

Data File : VV009539.D
Acq On : 07 Mar 2019 19:38
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02571

Quant Time: Mar 08 03:07:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 08 03:01:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	155311	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	154841	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	75043	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	43901	23.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.92%
7) Chloroethane-d5	1.58	69	71514	26.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.80%
10) 1,1-Dichloroethene-d2	2.13	63	117386	24.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.52%
20) 2-Butanone-d5	3.95	46	33472	52.54	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.08%
24) Chloroform-d	4.40	84	90537	24.47	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.88%
26) 1,2-Dichloroethane-d4	5.08	65	54755	26.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.04%
29) Benzene-d6	5.10	84	181743	23.70	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.80%
33) 1,2-Dichloropropane-d6	6.12	67	55692	24.61	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.44%
37) Toluene-d8	7.36	98	175554	23.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.92%
38) trans-1,3-Dichloropropene-	7.67	79	25789	23.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.04%
39) 2-Hexanone-d5	8.14	63	24701	46.77	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.54%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	60432	25.06	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.24%
61) 1,2-Dichlorobenzene-d4	11.67	152	67912	24.79	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.16%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	45806	25.615 ug/L	97
3) Chloromethane	1.25	50	47542	24.945 ug/L	99
5) Vinyl chloride	1.32	62	54862	26.110 ug/L	99
6) Bromomethane	1.53	94	50261	19.215 ug/L	95
8) Chloroethane	1.60	64	66177	28.343 ug/L	99
9) Trichlorofluoromethane	1.76	101	118261	27.438 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	64266	26.628 ug/L	96
12) 1,1-Dichloroethene	2.14	96	52751	25.547 ug/L	90
13) Acetone	2.21	43	29907	46.171 ug/L	100
14) Carbon disulfide	2.32	76	130203	24.877 ug/L	100
15) Methyl Acetate	2.47	43	26287	25.060 ug/L	97
16) Methylene chloride	2.53	84	51062	25.052 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	127387	27.549 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	48122	25.945 ug/L	97
19) 1,1-Dichloroethane	3.23	63	87911	26.900 ug/L	99
21) 2-Butanone	4.03	43	39169	47.913 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	56433	26.951 ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	25749	26.669	ug/L	90
25) Chloroform	4.42	83	97798	26.815	ug/L	98
27) 1,2-Dichloroethane	5.18	62	70993	28.027	ug/L	100
30) Cyclohexane	4.72	56	77366	23.543	ug/L	95
31) 1,1,1-Trichloroethane	4.66	97	84601	24.441	ug/L	99
32) Carbon tetrachloride	4.87	117	70016	23.926	ug/L	99
34) Benzene	5.15	78	201515	25.187	ug/L	100
35) Trichloroethene	5.96	95	55036	23.935	ug/L	98
36) Methylcyclohexane	6.17	83	90483	24.156	ug/L	99
40) 1,2-Dichloropropane	6.22	63	52252	25.329	ug/L	99
41) Bromodichloromethane	6.55	83	71536	25.691	ug/L	97
42) cis-1,3-Dichloropropene	7.07	75	84216	26.295	ug/L	97
43) 4-Methyl-2-pentanone	7.28	43	80761	49.662	ug/L	99
44) Toluene	7.43	91	223705	24.736	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	72262	25.835	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	45275	26.416	ug/L	96
47) Tetrachloroethene	8.02	164	44074	25.272	ug/L	98
49) 2-Hexanone	8.19	43	60074	48.852	ug/L	97
50) Dibromochloromethane	8.29	129	52806	25.449	ug/L	99
51) 1,2-Dibromoethane	8.40	107	45302	25.583	ug/L	100
52) Chlorobenzene	8.93	112	151291	25.238	ug/L	97
53) Ethylbenzene	9.05	91	257580	24.889	ug/L	96
54) m,p-Xylene	9.18	106	97020	24.769	ug/L	95
55) o-xylene	9.59	106	96659	25.591	ug/L	93
56) Styrene	9.60	104	159326	25.641	ug/L	99
57) Isopropylbenzene	9.98	105	258671	24.830	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	62174	25.691	ug/L #	95
59) 1,2,3-Trichloropropane	10.32	75	45737	26.217	ug/L	100
62) Bromoform	9.77	173	30142	24.752	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	115705	24.684	ug/L	100
64) 1,4-Dichlorobenzene	11.32	146	116906	24.406	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	113039	25.859	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	10530	24.050	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	83397	24.803	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	66997	24.888	ug/L	98
69) Naphthalene	13.55	128	138126	24.360	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	62371	25.185	ug/L	97

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

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MSVOA_V
ClientSampleId :
VSTD02571

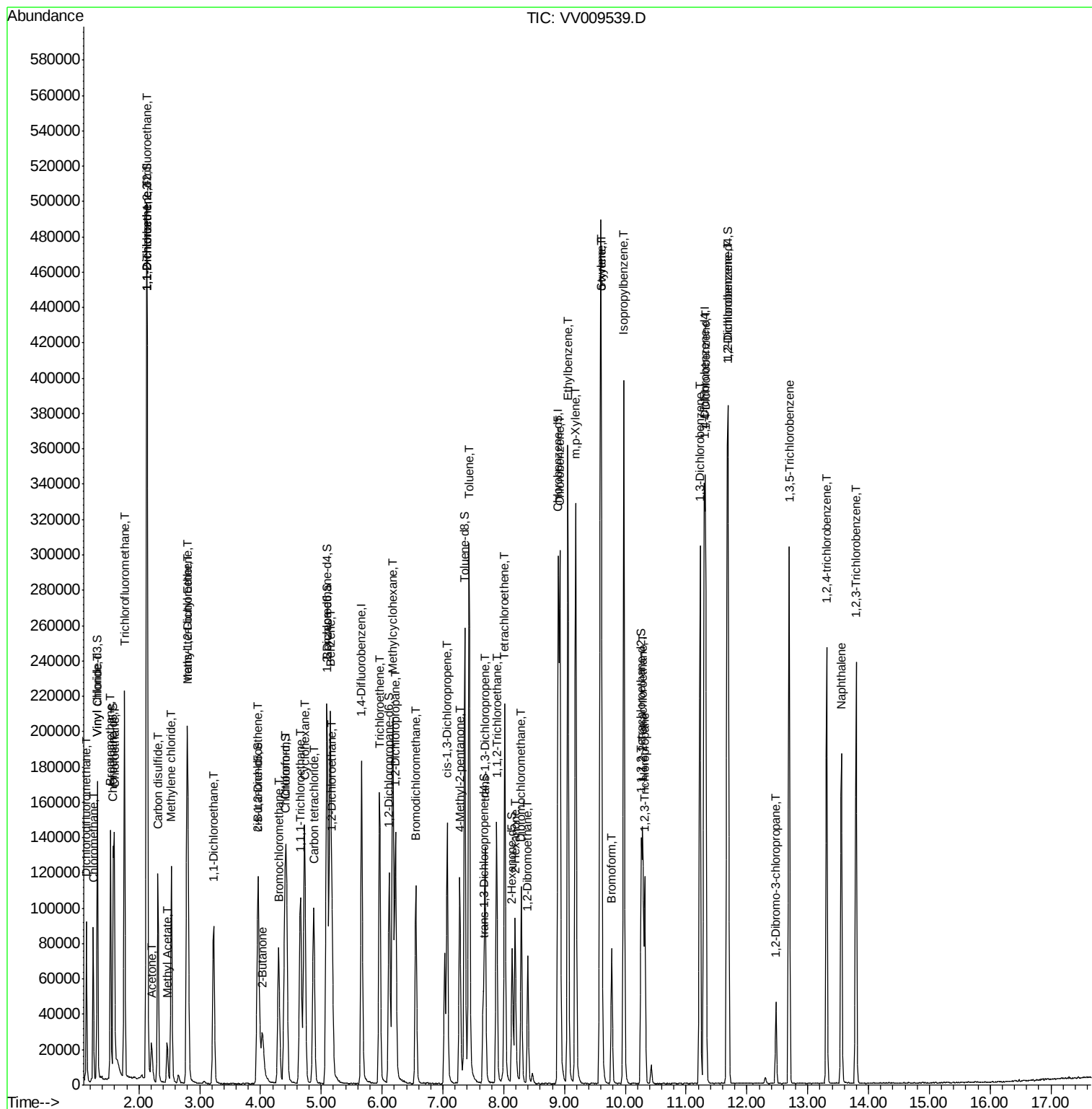
Quant Time: Mar 08 03:07:13 2019

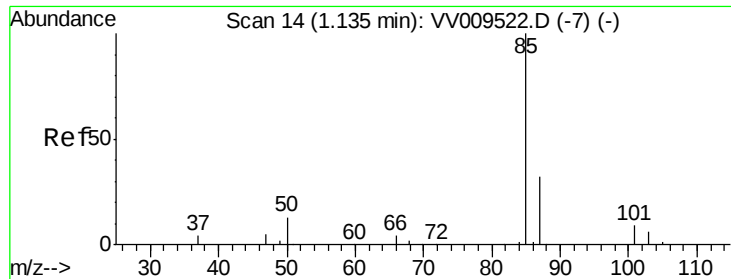
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM030519S.M

Quant Title : VOC Analysis

QLast Update : Fri Mar 08 03:01:51 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 25.615 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV009539.D

Acq: 07 Mar 2019 19:38

Instrument :

MSVOA_V

ClientSampled :

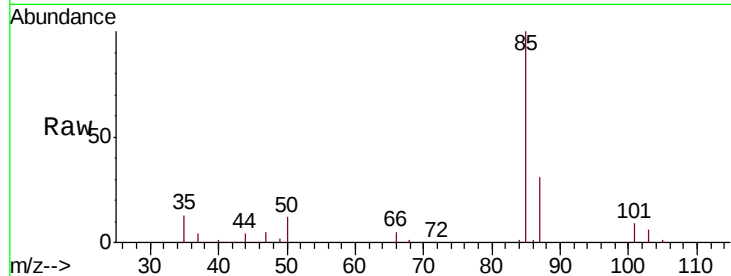
VSTD02571

Tgt Ion: 85 Resp: 45806

Ion Ratio Lower Upper

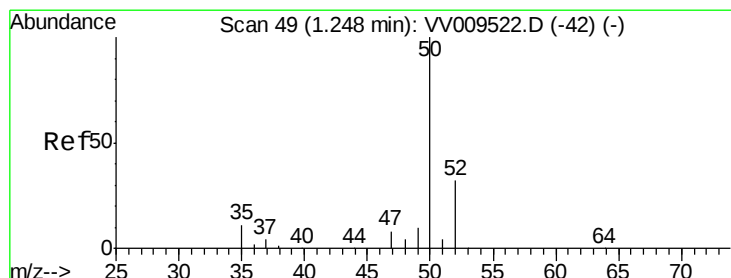
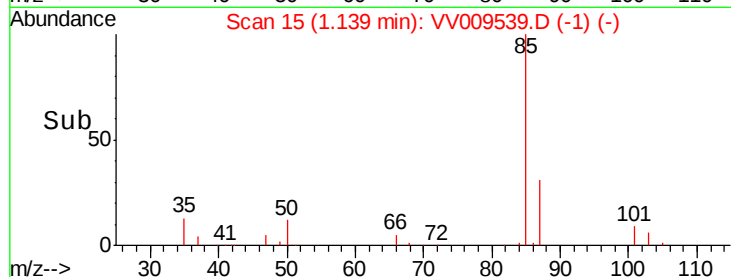
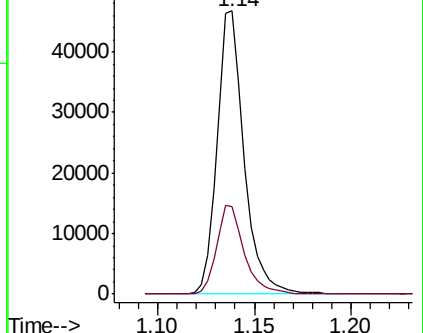
85 100

87 31.9 23.4 43.4



Abundance Ion 85.00 (84.70 to 85.70): VV009522.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV009522.D (-7) (-)



#3

Chloromethane

Concen: 24.945 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV009539.D

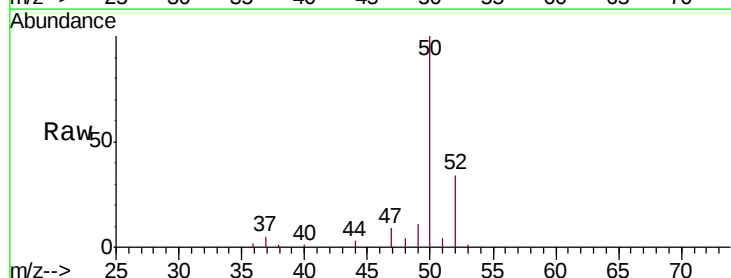
Acq: 07 Mar 2019 19:38

Tgt Ion: 50 Resp: 47542

Ion Ratio Lower Upper

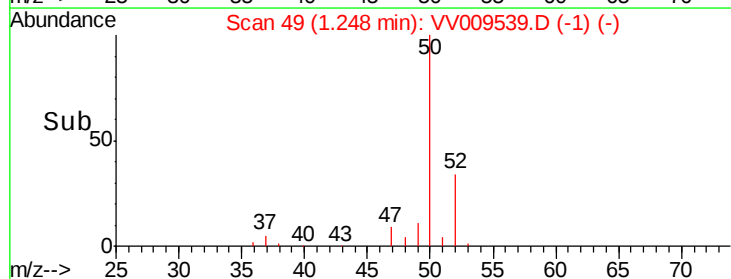
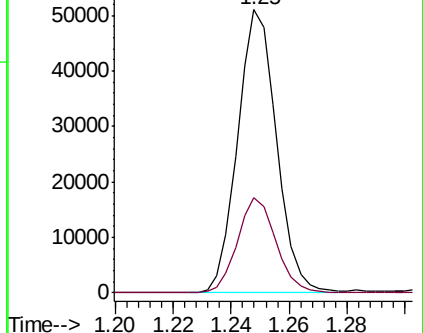
50 100

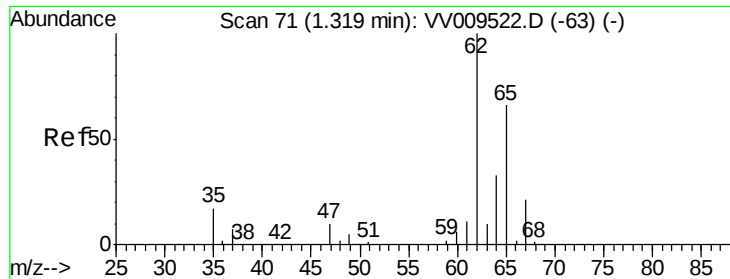
52 33.5 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VV009522.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV009522.D (-42) (-)





#5

Vinyl chloride

Concen: 26.110 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV009539.D

Acq: 07 Mar 2019 19:38

Instrument :

MSVOA_V

ClientSampleId :

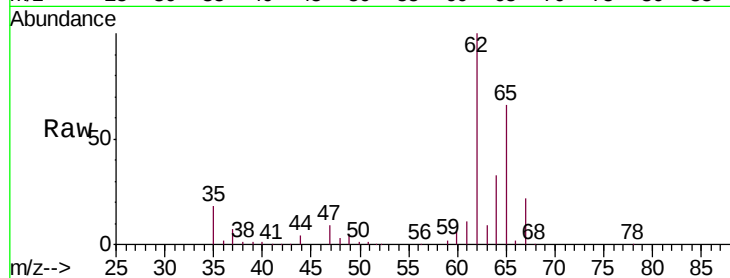
VSTD02571

Tgt Ion: 62 Resp: 54862

Ion Ratio Lower Upper

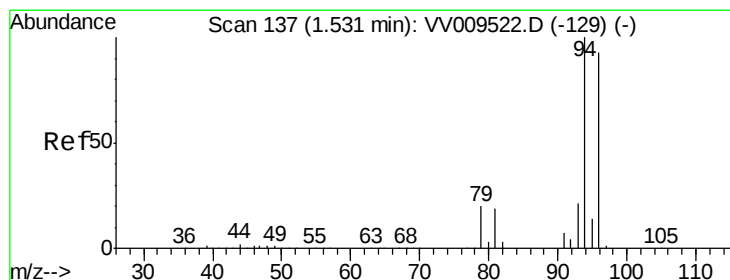
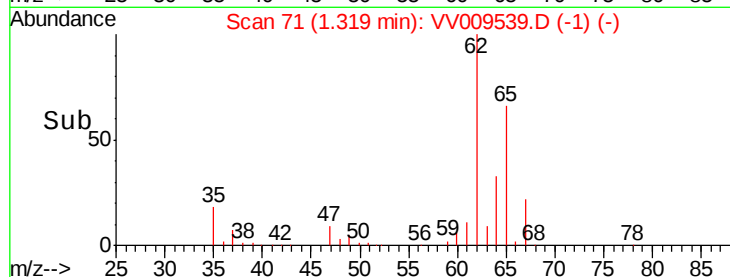
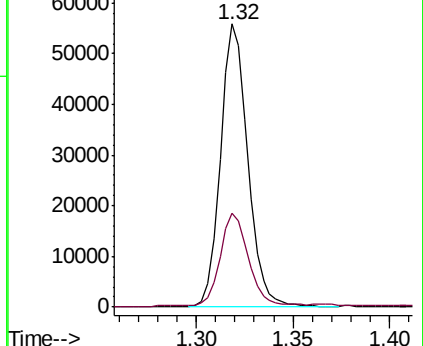
62 100

64 33.1 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 19.215 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV009539.D

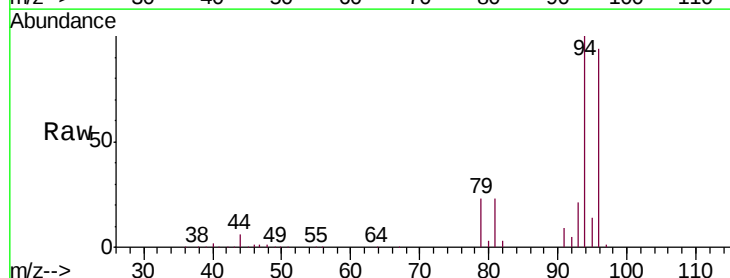
Acq: 07 Mar 2019 19:38

Tgt Ion: 94 Resp: 50261

Ion Ratio Lower Upper

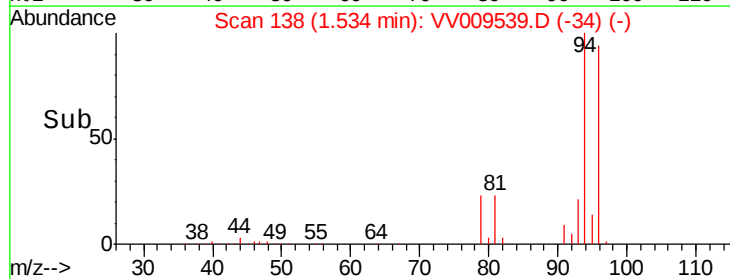
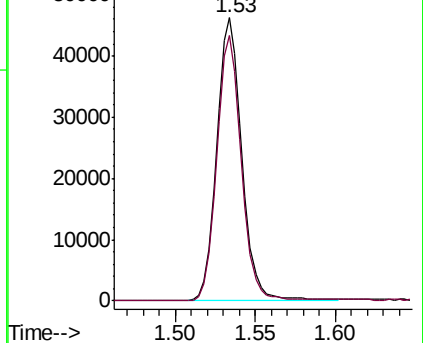
94 100

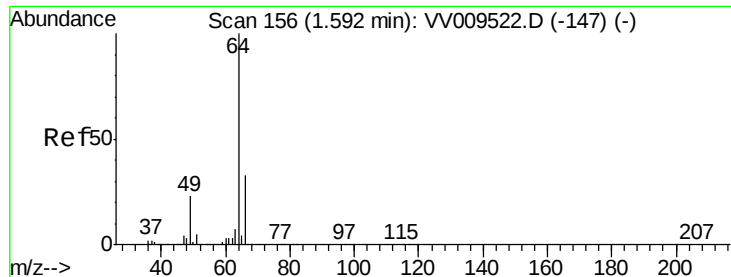
96 91.0 9.5 181.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

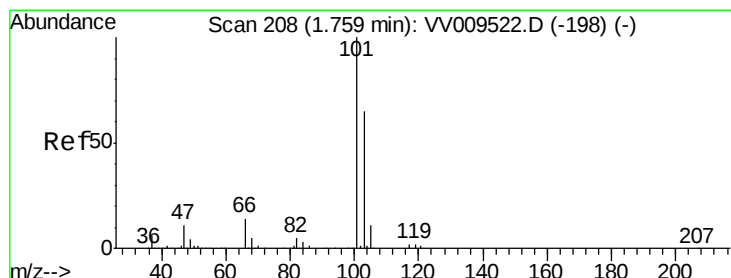
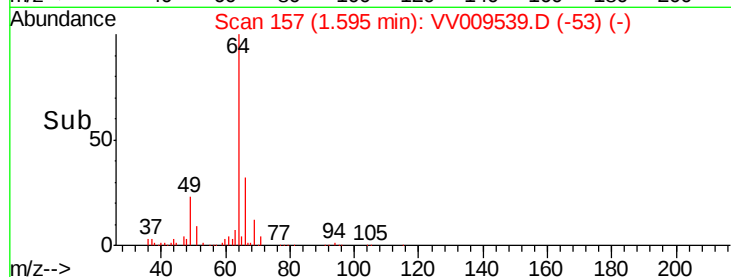
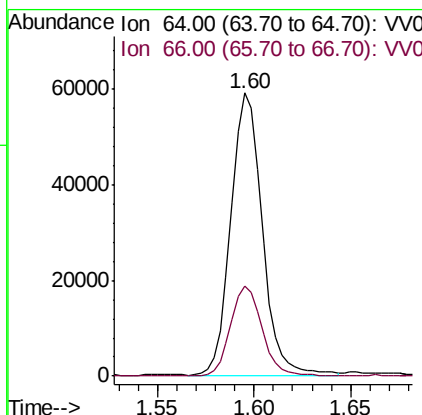
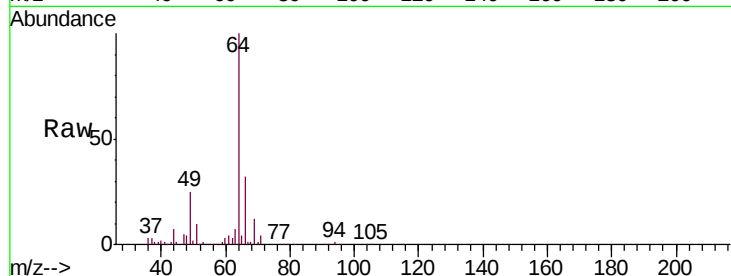




#8
Chloroethane
Concen: 28.343 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV009539.D
Acq: 07 Mar 2019 19:38

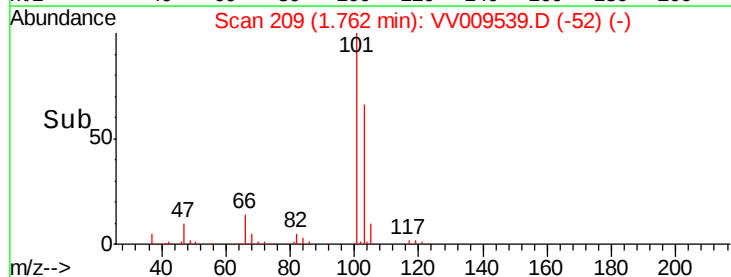
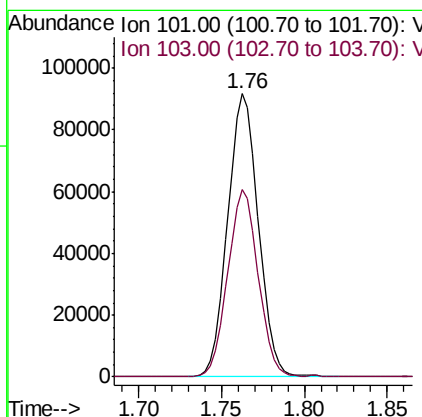
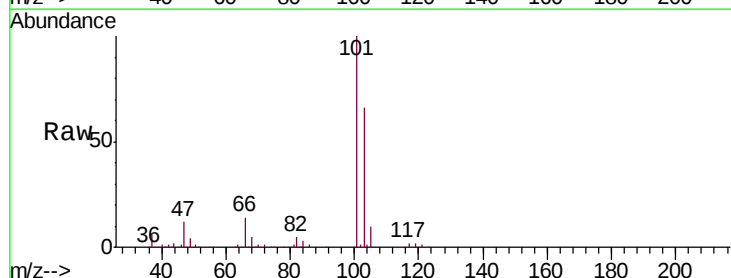
Instrument :
MSVOA_V
ClientSampleId :
VSTD02571

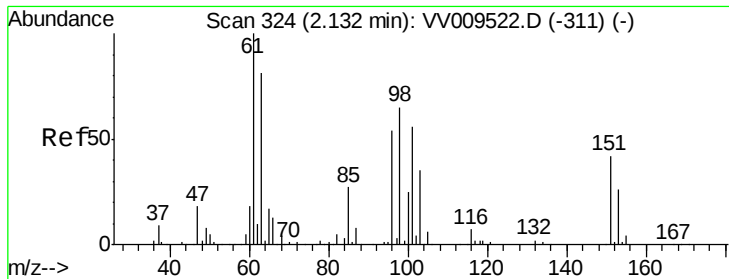
Tgt Ion: 64 Resp: 66177
Ion Ratio Lower Upper
64 100
66 31.7 21.8 40.6



#9
Trichlorofluoromethane
Concen: 27.438 ug/L
RT: 1.76 min Scan# 209
Delta R.T. 0.00 min
Lab File: VV009539.D
Acq: 07 Mar 2019 19:38

Tgt Ion: 101 Resp: 118261
Ion Ratio Lower Upper
101 100
103 65.4 44.7 83.1





#11

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

Concen: 26.628 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV009539.D

Acq: 07 Mar 2019 19:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD02571

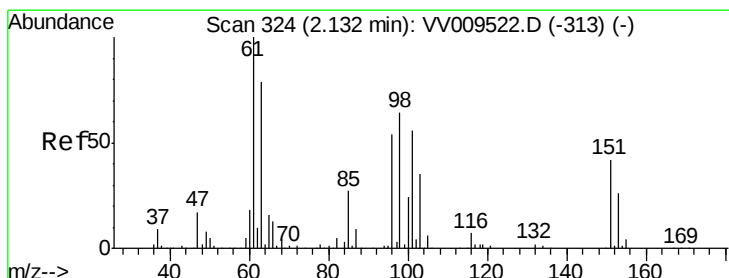
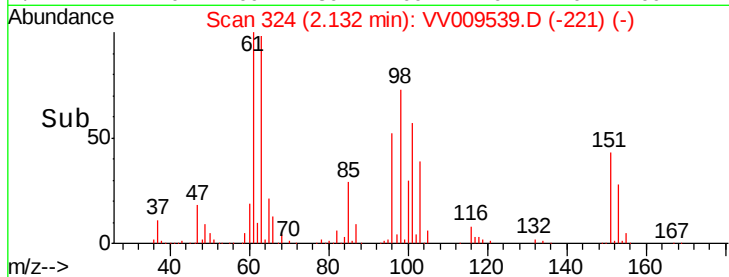
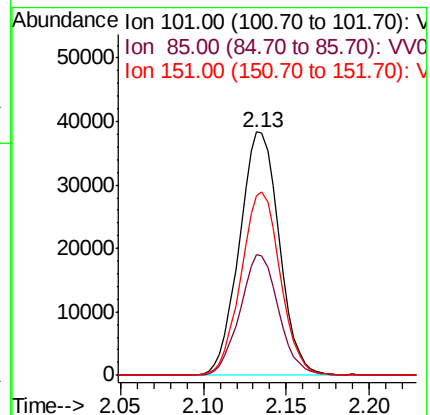
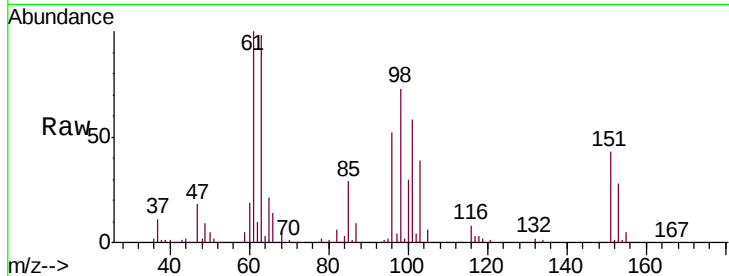
Tgt Ion:101 Resp: 64266

Ion Ratio Lower Upper

101 100

85 48.0 40.1 60.1

151 74.1 55.9 83.9



#12

1,1-Dichloroethene

Concen: 25.547 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV009539.D

Acq: 07 Mar 2019 19:38

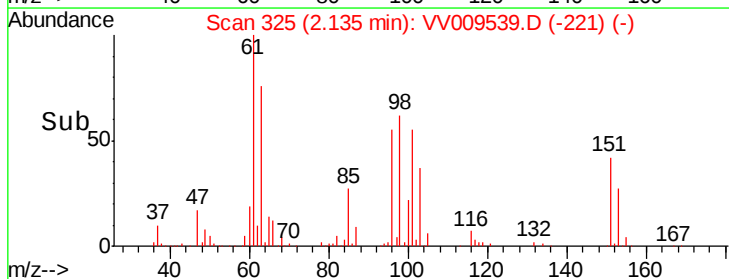
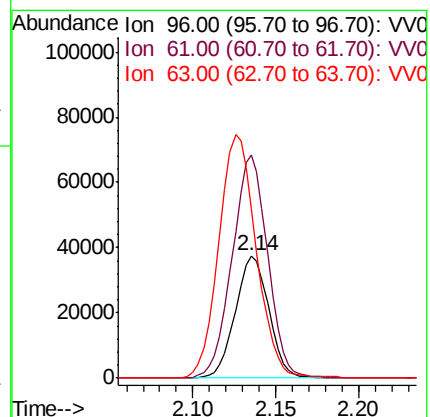
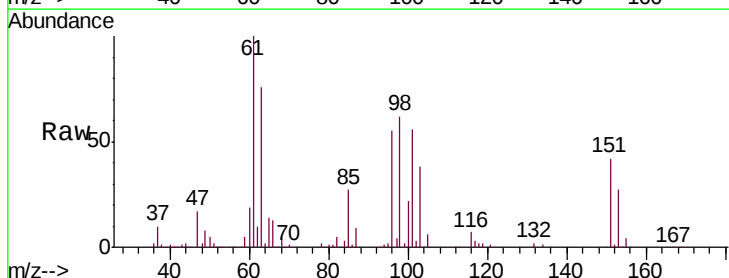
Tgt Ion: 96 Resp: 52751

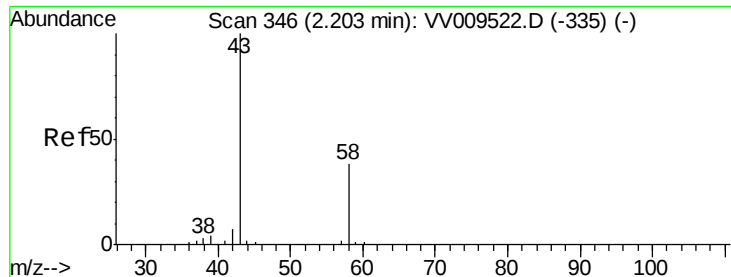
Ion Ratio Lower Upper

96 100

61 182.8 136.9 254.3

63 139.1 108.7 201.9





#13

Acetone

Concen: 46.171 ug/L

RT: 2.21 min Scan# 348

Delta R.T. 0.01 min

Lab File: VV009539.D

Acq: 07 Mar 2019 19:38

Instrument :

MSVOA_V

ClientSampleId :

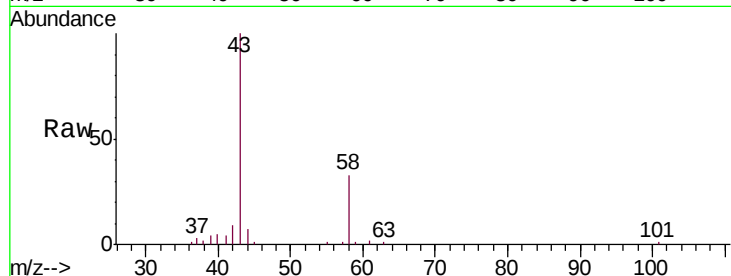
VSTD02571

Tgt Ion: 43 Resp: 29907

Ion Ratio Lower Upper

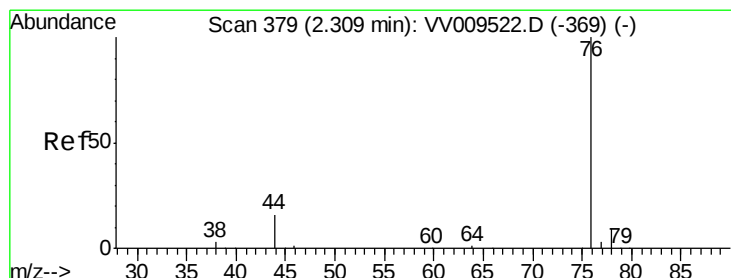
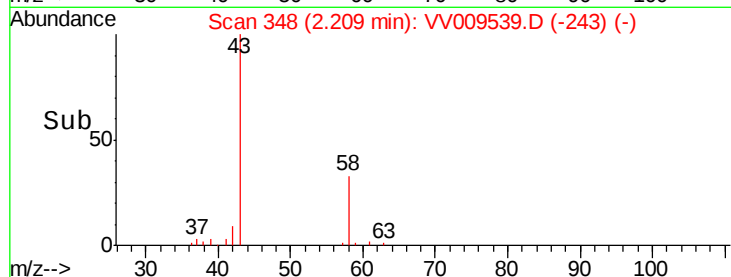
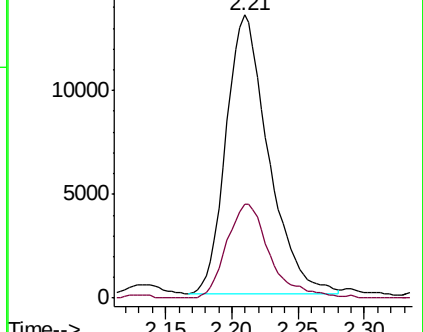
43 100

58 34.3 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VV009522.D (-335) (-)

Ion 58.00 (57.70 to 58.70): VV009522.D (-335) (-)



#14

Carbon disulfide

Concen: 24.877 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.01 min

Lab File: VV009539.D

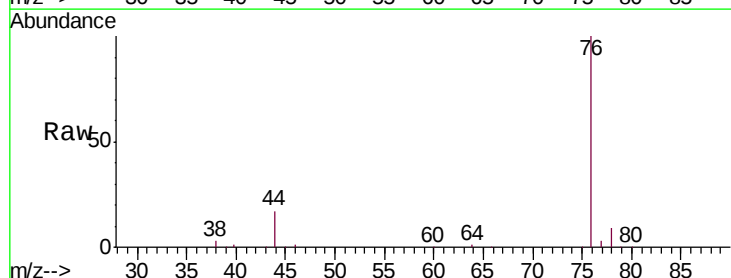
Acq: 07 Mar 2019 19:38

Tgt Ion: 76 Resp: 130203

Ion Ratio Lower Upper

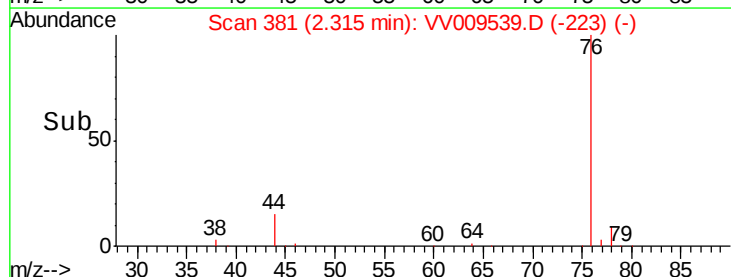
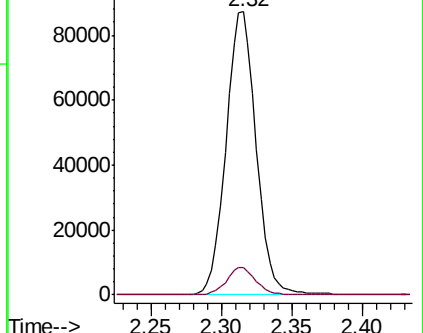
76 100

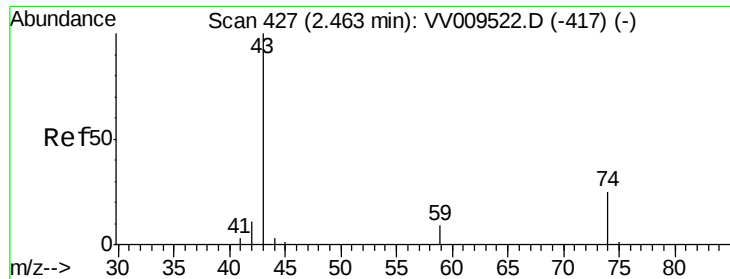
78 9.5 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VV009522.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV009522.D (-369) (-)





#15

Methyl Acetate

Concen: 25.060 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VV009539.D

Acq: 07 Mar 2019 19:38

Instrument :

MSVOA_V

ClientSampleId :

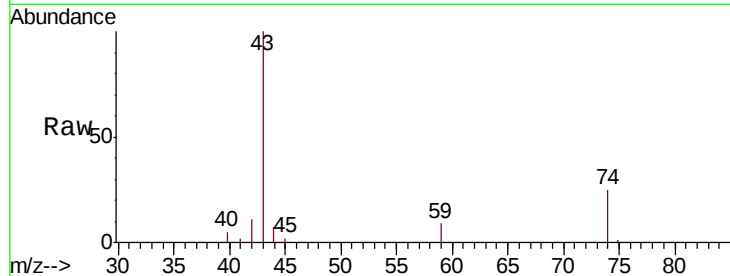
VSTD02571

Tgt Ion: 43 Resp: 26287

Ion Ratio Lower Upper

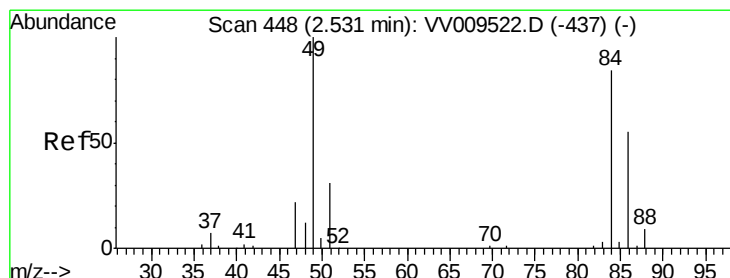
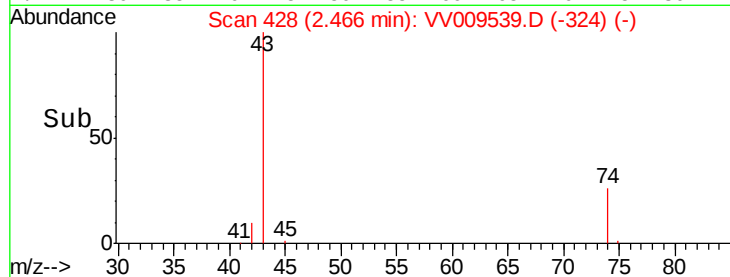
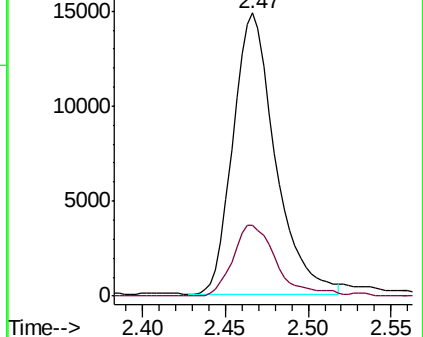
43 100

74 25.5 21.8 32.8



Abundance Ion 43.00 (42.70 to 43.70): VV009539.D (-324) (-)

Ion 74.00 (73.70 to 74.70): VV009539.D (-324) (-)



#16

Methylene chloride

Concen: 25.052 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV009539.D

Acq: 07 Mar 2019 19:38

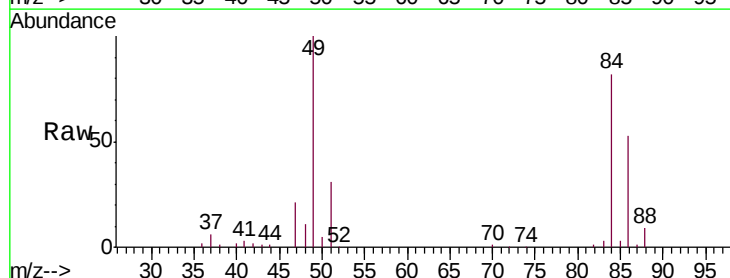
Tgt Ion: 84 Resp: 51062

Ion Ratio Lower Upper

84 100

49 122.2 84.6 157.0

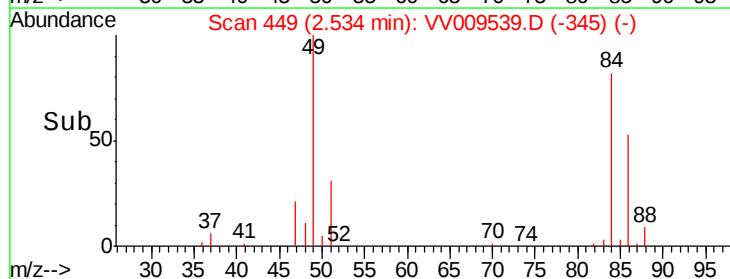
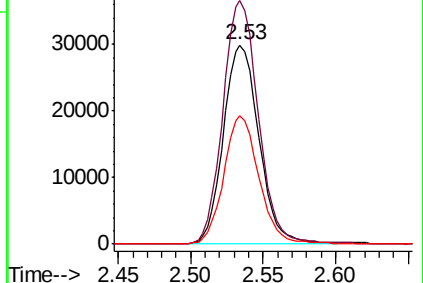
86 64.4 46.1 85.7

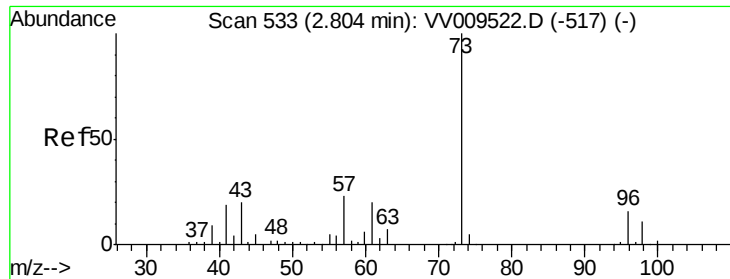


Abundance Ion 84.00 (83.70 to 84.70): VV009539.D (-345) (-)

Ion 49.00 (48.70 to 49.70): VV009539.D (-345) (-)

Ion 86.00 (85.70 to 86.70): VV009539.D (-345) (-)

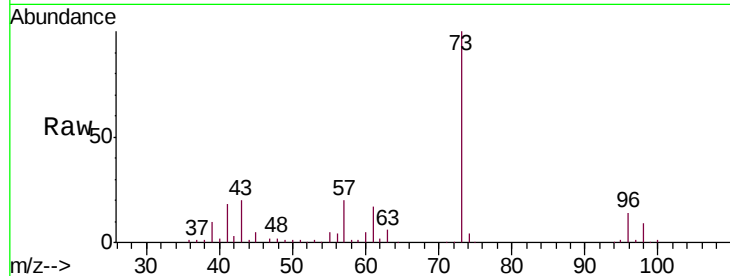




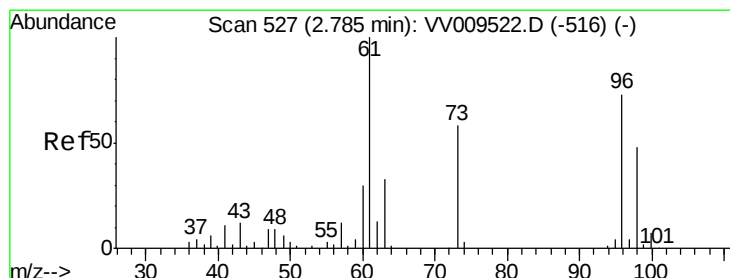
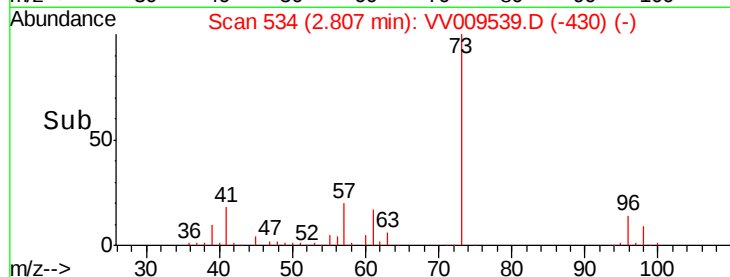
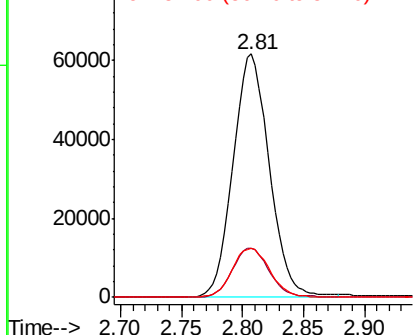
#17
Methyl tert-butyl Ether
Concen: 27.549 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV009539.D
Acq: 07 Mar 2019 19:38

Instrument :
MSVOA_V
ClientSampled :
VSTD02571

Tgt Ion: 73 Resp: 127387
Ion Ratio Lower Upper
73 100
43 20.0 15.0 22.4
57 20.9 17.0 25.4

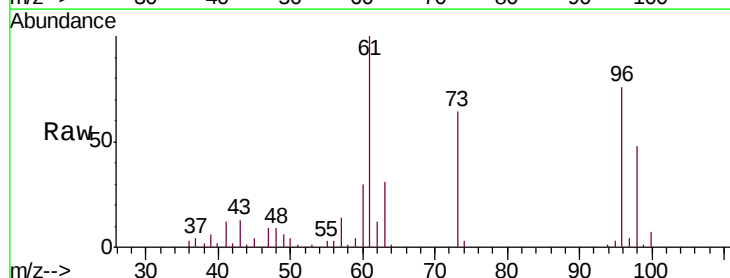


Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

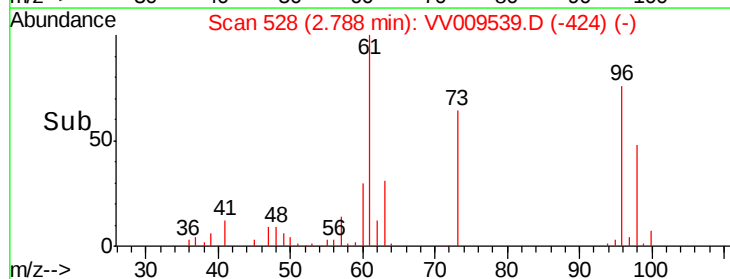
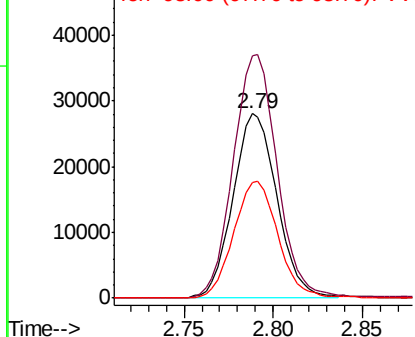


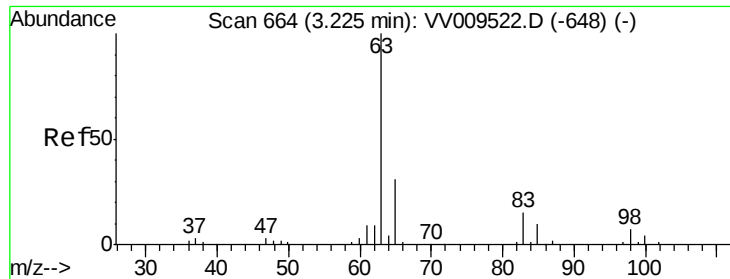
#18
trans-1,2-Dichloroethene
Concen: 25.945 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV009539.D
Acq: 07 Mar 2019 19:38

Tgt Ion: 96 Resp: 48122
Ion Ratio Lower Upper
96 100
61 131.7 95.6 177.6
98 62.9 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

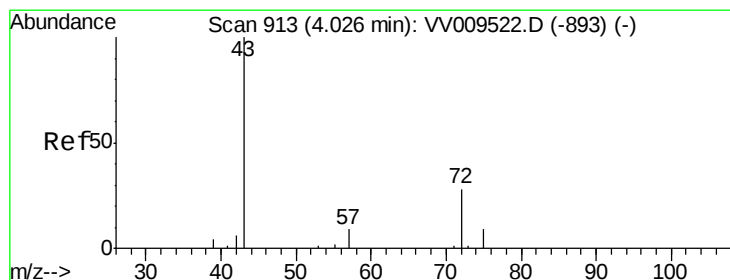
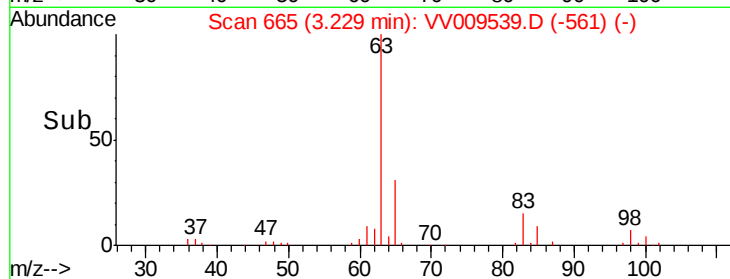
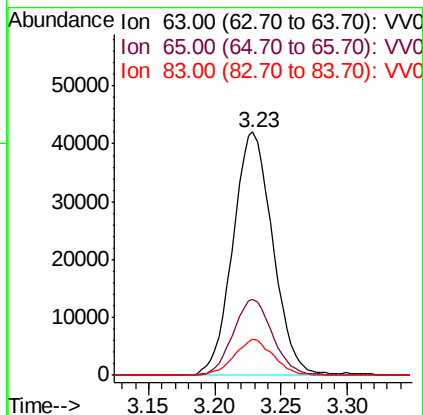
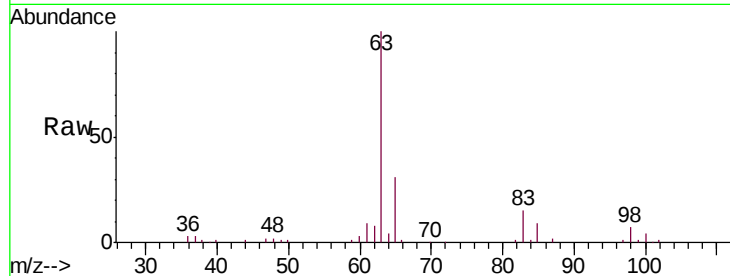




#19
 1,1-Dichloroethane
 Concen: 26.900 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV009539.D
 Acq: 07 Mar 2019 19:38

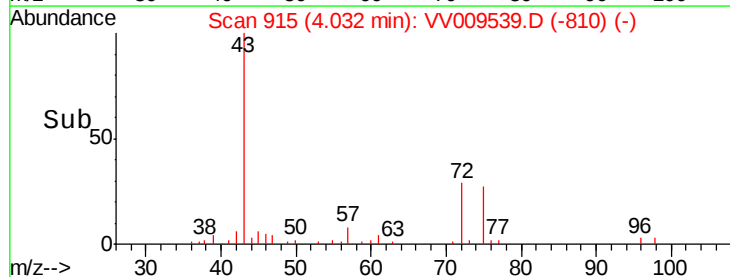
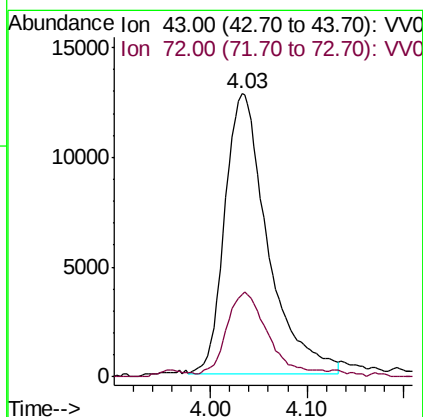
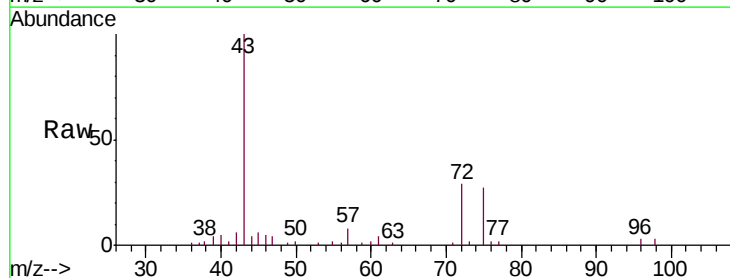
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02571

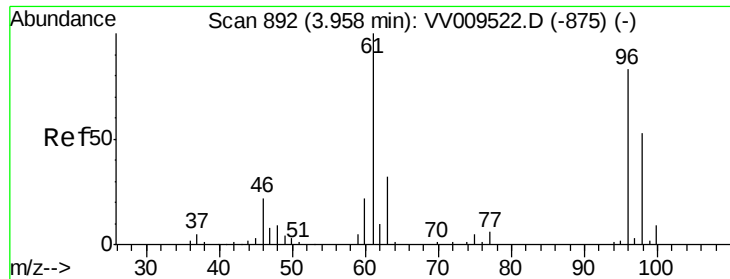
Tgt Ion: 63 Resp: 87911
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.1 41.1
 83 15.1 10.2 19.0



#21
 2-Butanone
 Concen: 47.913 ug/L
 RT: 4.03 min Scan# 915
 Delta R.T. 0.01 min
 Lab File: VV009539.D
 Acq: 07 Mar 2019 19:38

Tgt Ion: 43 Resp: 39169
 Ion Ratio Lower Upper
 43 100
 72 27.1 13.7 41.0



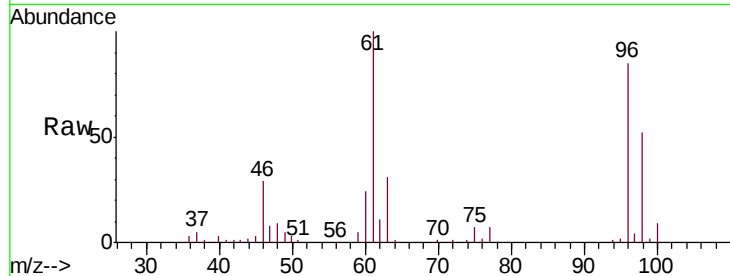


#22

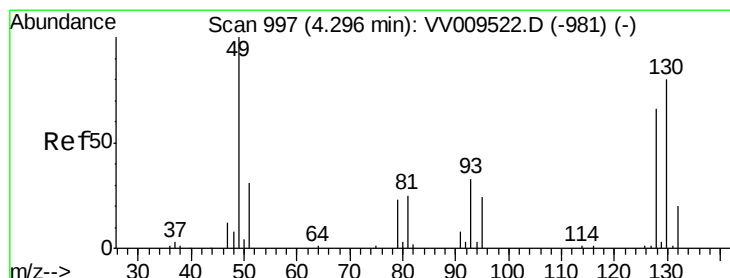
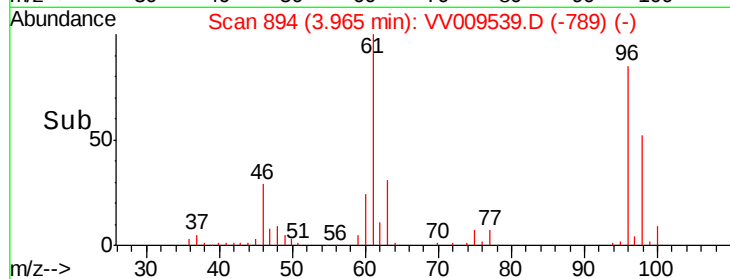
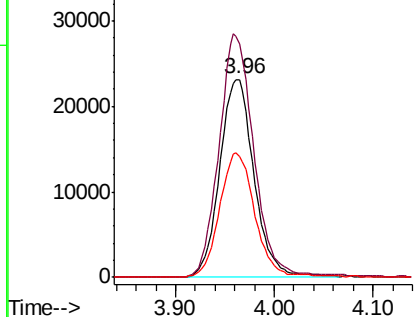
cis-1,2-Dichloroethene
 Concen: 26.951 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.01 min
 Lab File: VV009539.D
 Acq: 07 Mar 2019 19:38

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02571

Tgt Ion: 96 Resp: 56433
 Ion Ratio Lower Upper
 96 100
 61 118.0 87.2 161.9
 98 61.0 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

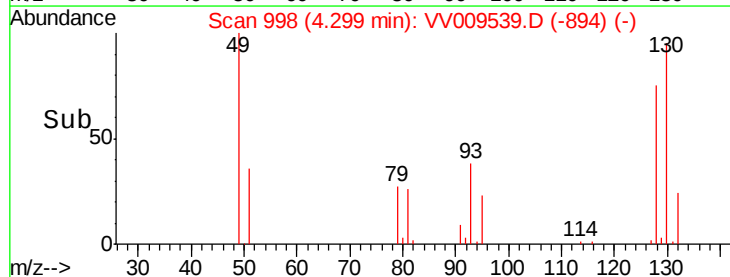
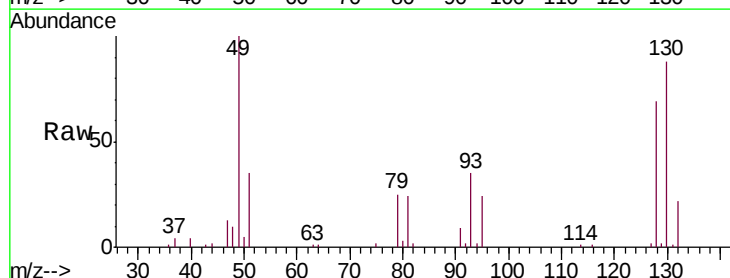
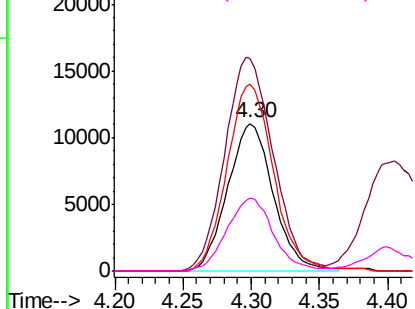


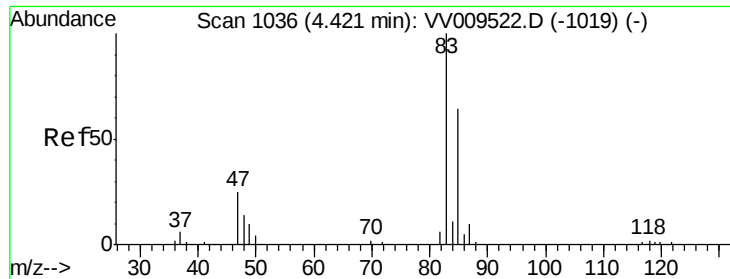
#23

Bromochloromethane
 Concen: 26.669 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VV009539.D
 Acq: 07 Mar 2019 19:38

Tgt Ion: 128 Resp: 25749
 Ion Ratio Lower Upper
 128 100
 49 144.1 115.5 214.5
 130 126.5 92.6 172.0
 51 49.8 43.4 65.2

Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VV0
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VV0

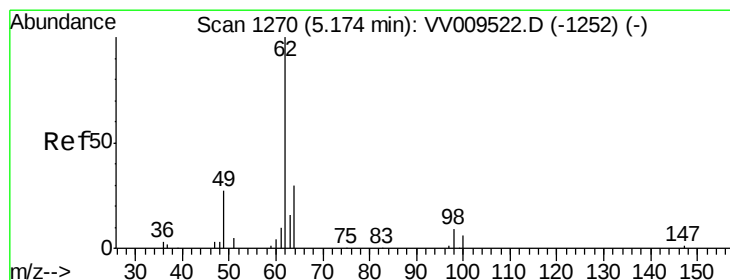
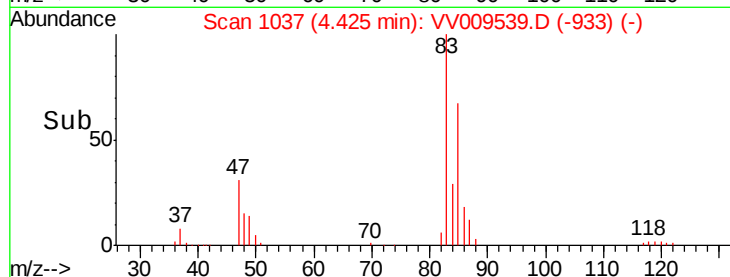
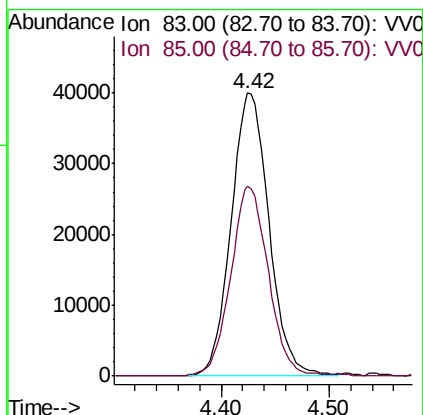
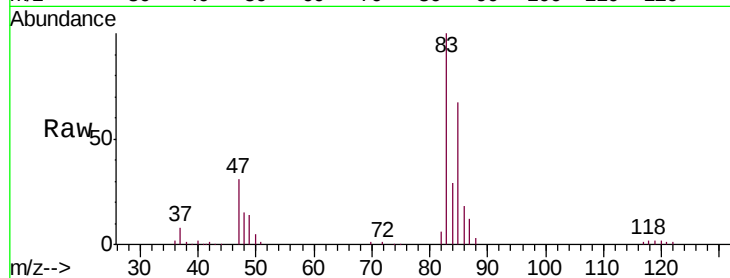




#25
Chloroform
Concen: 26.815 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV009539.D
Acq: 07 Mar 2019 19:38

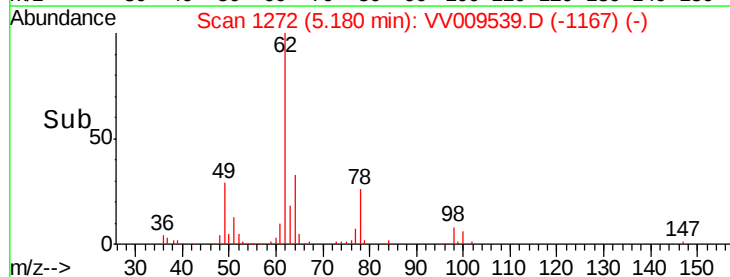
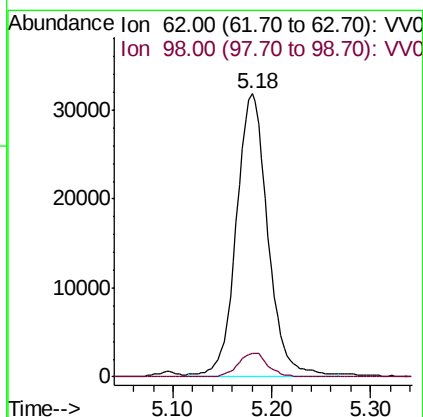
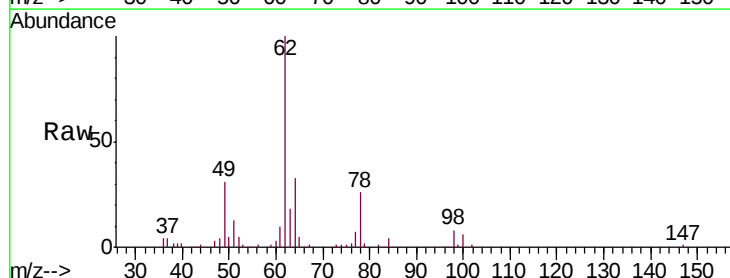
Instrument :
MSVOA_V
ClientSampleId :
VSTD02571

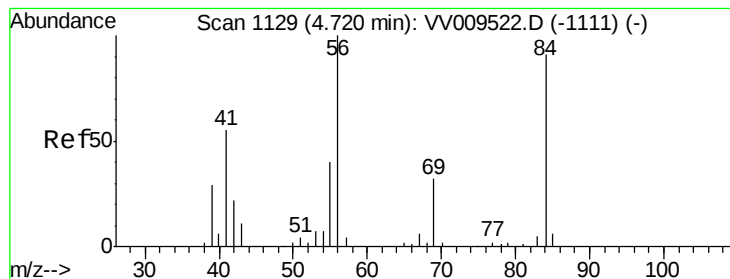
Tgt Ion: 83 Resp: 97798
Ion Ratio Lower Upper
83 100
85 66.4 45.4 84.2



#27
1,2-Dichloroethane
Concen: 28.027 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VV009539.D
Acq: 07 Mar 2019 19:38

Tgt Ion: 62 Resp: 70993
Ion Ratio Lower Upper
62 100
98 8.4 6.6 10.0





#30

Cyclohexane

Concen: 23.543 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV009539.D

Acq: 07 Mar 2019 19:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD02571

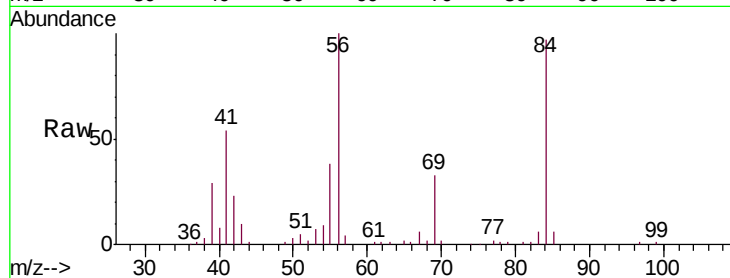
Tgt Ion: 56 Resp: 77366

Ion Ratio Lower Upper

56 100

69 32.2 24.9 37.3

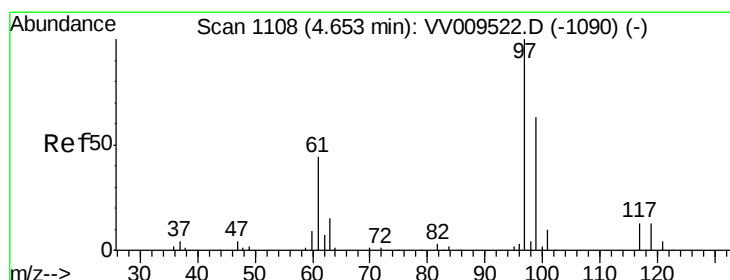
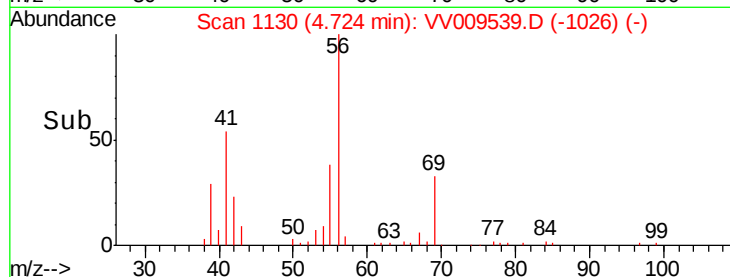
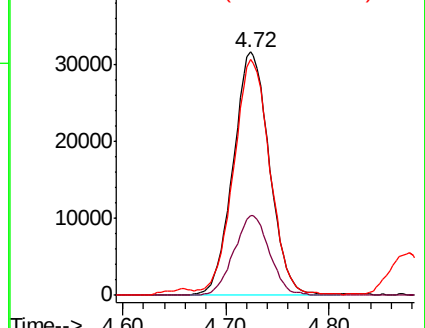
84 96.0 71.9 107.9



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#31

1,1,1-Trichloroethane

Concen: 24.441 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV009539.D

Acq: 07 Mar 2019 19:38

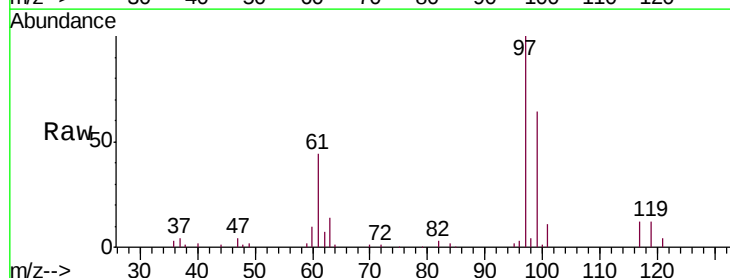
Tgt Ion: 97 Resp: 84601

Ion Ratio Lower Upper

97 100

99 63.8 51.0 76.4

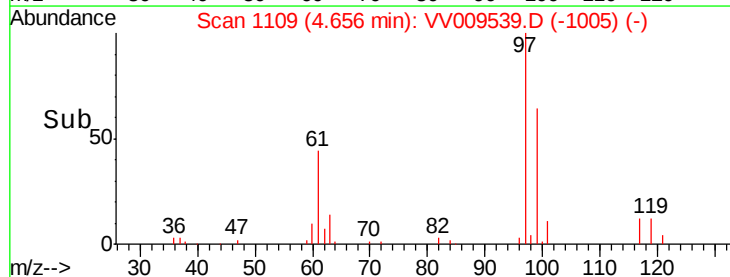
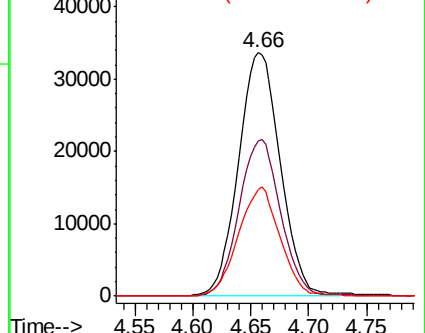
61 44.2 36.1 54.1

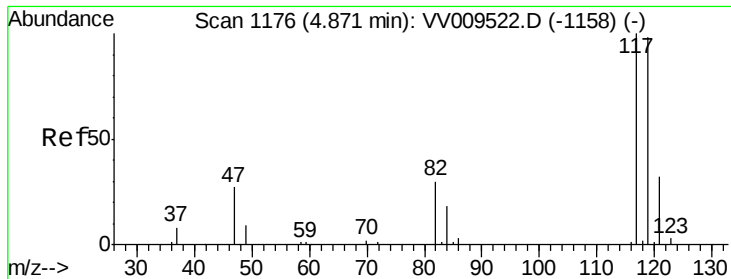


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.00 (60.70 to 61.70): VV0





#32

Carbon tetrachloride

Concen: 23.926 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV009539.D

Acq: 07 Mar 2019 19:38

Instrument :

MSVOA_V

ClientSampleId :

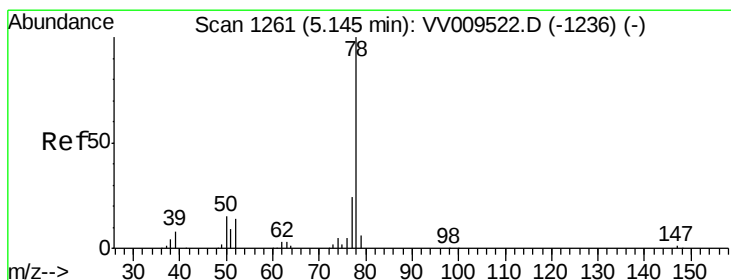
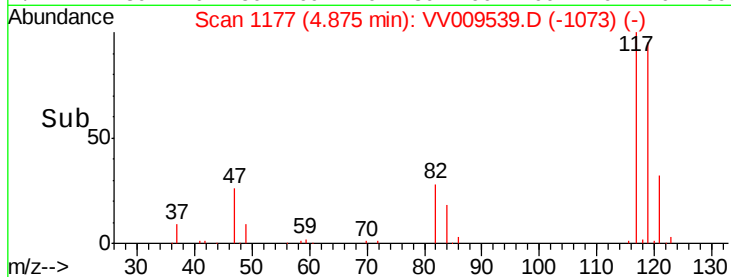
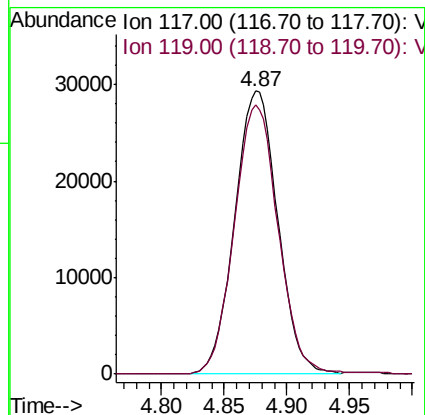
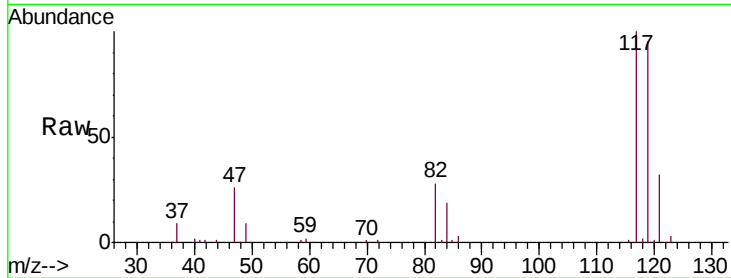
VSTD02571

Tgt Ion:117 Resp: 70016

Ion Ratio Lower Upper

117 100

119 96.7 76.5 114.7



#34

Benzene

Concen: 25.187 ug/L

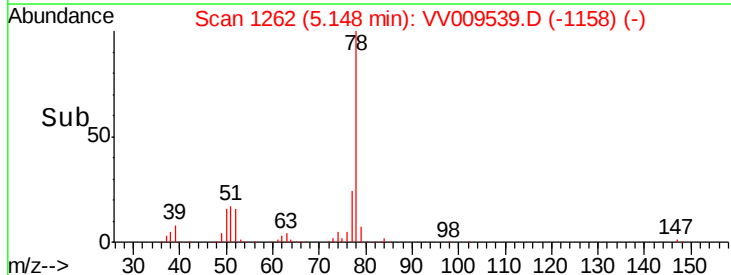
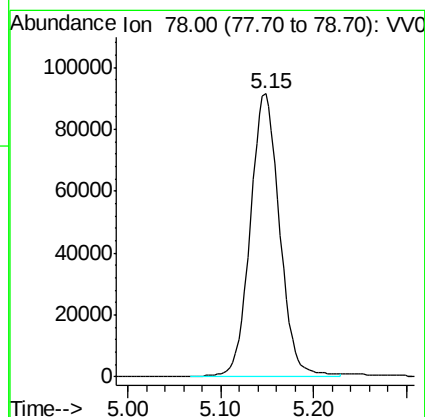
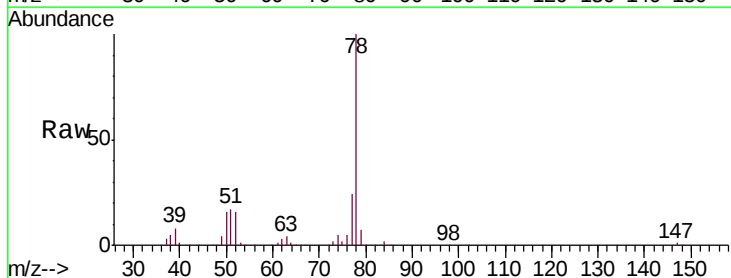
RT: 5.15 min Scan# 1262

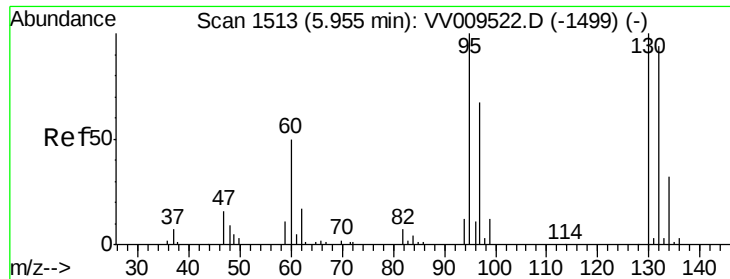
Delta R.T. 0.00 min

Lab File: VV009539.D

Acq: 07 Mar 2019 19:38

Tgt Ion: 78 Resp: 201515

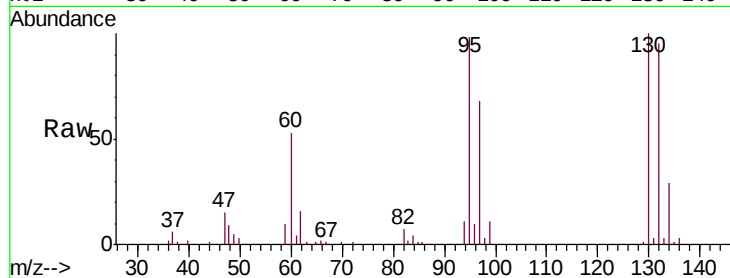




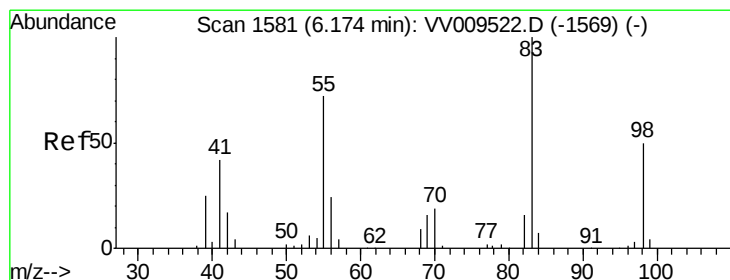
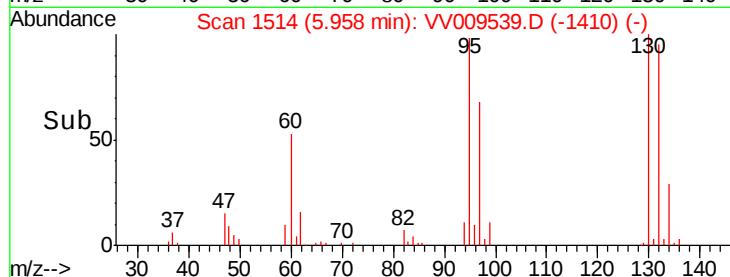
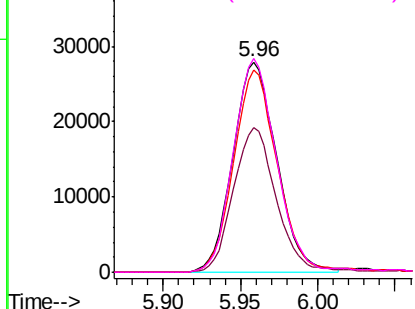
#35
 Trichloroethene
 Concen: 23.935 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV009539.D
 Acq: 07 Mar 2019 19:38

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD02571

Tgt Ion: 95 Resp: 55036
 Ion Ratio Lower Upper
 95 100
 97 67.2 44.3 82.3
 132 95.1 64.4 119.6
 130 99.1 69.4 128.8

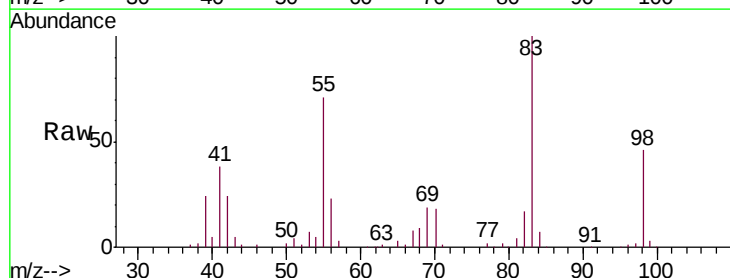


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

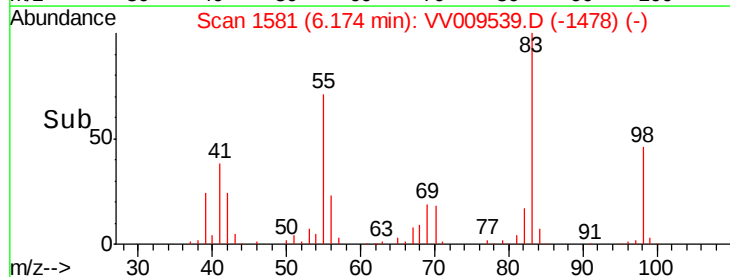
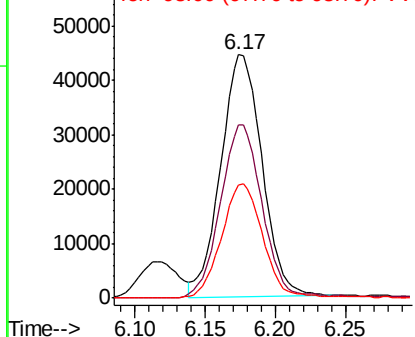


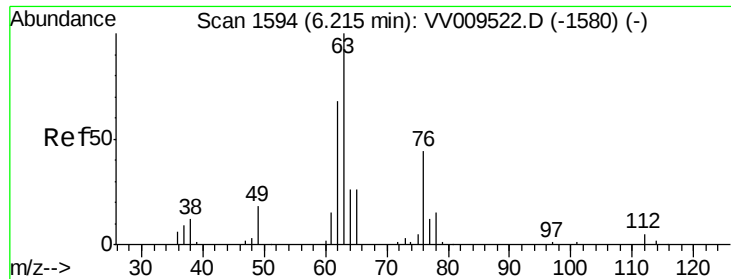
#36
 Methylcyclohexane
 Concen: 24.156 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV009539.D
 Acq: 07 Mar 2019 19:38

Tgt Ion: 83 Resp: 90483
 Ion Ratio Lower Upper
 83 100
 55 72.6 58.8 88.2
 98 47.6 37.7 56.5



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

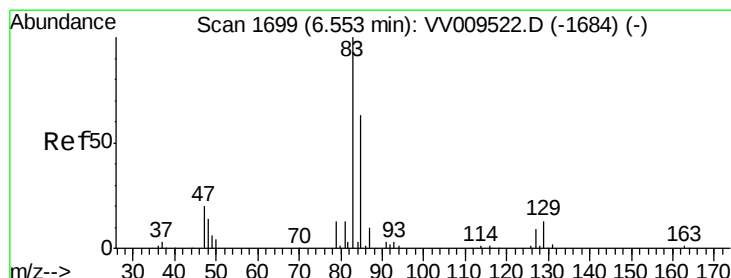
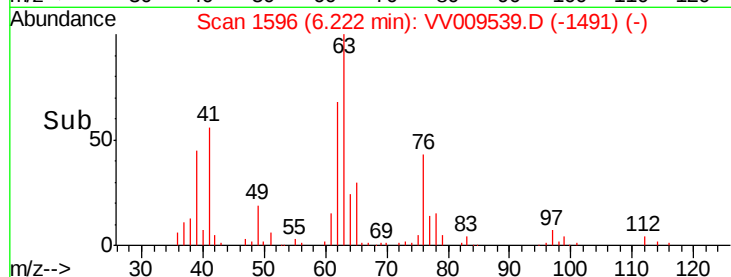
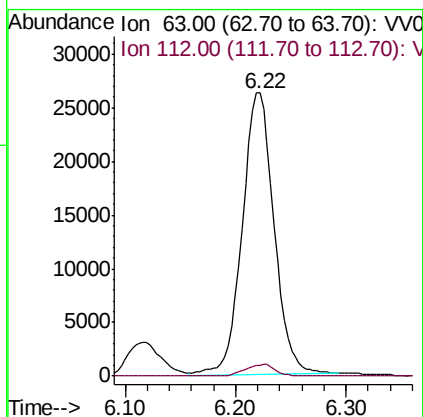
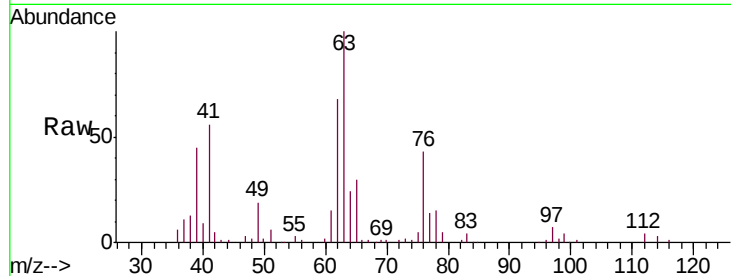




#40
 1,2-Dichloropropane
 Concen: 25.329 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.01 min
 Lab File: VV009539.D
 Acq: 07 Mar 2019 19:38

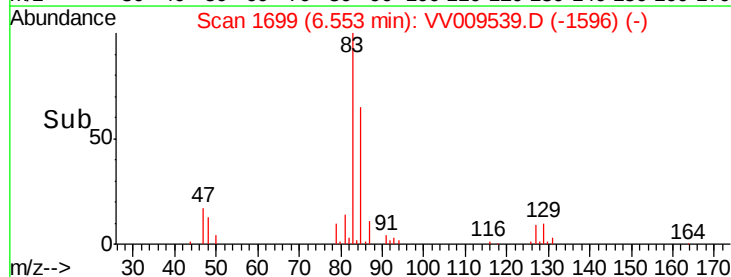
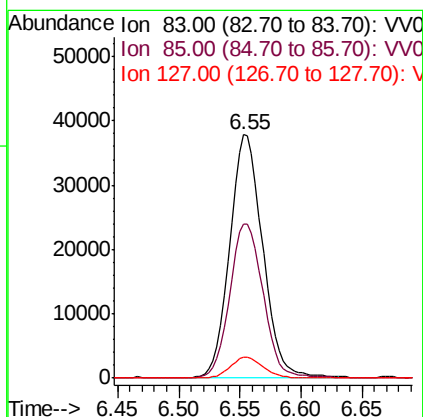
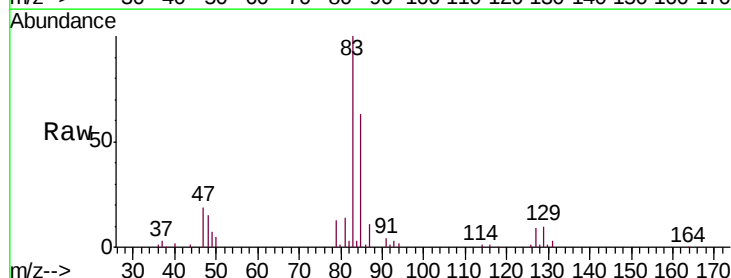
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02571

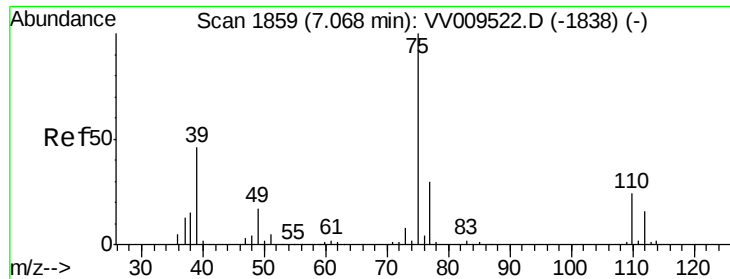
Tgt Ion: 63 Resp: 52252
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.0 4.4



#41
 Bromodichloromethane
 Concen: 25.691 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV009539.D
 Acq: 07 Mar 2019 19:38

Tgt Ion: 83 Resp: 71536
 Ion Ratio Lower Upper
 83 100
 85 63.5 46.5 86.3
 127 8.8 7.2 10.8



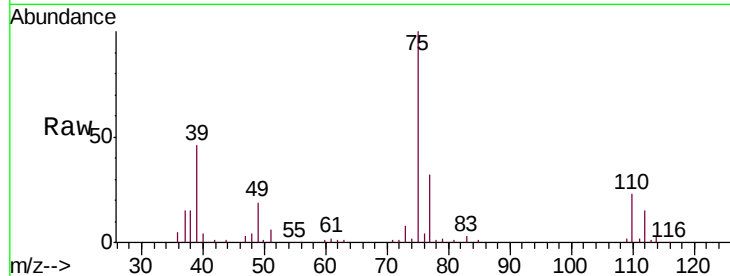


#42

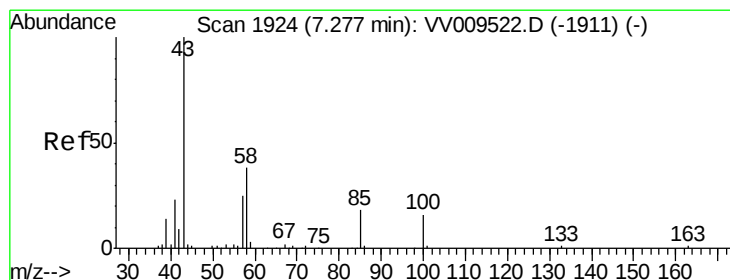
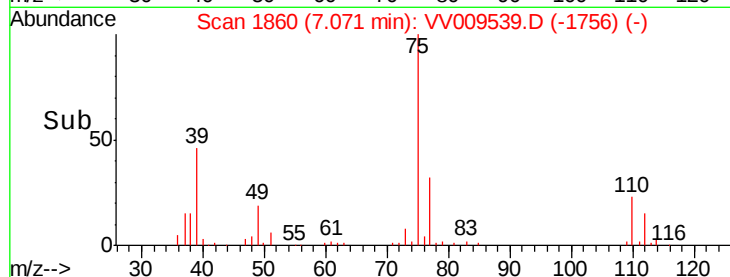
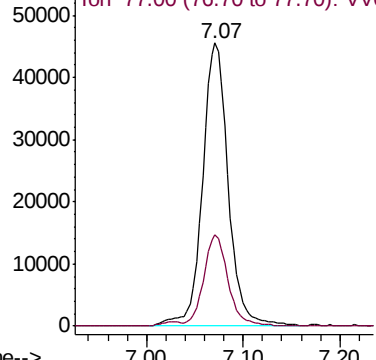
cis-1,3-Dichloropropene
Concen: 26.295 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV009539.D
Acq: 07 Mar 2019 19:38

Instrument :
MSVOA_V
ClientSampleId :
VSTD02571

Tgt Ion: 75 Resp: 84216
Ion Ratio Lower Upper
75 100
77 32.1 21.4 39.8



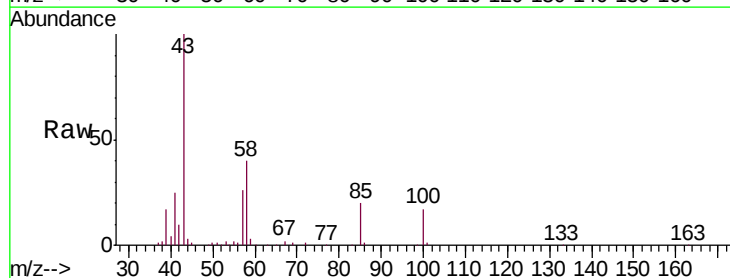
Abundance Ion 75.00 (74.70 to 75.70): VV009522.D (-1838) (-)
Ion 77.00 (76.70 to 77.70): VV009522.D (-1838) (-)



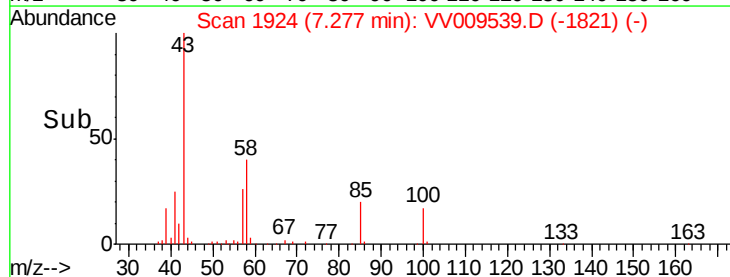
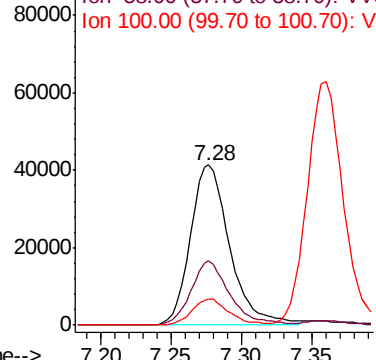
#43

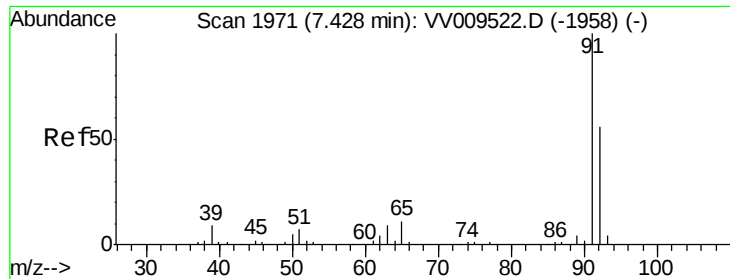
4-Methyl-2-pentanone
Concen: 49.662 ug/L
RT: 7.28 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VV009539.D
Acq: 07 Mar 2019 19:38

Tgt Ion: 43 Resp: 80761
Ion Ratio Lower Upper
43 100
58 39.3 31.9 47.9
100 15.4 12.8 19.2



Abundance Ion 43.00 (42.70 to 43.70): VV009522.D (-1911) (-)
Ion 58.00 (57.70 to 58.70): VV009522.D (-1911) (-)
Ion 100.00 (99.70 to 100.70): VV009522.D (-1911) (-)





#44

Toluene

Concen: 24.736 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV009539.D

Acq: 07 Mar 2019 19:38

Instrument :

MSVOA_V

ClientSampled :

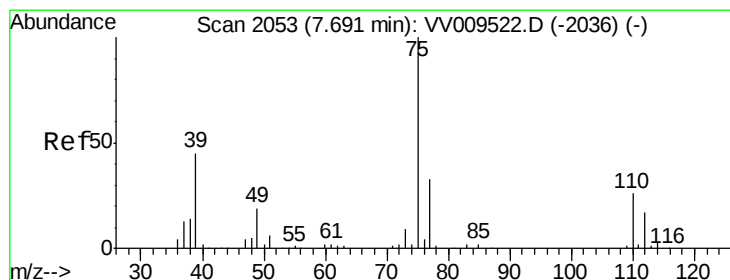
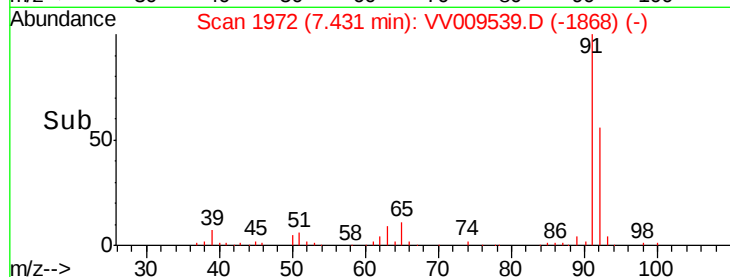
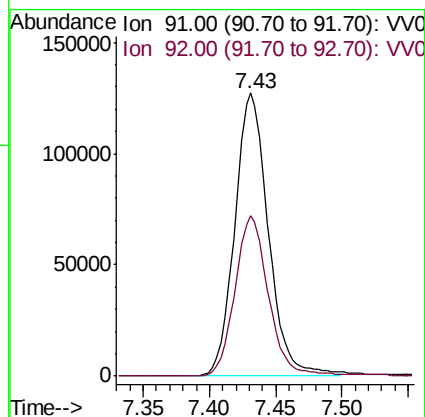
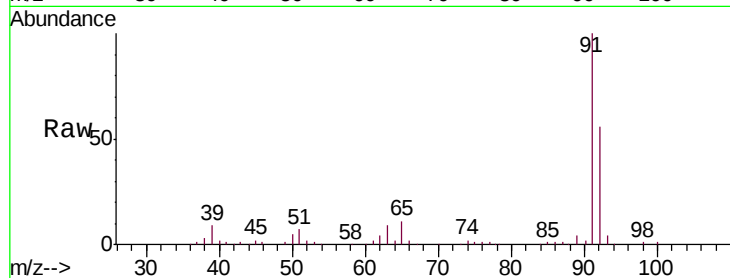
VSTD02571

Tgt Ion: 91 Resp: 223705

Ion Ratio Lower Upper

91 100

92 56.5 39.6 73.6



#45

trans-1,3-Dichloropropene

Concen: 25.835 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV009539.D

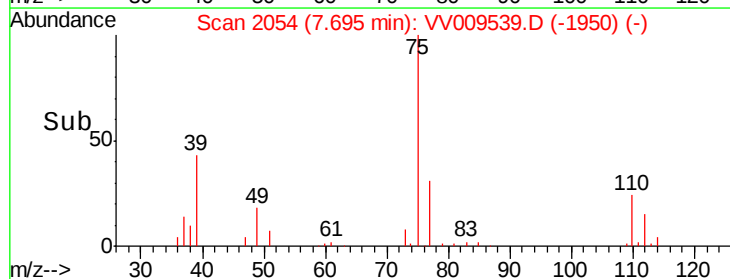
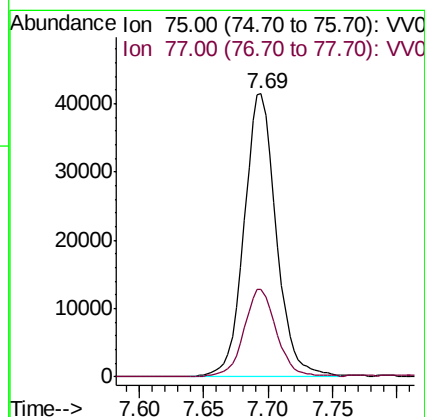
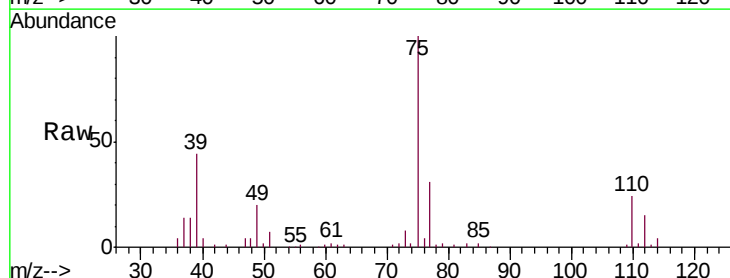
Acq: 07 Mar 2019 19:38

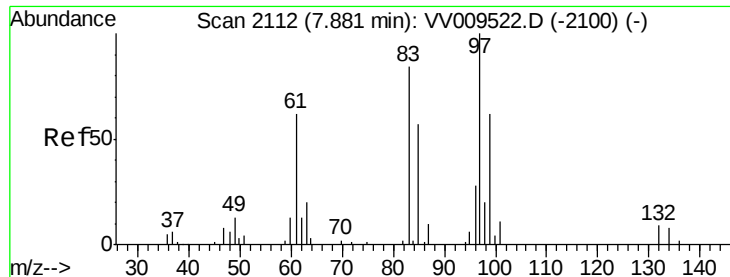
Tgt Ion: 75 Resp: 72262

Ion Ratio Lower Upper

75 100

77 31.0 22.5 41.7

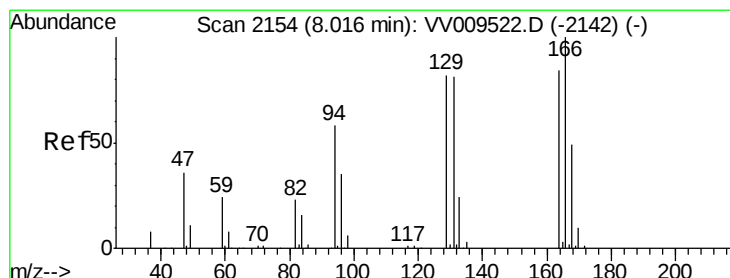
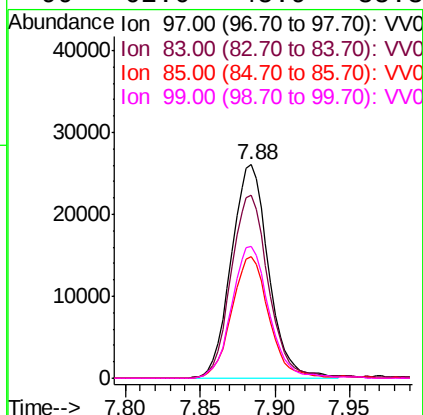
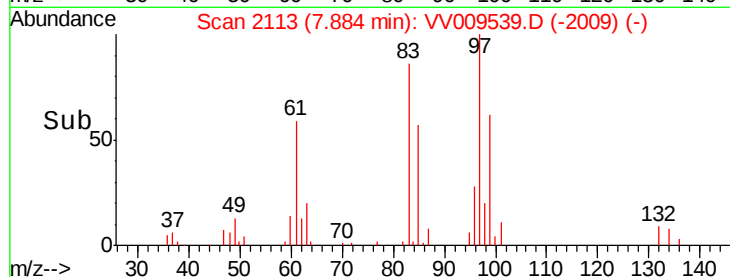
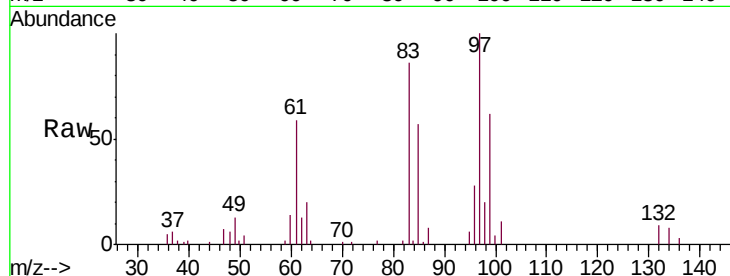




#46
 1,1,2-Trichloroethane
 Concen: 26.416 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV009539.D
 Acq: 07 Mar 2019 19:38

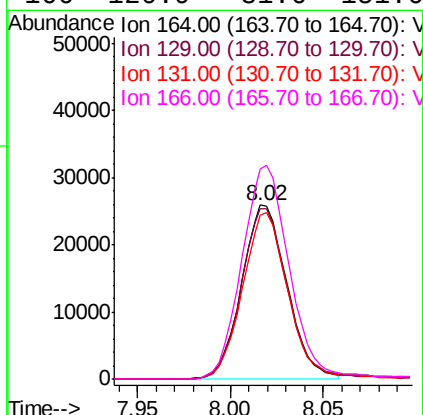
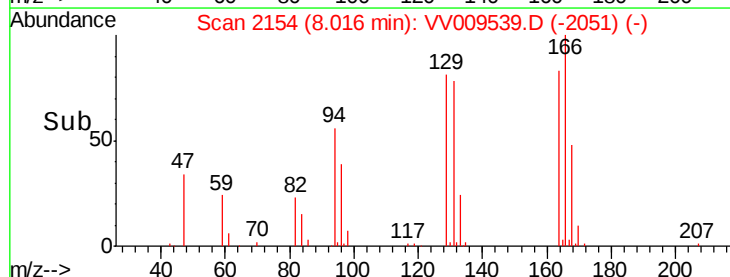
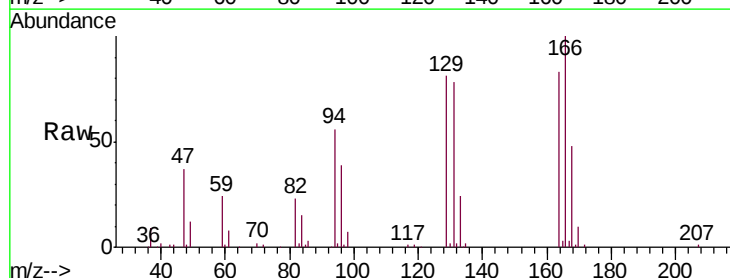
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02571

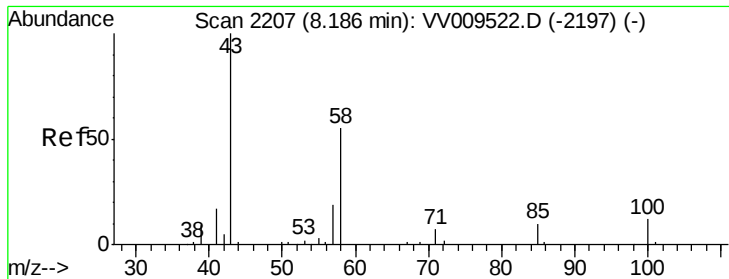
Tgt Ion:	97	Resp:	45275
Ion	Ratio	Lower	Upper
97	100		
83	85.5	63.8	118.6
85	57.0	39.5	73.4
99	62.0	45.9	85.3



#47
 Tetrachloroethene
 Concen: 25.272 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV009539.D
 Acq: 07 Mar 2019 19:38

Tgt Ion:	164	Resp:	44074
Ion	Ratio	Lower	Upper
164	100		
129	97.8	67.7	125.7
131	94.5	67.5	125.3
166	120.9	81.6	151.6

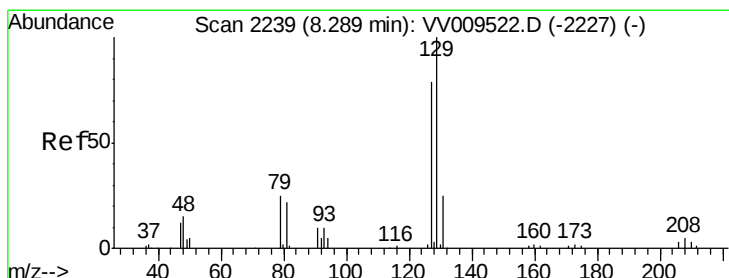
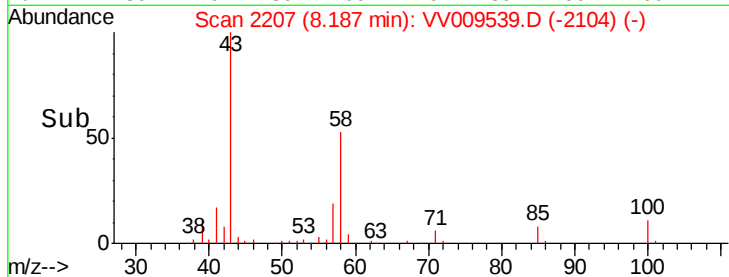
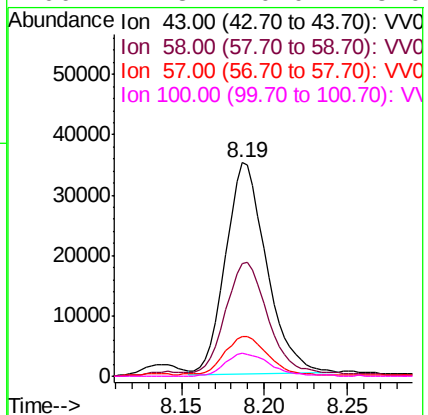
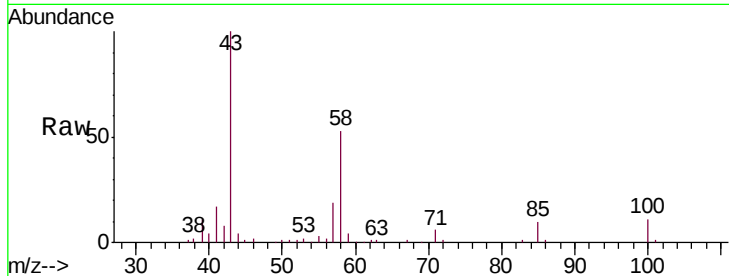




#49
2-Hexanone
Concen: 48.852 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV009539.D
Acq: 07 Mar 2019 19:38

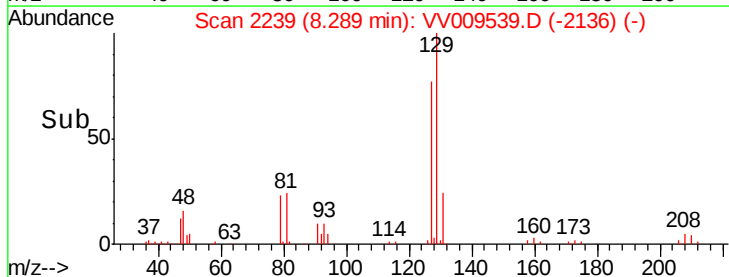
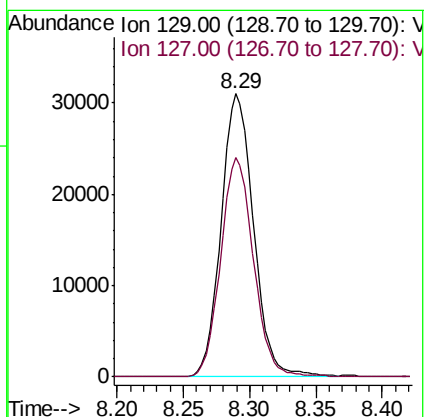
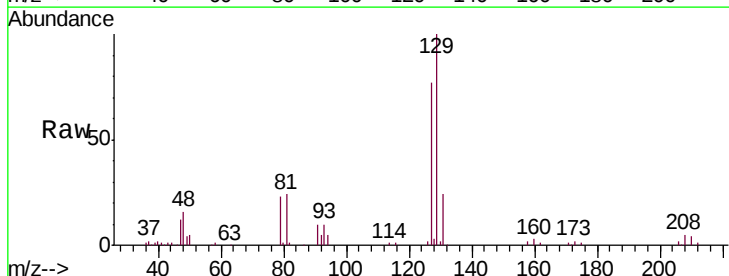
Instrument :
MSVOA_V
ClientSampled :
VSTD02571

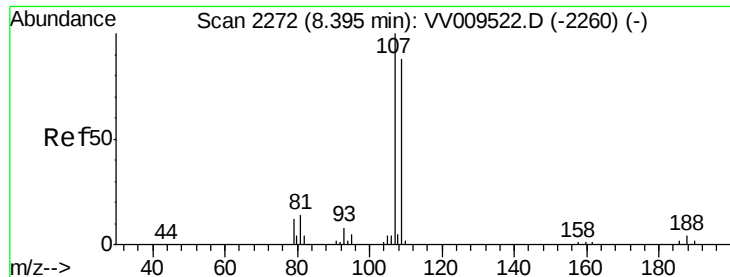
Tgt Ion: 43 Resp: 60074
Ion Ratio Lower Upper
43 100
58 55.4 46.3 69.5
57 19.2 15.8 23.6
100 11.8 10.0 15.0



#50
Dibromochloromethane
Concen: 25.449 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV009539.D
Acq: 07 Mar 2019 19:38

Tgt Ion: 129 Resp: 52806
Ion Ratio Lower Upper
129 100
127 77.4 53.7 99.7





#51

1,2-Dibromoethane

Concen: 25.583 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV009539.D

Acq: 07 Mar 2019 19:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD02571

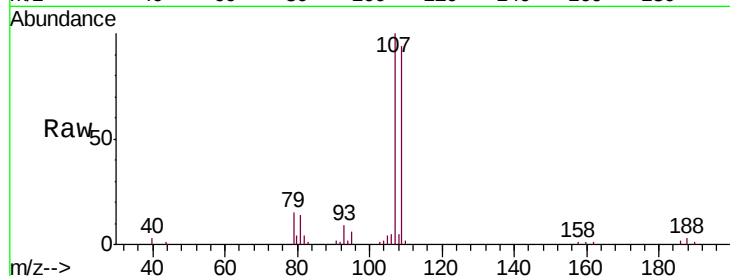
Tgt Ion:107 Resp: 45302

Ion Ratio Lower Upper

107 100

109 93.6 65.6 121.8

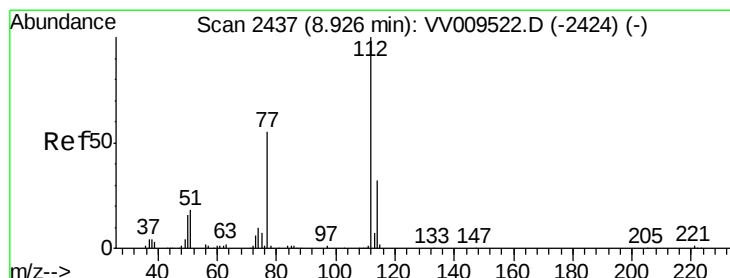
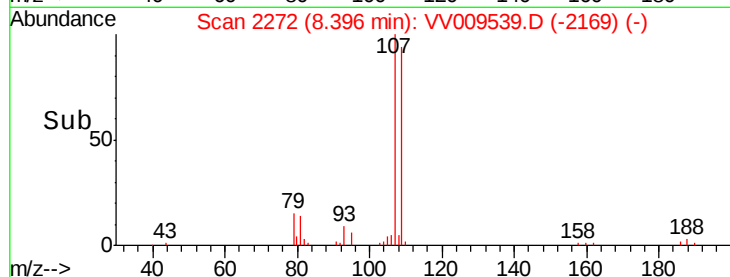
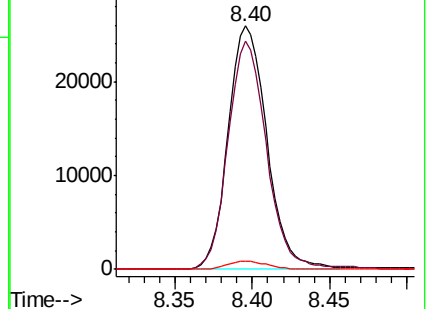
188 3.2 2.3 3.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 25.238 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV009539.D

Acq: 07 Mar 2019 19:38

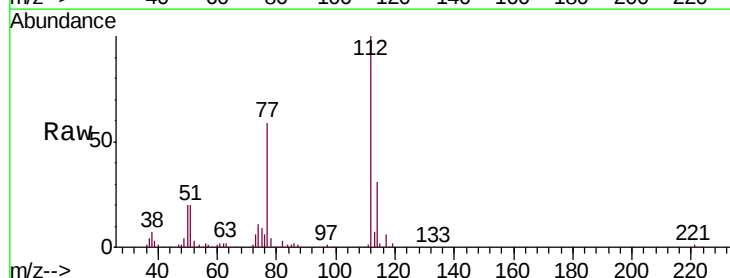
Tgt Ion:112 Resp: 151291

Ion Ratio Lower Upper

112 100

77 59.1 45.0 67.6

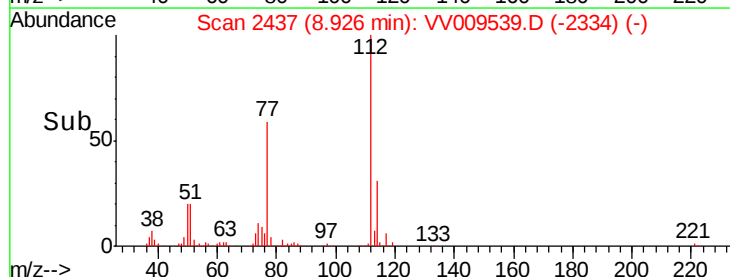
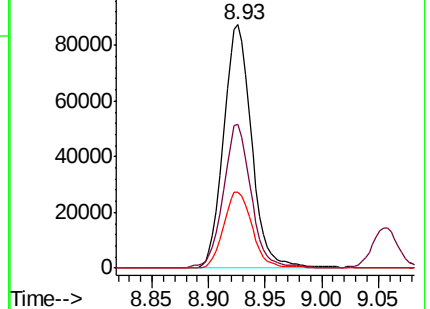
114 31.3 22.9 42.5

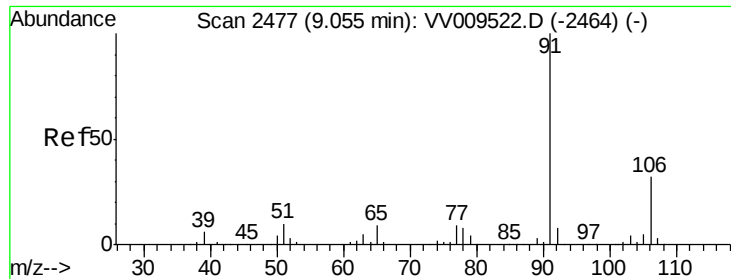


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 24.889 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV009539.D

Acq: 07 Mar 2019 19:38

Instrument :

MSVOA_V

ClientSampleId :

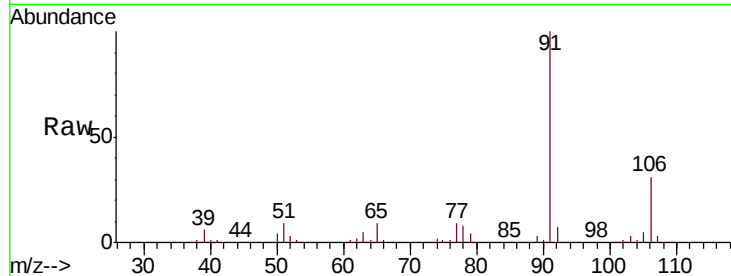
VSTD02571

Tgt Ion: 91 Resp: 257580

Ion Ratio Lower Upper

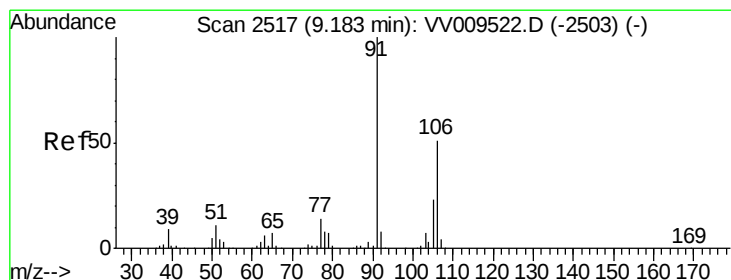
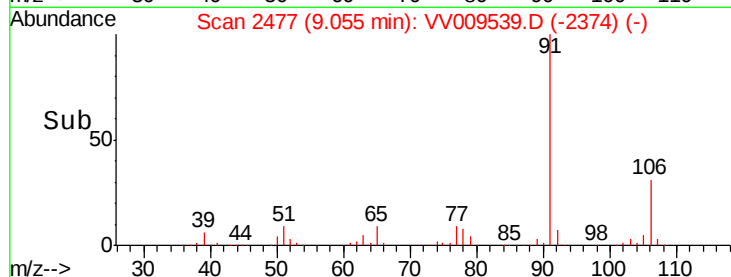
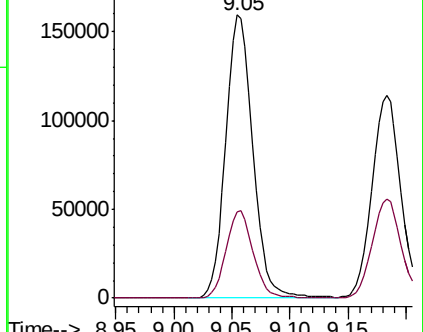
91 100

106 30.7 23.0 42.6



Abundance Ion 91.00 (90.70 to 91.70): VV009522.D (-2464) (-)

Ion 106.00 (105.70 to 106.70): VV009522.D (-2464) (-)



#54

m,p-Xylene

Concen: 24.769 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV009539.D

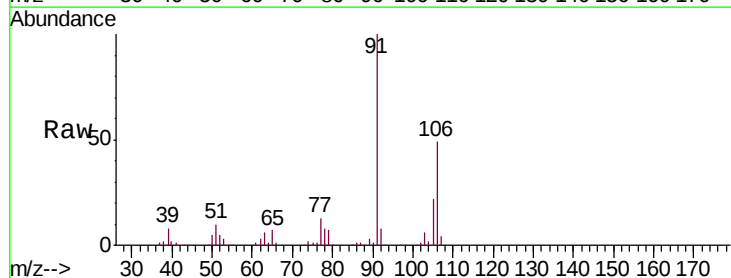
Acq: 07 Mar 2019 19:38

Tgt Ion: 106 Resp: 97020

Ion Ratio Lower Upper

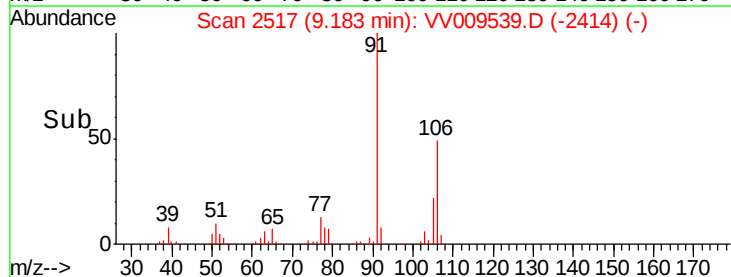
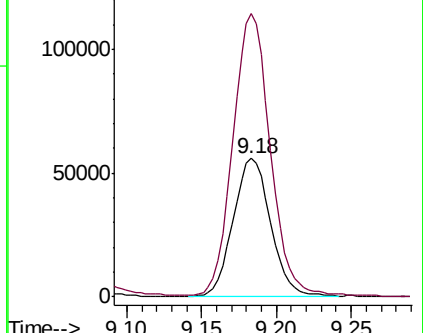
106 100

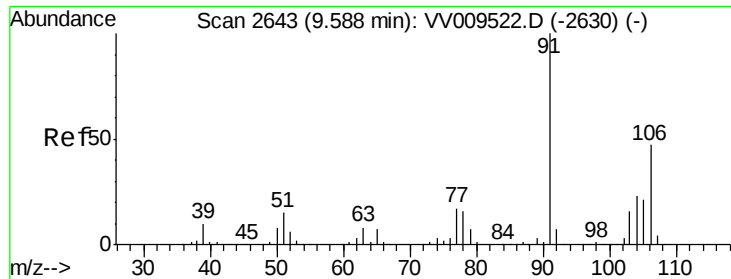
91 204.7 138.5 257.1



Abundance Ion 106.00 (105.70 to 106.70): VV009522.D (-2503) (-)

Ion 91.00 (90.70 to 91.70): VV009522.D (-2503) (-)





#55

o-xylene

Concen: 25.591 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV009539.D

Acq: 07 Mar 2019 19:38

Instrument :

MSVOA_V

ClientSampleId :

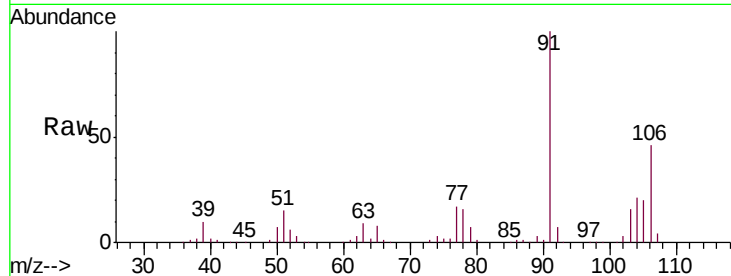
VSTD02571

Tgt Ion:106 Resp: 96659

Ion Ratio Lower Upper

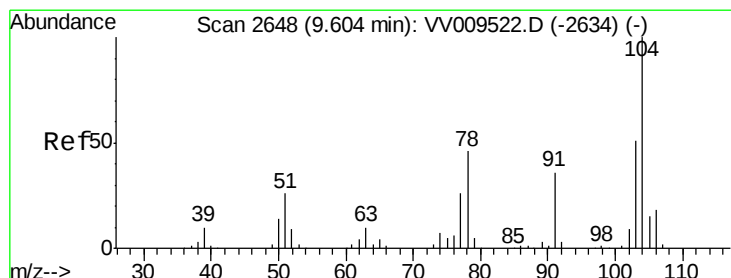
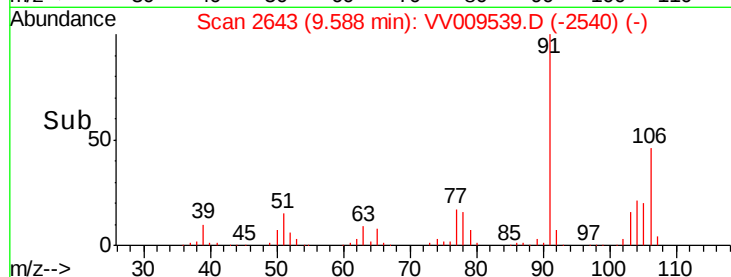
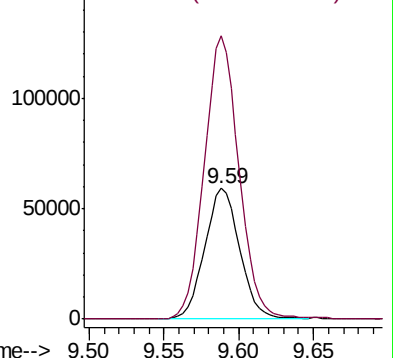
106 100

91 216.2 143.8 267.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 25.641 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV009539.D

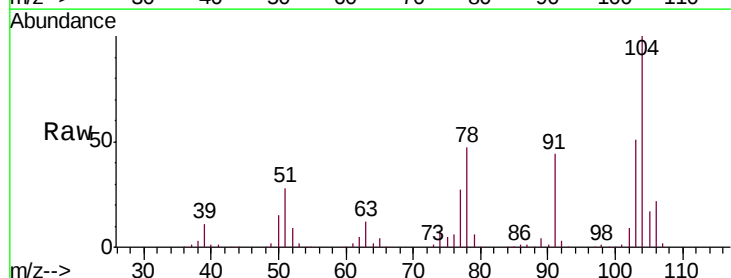
Acq: 07 Mar 2019 19:38

Tgt Ion:104 Resp: 159326

Ion Ratio Lower Upper

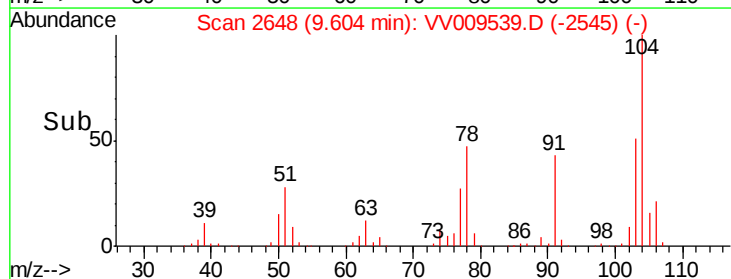
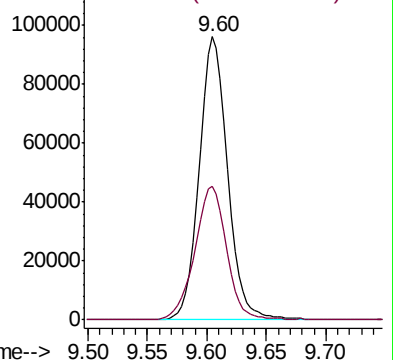
104 100

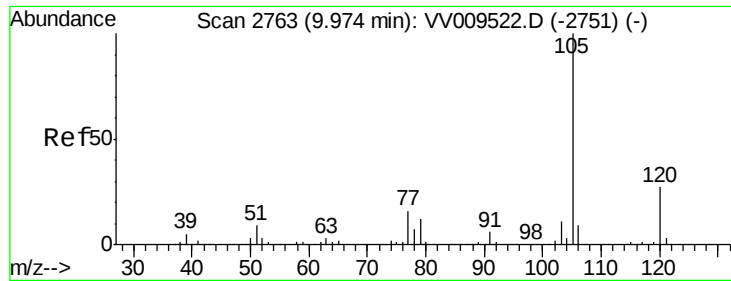
78 47.4 32.7 60.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 24.830 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV009539.D

Acq: 07 Mar 2019 19:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD02571

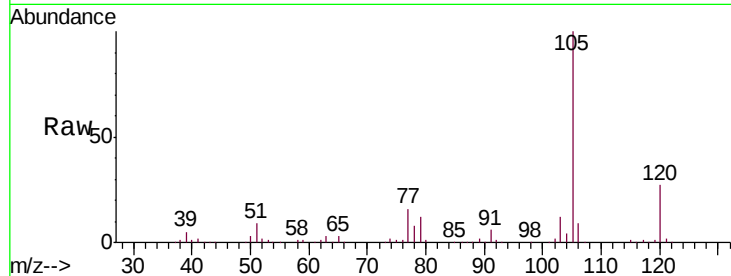
Tgt Ion: 105 Resp: 258671

Ion Ratio Lower Upper

105 100

120 26.5 21.4 32.2

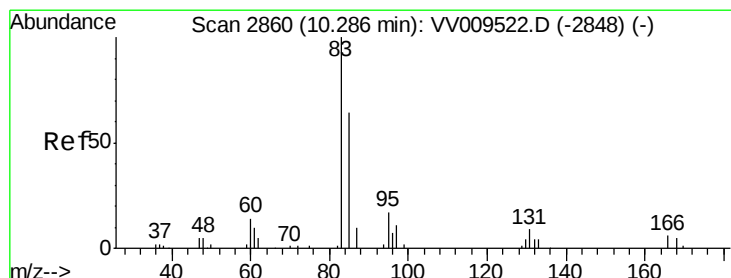
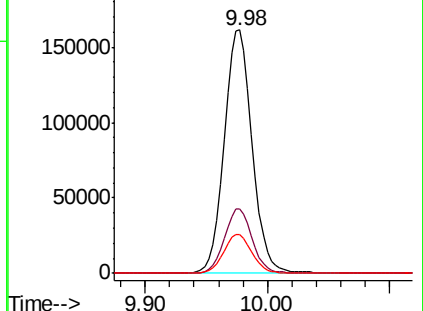
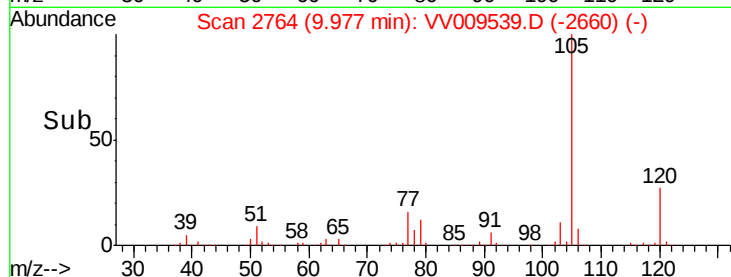
77 16.3 12.8 19.2



Abundance Ion 105.00 (104.70 to 105.70): VV009522.D (-2751) (-)

Ion 120.00 (119.70 to 120.70): VV009522.D (-2751) (-)

Ion 77.00 (76.70 to 77.70): VV009522.D (-2751) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 25.691 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV009539.D

Acq: 07 Mar 2019 19:38

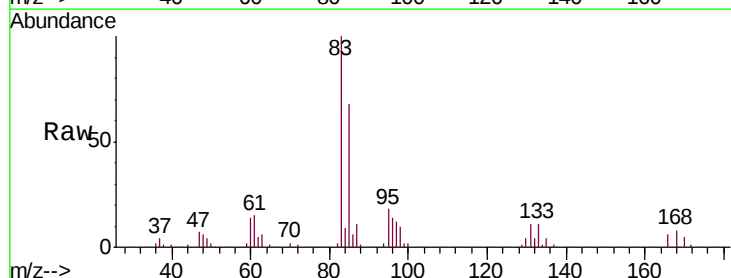
Tgt Ion: 83 Resp: 62174

Ion Ratio Lower Upper

83 100

85 67.7 44.7 83.1

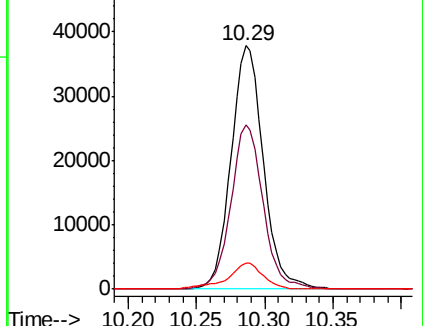
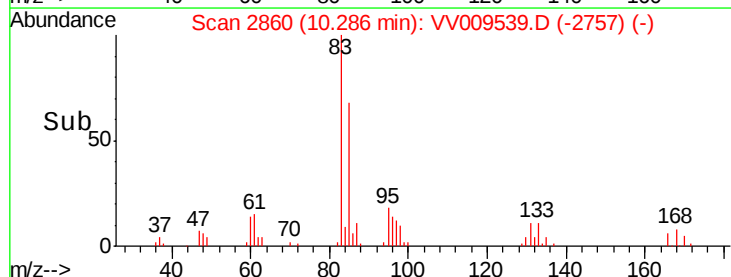
131 10.9 7.0 10.6#

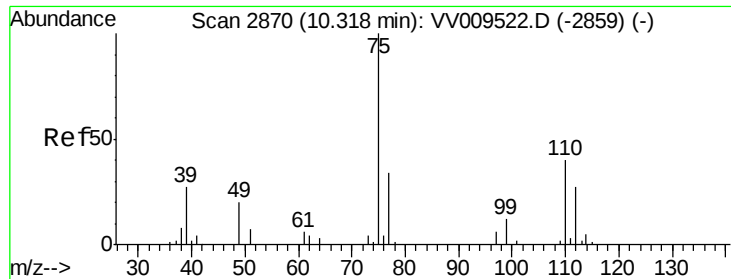


Abundance Ion 83.00 (82.70 to 83.70): VV009522.D (-2848) (-)

Ion 85.00 (84.70 to 85.70): VV009522.D (-2848) (-)

Ion 131.00 (130.70 to 131.70): VV009522.D (-2848) (-)

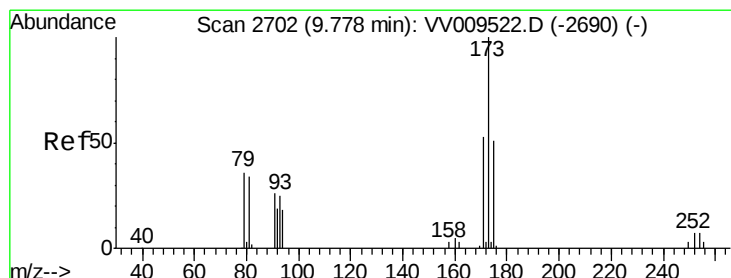
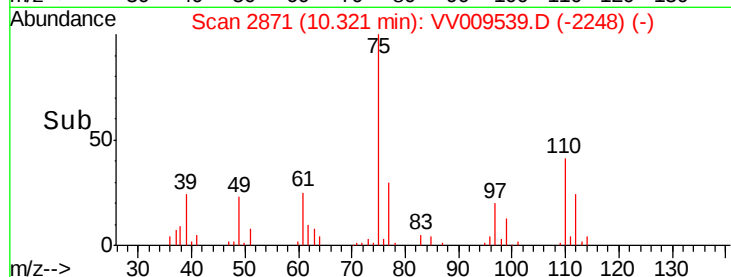
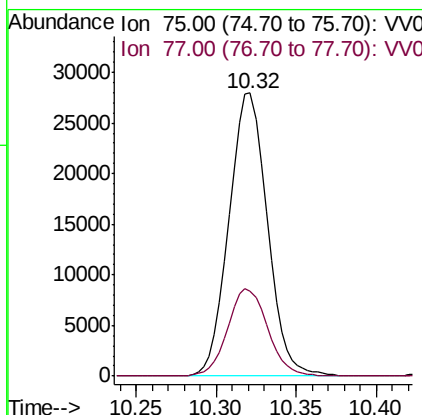
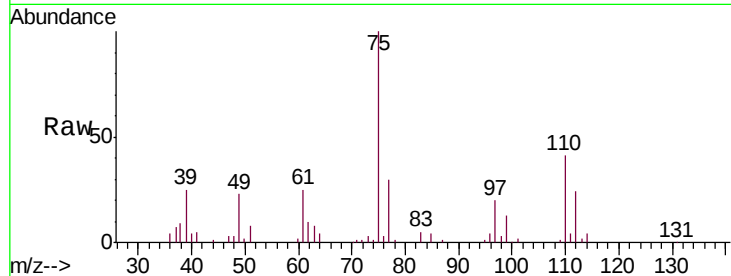




#59
 1,2,3-Trichloropropane
 Concen: 26.217 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VV009539.D
 Acq: 07 Mar 2019 19:38

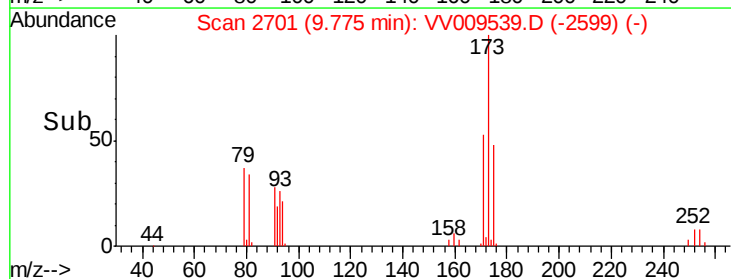
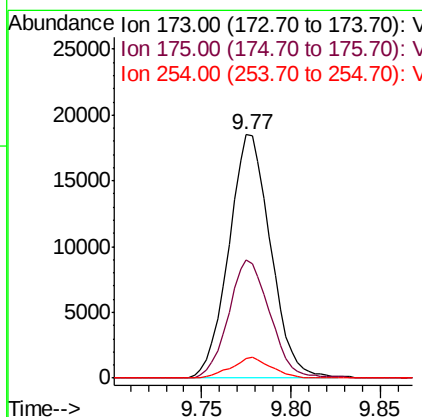
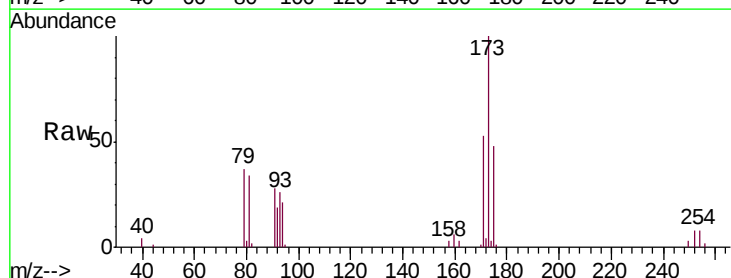
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD02571

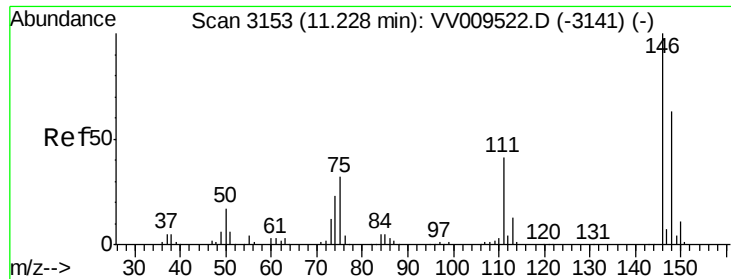
Tgt Ion: 75 Resp: 45737
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.9 38.9



#62
 Bromoform
 Concen: 24.752 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV009539.D
 Acq: 07 Mar 2019 19:38

Tgt Ion: 173 Resp: 30142
 Ion Ratio Lower Upper
 173 100
 175 47.7 38.8 58.2
 254 8.0 5.8 8.8

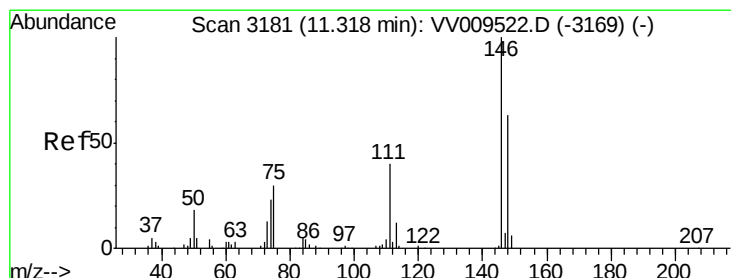
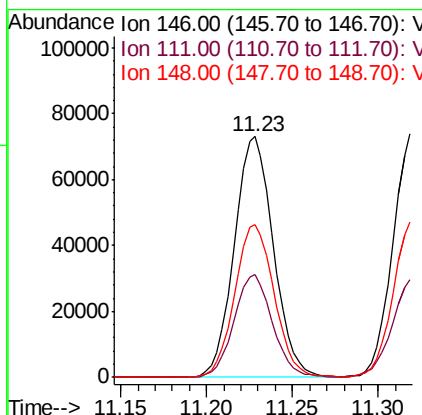
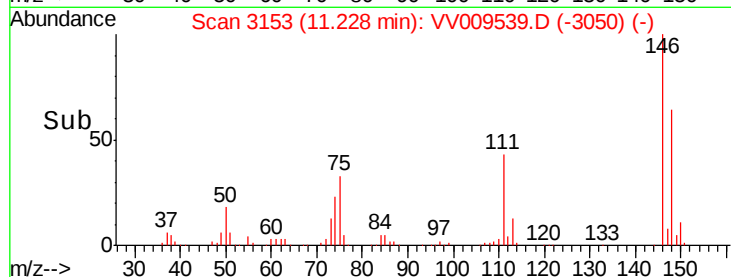
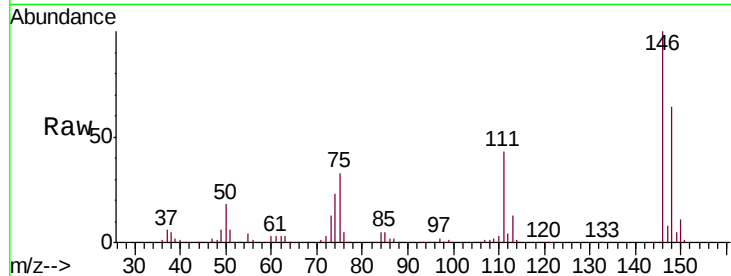




#63
 1,3-Dichlorobenzene
 Concen: 24.684 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV009539.D
 Acq: 07 Mar 2019 19:38

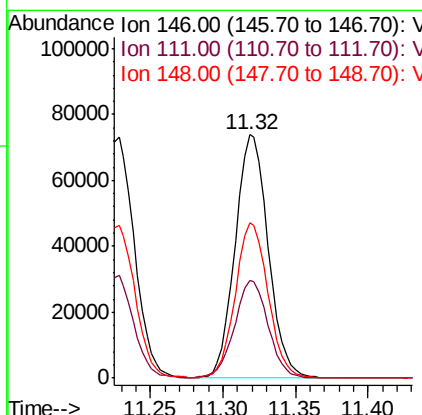
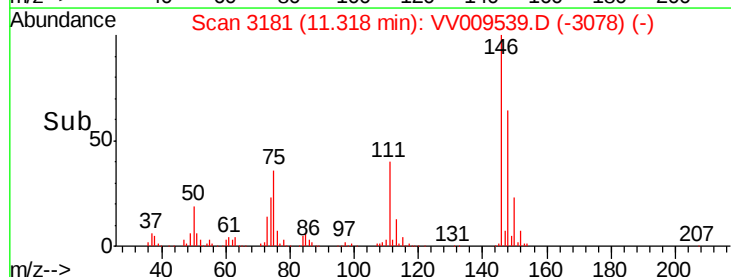
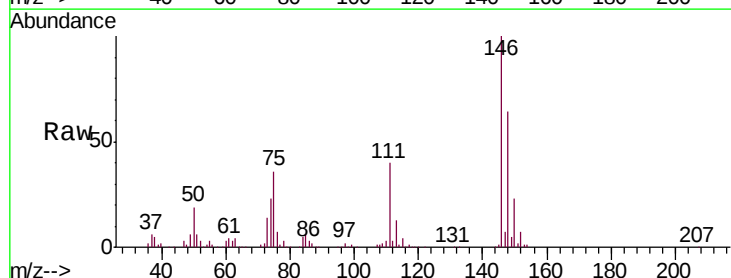
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02571

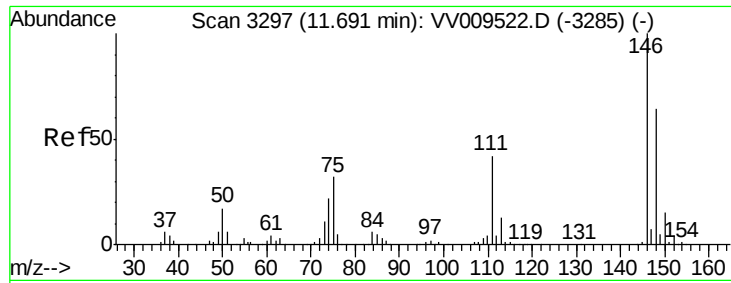
Tgt Ion:146 Resp: 115705
 Ion Ratio Lower Upper
 146 100
 111 42.5 29.6 55.0
 148 63.6 44.8 83.2



#64
 1,4-Dichlorobenzene
 Concen: 24.406 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV009539.D
 Acq: 07 Mar 2019 19:38

Tgt Ion:146 Resp: 116906
 Ion Ratio Lower Upper
 146 100
 111 40.2 29.2 54.2
 148 63.8 43.0 79.8





#65

1,2-Dichlorobenzene

Concen: 25.859 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009539.D

Acq: 07 Mar 2019 19:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD02571

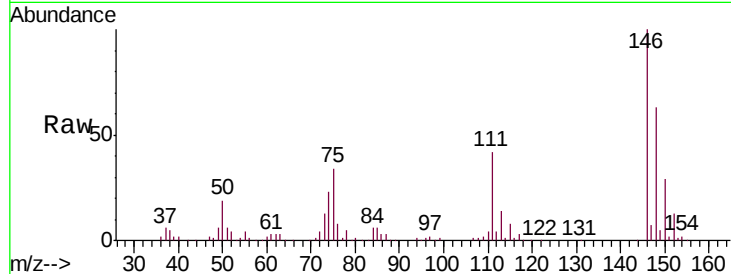
Tgt Ion:146 Resp: 113039

Ion Ratio Lower Upper

146 100

111 42.4 35.4 53.0

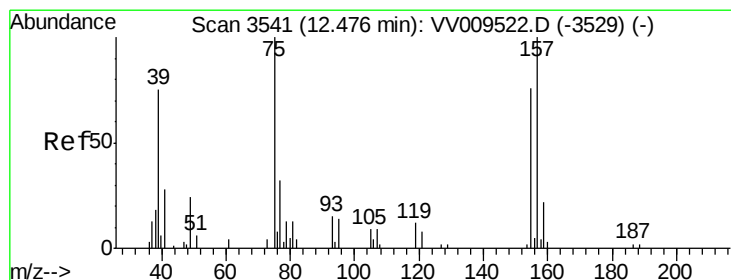
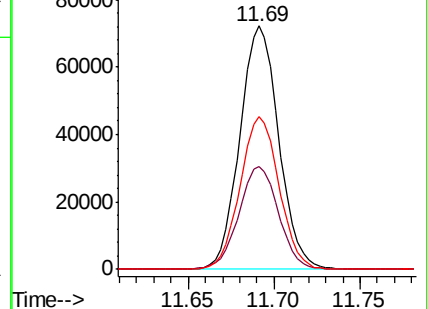
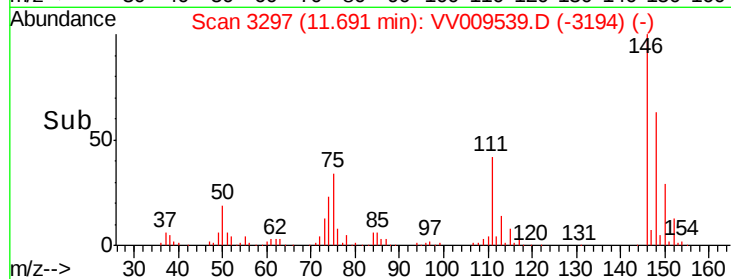
148 62.8 50.6 76.0



Abundance Ion 146.00 (145.70 to 146.70): 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: 24.050 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV009539.D

Acq: 07 Mar 2019 19:38

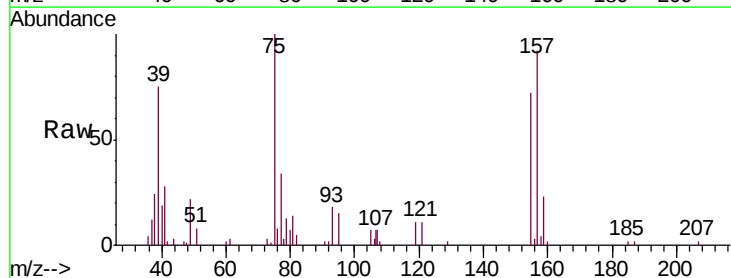
Tgt Ion: 75 Resp: 10530

Ion Ratio Lower Upper

75 100

157 91.5 81.0 121.4

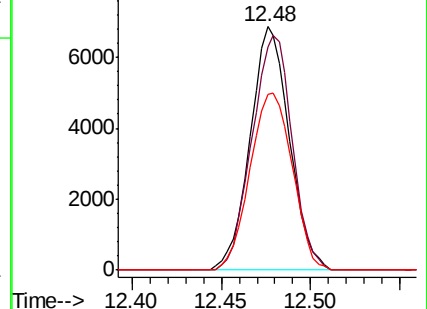
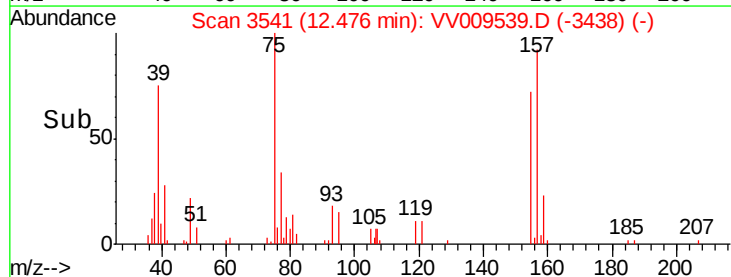
155 72.2 61.2 91.8

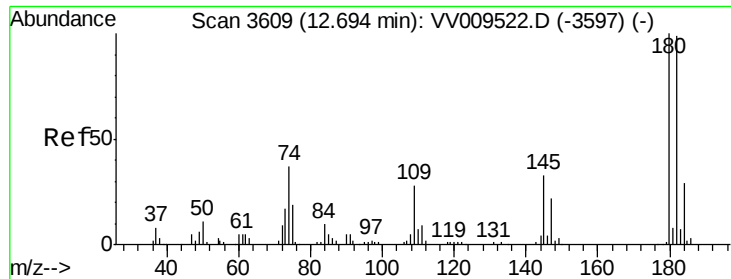


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

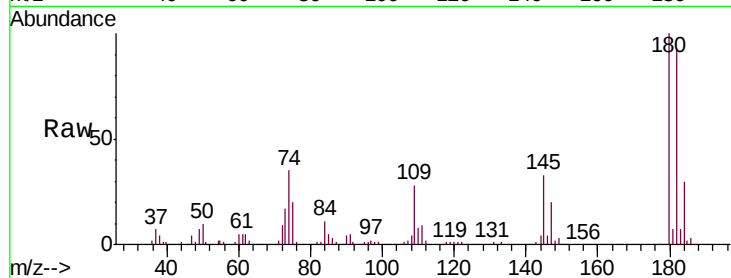




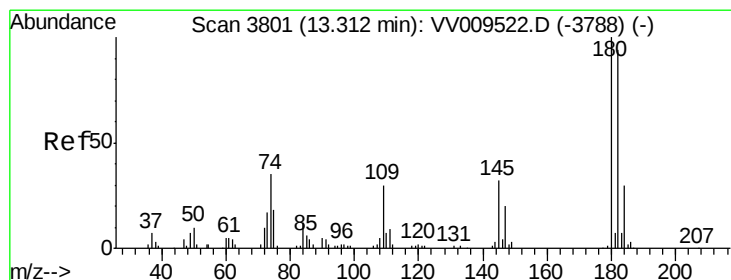
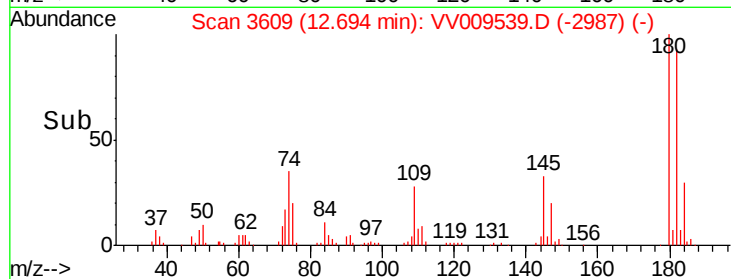
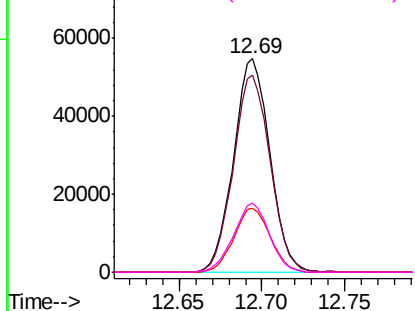
#67
 1,3,5-Trichlorobenzene
 Concen: 24.803 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV009539.D
 Acq: 07 Mar 2019 19:38

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02571

Tgt Ion:180 Resp: 83397
 Ion Ratio Lower Upper
 180 100
 182 93.6 75.4 113.2
 184 30.0 23.9 35.9
 145 31.8 26.0 39.0

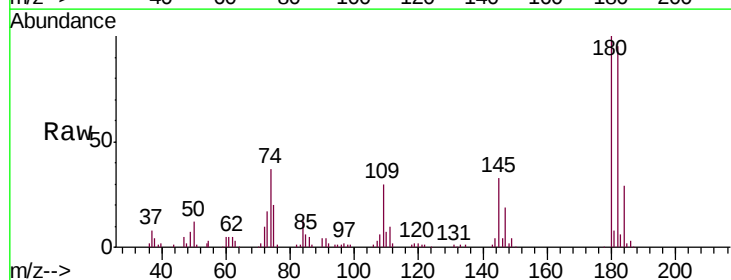


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

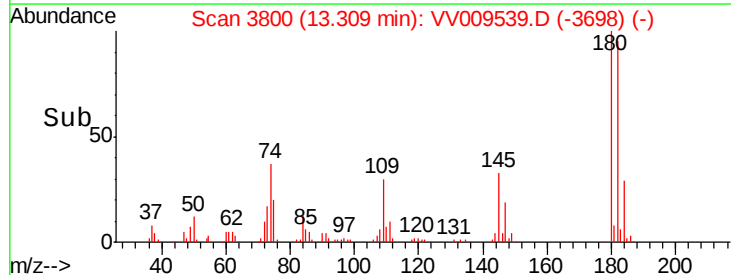
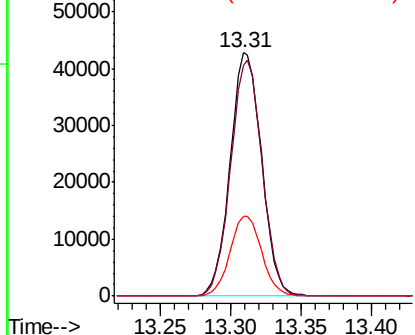


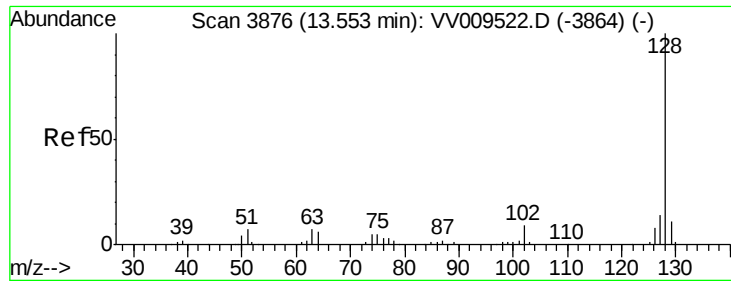
#68
 1,2,4-trichlorobenzene
 Concen: 24.888 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV009539.D
 Acq: 07 Mar 2019 19:38

Tgt Ion:180 Resp: 66997
 Ion Ratio Lower Upper
 180 100
 182 96.8 75.9 113.9
 145 33.1 26.2 39.4



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





#69

Naphthalene

Concen: 24.360 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV009539.D

Acq: 07 Mar 2019 19:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD02571

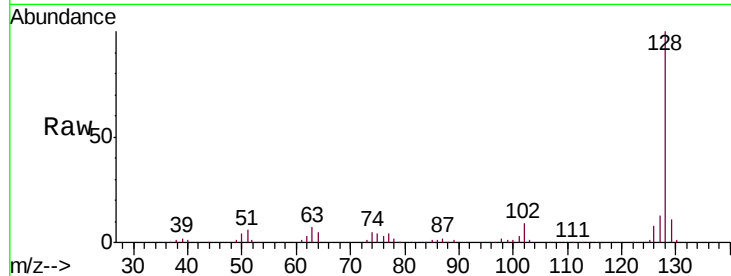
Tgt Ion:128 Resp: 138126

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

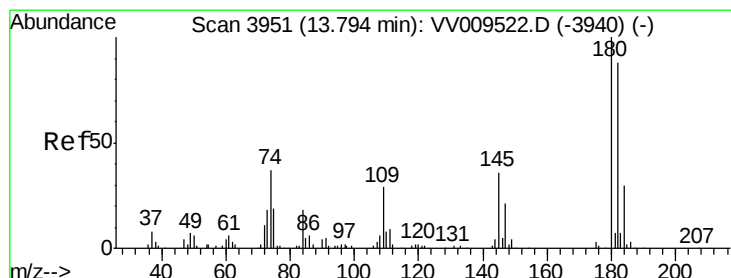
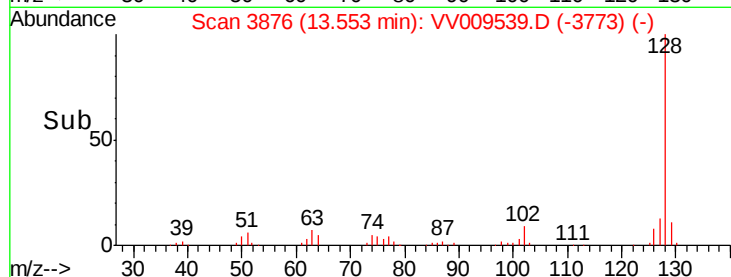
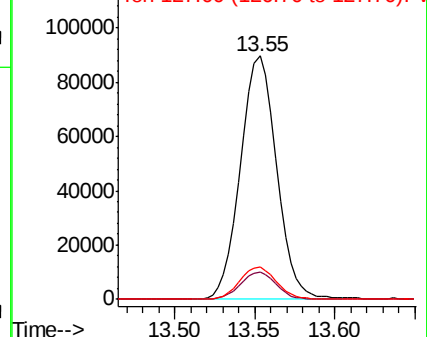
127 13.5 10.6 16.0



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: 25.185 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV009539.D

Acq: 07 Mar 2019 19:38

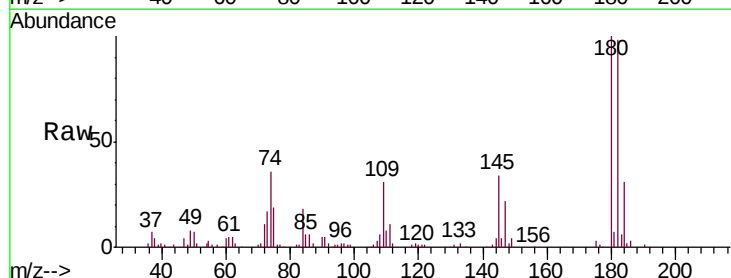
Tgt Ion:180 Resp: 62371

Ion Ratio Lower Upper

180 100

182 96.3 74.2 111.2

145 35.1 27.7 41.5



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

