

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110921\
 Data File : VX025116.D
 Acq On : 09 Nov 2021 13:00
 Operator : JC/MD
 Sample : M4464-12ME 10X
 Misc : 7.38g/5.0mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 10 02:52:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML110821WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 10 02:50:07 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.836	114	271	50.000	ug/L	0.07
28) Chlorobenzene-d5	10.055	117	127741	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	52583	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	57513	23470.174	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	= 46940.340%#		
7) Chloroethane-d5	1.666	69	65347	42536.998	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	= 85074.000%#		
11) 1,1-Dichloroethene-d2	2.306	63	90535	19181.214	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	= 38362.420%#		
21) 2-Butanone-d5	4.465	46	89314	53033.523	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	= 53033.520%#		
24) Chloroform-d	5.062	84	113713	23604.079	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	= 47208.160%#		
26) 1,2-Dichloroethane-d4	5.958	65	84740	26888.398	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	= 53776.800%#		
32) Benzene-d6	5.977	84	192002	42.215	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	= 84.420%		
36) 1,2-Dichloropropane-d6	7.312	67	64037	47.782	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	= 95.560%		
41) Toluene-d8	8.653	98	179590	46.972	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	= 93.940%		
43) trans-1,3-Dichloroprop...	8.952	79	33147	46.340	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	= 92.680%		
47) 2-Hexanone-d5	9.616	63	46	0.080	ug/L	0.23
Spiked Amount	100.000	Range 45 - 130	Recovery	= 0.080%#		
56) 1,1,2,2-Tetrachloroeth...	11.195	84	83453	44.985	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	= 89.980%		
66) 1,2-Dichlorobenzene-d4	12.323	152	51501	49.968	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	= 99.940%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	282	143.333	ug/L #	56
5) Vinyl chloride	1.368	62	413	176.883	ug/L #	1
6) Bromomethane	1.618	94	471	316.317	ug/L #	71
8) Chloroethane	1.697	64	166	121.976	ug/L #	33
10) 1,1,2-Trichloro-1,2,2-...	2.306	101	747	339.567	ug/L #	30
12) 1,1-Dichloroethene	2.319	96	2213	1143.873	ug/L #	1
13) Acetone	2.386	43	20476	12356.301	ug/L	90
14) Carbon disulfide	2.502	76	468	93.173	ug/L #	75
15) Methyl Acetate	2.703	43	484	211.233	ug/L #	39
16) Methylene chloride	2.788	84	1069	491.420	ug/L	81
17) trans-1,2-Dichloroethene	3.093	96	218	111.003	ug/L #	53
19) 1,1-Dichloroethane	3.611	63	12195	2973.661	ug/L	95
20) cis-1,2-Dichloroethene	4.489	96	101542	44643.623	ug/L	75
22) 2-Butanone	4.562	43	904	459.314	ug/L	93
25) Chloroform	5.105	83	199	43.961	ug/L	91
27) 1,2-Dichloroethane	6.092	62	259	74.078	ug/L #	80
35) Methylcyclohexane	7.385	83	2806	1.541	ug/L	90
39) cis-1,3-Dichloropropene	8.330	75	2868	1.592	ug/L	95
40) 4-Methyl-2-pentanone	8.586	43	2861	1.645	ug/L #	76

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Quant Time: Nov 10 02:52:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM110821WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 10 02:50:07 2021
 Response via : Initial Calibration

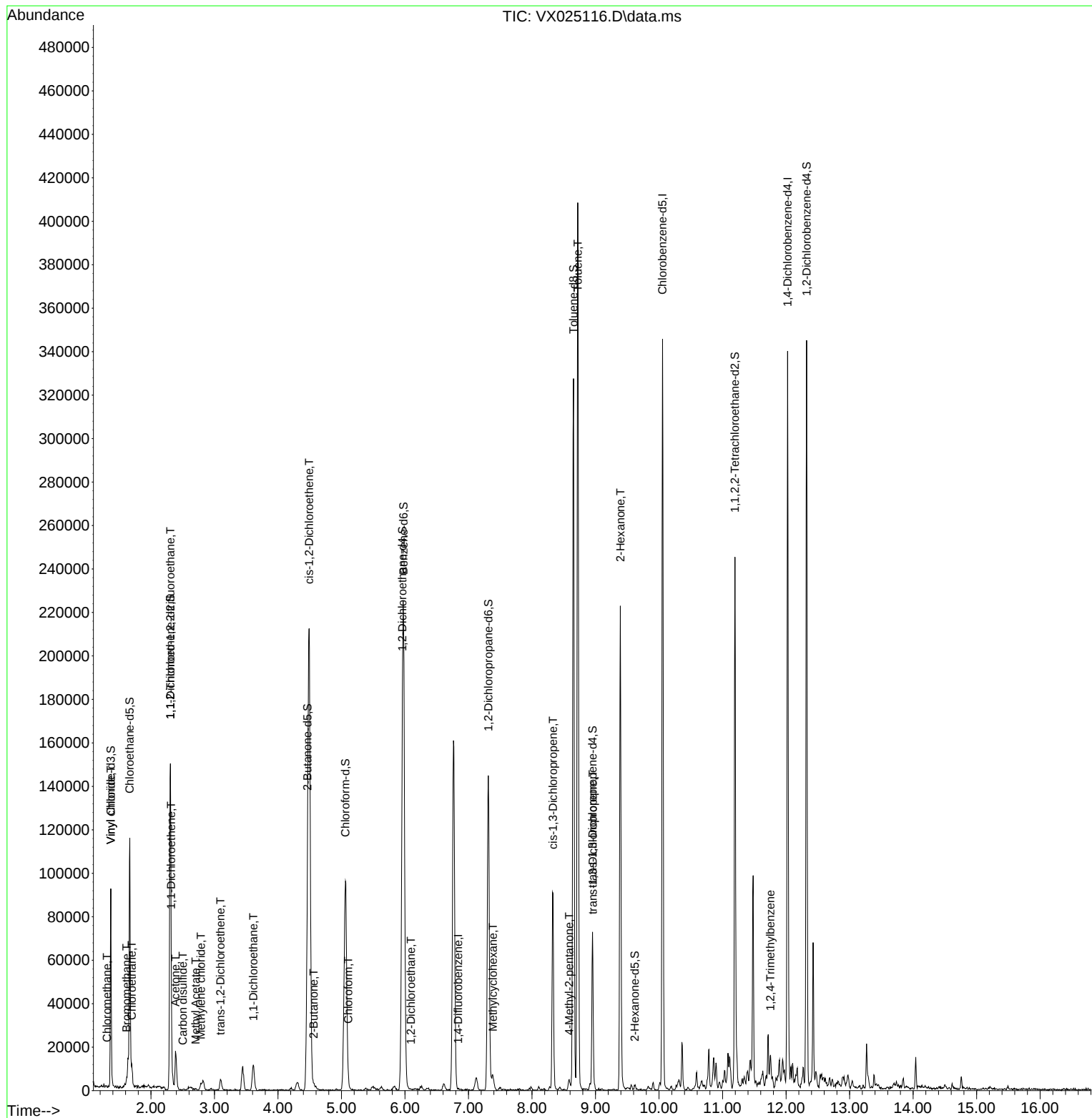
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.720	91	240490	52.556	ug/L	100
44) trans-1,3-Dichloropropene	8.958	75	1893	1.048	ug/L	94
48) 2-Hexanone	9.391	43	9561	6.680	ug/L #	59
63) 1,2,4-Trimethylbenzene	11.756	105	3393	0.953	ug/L	90

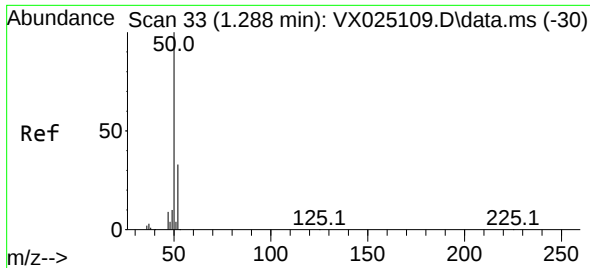
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed Nov 10 02:50:07 2021
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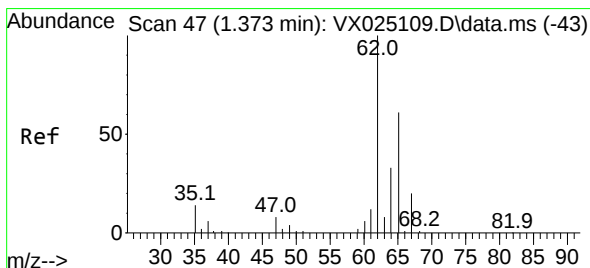
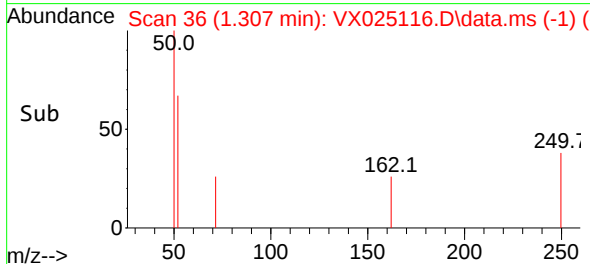
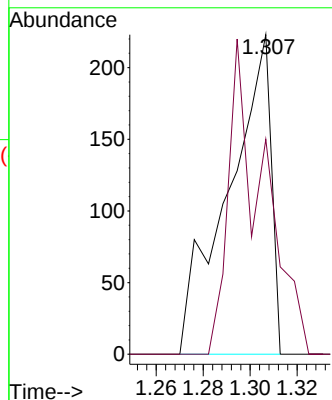
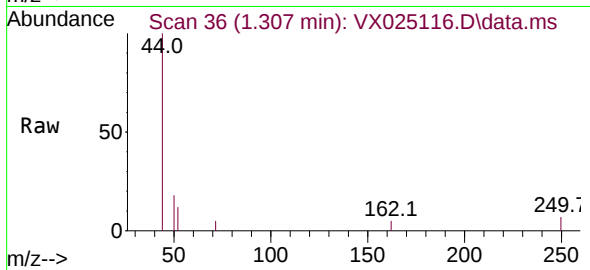




#3
Chloromethane
Concen: 143.333 ug/L
RT: 1.307 min Scan# 30
Delta R.T. 0.019 min
Lab File: VX025116.D
Acq: 09 Nov 2021 13:00

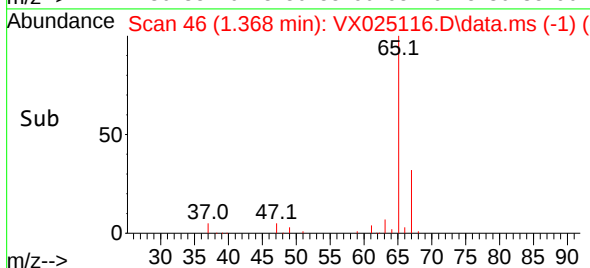
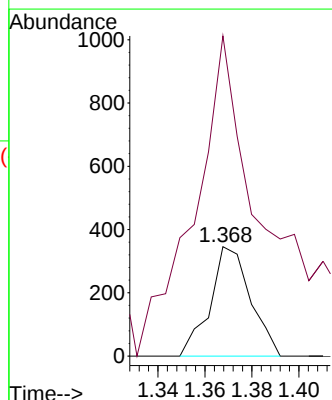
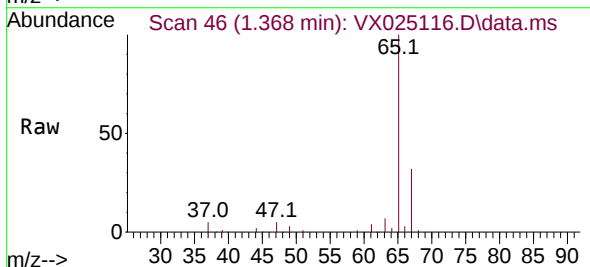
Instrument :
MSVOA_X
ClientSampleId :

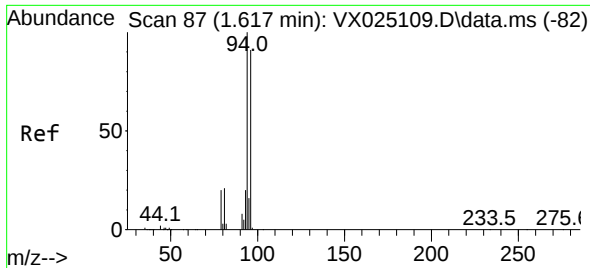
Tgt Ion: 50 Resp: 282
Ion Ratio Lower Upper
50 100
52 67.3 28.0 52.0#



#5
Vinyl chloride
Concen: 176.883 ug/L
RT: 1.368 min Scan# 46
Delta R.T. -0.006 min
Lab File: VX025116.D
Acq: 09 Nov 2021 13:00

Tgt Ion: 62 Resp: 413
Ion Ratio Lower Upper
62 100
64 292.5 23.6 43.8#

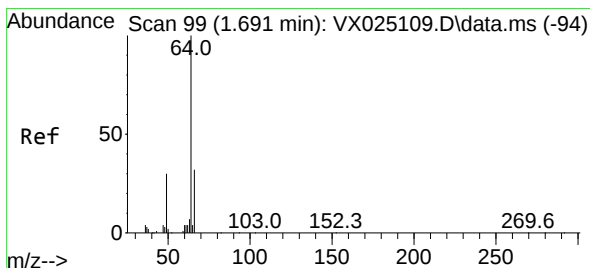
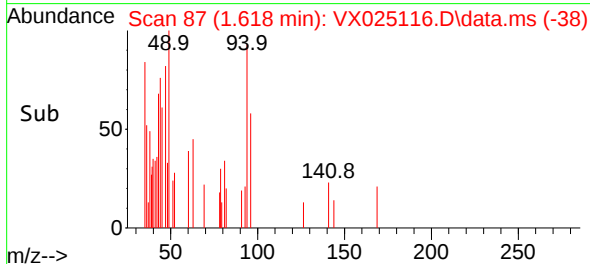
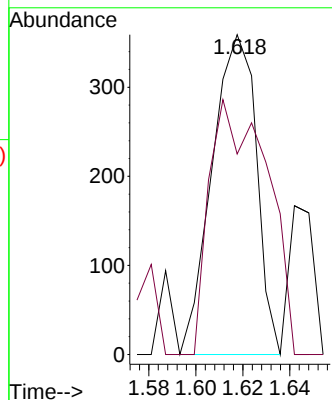
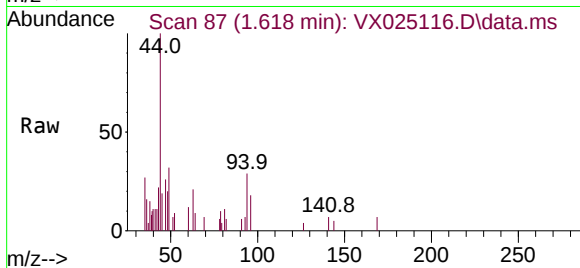




#6
Bromomethane
Concen: 316.317 ug/L
RT: 1.618 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX025116.D
Acq: 09 Nov 2021 13:00

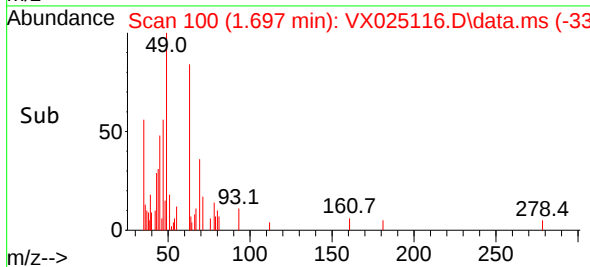
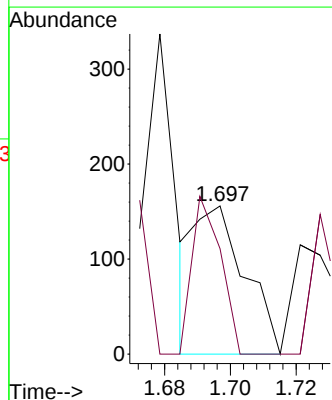
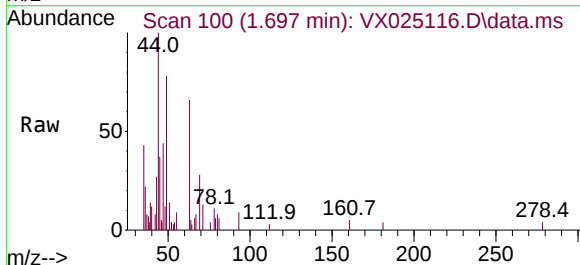
Instrument :
MSVOA_X
ClientSampleId :

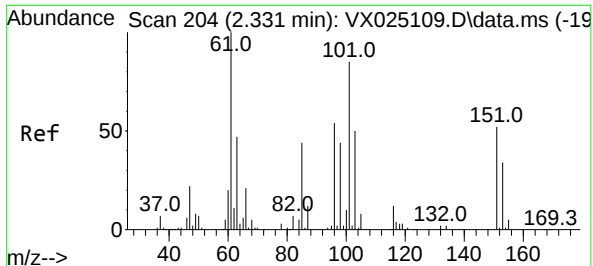
Tgt Ion: 94 Resp: 471
Ion Ratio Lower Upper
94 100
96 62.7 62.9 116.9#



#8
Chloroethane
Concen: 121.976 ug/L
RT: 1.697 min Scan# 100
Delta R.T. 0.006 min
Lab File: VX025116.D
Acq: 09 Nov 2021 13:00

Tgt Ion: 64 Resp: 166
Ion Ratio Lower Upper
64 100
66 71.2 23.3 43.3#

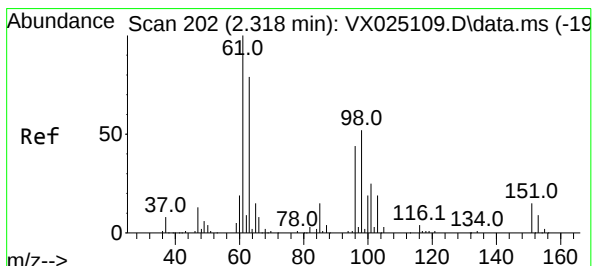
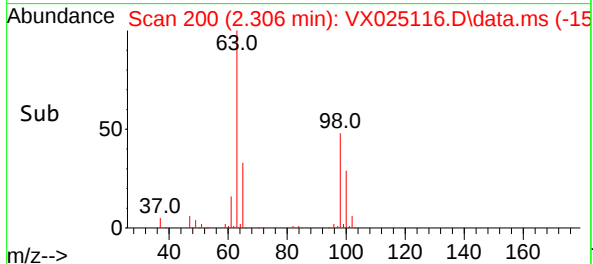
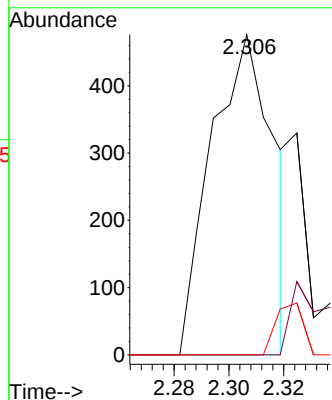
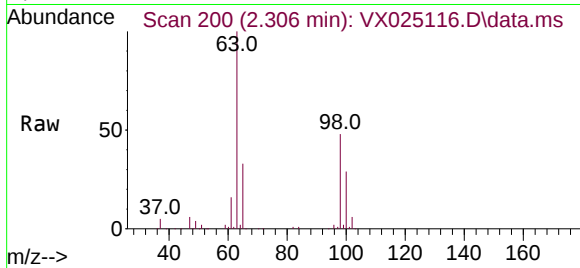




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 339.567 ug/L
 RT: 2.306 min Scan# 204
 Delta R.T. -0.024 min
 Lab File: VX025116.D
 Acq: 09 Nov 2021 13:00

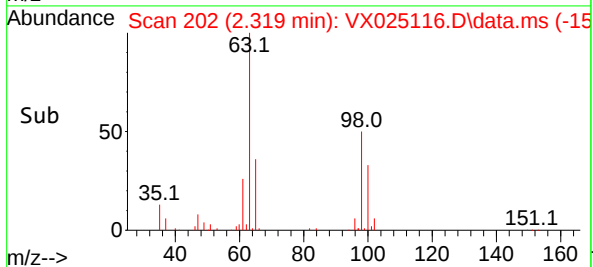
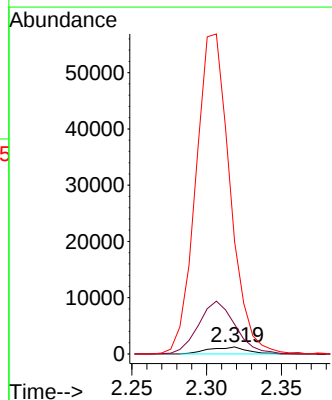
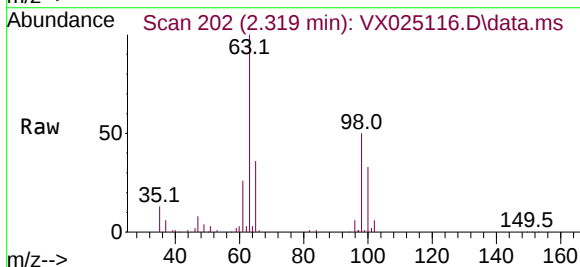
Instrument :
 MSVOA_X
 ClientSampleId :

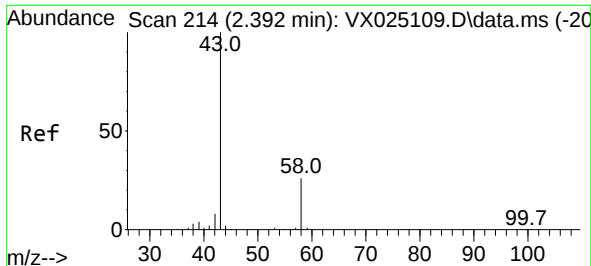
Tgt Ion:101 Resp: 747
 Ion Ratio Lower Upper
 101 100
 85 11.9 35.3 52.9#
 151 7.1 62.3 93.5#



#12
 1,1-Dichloroethene
 Concen: 1143.873 ug/L
 RT: 2.319 min Scan# 202
 Delta R.T. 0.000 min
 Lab File: VX025116.D
 Acq: 09 Nov 2021 13:00

Tgt Ion: 96 Resp: 2213
 Ion Ratio Lower Upper
 96 100
 61 423.2 109.9 204.1#
 63 1607.1 92.4 171.6#





#13

Acetone

Concen: 12356.301 ug/L

RT: 2.386 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX025116.D

Acq: 09 Nov 2021 13:00

Instrument :

MSVOA_X

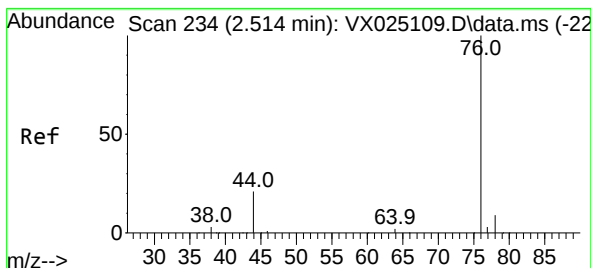
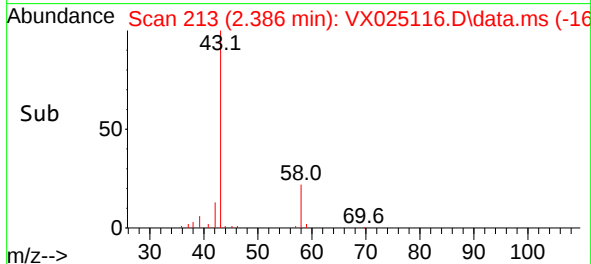
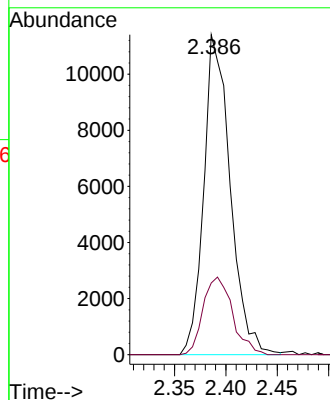
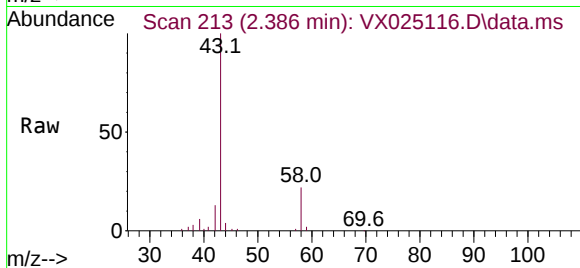
ClientSampleId :

Tgt Ion: 43 Resp: 20476

Ion Ratio Lower Upper

43 100

58 26.9 0.0 64.8



#14

Carbon disulfide

Concen: 93.173 ug/L

RT: 2.502 min Scan# 232

Delta R.T. -0.012 min

Lab File: VX025116.D

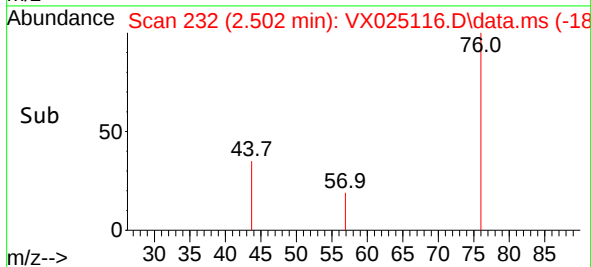
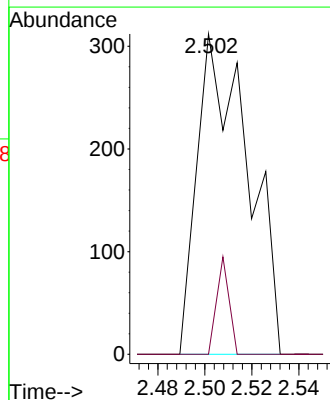
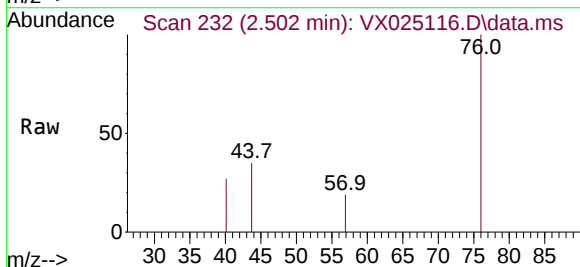
Acq: 09 Nov 2021 13:00

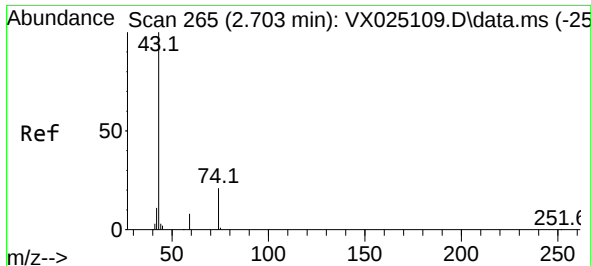
Tgt Ion: 76 Resp: 468

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#

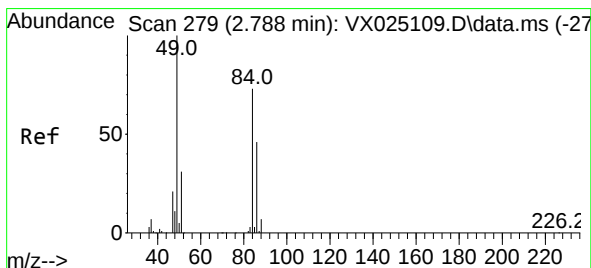
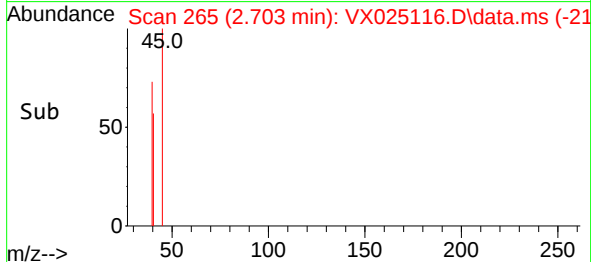
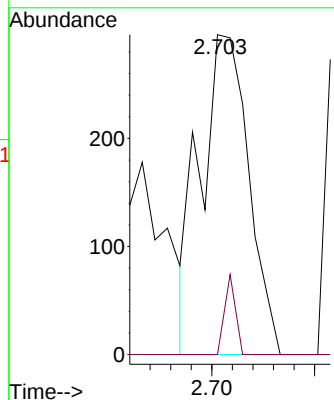
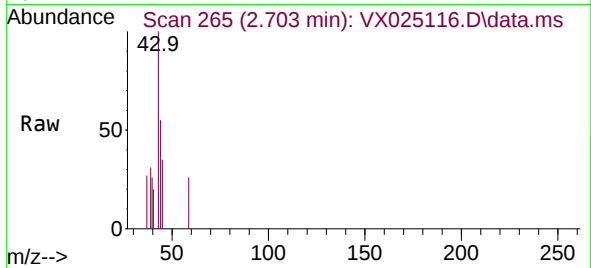




#15
Methyl Acetate
Concen: 211.233 ug/L
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX025116.D
Acq: 09 Nov 2021 13:00

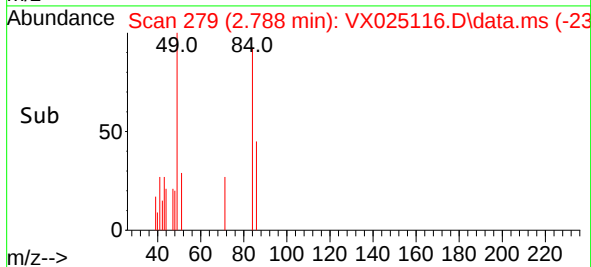
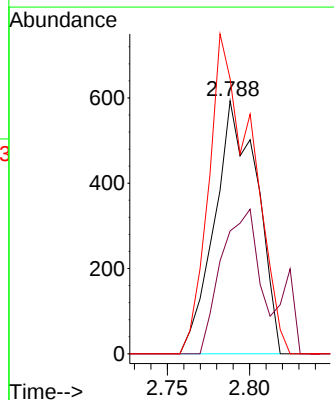
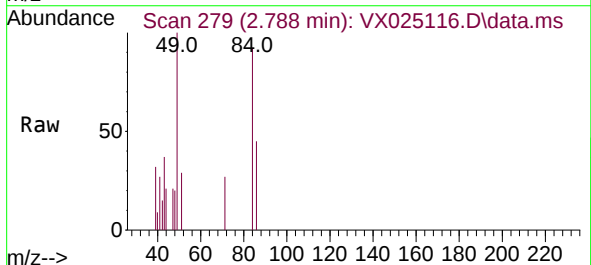
Instrument :
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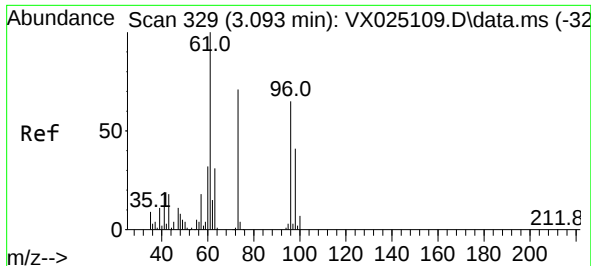
Tgt Ion: 43 Resp: 484
Ion Ratio Lower Upper
43 100
74 0.0 28.6 42.8#



#16
Methylene chloride
Concen: 491.420 ug/L
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX025116.D
Acq: 09 Nov 2021 13:00

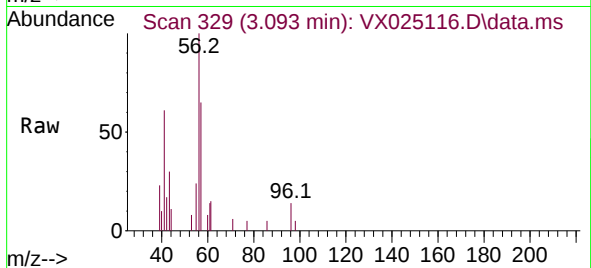
Tgt Ion: 84 Resp: 1069
Ion Ratio Lower Upper
84 100
86 48.6 44.4 82.5
49 108.8 64.0 118.8



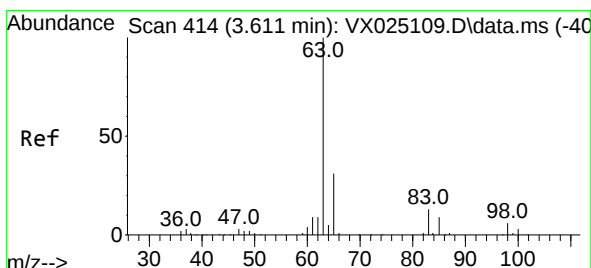
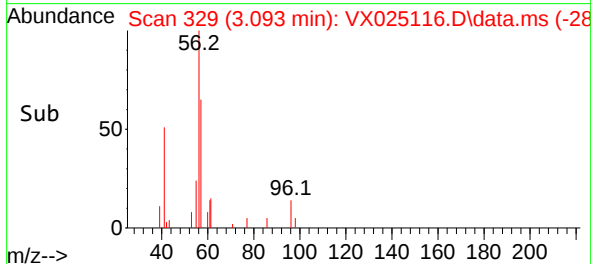
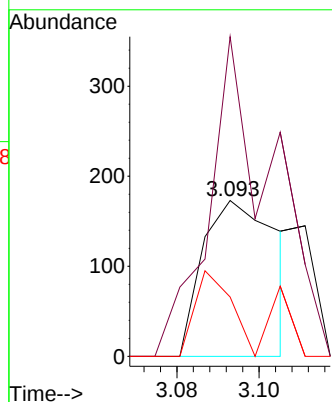


#17
trans-1,2-Dichloroethene
Concen: 111.003 ug/L
RT: 3.093 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX025116.D
Acq: 09 Nov 2021 13:00

Instrument :
MSVOA_X
ClientSampleId :

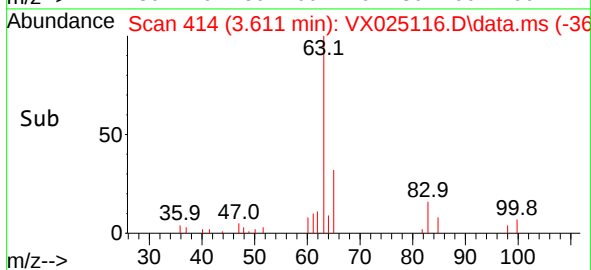
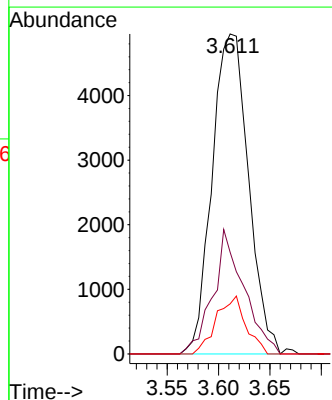
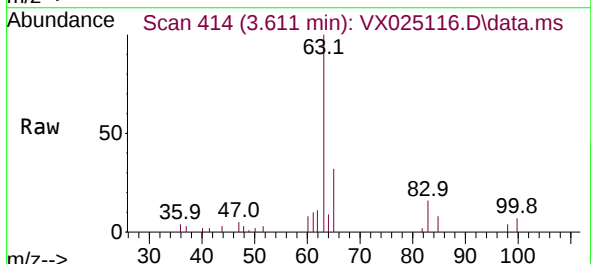


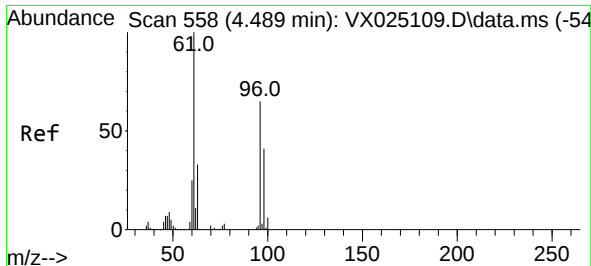
Tgt Ion: 96 Resp: 218
Ion Ratio Lower Upper
96 100
61 205.2 99.4 184.6#
98 38.2 47.0 87.2#



#19
1,1-Dichloroethane
Concen: 2973.661 ug/L
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX025116.D
Acq: 09 Nov 2021 13:00

Tgt Ion: 63 Resp: 12195
Ion Ratio Lower Upper
63 100
65 31.8 24.5 45.5
83 15.6 11.7 21.7





#20

cis-1,2-Dichloroethene

Concen: 44643.623 ug/L

RT: 4.489 min Scan# 51

Delta R.T. 0.000 min

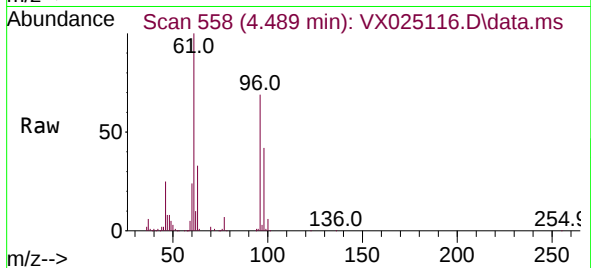
Lab File: VX025116.D

Acq: 09 Nov 2021 13:00

Instrument :

MSVOA_X

ClientSampleId :



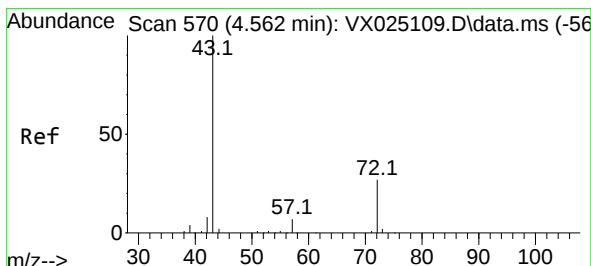
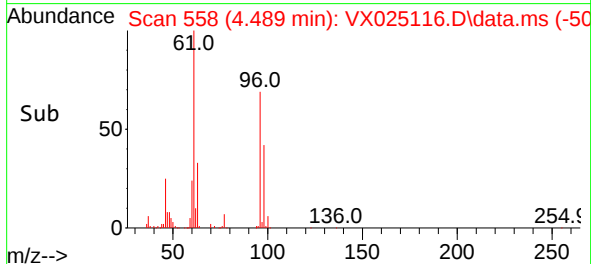
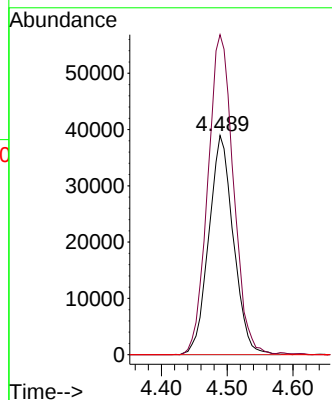
Tgt Ion: 96 Resp: 101542

Ion Ratio Lower Upper

96 100

61 145.9 82.6 153.4

68 0.0 0.0 0.0



#22

2-Butanone

Concen: 459.314 ug/L

RT: 4.562 min Scan# 570

Delta R.T. 0.000 min

Lab File: VX025116.D

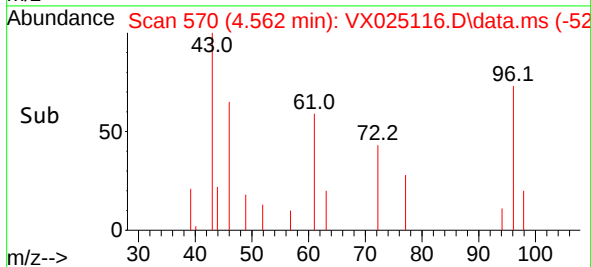
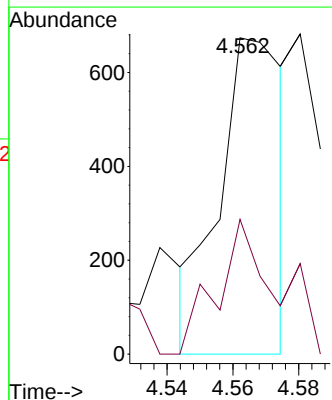
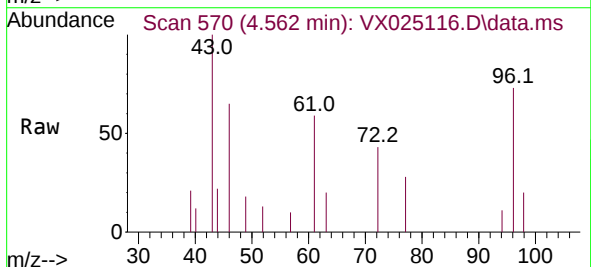
Acq: 09 Nov 2021 13:00

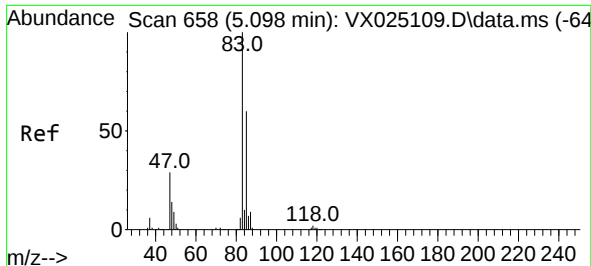
Tgt Ion: 43 Resp: 904

Ion Ratio Lower Upper

43 100

72 32.3 18.4 55.0

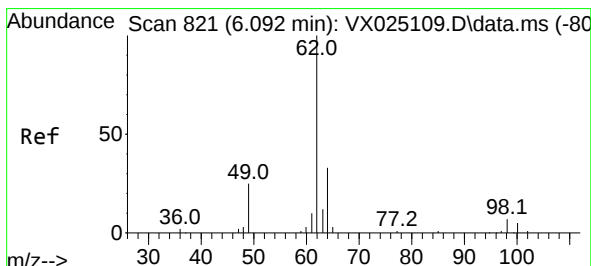
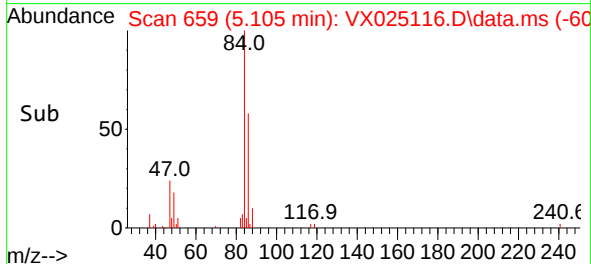
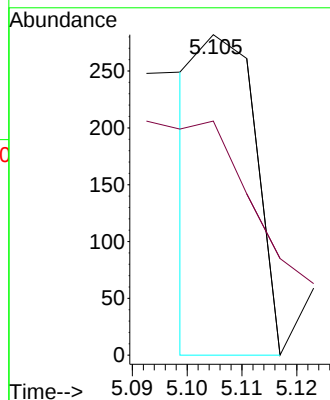
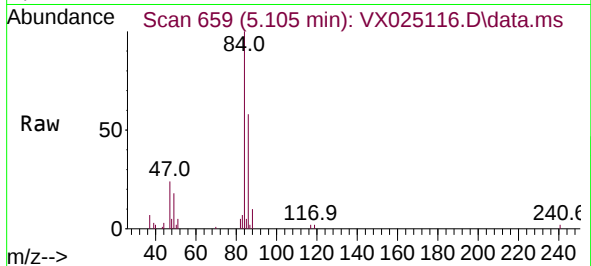




#25
Chloroform
Concen: 43.961 ug/L
RT: 5.105 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX025116.D
Acq: 09 Nov 2021 13:00

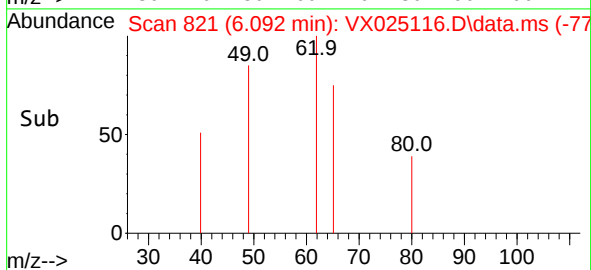
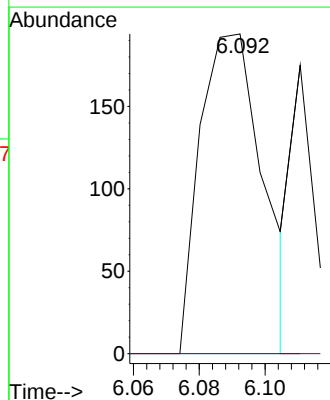
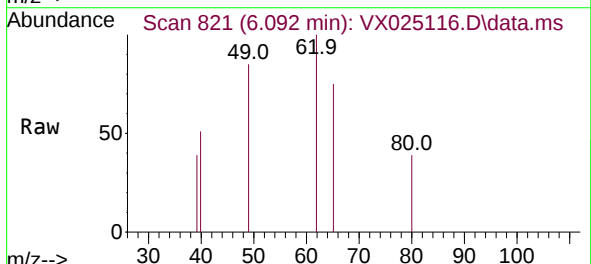
Instrument :
MSVOA_X
ClientSampleId :

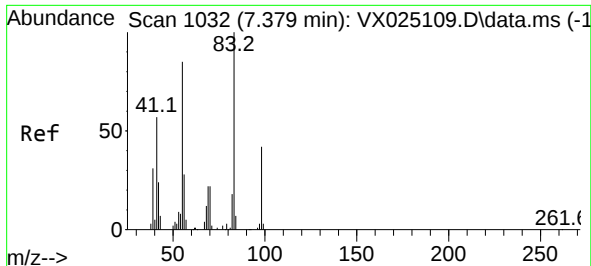
Tgt Ion: 83 Resp: 199
Ion Ratio Lower Upper
83 100
85 73.0 46.3 86.1



#27
1,2-Dichloroethane
Concen: 74.078 ug/L
RT: 6.092 min Scan# 821
Delta R.T. 0.000 min
Lab File: VX025116.D
Acq: 09 Nov 2021 13:00

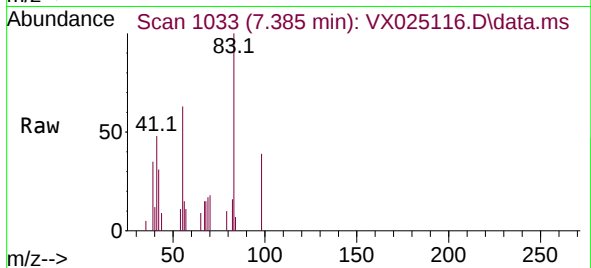
Tgt Ion: 62 Resp: 259
Ion Ratio Lower Upper
62 100
98 0.0 5.5 8.3#



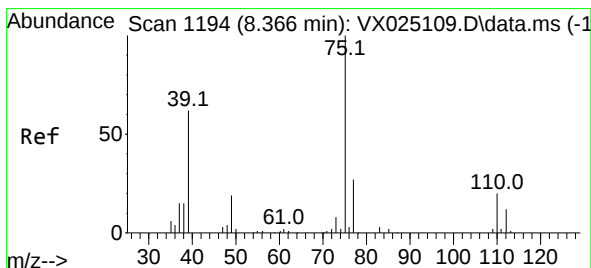
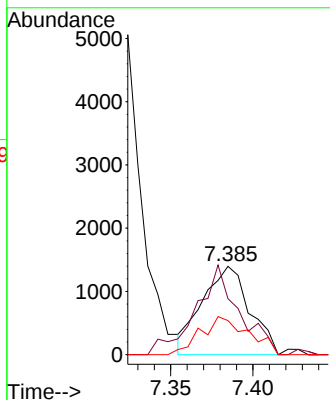
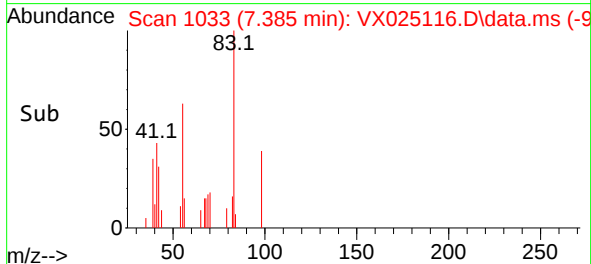


#35
Methylcyclohexane
Concen: 1.541 ug/L
RT: 7.385 min Scan# 1188
Delta R.T. 0.006 min
Lab File: VX025116.D
Acq: 09 Nov 2021 13:00

Instrument :
MSVOA_X
ClientSampleId :

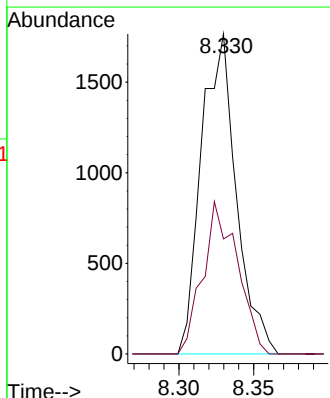
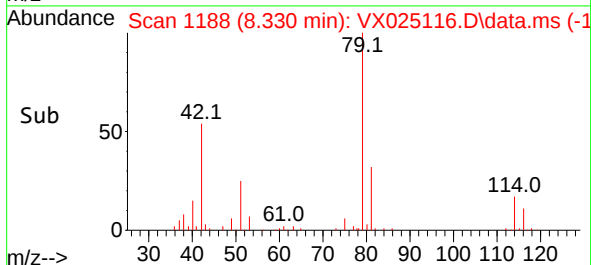
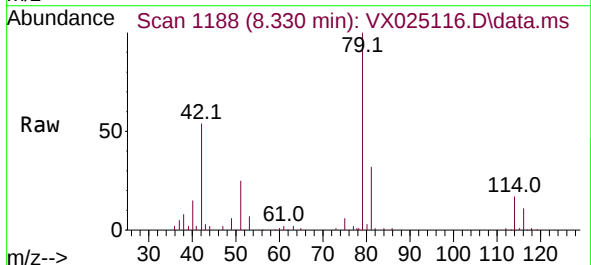


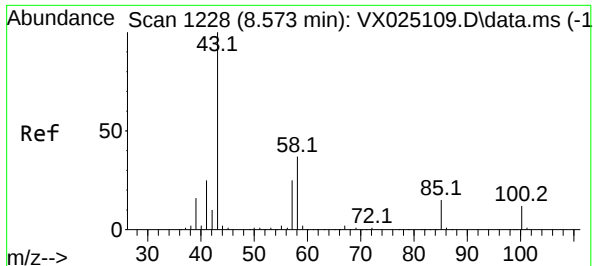
Tgt Ion: 83	Resp: 2806
Ion Ratio	Lower Upper
83 100	
55 76.3	52.6 79.0
98 43.2	37.9 56.9



#39
cis-1,3-Dichloropropene
Concen: 1.592 ug/L
RT: 8.330 min Scan# 1188
Delta R.T. -0.036 min
Lab File: VX025116.D
Acq: 09 Nov 2021 13:00

Tgt Ion: 75	Resp: 2868
Ion Ratio	Lower Upper
75 100	
77 36.0	23.1 42.9





#40

4-Methyl-2-pentanone

Concen: 1.645 ug/L

RT: 8.586 min Scan# 1230

Delta R.T. 0.012 min

Lab File: VX025116.D

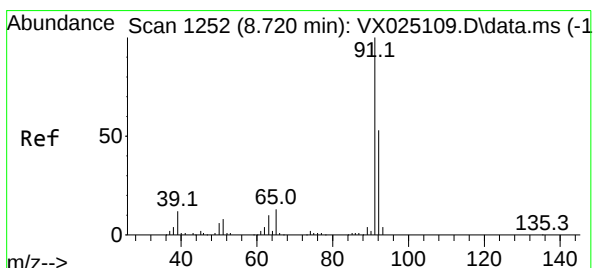
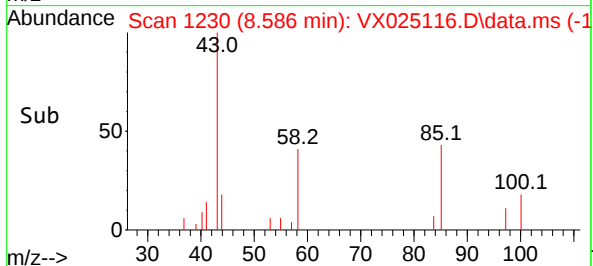
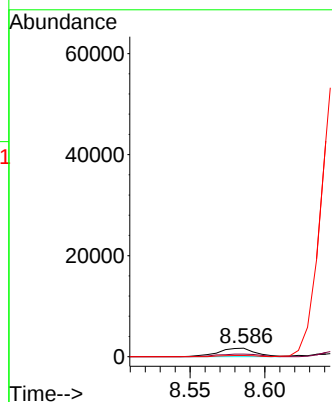
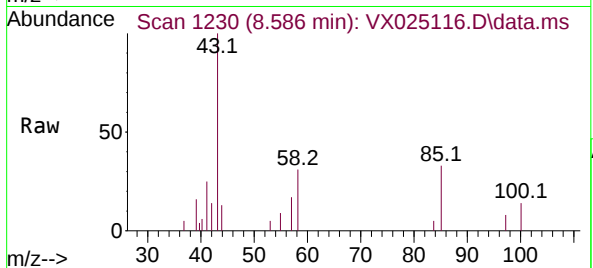
Acq: 09 Nov 2021 13:00

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	43	Resp:	2861
Ion Ratio	Lower	Upper	
43	100		
58	34.1	41.3	61.9#
100	13.2	19.6	29.4#



#42

Toluene

Concen: 52.556 ug/L

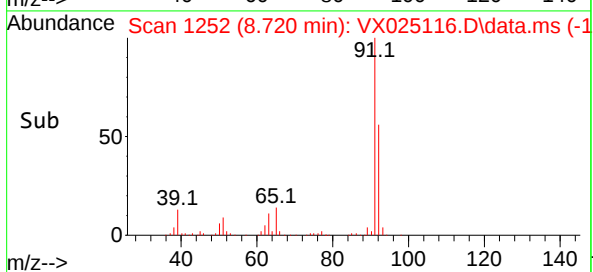
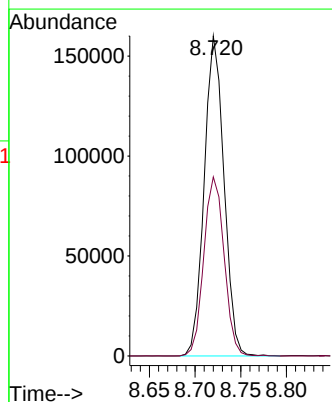
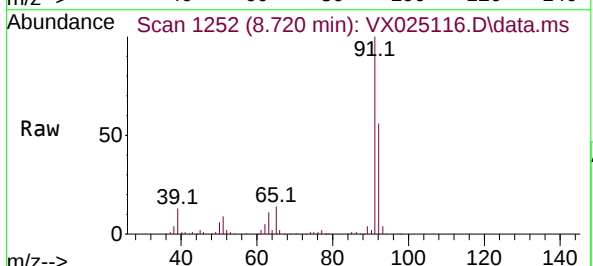
RT: 8.720 min Scan# 1252

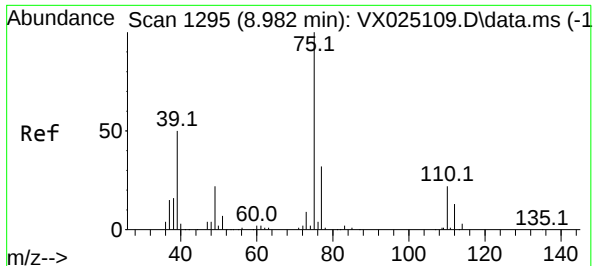
Delta R.T. 0.000 min

Lab File: VX025116.D

Acq: 09 Nov 2021 13:00

Tgt Ion:	91	Resp:	240490
Ion Ratio	Lower	Upper	
91	100		
92	55.9	39.3	72.9

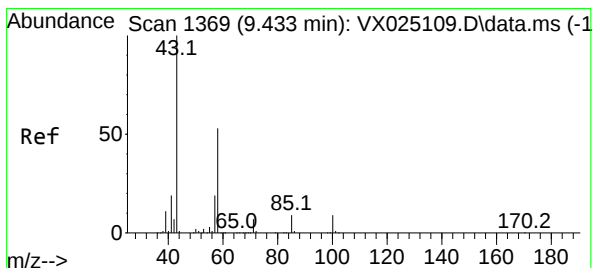
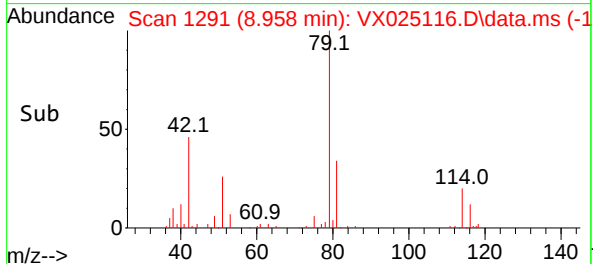
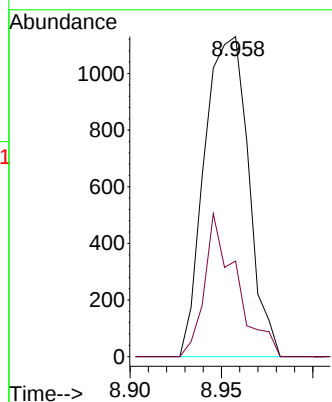
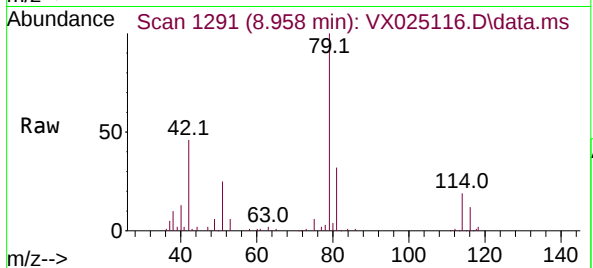




#44
trans-1,3-Dichloropropene
Concen: 1.048 ug/L
RT: 8.958 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX025116.D
Acq: 09 Nov 2021 13:00

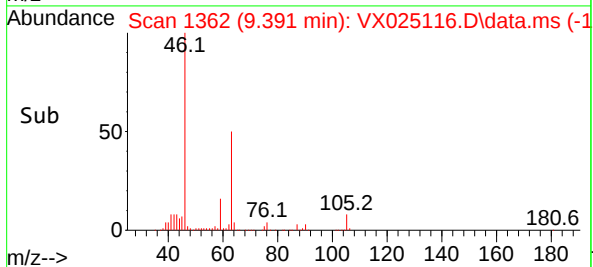
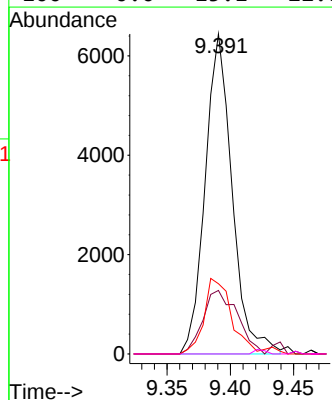
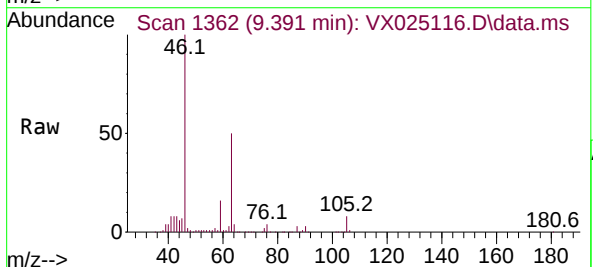
Instrument :
MSVOA_X
ClientSampleId :

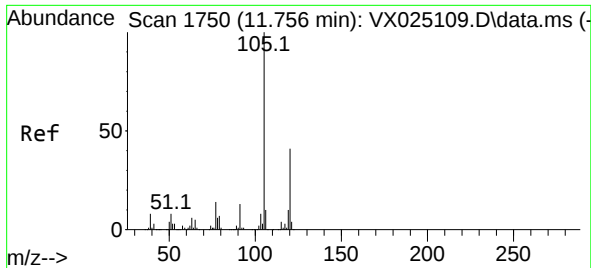
Tgt Ion: 75 Resp: 1893
Ion Ratio Lower Upper
75 100
77 29.9 23.4 43.6



#48
2-Hexanone
Concen: 6.680 ug/L
RT: 9.391 min Scan# 1362
Delta R.T. -0.042 min
Lab File: VX025116.D
Acq: 09 Nov 2021 13:00

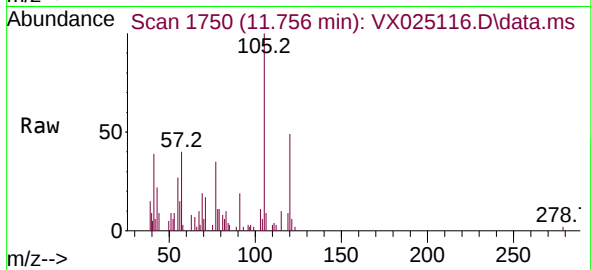
Tgt Ion: 43 Resp: 9561
Ion Ratio Lower Upper
43 100
58 25.4 56.0 84.0#
57 23.9 20.4 30.6
100 0.0 15.1 22.7#





#63
 1,2,4-Trimethylbenzene
 Concen: 0.953 ug/L
 RT: 11.756 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX025116.D
 Acq: 09 Nov 2021 13:00

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:105 Resp: 3393
 Ion Ratio Lower Upper
 105 100
 120 44.7 31.0 46.6

