

Data File : VV007687.D
Acq On : 21 Sep 2018 09:36
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00575

Quant Time: Sep 21 23:45:25 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 21 03:27:29 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	105382	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	98015	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	55325	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	18392	4.25	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.00%
7) Chloroethane-d5	1.58	69	18866	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.80%
11) 1,1-Dichloroethene-d2	2.14	63	53003	4.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.20%
20) 2-Butanone-d5	3.97	46	56501	51.14	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.28%
24) Chloroform-d	4.40	84	50011	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	5.09	65	24857	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
32) Benzene-d6	5.10	84	86822	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
36) 1,2-Dichloropropane-d6	6.12	67	26017	4.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.80%
41) Toluene-d8	7.36	98	88940	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.80%
43) trans-1,3-Dichloropropene-	7.67	79	10690	4.64	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.80%
46) 2-Hexanone-d5	8.14	63	41921	46.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.34%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	22964	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	42192	4.62	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	42496	5.014	ug/L 99
3) Chloromethane	1.25	50	32399	4.927	ug/L 97
5) Vinyl chloride	1.32	62	37650	4.916	ug/L 100
6) Bromomethane	1.54	94	24150	4.696	ug/L 99
8) Chloroethane	1.60	64	24760	4.967	ug/L 96
9) Trichlorofluoromethane	1.77	101	82800	5.170	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	45883	5.266	ug/L 98
12) 1,1-Dichloroethene	2.14	96	39272	5.114	ug/L 99
13) Acetone	2.23	43	50473	47.420	ug/L 99
14) Carbon disulfide	2.32	76	100857	4.928	ug/L 99
15) Methyl Acetate	2.47	43	12719	4.847	ug/L 98
16) Methylene chloride	2.54	84	39779	5.103	ug/L 98
17) Methyl tert-butyl Ether	2.81	73	91663	5.101	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	43026	5.101	ug/L 96
19) 1,1-Dichloroethane	3.23	63	53629	4.686	ug/L 99
21) 2-Butanone	4.06	43	65660	48.906	ug/L 100
22) cis-1,2-Dichloroethene	3.96	96	36839	4.944	ug/L 99

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 21 03:27:29 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	16556	4.882	ug/L	94
25) Chloroform	4.43	83	62856	5.144	ug/L	97
27) 1,2-Dichloroethane	5.18	62	36438	4.934	ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	57888	4.974	ug/L	97
30) Cyclohexane	4.72	56	47926	4.826	ug/L	98
31) Carbon tetrachloride	4.87	117	53484	5.023	ug/L	98
33) Benzene	5.15	78	129509	4.976	ug/L	100
34) Trichloroethene	5.96	95	38239	4.994	ug/L	96
35) Methylcyclohexane	6.18	83	61211	5.178	ug/L	98
37) 1,2-Dichloropropane	6.23	63	30227	4.808	ug/L	99
38) Bromodichloromethane	6.56	83	39949	4.816	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	45822	5.038	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	165299	48.608	ug/L	99
42) Toluene	7.43	91	152000	5.127	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	36821	4.988	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	24152	4.992	ug/L	98
47) Tetrachloroethene	8.02	164	39708	5.277	ug/L	97
48) 2-Hexanone	8.19	43	119359	49.558	ug/L	98
49) Dibromochloromethane	8.30	129	29390	4.880	ug/L	99
50) 1,2-Dibromoethane	8.40	107	23138	5.044	ug/L	95
51) Chlorobenzene	8.93	112	103101	5.015	ug/L	98
52) Ethylbenzene	9.06	91	169753	5.065	ug/L	98
53) m,p-xylene	9.18	106	68259	5.181	ug/L	93
54) o-xylene	9.59	106	65215	5.030	ug/L	99
55) Styrene	9.61	104	106816	5.041	ug/L	99
56) Isopropylbenzene	9.98	105	179496	5.089	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	27008	4.891	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	19062	4.948	ug/L	100
61) Bromoform	9.78	173	16315	4.573	ug/L	96
62) 1,3-Dichlorobenzene	11.23	146	92737	5.049	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	93581	5.067	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	86287	4.994	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	3691	4.697	ug/L	91
67) 1,3,5-Trichlorobenzene	12.70	180	80859	5.081	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	64332	4.957	ug/L	99
69) Naphthalene	13.56	128	85678	4.419	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	58732	4.915	ug/L	95

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

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Instrument :
MSVOA_V
ClientSampleId :
VSTD00575

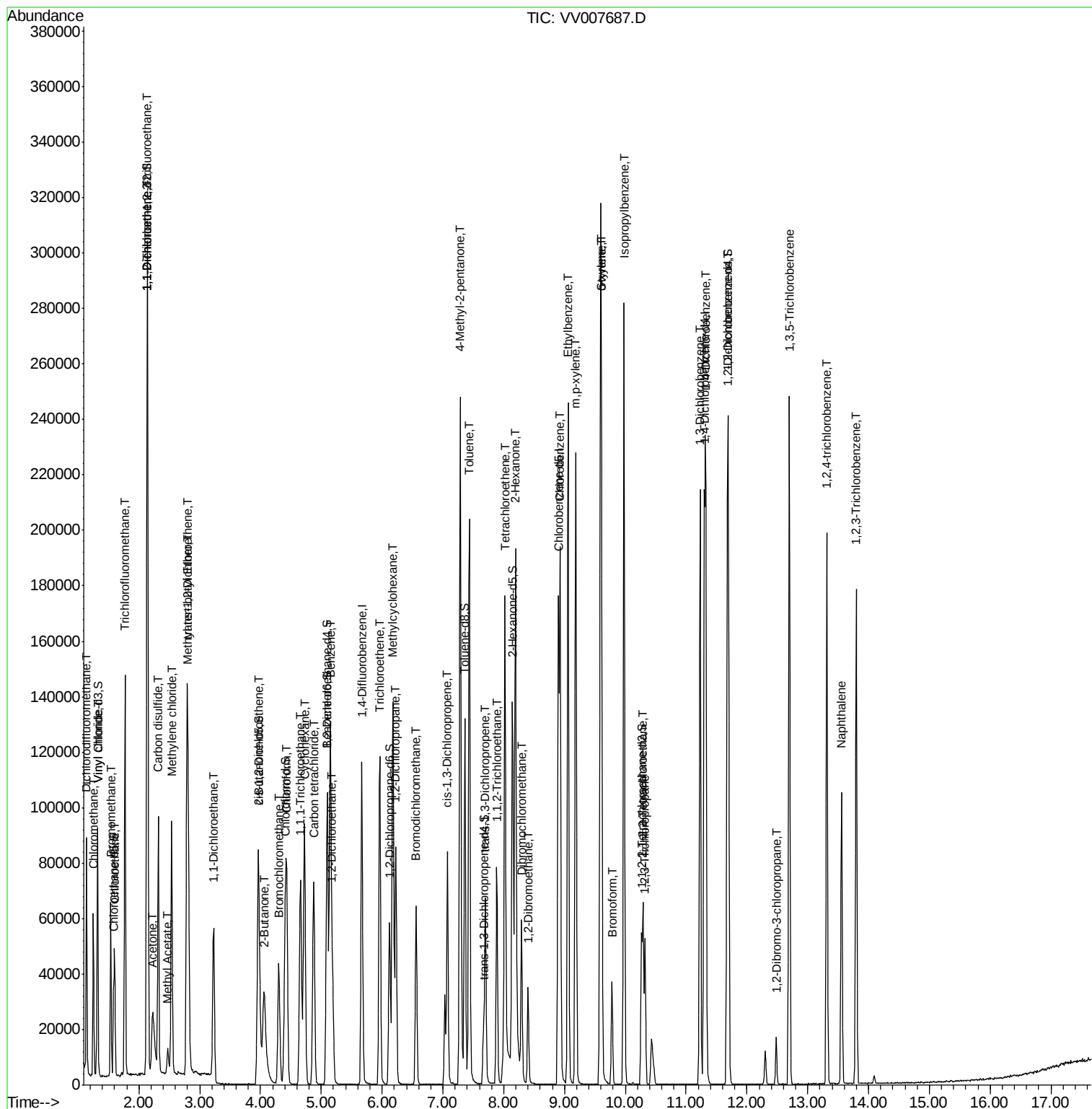
Quant Time: Sep 21 23:45:25 2018

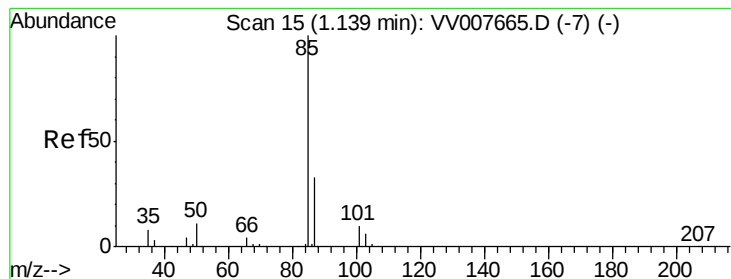
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR091918WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Sep 21 03:27:29 2018

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.014 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV007687.D

Acq: 21 Sep 2018 09:36

Instrument :

MSVOA_V

ClientSampleId :

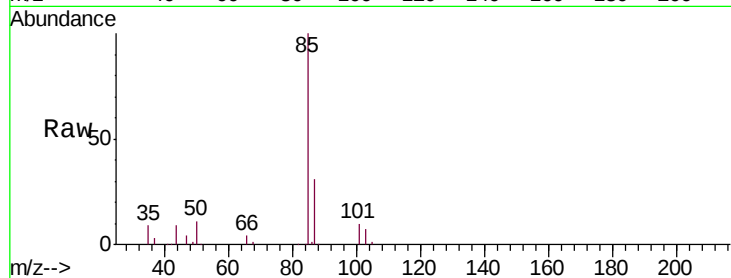
VSTD00575

Tgt Ion: 85 Resp: 42496

Ion Ratio Lower Upper

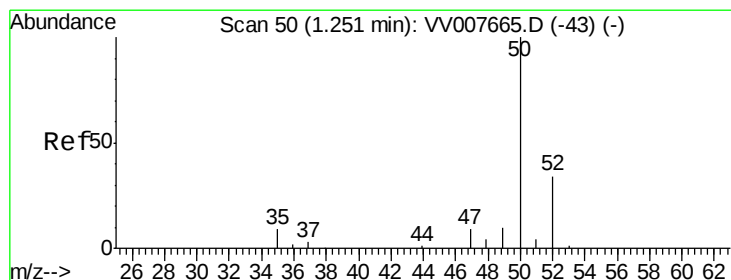
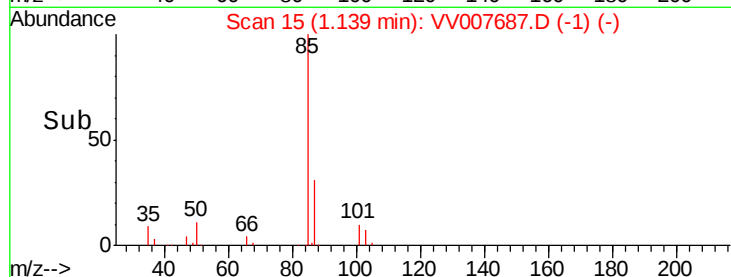
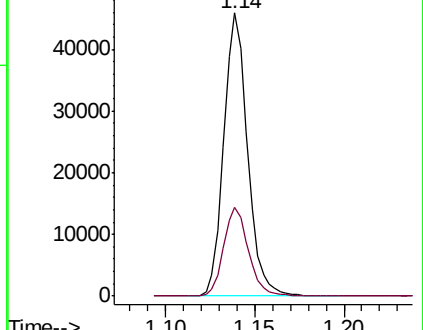
85 100

87 32.4 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV007665.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV007665.D (-7) (-)



#3

Chloromethane

Concen: 4.927 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV007687.D

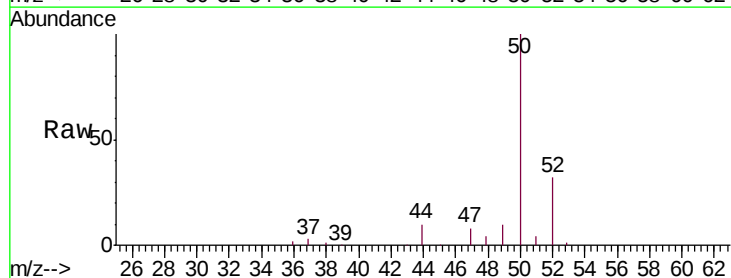
Acq: 21 Sep 2018 09:36

Tgt Ion: 50 Resp: 32399

Ion Ratio Lower Upper

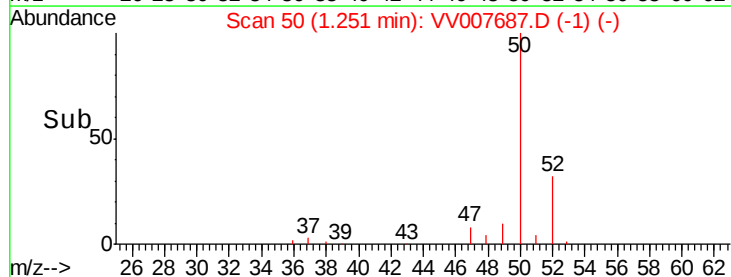
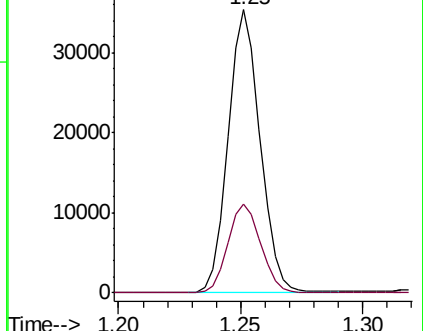
50 100

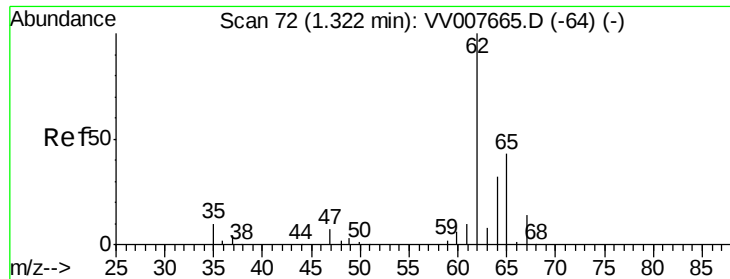
52 31.5 23.2 43.2



Abundance Ion 50.05 (49.75 to 50.75): VV007665.D (-43) (-)

Ion 52.05 (51.75 to 52.75): VV007665.D (-43) (-)





#5

Vinyl chloride

Concen: 4.916 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV007687.D

Acq: 21 Sep 2018 09:36

Instrument :

MSVOA_V

ClientSampleId :

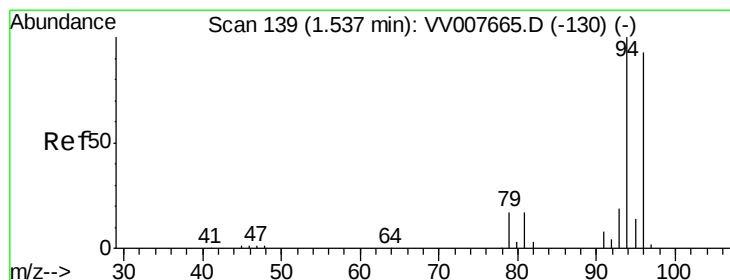
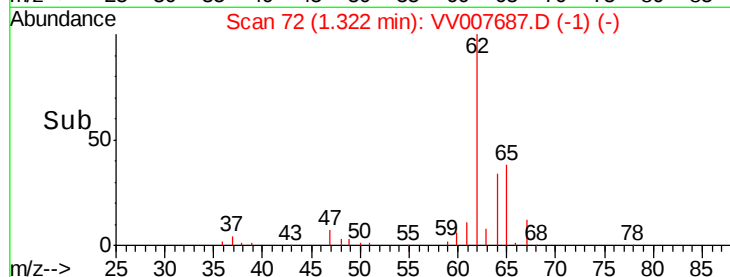
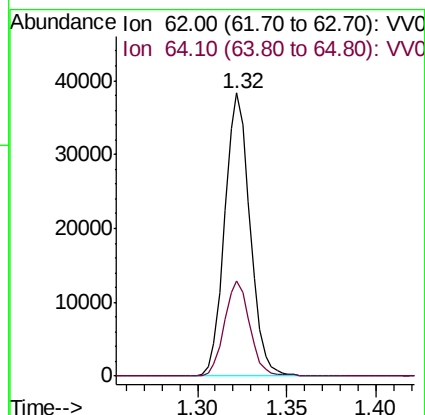
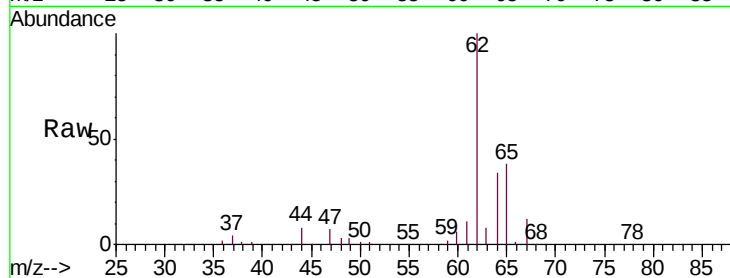
VSTD00575

Tgt Ion: 62 Resp: 37650

Ion Ratio Lower Upper

62 100

64 33.8 23.5 43.7



#6

Bromomethane

Concen: 4.696 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV007687.D

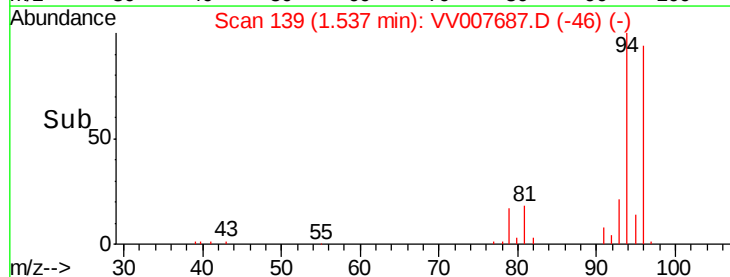
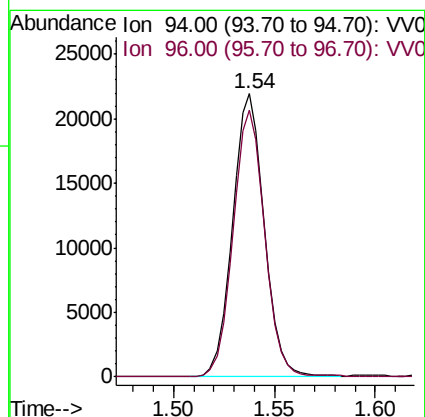
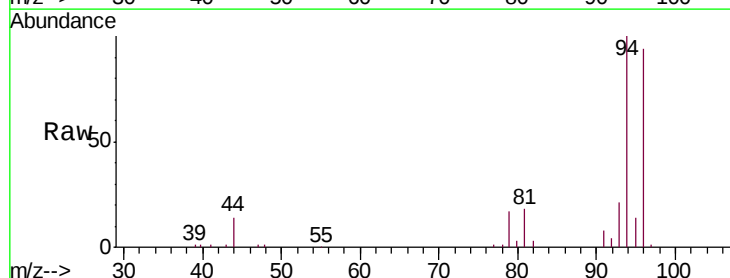
Acq: 21 Sep 2018 09:36

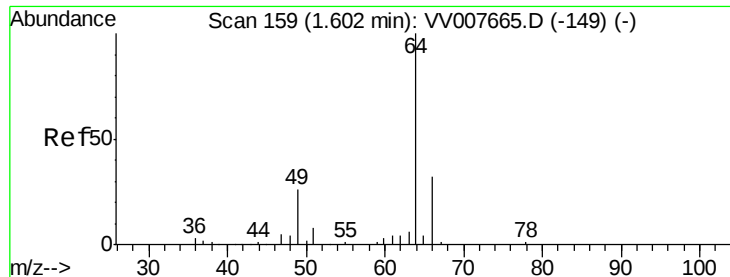
Tgt Ion: 94 Resp: 24150

Ion Ratio Lower Upper

94 100

96 94.5 65.6 121.8

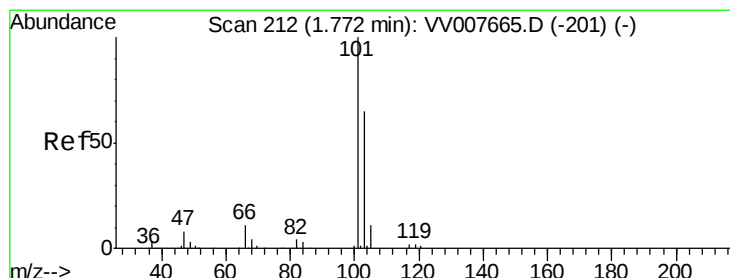
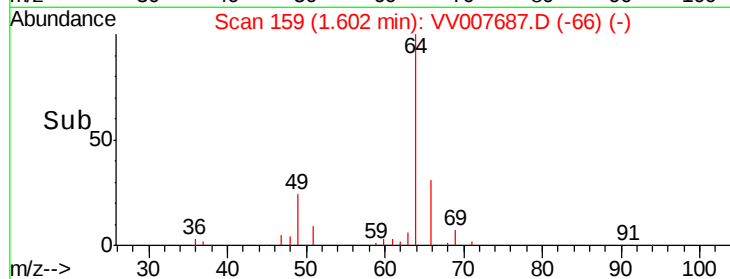
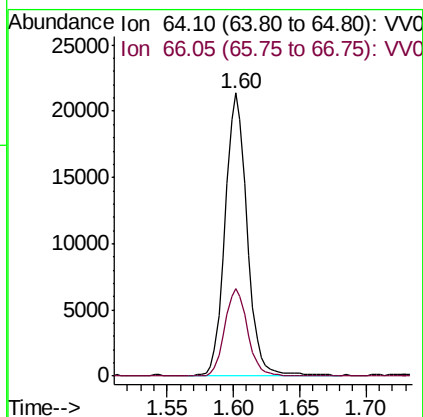
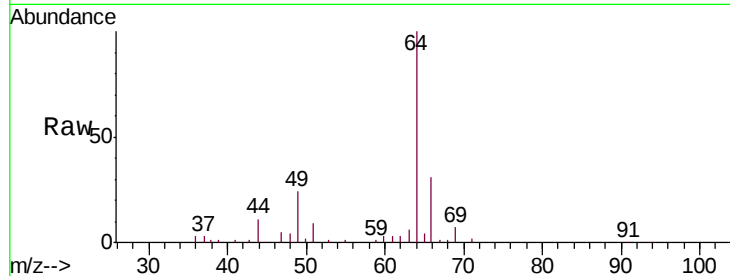




#8
Chloroethane
Concen: 4.967 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV007687.D
Acq: 21 Sep 2018 09:36

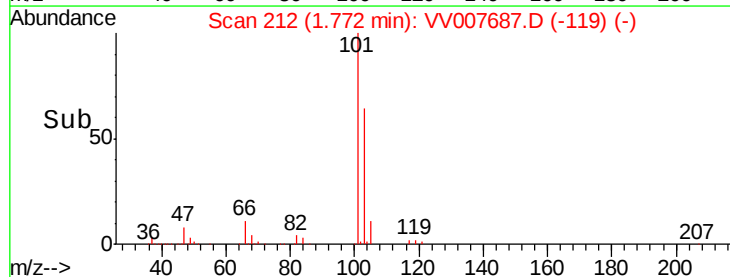
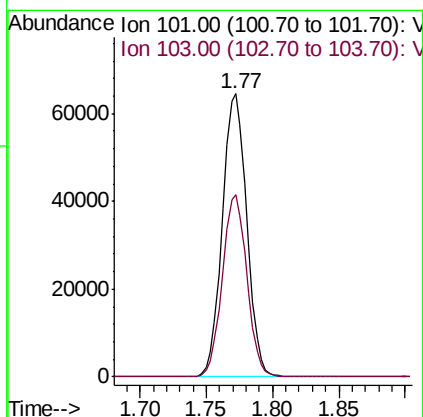
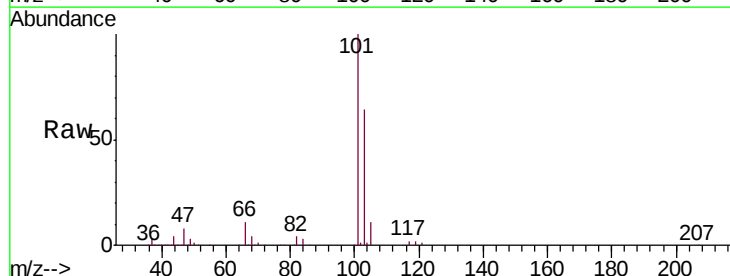
Instrument :
MSVOA_V
ClientSampleId :
VSTD00575

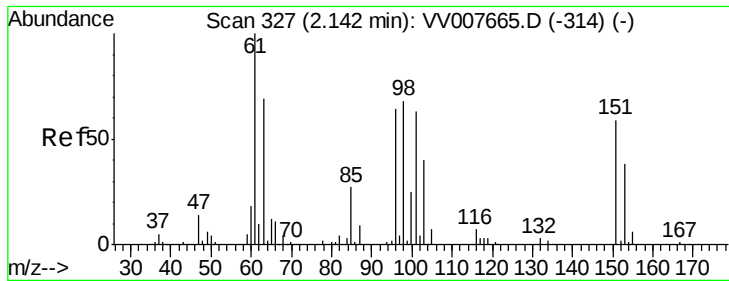
Tgt Ion: 64 Resp: 24760
Ion Ratio Lower Upper
64 100
66 30.9 23.4 43.4



#9
Trichlorofluoromethane
Concen: 5.170 ug/L
RT: 1.77 min Scan# 212
Delta R.T. 0.00 min
Lab File: VV007687.D
Acq: 21 Sep 2018 09:36

Tgt Ion: 101 Resp: 82800
Ion Ratio Lower Upper
101 100
103 64.4 51.9 77.9





#10

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

Concen: 5.266 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV007687.D

Acq: 21 Sep 2018 09:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD00575

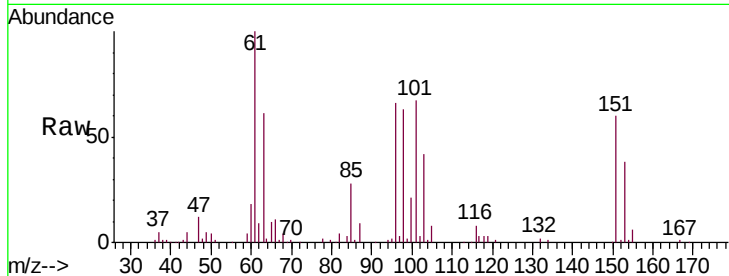
Tgt Ion: 101 Resp: 45883

Ion Ratio Lower Upper

101 100

85 42.8 32.6 48.8

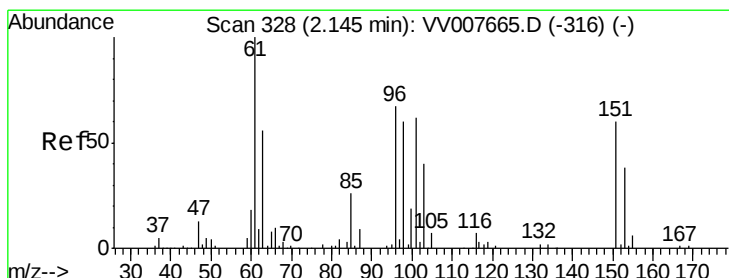
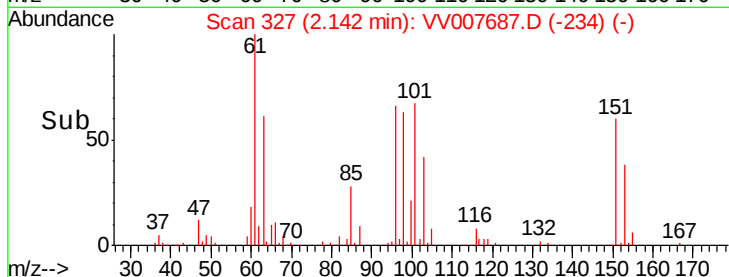
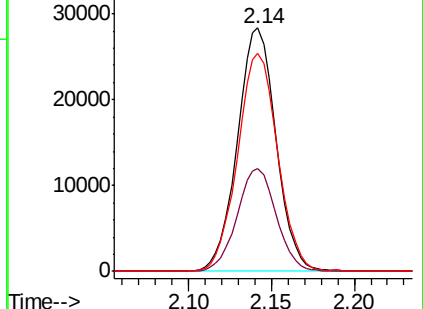
151 92.6 72.8 109.2



Abundance Ion 101.00 (100.70 to 101.70): VV007665.D (-314) (-)

Ion 85.00 (84.70 to 85.70): VV007665.D (-314) (-)

Ion 151.00 (150.70 to 151.70): VV007665.D (-314) (-)



#12

1,1-Dichloroethene

Concen: 5.114 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV007687.D

Acq: 21 Sep 2018 09:36

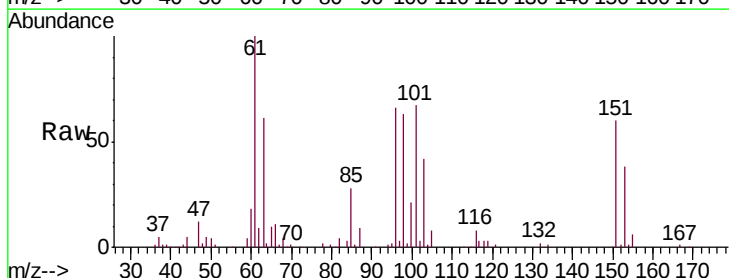
Tgt Ion: 96 Resp: 39272

Ion Ratio Lower Upper

96 100

61 151.0 104.3 193.7

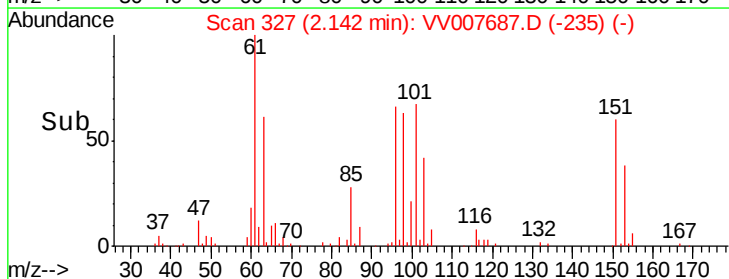
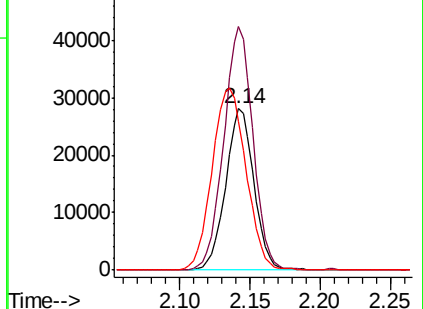
63 92.4 65.2 121.2

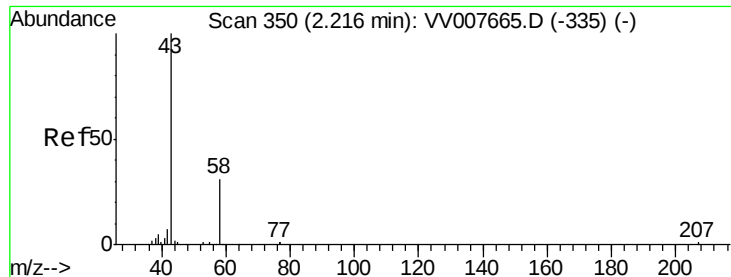


Abundance Ion 96.00 (95.70 to 96.70): VV007665.D (-316) (-)

Ion 61.05 (60.75 to 61.75): VV007665.D (-316) (-)

Ion 63.00 (62.70 to 63.70): VV007665.D (-316) (-)





#13

Acetone

Concen: 47.420 ug/L

RT: 2.23 min Scan# 354

Delta R.T. 0.01 min

Lab File: VV007687.D

Acq: 21 Sep 2018 09:36

Instrument :

MSVOA_V

ClientSampleId :

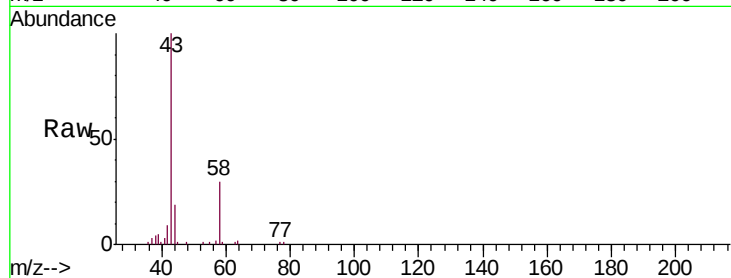
VSTD00575

Tgt Ion: 43 Resp: 50473

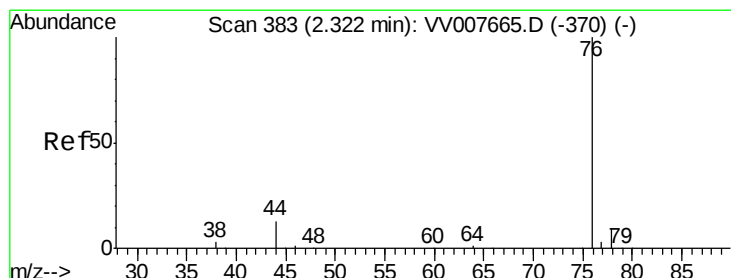
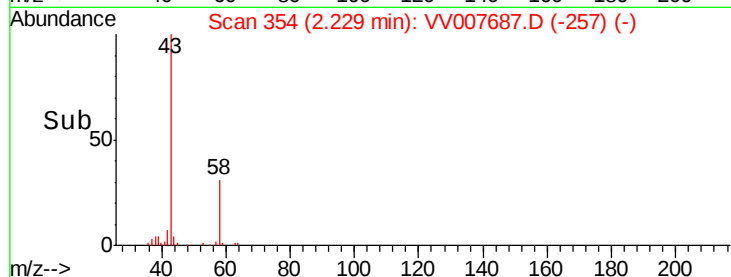
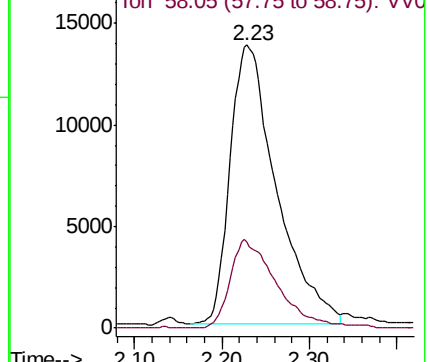
Ion Ratio Lower Upper

43 100

58 31.3 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VV007665.D (-335) (-)



#14

Carbon disulfide

Concen: 4.928 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV007687.D

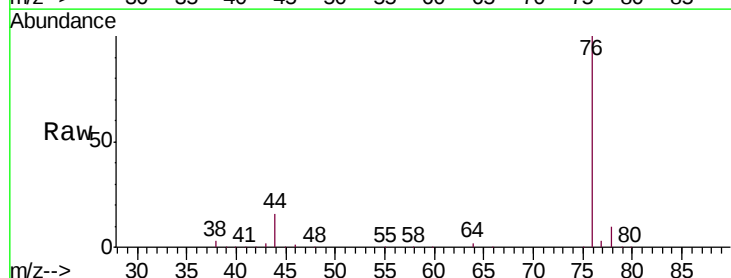
Acq: 21 Sep 2018 09:36

Tgt Ion: 76 Resp: 100857

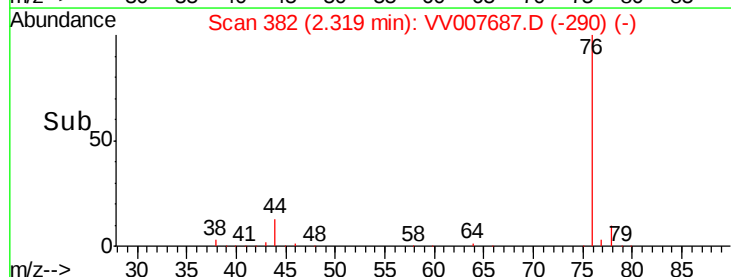
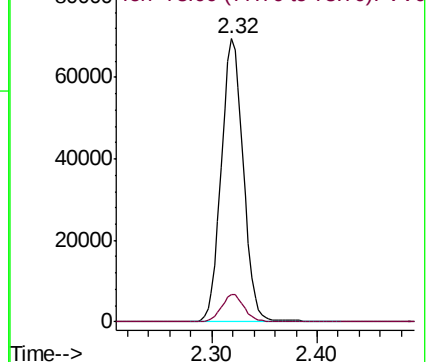
Ion Ratio Lower Upper

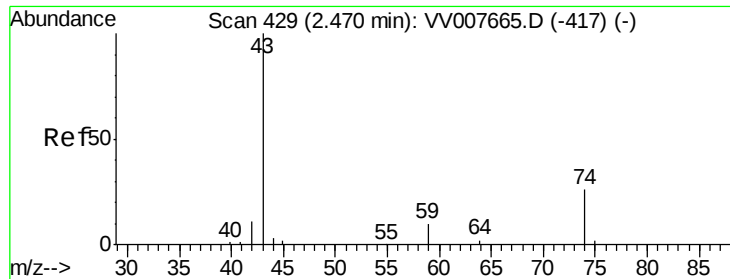
76 100

78 9.8 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VV007665.D (-370) (-)

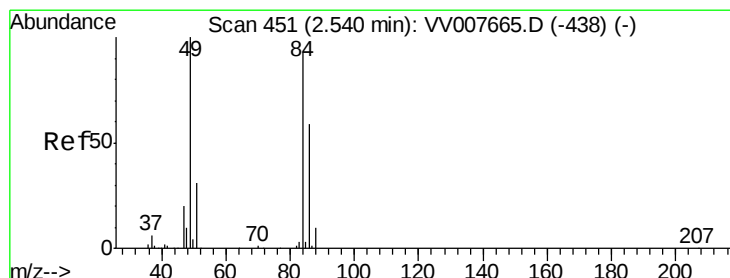
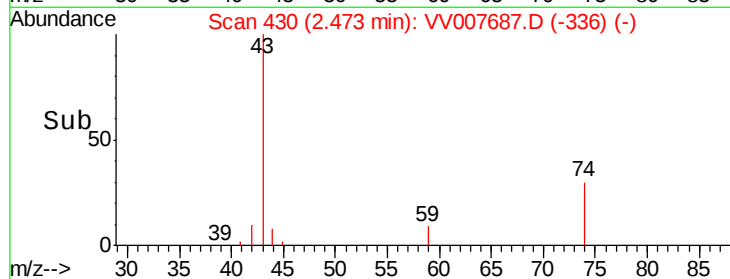
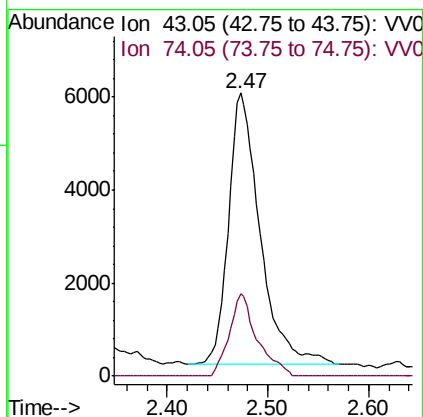
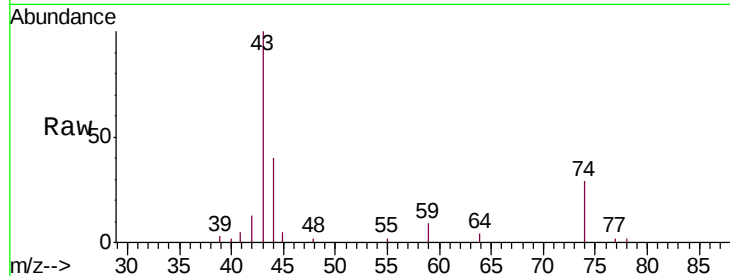




#15
Methyl Acetate
Concen: 4.847 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.00 min
Lab File: VV007687.D
Acq: 21 Sep 2018 09:36

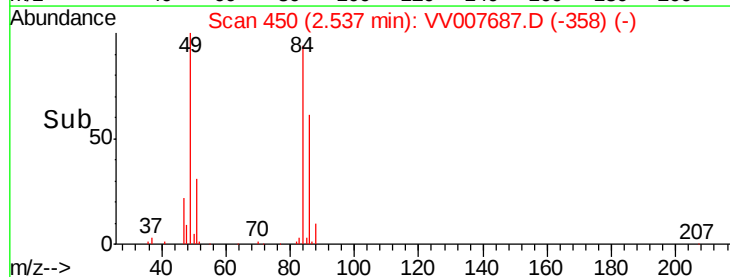
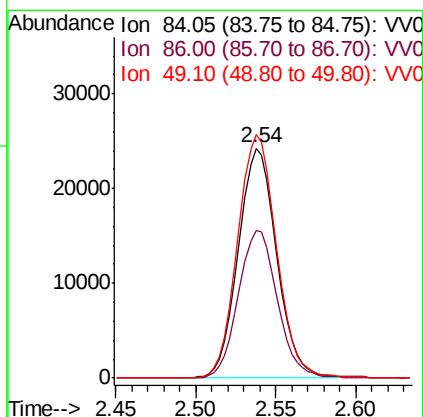
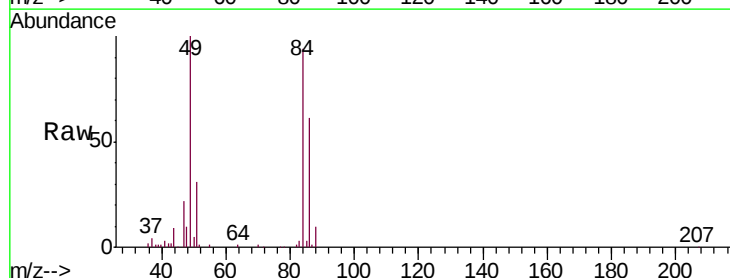
Instrument :
MSVOA_V
ClientSampleId :
VSTD00575

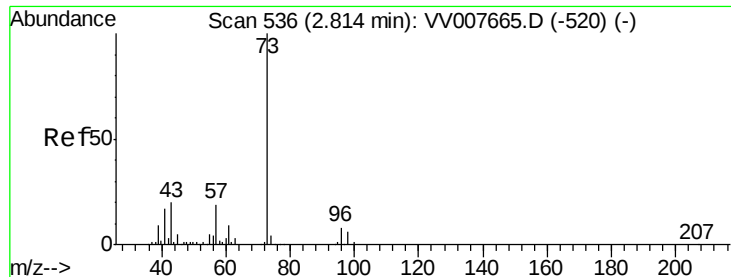
Tgt Ion: 43 Resp: 12719
Ion Ratio Lower Upper
43 100
74 26.7 20.6 30.8



#16
Methylene chloride
Concen: 5.103 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV007687.D
Acq: 21 Sep 2018 09:36

Tgt Ion: 84 Resp: 39779
Ion Ratio Lower Upper
84 100
86 64.3 46.1 85.5
49 105.8 75.5 140.1

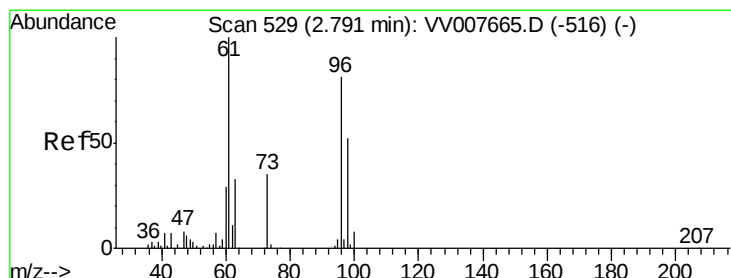
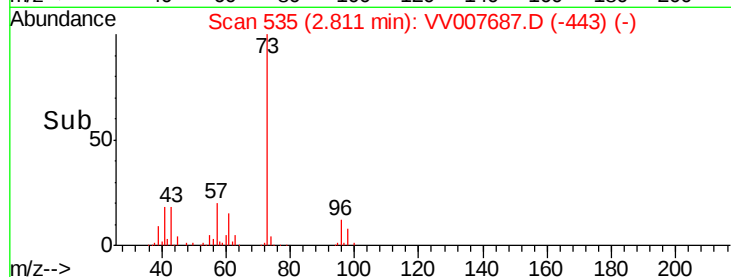
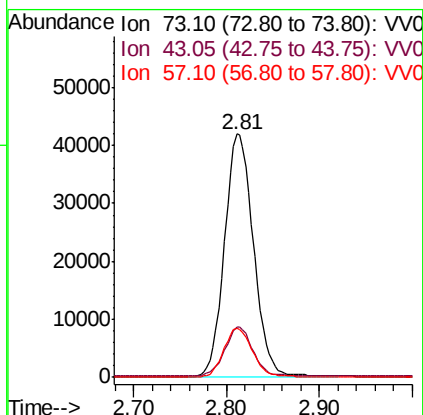
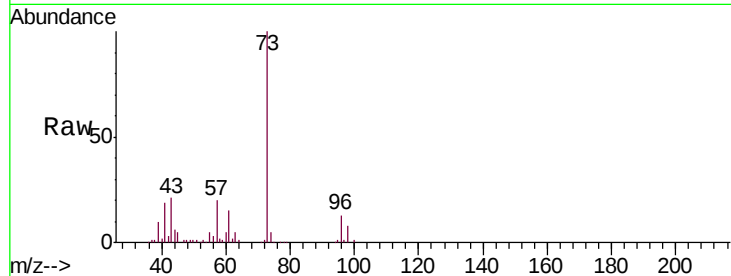




#17
Methyl tert-butyl Ether
Concen: 5.101 ug/L
RT: 2.81 min Scan# 535
Delta R.T. -0.00 min
Lab File: VV007687.D
Acq: 21 Sep 2018 09:36

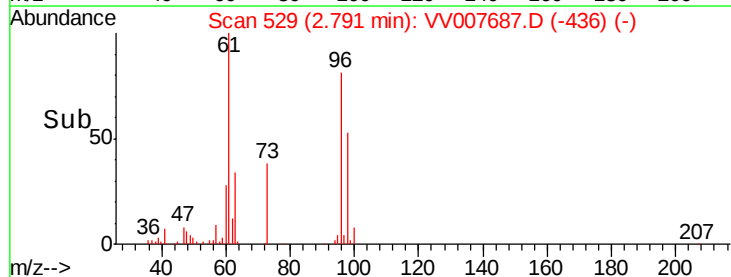
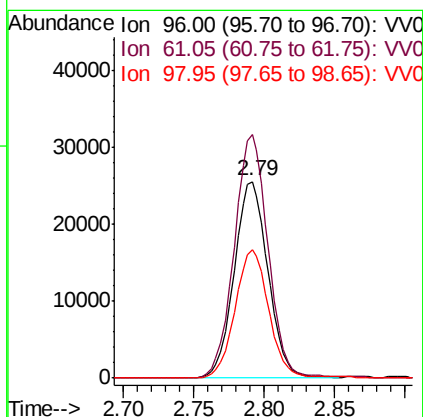
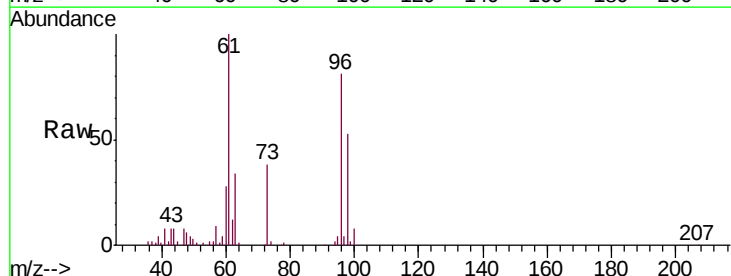
Instrument :
MSVOA_V
ClientSampled :
VSTD00575

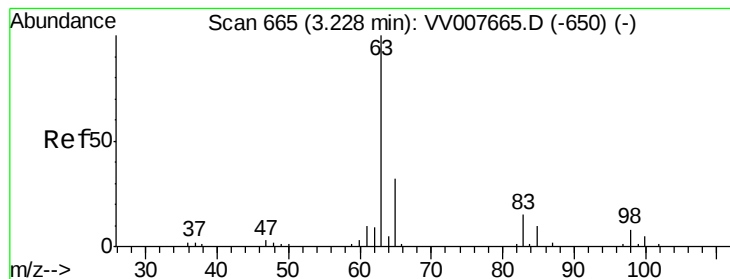
Tgt Ion: 73 Resp: 91663
Ion Ratio Lower Upper
73 100
43 19.0 15.7 23.5
57 19.9 15.8 23.8



#18
trans-1,2-Dichloroethene
Concen: 5.101 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV007687.D
Acq: 21 Sep 2018 09:36

Tgt Ion: 96 Resp: 43026
Ion Ratio Lower Upper
96 100
61 123.8 84.4 156.7
98 65.0 43.0 80.0





#19

1,1-Dichloroethane

Concen: 4.686 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV007687.D

Acq: 21 Sep 2018 09:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD00575

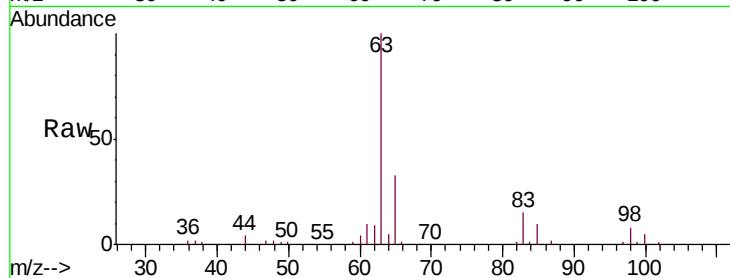
Tgt Ion: 63 Resp: 53629

Ion Ratio Lower Upper

63 100

65 33.1 22.6 42.0

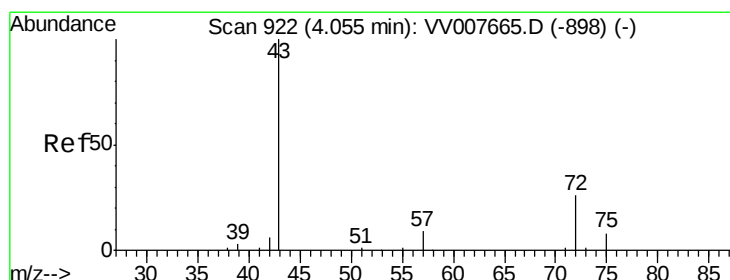
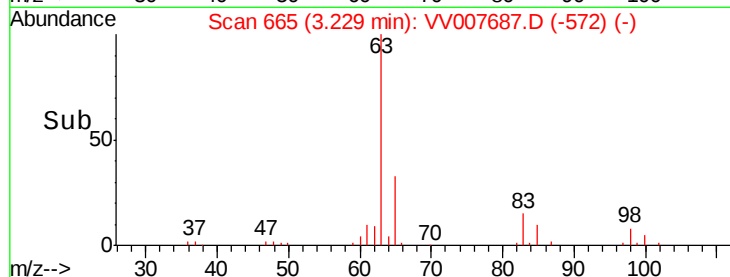
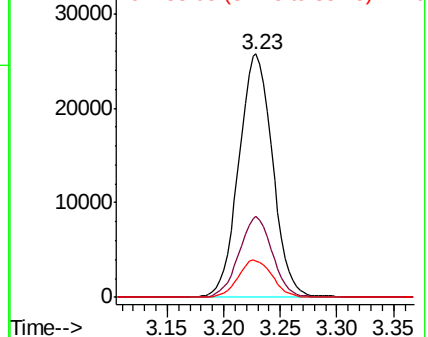
83 15.0 10.4 19.4



Abundance Ion 63.10 (62.80 to 63.80): VV007665.D (-650) (-)

Ion 65.10 (64.80 to 65.80): VV007665.D (-650) (-)

Ion 83.05 (82.75 to 83.75): VV007665.D (-650) (-)



#21

2-Butanone

Concen: 48.906 ug/L

RT: 4.06 min Scan# 924

Delta R.T. 0.01 min

Lab File: VV007687.D

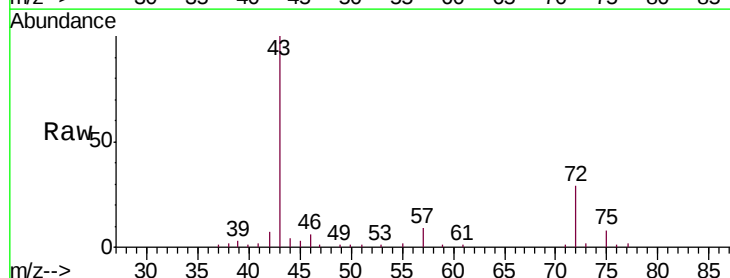
Acq: 21 Sep 2018 09:36

Tgt Ion: 43 Resp: 65660

Ion Ratio Lower Upper

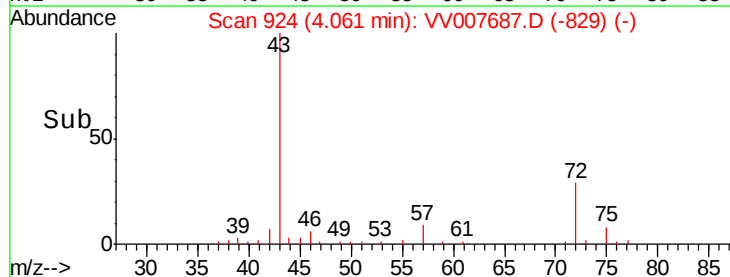
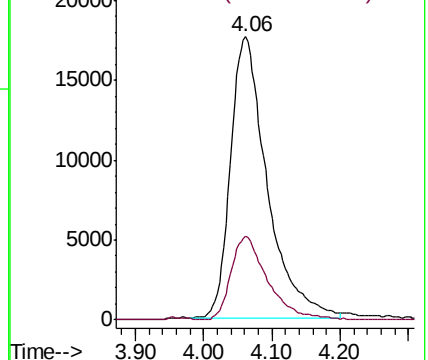
43 100

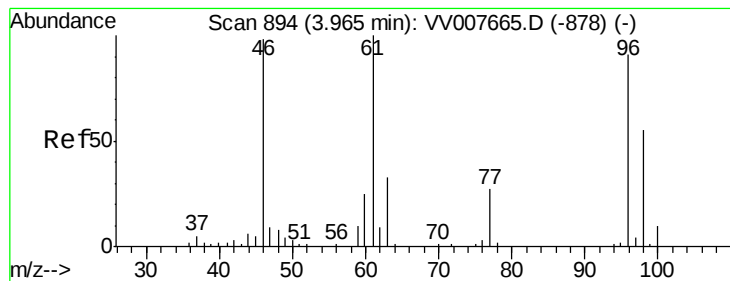
72 29.5 14.8 44.4



Abundance Ion 43.05 (42.75 to 43.75): VV007665.D (-898) (-)

Ion 72.10 (71.80 to 72.80): VV007665.D (-898) (-)



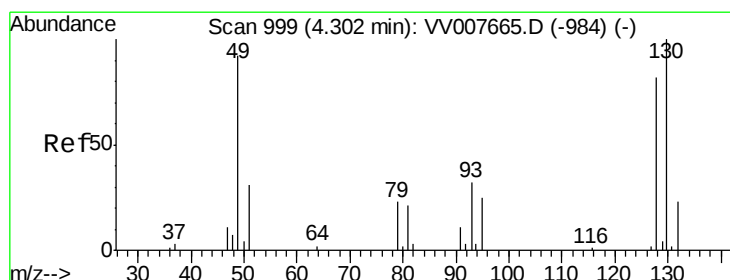
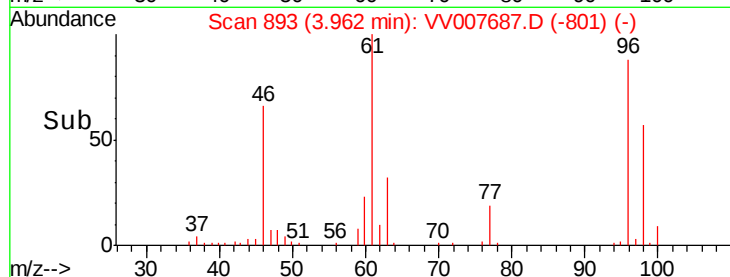
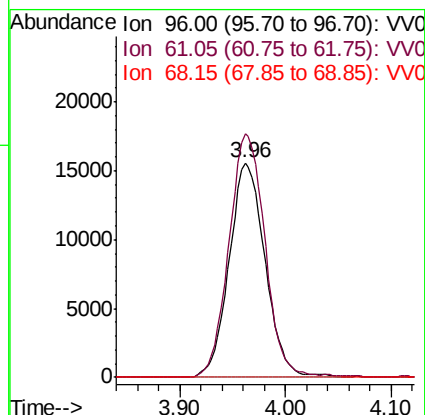
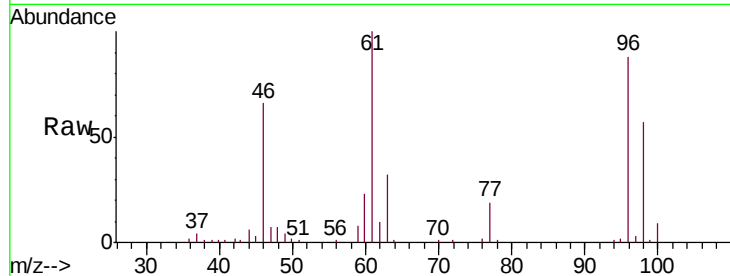


#22

cis-1,2-Dichloroethene
 Concen: 4.944 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV007687.D
 Acq: 21 Sep 2018 09:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00575

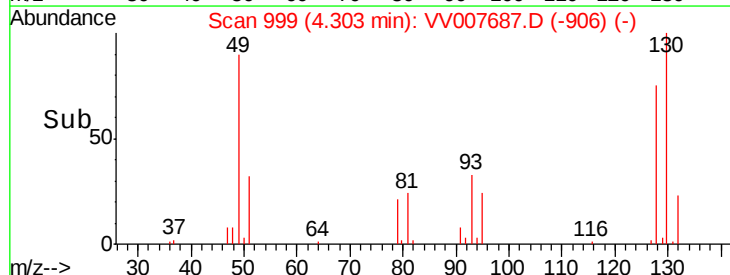
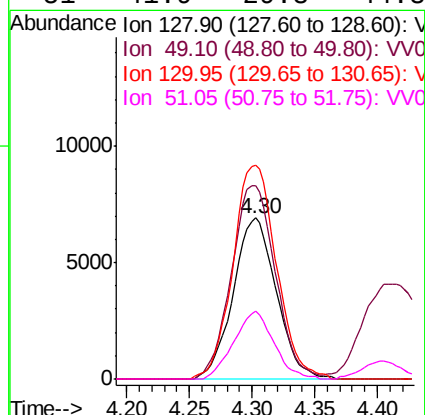
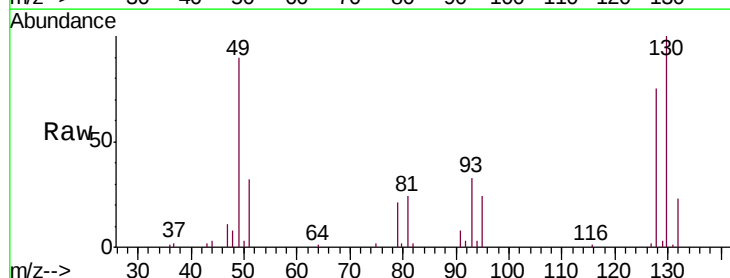
Tgt Ion: 96 Resp: 36839
 Ion Ratio Lower Upper
 96 100
 61 113.5 79.0 146.8
 68 0.0 0.0 0.0

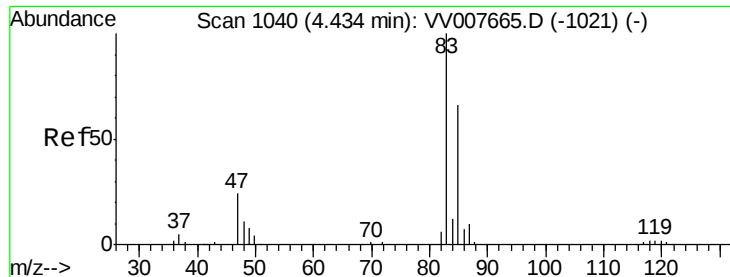


#23

Bromochloromethane
 Concen: 4.882 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VV007687.D
 Acq: 21 Sep 2018 09:36

Tgt Ion: 128 Resp: 16556
 Ion Ratio Lower Upper
 128 100
 49 119.9 81.7 151.7
 130 132.9 86.8 161.2
 51 41.9 29.8 44.8

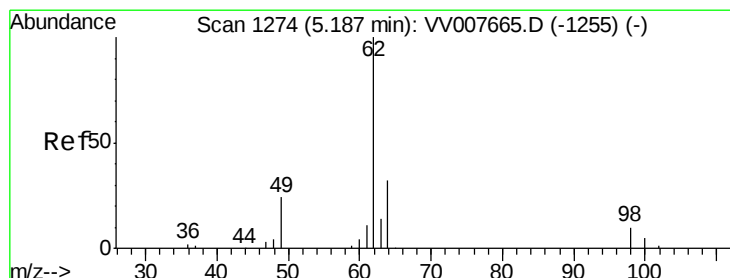
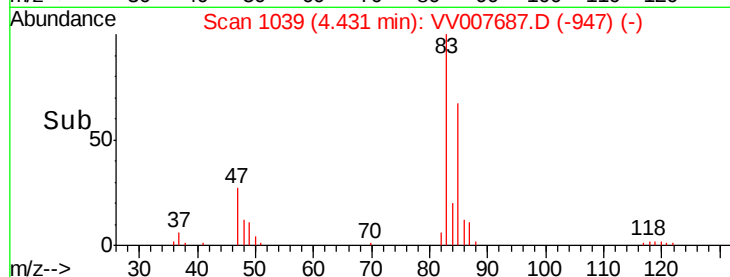
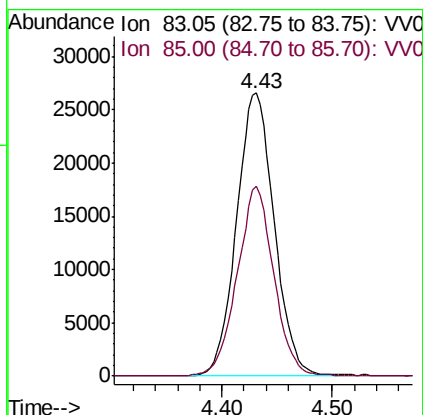
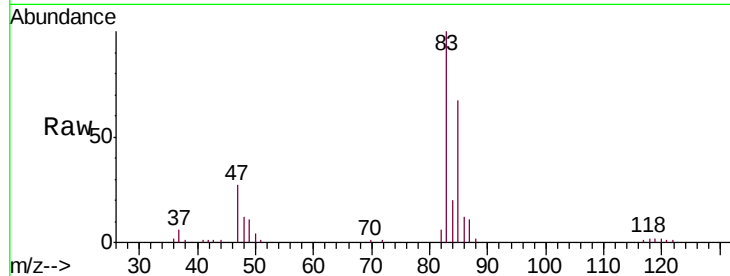




#25
Chloroform
Concen: 5.144 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. -0.00 min
Lab File: VV007687.D
Acq: 21 Sep 2018 09:36

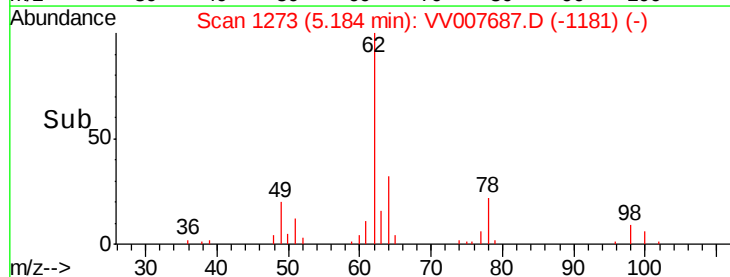
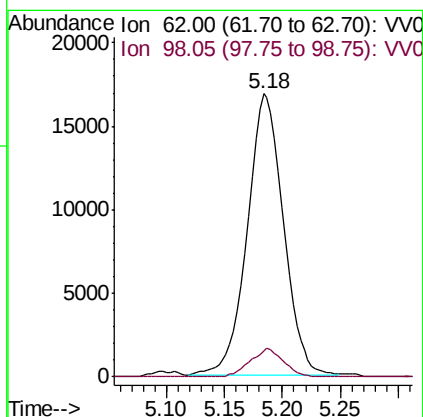
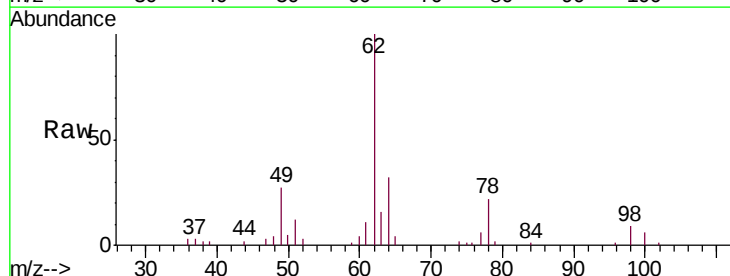
Instrument :
MSVOA_V
ClientSampleId :
VSTD00575

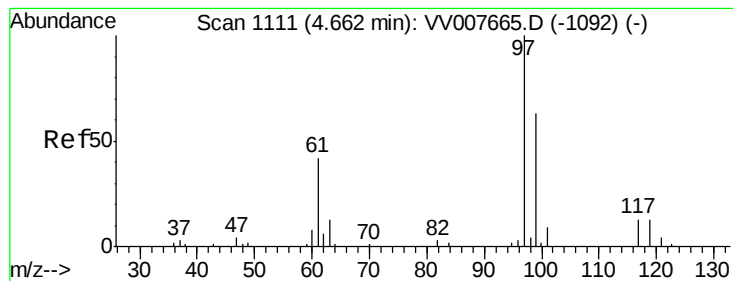
Tgt Ion: 83 Resp: 62856
Ion Ratio Lower Upper
83 100
85 66.9 45.4 84.4



#27
1,2-Dichloroethane
Concen: 4.934 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VV007687.D
Acq: 21 Sep 2018 09:36

Tgt Ion: 62 Resp: 36438
Ion Ratio Lower Upper
62 100
98 9.3 7.5 11.3





#29

1,1,1-Trichloroethane

Concen: 4.974 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VV007687.D

Acq: 21 Sep 2018 09:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD00575

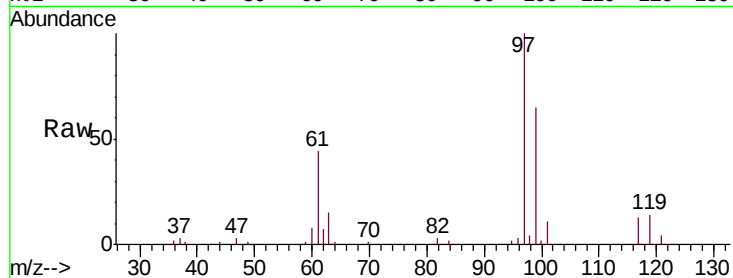
Tgt Ion: 97 Resp: 57888

Ion Ratio Lower Upper

97 100

99 65.8 50.6 76.0

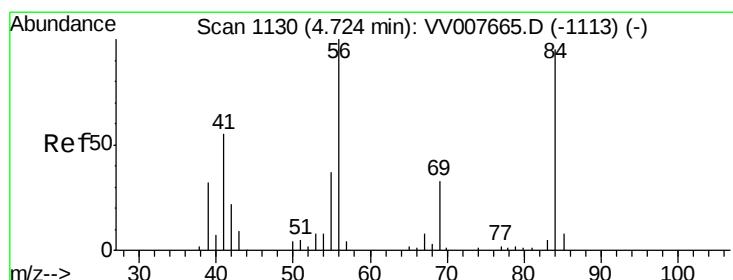
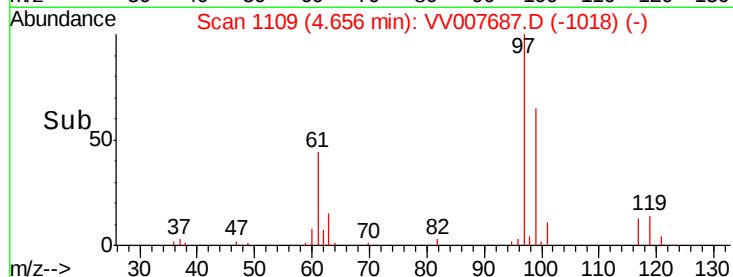
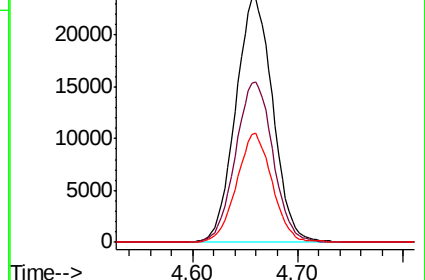
61 42.7 32.8 49.2



Abundance Ion 96.95 (96.65 to 97.65): VV007665.D (-1092) (-)

Ion 99.05 (98.75 to 99.75): VV007665.D (-1092) (-)

Ion 61.05 (60.75 to 61.75): VV007665.D (-1092) (-)



#30

Cyclohexane

Concen: 4.826 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV007687.D

Acq: 21 Sep 2018 09:36

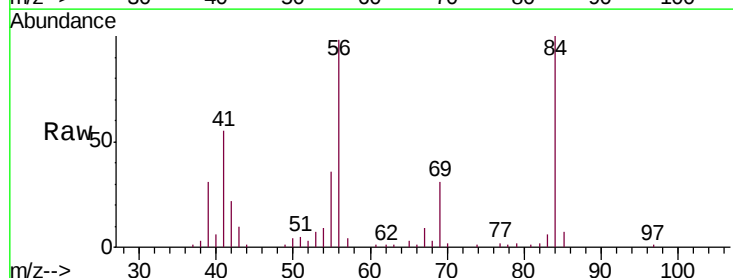
Tgt Ion: 56 Resp: 47926

Ion Ratio Lower Upper

56 100

69 32.3 26.9 40.3

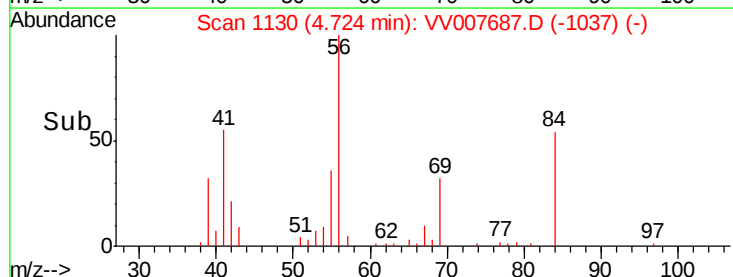
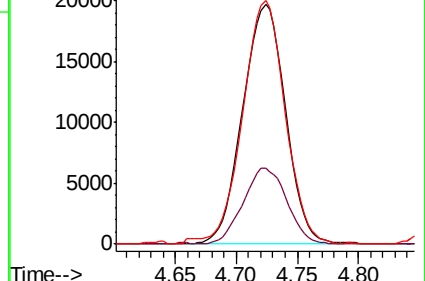
84 100.8 78.9 118.3

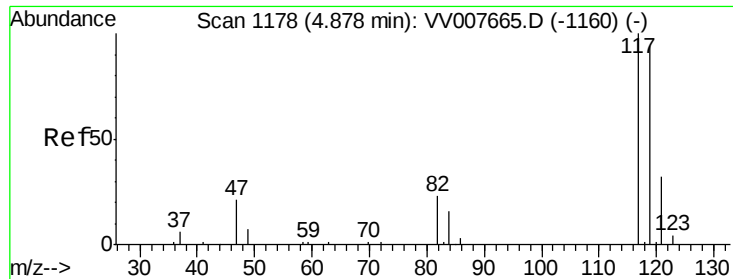


Abundance Ion 56.10 (55.80 to 56.80): VV007665.D (-1113) (-)

Ion 69.15 (68.85 to 69.85): VV007665.D (-1113) (-)

Ion 84.15 (83.85 to 84.85): VV007665.D (-1113) (-)





#31

Carbon tetrachloride

Concen: 5.023 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV007687.D

Acq: 21 Sep 2018 09:36

Instrument :

MSVOA_V

ClientSampleId :

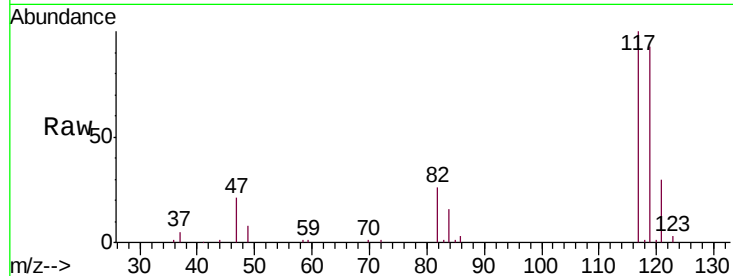
VSTD00575

Tgt Ion:117 Resp: 53484

Ion Ratio Lower Upper

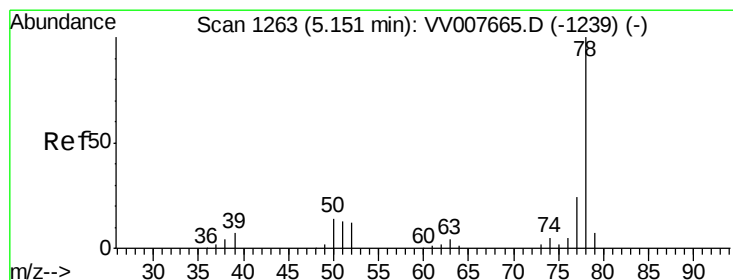
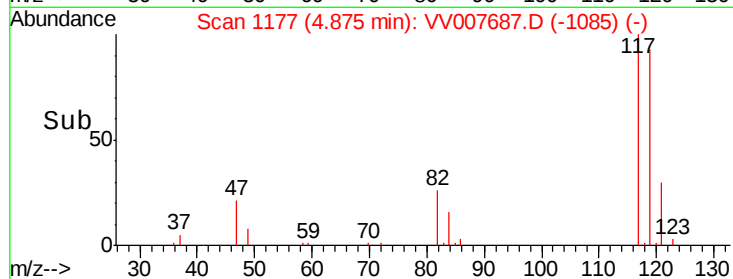
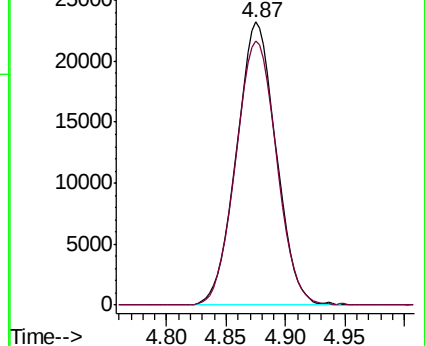
117 100

119 96.4 75.9 113.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.976 ug/L

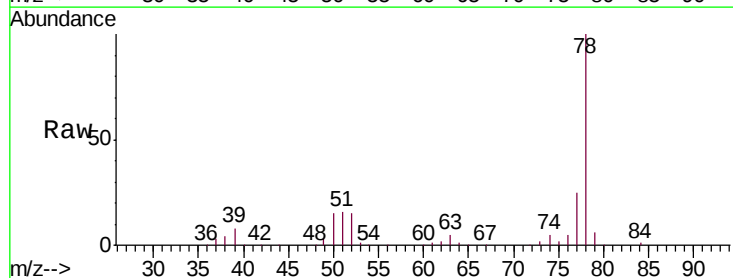
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

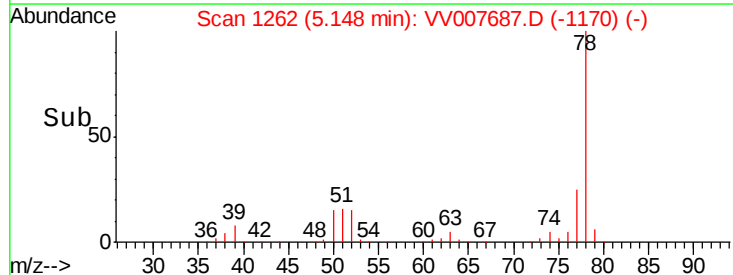
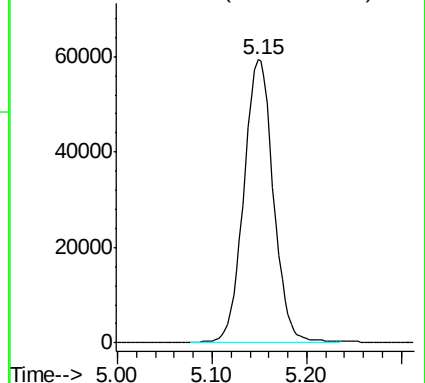
Lab File: VV007687.D

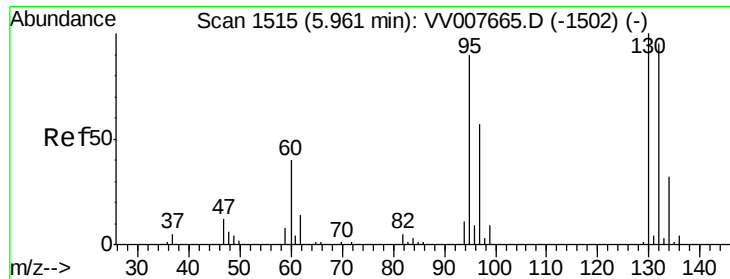
Acq: 21 Sep 2018 09:36

Tgt Ion: 78 Resp: 129509



Abundance Ion 78.10 (77.80 to 78.80): VV0

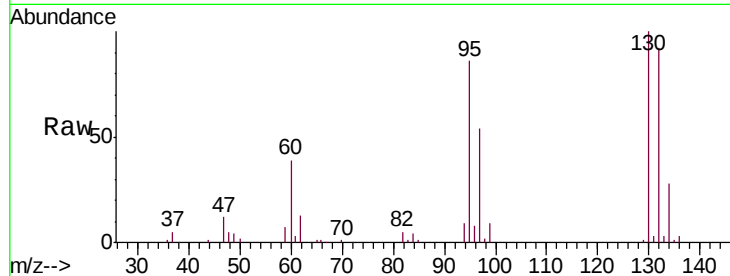




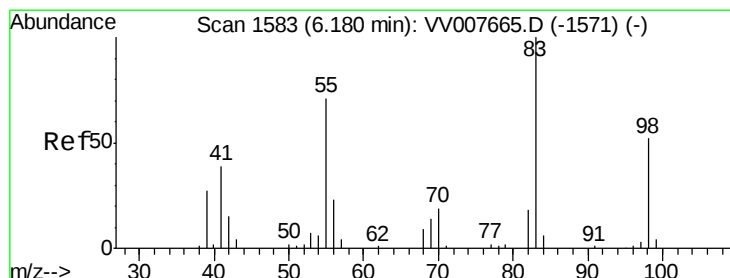
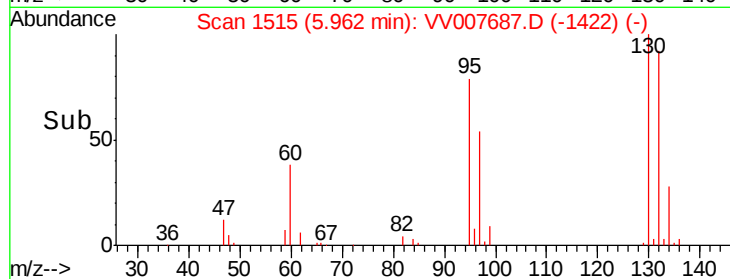
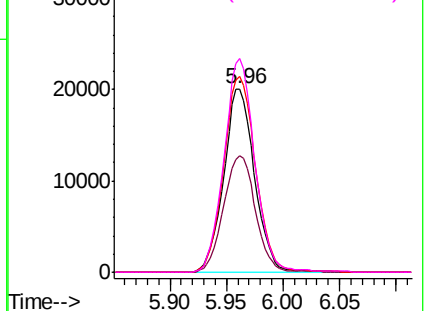
#34
 Trichloroethene
 Concen: 4.994 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: VV007687.D
 Acq: 21 Sep 2018 09:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00575

Tgt Ion: 95 Resp: 38239
 Ion Ratio Lower Upper
 95 100
 97 63.4 45.1 83.9
 132 106.8 78.2 145.2
 130 116.4 78.8 146.3

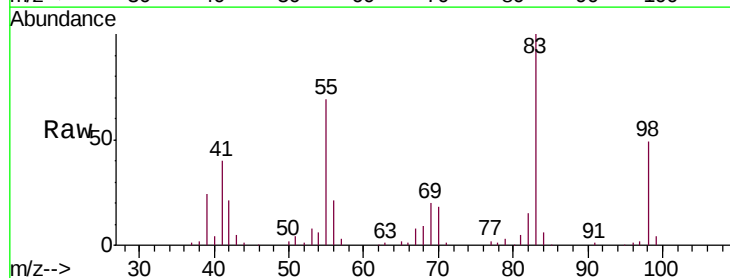


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

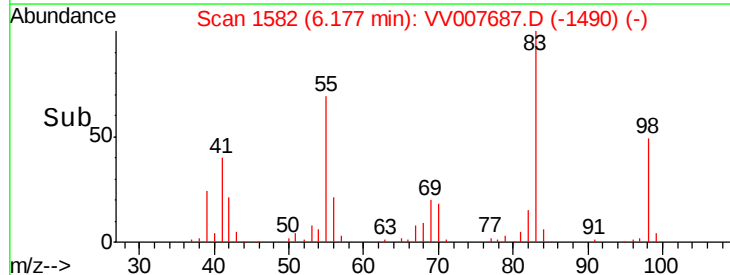
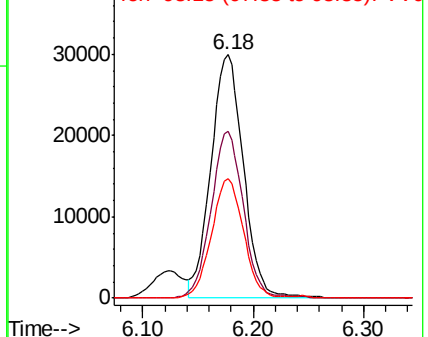


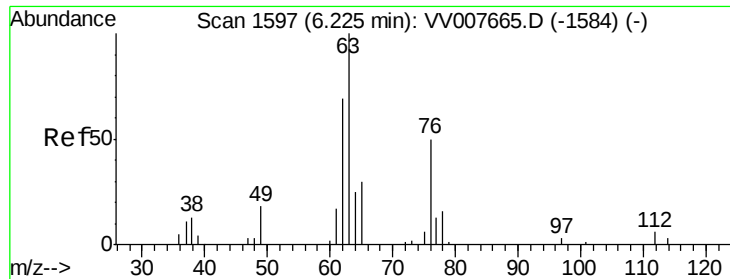
#35
 Methylcyclohexane
 Concen: 5.178 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VV007687.D
 Acq: 21 Sep 2018 09:36

Tgt Ion: 83 Resp: 61211
 Ion Ratio Lower Upper
 83 100
 55 67.9 54.8 82.2
 98 48.6 40.7 61.1



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

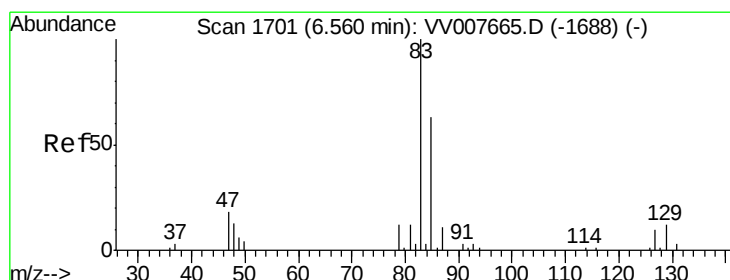
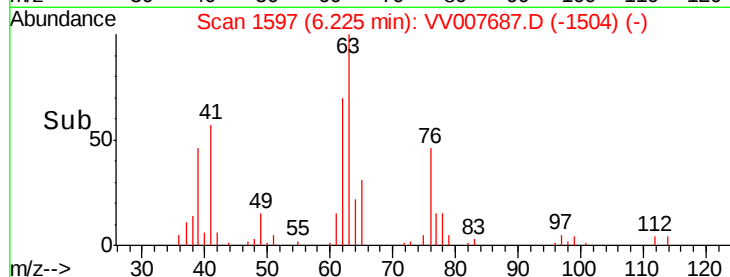
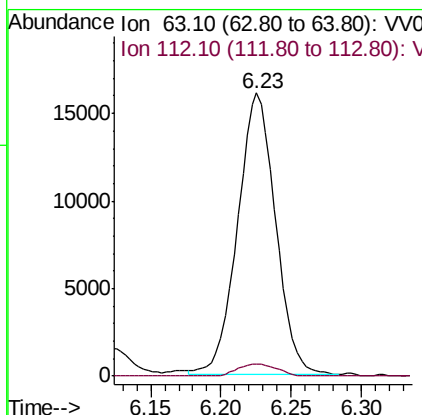
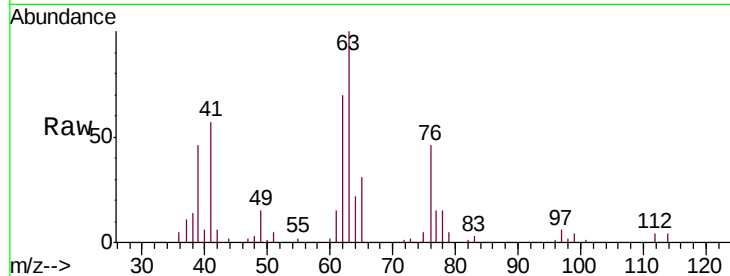




#37
 1,2-Dichloropropane
 Concen: 4.808 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: VV007687.D
 Acq: 21 Sep 2018 09:36

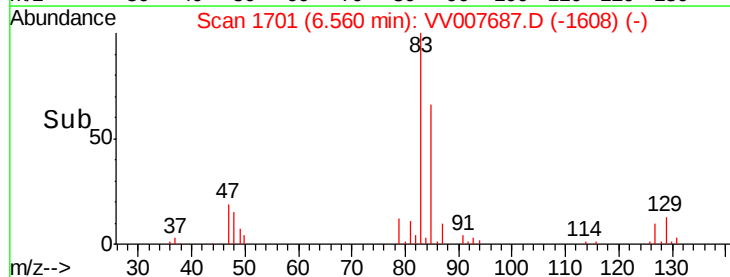
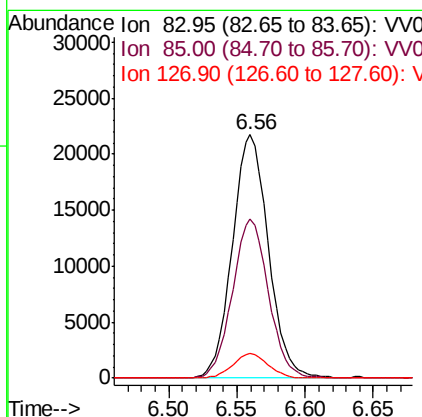
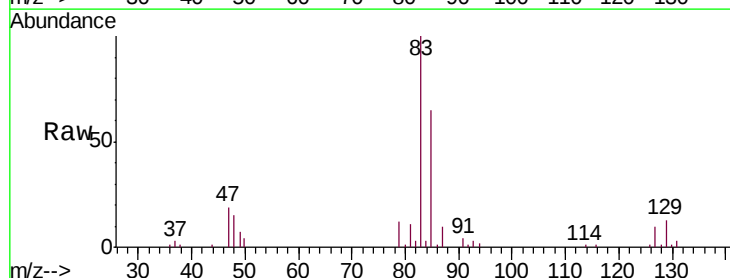
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00575

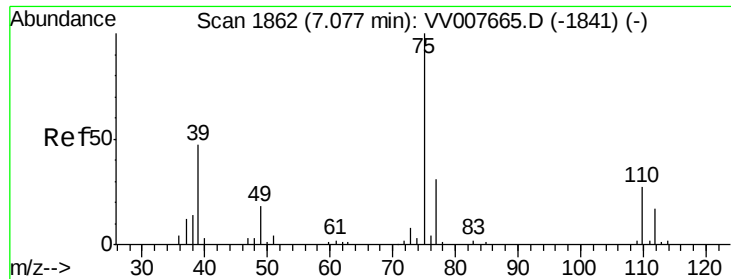
Tgt Ion: 63 Resp: 30227
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.9 5.9



#38
 Bromodichloromethane
 Concen: 4.816 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. 0.00 min
 Lab File: VV007687.D
 Acq: 21 Sep 2018 09:36

Tgt Ion: 83 Resp: 39949
 Ion Ratio Lower Upper
 83 100
 85 65.2 44.5 82.7
 127 10.3 7.9 11.9

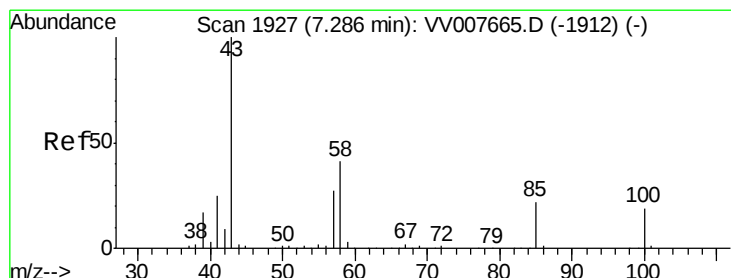
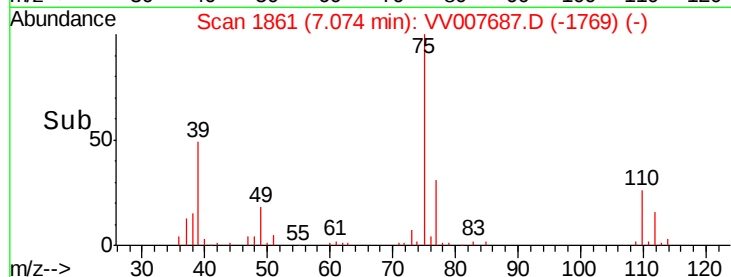
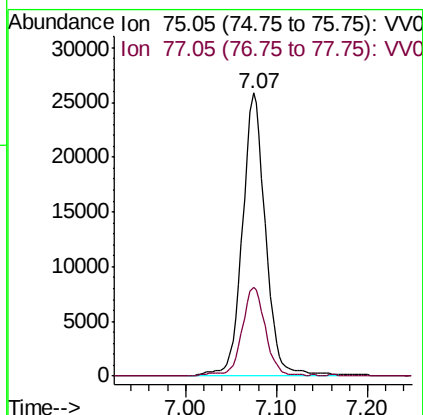
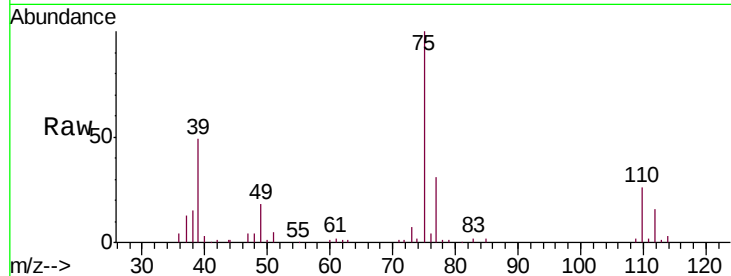




#39
 cis-1,3-Dichloropropene
 Concen: 5.038 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VV007687.D
 Acq: 21 Sep 2018 09:36

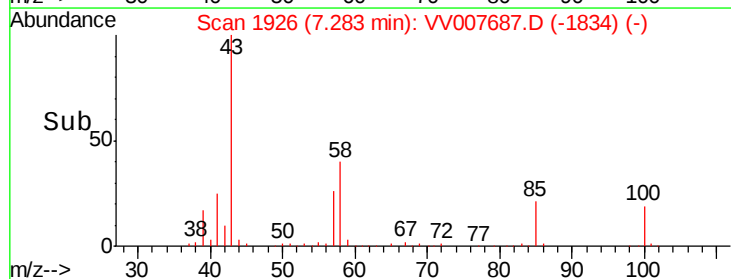
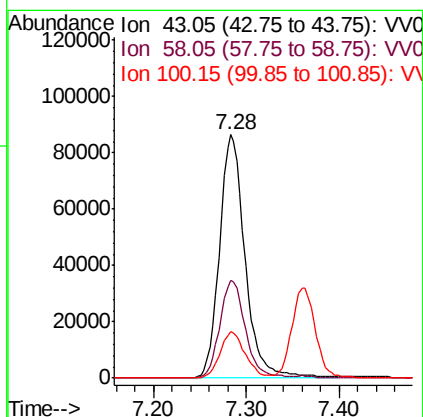
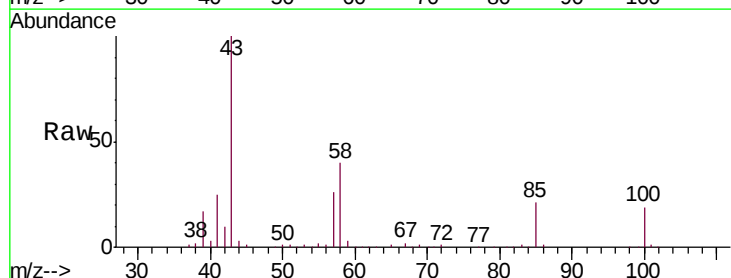
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00575

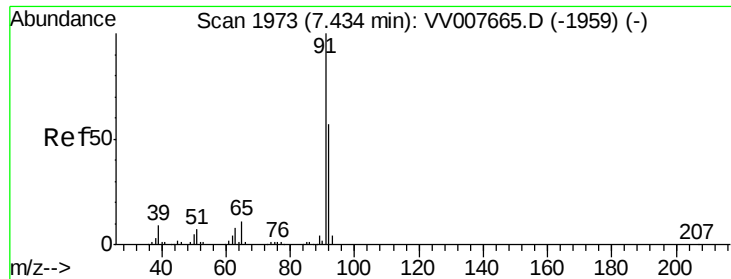
Tgt Ion: 75 Resp: 45822
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 48.608 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. -0.00 min
 Lab File: VV007687.D
 Acq: 21 Sep 2018 09:36

Tgt Ion: 43 Resp: 165299
 Ion Ratio Lower Upper
 43 100
 58 40.2 32.4 48.6
 100 18.7 14.6 21.8





#42

Toluene

Concen: 5.127 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV007687.D

Acq: 21 Sep 2018 09:36

Instrument :

MSVOA_V

ClientSampleId :

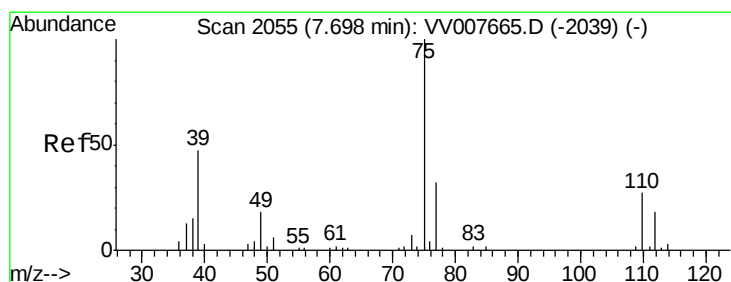
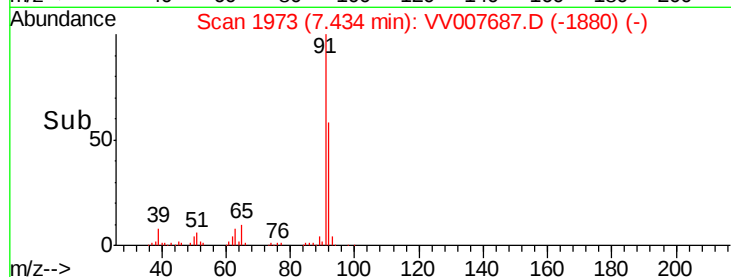
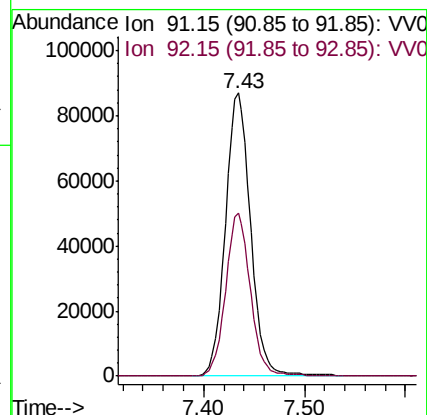
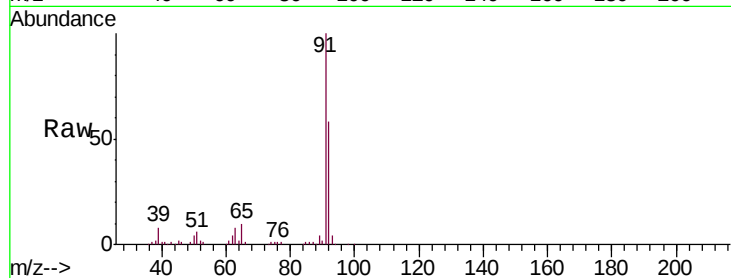
VSTD00575

Tgt Ion: 91 Resp: 152000

Ion Ratio Lower Upper

91 100

92 57.7 39.7 73.7



#44

trans-1,3-Dichloropropene

Concen: 4.988 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV007687.D

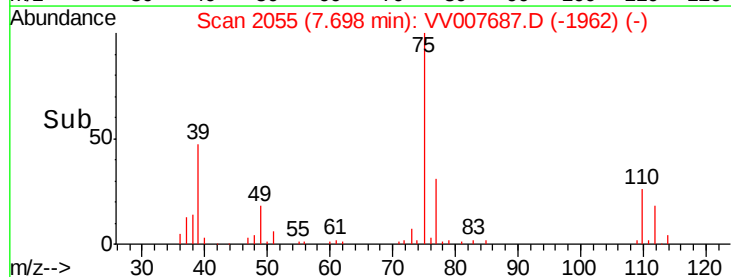
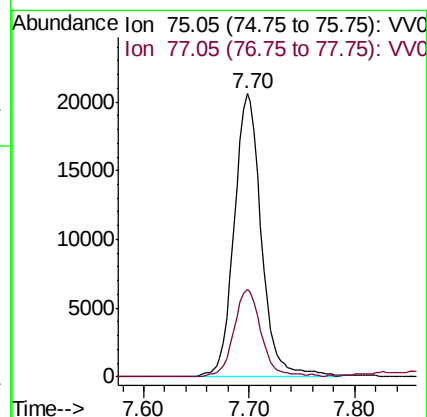
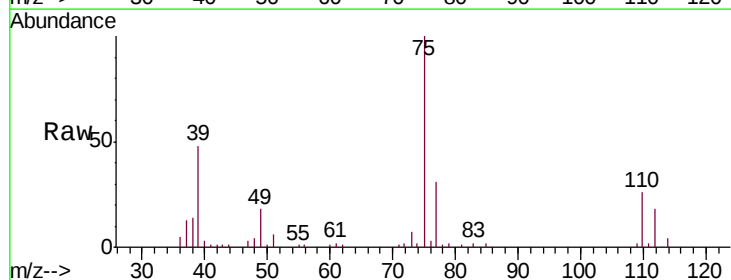
Acq: 21 Sep 2018 09:36

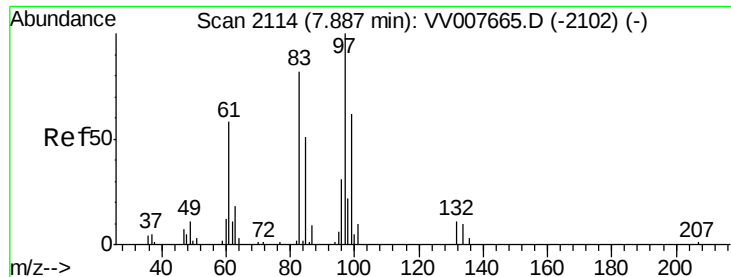
Tgt Ion: 75 Resp: 36821

Ion Ratio Lower Upper

75 100

77 31.1 22.5 41.7

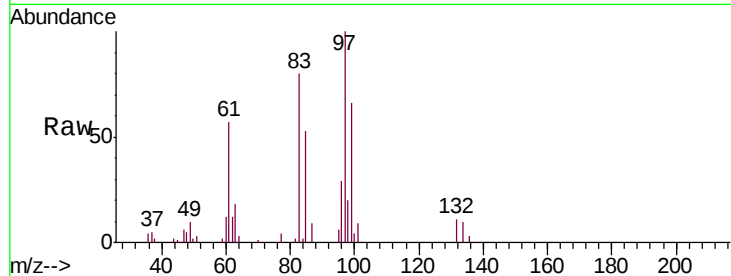




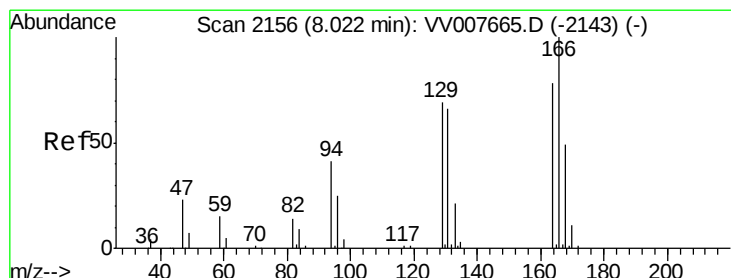
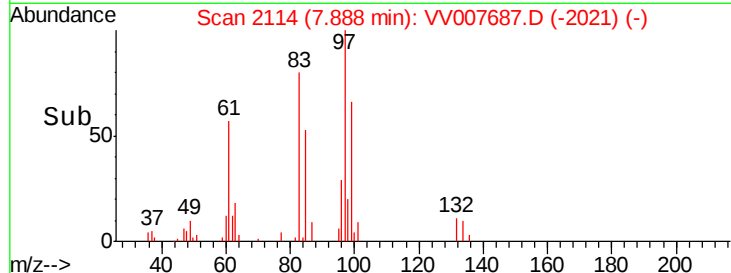
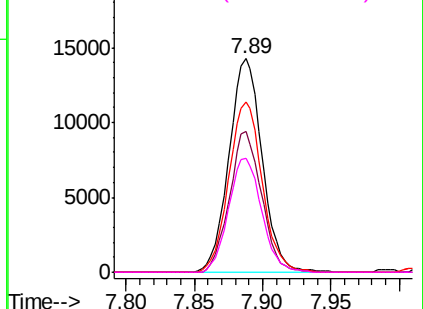
#45
 1,1,2-Trichloroethane
 Concen: 4.992 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV007687.D
 Acq: 21 Sep 2018 09:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00575

Tgt Ion:	97	Resp:	24152
Ion	Ratio	Lower	Upper
97	100		
99	65.9	46.0	85.4
83	79.9	57.3	106.3
85	53.1	38.4	71.4

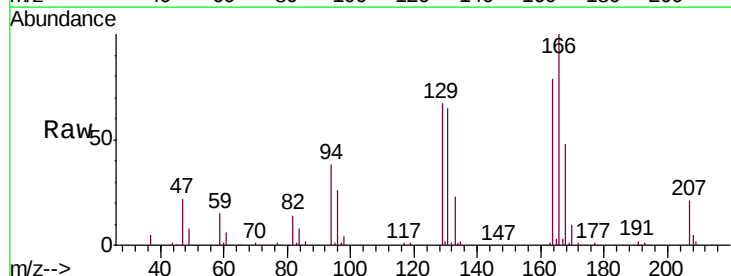


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

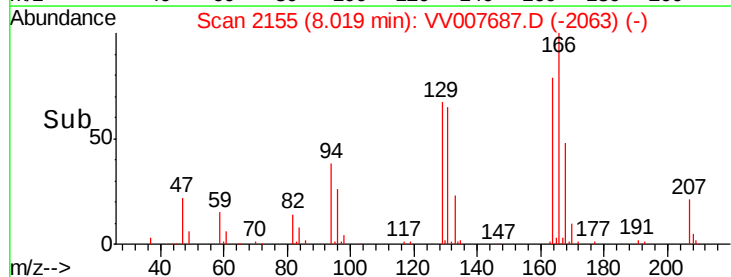
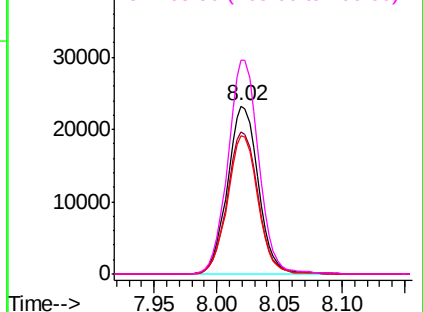


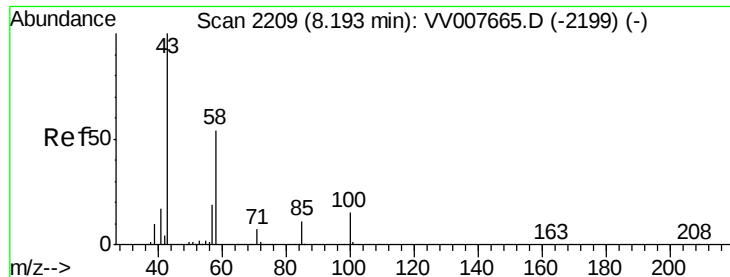
#47
 Tetrachloroethene
 Concen: 5.277 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV007687.D
 Acq: 21 Sep 2018 09:36

Tgt Ion:	164	Resp:	39708
Ion	Ratio	Lower	Upper
164	100		
129	84.8	61.5	114.3
131	82.2	60.9	113.1
166	127.0	88.8	165.0



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

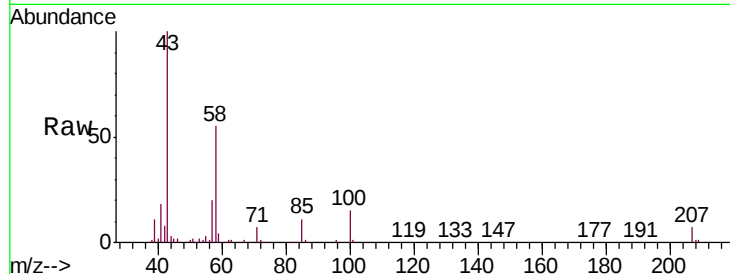




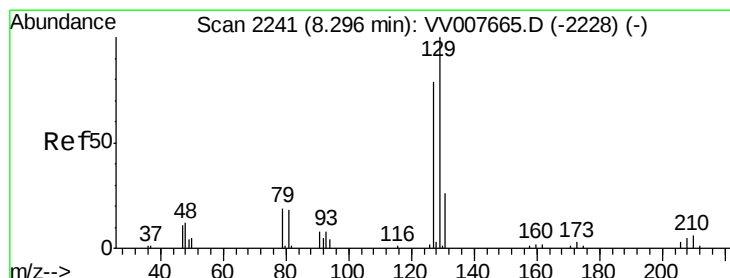
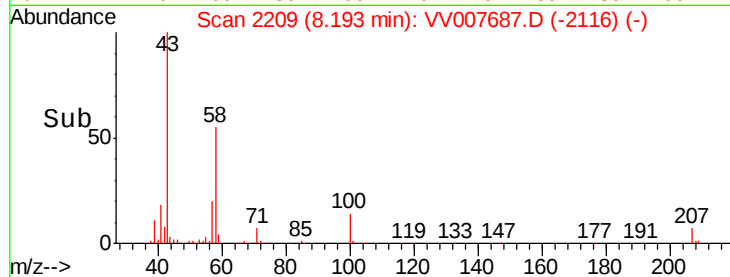
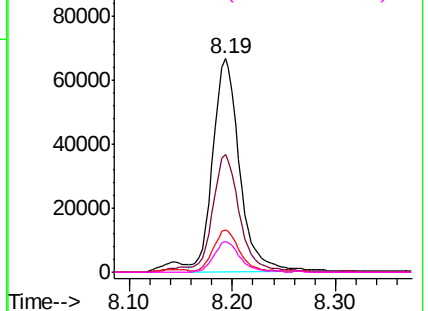
#48
2-Hexanone
Concen: 49.558 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VV007687.D
Acq: 21 Sep 2018 09:36

Instrument :
MSVOA_V
ClientSampleId :
VSTD00575

Tgt Ion: 43 Resp: 119359
Ion Ratio Lower Upper
43 100
58 58.3 45.3 67.9
57 19.4 16.6 24.8
100 14.3 11.4 17.0

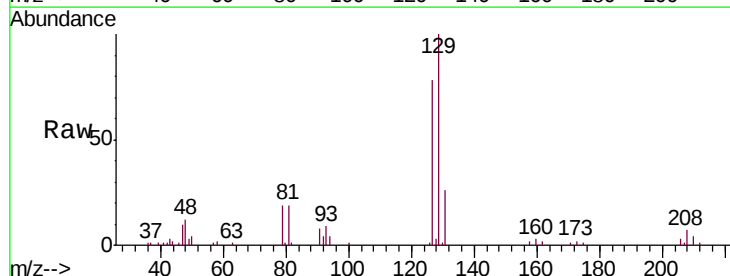


Abundance Ion 43.05 (42.75 to 43.75): VV007687.D (-2116) (-)
Ion 58.05 (57.75 to 58.75): VV007687.D (-2116) (-)
Ion 57.20 (56.90 to 57.90): VV007687.D (-2116) (-)
Ion 100.15 (99.85 to 100.85): VV007687.D (-2116) (-)

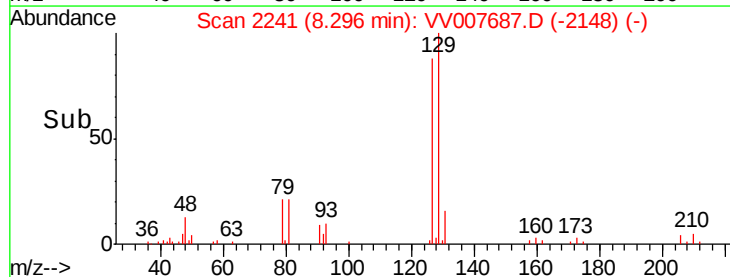
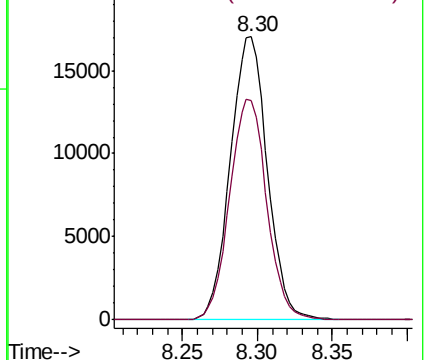


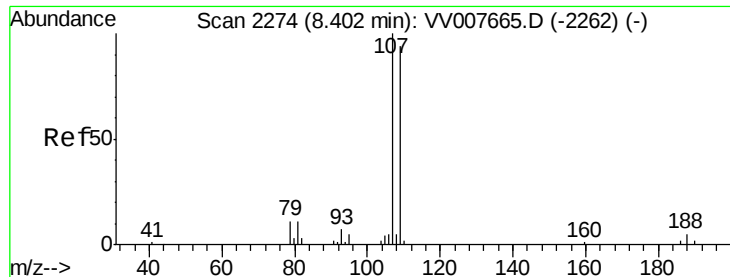
#49
Dibromochloromethane
Concen: 4.880 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV007687.D
Acq: 21 Sep 2018 09:36

Tgt Ion: 129 Resp: 29390
Ion Ratio Lower Upper
129 100
127 77.5 54.9 102.1



Abundance Ion 128.95 (128.65 to 129.65): VV007687.D (-2148) (-)
Ion 126.90 (126.60 to 127.60): VV007687.D (-2148) (-)

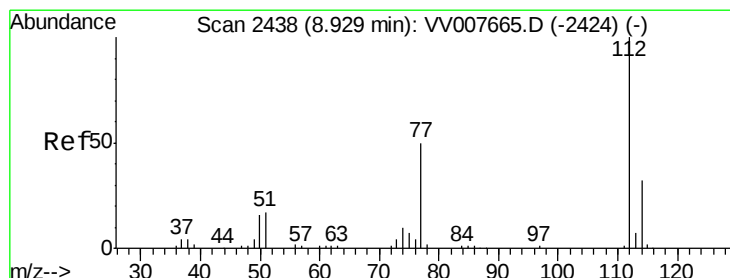
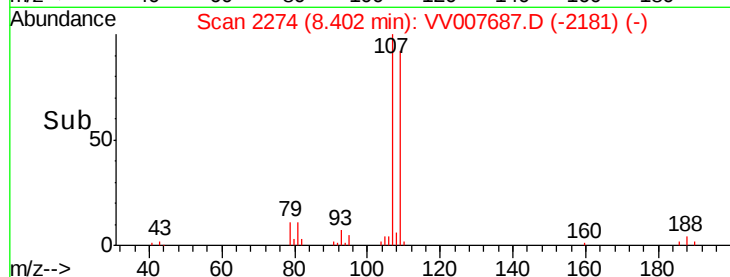
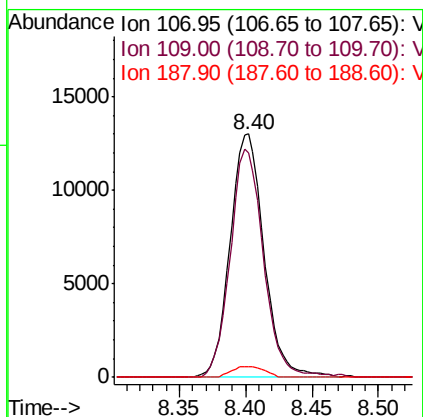
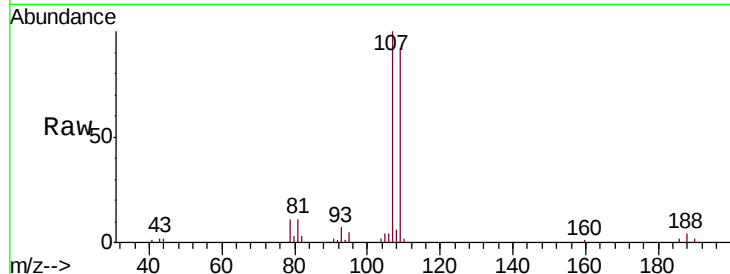




#50
 1,2-Dibromoethane
 Concen: 5.044 ug/L
 RT: 8.40 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VV007687.D
 Acq: 21 Sep 2018 09:36

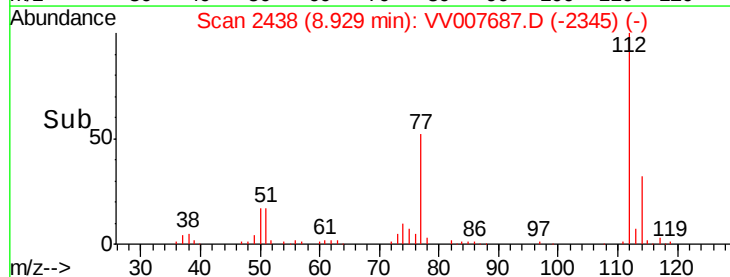
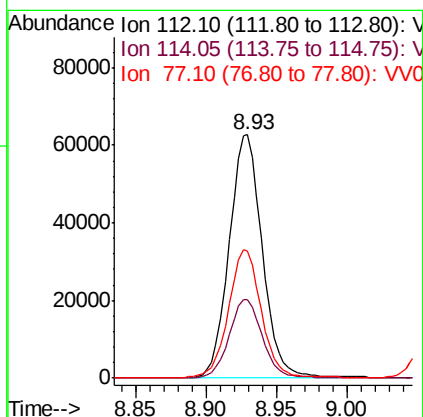
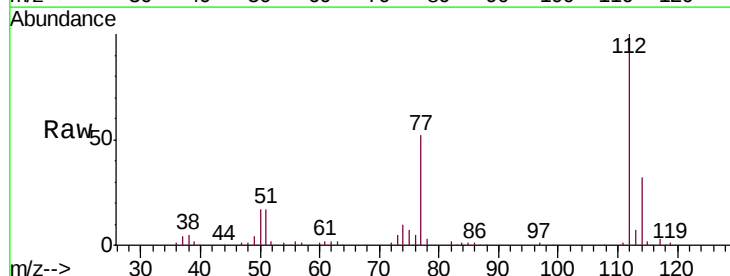
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00575

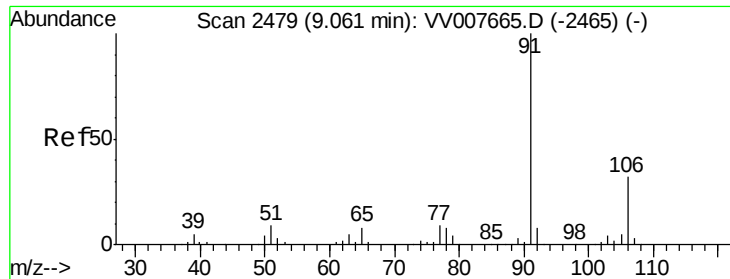
Tgt Ion:107 Resp: 23138
 Ion Ratio Lower Upper
 107 100
 109 92.2 68.0 126.4
 188 4.4 3.5 5.3



#51
 Chlorobenzene
 Concen: 5.015 ug/L
 RT: 8.93 min Scan# 2438
 Delta R.T. 0.00 min
 Lab File: VV007687.D
 Acq: 21 Sep 2018 09:36

Tgt Ion:112 Resp: 103101
 Ion Ratio Lower Upper
 112 100
 114 32.1 21.5 39.9
 77 52.2 40.8 61.2





#52

Ethylbenzene

Concen: 5.065 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV007687.D

Acq: 21 Sep 2018 09:36

Instrument :

MSVOA_V

ClientSampleId :

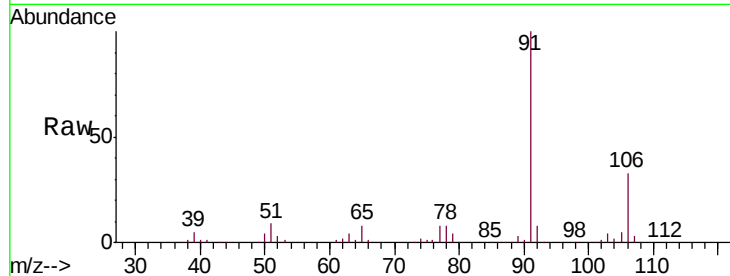
VSTD00575

Tgt Ion: 91 Resp: 169753

Ion Ratio Lower Upper

91 100

106 32.7 22.1 41.1



Abundance Ion 91.15 (90.85 to 91.85): VV007665.D (-2465) (-)

Ion 106.15 (105.85 to 106.85): VV007665.D (-2465) (-)

9.06

106

80000

60000

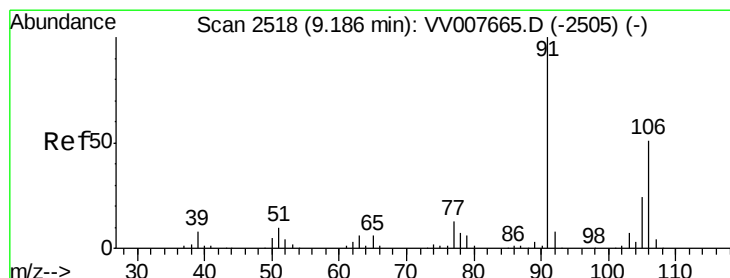
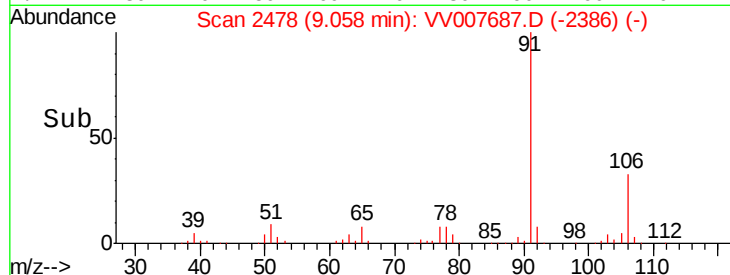
40000

20000

0

9.00 9.05 9.10 9.15

Time-->



#53

m,p-xylene

Concen: 5.181 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV007687.D

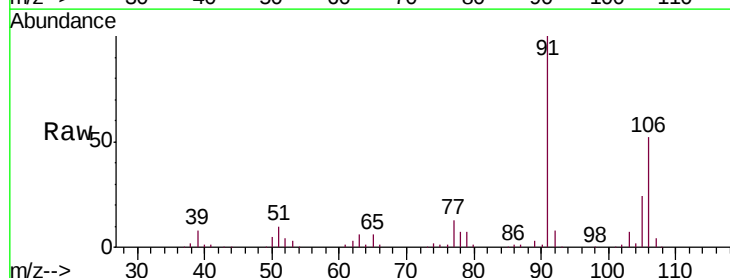
Acq: 21 Sep 2018 09:36

Tgt Ion: 106 Resp: 68259

Ion Ratio Lower Upper

106 100

91 190.7 140.9 261.7



Abundance Ion 106.15 (105.85 to 106.85): VV007665.D (-2505) (-)

Ion 91.15 (90.85 to 91.85): VV007665.D (-2505) (-)

9.18

80000

60000

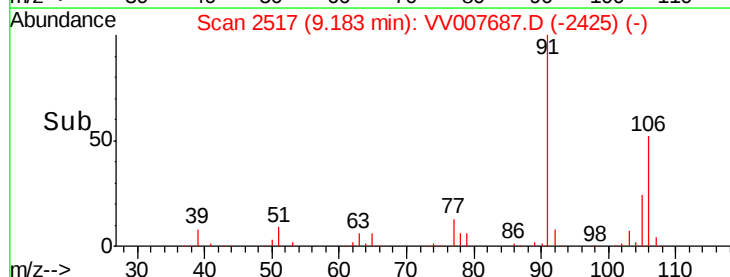
40000

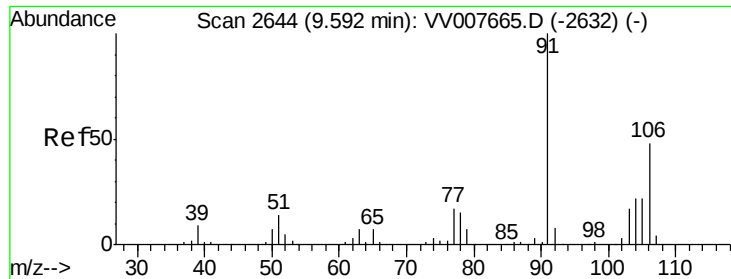
20000

0

9.10 9.15 9.20 9.25

Time-->





#54

o-xylene

Concen: 5.030 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV007687.D

Acq: 21 Sep 2018 09:36

Instrument :

MSVOA_V

ClientSampleId :

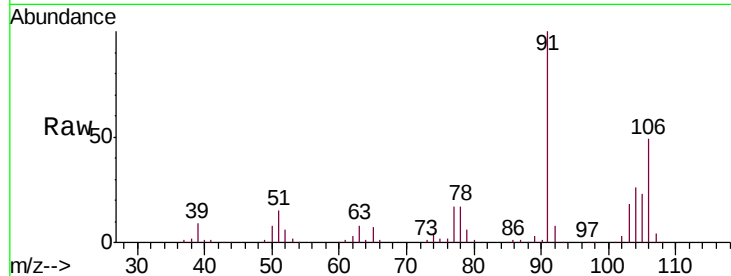
VSTD00575

Tgt Ion:106 Resp: 65215

Ion Ratio Lower Upper

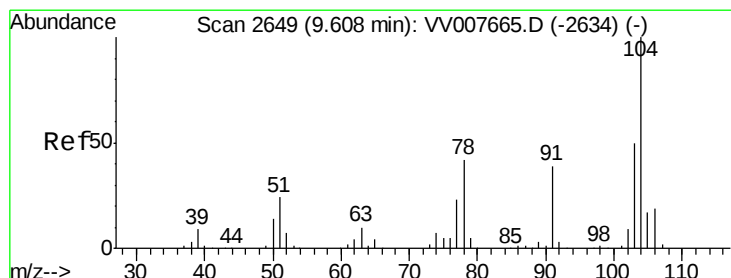
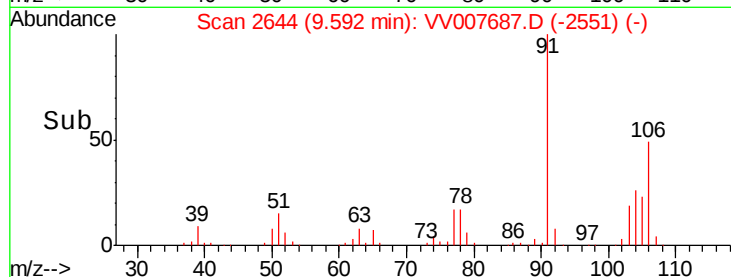
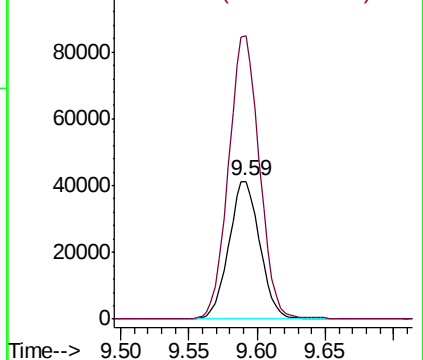
106 100

91 205.6 143.3 266.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.041 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV007687.D

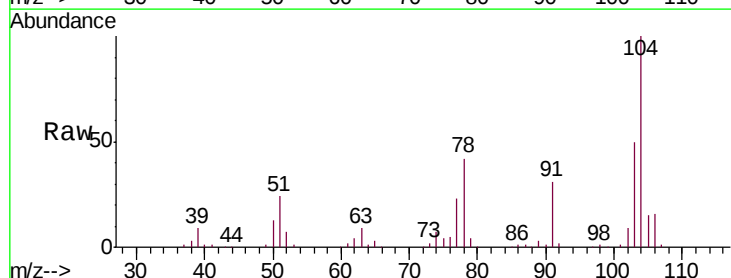
Acq: 21 Sep 2018 09:36

Tgt Ion:104 Resp: 106816

Ion Ratio Lower Upper

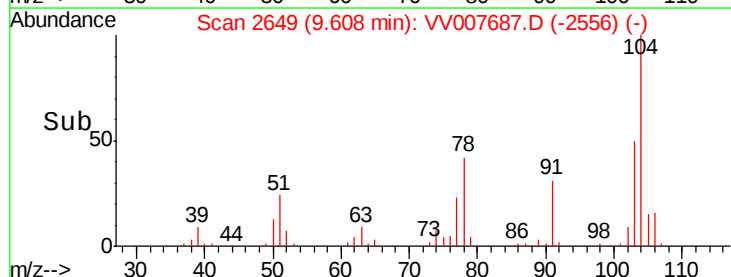
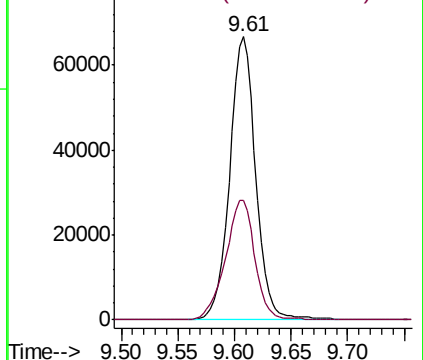
104 100

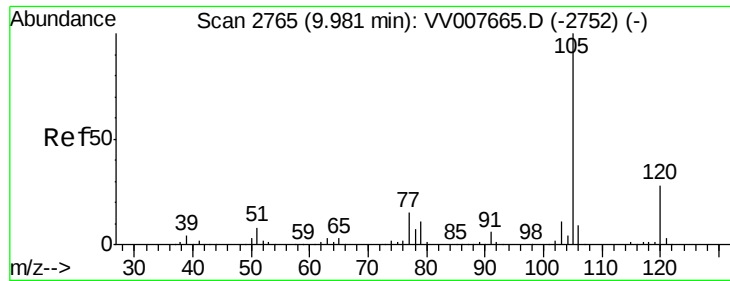
78 42.3 29.0 53.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.089 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV007687.D

Acq: 21 Sep 2018 09:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD00575

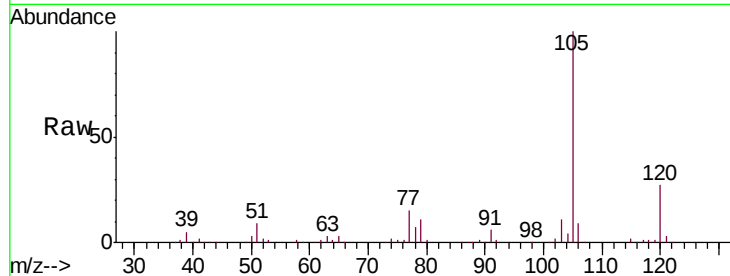
Tgt Ion: 105 Resp: 179496

Ion Ratio Lower Upper

105 100

120 27.2 22.4 33.6

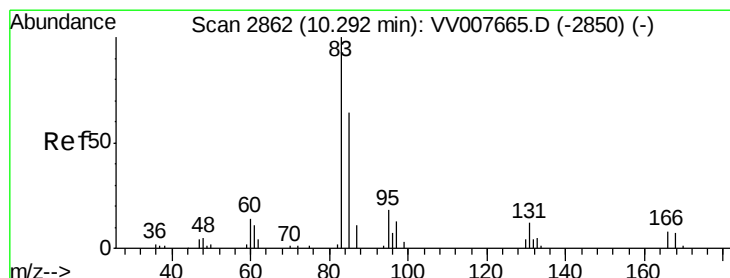
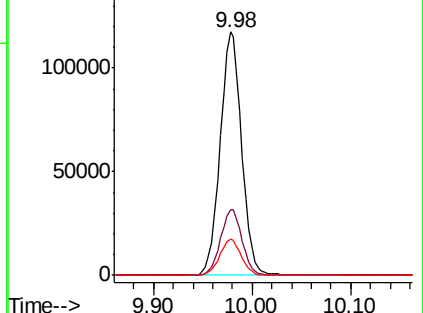
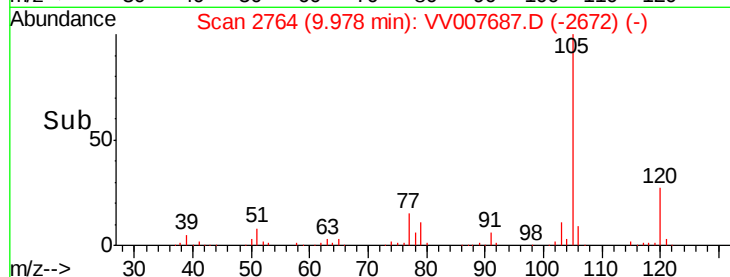
77 14.7 11.8 17.6



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: 4.891 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV007687.D

Acq: 21 Sep 2018 09:36

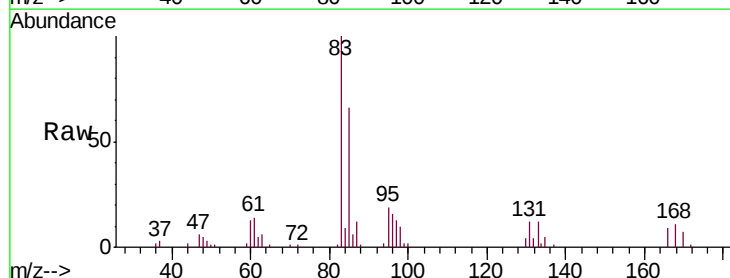
Tgt Ion: 83 Resp: 27008

Ion Ratio Lower Upper

83 100

85 65.8 45.8 85.2

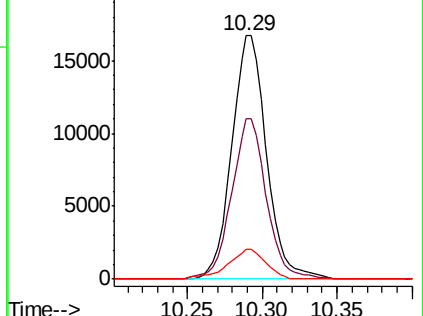
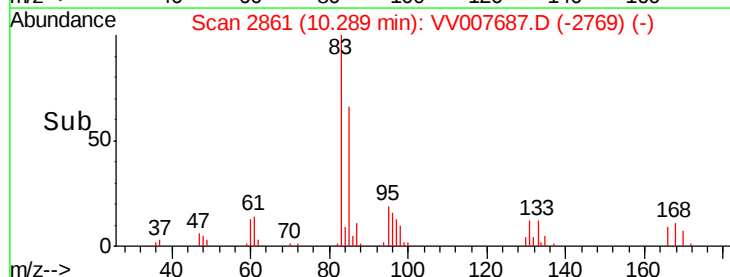
131 12.1 9.4 14.0

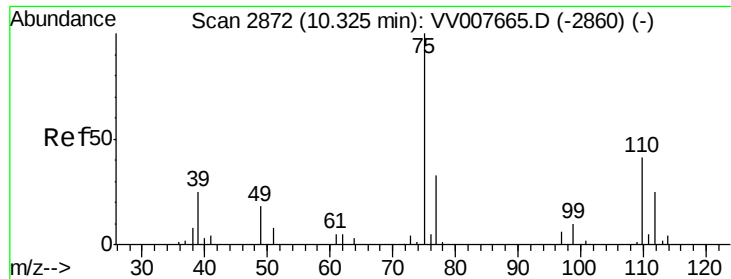


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

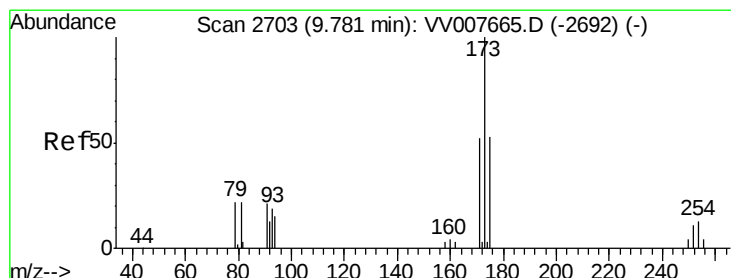
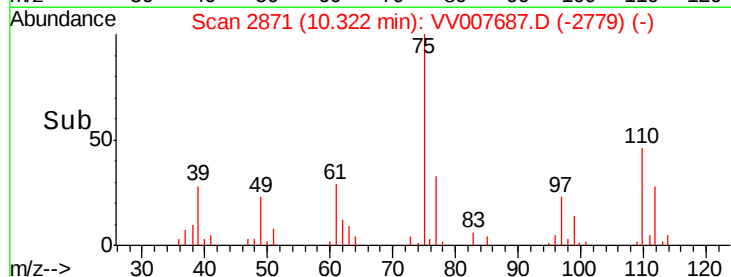
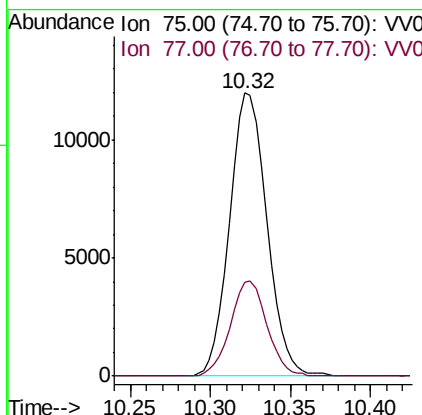
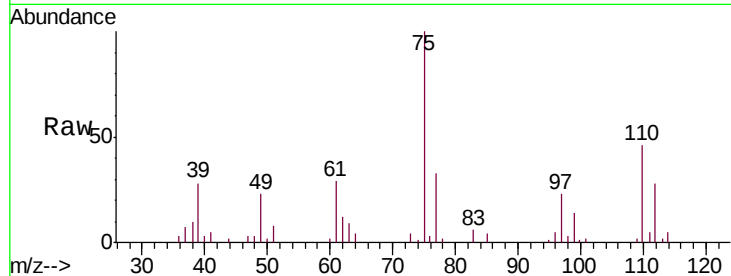




#59
 1,2,3-Trichloropropane
 Concen: 4.948 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV007687.D
 Acq: 21 Sep 2018 09:36

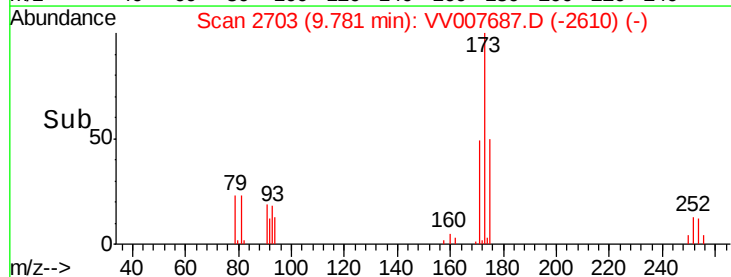
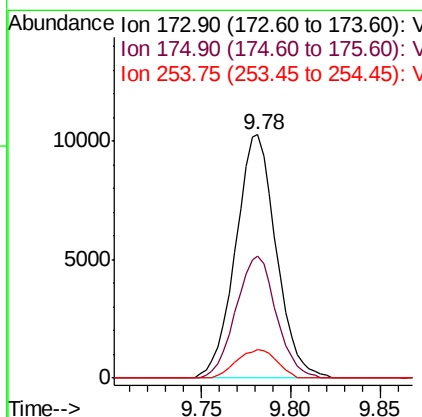
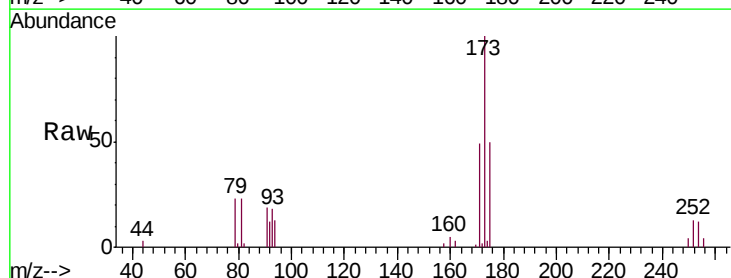
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00575

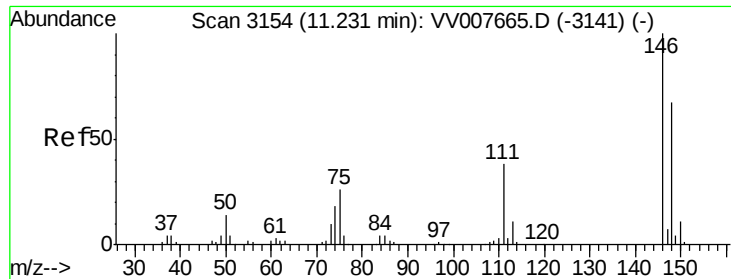
Tgt Ion: 75 Resp: 19062
 Ion Ratio Lower Upper
 75 100
 77 32.9 26.5 39.7



#61
 Bromoform
 Concen: 4.573 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. 0.00 min
 Lab File: VV007687.D
 Acq: 21 Sep 2018 09:36

Tgt Ion: 173 Resp: 16315
 Ion Ratio Lower Upper
 173 100
 175 50.0 37.5 56.3
 254 11.6 8.5 12.7





#62

1,3-Dichlorobenzene

Concen: 5.049 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV007687.D

Acq: 21 Sep 2018 09:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD00575

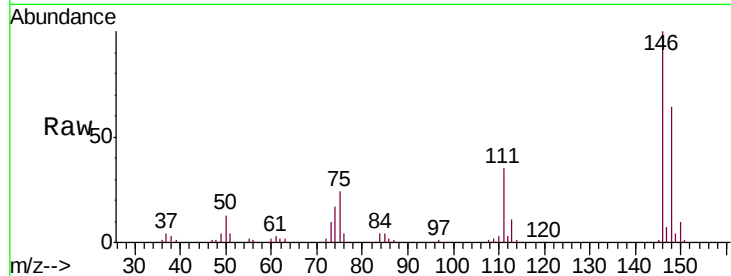
Tgt Ion:146 Resp: 92737

Ion Ratio Lower Upper

146 100

111 34.8 24.7 45.9

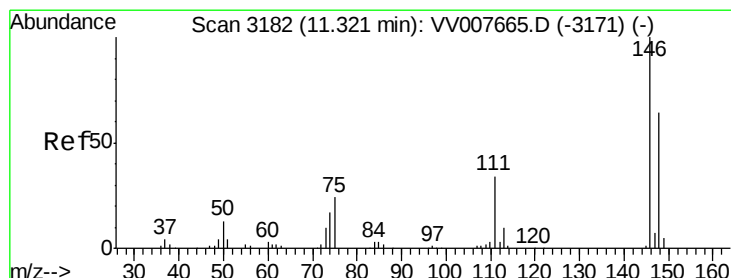
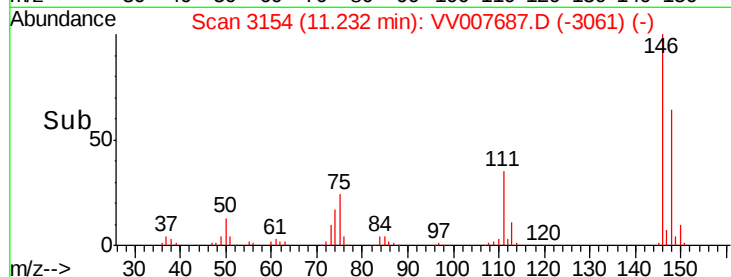
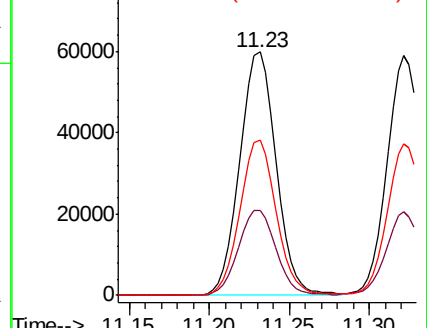
148 64.0 46.1 85.7



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: 5.067 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV007687.D

Acq: 21 Sep 2018 09:36

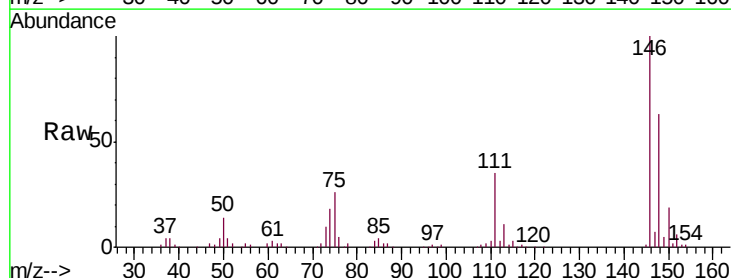
Tgt Ion:146 Resp: 93581

Ion Ratio Lower Upper

146 100

111 34.8 24.3 45.1

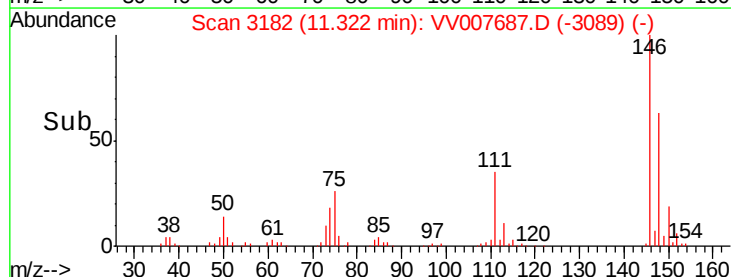
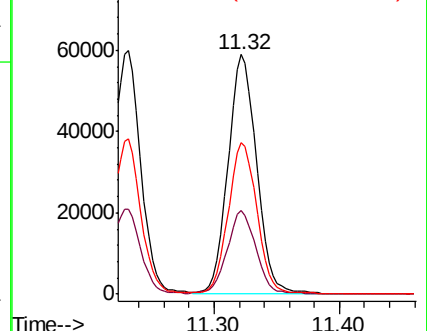
148 63.2 45.7 84.9

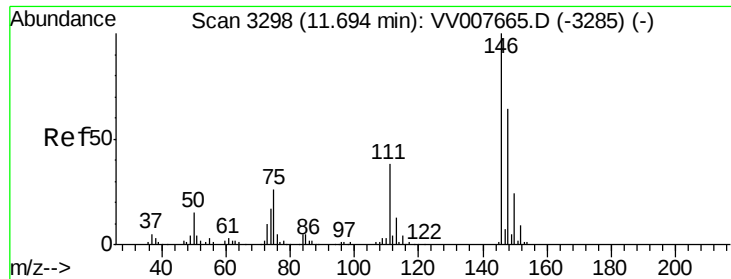


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.994 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV007687.D

Acq: 21 Sep 2018 09:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD00575

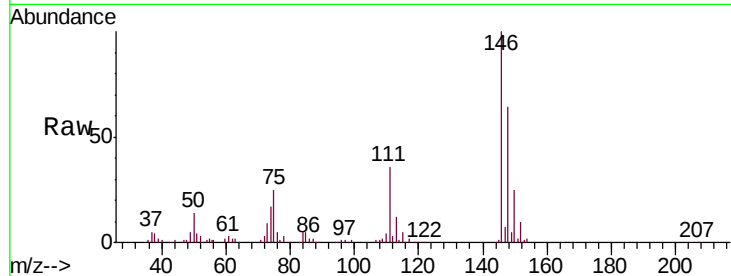
Tgt Ion:146 Resp: 86287

Ion Ratio Lower Upper

146 100

111 35.7 30.0 45.0

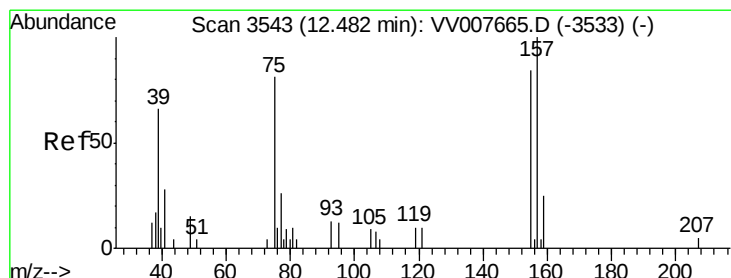
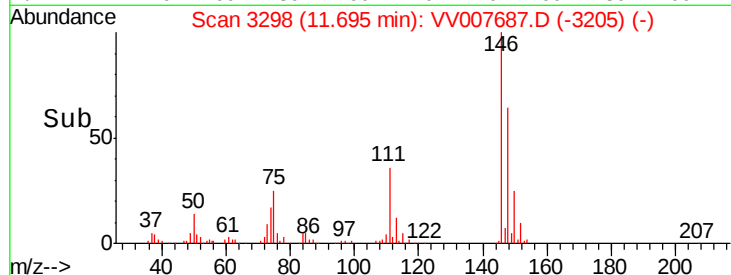
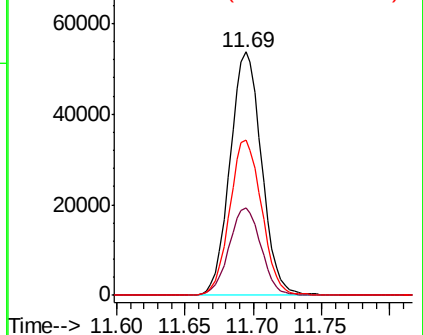
148 63.7 51.5 77.3



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



#66

1,2-Dibromo-3-chloropropane

Concen: 4.697 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. 0.00 min

Lab File: VV007687.D

Acq: 21 Sep 2018 09:36

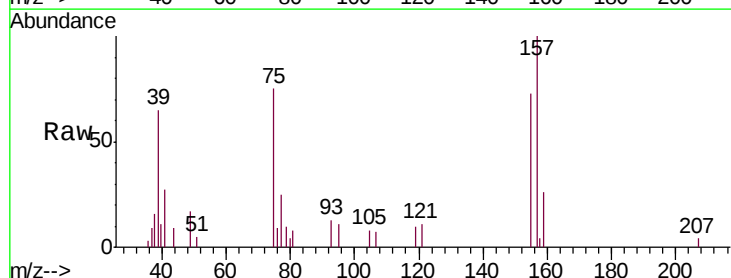
Tgt Ion: 75 Resp: 3691

Ion Ratio Lower Upper

75 100

155 97.7 84.6 127.0

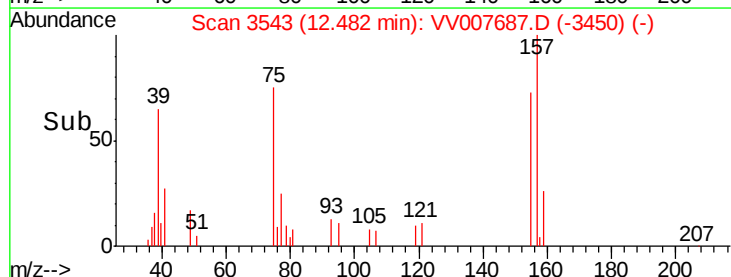
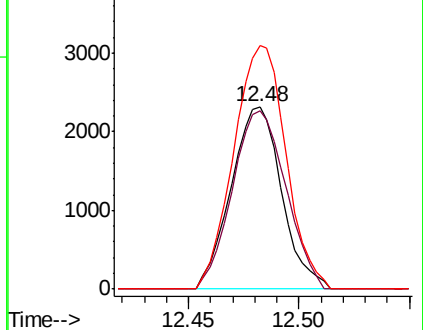
157 133.5 116.8 175.2

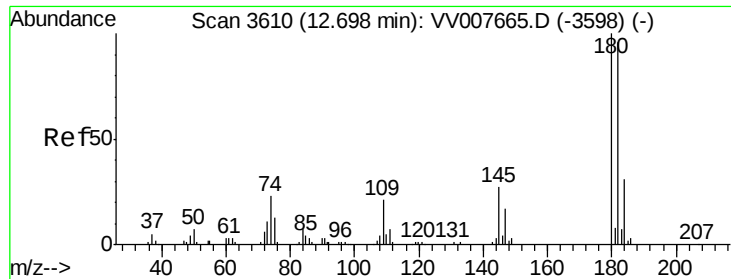


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

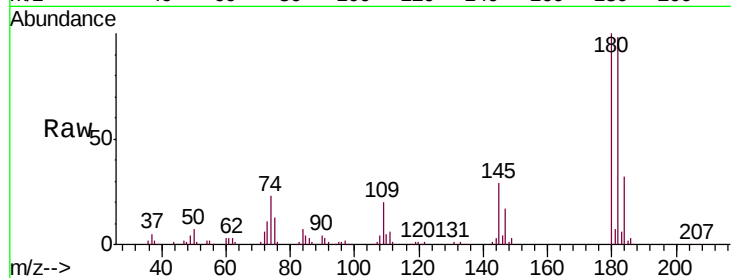




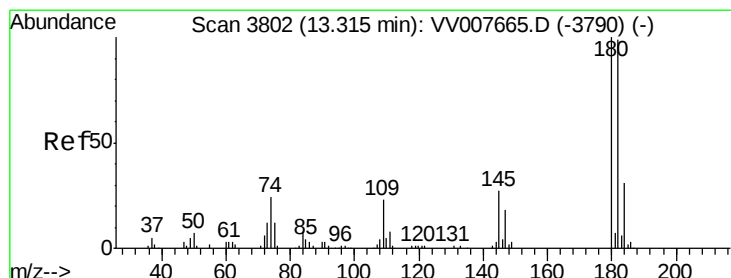
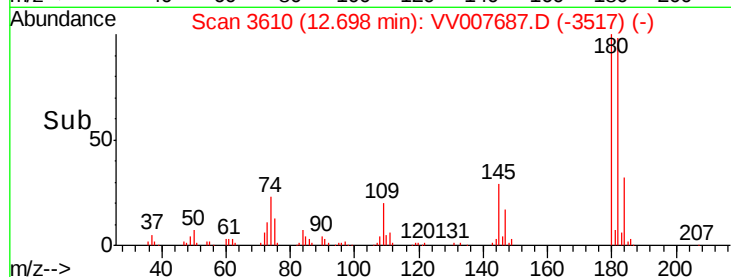
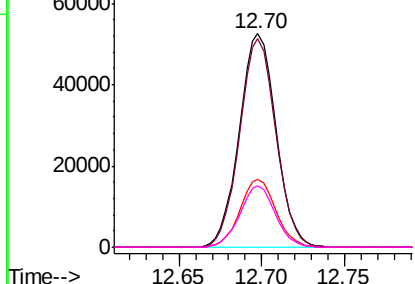
#67
 1,3,5-Trichlorobenzene
 Concen: 5.081 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV007687.D
 Acq: 21 Sep 2018 09:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00575

Tgt Ion:	180	Resp:	80859
Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.8	113.8
184	31.2	24.5	36.7
145	27.7	21.4	32.2

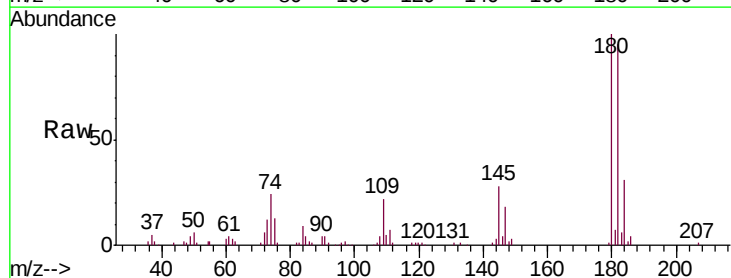


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

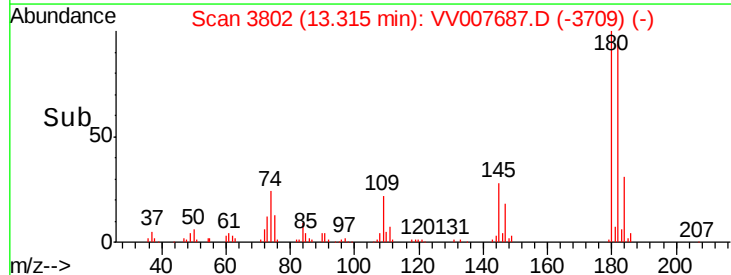
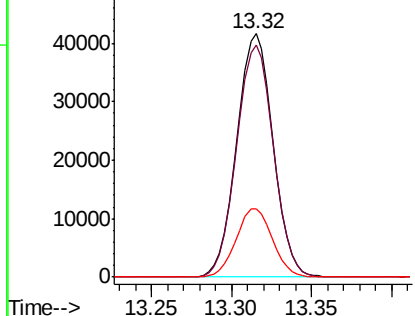


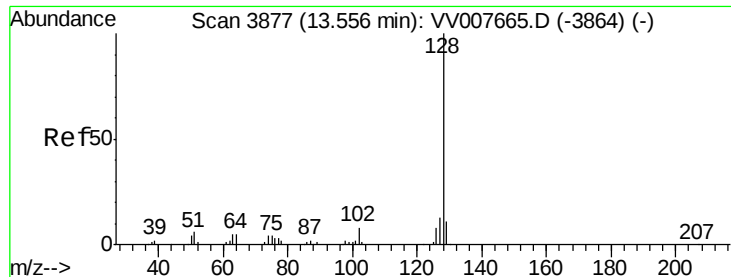
#68
 1,2,4-trichlorobenzene
 Concen: 4.957 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV007687.D
 Acq: 21 Sep 2018 09:36

Tgt Ion:	180	Resp:	64332
Ion	Ratio	Lower	Upper
180	100		
182	96.6	77.8	116.6
145	28.1	23.0	34.4



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: 4.419 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV007687.D

Acq: 21 Sep 2018 09:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD00575

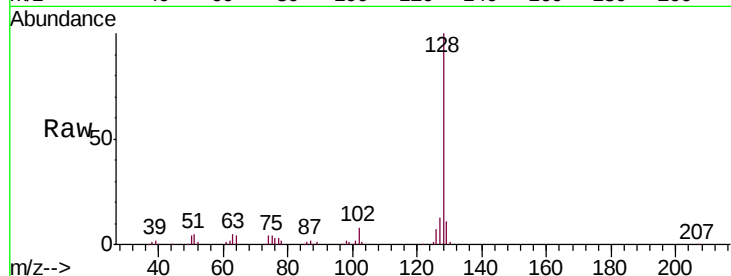
Tgt Ion:128 Resp: 85678

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

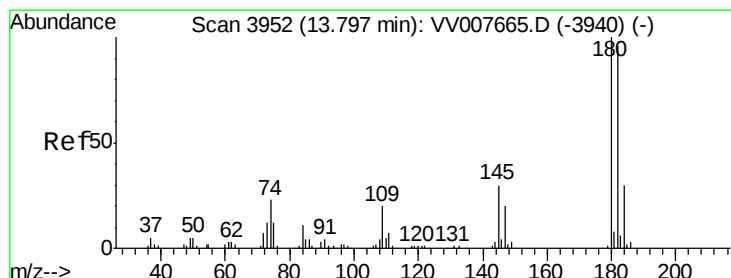
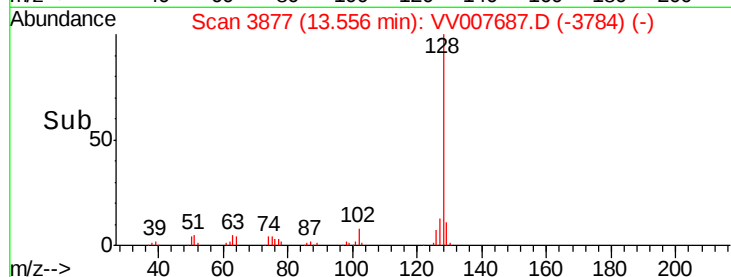
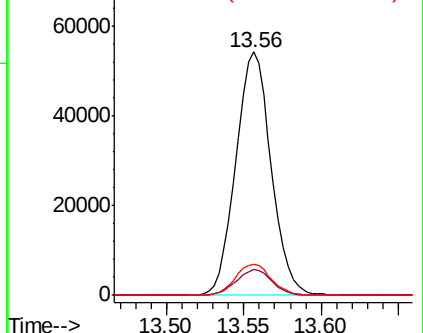
127 13.0 10.2 15.2



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: 4.915 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV007687.D

Acq: 21 Sep 2018 09:36

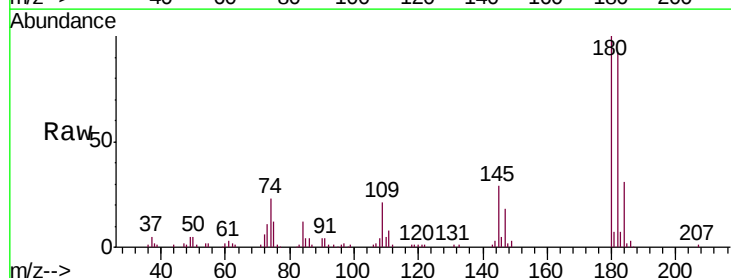
Tgt Ion:180 Resp: 58732

Ion Ratio Lower Upper

180 100

182 94.1 79.7 119.5

145 28.9 23.9 35.9



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

