

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082718\
 Data File : VV007219.D
 Acq On : 27 Aug 2018 19:28
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 28 01:42:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082118WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Aug 28 01:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	352809	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	353230	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	170044	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	128767	5.22	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.40%
7) Chloroethane-d5	1.58	69	99873	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.80%
11) 1,1-Dichloroethene-d2	2.13	63	217072	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.00%
20) 2-Butanone-d5	3.97	46	277153	48.34	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.68%
24) Chloroform-d	4.41	84	245665	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	5.09	65	120517	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
32) Benzene-d6	5.10	84	492141	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
36) 1,2-Dichloropropane-d6	6.12	67	153995	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.20%
41) Toluene-d8	7.36	98	453811	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.80%
43) trans-1,3-Dichloropropene-	7.67	79	56404	5.01	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.20%
46) 2-Hexanone-d5	8.15	63	151223	45.11	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.22%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	125720	5.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	162472	5.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	132711	4.375	ug/L 100
3) Chloromethane	1.25	50	151049	4.566	ug/L 100
5) Vinyl chloride	1.32	62	140669	4.562	ug/L 98
6) Bromomethane	1.54	94	50312	4.967	ug/L 99
8) Chloroethane	1.60	64	83694	4.408	ug/L 97
9) Trichlorofluoromethane	1.77	101	192642	4.641	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	119685	4.612	ug/L 100
12) 1,1-Dichloroethene	2.14	96	110216	4.535	ug/L 93
13) Acetone	2.21	43	134091	40.691	ug/L 89
14) Carbon disulfide	2.32	76	328943	4.708	ug/L 100
15) Methyl Acetate	2.47	43	34567	4.042	ug/L 97
16) Methylene chloride	2.54	84	122729	4.313	ug/L 97
17) Methyl tert-butyl Ether	2.82	73	277349	4.775	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	122507	4.653	ug/L 99
19) 1,1-Dichloroethane	3.23	63	244461	4.916	ug/L 99
21) 2-Butanone	4.05	43	294592	43.420	ug/L 89
22) cis-1,2-Dichloroethene	3.97	96	137979	4.743	ug/L 98

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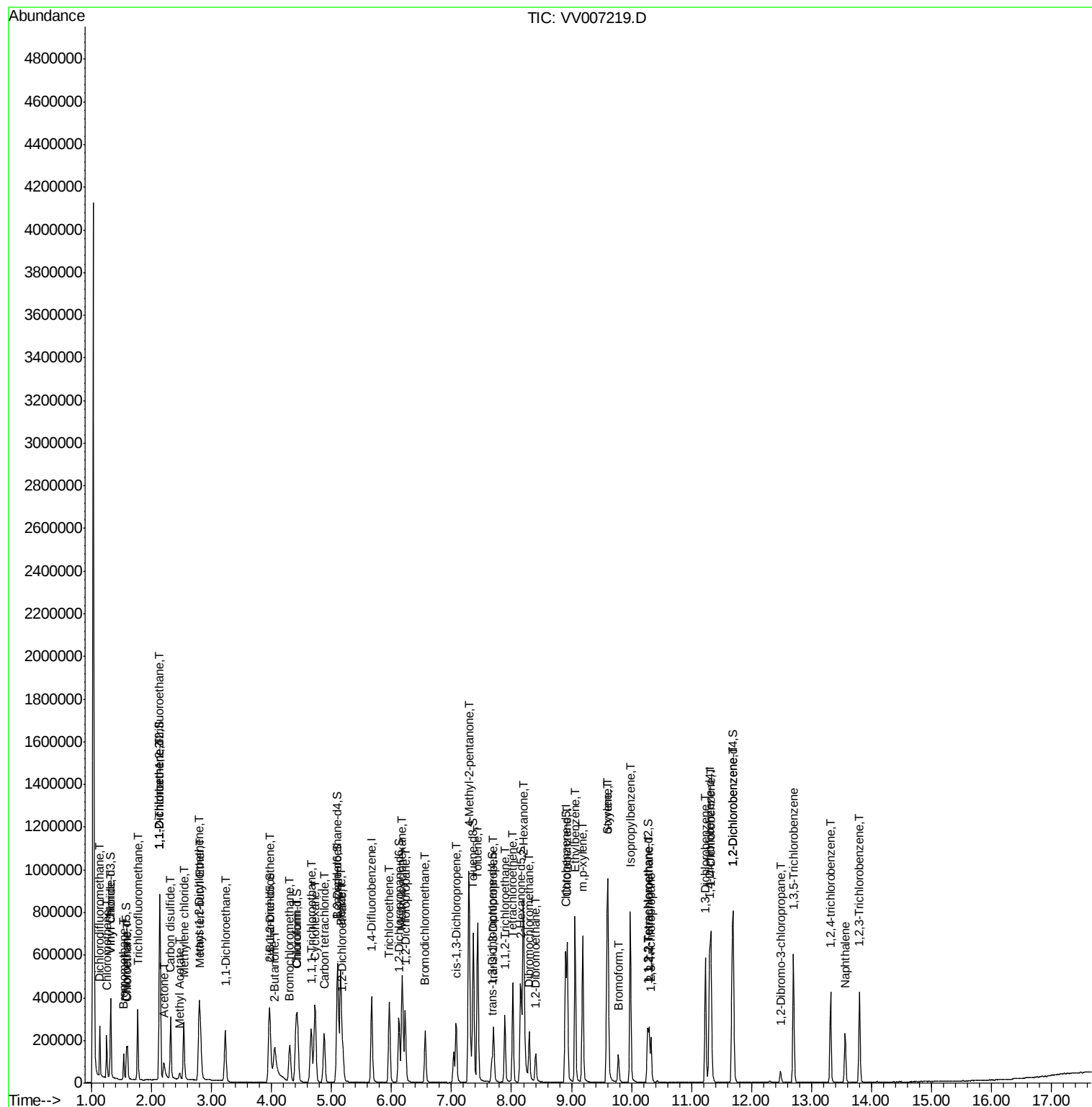
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	62640	4.717	ug/L	90
25) Chloroform	4.43	83	248100	4.677	ug/L	96
27) 1,2-Dichloroethane	5.19	62	150045	4.980	ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	204352	4.455	ug/L	99
30) Cyclohexane	4.73	56	183529	4.460	ug/L	99
31) Carbon tetrachloride	4.88	117	174190	4.532	ug/L	98
33) Benzene	5.15	78	537924	4.615	ug/L	100
34) Trichloroethene	5.96	95	132221	4.713	ug/L	97
35) Methylcyclohexane	6.18	83	195607	4.661	ug/L	98
37) 1,2-Dichloropropane	6.23	63	137147	4.357	ug/L	99
38) Bromodichloromethane	6.56	83	170342	4.658	ug/L	97
39) cis-1,3-Dichloropropene	7.08	75	174501	4.691	ug/L	98
40) 4-Methyl-2-pentanone	7.29	43	785145	51.229	ug/L	97
42) Toluene	7.44	91	548867	4.920	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	150728	4.876	ug/L	97
45) 1,1,2-Trichloroethane	7.89	97	102112	4.836	ug/L	97
47) Tetrachloroethene	8.02	164	110277	4.707	ug/L	99
48) 2-Hexanone	8.20	43	614742	53.351	ug/L	96
49) Dibromochloromethane	8.30	129	115034	4.947	ug/L	99
50) 1,2-Dibromoethane	8.40	107	88764	5.016	ug/L	99
51) Chlorobenzene	8.93	112	352618	4.796	ug/L	99
52) Ethylbenzene	9.06	91	533775	4.857	ug/L	100
53) m,p-xylene	9.19	106	204376	4.910	ug/L	97
54) o-xylene	9.59	106	194592	4.902	ug/L	98
55) Styrene	9.61	104	351492	5.195	ug/L	97
56) Isopropylbenzene	9.98	105	510890	4.957	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	123078	4.938	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	89554	4.974	ug/L	98
61) Bromoform	9.78	173	61873	4.586	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	257581	4.732	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	272572	4.776	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	268632	4.907	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	14260	4.519	ug/L	85
67) 1,3,5-Trichlorobenzene	12.70	180	197971	4.845	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	140780	5.151	ug/L	99
69) Naphthalene	13.56	128	195144	5.385	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	141028	5.281	ug/L	99

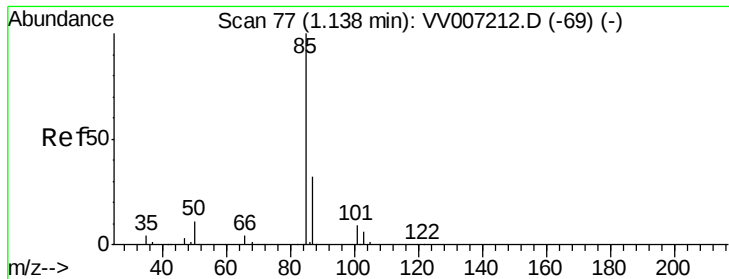
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.375 ug/L

RT: 1.14 min Scan# 77

Delta R.T. 0.00 min

Lab File: VV007219.D

Acq: 27 Aug 2018 19:28

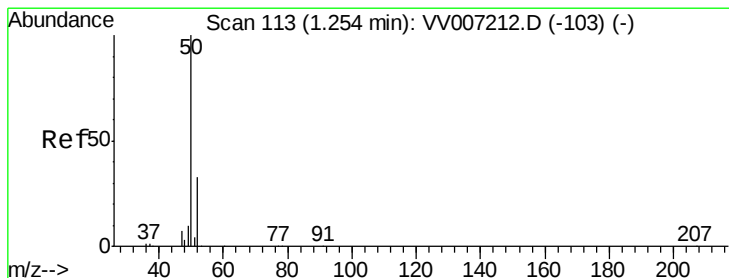
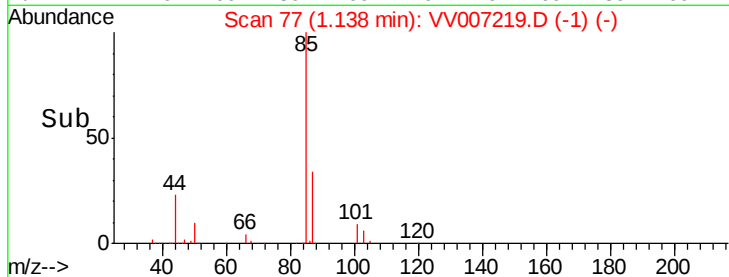
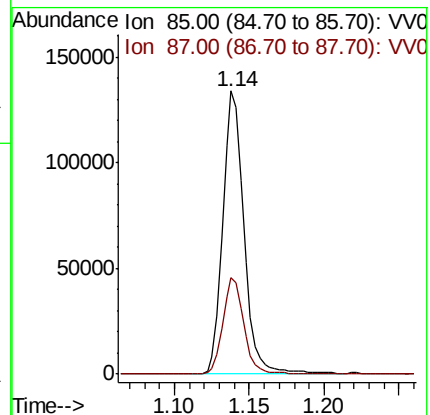
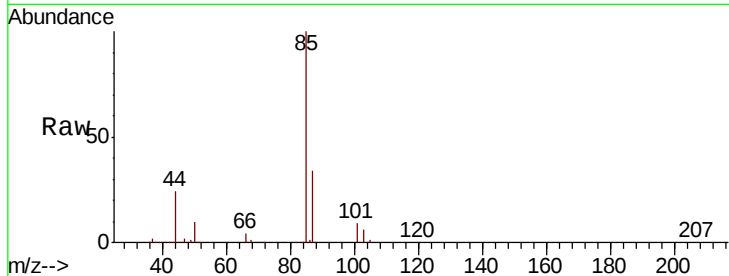
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 132711

Ion Ratio Lower Upper

85 100

87 33.7 26.8 40.2



#3

Chloromethane

Concen: 4.566 ug/L

RT: 1.25 min Scan# 113

Delta R.T. 0.00 min

Lab File: VV007219.D

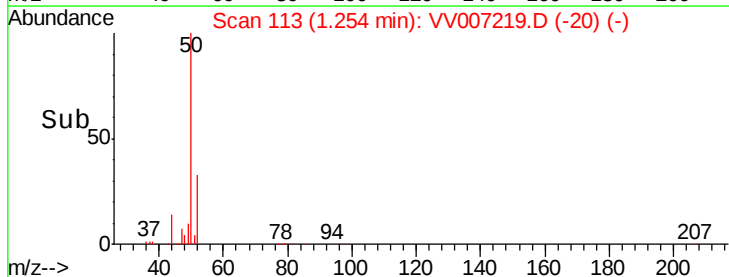
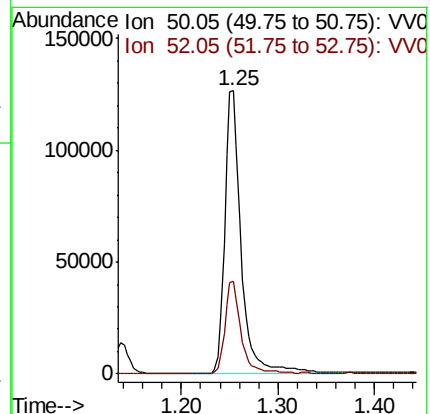
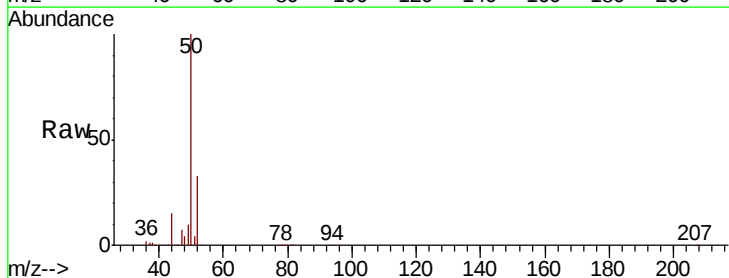
Acq: 27 Aug 2018 19:28

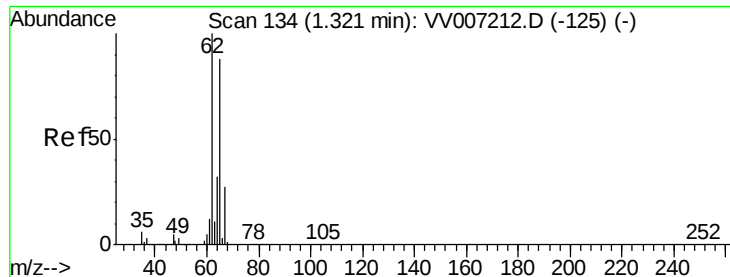
Tgt Ion: 50 Resp: 151049

Ion Ratio Lower Upper

50 100

52 32.8 23.0 42.6





#5

Vinyl chloride

Concen: 4.562 ug/L

RT: 1.32 min Scan# 134

Delta R.T. 0.00 min

Lab File: VV007219.D

Acq: 27 Aug 2018 19:28

Instrument :

MSVOA_V

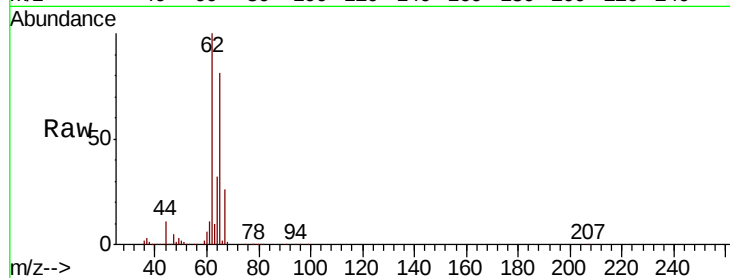
ClientSampled :

Tot Ion: 62 Resp: 140669

Ion Ratio Lower Upper

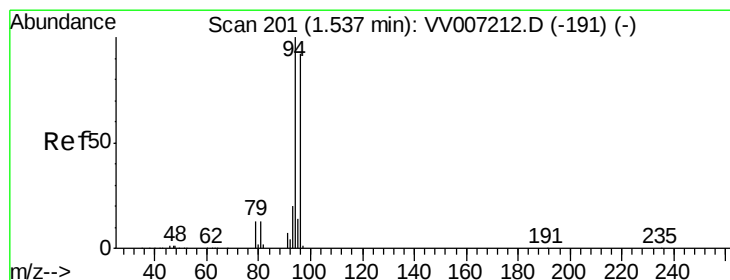
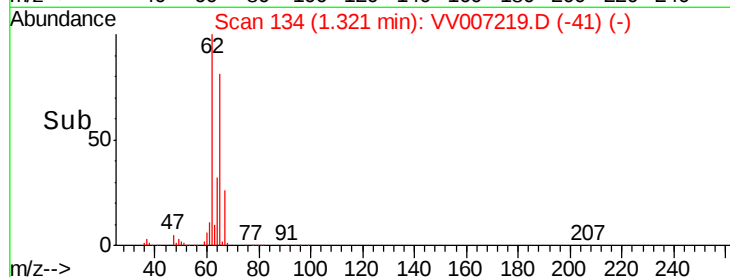
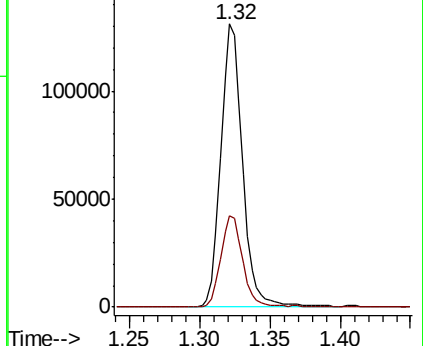
62 100

64 32.5 22.0 41.0



Abundance Ion 62.00 (61.70 to 62.70): VV007219.D (-125) (-)

Ion 64.10 (63.80 to 64.80): VV007219.D (-125) (-)



#6

Bromomethane

Concen: 4.967 ug/L

RT: 1.54 min Scan# 201

Delta R.T. 0.00 min

Lab File: VV007219.D

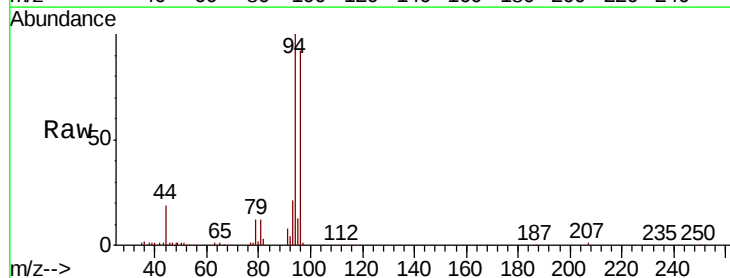
Acq: 27 Aug 2018 19:28

Tgt Ion: 94 Resp: 50312

Ion Ratio Lower Upper

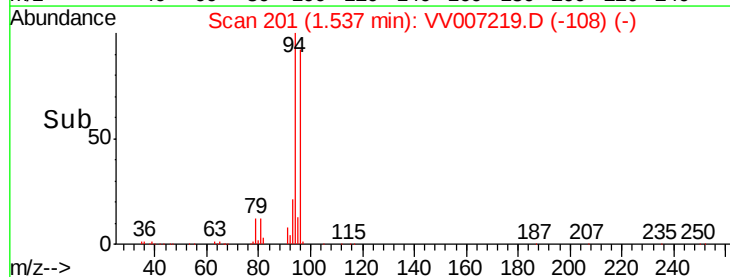
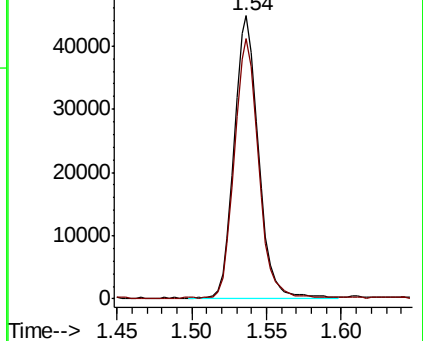
94 100

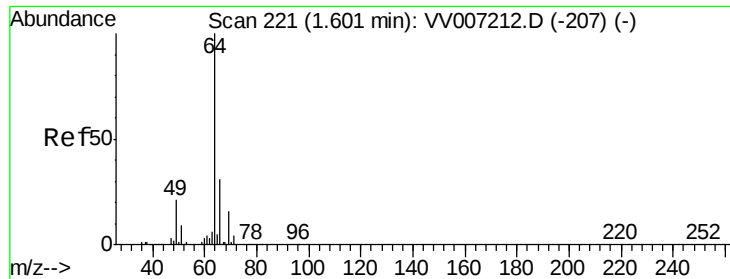
96 92.1 65.5 121.6



Abundance Ion 94.00 (93.70 to 94.70): VV007219.D (-191) (-)

Ion 96.00 (95.70 to 96.70): VV007219.D (-191) (-)

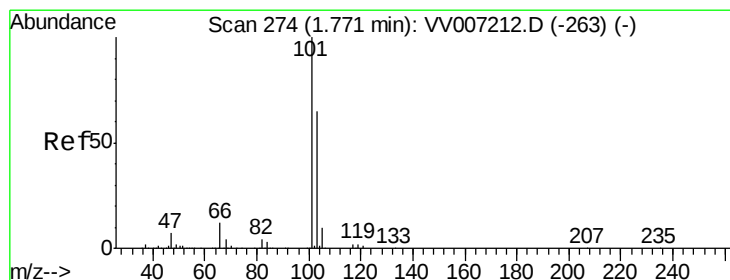
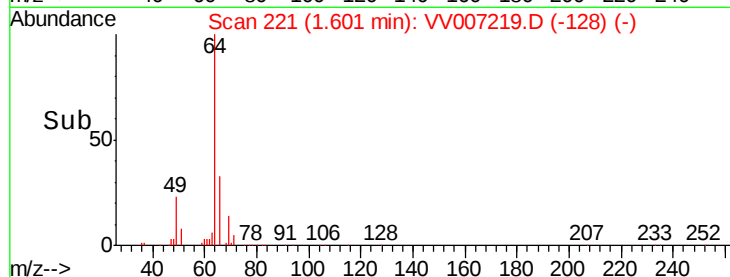
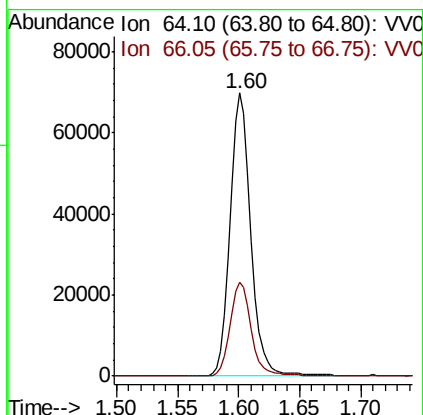
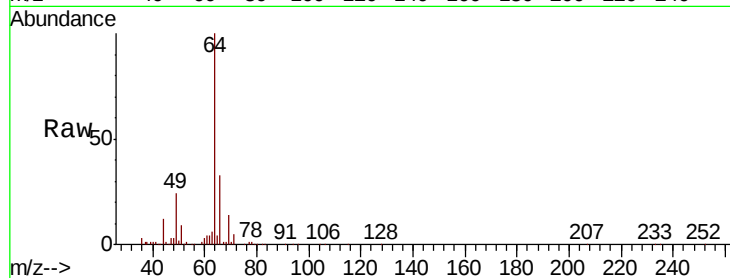




#8
Chloroethane
Concen: 4.408 ug/L
RT: 1.60 min Scan# 221
Delta R.T. 0.00 min
Lab File: VV007219.D
Acq: 27 Aug 2018 19:28

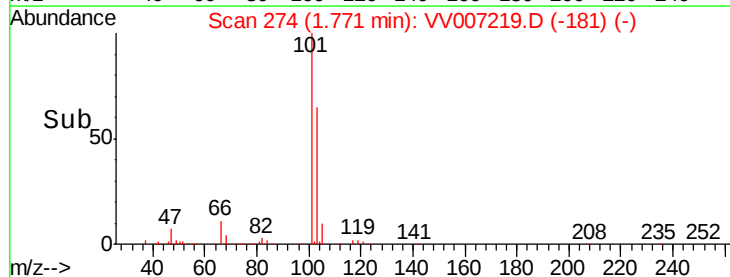
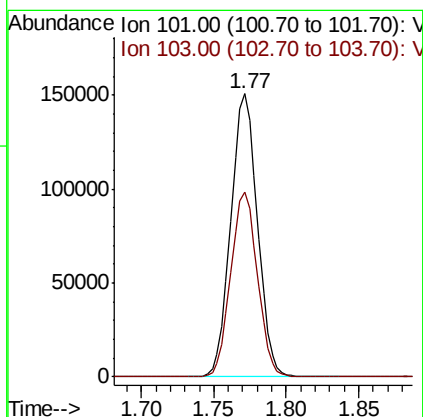
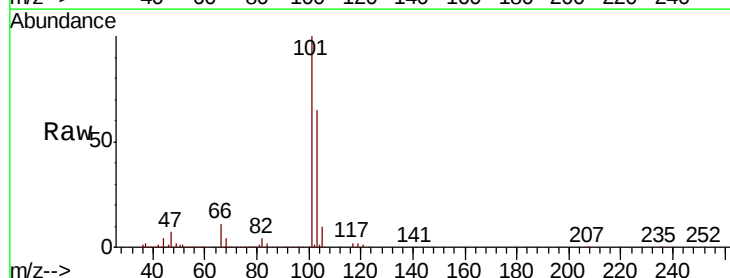
Instrument :
MSVOA_V
ClientSampleId :

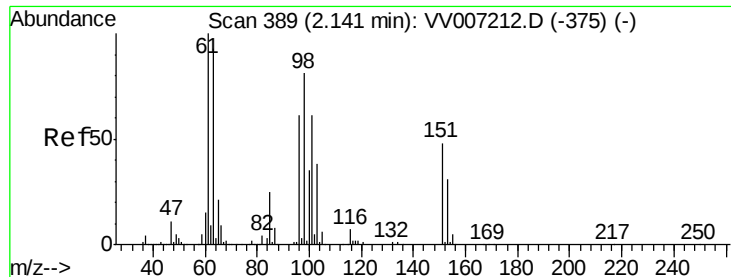
Tot Ion: 64 Resp: 83694
Ion Ratio Lower Upper
64 100
66 33.3 22.3 41.3



#9
Trichlorofluoromethane
Concen: 4.641 ug/L
RT: 1.77 min Scan# 274
Delta R.T. 0.00 min
Lab File: VV007219.D
Acq: 27 Aug 2018 19:28

Tgt Ion: 101 Resp: 192642
Ion Ratio Lower Upper
101 100
103 65.4 53.0 79.4





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 4.612 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV007219.D

Acq: 27 Aug 2018 19:28

Instrument :

MSVOA_V

ClientSampled :

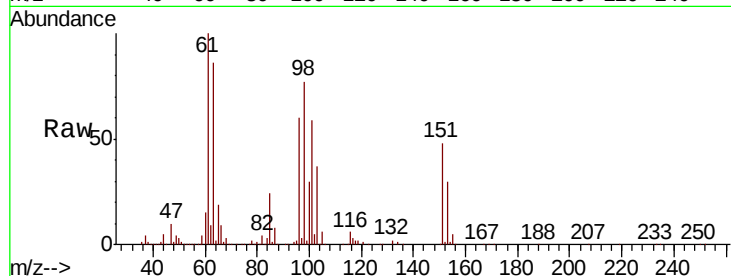
Tot Ion:101 Resp: 119685

Ion Ratio Lower Upper

101 100

85 40.4 31.9 47.9

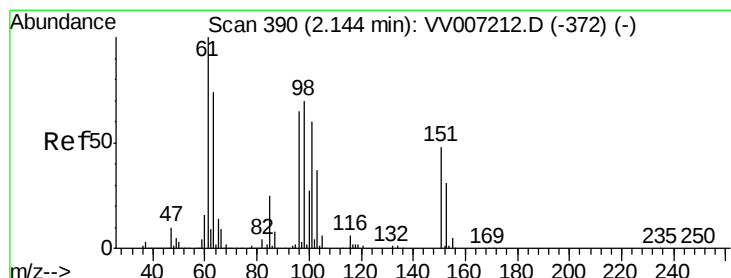
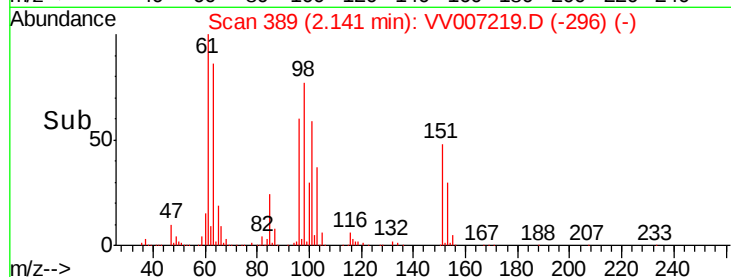
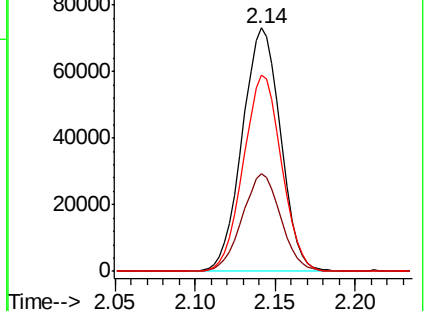
151 80.3 64.2 96.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.535 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV007219.D

Acq: 27 Aug 2018 19:28

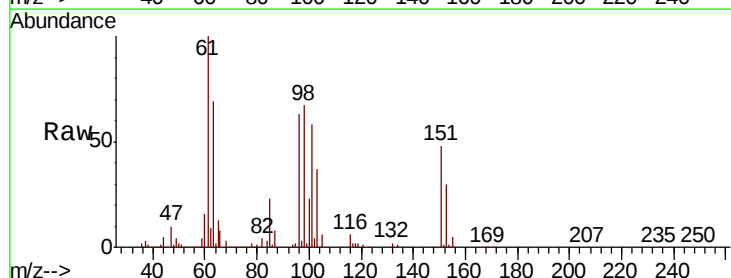
Tgt Ion: 96 Resp: 110216

Ion Ratio Lower Upper

96 100

61 158.3 108.7 201.9

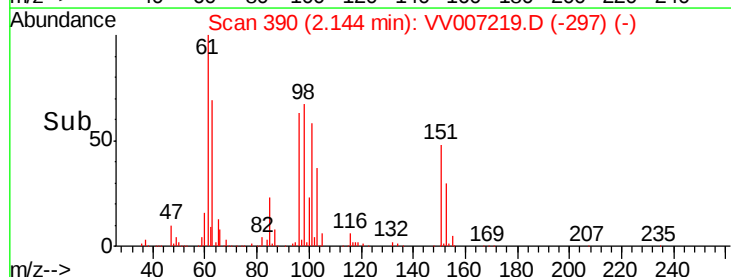
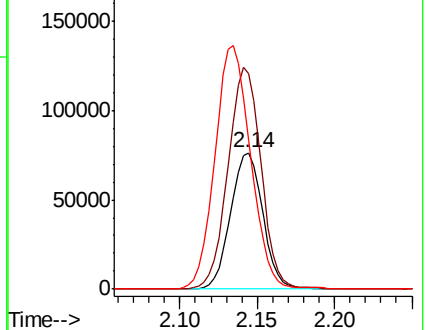
63 109.2 87.4 162.4

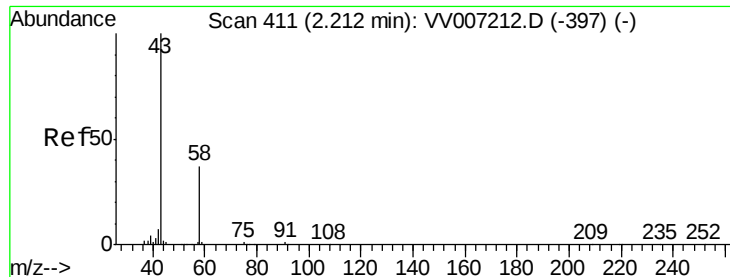


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 40.691 ug/L

RT: 2.21 min Scan# 409

Delta R.T. -0.01 min

Lab File: VV007219.D

Acq: 27 Aug 2018 19:28

Instrument :

MSVOA_V

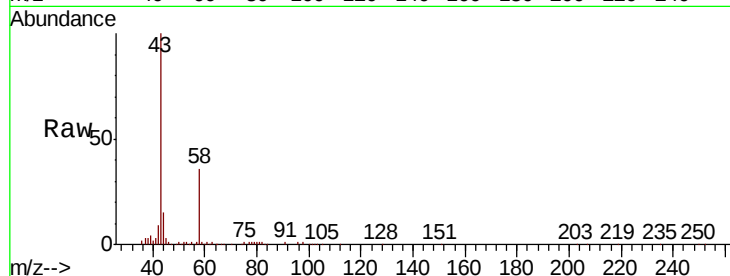
ClientSampleId :

Tot Ion: 43 Resp: 134091

Ion Ratio Lower Upper

43 100

58 34.4 0.0 82.2



Abundance Ion 43.05 (42.75 to 43.75): VV007212.D (-397) (-)

Ion 58.05 (57.75 to 58.75): VV007212.D (-397) (-)

2.21

50000

40000

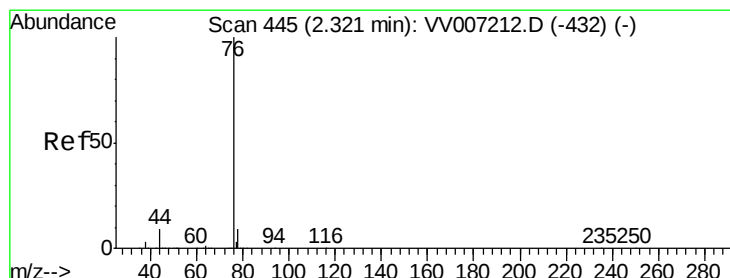
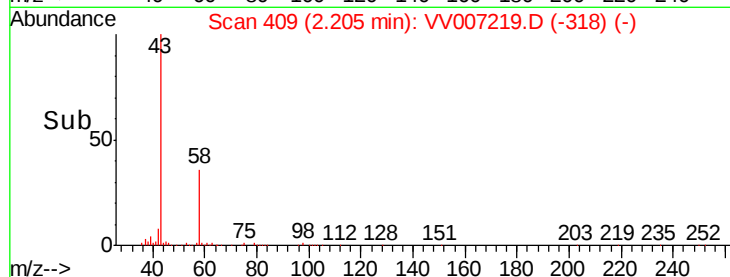
30000

20000

10000

0

Time--> 2.10 2.20 2.30



#14

Carbon disulfide

Concen: 4.708 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV007219.D

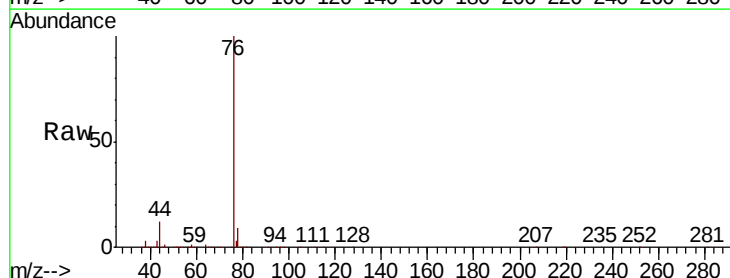
Acq: 27 Aug 2018 19:28

Tgt Ion: 76 Resp: 328943

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VV007212.D (-432) (-)

Ion 78.00 (77.70 to 78.70): VV007212.D (-432) (-)

2.32

250000

200000

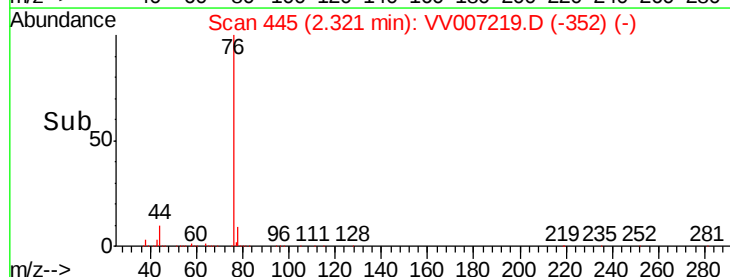
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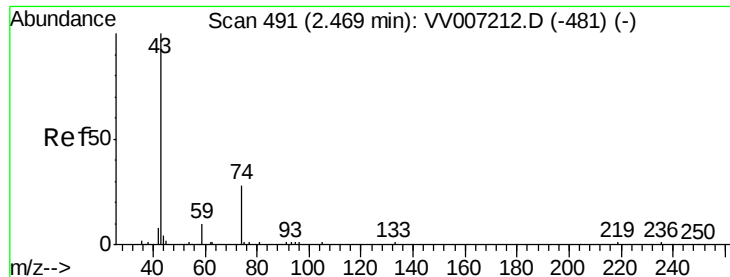
100000

50000

0

Time--> 2.25 2.30 2.35 2.40 2.45





#15

Methyl Acetate

Concen: 4.042 ug/L

RT: 2.47 min Scan# 491

Delta R.T. 0.00 min

Lab File: VV007219.D

Acq: 27 Aug 2018 19:28

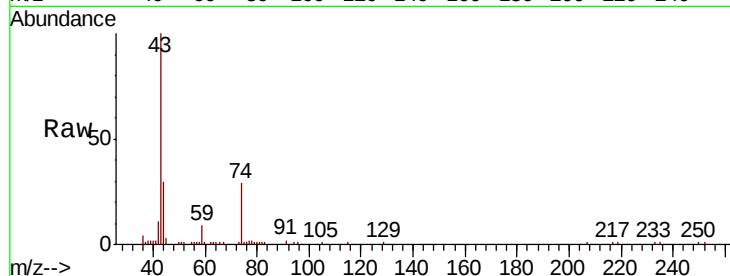
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 34567

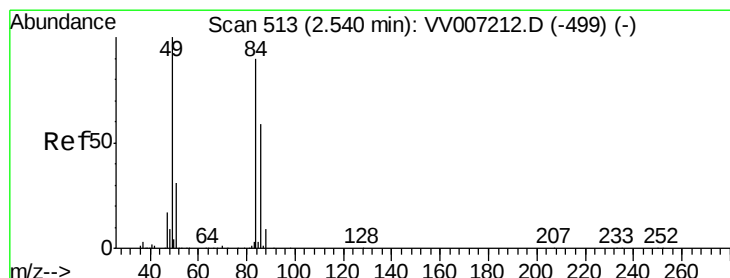
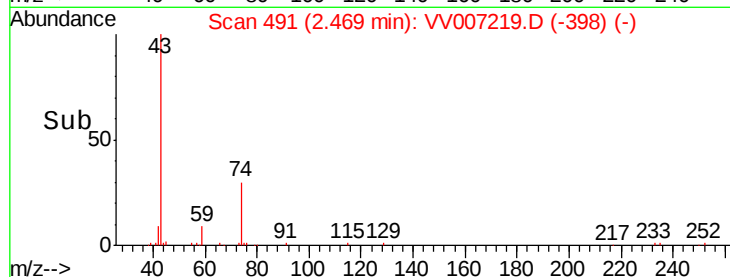
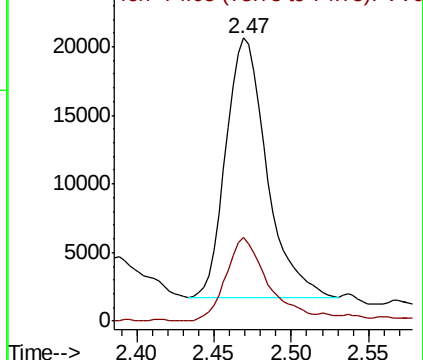
Ion Ratio Lower Upper

43 100

74 33.0 25.0 37.6



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 4.313 ug/L

RT: 2.54 min Scan# 513

Delta R.T. 0.00 min

Lab File: VV007219.D

Acq: 27 Aug 2018 19:28

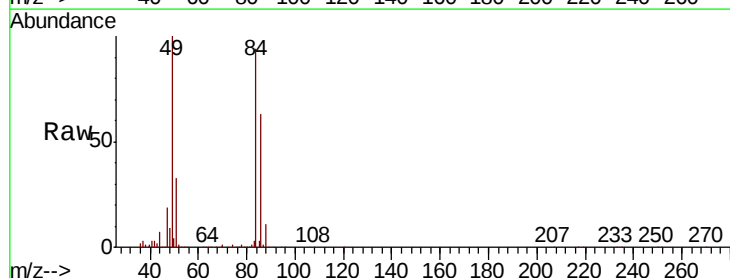
Tgt Ion: 84 Resp: 122729

Ion Ratio Lower Upper

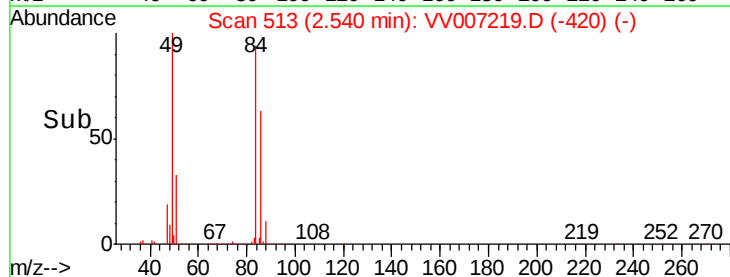
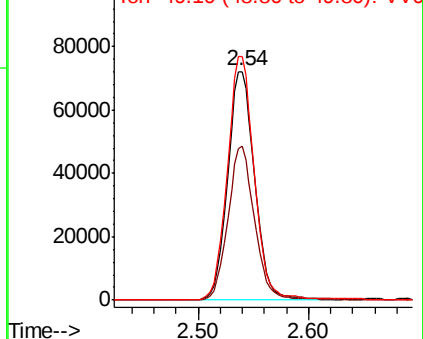
84 100

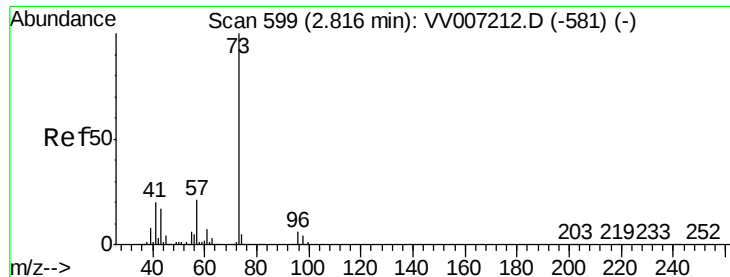
86 67.2 44.9 83.5

49 106.6 76.6 142.3



Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0



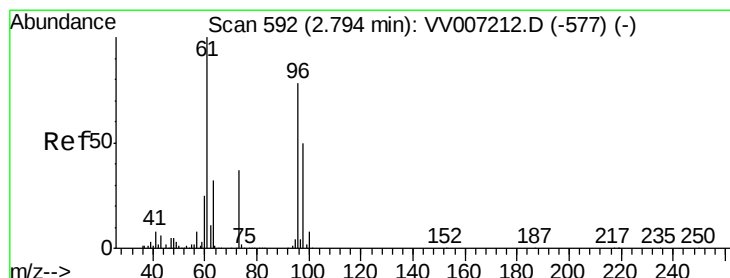
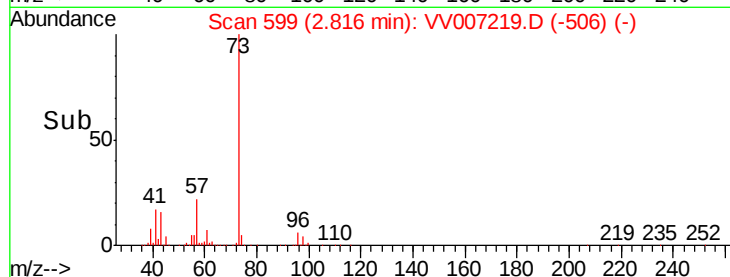
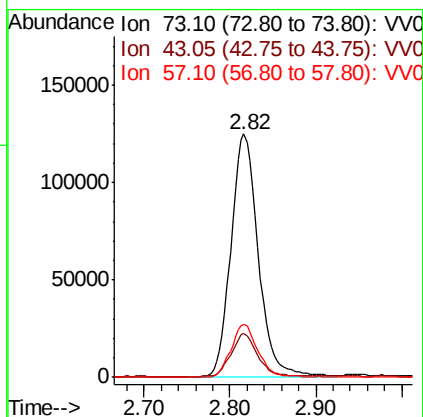
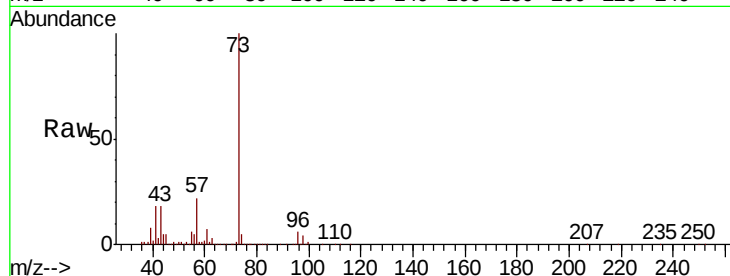


#17

Methvl tert-butvl Ether
 Concen: 4.775 ug/L
 RT: 2.82 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: VV007219.D
 Acq: 27 Aug 2018 19:28

Instrument :
 MSVOA_V
 ClientSampleId :

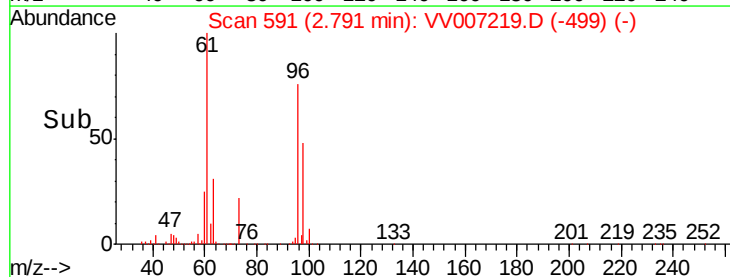
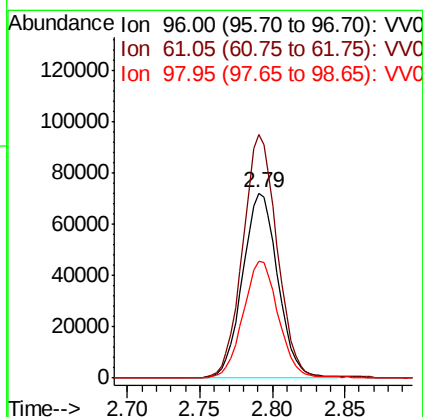
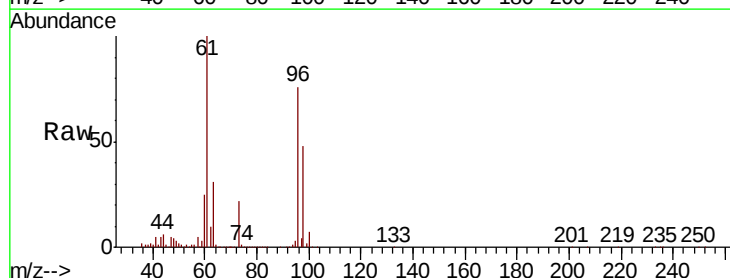
Tot Ion:	73	Resp:	277349
Ion	Ratio	Lower	Upper
73	100		
43	17.0	14.0	21.0
57	21.1	17.0	25.6

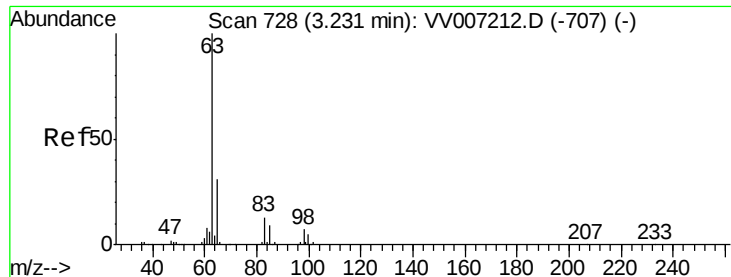


#18

trans-1,2-Dichloroethene
 Concen: 4.653 ug/L
 RT: 2.79 min Scan# 591
 Delta R.T. -0.00 min
 Lab File: VV007219.D
 Acq: 27 Aug 2018 19:28

Tgt Ion:	96	Resp:	122507
Ion	Ratio	Lower	Upper
96	100		
61	131.8	91.4	169.8
98	63.6	44.7	83.1

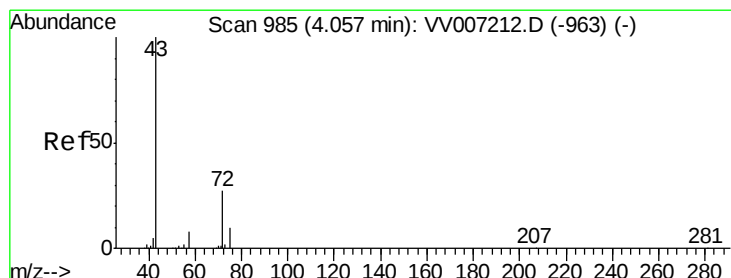
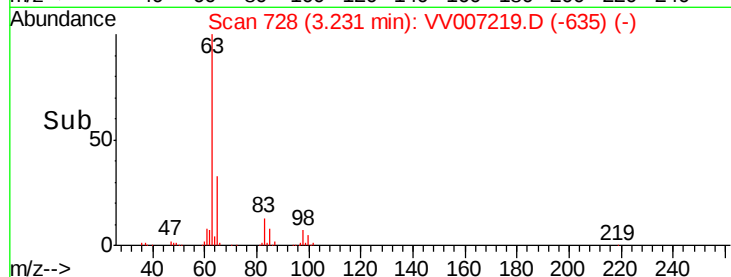
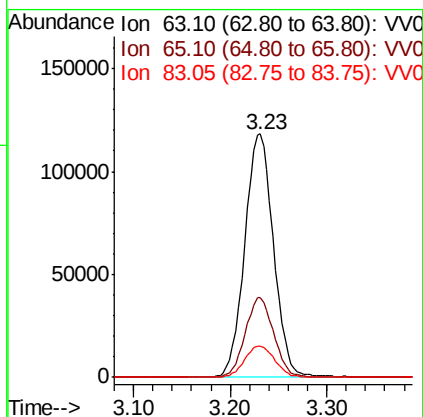
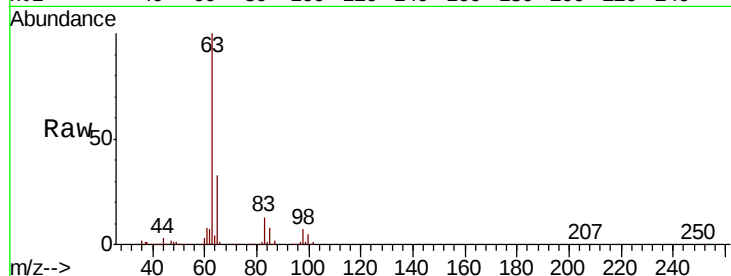




#19
 1,1-Dichloroethane
 Concen: 4.916 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VV007219.D
 Acq: 27 Aug 2018 19:28

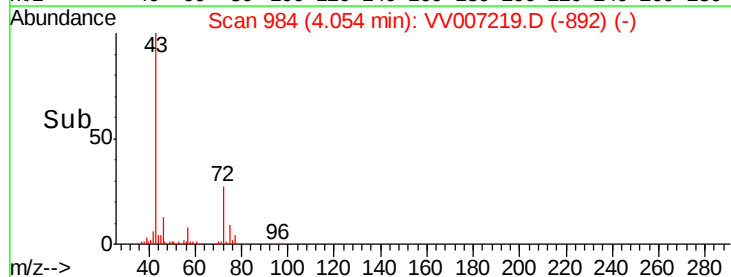
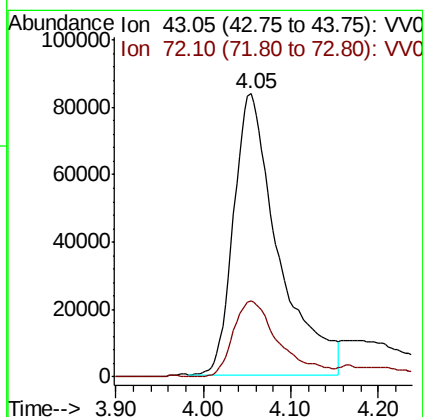
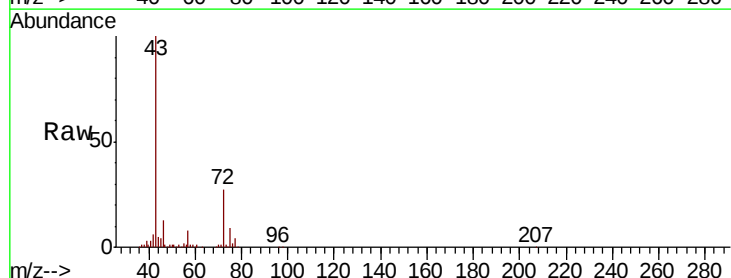
Instrument :
 MSVOA_V
 ClientSampleId :

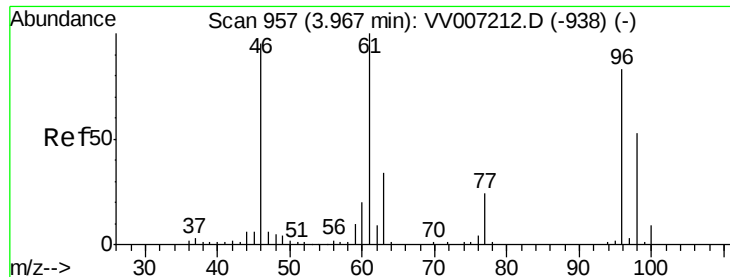
Tot Ion: 63 Resp: 244461
 Ion Ratio Lower Upper
 63 100
 65 33.0 22.5 41.9
 83 12.9 8.8 16.3



#21
 2-Butanone
 Concen: 43.420 ug/L
 RT: 4.05 min Scan# 984
 Delta R.T. -0.00 min
 Lab File: VV007219.D
 Acq: 27 Aug 2018 19:28

Tgt Ion: 43 Resp: 294592
 Ion Ratio Lower Upper
 43 100
 72 28.3 11.5 34.5



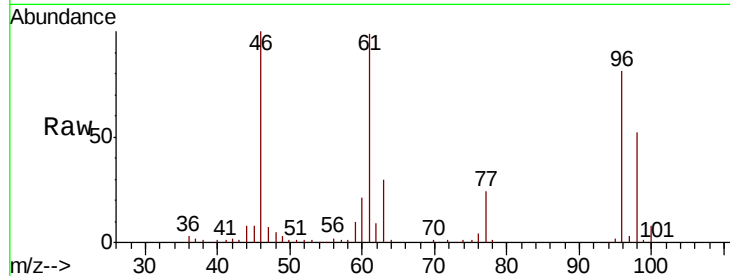


#22

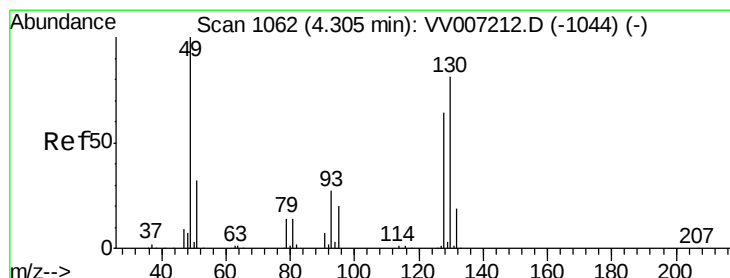
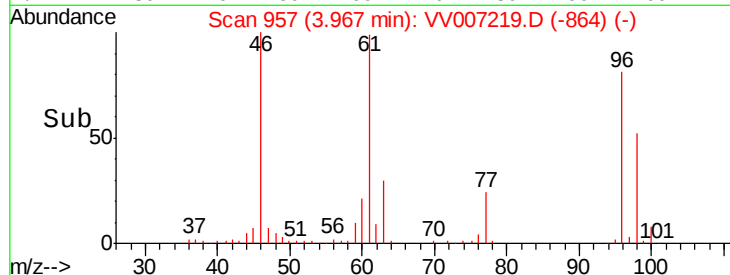
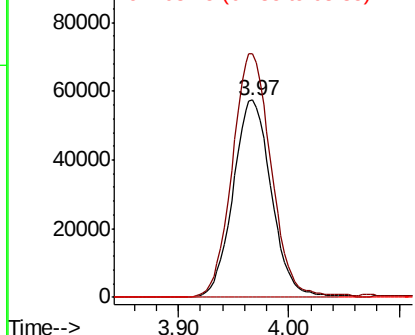
cis-1,2-Dichloroethene
Concen: 4.743 ug/L
RT: 3.97 min Scan# 957
Delta R.T. 0.00 min
Lab File: VV007219.D
Acq: 27 Aug 2018 19:28

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 137979
Ion Ratio Lower Upper
96 100
61 123.4 87.7 162.9
68 0.0 0.0 0.0



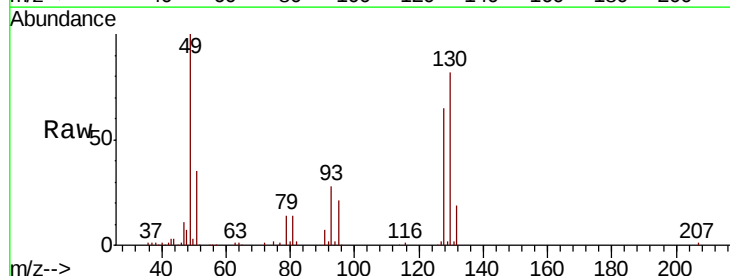
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



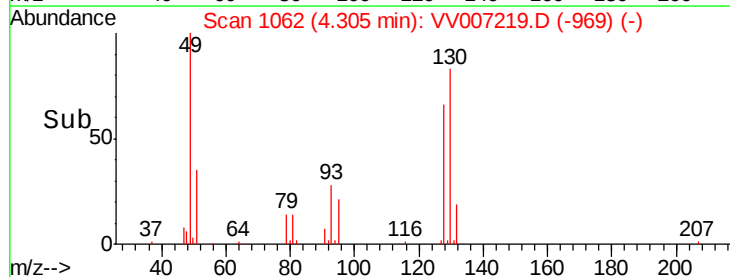
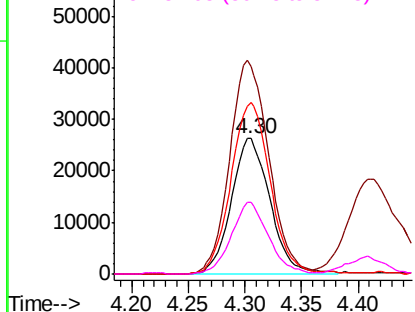
#23

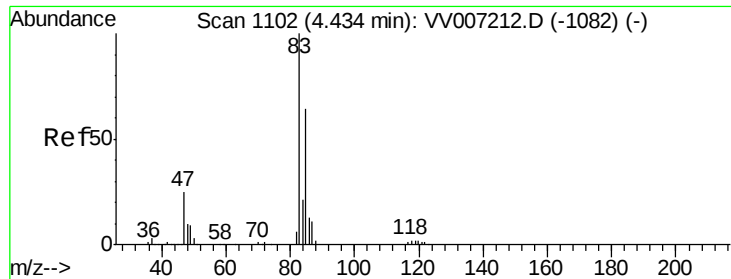
Bromochloromethane
Concen: 4.717 ug/L
RT: 4.30 min Scan# 1062
Delta R.T. 0.00 min
Lab File: VV007219.D
Acq: 27 Aug 2018 19:28

Tgt Ion: 128 Resp: 62640
Ion Ratio Lower Upper
128 100
49 153.3 120.0 222.8
130 126.4 96.0 178.4
51 53.2 42.6 63.8



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

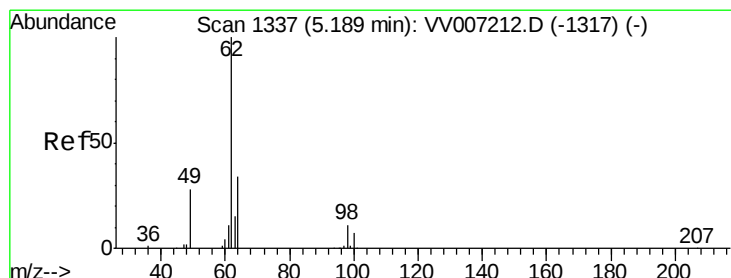
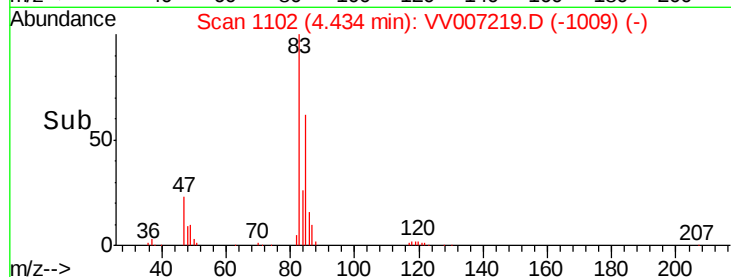
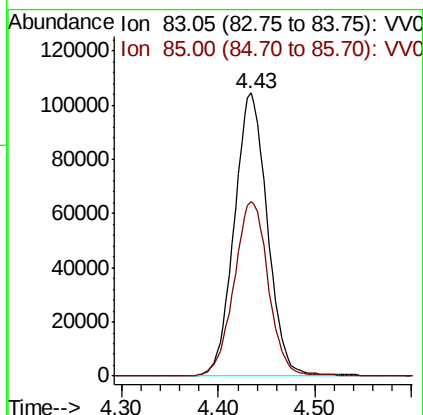
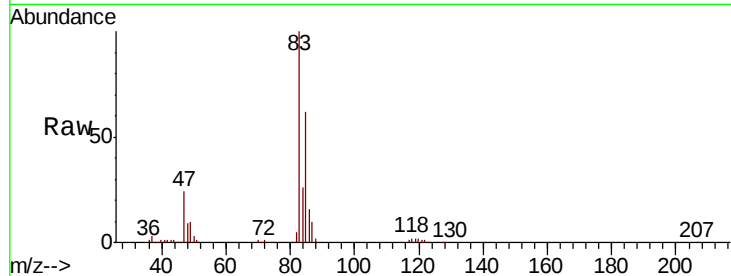




#25
Chloroform
Concen: 4.677 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV007219.D
Acq: 27 Aug 2018 19:28

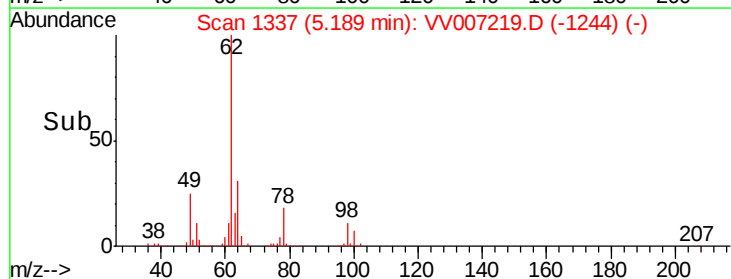
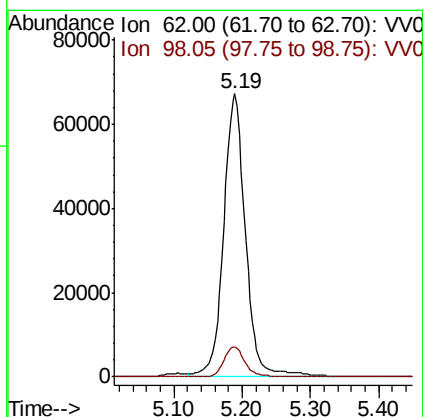
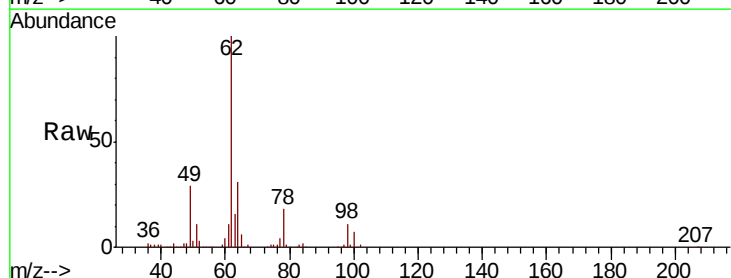
Instrument :
MSVOA_V
ClientSampled :

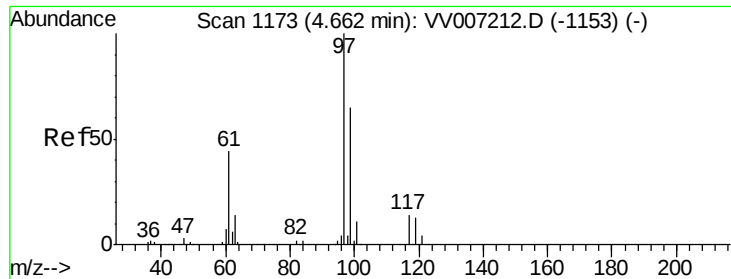
Tot Ion: 83 Resp: 248100
Ion Ratio Lower Upper
83 100
85 61.7 45.5 84.5



#27
1,2-Dichloroethane
Concen: 4.980 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV007219.D
Acq: 27 Aug 2018 19:28

Tgt Ion: 62 Resp: 150045
Ion Ratio Lower Upper
62 100
98 10.7 8.4 12.6

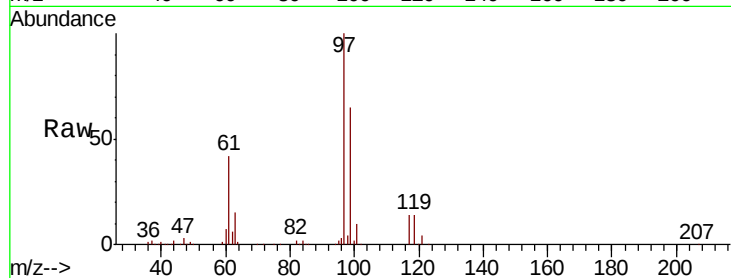




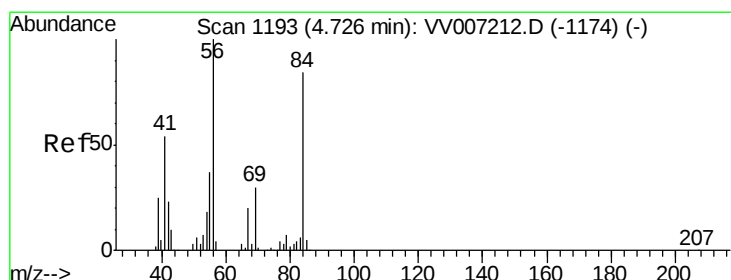
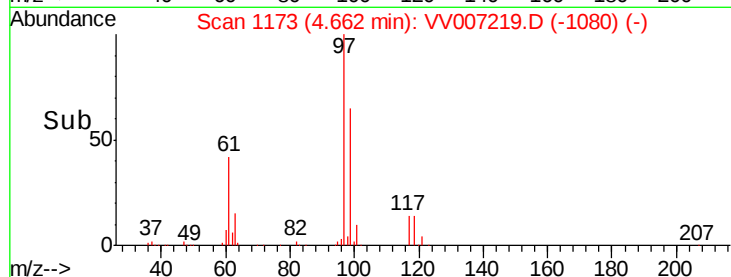
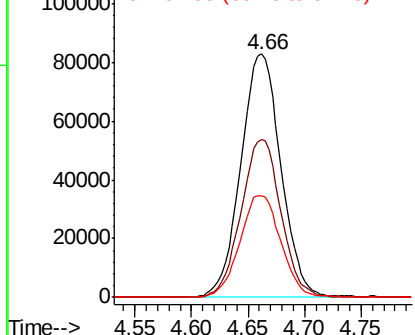
#29
 1,1,1-Trichloroethane
 Concen: 4.455 ug/L
 RT: 4.66 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VV007219.D
 Acq: 27 Aug 2018 19:28

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion	97	Resp	204352
Ion Ratio	Lower	Upper	
97	100		
99	64.5	51.3	76.9
61	43.1	35.3	52.9

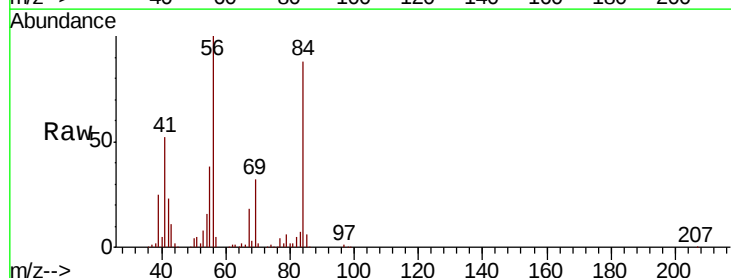


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

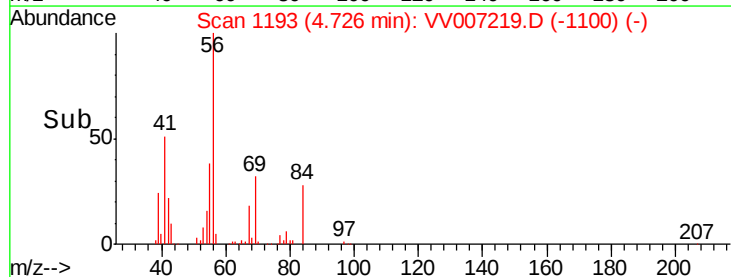
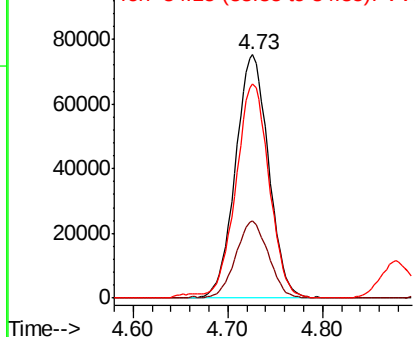


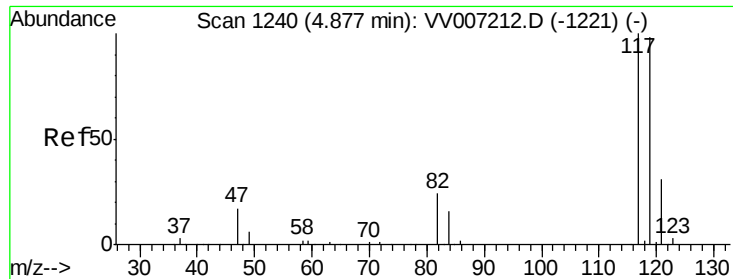
#30
 Cyclohexane
 Concen: 4.460 ug/L
 RT: 4.73 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VV007219.D
 Acq: 27 Aug 2018 19:28

Tgt Ion	56	Resp	183529
Ion Ratio	Lower	Upper	
56	100		
69	31.2	24.3	36.5
84	87.7	69.8	104.6



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0

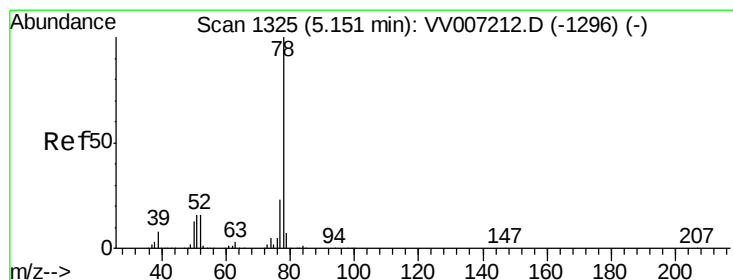
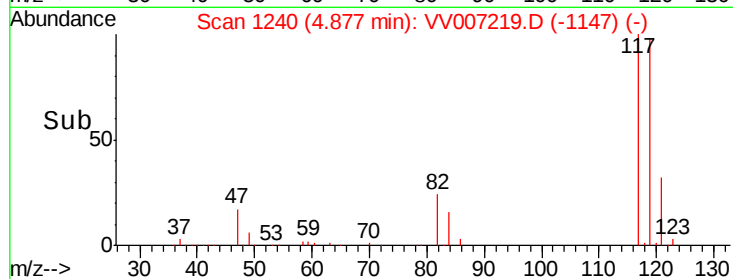
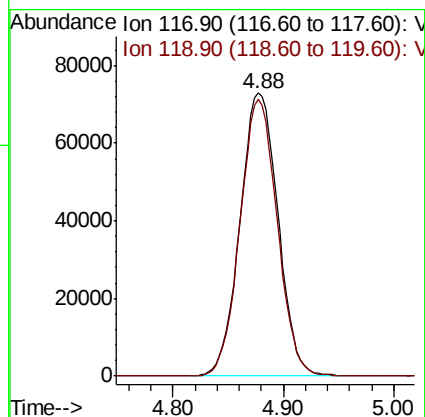
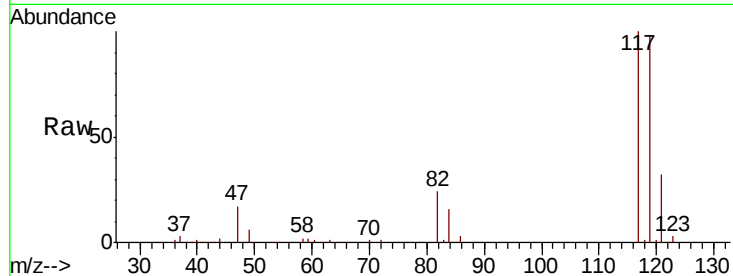




#31
Carbon tetrachloride
Concen: 4.532 ug/L
RT: 4.88 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VV007219.D
Acq: 27 Aug 2018 19:28

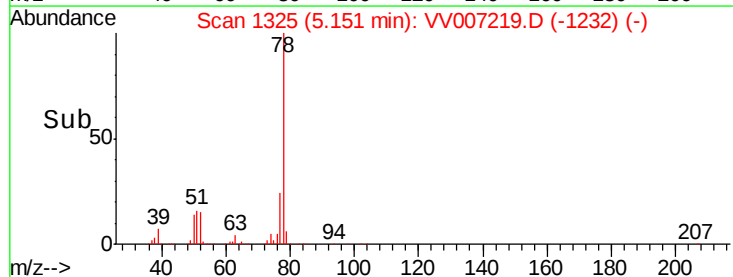
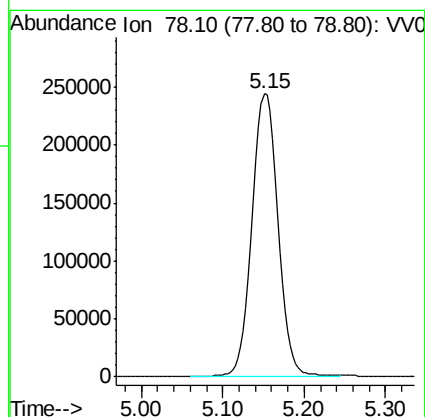
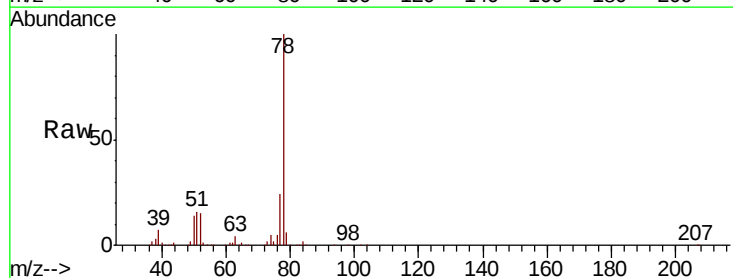
Instrument :
MSVOA_V
ClientSampleId :

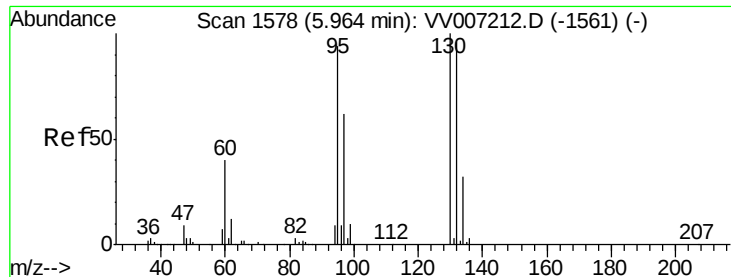
Tot Ion:117 Resp: 174190
Ion Ratio Lower Upper
117 100
119 95.8 75.0 112.4



#33
Benzene
Concen: 4.615 ug/L
RT: 5.15 min Scan# 1325
Delta R.T. 0.00 min
Lab File: VV007219.D
Acq: 27 Aug 2018 19:28

Tgt Ion: 78 Resp: 537924

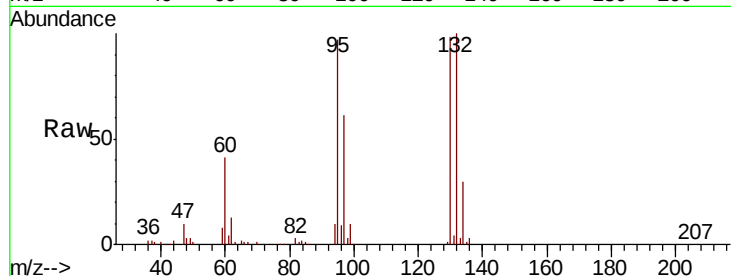




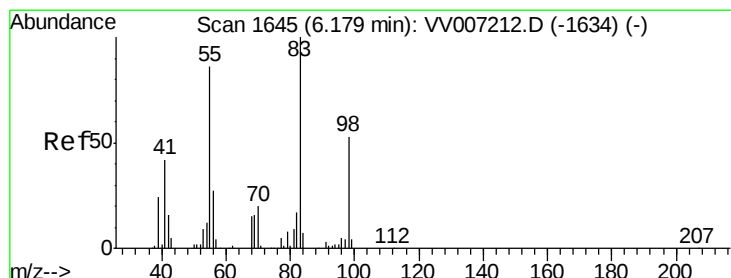
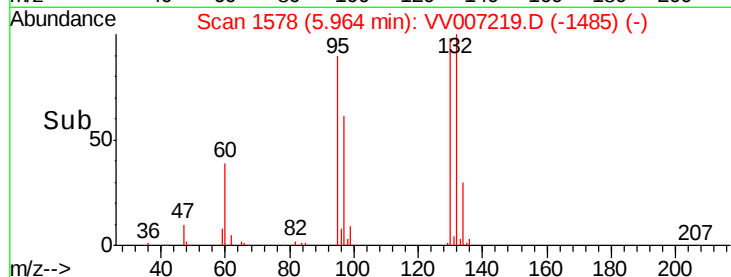
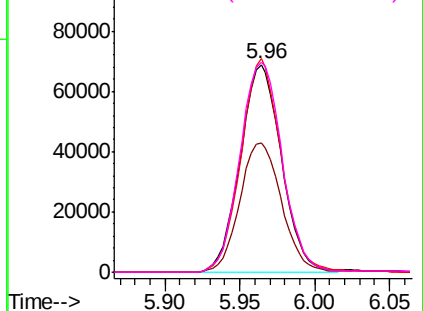
#34
 Trichloroethene
 Concen: 4.713 ug/L
 RT: 5.96 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VV007219.D
 Acq: 27 Aug 2018 19:28

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:	95	Resp:	132221
Ion	Ratio	Lower	Upper
95	100		
97	62.2	46.0	85.4
132	102.7	69.2	128.4
130	101.1	69.7	129.4

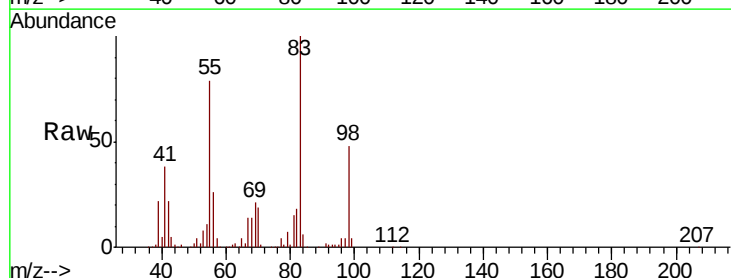


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

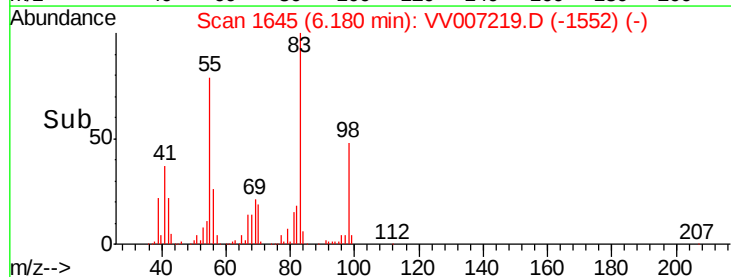
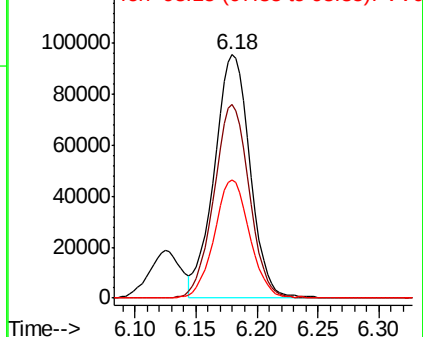


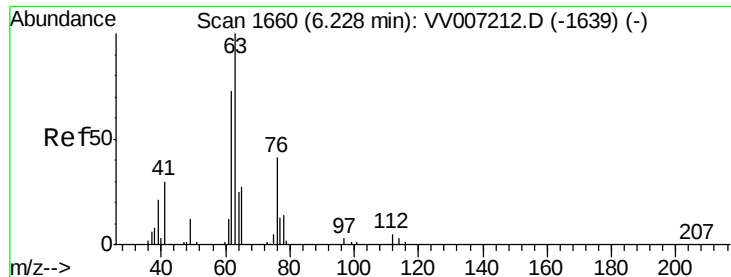
#35
 Methylcyclohexane
 Concen: 4.661 ug/L
 RT: 6.18 min Scan# 1645
 Delta R.T. 0.00 min
 Lab File: VV007219.D
 Acq: 27 Aug 2018 19:28

Tgt Ion:	83	Resp:	195607
Ion	Ratio	Lower	Upper
83	100		
55	79.3	65.5	98.3
98	48.3	38.5	57.7



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0

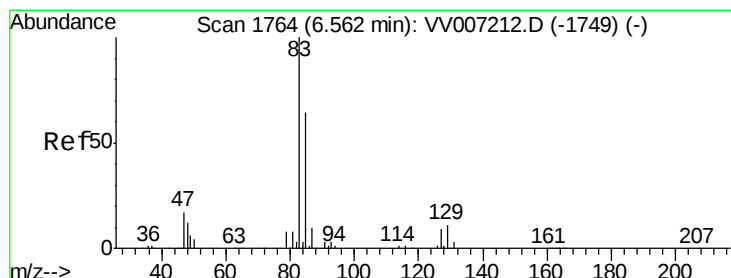
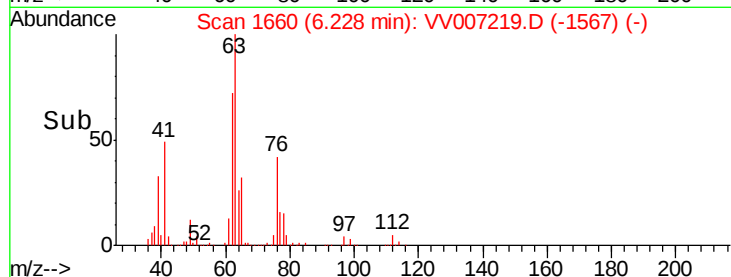
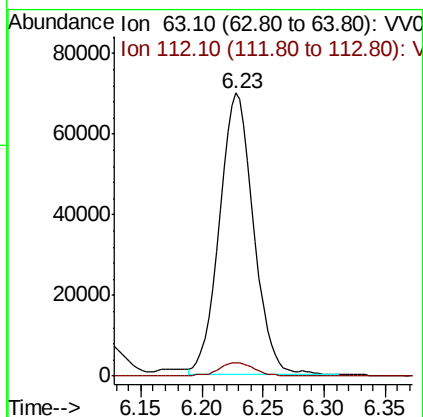
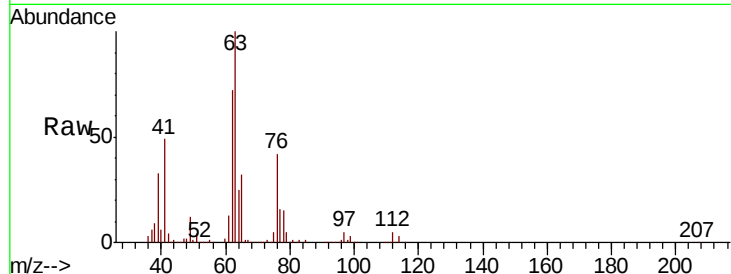




#37
 1,2-Dichloropropane
 Concen: 4.357 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV007219.D
 Acq: 27 Aug 2018 19:28

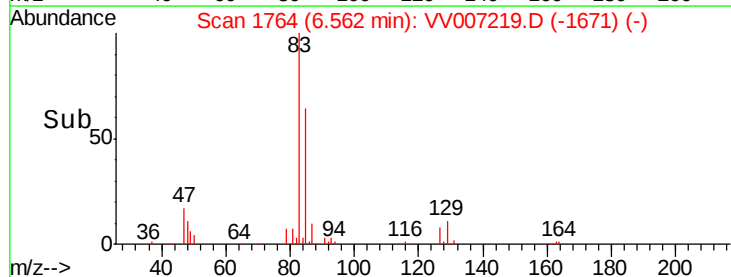
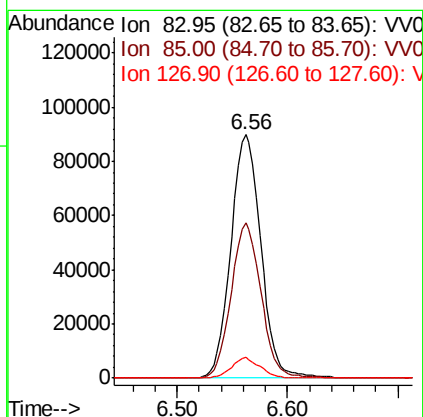
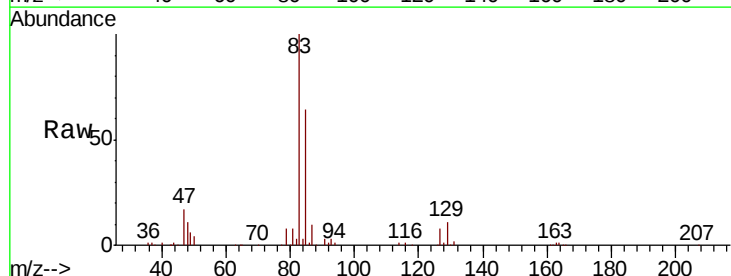
Instrument :
 MSVOA_V
 ClientSampleId :

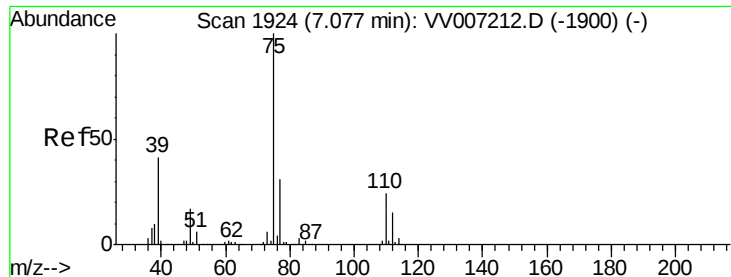
Tot Ion: 63 Resp: 137147
 Ion Ratio Lower Upper
 63 100
 112 5.1 3.8 5.8



#38
 Bromodichloromethane
 Concen: 4.658 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV007219.D
 Acq: 27 Aug 2018 19:28

Tgt Ion: 83 Resp: 170342
 Ion Ratio Lower Upper
 83 100
 85 63.6 42.8 79.4
 127 8.4 6.6 10.0

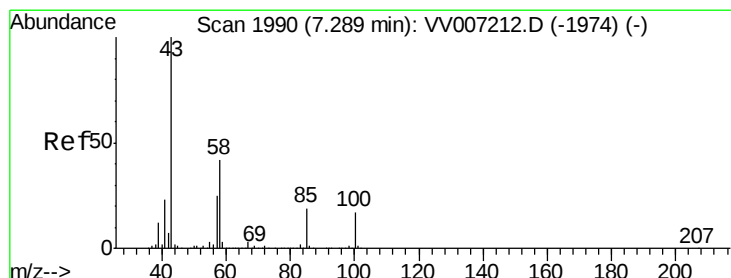
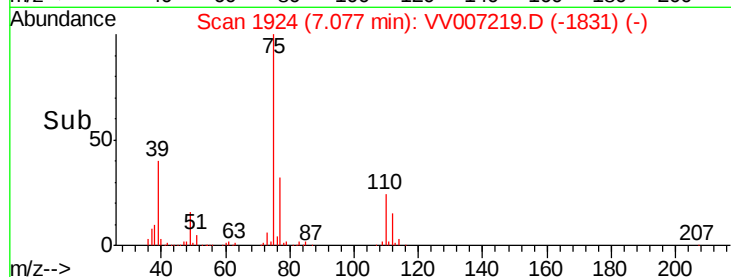
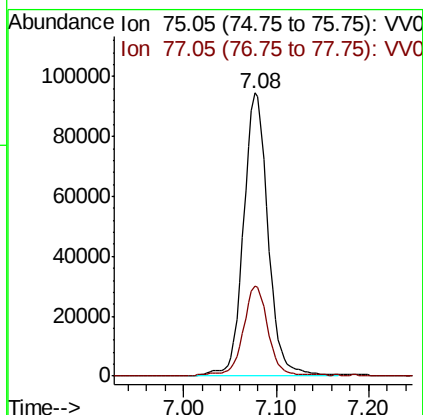
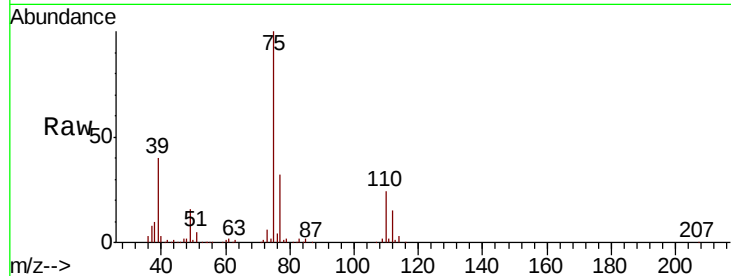




#39
 cis-1,3-Dichloropropene
 Concen: 4.691 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV007219.D
 Acq: 27 Aug 2018 19:28

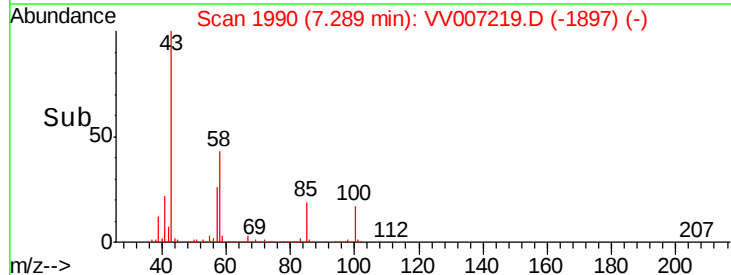
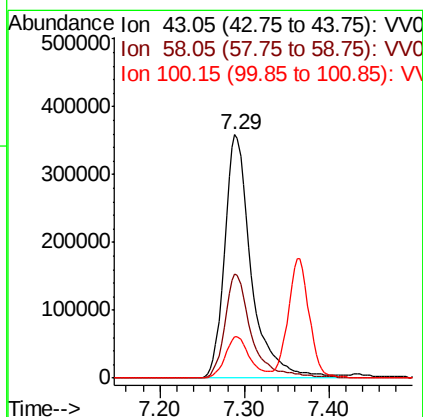
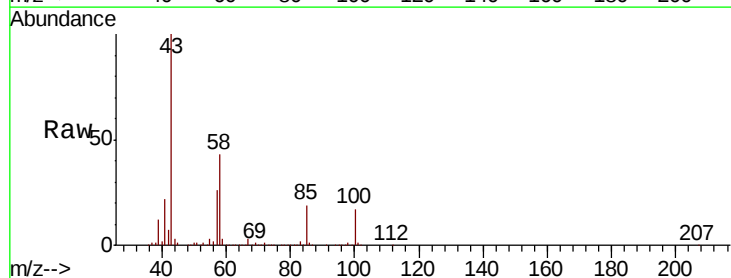
Instrument :
 MSVOA_V
 ClientSampled :

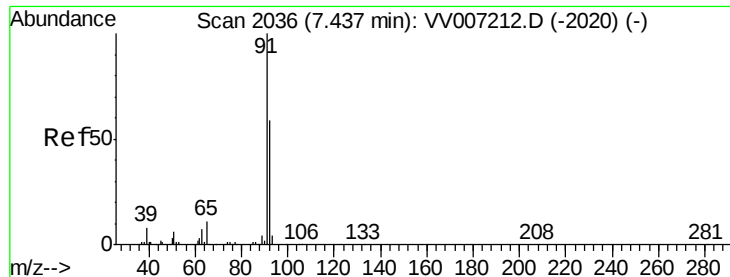
Tot Ion: 75 Resp: 174501
 Ion Ratio Lower Upper
 75 100
 77 31.8 21.5 39.9



#40
 4-Methyl-2-pentanone
 Concen: 51.229 ug/L
 RT: 7.29 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VV007219.D
 Acq: 27 Aug 2018 19:28

Tgt Ion: 43 Resp: 785145
 Ion Ratio Lower Upper
 43 100
 58 42.7 32.2 48.4
 100 15.6 12.3 18.5





#42

Toluene

Concen: 4.920 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV007219.D

Acq: 27 Aug 2018 19:28

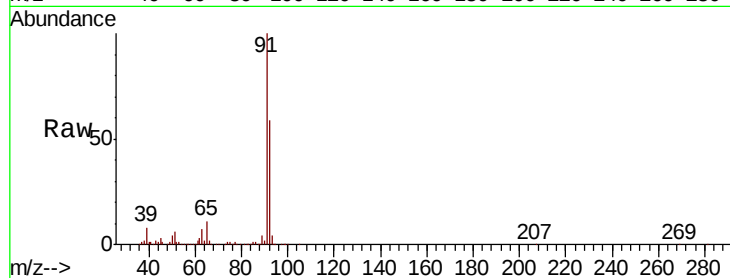
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 548867

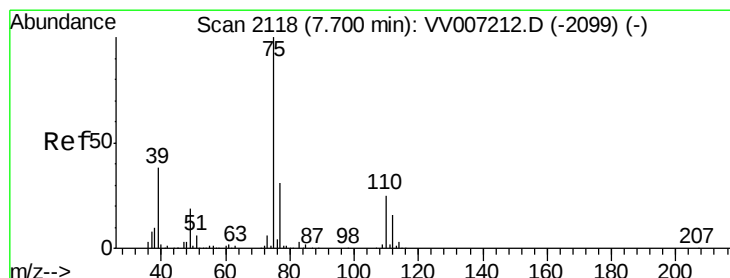
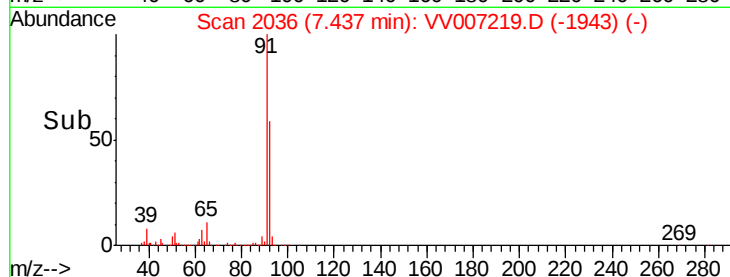
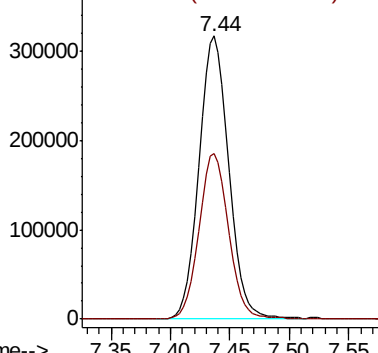
Ion Ratio Lower Upper

91 100

92 58.7 41.8 77.6



Abundance Ion 91.15 (90.85 to 91.85): VV0
Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 4.876 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV007219.D

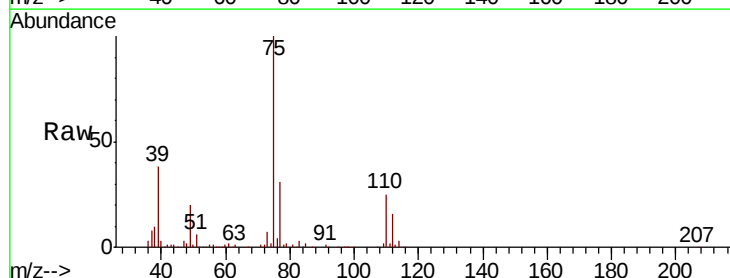
Acq: 27 Aug 2018 19:28

Tgt Ion: 75 Resp: 150728

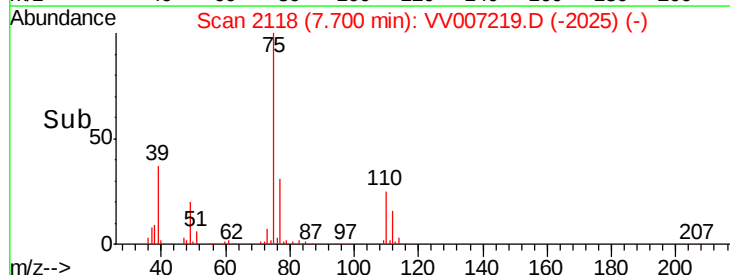
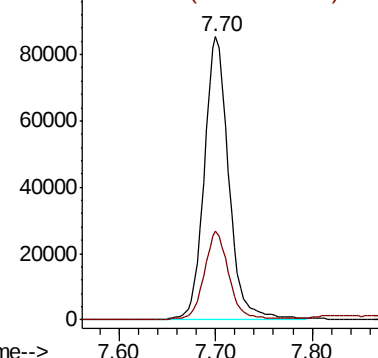
Ion Ratio Lower Upper

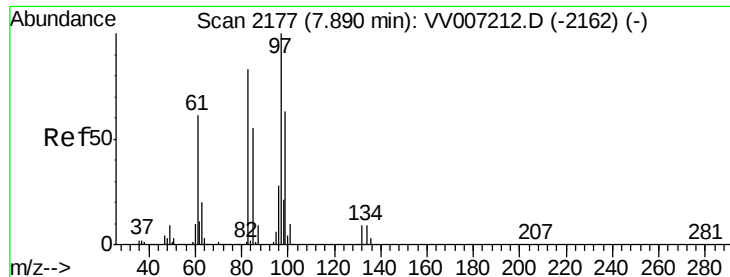
75 100

77 31.2 23.1 42.9



Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0





#45

1,1,2-Trichloroethane

Concen: 4.836 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VV007219.D

Acq: 27 Aug 2018 19:28

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 102112

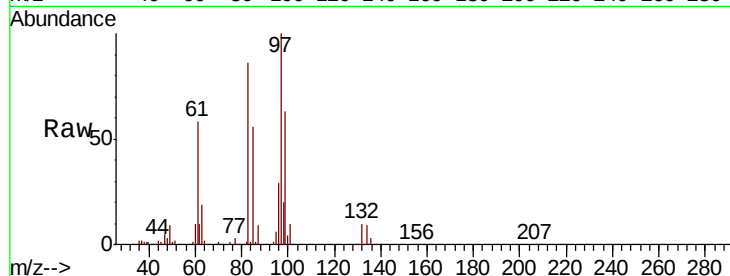
Ion Ratio Lower Upper

97 100

99 63.2 44.9 83.5

83 86.3 62.4 115.8

85 56.0 37.0 68.6

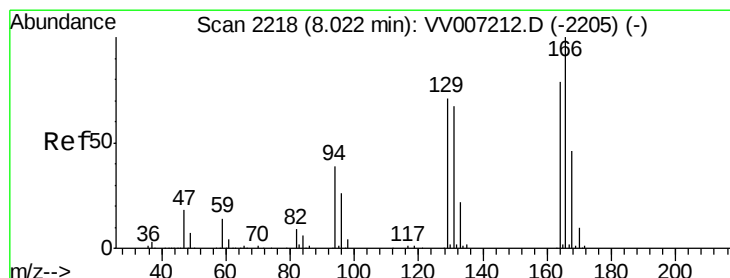
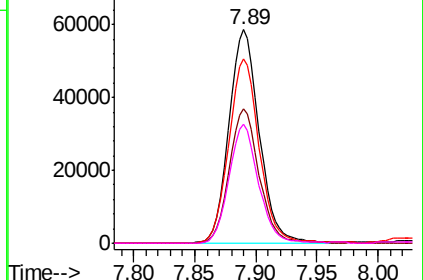
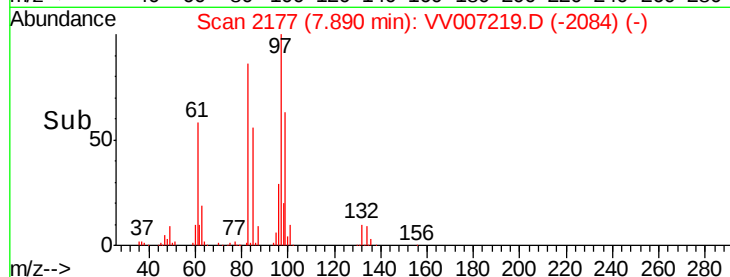


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 4.707 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VV007219.D

Acq: 27 Aug 2018 19:28

Tgt Ion: 164 Resp: 110277

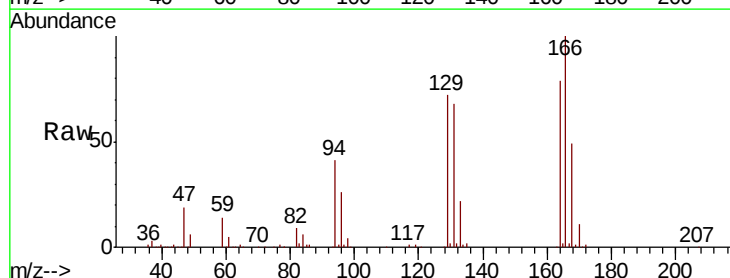
Ion Ratio Lower Upper

164 100

129 91.4 64.8 120.3

131 86.5 60.1 111.5

166 127.1 89.3 165.9

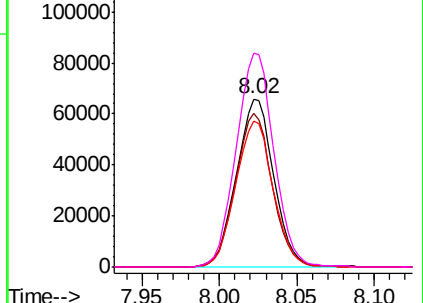
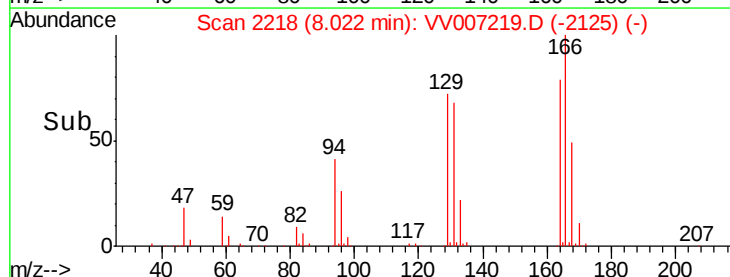


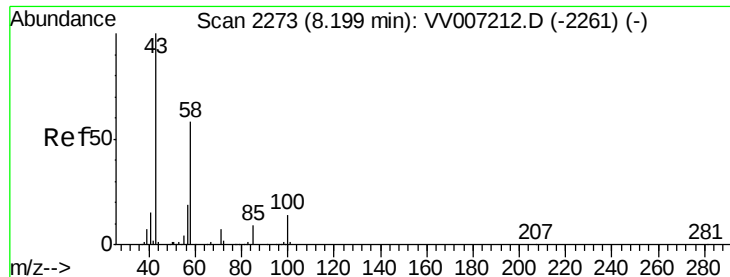
Abundance Ion 163.90 (163.60 to 164.60): V

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

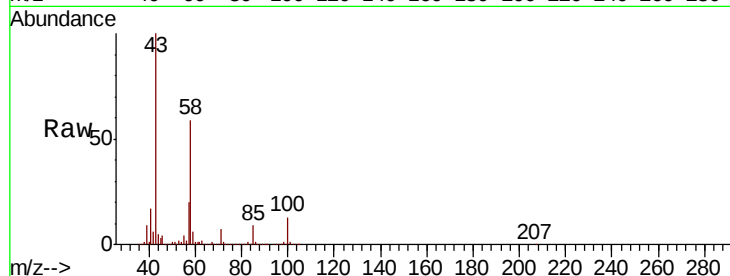




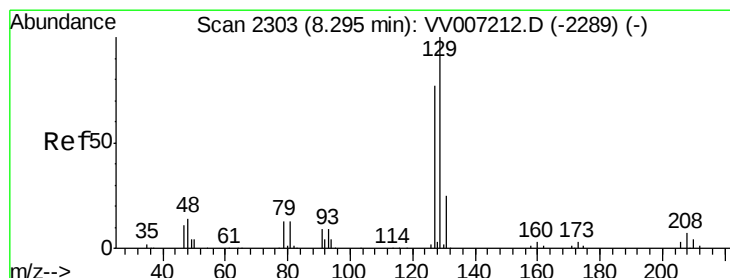
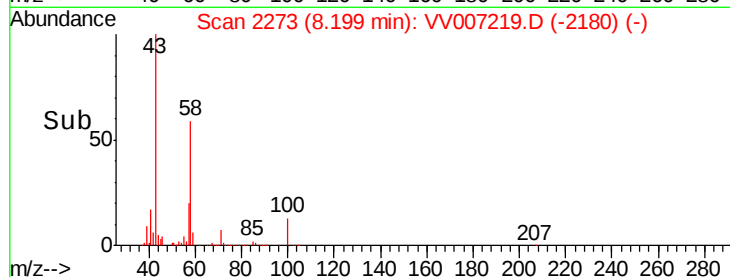
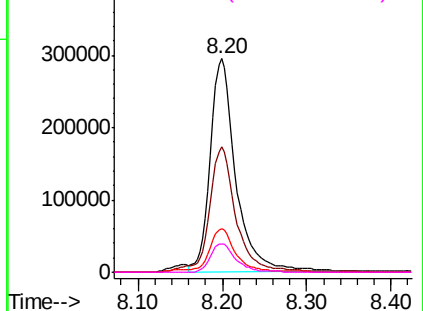
#48
2-Hexanone
Concen: 53.351 ug/L
RT: 8.20 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV007219.D
Acq: 27 Aug 2018 19:28

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 614742
Ion Ratio Lower Upper
43 100
58 62.5 47.7 71.5
57 20.8 15.4 23.0
100 13.3 9.7 14.5

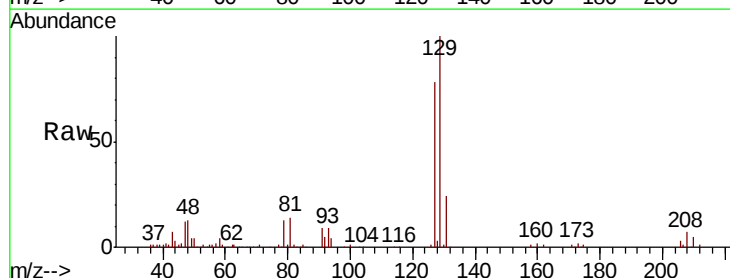


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

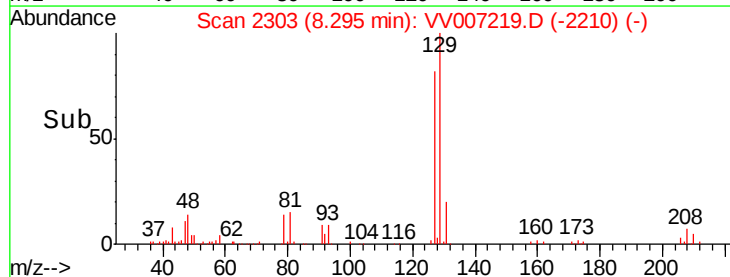
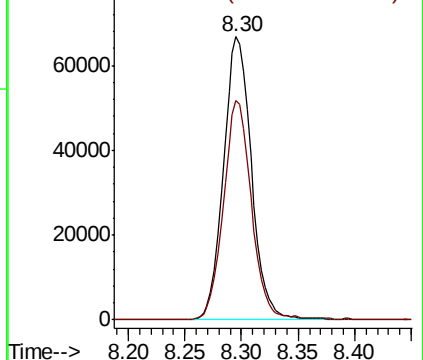


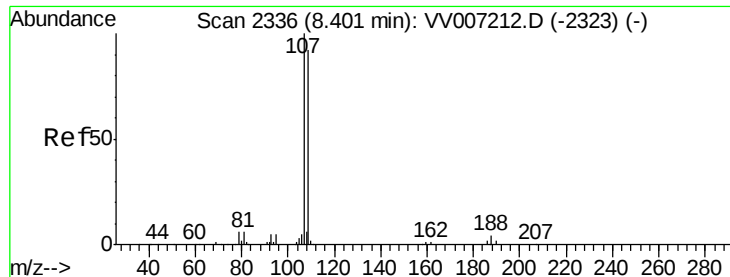
#49
Dibromochloromethane
Concen: 4.947 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV007219.D
Acq: 27 Aug 2018 19:28

Tgt Ion: 129 Resp: 115034
Ion Ratio Lower Upper
129 100
127 77.7 54.8 101.8



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

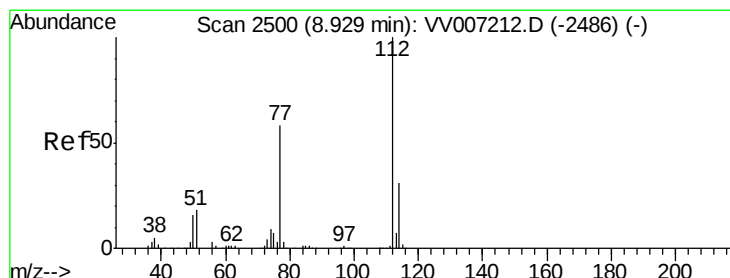
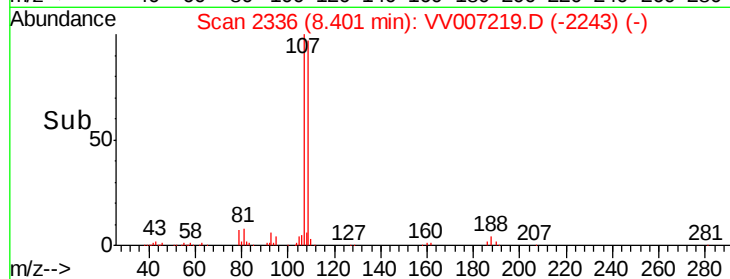
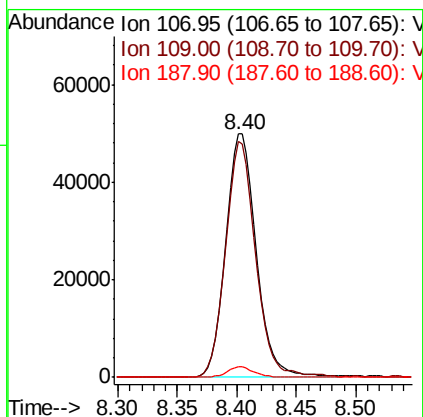
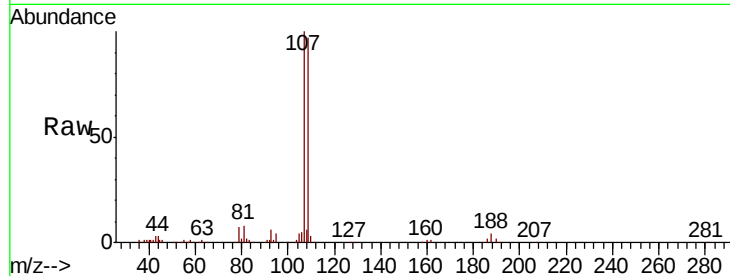




#50
 1,2-Dibromoethane
 Concen: 5.016 ug/L
 RT: 8.40 min Scan# 2336
 Delta R.T. 0.00 min
 Lab File: VV007219.D
 Acq: 27 Aug 2018 19:28

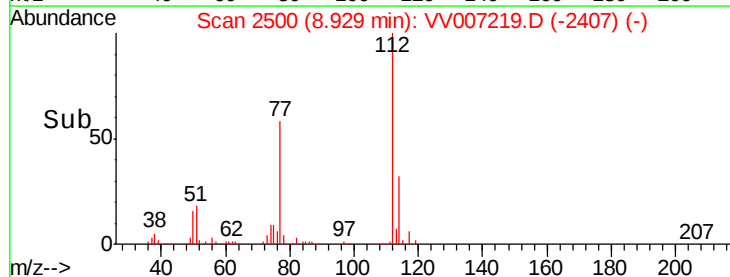
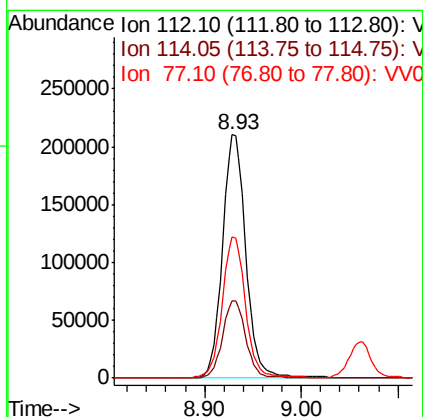
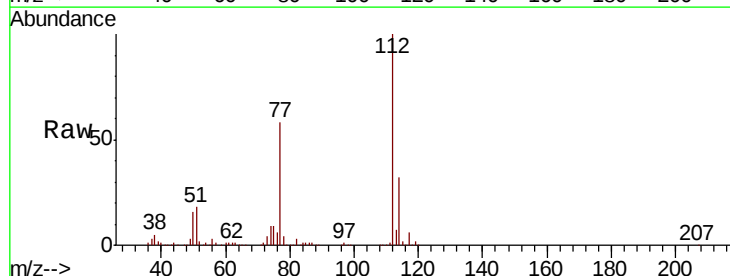
Instrument :
 MSVOA_V
 ClientSampleId :

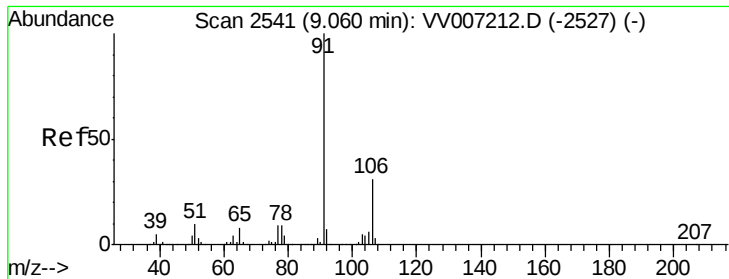
Tot Ion:107 Resp: 88764
 Ion Ratio Lower Upper
 107 100
 109 96.9 66.8 124.2
 188 4.2 2.9 4.3



#51
 Chlorobenzene
 Concen: 4.796 ug/L
 RT: 8.93 min Scan# 2500
 Delta R.T. 0.00 min
 Lab File: VV007219.D
 Acq: 27 Aug 2018 19:28

Tgt Ion:112 Resp: 352618
 Ion Ratio Lower Upper
 112 100
 114 31.8 21.9 40.7
 77 58.0 46.9 70.3





#52

Ethylbenzene

Concen: 4.857 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV007219.D

Acq: 27 Aug 2018 19:28

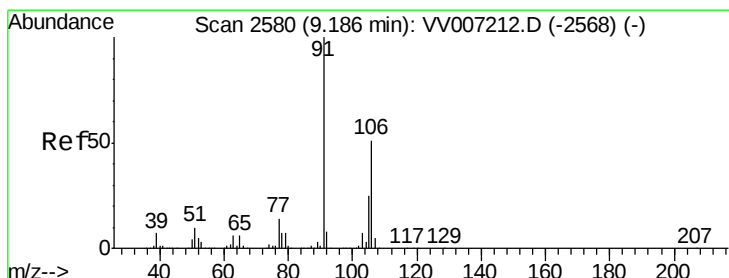
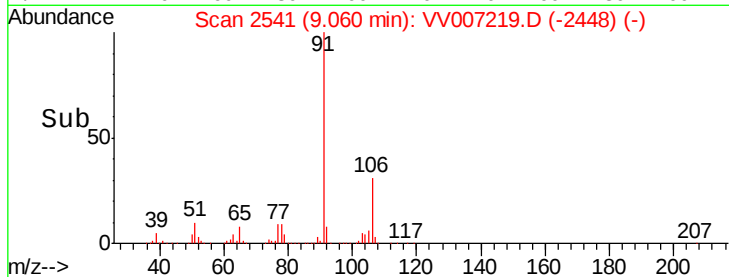
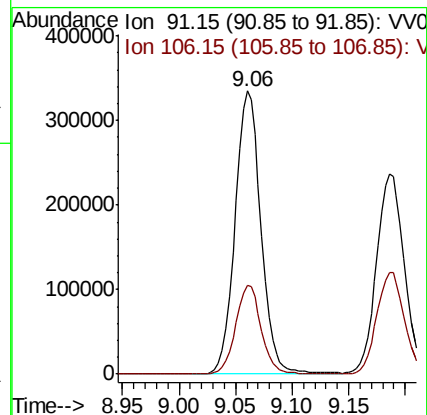
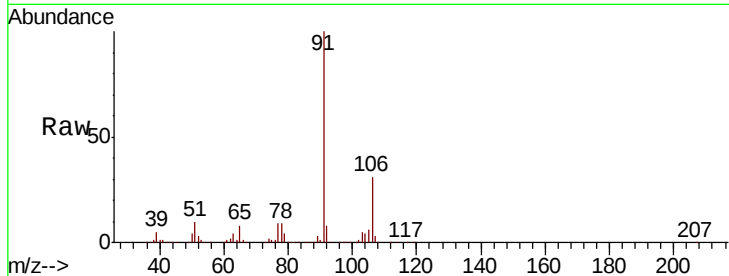
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 533775

Ion Ratio Lower Upper

91 100

106 31.2 21.7 40.3



#53

m,p-xylene

Concen: 4.910 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV007219.D

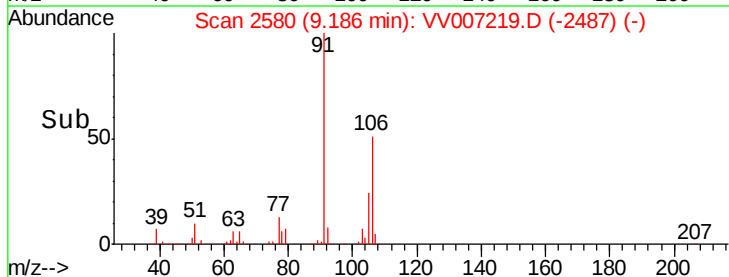
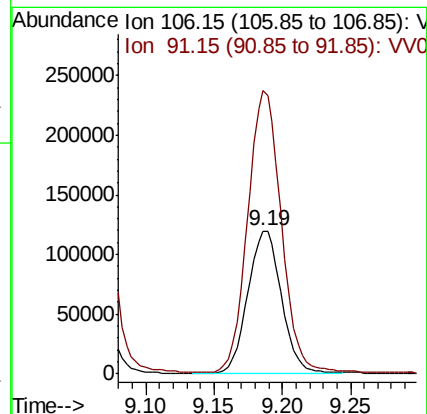
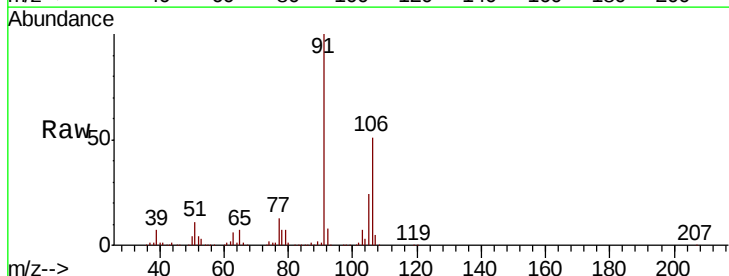
Acq: 27 Aug 2018 19:28

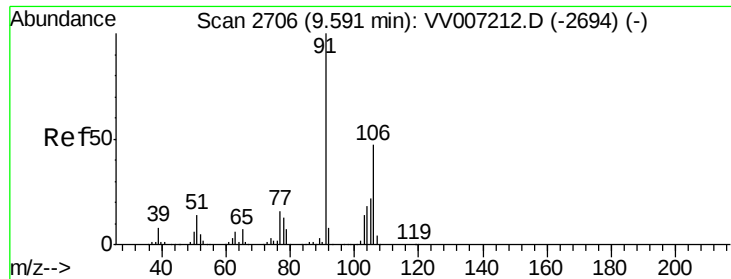
Tgt Ion: 106 Resp: 204376

Ion Ratio Lower Upper

106 100

91 197.8 141.5 262.7





#54

o-xylene

Concen: 4.902 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV007219.D

Acq: 27 Aug 2018 19:28

Instrument :

MSVOA_V

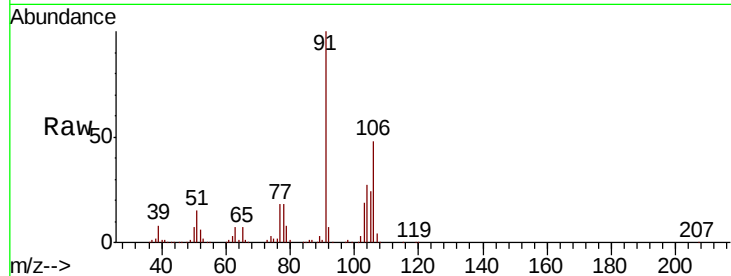
ClientSampled :

Tot Ion:106 Resp: 194592

Ion Ratio Lower Upper

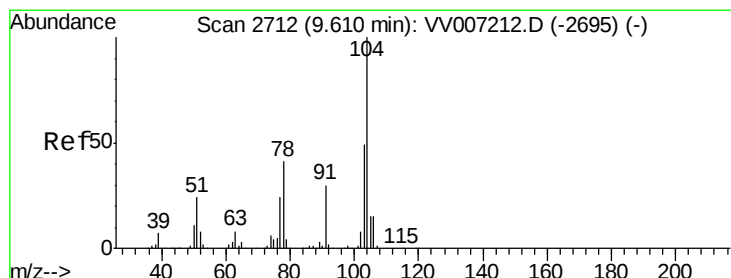
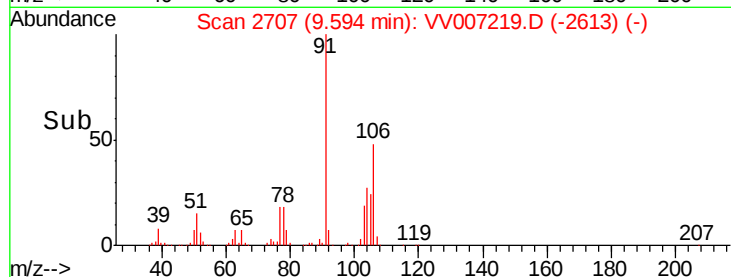
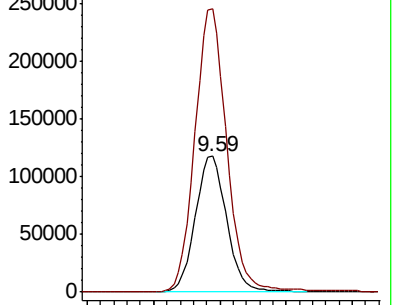
106 100

91 208.4 144.2 267.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.195 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV007219.D

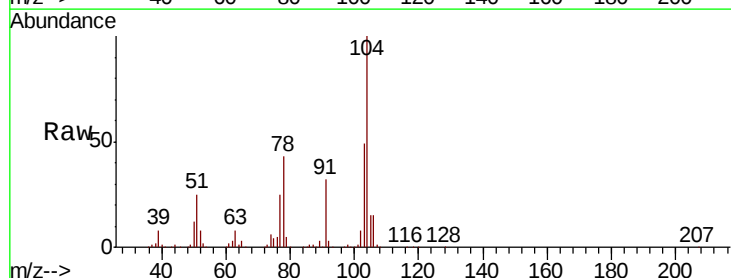
Acq: 27 Aug 2018 19:28

Tgt Ion:104 Resp: 351492

Ion Ratio Lower Upper

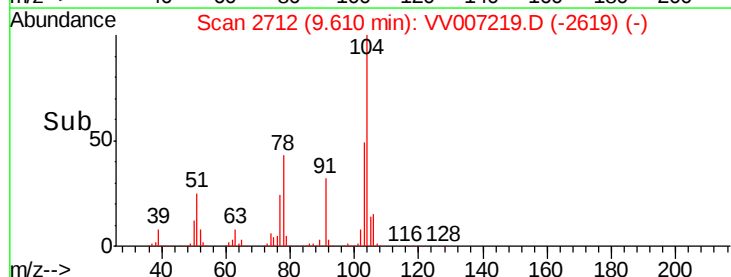
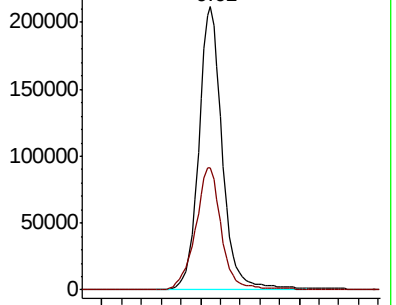
104 100

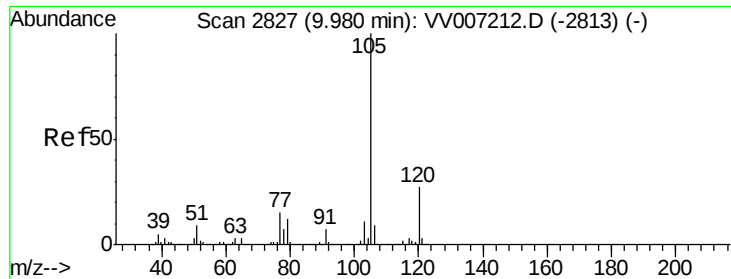
78 42.9 28.9 53.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.957 ug/L

RT: 9.98 min Scan# 2827

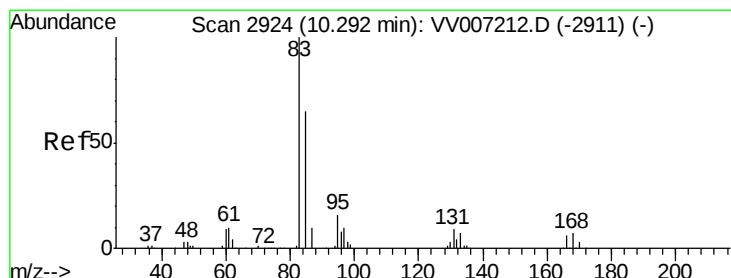
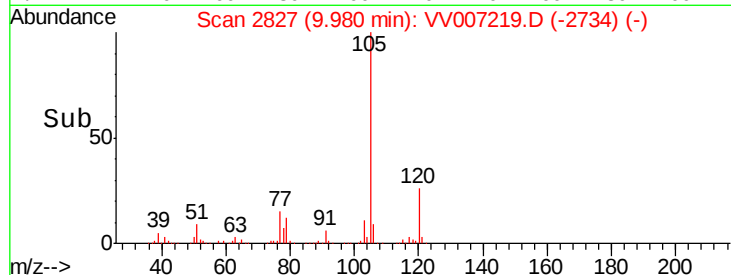
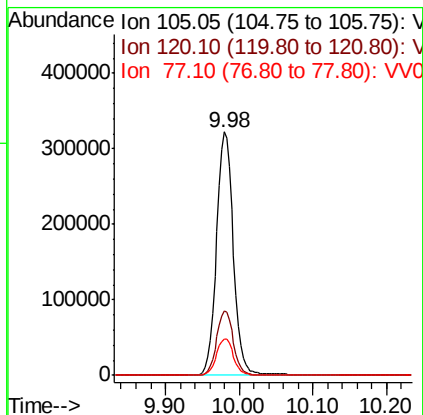
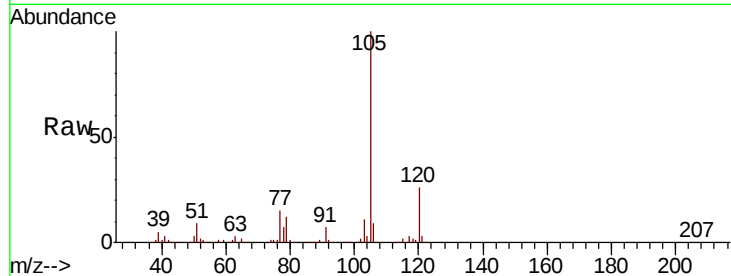
Delta R.T. 0.00 min

Lab File: VV007219.D

Acq: 27 Aug 2018 19:28

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	105	Resp:	510890
Ion	Ratio	Lower	Upper
105	100		
120	26.3	21.8	32.8
77	15.1	12.6	18.8



#58

1,1,2,2-Tetrachloroethane

Concen: 4.938 ug/L

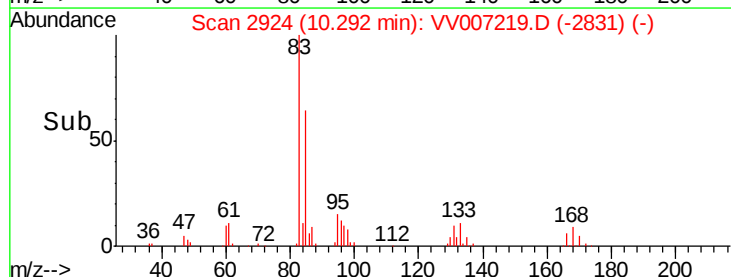
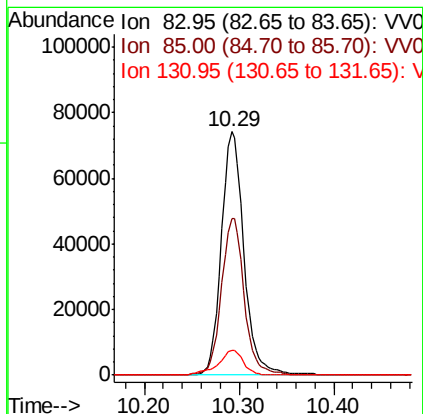
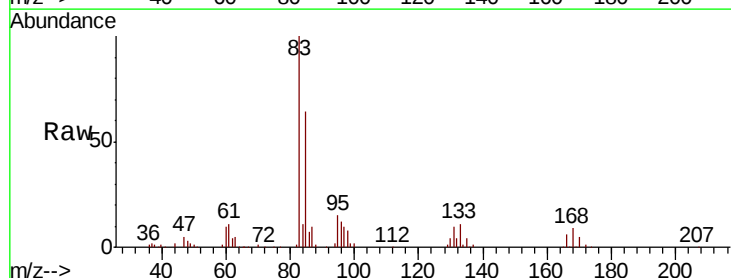
RT: 10.29 min Scan# 2924

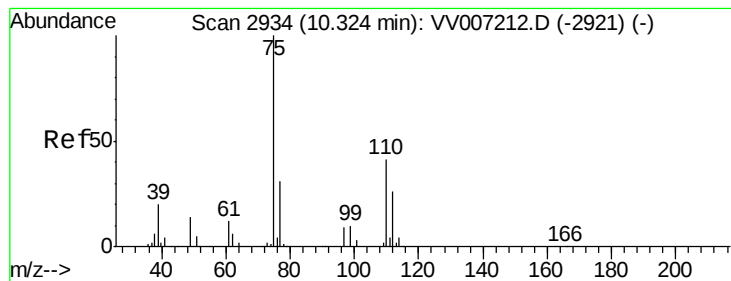
Delta R.T. 0.00 min

Lab File: VV007219.D

Acq: 27 Aug 2018 19:28

Tgt Ion:	83	Resp:	123078
Ion	Ratio	Lower	Upper
83	100		
85	64.1	44.4	82.5
131	10.2	7.3	10.9





#59

1,2,3-Trichloropropane

Concen: 4.974 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. 0.00 min

Lab File: VV007219.D

Acq: 27 Aug 2018 19:28

Instrument :

MSVOA_V

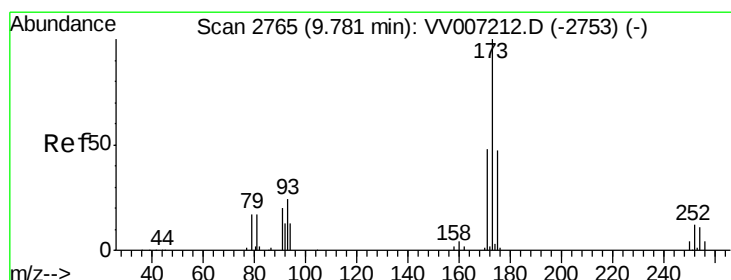
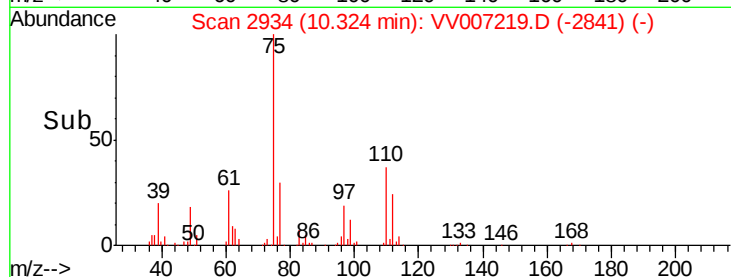
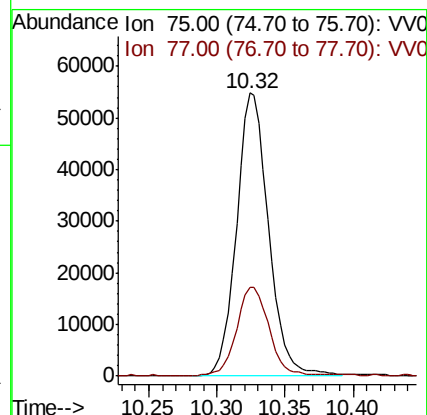
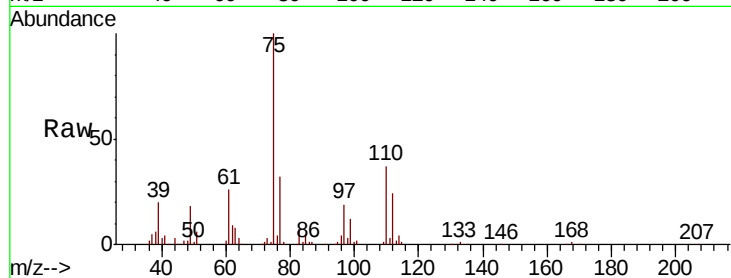
ClientSampleId :

Tot Ion: 75 Resp: 89554

Ion Ratio Lower Upper

75 100

77 31.1 25.6 38.4



#61

Bromoform

Concen: 4.586 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007219.D

Acq: 27 Aug 2018 19:28

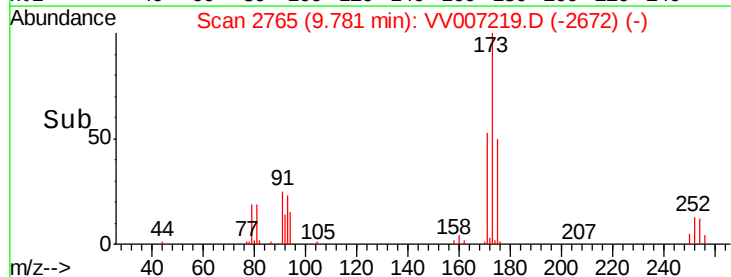
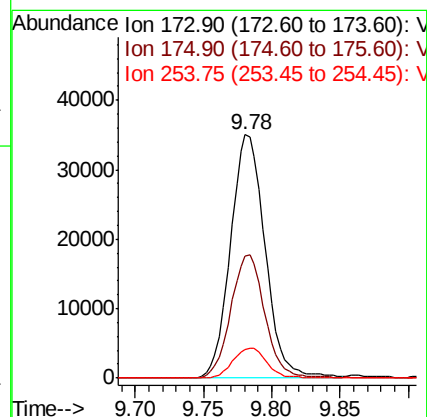
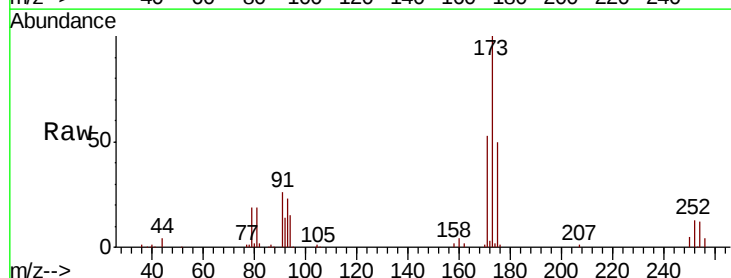
Tgt Ion: 173 Resp: 61873

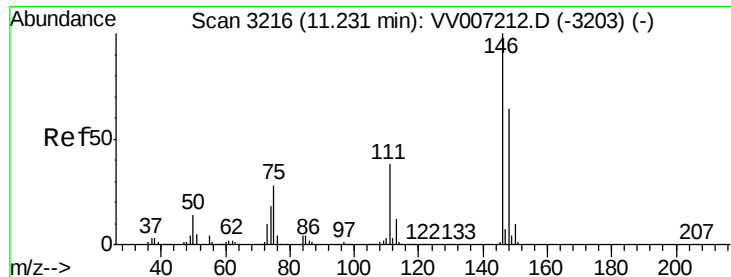
Ion Ratio Lower Upper

173 100

175 49.8 38.9 58.3

254 11.9 9.6 14.4





#62

1,3-Dichlorobenzene

Concen: 4.732 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV007219.D

Acq: 27 Aug 2018 19:28

Instrument :

MSVOA_V

ClientSampleId :

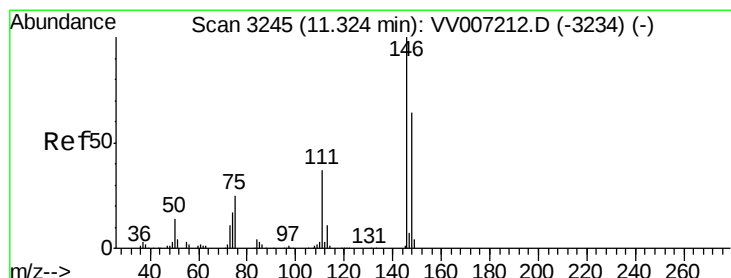
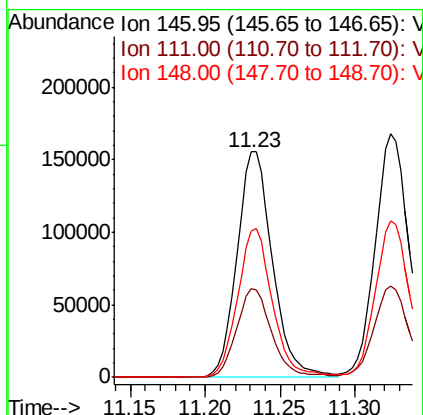
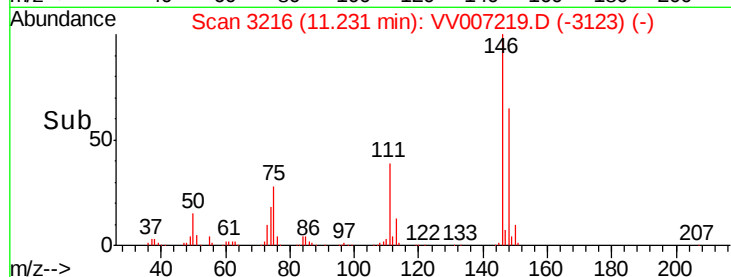
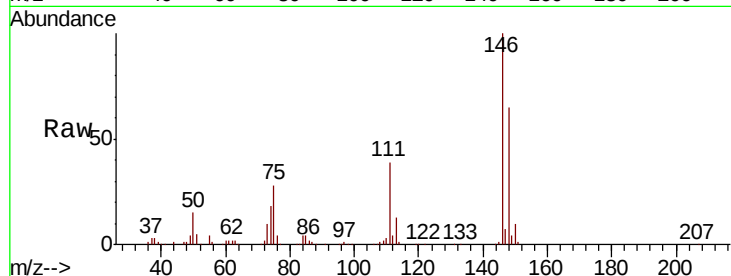
Tot Ion:146 Resp: 257581

Ion Ratio Lower Upper

146 100

111 39.4 27.4 50.8

148 65.1 45.3 84.1



#63

1,4-Dichlorobenzene

Concen: 4.776 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV007219.D

Acq: 27 Aug 2018 19:28

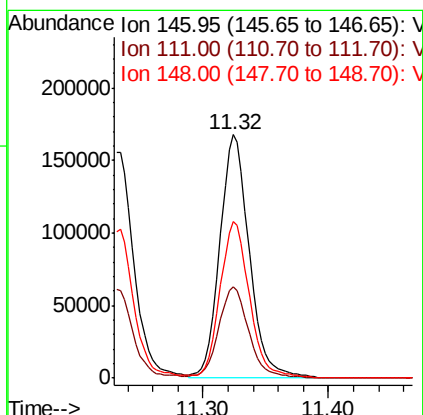
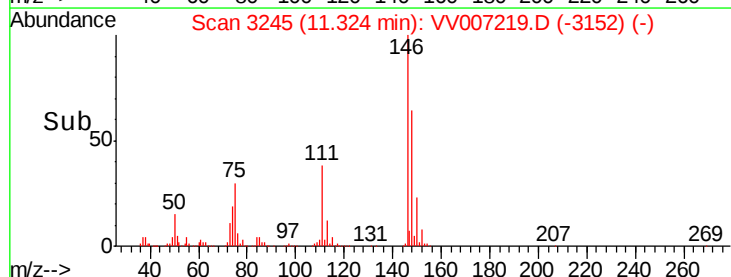
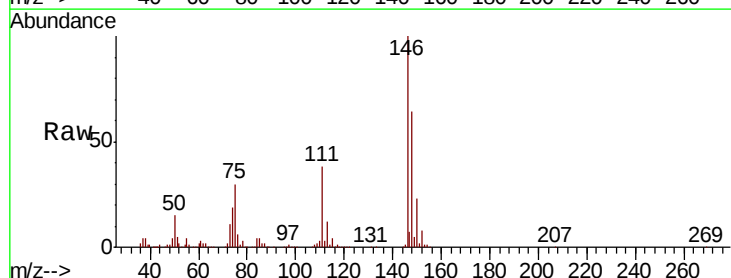
Tgt Ion:146 Resp: 272572

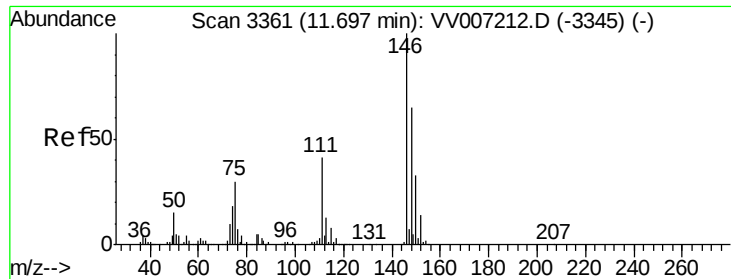
Ion Ratio Lower Upper

146 100

111 37.7 26.7 49.7

148 64.4 44.4 82.4





#65

1,2-Dichlorobenzene

Concen: 4.907 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV007219.D

Acq: 27 Aug 2018 19:28

Instrument :

MSVOA_V

ClientSampleId :

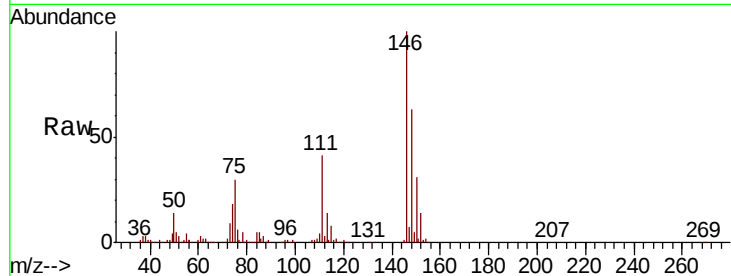
Tot Ion:146 Resp: 268632

Ion Ratio Lower Upper

146 100

111 40.8 32.7 49.1

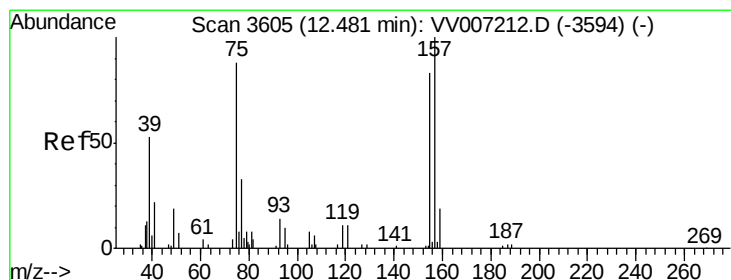
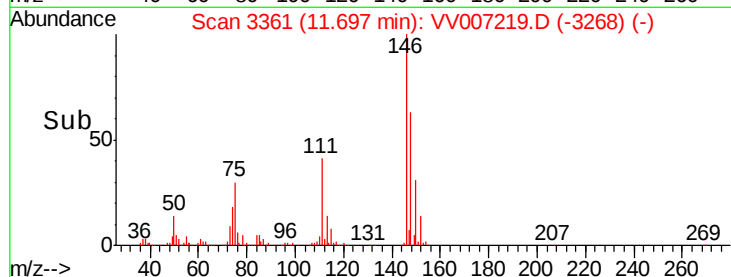
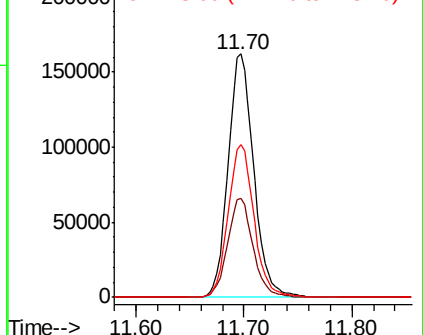
148 62.8 49.8 74.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.519 ug/L

RT: 12.48 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VV007219.D

Acq: 27 Aug 2018 19:28

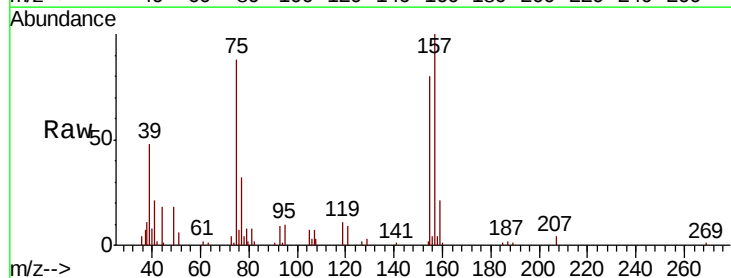
Tgt Ion: 75 Resp: 14260

Ion Ratio Lower Upper

75 100

155 91.2 62.7 94.1

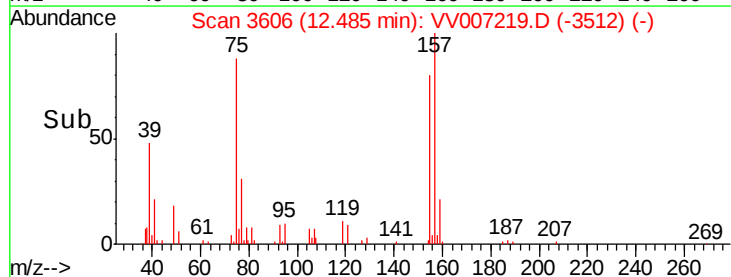
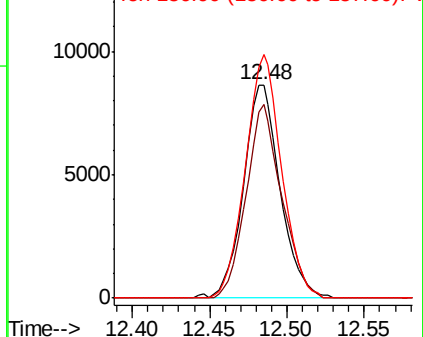
157 114.3 79.7 119.5

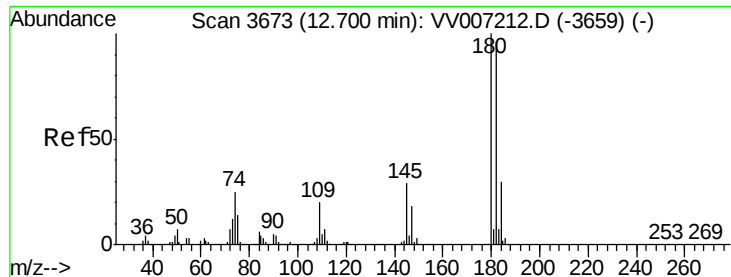


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V





#67

1,3,5-Trichlorobenzene

Concen: 4.845 ug/L

RT: 12.70 min Scan# 3673

Delta R.T. 0.00 min

Lab File: VV007219.D

Acq: 27 Aug 2018 19:28

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:180 Resp: 197971

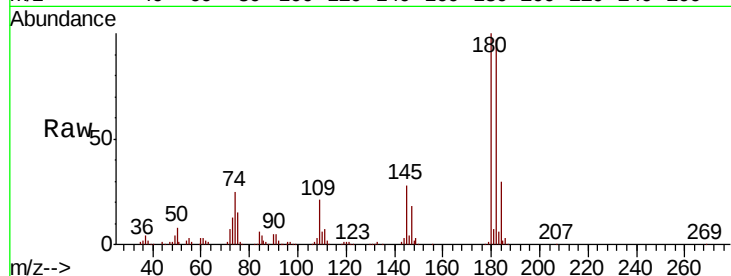
Ion Ratio Lower Upper

180 100

182 95.0 76.6 115.0

184 30.4 24.4 36.6

145 28.2 22.2 33.2



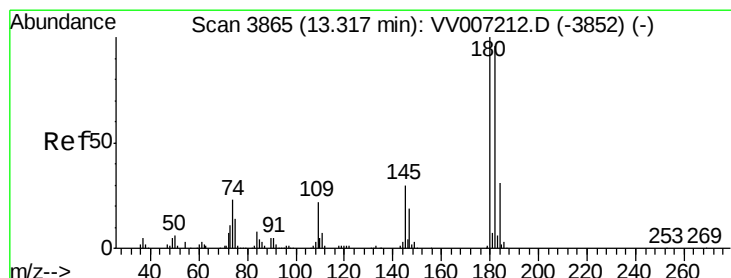
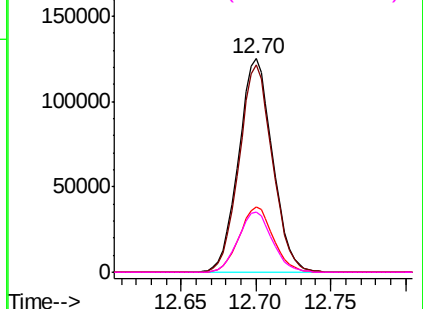
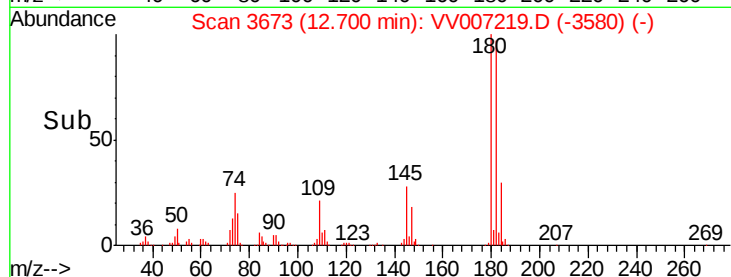
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68

1,2,4-trichlorobenzene

Concen: 5.151 ug/L

RT: 13.32 min Scan# 3865

Delta R.T. 0.00 min

Lab File: VV007219.D

Acq: 27 Aug 2018 19:28

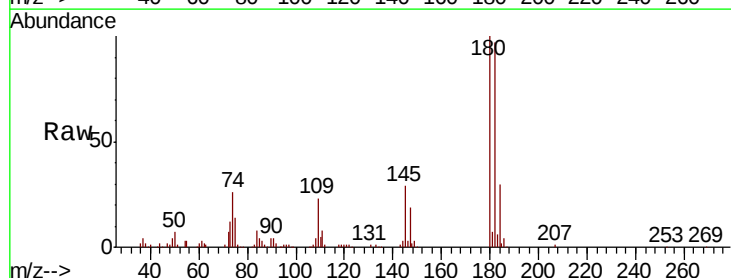
Tgt Ion:180 Resp: 140780

Ion Ratio Lower Upper

180 100

182 97.5 78.4 117.6

145 28.8 22.9 34.3

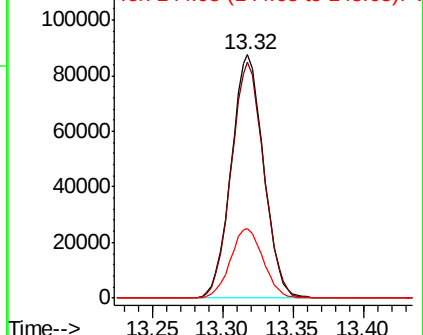
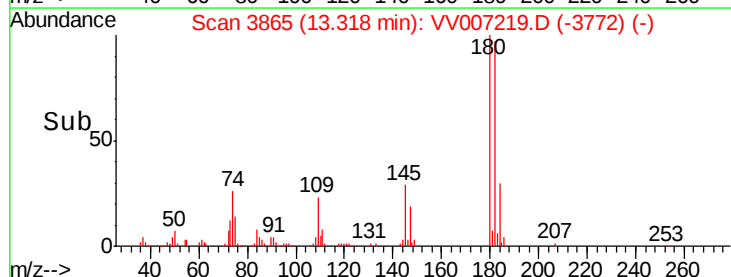


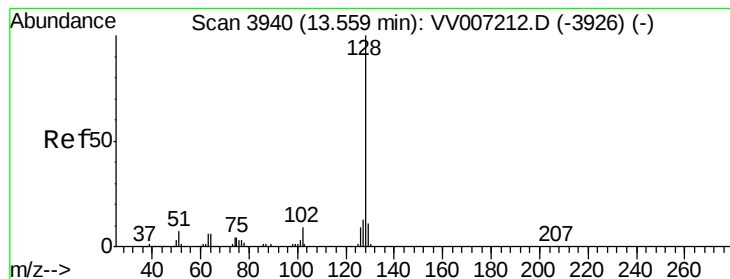
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.385 ug/L

RT: 13.56 min Scan# 3941

Delta R.T. 0.00 min

Lab File: VV007219.D

Acq: 27 Aug 2018 19:28

Instrument :

MSVOA_V

ClientSampleId :

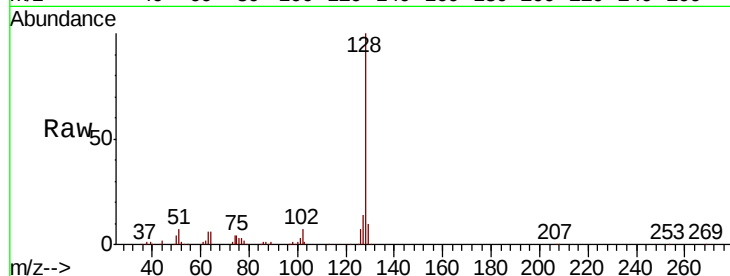
Tot Ion:128 Resp: 195144

Ion Ratio Lower Upper

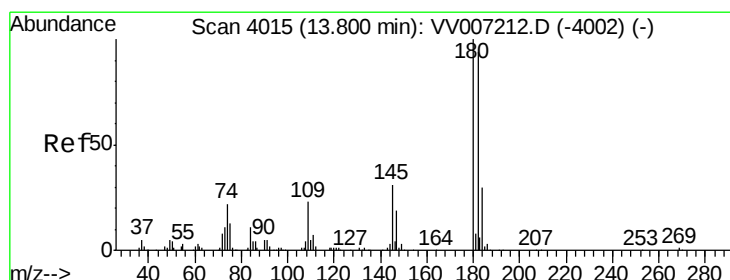
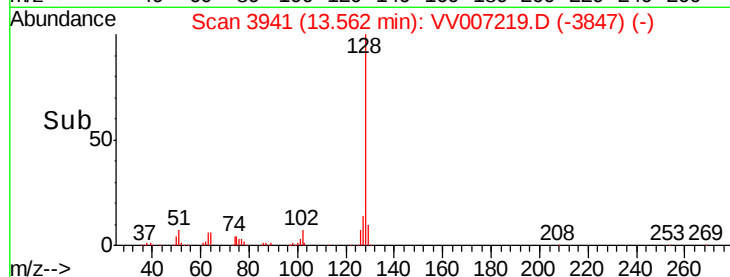
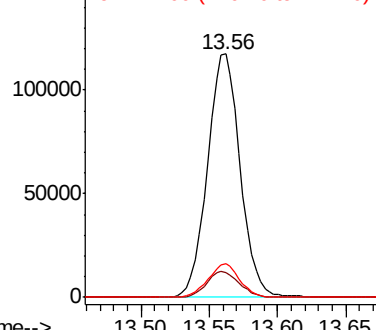
128 100

129 10.6 8.5 12.7

127 13.4 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.281 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV007219.D

Acq: 27 Aug 2018 19:28

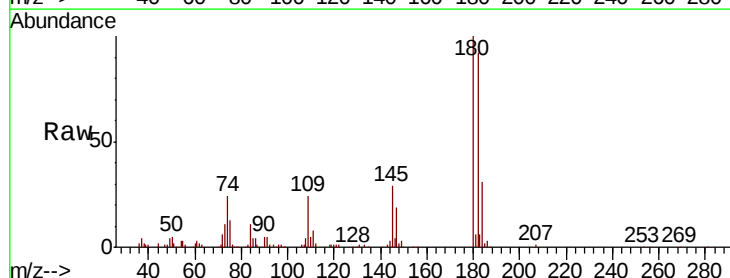
Tgt Ion:180 Resp: 141028

Ion Ratio Lower Upper

180 100

182 93.8 76.2 114.2

145 29.9 23.8 35.8



Abundance Ion 179.90 (179.60 to 180.60): V
Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

