

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW080522\
 Data File : VW027220.D
 Acq On : 05 Aug 2022 12:24
 Operator : SY/MD
 Sample : N4003-01DL 4X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 06 03:59:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 06 03:57:43 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.764	114	288	50.000	ug/L	0.15
28) Chlorobenzene-d5	8.850	117	331996	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	131943	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	108323	55167.676	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 110335.360%#	
7) Chloroethane-d5	1.558	69	90154	62805.552	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 125611.100%#	
11) 1,1-Dichloroethene-d2	2.178	63	6846	1906.131	ug/L	0.08
Spiked Amount	50.000	Range	60 - 125	Recovery	= 3812.260%#	
21) 2-Butanone-d5	3.866	46	243398	139261.567	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 139261.570%#	
24) Chloroform-d	4.336	84	251641	62565.277	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 125130.560%#	
26) 1,2-Dichloroethane-d4	5.021	65	164503	65875.196	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 131750.400%#	
32) Benzene-d6	5.040	84	431255	54.168	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 108.340%	
36) 1,2-Dichloropropane-d6	6.063	67	164765	58.179	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 116.360%	
41) Toluene-d8	7.310	98	317290	46.755	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 93.520%	
43) trans-1,3-Dichloroprop...	7.616	79	67546	54.719	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 109.440%	
47) 2-Hexanone-d5	8.085	63	154681	113.401	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 113.400%	
56) 1,1,2,2-Tetrachloroeth...	10.214	84	262179	56.808	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 113.620%	
66) 1,2-Dichlorobenzene-d4	11.622	152	153108	67.196	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 134.400%#	
Target Compounds			Qvalue			
3) Chloromethane	1.484	50	46	15.716	ug/L	89
5) Vinyl chloride	1.304	62	261356	89637.025	ug/L	97
6) Bromomethane	1.513	94	343	249.542	ug/L #	43
8) Chloroethane	1.597	64	25	15.391	ug/L	87
9) Trichlorofluoromethane	2.101	101	1103	294.830	ug/L #	51
10) 1,1,2-Trichloro-1,2,2-...	2.101	101	1103	531.698	ug/L #	23
12) 1,1-Dichloroethene	2.098	96	1153	577.784	ug/L #	1
13) Acetone	2.166	43	1606	1191.673	ug/L	95
14) Carbon disulfide	2.285	76	885	130.305	ug/L #	70
15) Methyl Acetate	2.568	43	123	40.127	ug/L	92
16) Methylene chloride	2.500	84	4702	1763.958	ug/L	86
17) trans-1,2-Dichloroethene	2.754	96	9388	4251.208	ug/L	92
20) cis-1,2-Dichloroethene	3.902	96	2931	1277.662	ug/L	84
22) 2-Butanone	4.018	43	262	141.803	ug/L	77
25) Chloroform	4.413	83	146	32.588	ug/L	86
27) 1,2-Dichloroethane	5.040	62	2498	715.919	ug/L	96
48) 2-Hexanone	8.085	43	20676	6.088	ug/L #	66

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Quant Time: Aug 06 03:59:09 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080422WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Aug 06 03:57:43 2022
Response via : Initial Calibration

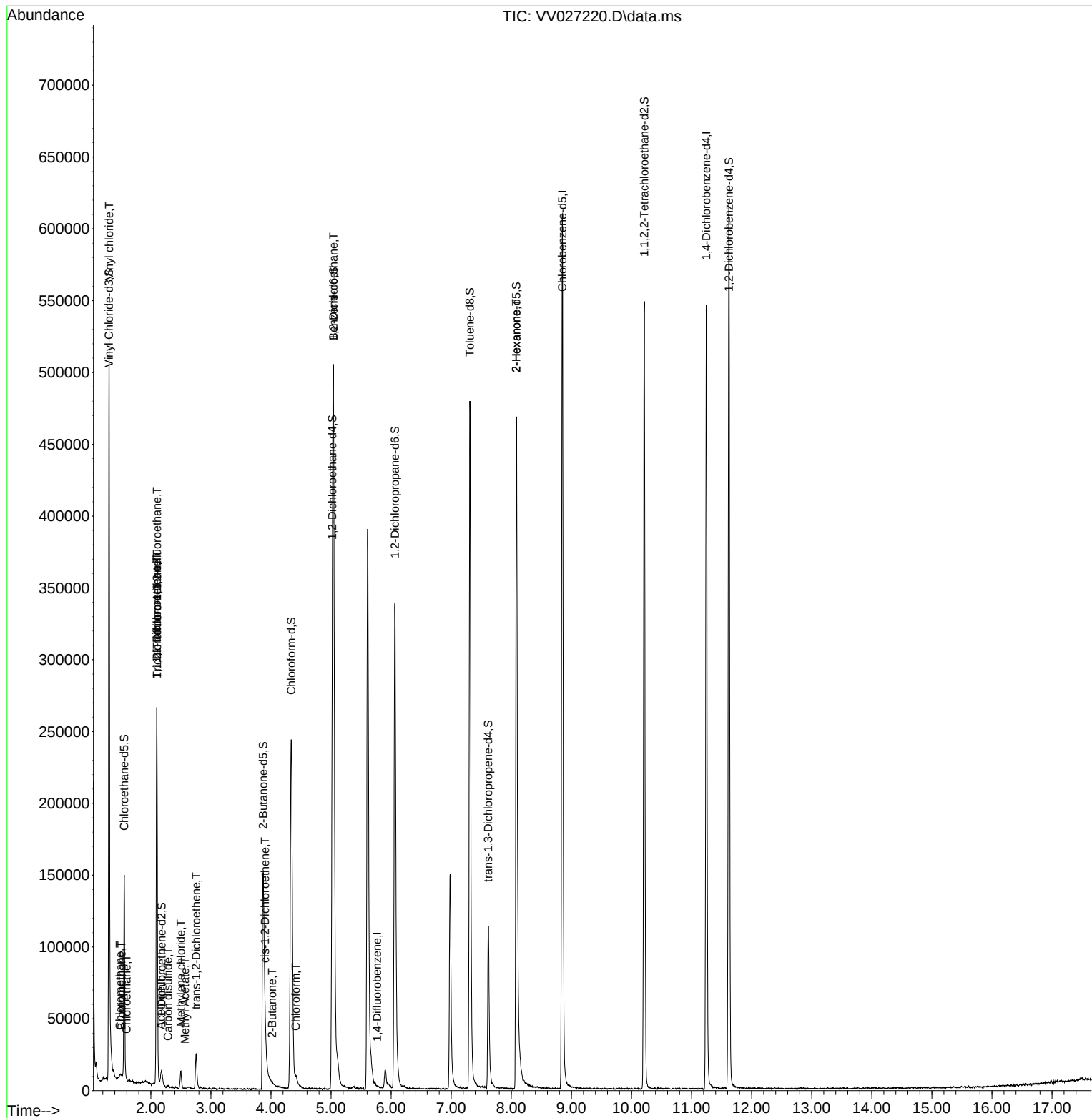
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

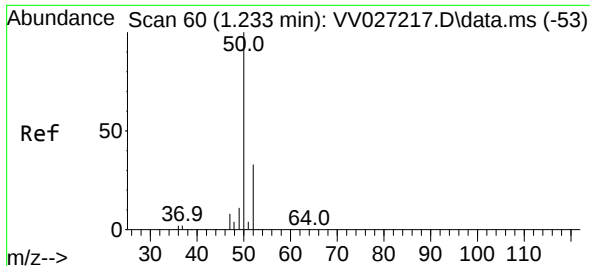
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080422WMA.M
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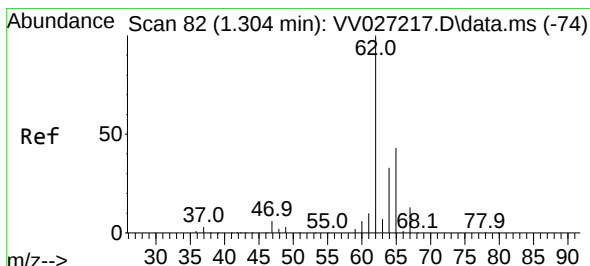
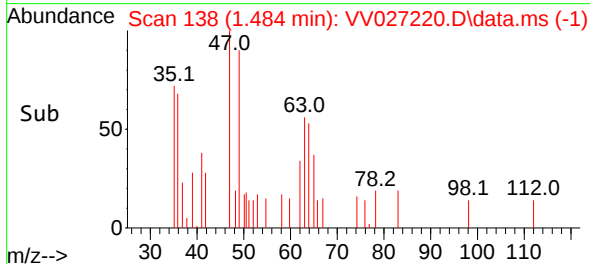
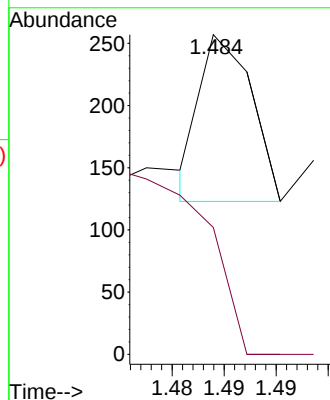
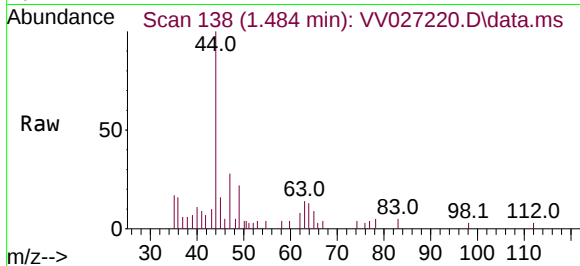




#3
Chloromethane
Concen: 15.716 ug/L
RT: 1.484 min Scan# 11
Delta R.T. 0.251 min
Lab File: VV027220.D
Acq: 05 Aug 2022 12:24

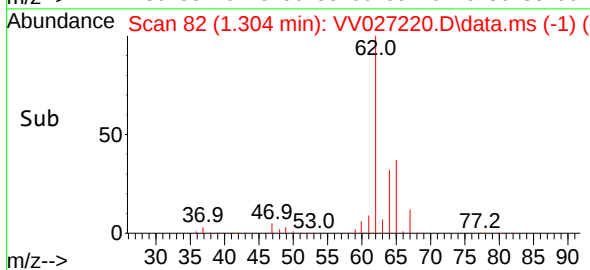
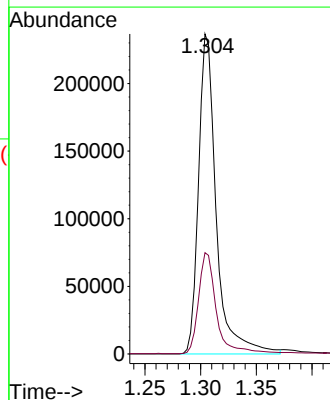
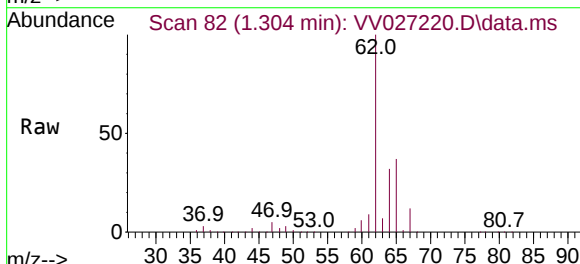
Instrument :
MSVOA_V
ClientSampleId :

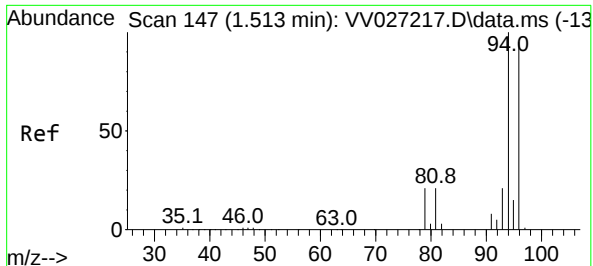
Tgt Ion: 50 Resp: 46
Ion Ratio Lower Upper
50 100
52 39.7 23.5 43.7



#5
Vinyl chloride
Concen: 89637.025 ug/L
RT: 1.304 min Scan# 82
Delta R.T. -0.000 min
Lab File: VV027220.D
Acq: 05 Aug 2022 12:24

Tgt Ion: 62 Resp: 261356
Ion Ratio Lower Upper
62 100
64 31.6 23.2 43.2

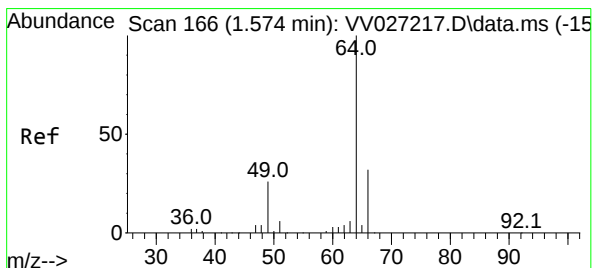
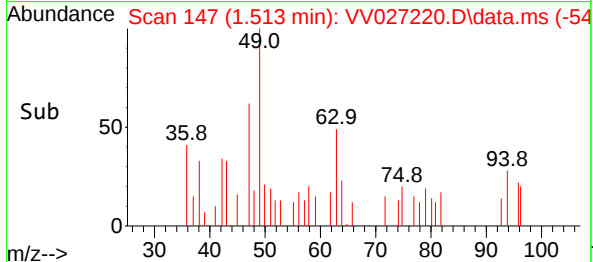
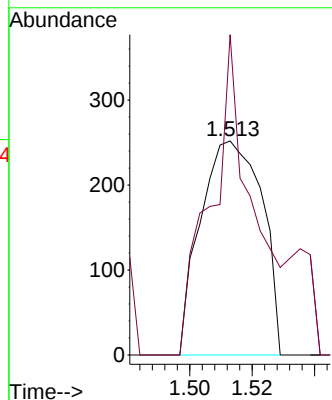
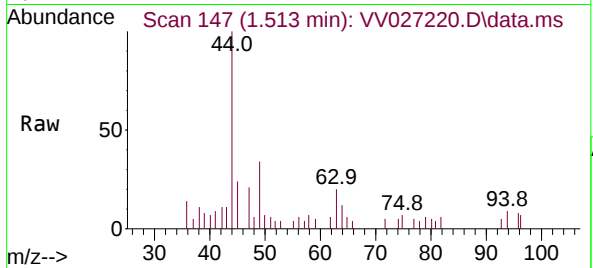




#6
Bromomethane
Concen: 249.542 ug/L
RT: 1.513 min Scan# 147
Delta R.T. -0.000 min
Lab File: VV027220.D
Acq: 05 Aug 2022 12:24

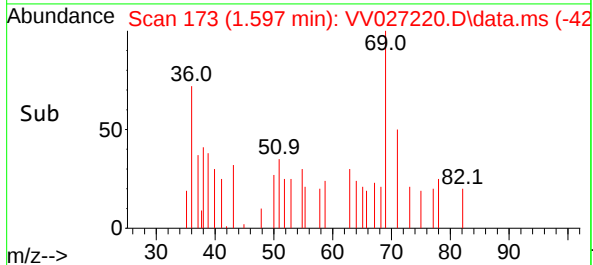
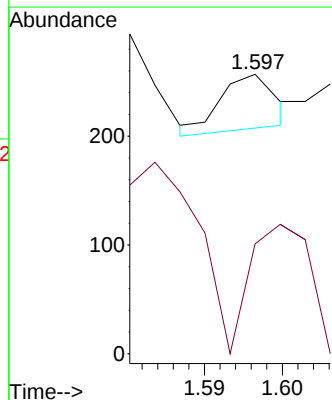
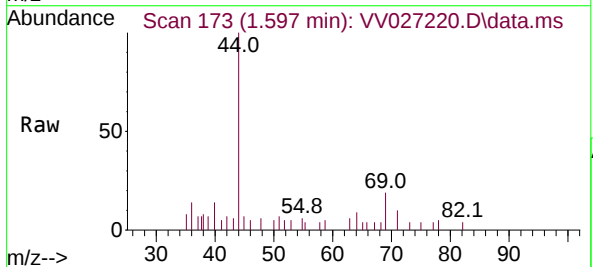
Instrument :
MSVOA_V
ClientSampleId :

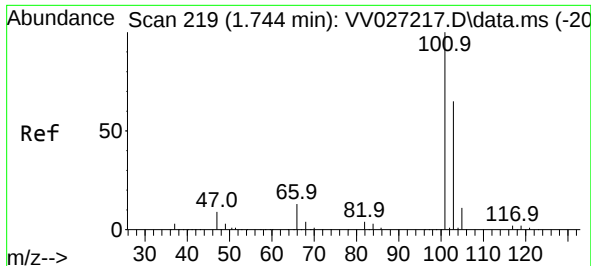
Tgt Ion: 94 Resp: 343
Ion Ratio Lower Upper
94 100
96 149.6 66.1 122.8#



#8
Chloroethane
Concen: 15.391 ug/L
RT: 1.597 min Scan# 173
Delta R.T. 0.022 min
Lab File: VV027220.D
Acq: 05 Aug 2022 12:24

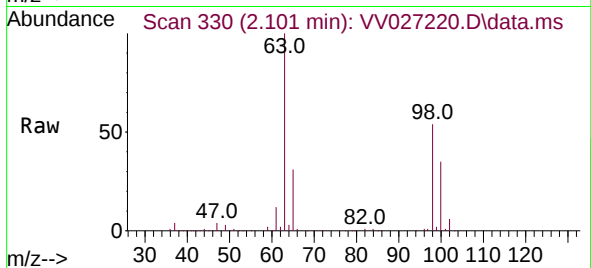
Tgt Ion: 64 Resp: 25
Ion Ratio Lower Upper
64 100
66 39.3 22.4 41.6



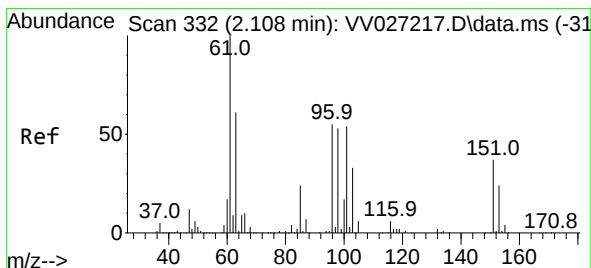
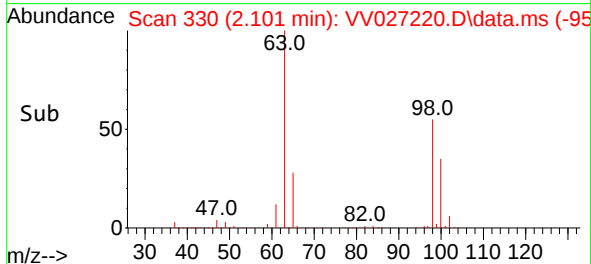
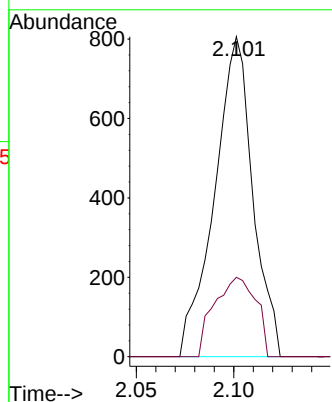


#9
 Trichlorofluoromethane
 Concen: 294.830 ug/L
 RT: 2.101 min Scan# 31
 Delta R.T. 0.357 min
 Lab File: VV027220.D
 Acq: 05 Aug 2022 12:24

Instrument :
 MSVOA_V
 ClientSampleId :

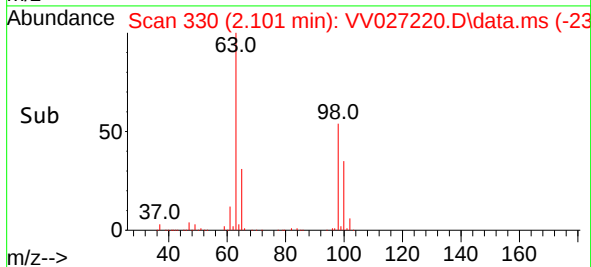
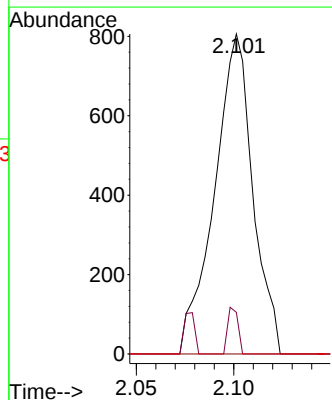
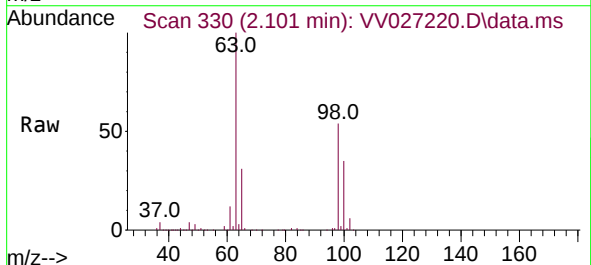


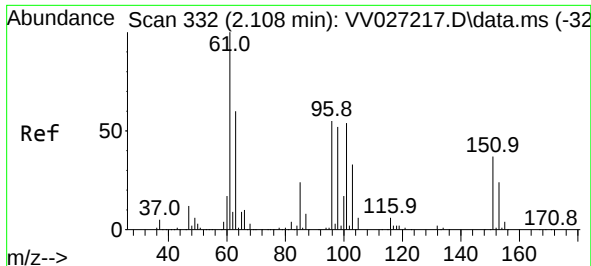
Tgt Ion:101 Resp: 1103
 Ion Ratio Lower Upper
 101 100
 103 26.9 52.4 78.6#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 531.698 ug/L
 RT: 2.101 min Scan# 330
 Delta R.T. -0.007 min
 Lab File: VV027220.D
 Acq: 05 Aug 2022 12:24

Tgt Ion:101 Resp: 1103
 Ion Ratio Lower Upper
 101 100
 85 3.9 34.1 51.1#
 151 0.0 57.8 86.8#





#12

1,1-Dichloroethene

Concen: 577.784 ug/L

RT: 2.098 min Scan# 31

Delta R.T. -0.010 min

Lab File: VV027220.D

Acq: 05 Aug 2022 12:24

Instrument :

MSVOA_V

ClientSampleId :

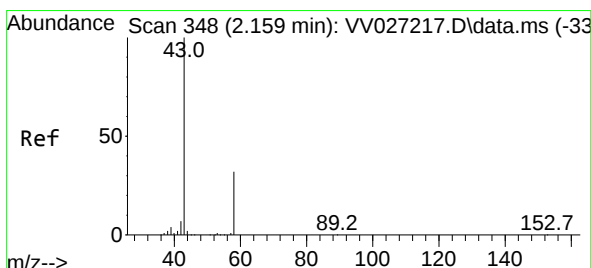
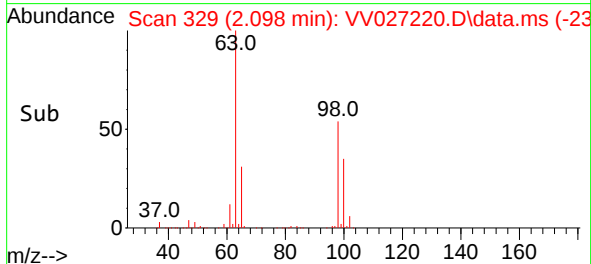
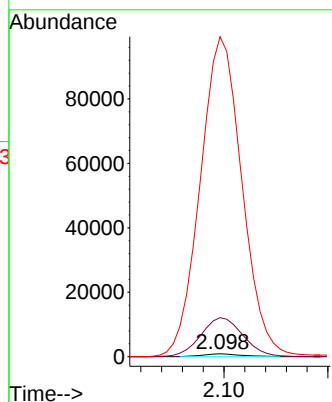
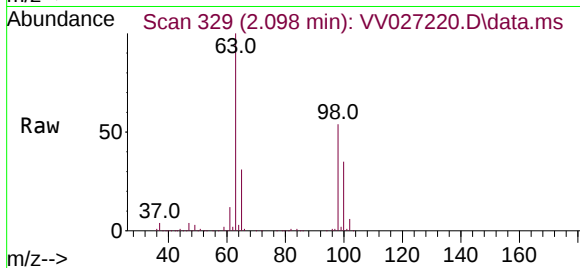
Tgt Ion: 96 Resp: 1153

Ion Ratio Lower Upper

96 100

61 1314.5 114.3 212.3#

63 10785.7 93.4 173.4#



#13

Acetone

Concen: 1191.673 ug/L

RT: 2.166 min Scan# 350

Delta R.T. 0.006 min

Lab File: VV027220.D

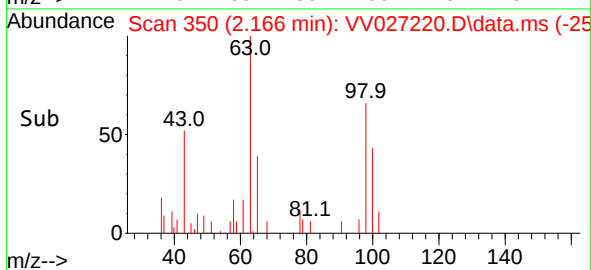
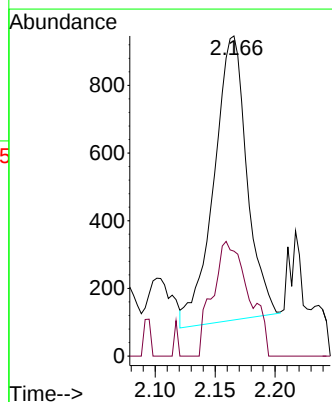
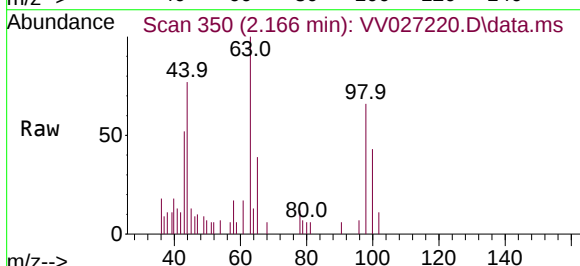
Acq: 05 Aug 2022 12:24

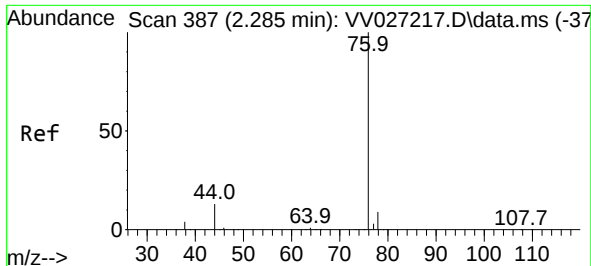
Tgt Ion: 43 Resp: 1606

Ion Ratio Lower Upper

43 100

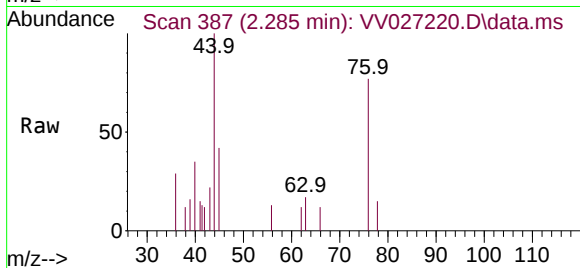
58 22.2 0.0 49.6



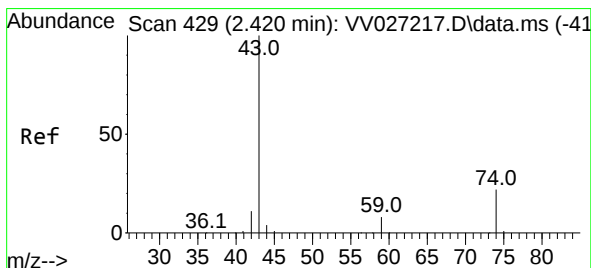
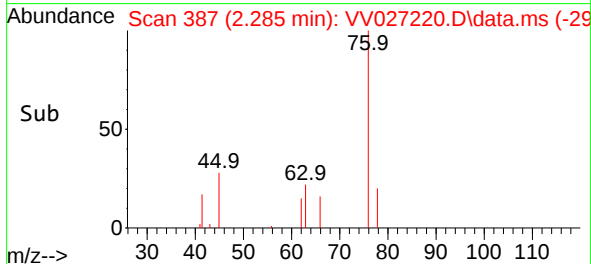
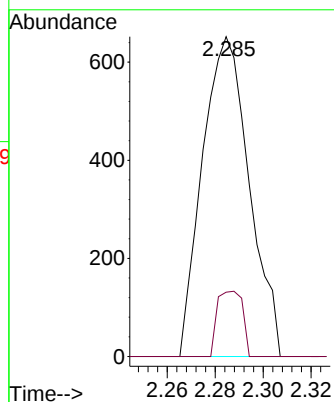


#14
Carbon disulfide
Concen: 130.305 ug/L
RT: 2.285 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV027220.D
Acq: 05 Aug 2022 12:24

Instrument :
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ClientSampleId :

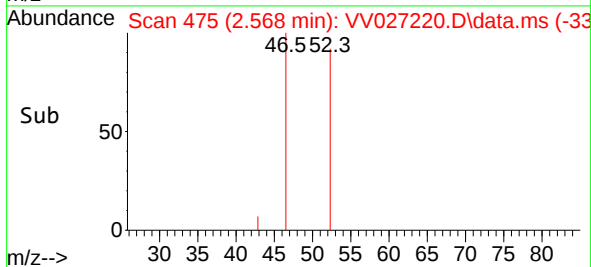
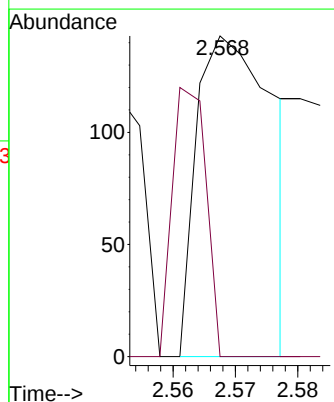
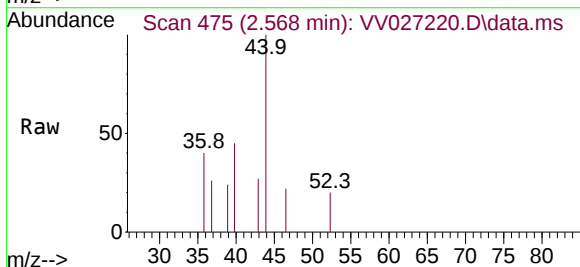


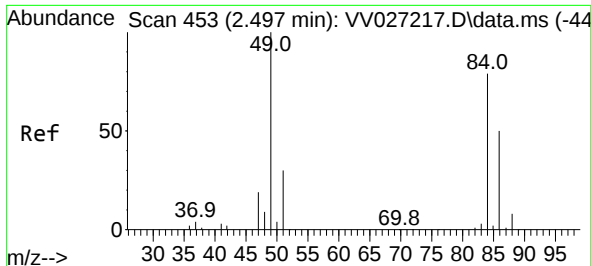
Tgt Ion: 76 Resp: 885
Ion Ratio Lower Upper
76 100
78 20.1 7.3 10.9#



#15
Methyl Acetate
Concen: 40.127 ug/L
RT: 2.568 min Scan# 475
Delta R.T. 0.148 min
Lab File: VV027220.D
Acq: 05 Aug 2022 12:24

Tgt Ion: 43 Resp: 123
Ion Ratio Lower Upper
43 100
74 36.6 25.5 38.3

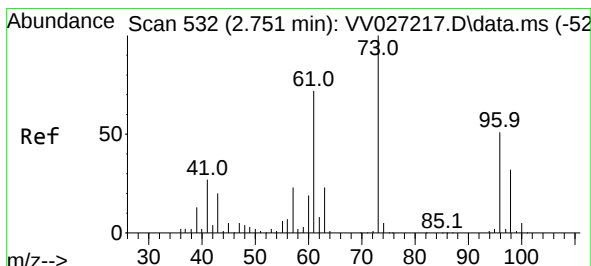
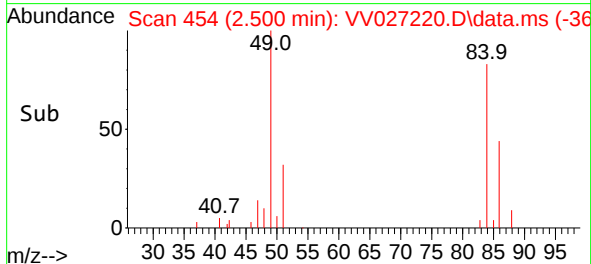
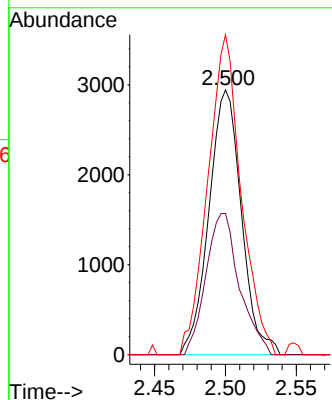
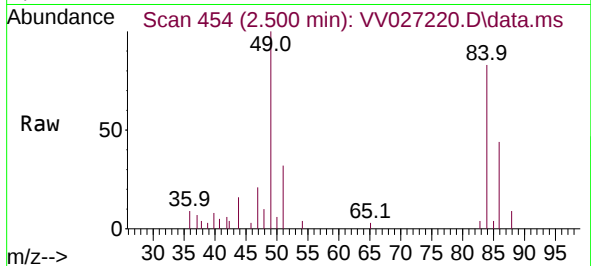




#16
Methylene chloride
Concen: 1763.958 ug/L
RT: 2.500 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV027220.D
Acq: 05 Aug 2022 12:24

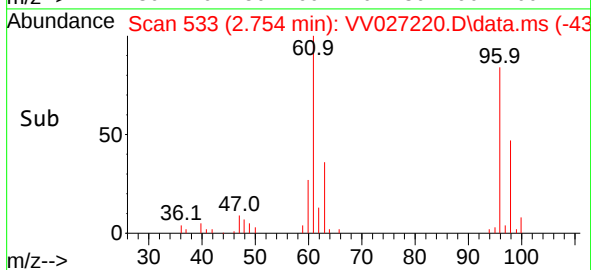
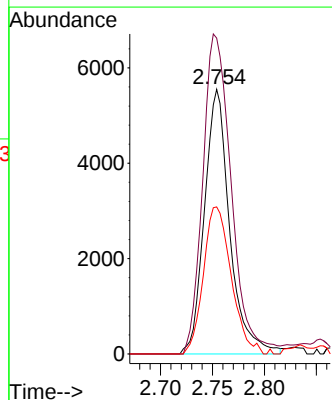
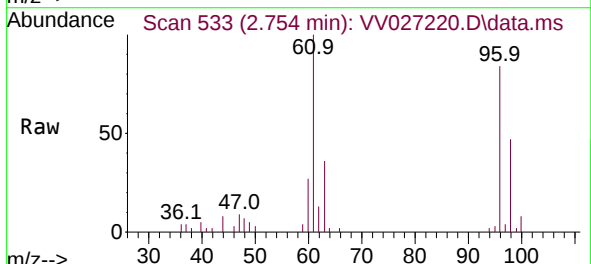
Instrument :
MSVOA_V
ClientSampleId :

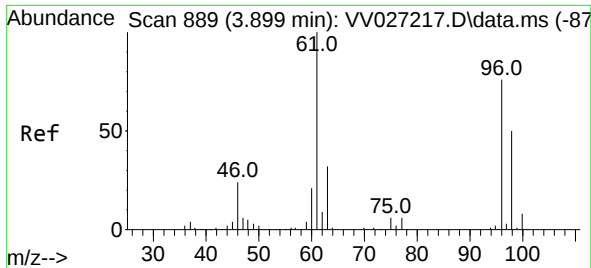
Tgt Ion: 84 Resp: 4702
Ion Ratio Lower Upper
84 100
86 53.4 45.0 83.6
49 120.9 74.1 137.7



#17
trans-1,2-Dichloroethene
Concen: 4251.208 ug/L
RT: 2.754 min Scan# 533
Delta R.T. 0.003 min
Lab File: VV027220.D
Acq: 05 Aug 2022 12:24

Tgt Ion: 96 Resp: 9388
Ion Ratio Lower Upper
96 100
61 119.3 89.2 165.6
98 55.6 44.6 82.8



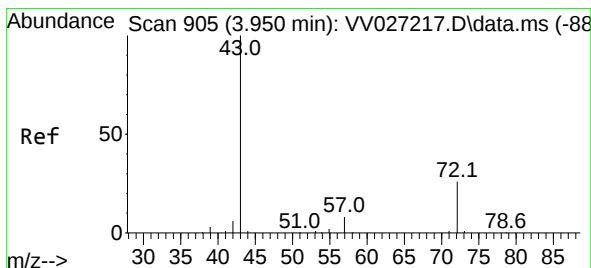
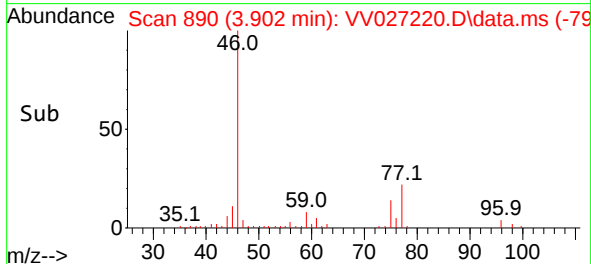
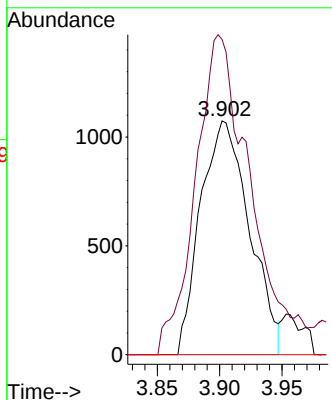
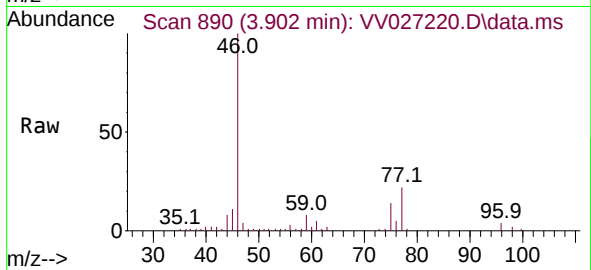


#20
 cis-1,2-Dichloroethene
 Concen: 1277.662 ug/L
 RT: 3.902 min Scan# 890
 Delta R.T. 0.003 min
 Lab File: VV027220.D
 Acq: 05 Aug 2022 12:24

Instrument :
 MSVOA_V
 ClientSampleId :

Tgt Ion: 96 Resp: 2931

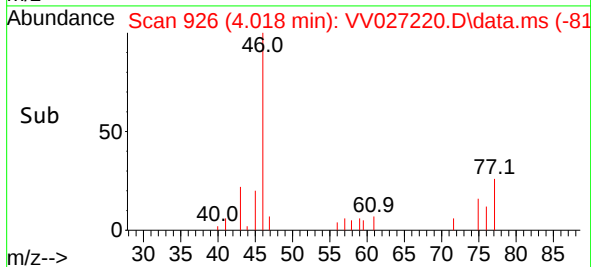
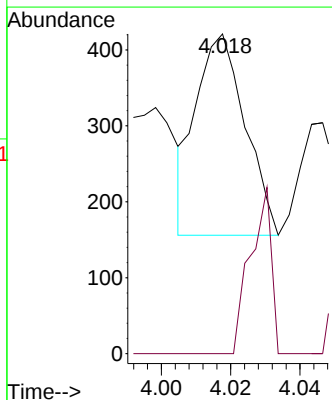
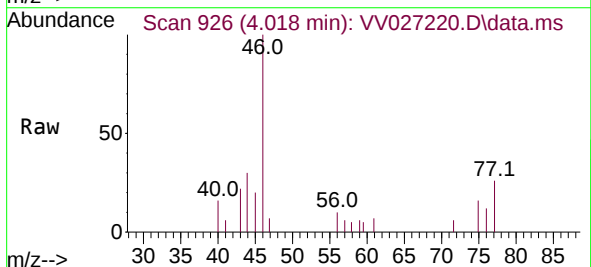
Ion	Ratio	Lower	Upper
96	100		
61	134.8	81.8	151.8
68	0.0	0.0	0.0

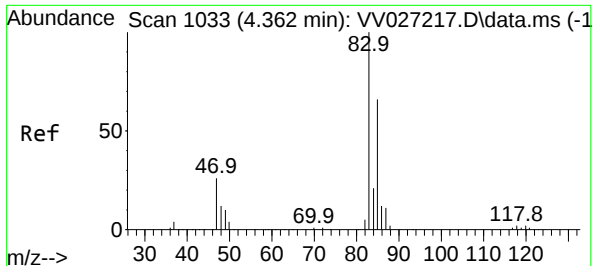


#22
 2-Butanone
 Concen: 141.803 ug/L
 RT: 4.018 min Scan# 926
 Delta R.T. 0.067 min
 Lab File: VV027220.D
 Acq: 05 Aug 2022 12:24

Tgt Ion: 43 Resp: 262

Ion	Ratio	Lower	Upper
43	100		
72	35.1	11.9	35.7





#25

Chloroform

Concen: 32.588 ug/L

RT: 4.413 min Scan# 1

Delta R.T. 0.051 min

Lab File: VV027220.D

Acq: 05 Aug 2022 12:24

Instrument :

MSVOA_V

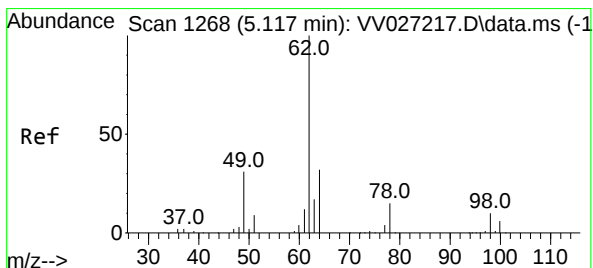
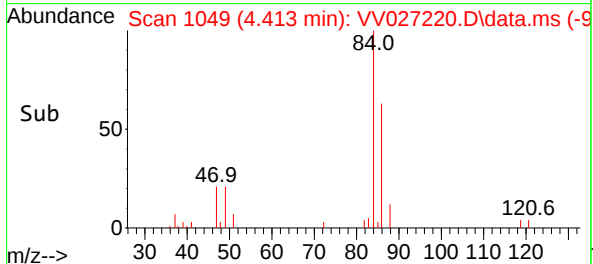
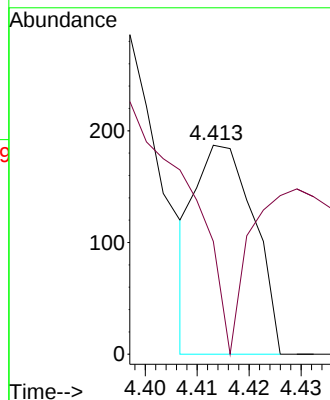
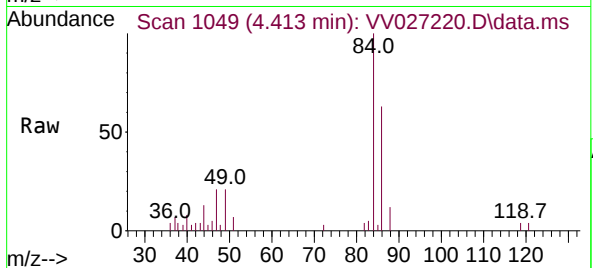
ClientSampleId :

Tgt Ion: 83 Resp: 146

Ion Ratio Lower Upper

83 100

85 54.0 45.4 84.4



#27

1,2-Dichloroethane

Concen: 715.919 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. -0.077 min

Lab File: VV027220.D

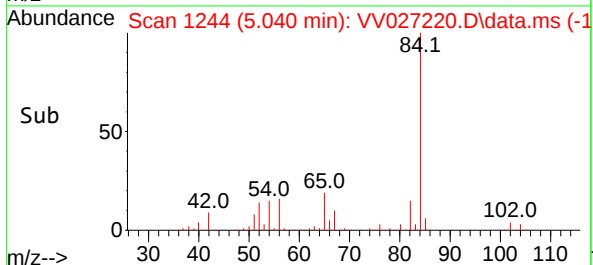
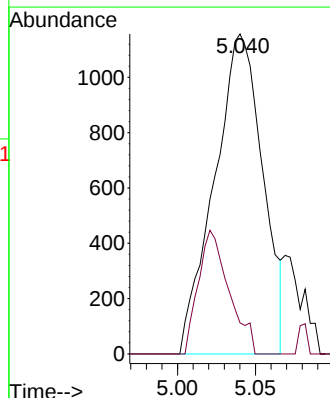
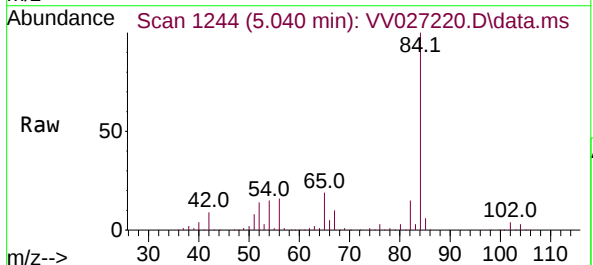
Acq: 05 Aug 2022 12:24

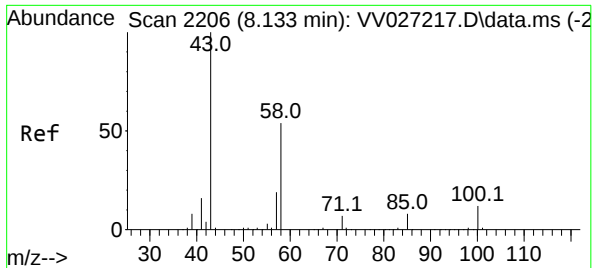
Tgt Ion: 62 Resp: 2498

Ion Ratio Lower Upper

62 100

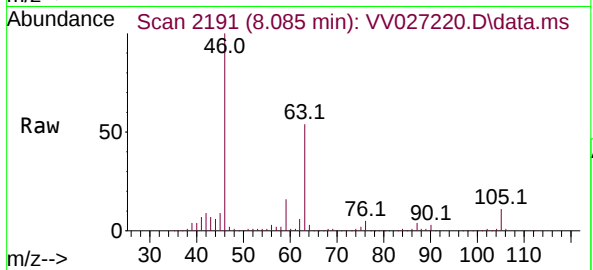
98 9.7 9.0 13.6





#48
 2-Hexanone
 Concen: 6.088 ug/L
 RT: 8.085 min Scan# 21
 Delta R.T. -0.048 min
 Lab File: VV027220.D
 Acq: 05 Aug 2022 12:24

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 43	Resp: 20676
Ion Ratio	Lower Upper
43	100
58	36.8 50.8 76.2#
57	38.7 17.1 25.7#
100	4.1 12.3 18.5#

