

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101518\
 Data File : VV008279.D
 Acq On : 15 Oct 2018 17:18
 Operator : SY/MD
 Sample : J5407-01
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 16 05:25:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 16 05:17:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	76545	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	68120	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	26392	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	21130	4.88	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.60%
7) Chloroethane-d5	1.58	69	14748	4.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.40%
11) 1,1-Dichloroethene-d2	2.14	63	29180	3.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.40%
20) 2-Butanone-d5	3.96	46	67234	46.34	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.68%
24) Chloroform-d	4.41	84	40963	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.80%
26) 1,2-Dichloroethane-d4	5.09	65	20902	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.20%
32) Benzene-d6	5.10	84	90432	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
36) 1,2-Dichloropropane-d6	6.13	67	31026	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.36	98	79964	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.20%
43) trans-1,3-Dichloropropene-	7.67	79	11709	4.29	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.80%
46) 2-Hexanone-d5	8.14	63	39909	41.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.34%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	18875	4.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	22893	4.57	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	2428	0.426	ug/L	88
8) Chloroethane	1.32	64	1021	0.345	ug/L	83
12) 1,1-Dichloroethene	2.14	96	793	0.216	ug/L #	1
13) Acetone	2.21	43	1480	1.885	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	568	0.144	ug/L	76
22) cis-1,2-Dichloroethene	3.96	96	64121	10.039	ug/L #	98
25) Chloroform	4.43	83	1038	0.104	ug/L	97
34) Trichloroethene	5.96	95	658952	103.586	ug/L	98
35) Methylcyclohexane	6.12	83	7530	0.702	ug/L #	19
37) 1,2-Dichloropropane	6.12	63	2913	0.470	ug/L #	90
39) cis-1,3-Dichloropropene	7.03	75	756	0.086	ug/L #	74
44) trans-1,3-Dichloropropene	7.67	75	605	0.086	ug/L #	44
47) Tetrachloroethene	8.02	164	2993	0.751	ug/L	95
48) 2-Hexanone	8.20	43	13090	4.721	ug/L #	88
49) Dibromochloromethane	8.02	129	3208	0.732	ug/L #	10
51) Chlorobenzene	8.93	112	2224	0.156	ug/L	88

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QLast Update : Tue Oct 16 05:17:07 2018
Response via : Initial Calibration

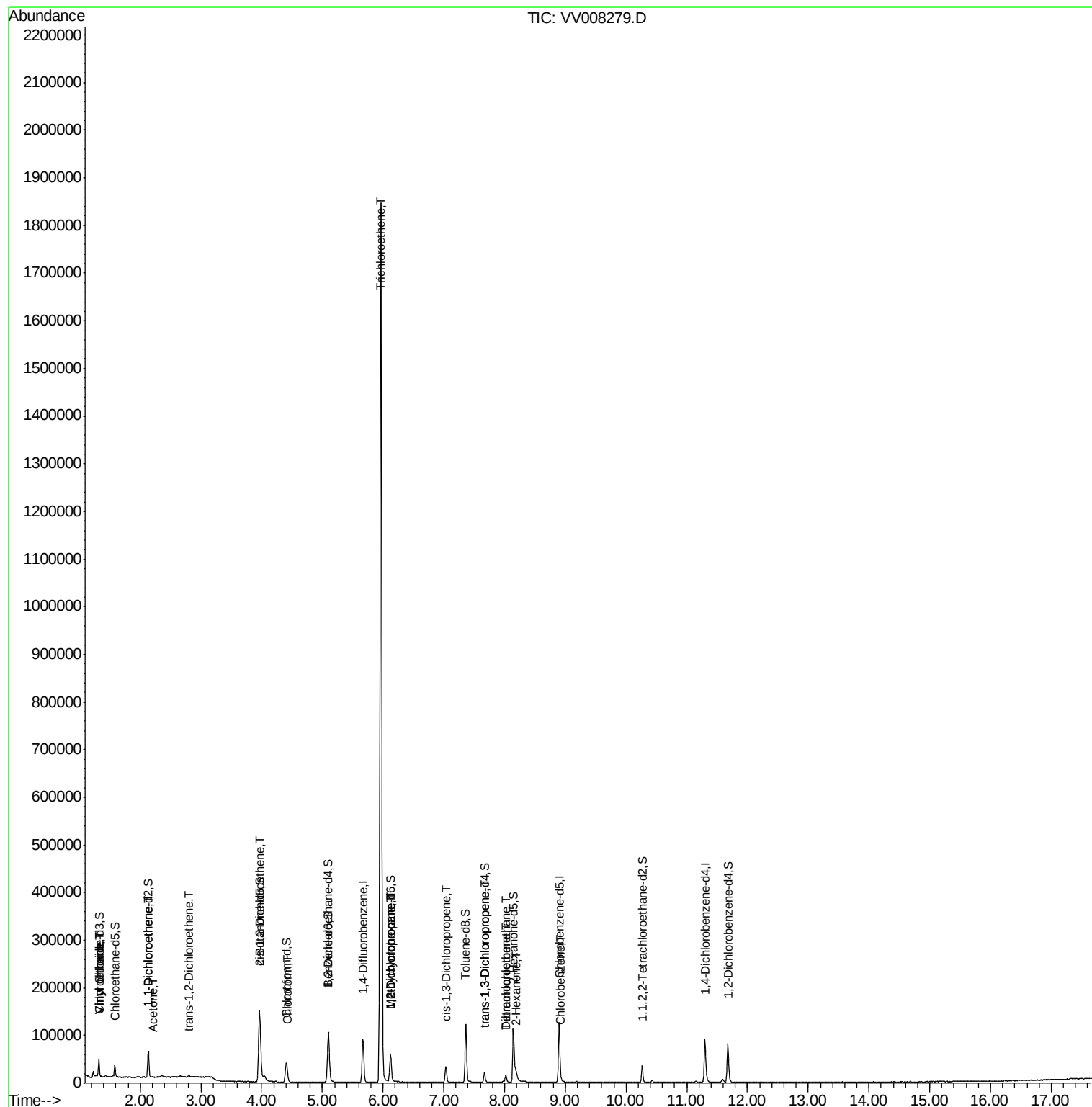
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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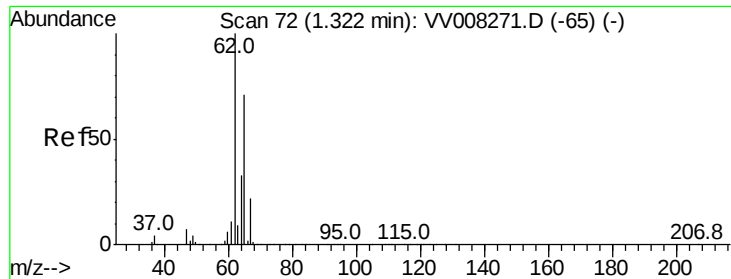
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.426 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008279.D

Acq: 15 Oct 2018 17:18

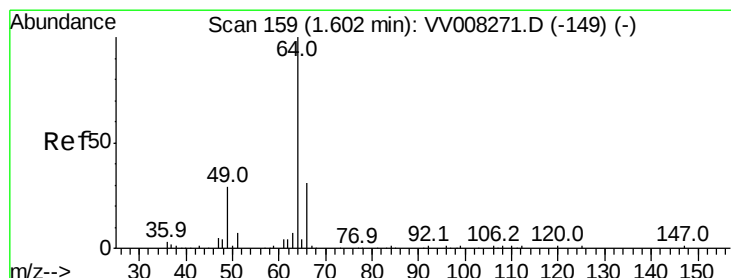
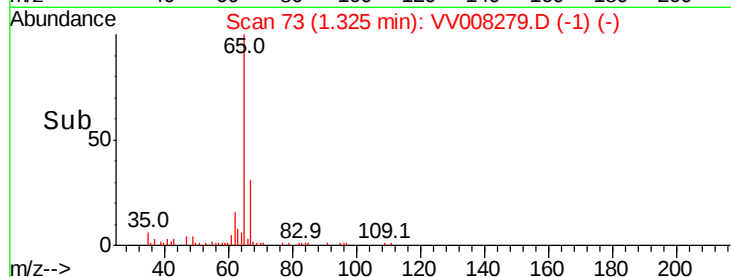
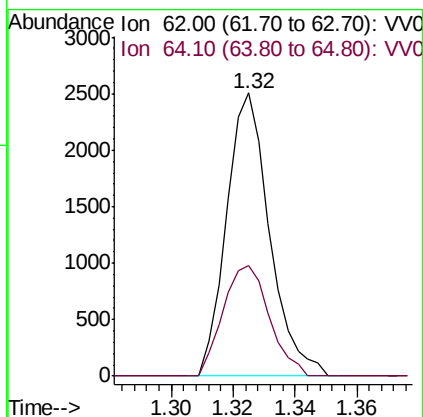
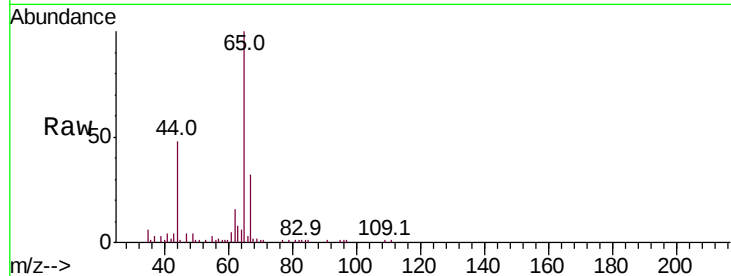
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 2428

Ion Ratio Lower Upper

62 100

64 39.3 22.9 42.5



#8

Chloroethane

Concen: 0.345 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.28 min

Lab File: VV008279.D

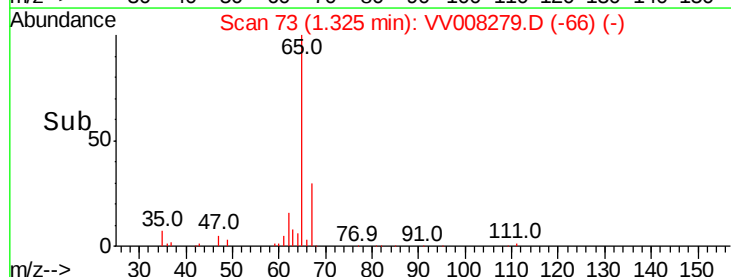
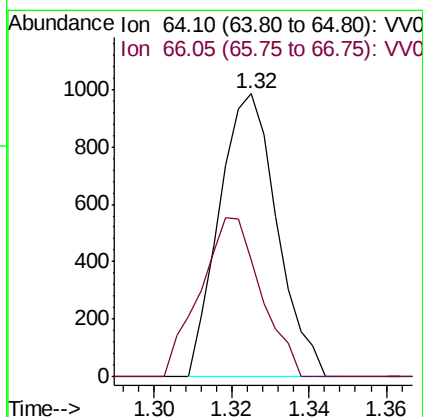
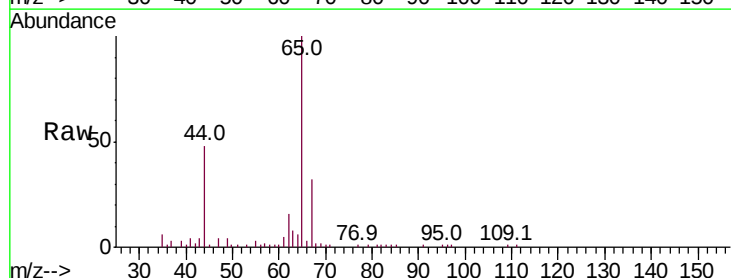
Acq: 15 Oct 2018 17:18

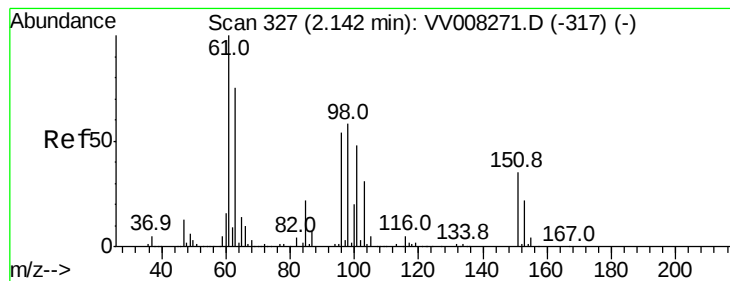
Tgt Ion: 64 Resp: 1021

Ion Ratio Lower Upper

64 100

66 41.5 22.5 41.9





#12

1,1-Dichloroethene

Concen: 0.216 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV008279.D

Acq: 15 Oct 2018 17:18

Instrument :
MSVOA_V
ClientSampleId :

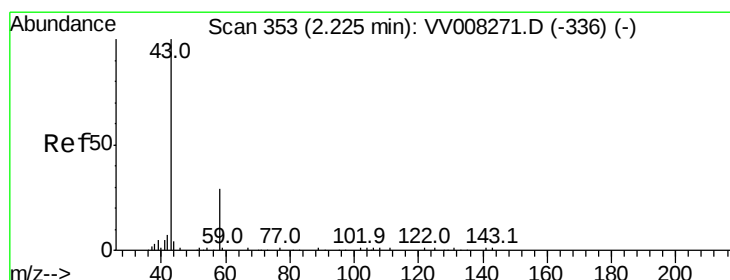
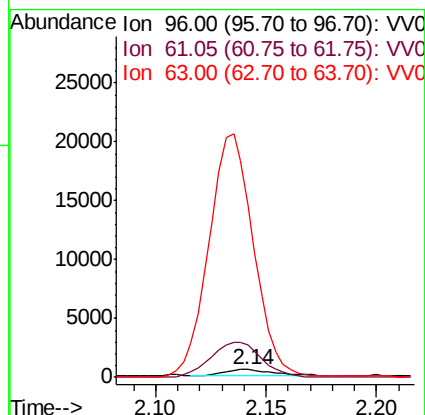
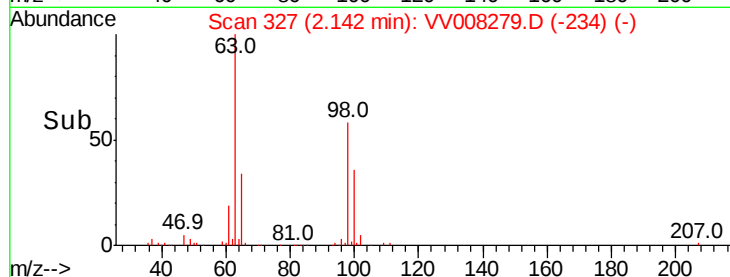
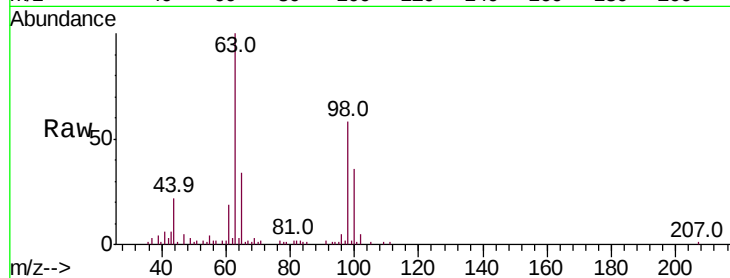
Tot Ion: 96 Resp: 793

Ion Ratio Lower Upper

96 100

61 407.1 129.9 241.3#

63 2165.7 103.0 191.4#



#13

Acetone

Concen: 1.885 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.02 min

Lab File: VV008279.D

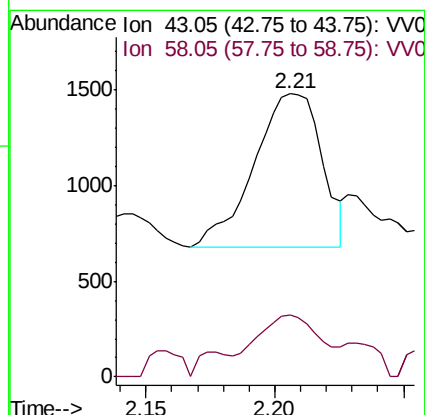
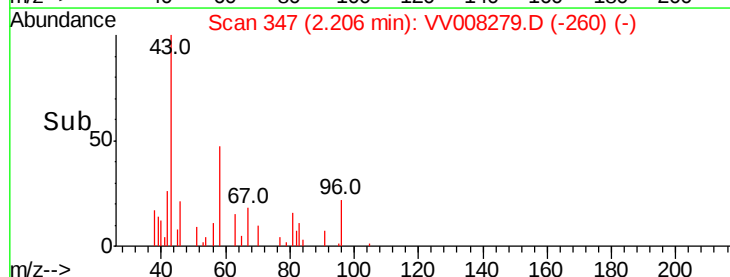
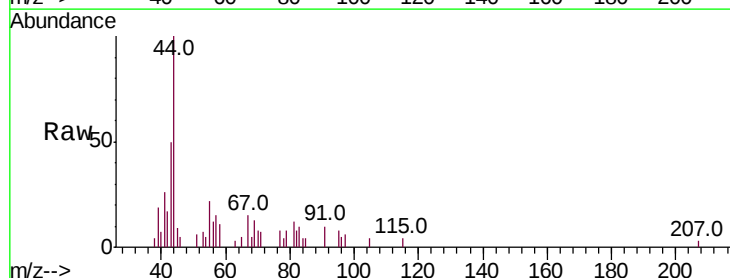
Acq: 15 Oct 2018 17:18

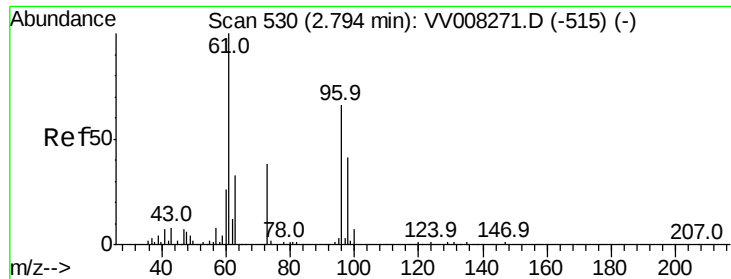
Tgt Ion: 43 Resp: 1480

Ion Ratio Lower Upper

43 100

58 32.2 0.0 62.0

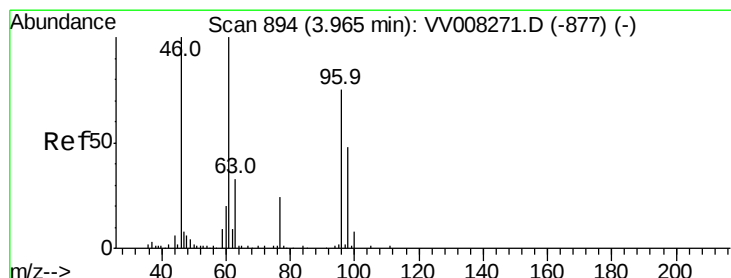
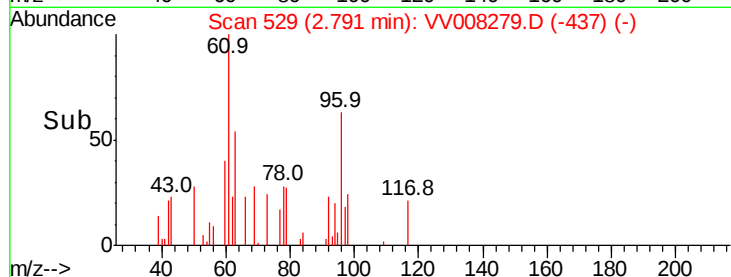
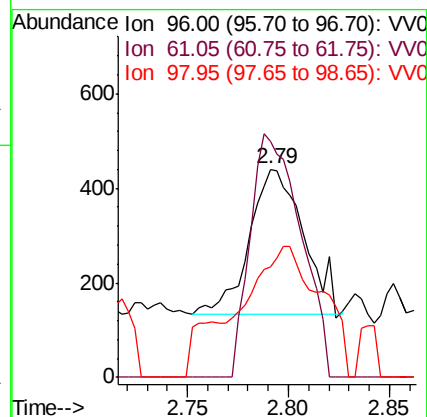
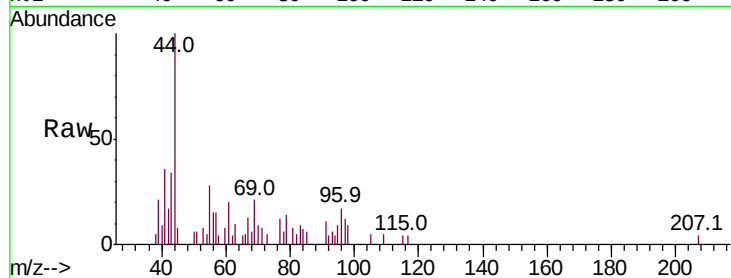




#18
trans-1,2-Dichloroethene
Concen: 0.144 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV008279.D
Acq: 15 Oct 2018 17:18

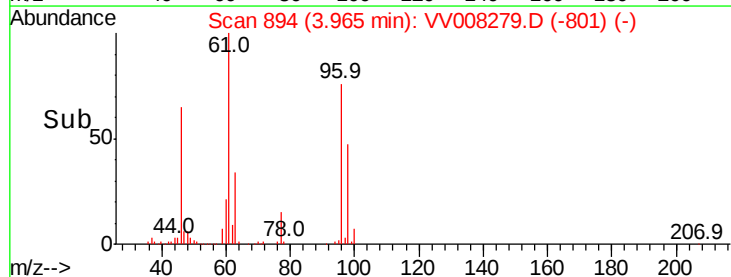
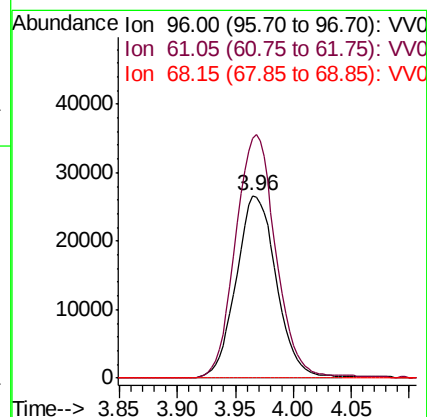
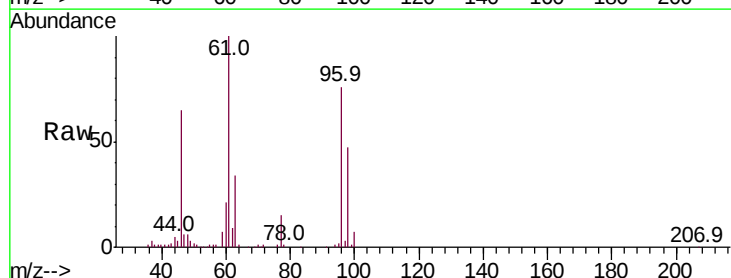
Instrument :
MSVOA_V
ClientSampled :

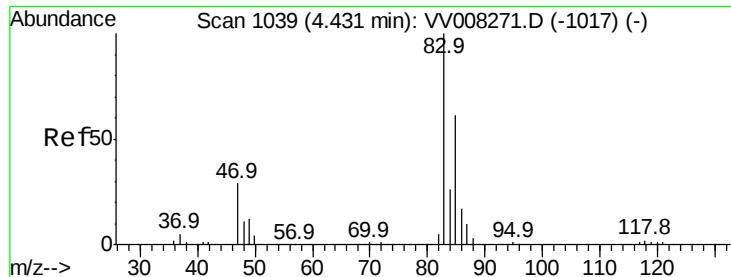
Tot Ion: 96 Resp: 568
Ion Ratio Lower Upper
96 100
61 112.9 104.6 194.2
98 53.1 44.1 81.9



#22
cis-1,2-Dichloroethene
Concen: 10.039 ug/L
RT: 3.96 min Scan# 894
Delta R.T. -0.00 min
Lab File: VV008279.D
Acq: 15 Oct 2018 17:18

Tgt Ion: 96 Resp: 64121
Ion Ratio Lower Upper
96 100
61 131.2 93.7 174.1
68 0.0 0.6 1.2#

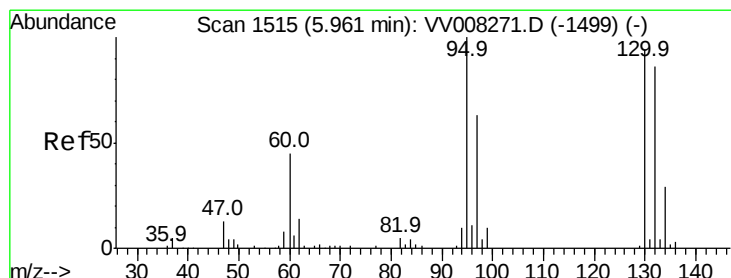
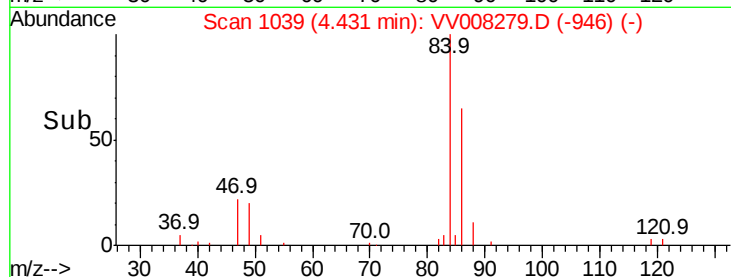
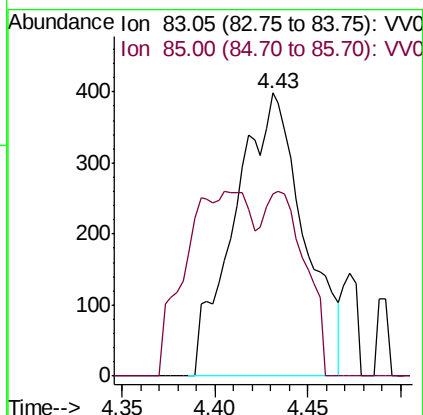
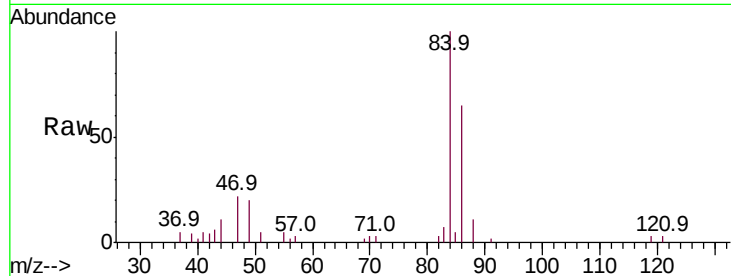




#25
Chloroform
Concen: 0.104 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. -0.00 min
Lab File: VV008279.D
Acq: 15 Oct 2018 17:18

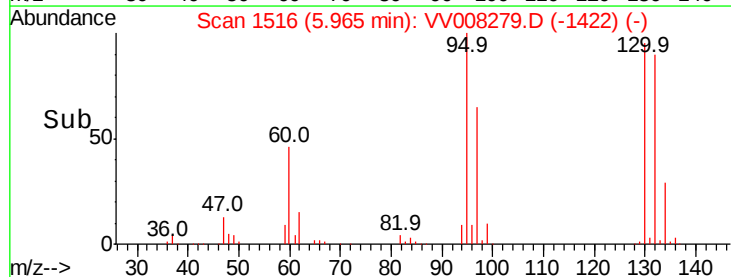
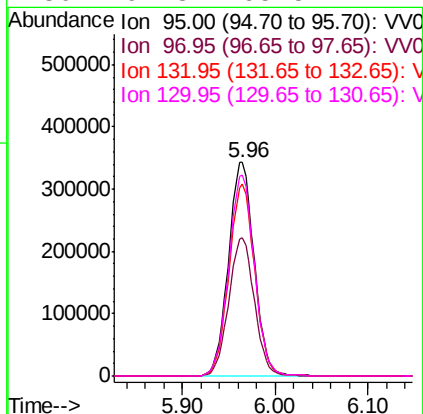
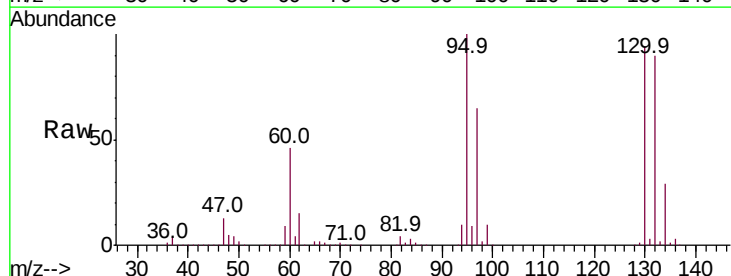
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MSVOA_V
ClientSampleId :

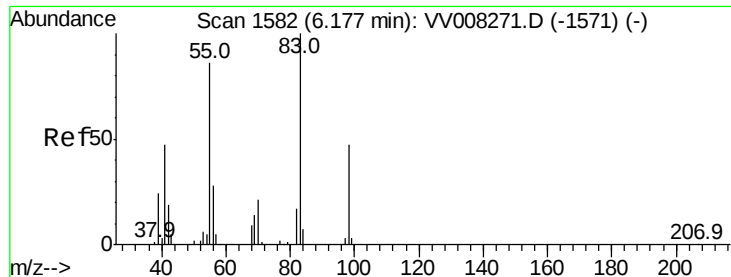
Tot Ion: 83 Resp: 1038
Ion Ratio Lower Upper
83 100
85 64.6 43.4 80.6



#34
Trichloroethene
Concen: 103.586 ug/L
RT: 5.96 min Scan# 1516
Delta R.T. 0.00 min
Lab File: VV008279.D
Acq: 15 Oct 2018 17:18

Tgt Ion: 95 Resp: 658952
Ion Ratio Lower Upper
95 100
97 64.6 44.4 82.4
132 89.8 60.4 112.2
130 94.3 65.5 121.7

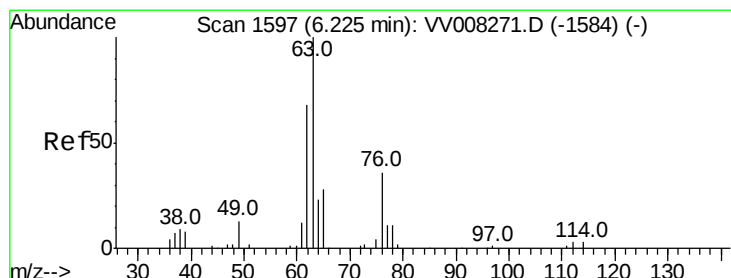
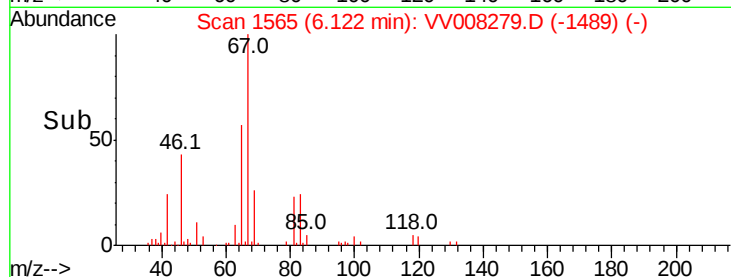
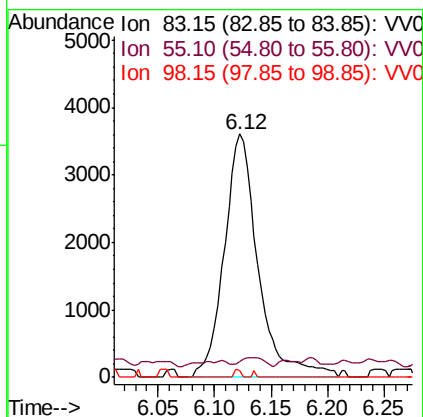
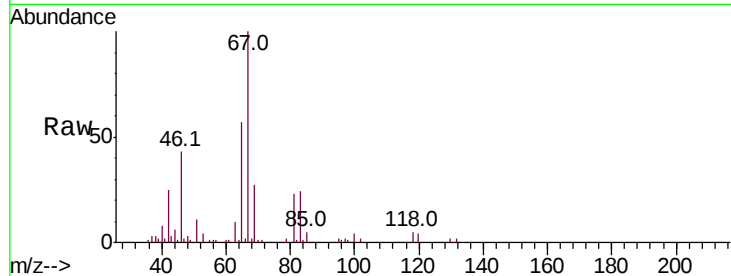




#35
Methvlcvclohexane
Concen: 0.702 ug/L
RT: 6.12 min Scan# 1565
Delta R.T. -0.05 min
Lab File: VV008279.D
Acq: 15 Oct 2018 17:18

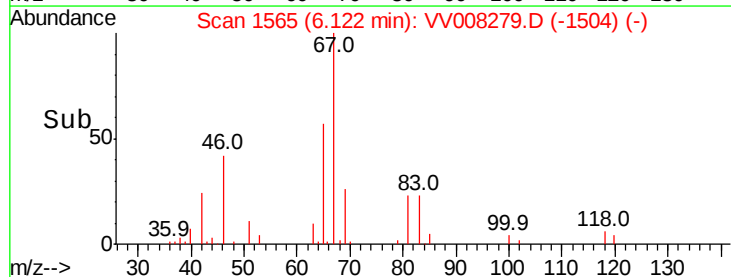
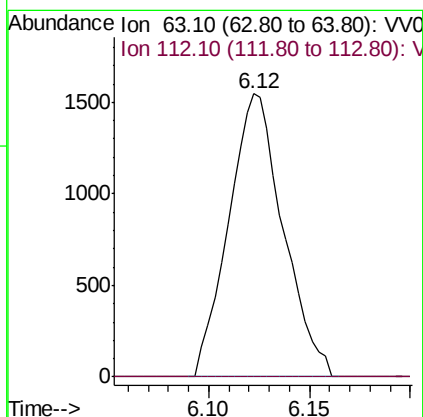
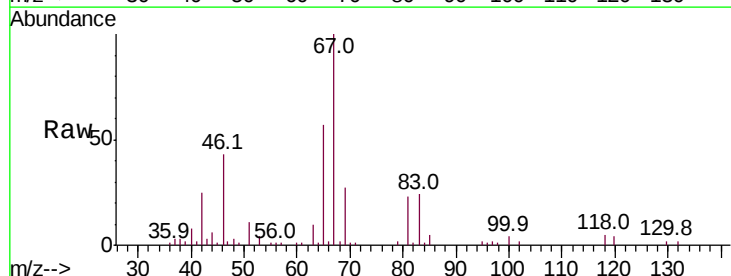
Instrument :
MSVOA_V
ClientSampleId :

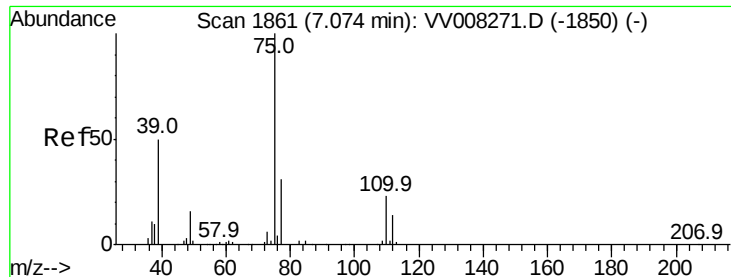
Tot Ion: 83 Resp: 7530
Ion Ratio Lower Upper
83 100
55 2.5 64.0 96.0#
98 0.0 37.0 55.4#



#37
1,2-Dichloropropane
Concen: 0.470 ug/L
RT: 6.12 min Scan# 1565
Delta R.T. -0.10 min
Lab File: VV008279.D
Acq: 15 Oct 2018 17:18

Tgt Ion: 63 Resp: 2913
Ion Ratio Lower Upper
63 100
112 0.0 2.6 3.8#





#39

cis-1,3-Dichloropropene

Concen: 0.086 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.04 min

Lab File: VV008279.D

Acq: 15 Oct 2018 17:18

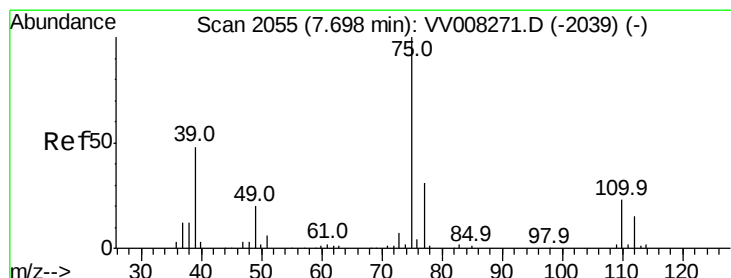
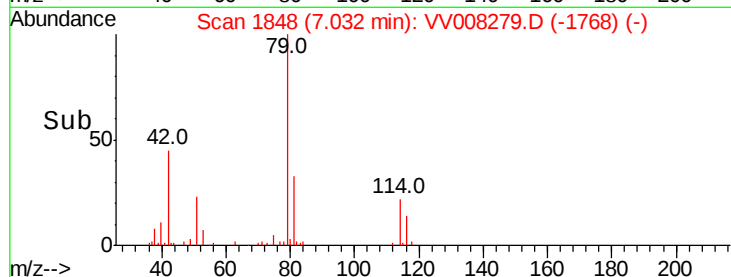
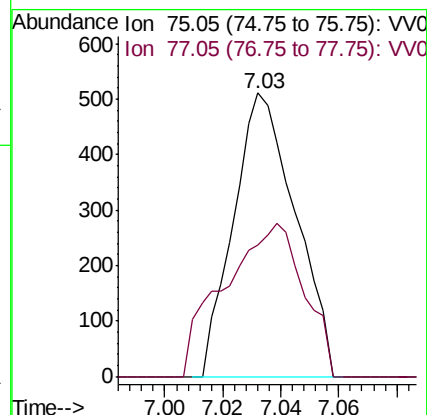
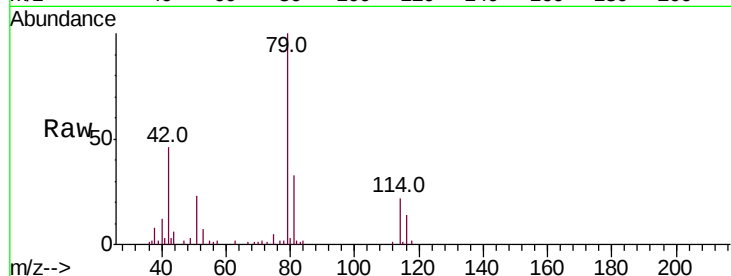
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 756

Ion Ratio Lower Upper

75 100

77 46.2 22.3 41.3#



#44

trans-1,3-Dichloropropene

Concen: 0.086 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV008279.D

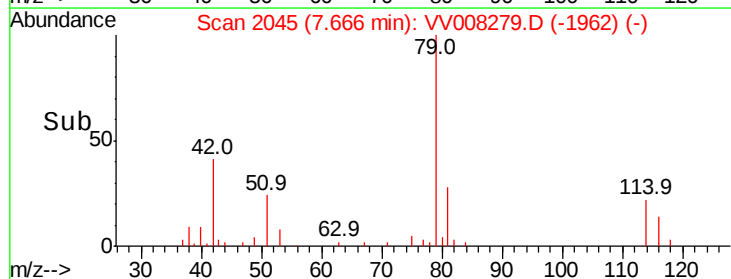
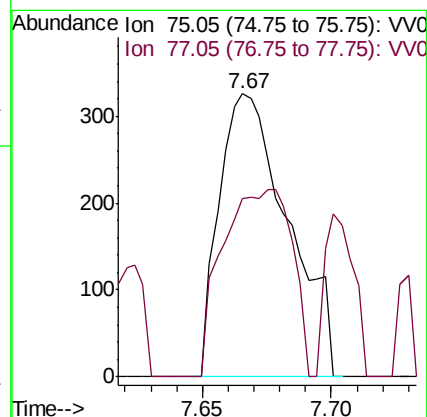
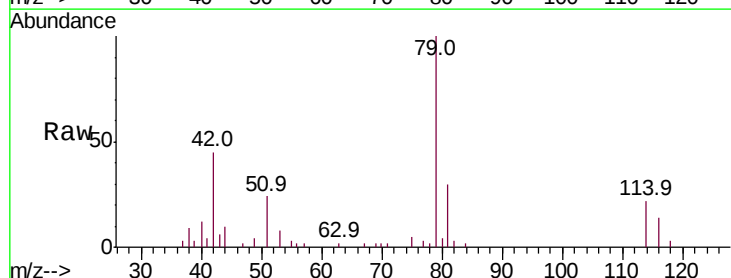
Acq: 15 Oct 2018 17:18

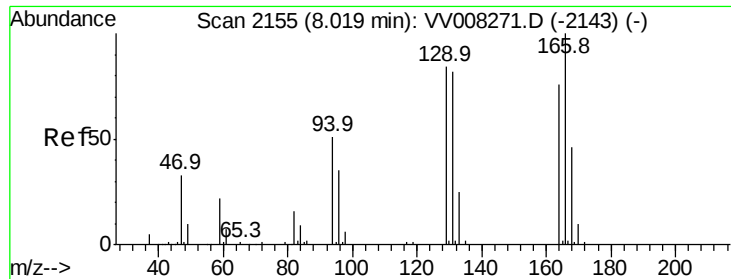
Tgt Ion: 75 Resp: 605

Ion Ratio Lower Upper

75 100

77 62.9 22.3 41.5#

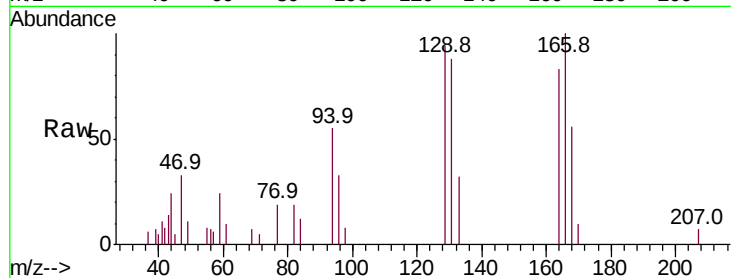




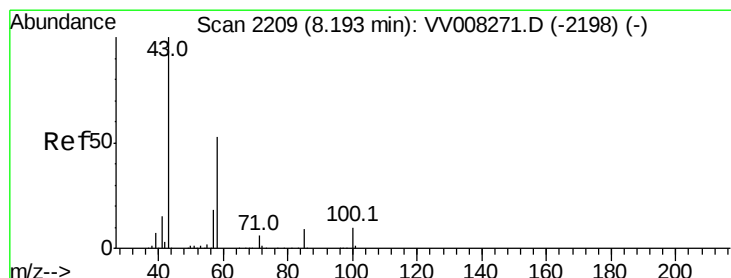
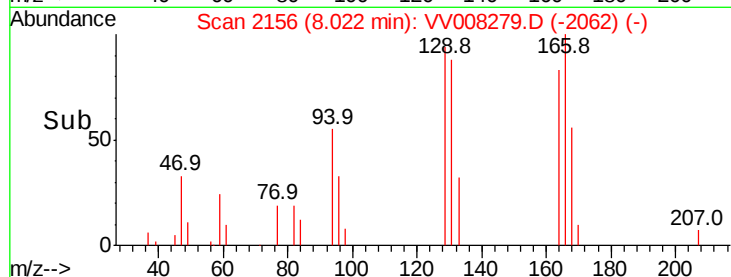
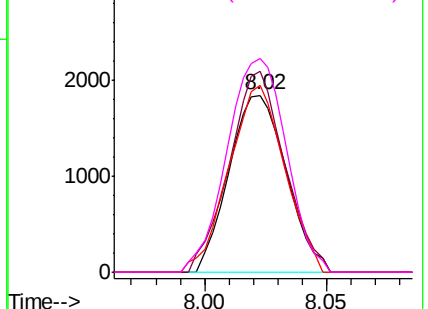
#47
Tetrachloroethene
Concen: 0.751 ug/L
RT: 8.02 min Scan# 2156
Delta R.T. 0.00 min
Lab File: VV008279.D
Acq: 15 Oct 2018 17:18

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 2993
Ion Ratio Lower Upper
164 100
129 113.3 76.5 142.1
131 105.7 74.7 138.7
166 120.6 91.6 170.0

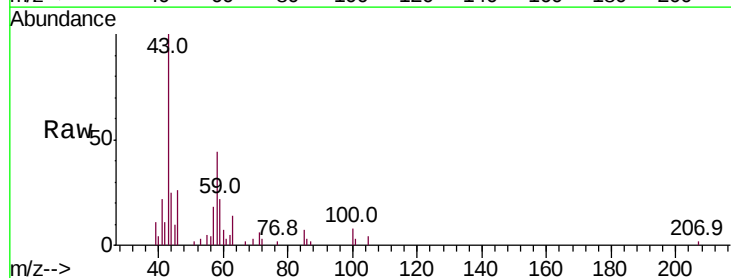


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

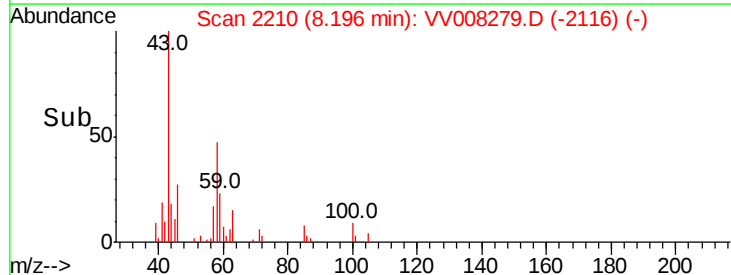
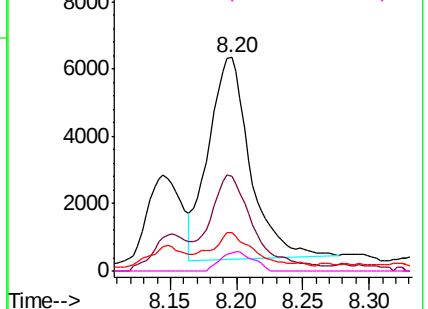


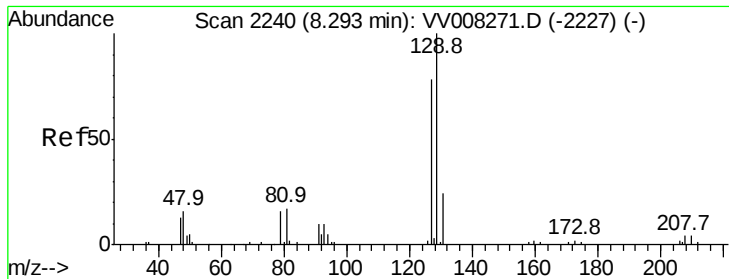
#48
2-Hexanone
Concen: 4.721 ug/L
RT: 8.20 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VV008279.D
Acq: 15 Oct 2018 17:18

Tgt Ion: 43 Resp: 13090
Ion Ratio Lower Upper
43 100
58 45.6 45.0 67.4
57 14.4 14.4 21.6#
100 7.3 7.9 11.9#



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

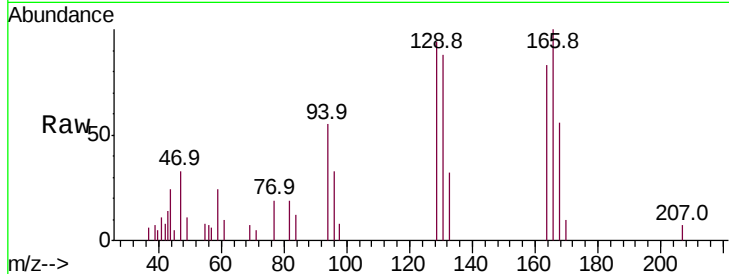




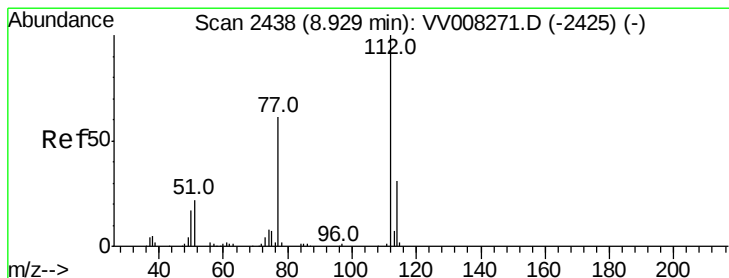
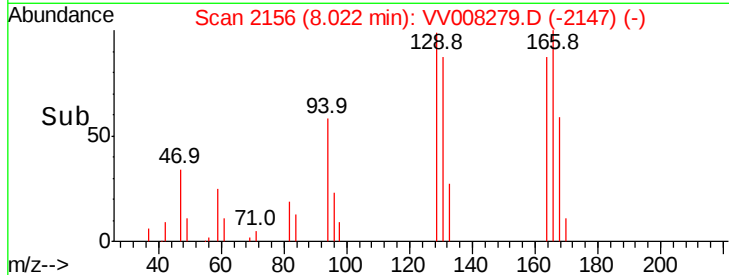
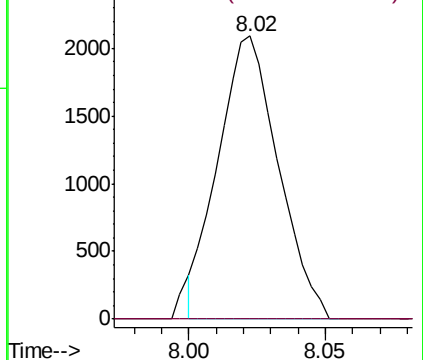
#49
Dibromochloromethane
Concen: 0.732 ug/L
RT: 8.02 min Scan# 2156
Delta R.T. -0.27 min
Lab File: VV008279.D
Acq: 15 Oct 2018 17:18

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:129 Resp: 3208
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.7#

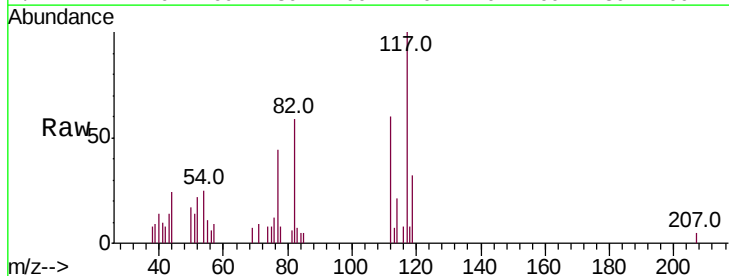


Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V



#51
Chlorobenzene
Concen: 0.156 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. -0.00 min
Lab File: VV008279.D
Acq: 15 Oct 2018 17:18

Tgt Ion:112 Resp: 2224
Ion Ratio Lower Upper
112 100
114 34.6 21.6 40.0
77 73.2 49.7 74.5



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VV0

