

Data File : VV014082.D
Acq On : 17 Dec 2019 10:02
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05084

Quant Time: Dec 18 06:02:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Dec 16 03:03:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	716023	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	702000	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	389592	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	261406	63.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	126.24%
7) Chloroethane-d5	1.56	69	230186	53.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	106.50%
11) 1,1-Dichloroethene-d2	2.13	63	466538	50.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.90%
21) 2-Butanone-d5	3.91	46	301572	103.46	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.46%
24) Chloroform-d	4.39	84	486405	55.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.86%
26) 1,2-Dichloroethane-d4	5.07	65	293914	53.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.66%
32) Benzene-d6	5.09	84	955063	52.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.00%
36) 1,2-Dichloropropane-d6	6.11	67	293619	53.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.54%
41) Toluene-d8	7.35	98	889513	53.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.28%
43) trans-1,3-Dichloropropene-	7.66	79	130367	49.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.14%
47) 2-Hexanone-d5	8.12	63	232595	114.08	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.08%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	404449	51.15	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.30%
64) 1,2-Dichlorobenzene-d4	11.67	152	376370	49.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.38%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	305667	47.944 ug/L	100
3) Chloromethane	1.25	50	334929	57.462 ug/L	98
5) Vinyl chloride	1.33	62	313235	51.527 ug/L	98
6) Bromomethane	1.51	94	129311	35.183 ug/L	99
8) Chloroethane	1.58	64	187103	46.257 ug/L	98
9) Trichlorofluoromethane	1.76	101	421285	44.557 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	244326	45.371 ug/L	99
12) 1,1-Dichloroethene	2.14	96	226242	43.494 ug/L	99
13) Acetone	2.18	43	436525	102.197 ug/L	97
14) Carbon disulfide	2.31	76	613585	44.730 ug/L	100
15) Methyl Acetate	2.45	43	265283	50.394 ug/L	100
16) Methylene chloride	2.53	84	273311	50.456 ug/L	96
17) trans-1,2-Dichloroethene	2.78	96	236260	46.435 ug/L	98
18) Methyl tert-butyl Ether	2.80	73	722788	48.952 ug/L	99
19) 1,1-Dichloroethane	3.22	63	463766	50.592 ug/L	99
20) cis-1,2-Dichloroethene	3.95	96	261866	47.526 ug/L	96
22) 2-Butanone	4.00	43	442081	107.828 ug/L	93

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Quant Title : VOC Analysis
QLast Update : Mon Dec 16 03:03:29 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	148744	48.862	ug/L	99
25) Chloroform	4.42	83	477440	48.719	ug/L	98
27) 1,2-Dichloroethane	5.17	62	358300	50.740	ug/L	100
29) Cyclohexane	4.72	56	375793	45.819	ug/L	99
30) 1,1,1-Trichloroethane	4.65	97	401515	47.378	ug/L	99
31) Carbon tetrachloride	4.87	117	368321	48.654	ug/L	98
33) Benzene	5.14	78	1009849	48.305	ug/L	100
34) Trichloroethene	5.95	95	253575	45.224	ug/L	98
35) Methylcyclohexane	6.17	83	398941	47.420	ug/L	98
37) 1,2-Dichloropropane	6.21	63	263665	52.110	ug/L	100
38) Bromodichloromethane	6.55	83	352983	49.192	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	395061	49.597	ug/L	99
40) 4-Methyl-2-pentanone	7.26	43	682073	103.667	ug/L	99
42) Toluene	7.42	91	1084411	50.274	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	355436	49.277	ug/L	97
45) 1,1,2-Trichloroethane	7.87	97	258114	51.393	ug/L	97
46) Tetrachloroethene	8.01	164	239424	47.320	ug/L	97
48) 2-Hexanone	8.17	43	590663	112.225	ug/L	97
49) Dibromochloromethane	8.28	129	299557	48.794	ug/L	99
50) 1,2-Dibromoethane	8.39	107	269132	48.645	ug/L	99
51) Chlorobenzene	8.92	112	700720	47.087	ug/L	99
52) Ethylbenzene	9.05	91	1145973	48.193	ug/L	100
53) m,p-Xylene	9.17	106	451021	49.049	ug/L	100
54) o-xylene	9.58	106	429175	47.735	ug/L	99
55) Styrene	9.60	104	777810	50.143	ug/L	99
56) Isopropylbenzene	9.97	105	1150396	47.603	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	419430	51.299	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	321930	47.017	ug/L	100
61) Bromoform	9.77	173	238739	50.094	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	601377	47.043	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	613973	46.458	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	627914	49.105	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	83235	46.837	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	482459	46.475	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	396351	42.314	ug/L	99
69) Naphthalene	13.55	128	984106	40.013	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	445828	45.512	ug/L	99

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

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Instrument :
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ClientSampleId :
VSTD05084

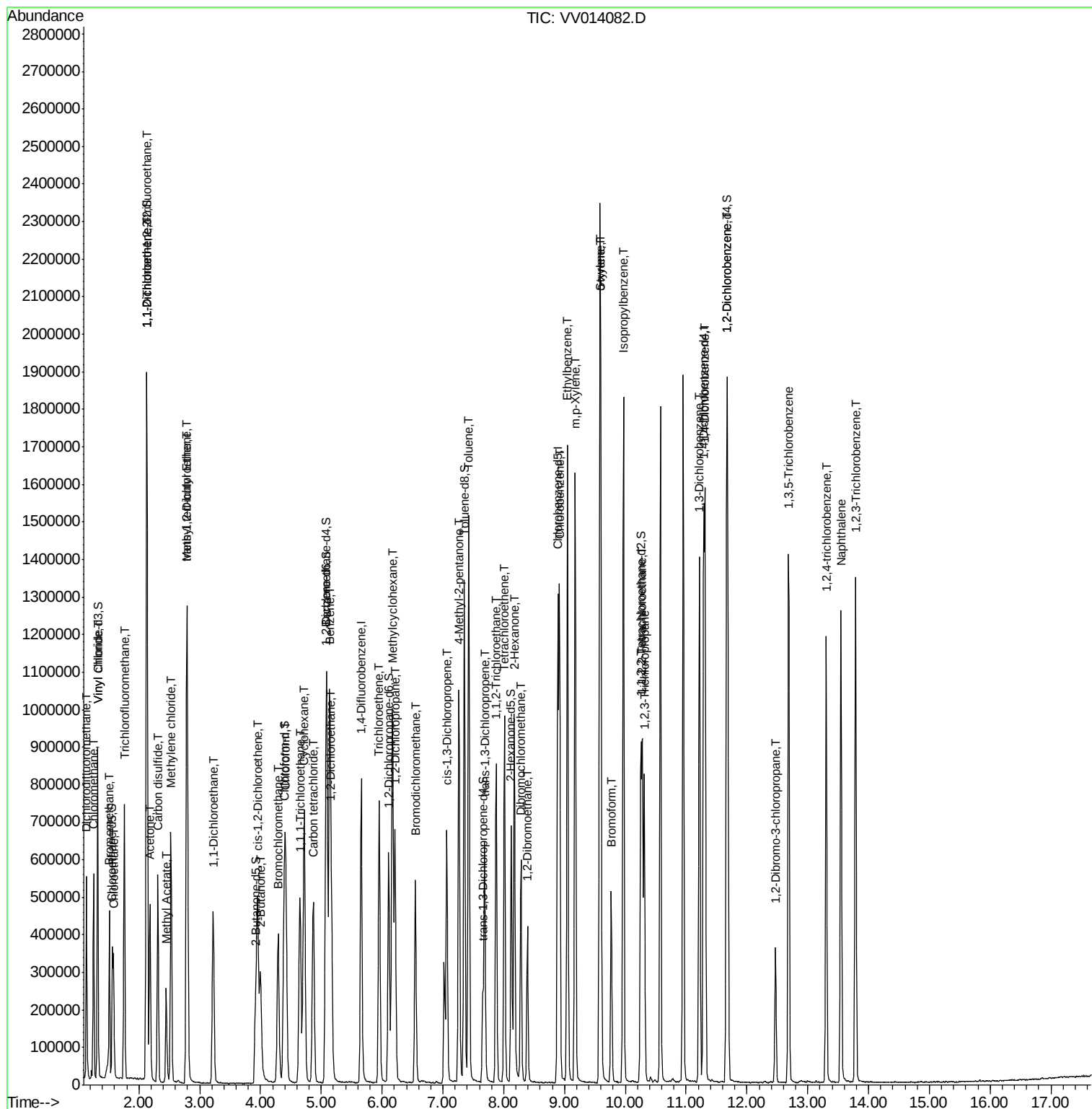
Quant Time: Dec 18 06:02:38 2019

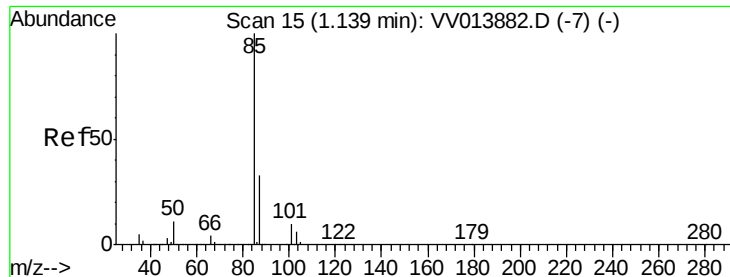
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVLM120219WMA.M

Quant Title : VOC Analysis

QLast Update : Mon Dec 16 03:03:29 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 47.944 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV014082.D

Acq: 17 Dec 2019 10:02

Instrument :

MSVOA_V

ClientSampleId :

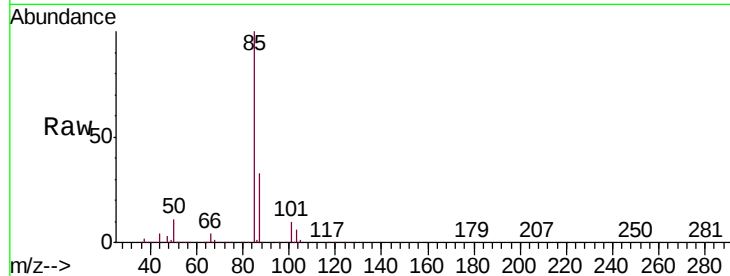
VSTD05084

Tgt Ion: 85 Resp: 305667

Ion Ratio Lower Upper

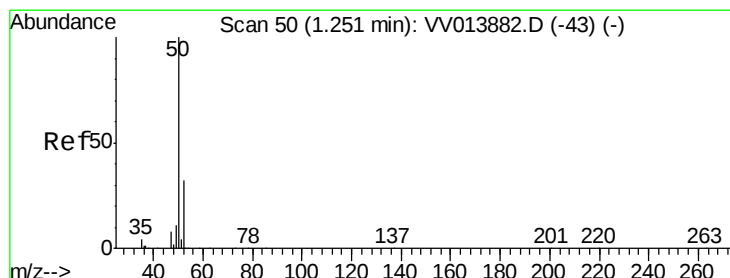
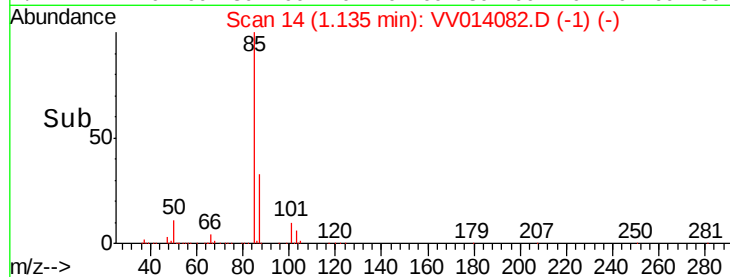
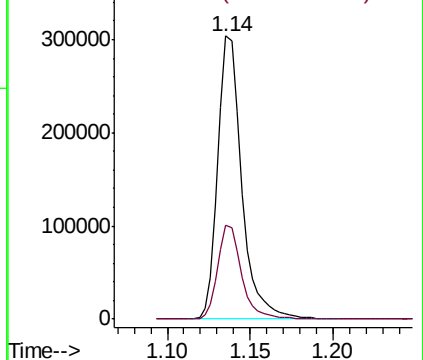
85 100

87 33.0 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 57.462 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV014082.D

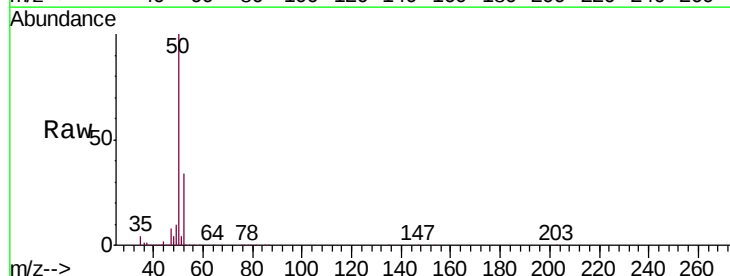
Acq: 17 Dec 2019 10:02

Tgt Ion: 50 Resp: 334929

Ion Ratio Lower Upper

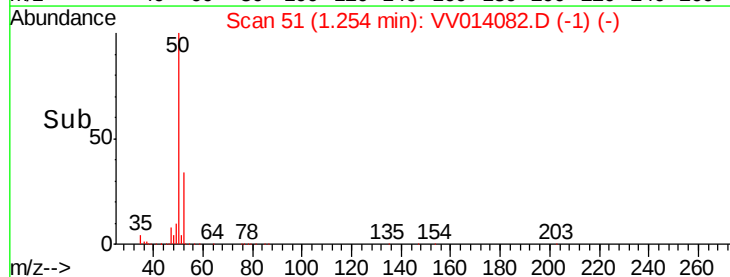
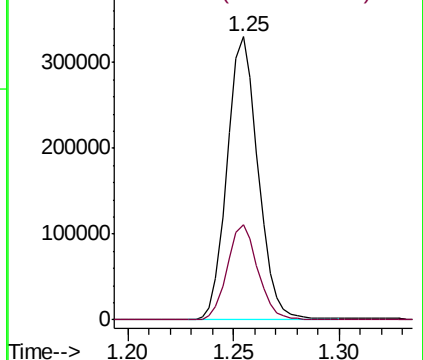
50 100

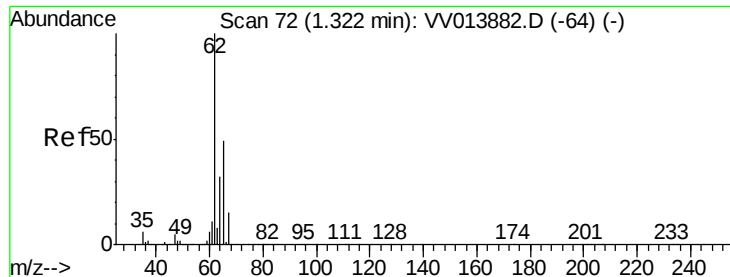
52 33.7 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 51.527 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV014082.D

Acq: 17 Dec 2019 10:02

Instrument :

MSVOA_V

ClientSampleId :

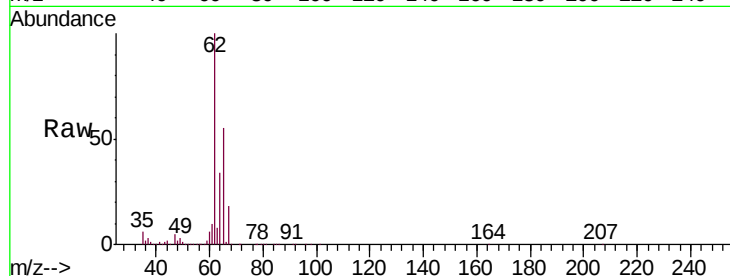
VSTD05084

Tgt Ion: 62 Resp: 313235

Ion Ratio Lower Upper

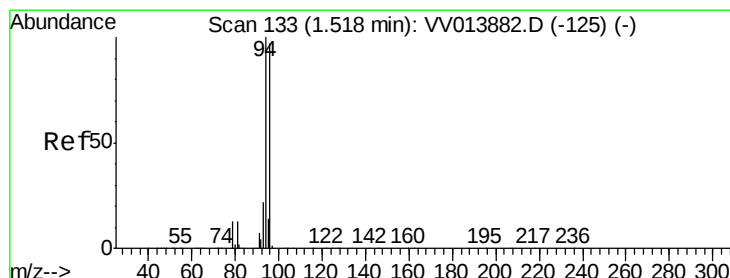
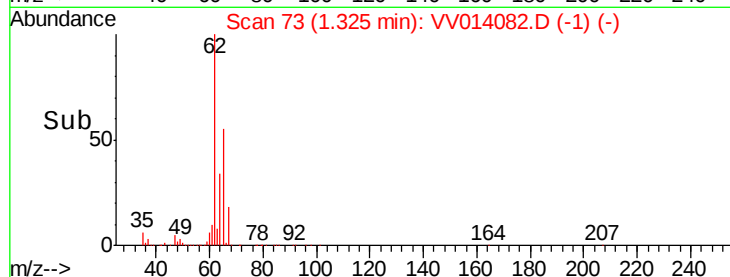
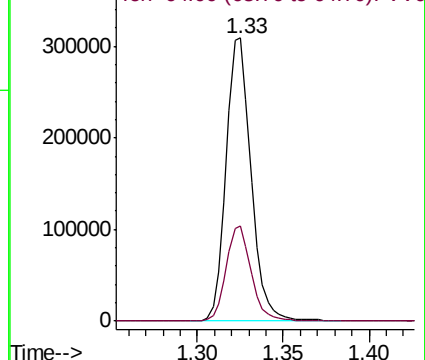
62 100

64 33.5 24.1 44.8



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 35.183 ug/L

RT: 1.51 min Scan# 132

Delta R.T. 0.00 min

Lab File: VV014082.D

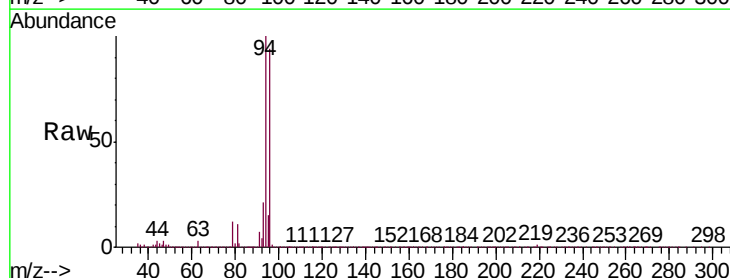
Acq: 17 Dec 2019 10:02

Tgt Ion: 94 Resp: 129311

Ion Ratio Lower Upper

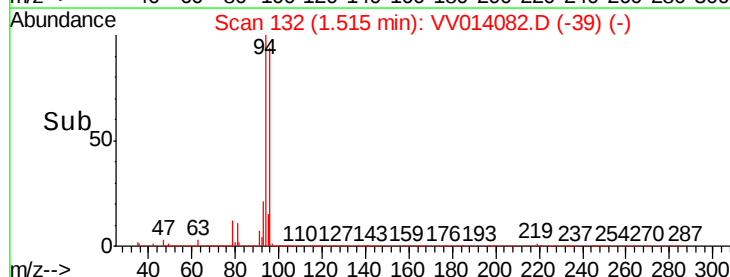
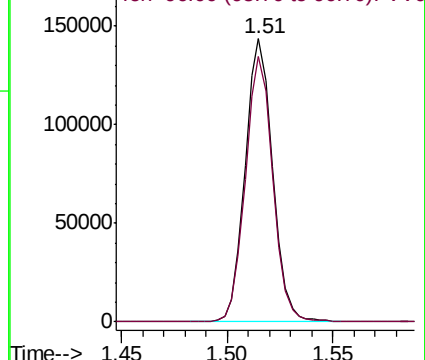
94 100

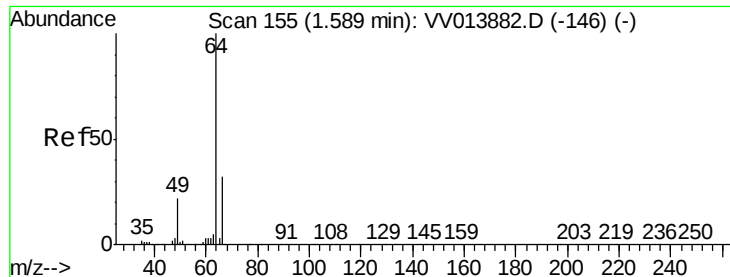
96 93.9 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 46.257 ug/L

RT: 1.58 min Scan# 153

Delta R.T. -0.01 min

Lab File: VV014082.D

Acq: 17 Dec 2019 10:02

Instrument :

MSVOA_V

ClientSampleId :

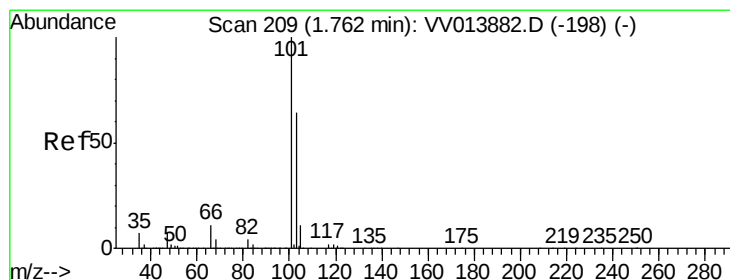
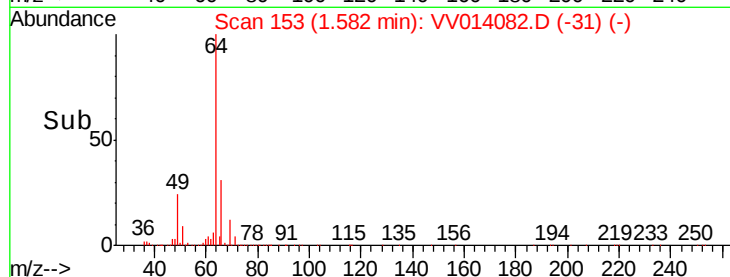
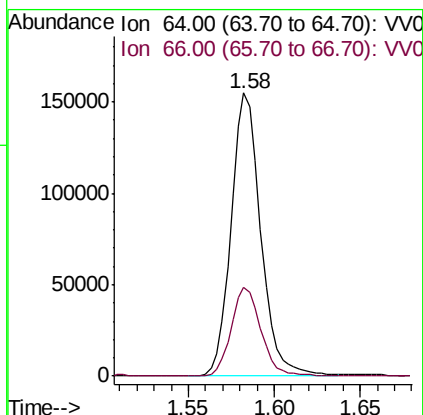
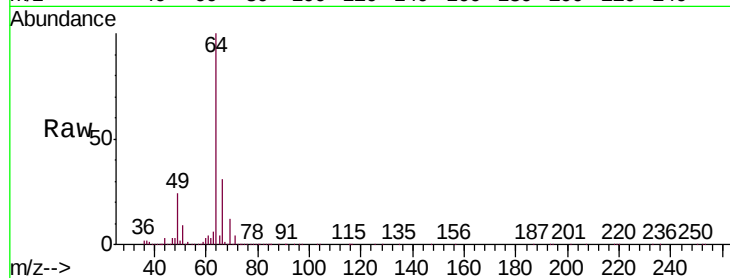
VSTD05084

Tgt Ion: 64 Resp: 187103

Ion Ratio Lower Upper

64 100

66 31.4 22.7 42.1



#9

Trichlorofluoromethane

Concen: 44.557 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV014082.D

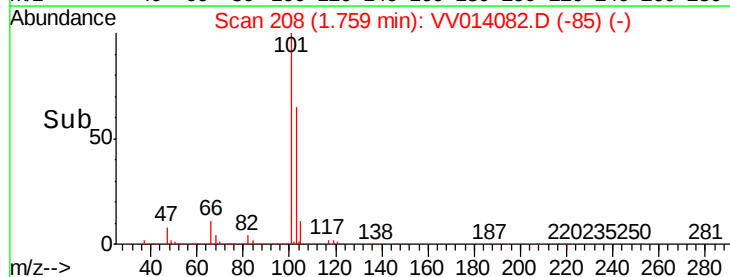
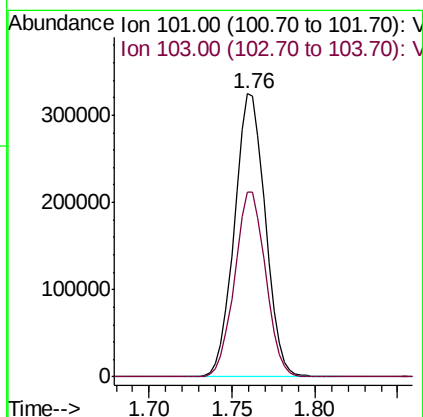
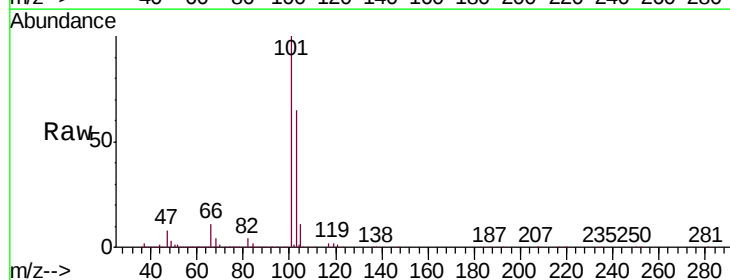
Acq: 17 Dec 2019 10:02

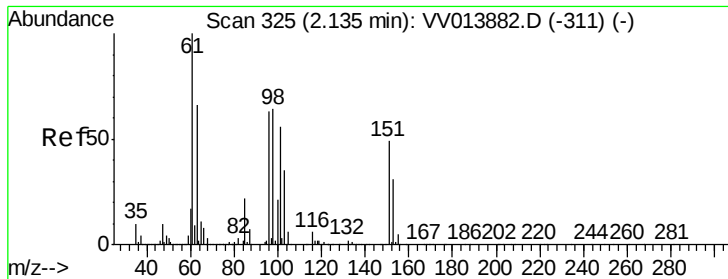
Tgt Ion: 101 Resp: 421285

Ion Ratio Lower Upper

101 100

103 65.4 51.9 77.9





#10

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

Concen: 45.371 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV014082.D

Acq: 17 Dec 2019 10:02

Instrument :

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ClientSampleId :

VSTD05084

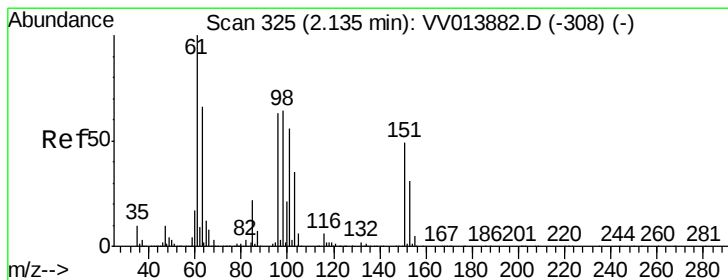
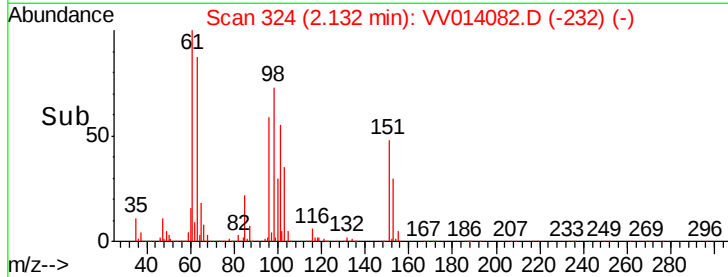
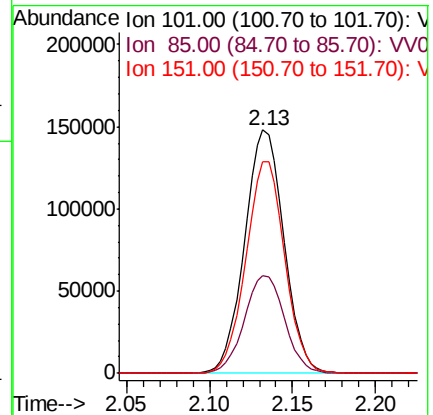
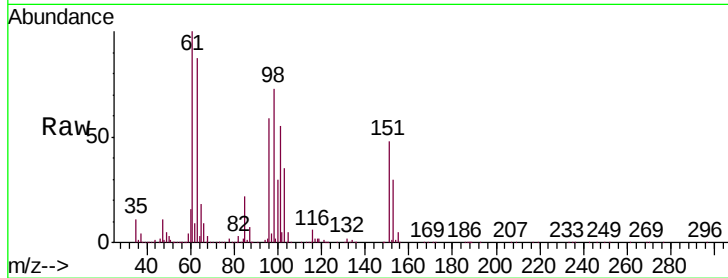
Tgt Ion: 101 Resp: 244326

Ion Ratio Lower Upper

101 100

85 41.2 32.5 48.7

151 86.1 69.8 104.6



#12

1,1-Dichloroethene

Concen: 43.494 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV014082.D

Acq: 17 Dec 2019 10:02

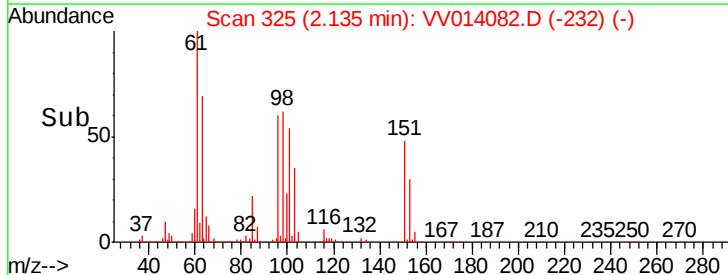
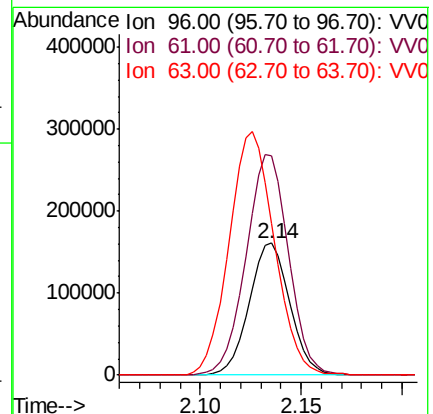
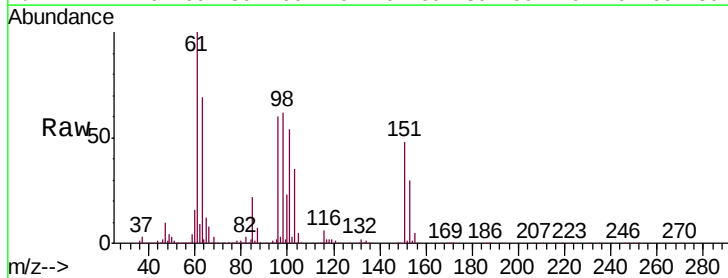
Tgt Ion: 96 Resp: 226242

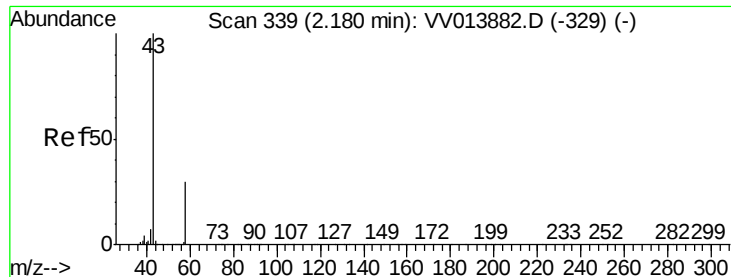
Ion Ratio Lower Upper

96 100

61 165.8 114.0 211.8

63 114.8 80.3 149.1





#13

Acetone

Concen: 102.197 ug/L

RT: 2.18 min Scan# 339

Delta R.T. -0.00 min

Lab File: VV014082.D

Acq: 17 Dec 2019 10:02

Instrument :

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ClientSampleId :

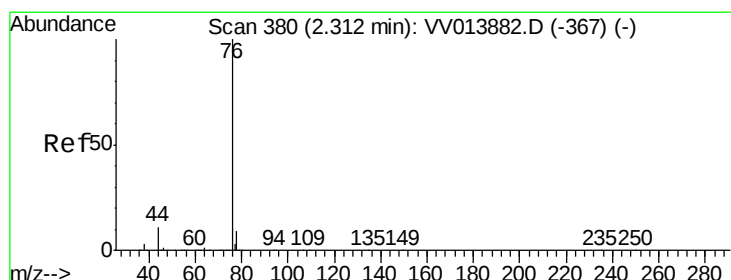
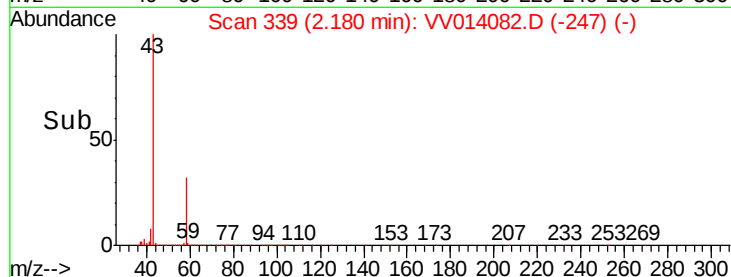
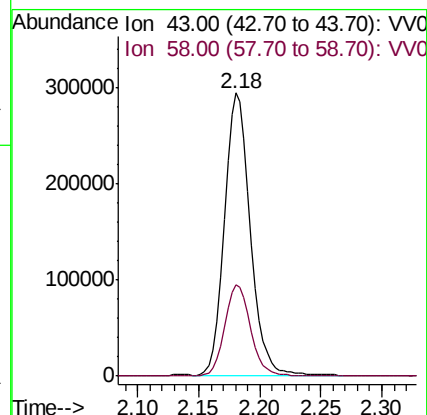
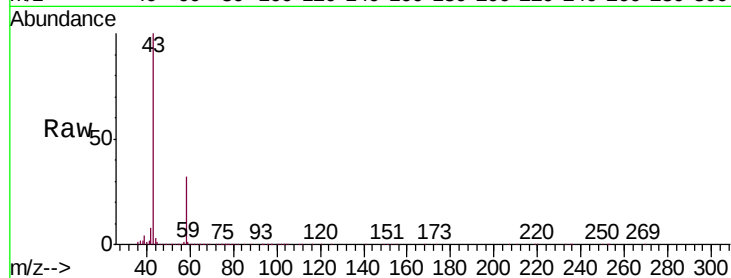
VSTD05084

Tgt Ion: 43 Resp: 436525

Ion Ratio Lower Upper

43 100

58 32.1 0.0 60.8



#14

Carbon disulfide

Concen: 44.730 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV014082.D

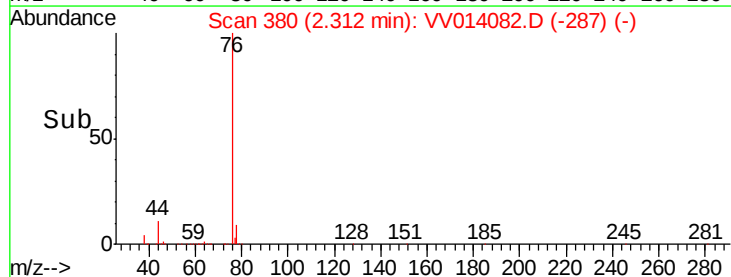
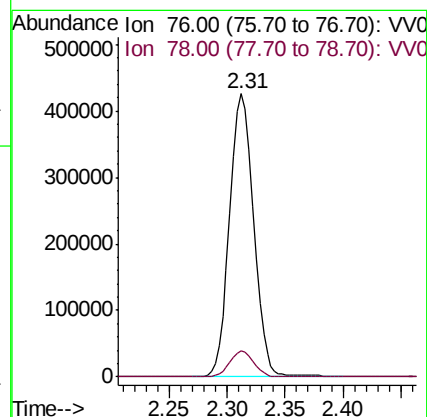
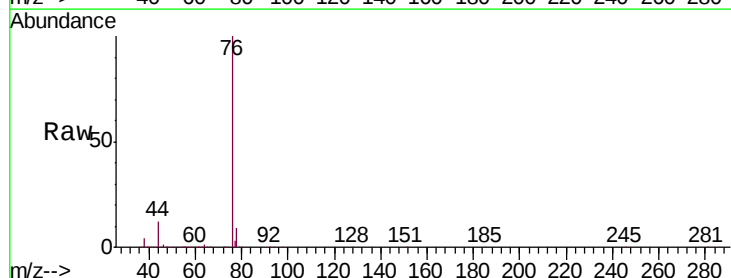
Acq: 17 Dec 2019 10:02

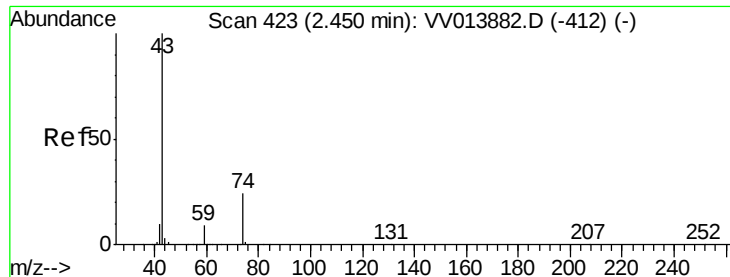
Tgt Ion: 76 Resp: 613585

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

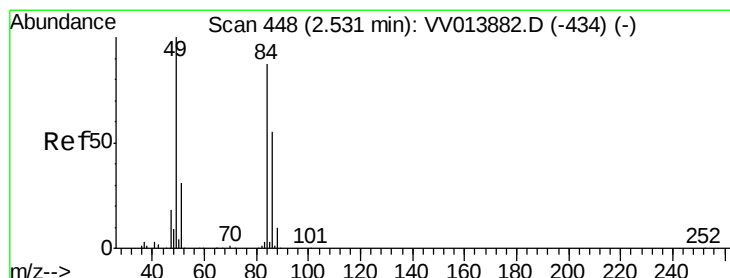
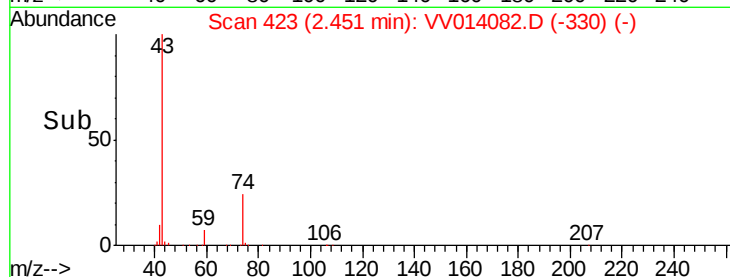
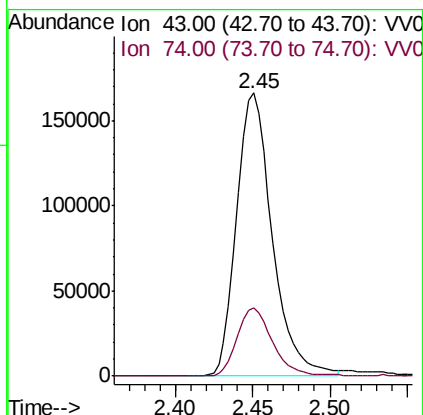
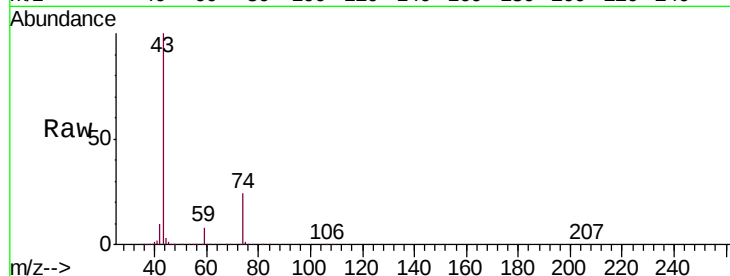




#15
Methyl Acetate
Concen: 50.394 ug/L
RT: 2.45 min Scan# 423
Delta R.T. 0.00 min
Lab File: VV014082.D
Acq: 17 Dec 2019 10:02

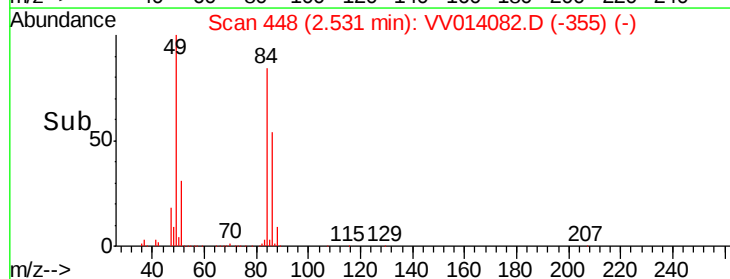
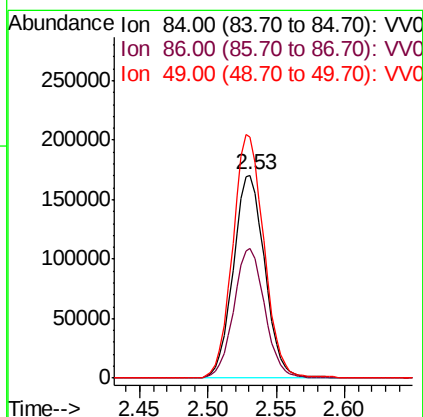
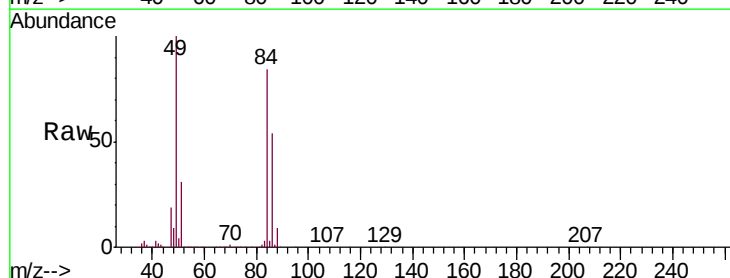
Instrument :
MSVOA_V
ClientSampleId :
VSTD05084

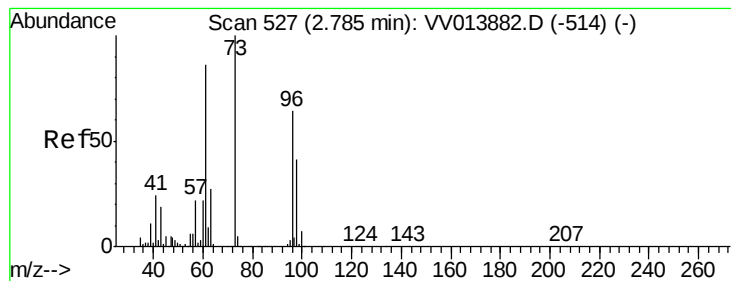
Tgt Ion: 43 Resp: 265283
Ion Ratio Lower Upper
43 100
74 24.3 19.3 28.9



#16
Methylene chloride
Concen: 50.456 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV014082.D
Acq: 17 Dec 2019 10:02

Tgt Ion: 84 Resp: 273311
Ion Ratio Lower Upper
84 100
86 64.0 43.9 81.5
49 118.7 79.7 147.9





#17

trans-1,2-Dichloroethene

Concen: 46.435 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV014082.D

Acq: 17 Dec 2019 10:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD05084

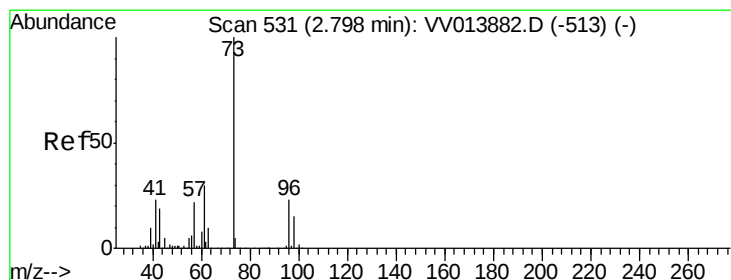
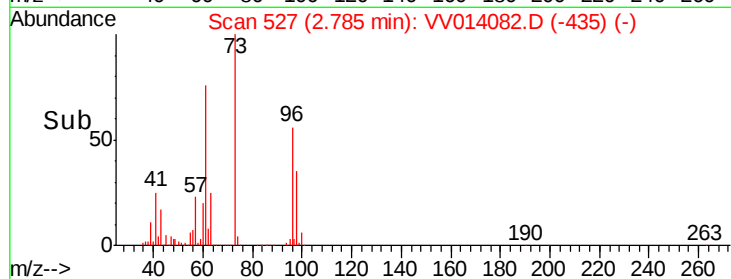
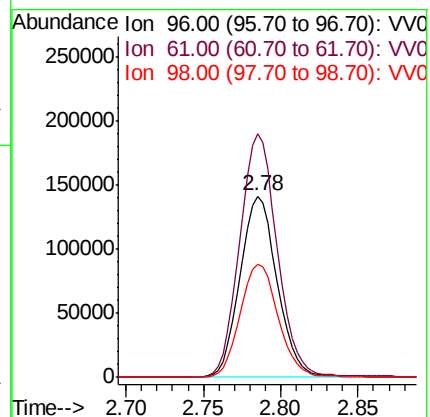
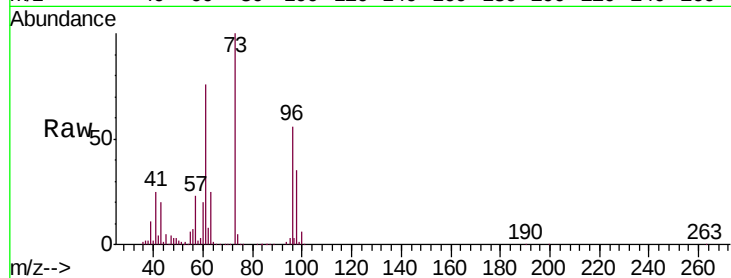
Tgt Ion: 96 Resp: 236260

Ion Ratio Lower Upper

96 100

61 134.2 92.2 171.2

98 62.4 42.6 79.2



#18

Methyl tert-butyl Ether

Concen: 48.952 ug/L

RT: 2.80 min Scan# 531

Delta R.T. 0.00 min

Lab File: VV014082.D

Acq: 17 Dec 2019 10:02

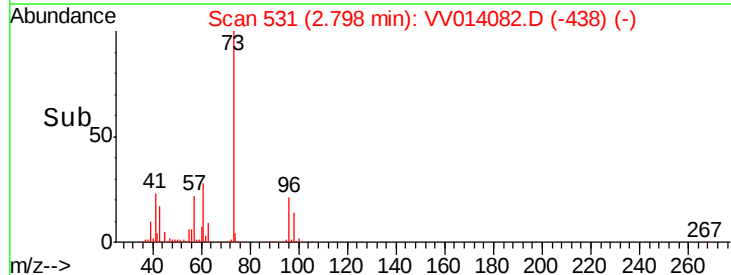
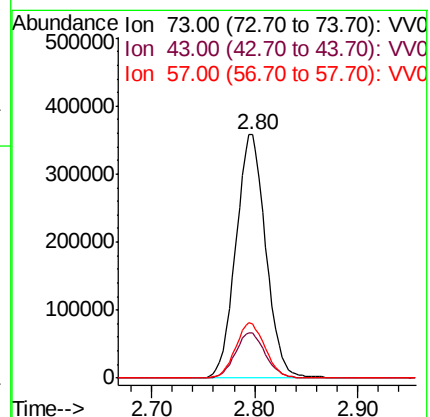
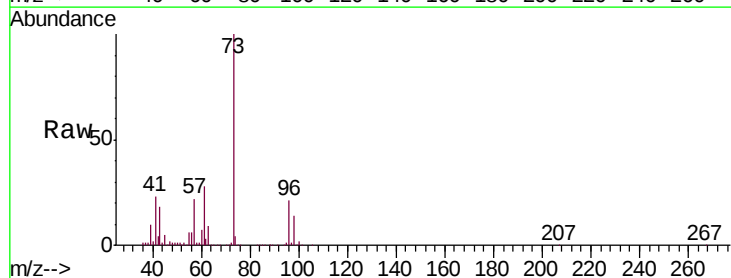
Tgt Ion: 73 Resp: 722788

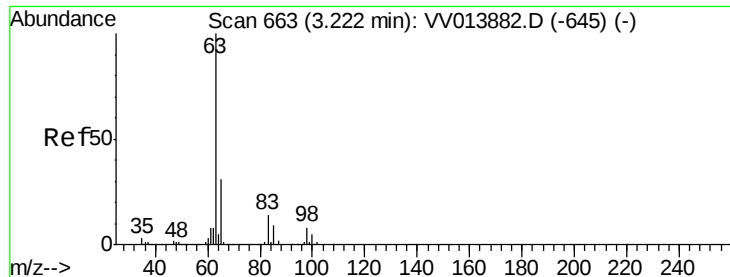
Ion Ratio Lower Upper

73 100

43 18.8 15.0 22.6

57 22.6 17.4 26.2

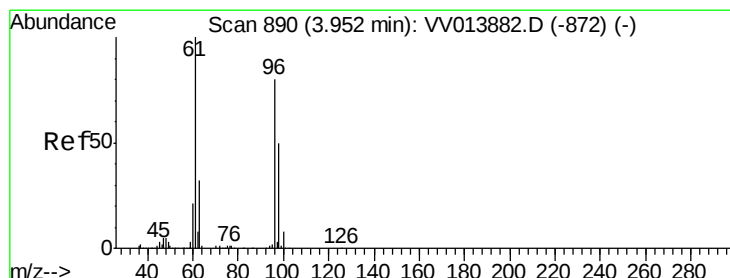
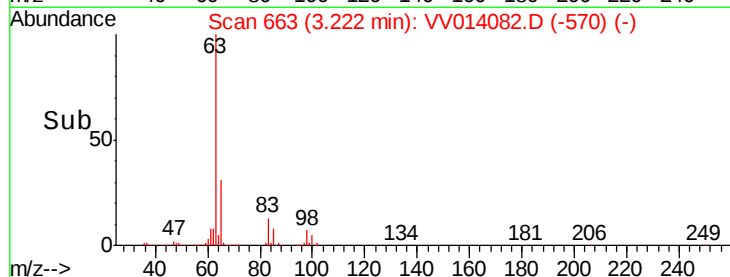
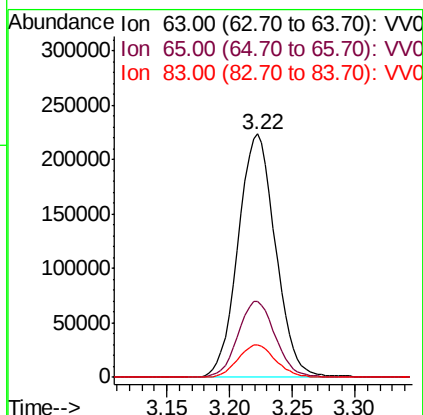
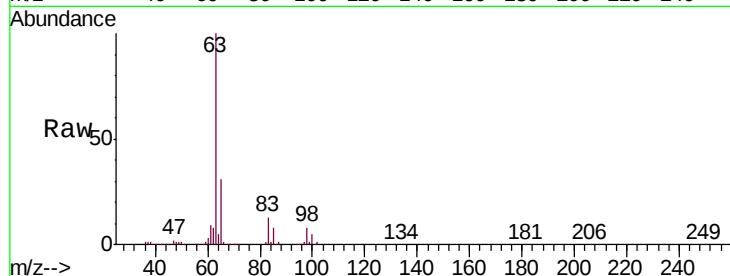




#19
 1,1-Dichloroethane
 Concen: 50.592 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. 0.00 min
 Lab File: VV014082.D
 Acq: 17 Dec 2019 10:02

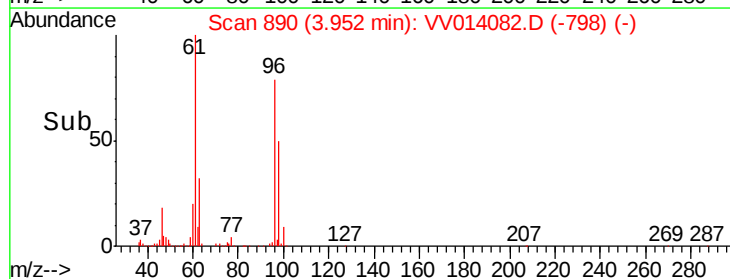
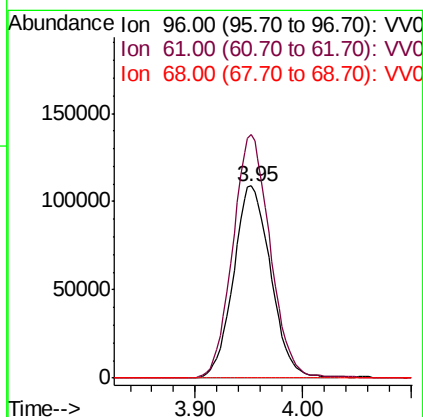
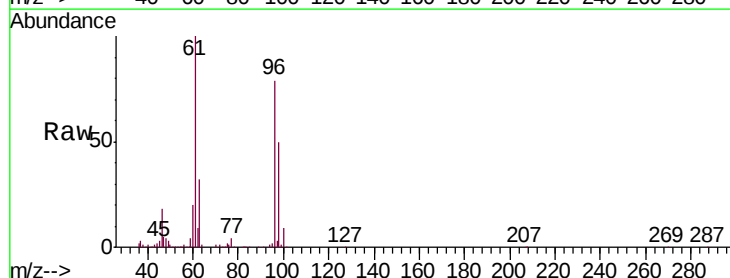
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05084

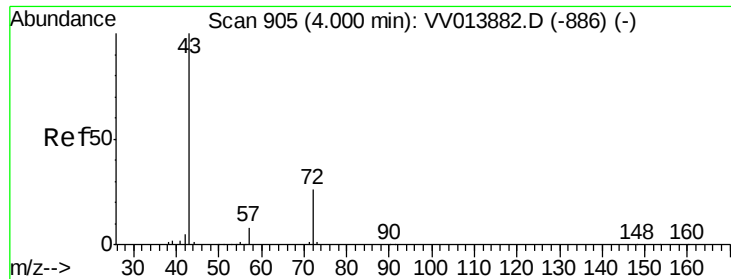
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.2	21.5	39.9
83	13.4	9.7	18.1



#20
 cis-1,2-Dichloroethene
 Concen: 47.526 ug/L
 RT: 3.95 min Scan# 890
 Delta R.T. -0.00 min
 Lab File: VV014082.D
 Acq: 17 Dec 2019 10:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	126.9	85.3	158.5
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 107.828 ug/L

RT: 4.00 min Scan# 905

Delta R.T. 0.00 min

Lab File: VV014082.D

Acq: 17 Dec 2019 10:02

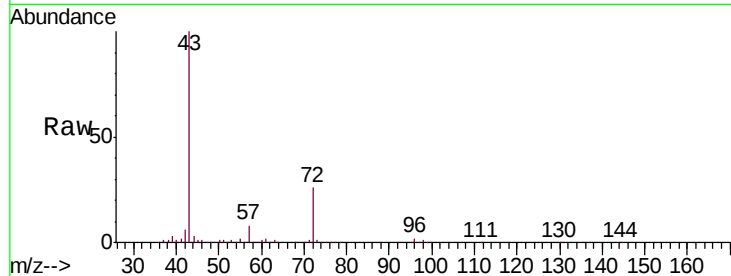
Instrument :
MSVOA_V
ClientSampleId :
VSTD05084

Tgt Ion: 43 Resp: 442081

Ion Ratio Lower Upper

43 100

72 24.7 14.1 42.2



Abundance Ion 43.00 (42.70 to 43.70): VV014082.D (-812) (-)

Ion 72.00 (71.70 to 72.70): VV014082.D (-812) (-)

200000

150000

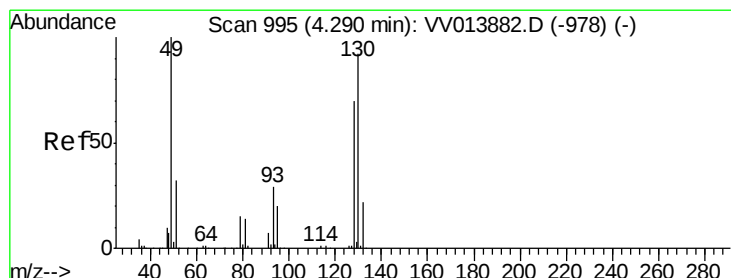
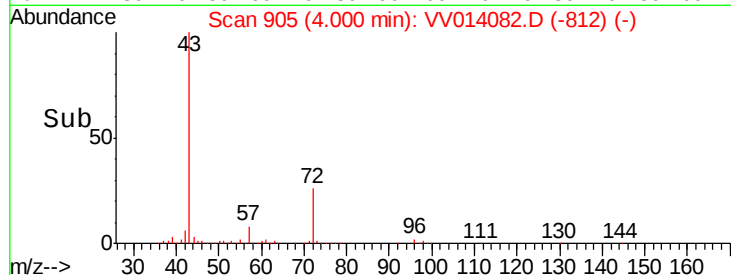
100000

50000

0

3.90 4.00 4.10

Time-->



#23

Bromochloromethane

Concen: 48.862 ug/L

RT: 4.29 min Scan# 995

Delta R.T. 0.00 min

Lab File: VV014082.D

Acq: 17 Dec 2019 10:02

Tgt Ion: 128 Resp: 148744

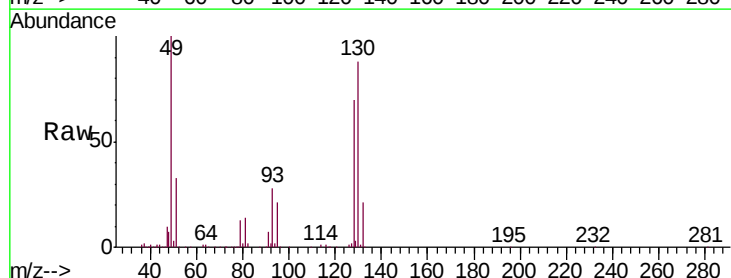
Ion Ratio Lower Upper

128 100

49 142.9 100.4 186.4

130 126.3 88.3 163.9

51 46.9 35.8 53.8



Abundance Ion 128.00 (127.70 to 128.70): VV014082.D (-902) (-)

Ion 49.00 (48.70 to 49.70): VV014082.D (-902) (-)

Ion 130.00 (129.70 to 130.70): VV014082.D (-902) (-)

Ion 51.00 (50.70 to 51.70): VV014082.D (-902) (-)

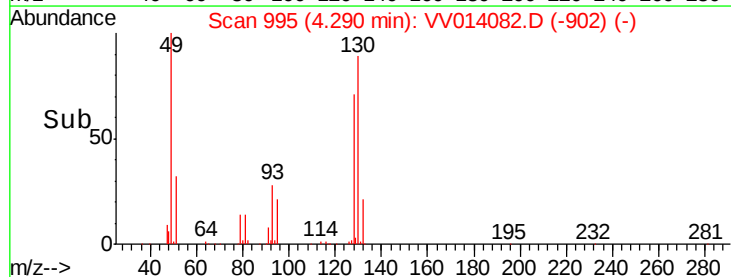
100000

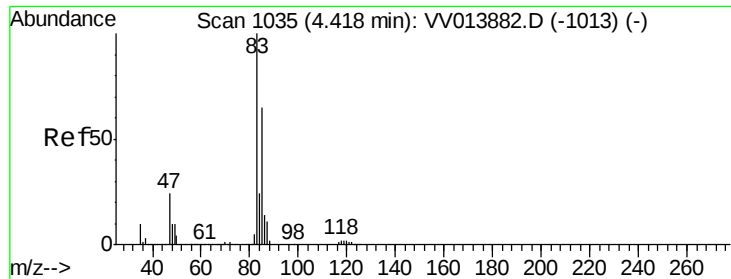
50000

0

4.20 4.25 4.30 4.35

Time-->

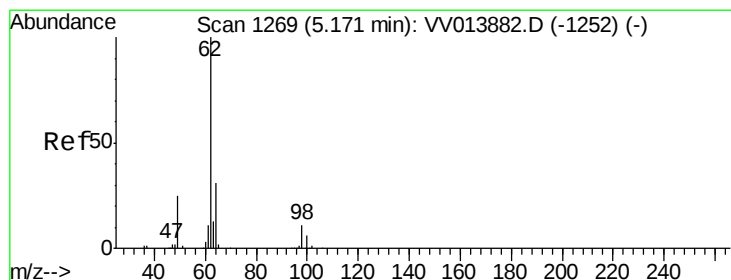
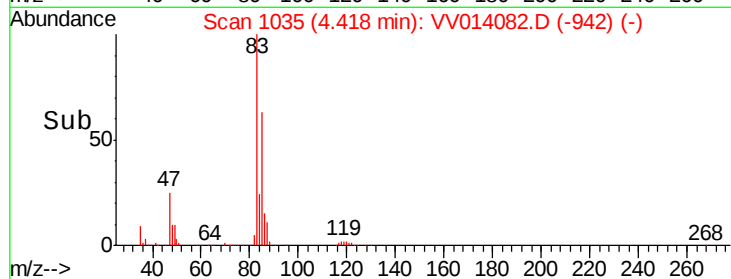
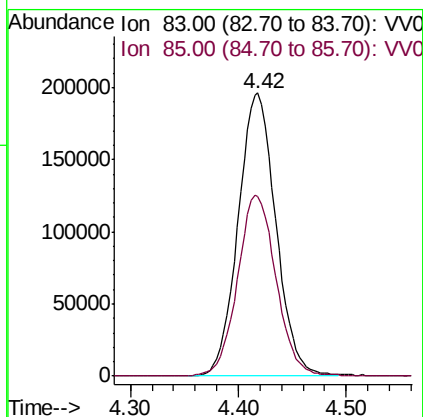
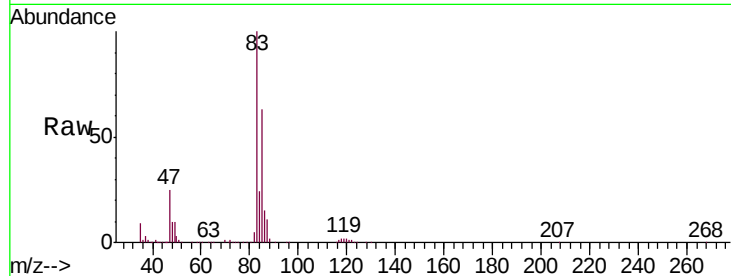




#25
Chloroform
Concen: 48.719 ug/L
RT: 4.42 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VV014082.D
Acq: 17 Dec 2019 10:02

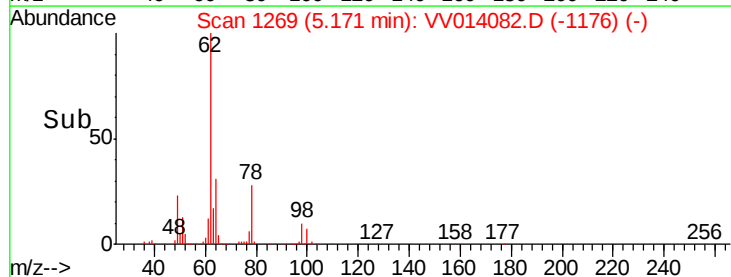
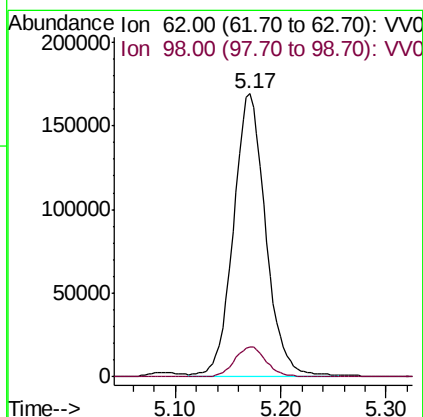
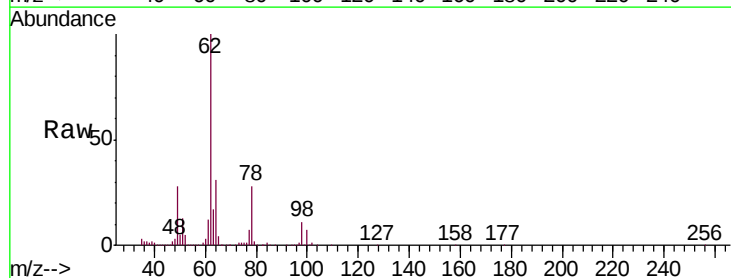
Instrument :
MSVOA_V
ClientSampleId :
VSTD05084

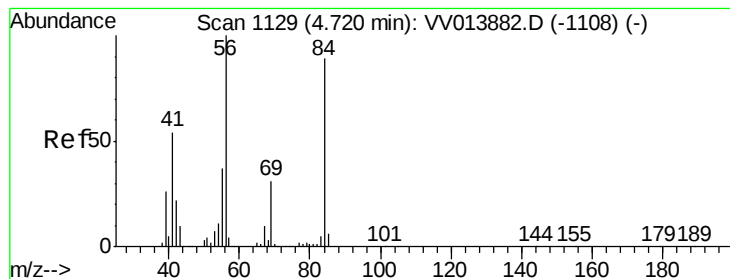
Tgt Ion: 83 Resp: 477440
Ion Ratio Lower Upper
83 100
85 63.5 45.7 84.9



#27
1,2-Dichloroethane
Concen: 50.740 ug/L
RT: 5.17 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VV014082.D
Acq: 17 Dec 2019 10:02

Tgt Ion: 62 Resp: 358300
Ion Ratio Lower Upper
62 100
98 10.6 8.5 12.7





#29

Cyclohexane

Concen: 45.819 ug/L

RT: 4.72 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VV014082.D

Acq: 17 Dec 2019 10:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD05084

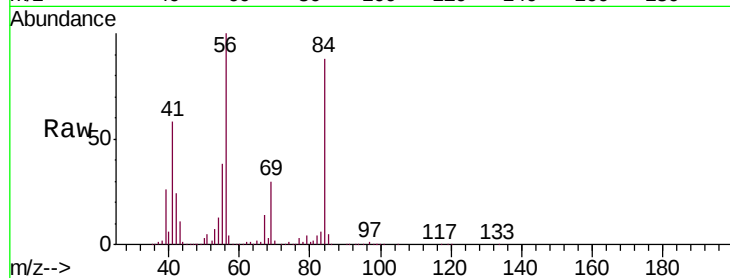
Tgt Ion: 56 Resp: 375793

Ion Ratio Lower Upper

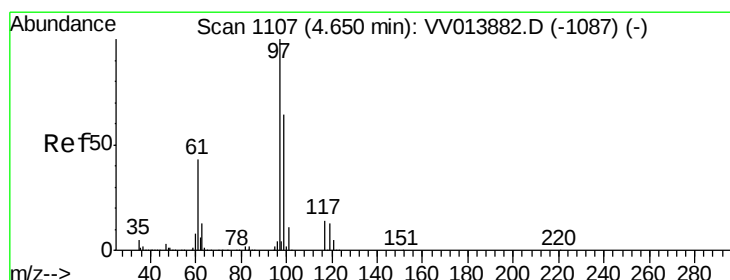
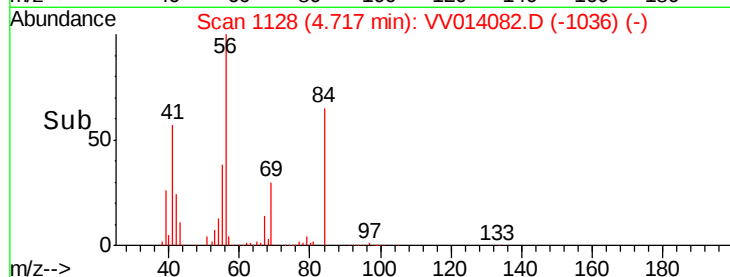
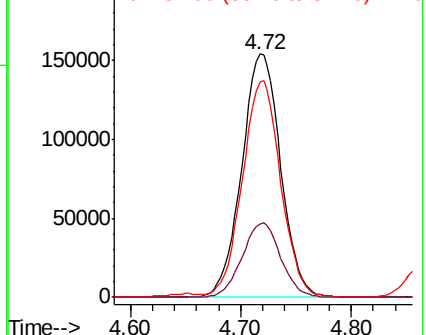
56 100

69 30.6 24.9 37.3

84 87.3 71.0 106.4



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



#30

1,1,1-Trichloroethane

Concen: 47.378 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VV014082.D

Acq: 17 Dec 2019 10:02

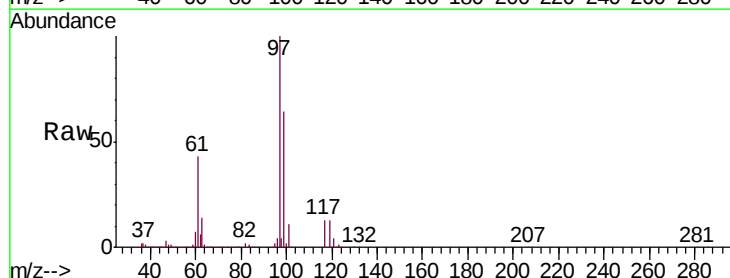
Tgt Ion: 97 Resp: 401515

Ion Ratio Lower Upper

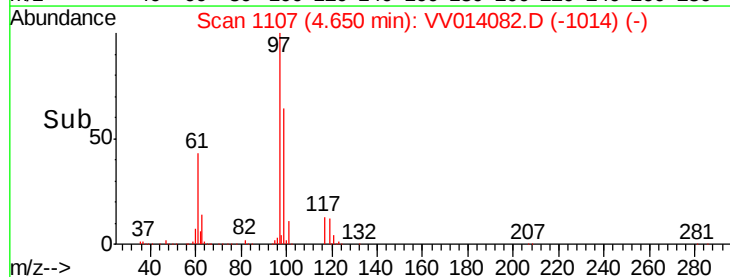
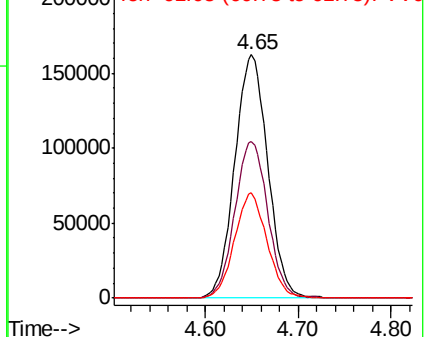
97 100

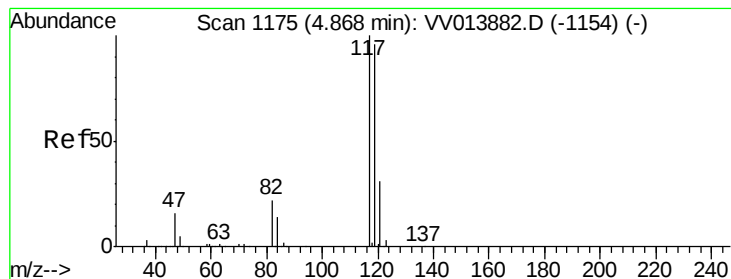
99 64.0 51.4 77.2

61 42.7 33.2 49.8



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 48.654 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VV014082.D

Acq: 17 Dec 2019 10:02

Instrument :

MSVOA_V

ClientSampleId :

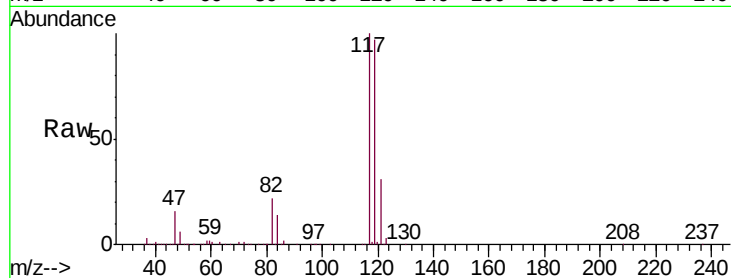
VSTD05084

Tgt Ion:117 Resp: 368321

Ion Ratio Lower Upper

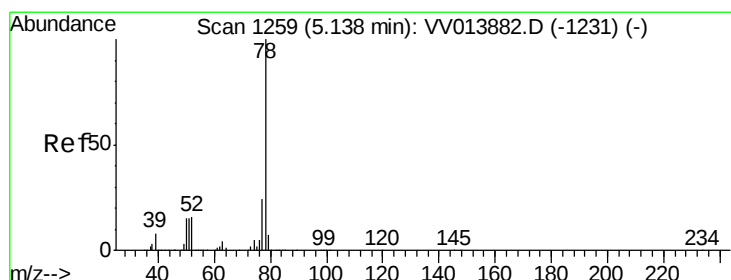
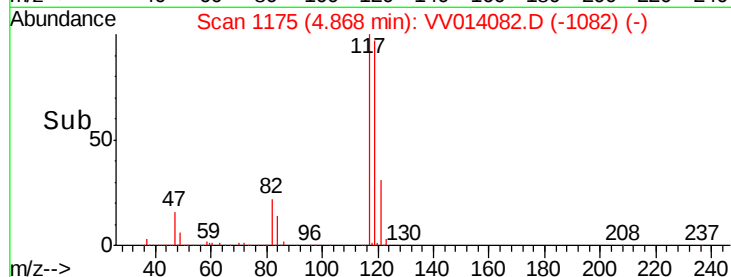
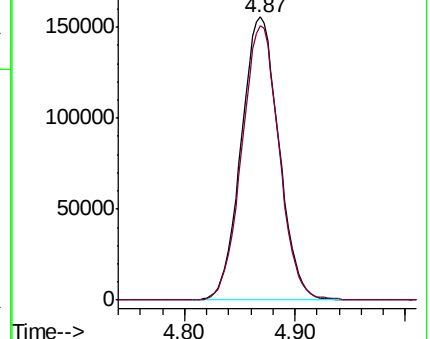
117 100

119 95.9 77.9 116.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 48.305 ug/L

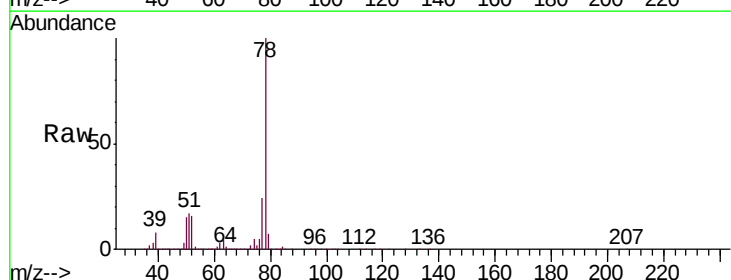
RT: 5.14 min Scan# 1259

Delta R.T. 0.00 min

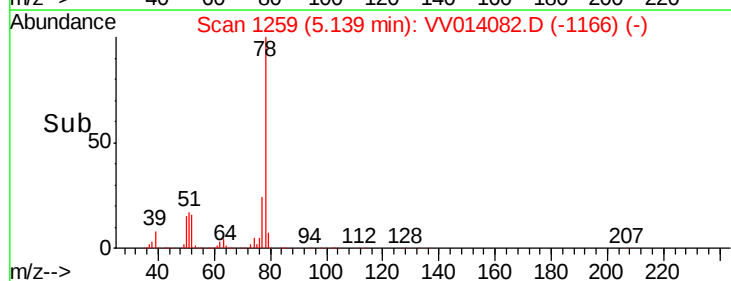
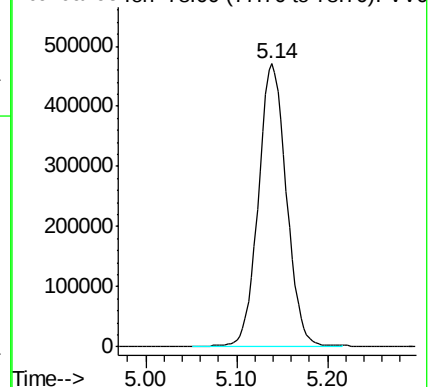
Lab File: VV014082.D

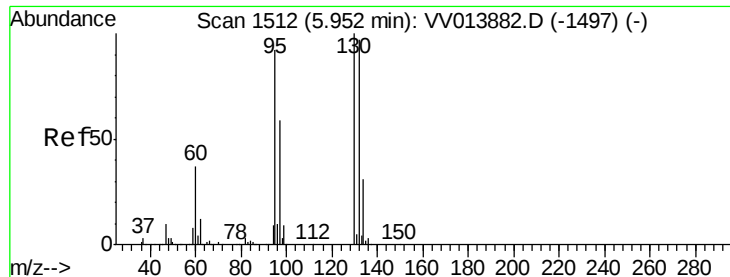
Acq: 17 Dec 2019 10:02

Tgt Ion: 78 Resp: 1009849



Abundance Ion 78.00 (77.70 to 78.70): VV0

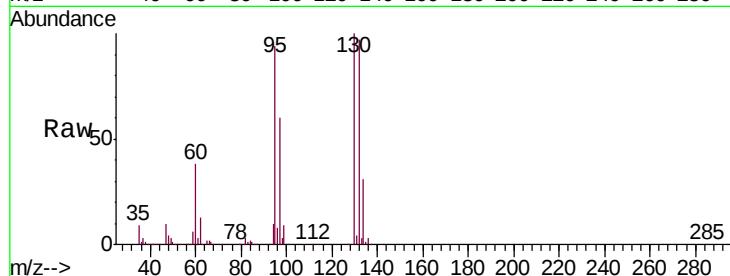




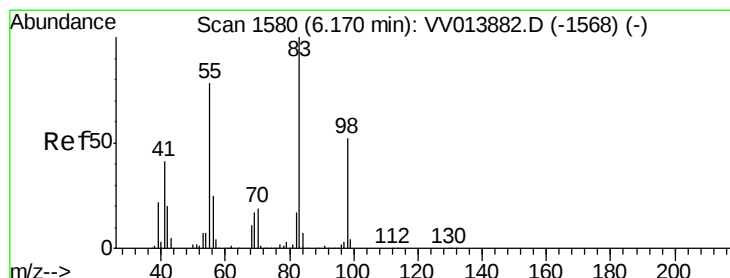
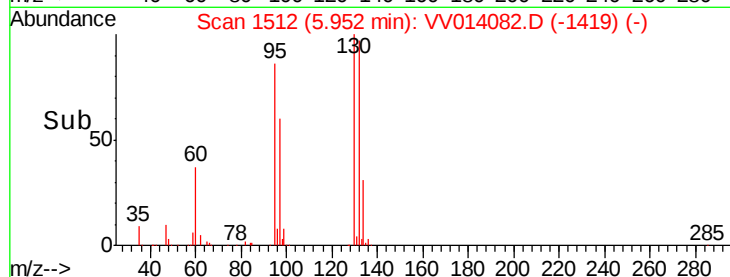
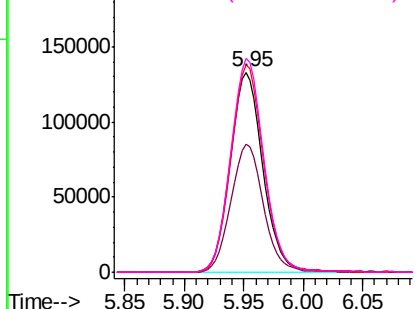
#34
 Trichloroethene
 Concen: 45.224 ug/L
 RT: 5.95 min Scan# 1512
 Delta R.T. 0.00 min
 Lab File: VV014082.D
 Acq: 17 Dec 2019 10:02

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05084

Tgt Ion: 95 Resp: 253575
 Ion Ratio Lower Upper
 95 100
 97 64.1 45.4 84.4
 132 104.1 73.7 136.9
 130 106.9 77.1 143.1

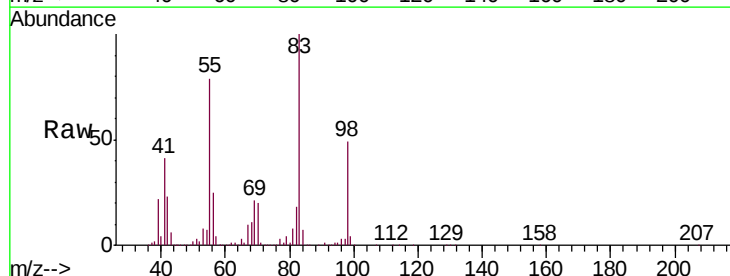


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

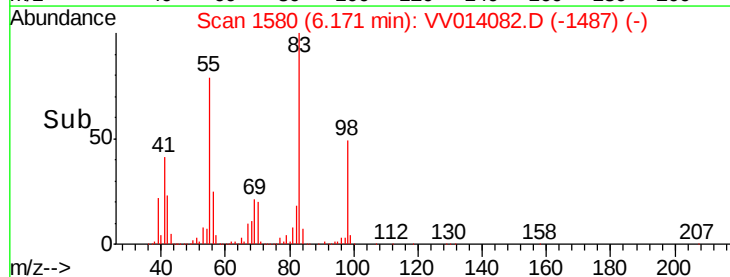
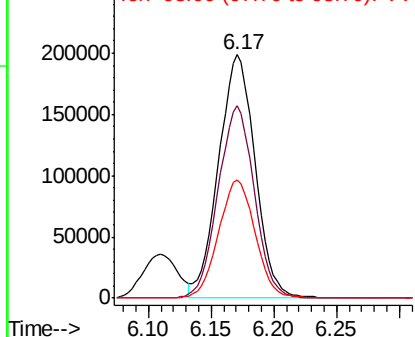


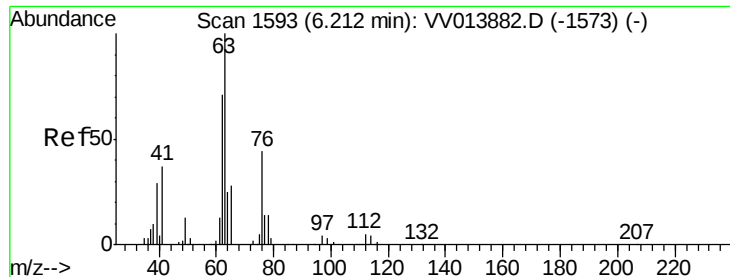
#35
 Methylcyclohexane
 Concen: 47.420 ug/L
 RT: 6.17 min Scan# 1580
 Delta R.T. 0.00 min
 Lab File: VV014082.D
 Acq: 17 Dec 2019 10:02

Tgt Ion: 83 Resp: 398941
 Ion Ratio Lower Upper
 83 100
 55 78.2 61.0 91.4
 98 48.7 39.6 59.4



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





#37

1,2-Dichloropropane

Concen: 52.110 ug/L

RT: 6.21 min Scan# 1593

Delta R.T. 0.00 min

Lab File: VV014082.D

Acq: 17 Dec 2019 10:02

Instrument :

MSVOA_V

ClientSampleId :

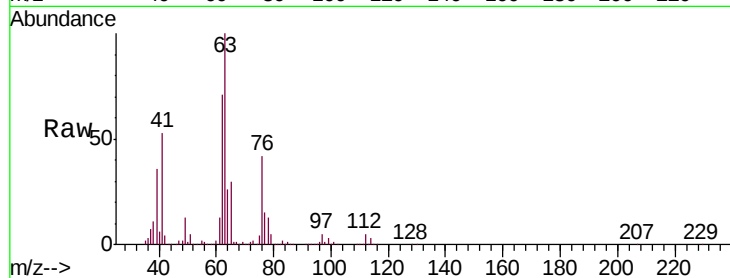
VSTD05084

Tgt Ion: 63 Resp: 263665

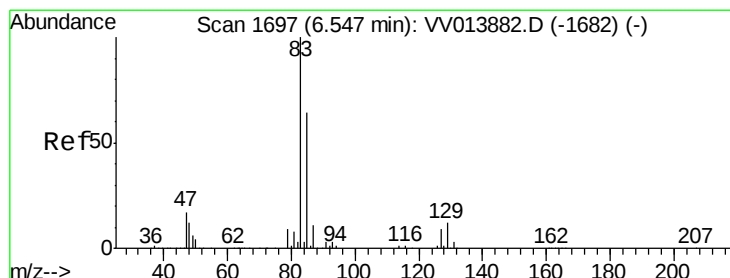
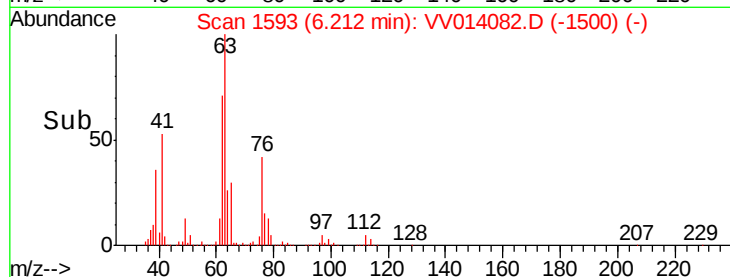
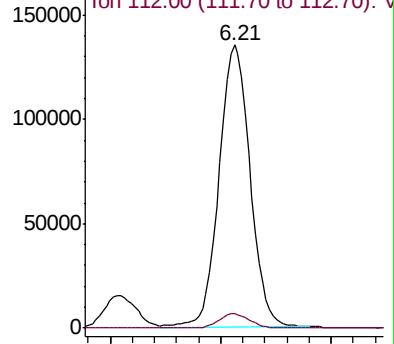
Ion Ratio Lower Upper

63 100

112 5.2 4.2 6.2



Abundance Ion 63.00 (62.70 to 63.70): VV014082.D (-1500) (-)



#38

Bromodichloromethane

Concen: 49.192 ug/L

RT: 6.55 min Scan# 1697

Delta R.T. -0.00 min

Lab File: VV014082.D

Acq: 17 Dec 2019 10:02

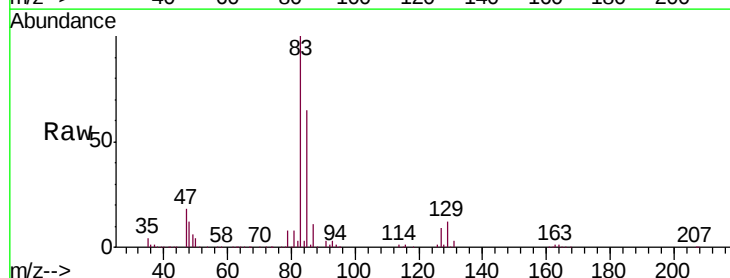
Tgt Ion: 83 Resp: 352983

Ion Ratio Lower Upper

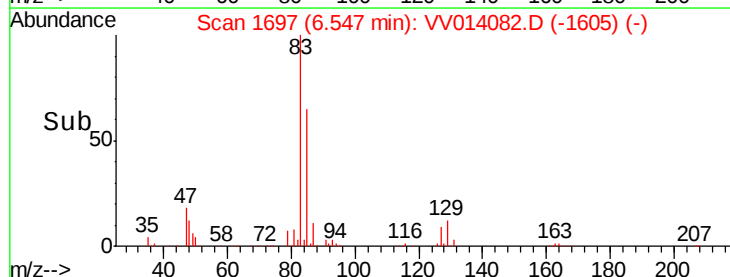
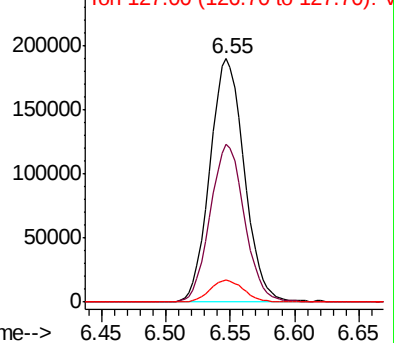
83 100

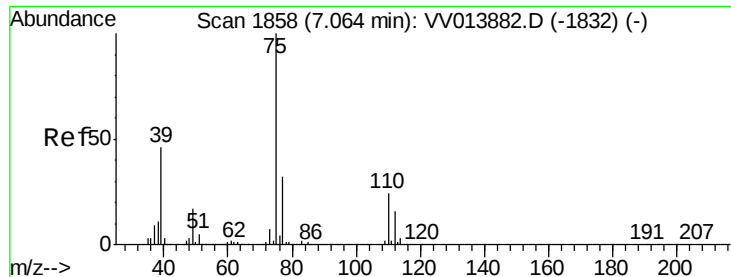
85 64.6 44.8 83.2

127 8.9 7.7 11.5



Abundance Ion 83.00 (82.70 to 83.70): VV014082.D (-1605) (-)

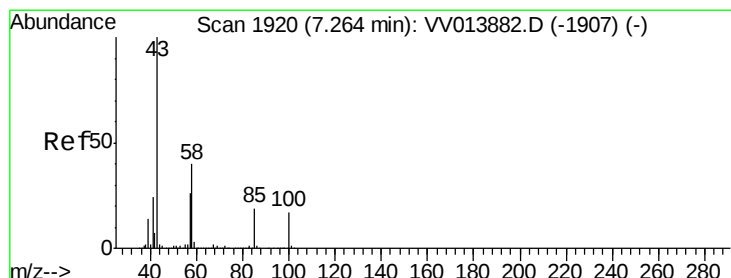
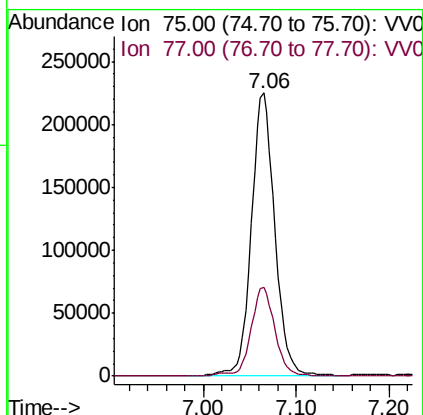
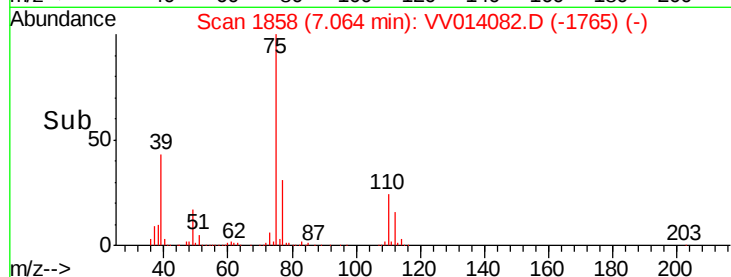
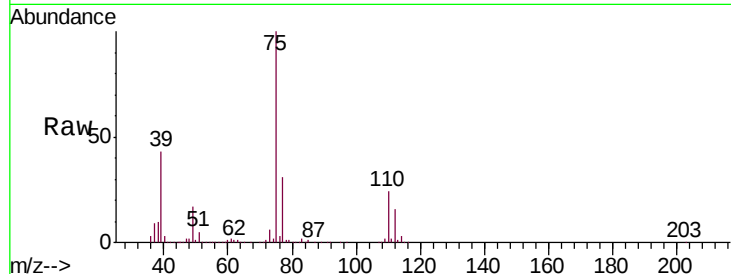




#39
 cis-1,3-Dichloropropene
 Concen: 49.597 ug/L
 RT: 7.06 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VV014082.D
 Acq: 17 Dec 2019 10:02

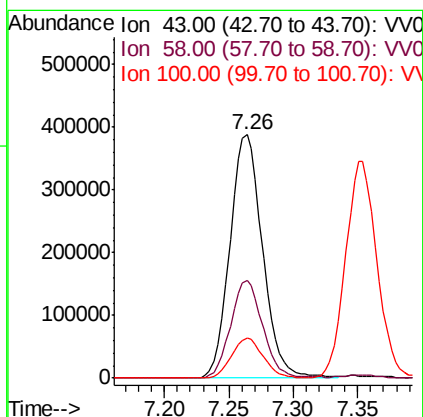
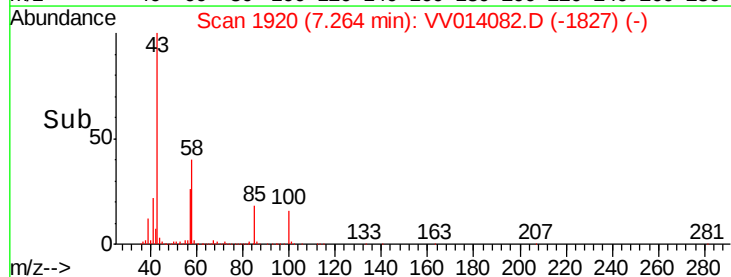
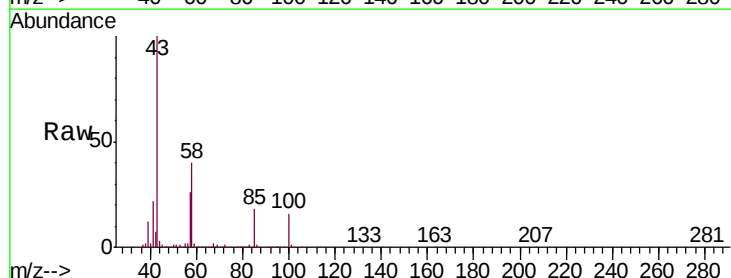
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05084

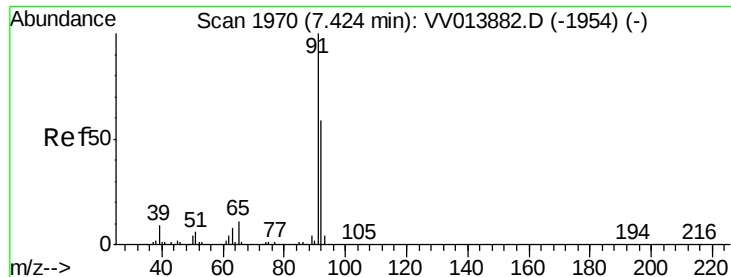
Tgt Ion: 75 Resp: 395061
 Ion Ratio Lower Upper
 75 100
 77 31.4 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 103.667 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VV014082.D
 Acq: 17 Dec 2019 10:02

Tgt Ion: 43 Resp: 682073
 Ion Ratio Lower Upper
 43 100
 58 39.4 31.9 47.9
 100 16.1 13.7 20.5





#42

Toluene

Concen: 50.274 ug/L

RT: 7.42 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VV014082.D

Acq: 17 Dec 2019 10:02

Instrument :

MSVOA_V

ClientSampleId :

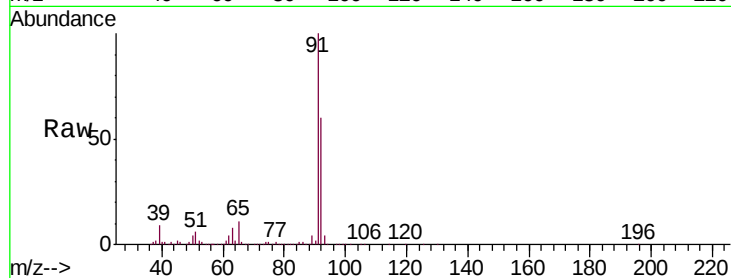
VSTD05084

Tgt Ion: 91 Resp: 1084411

Ion Ratio Lower Upper

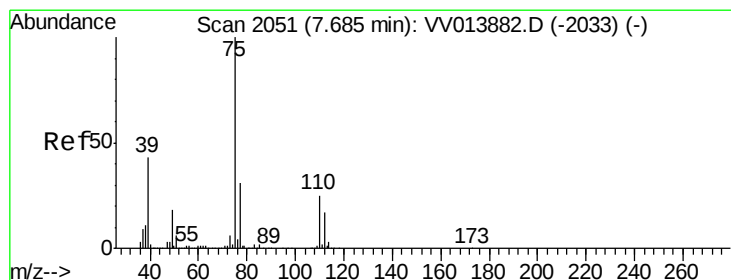
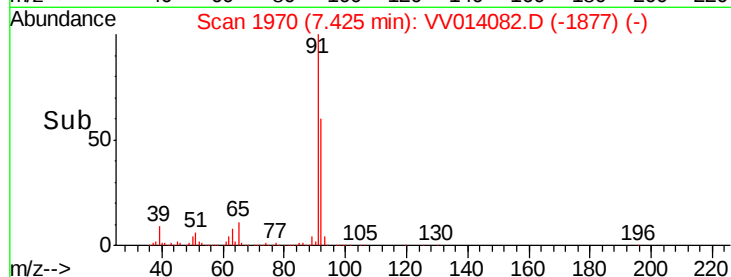
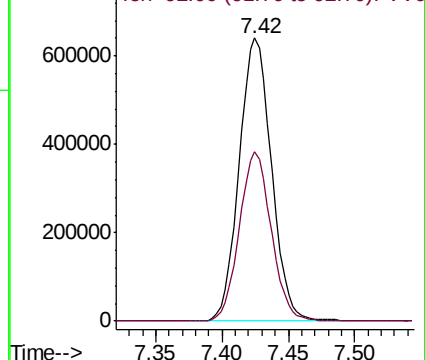
91 100

92 59.8 41.4 77.0



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 49.277 ug/L

RT: 7.69 min Scan# 2051

Delta R.T. -0.00 min

Lab File: VV014082.D

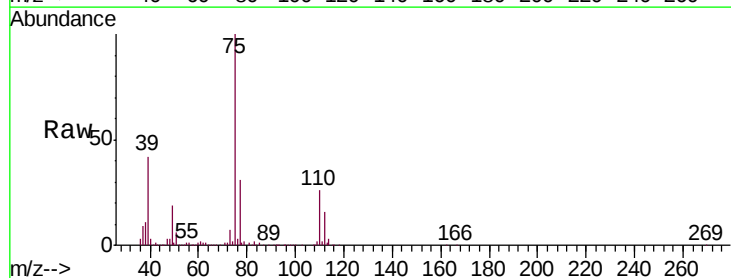
Acq: 17 Dec 2019 10:02

Tgt Ion: 75 Resp: 355436

Ion Ratio Lower Upper

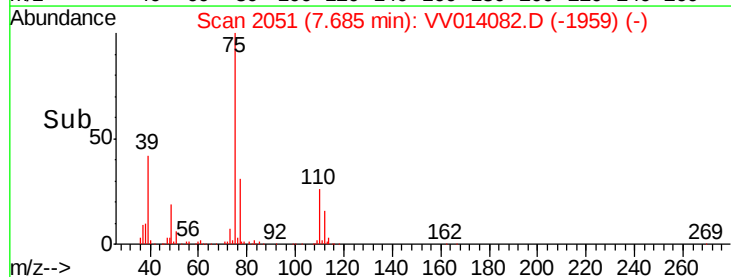
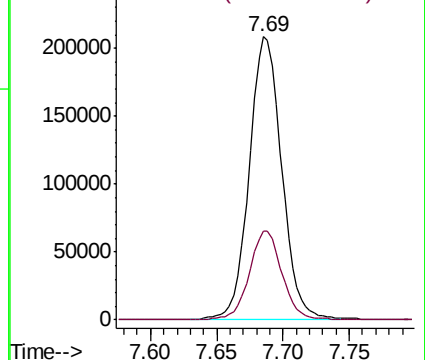
75 100

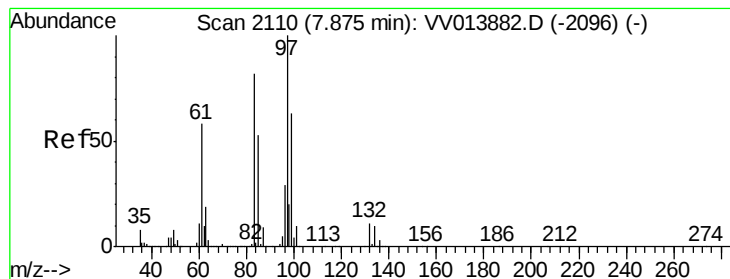
77 31.3 22.9 42.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#45

1,1,2-Trichloroethane

Concen: 51.393 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VV014082.D

Acq: 17 Dec 2019 10:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD05084

Tgt Ion: 97 Resp: 258114

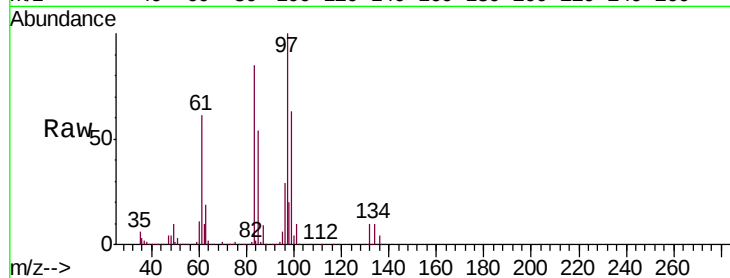
Ion Ratio Lower Upper

97 100

99 62.8 43.0 80.0

83 84.6 57.5 106.9

85 53.8 35.6 66.2

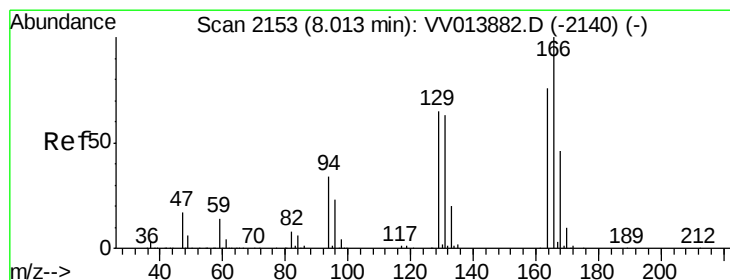
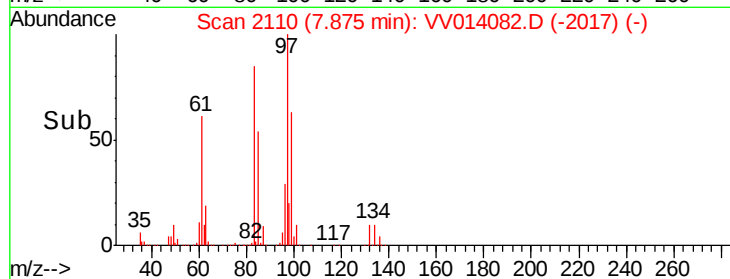
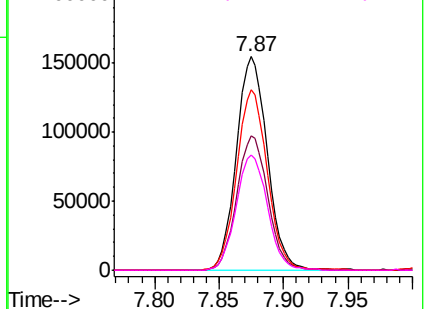


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 47.320 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VV014082.D

Acq: 17 Dec 2019 10:02

Tgt Ion: 164 Resp: 239424

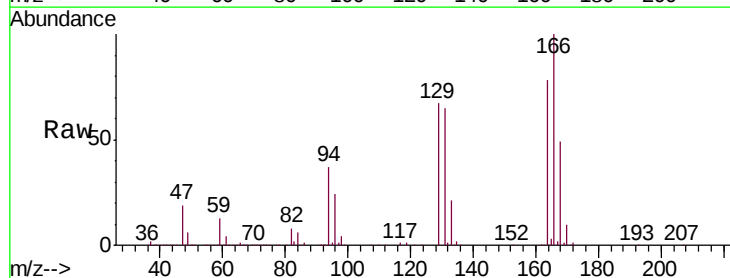
Ion Ratio Lower Upper

164 100

129 86.6 61.7 114.7

131 84.1 58.4 108.6

166 128.5 93.4 173.6

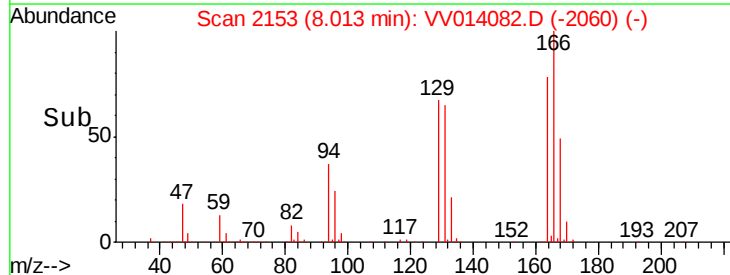
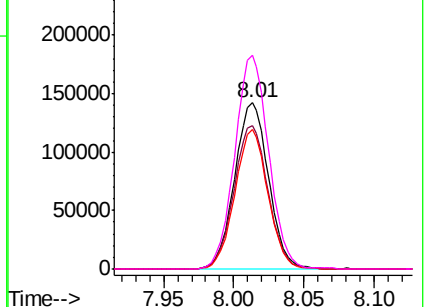


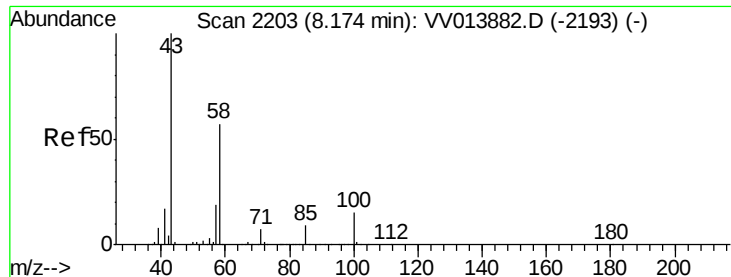
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

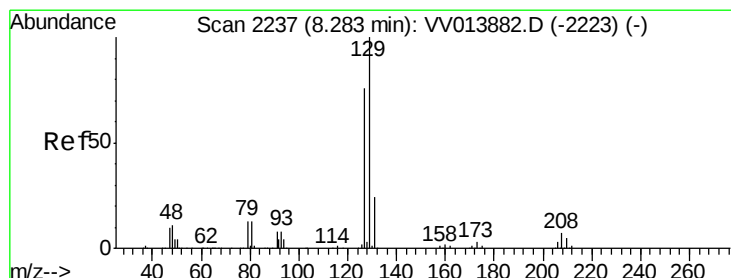
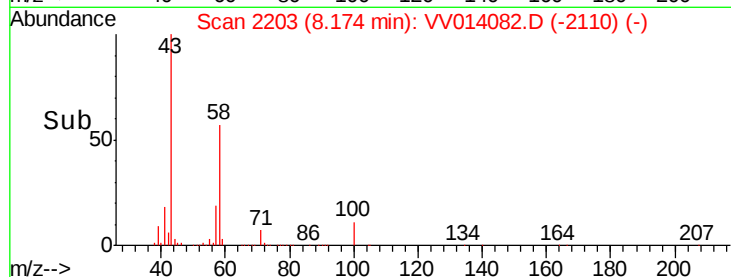
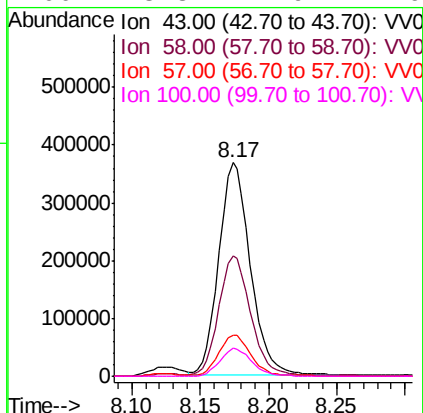
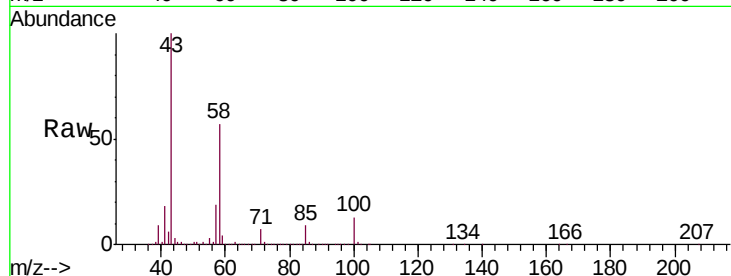




#48
2-Hexanone
Concen: 112.225 ug/L
RT: 8.17 min Scan# 2203
Delta R.T. 0.00 min
Lab File: VV014082.D
Acq: 17 Dec 2019 10:02

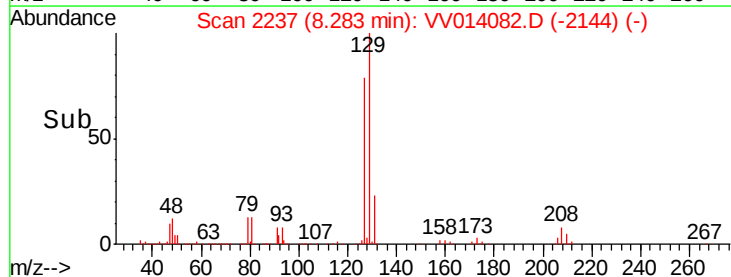
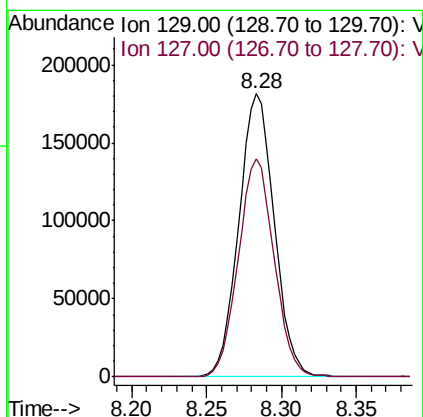
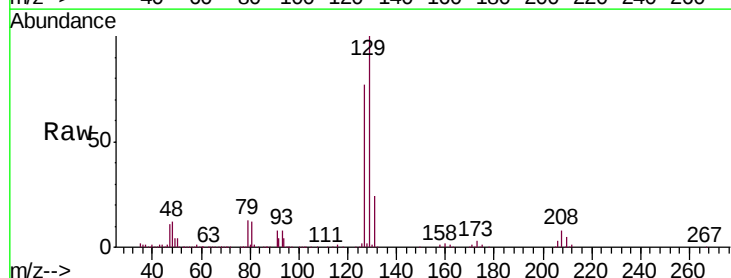
Instrument :
MSVOA_V
ClientSampleId :
VSTD05084

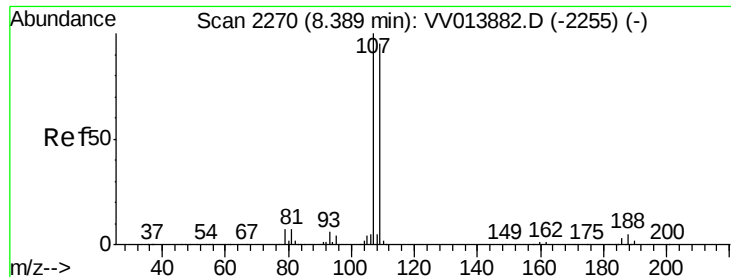
Tgt Ion: 43 Resp: 590663
Ion Ratio Lower Upper
43 100
58 58.0 48.4 72.6
57 20.0 16.6 24.8
100 13.3 11.9 17.9



#49
Dibromochloromethane
Concen: 48.794 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VV014082.D
Acq: 17 Dec 2019 10:02

Tgt Ion: 129 Resp: 299557
Ion Ratio Lower Upper
129 100
127 77.3 53.7 99.7





#50

1,2-Dibromoethane

Concen: 48.645 ug/L

RT: 8.39 min Scan# 2270

Delta R.T. 0.00 min

Lab File: VV014082.D

Acq: 17 Dec 2019 10:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD05084

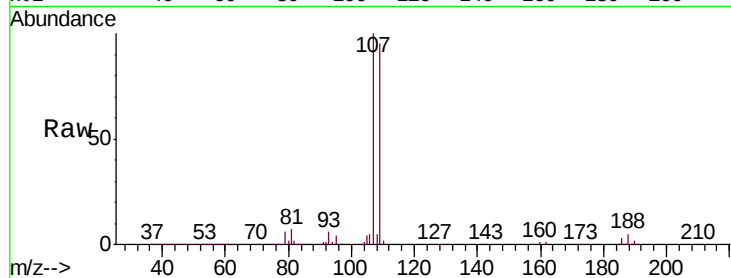
Tgt Ion:107 Resp: 269132

Ion Ratio Lower Upper

107 100

109 94.9 65.9 122.5

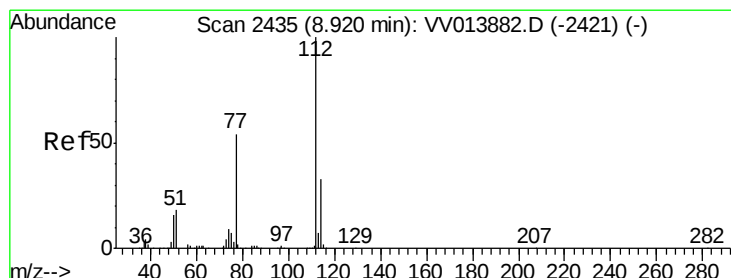
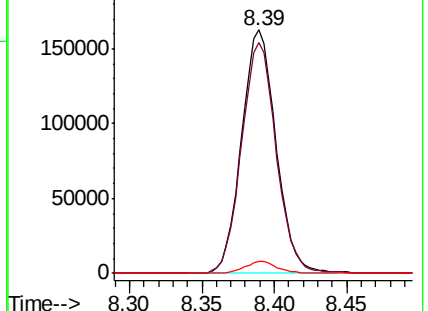
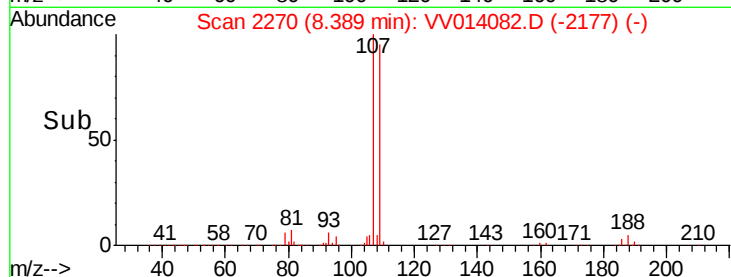
188 5.0 3.6 5.4



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



#51

Chlorobenzene

Concen: 47.087 ug/L

RT: 8.92 min Scan# 2434

Delta R.T. -0.00 min

Lab File: VV014082.D

Acq: 17 Dec 2019 10:02

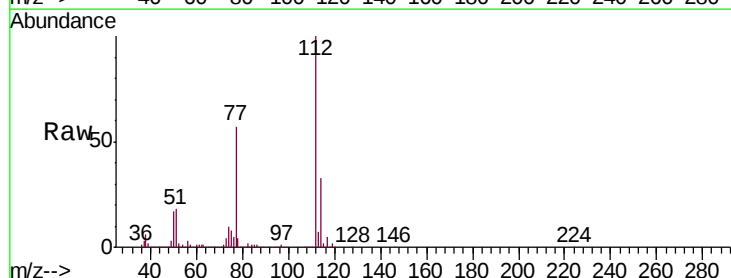
Tgt Ion:112 Resp: 700720

Ion Ratio Lower Upper

112 100

114 32.5 23.2 43.2

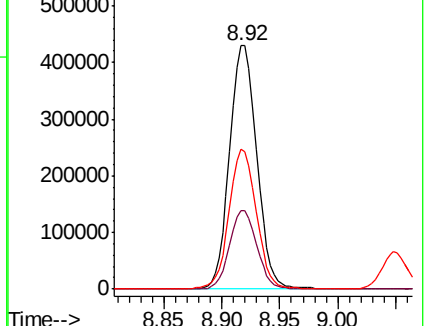
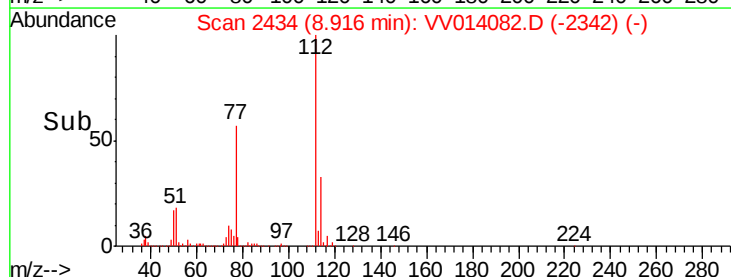
77 57.2 45.0 67.4

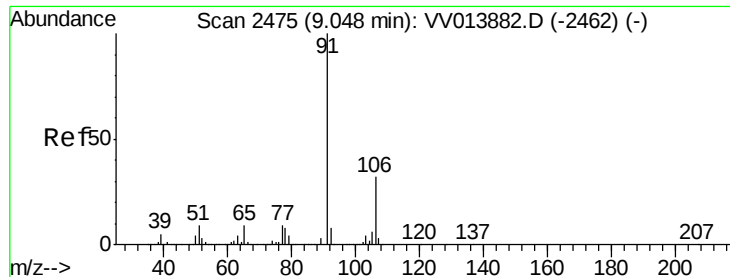


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 48.193 ug/L

RT: 9.05 min Scan# 2475

Delta R.T. 0.00 min

Lab File: VV014082.D

Acq: 17 Dec 2019 10:02

Instrument :

MSVOA_V

ClientSampleId :

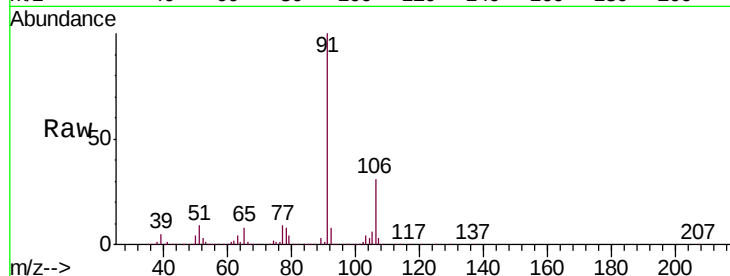
VSTD05084

Tgt Ion: 91 Resp: 1145973

Ion Ratio Lower Upper

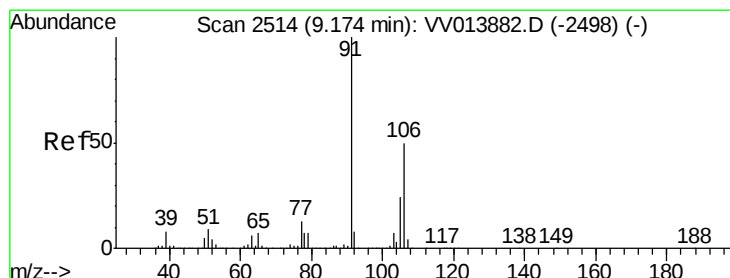
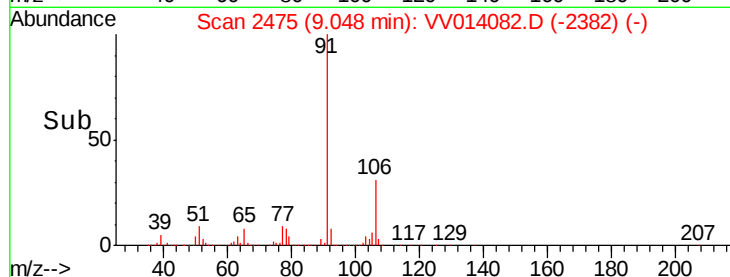
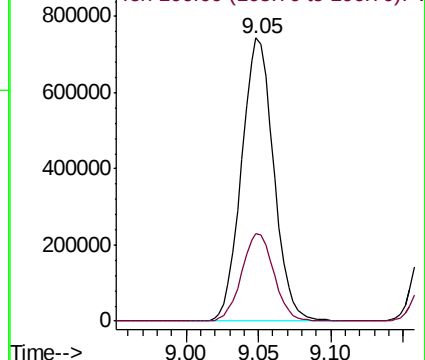
91 100

106 31.0 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 49.049 ug/L

RT: 9.17 min Scan# 2514

Delta R.T. -0.00 min

Lab File: VV014082.D

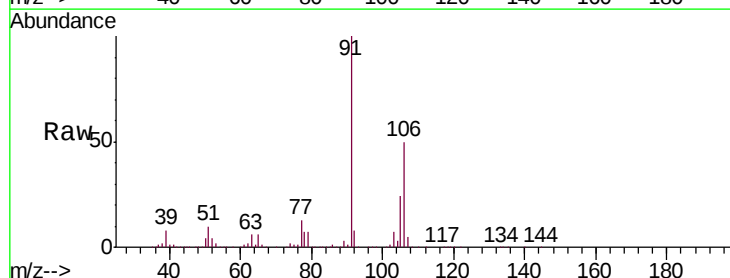
Acq: 17 Dec 2019 10:02

Tgt Ion: 106 Resp: 451021

Ion Ratio Lower Upper

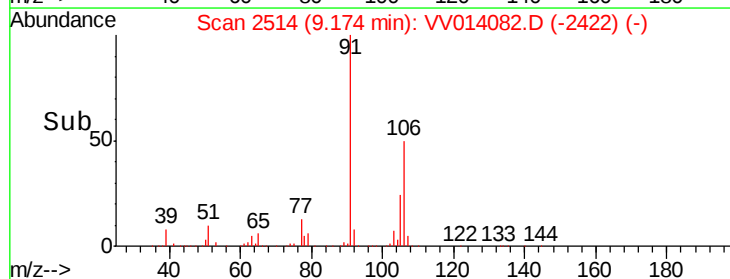
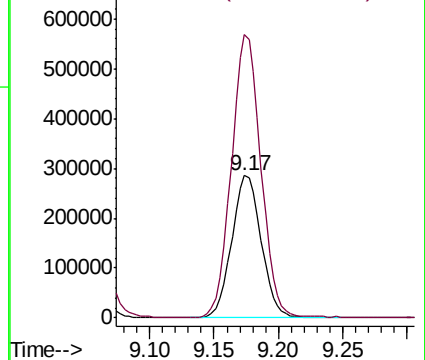
106 100

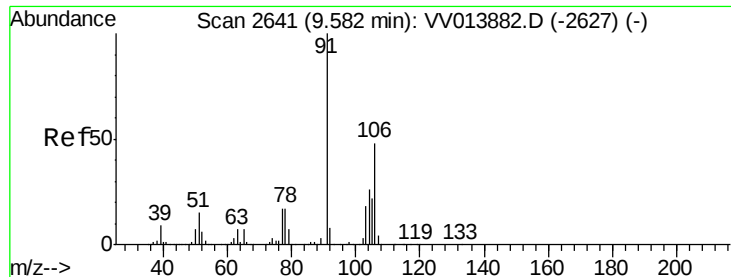
91 199.4 139.4 259.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#54

o-xylene

Concen: 47.735 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV014082.D

Acq: 17 Dec 2019 10:02

Instrument :

MSVOA_V

ClientSampleId :

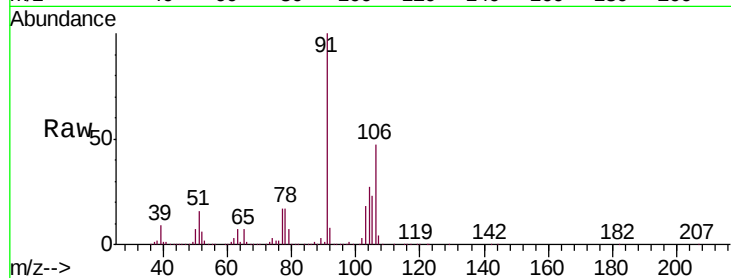
VSTD05084

Tgt Ion:106 Resp: 429175

Ion Ratio Lower Upper

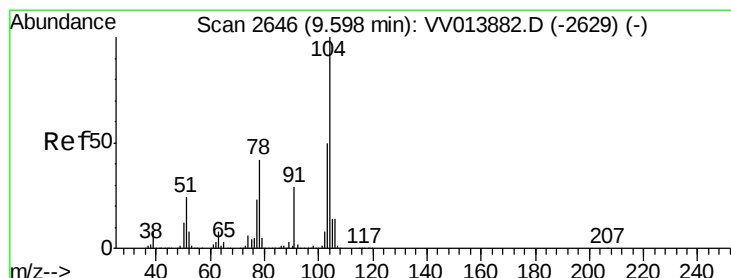
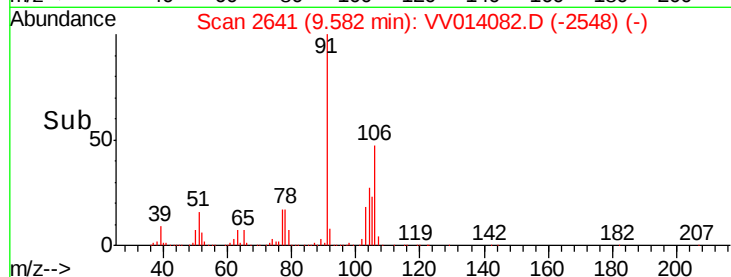
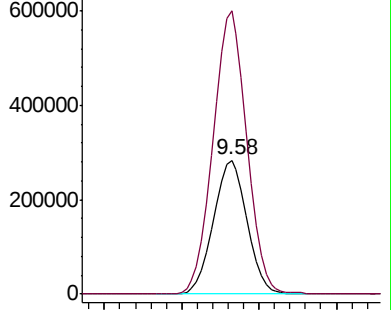
106 100

91 211.3 147.1 273.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 50.143 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV014082.D

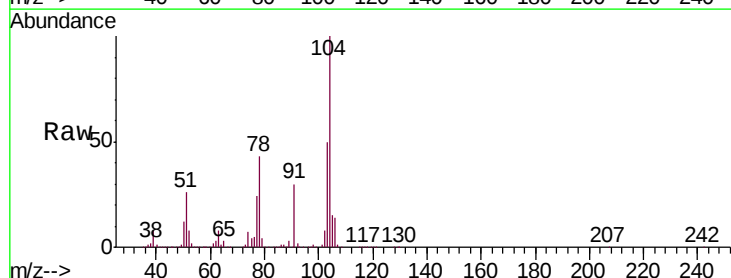
Acq: 17 Dec 2019 10:02

Tgt Ion:104 Resp: 777810

Ion Ratio Lower Upper

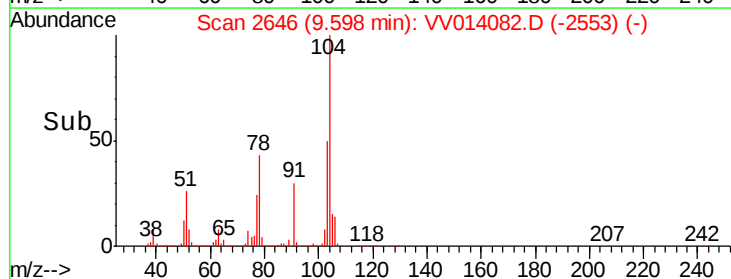
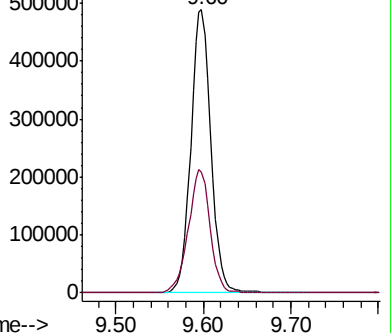
104 100

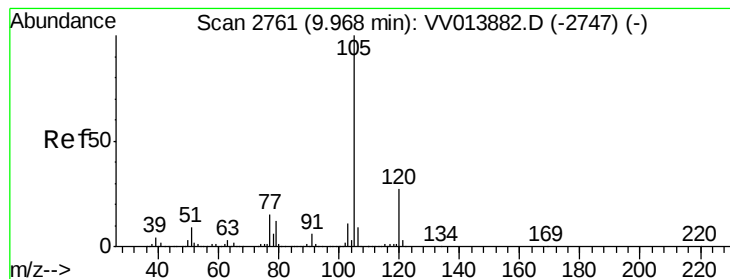
78 42.8 29.3 54.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 47.603 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. 0.00 min

Lab File: VV014082.D

Acq: 17 Dec 2019 10:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD05084

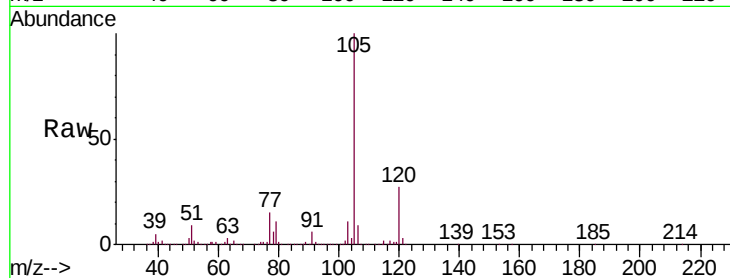
Tgt Ion:105 Resp: 1150396

Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.2

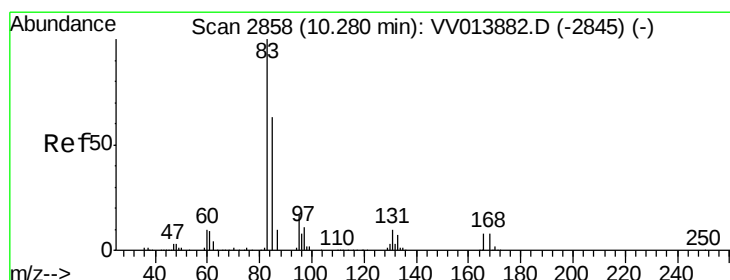
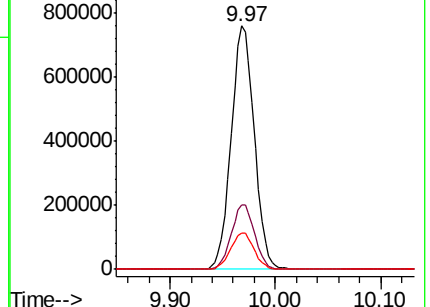
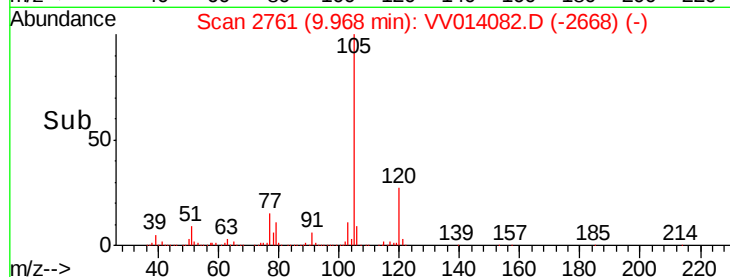
77 15.0 12.0 18.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 51.299 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014082.D

Acq: 17 Dec 2019 10:02

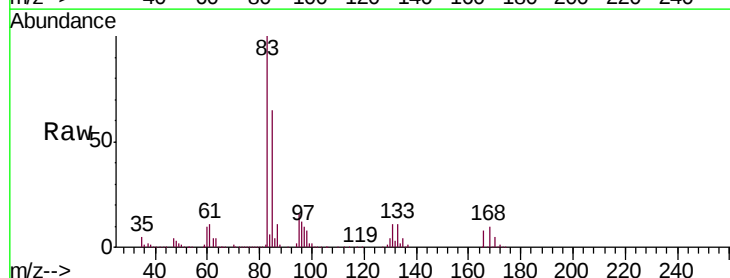
Tgt Ion: 83 Resp: 419430

Ion Ratio Lower Upper

83 100

85 64.5 44.1 81.9

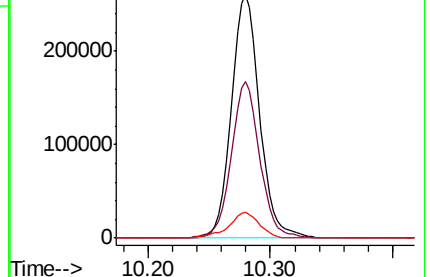
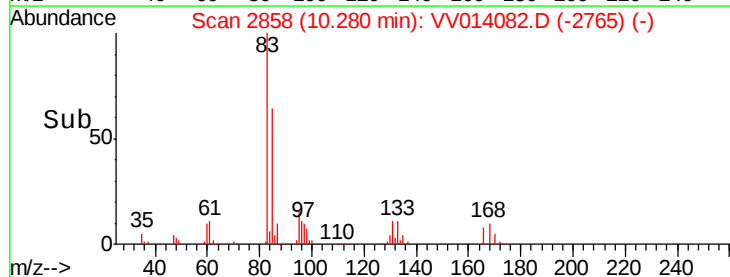
131 10.5 8.8 13.2

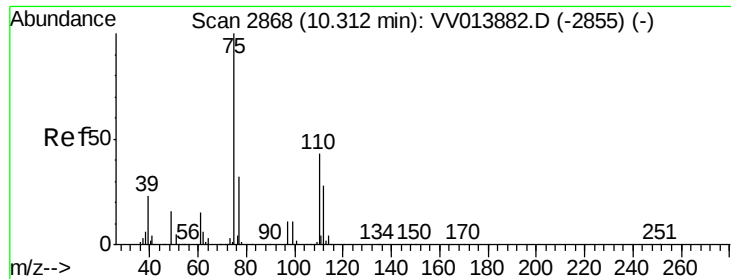


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 47.017 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VV014082.D

Acq: 17 Dec 2019 10:02

Instrument :

MSVOA_V

ClientSampleId :

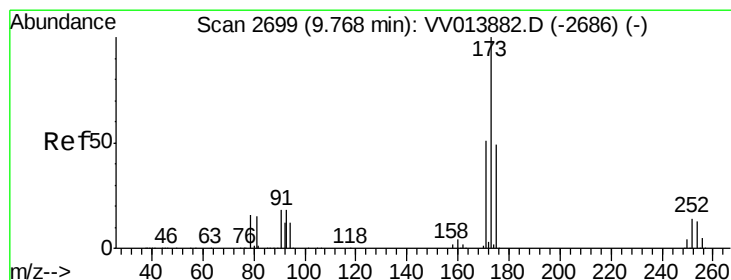
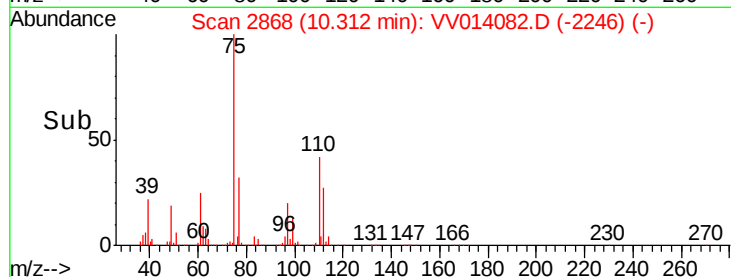
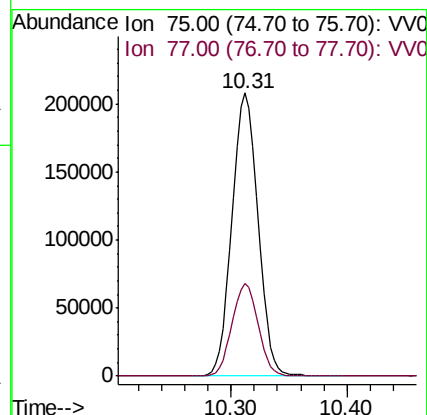
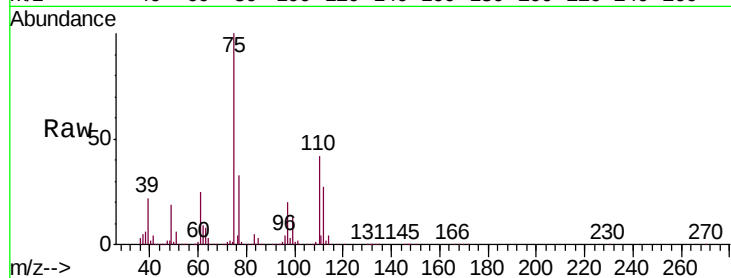
VSTD05084

Tgt Ion: 75 Resp: 321930

Ion Ratio Lower Upper

75 100

77 32.5 25.8 38.8



#61

Bromoform

Concen: 50.094 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. 0.00 min

Lab File: VV014082.D

Acq: 17 Dec 2019 10:02

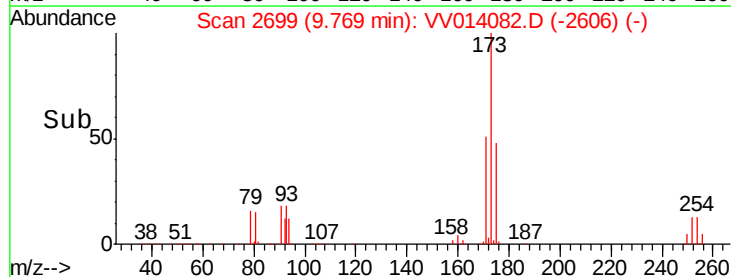
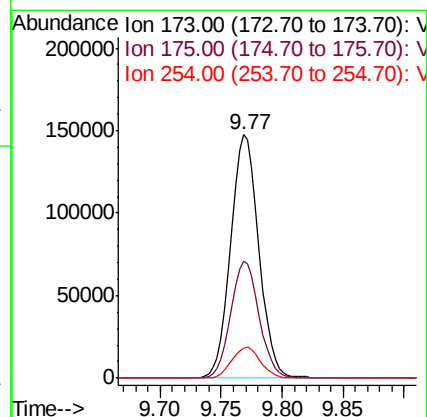
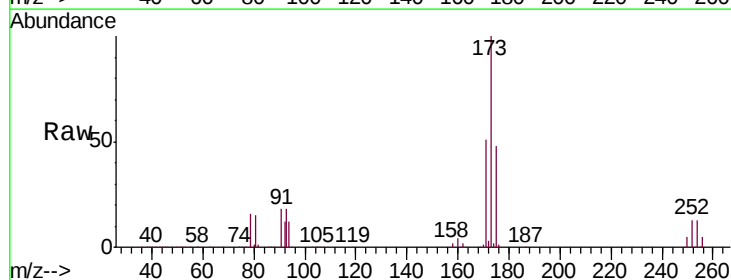
Tgt Ion: 173 Resp: 238739

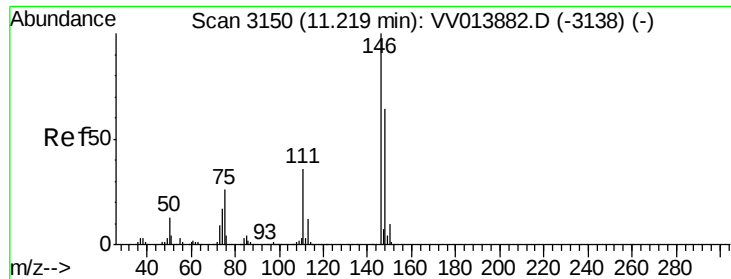
Ion Ratio Lower Upper

173 100

175 48.3 38.4 57.6

254 13.0 10.5 15.7

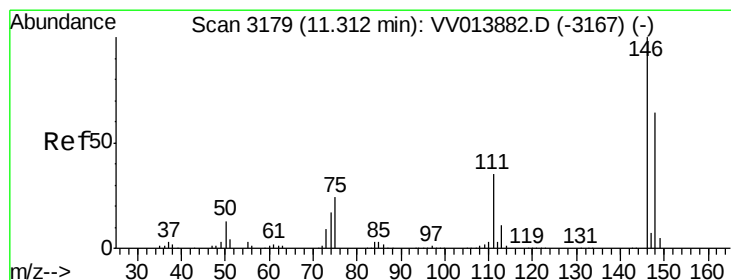
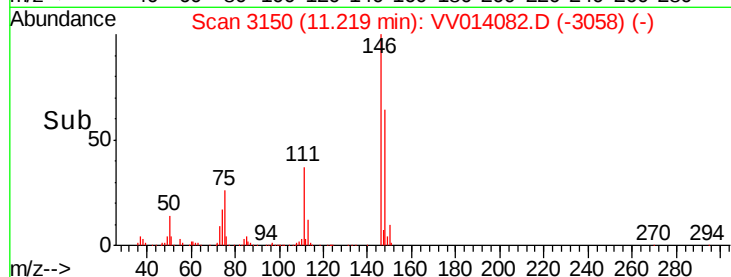
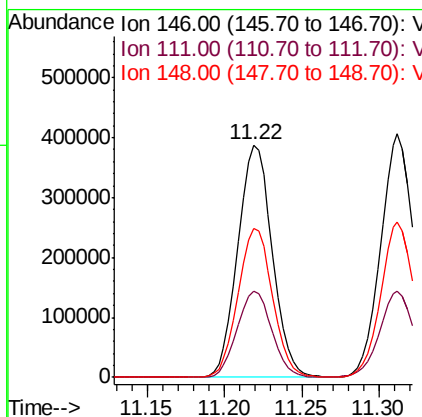
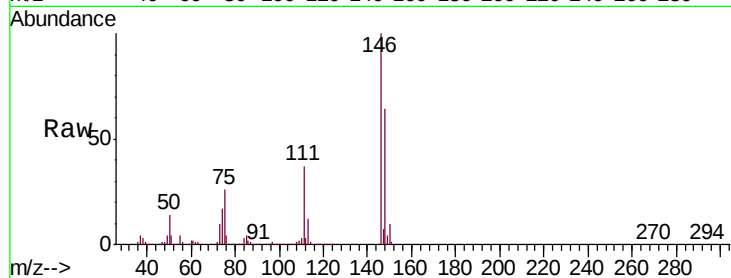




#62
 1,3-Dichlorobenzene
 Concen: 47.043 ug/L
 RT: 11.22 min Scan# 3150
 Delta R.T. -0.00 min
 Lab File: VV014082.D
 Acq: 17 Dec 2019 10:02

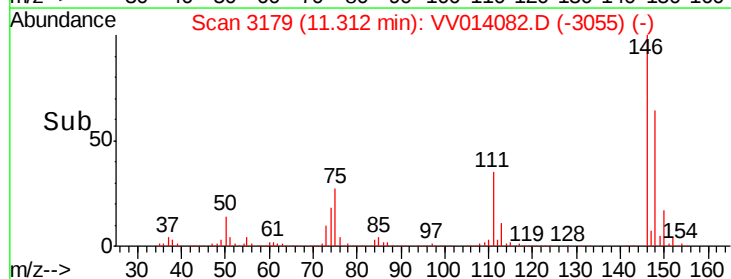
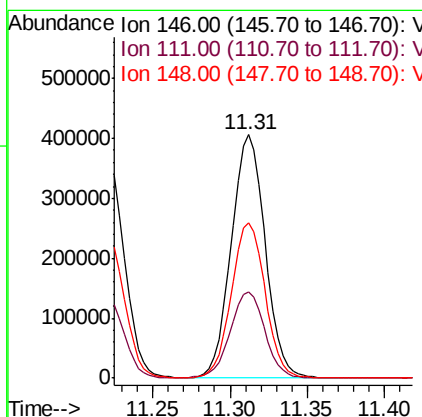
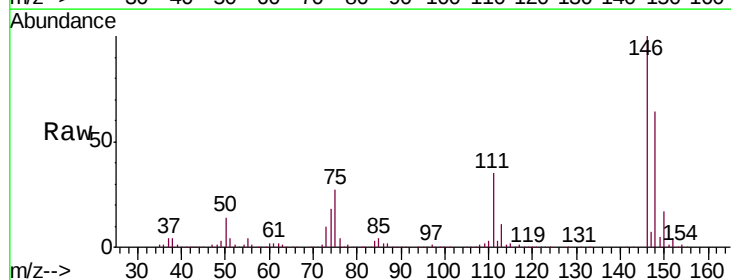
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05084

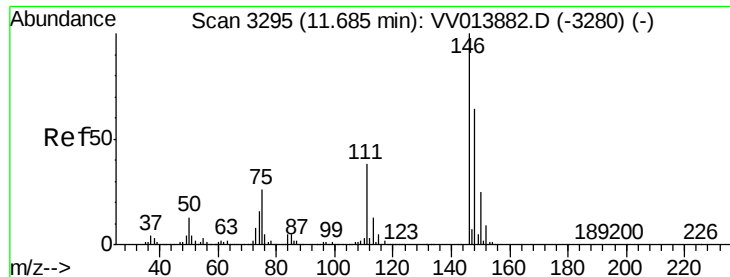
Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	25.8	48.0
148	63.9	45.2	84.0



#63
 1,4-Dichlorobenzene
 Concen: 46.458 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV014082.D
 Acq: 17 Dec 2019 10:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.4	25.4	47.2
148	63.9	44.9	83.5

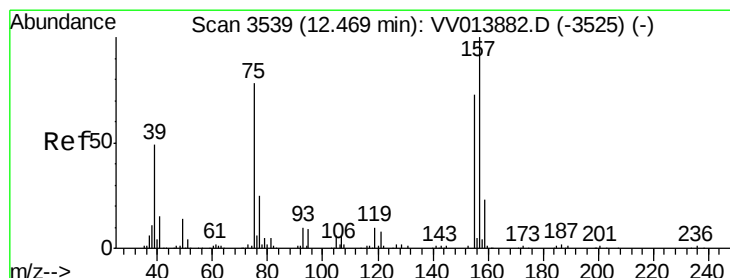
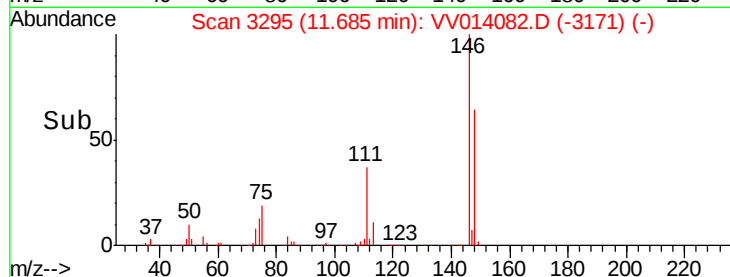
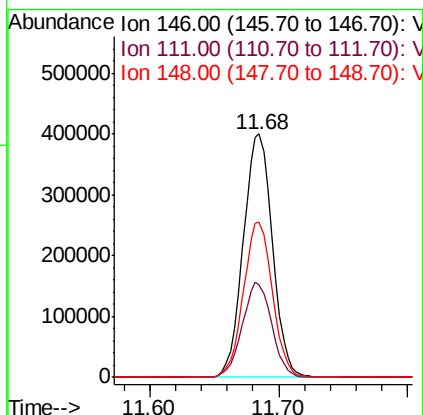
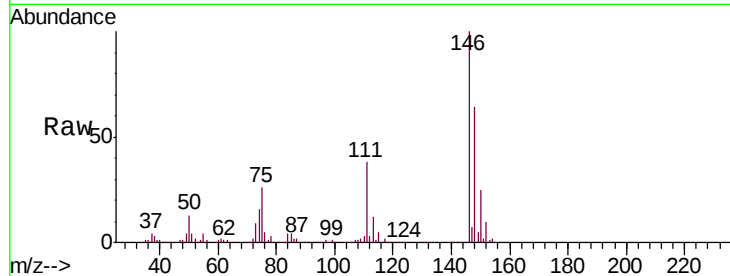




#65
 1,2-Dichlorobenzene
 Concen: 49.105 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV014082.D
 Acq: 17 Dec 2019 10:02

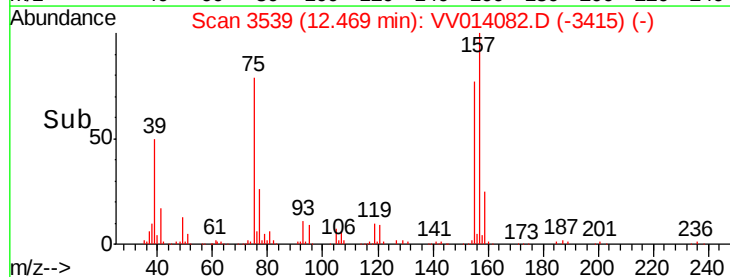
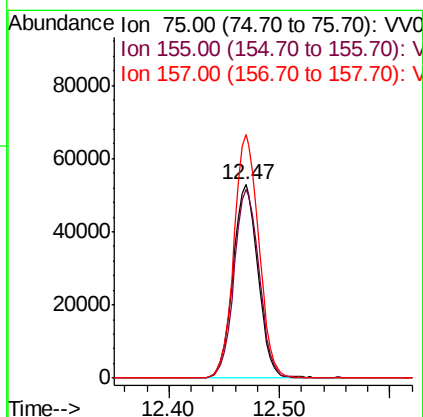
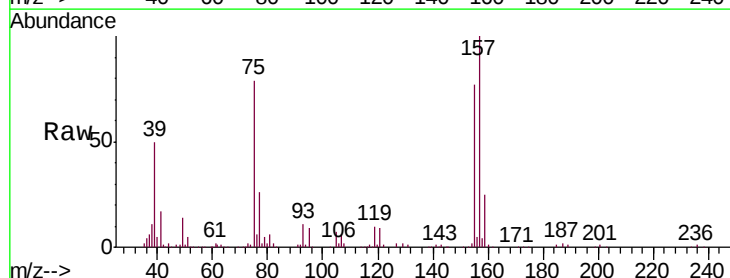
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05084

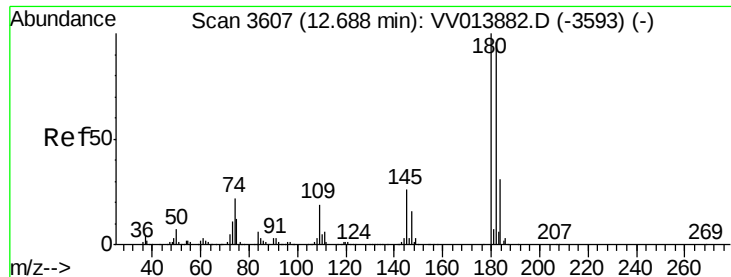
Tgt Ion: 146 Resp: 627914
 Ion Ratio Lower Upper
 146 100
 111 38.1 31.4 47.0
 148 63.7 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 46.837 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VV014082.D
 Acq: 17 Dec 2019 10:02

Tgt Ion: 75 Resp: 83235
 Ion Ratio Lower Upper
 75 100
 155 97.2 78.6 117.8
 157 125.8 102.6 153.8

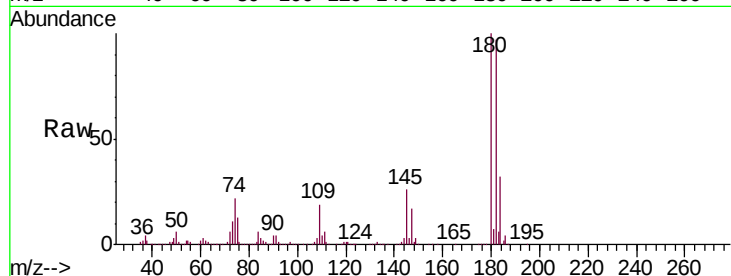




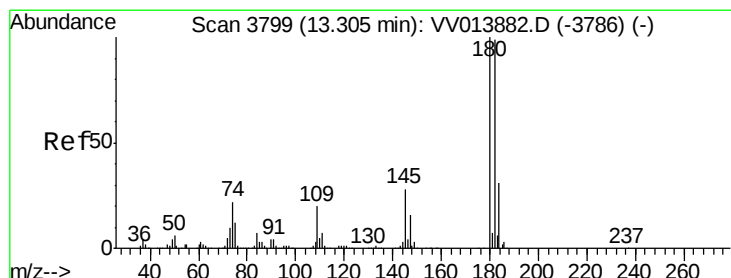
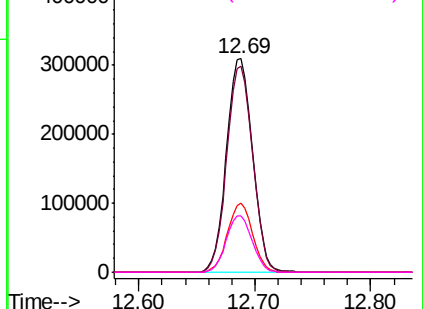
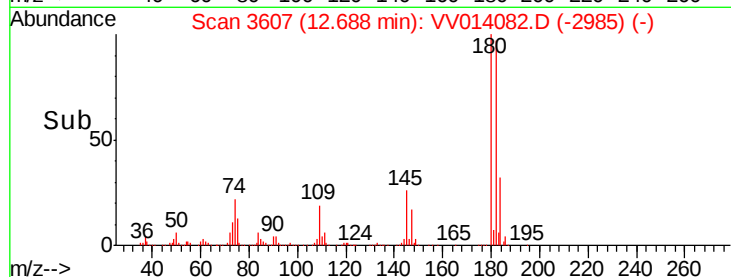
#67
 1,3,5-Trichlorobenzene
 Concen: 46.475 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014082.D
 Acq: 17 Dec 2019 10:02

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05084

Tgt Ion:	180	Resp:	482459
Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.2	114.4
184	31.4	24.2	36.4
145	26.3	21.1	31.7

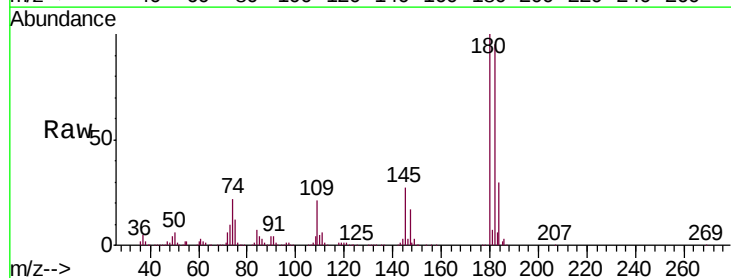


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

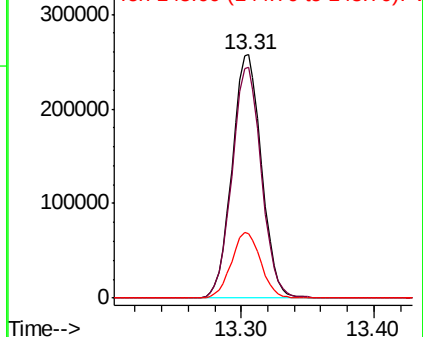
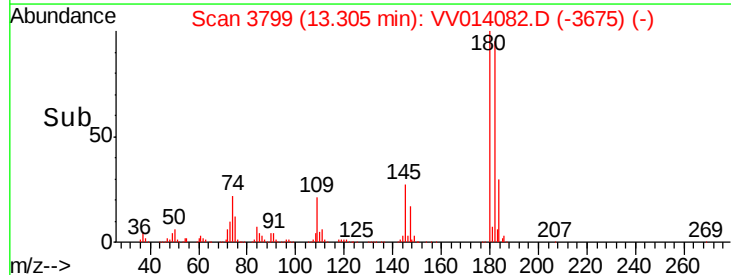


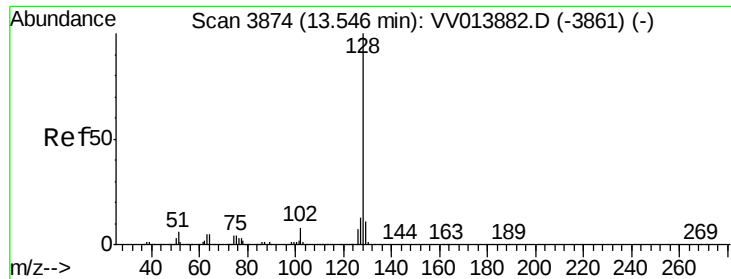
#68
 1,2,4-trichlorobenzene
 Concen: 42.314 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV014082.D
 Acq: 17 Dec 2019 10:02

Tgt Ion:	180	Resp:	396351
Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.2	114.4
145	27.0	21.9	32.9



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: 40.013 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV014082.D

Acq: 17 Dec 2019 10:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD05084

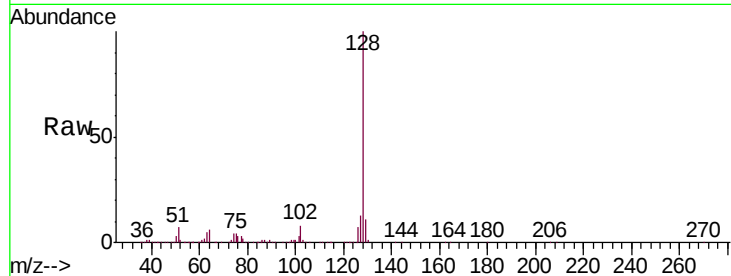
Tgt Ion:128 Resp: 984106

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

129 10.9 8.6 12.8

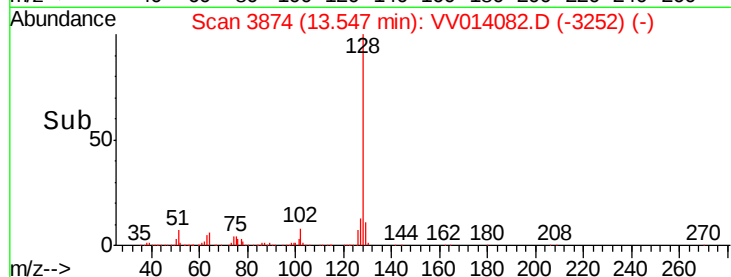


Abundance Ion 128.00 (127.70 to 128.70): V

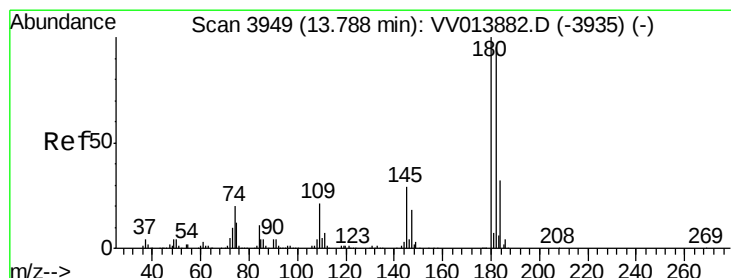
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

13.55



Time-->



#70

1,2,3-Trichlorobenzene

Concen: 45.512 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV014082.D

Acq: 17 Dec 2019 10:02

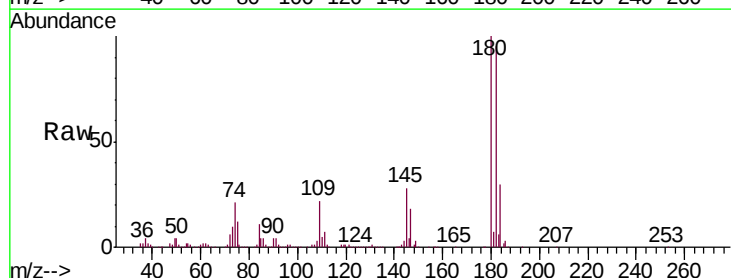
Tgt Ion:180 Resp: 445828

Ion Ratio Lower Upper

180 100

182 95.7 77.0 115.4

145 28.6 22.6 34.0

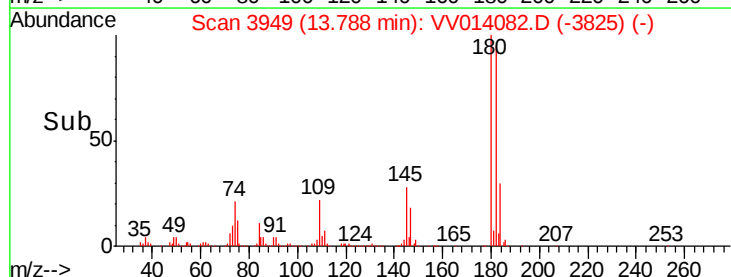


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

13.79



Time-->