

Data File : VV011591.D
Acq On : 18 Jun 2019 22:57
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00558

Quant Time: Jun 19 02:14:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jun 19 02:08:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	181202	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	169376	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	74881	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	53726	3.93	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.60%
7) Chloroethane-d5	1.58	69	39811	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.80%
11) 1,1-Dichloroethene-d2	2.12	63	112198	4.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.20%
20) 2-Butanone-d5	3.96	46	201366	52.31	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.62%
24) Chloroform-d	4.40	84	125389	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	5.08	65	71466	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
32) Benzene-d6	5.09	84	236006	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	6.12	67	73455	4.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.60%
41) Toluene-d8	7.36	98	211529	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
43) trans-1,3-Dichloropropene-	7.66	79	25368	4.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.00%
46) 2-Hexanone-d5	8.14	63	152755	49.59	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.18%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	57744	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	73092	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	86799	5.370	ug/L 99
3) Chloromethane	1.25	50	77511	4.427	ug/L 99
5) Vinyl chloride	1.32	62	78815	4.558	ug/L 98
6) Bromomethane	1.53	94	29521	4.083	ug/L 99
8) Chloroethane	1.59	64	39122	4.672	ug/L 99
9) Trichlorofluoromethane	1.76	101	99430	5.220	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	57644	5.298	ug/L 99
12) 1,1-Dichloroethene	2.13	96	53515	4.749	ug/L 94
13) Acetone	2.21	43	115908	44.678	ug/L 99
14) Carbon disulfide	2.31	76	132635	4.354	ug/L 99
15) Methyl Acetate	2.47	43	29486	4.287	ug/L 98
16) Methylene chloride	2.53	84	60212	4.701	ug/L 99
17) Methyl tert-butyl Ether	2.81	73	160079	4.737	ug/L 99
18) trans-1,2-Dichloroethene	2.78	96	62298	4.889	ug/L 96
19) 1,1-Dichloroethane	3.22	63	126671	4.805	ug/L 97
21) 2-Butanone	4.04	43	195586	47.652	ug/L 99
22) cis-1,2-Dichloroethene	3.96	96	69301	4.801	ug/L 93

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Instrument :
MSVOA_V
ClientSampleId :
VSTD00558

Quant Time: Jun 19 02:14:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jun 19 02:08:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	26723	4.710	ug/L	94
25) Chloroform	4.42	83	128646	4.863	ug/L	96
27) 1,2-Dichloroethane	5.18	62	87369	4.686	ug/L	98
29) 1,1,1-Trichloroethane	4.65	97	103580	4.915	ug/L	99
30) Cyclohexane	4.72	56	111908	5.140	ug/L	100
31) Carbon tetrachloride	4.87	117	88580	5.194	ug/L	95
33) Benzene	5.14	78	273679	4.947	ug/L	100
34) Trichloroethene	5.96	95	71064	5.037	ug/L	99
35) Methylcyclohexane	6.17	83	110112	5.474	ug/L	98
37) 1,2-Dichloropropane	6.22	63	69010	4.686	ug/L	100
38) Bromodichloromethane	6.55	83	78300	4.680	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	89495	4.828	ug/L	96
40) 4-Methyl-2-pentanone	7.28	43	500311	47.659	ug/L	99
42) Toluene	7.43	91	285426	4.979	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	69561	4.906	ug/L	96
45) 1,1,2-Trichloroethane	7.88	97	48014	4.884	ug/L	95
47) Tetrachloroethene	8.02	164	51960	5.165	ug/L	97
48) 2-Hexanone	8.19	43	356181	48.265	ug/L	100
49) Dibromochloromethane	8.29	129	47708	4.830	ug/L	100
50) 1,2-Dibromoethane	8.40	107	42972	4.834	ug/L	97
51) Chlorobenzene	8.93	112	174148	4.946	ug/L	100
52) Ethylbenzene	9.05	91	306961	5.097	ug/L	99
53) m,p-xylene	9.18	106	112911	5.124	ug/L	98
54) o-xylene	9.59	106	111123	5.021	ug/L	99
55) Styrene	9.60	104	184941	5.038	ug/L	99
56) Isopropylbenzene	9.97	105	296590	5.265	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	54972	4.573	ug/L	95
59) 1,2,3-Trichloropropane	10.32	75	43007	4.678	ug/L	99
61) Bromoform	9.77	173	22026	4.613	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	119713	4.931	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	120451	4.870	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	120578	4.934	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	7520	4.237	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	86824	4.896	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	64971	4.563	ug/L	98
69) Naphthalene	13.55	128	119947	4.283	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	64576	4.676	ug/L	100

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

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ALS Vial      : 24      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD00558

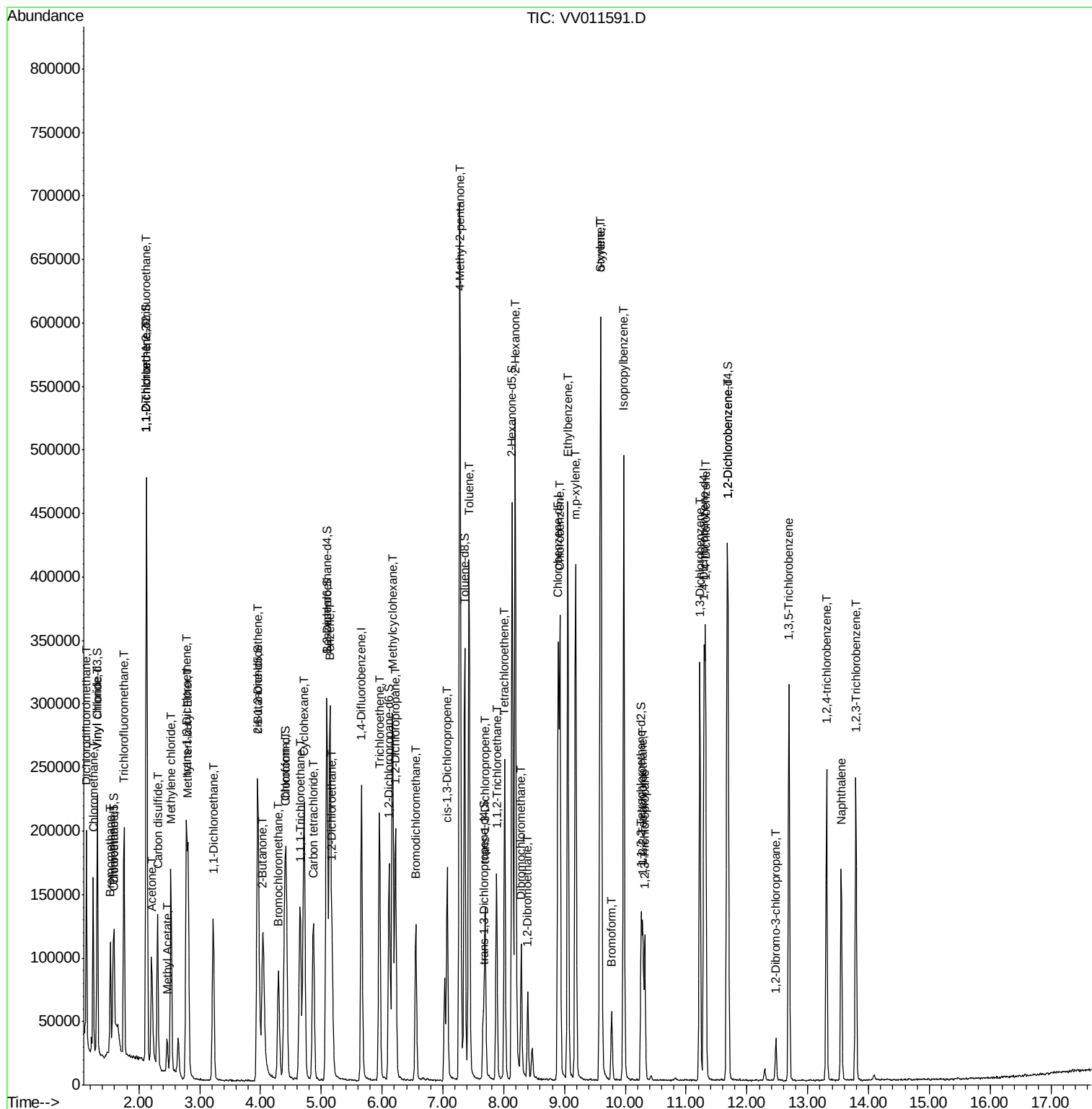
Quant Time: Jun 19 02:14:53 2019

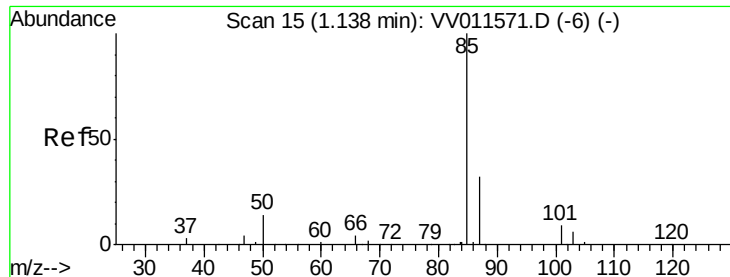
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR061419WMA.M

Quant Title : TRACE VOA SOM01.0

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.370 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV011591.D

Acq: 18 Jun 2019 22:57

Instrument :

MSVOA_V

ClientSampleId :

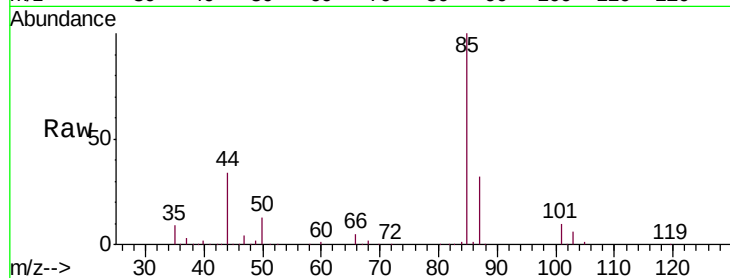
VSTD00558

Tgt Ion: 85 Resp: 86799

Ion Ratio Lower Upper

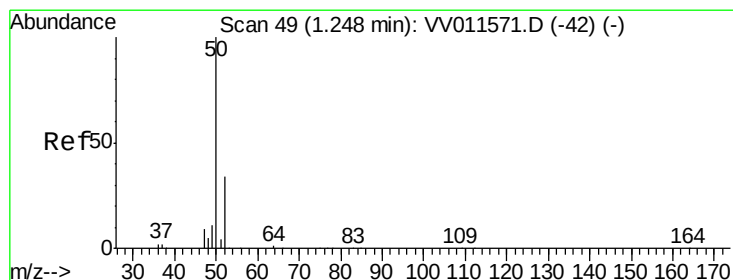
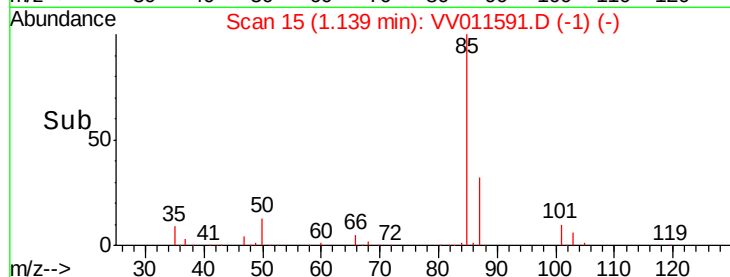
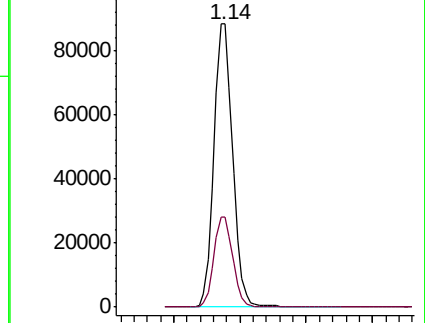
85 100

87 32.1 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.427 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV011591.D

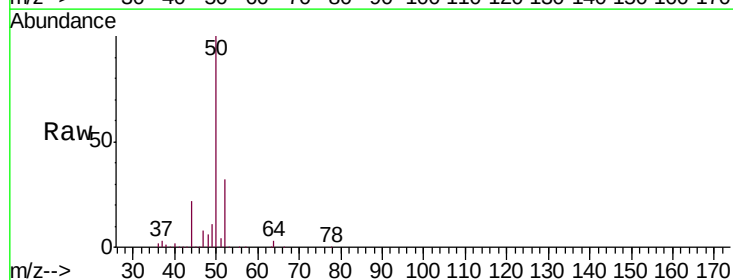
Acq: 18 Jun 2019 22:57

Tgt Ion: 50 Resp: 77511

Ion Ratio Lower Upper

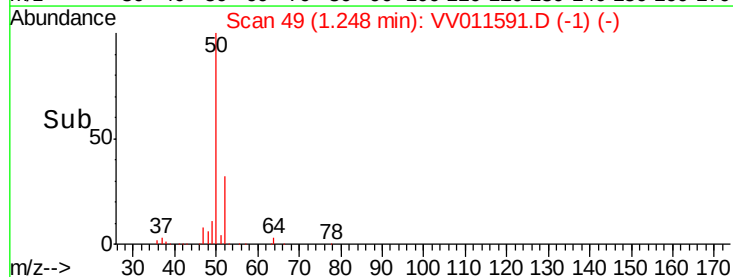
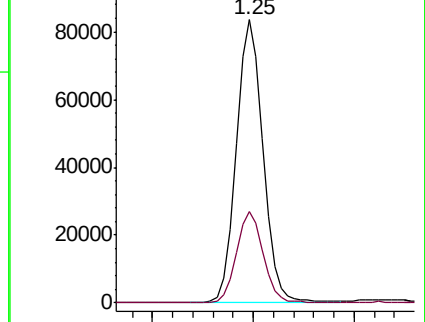
50 100

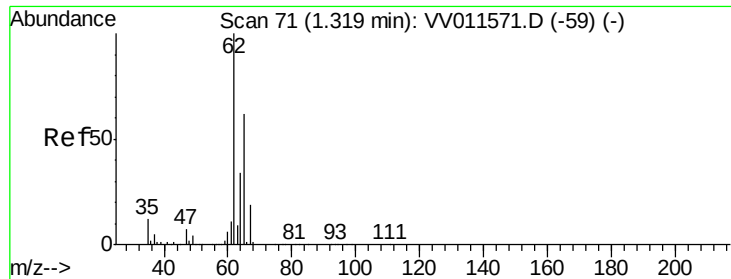
52 32.1 22.7 42.1



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.558 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV011591.D

Acq: 18 Jun 2019 22:57

Instrument :

MSVOA_V

ClientSampleId :

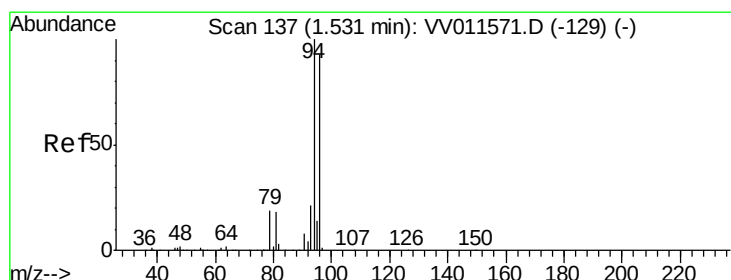
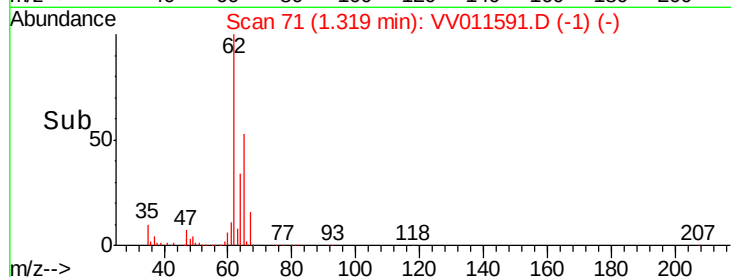
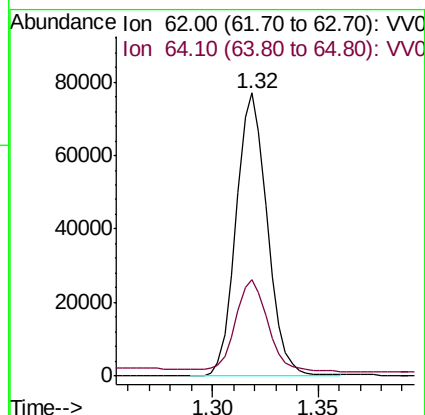
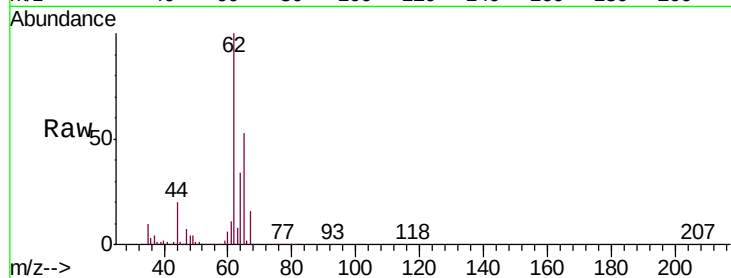
VSTD00558

Tgt Ion: 62 Resp: 78815

Ion Ratio Lower Upper

62 100

64 34.0 23.0 42.6



#6

Bromomethane

Concen: 4.083 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV011591.D

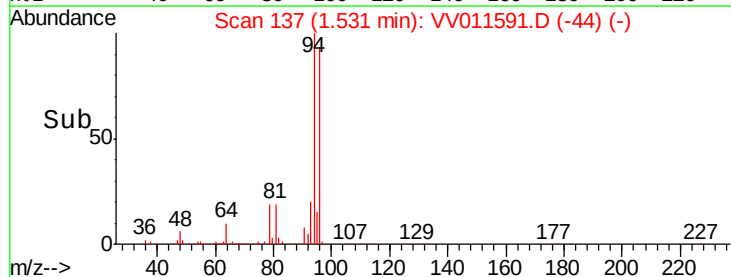
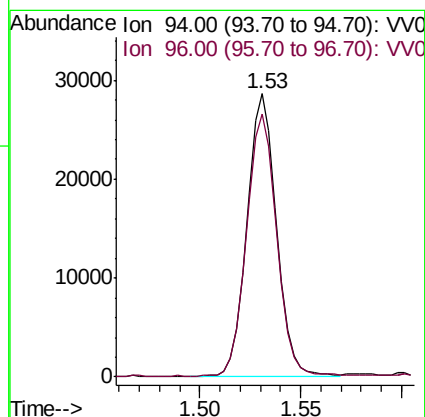
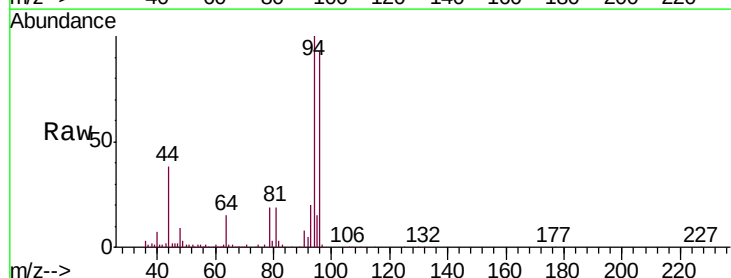
Acq: 18 Jun 2019 22:57

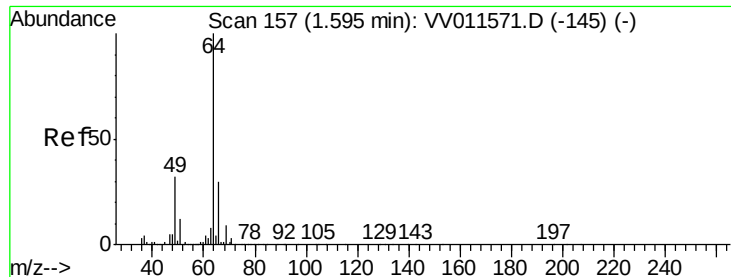
Tgt Ion: 94 Resp: 29521

Ion Ratio Lower Upper

94 100

96 93.1 65.5 121.7





#8

Chloroethane

Concen: 4.672 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV011591.D

Acq: 18 Jun 2019 22:57

Instrument :

MSVOA_V

ClientSampleId :

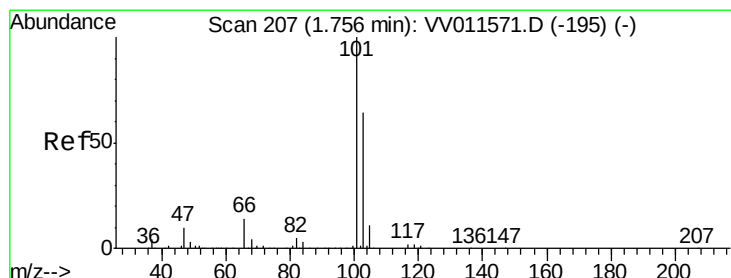
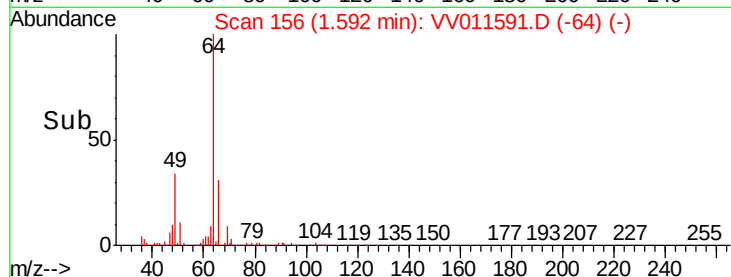
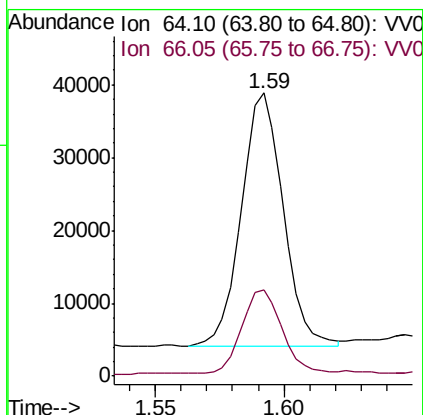
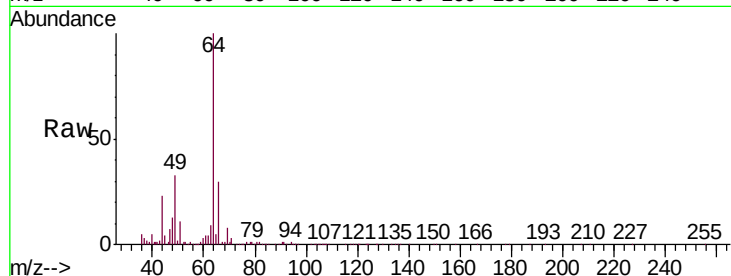
VSTD00558

Tgt Ion: 64 Resp: 39122

Ion Ratio Lower Upper

64 100

66 30.3 21.6 40.2



#9

Trichlorofluoromethane

Concen: 5.220 ug/L

RT: 1.76 min Scan# 207

Delta R.T. 0.00 min

Lab File: VV011591.D

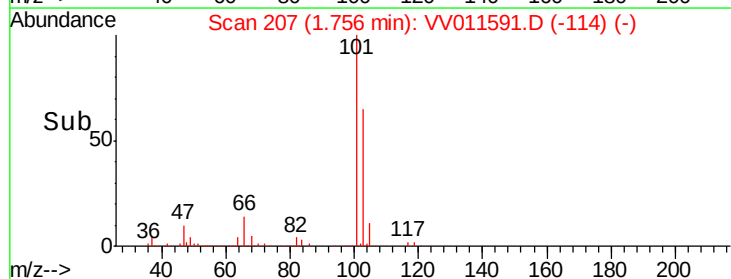
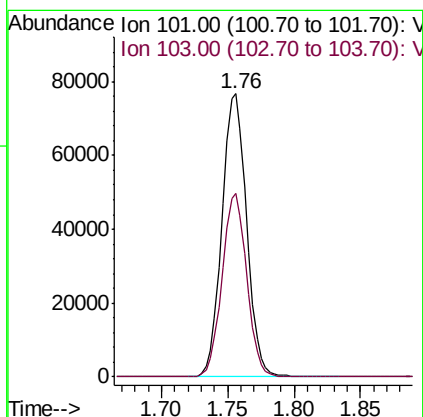
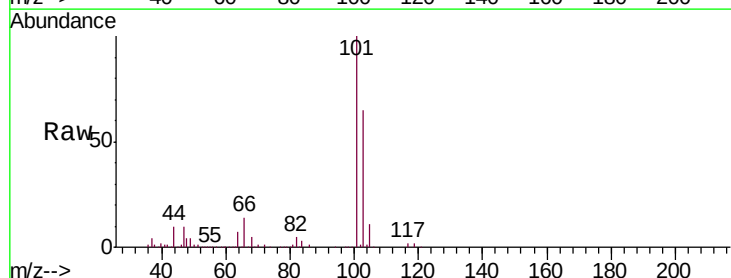
Acq: 18 Jun 2019 22:57

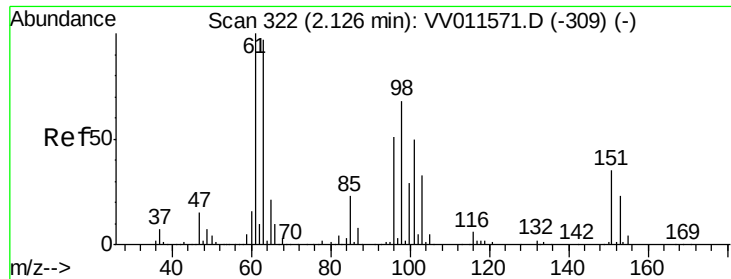
Tgt Ion: 101 Resp: 99430

Ion Ratio Lower Upper

101 100

103 64.3 52.5 78.7





#10

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

Concen: 5.298 ug/L

RT: 2.13 min Scan# 322

Delta R.T. 0.00 min

Lab File: VV011591.D

Acq: 18 Jun 2019 22:57

Instrument :

MSVOA_V

ClientSampled :

VSTD00558

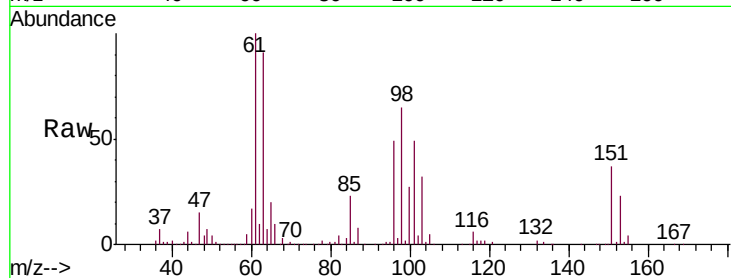
Tgt Ion: 101 Resp: 57644

Ion Ratio Lower Upper

101 100

85 47.0 37.3 55.9

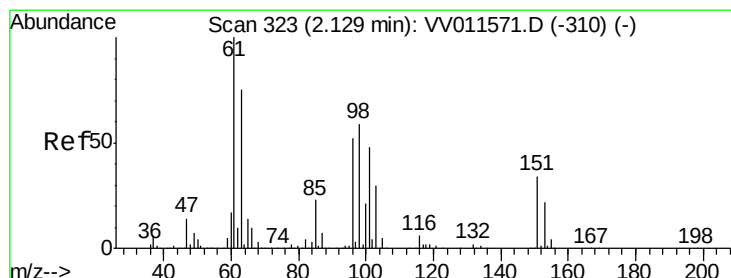
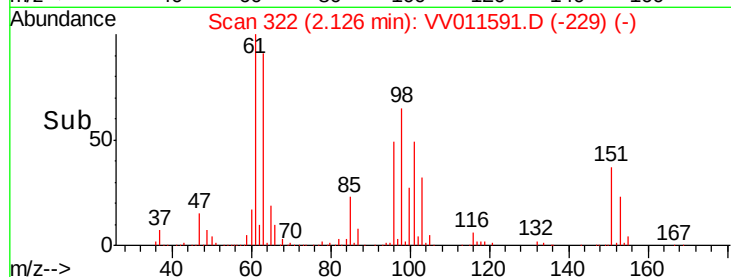
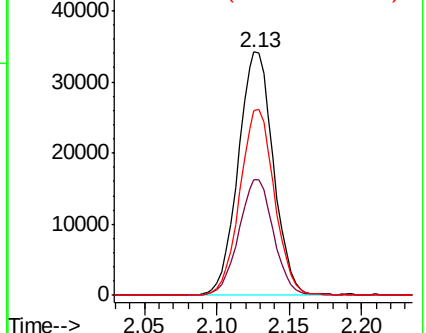
151 75.2 59.4 89.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.749 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV011591.D

Acq: 18 Jun 2019 22:57

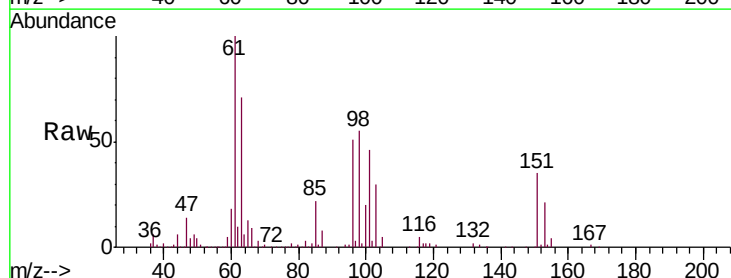
Tgt Ion: 96 Resp: 53515

Ion Ratio Lower Upper

96 100

61 194.5 135.9 252.5

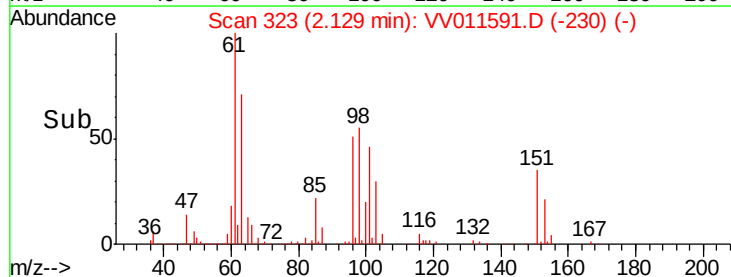
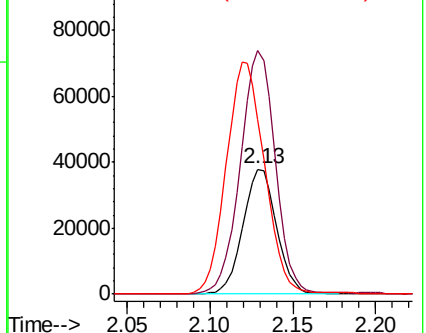
63 139.0 86.2 160.2

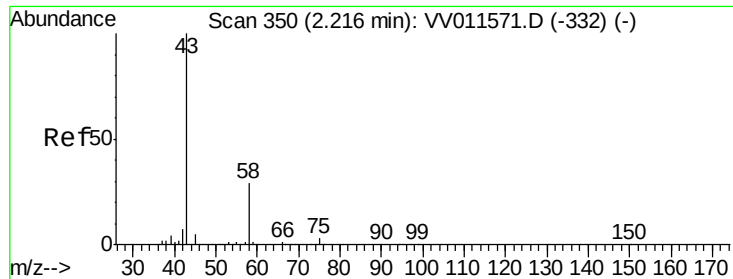


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 44.678 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.00 min

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Instrument :

MSVOA_V

ClientSampleId :

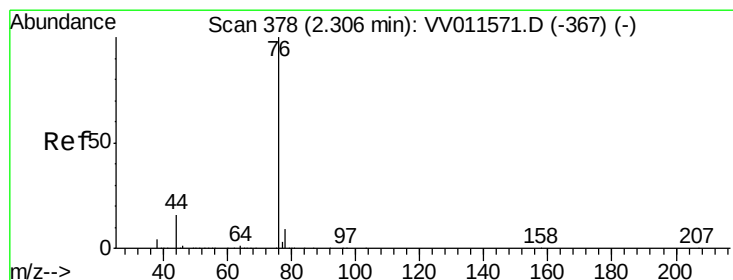
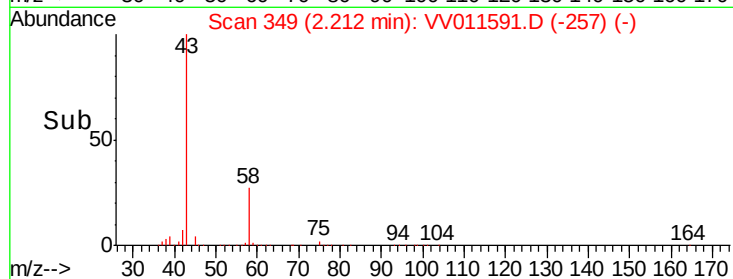
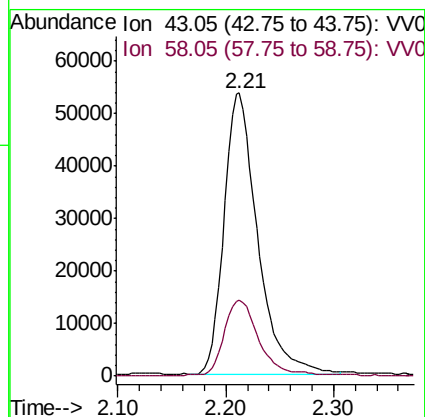
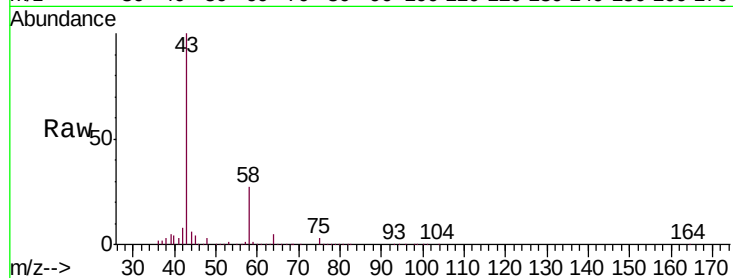
VSTD00558

Tgt Ion: 43 Resp: 115908

Ion Ratio Lower Upper

43 100

58 28.4 0.0 57.8



#14

Carbon disulfide

Concen: 4.354 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV011591.D

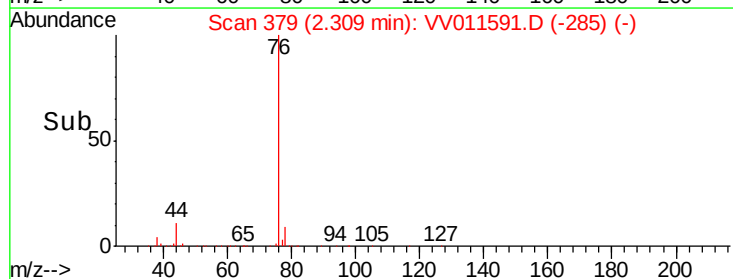
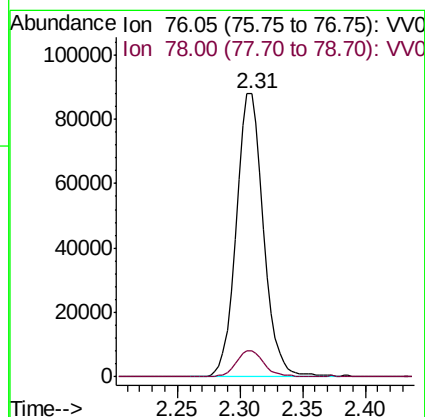
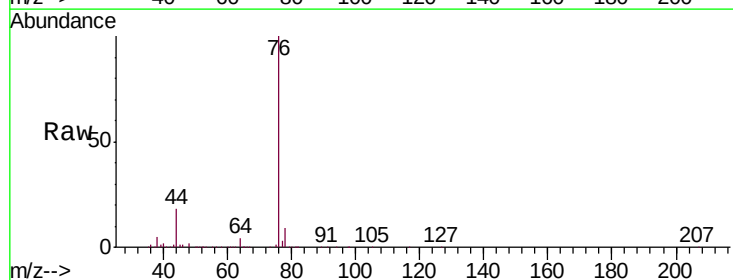
Acq: 18 Jun 2019 22:57

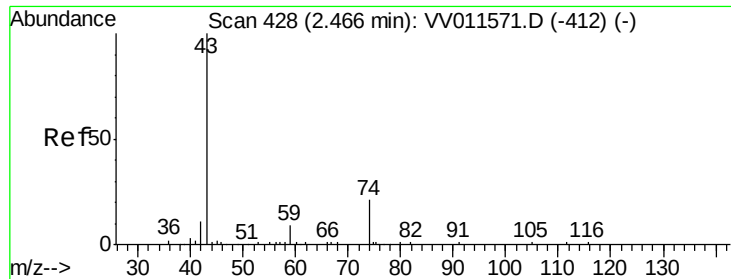
Tgt Ion: 76 Resp: 132635

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

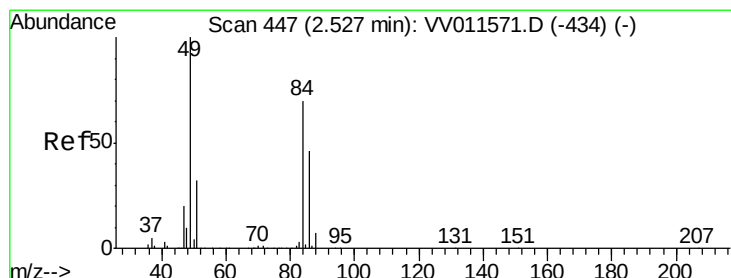
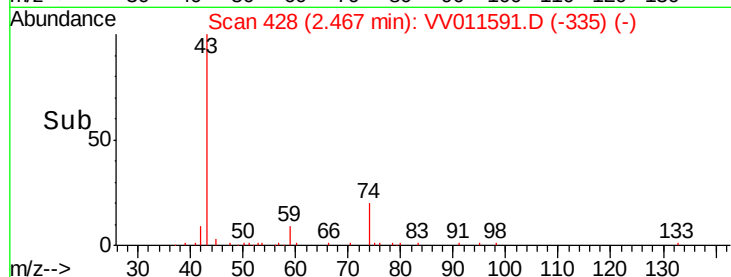
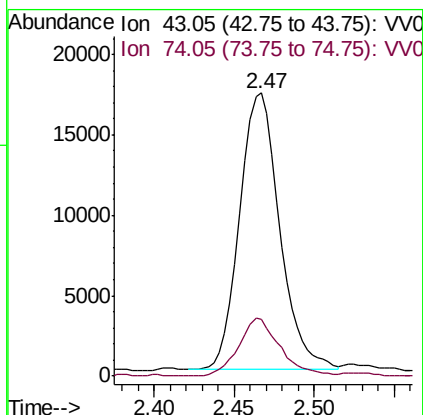
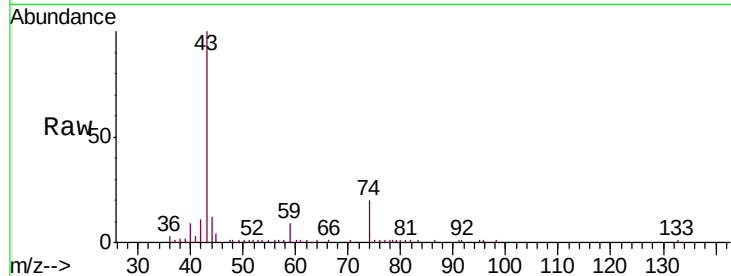




#15
Methyl Acetate
Concen: 4.287 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VV011591.D
Acq: 18 Jun 2019 22:57

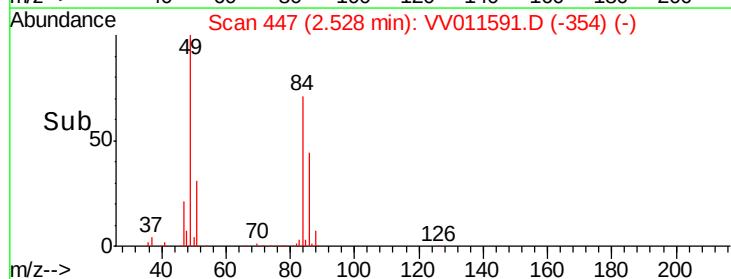
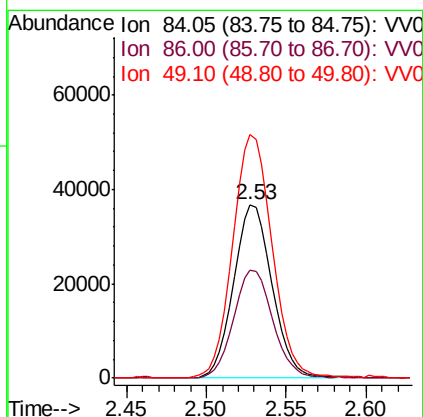
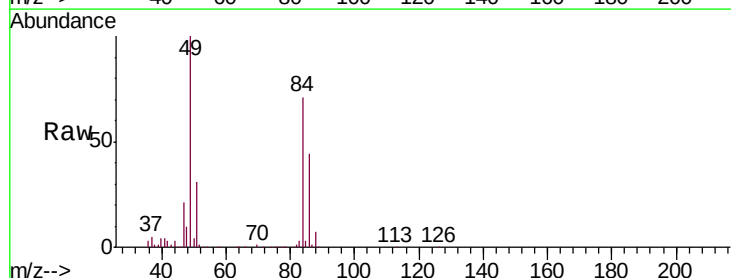
Instrument :
MSVOA_V
ClientSampleId :
VSTD00558

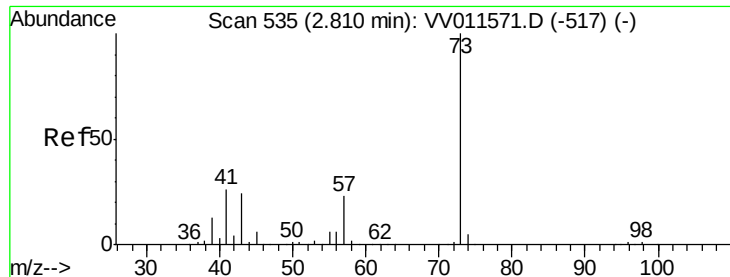
Tgt Ion: 43 Resp: 29486
Ion Ratio Lower Upper
43 100
74 21.6 16.5 24.7



#16
Methylene chloride
Concen: 4.701 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV011591.D
Acq: 18 Jun 2019 22:57

Tgt Ion: 84 Resp: 60212
Ion Ratio Lower Upper
84 100
86 62.2 42.5 78.9
49 140.4 97.7 181.5





#17

Methyl tert-butyl Ether

Concen: 4.737 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV011591.D

Acq: 18 Jun 2019 22:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD00558

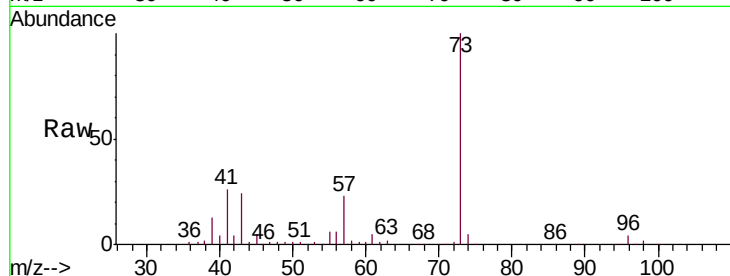
Tgt Ion: 73 Resp: 160079

Ion Ratio Lower Upper

73 100

43 23.4 18.2 27.4

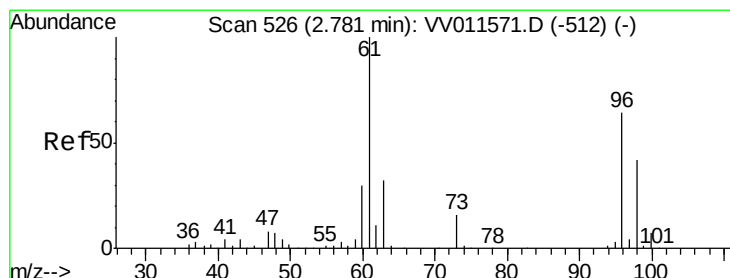
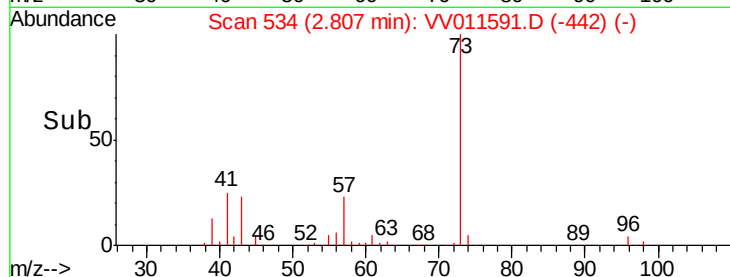
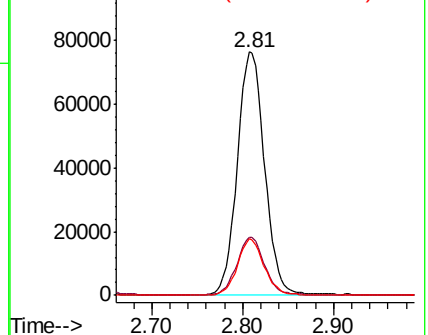
57 22.6 17.4 26.2



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 4.889 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV011591.D

Acq: 18 Jun 2019 22:57

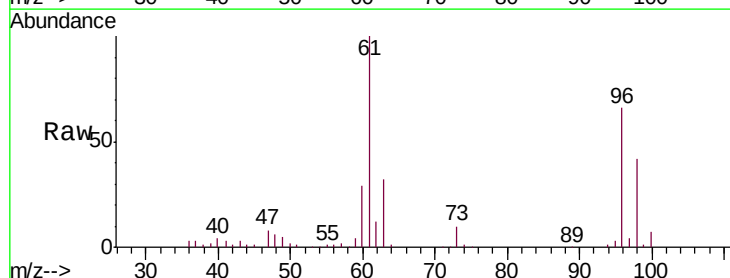
Tgt Ion: 96 Resp: 62298

Ion Ratio Lower Upper

96 100

61 151.6 110.0 204.4

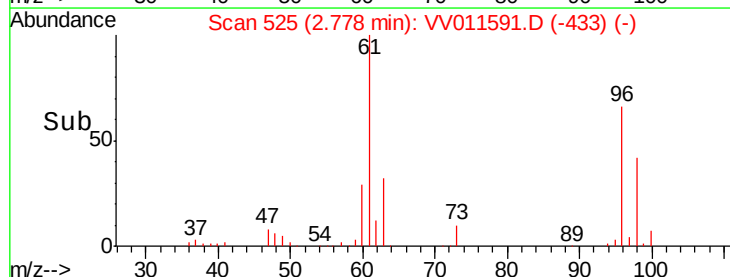
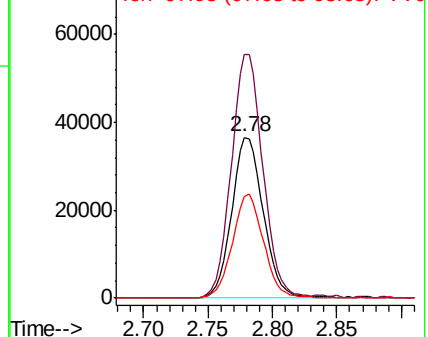
98 63.1 45.8 85.0

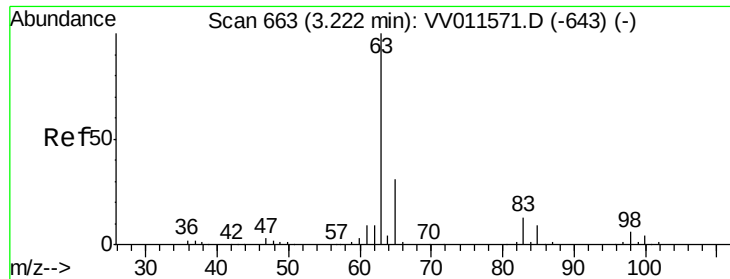


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

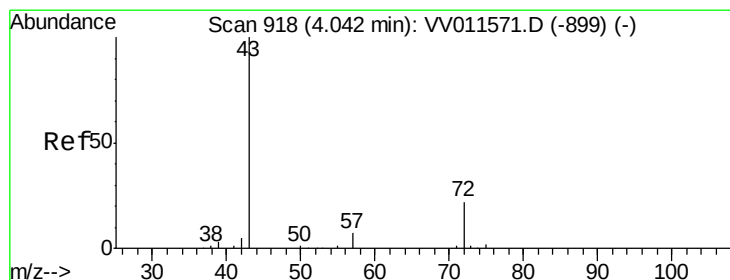
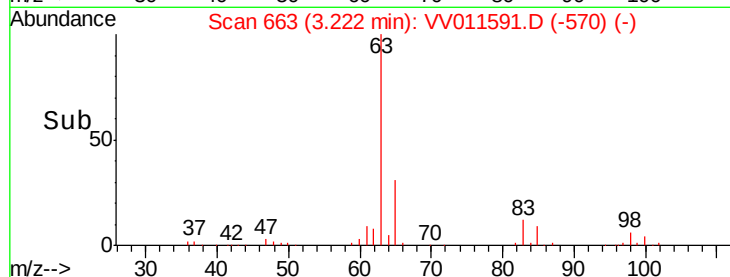
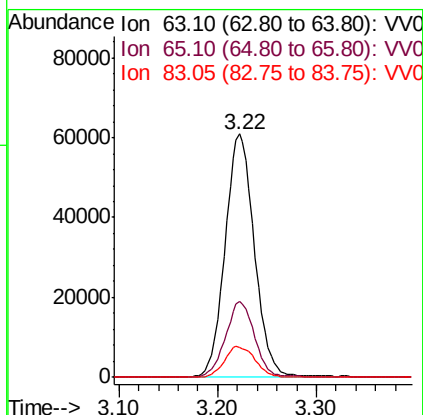
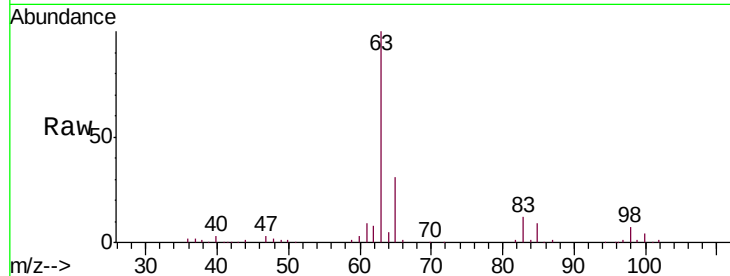




#19
 1,1-Dichloroethane
 Concen: 4.805 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. 0.00 min
 Lab File: VV011591.D
 Acq: 18 Jun 2019 22:57

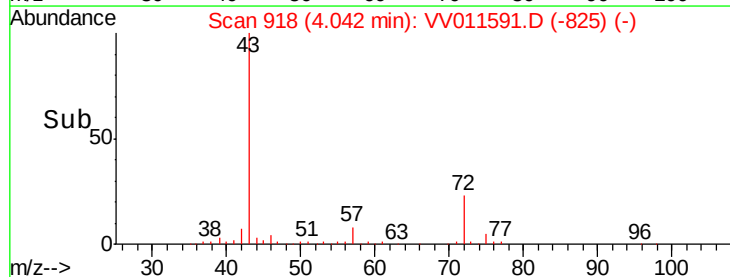
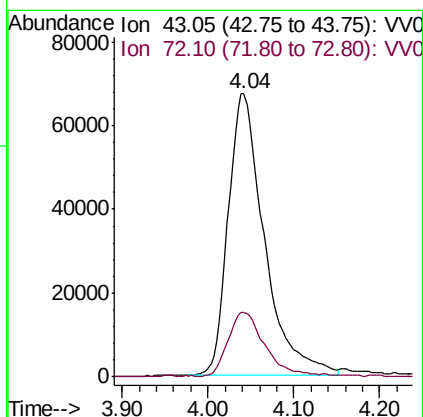
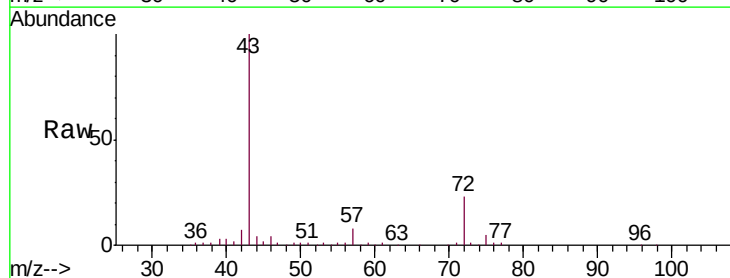
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00558

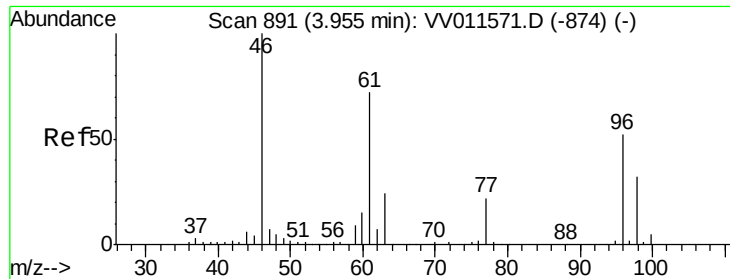
Tgt Ion: 63 Resp: 126671
 Ion Ratio Lower Upper
 63 100
 65 31.1 22.5 41.9
 83 12.3 10.1 18.9



#21
 2-Butanone
 Concen: 47.652 ug/L
 RT: 4.04 min Scan# 918
 Delta R.T. 0.00 min
 Lab File: VV011591.D
 Acq: 18 Jun 2019 22:57

Tgt Ion: 43 Resp: 195586
 Ion Ratio Lower Upper
 43 100
 72 23.1 11.8 35.4



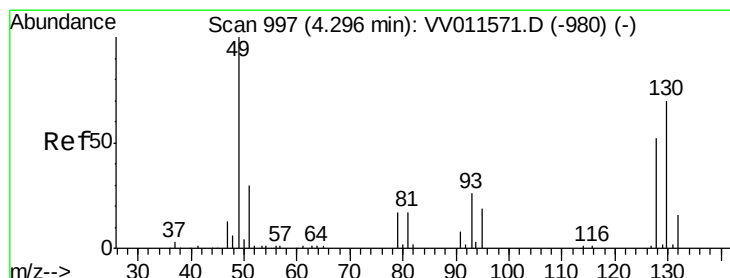
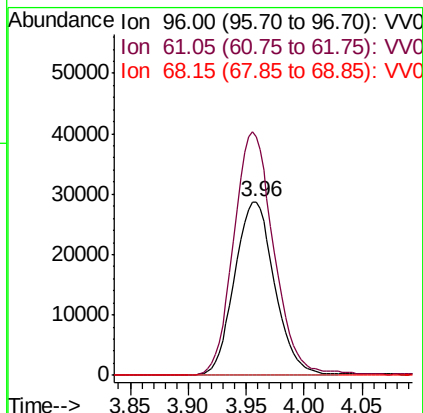
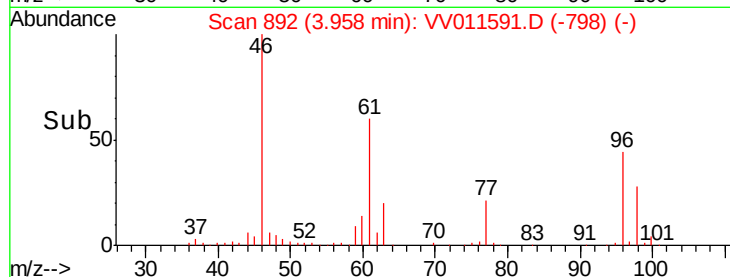
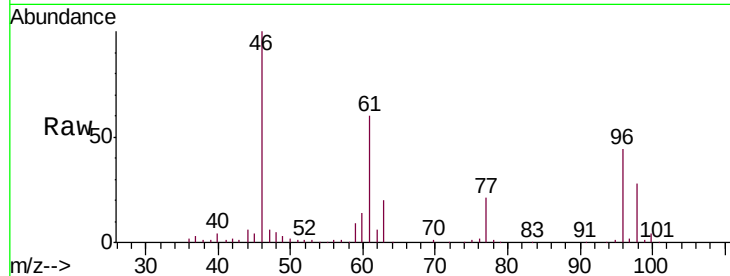


#22

cis-1,2-Dichloroethene
Concen: 4.801 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV011591.D
Acq: 18 Jun 2019 22:57

Instrument :
MSVOA_V
ClientSampleId :
VSTD00558

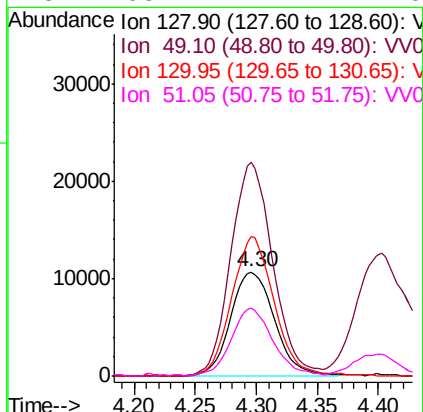
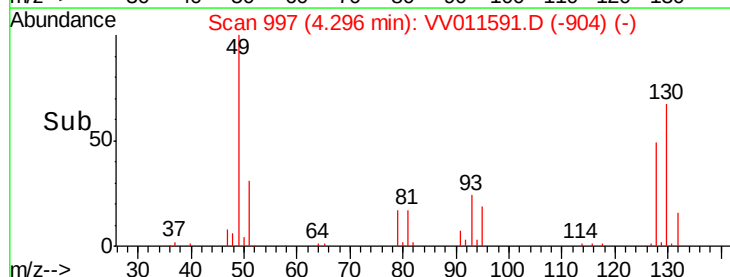
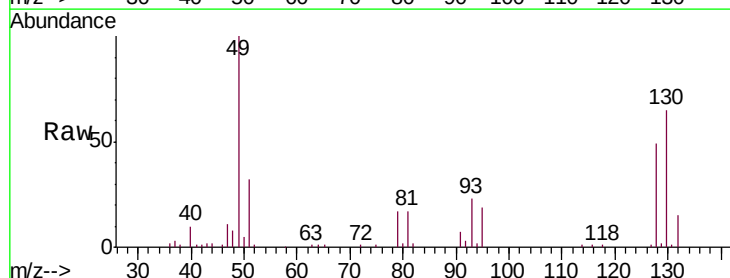
Tgt Ion: 96 Resp: 69301
Ion Ratio Lower Upper
96 100
61 137.5 102.2 189.8
68 0.0 0.0 0.0

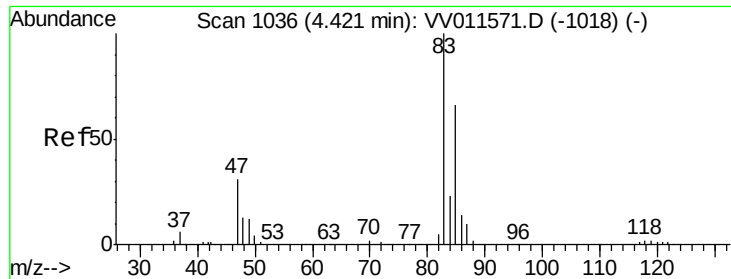


#23

Bromochloromethane
Concen: 4.710 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV011591.D
Acq: 18 Jun 2019 22:57

Tgt Ion: 128 Resp: 26723
Ion Ratio Lower Upper
128 100
49 205.5 136.2 253.0
130 134.5 91.3 169.5
51 65.4 47.4 71.0

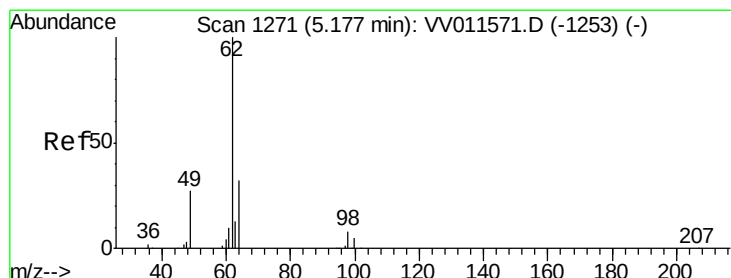
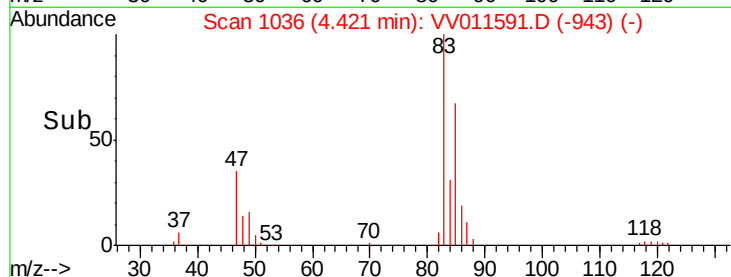
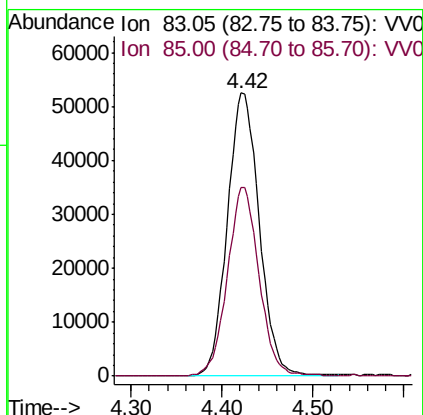
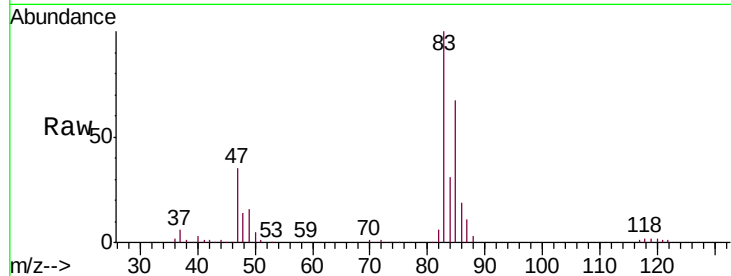




#25
Chloroform
Concen: 4.863 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV011591.D
Acq: 18 Jun 2019 22:57

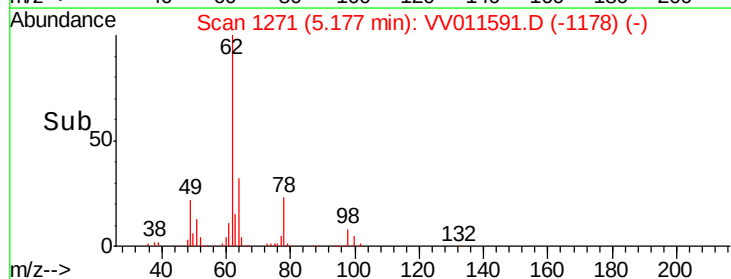
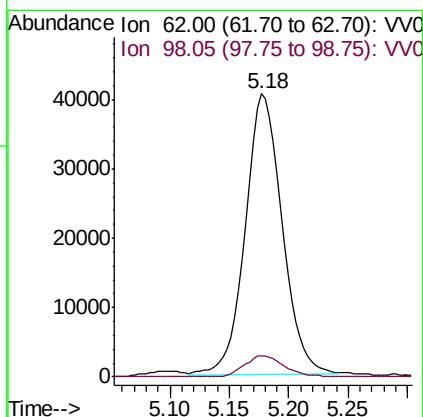
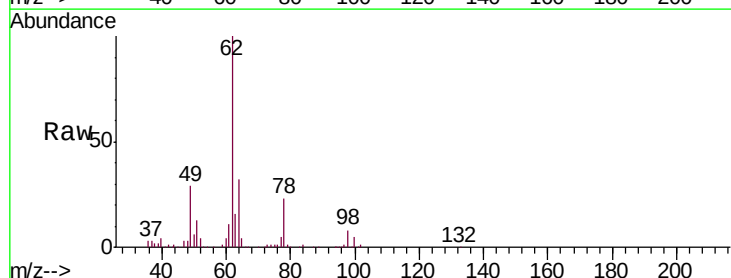
Instrument :
MSVOA_V
ClientSampled :
VSTD00558

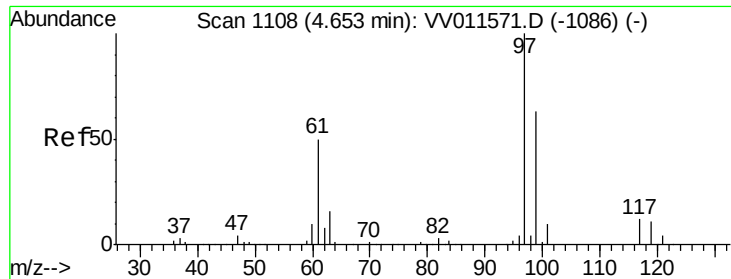
Tgt Ion: 83 Resp: 128646
Ion Ratio Lower Upper
83 100
85 66.8 44.6 82.8



#27
1,2-Dichloroethane
Concen: 4.686 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV011591.D
Acq: 18 Jun 2019 22:57

Tgt Ion: 62 Resp: 87369
Ion Ratio Lower Upper
62 100
98 7.5 6.5 9.7

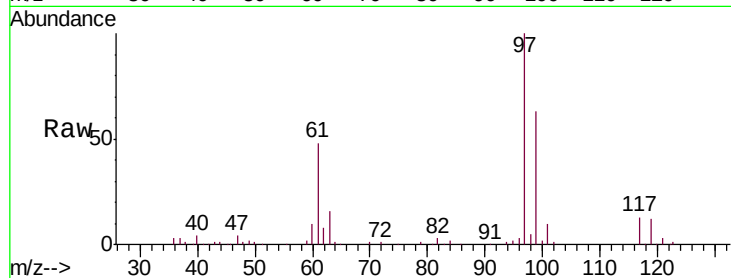




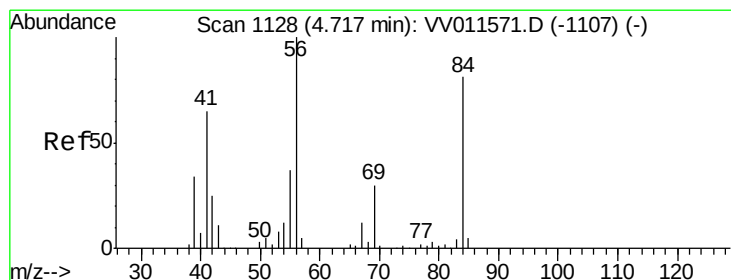
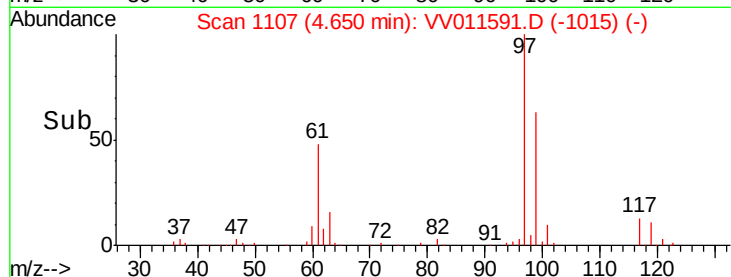
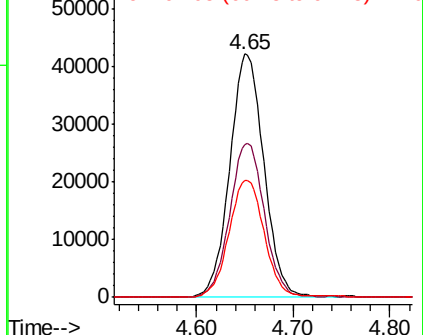
#29
 1,1,1-Trichloroethane
 Concen: 4.915 ug/L
 RT: 4.65 min Scan# 1107
 Delta R.T. -0.00 min
 Lab File: VV011591.D
 Acq: 18 Jun 2019 22:57

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00558

Tgt Ion: 97 Resp: 103580
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.6 77.4
 61 49.5 40.4 60.6

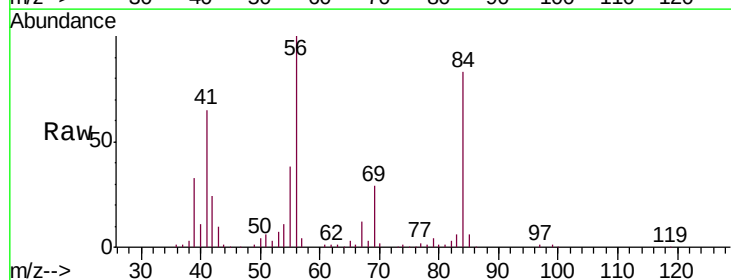


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

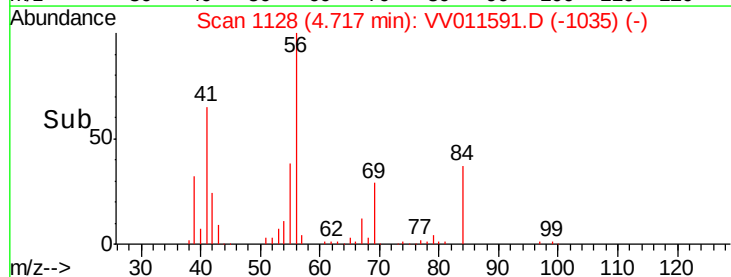
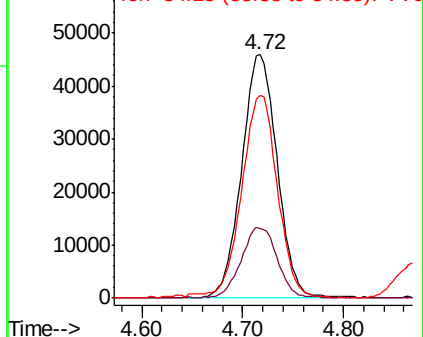


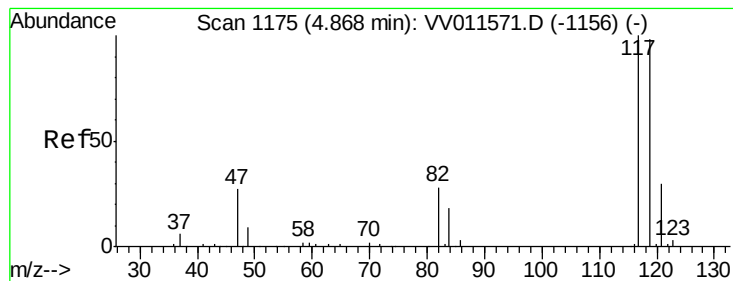
#30
 Cyclohexane
 Concen: 5.140 ug/L
 RT: 4.72 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VV011591.D
 Acq: 18 Jun 2019 22:57

Tgt Ion: 56 Resp: 111908
 Ion Ratio Lower Upper
 56 100
 69 29.6 24.1 36.1
 84 83.7 66.8 100.2



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





#31

Carbon tetrachloride

Concen: 5.194 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VV011591.D

Acq: 18 Jun 2019 22:57

Instrument :

MSVOA_V

ClientSampleId :

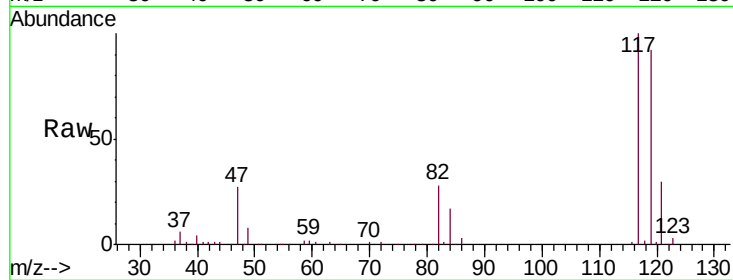
VSTD00558

Tgt Ion:117 Resp: 88580

Ion Ratio Lower Upper

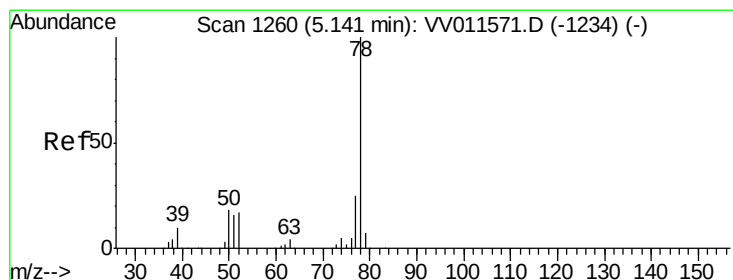
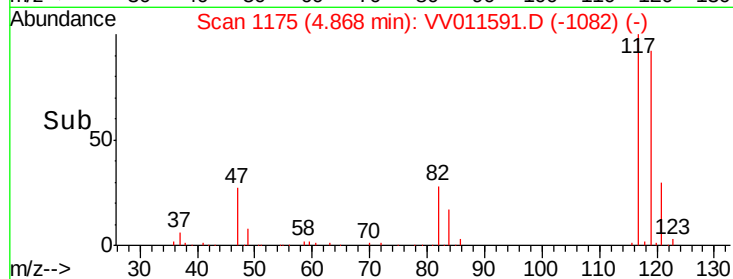
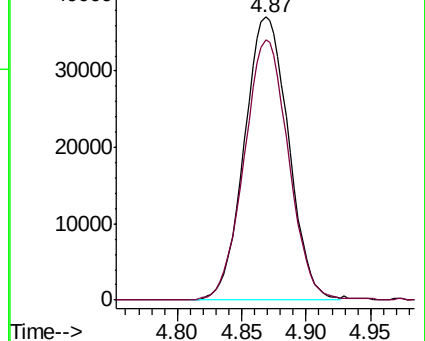
117 100

119 92.1 77.4 116.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.947 ug/L

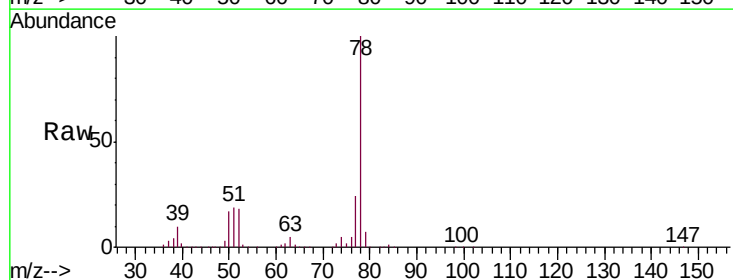
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

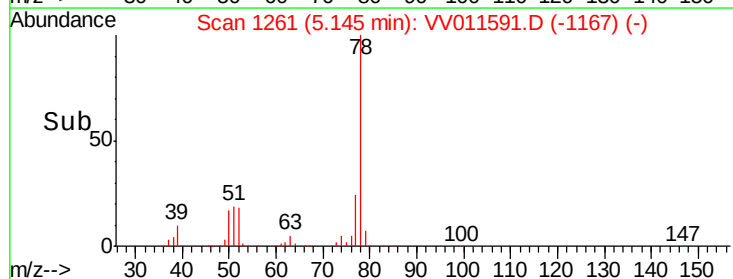
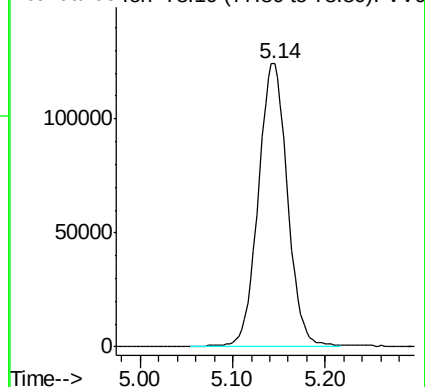
Lab File: VV011591.D

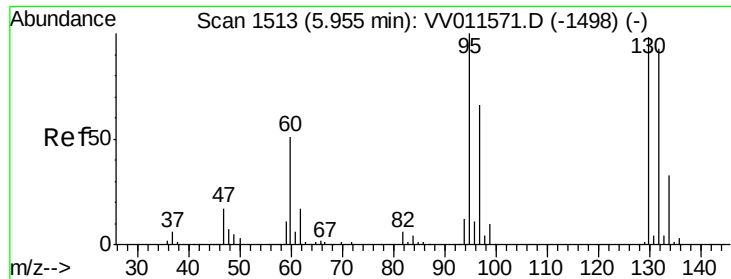
Acq: 18 Jun 2019 22:57

Tgt Ion: 78 Resp: 273679



Abundance Ion 78.10 (77.80 to 78.80): VV0

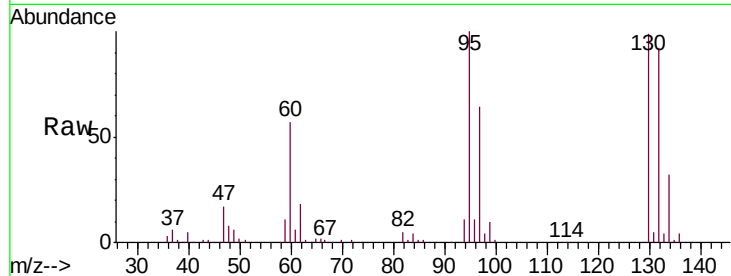




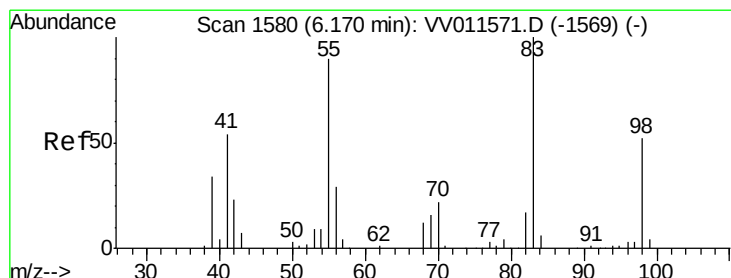
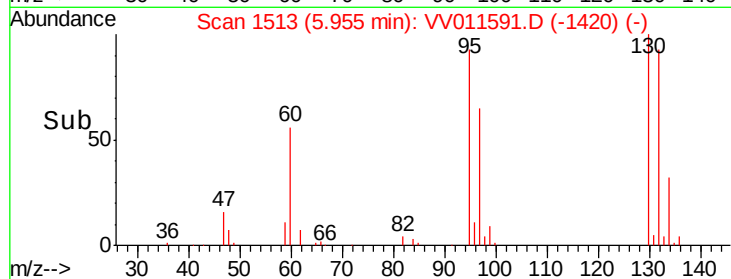
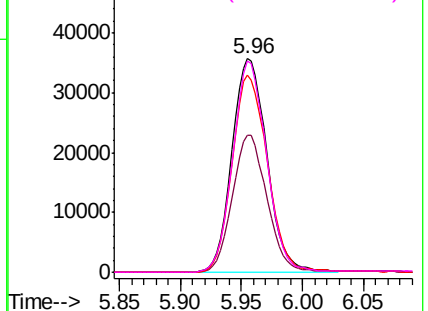
#34
 Trichloroethene
 Concen: 5.037 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VV011591.D
 Acq: 18 Jun 2019 22:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00558

Tgt Ion: 95 Resp: 71064
 Ion Ratio Lower Upper
 95 100
 97 64.4 44.4 82.4
 132 92.4 63.5 117.9
 130 98.9 68.5 127.3

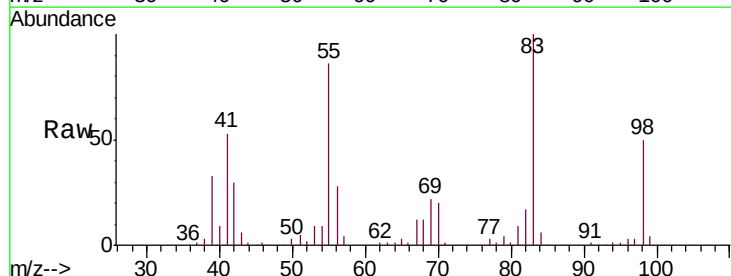


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

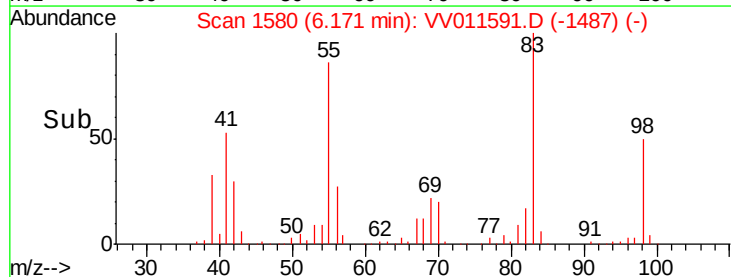
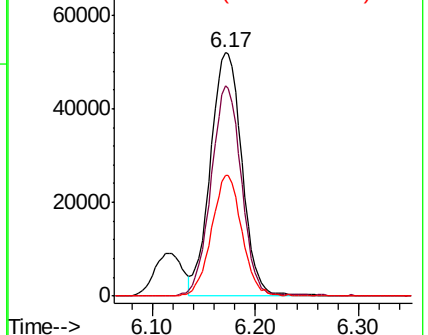


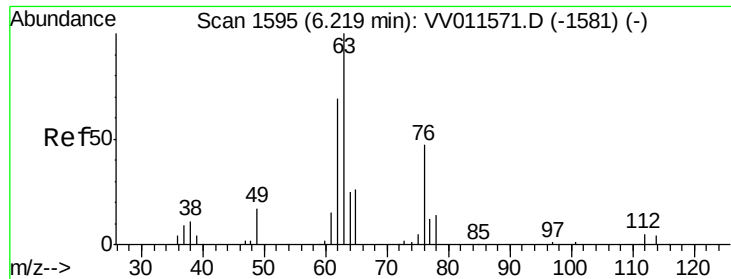
#35
 Methylcyclohexane
 Concen: 5.474 ug/L
 RT: 6.17 min Scan# 1580
 Delta R.T. 0.00 min
 Lab File: VV011591.D
 Acq: 18 Jun 2019 22:57

Tgt Ion: 83 Resp: 110112
 Ion Ratio Lower Upper
 83 100
 55 83.3 67.9 101.9
 98 47.6 39.6 59.4



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

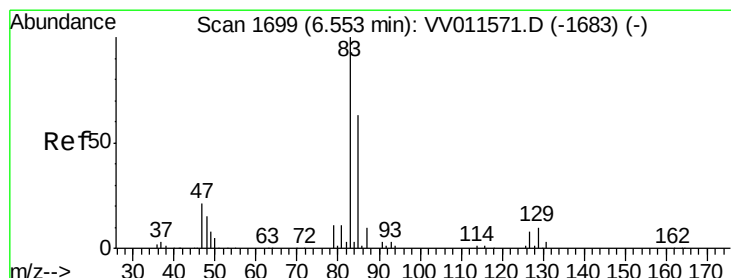
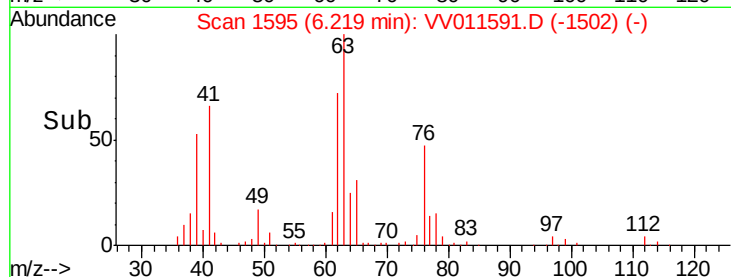
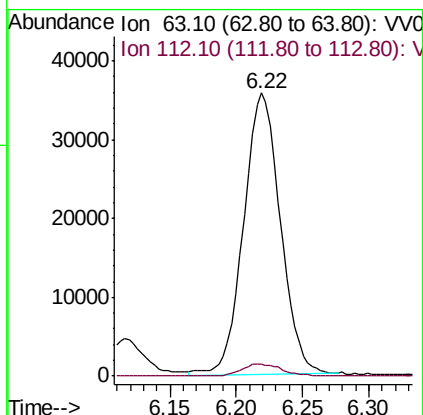
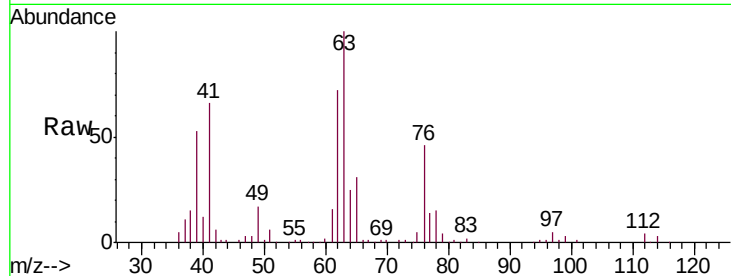




#37
 1,2-Dichloropropane
 Concen: 4.686 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV011591.D
 Acq: 18 Jun 2019 22:57

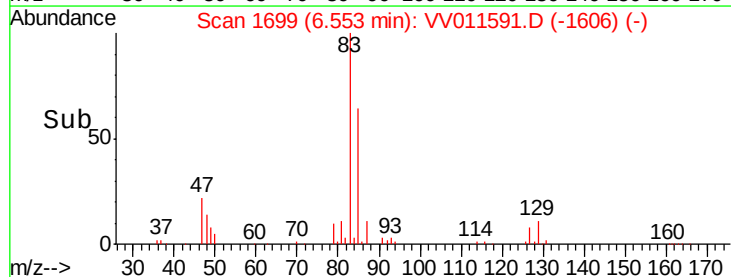
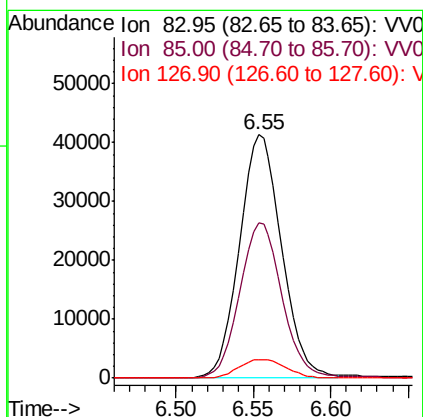
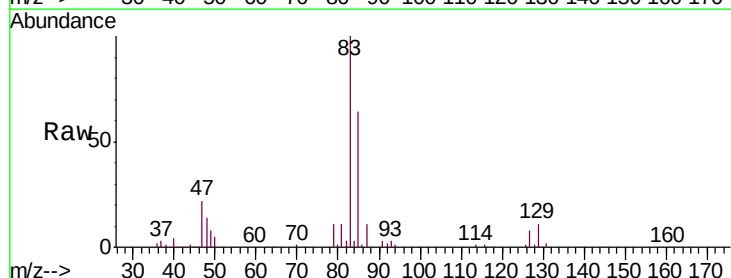
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00558

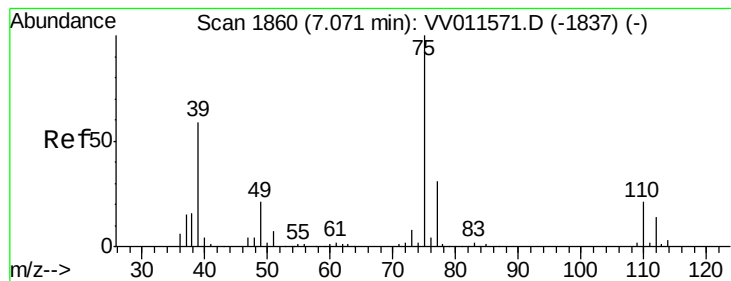
Tgt Ion: 63 Resp: 69010
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.7 5.5



#38
 Bromodichloromethane
 Concen: 4.680 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV011591.D
 Acq: 18 Jun 2019 22:57

Tgt Ion: 83 Resp: 78300
 Ion Ratio Lower Upper
 83 100
 85 63.7 44.7 83.1
 127 7.6 6.2 9.4



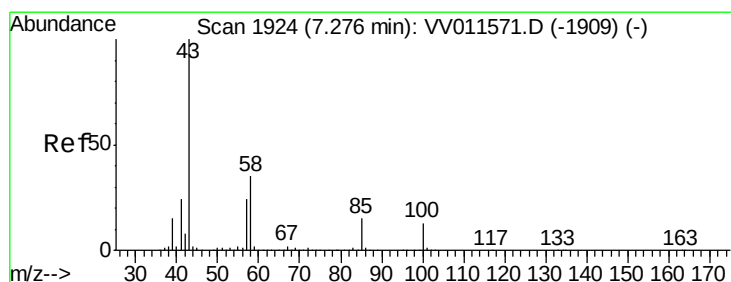
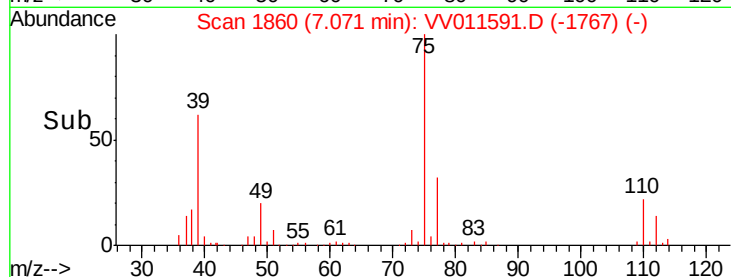
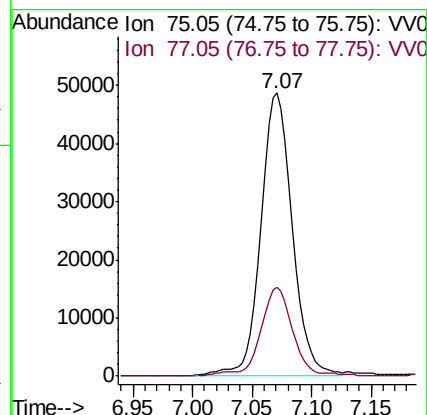
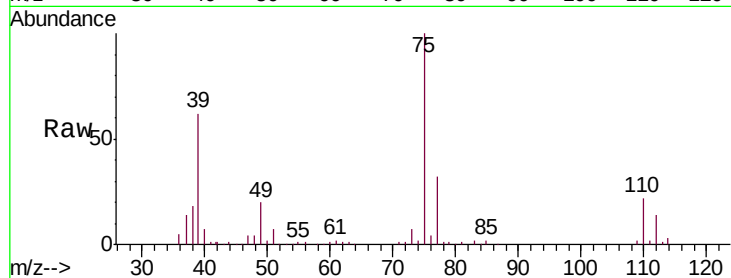


#39

cis-1,3-Dichloropropene
 Concen: 4.828 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV011591.D
 Acq: 18 Jun 2019 22:57

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00558

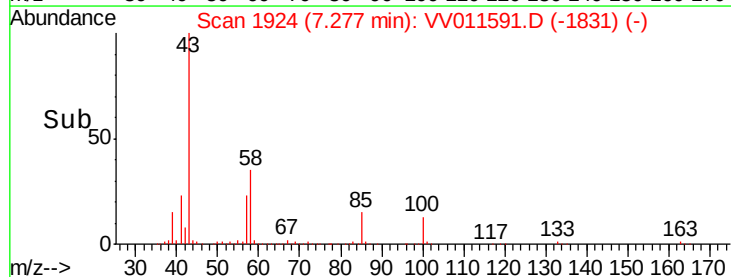
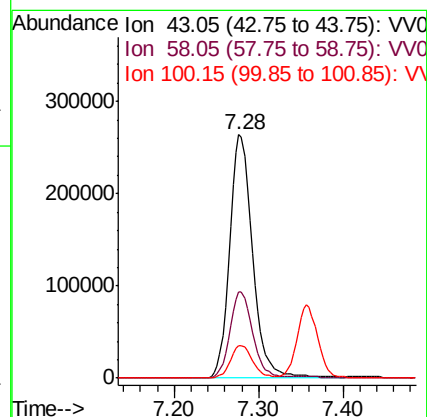
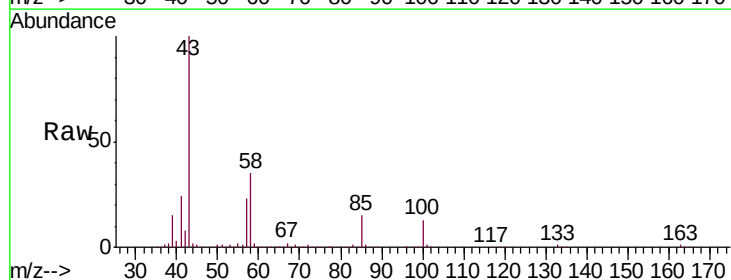
Tgt Ion: 75 Resp: 89495
 Ion Ratio Lower Upper
 75 100
 77 31.6 20.6 38.4

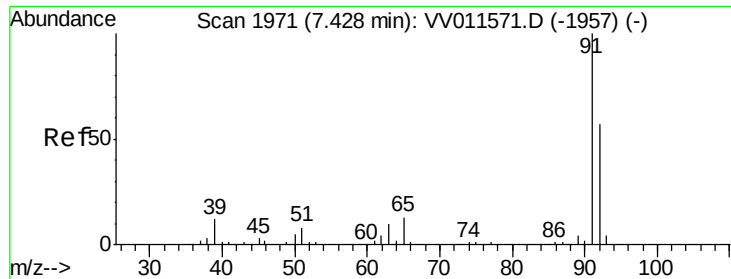


#40

4-Methyl-2-pentanone
 Concen: 47.659 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV011591.D
 Acq: 18 Jun 2019 22:57

Tgt Ion: 43 Resp: 500311
 Ion Ratio Lower Upper
 43 100
 58 35.2 28.7 43.1
 100 13.1 10.6 15.8





#42

Toluene

Concen: 4.979 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV011591.D

Acq: 18 Jun 2019 22:57

Instrument :

MSVOA_V

ClientSampleId :

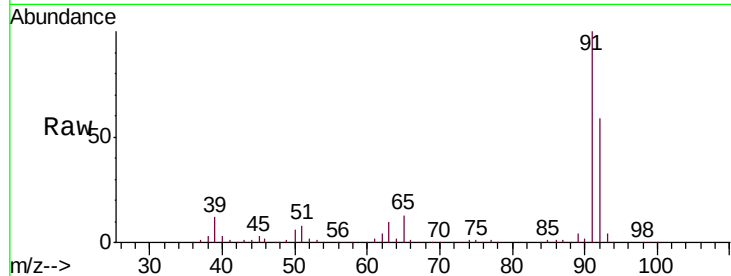
VSTD00558

Tgt Ion: 91 Resp: 285426

Ion Ratio Lower Upper

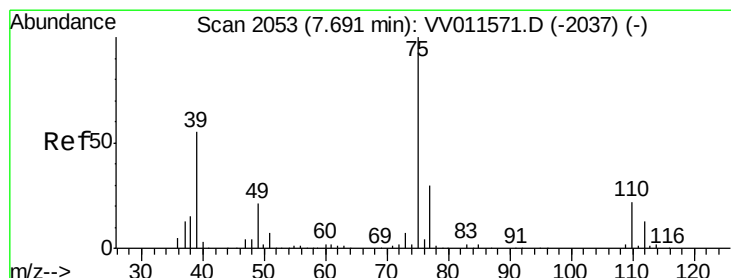
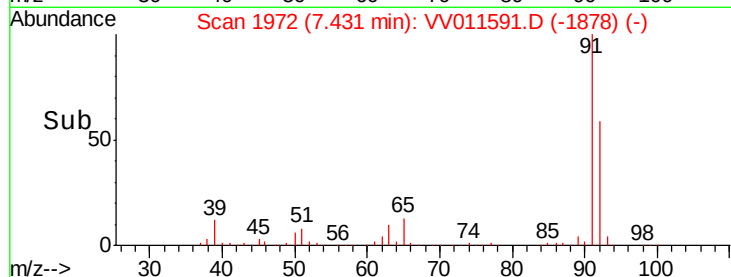
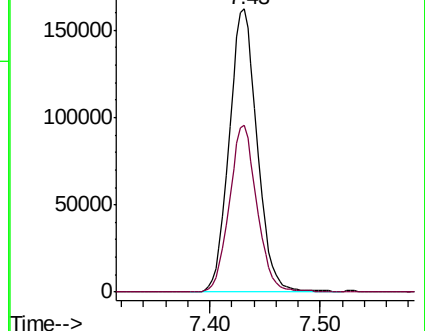
91 100

92 58.8 40.5 75.1



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 4.906 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV011591.D

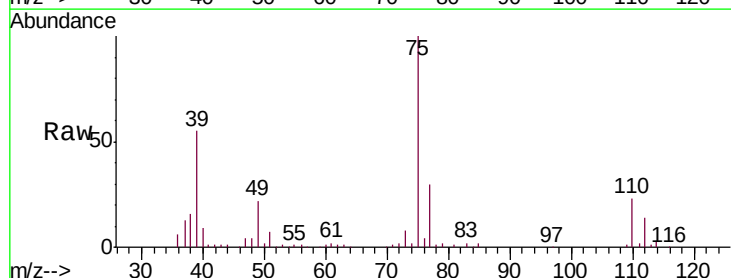
Acq: 18 Jun 2019 22:57

Tgt Ion: 75 Resp: 69561

Ion Ratio Lower Upper

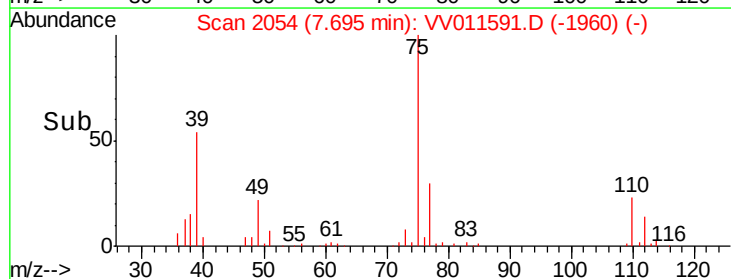
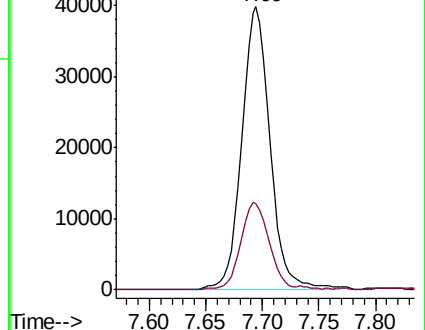
75 100

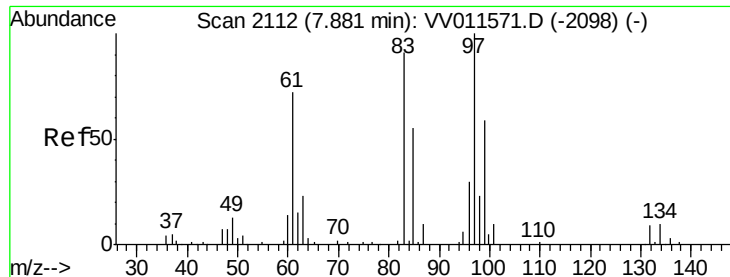
77 30.4 22.8 42.4



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

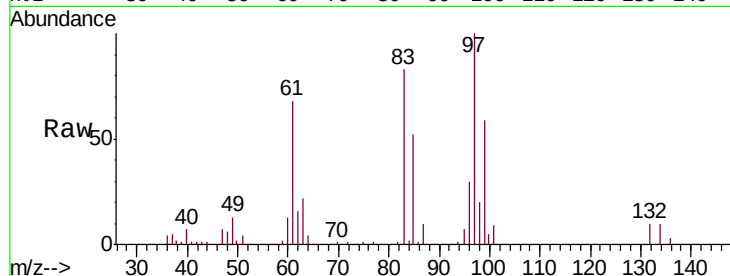




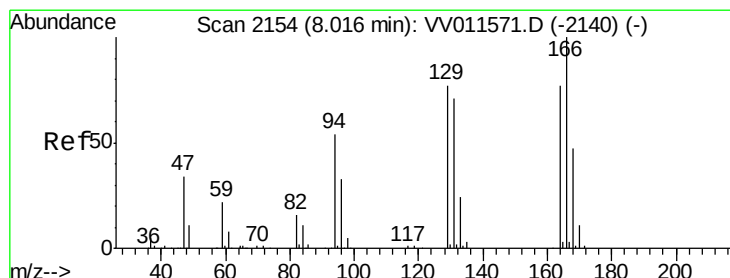
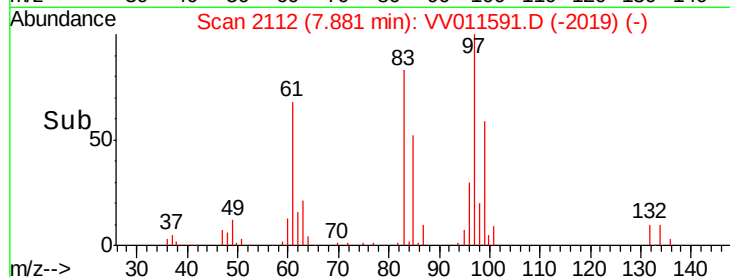
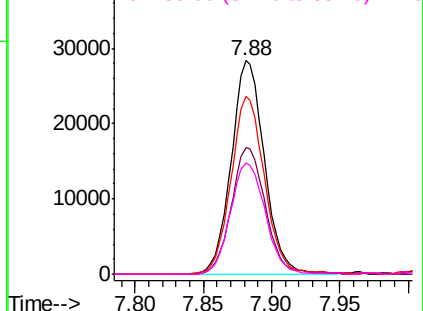
#45
 1,1,2-Trichloroethane
 Concen: 4.884 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV011591.D
 Acq: 18 Jun 2019 22:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00558

Tgt Ion:	97	Resp:	48014
Ion	Ratio	Lower	Upper
97	100		
99	59.3	45.4	84.4
83	83.3	60.6	112.6
85	52.3	38.6	71.6

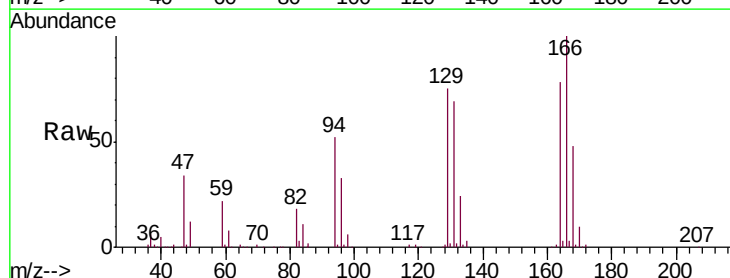


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

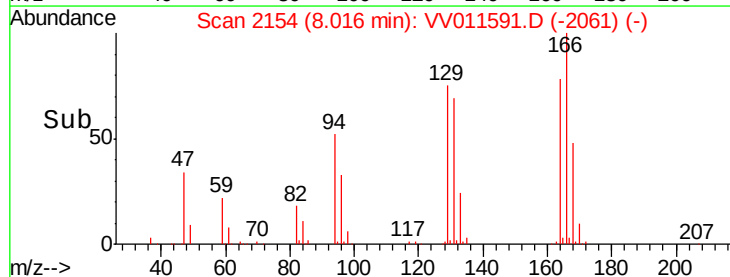
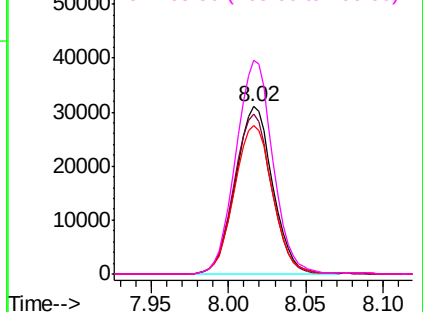


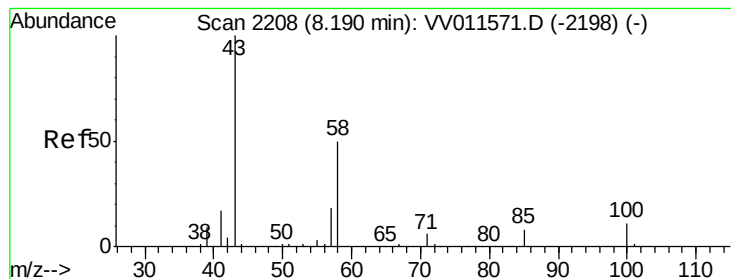
#47
 Tetrachloroethene
 Concen: 5.165 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV011591.D
 Acq: 18 Jun 2019 22:57

Tgt Ion:	164	Resp:	51960
Ion	Ratio	Lower	Upper
164	100		
129	95.4	68.8	127.8
131	88.6	63.2	117.4
166	127.8	87.0	161.6



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: 48.265 ug/L

RT: 8.19 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VV011591.D

Acq: 18 Jun 2019 22:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD00558

Tgt Ion: 43 Resp: 356181

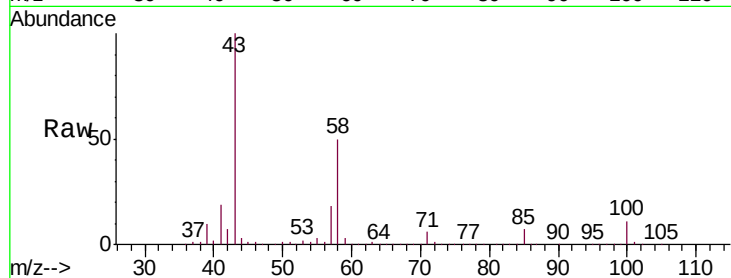
Ion Ratio Lower Upper

43 100

58 50.5 40.6 60.8

57 17.9 14.2 21.4

100 10.5 8.6 12.8

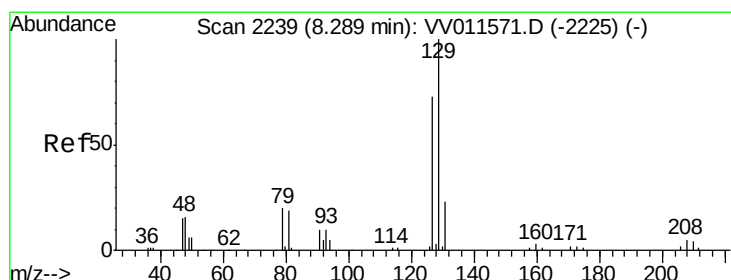
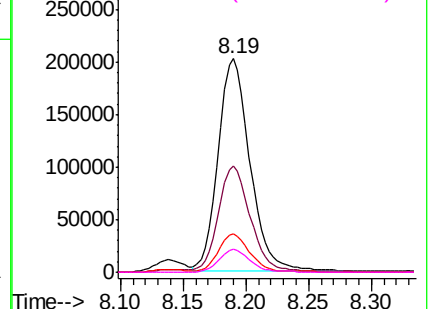
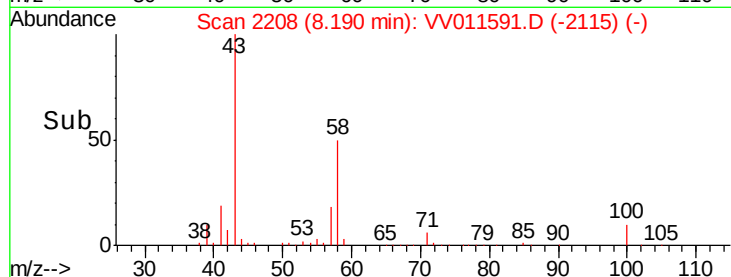


Abundance Ion 43.05 (42.75 to 43.75): VV011591.D (-2198) (-)

Ion 58.05 (57.75 to 58.75): VV011591.D (-2198) (-)

Ion 57.20 (56.90 to 57.90): VV011591.D (-2198) (-)

Ion 100.15 (99.85 to 100.85): VV011591.D (-2198) (-)



#49

Dibromochloromethane

Concen: 4.830 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VV011591.D

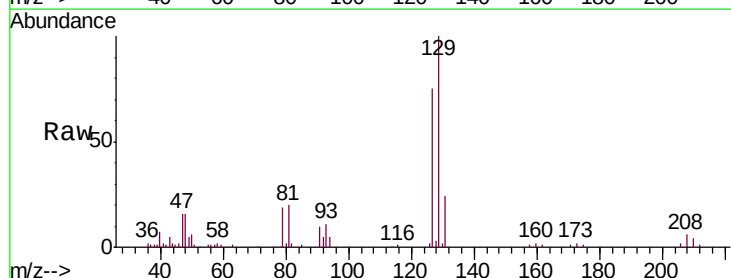
Acq: 18 Jun 2019 22:57

Tgt Ion: 129 Resp: 47708

Ion Ratio Lower Upper

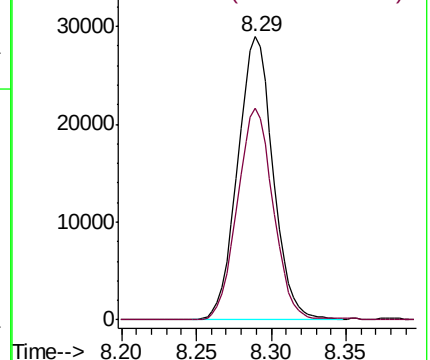
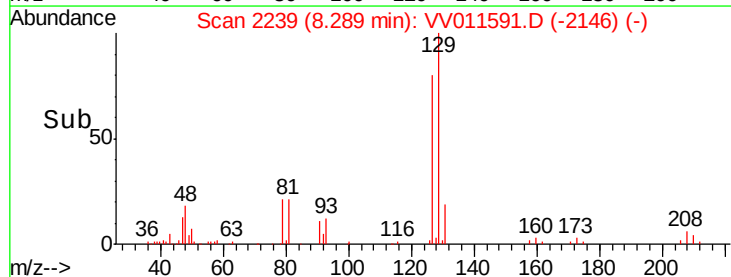
129 100

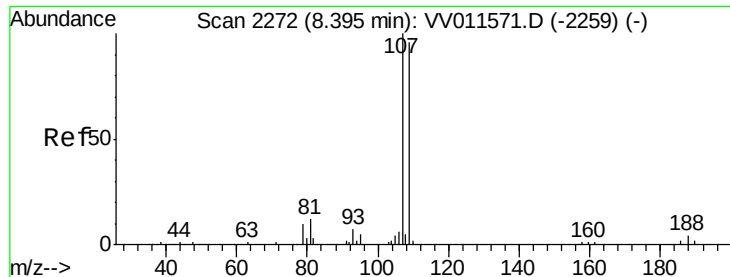
127 74.8 52.6 97.6



Abundance Ion 128.95 (128.65 to 129.65): VV011591.D (-2146) (-)

Ion 126.90 (126.60 to 127.60): VV011591.D (-2146) (-)

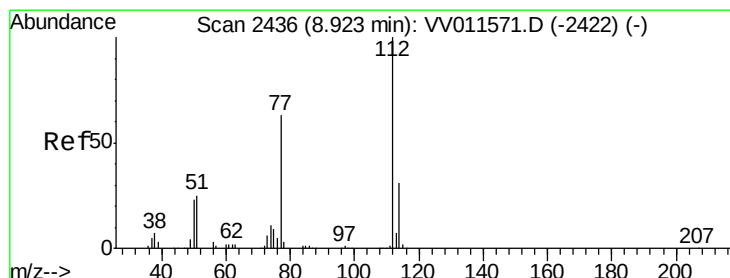
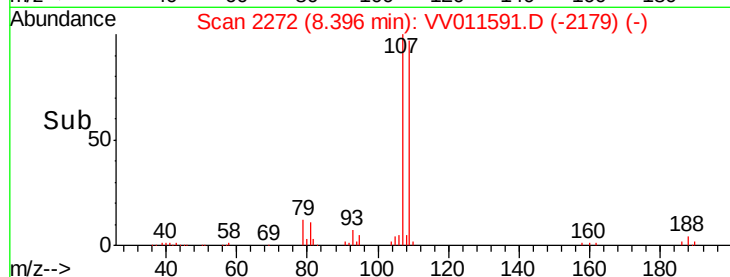
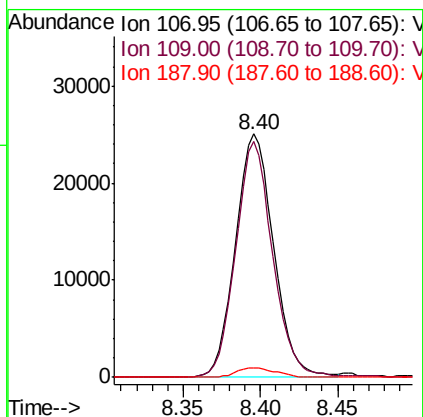
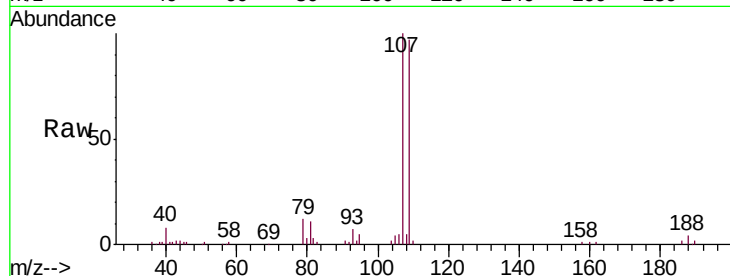




#50
1,2-Dibromoethane
Concen: 4.834 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV011591.D
Acq: 18 Jun 2019 22:57

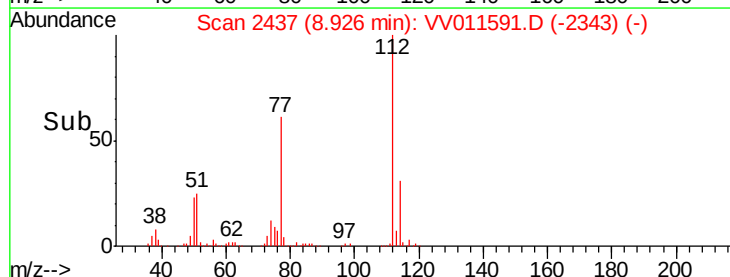
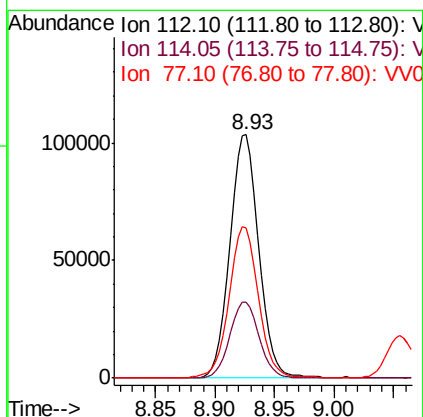
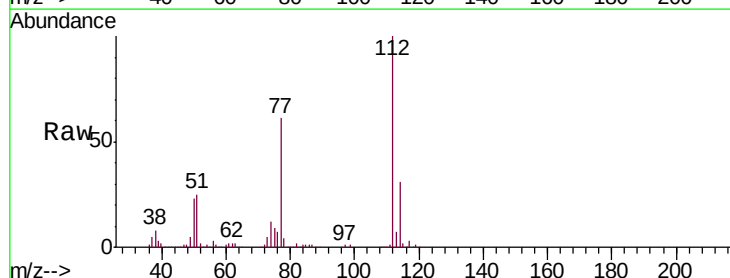
Instrument :
MSVOA_V
ClientSampleId :
VSTD00558

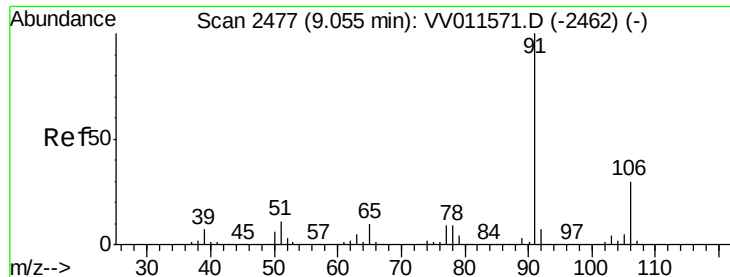
Tgt Ion:107 Resp: 42972
Ion Ratio Lower Upper
107 100
109 97.0 65.7 121.9
188 3.9 2.9 4.3



#51
Chlorobenzene
Concen: 4.946 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV011591.D
Acq: 18 Jun 2019 22:57

Tgt Ion:112 Resp: 174148
Ion Ratio Lower Upper
112 100
114 31.3 21.9 40.7
77 61.4 49.3 73.9

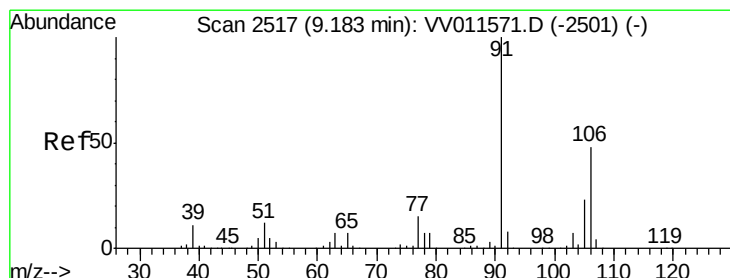
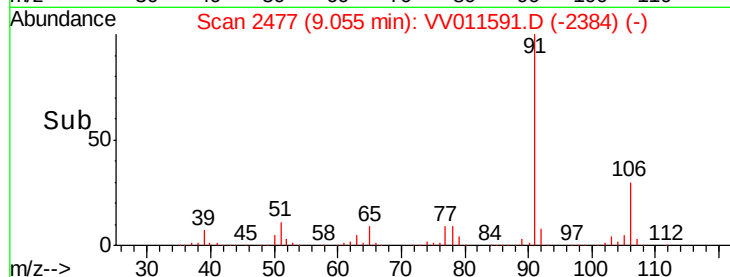
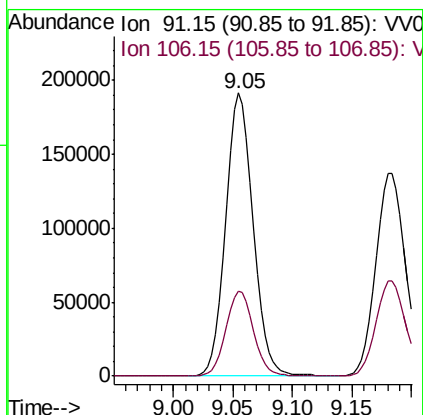
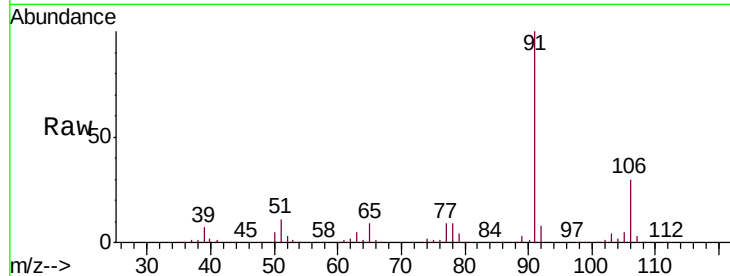




#52
Ethylbenzene
Concen: 5.097 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV011591.D
Acq: 18 Jun 2019 22:57

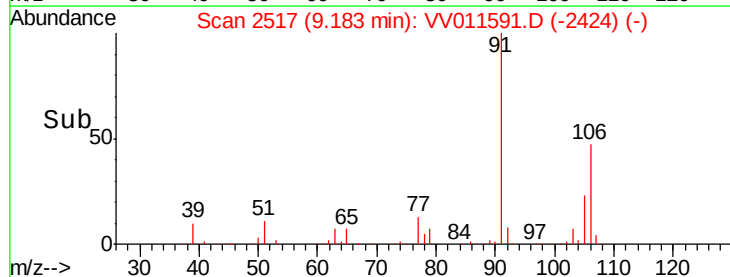
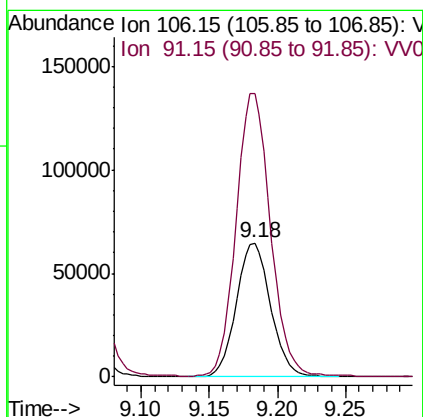
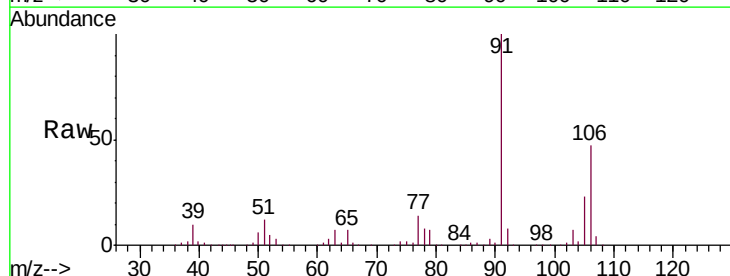
Instrument :
MSVOA_V
ClientSampleId :
VSTD00558

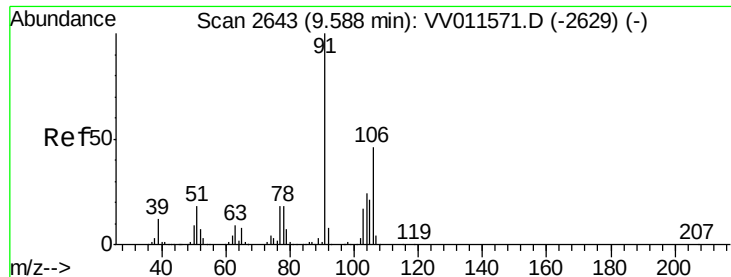
Tgt Ion: 91 Resp: 306961
Ion Ratio Lower Upper
91 100
106 29.9 21.2 39.4



#53
m,p-xylene
Concen: 5.124 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. 0.00 min
Lab File: VV011591.D
Acq: 18 Jun 2019 22:57

Tgt Ion: 106 Resp: 112911
Ion Ratio Lower Upper
106 100
91 211.2 145.5 270.3

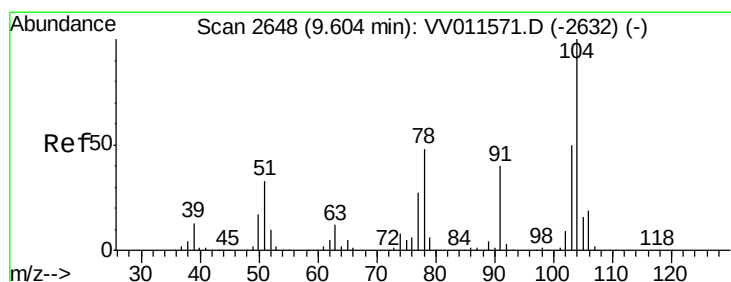
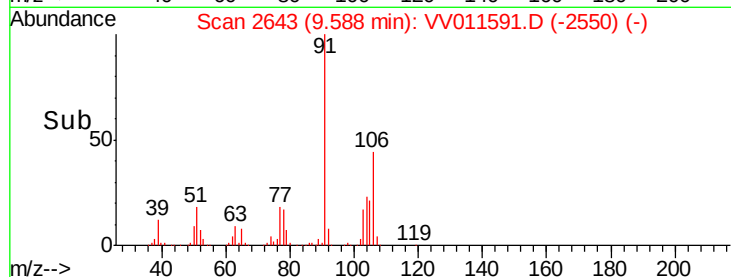
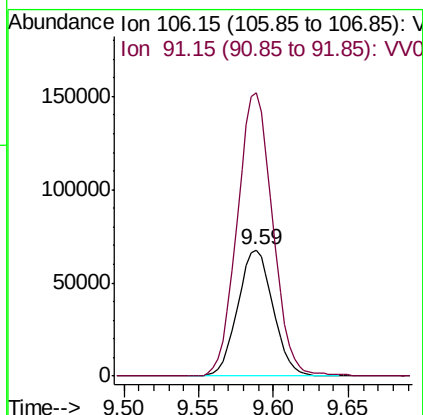
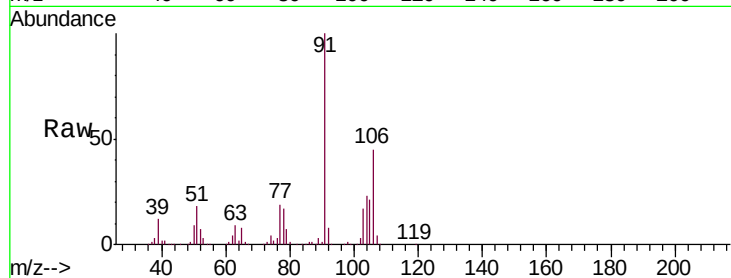




#54
o-xylene
Concen: 5.021 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV011591.D
Acq: 18 Jun 2019 22:57

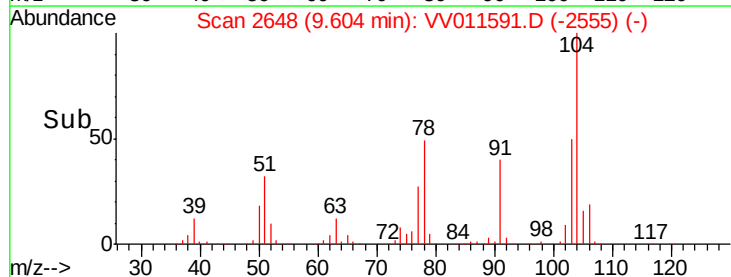
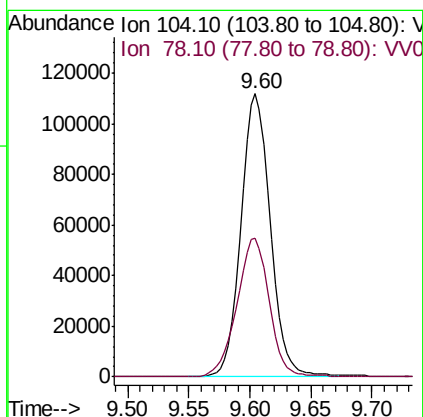
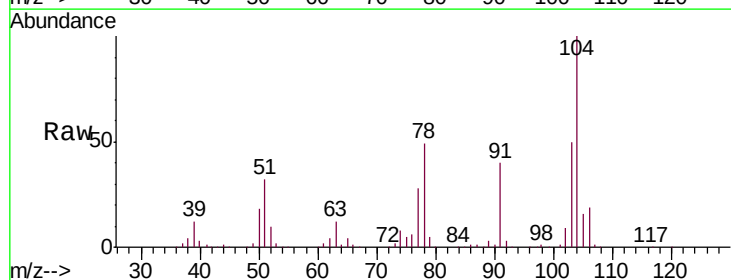
Instrument :
MSVOA_V
ClientSampleId :
VSTD00558

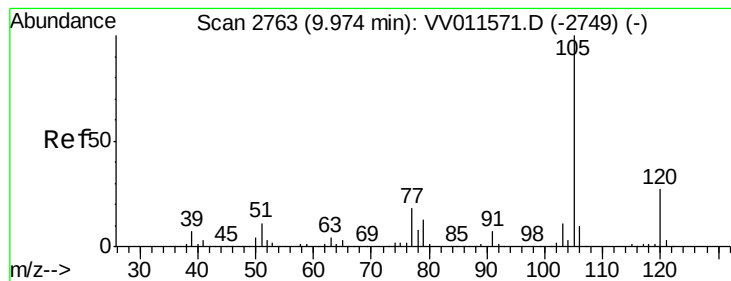
Tgt Ion:106 Resp: 111123
Ion Ratio Lower Upper
106 100
91 224.7 158.8 294.8



#55
Styrene
Concen: 5.038 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV011591.D
Acq: 18 Jun 2019 22:57

Tgt Ion:104 Resp: 184941
Ion Ratio Lower Upper
104 100
78 49.0 34.0 63.2





#56

Isopropylbenzene

Concen: 5.265 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV011591.D

Acq: 18 Jun 2019 22:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD00558

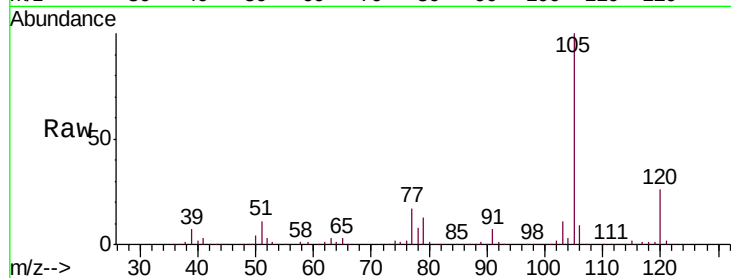
Tgt Ion: 105 Resp: 296590

Ion Ratio Lower Upper

105 100

120 25.9 20.7 31.1

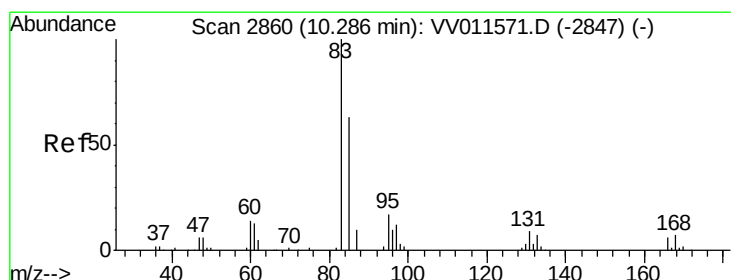
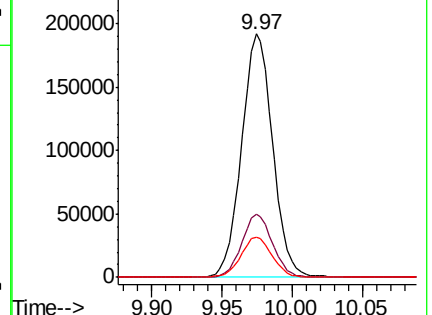
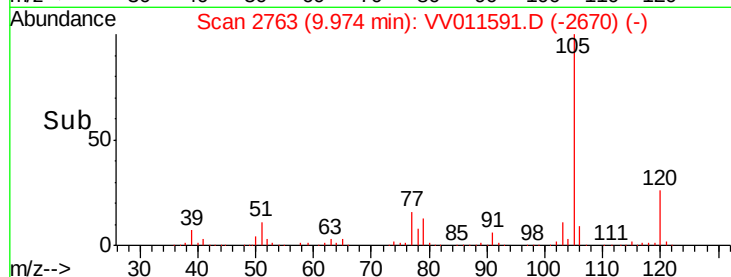
77 16.7 13.8 20.8



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: 4.573 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV011591.D

Acq: 18 Jun 2019 22:57

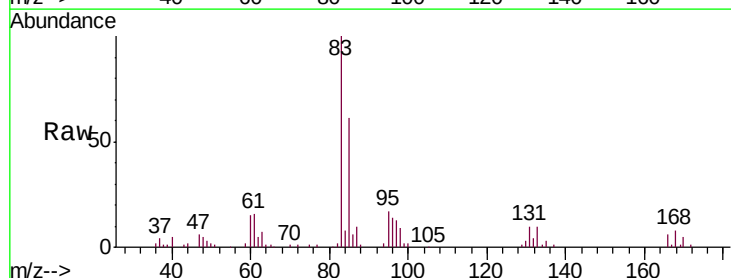
Tgt Ion: 83 Resp: 54972

Ion Ratio Lower Upper

83 100

85 61.2 45.6 84.8

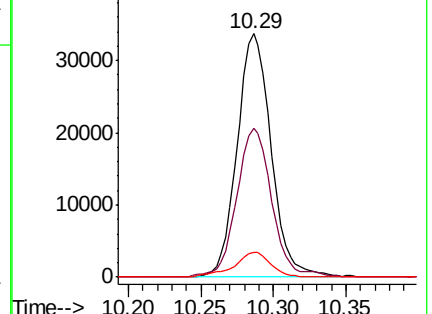
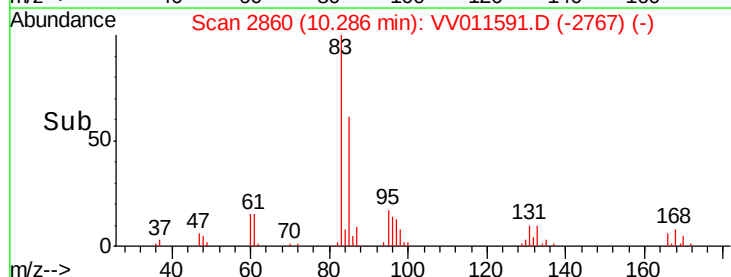
131 10.4 7.9 11.9

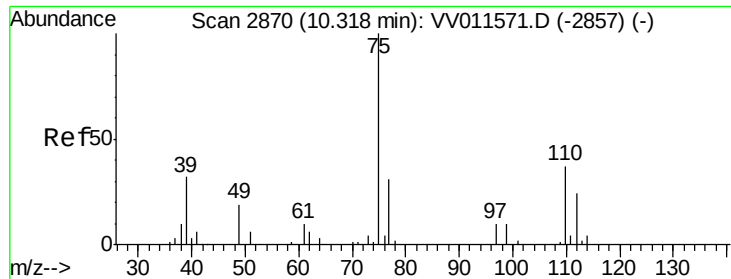


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.678 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV011591.D

Acq: 18 Jun 2019 22:57

Instrument :

MSVOA_V

ClientSampleId :

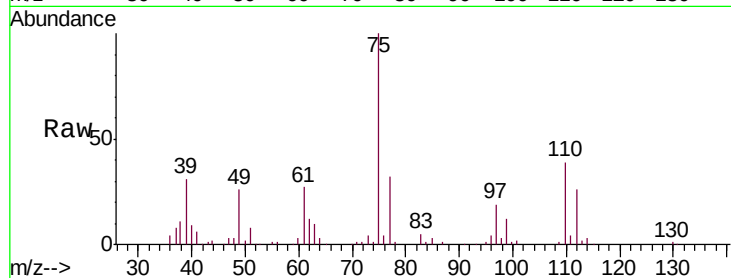
VSTD00558

Tgt Ion: 75 Resp: 43007

Ion Ratio Lower Upper

75 100

77 32.8 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VV011571.D (-2857) (-)

Ion 77.00 (76.70 to 77.70): VV011571.D (-2857) (-)

10.32

30000

25000

20000

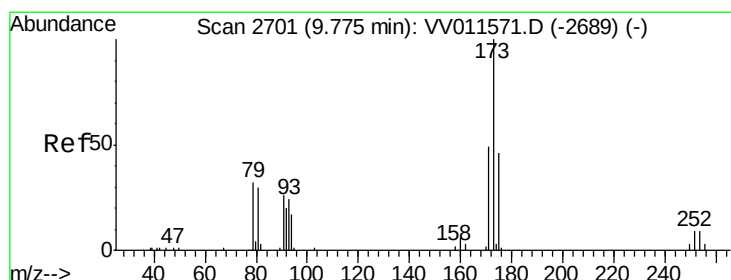
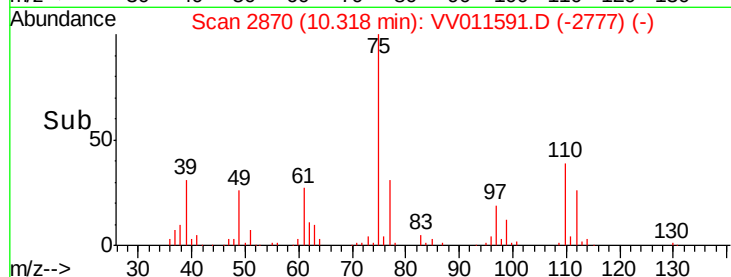
15000

10000

5000

0

Time-->



#61

Bromoform

Concen: 4.613 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV011591.D

Acq: 18 Jun 2019 22:57

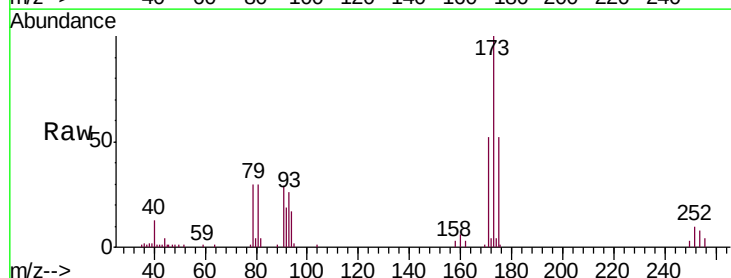
Tgt Ion: 173 Resp: 22026

Ion Ratio Lower Upper

173 100

175 48.3 38.3 57.5

254 9.0 7.9 11.9



Abundance Ion 172.90 (172.60 to 173.60): VV011571.D (-2689) (-)

Ion 174.90 (174.60 to 175.60): VV011571.D (-2689) (-)

Ion 253.75 (253.45 to 254.45): VV011571.D (-2689) (-)

9.77

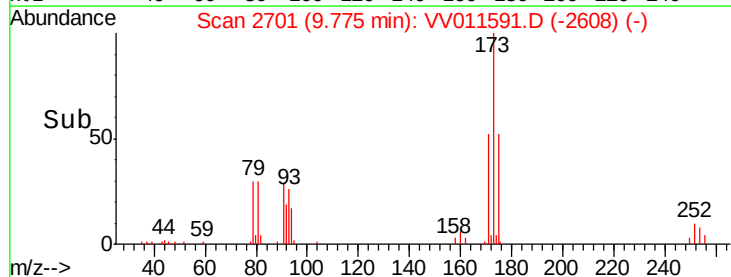
15000

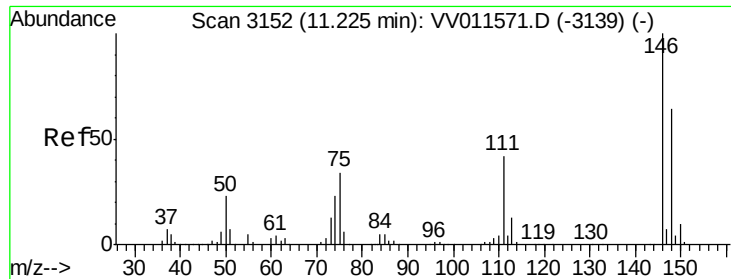
10000

5000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 4.931 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV011591.D

Acq: 18 Jun 2019 22:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD00558

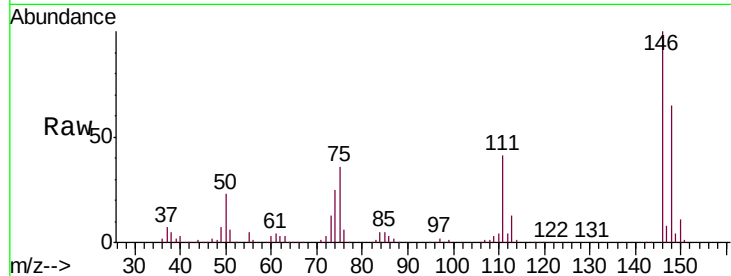
Tgt Ion:146 Resp: 119713

Ion Ratio Lower Upper

146 100

111 41.2 29.2 54.2

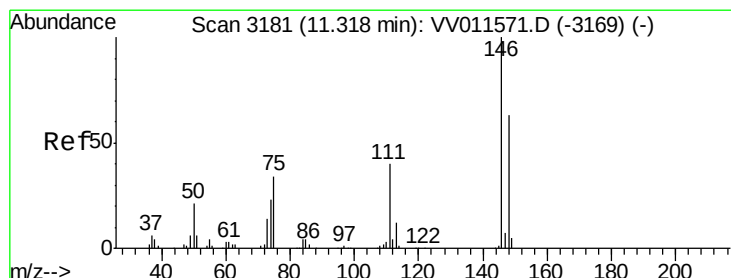
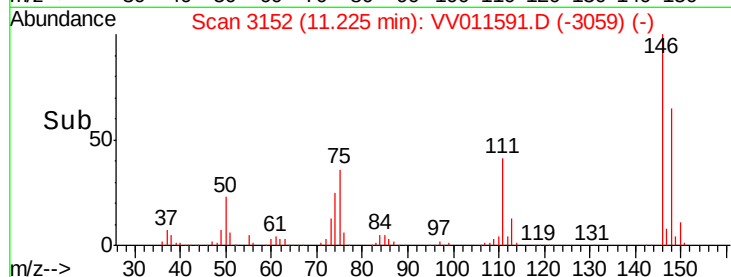
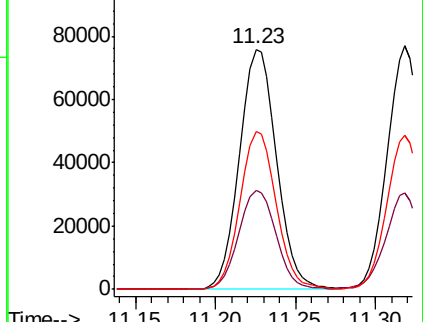
148 65.5 44.3 82.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.870 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV011591.D

Acq: 18 Jun 2019 22:57

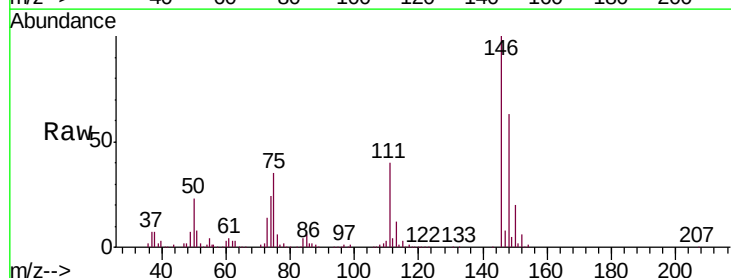
Tgt Ion:146 Resp: 120451

Ion Ratio Lower Upper

146 100

111 39.6 26.7 49.7

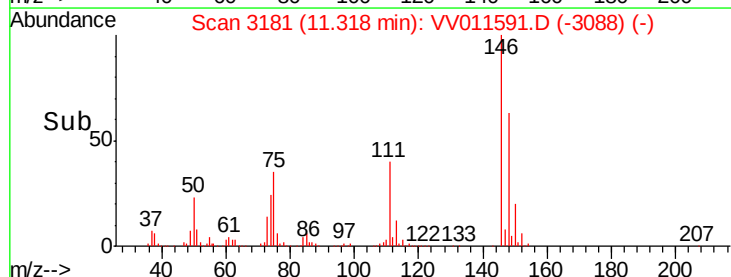
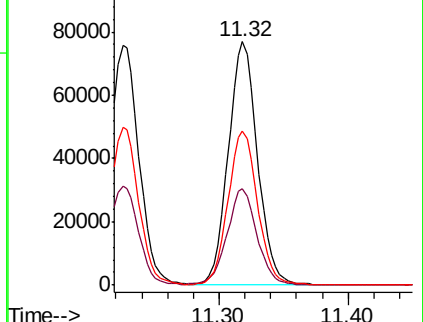
148 63.1 44.2 82.2

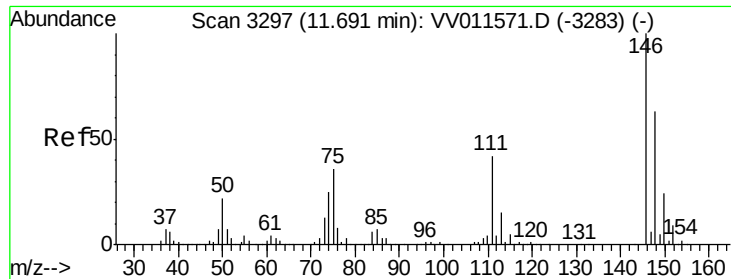


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

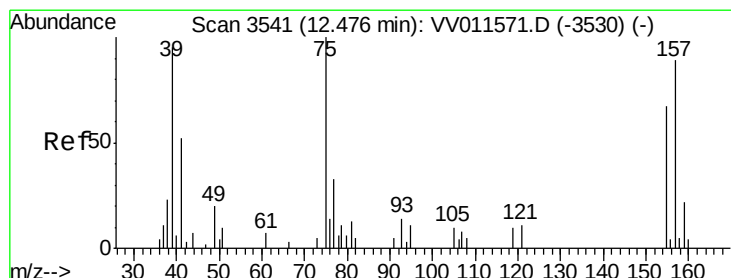
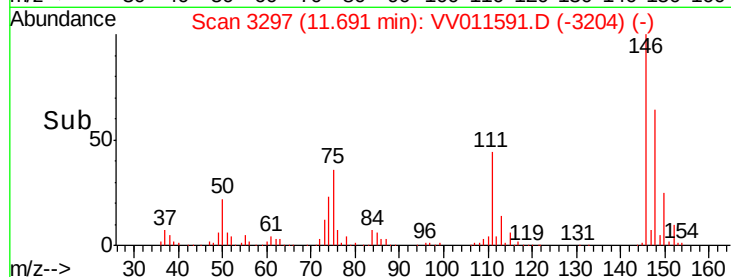
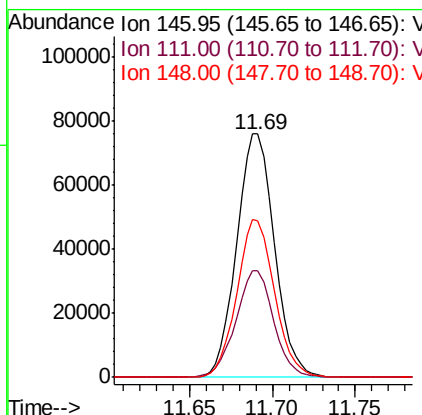
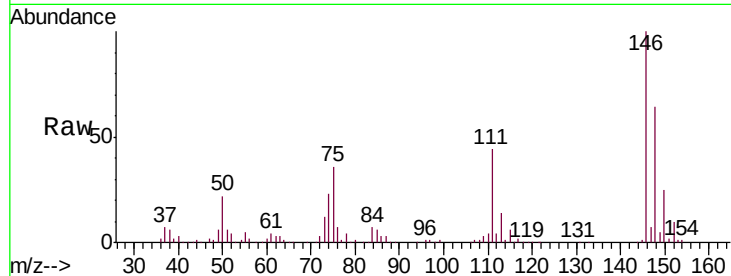




#65
 1,2-Dichlorobenzene
 Concen: 4.934 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV011591.D
 Acq: 18 Jun 2019 22:57

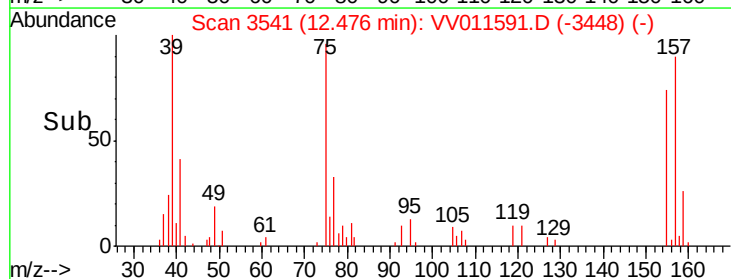
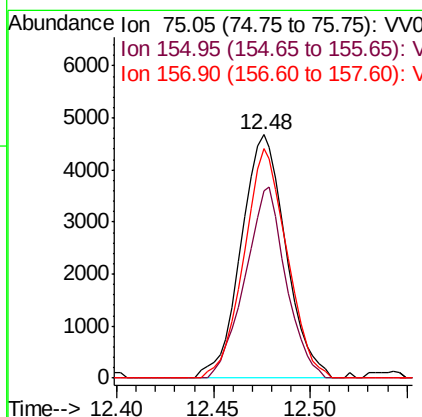
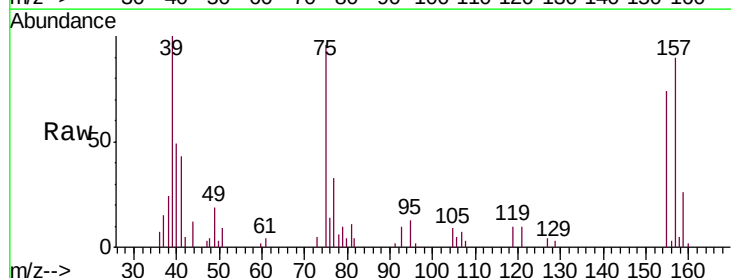
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00558

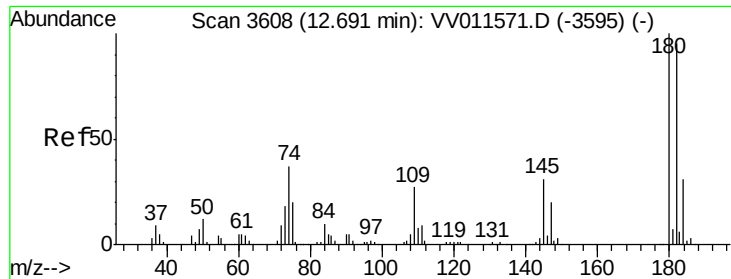
Tgt Ion: 146 Resp: 120578
 Ion Ratio Lower Upper
 146 100
 111 43.7 35.3 52.9
 148 64.4 51.3 76.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.237 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV011591.D
 Acq: 18 Jun 2019 22:57

Tgt Ion: 75 Resp: 7520
 Ion Ratio Lower Upper
 75 100
 155 76.9 58.5 87.7
 157 94.2 79.8 119.6

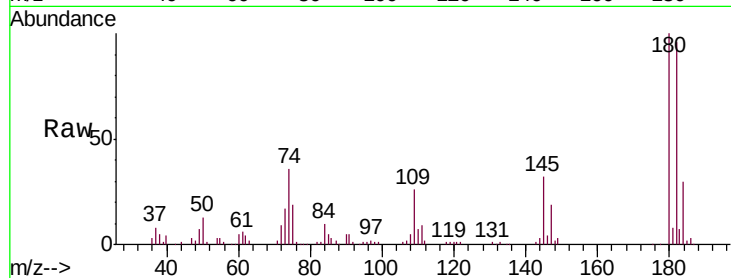




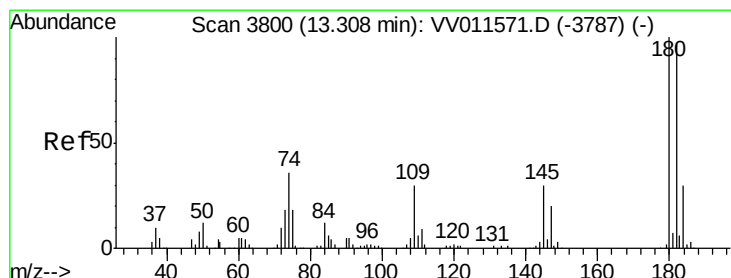
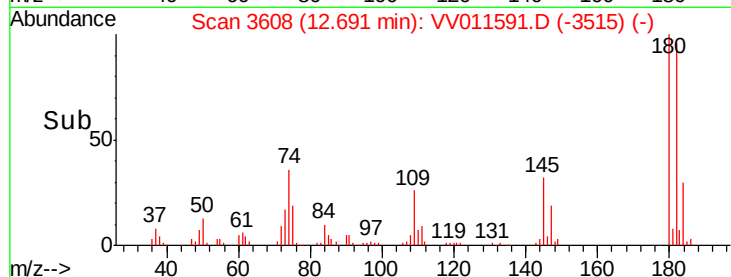
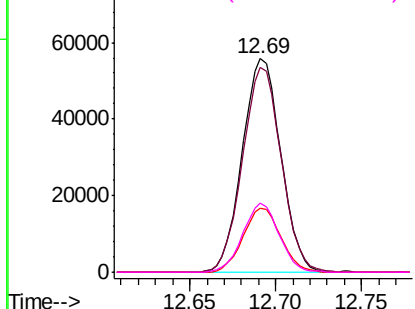
#67
 1,3,5-Trichlorobenzene
 Concen: 4.896 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV011591.D
 Acq: 18 Jun 2019 22:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00558

Tgt Ion:180 Resp: 86824
 Ion Ratio Lower Upper
 180 100
 182 96.2 75.4 113.0
 184 29.4 24.0 36.0
 145 30.6 24.4 36.6

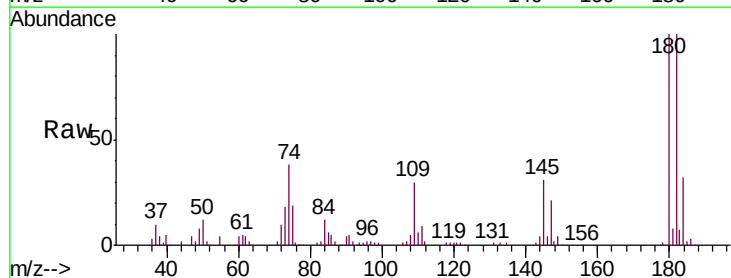


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

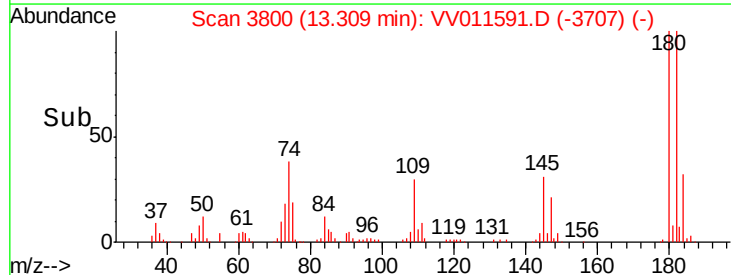
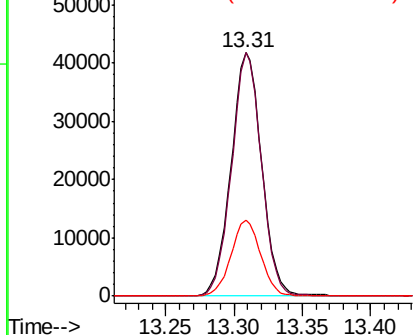


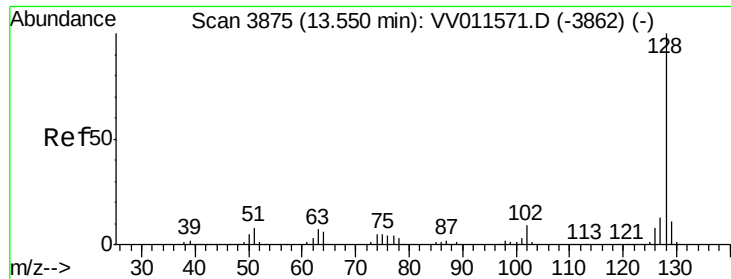
#68
 1,2,4-trichlorobenzene
 Concen: 4.563 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV011591.D
 Acq: 18 Jun 2019 22:57

Tgt Ion:180 Resp: 64971
 Ion Ratio Lower Upper
 180 100
 182 97.3 76.2 114.4
 145 30.2 24.7 37.1



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: 4.283 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV011591.D

Acq: 18 Jun 2019 22:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD00558

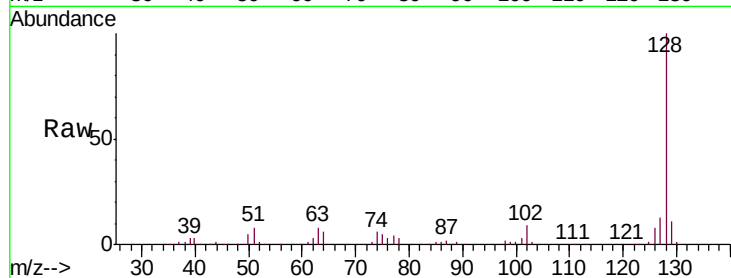
Tgt Ion:128 Resp: 119947

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

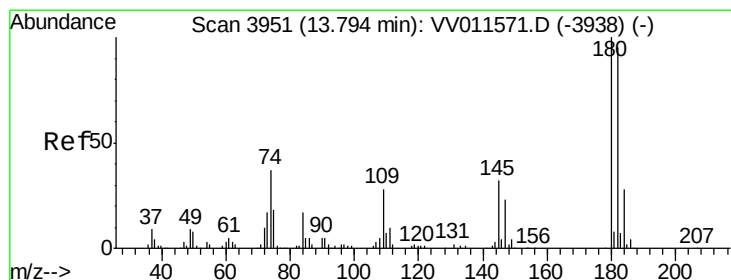
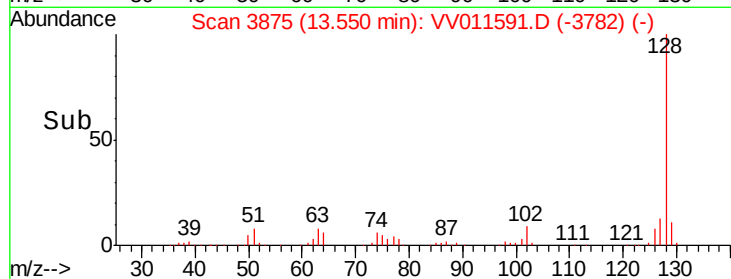
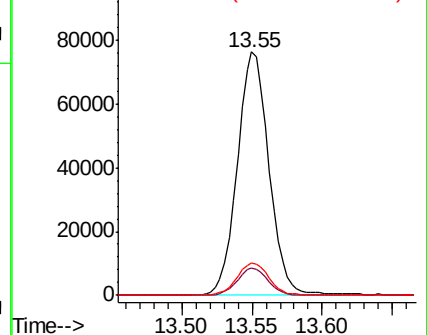
127 13.4 10.9 16.3



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: 4.676 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV011591.D

Acq: 18 Jun 2019 22:57

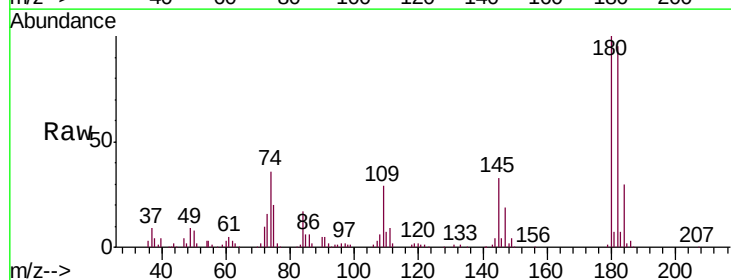
Tgt Ion:180 Resp: 64576

Ion Ratio Lower Upper

180 100

182 96.0 76.6 115.0

145 33.5 27.1 40.7



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

