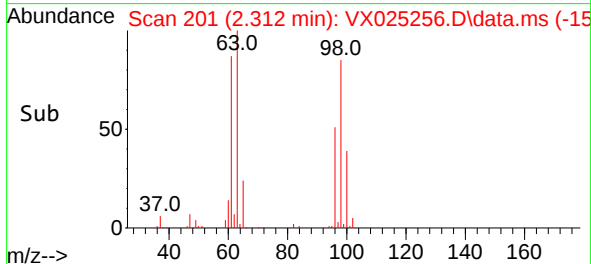
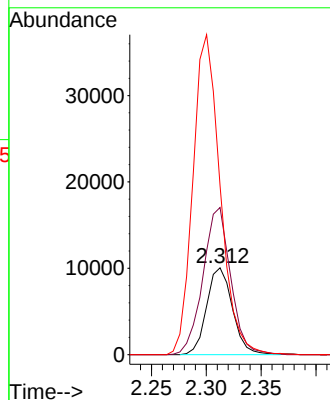
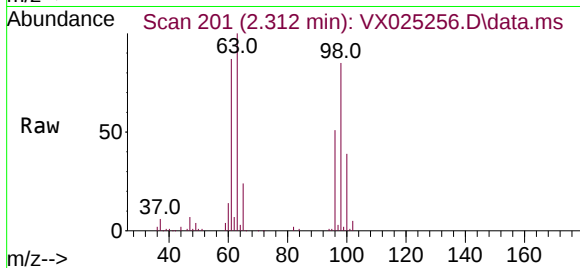
Tgt Ion: 96 Resp: 16474

Ion Ratio Lower Upper

96 100

61 169.5 108.7 201.9

63 195.0 76.3 141.7#



#13

Acetone

Concen: 82.674 ug/L

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX025256.D

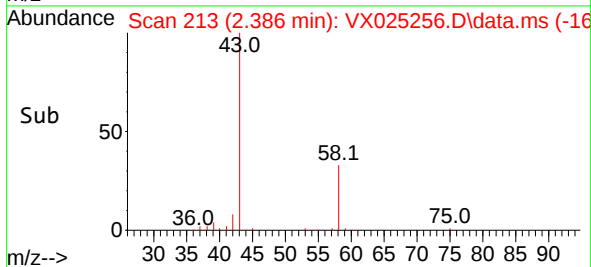
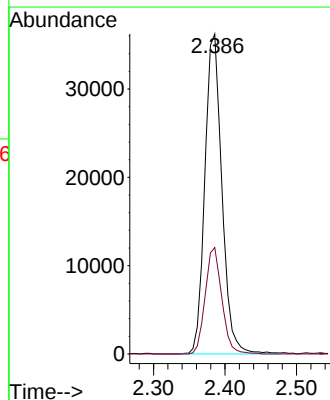
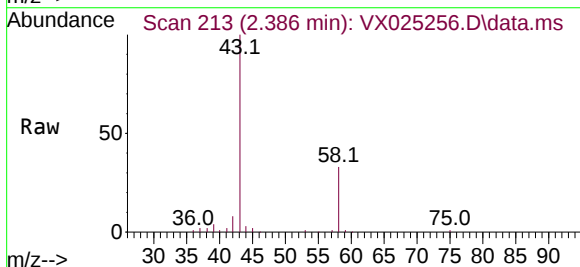
Acq: 22 Nov 2021 17:00

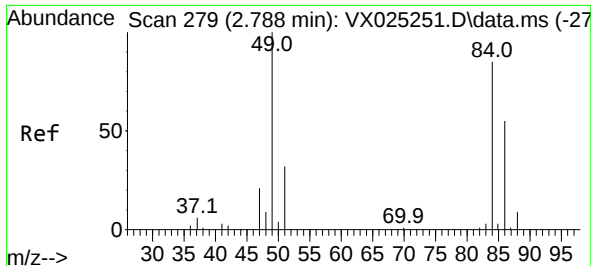
Tgt Ion: 43 Resp: 60064

Ion Ratio Lower Upper

43 100

58 32.4 0.0 65.6

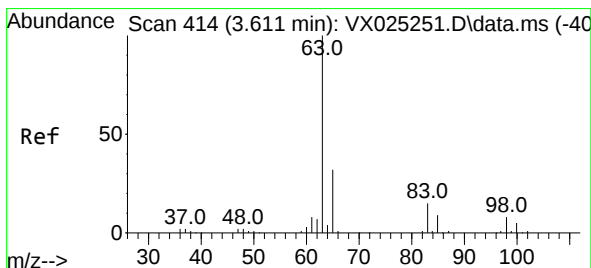
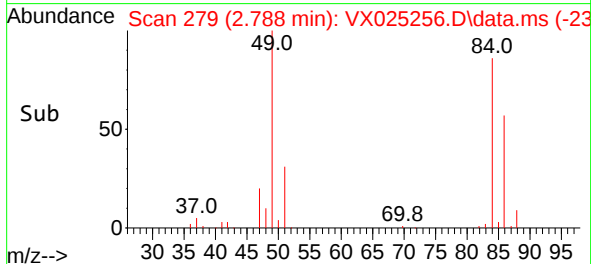
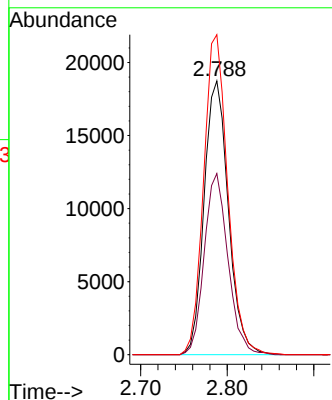
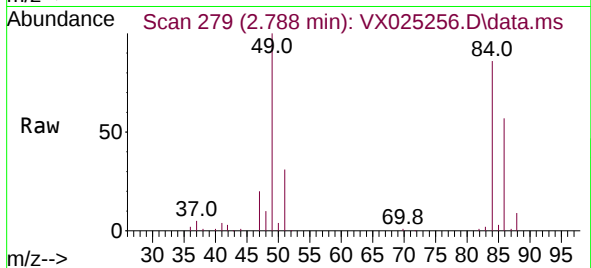




#16
Methylene chloride
Concen: 33.804 ug/L
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX025256.D
Acq: 22 Nov 2021 17:00

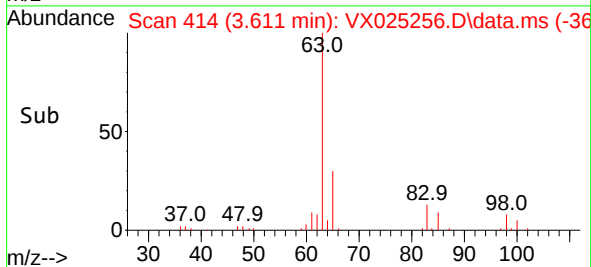
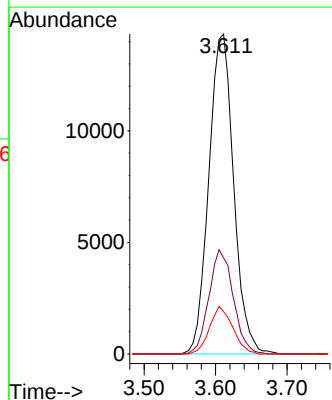
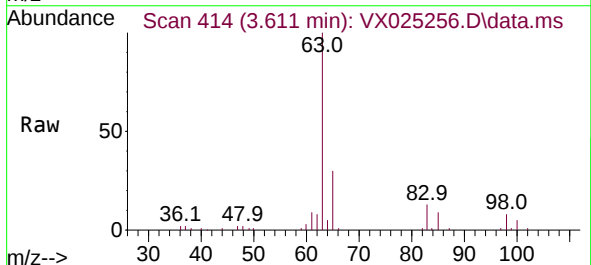
Instrument :
MSVOA_X
ClientSampleId :

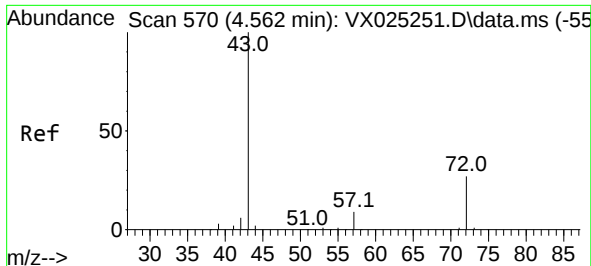
Tgt Ion: 84 Resp: 36515
Ion Ratio Lower Upper
84 100
86 66.1 45.1 83.9
49 116.9 82.3 152.8



#19
1,1-Dichloroethane
Concen: 19.260 ug/L
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX025256.D
Acq: 22 Nov 2021 17:00

Tgt Ion: 63 Resp: 34681
Ion Ratio Lower Upper
63 100
65 30.1 22.2 41.2
83 13.2 10.2 19.0

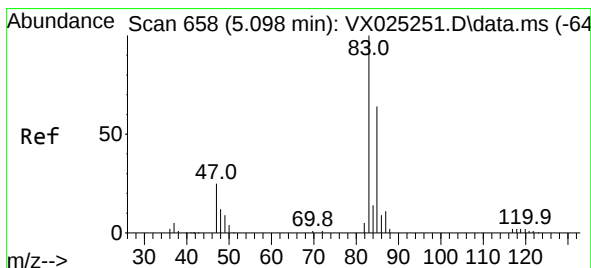
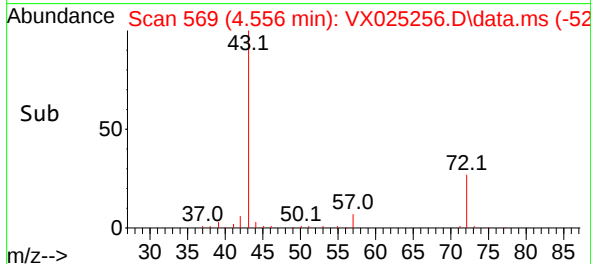
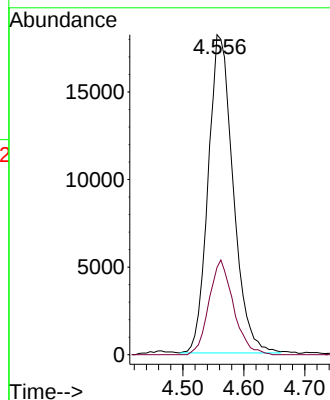
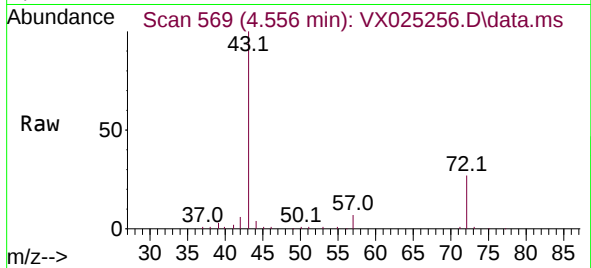




#22
2-Butanone
Concen: 53.938 ug/L
RT: 4.556 min Scan# 51825
Delta R.T. -0.006 min
Lab File: VX025256.D
Acq: 22 Nov 2021 17:00

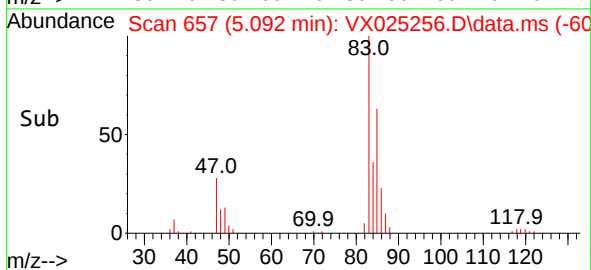
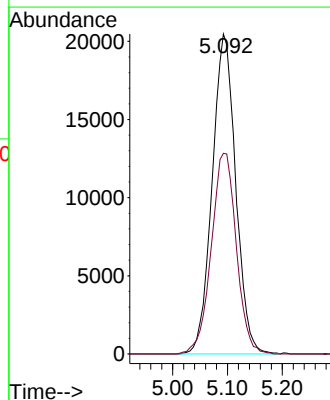
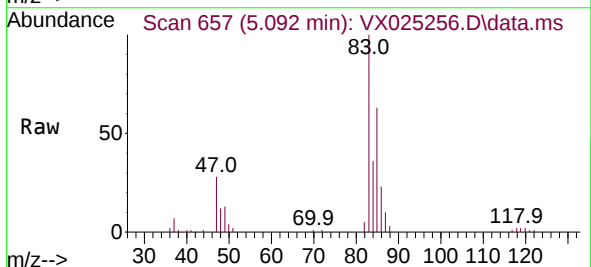
Instrument :
MSVOA_X
ClientSampleId :

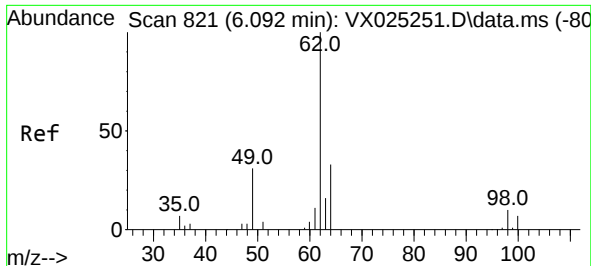
Tgt Ion: 43 Resp: 51825
Ion Ratio Lower Upper
43 100
72 29.1 13.8 41.3



#25
Chloroform
Concen: 31.128 ug/L
RT: 5.092 min Scan# 657
Delta R.T. -0.006 min
Lab File: VX025256.D
Acq: 22 Nov 2021 17:00

Tgt Ion: 83 Resp: 60998
Ion Ratio Lower Upper
83 100
85 62.7 44.9 83.5





#27

1,2-Dichloroethane

Concen: 38.035 ug/L

RT: 6.086 min Scan# 81

Delta R.T. -0.006 min

Lab File: VX025256.D

Acq: 22 Nov 2021 17:00

Instrument :

MSVOA_X

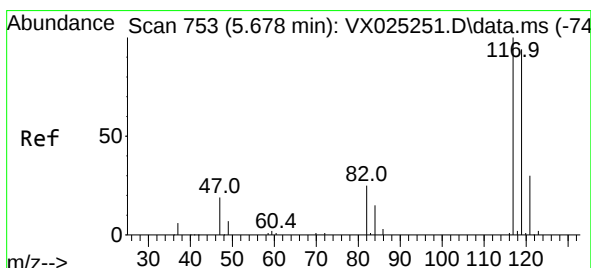
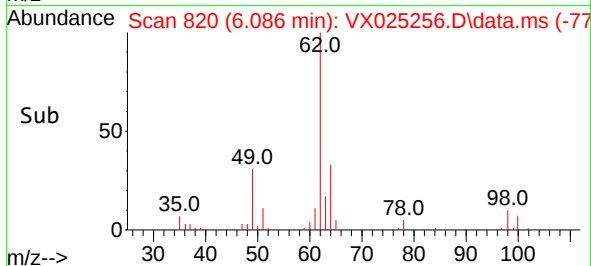
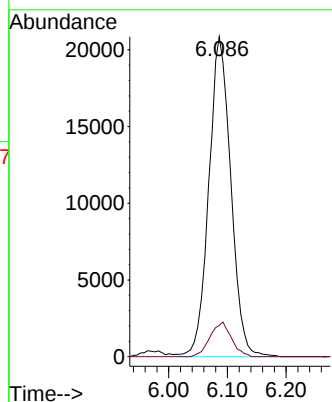
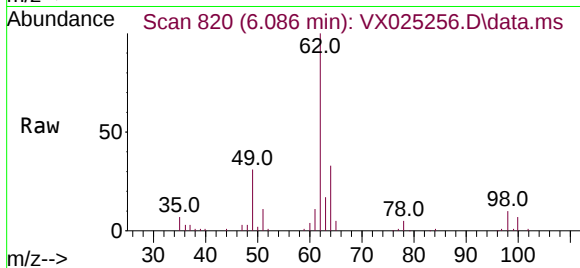
ClientSampleId :

Tgt Ion: 62 Resp: 54211

Ion Ratio Lower Upper

62 100

98 9.8 8.2 12.2



#31

Carbon tetrachloride

Concen: 18.339 ug/L

RT: 5.672 min Scan# 752

Delta R.T. -0.006 min

Lab File: VX025256.D

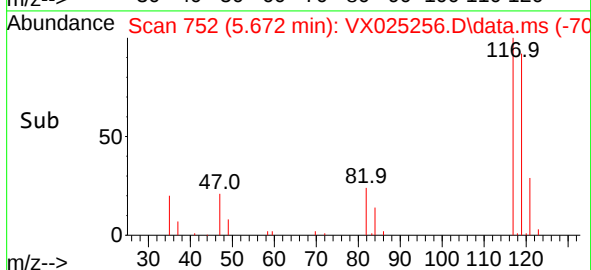
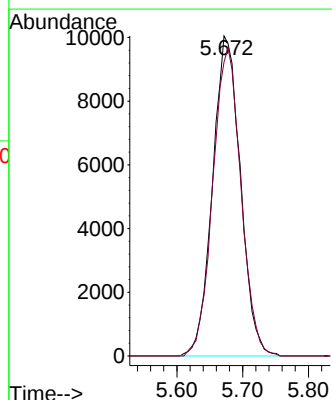
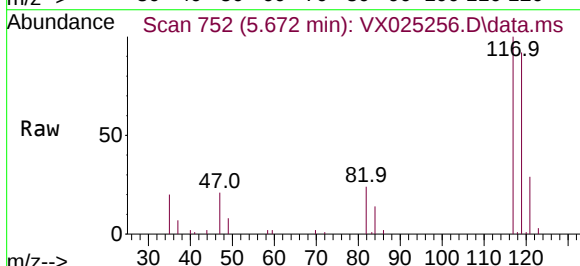
Acq: 22 Nov 2021 17:00

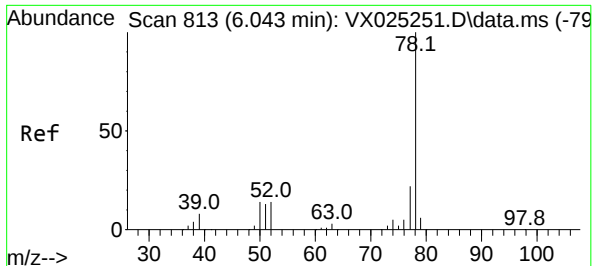
Tgt Ion: 117 Resp: 29589

Ion Ratio Lower Upper

117 100

119 97.3 76.8 115.2

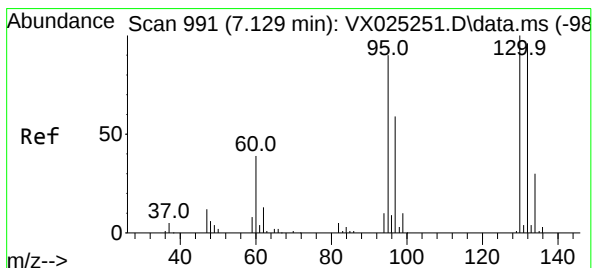
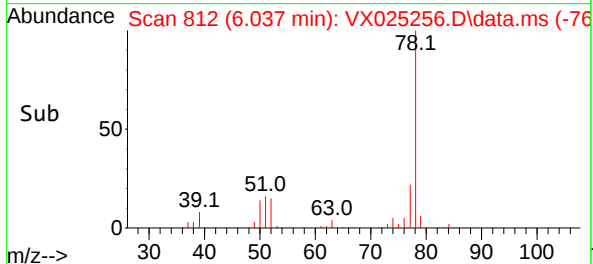
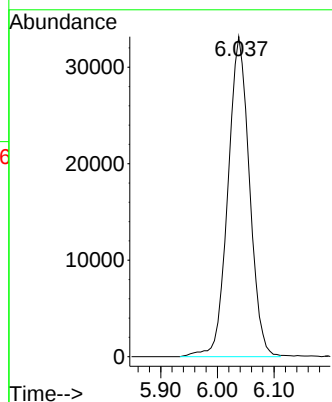
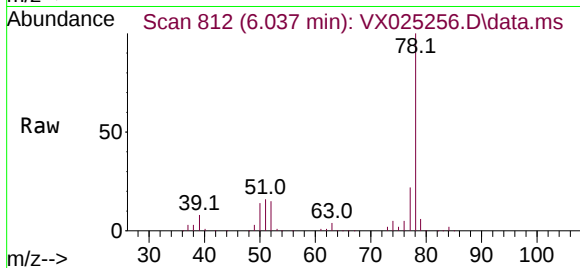




#33
Benzene
Concen: 20.024 ug/L
RT: 6.037 min Scan# 813
Delta R.T. -0.006 min
Lab File: VX025256.D
Acq: 22 Nov 2021 17:00

Instrument :
MSVOA_X
ClientSampleId :

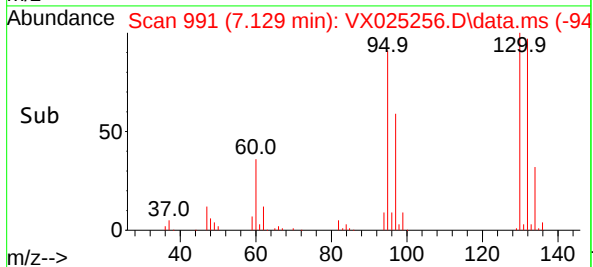
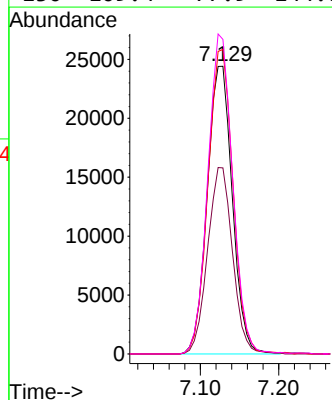
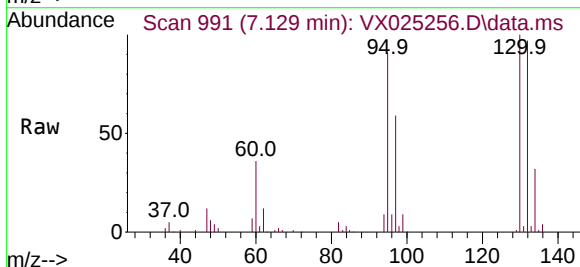
Tgt Ion: 78 Resp: 87554

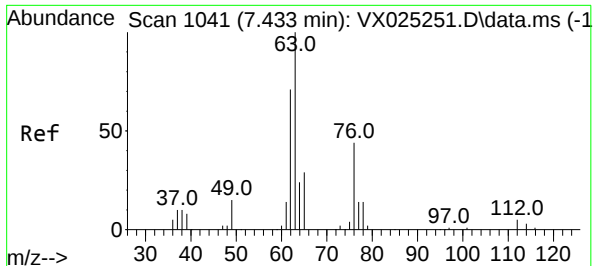


#34
Trichloroethene
Concen: 47.389 ug/L
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX025256.D
Acq: 22 Nov 2021 17:00

Tgt Ion: 95 Resp: 54500

Ion	Ratio	Lower	Upper
95	100		
97	64.7	46.0	85.4
132	105.9	75.0	139.2
130	109.4	77.9	144.7





#37

1,2-Dichloropropane

Concen: 20.163 ug/L

RT: 7.427 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VX025256.D

Acq: 22 Nov 2021 17:00

Instrument :

MSVOA_X

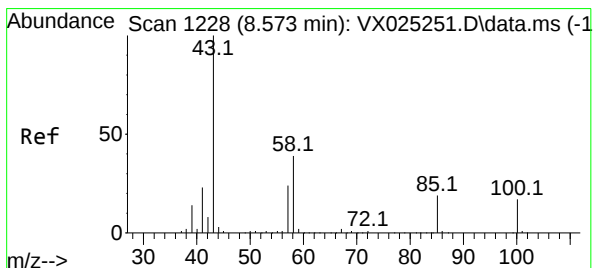
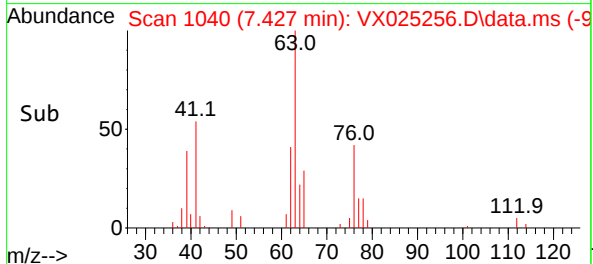
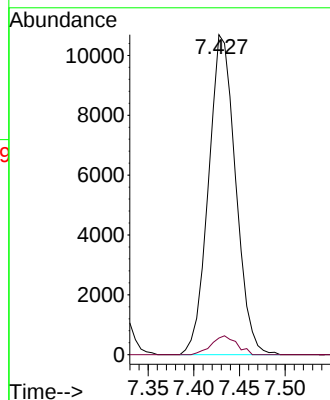
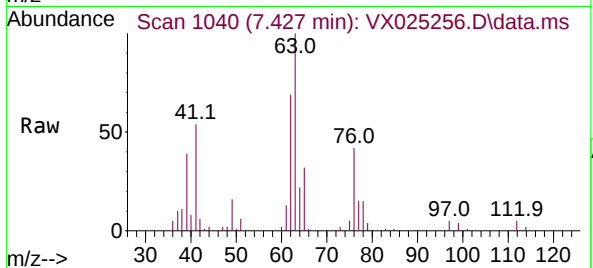
ClientSampleId :

Tgt Ion: 63 Resp: 22114

Ion Ratio Lower Upper

63 100

112 5.5 4.0 6.0



#40

4-Methyl-2-pentanone

Concen: 42.161 ug/L

RT: 8.574 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VX025256.D

Acq: 22 Nov 2021 17:00

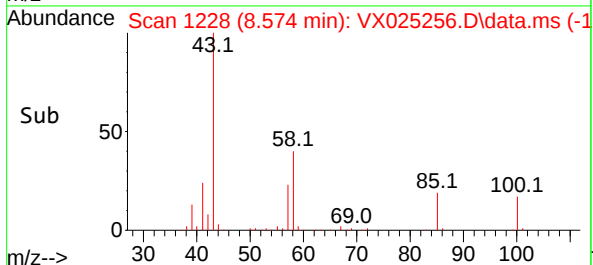
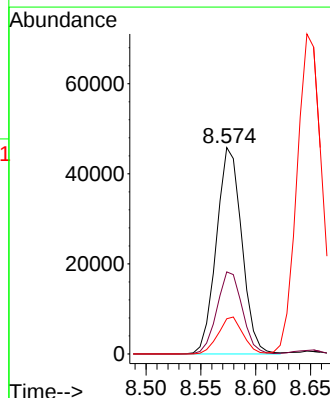
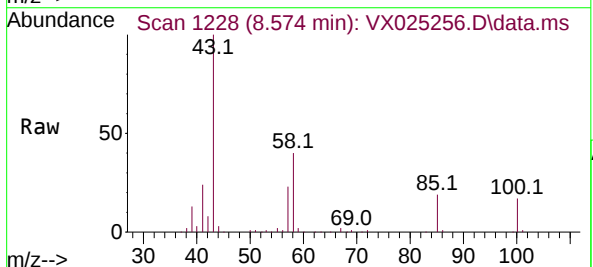
Tgt Ion: 43 Resp: 73836

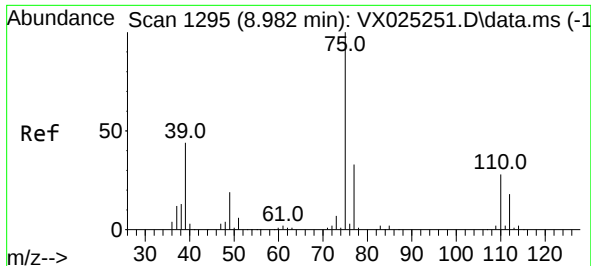
Ion Ratio Lower Upper

43 100

58 39.7 32.2 48.2

100 17.5 14.2 21.2

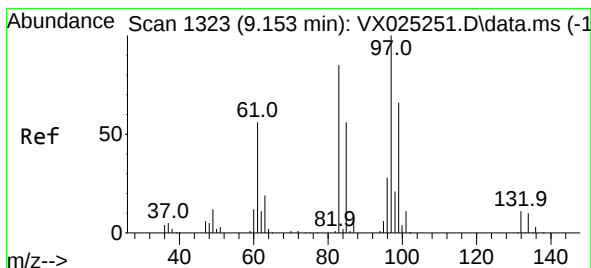
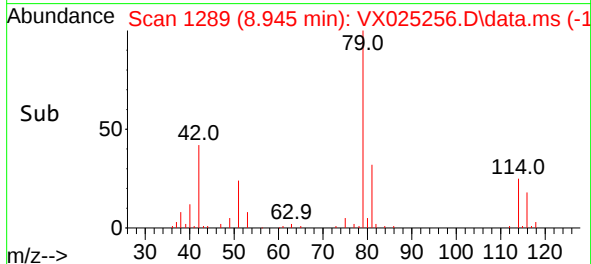
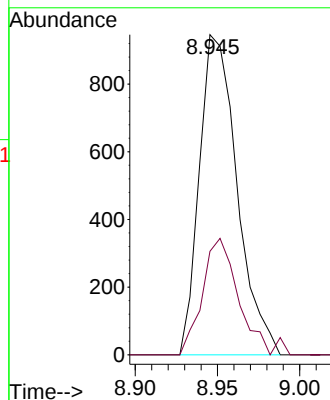
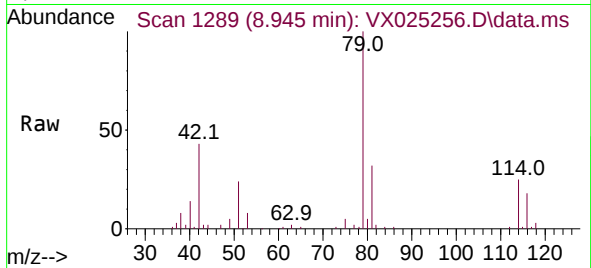




#44
trans-1,3-Dichloropropene
Concen: 0.877 ug/L
RT: 8.945 min Scan# 1289
Delta R.T. -0.036 min
Lab File: VX025256.D
Acq: 22 Nov 2021 17:00

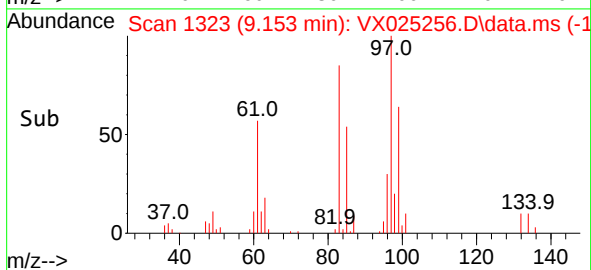
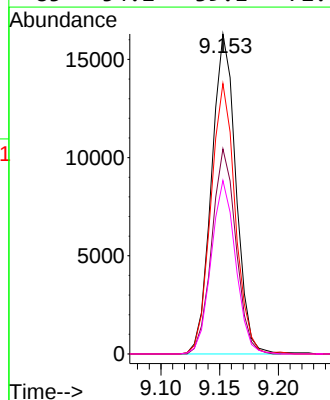
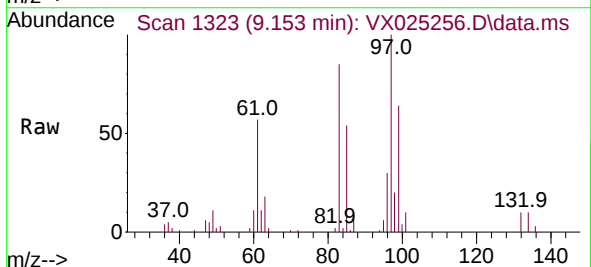
Instrument :
MSVOA_X
ClientSampleId :

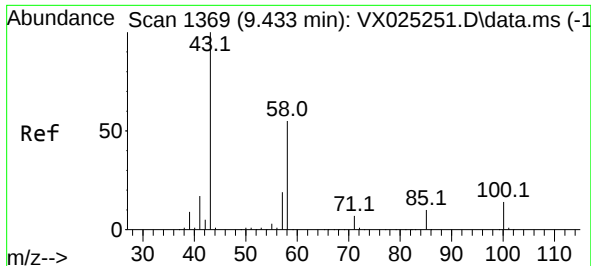
Tgt Ion: 75 Resp: 1506
Ion Ratio Lower Upper
75 100
77 32.3 23.0 42.8



#45
1,1,2-Trichloroethane
Concen: 20.213 ug/L
RT: 9.153 min Scan# 1323
Delta R.T. 0.000 min
Lab File: VX025256.D
Acq: 22 Nov 2021 17:00

Tgt Ion: 97 Resp: 23525
Ion Ratio Lower Upper
97 100
99 64.1 46.0 85.4
83 84.5 59.6 110.8
85 54.2 39.1 72.7

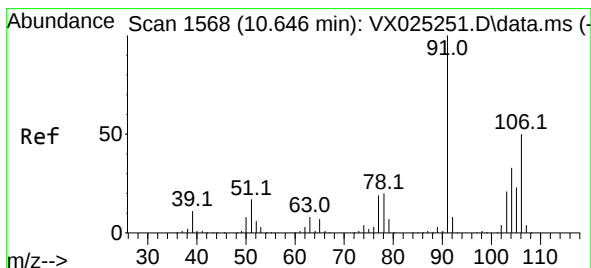
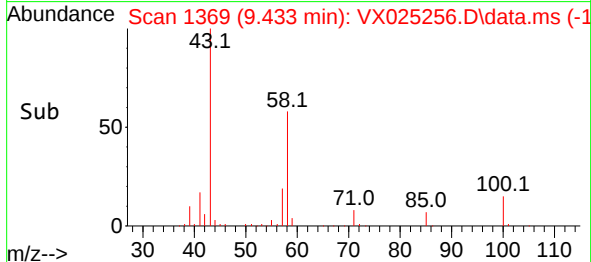
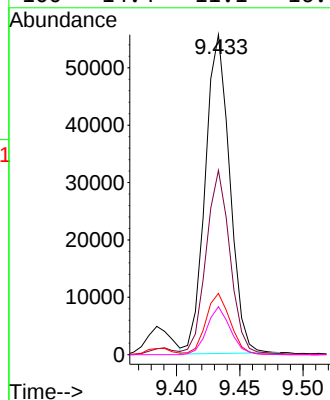
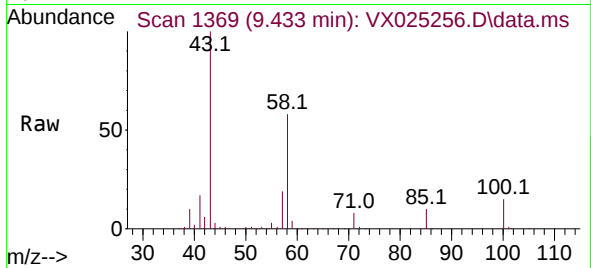




#48
2-Hexanone
Concen: 53.339 ug/L
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX025256.D
Acq: 22 Nov 2021 17:00

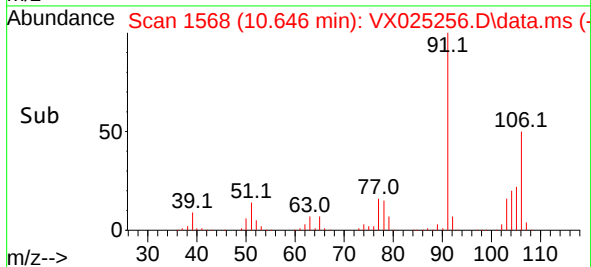
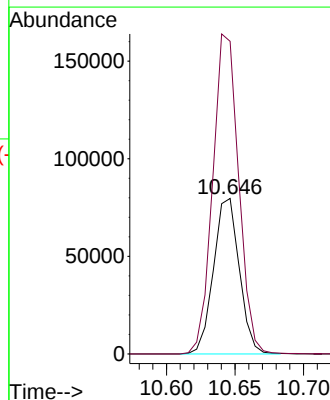
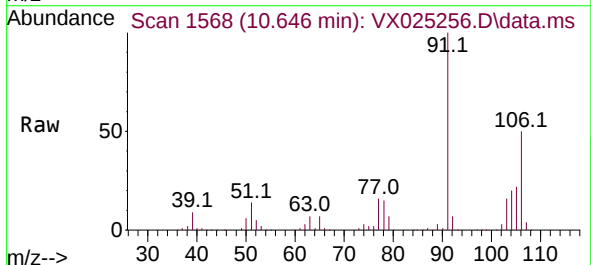
Instrument :
MSVOA_X
ClientSampleId :

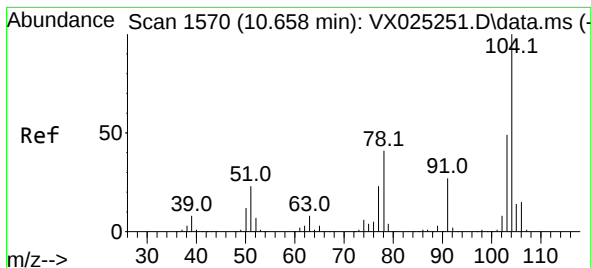
Tgt Ion: 43	Resp: 75024
Ion Ratio	Lower Upper
43 100	
58 57.2	44.2 66.4
57 19.3	15.1 22.7
100 14.4	11.1 16.7



#54
o-Xylene
Concen: 49.656 ug/L
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX025256.D
Acq: 22 Nov 2021 17:00

Tgt Ion:106	Resp: 104346
Ion Ratio	Lower Upper
106 100	
91 201.1	140.5 260.9





#55

Styrene

Concen: 26.230 ug/L

RT: 10.659 min Scan# 1570

Delta R.T. 0.000 min

Lab File: VX025256.D

Acq: 22 Nov 2021 17:00

Instrument :

MSVOA_X

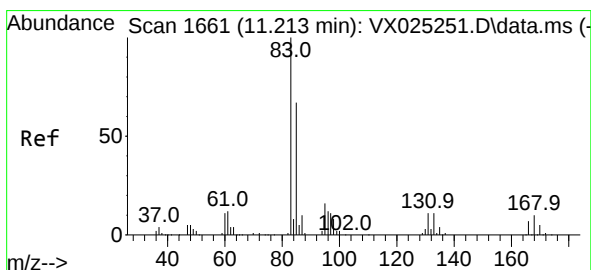
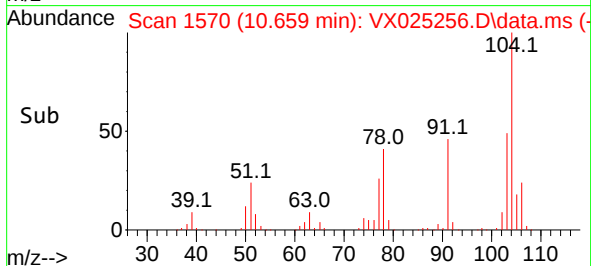
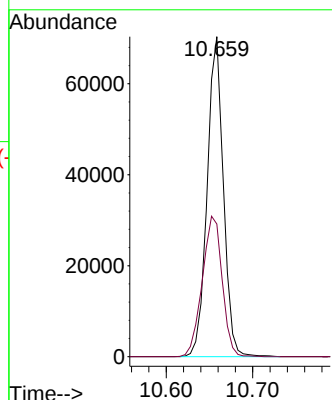
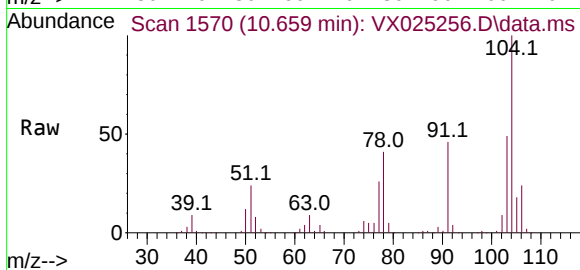
ClientSampleId :

Tgt Ion:104 Resp: 91589

Ion Ratio Lower Upper

104 100

78 41.4 28.6 53.0



#57

1,1,2,2-Tetrachloroethane

Concen: 20.606 ug/L

RT: 11.213 min Scan# 1661

Delta R.T. 0.000 min

Lab File: VX025256.D

Acq: 22 Nov 2021 17:00

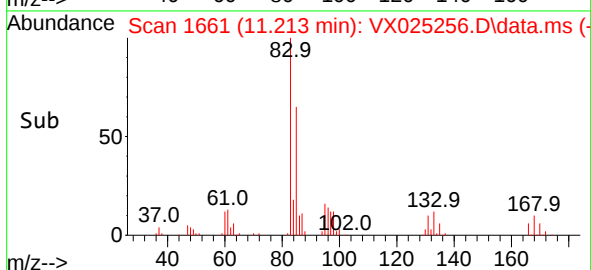
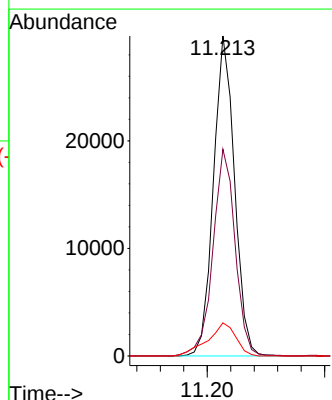
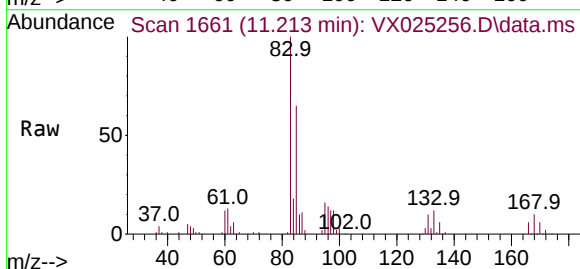
Tgt Ion: 83 Resp: 37032

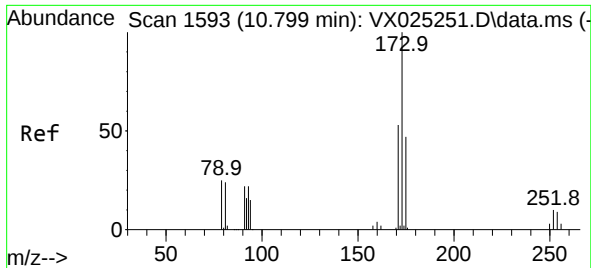
Ion Ratio Lower Upper

83 100

85 64.6 47.0 87.2

131 10.3 8.5 12.7

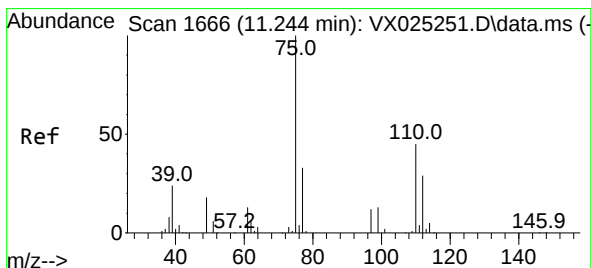
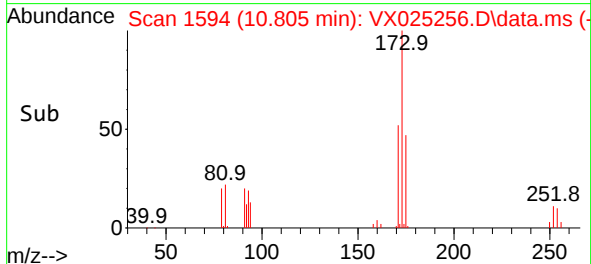
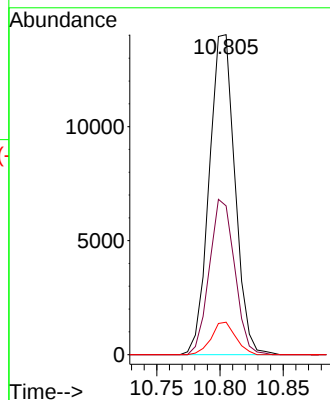
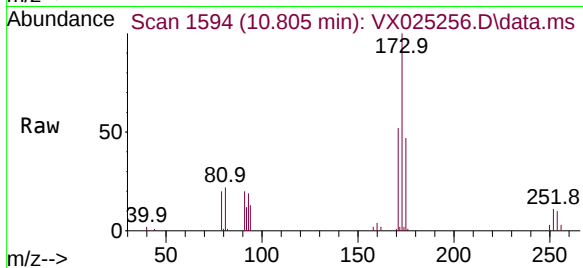




#59
Bromoform
Concen: 19.641 ug/L
RT: 10.805 min Scan# 1569
Delta R.T. 0.006 min
Lab File: VX025256.D
Acq: 22 Nov 2021 17:00

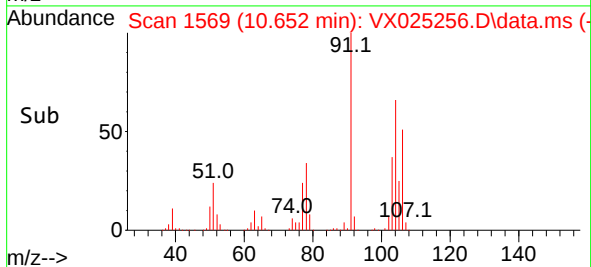
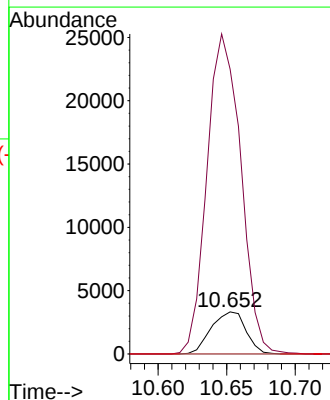
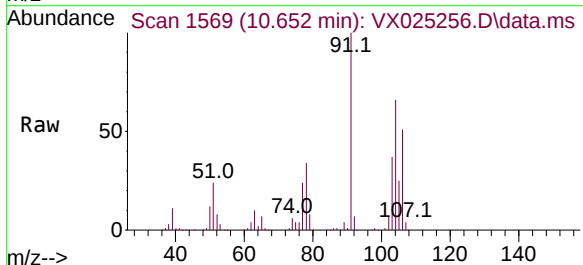
Instrument :
MSVOA_X
ClientSampleId :

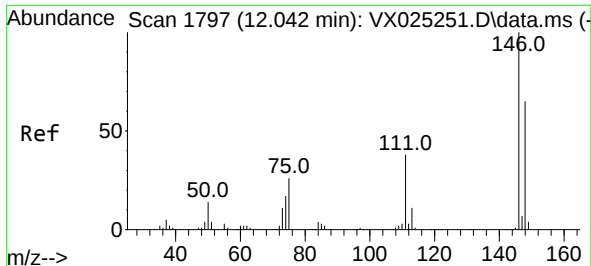
Tgt Ion:173 Resp: 19887
Ion Ratio Lower Upper
173 100
175 47.6 38.6 58.0
254 9.7 7.7 11.5



#61
1,2,3-Trichloropropane
Concen: 4.177 ug/L
RT: 10.652 min Scan# 1569
Delta R.T. -0.591 min
Lab File: VX025256.D
Acq: 22 Nov 2021 17:00

Tgt Ion: 75 Resp: 5864
Ion Ratio Lower Upper
75 100
77 742.1 25.8 38.8#
110 0.0 34.7 52.1#

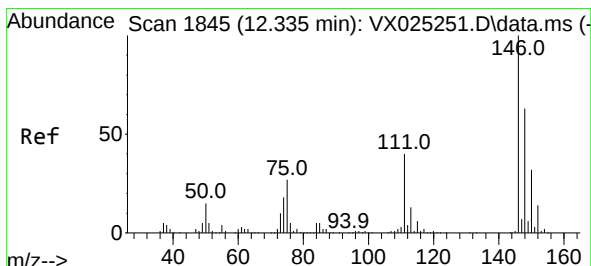
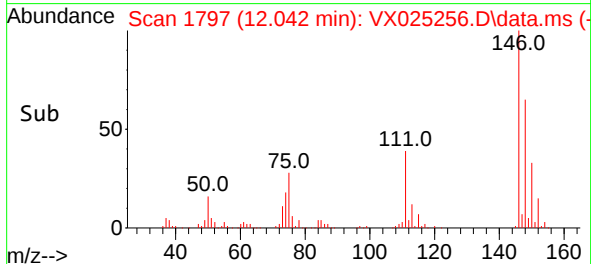
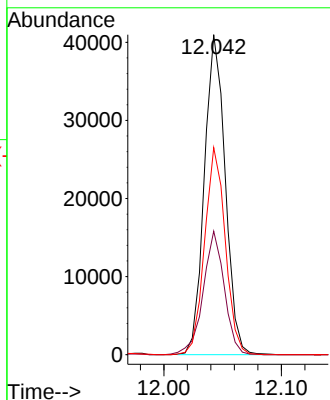
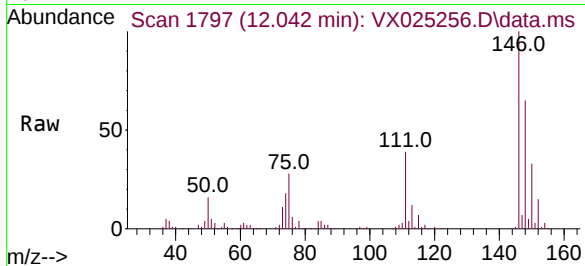




#65
1,4-Dichlorobenzene
Concen: 20.681 ug/L
RT: 12.042 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX025256.D
Acq: 22 Nov 2021 17:00

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:146 Resp: 50589
Ion Ratio Lower Upper
146 100
111 38.6 26.5 49.3
148 64.7 45.5 84.5



#67
1,2-Dichlorobenzene
Concen: 25.443 ug/L
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX025256.D
Acq: 22 Nov 2021 17:00

Tgt Ion:146 Resp: 62301
Ion Ratio Lower Upper
146 100
111 40.8 32.3 48.5
148 64.5 50.3 75.5

