

Data File : VV007627.D
Acq On : 19 Sep 2018 02:52
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

Quant Time: Sep 19 04:08:09 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091818WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 19 01:47:19 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	113185	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	103151	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	58487	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	26187	4.85	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.00%
7) Chloroethane-d5	1.58	69	24031	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.40%
11) 1,1-Dichloroethene-d2	2.14	63	65672	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.60%
20) 2-Butanone-d5	3.97	46	57596	77.42	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	154.84%#
24) Chloroform-d	4.41	84	57543	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
26) 1,2-Dichloroethane-d4	5.09	65	28903	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.40%
32) Benzene-d6	5.10	84	111144	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
36) 1,2-Dichloropropane-d6	6.13	67	32136	5.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.60%
41) Toluene-d8	7.36	98	115798	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
43) trans-1,3-Dichloropropene-	7.67	79	13089	4.70	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.00%
46) 2-Hexanone-d5	8.14	63	32143	65.12	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	130.24%#
57) 1,1,2,2-Tetrachloroethane-	10.27	84	21351	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	50020	4.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	46050	4.950 ug/L	97
3) Chloromethane	1.25	50	33781	4.919 ug/L	99
5) Vinyl chloride	1.32	62	39803	5.108 ug/L	97
6) Bromomethane	1.54	94	29437	5.105 ug/L	97
8) Chloroethane	1.60	64	25930	5.431 ug/L	99
9) Trichlorofluoromethane	1.77	101	80889	5.163 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	44682	5.154 ug/L	99
12) 1,1-Dichloroethene	2.15	96	39933	5.057 ug/L	92
13) Acetone	2.20	43	37160	58.656 ug/L	92
14) Carbon disulfide	2.32	76	108835	4.716 ug/L	100
15) Methyl Acetate	2.47	43	11372	6.147 ug/L	95
16) Methylene chloride	2.54	84	40012	4.797 ug/L	96
17) Methyl tert-butyl Ether	2.82	73	93124	5.418 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	42759	5.030 ug/L	100
19) 1,1-Dichloroethane	3.23	63	56932	5.175 ug/L	99
21) 2-Butanone	4.05	43	69863	70.844 ug/L	97
22) cis-1,2-Dichloroethene	3.97	96	38700	5.030 ug/L	93

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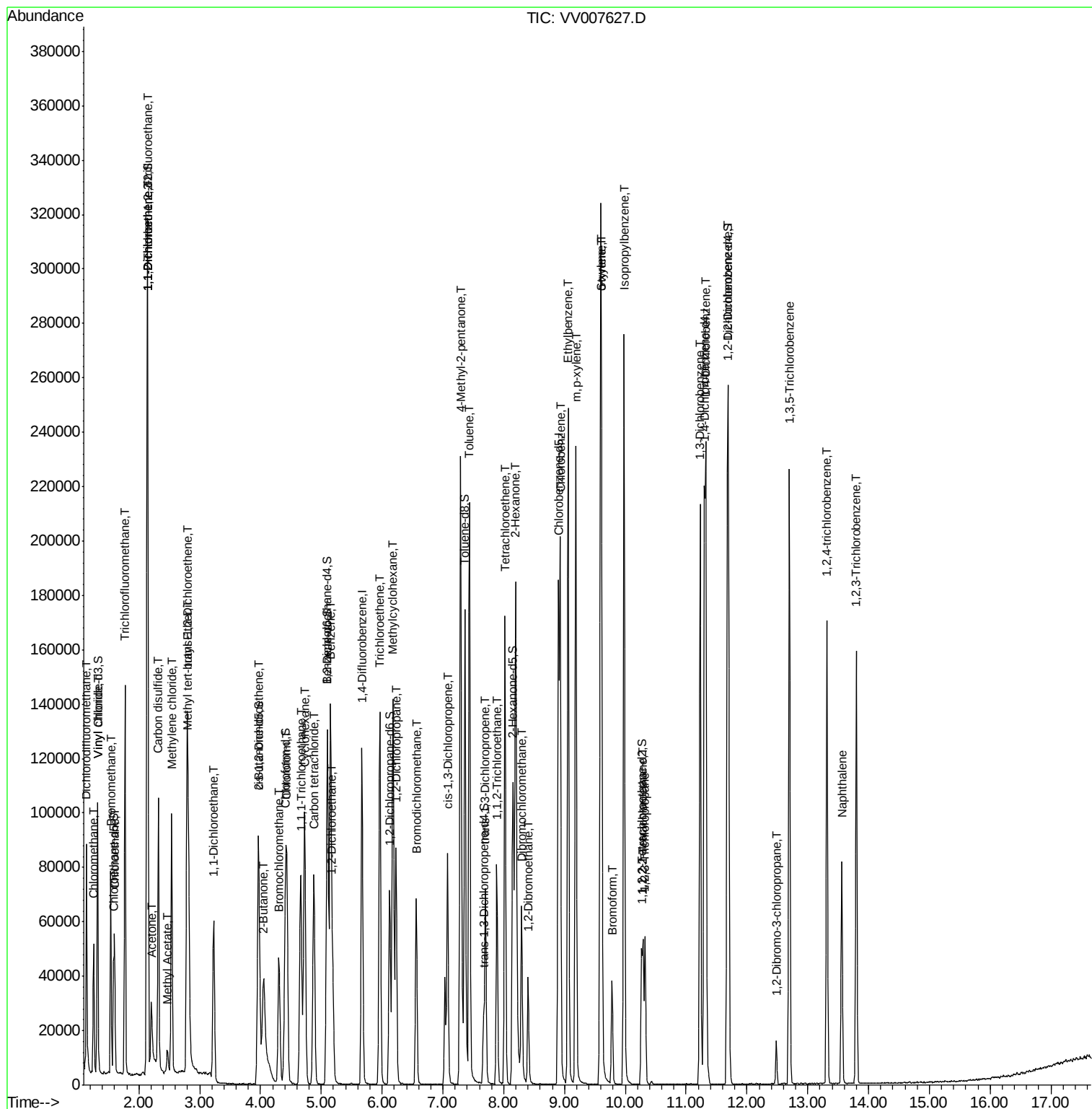
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	17973	5.149	ug/L	98
25) Chloroform	4.43	83	66011	5.070	ug/L	98
27) 1,2-Dichloroethane	5.19	62	39173	5.267	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	60604	5.037	ug/L	99
30) Cyclohexane	4.73	56	51776	4.943	ug/L	98
31) Carbon tetrachloride	4.88	117	56436	5.015	ug/L	100
33) Benzene	5.15	78	138598	5.248	ug/L	100
34) Trichloroethene	5.96	95	43547	4.956	ug/L	99
35) Methylcyclohexane	6.18	83	63092	4.946	ug/L	99
37) 1,2-Dichloropropane	6.23	63	31405	5.223	ug/L	100
38) Bromodichloromethane	6.56	83	43949	5.052	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	48181	4.852	ug/L	100
40) 4-Methyl-2-pentanone	7.29	43	179466	50.975	ug/L	100
42) Toluene	7.43	91	156599	5.113	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	37669	4.735	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	25873	5.284	ug/L	95
47) Tetrachloroethene	8.02	164	40144	5.070	ug/L	98
48) 2-Hexanone	8.20	43	129327	47.662	ug/L	98
49) Dibromochloromethane	8.30	129	31458	4.857	ug/L	98
50) 1,2-Dibromoethane	8.40	107	24674	5.074	ug/L	95
51) Chlorobenzene	8.93	112	107543	5.065	ug/L	100
52) Ethylbenzene	9.06	91	176833	5.076	ug/L	99
53) m,p-xylene	9.19	106	69530	4.963	ug/L	96
54) o-xylene	9.59	106	66702	5.073	ug/L	99
55) Styrene	9.61	104	111202	5.075	ug/L	100
56) Isopropylbenzene	9.98	105	183054	5.016	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	22693	5.111	ug/L	95
59) 1,2,3-Trichloropropane	10.32	75	19699	4.901	ug/L	96
61) Bromoform	9.78	173	17748	4.551	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	94643	4.865	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	93938	4.891	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	87009	4.877	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	3420	4.538	ug/L	95
67) 1,3,5-Trichlorobenzene	12.70	180	75692	4.926	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	56888	5.276	ug/L	99
69) Naphthalene	13.56	128	68359	5.429	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	51782	5.226	ug/L	98

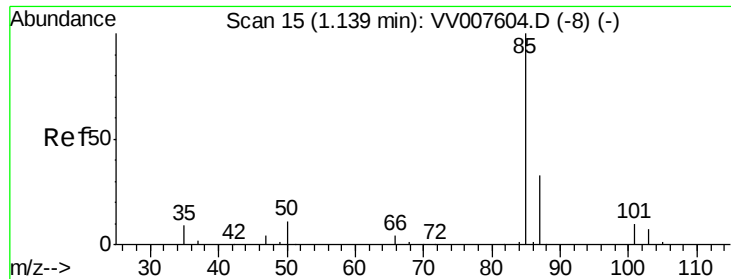
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.950 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV007627.D

Acq: 19 Sep 2018 02:52

Instrument :

MSVOA_V

ClientSampleId :

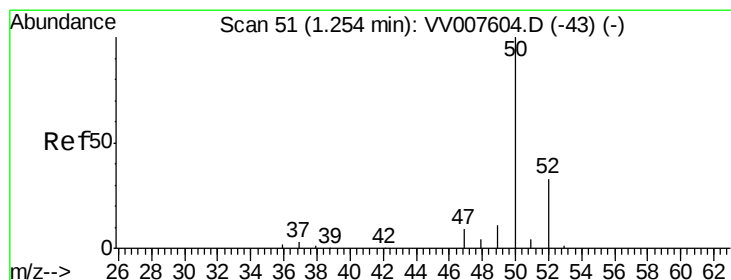
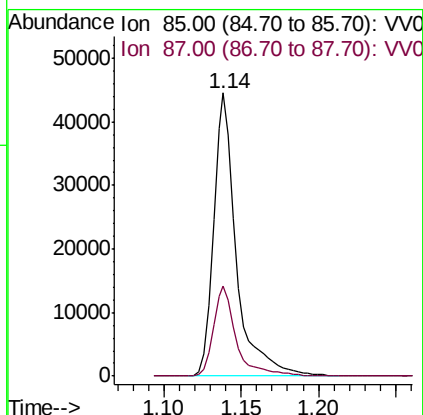
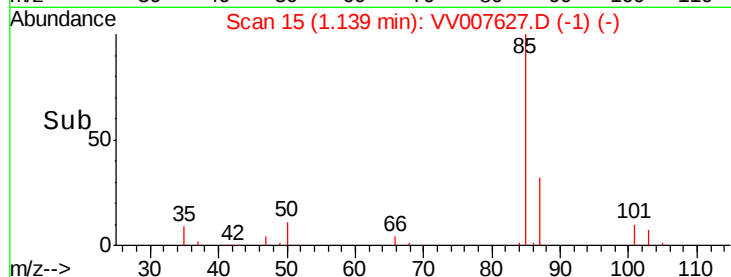
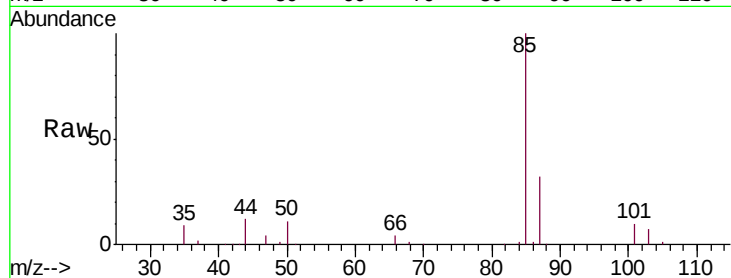
VSTD00568

Tgt Ion: 85 Resp: 46050

Ion Ratio Lower Upper

85 100

87 31.7 26.6 40.0



#3

Chloromethane

Concen: 4.919 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV007627.D

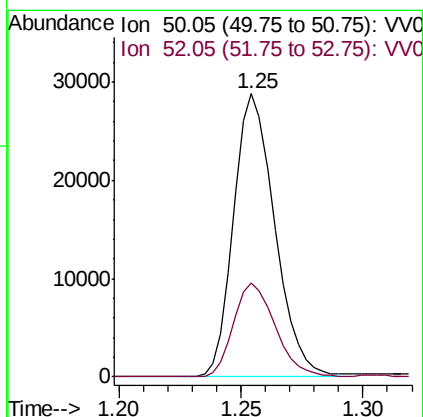
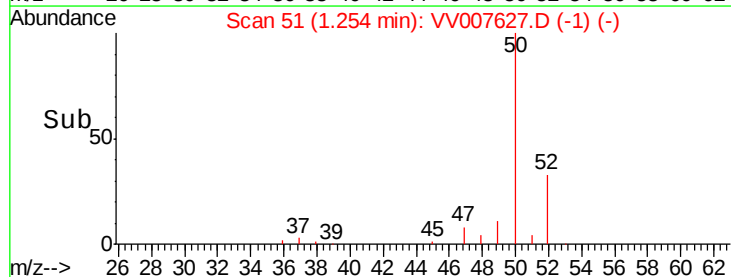
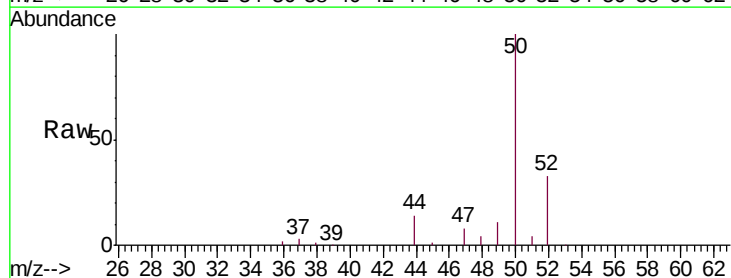
Acq: 19 Sep 2018 02:52

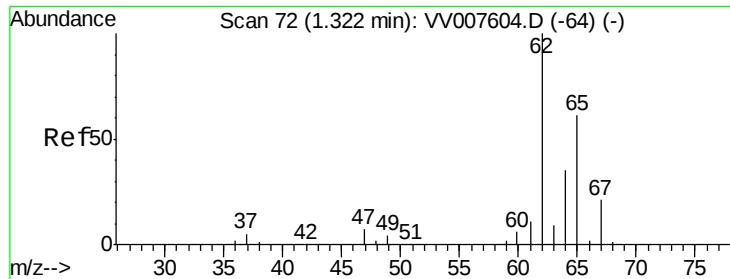
Tgt Ion: 50 Resp: 33781

Ion Ratio Lower Upper

50 100

52 33.2 22.8 42.4





#5

Vinyl chloride

Concen: 5.108 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV007627.D

Acq: 19 Sep 2018 02:52

Instrument :

MSVOA_V

ClientSampleId :

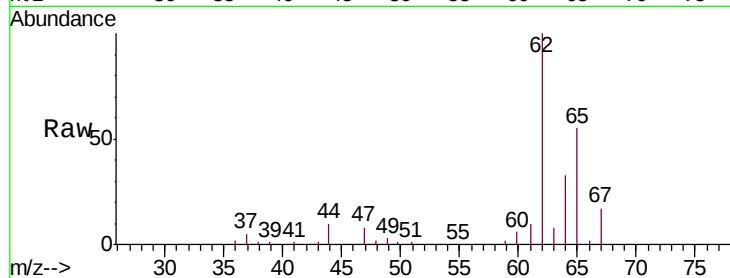
VSTD00568

Tgt Ion: 62 Resp: 39803

Ion Ratio Lower Upper

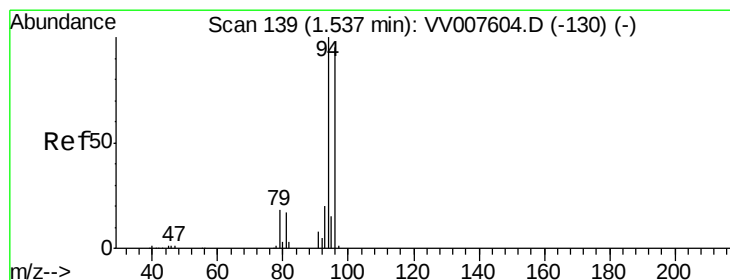
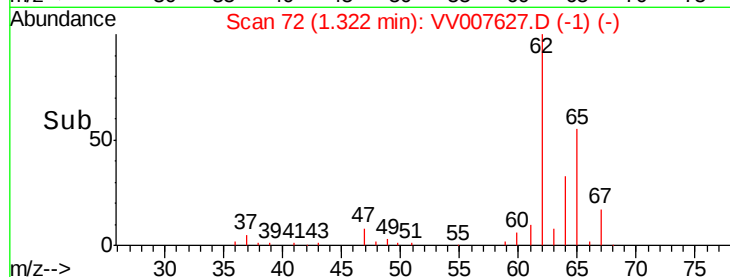
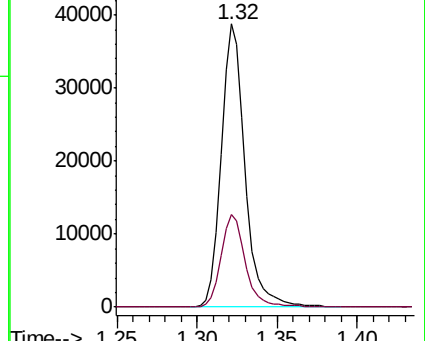
62 100

64 32.9 24.2 45.0



Abundance Ion 62.00 (61.70 to 62.70): VV007604.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV007627.D (-46) (-)



#6

Bromomethane

Concen: 5.105 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV007627.D

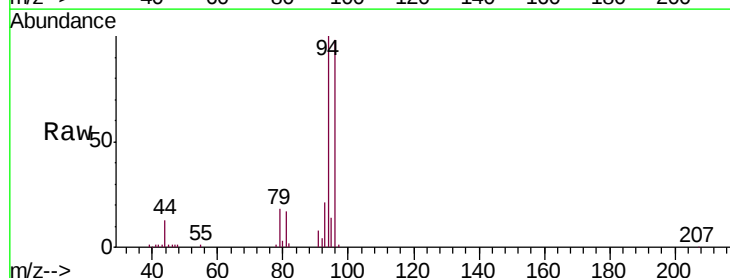
Acq: 19 Sep 2018 02:52

Tgt Ion: 94 Resp: 29437

Ion Ratio Lower Upper

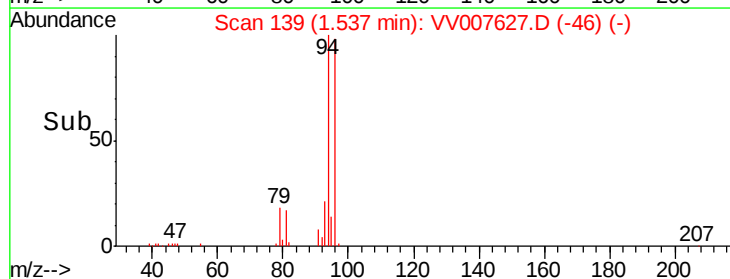
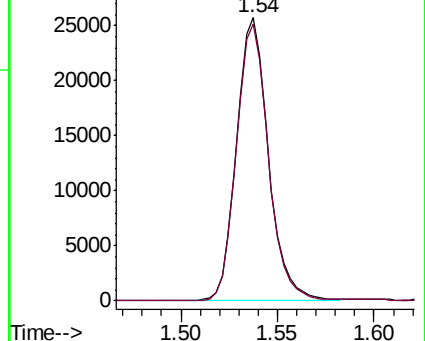
94 100

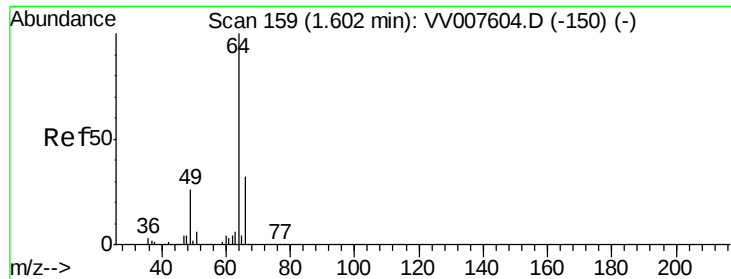
96 97.8 66.6 123.6



Abundance Ion 94.00 (93.70 to 94.70): VV007604.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV007627.D (-46) (-)





#8

Chloroethane

Concen: 5.431 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV007627.D

Acq: 19 Sep 2018 02:52

Instrument :

MSVOA_V

ClientSampleId :

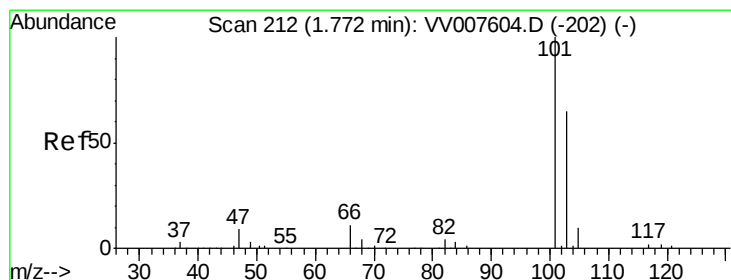
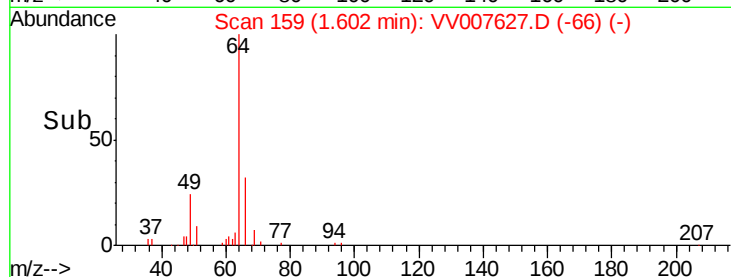
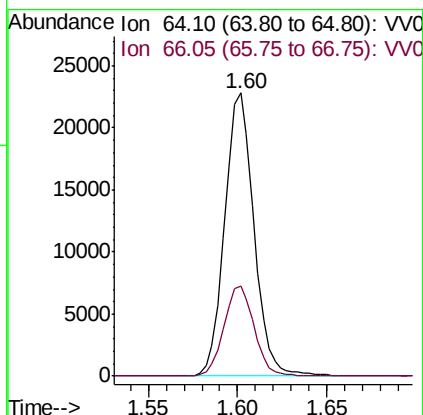
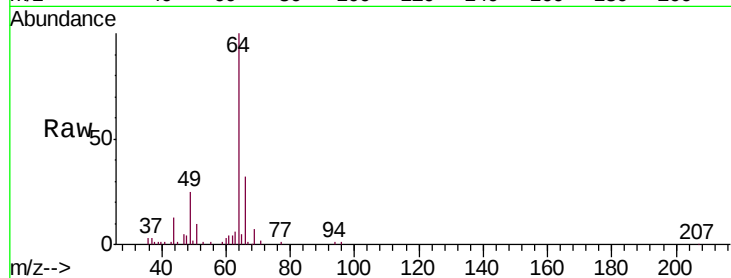
VSTD00568

Tgt Ion: 64 Resp: 25930

Ion Ratio Lower Upper

64 100

66 31.9 22.9 42.5



#9

Trichlorofluoromethane

Concen: 5.163 ug/L

RT: 1.77 min Scan# 212

Delta R.T. -0.00 min

Lab File: VV007627.D

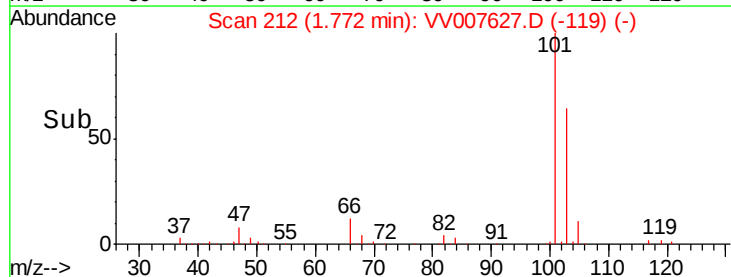
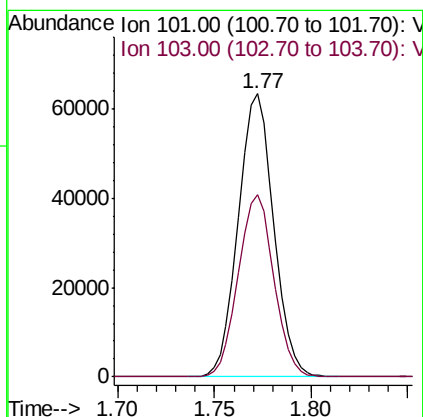
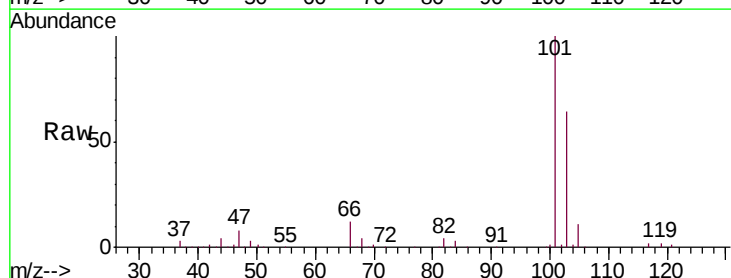
Acq: 19 Sep 2018 02:52

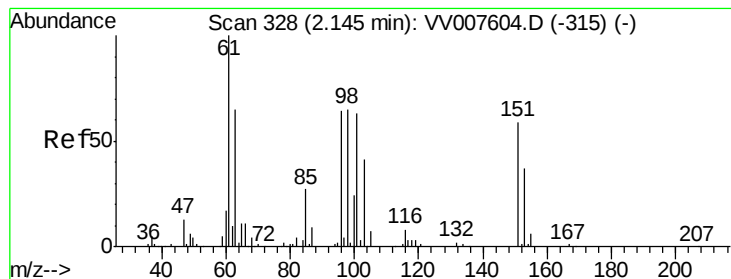
Tgt Ion: 101 Resp: 80889

Ion Ratio Lower Upper

101 100

103 64.9 52.2 78.2





#10

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

Concen: 5.154 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

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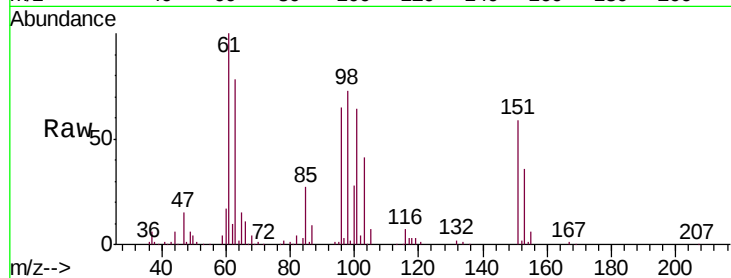
Tgt Ion: 101 Resp: 44682

Ion Ratio Lower Upper

101 100

85 43.1 34.4 51.6

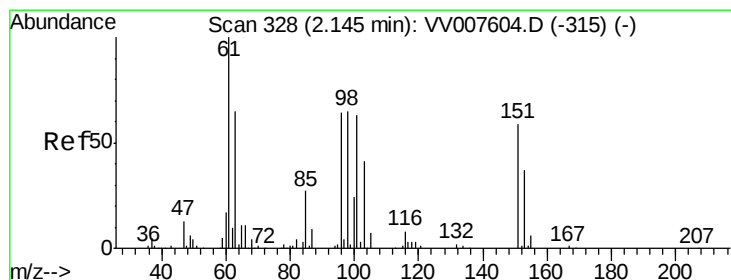
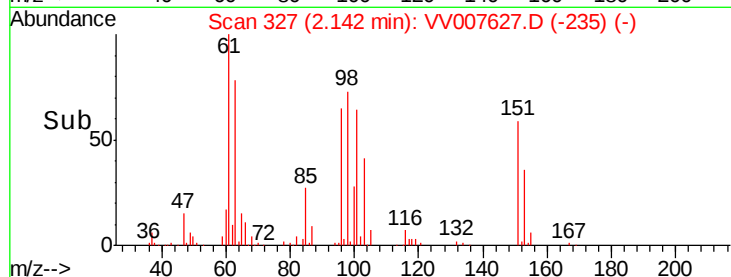
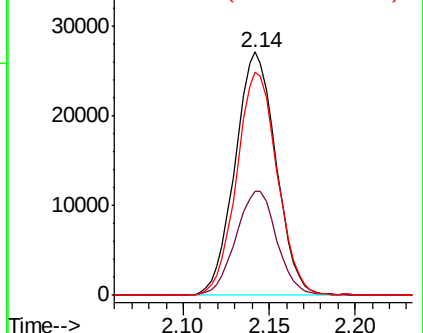
151 91.1 74.1 111.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.057 ug/L

RT: 2.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV007627.D

Acq: 19 Sep 2018 02:52

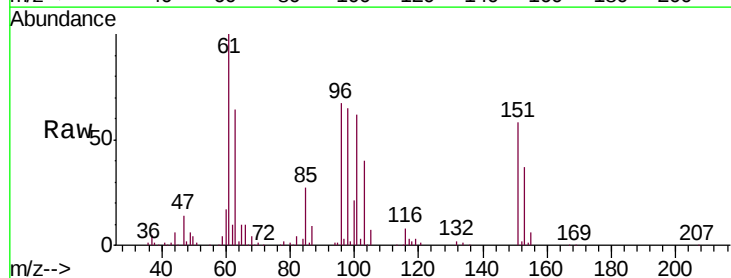
Tgt Ion: 96 Resp: 39933

Ion Ratio Lower Upper

96 100

61 149.9 108.1 200.9

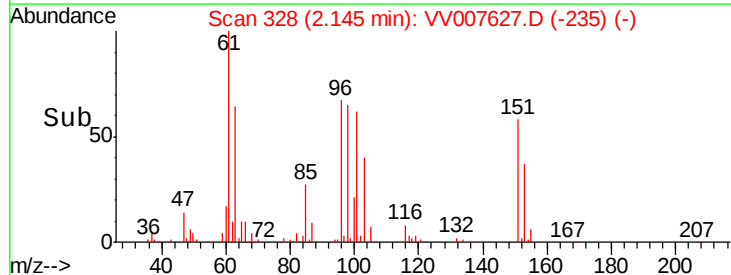
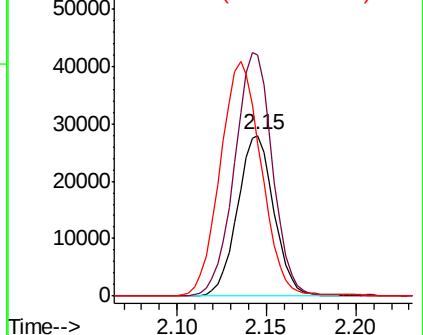
63 95.5 76.9 142.9

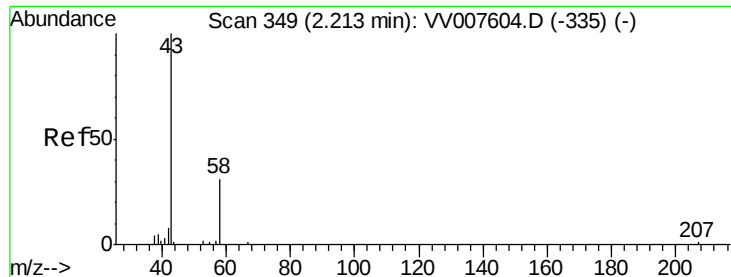


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 58.656 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.01 min

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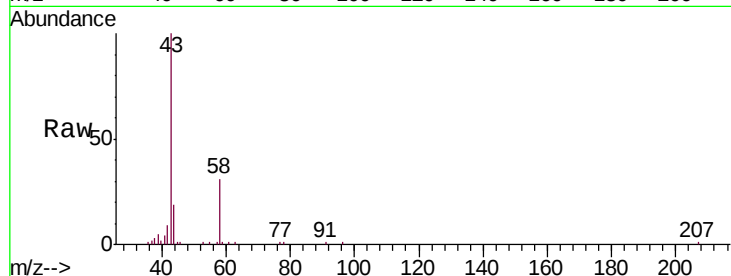
VSTD00568

Tgt Ion: 43 Resp: 37160

Ion Ratio Lower Upper

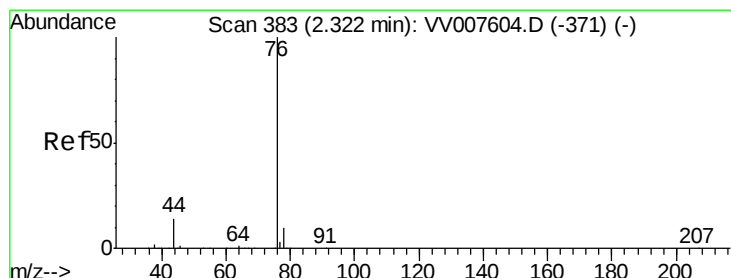
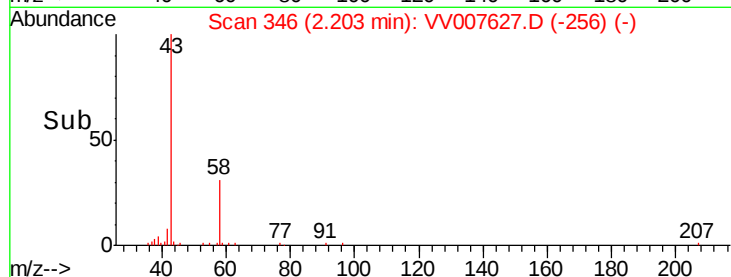
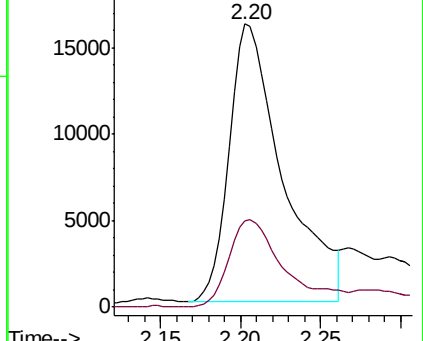
43 100

58 33.0 0.0 57.2



Abundance Ion 43.05 (42.75 to 43.75): VV007604.D (-335) (-)

Ion 58.05 (57.75 to 58.75): VV007604.D (-335) (-)



#14

Carbon disulfide

Concen: 4.716 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV007627.D

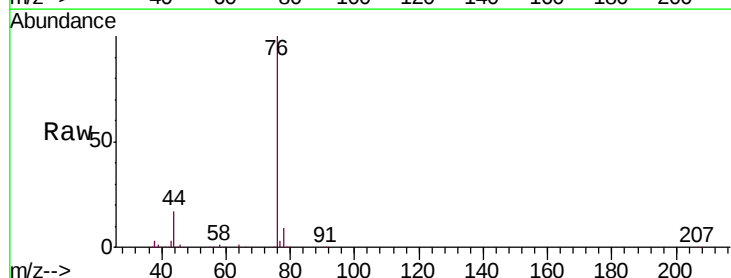
Acq: 19 Sep 2018 02:52

Tgt Ion: 76 Resp: 108835

Ion Ratio Lower Upper

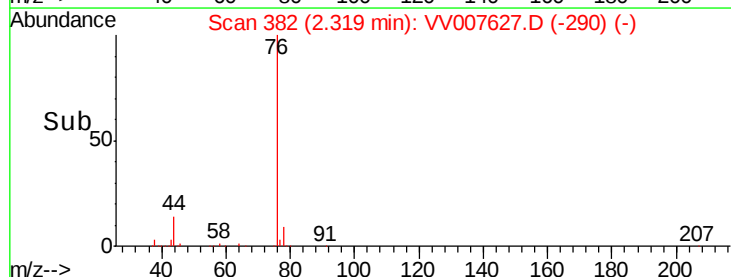
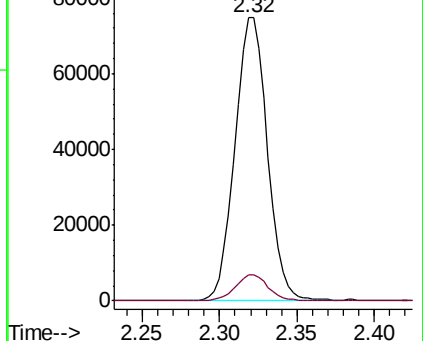
76 100

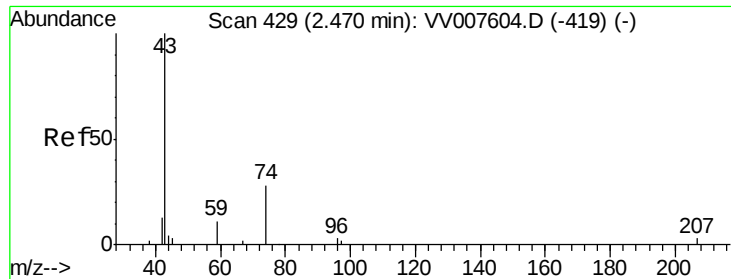
78 9.1 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV007604.D (-371) (-)

Ion 78.00 (77.70 to 78.70): VV007604.D (-371) (-)

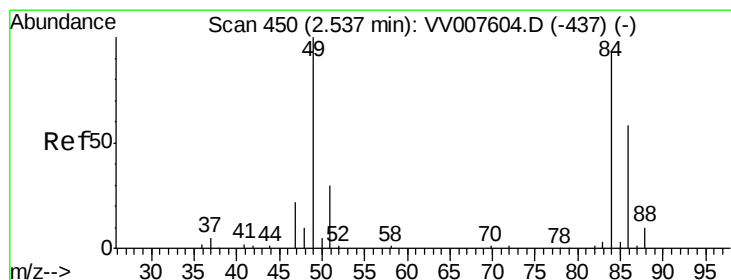
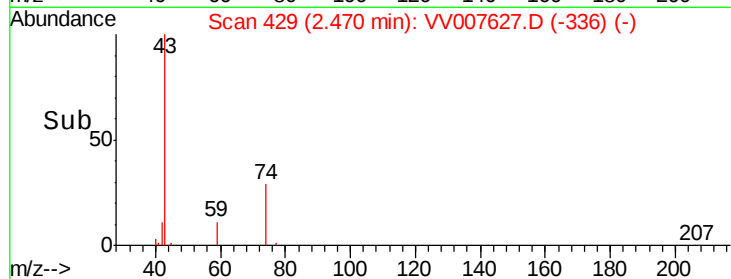
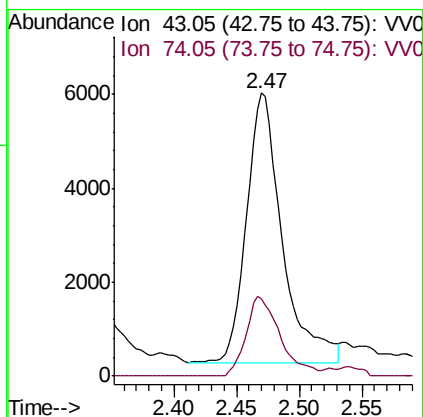
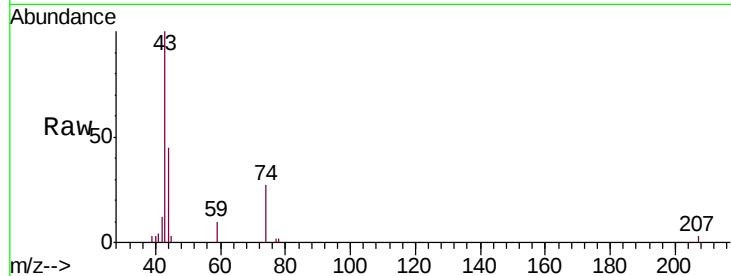




#15
Methyl Acetate
Concen: 6.147 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VV007627.D
Acq: 19 Sep 2018 02:52

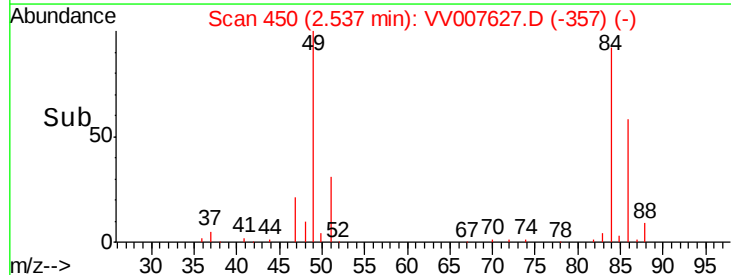
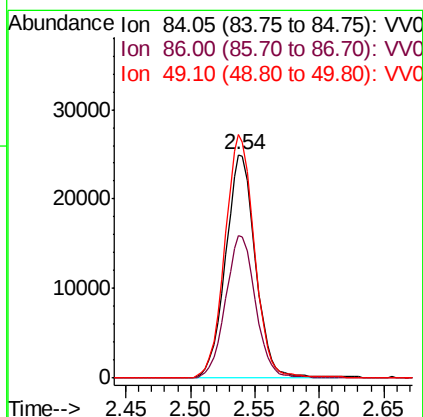
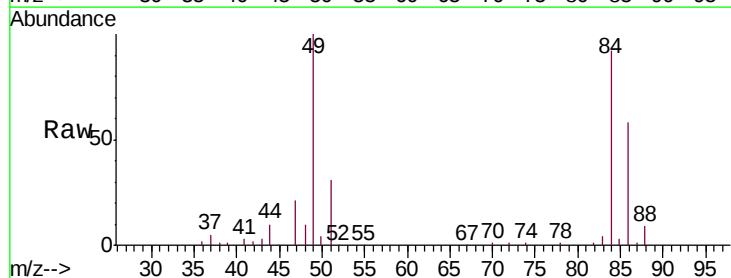
Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

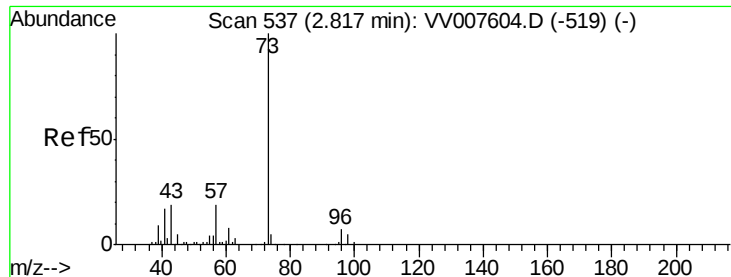
Tgt Ion: 43 Resp: 11372
Ion Ratio Lower Upper
43 100
74 28.4 20.6 31.0



#16
Methylene chloride
Concen: 4.797 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV007627.D
Acq: 19 Sep 2018 02:52

Tgt Ion: 84 Resp: 40012
Ion Ratio Lower Upper
84 100
86 63.7 44.4 82.4
49 109.0 72.3 134.3





#17

Methyl tert-butyl Ether

Concen: 5.418 ug/L

RT: 2.82 min Scan# 537

Delta R.T. -0.00 min

Lab File: VV007627.D

Acq: 19 Sep 2018 02:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD00568

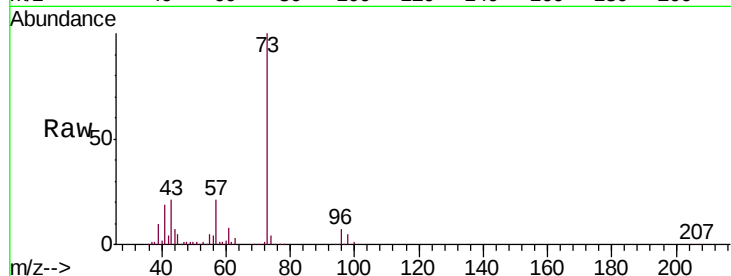
Tgt Ion: 73 Resp: 93124

Ion Ratio Lower Upper

73 100

43 18.4 16.2 24.2

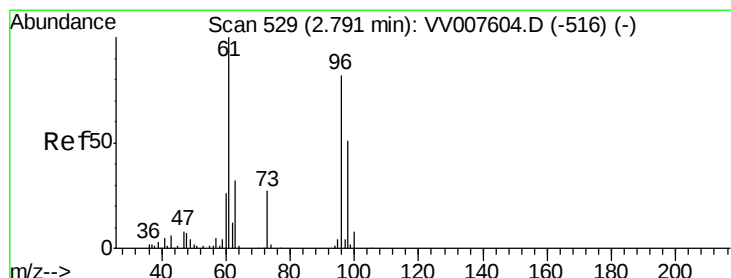
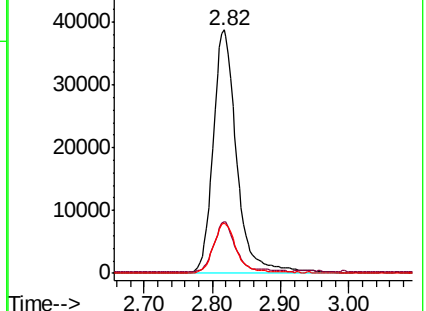
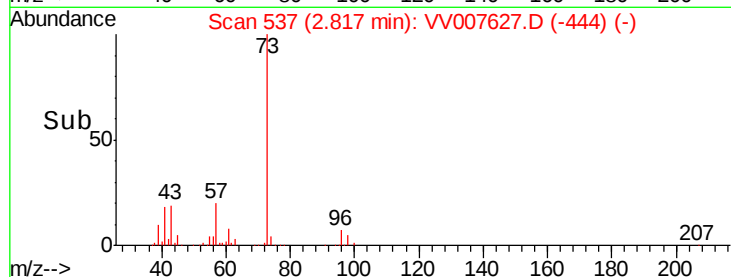
57 20.3 16.4 24.6



Abundance Ion 73.10 (72.80 to 73.80): VV007627.D (-444) (-)

Ion 43.05 (42.75 to 43.75): VV007627.D (-444) (-)

Ion 57.10 (56.80 to 57.80): VV007627.D (-444) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.030 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV007627.D

Acq: 19 Sep 2018 02:52

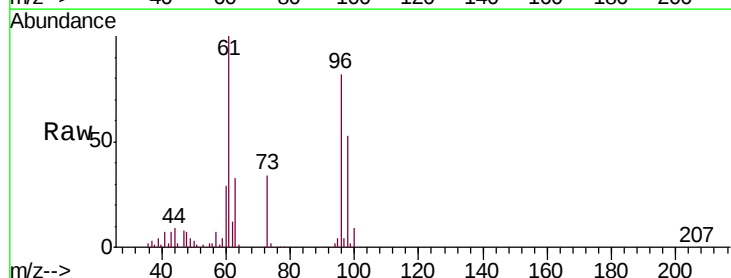
Tgt Ion: 96 Resp: 42759

Ion Ratio Lower Upper

96 100

61 122.6 86.0 159.6

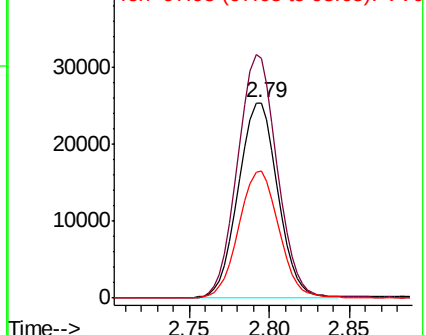
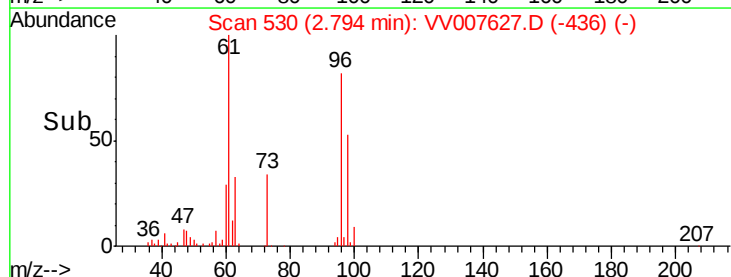
98 65.0 44.9 83.3

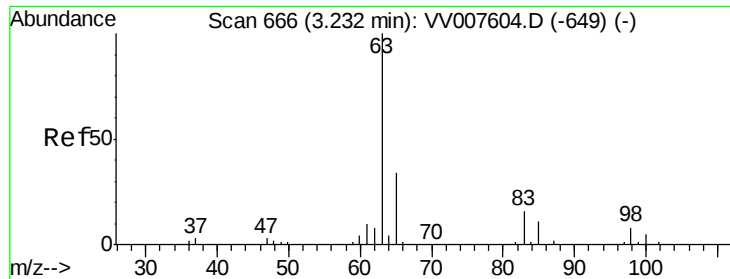


Abundance Ion 96.00 (95.70 to 96.70): VV007627.D (-436) (-)

Ion 61.05 (60.75 to 61.75): VV007627.D (-436) (-)

Ion 97.95 (97.65 to 98.65): VV007627.D (-436) (-)

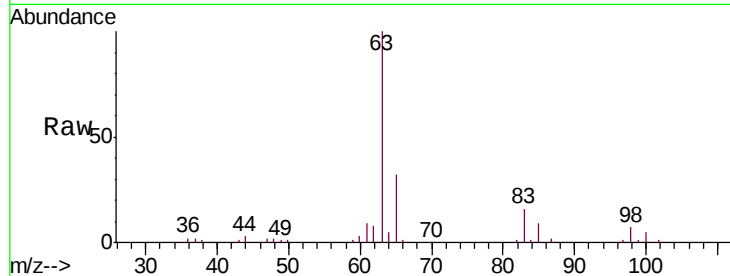




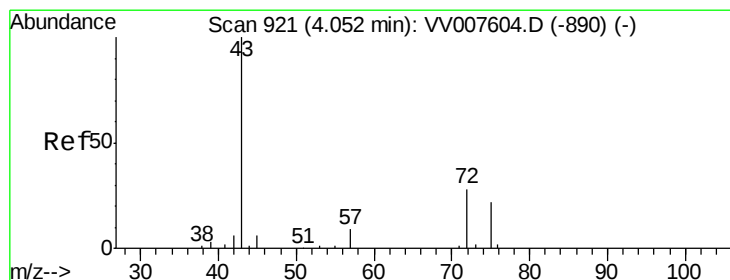
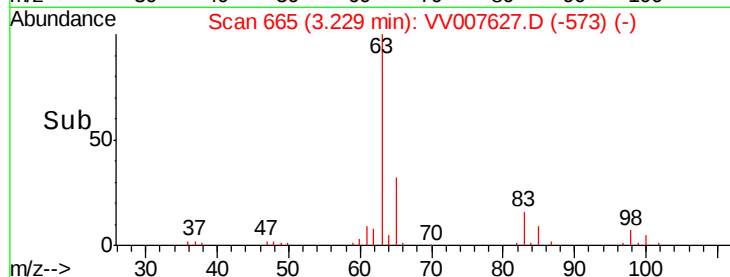
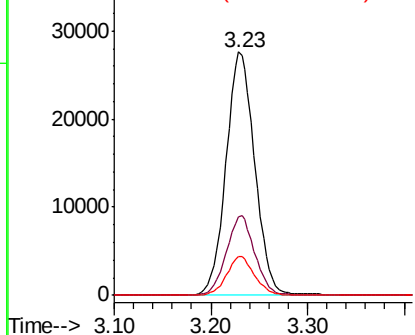
#19
 1,1-Dichloroethane
 Concen: 5.175 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV007627.D
 Acq: 19 Sep 2018 02:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

Tgt Ion: 63 Resp: 56932
 Ion Ratio Lower Upper
 63 100
 65 32.2 23.0 42.8
 83 16.1 11.3 20.9

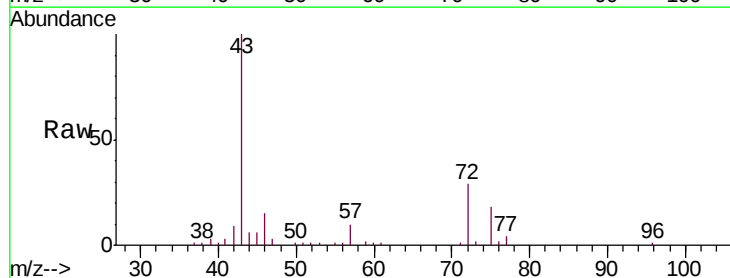


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

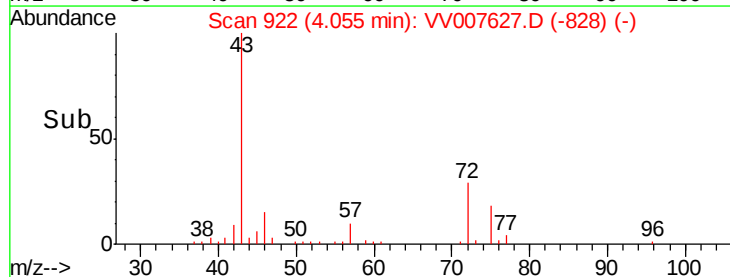
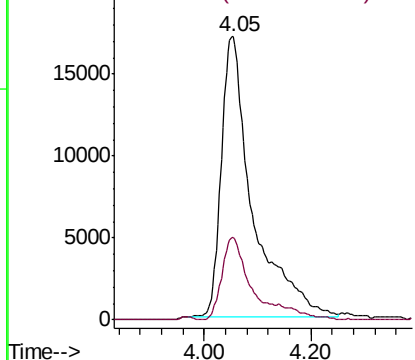


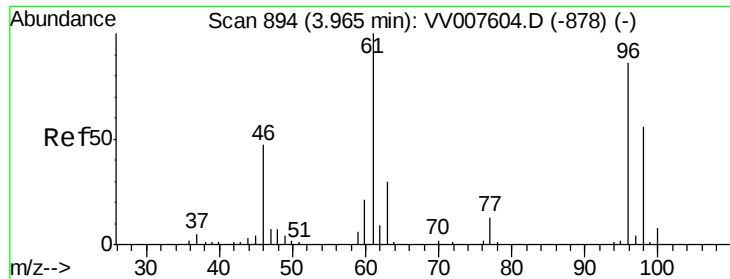
#21
 2-Butanone
 Concen: 70.844 ug/L
 RT: 4.05 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VV007627.D
 Acq: 19 Sep 2018 02:52

Tgt Ion: 43 Resp: 69863
 Ion Ratio Lower Upper
 43 100
 72 25.2 13.4 40.2



Abundance Ion 43.05 (42.75 to 43.75): VV0
 Ion 72.10 (71.80 to 72.80): VV0



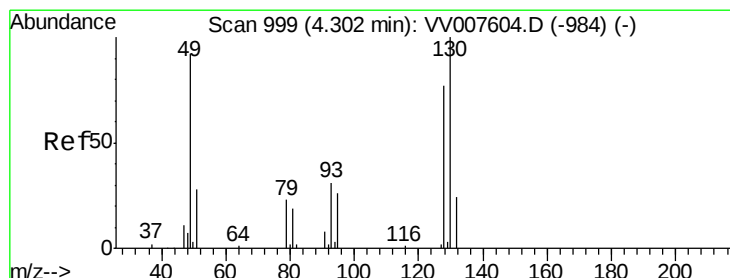
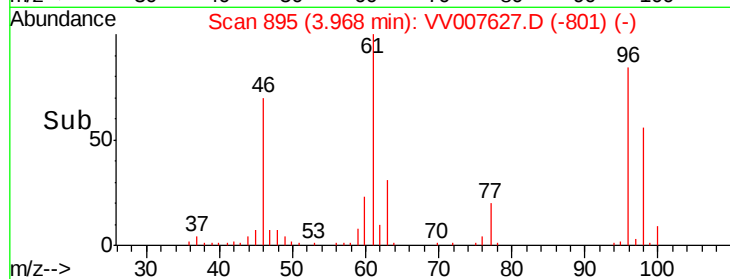
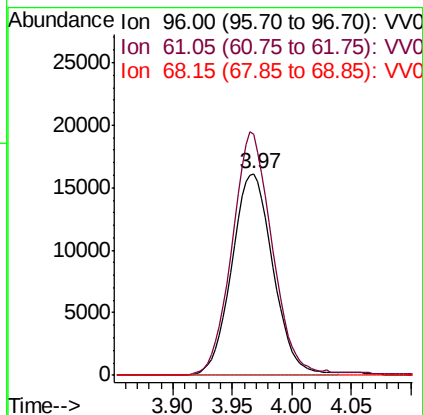
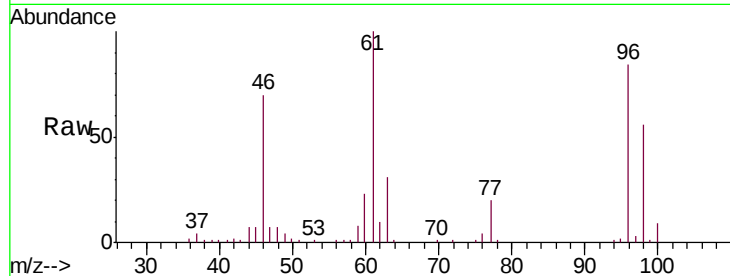


#22

cis-1,2-Dichloroethene
 Concen: 5.030 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VV007627.D
 Acq: 19 Sep 2018 02:52

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00568

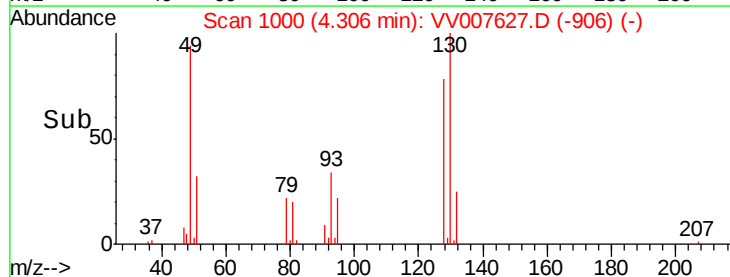
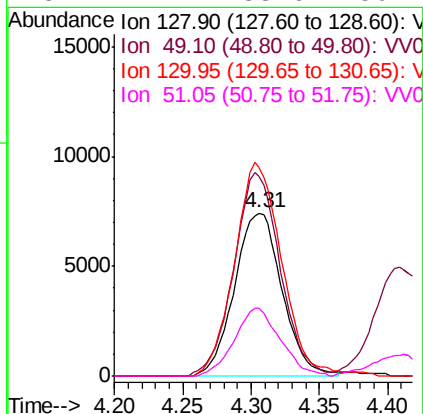
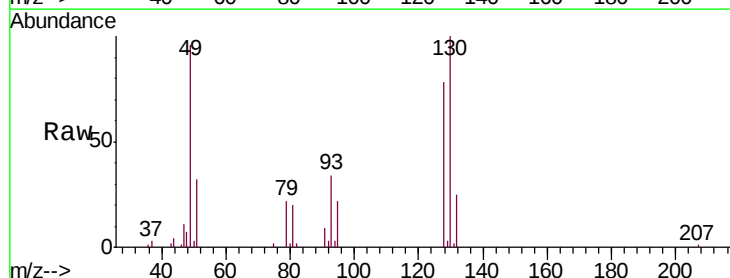
Tgt Ion: 96 Resp: 38700
 Ion Ratio Lower Upper
 96 100
 61 119.5 78.4 145.6
 68 0.0 0.0 0.0

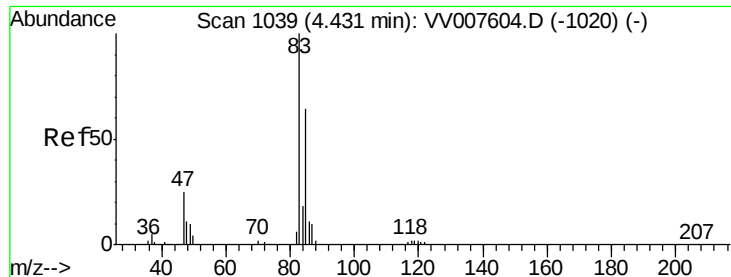


#23

Bromochloromethane
 Concen: 5.149 ug/L
 RT: 4.31 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VV007627.D
 Acq: 19 Sep 2018 02:52

Tgt Ion: 128 Resp: 17973
 Ion Ratio Lower Upper
 128 100
 49 122.8 84.1 156.3
 130 128.4 88.9 165.1
 51 41.4 33.6 50.4





#25

Chloroform

Concen: 5.070 ug/L

RT: 4.43 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VV007627.D

Acq: 19 Sep 2018 02:52

Instrument :

MSVOA_V

ClientSampleId :

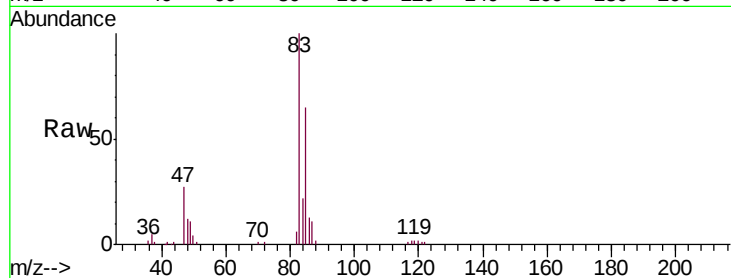
VSTD00568

Tgt Ion: 83 Resp: 66011

Ion Ratio Lower Upper

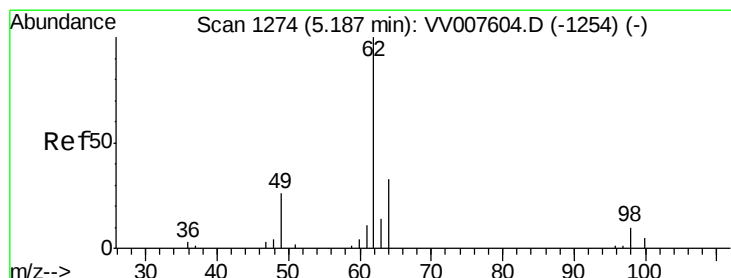
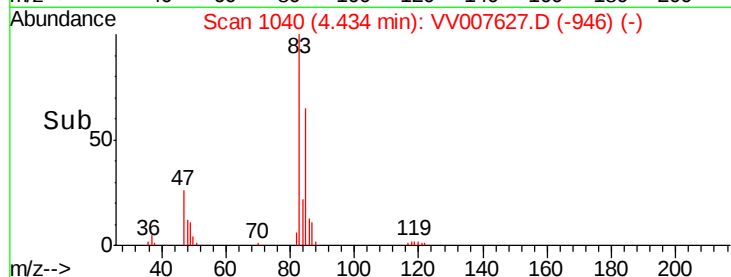
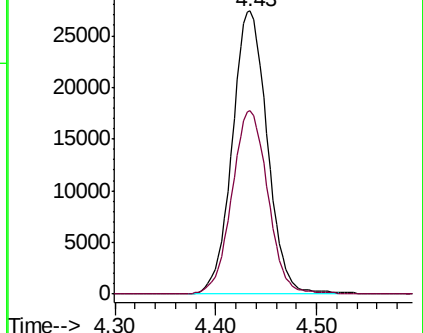
83 100

85 65.0 44.5 82.7



Abundance Ion 83.05 (82.75 to 83.75): VV007604.D (-1020) (-)

Ion 85.00 (84.70 to 85.70): VV007604.D (-1020) (-)



#27

1,2-Dichloroethane

Concen: 5.267 ug/L

RT: 5.19 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VV007627.D

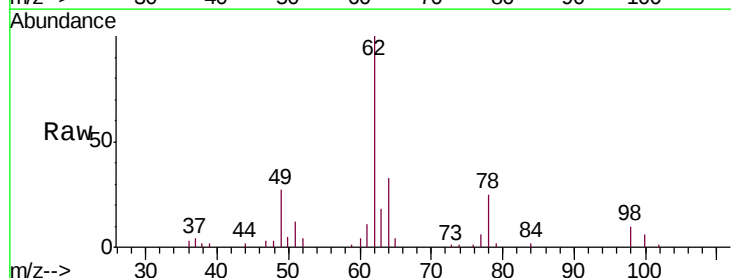
Acq: 19 Sep 2018 02:52

Tgt Ion: 62 Resp: 39173

Ion Ratio Lower Upper

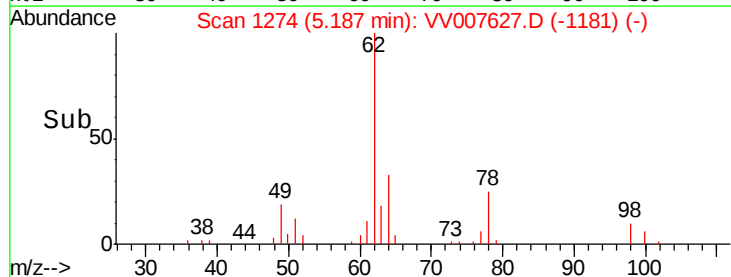
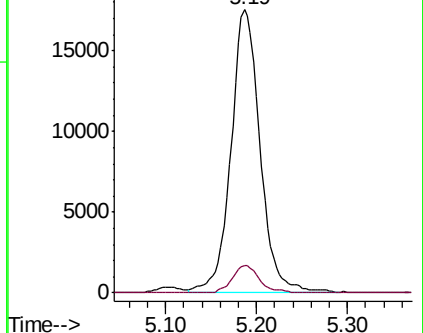
62 100

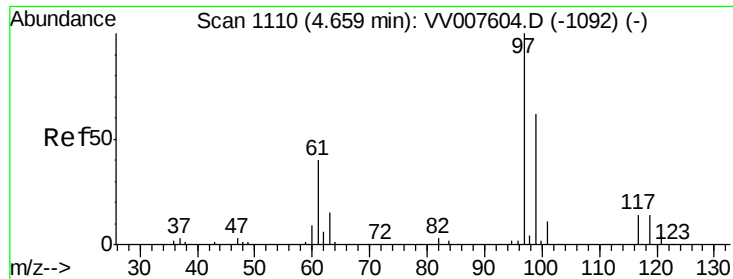
98 9.8 7.6 11.4



Abundance Ion 62.00 (61.70 to 62.70): VV007604.D (-1254) (-)

Ion 98.05 (97.75 to 98.75): VV007604.D (-1254) (-)

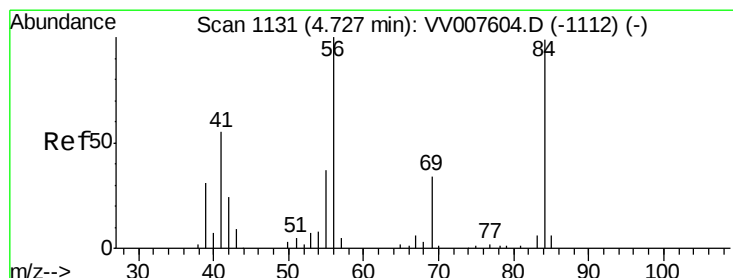
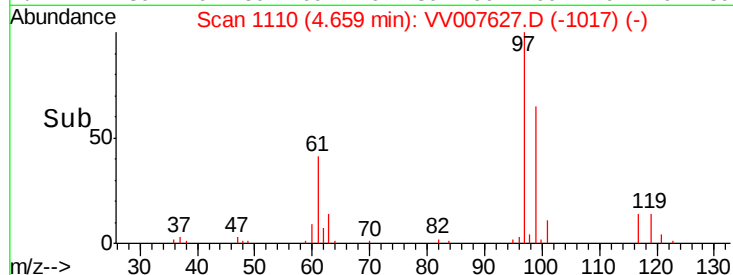
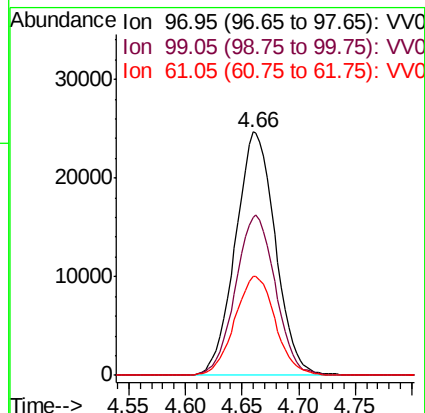
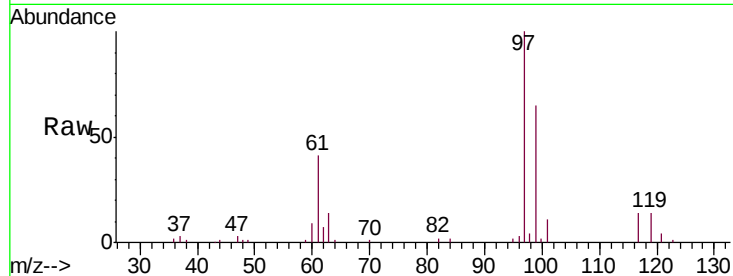




#29
 1,1,1-Trichloroethane
 Concen: 5.037 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VV007627.D
 Acq: 19 Sep 2018 02:52

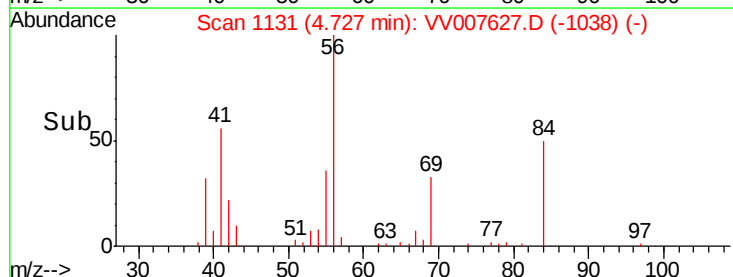
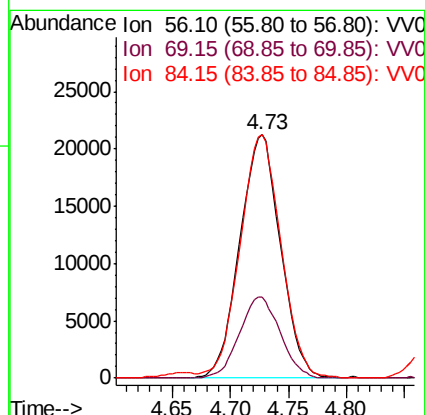
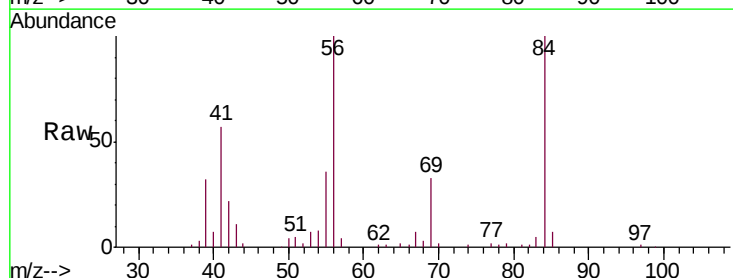
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

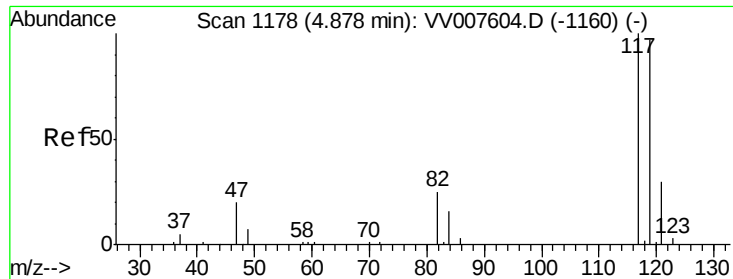
Tgt Ion: 97 Resp: 60604
 Ion Ratio Lower Upper
 97 100
 99 65.7 51.4 77.0
 61 41.4 32.9 49.3



#30
 Cyclohexane
 Concen: 4.943 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VV007627.D
 Acq: 19 Sep 2018 02:52

Tgt Ion: 56 Resp: 51776
 Ion Ratio Lower Upper
 56 100
 69 33.3 26.1 39.1
 84 100.8 79.1 118.7





#31

Carbon tetrachloride

Concen: 5.015 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV007627.D

Acq: 19 Sep 2018 02:52

Instrument :

MSVOA_V

ClientSampleId :

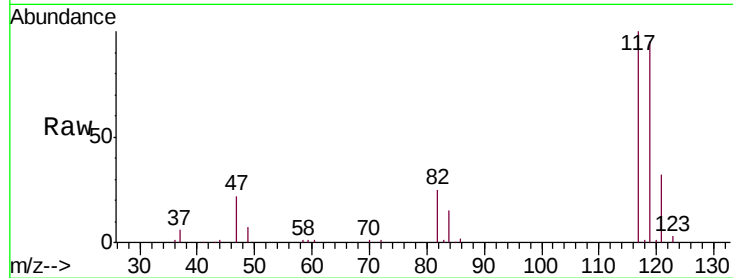
VSTD00568

Tgt Ion:117 Resp: 56436

Ion Ratio Lower Upper

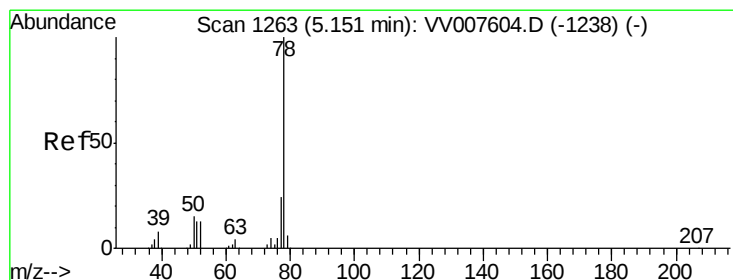
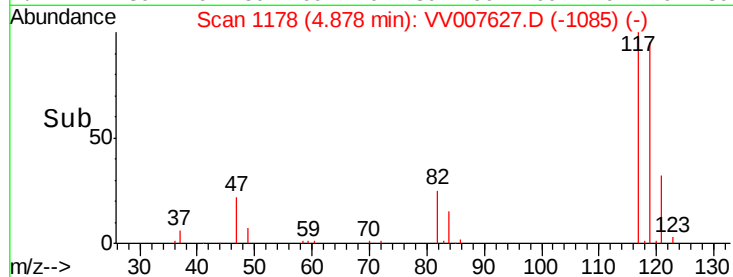
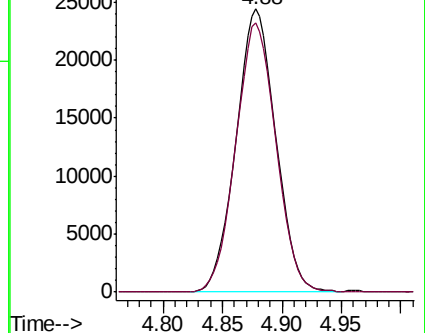
117 100

119 96.1 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: 5.248 ug/L

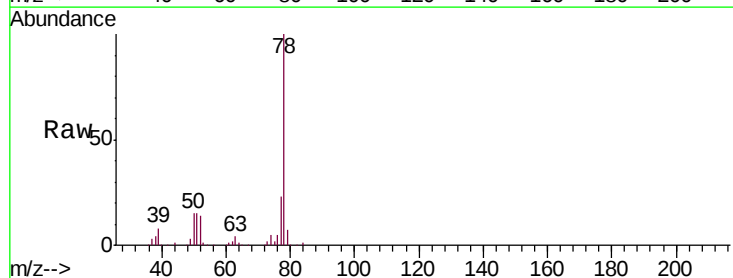
RT: 5.15 min Scan# 1263

Delta R.T. -0.00 min

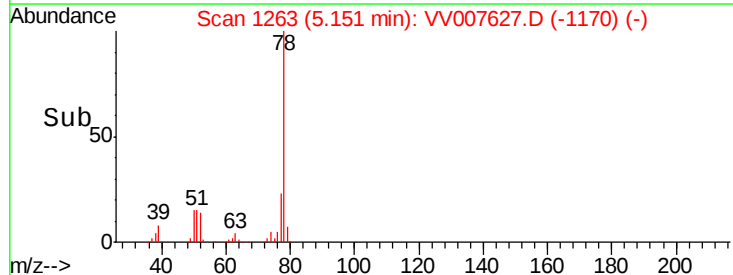
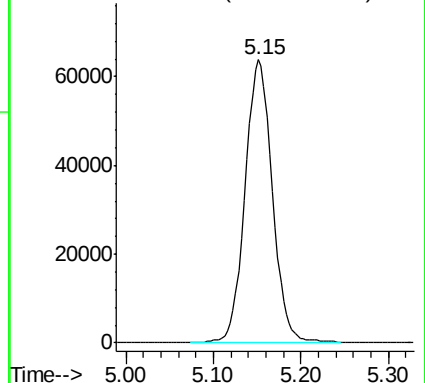
Lab File: VV007627.D

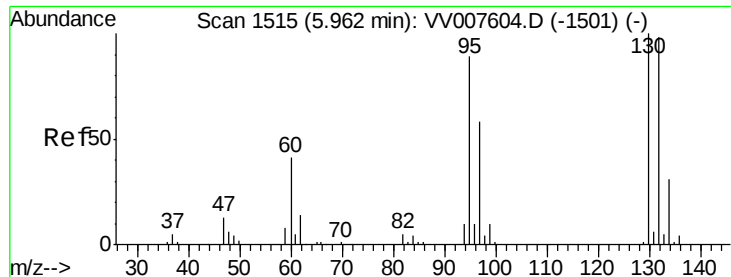
Acq: 19 Sep 2018 02:52

Tgt Ion: 78 Resp: 138598



Abundance Ion 78.10 (77.80 to 78.80): VV0

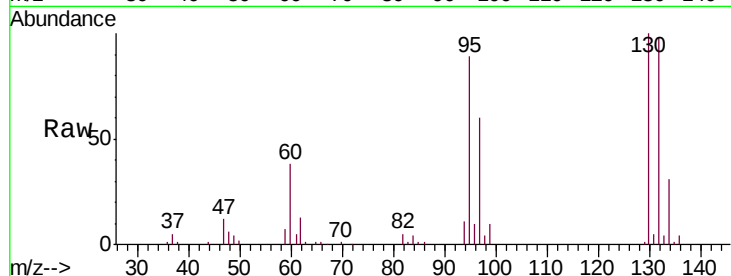




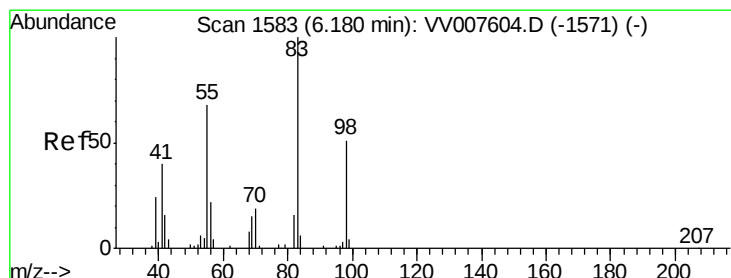
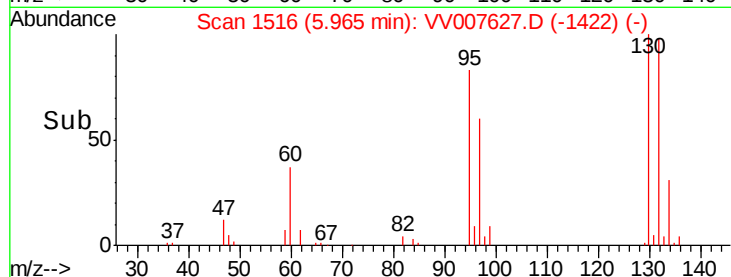
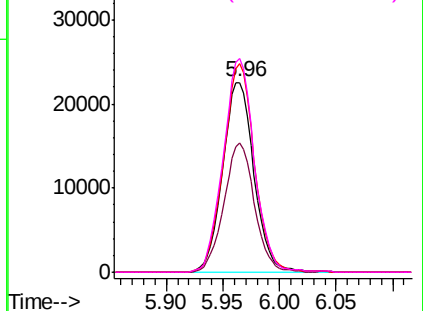
#34
 Trichloroethene
 Concen: 4.956 ug/L
 RT: 5.96 min Scan# 1516
 Delta R.T. 0.00 min
 Lab File: VV007627.D
 Acq: 19 Sep 2018 02:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

Tgt Ion:	95	Resp:	43547
Ion	Ratio	Lower	Upper
95	100		
97	67.9	46.5	86.5
132	110.1	75.5	140.3
130	112.4	78.8	146.4

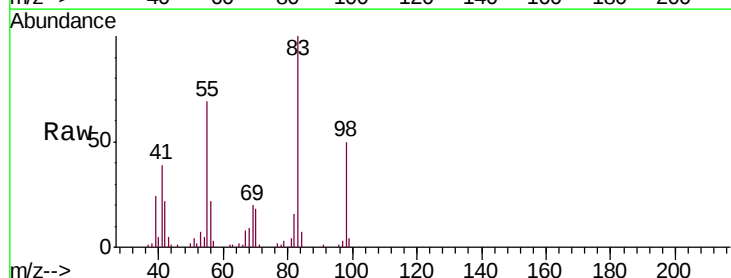


Abundance Ion 95.00 (94.70 to 95.70): VV007604.D (-1501) (-)
 Ion 96.95 (96.65 to 97.65): VV007604.D (-1501) (-)
 Ion 131.95 (131.65 to 132.65): VV007604.D (-1501) (-)
 Ion 129.95 (129.65 to 130.65): VV007604.D (-1501) (-)

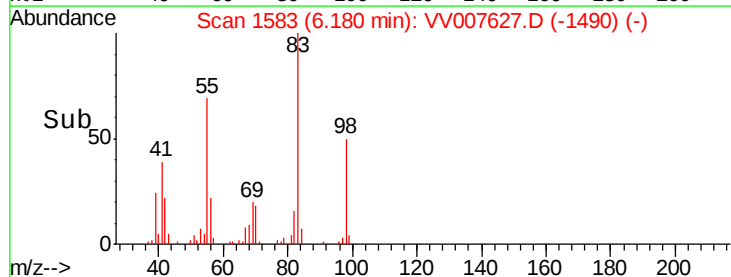
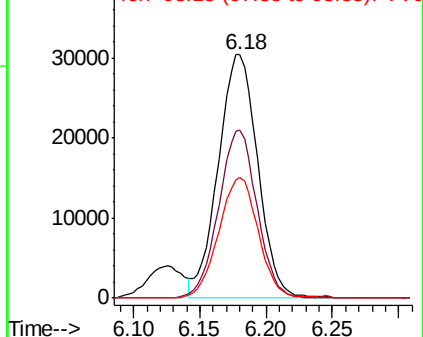


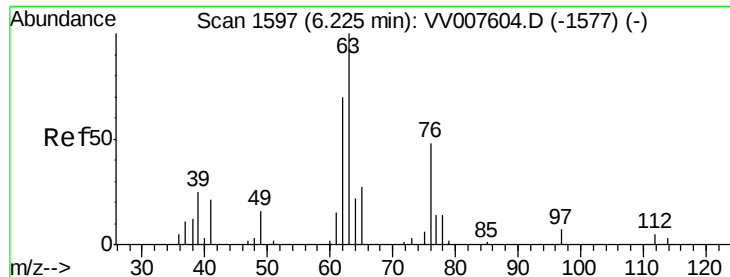
#35
 Methylcyclohexane
 Concen: 4.946 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VV007627.D
 Acq: 19 Sep 2018 02:52

Tgt Ion:	83	Resp:	63092
Ion	Ratio	Lower	Upper
83	100		
55	66.8	54.6	82.0
98	49.6	39.8	59.6



Abundance Ion 83.15 (82.85 to 83.85): VV007604.D (-1571) (-)
 Ion 55.10 (54.80 to 55.80): VV007604.D (-1571) (-)
 Ion 98.15 (97.85 to 98.85): VV007604.D (-1571) (-)

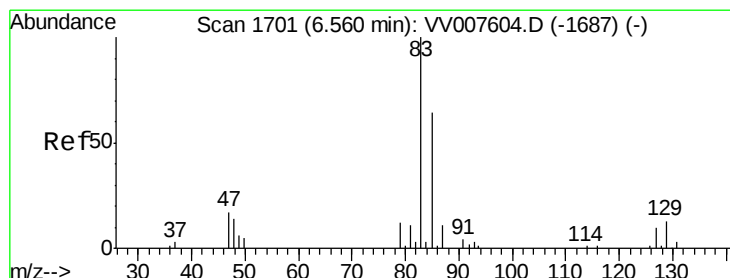
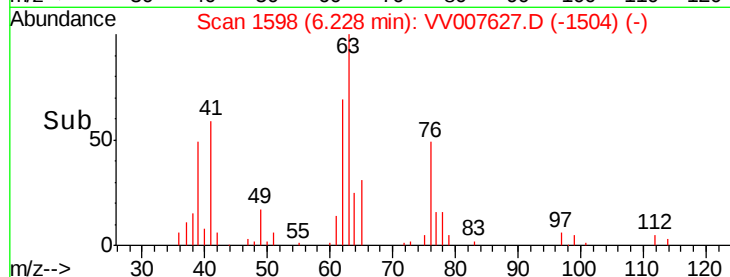
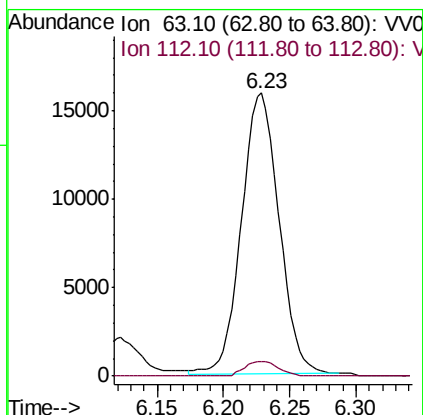
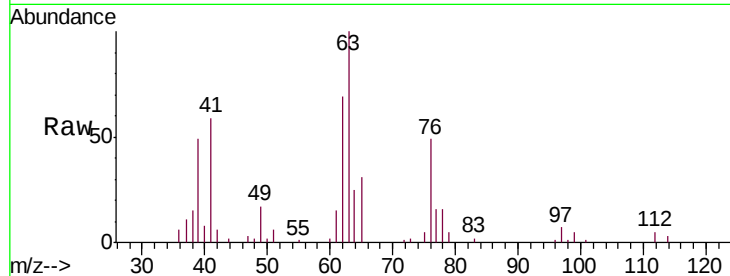




#37
 1,2-Dichloropropane
 Concen: 5.223 ug/L
 RT: 6.23 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VV007627.D
 Acq: 19 Sep 2018 02:52

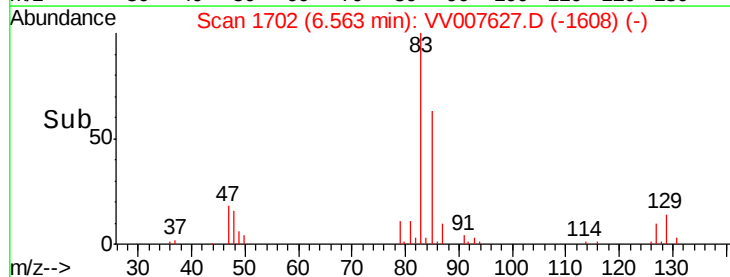
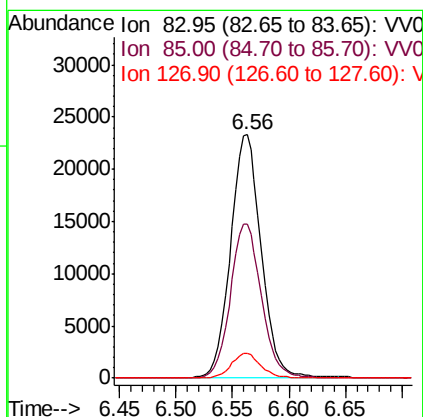
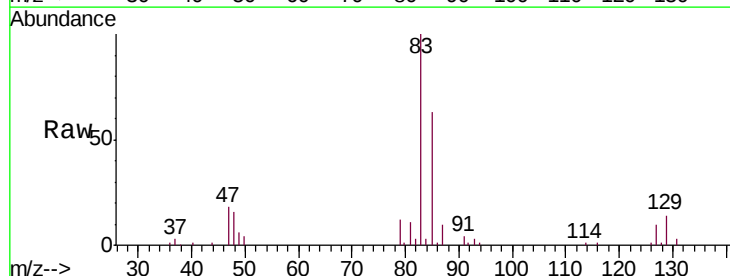
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

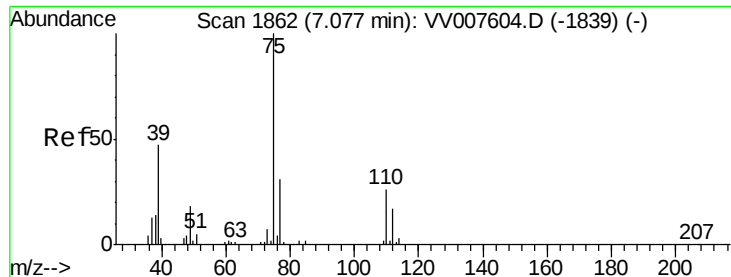
Tgt Ion: 63 Resp: 31405
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.8 5.6



#38
 Bromodichloromethane
 Concen: 5.052 ug/L
 RT: 6.56 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VV007627.D
 Acq: 19 Sep 2018 02:52

Tgt Ion: 83 Resp: 43949
 Ion Ratio Lower Upper
 83 100
 85 63.1 44.7 83.1
 127 10.2 8.6 12.8

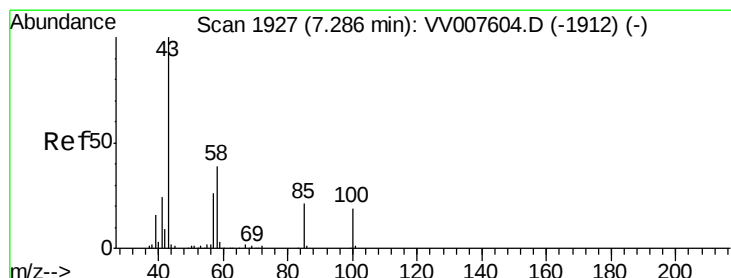
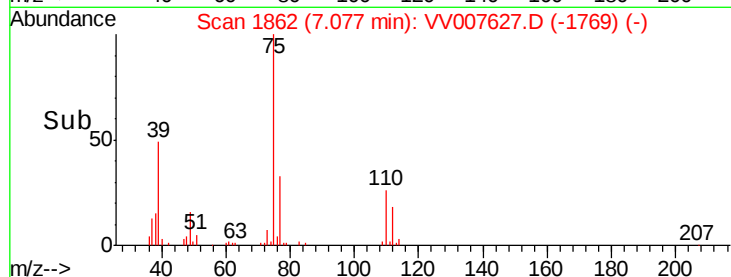
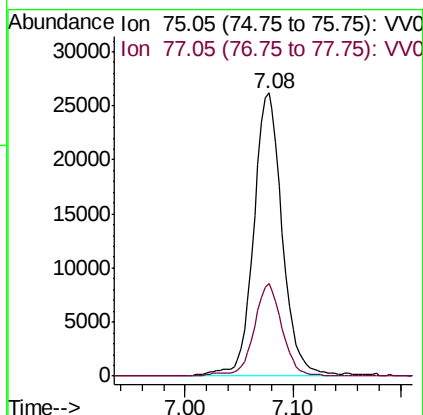
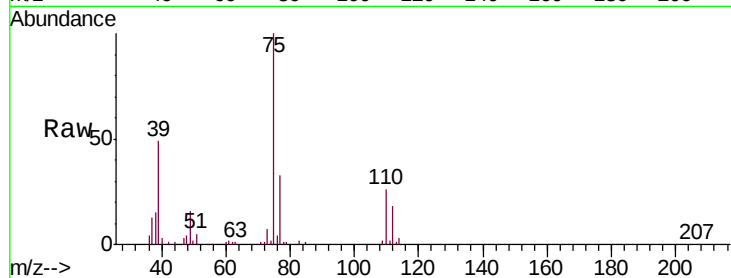




#39
 cis-1,3-Dichloropropene
 Concen: 4.852 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VV007627.D
 Acq: 19 Sep 2018 02:52

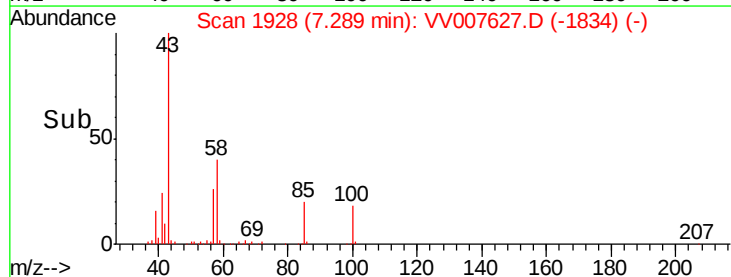
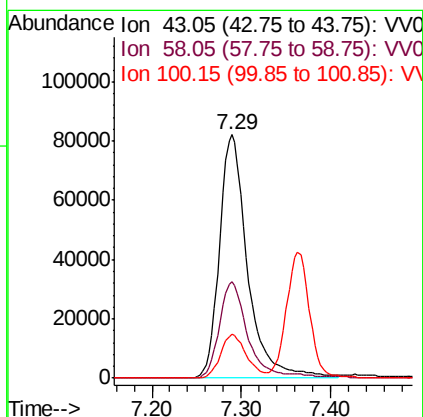
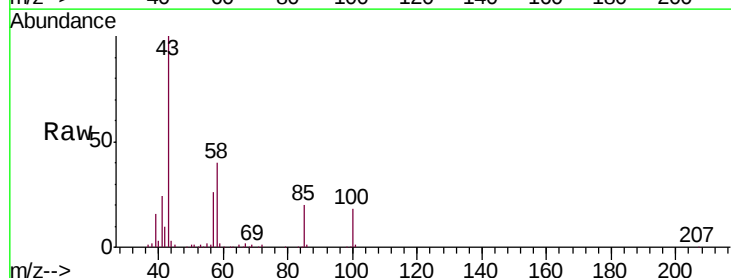
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

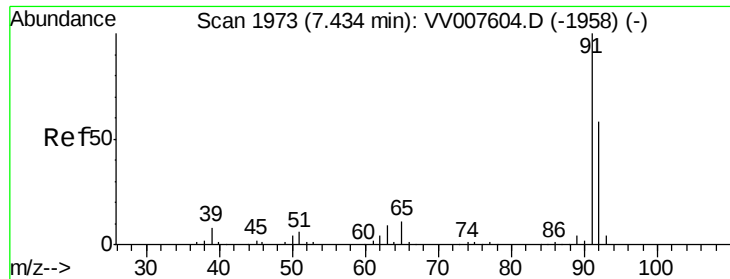
Tgt Ion: 75 Resp: 48181
 Ion Ratio Lower Upper
 75 100
 77 32.7 23.0 42.8



#40
 4-Methyl-2-pentanone
 Concen: 50.975 ug/L
 RT: 7.29 min Scan# 1928
 Delta R.T. 0.00 min
 Lab File: VV007627.D
 Acq: 19 Sep 2018 02:52

Tgt Ion: 43 Resp: 179466
 Ion Ratio Lower Upper
 43 100
 58 40.6 32.6 49.0
 100 16.6 13.1 19.7





#42

Toluene

Concen: 5.113 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV007627.D

Acq: 19 Sep 2018 02:52

Instrument :

MSVOA_V

ClientSampleId :

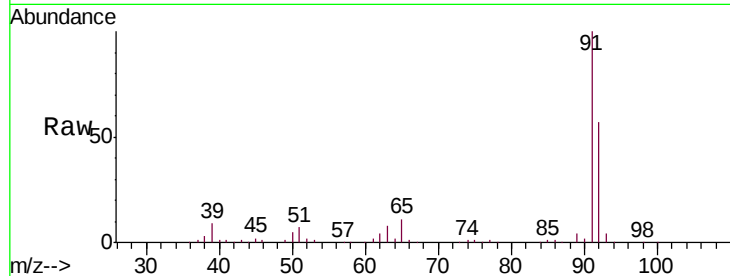
VSTD00568

Tgt Ion: 91 Resp: 156599

Ion Ratio Lower Upper

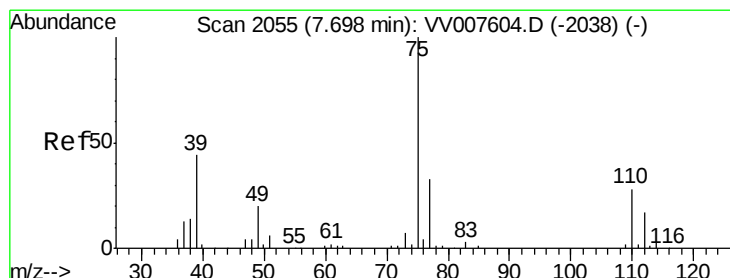
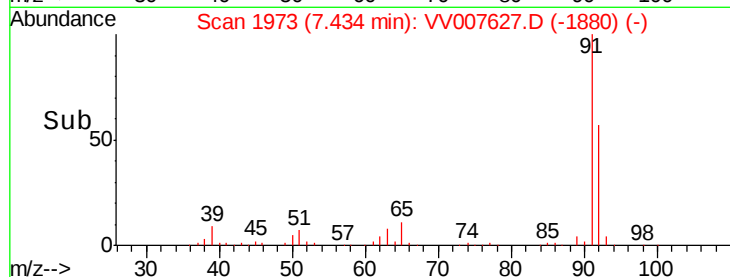
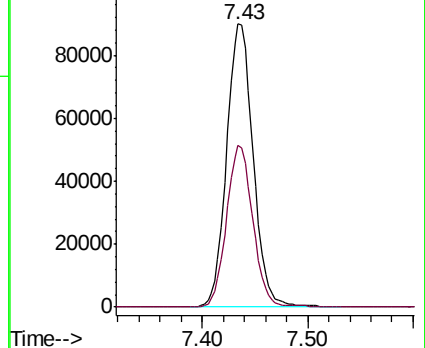
91 100

92 57.1 40.3 74.9



Abundance Ion 91.15 (90.85 to 91.85): VV007604.D (-1958) (-)

Ion 92.15 (91.85 to 92.85): VV007604.D (-1958) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.735 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. -0.00 min

Lab File: VV007627.D

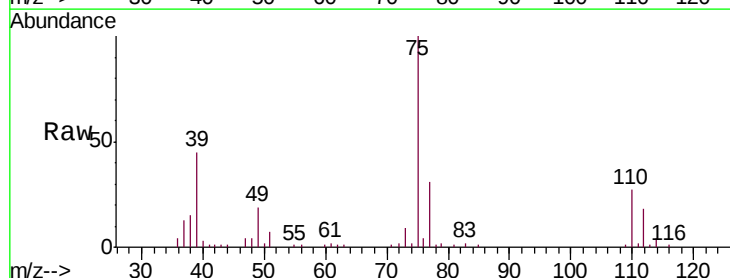
Acq: 19 Sep 2018 02:52

Tgt Ion: 75 Resp: 37669

Ion Ratio Lower Upper

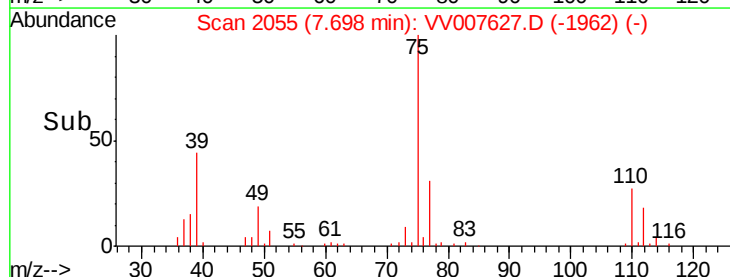
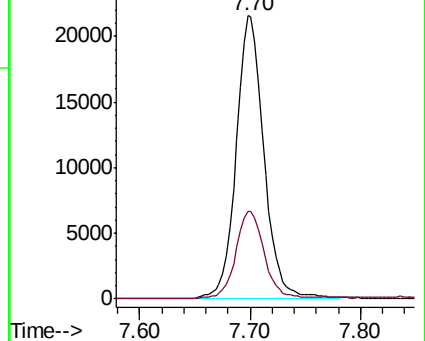
75 100

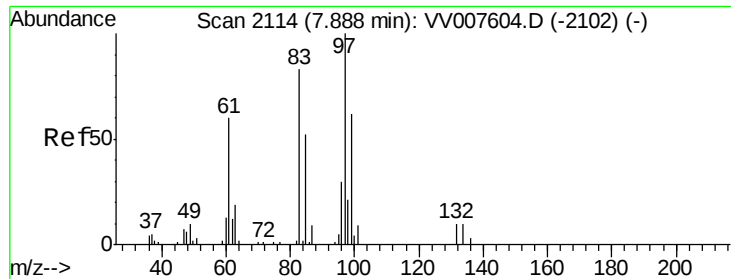
77 31.1 21.3 39.6



Abundance Ion 75.05 (74.75 to 75.75): VV007604.D (-2038) (-)

Ion 77.05 (76.75 to 77.75): VV007604.D (-2038) (-)

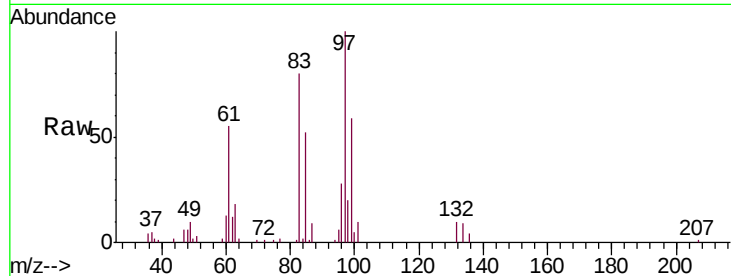




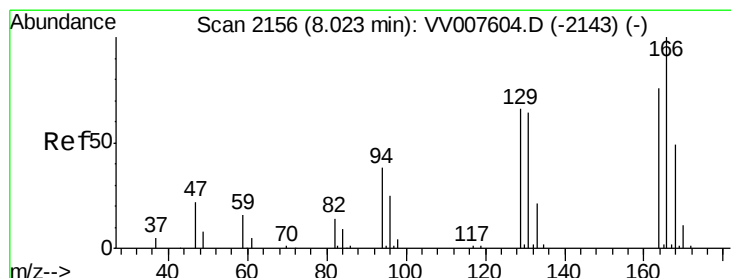
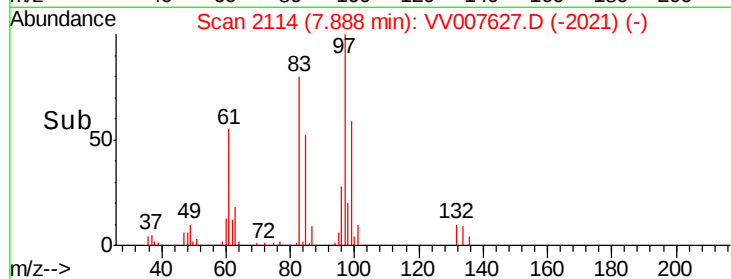
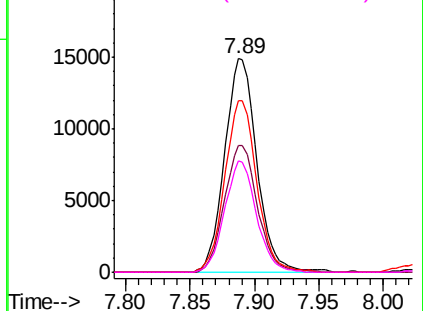
#45
 1,1,2-Trichloroethane
 Concen: 5.284 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VV007627.D
 Acq: 19 Sep 2018 02:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

Tgt Ion:	97	Resp:	25873
Ion	Ratio	Lower	Upper
97	100		
99	59.0	45.9	85.3
83	80.4	57.2	106.2
85	52.0	38.9	72.3

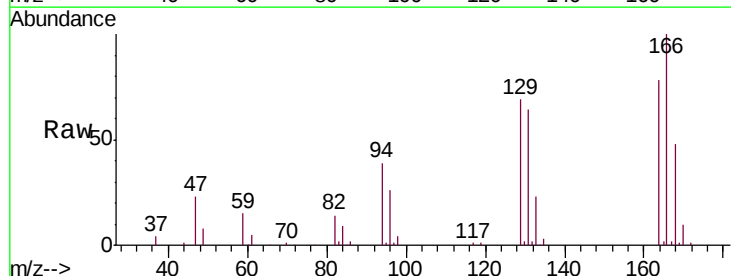


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

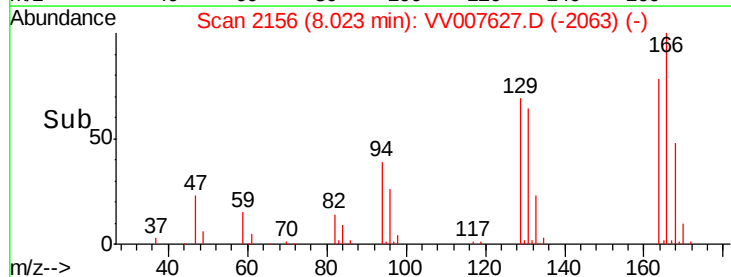
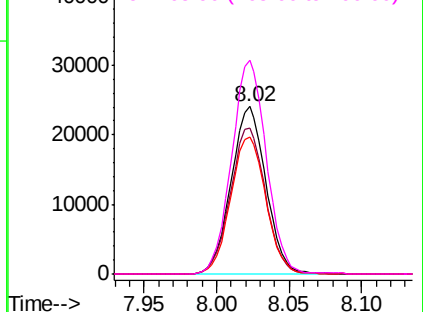


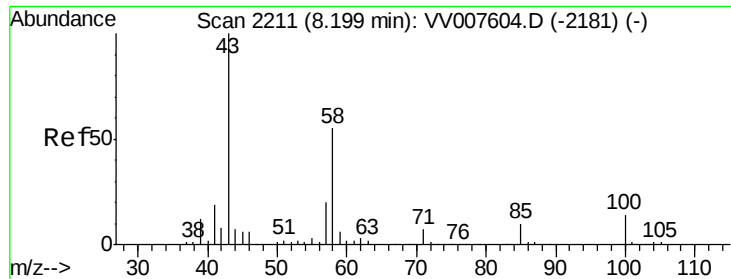
#47
 Tetrachloroethene
 Concen: 5.070 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. -0.00 min
 Lab File: VV007627.D
 Acq: 19 Sep 2018 02:52

Tgt Ion:	164	Resp:	40144
Ion	Ratio	Lower	Upper
164	100		
129	87.6	60.0	111.4
131	82.2	58.8	109.2
166	127.7	88.5	164.4



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

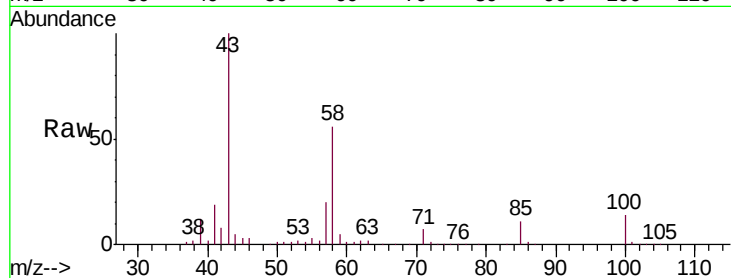




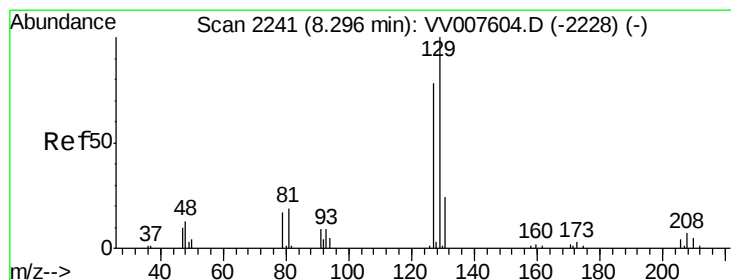
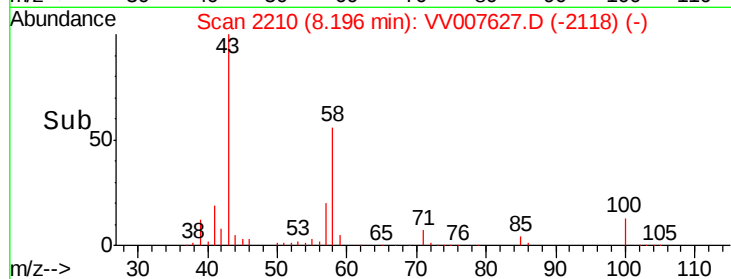
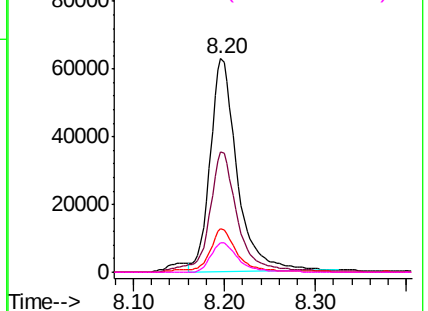
#48
2-Hexanone
Concen: 47.662 ug/L
RT: 8.20 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VV007627.D
Acq: 19 Sep 2018 02:52

Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

Tgt Ion:	43	Resp:	129327
Ion	Ratio	Lower	Upper
43	100		
58	58.7	45.5	68.3
57	19.7	16.3	24.5
100	14.1	10.7	16.1

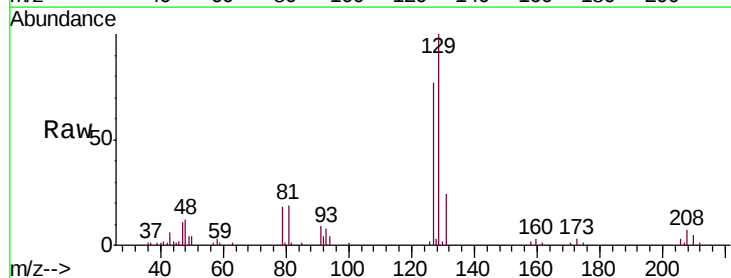


Abundance Ion 43.05 (42.75 to 43.75): VV007627.D (-2118) (-)
Ion 58.05 (57.75 to 58.75): VV007627.D (-2118) (-)
Ion 57.20 (56.90 to 57.90): VV007627.D (-2118) (-)
Ion 100.15 (99.85 to 100.85): VV007627.D (-2118) (-)

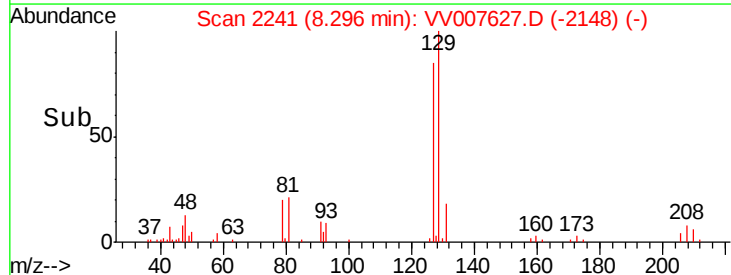
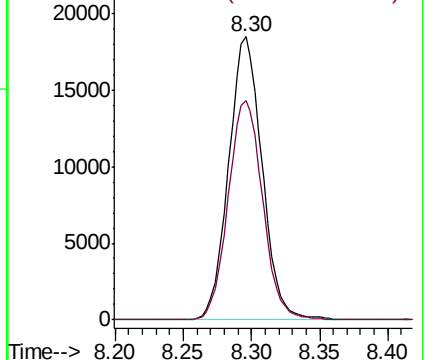


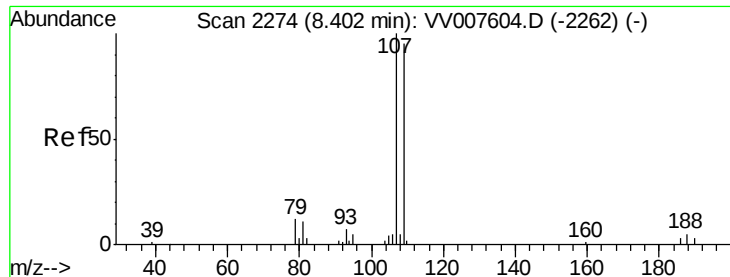
#49
Dibromochloromethane
Concen: 4.857 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VV007627.D
Acq: 19 Sep 2018 02:52

Tgt Ion:	129	Resp:	31458
Ion	Ratio	Lower	Upper
129	100		
127	77.4	53.3	98.9



Abundance Ion 128.95 (128.65 to 129.65): VV007627.D (-2148) (-)
Ion 126.90 (126.60 to 127.60): VV007627.D (-2148) (-)

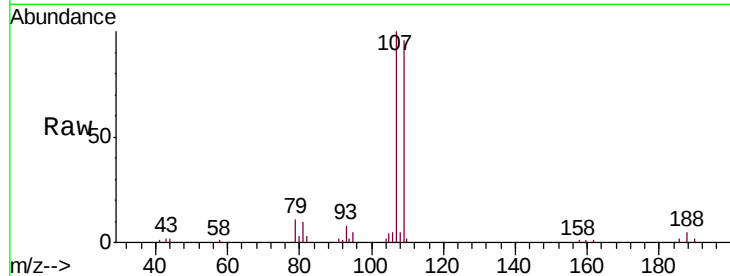




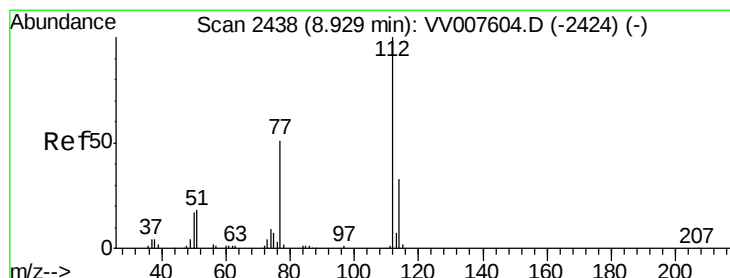
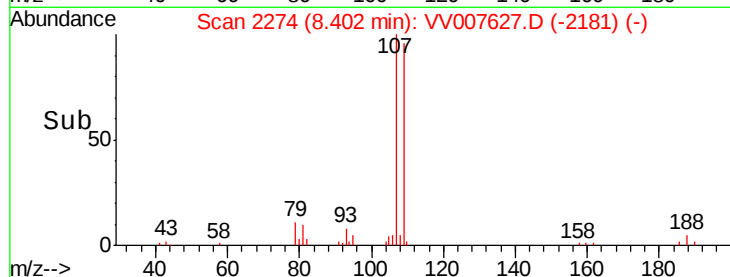
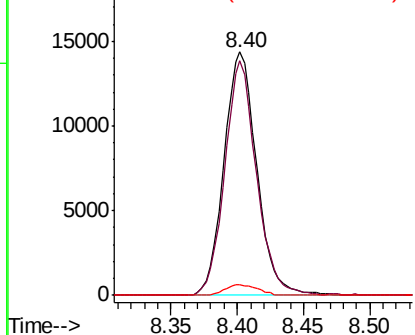
#50
1,2-Dibromoethane
Concen: 5.074 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. -0.00 min
Lab File: VV007627.D
Acq: 19 Sep 2018 02:52

Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

Tgt Ion:107 Resp: 24674
Ion Ratio Lower Upper
107 100
109 96.1 63.8 118.6
188 4.5 3.6 5.4

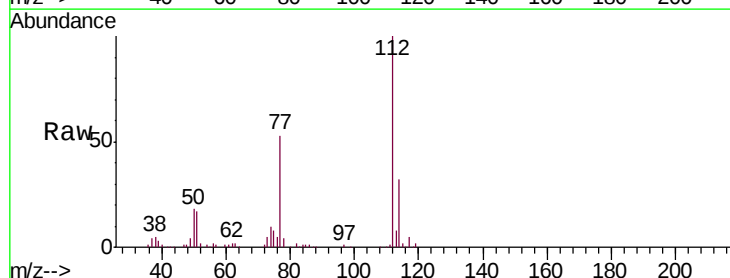


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

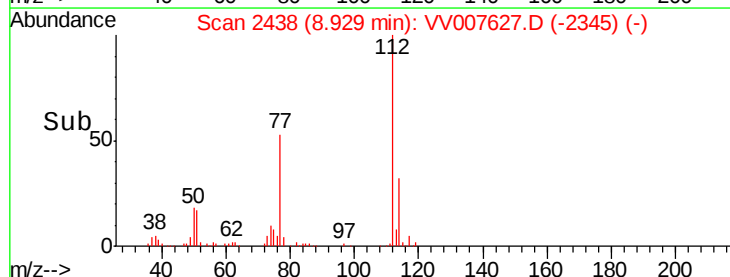
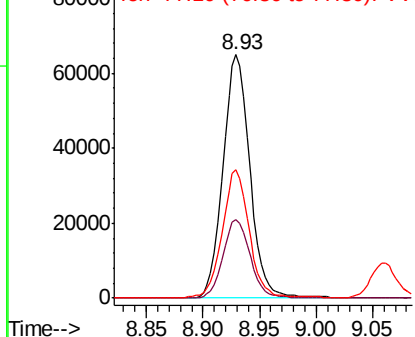


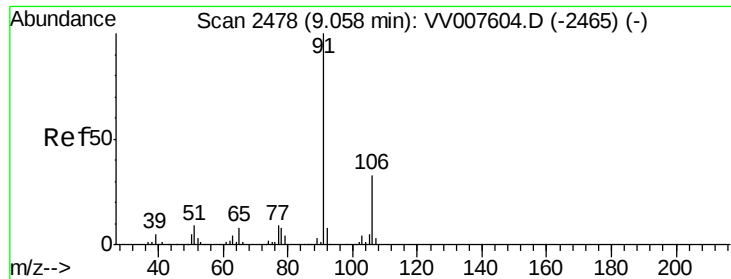
#51
Chlorobenzene
Concen: 5.065 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. -0.00 min
Lab File: VV007627.D
Acq: 19 Sep 2018 02:52

Tgt Ion:112 Resp: 107543
Ion Ratio Lower Upper
112 100
114 32.4 22.3 41.5
77 52.7 42.0 63.0



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





#52

Ethylbenzene

Concen: 5.076 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV007627.D

Acq: 19 Sep 2018 02:52

Instrument :

MSVOA_V

ClientSampleId :

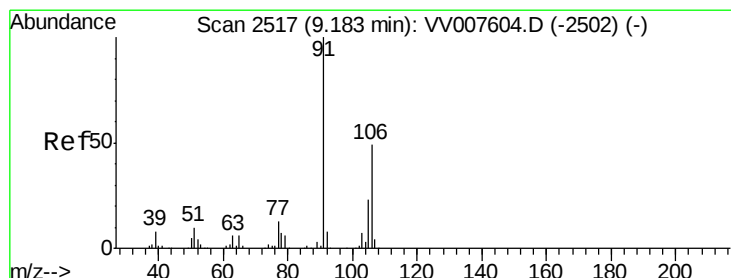
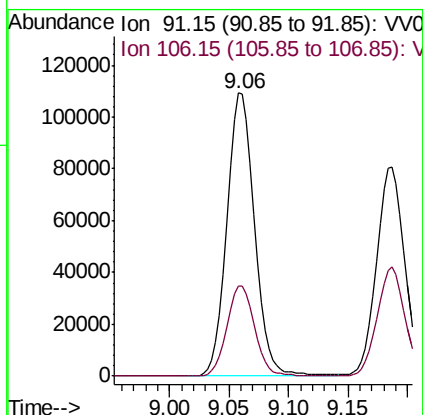
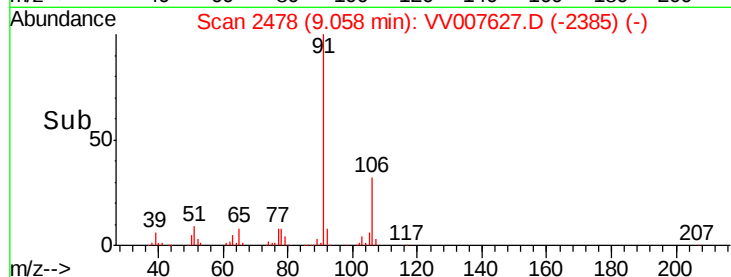
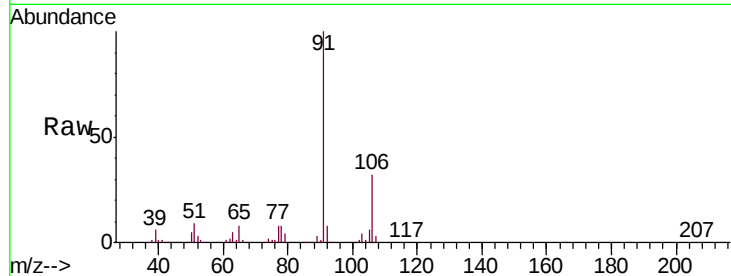
VSTD00568

Tgt Ion: 91 Resp: 176833

Ion Ratio Lower Upper

91 100

106 31.8 22.5 41.9



#53

m,p-xylene

Concen: 4.963 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV007627.D

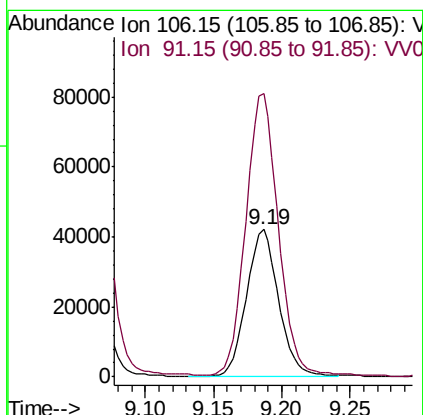
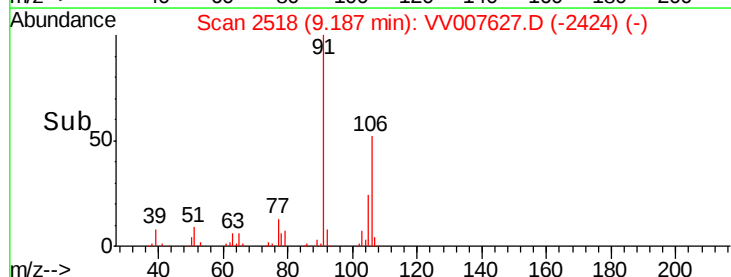
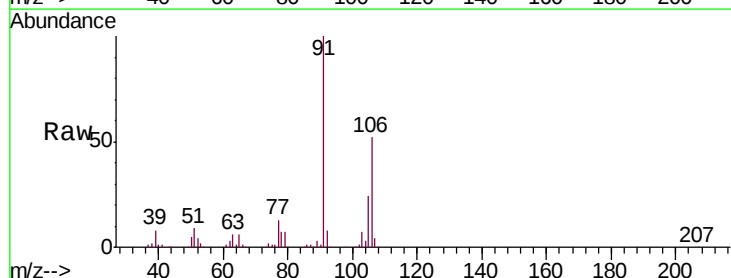
Acq: 19 Sep 2018 02:52

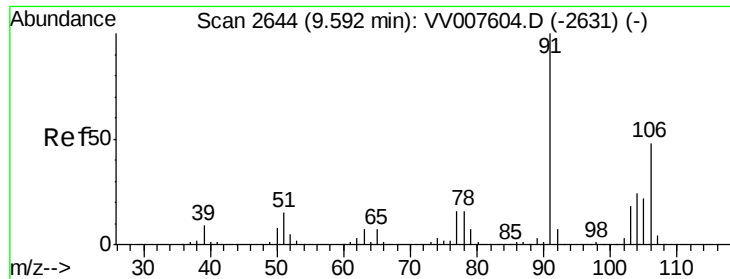
Tgt Ion: 106 Resp: 69530

Ion Ratio Lower Upper

106 100

91 192.4 139.4 258.8

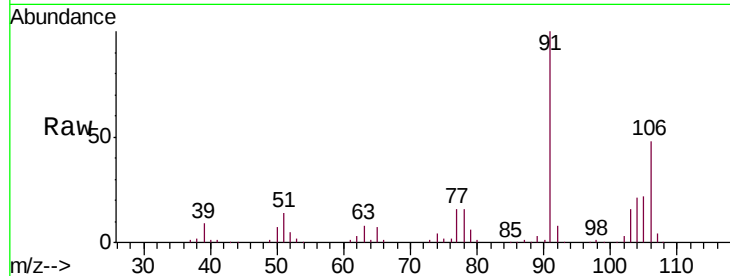




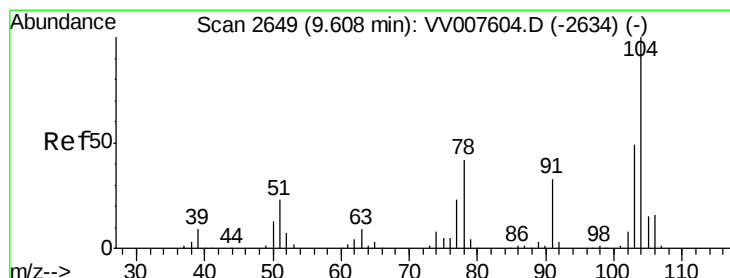
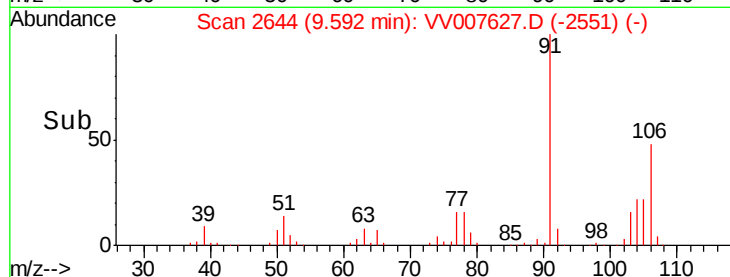
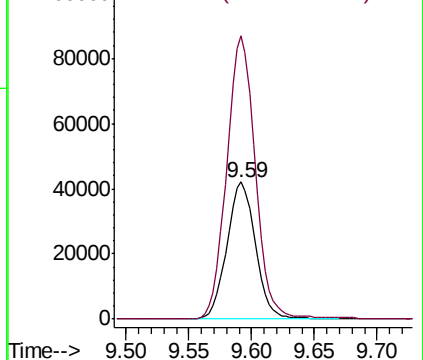
#54
o-xylene
Concen: 5.073 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VV007627.D
Acq: 19 Sep 2018 02:52

Instrument :
MSVOA_V
ClientSampleId :
VSTD00568

Tgt Ion:106 Resp: 66702
Ion Ratio Lower Upper
106 100
91 206.6 145.9 271.1

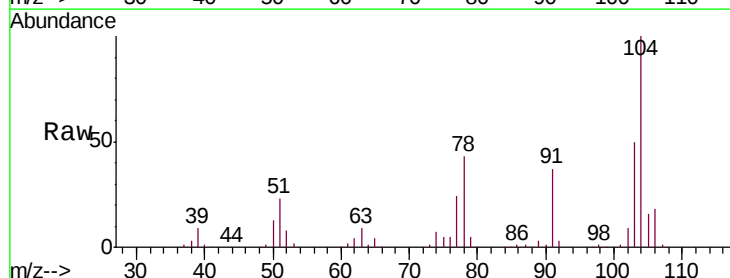


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

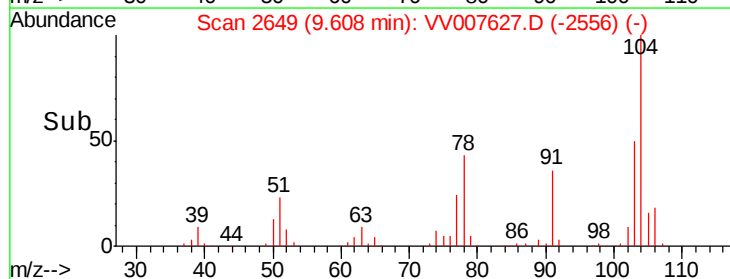
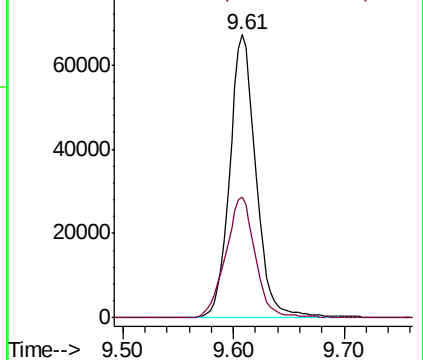


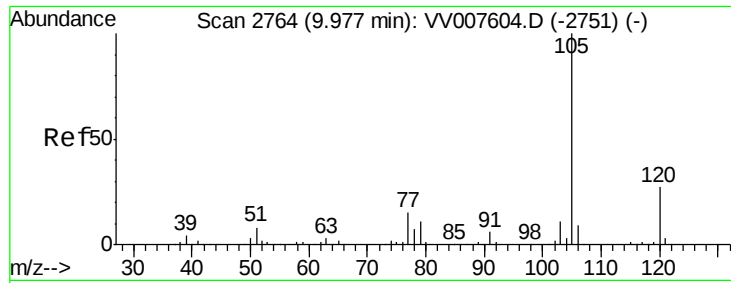
#55
Styrene
Concen: 5.075 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. -0.00 min
Lab File: VV007627.D
Acq: 19 Sep 2018 02:52

Tgt Ion:104 Resp: 111202
Ion Ratio Lower Upper
104 100
78 42.7 29.7 55.1



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.016 ug/L

RT: 9.98 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007627.D

Acq: 19 Sep 2018 02:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD00568

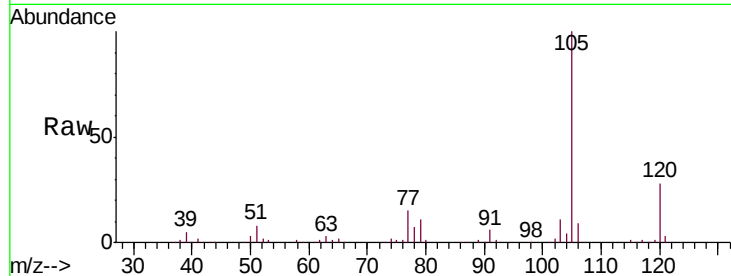
Tgt Ion: 105 Resp: 183054

Ion Ratio Lower Upper

105 100

120 27.9 22.1 33.1

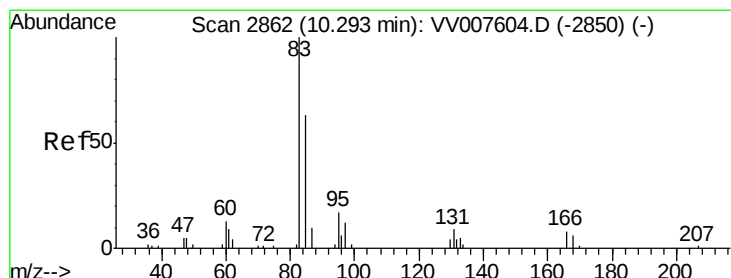
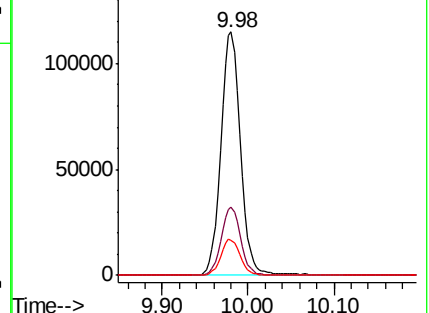
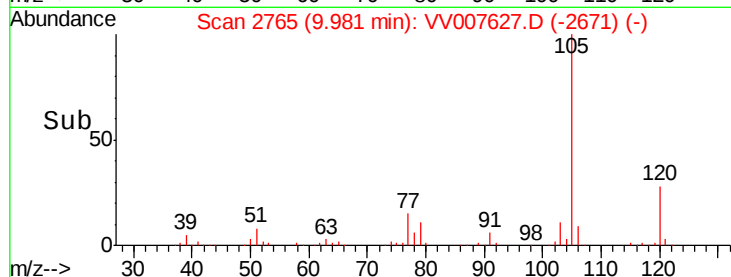
77 14.9 12.0 18.0



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: 5.111 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV007627.D

Acq: 19 Sep 2018 02:52

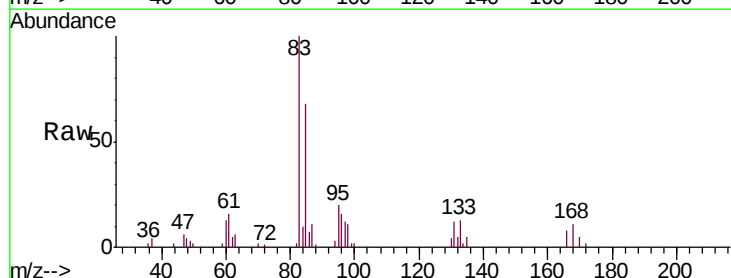
Tgt Ion: 83 Resp: 22693

Ion Ratio Lower Upper

83 100

85 68.4 44.9 83.5

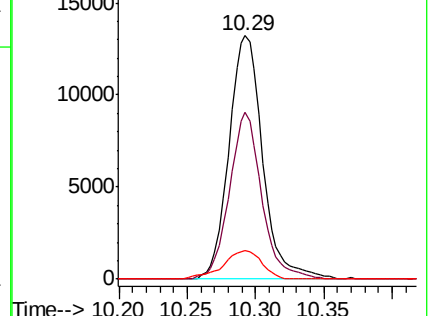
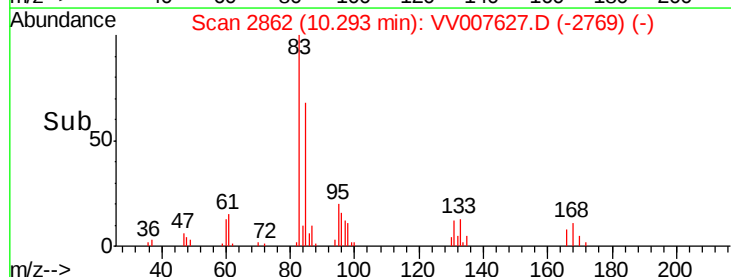
131 11.6 9.0 13.6

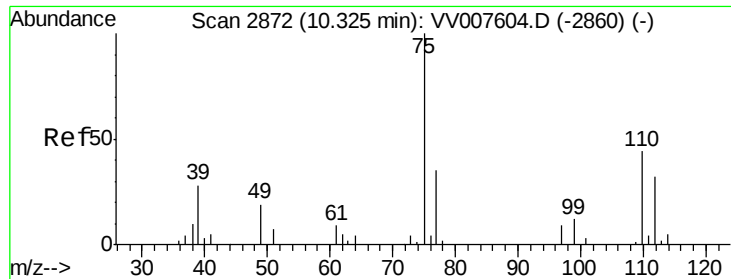


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

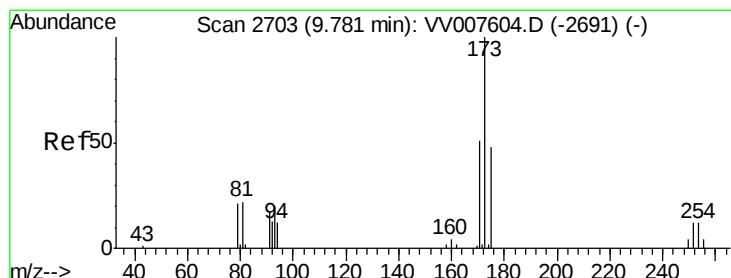
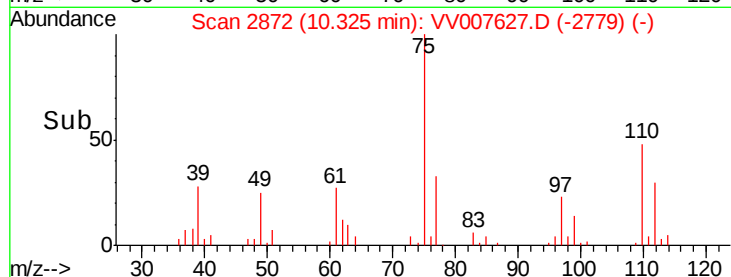
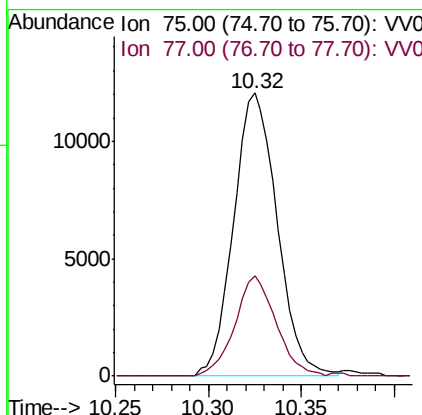
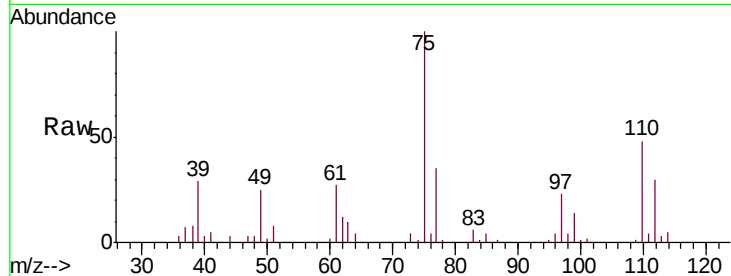




#59
 1,2,3-Trichloropropane
 Concen: 4.901 ug/L
 RT: 10.32 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VV007627.D
 Acq: 19 Sep 2018 02:52

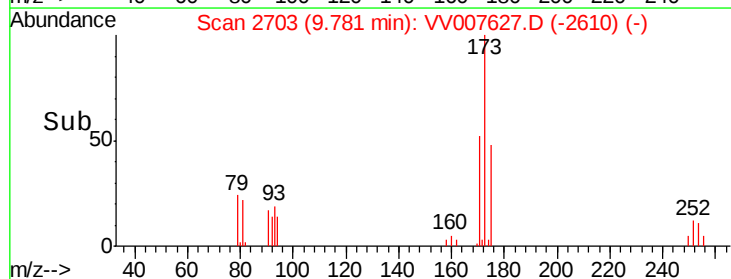
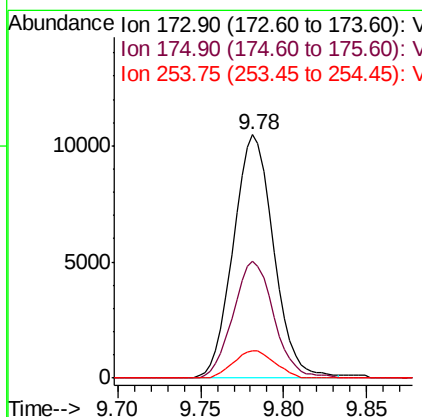
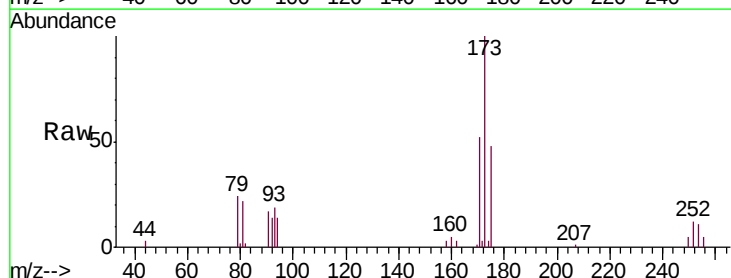
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

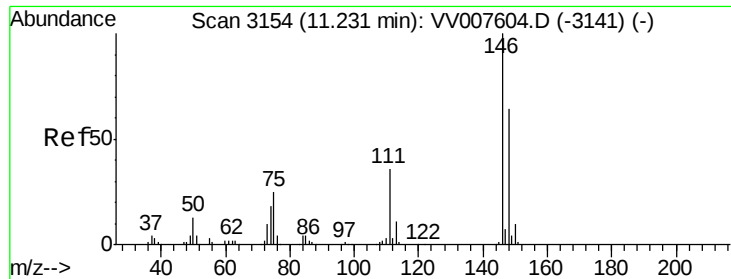
Tgt Ion: 75 Resp: 19699
 Ion Ratio Lower Upper
 75 100
 77 33.5 25.0 37.4



#61
 Bromoform
 Concen: 4.551 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. -0.00 min
 Lab File: VV007627.D
 Acq: 19 Sep 2018 02:52

Tgt Ion: 173 Resp: 17748
 Ion Ratio Lower Upper
 173 100
 175 48.6 38.2 57.4
 254 11.4 8.9 13.3





#62

1,3-Dichlorobenzene

Concen: 4.865 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. -0.00 min

Lab File: VV007627.D

Acq: 19 Sep 2018 02:52

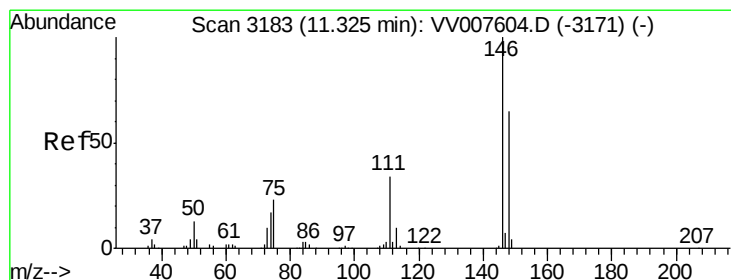
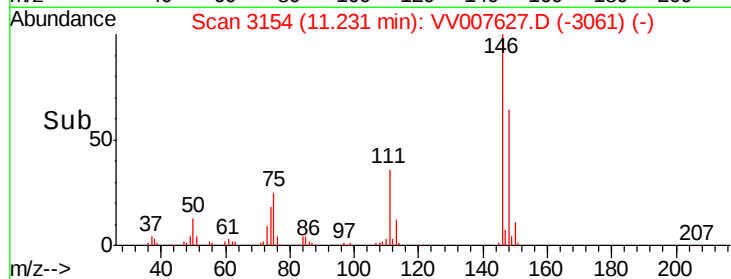
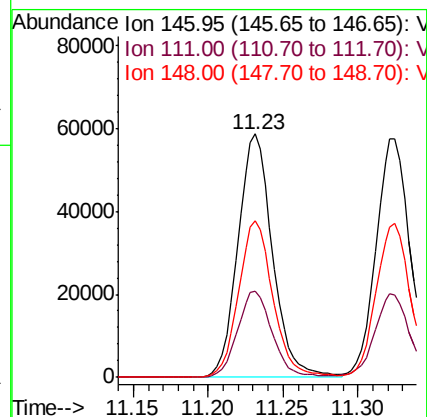
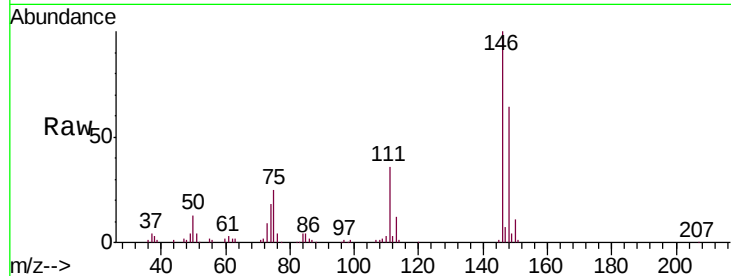
Instrument :

MSVOA_V

ClientSampleId :

VSTD00568

Tgt Ion:	146	Resp:	94643
Ion	Ratio	Lower	Upper
146	100		
111	35.6	25.0	46.4
148	64.5	44.6	82.8



#63

1,4-Dichlorobenzene

Concen: 4.891 ug/L

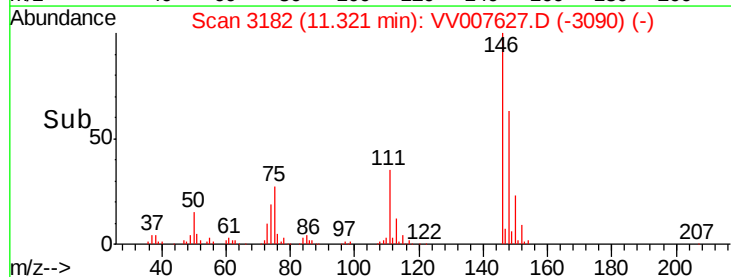
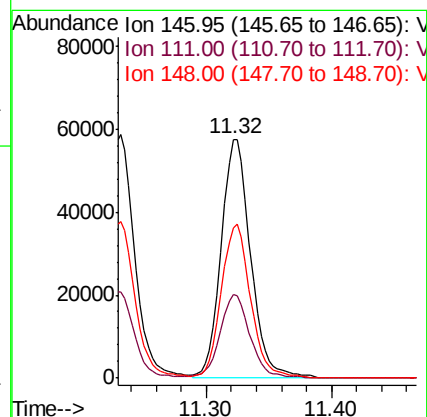
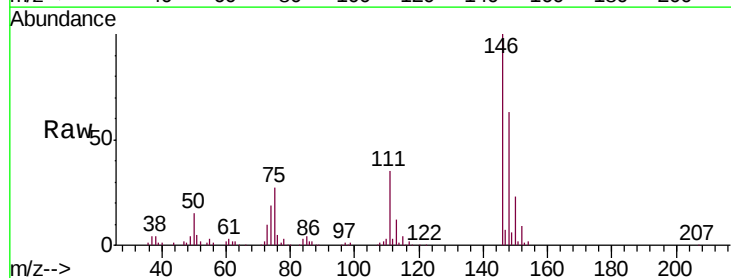
RT: 11.32 min Scan# 3182

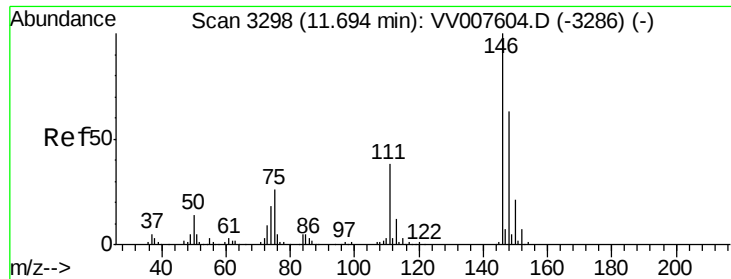
Delta R.T. -0.00 min

Lab File: VV007627.D

Acq: 19 Sep 2018 02:52

Tgt Ion:	146	Resp:	93938
Ion	Ratio	Lower	Upper
146	100		
111	35.1	24.5	45.5
148	63.0	44.0	81.8





#65

1,2-Dichlorobenzene

Concen: 4.877 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VV007627.D

Acq: 19 Sep 2018 02:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD00568

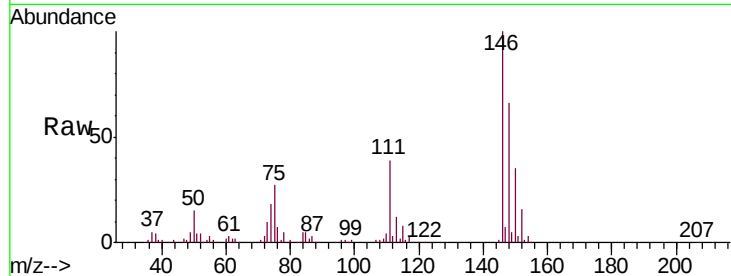
Tgt Ion:146 Resp: 87009

Ion Ratio Lower Upper

146 100

111 39.2 30.6 46.0

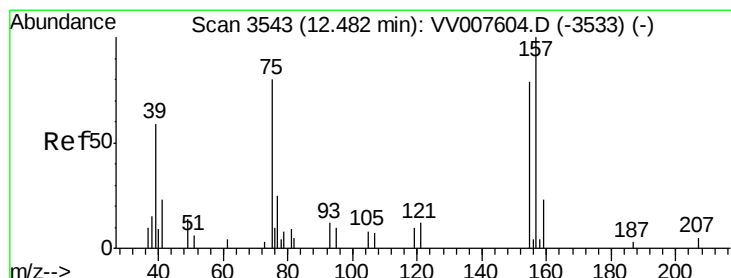
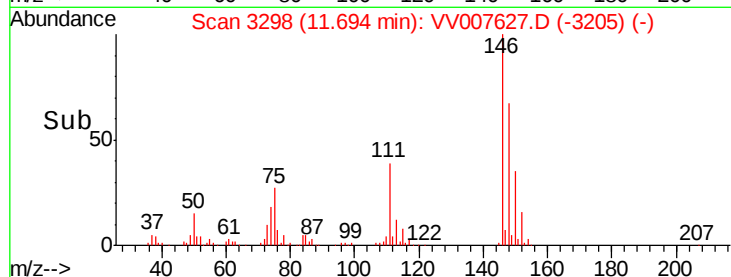
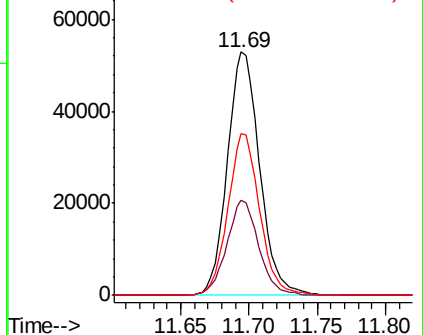
148 66.4 51.3 76.9



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



#66

1,2-Dibromo-3-chloropropane

Concen: 4.538 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. -0.00 min

Lab File: VV007627.D

Acq: 19 Sep 2018 02:52

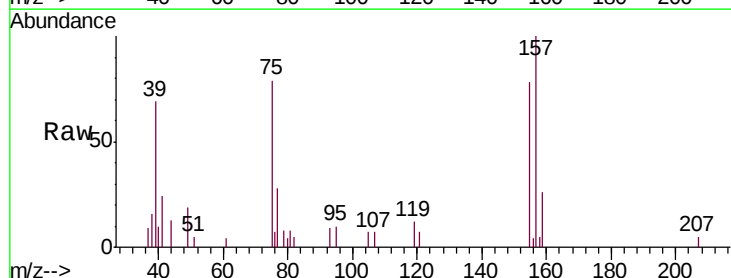
Tgt Ion: 75 Resp: 3420

Ion Ratio Lower Upper

75 100

155 99.6 79.1 118.7

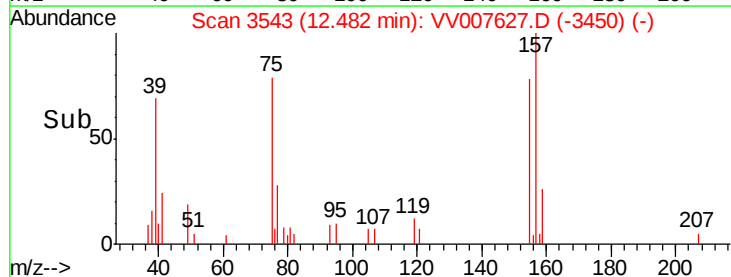
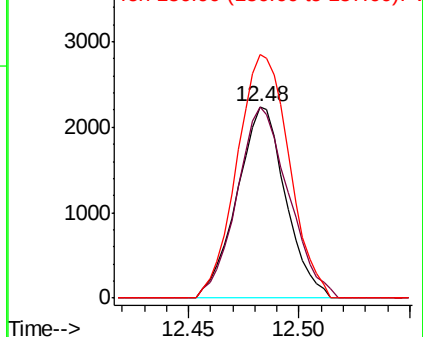
157 127.3 109.8 164.6

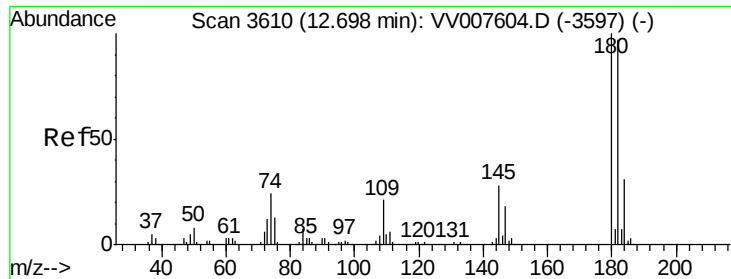


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

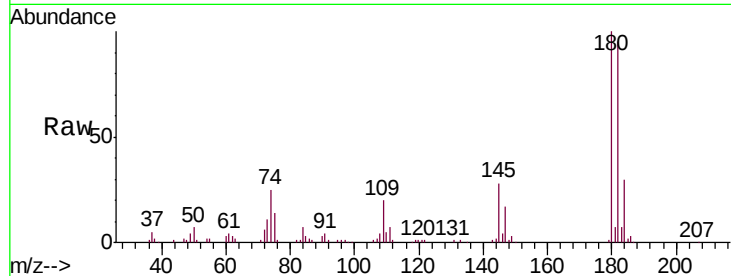




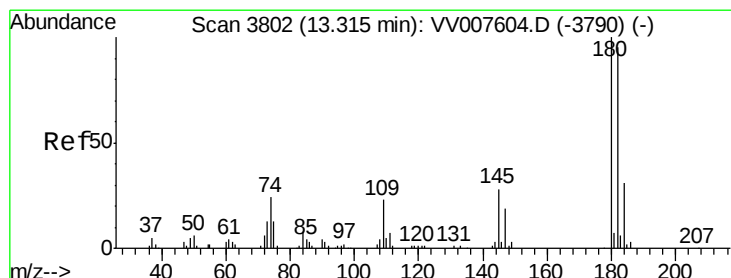
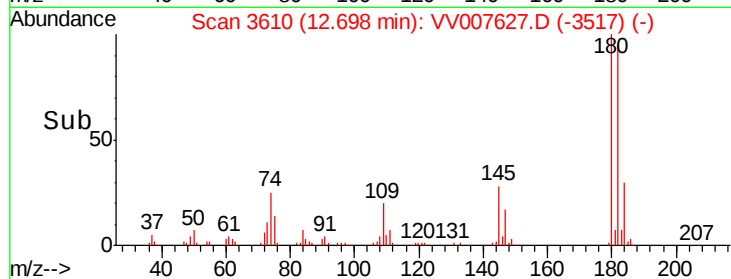
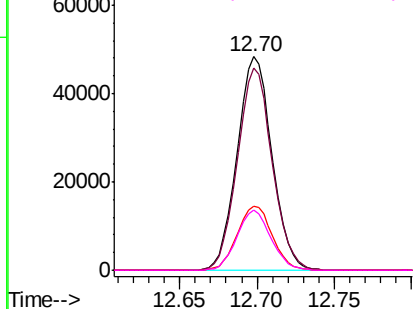
#67
 1,3,5-Trichlorobenzene
 Concen: 4.926 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV007627.D
 Acq: 19 Sep 2018 02:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00568

Tgt Ion:180 Resp: 75692
 Ion Ratio Lower Upper
 180 100
 182 94.5 75.4 113.2
 184 30.1 24.6 36.8
 145 27.4 21.4 32.0

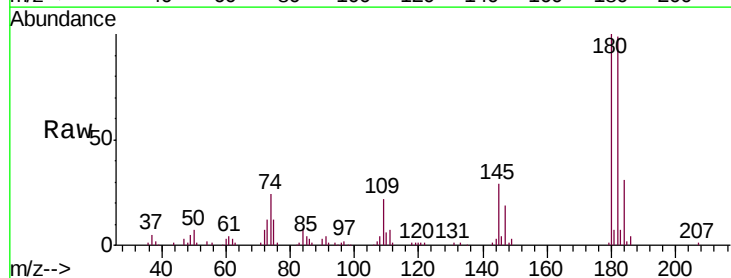


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

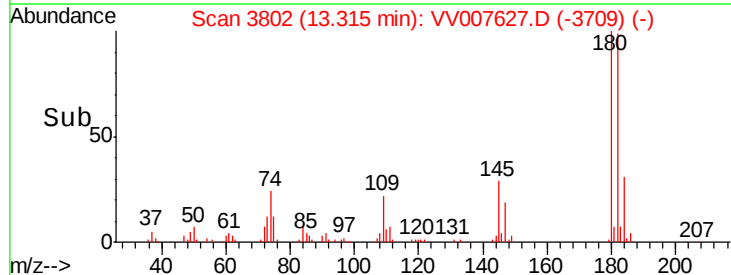
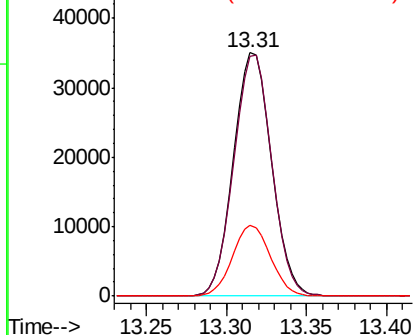


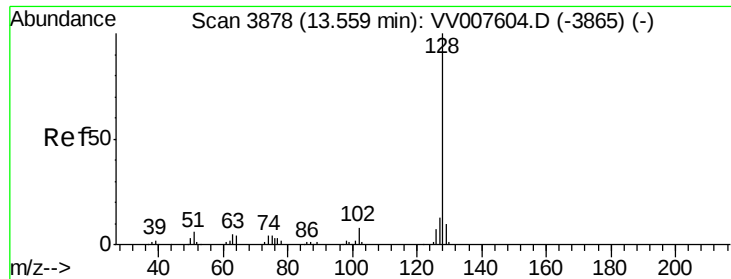
#68
 1,2,4-trichlorobenzene
 Concen: 5.276 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. -0.00 min
 Lab File: VV007627.D
 Acq: 19 Sep 2018 02:52

Tgt Ion:180 Resp: 56888
 Ion Ratio Lower Upper
 180 100
 182 98.5 77.9 116.9
 145 29.0 23.1 34.7



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: 5.429 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. -0.00 min

Lab File: VV007627.D

Acq: 19 Sep 2018 02:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD00568

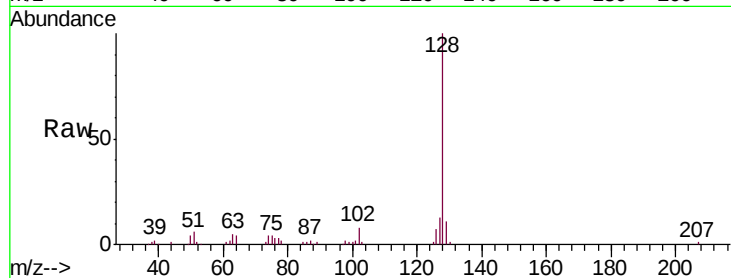
Tgt Ion:128 Resp: 68359

Ion Ratio Lower Upper

128 100

129 10.6 8.6 12.8

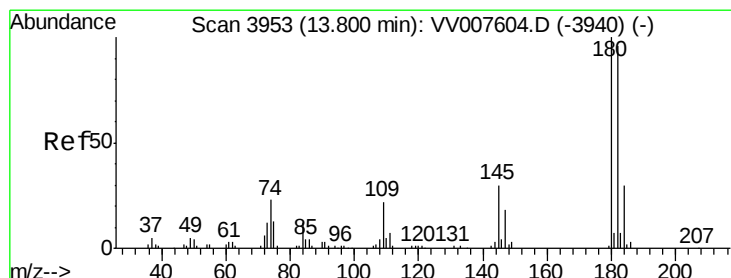
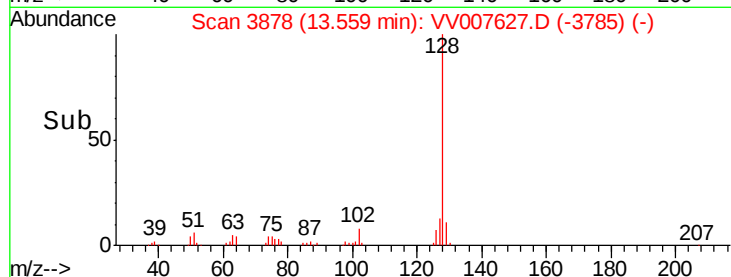
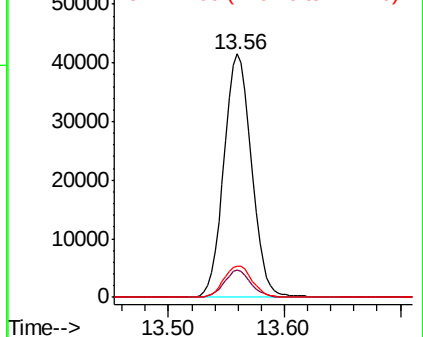
127 13.2 10.4 15.6



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: 5.226 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. -0.00 min

Lab File: VV007627.D

Acq: 19 Sep 2018 02:52

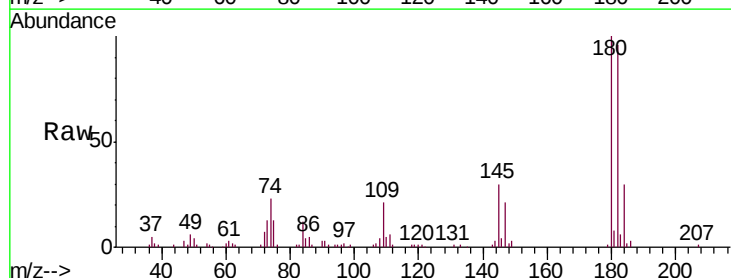
Tgt Ion:180 Resp: 51782

Ion Ratio Lower Upper

180 100

182 96.4 75.1 112.7

145 30.0 23.6 35.4



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

