

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082818\
 Data File : VV007230.D
 Acq On : 28 Aug 2018 16:33
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

Quant Time: Aug 29 03:58:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082818WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 29 01:25:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	254998	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	249838	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	121501	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	82199	4.54	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.80%
7) Chloroethane-d5	1.58	69	69641	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.40%
11) 1,1-Dichloroethene-d2	2.13	63	147913	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.40%
20) 2-Butanone-d5	3.97	46	230848	51.08	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.16%
24) Chloroform-d	4.40	84	173340	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.09	65	86032	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
32) Benzene-d6	5.10	84	337398	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
36) 1,2-Dichloropropane-d6	6.12	67	109830	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.00%
41) Toluene-d8	7.36	98	309879	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
43) trans-1,3-Dichloropropene-	7.67	79	38963	4.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.00%
46) 2-Hexanone-d5	8.15	63	101165	46.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.76%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	86543	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	111696	4.78	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	96485	5.149	ug/L 100
3) Chloromethane	1.25	50	103838	5.056	ug/L 98
5) Vinyl chloride	1.32	62	100592	5.116	ug/L 99
6) Bromomethane	1.54	94	35012	4.973	ug/L 100
8) Chloroethane	1.60	64	61747	5.122	ug/L 98
9) Trichlorofluoromethane	1.77	101	140041	5.092	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	88848	5.142	ug/L 99
12) 1,1-Dichloroethene	2.14	96	81307	5.269	ug/L 93
13) Acetone	2.21	43	119430	52.693	ug/L 98
14) Carbon disulfide	2.32	76	224522	4.935	ug/L 100
15) Methyl Acetate	2.47	43	30519	5.077	ug/L 95
16) Methylene chloride	2.54	84	94028	5.026	ug/L 98
17) Methyl tert-butyl Ether	2.82	73	201615	5.074	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	87645	5.098	ug/L 98
19) 1,1-Dichloroethane	3.23	63	173732	4.965	ug/L 98
21) 2-Butanone	4.06	43	251903	53.449	ug/L 96
22) cis-1,2-Dichloroethene	3.96	96	99682	5.052	ug/L 99

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 Data File : VV007230.D
 Acq On : 28 Aug 2018 16:33
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

Quant Time: Aug 29 03:58:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082818WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 29 01:25:15 2018
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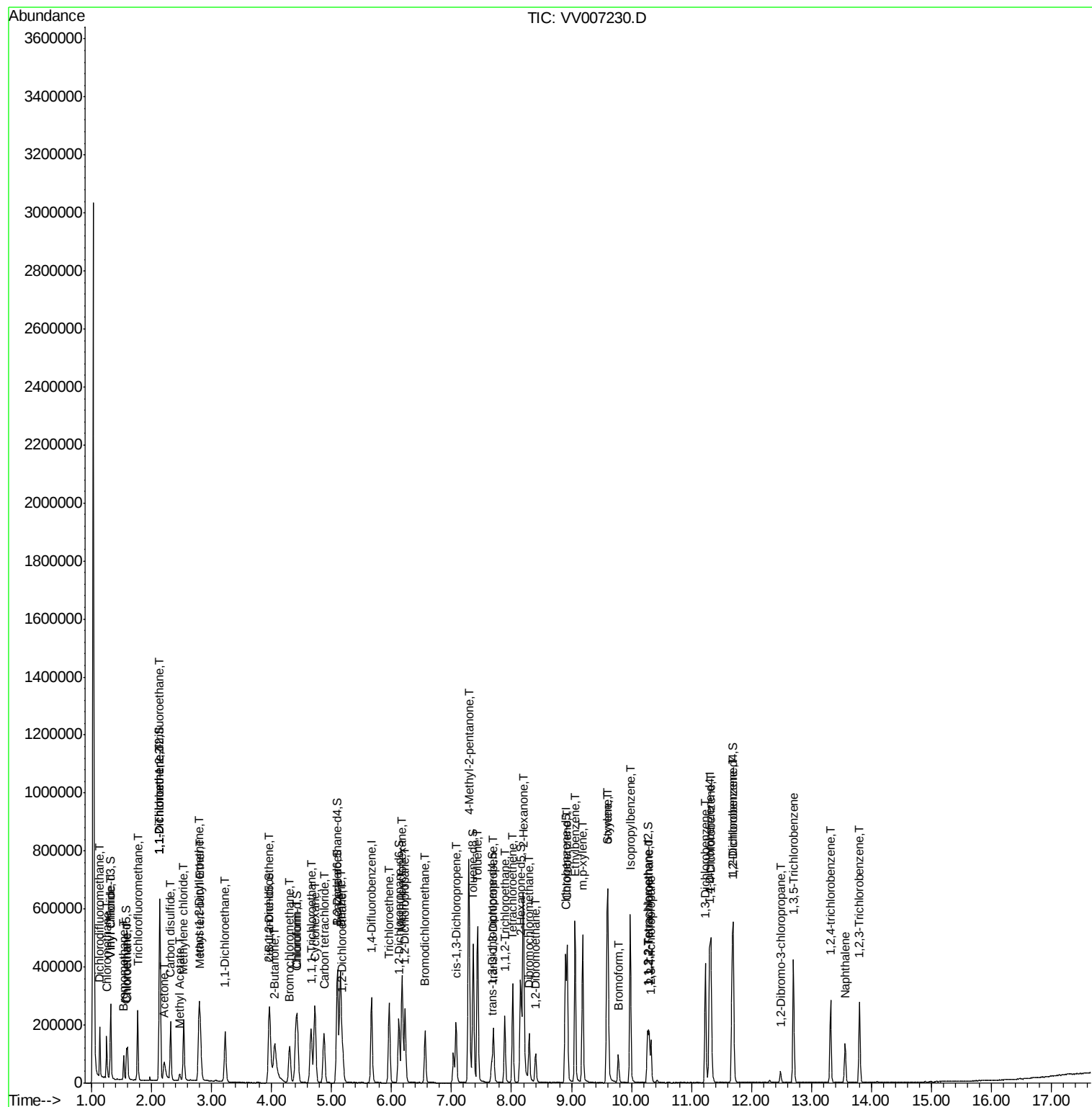
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	45043	5.040	ug/L	99
25) Chloroform	4.43	83	180036	5.138	ug/L	97
27) 1,2-Dichloroethane	5.19	62	106475	5.168	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	151164	5.192	ug/L	99
30) Cyclohexane	4.72	56	129244	5.045	ug/L	99
31) Carbon tetrachloride	4.87	117	127949	5.189	ug/L	100
33) Benzene	5.15	78	389172	5.258	ug/L	100
34) Trichloroethene	5.96	95	94926	5.085	ug/L	98
35) Methylcyclohexane	6.18	83	138248	5.064	ug/L	100
37) 1,2-Dichloropropane	6.22	63	103540	5.271	ug/L	100
38) Bromodichloromethane	6.56	83	124606	5.290	ug/L	96
39) cis-1,3-Dichloropropene	7.08	75	128194	5.261	ug/L	100
40) 4-Methyl-2-pentanone	7.29	43	560063	54.439	ug/L	100
42) Toluene	7.43	91	401712	5.528	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	107460	5.287	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	71344	5.038	ug/L	97
47) Tetrachloroethene	8.02	164	81581	5.288	ug/L	98
48) 2-Hexanone	8.20	43	436018	56.790	ug/L	99
49) Dibromochloromethane	8.30	129	82737	5.191	ug/L	100
50) 1,2-Dibromoethane	8.40	107	63897	5.279	ug/L	99
51) Chlorobenzene	8.93	112	253534	5.132	ug/L	99
52) Ethylbenzene	9.06	91	378969	5.192	ug/L	100
53) m,p-xylene	9.19	106	147907	5.321	ug/L	99
54) o-xylene	9.59	106	139565	5.395	ug/L	96
55) Styrene	9.61	104	246071	5.425	ug/L	98
56) Isopropylbenzene	9.98	105	371198	5.395	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	86510	5.223	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	63277	5.302	ug/L	100
61) Bromoform	9.78	173	44652	4.896	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	184166	5.053	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	194739	5.055	ug/L	98
65) 1,2-Dichlorobenzene	11.70	146	187226	5.140	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	10078	4.723	ug/L	96
67) 1,3,5-Trichlorobenzene	12.70	180	141591	5.308	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	96301	5.363	ug/L	100
69) Naphthalene	13.56	128	114303	5.094	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	90344	5.127	ug/L	96

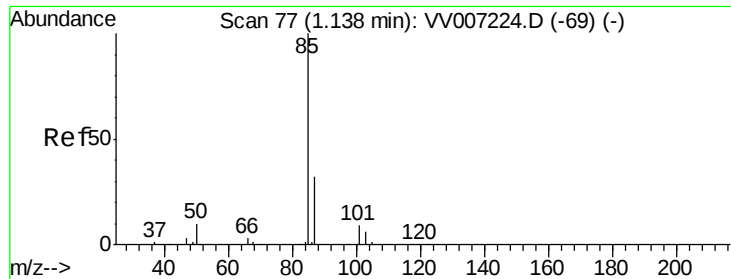
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Data File : VV007230.D
Acq On : 28 Aug 2018 16:33
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Sample : VSTDCCC005
Misc : 25.0 mL/MSVOA V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

Quant Time: Aug 29 03:58:03 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082818WMA.M
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#2

Dichlorodifluoromethane

Concen: 5.149 ug/L

RT: 1.14 min Scan# 77

Delta R.T. 0.00 min

Lab File: VV007230.D

Acq: 28 Aug 2018 16:33

Instrument :

MSVOA_V

ClientSampleId :

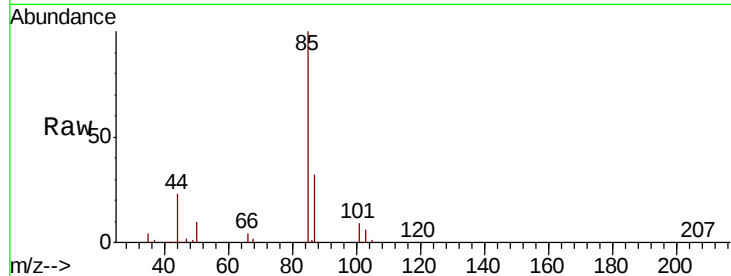
VSTD00563

Tot Ion: 85 Resp: 96485

Ion Ratio Lower Upper

85 100

87 32.3 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV007224.D (-69) (-)

Ion 87.00 (86.70 to 87.70): VV007224.D (-69) (-)

1.14

100000

80000

60000

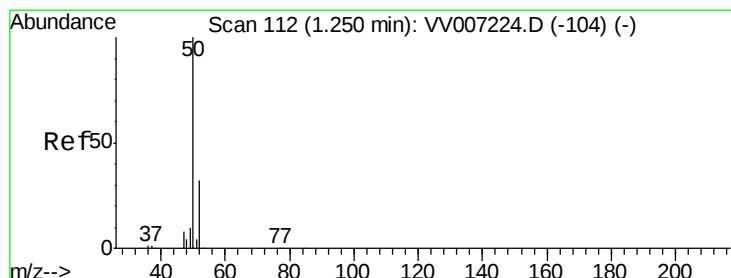
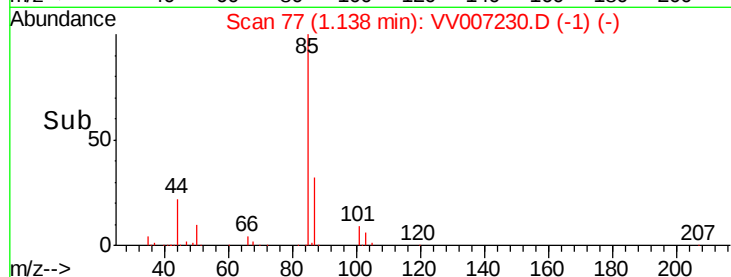
40000

20000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 5.056 ug/L

RT: 1.25 min Scan# 112

Delta R.T. 0.00 min

Lab File: VV007230.D

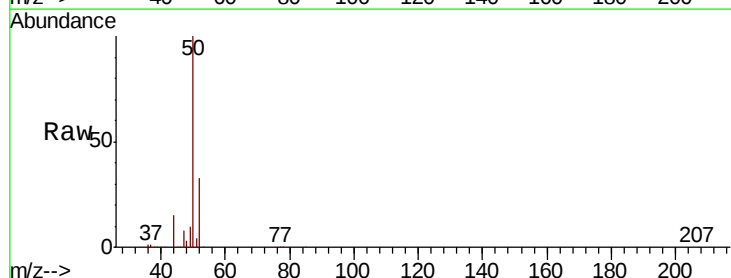
Acq: 28 Aug 2018 16:33

Tgt Ion: 50 Resp: 103838

Ion Ratio Lower Upper

50 100

52 33.3 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VV007224.D (-104) (-)

Ion 52.05 (51.75 to 52.75): VV007224.D (-104) (-)

1.25

100000

80000

60000

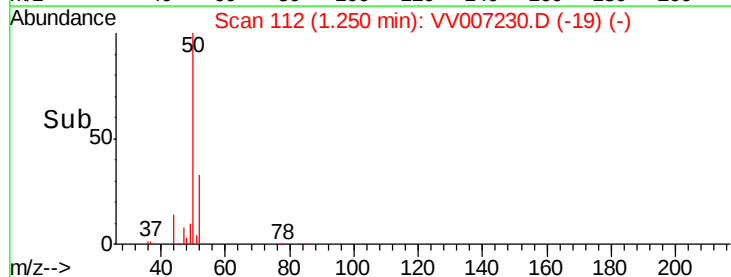
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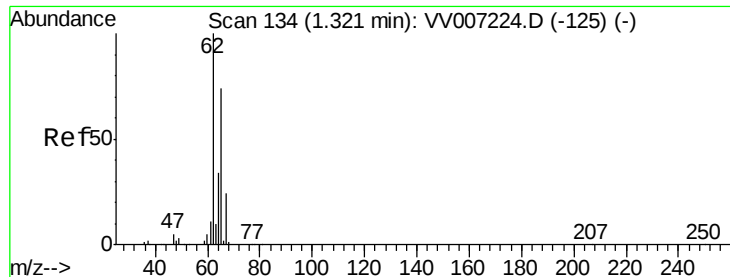
20000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 5.116 ug/L

RT: 1.32 min Scan# 134

Delta R.T. 0.00 min

Lab File: VV007230.D

Acq: 28 Aug 2018 16:33

Instrument :

MSVOA_V

ClientSampleId :

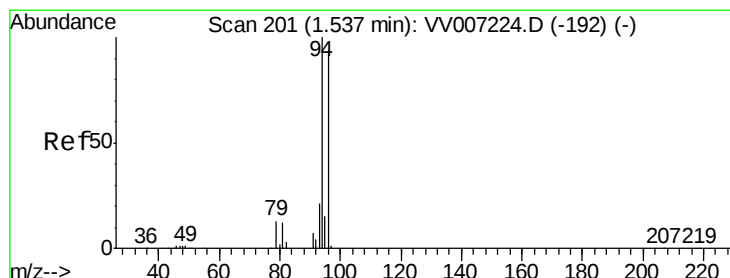
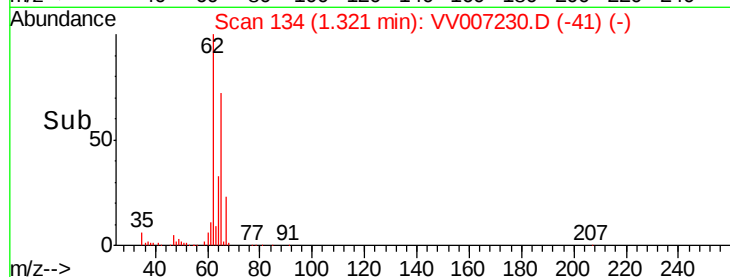
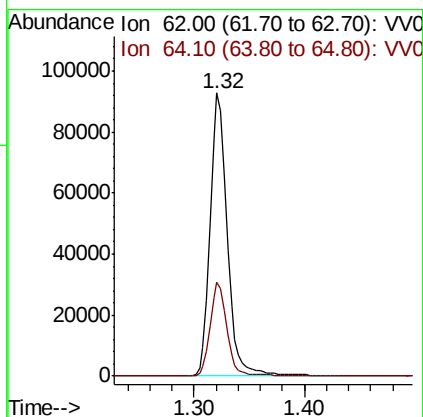
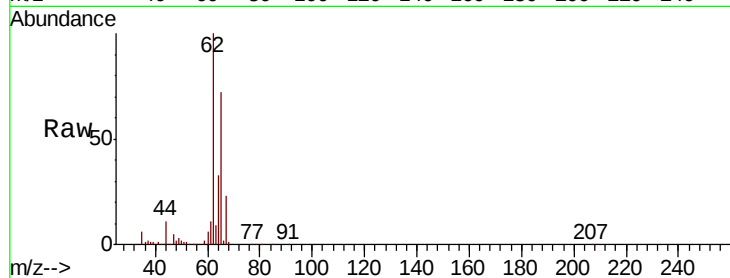
VSTD00563

Tot Ion: 62 Resp: 100592

Ion Ratio Lower Upper

62 100

64 33.3 23.6 43.8



#6

Bromomethane

Concen: 4.973 ug/L

RT: 1.54 min Scan# 201

Delta R.T. 0.00 min

Lab File: VV007230.D

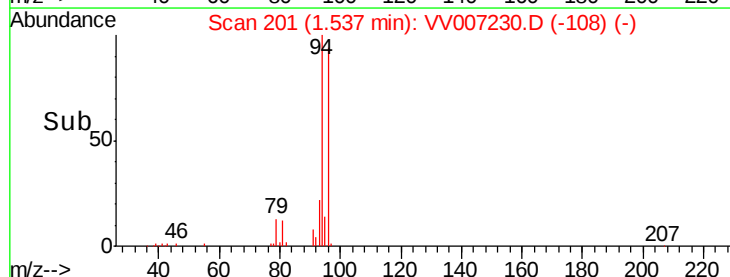
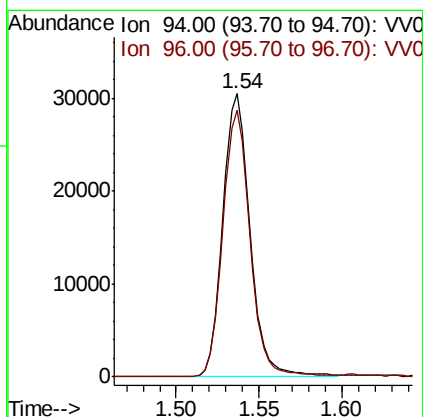
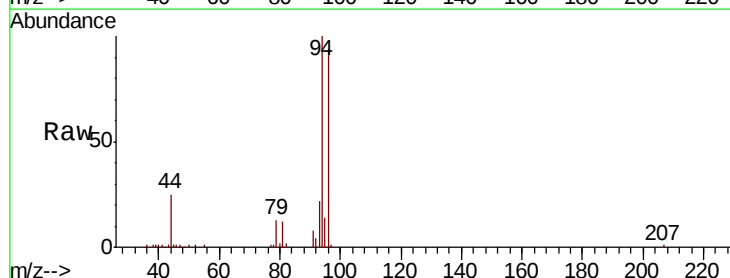
Acq: 28 Aug 2018 16:33

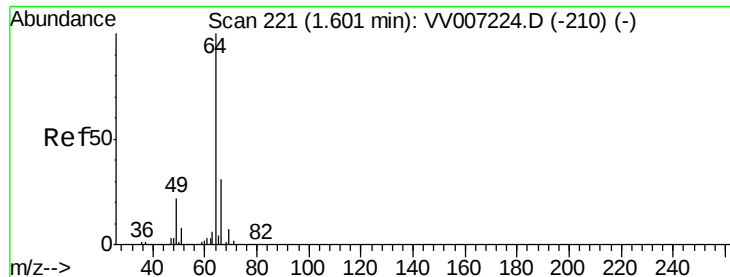
Tgt Ion: 94 Resp: 35012

Ion Ratio Lower Upper

94 100

96 94.1 65.8 122.2

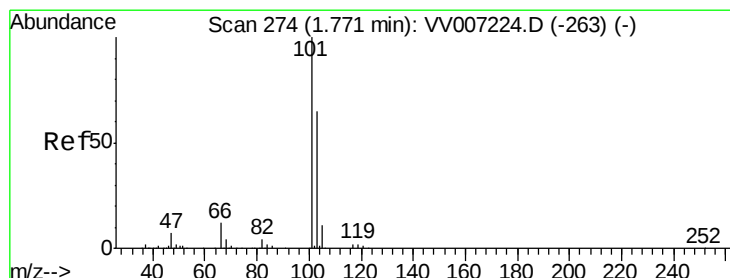
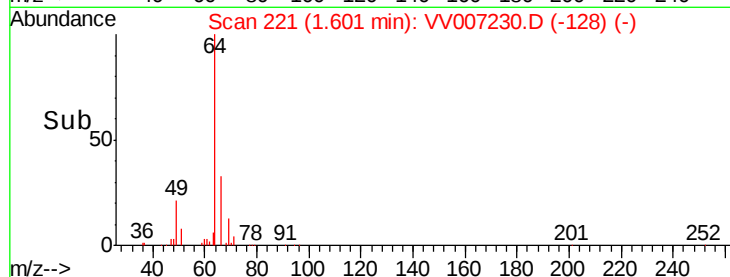
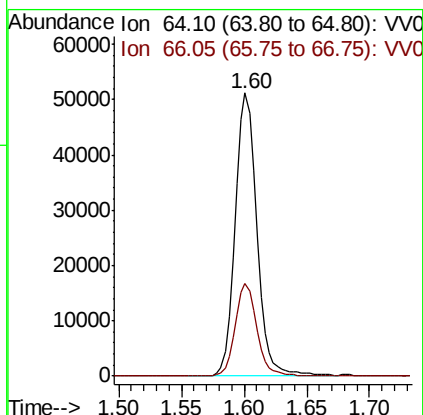
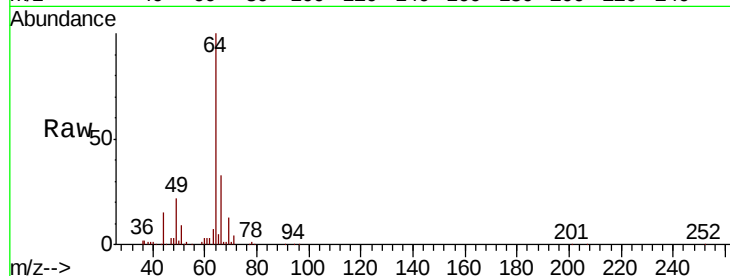




#8
Chloroethane
Concen: 5.122 ug/L
RT: 1.60 min Scan# 221
Delta R.T. 0.00 min
Lab File: VV007230.D
Acq: 28 Aug 2018 16:33

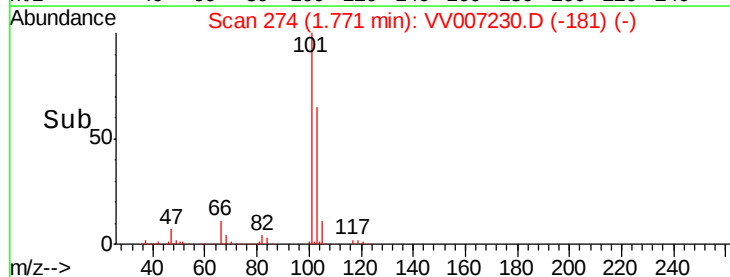
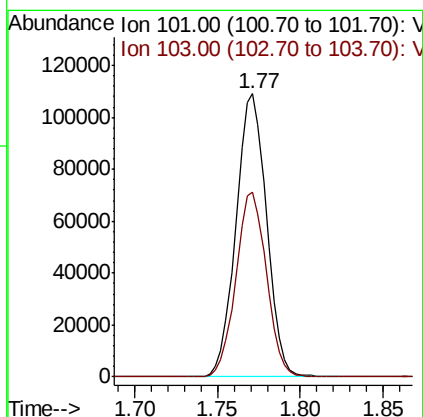
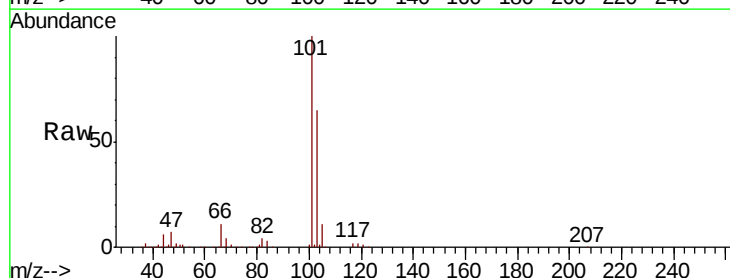
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

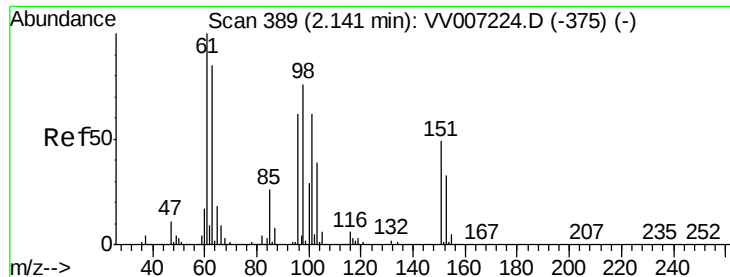
Tot Ion: 64 Resp: 61747
Ion Ratio Lower Upper
64 100
66 32.7 22.2 41.2



#9
Trichlorofluoromethane
Concen: 5.092 ug/L
RT: 1.77 min Scan# 274
Delta R.T. 0.00 min
Lab File: VV007230.D
Acq: 28 Aug 2018 16:33

Tgt Ion: 101 Resp: 140041
Ion Ratio Lower Upper
101 100
103 65.2 51.9 77.9





#10

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

Concen: 5.142 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV007230.D

Acq: 28 Aug 2018 16:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

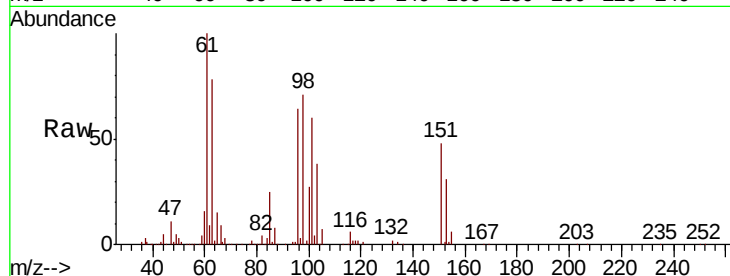
Tot Ion:101 Resp: 88848

Ion Ratio Lower Upper

101 100

85 40.7 33.2 49.8

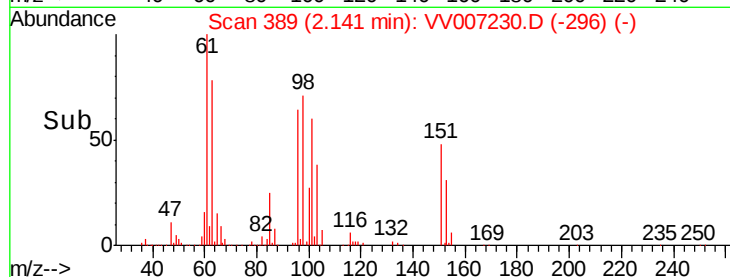
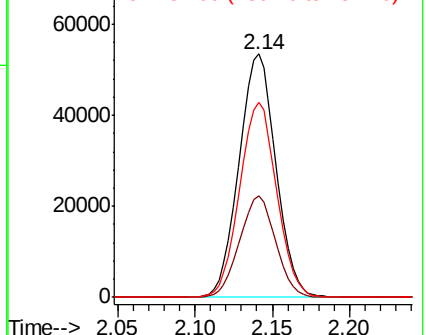
151 80.3 63.8 95.8



Abundance Ion 101.00 (100.70 to 101.70): VV007224.D (-375) (-)

Ion 85.00 (84.70 to 85.70): VV007224.D (-375) (-)

Ion 151.00 (150.70 to 151.70): VV007224.D (-375) (-)



#12

1,1-Dichloroethene

Concen: 5.269 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV007230.D

Acq: 28 Aug 2018 16:33

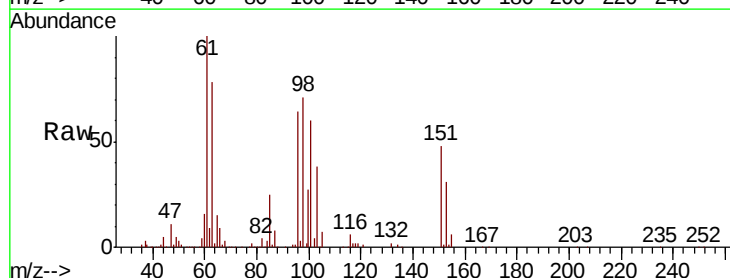
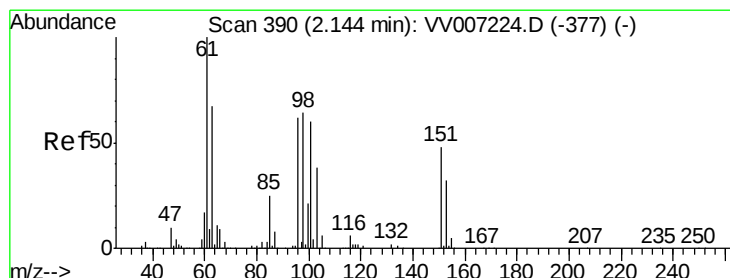
Tgt Ion: 96 Resp: 81307

Ion Ratio Lower Upper

96 100

61 156.1 112.3 208.5

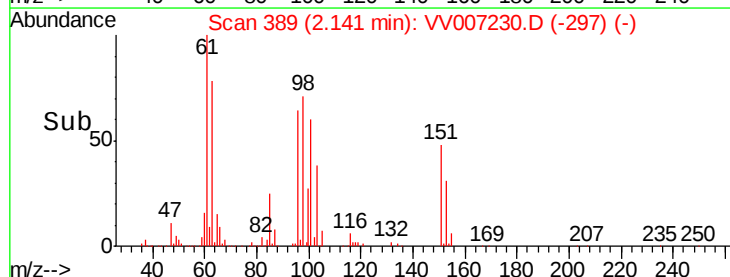
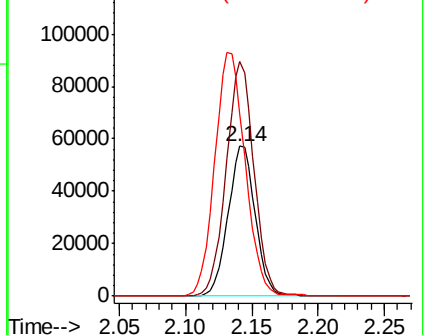
63 121.4 75.4 140.0

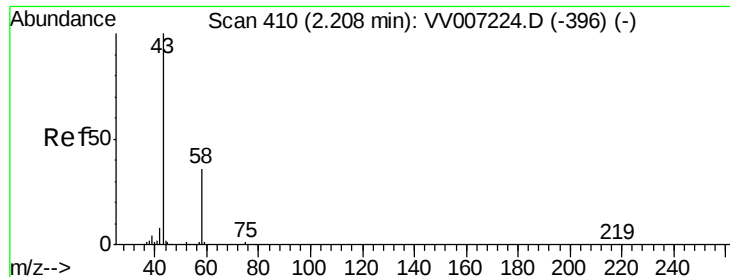


Abundance Ion 96.00 (95.70 to 96.70): VV007224.D (-377) (-)

Ion 61.05 (60.75 to 61.75): VV007224.D (-377) (-)

Ion 63.00 (62.70 to 63.70): VV007224.D (-377) (-)





#13

Acetone

Concen: 52.693 ug/L

RT: 2.21 min Scan# 411

Delta R.T. 0.00 min

Lab File: VV007230.D

Acq: 28 Aug 2018 16:33

Instrument :

MSVOA_V

ClientSampleId :

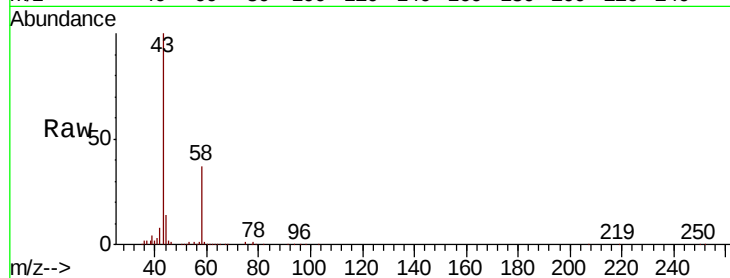
VSTD00563

Tot Ion: 43 Resp: 119430

Ion Ratio Lower Upper

43 100

58 33.8 0.0 70.2



Abundance Ion 43.05 (42.75 to 43.75): VV007224.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VV007224.D (-396) (-)

2.21

40000

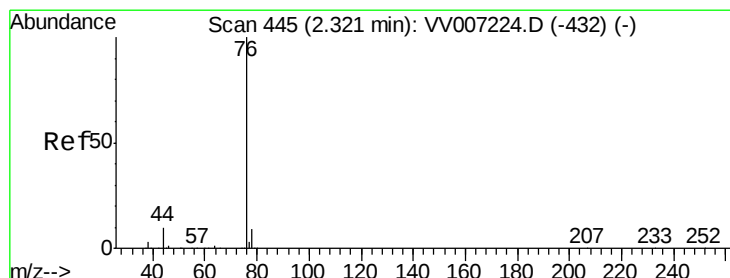
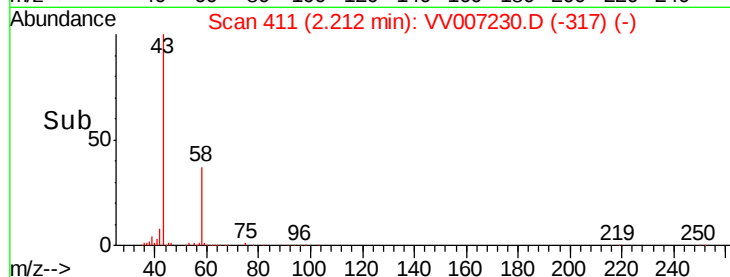
30000

20000

10000

0

Time--> 2.10 2.20 2.30



#14

Carbon disulfide

Concen: 4.935 ug/L

RT: 2.32 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV007230.D

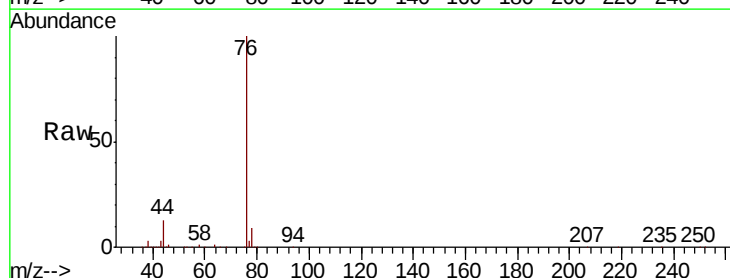
Acq: 28 Aug 2018 16:33

Tgt Ion: 76 Resp: 224522

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VV007224.D (-432) (-)

Ion 78.00 (77.70 to 78.70): VV007224.D (-432) (-)

2.32

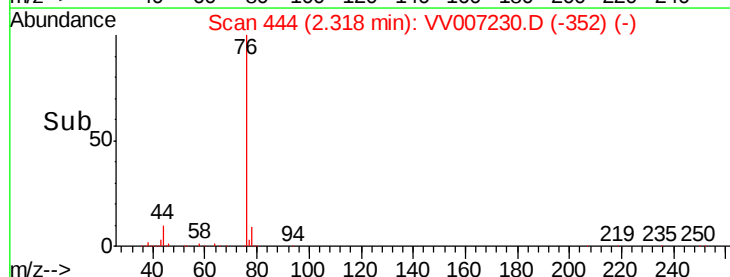
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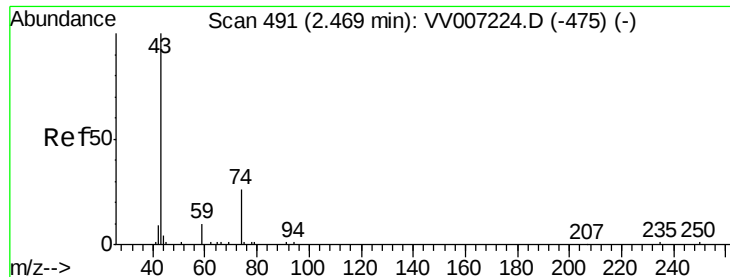
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0

Time--> 2.25 2.30 2.35 2.40

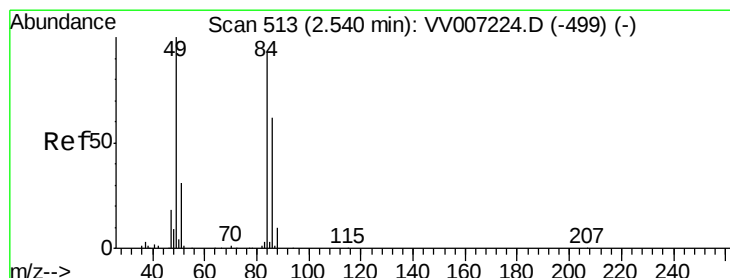
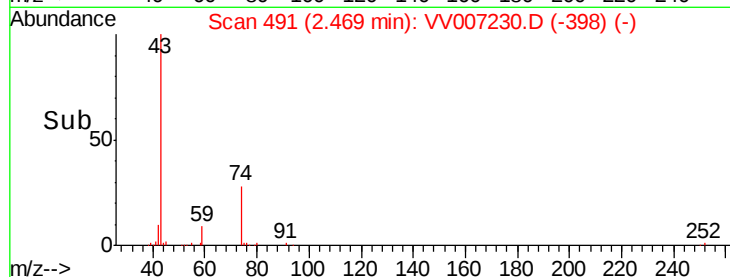
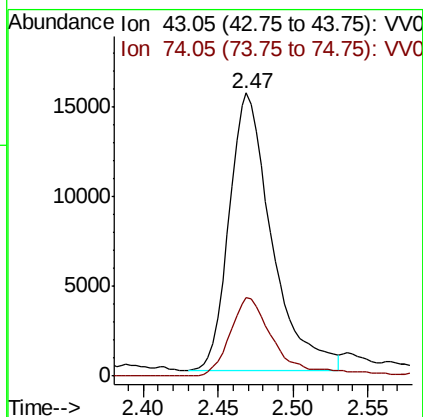
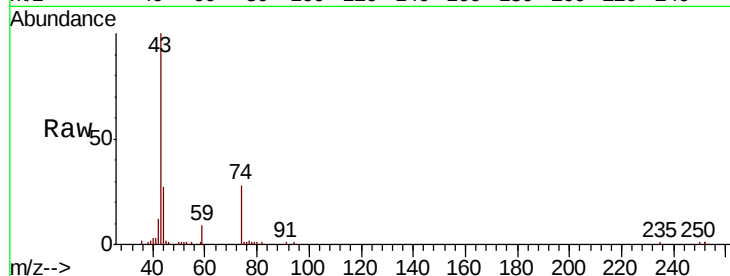




#15
Methvl Acetate
Concen: 5.077 ug/L
RT: 2.47 min Scan# 491
Delta R.T. 0.00 min
Lab File: VV007230.D
Acq: 28 Aug 2018 16:33

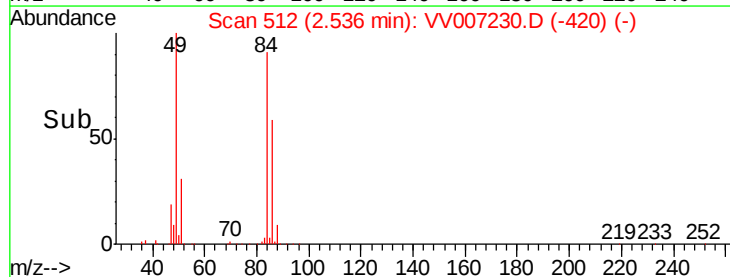
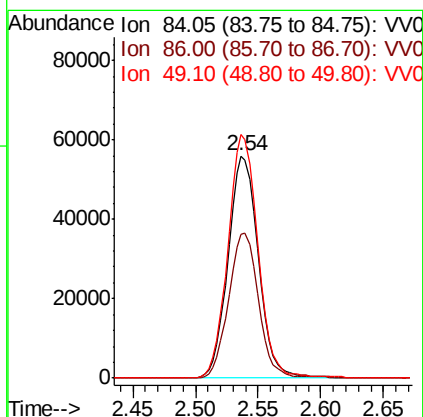
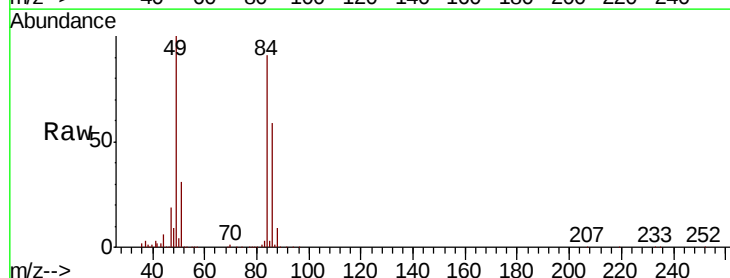
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

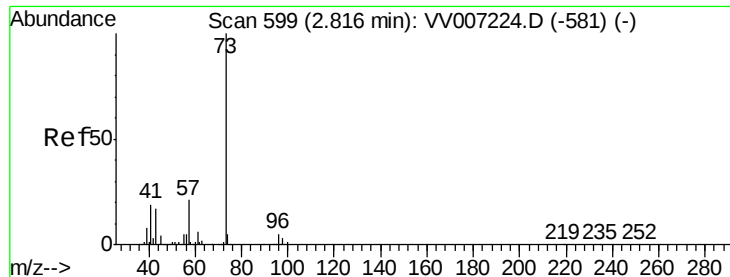
Tot Ion: 43 Resp: 30519
Ion Ratio Lower Upper
43 100
74 30.4 22.2 33.2



#16
Methylene chloride
Concen: 5.026 ug/L
RT: 2.54 min Scan# 512
Delta R.T. -0.00 min
Lab File: VV007230.D
Acq: 28 Aug 2018 16:33

Tgt Ion: 84 Resp: 94028
Ion Ratio Lower Upper
84 100
86 64.8 46.3 85.9
49 109.6 75.2 139.6

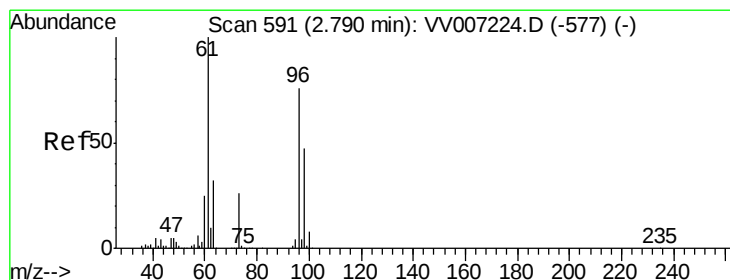
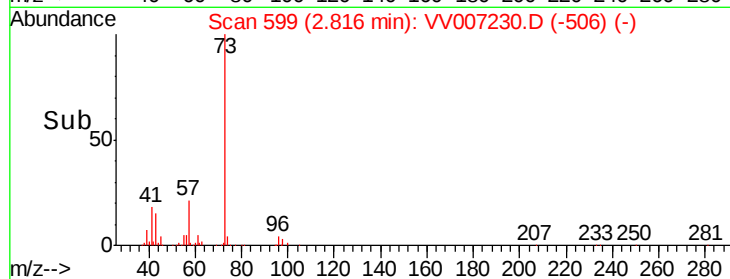
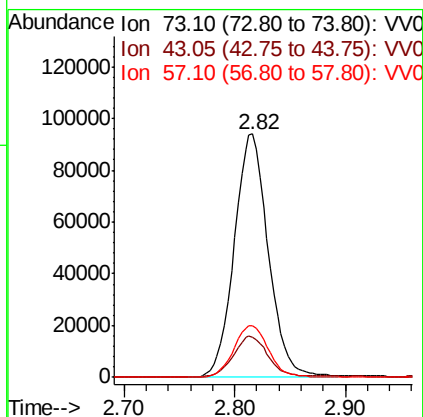
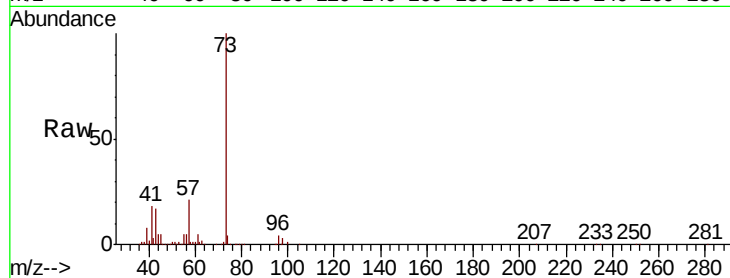




#17
Methvl tert-butvl Ether
Concen: 5.074 ug/L
RT: 2.82 min Scan# 599
Delta R.T. 0.00 min
Lab File: VV007230.D
Acq: 28 Aug 2018 16:33

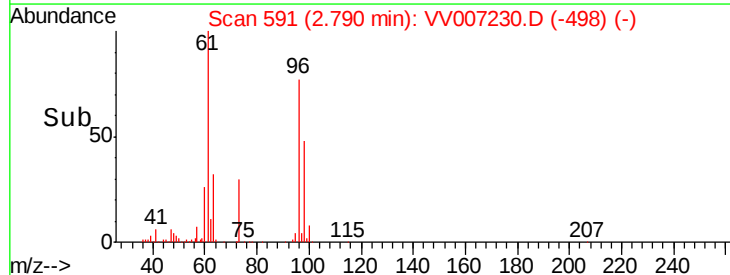
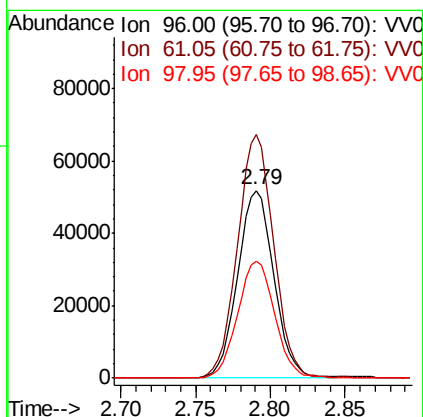
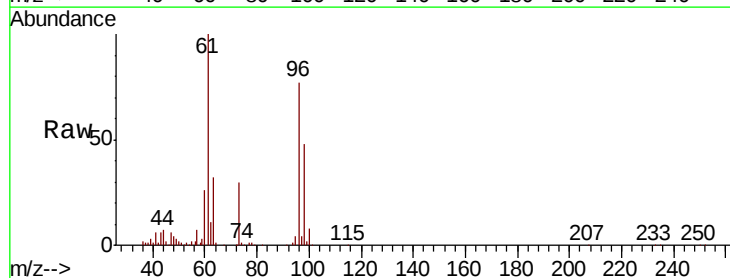
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

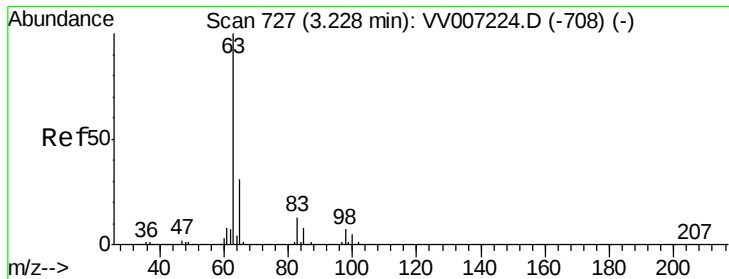
Tot Ion:	73	Resp:	201615
Ion	Ratio	Lower	Upper
73	100		
43	16.9	13.8	20.6
57	21.7	16.9	25.3



#18
trans-1,2-Dichloroethene
Concen: 5.098 ug/L
RT: 2.79 min Scan# 591
Delta R.T. 0.00 min
Lab File: VV007230.D
Acq: 28 Aug 2018 16:33

Tgt Ion:	96	Resp:	87645
Ion	Ratio	Lower	Upper
96	100		
61	129.8	92.7	172.1
98	62.5	43.2	80.2

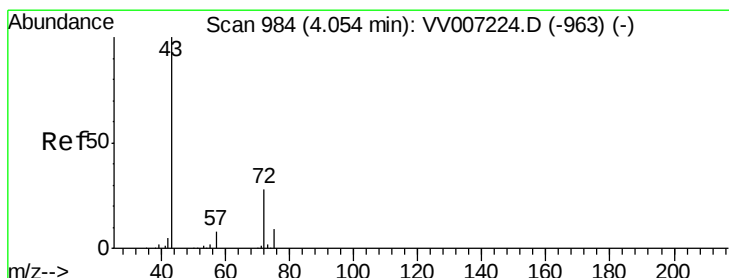
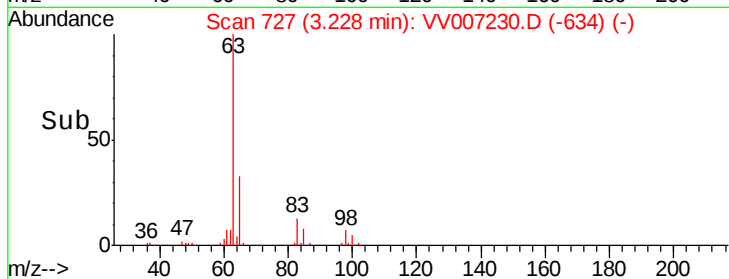
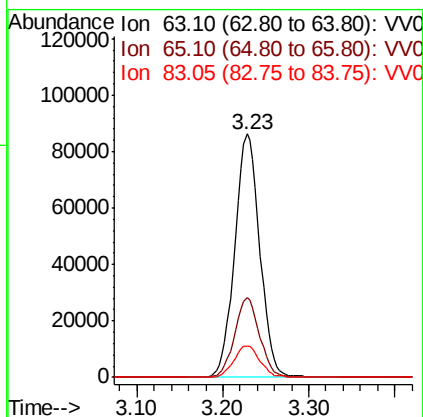
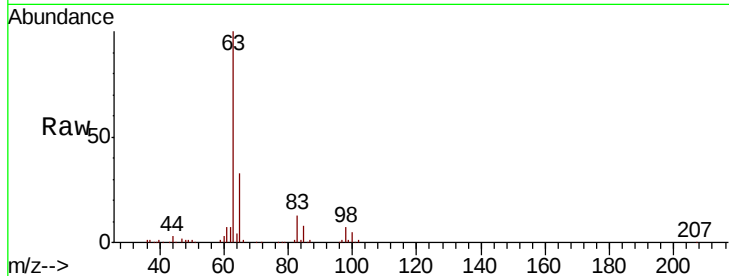




#19
 1,1-Dichloroethane
 Concen: 4.965 ug/L
 RT: 3.23 min Scan# 727
 Delta R.T. 0.00 min
 Lab File: VV007230.D
 Acq: 28 Aug 2018 16:33

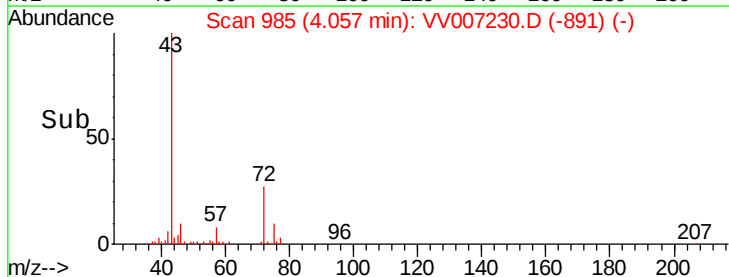
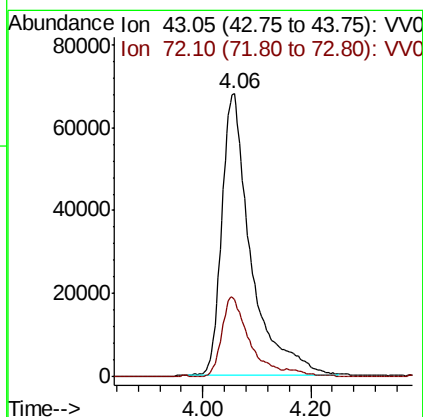
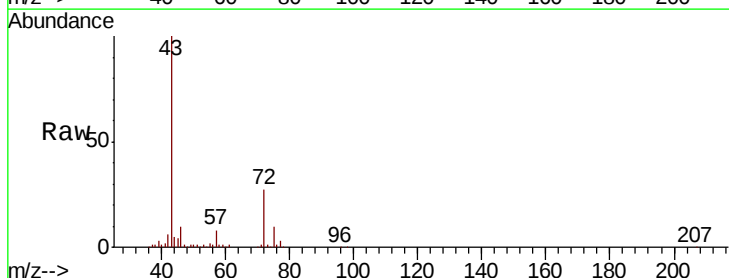
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

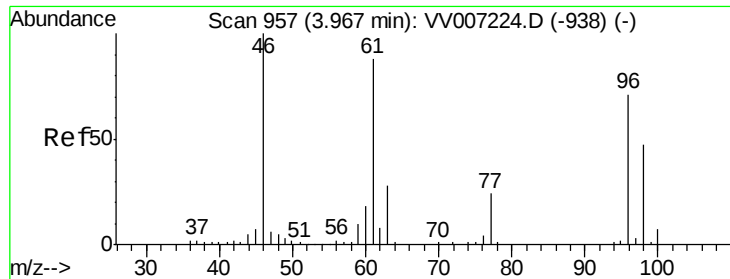
Tot Ion: 63 Resp: 173732
 Ion Ratio Lower Upper
 63 100
 65 32.6 21.8 40.4
 83 13.0 9.4 17.4



#21
 2-Butanone
 Concen: 53.449 ug/L
 RT: 4.06 min Scan# 985
 Delta R.T. 0.00 min
 Lab File: VV007230.D
 Acq: 28 Aug 2018 16:33

Tgt Ion: 43 Resp: 251903
 Ion Ratio Lower Upper
 43 100
 72 26.6 12.4 37.0



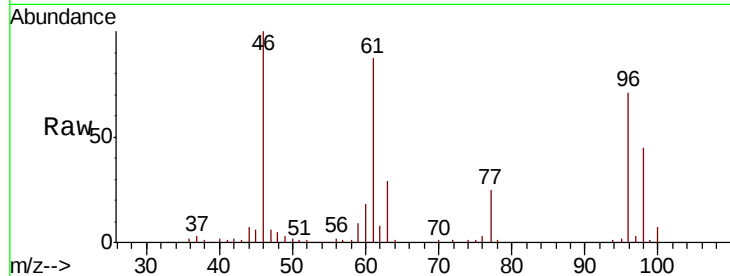


#22

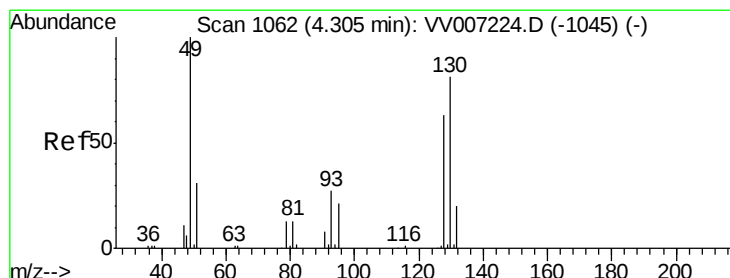
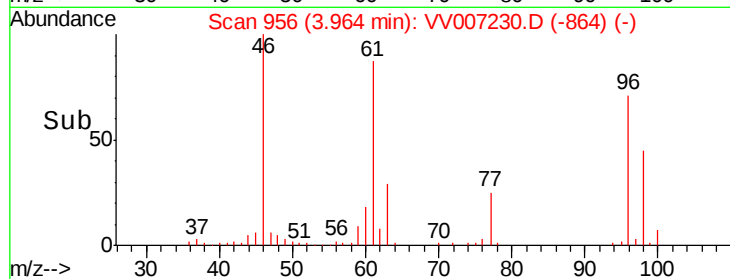
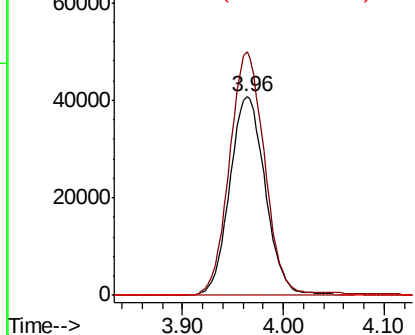
cis-1,2-Dichloroethene
 Concen: 5.052 ug/L
 RT: 3.96 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: VV007230.D
 Acq: 28 Aug 2018 16:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

Tot Ion: 96 Resp: 99682
 Ion Ratio Lower Upper
 96 100
 61 122.8 87.1 161.7
 68 0.0 0.0 0.0



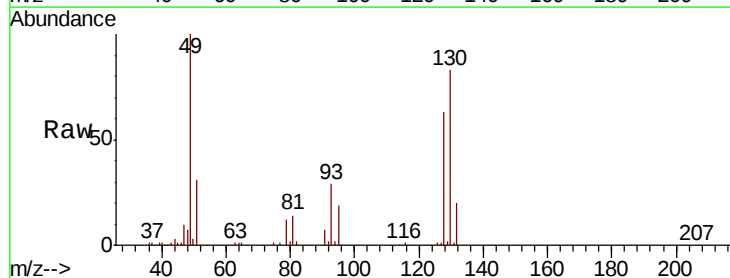
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



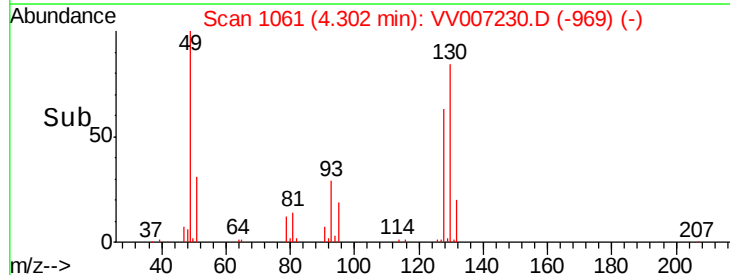
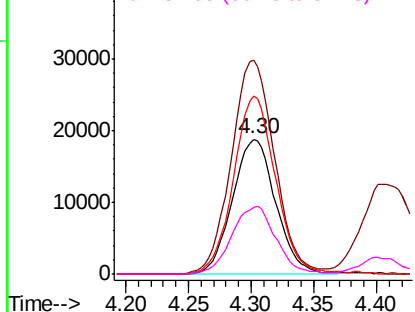
#23

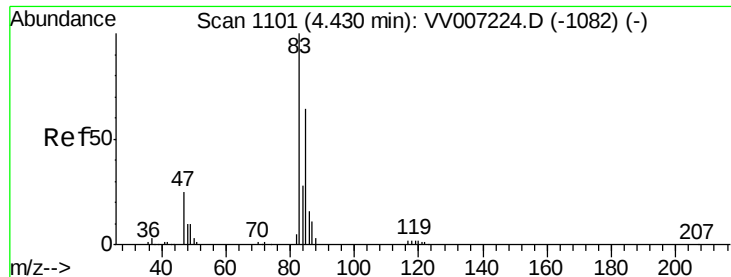
Bromochloromethane
 Concen: 5.040 ug/L
 RT: 4.30 min Scan# 1061
 Delta R.T. -0.00 min
 Lab File: VV007230.D
 Acq: 28 Aug 2018 16:33

Tgt Ion: 128 Resp: 45043
 Ion Ratio Lower Upper
 128 100
 49 158.7 111.1 206.3
 130 132.2 90.0 167.2
 51 49.6 39.6 59.4



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

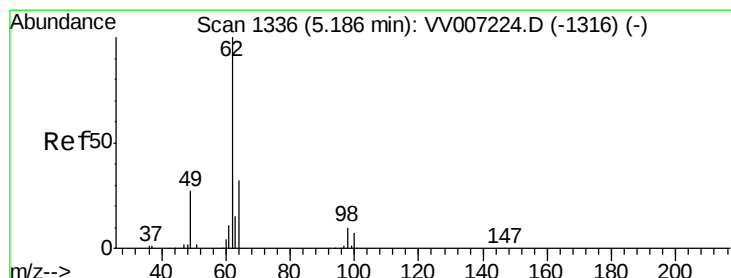
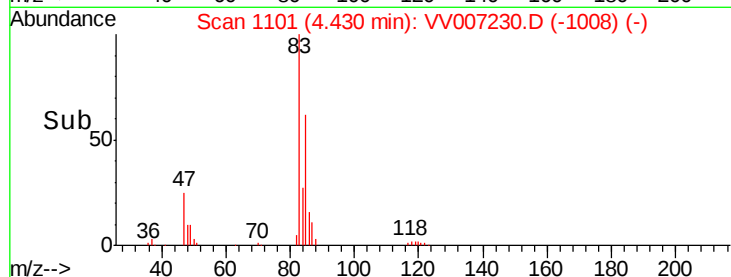
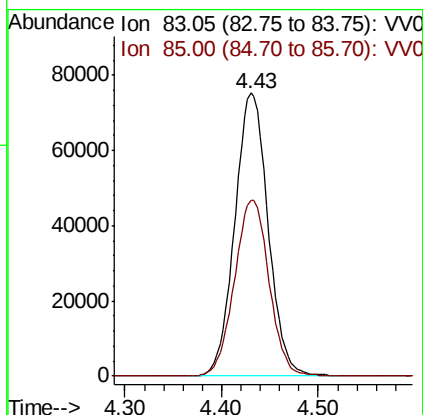
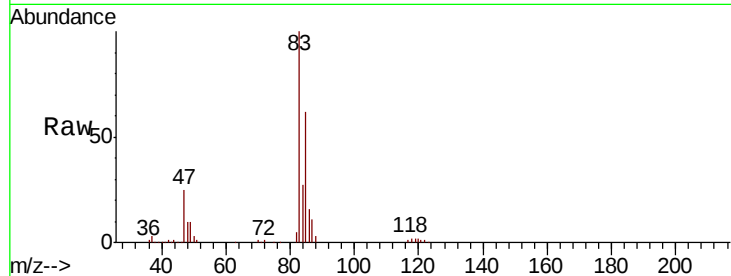




#25
Chloroform
Concen: 5.138 ug/L
RT: 4.43 min Scan# 1101
Delta R.T. 0.00 min
Lab File: VV007230.D
Acq: 28 Aug 2018 16:33

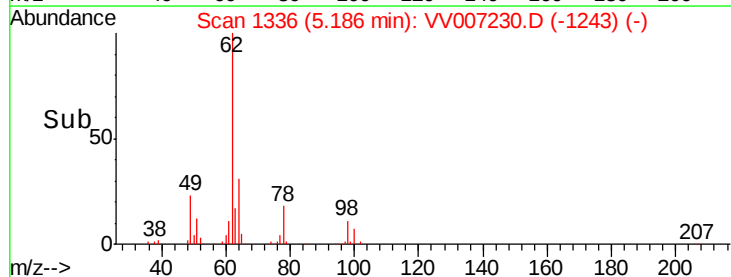
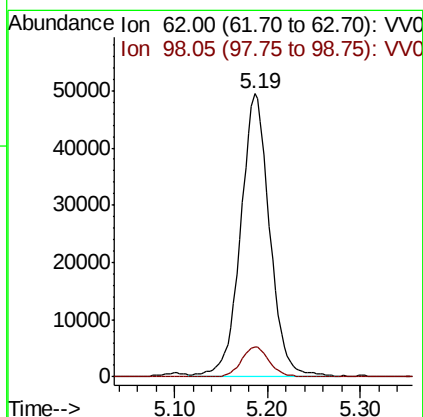
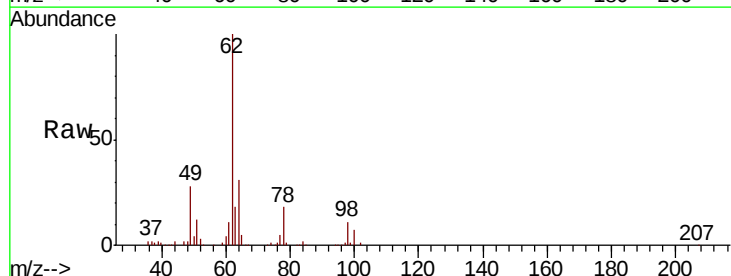
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

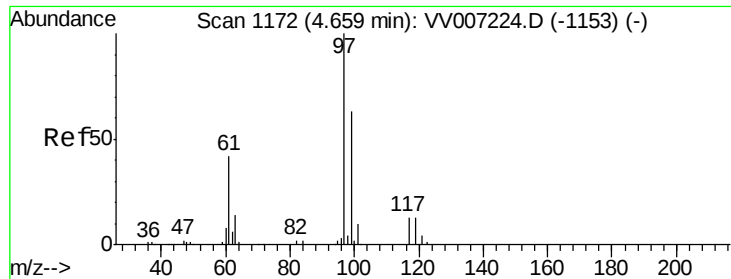
Tot Ion: 83 Resp: 180036
Ion Ratio Lower Upper
83 100
85 61.9 45.0 83.6



#27
1,2-Dichloroethane
Concen: 5.168 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VV007230.D
Acq: 28 Aug 2018 16:33

Tgt Ion: 62 Resp: 106475
Ion Ratio Lower Upper
62 100
98 10.6 8.1 12.1

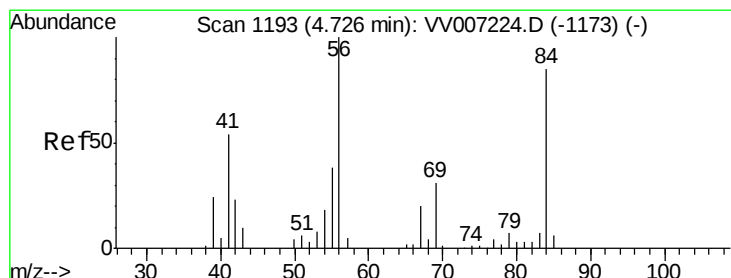
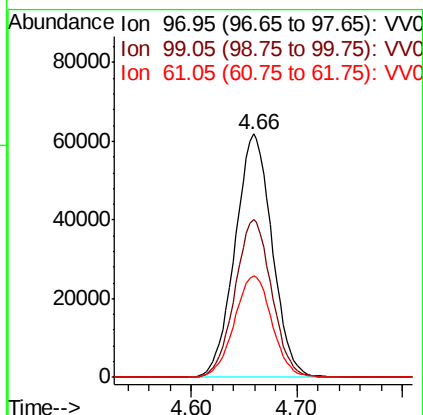
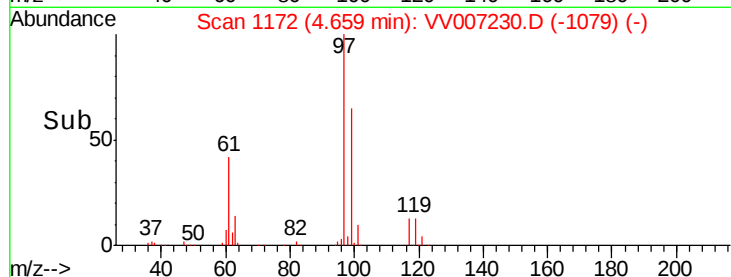
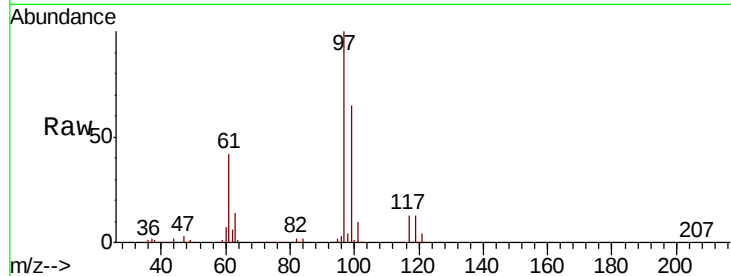




#29
 1,1,1-Trichloroethane
 Concen: 5.192 ug/L
 RT: 4.66 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VV007230.D
 Acq: 28 Aug 2018 16:33

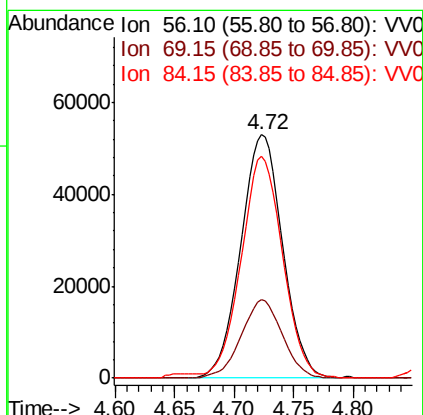
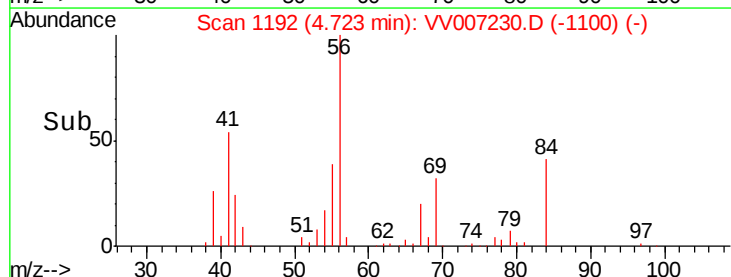
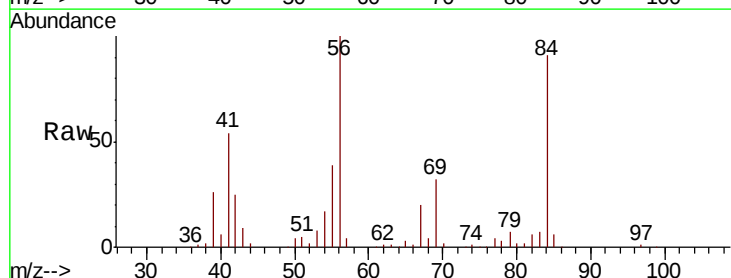
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

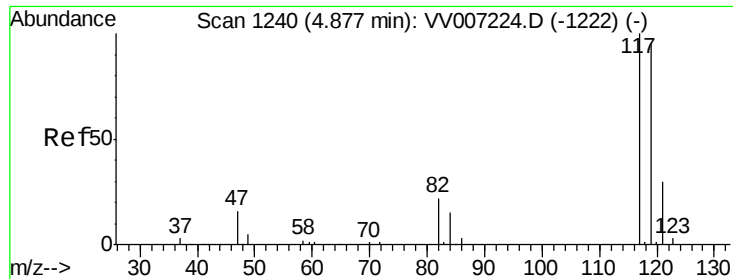
Tot Ion: 97 Resp: 151164
 Ion Ratio Lower Upper
 97 100
 99 64.1 50.8 76.2
 61 42.4 34.6 51.8



#30
 Cyclohexane
 Concen: 5.045 ug/L
 RT: 4.72 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: VV007230.D
 Acq: 28 Aug 2018 16:33

Tgt Ion: 56 Resp: 129244
 Ion Ratio Lower Upper
 56 100
 69 31.5 24.8 37.2
 84 90.5 72.9 109.3





#31

Carbon tetrachloride

Concen: 5.189 ug/L

RT: 4.87 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VV007230.D

Acq: 28 Aug 2018 16:33

Instrument :

MSVOA_V

ClientSampleId :

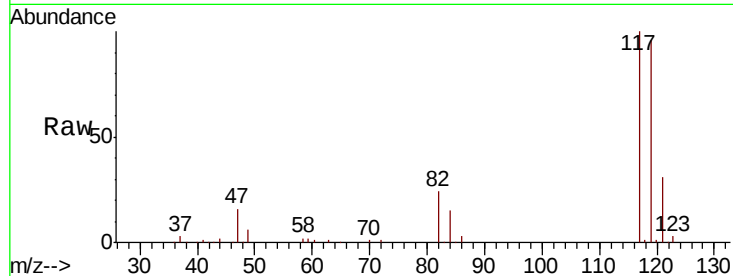
VSTD00563

Tot Ion:117 Resp: 127949

Ion Ratio Lower Upper

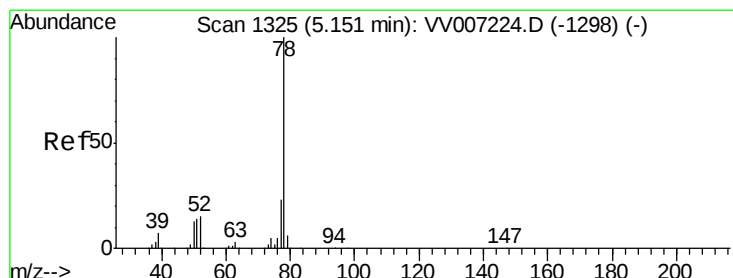
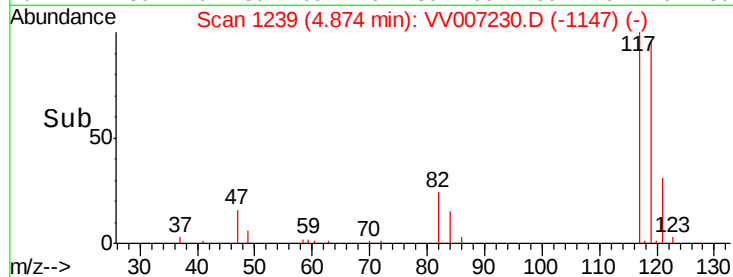
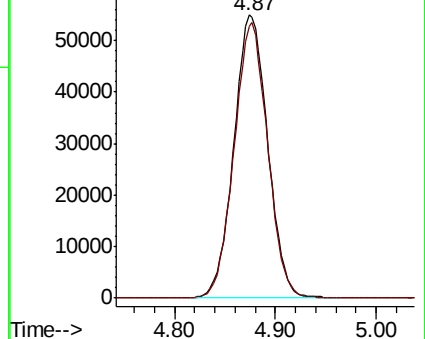
117 100

119 96.3 77.2 115.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.258 ug/L

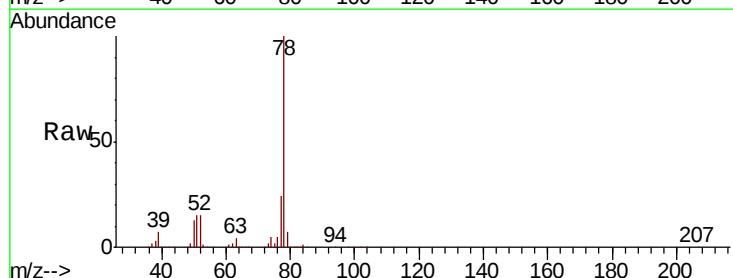
RT: 5.15 min Scan# 1325

Delta R.T. 0.00 min

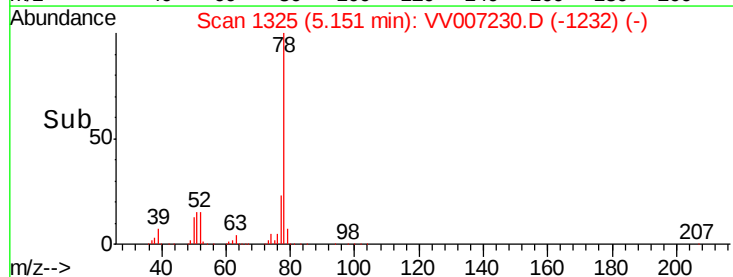
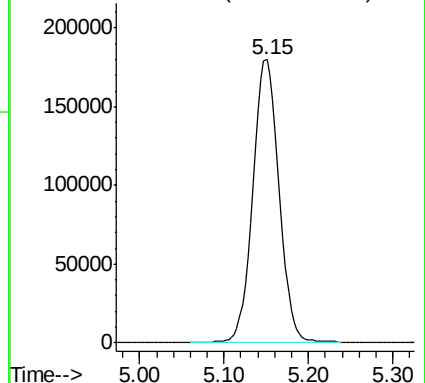
Lab File: VV007230.D

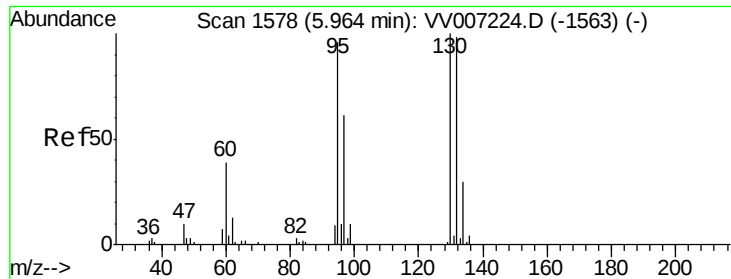
Acq: 28 Aug 2018 16:33

Tgt Ion: 78 Resp: 389172



Abundance Ion 78.10 (77.80 to 78.80): VV0

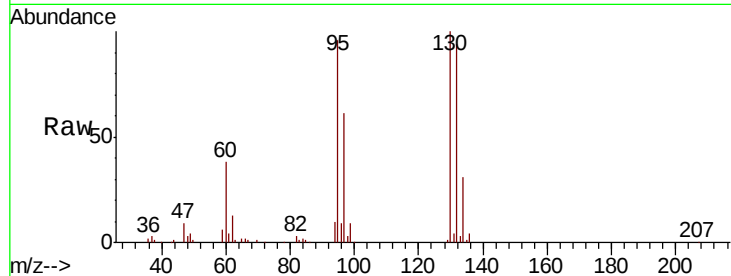




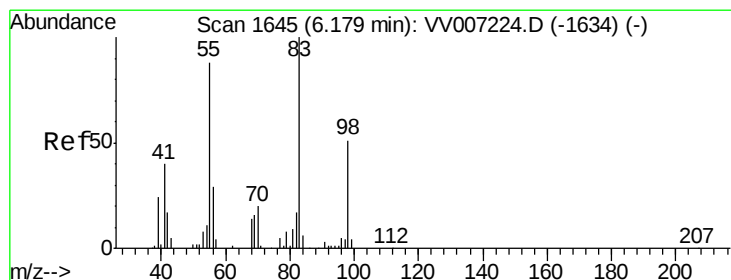
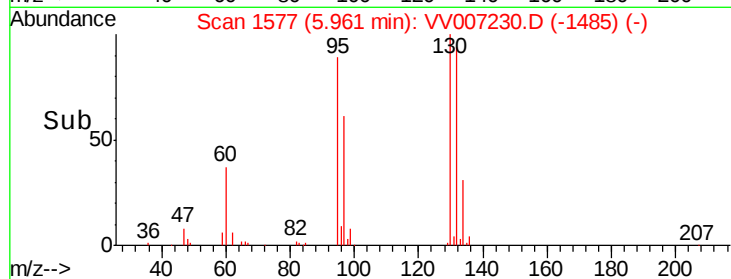
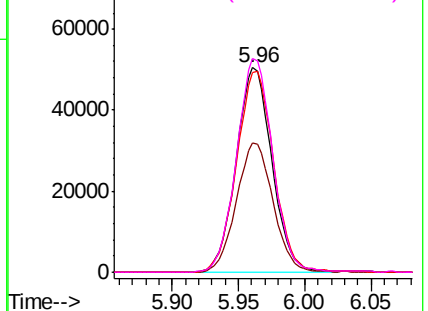
#34
 Trichloroethene
 Concen: 5.085 ug/L
 RT: 5.96 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: VV007230.D
 Acq: 28 Aug 2018 16:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

Tot Ion:	95	Resp:	94926
Ion	Ratio	Lower	Upper
95	100		
97	63.2	44.2	82.2
132	97.9	71.3	132.3
130	104.4	72.8	135.2

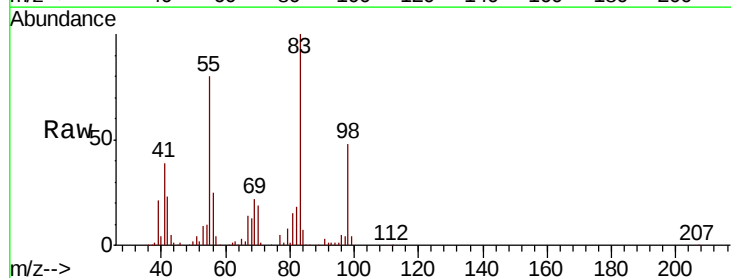


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

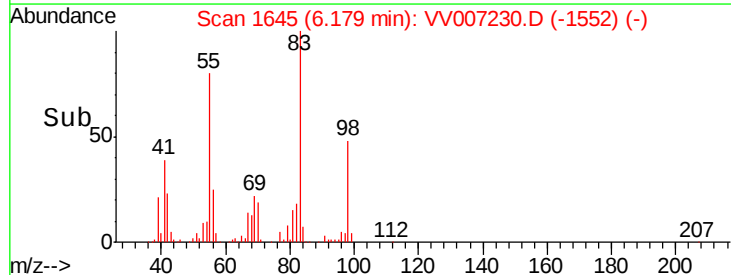
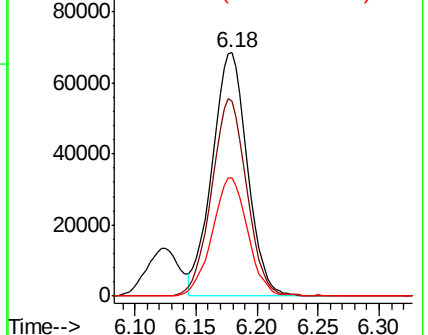


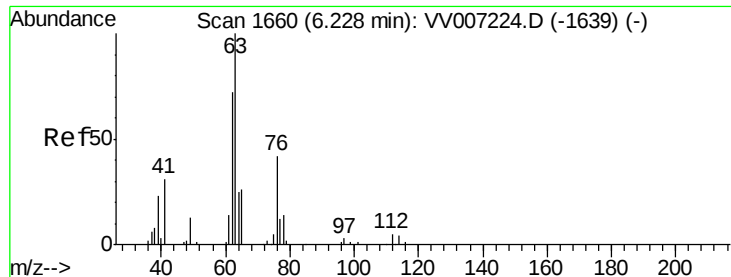
#35
 Methylcyclohexane
 Concen: 5.064 ug/L
 RT: 6.18 min Scan# 1645
 Delta R.T. 0.00 min
 Lab File: VV007230.D
 Acq: 28 Aug 2018 16:33

Tgt Ion:	83	Resp:	138248
Ion	Ratio	Lower	Upper
83	100		
55	80.3	64.0	96.0
98	48.9	38.8	58.2



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

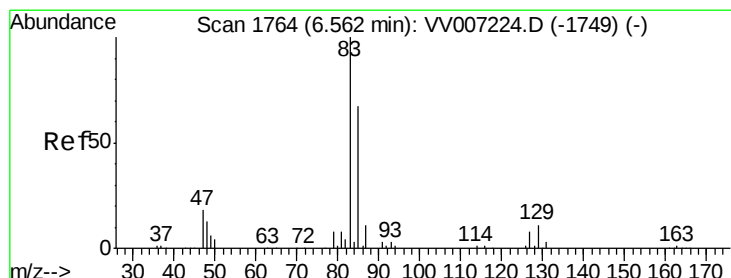
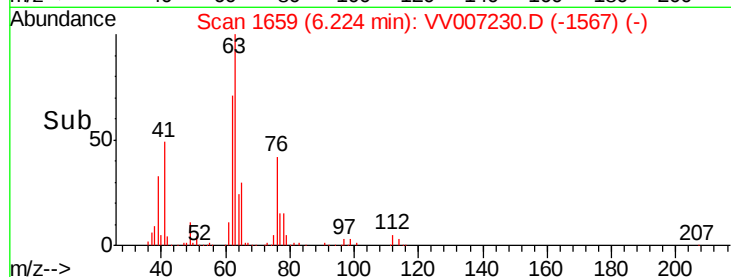
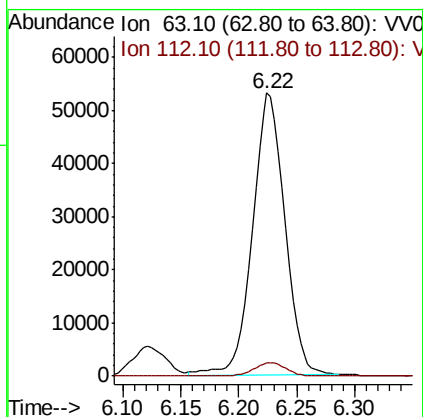
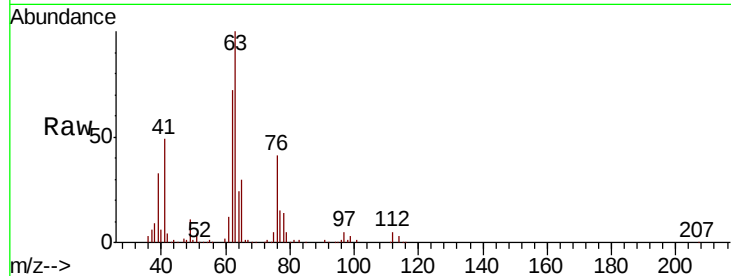




#37
 1,2-Dichloropropane
 Concen: 5.271 ug/L
 RT: 6.22 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VV007230.D
 Acq: 28 Aug 2018 16:33

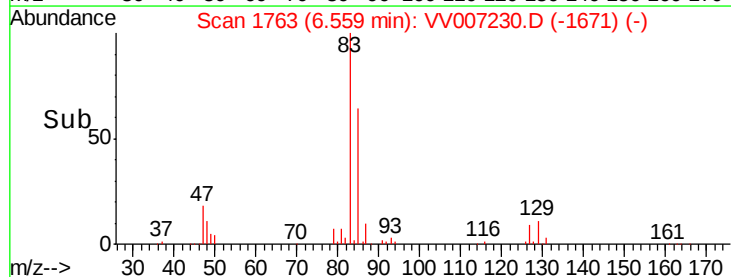
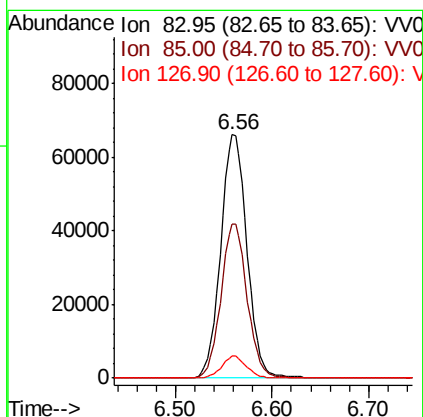
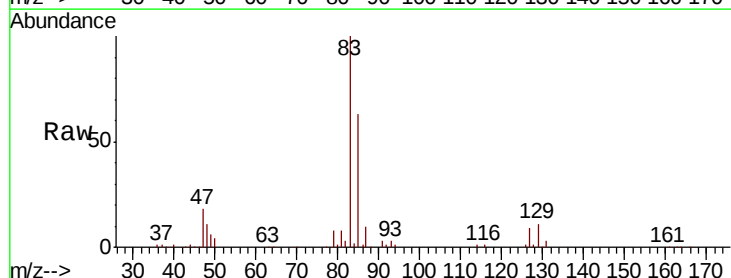
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

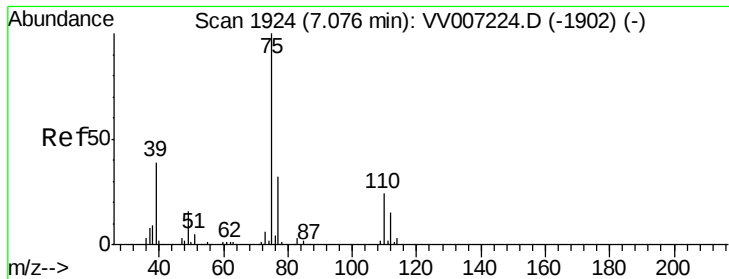
Tot Ion: 63 Resp: 103540
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.9 5.9



#38
 Bromodichloromethane
 Concen: 5.290 ug/L
 RT: 6.56 min Scan# 1763
 Delta R.T. -0.00 min
 Lab File: VV007230.D
 Acq: 28 Aug 2018 16:33

Tgt Ion: 83 Resp: 124606
 Ion Ratio Lower Upper
 83 100
 85 63.4 46.5 86.5
 127 9.0 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 5.261 ug/L

RT: 7.08 min Scan# 1924

Delta R.T. 0.00 min

Lab File: VV007230.D

Acq: 28 Aug 2018 16:33

Instrument :

MSVOA_V

ClientSampleId :

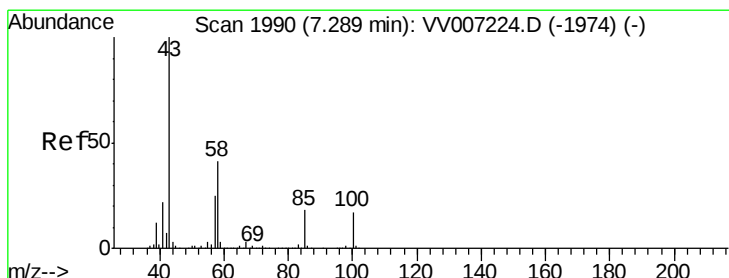
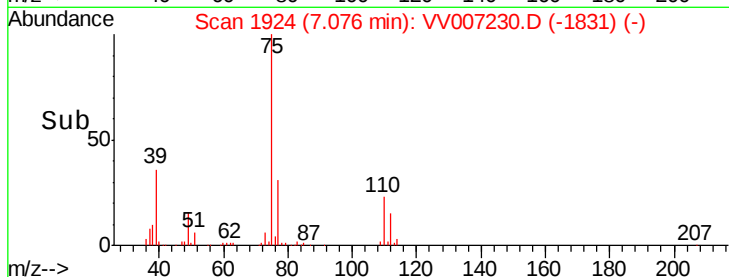
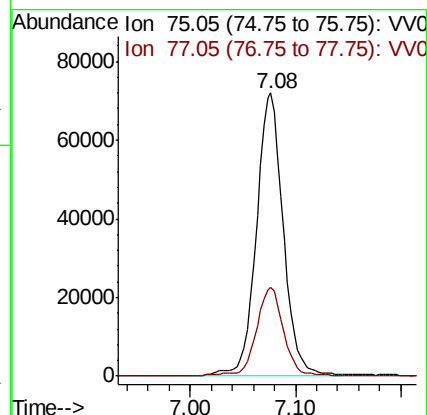
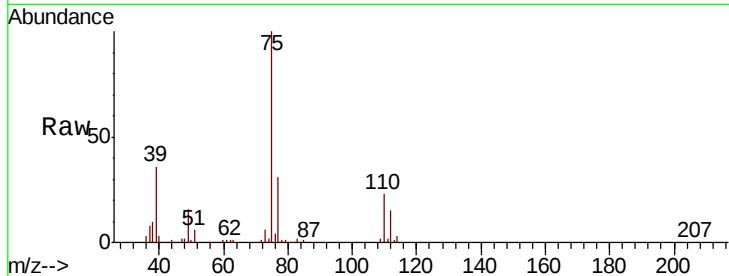
VSTD00563

Tot Ion: 75 Resp: 128194

Ion Ratio Lower Upper

75 100

77 31.5 22.2 41.2



#40

4-Methyl-2-pentanone

Concen: 54.439 ug/L

RT: 7.29 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VV007230.D

Acq: 28 Aug 2018 16:33

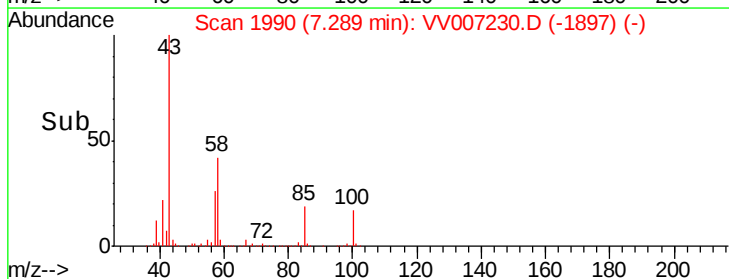
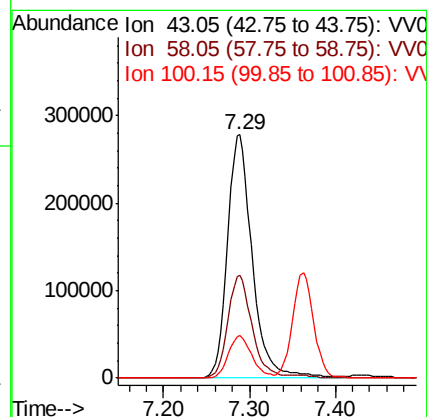
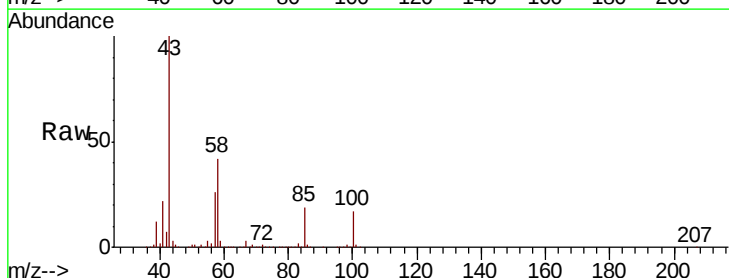
Tgt Ion: 43 Resp: 560063

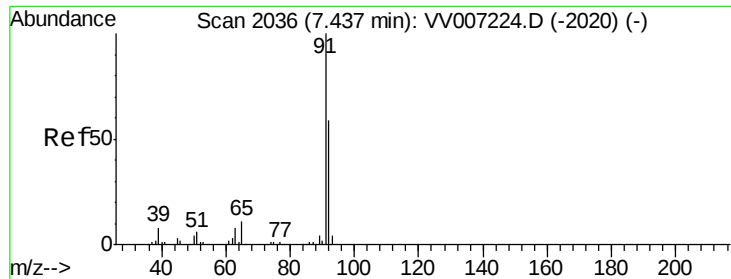
Ion Ratio Lower Upper

43 100

58 42.1 33.8 50.8

100 16.5 13.1 19.7





#42

Toluene

Concen: 5.528 ug/L

RT: 7.43 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VV007230.D

Acq: 28 Aug 2018 16:33

Instrument :

MSVOA_V

ClientSampled :

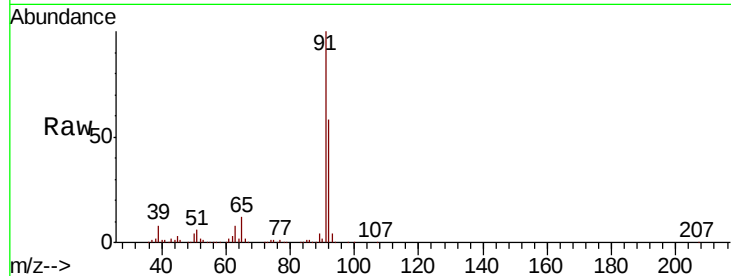
VSTD00563

Tot Ion: 91 Resp: 401712

Ion Ratio Lower Upper

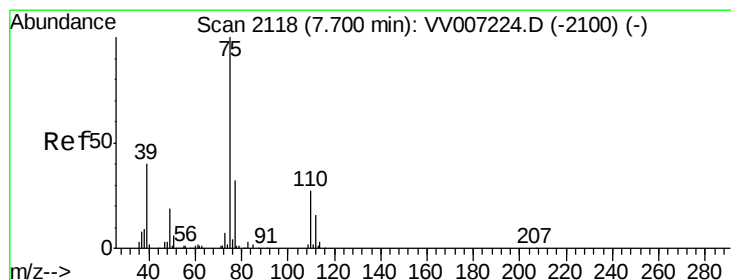
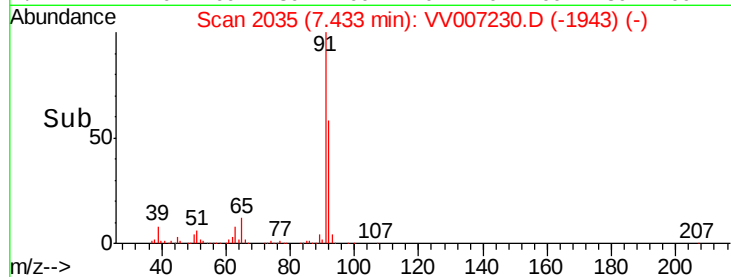
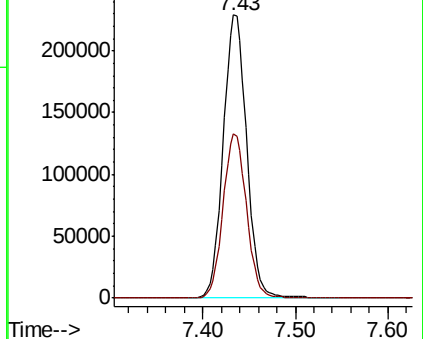
91 100

92 58.1 41.1 76.3



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: 5.287 ug/L

RT: 7.70 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VV007230.D

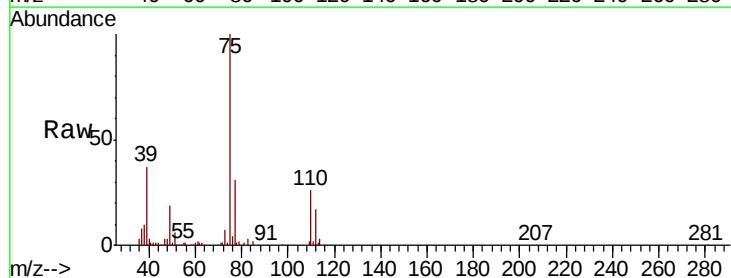
Acq: 28 Aug 2018 16:33

Tgt Ion: 75 Resp: 107460

Ion Ratio Lower Upper

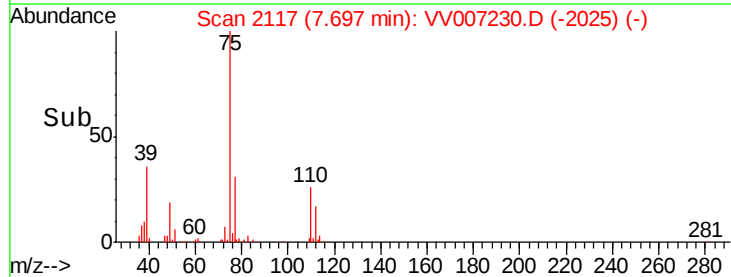
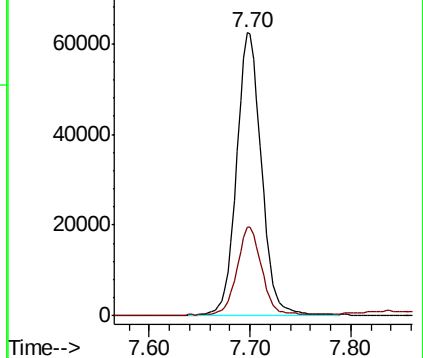
75 100

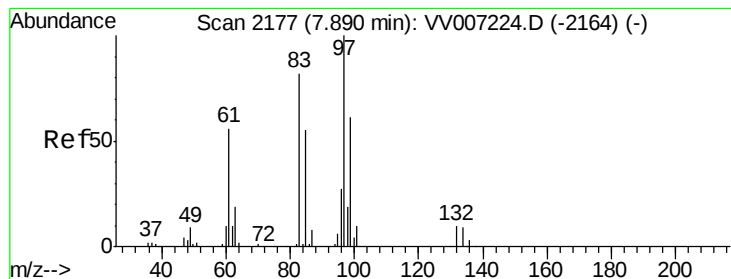
77 31.3 22.5 41.9



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: 5.038 ug/L

RT: 7.89 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VV007230.D

Acq: 28 Aug 2018 16:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

Tot Ion: 97 Resp: 71344

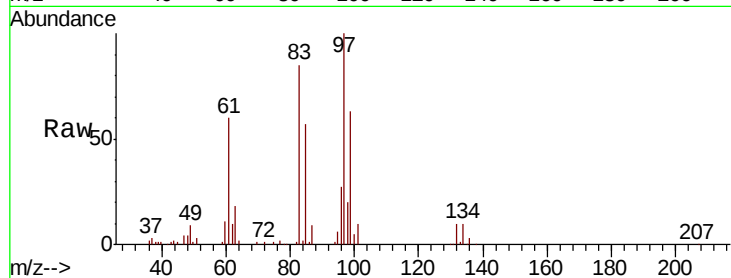
Ion Ratio Lower Upper

97 100

99 63.4 42.6 79.0

83 85.4 57.3 106.3

85 56.5 38.3 71.1



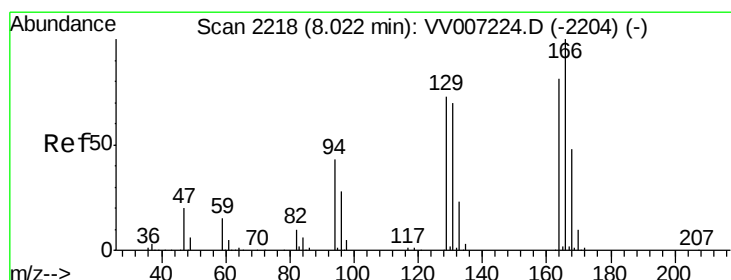
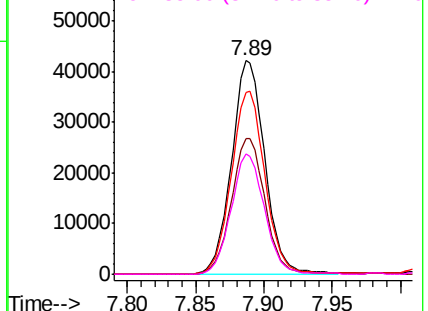
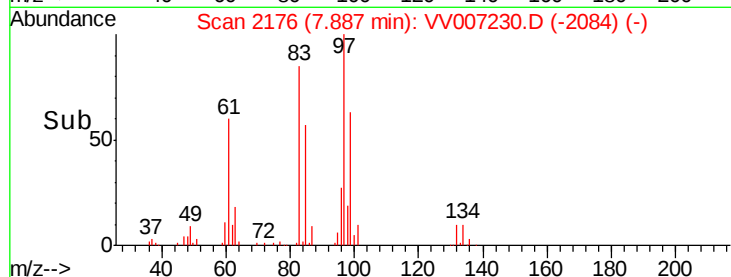
Abundance

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: 5.288 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VV007230.D

Acq: 28 Aug 2018 16:33

Tgt Ion: 164 Resp: 81581

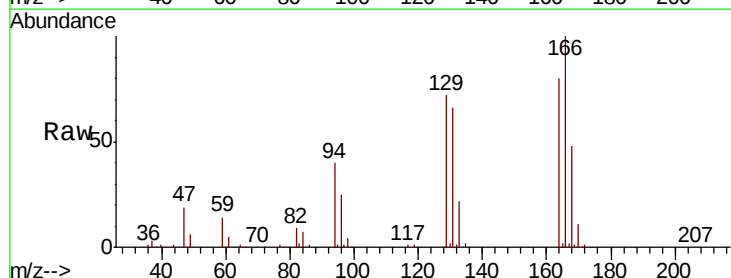
Ion Ratio Lower Upper

164 100

129 89.9 62.7 116.5

131 82.0 60.1 111.7

166 124.4 86.4 160.4



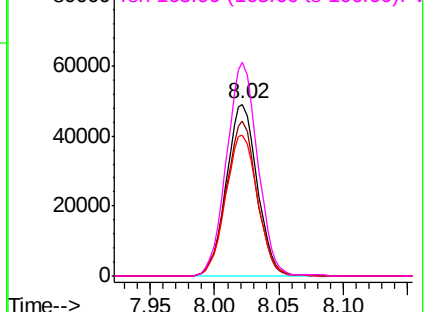
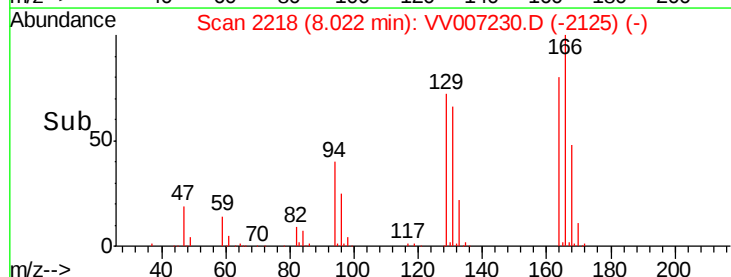
Abundance

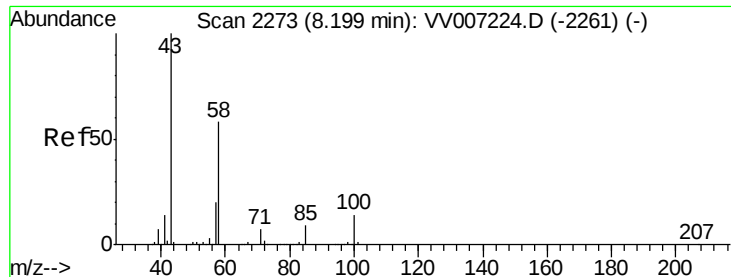
Ion 163.90 (163.60 to 164.60): V

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

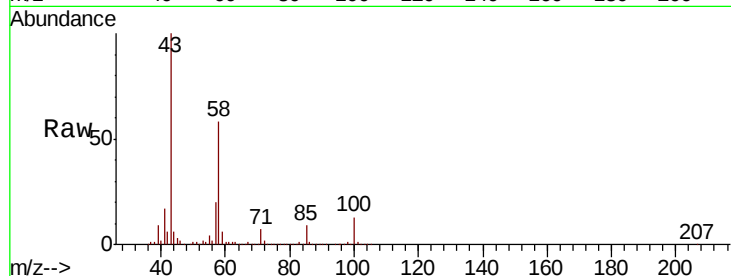




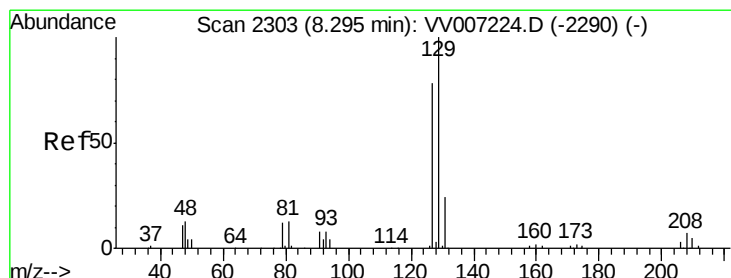
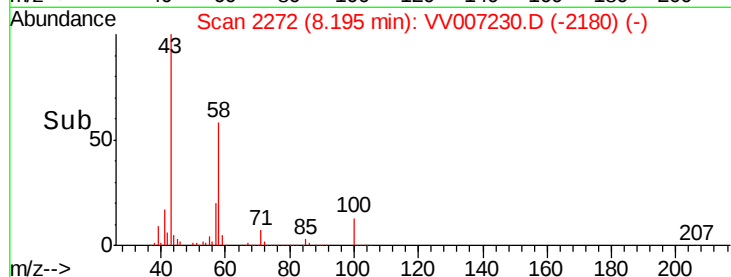
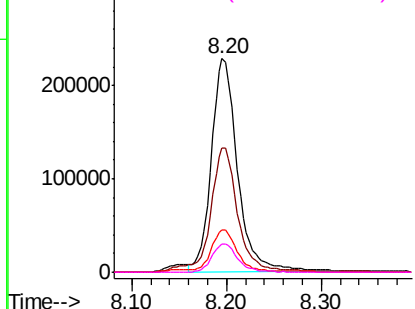
#48
2-Hexanone
Concen: 56.790 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV007230.D
Acq: 28 Aug 2018 16:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

Tot Ion: 43 Resp: 436018
Ion Ratio Lower Upper
43 100
58 62.5 50.0 75.0
57 20.0 16.6 25.0
100 13.3 10.2 15.4

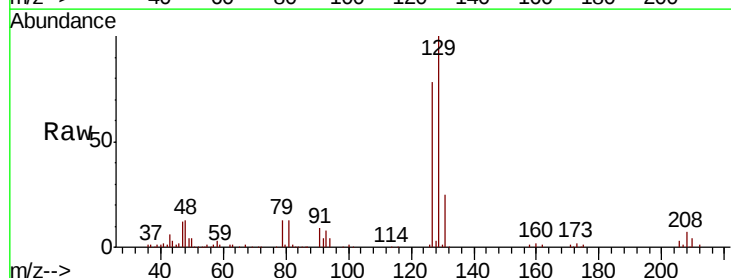


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

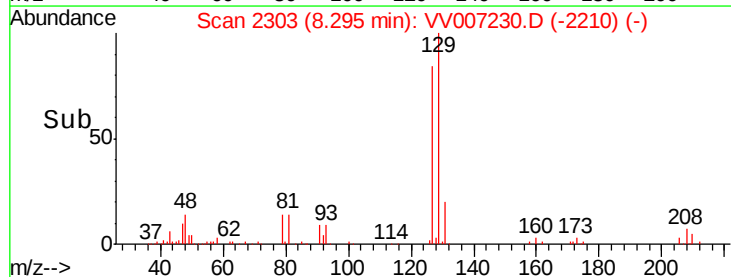
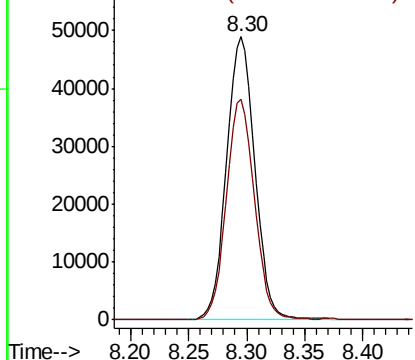


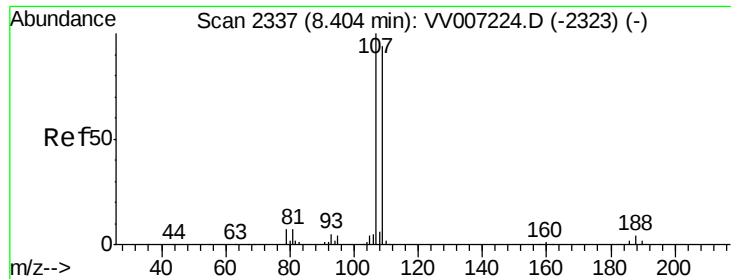
#49
Dibromochloromethane
Concen: 5.191 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV007230.D
Acq: 28 Aug 2018 16:33

Tgt Ion: 129 Resp: 82737
Ion Ratio Lower Upper
129 100
127 78.1 54.9 101.9



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

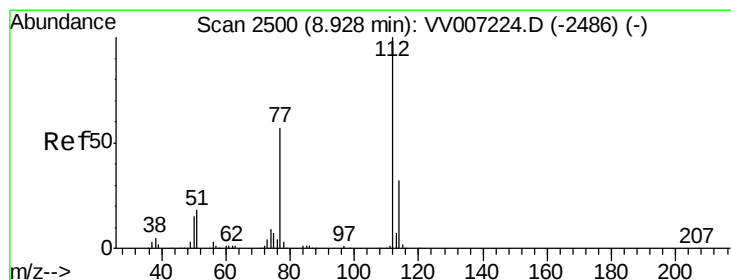
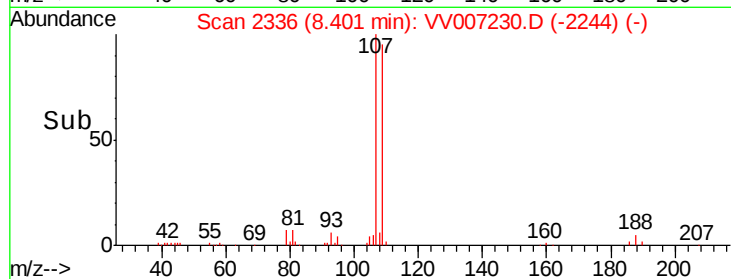
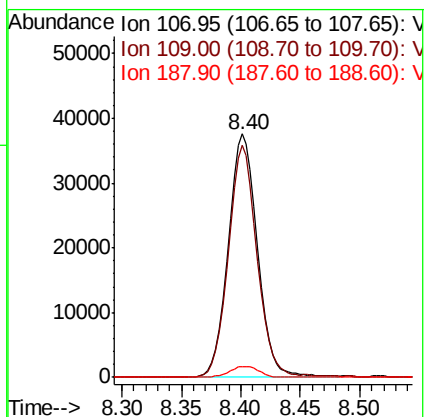
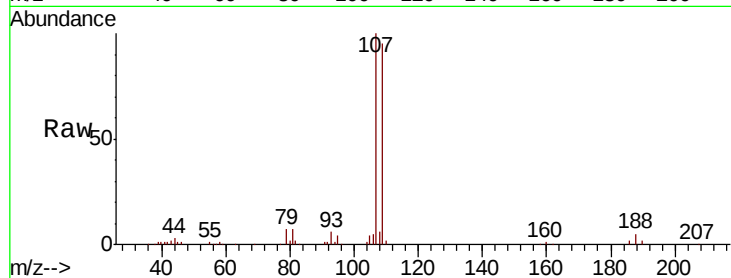




#50
1,2-Dibromoethane
Concen: 5.279 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. -0.00 min
Lab File: VV007230.D
Acq: 28 Aug 2018 16:33

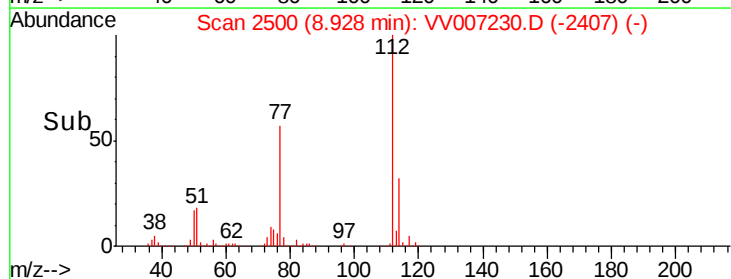
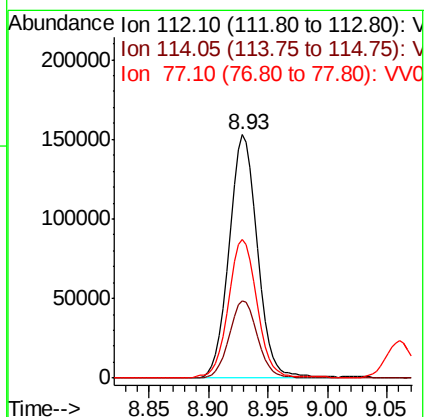
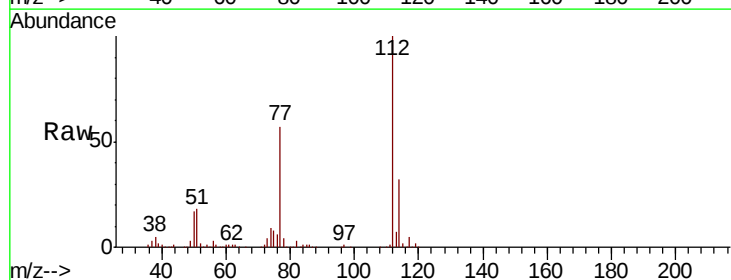
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

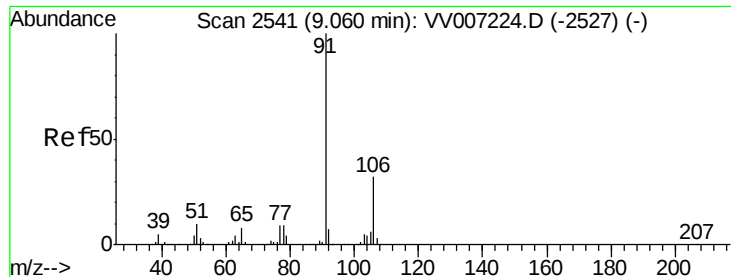
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	65.9	122.3
188	4.5	3.5	5.3



#51
Chlorobenzene
Concen: 5.132 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VV007230.D
Acq: 28 Aug 2018 16:33

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.0	41.0
77	57.0	45.9	68.9





#52

Ethylbenzene

Concen: 5.192 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV007230.D

Acq: 28 Aug 2018 16:33

Instrument :

MSVOA_V

ClientSampleId :

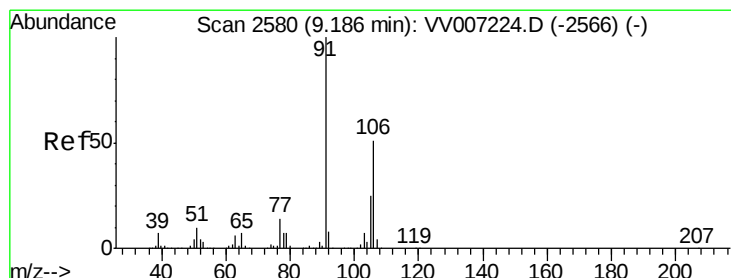
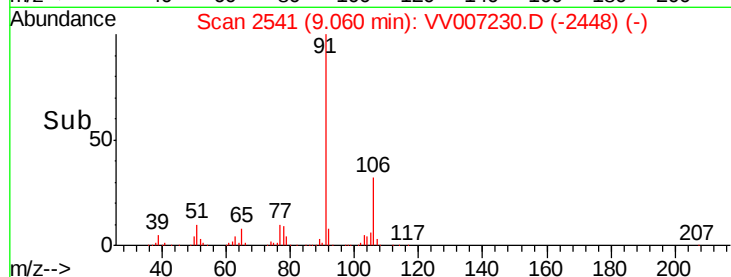
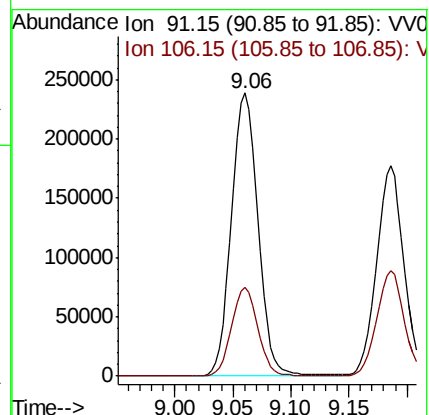
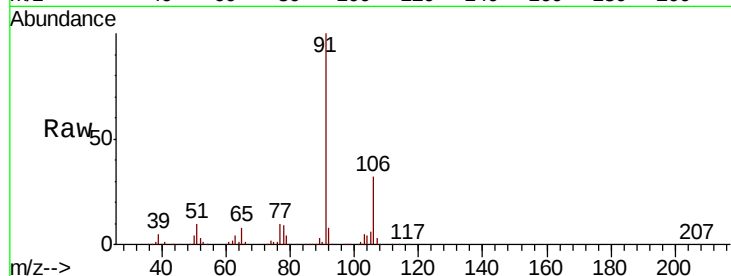
VSTD00563

Tot Ion: 91 Resp: 378969

Ion Ratio Lower Upper

91 100

106 31.6 22.3 41.3



#53

m,p-xylene

Concen: 5.321 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV007230.D

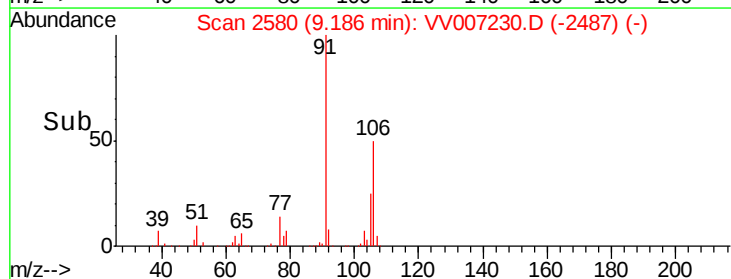
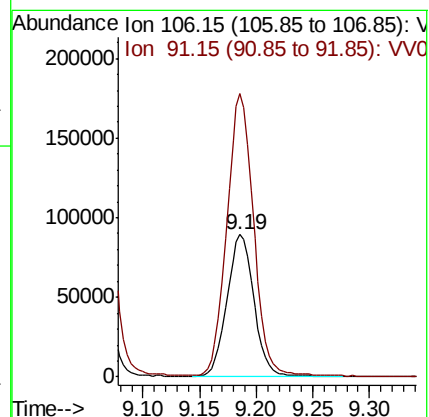
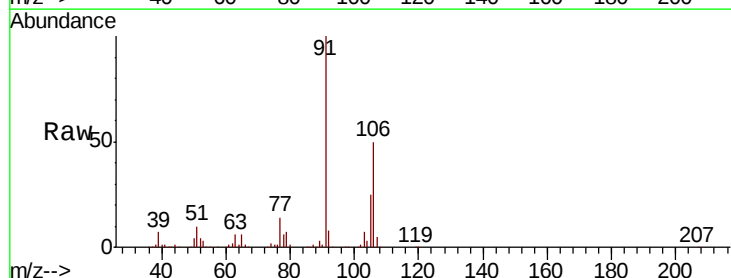
Acq: 28 Aug 2018 16:33

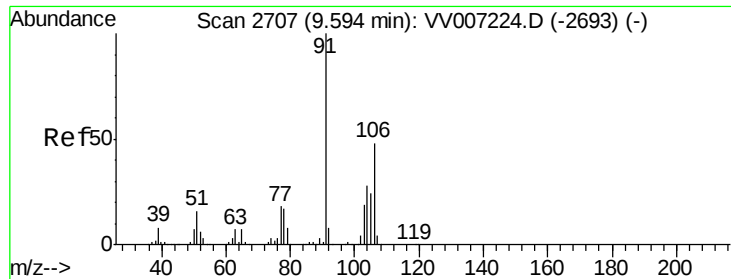
Tgt Ion: 106 Resp: 147907

Ion Ratio Lower Upper

106 100

91 199.1 138.4 257.0





#54

o-xylene

Concen: 5.395 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV007230.D

Acq: 28 Aug 2018 16:33

Instrument :

MSVOA_V

ClientSampleId :

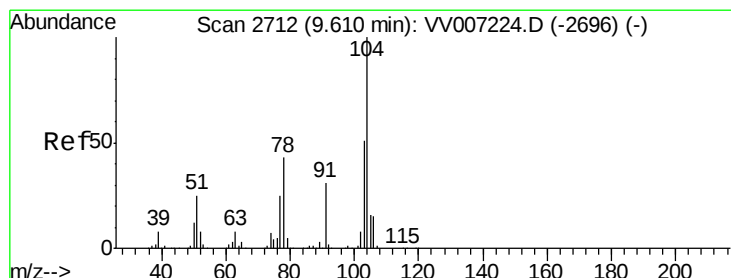
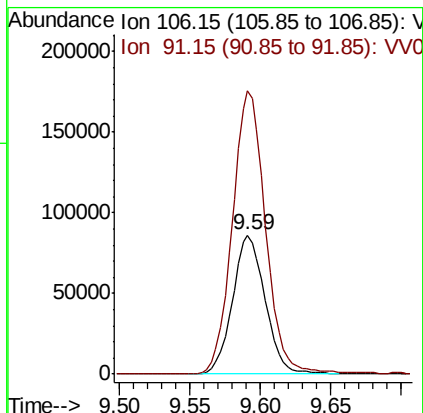
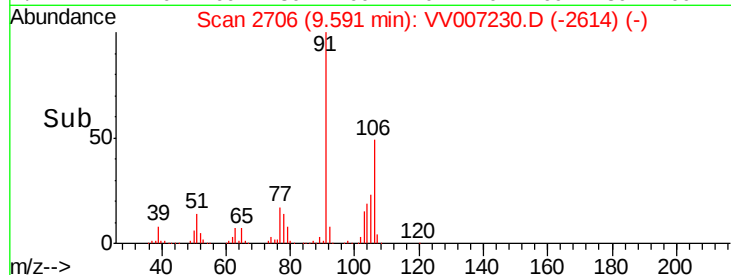
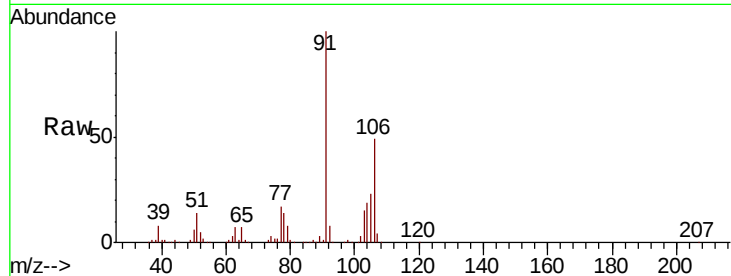
VSTD00563

Tot Ion:106 Resp: 139565

Ion Ratio Lower Upper

106 100

91 203.8 146.9 272.7



#55

Styrene

Concen: 5.425 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV007230.D

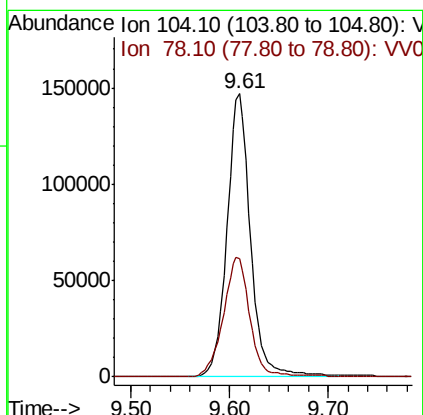
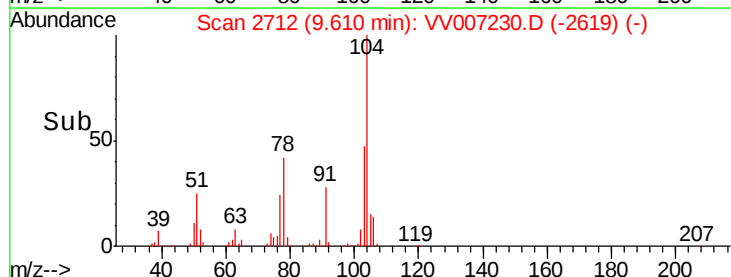
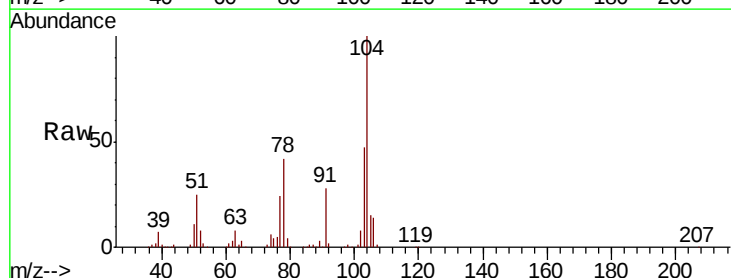
Acq: 28 Aug 2018 16:33

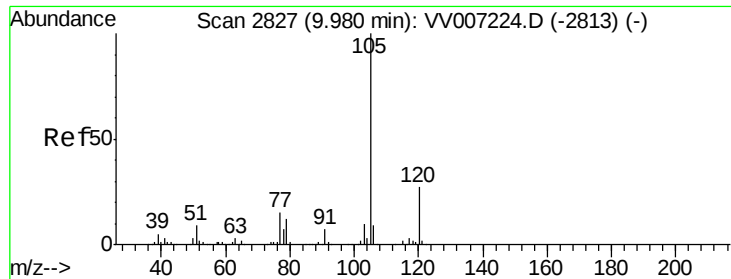
Tgt Ion:104 Resp: 246071

Ion Ratio Lower Upper

104 100

78 41.8 30.2 56.2





#56

Isopropylbenzene

Concen: 5.395 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV007230.D

Acq: 28 Aug 2018 16:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

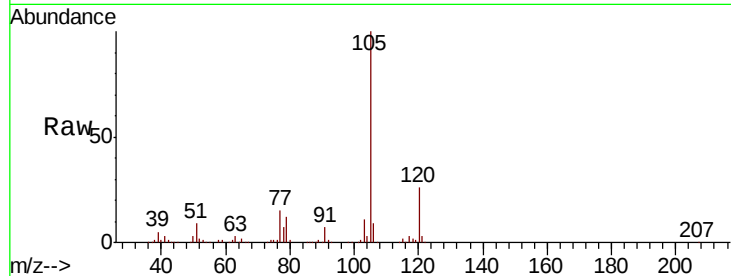
Tot Ion:105 Resp: 371198

Ion Ratio Lower Upper

105 100

120 26.5 21.0 31.4

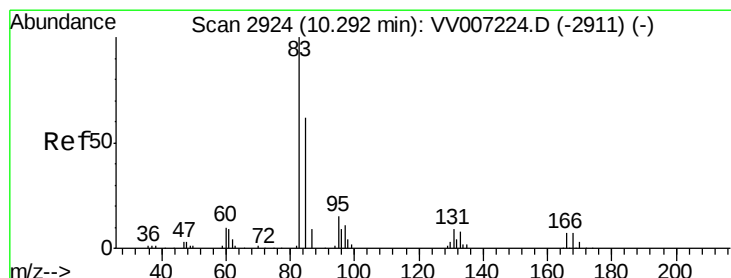
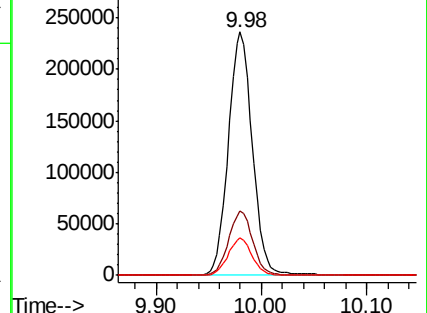
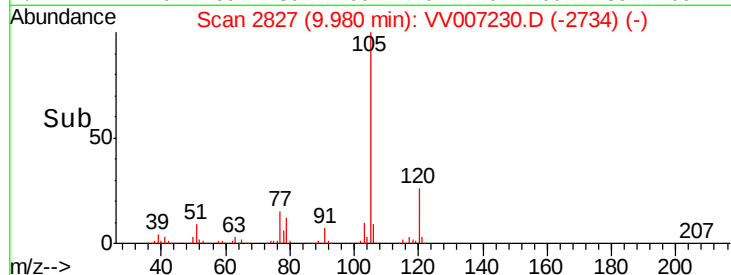
77 15.4 12.1 18.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.223 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV007230.D

Acq: 28 Aug 2018 16:33

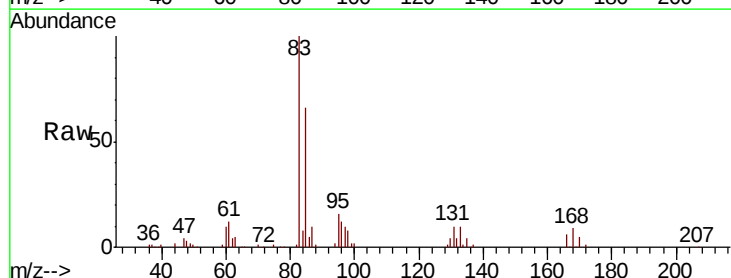
Tgt Ion: 83 Resp: 86510

Ion Ratio Lower Upper

83 100

85 65.6 43.7 81.1

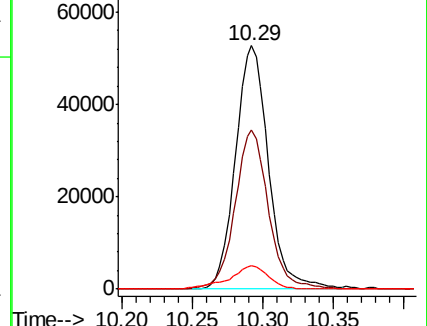
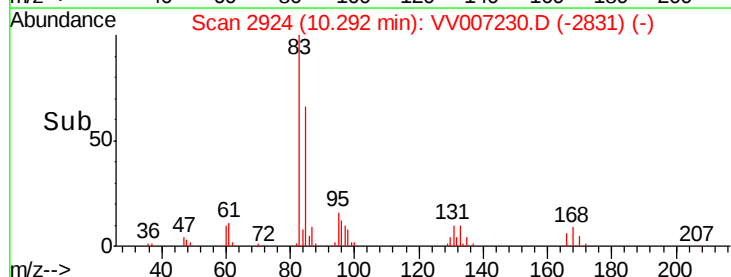
131 9.7 7.7 11.5

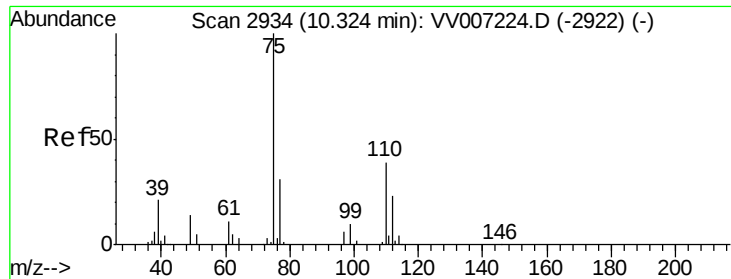


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

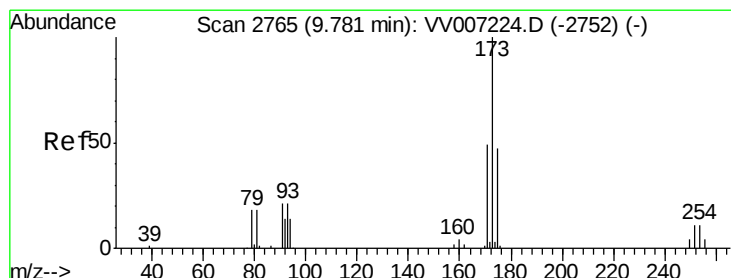
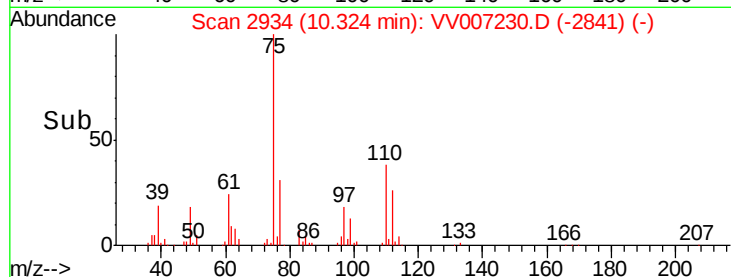
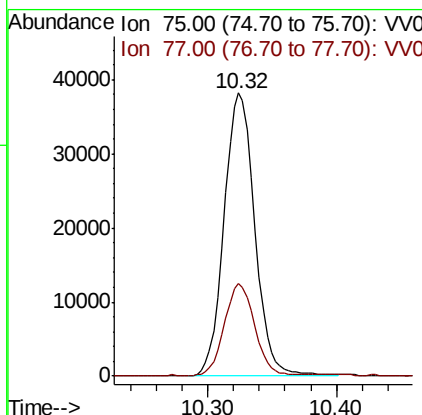
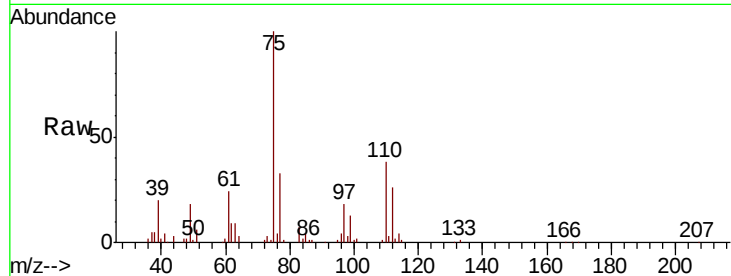




#59
 1,2,3-Trichloropropane
 Concen: 5.302 ug/L
 RT: 10.32 min Scan# 2934
 Delta R.T. 0.00 min
 Lab File: VV007230.D
 Acq: 28 Aug 2018 16:33

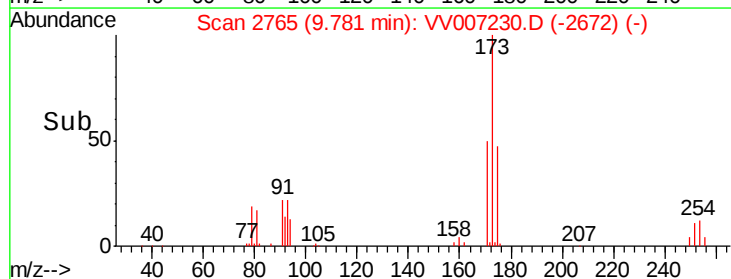
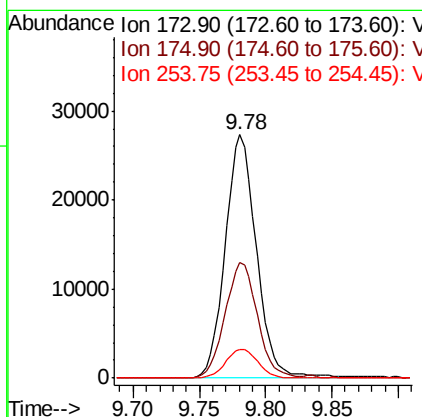
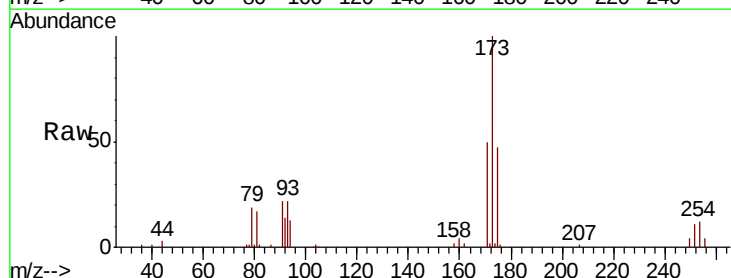
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

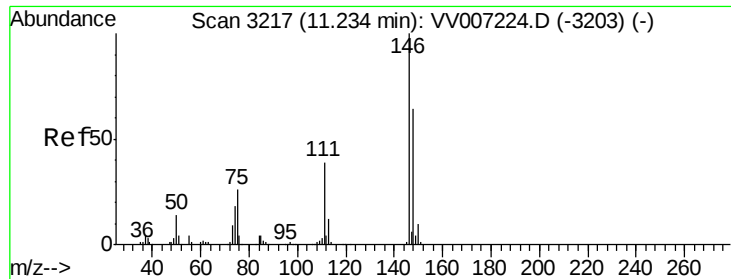
Tot Ion: 75 Resp: 63277
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.0 39.0



#61
 Bromoform
 Concen: 4.896 ug/L
 RT: 9.78 min Scan# 2765
 Delta R.T. 0.00 min
 Lab File: VV007230.D
 Acq: 28 Aug 2018 16:33

Tgt Ion: 173 Resp: 44652
 Ion Ratio Lower Upper
 173 100
 175 49.3 39.3 58.9
 254 12.1 8.7 13.1





#62

1,3-Dichlorobenzene

Concen: 5.053 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. -0.00 min

Lab File: VV007230.D

Acq: 28 Aug 2018 16:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

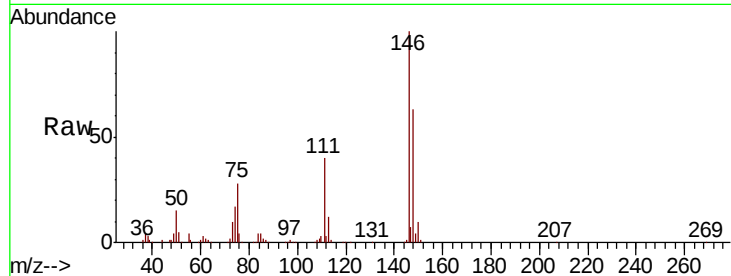
Tot Ion:146 Resp: 184166

Ion Ratio Lower Upper

146 100

111 39.6 27.2 50.4

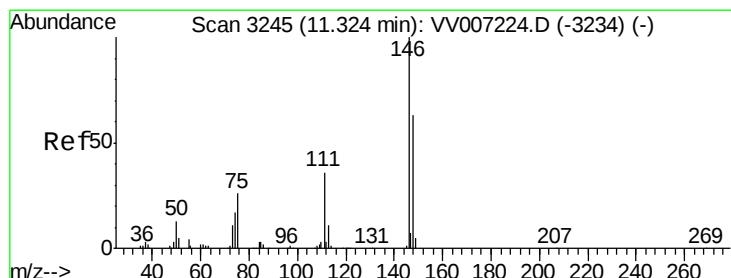
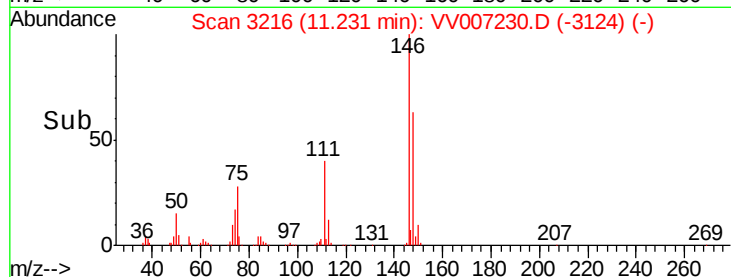
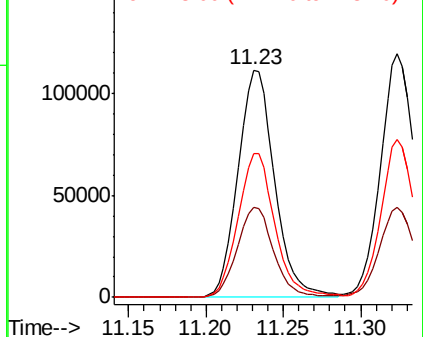
148 63.1 45.0 83.6



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



#63

1,4-Dichlorobenzene

Concen: 5.055 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV007230.D

Acq: 28 Aug 2018 16:33

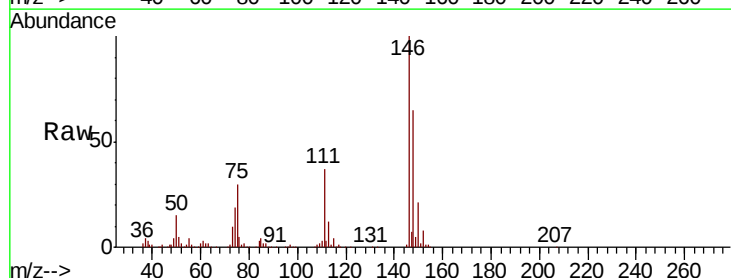
Tgt Ion:146 Resp: 194739

Ion Ratio Lower Upper

146 100

111 36.7 25.4 47.2

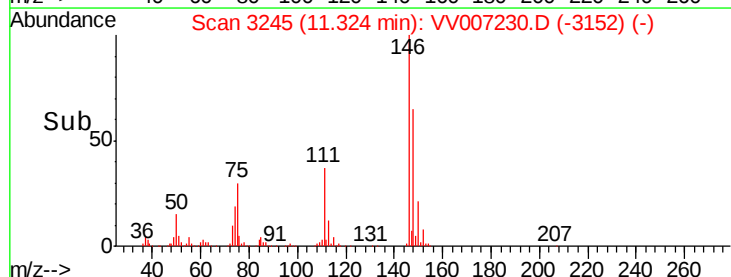
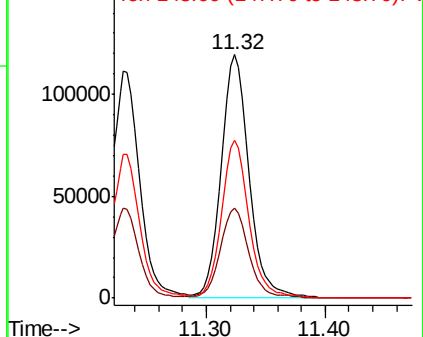
148 65.0 44.3 82.3

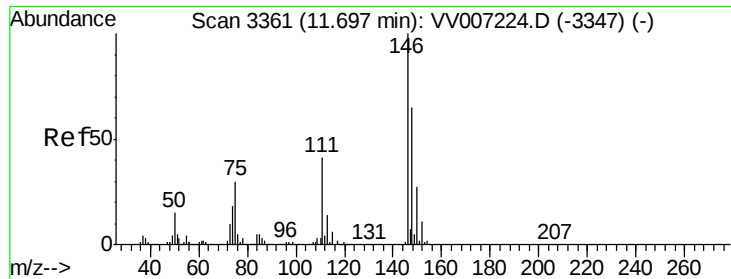


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

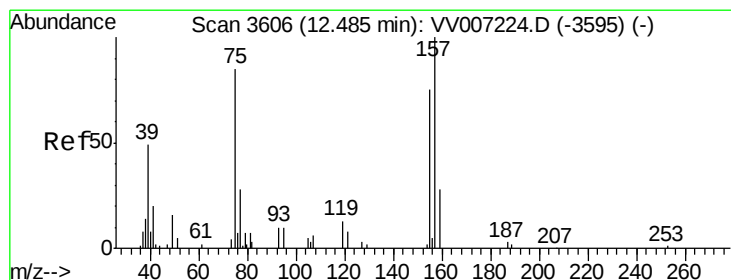
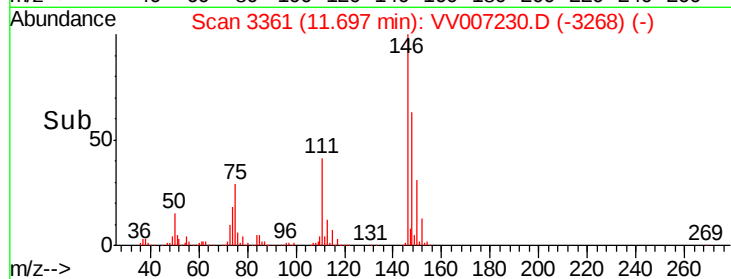
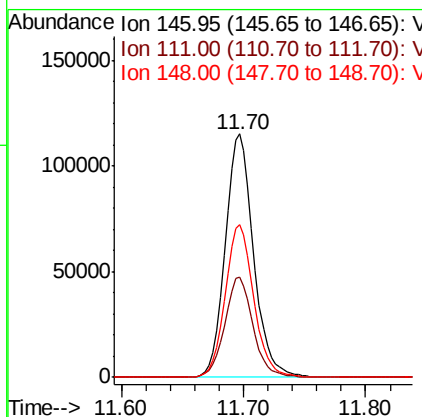
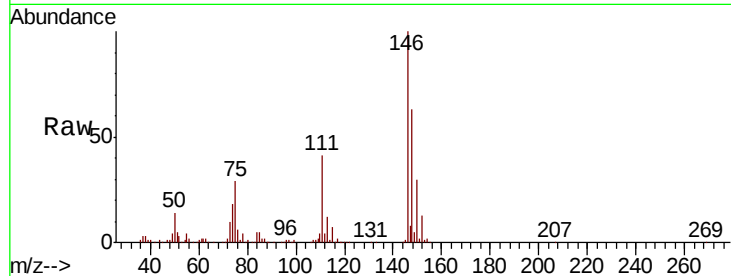




#65
 1,2-Dichlorobenzene
 Concen: 5.140 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. 0.00 min
 Lab File: VV007230.D
 Acq: 28 Aug 2018 16:33

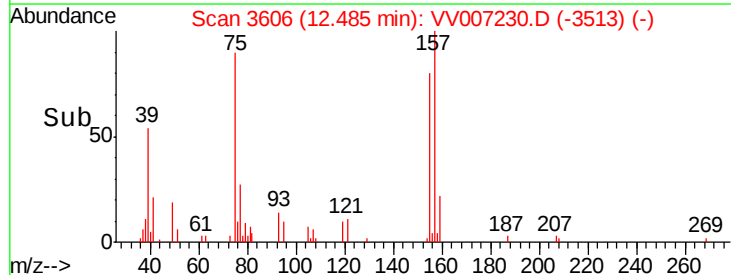
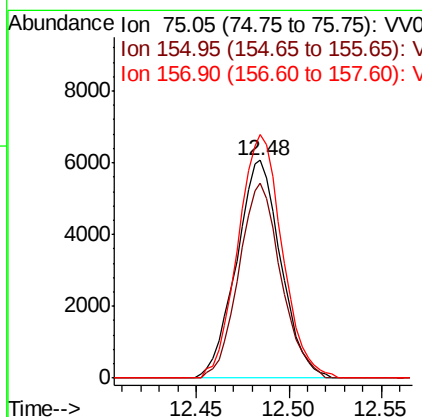
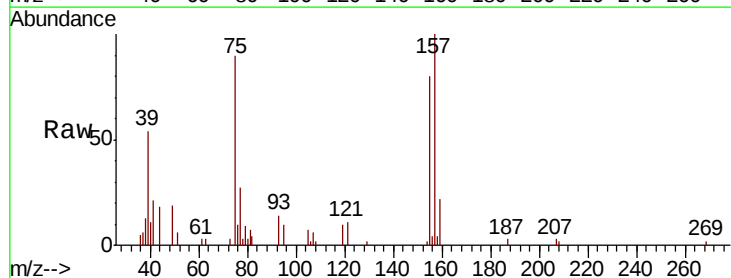
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

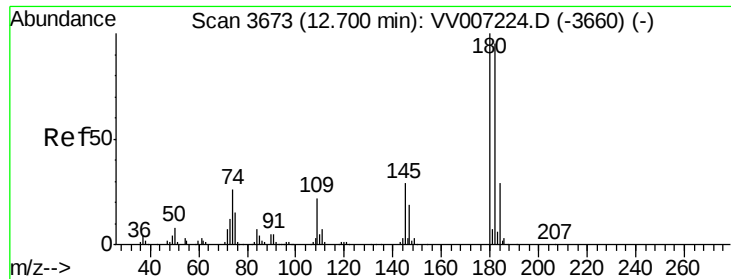
Tot Ion:146 Resp: 187226
 Ion Ratio Lower Upper
 146 100
 111 41.0 33.0 49.6
 148 62.5 51.6 77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.723 ug/L
 RT: 12.48 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VV007230.D
 Acq: 28 Aug 2018 16:33

Tgt Ion: 75 Resp: 10078
 Ion Ratio Lower Upper
 75 100
 155 89.4 70.4 105.6
 157 111.7 94.2 141.2

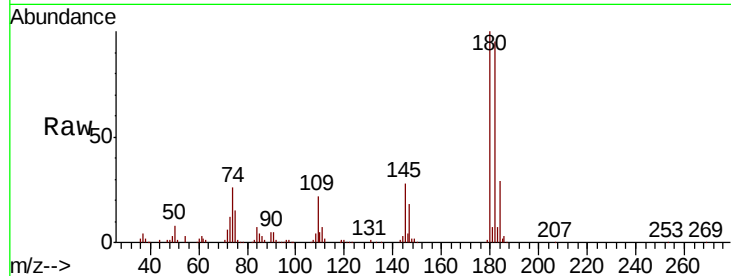




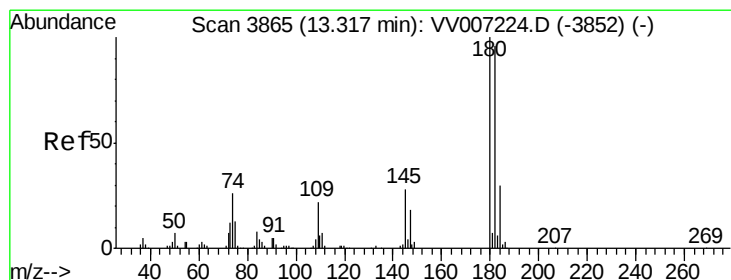
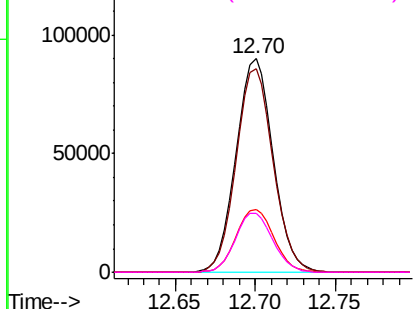
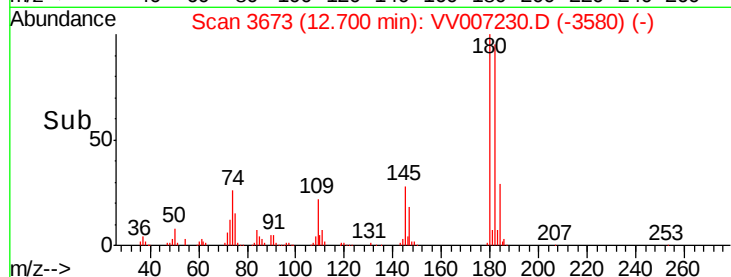
#67
 1,3,5-Trichlorobenzene
 Concen: 5.308 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV007230.D
 Acq: 28 Aug 2018 16:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

Tot Ion:180	Resp:	141591
Ion Ratio	Lower	Upper
180	100	
182	95.1	77.0 115.6
184	30.2	23.4 35.2
145	28.2	22.6 33.8

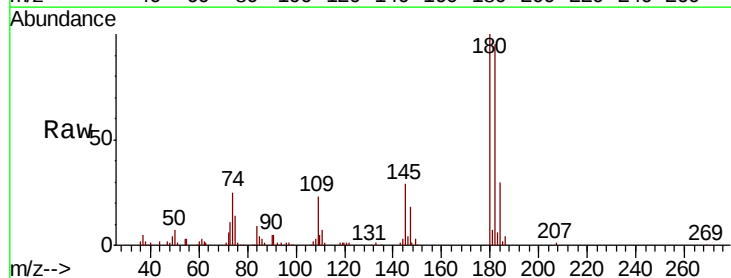


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

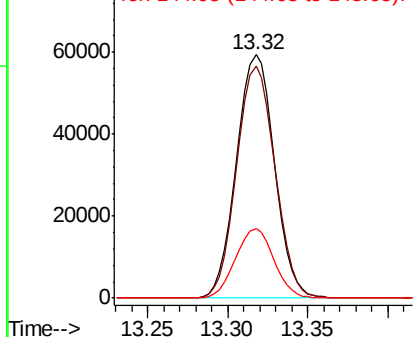
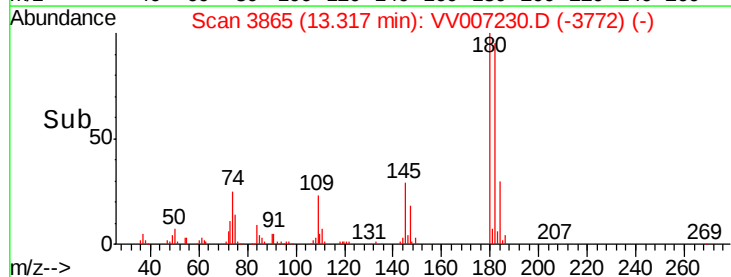


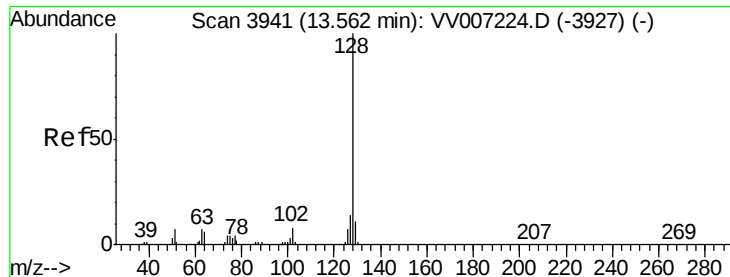
#68
 1,2,4-trichlorobenzene
 Concen: 5.363 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV007230.D
 Acq: 28 Aug 2018 16:33

Tgt Ion:180	Resp:	96301
Ion Ratio	Lower	Upper
180	100	
182	96.1	76.8 115.2
145	28.8	22.6 34.0



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: 5.094 ug/L

RT: 13.56 min Scan# 3941

Delta R.T. 0.00 min

Lab File: VV007230.D

Acq: 28 Aug 2018 16:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

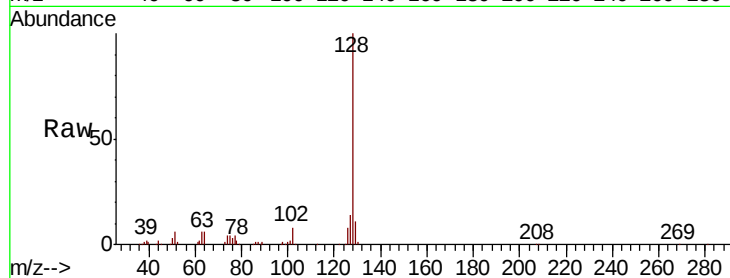
Tot Ion:128 Resp: 114303

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

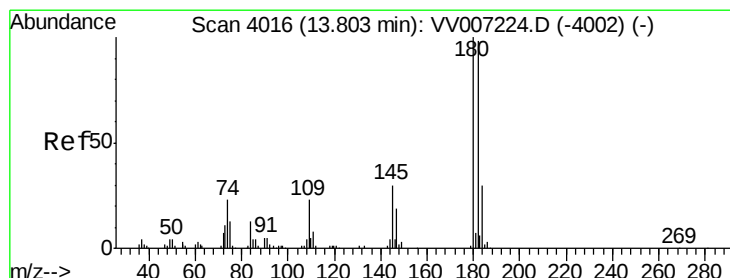
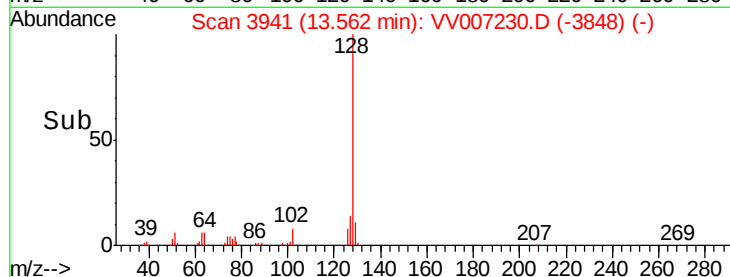
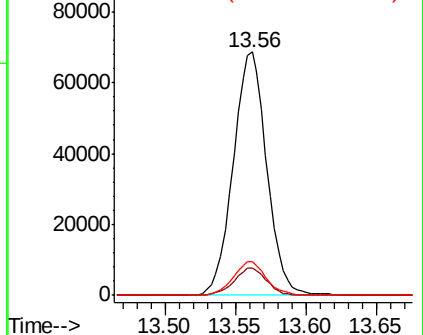
127 13.3 10.6 15.8



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: 5.127 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV007230.D

Acq: 28 Aug 2018 16:33

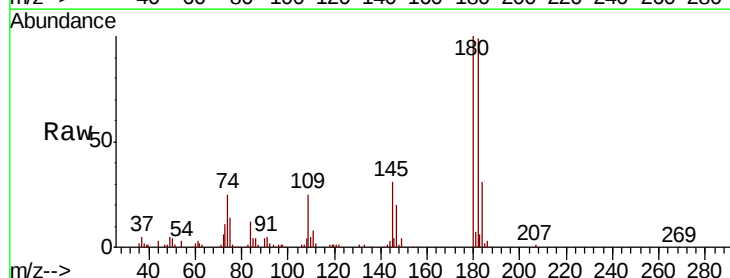
Tgt Ion:180 Resp: 90344

Ion Ratio Lower Upper

180 100

182 100.5 77.0 115.4

145 31.1 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

