

Data File : VV013862.D
Acq On : 29 Nov 2019 20:27
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05095

Quant Time: Nov 29 22:40:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM110619WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 29 22:33:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	741430	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	723886	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	402786	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	208636	48.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.12%
7) Chloroethane-d5	1.58	69	188166	53.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	106.48%
11) 1,1-Dichloroethene-d2	2.13	63	401643	52.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.80%
21) 2-Butanone-d5	3.92	46	310619	96.76	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.76%
24) Chloroform-d	4.40	84	432233	45.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.72%
26) 1,2-Dichloroethane-d4	5.08	65	282298	45.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.80%
32) Benzene-d6	5.10	84	901615	46.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	6.11	67	273077	43.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.20%
41) Toluene-d8	7.36	98	885432	49.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.68%
43) trans-1,3-Dichloropropene-	7.66	79	132527	46.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.10%
47) 2-Hexanone-d5	8.13	63	230636	101.51	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.51%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	376681	47.87	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.74%
64) 1,2-Dichlorobenzene-d4	11.67	152	383140	47.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.44%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	287645	46.615 ug/L	99
3) Chloromethane	1.25	50	275456	46.992 ug/L	100
5) Vinyl chloride	1.32	62	278955	50.929 ug/L	99
6) Bromomethane	1.53	94	143799	54.725 ug/L	96
8) Chloroethane	1.60	64	167077	54.445 ug/L	99
9) Trichlorofluoromethane	1.77	101	388103	53.378 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	212058	51.789 ug/L	98
12) 1,1-Dichloroethene	2.14	96	207116	52.991 ug/L	98
13) Acetone	2.18	43	235115	78.478 ug/L	98
14) Carbon disulfide	2.32	76	618716	45.233 ug/L	99
15) Methyl Acetate	2.45	43	246303	45.062 ug/L	96
16) Methylene chloride	2.53	84	248973	47.065 ug/L	92
17) trans-1,2-Dichloroethene	2.79	96	238050	48.912 ug/L	95
18) Methyl tert-butyl Ether	2.80	73	705800	47.559 ug/L	98
19) 1,1-Dichloroethane	3.23	63	429343	46.263 ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	258360	48.619 ug/L	96
22) 2-Butanone	4.00	43	356387	89.804 ug/L	99

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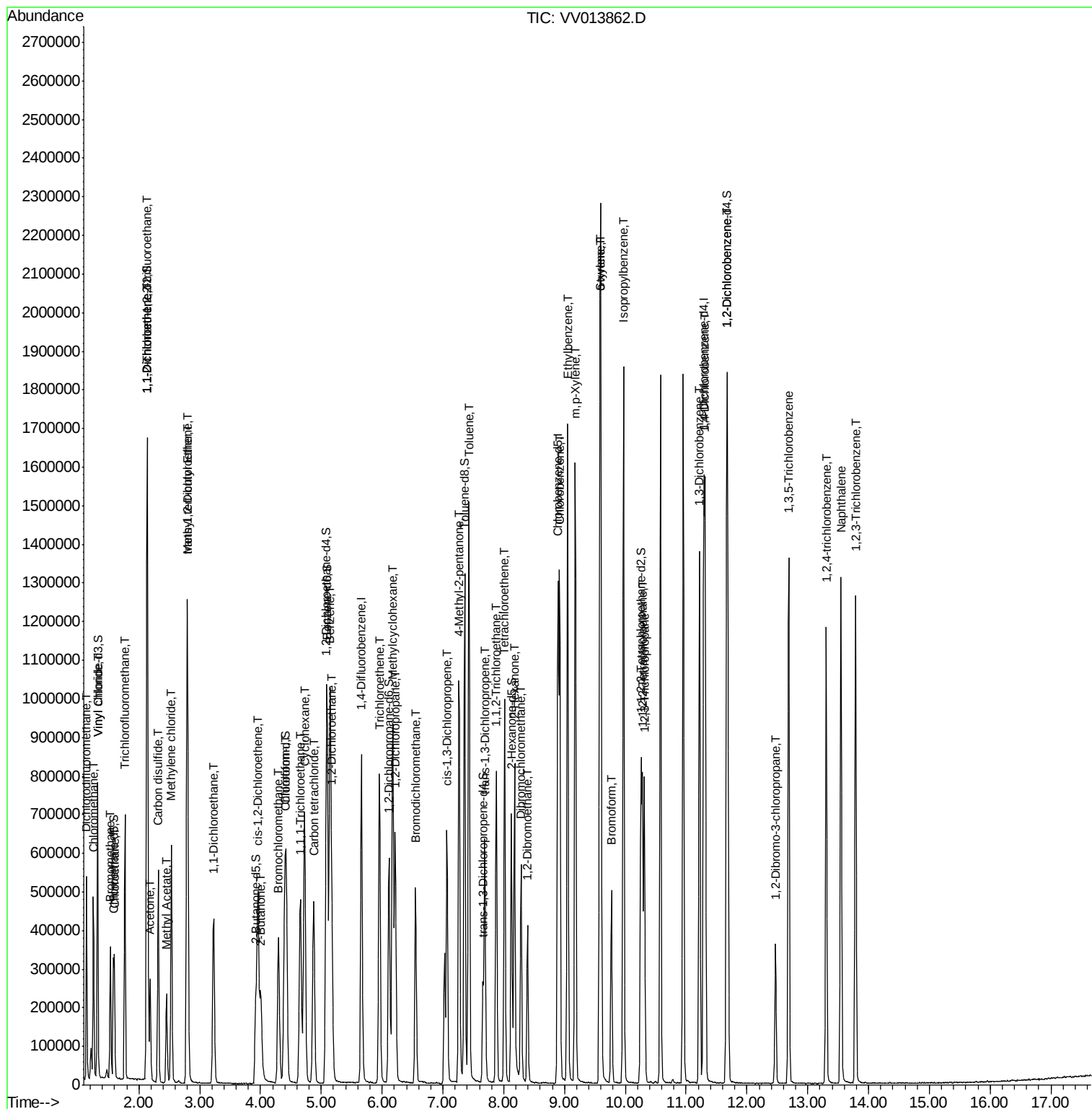
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	138703	49.383	ug/L	91
25) Chloroform	4.42	83	470580	49.284	ug/L	99
27) 1,2-Dichloroethane	5.17	62	340724	46.566	ug/L	98
29) Cyclohexane	4.72	56	379225	45.600	ug/L	95
30) 1,1,1-Trichloroethane	4.66	97	383094	47.549	ug/L	98
31) Carbon tetrachloride	4.87	117	352439	49.056	ug/L	98
33) Benzene	5.14	78	991909	48.259	ug/L	100
34) Trichloroethene	5.96	95	268589	49.174	ug/L	97
35) Methylcyclohexane	6.17	83	383182	45.510	ug/L	97
37) 1,2-Dichloropropane	6.22	63	251900	46.561	ug/L	100
38) Bromodichloromethane	6.55	83	335723	47.185	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	385716	46.934	ug/L	99
40) 4-Methyl-2-pentanone	7.26	43	669961	96.064	ug/L	97
42) Toluene	7.43	91	1076931	50.279	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	339958	47.534	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	247479	48.851	ug/L	98
46) Tetrachloroethene	8.02	164	244165	52.379	ug/L	96
48) 2-Hexanone	8.18	43	498343	90.483	ug/L	96
49) Dibromochloromethane	8.29	129	290648	49.900	ug/L	97
50) 1,2-Dibromoethane	8.39	107	266551	50.142	ug/L	98
51) Chlorobenzene	8.92	112	707485	49.696	ug/L	97
52) Ethylbenzene	9.05	91	1165461	50.148	ug/L	99
53) m,p-Xylene	9.18	106	453867	51.453	ug/L	96
54) o-xylene	9.58	106	439673	51.970	ug/L	98
55) Styrene	9.60	104	769570	52.619	ug/L	98
56) Isopropylbenzene	9.97	105	1168249	52.588	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	362718	47.418	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	308081	48.367	ug/L	100
61) Bromoform	9.77	173	236661	50.108	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	595807	48.805	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	607230	48.024	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	596008	48.753	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	82294	48.800	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	463051	48.550	ug/L	99
68) 1,2,4-trichlorobenzene	13.30	180	393238	47.064	ug/L	99
69) Naphthalene	13.55	128	1037267	46.459	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	425058	47.901	ug/L	98

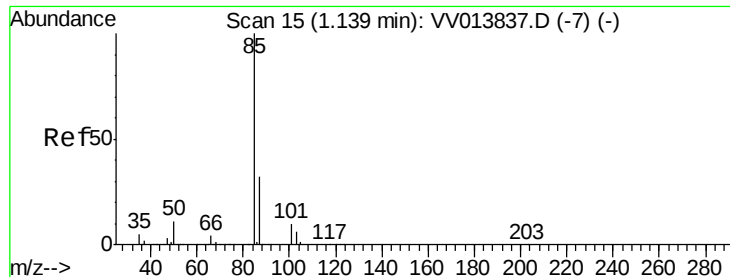
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 46.615 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV013862.D

Acq: 29 Nov 2019 20:27

Instrument :

MSVOA_V

ClientSampleId :

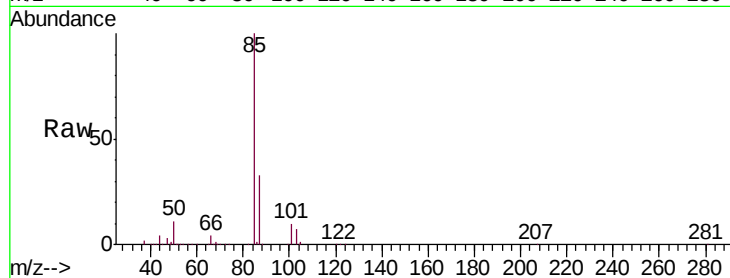
VSTD05095

Tgt Ion: 85 Resp: 287645

Ion Ratio Lower Upper

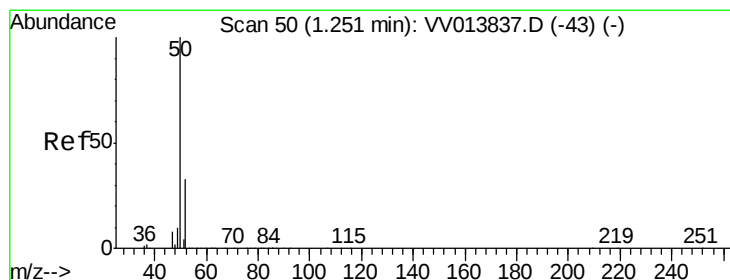
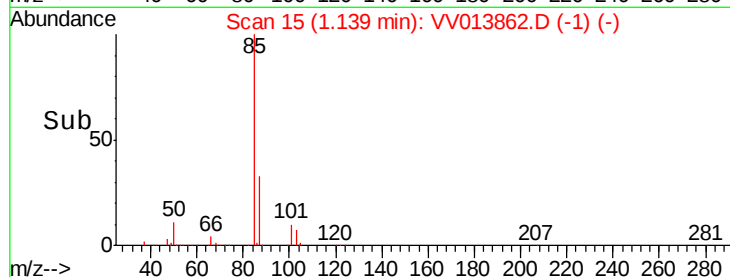
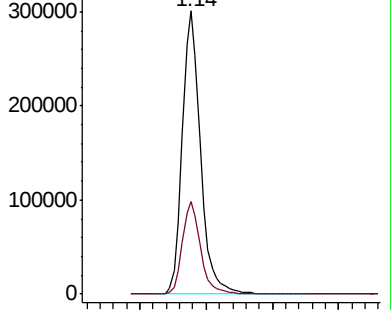
85 100

87 32.5 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VV013837.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV013837.D (-7) (-)



#3

Chloromethane

Concen: 46.992 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV013862.D

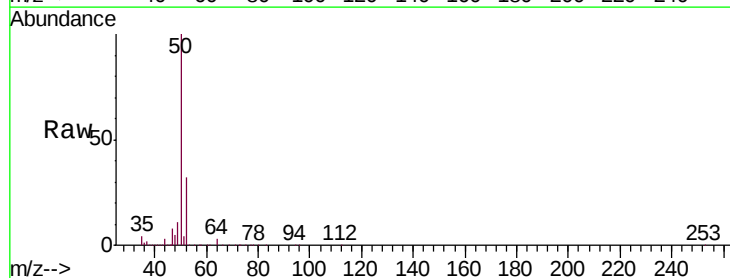
Acq: 29 Nov 2019 20:27

Tgt Ion: 50 Resp: 275456

Ion Ratio Lower Upper

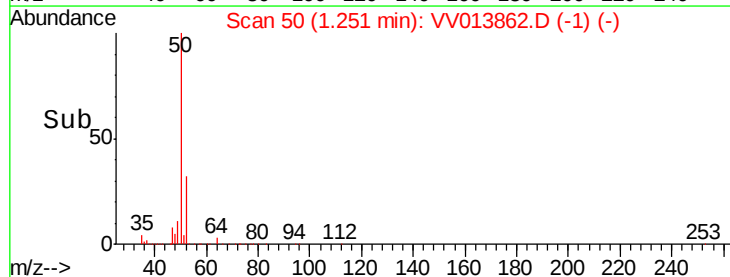
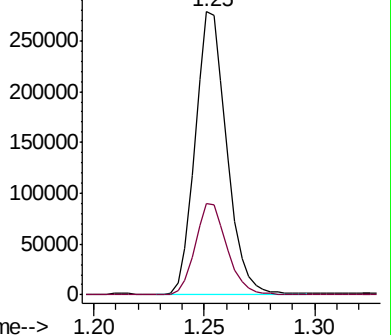
50 100

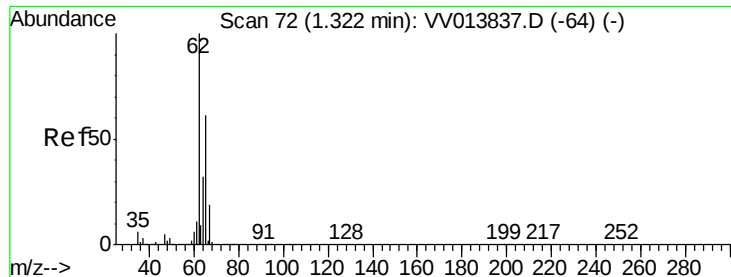
52 32.1 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VV013837.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV013837.D (-43) (-)





#5

Vinyl chloride

Concen: 50.929 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV013862.D

Acq: 29 Nov 2019 20:27

Instrument :

MSVOA_V

ClientSampleId :

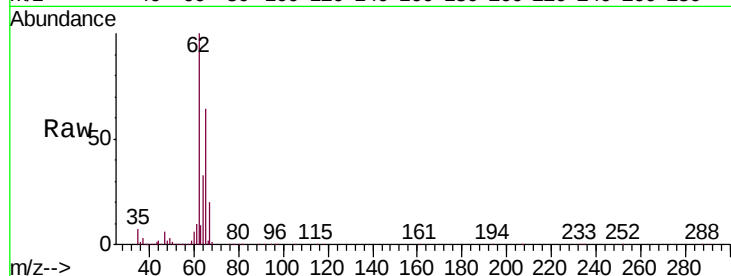
VSTD05095

Tgt Ion: 62 Resp: 278955

Ion Ratio Lower Upper

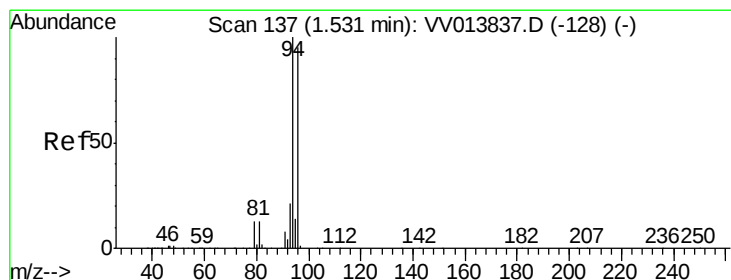
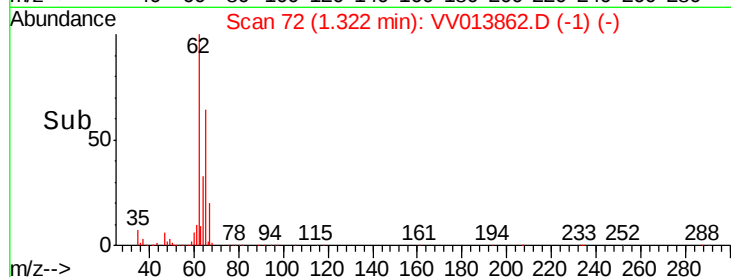
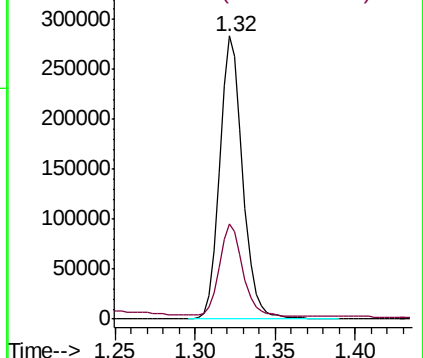
62 100

64 33.4 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 54.725 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV013862.D

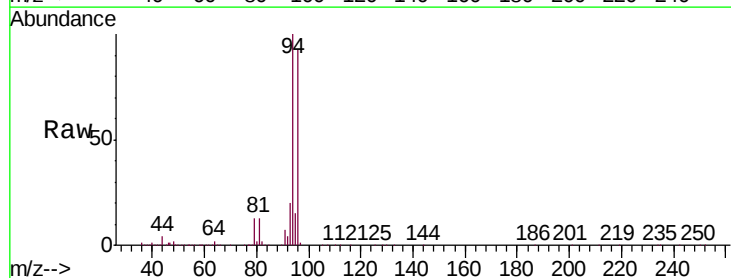
Acq: 29 Nov 2019 20:27

Tgt Ion: 94 Resp: 143799

Ion Ratio Lower Upper

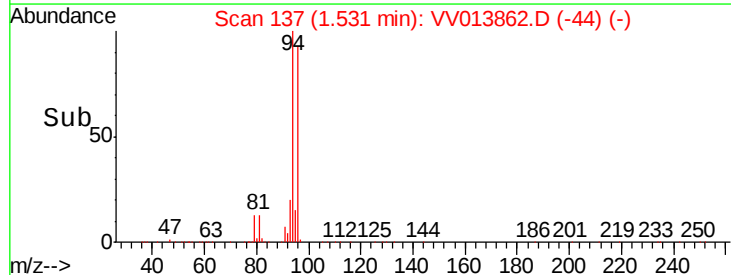
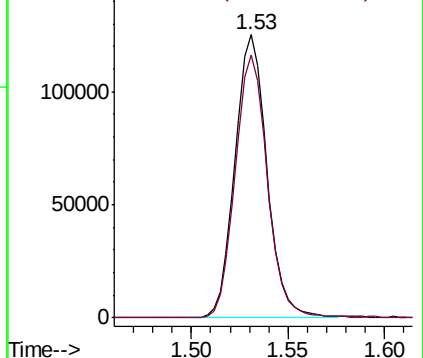
94 100

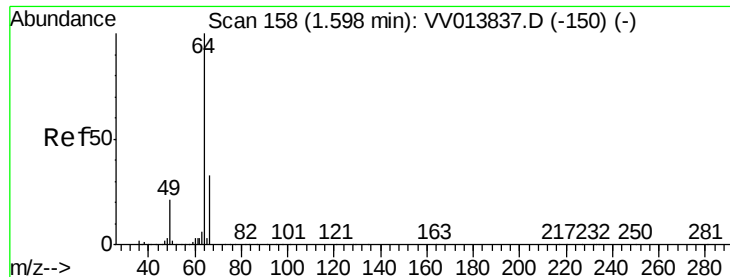
96 92.8 67.4 125.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 54.445 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV013862.D

Acq: 29 Nov 2019 20:27

Instrument :

MSVOA_V

ClientSampleId :

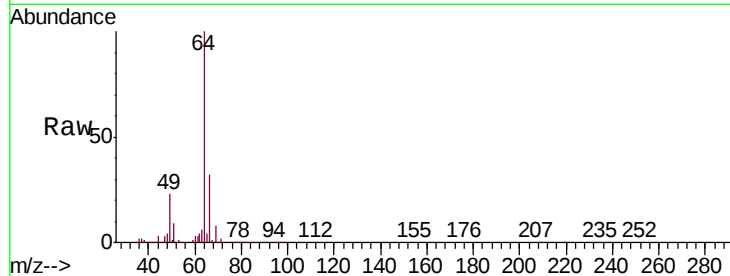
VSTD05095

Tgt Ion: 64 Resp: 167077

Ion Ratio Lower Upper

64 100

66 31.8 22.5 41.9



Abundance Ion 64.00 (63.70 to 64.70): VV013837.D (-150) (-)

Ion 66.00 (65.70 to 66.70): VV013837.D (-150) (-)

1.60

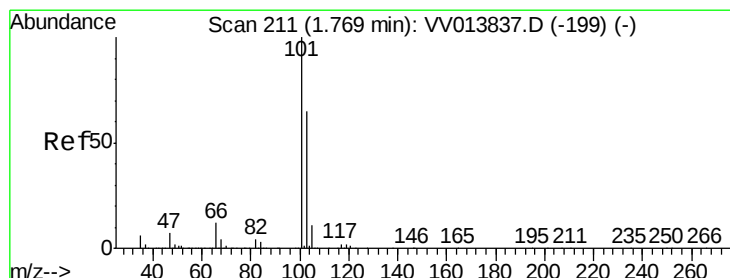
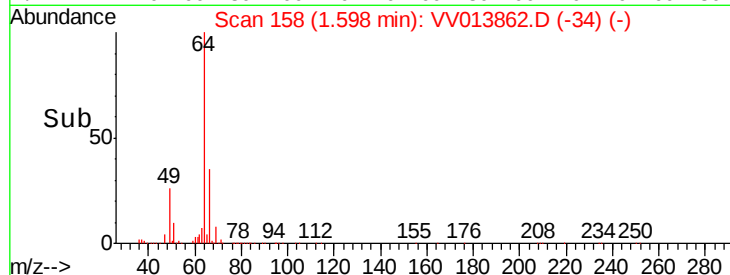
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 53.378 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV013862.D

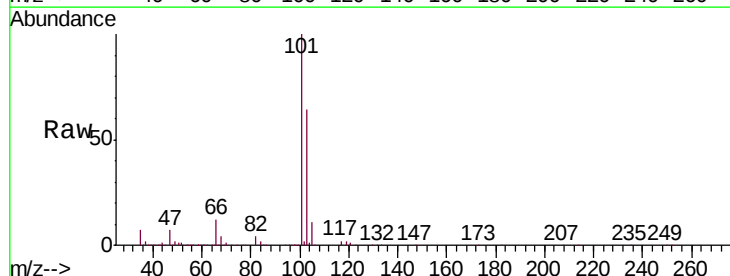
Acq: 29 Nov 2019 20:27

Tgt Ion: 101 Resp: 388103

Ion Ratio Lower Upper

101 100

103 64.9 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VV013837.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV013837.D (-199) (-)

1.77

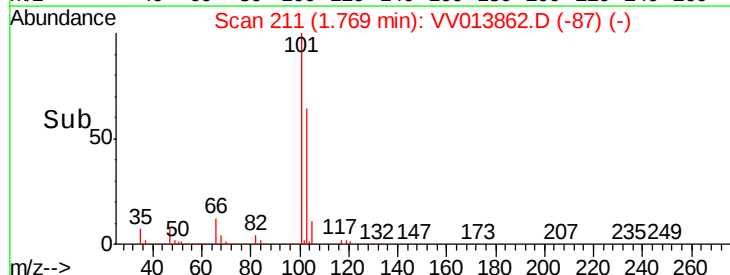
300000

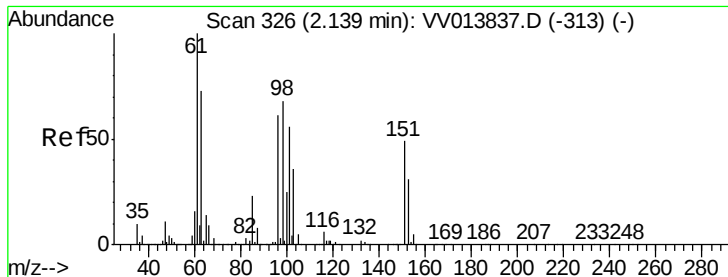
200000

100000

0

Time-->





#10

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

Concen: 51.789 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV013862.D

Acq: 29 Nov 2019 20:27

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ClientSampleId :

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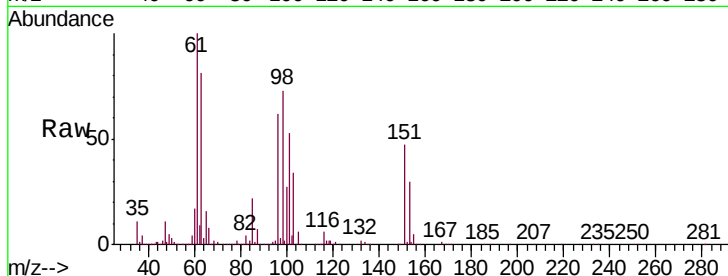
Tgt Ion:101 Resp: 212058

Ion Ratio Lower Upper

101 100

85 42.3 33.3 49.9

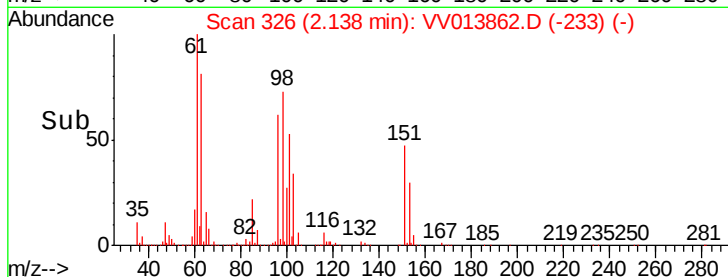
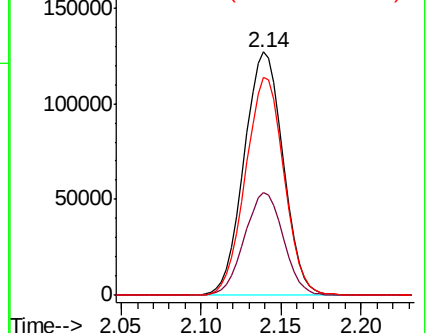
151 88.6 69.5 104.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 52.991 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV013862.D

Acq: 29 Nov 2019 20:27

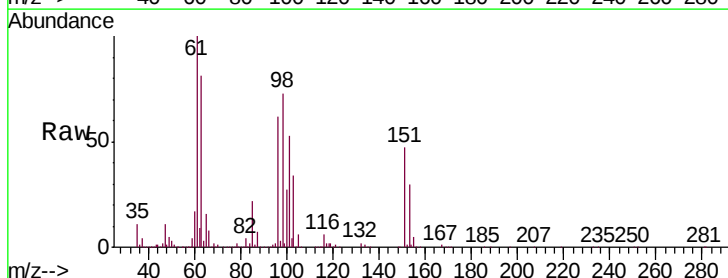
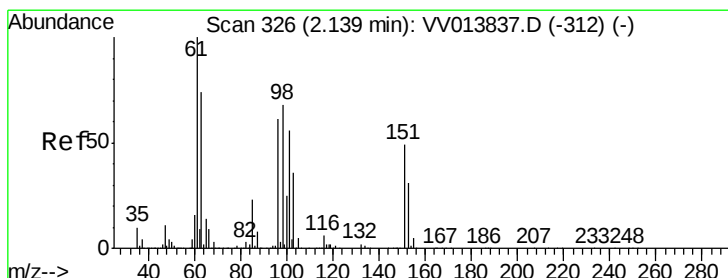
Tgt Ion: 96 Resp: 207116

Ion Ratio Lower Upper

96 100

61 162.4 116.9 217.1

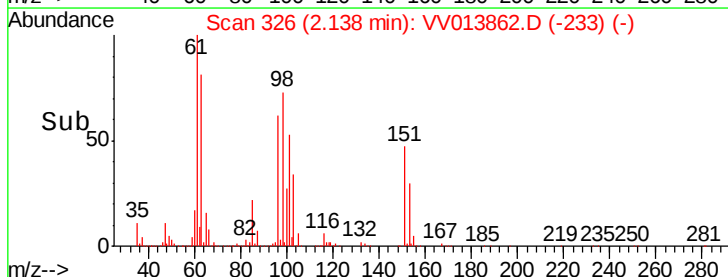
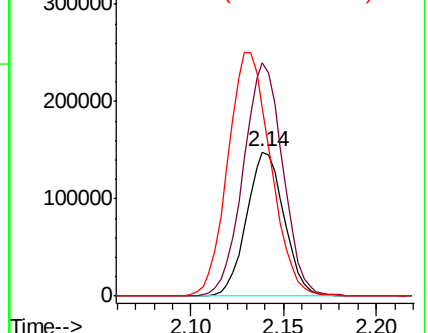
63 131.2 91.5 169.9

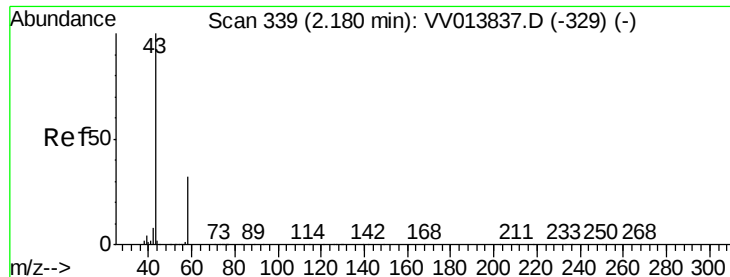


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 78.478 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

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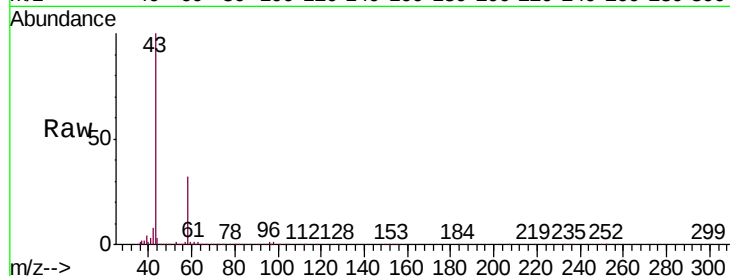
VSTD05095

Tgt Ion: 43 Resp: 235115

Ion Ratio Lower Upper

43 100

58 31.4 0.0 65.2



Abundance Ion 43.00 (42.70 to 43.70): VV013837.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV013837.D (-329) (-)

2.18

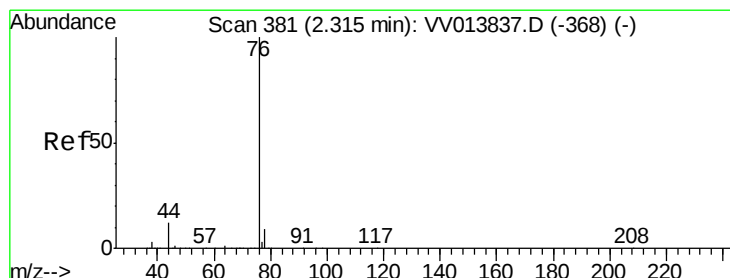
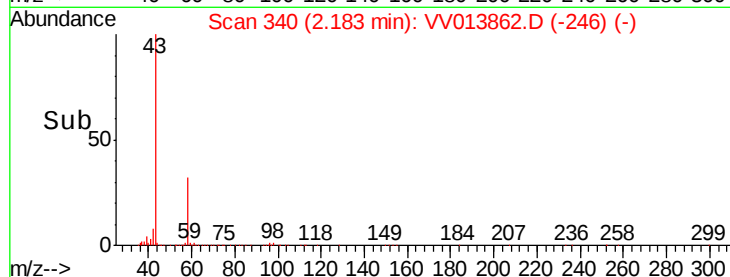
150000

100000

50000

0

Time--> 2.10 2.15 2.20 2.25



#14

Carbon disulfide

Concen: 45.233 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV013862.D

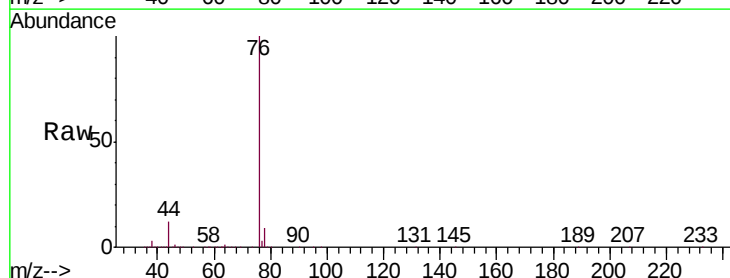
Acq: 29 Nov 2019 20:27

Tgt Ion: 76 Resp: 618716

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV013837.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV013837.D (-368) (-)

500000

400000

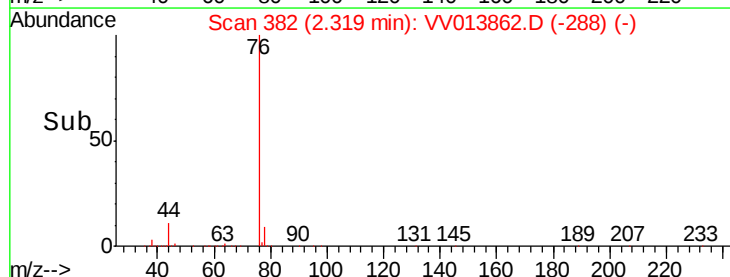
300000

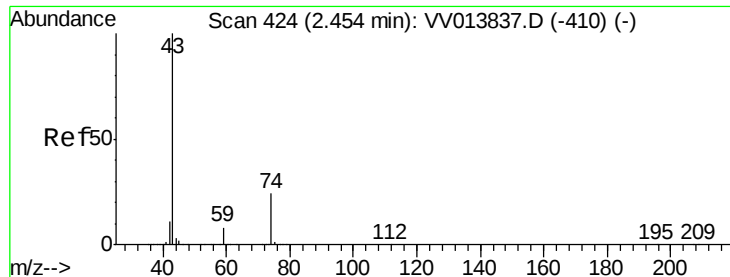
200000

100000

0

Time--> 2.30 2.40

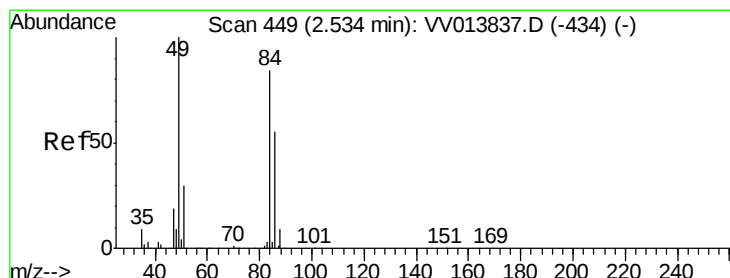
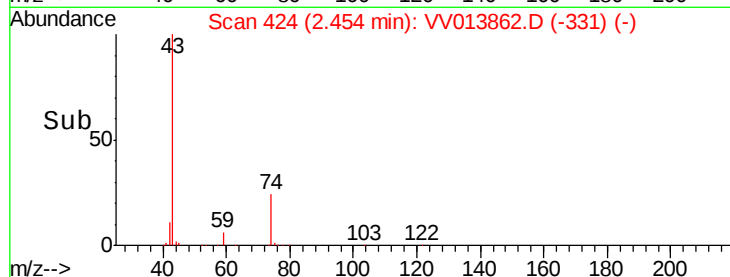
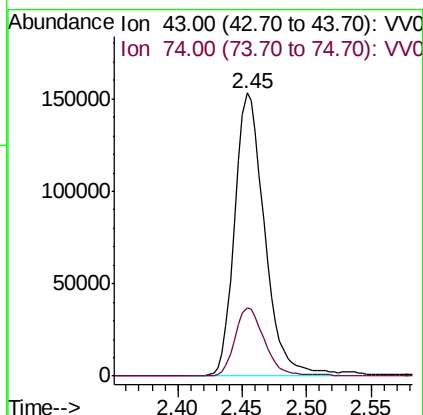
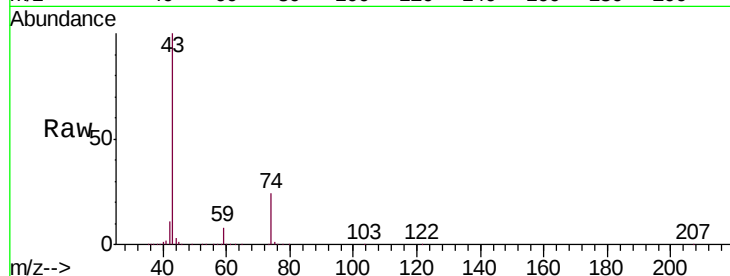




#15
Methyl Acetate
Concen: 45.062 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.00 min
Lab File: VV013862.D
Acq: 29 Nov 2019 20:27

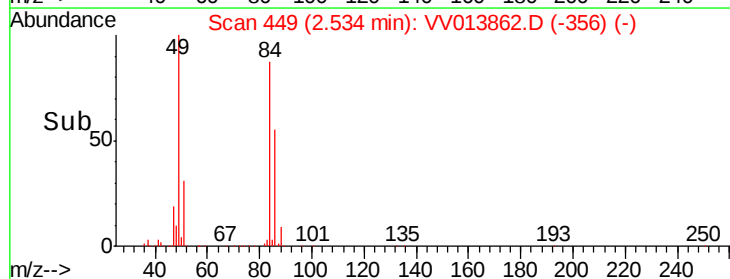
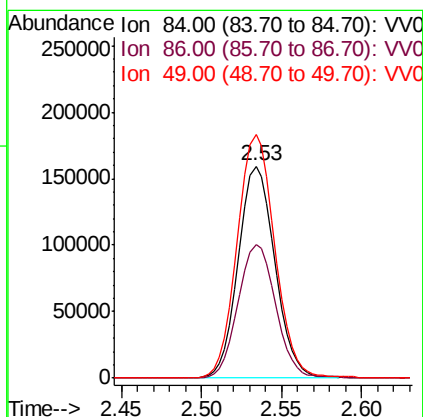
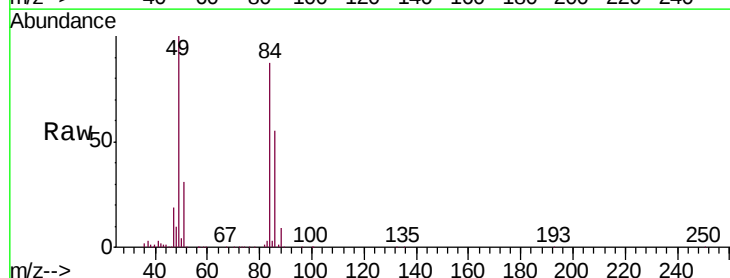
Instrument :
MSVOA_V
ClientSampleId :
VSTD05095

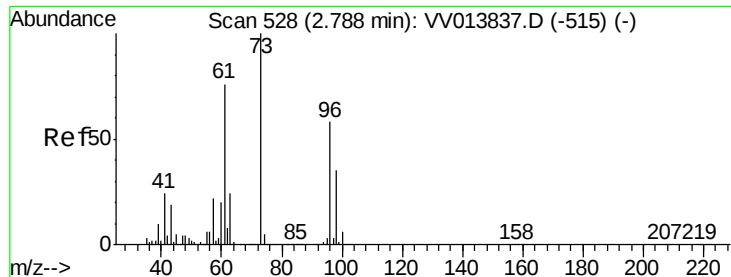
Tgt Ion: 43 Resp: 246303
Ion Ratio Lower Upper
43 100
74 24.2 17.7 26.5



#16
Methylene chloride
Concen: 47.065 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV013862.D
Acq: 29 Nov 2019 20:27

Tgt Ion: 84 Resp: 248973
Ion Ratio Lower Upper
84 100
86 63.1 44.7 83.1
49 114.7 89.2 165.8





#17

trans-1,2-Dichloroethene

Concen: 48.912 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV013862.D

Acq: 29 Nov 2019 20:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD05095

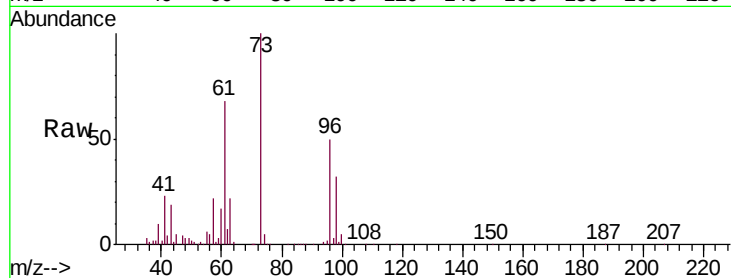
Tgt Ion: 96 Resp: 238050

Ion Ratio Lower Upper

96 100

61 135.2 100.4 186.6

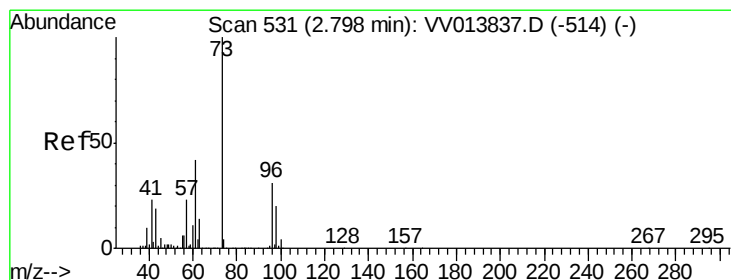
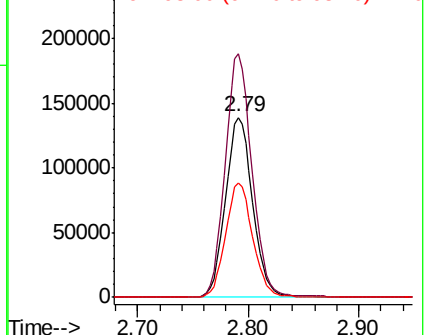
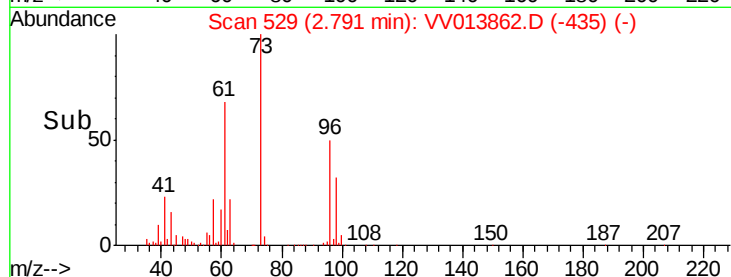
98 63.7 44.7 83.1



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



#18

Methyl tert-butyl Ether

Concen: 47.559 ug/L

RT: 2.80 min Scan# 532

Delta R.T. 0.00 min

Lab File: VV013862.D

Acq: 29 Nov 2019 20:27

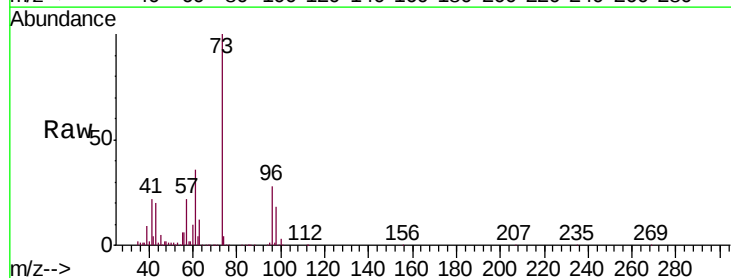
Tgt Ion: 73 Resp: 705800

Ion Ratio Lower Upper

73 100

43 18.9 15.7 23.5

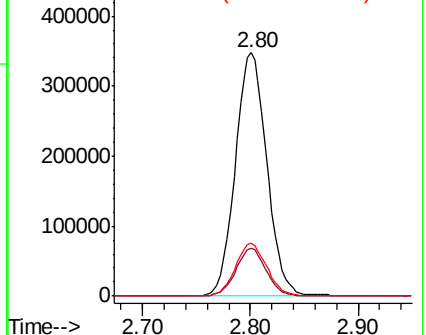
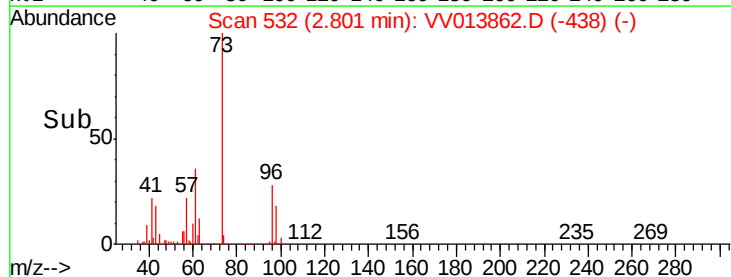
57 21.7 18.1 27.1

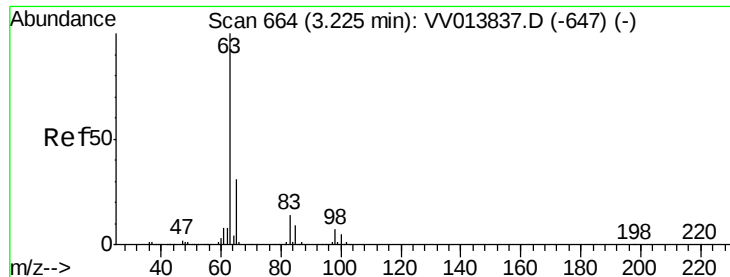


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 46.263 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV013862.D

Acq: 29 Nov 2019 20:27

Instrument :

MSVOA_V

ClientSampled :

VSTD05095

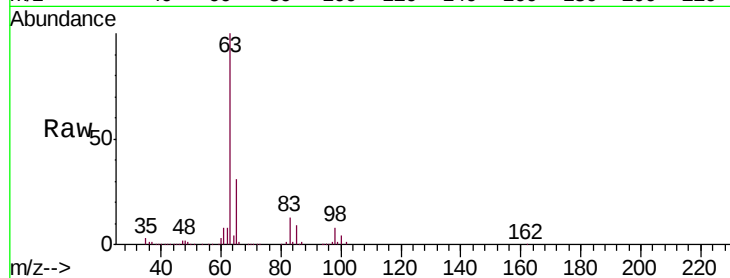
Tgt Ion: 63 Resp: 429343

Ion Ratio Lower Upper

63 100

65 31.1 22.2 41.2

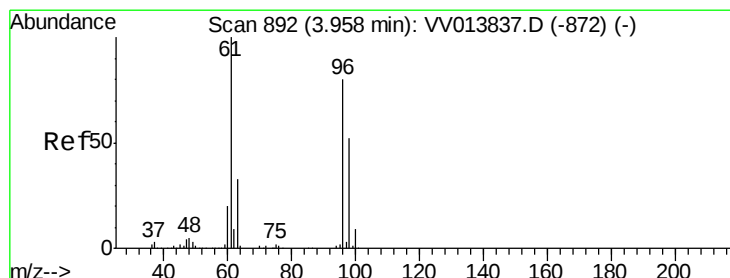
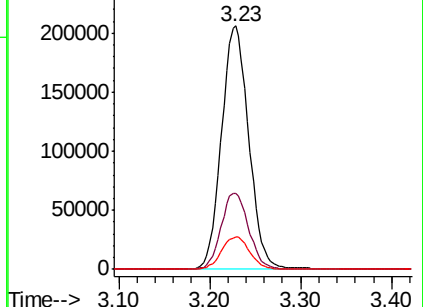
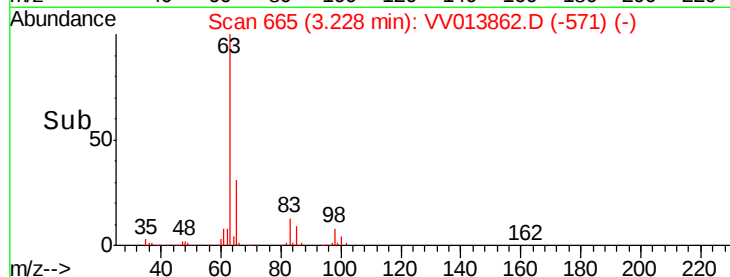
83 13.4 8.9 16.5



Abundance Ion 63.00 (62.70 to 63.70): VV013837.D (-647) (-)

Ion 65.00 (64.70 to 65.70): VV013837.D (-647) (-)

Ion 83.00 (82.70 to 83.70): VV013837.D (-647) (-)



#20

cis-1,2-Dichloroethene

Concen: 48.619 ug/L

RT: 3.96 min Scan# 892

Delta R.T. -0.00 min

Lab File: VV013862.D

Acq: 29 Nov 2019 20:27

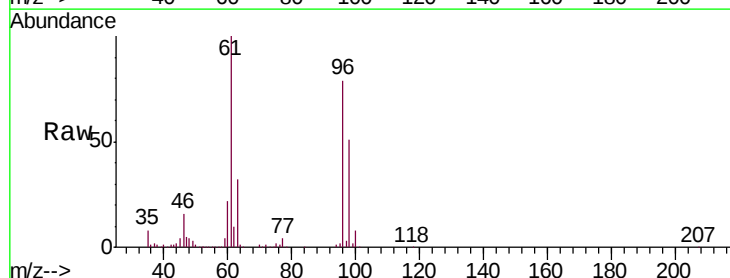
Tgt Ion: 96 Resp: 258360

Ion Ratio Lower Upper

96 100

61 127.0 92.1 171.1

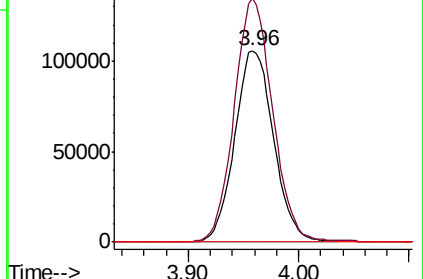
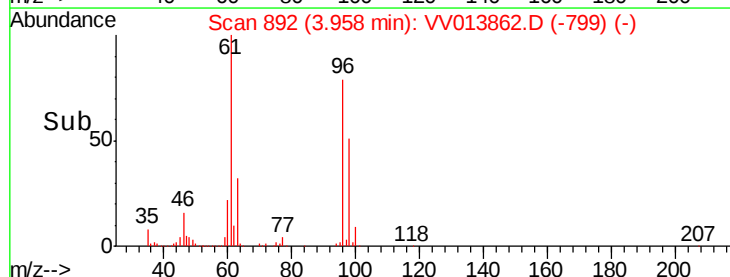
68 0.0 0.0 0.0

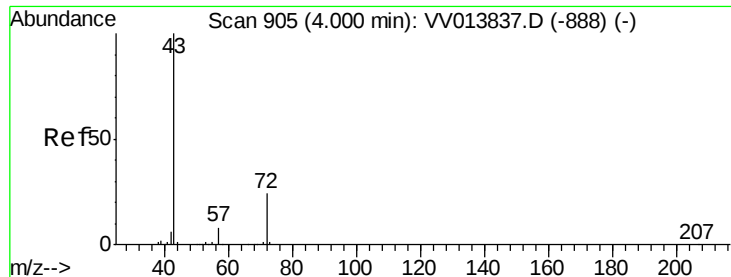


Abundance Ion 96.00 (95.70 to 96.70): VV013837.D (-872) (-)

Ion 61.00 (60.70 to 61.70): VV013837.D (-872) (-)

Ion 68.00 (67.70 to 68.70): VV013837.D (-872) (-)





#22

2-Butanone

Concen: 89.804 ug/L

RT: 4.00 min Scan# 906

Delta R.T. 0.00 min

Lab File: VV013862.D

Acq: 29 Nov 2019 20:27

Instrument :

MSVOA_V

ClientSampleId :

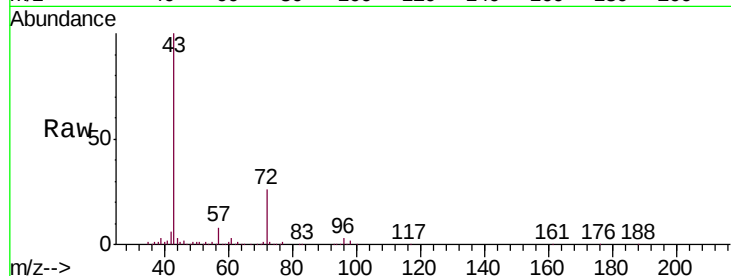
VSTD05095

Tgt Ion: 43 Resp: 356387

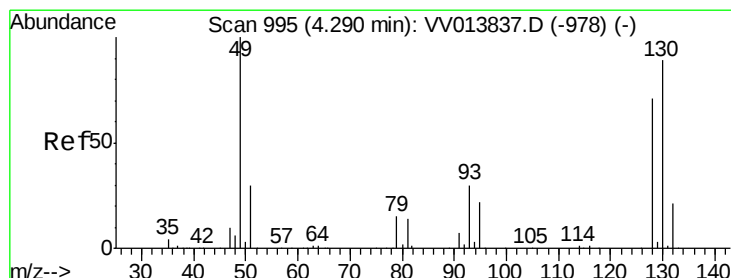
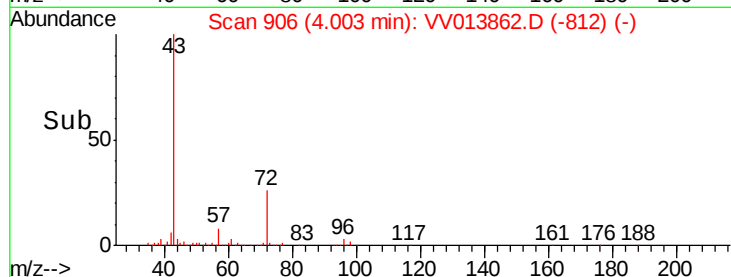
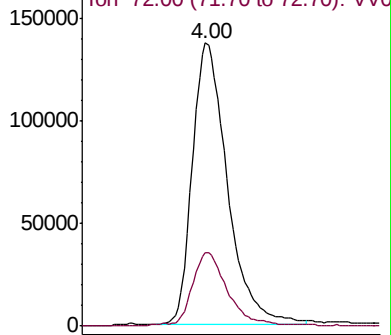
Ion Ratio Lower Upper

43 100

72 24.9 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VV013837.D (-888) (-)



#23

Bromochloromethane

Concen: 49.383 ug/L

RT: 4.30 min Scan# 997

Delta R.T. 0.01 min

Lab File: VV013862.D

Acq: 29 Nov 2019 20:27

Tgt Ion: 128 Resp: 138703

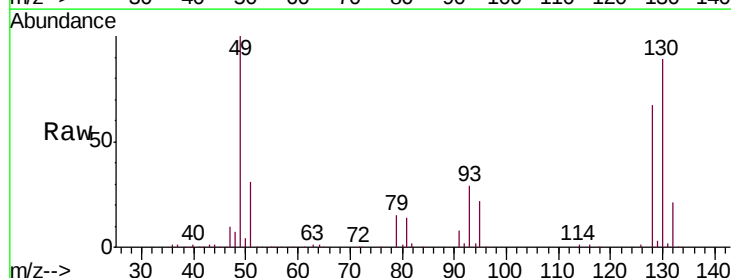
Ion Ratio Lower Upper

128 100

49 148.8 115.8 215.2

130 133.0 89.1 165.5

51 45.4 40.0 60.0

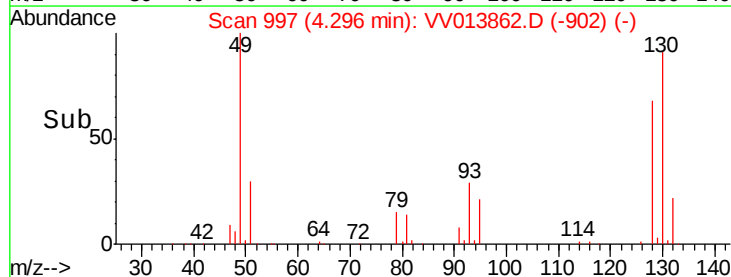
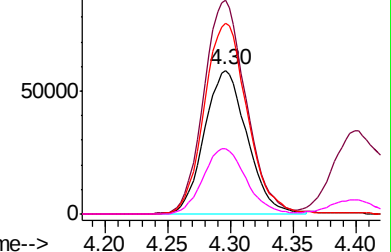


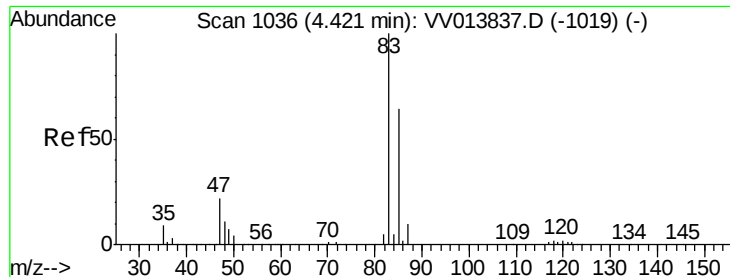
Abundance Ion 128.00 (127.70 to 128.70): VV013837.D (-978) (-)

Ion 49.00 (48.70 to 49.70): VV013837.D (-978) (-)

Ion 130.00 (129.70 to 130.70): VV013837.D (-978) (-)

Ion 51.00 (50.70 to 51.70): VV013837.D (-978) (-)





#25

Chloroform

Concen: 49.284 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VV013862.D

Acq: 29 Nov 2019 20:27

Instrument :

MSVOA_V

ClientSampleId :

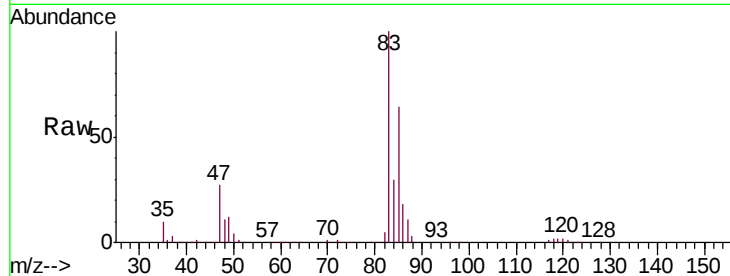
VSTD05095

Tgt Ion: 83 Resp: 470580

Ion Ratio Lower Upper

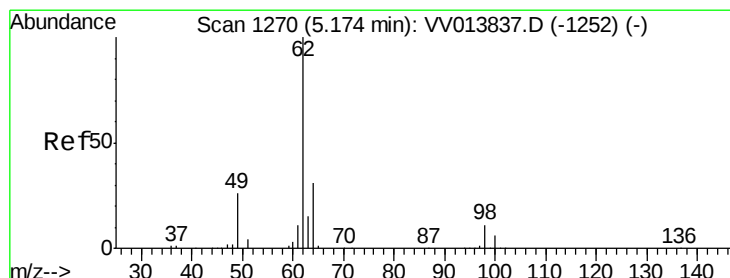
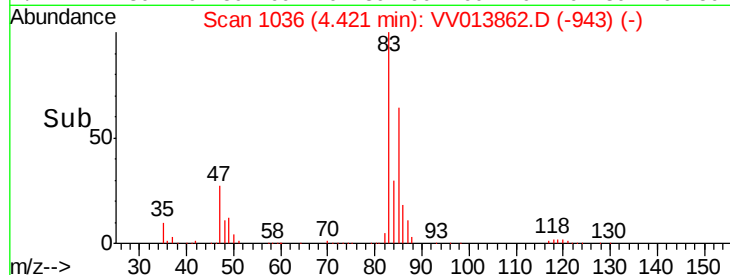
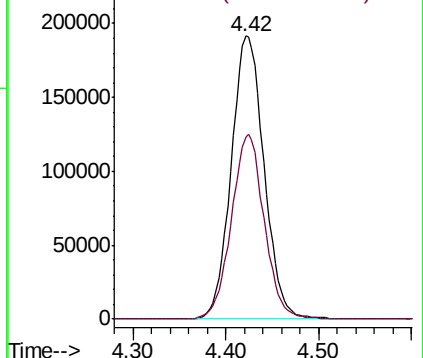
83 100

85 64.2 44.4 82.5



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#27

1,2-Dichloroethane

Concen: 46.566 ug/L

RT: 5.17 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VV013862.D

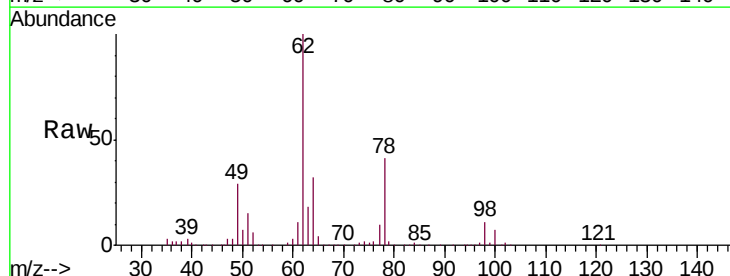
Acq: 29 Nov 2019 20:27

Tgt Ion: 62 Resp: 340724

Ion Ratio Lower Upper

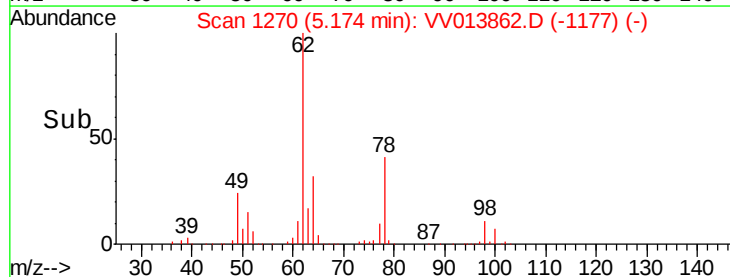
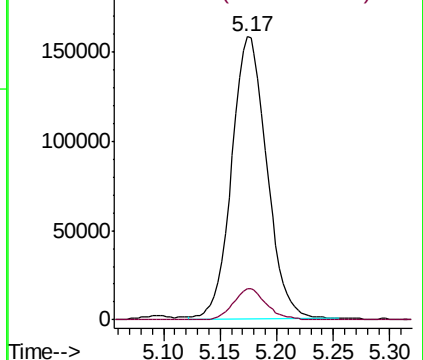
62 100

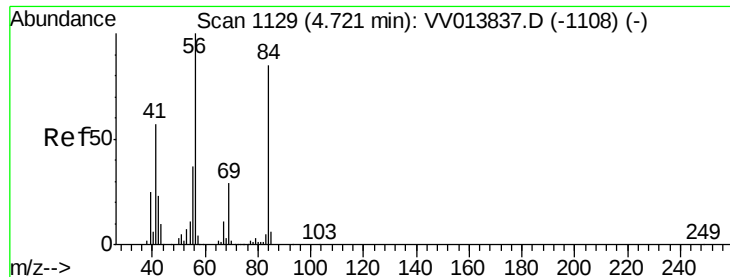
98 11.1 8.2 12.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

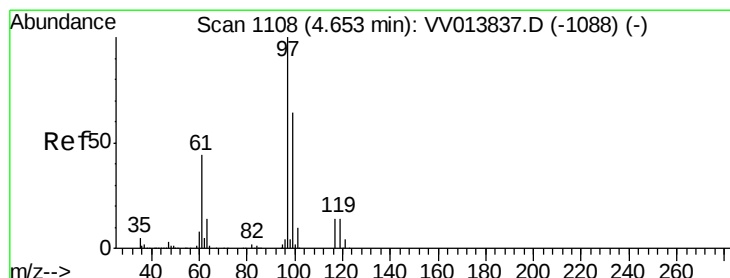
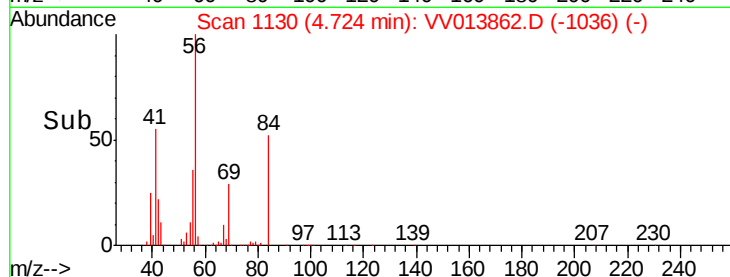
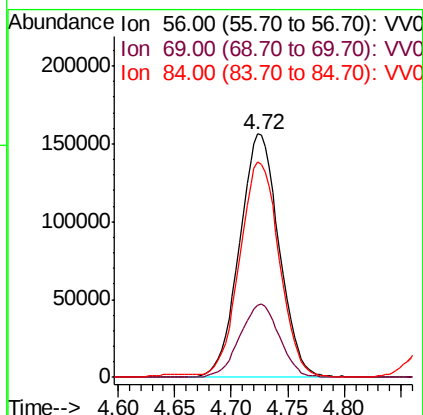
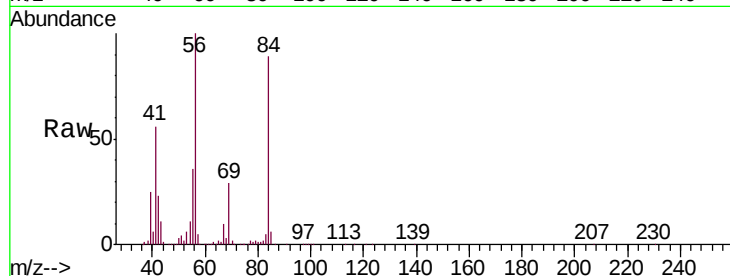




#29
Cyclohexane
Concen: 45.600 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV013862.D
Acq: 29 Nov 2019 20:27

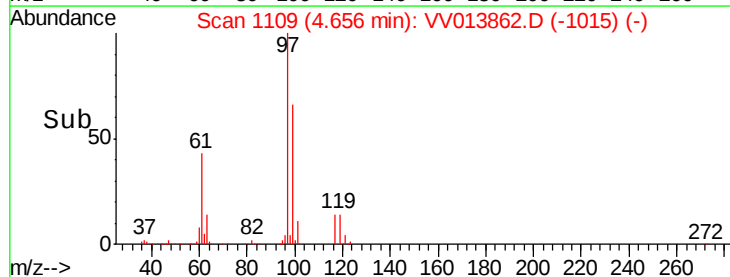
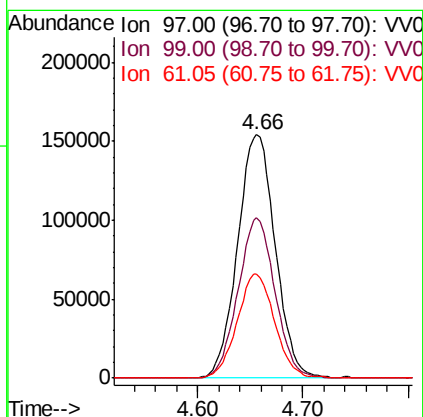
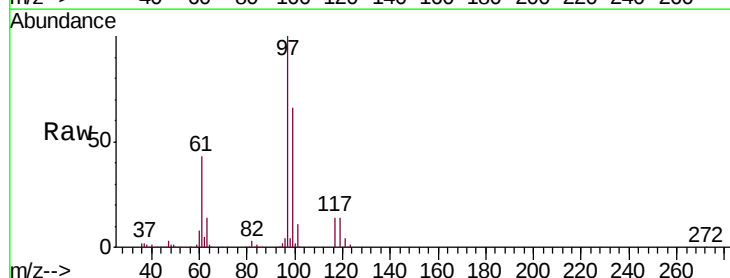
Instrument :
MSVOA_V
ClientSampleId :
VSTD05095

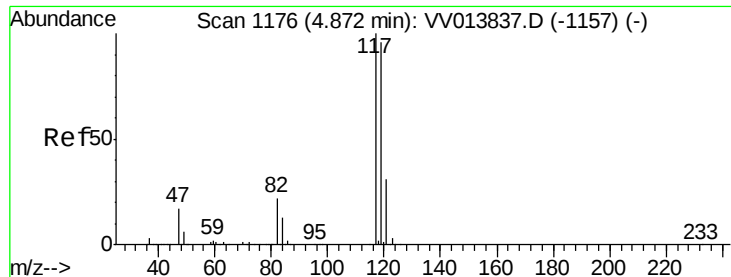
Tgt Ion: 56 Resp: 379225
Ion Ratio Lower Upper
56 100
69 30.2 23.7 35.5
84 88.7 66.3 99.5



#30
1,1,1-Trichloroethane
Concen: 47.549 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VV013862.D
Acq: 29 Nov 2019 20:27

Tgt Ion: 97 Resp: 383094
Ion Ratio Lower Upper
97 100
99 64.6 52.0 78.0
61 42.4 35.8 53.8





#31

Carbon tetrachloride

Concen: 49.056 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV013862.D

Acq: 29 Nov 2019 20:27

Instrument :

MSVOA_V

ClientSampleId :

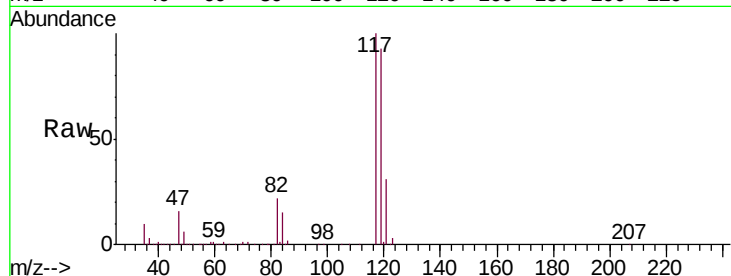
VSTD05095

Tgt Ion:117 Resp: 352439

Ion Ratio Lower Upper

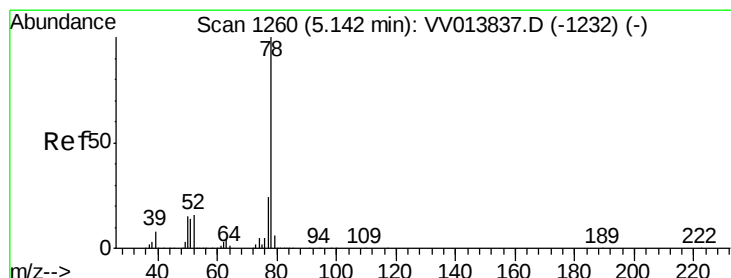
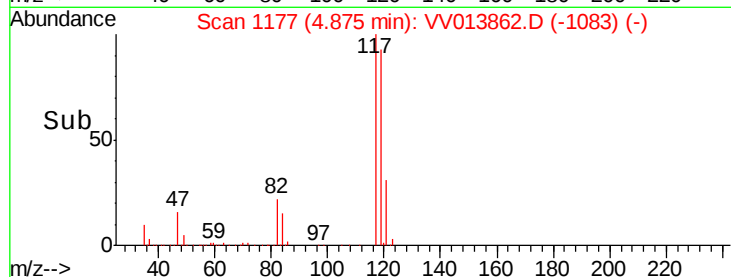
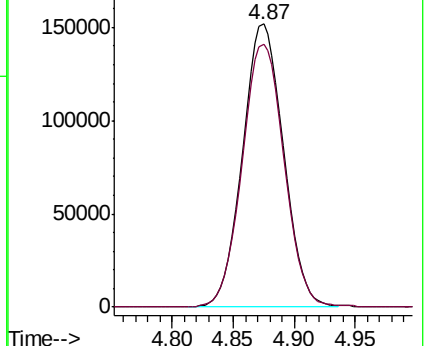
117 100

119 95.4 77.6 116.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 48.259 ug/L

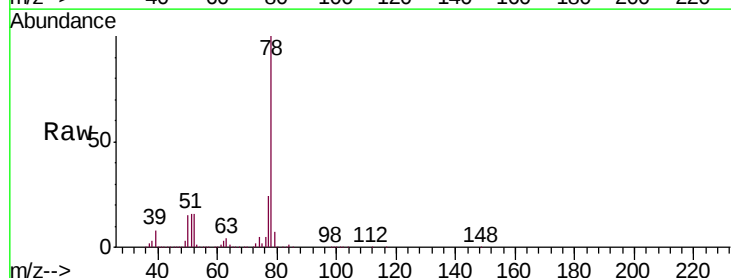
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

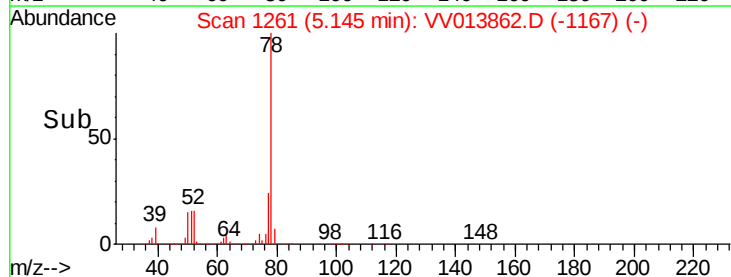
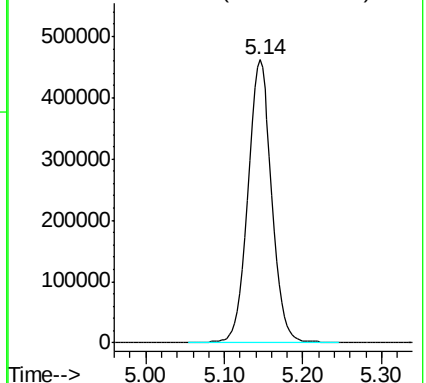
Lab File: VV013862.D

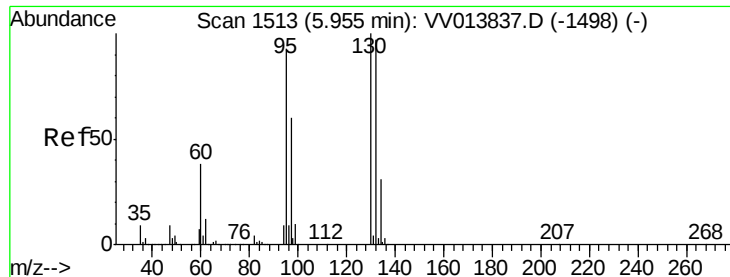
Acq: 29 Nov 2019 20:27

Tgt Ion: 78 Resp: 991909



Abundance Ion 78.00 (77.70 to 78.70): VV0

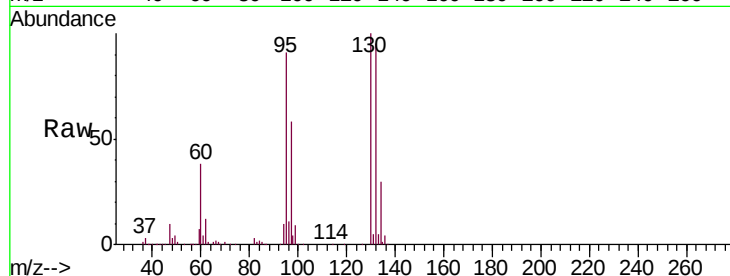




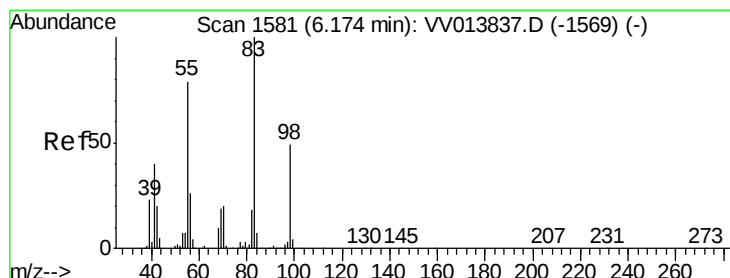
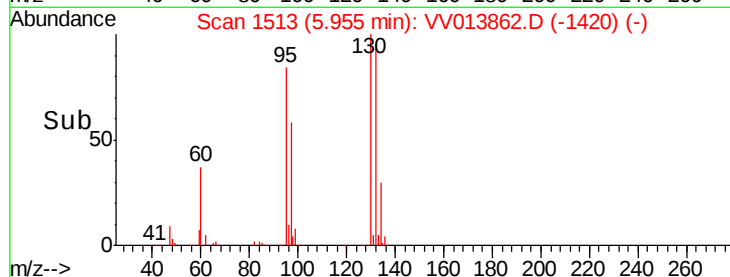
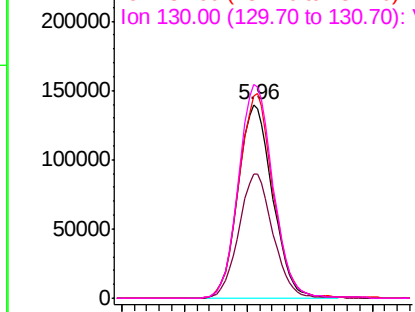
#34
 Trichloroethene
 Concen: 49.174 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VV013862.D
 Acq: 29 Nov 2019 20:27

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05095

Tgt Ion	Ratio	Lower	Upper
95	100		
97	64.2	45.1	83.7
132	104.5	71.7	133.1
130	110.3	73.8	137.2

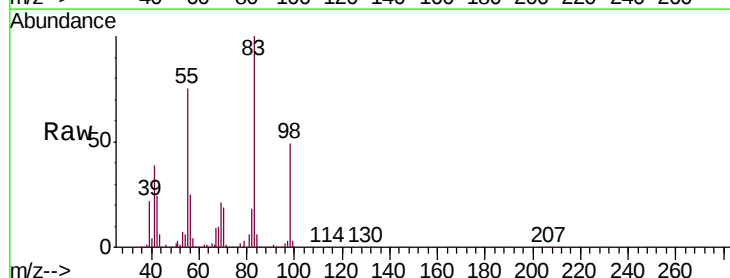


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

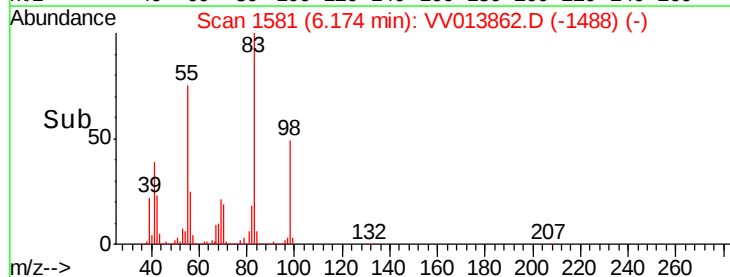
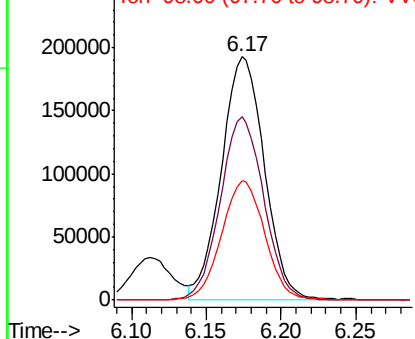


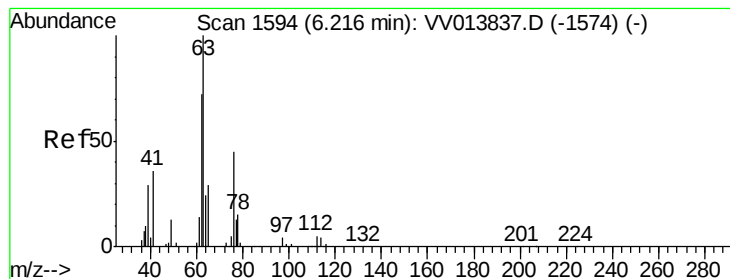
#35
 Methylcyclohexane
 Concen: 45.510 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV013862.D
 Acq: 29 Nov 2019 20:27

Tgt Ion	Ratio	Lower	Upper
83	100		
55	77.1	63.4	95.0
98	50.1	38.6	58.0



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: 46.561 ug/L

RT: 6.22 min Scan# 1594

Delta R.T. -0.00 min

Lab File: VV013862.D

Acq: 29 Nov 2019 20:27

Instrument :

MSVOA_V

ClientSampleId :

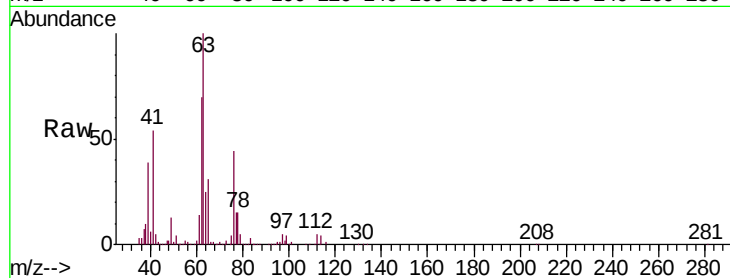
VSTD05095

Tgt Ion: 63 Resp: 251900

Ion Ratio Lower Upper

63 100

112 5.0 3.9 5.9



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V

150000

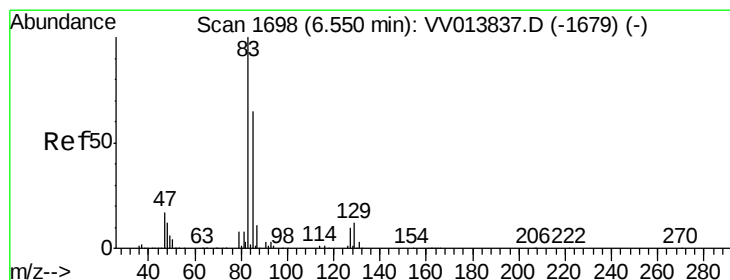
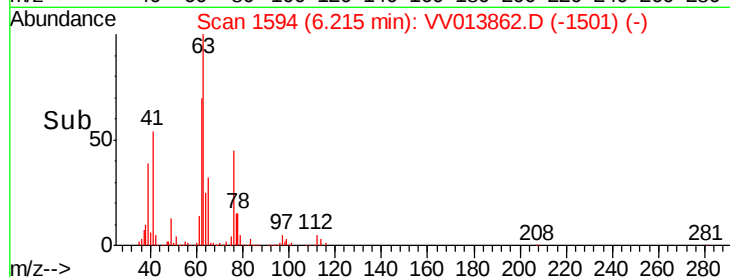
100000

50000

0

6.10 6.20 6.30

Time-->



#38

Bromodichloromethane

Concen: 47.185 ug/L

RT: 6.55 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VV013862.D

Acq: 29 Nov 2019 20:27

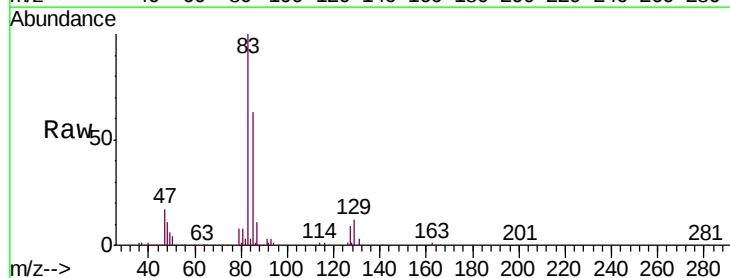
Tgt Ion: 83 Resp: 335723

Ion Ratio Lower Upper

83 100

85 63.4 44.8 83.2

127 8.8 7.1 10.7



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 127.00 (126.70 to 127.70): V

250000

200000

150000

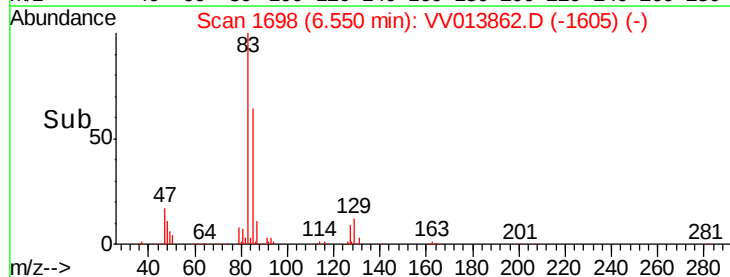
100000

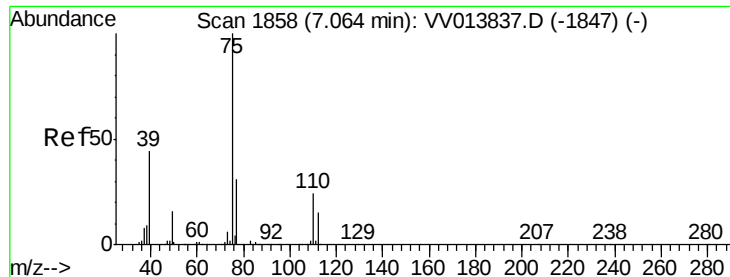
50000

0

6.50 6.55 6.60

Time-->





#39

cis-1,3-Dichloropropene

Concen: 46.934 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VV013862.D

Acq: 29 Nov 2019 20:27

Instrument :

MSVOA_V

ClientSampleId :

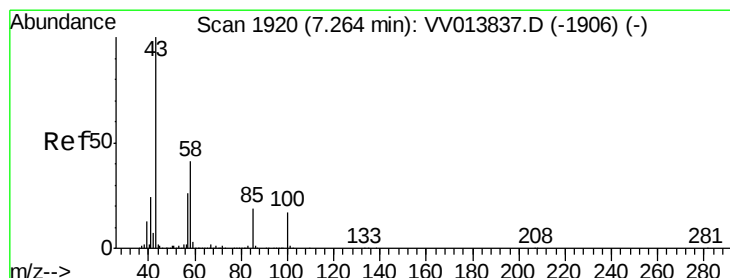
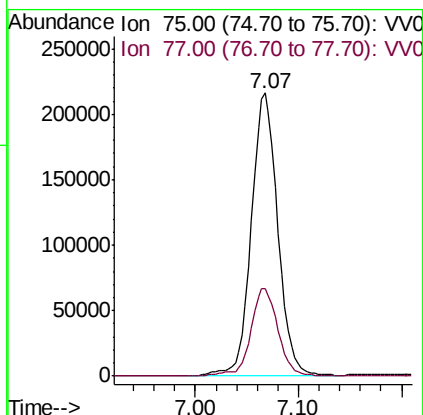
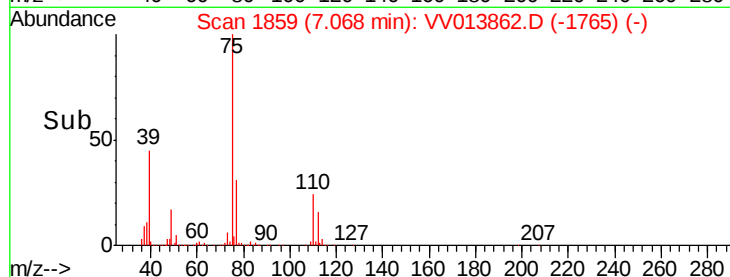
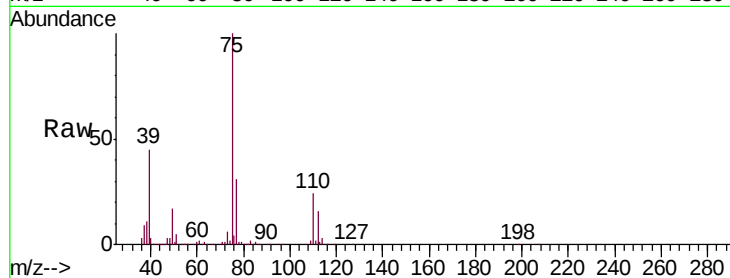
VSTD05095

Tgt Ion: 75 Resp: 385716

Ion Ratio Lower Upper

75 100

77 30.8 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 96.064 ug/L

RT: 7.26 min Scan# 1920

Delta R.T. -0.00 min

Lab File: VV013862.D

Acq: 29 Nov 2019 20:27

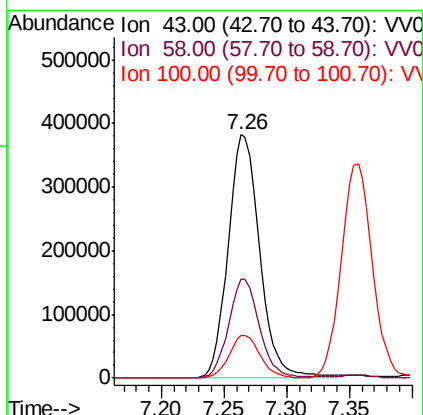
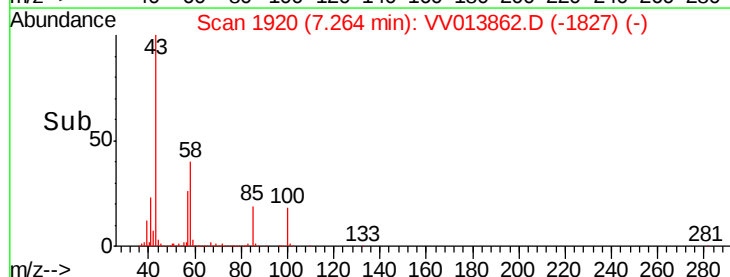
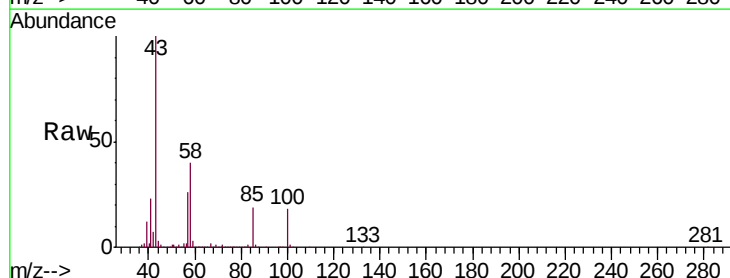
Tgt Ion: 43 Resp: 669961

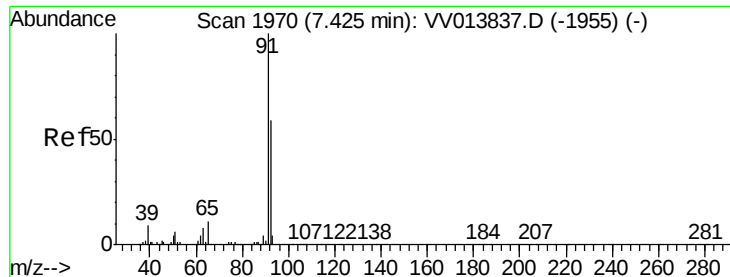
Ion Ratio Lower Upper

43 100

58 39.9 31.0 46.4

100 17.3 12.2 18.2





#42

Toluene

Concen: 50.279 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013862.D

Acq: 29 Nov 2019 20:27

Instrument :

MSVOA_V

ClientSampleId :

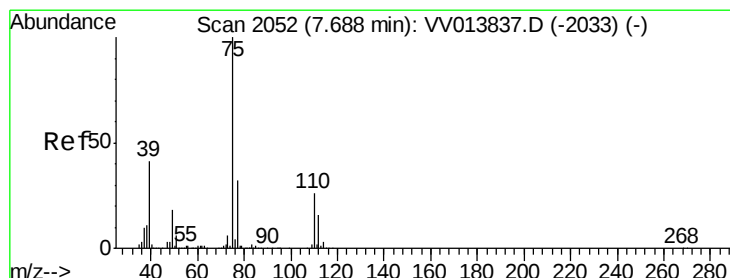
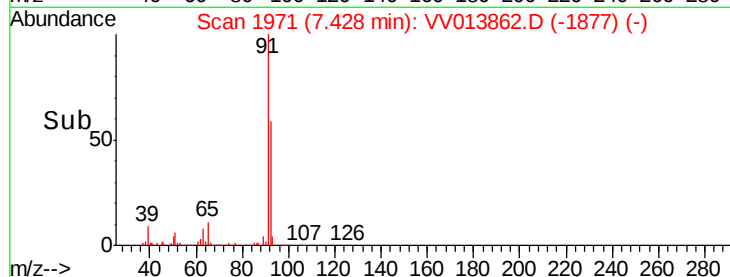
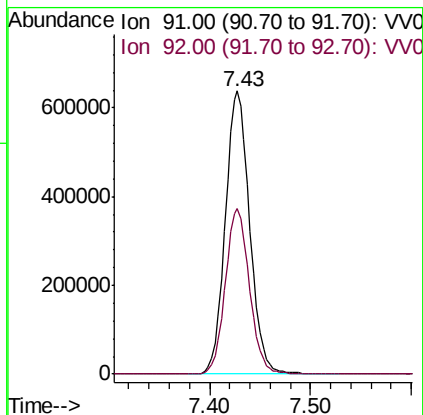
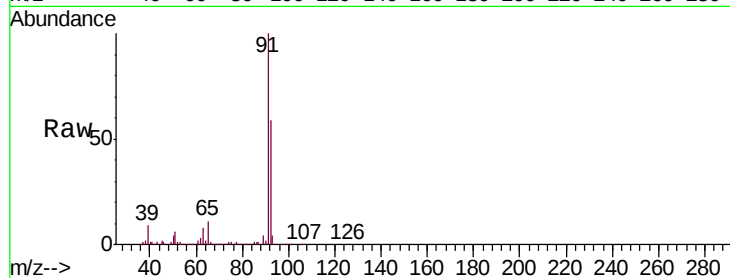
VSTD05095

Tgt Ion: 91 Resp: 1076931

Ion Ratio Lower Upper

91 100

92 58.6 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 47.534 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV013862.D

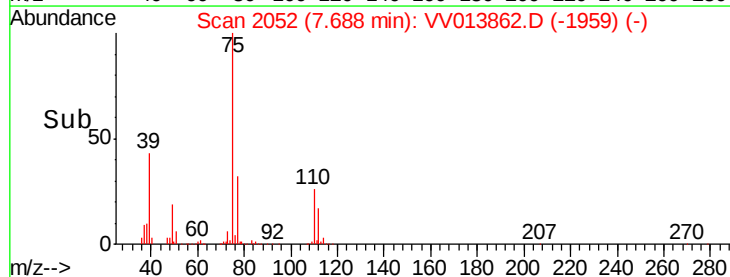
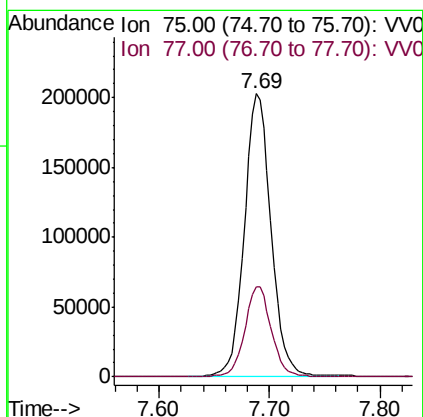
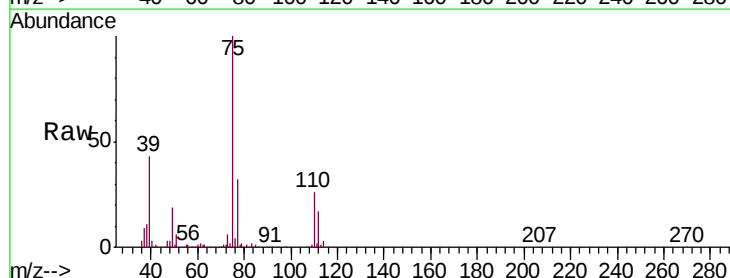
Acq: 29 Nov 2019 20:27

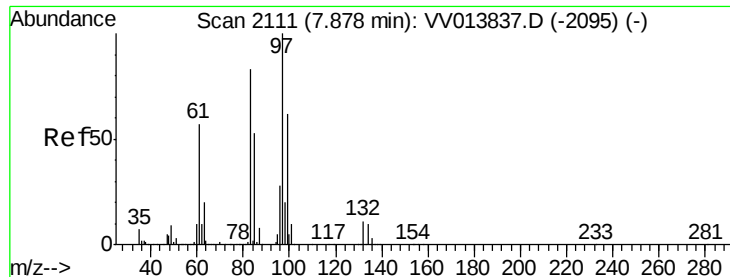
Tgt Ion: 75 Resp: 339958

Ion Ratio Lower Upper

75 100

77 32.0 22.0 41.0

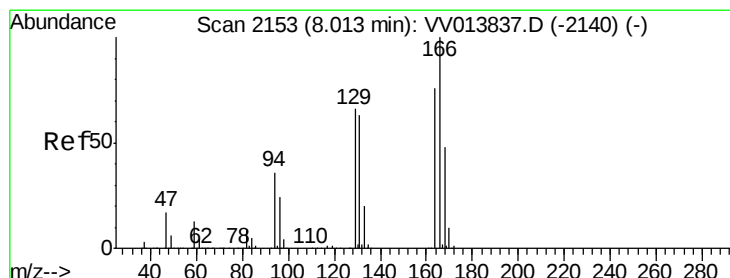
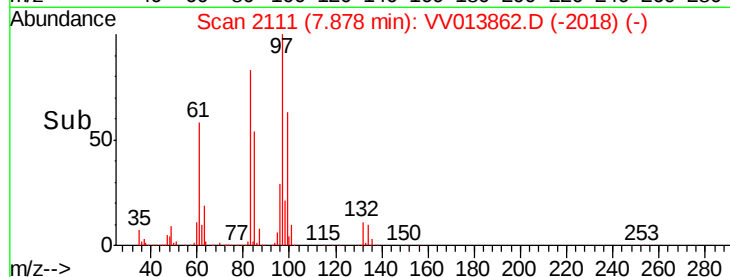
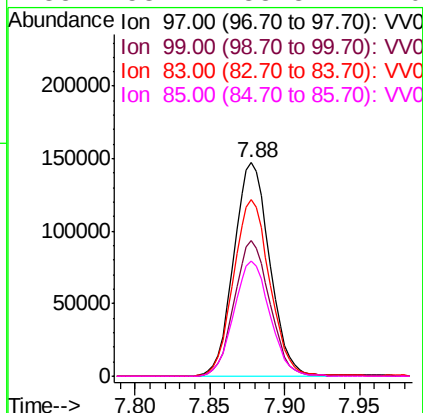
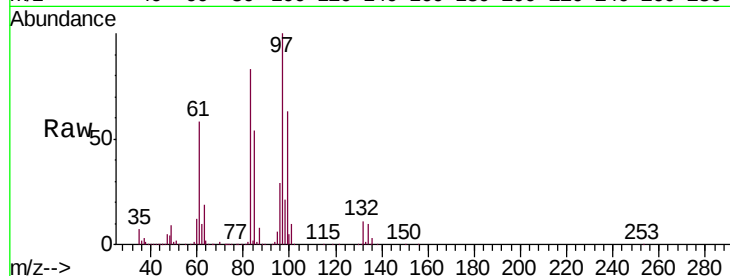




#45
1,1,2-Trichloroethane
Concen: 48.851 ug/L
RT: 7.88 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VV013862.D
Acq: 29 Nov 2019 20:27

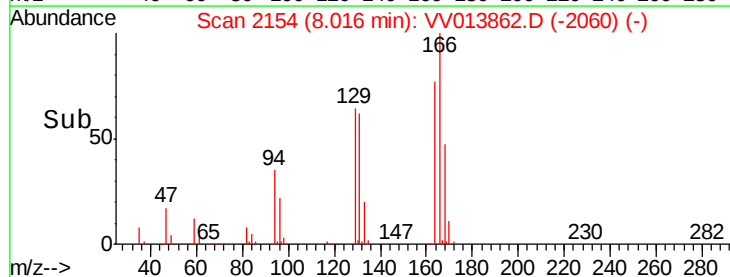
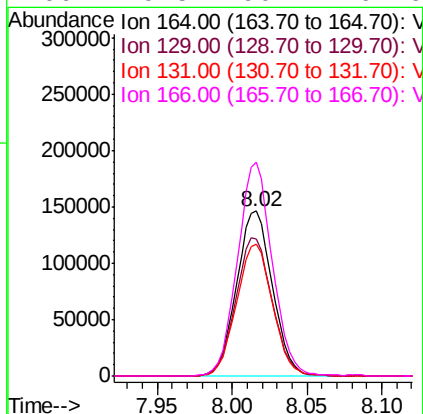
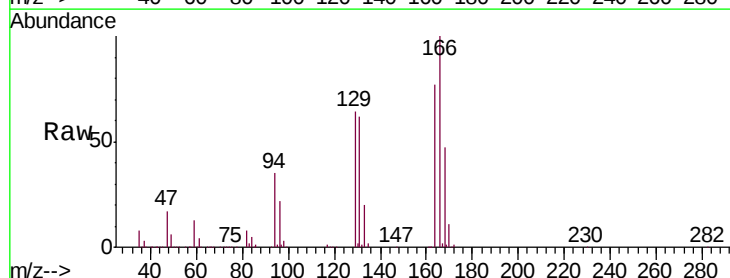
Instrument :
MSVOA_V
ClientSampleId :
VSTD05095

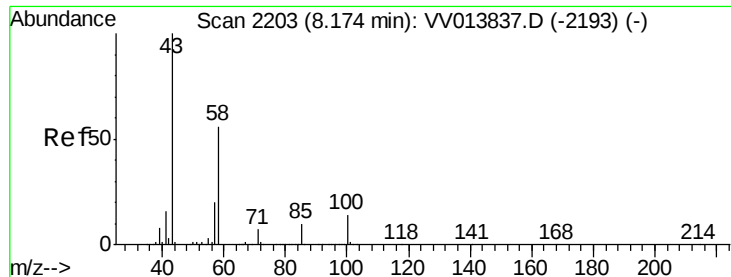
Tgt Ion:	97	Resp:	247479
Ion	Ratio	Lower	Upper
97	100		
99	63.3	43.8	81.4
83	82.6	59.1	109.9
85	53.7	38.8	72.0



#46
Tetrachloroethene
Concen: 52.379 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV013862.D
Acq: 29 Nov 2019 20:27

Tgt Ion:	164	Resp:	244165
Ion	Ratio	Lower	Upper
164	100		
129	83.1	61.5	114.3
131	80.0	60.6	112.6
166	129.5	90.2	167.6

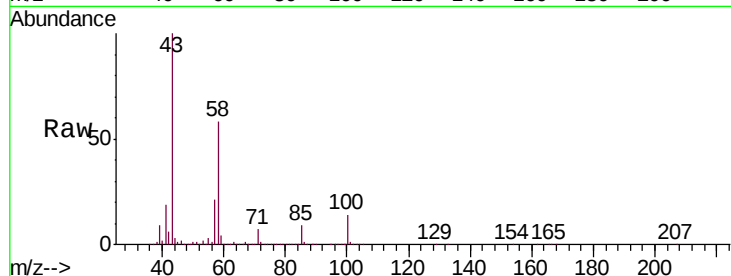




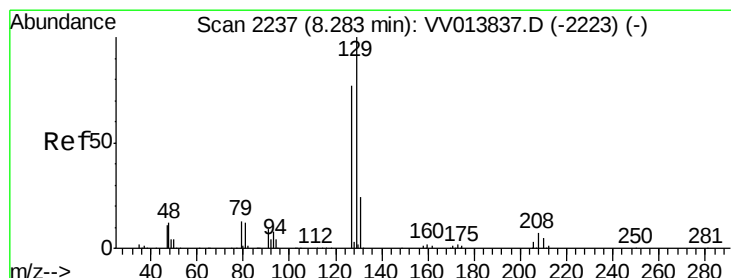
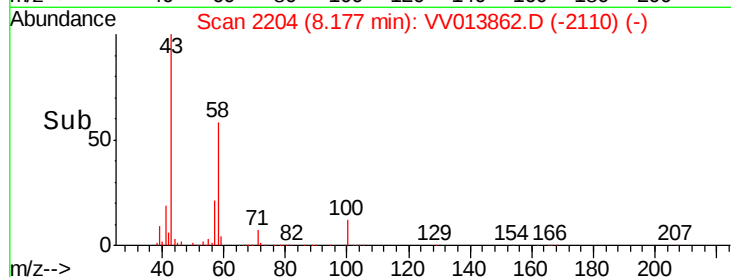
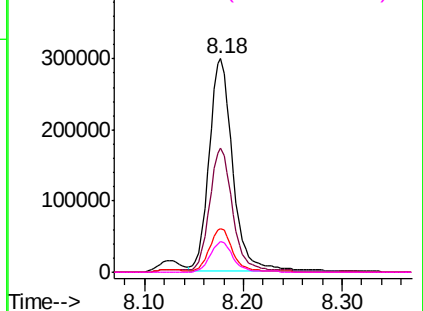
#48
2-Hexanone
Concen: 90.483 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VV013862.D
Acq: 29 Nov 2019 20:27

Instrument :
MSVOA_V
ClientSampleId :
VSTD05095

Tgt Ion: 43 Resp: 498343
Ion Ratio Lower Upper
43 100
58 57.8 43.4 65.0
57 19.1 15.2 22.8
100 14.2 9.9 14.9

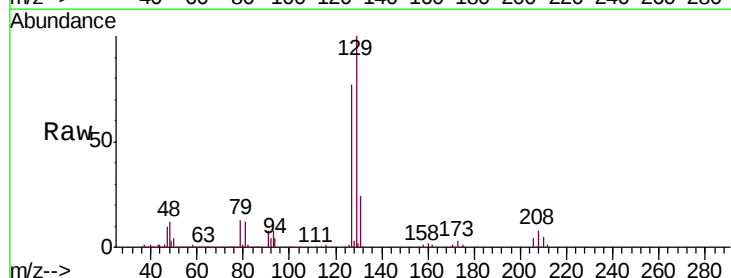


Abundance Ion 43.00 (42.70 to 43.70): VV013837.D (-2193) (-)
Ion 58.00 (57.70 to 58.70): VV013837.D (-2193) (-)
Ion 57.00 (56.70 to 57.70): VV013837.D (-2193) (-)
Ion 100.00 (99.70 to 100.70): VV013837.D (-2193) (-)

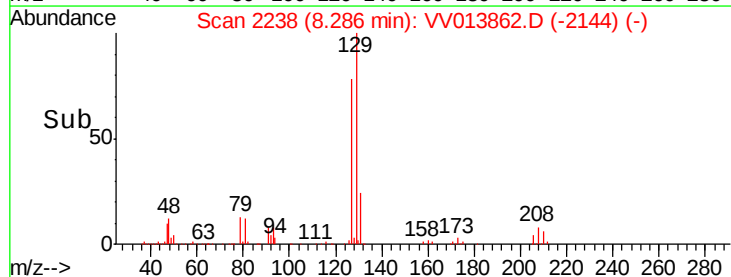
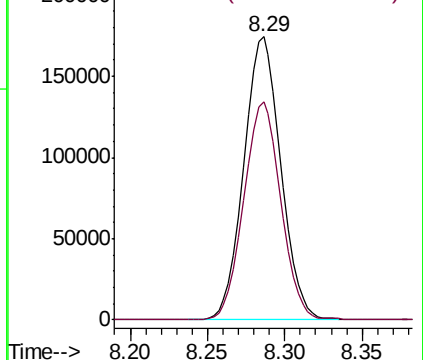


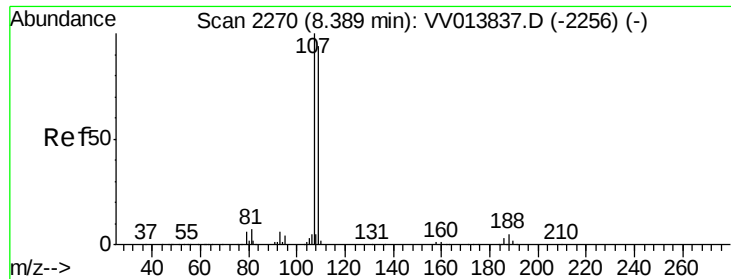
#49
Dibromochloromethane
Concen: 49.900 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013862.D
Acq: 29 Nov 2019 20:27

Tgt Ion: 129 Resp: 290648
Ion Ratio Lower Upper
129 100
127 77.2 52.5 97.5



Abundance Ion 129.00 (128.70 to 129.70): VV013837.D (-2223) (-)
Ion 127.00 (126.70 to 127.70): VV013837.D (-2223) (-)

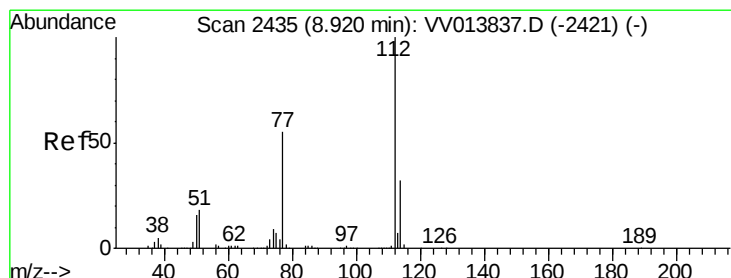
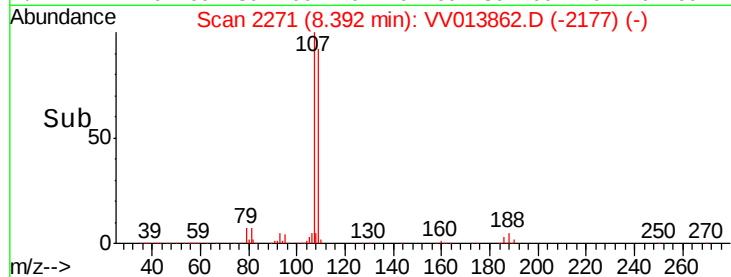
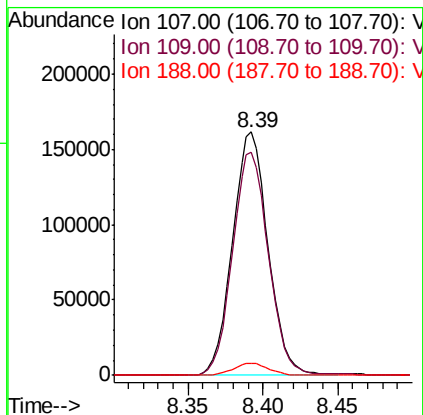
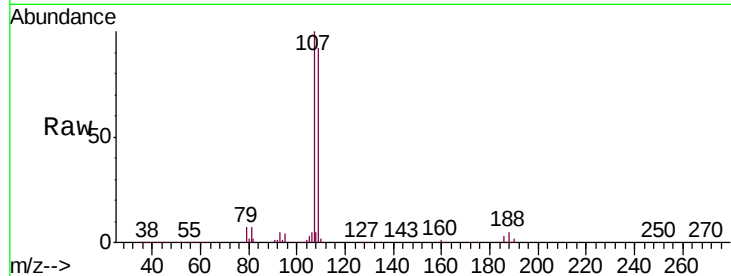




#50
 1,2-Dibromoethane
 Concen: 50.142 ug/L
 RT: 8.39 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VV013862.D
 Acq: 29 Nov 2019 20:27

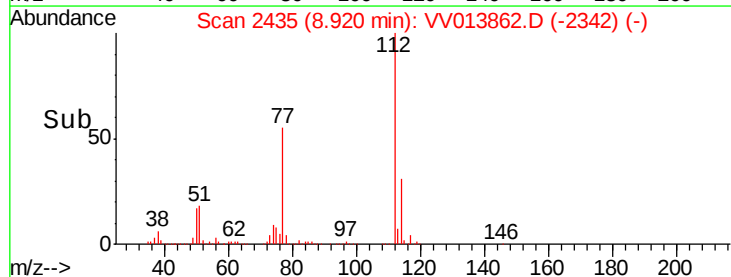
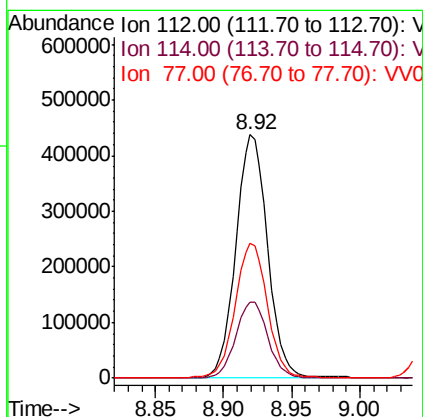
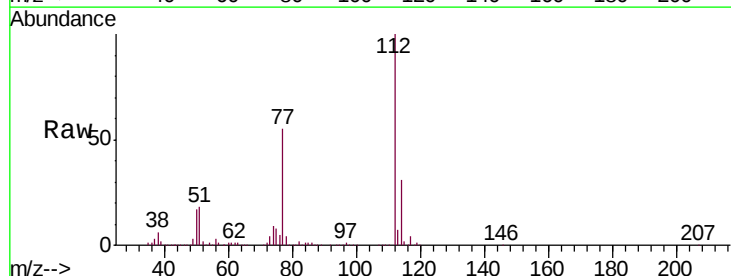
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05095

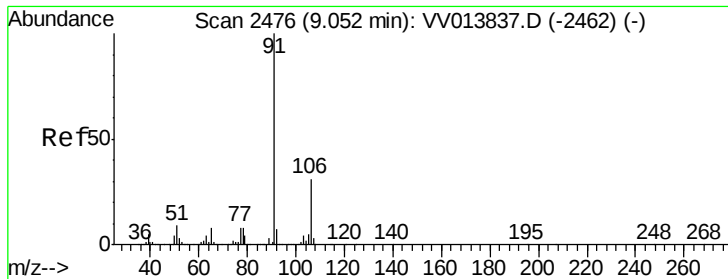
Tgt Ion:107 Resp: 266551
 Ion Ratio Lower Upper
 107 100
 109 91.9 65.7 122.1
 188 5.0 3.5 5.3



#51
 Chlorobenzene
 Concen: 49.696 ug/L
 RT: 8.92 min Scan# 2435
 Delta R.T. -0.00 min
 Lab File: VV013862.D
 Acq: 29 Nov 2019 20:27

Tgt Ion:112 Resp: 707485
 Ion Ratio Lower Upper
 112 100
 114 31.4 22.8 42.4
 77 55.2 46.7 70.1





#52

Ethylbenzene

Concen: 50.148 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV013862.D

Acq: 29 Nov 2019 20:27

Instrument :

MSVOA_V

ClientSampleId :

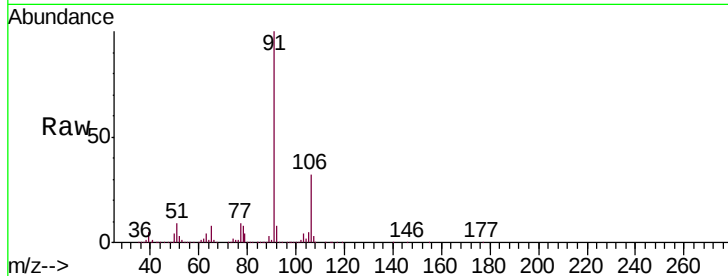
VSTD05095

Tgt Ion: 91 Resp: 1165461

Ion Ratio Lower Upper

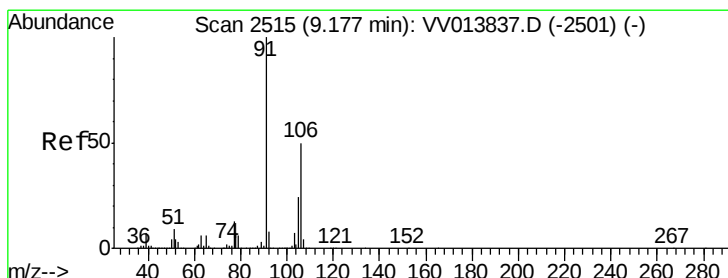
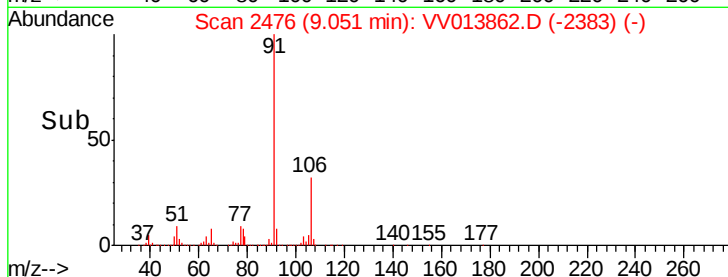
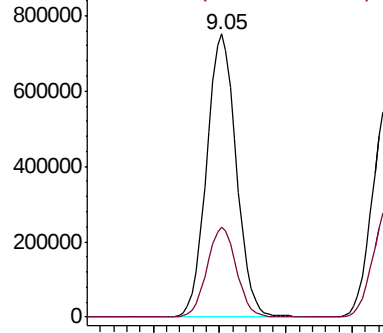
91 100

106 31.7 22.0 40.8



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 51.453 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV013862.D

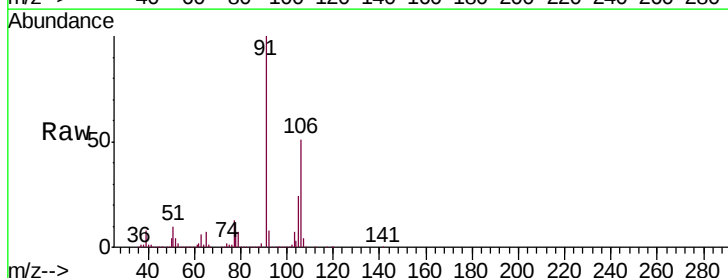
Acq: 29 Nov 2019 20:27

Tgt Ion: 106 Resp: 453867

Ion Ratio Lower Upper

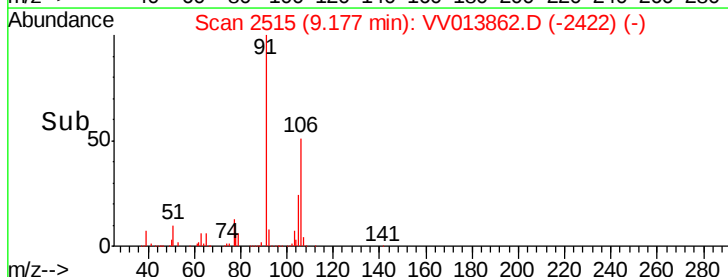
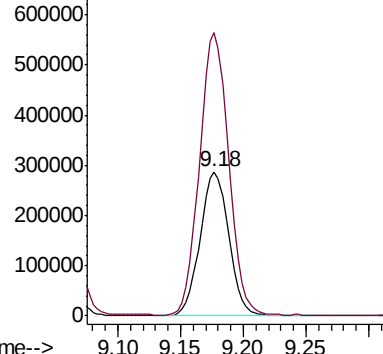
106 100

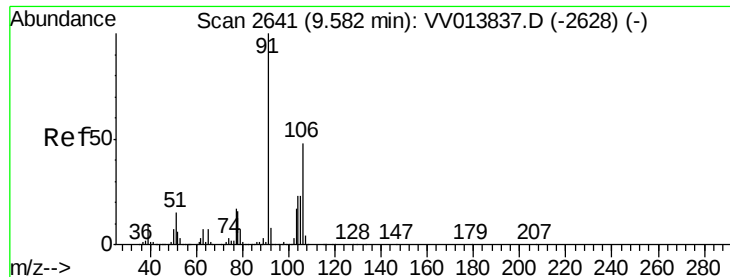
91 196.2 141.6 263.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#54

o-xylene

Concen: 51.970 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV013862.D

Acq: 29 Nov 2019 20:27

Instrument :

MSVOA_V

ClientSampleId :

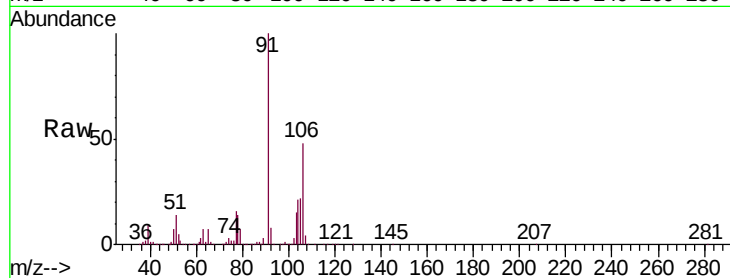
VSTD05095

Tgt Ion:106 Resp: 439673

Ion Ratio Lower Upper

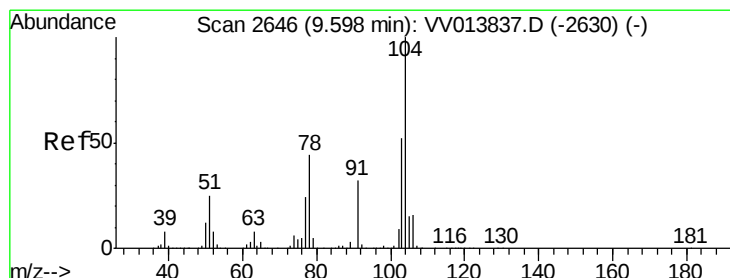
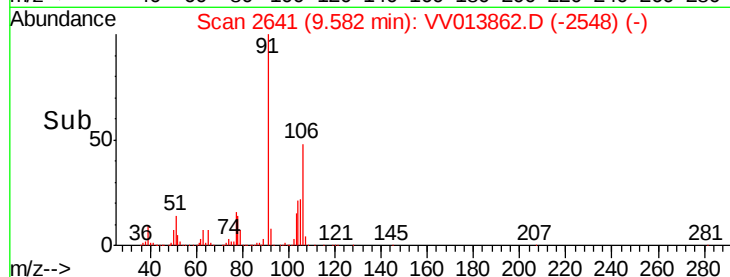
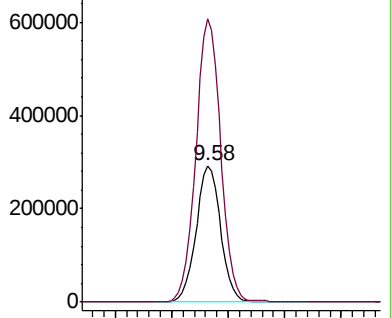
106 100

91 207.8 147.2 273.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 52.619 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. -0.00 min

Lab File: VV013862.D

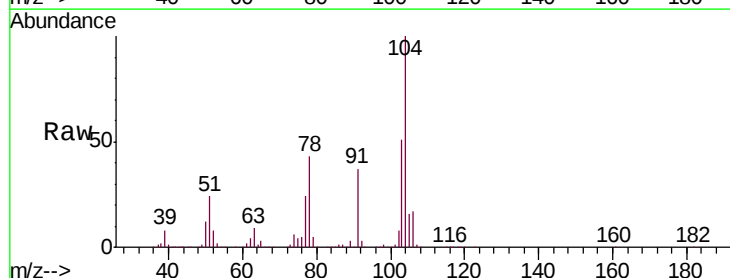
Acq: 29 Nov 2019 20:27

Tgt Ion:104 Resp: 769570

Ion Ratio Lower Upper

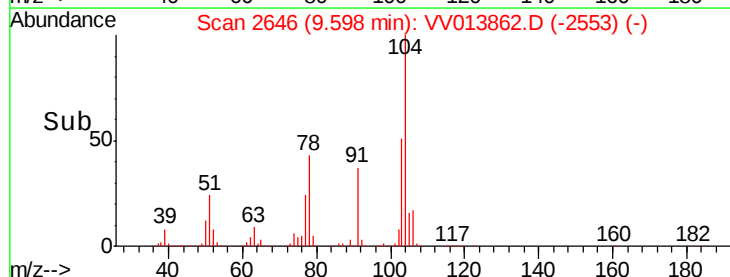
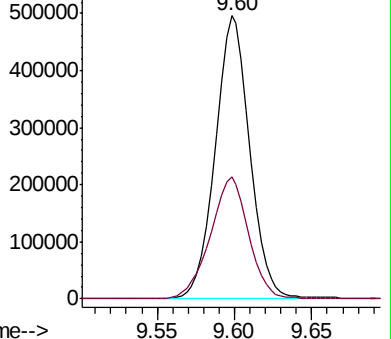
104 100

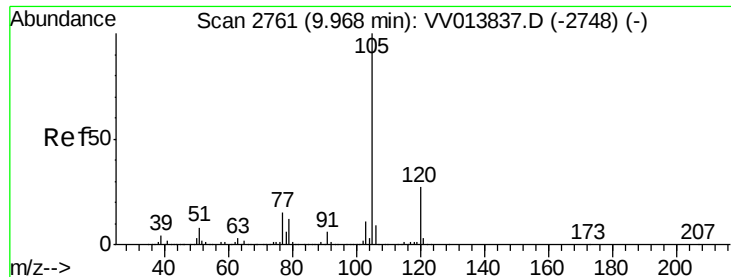
78 42.9 30.9 57.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 52.588 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013862.D

Acq: 29 Nov 2019 20:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD05095

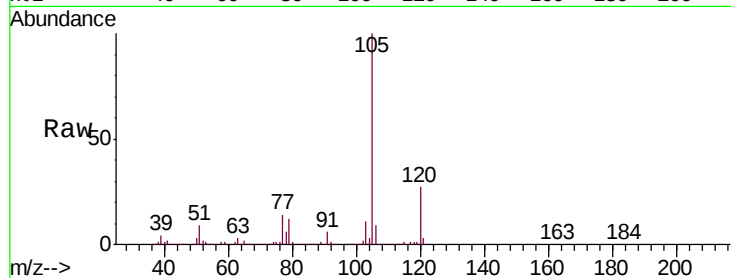
Tgt Ion:105 Resp: 1168249

Ion Ratio Lower Upper

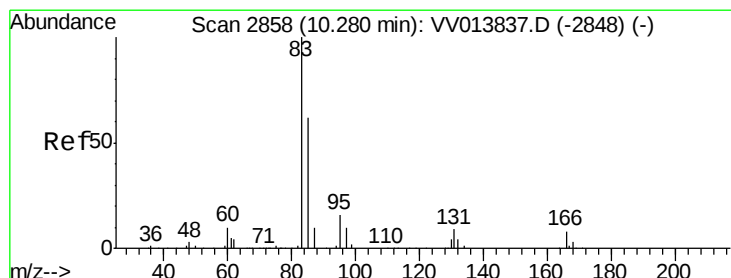
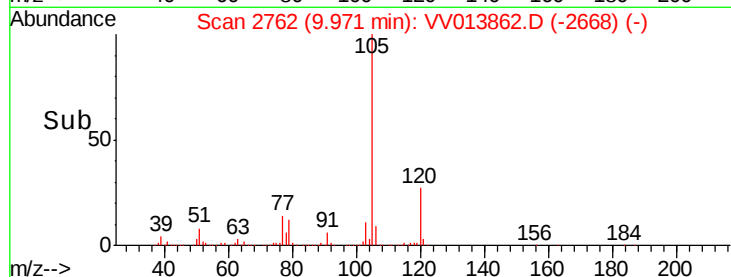
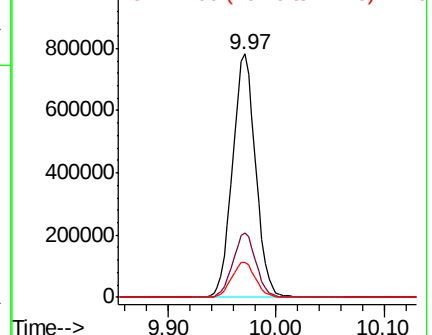
105 100

120 26.5 21.1 31.7

77 14.8 12.2 18.4



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: 47.418 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV013862.D

Acq: 29 Nov 2019 20:27

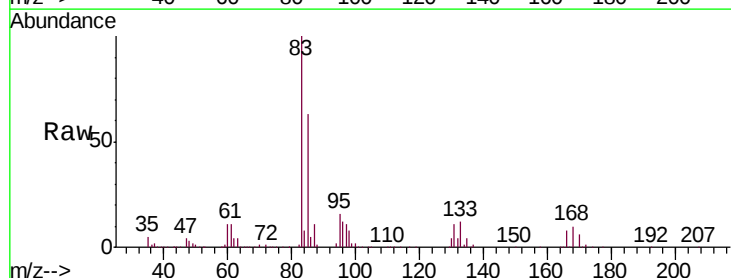
Tgt Ion: 83 Resp: 362718

Ion Ratio Lower Upper

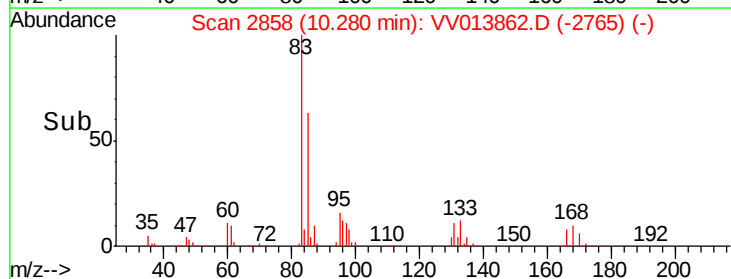
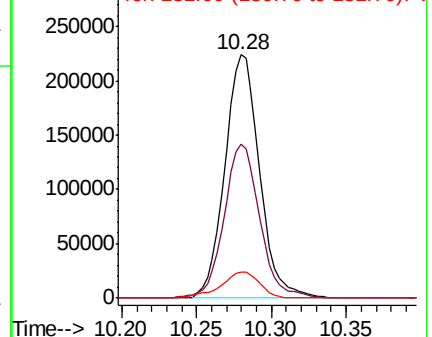
83 100

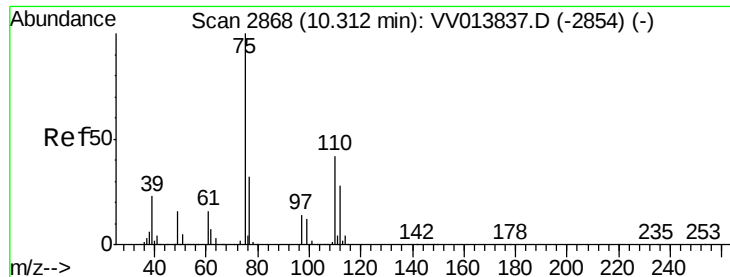
85 63.2 44.0 81.6

131 10.9 7.7 11.5



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: 48.367 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV013862.D

Acq: 29 Nov 2019 20:27

Instrument :

MSVOA_V

ClientSampleId :

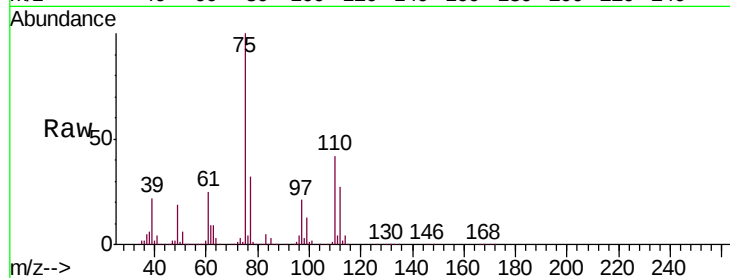
VSTD05095

Tgt Ion: 75 Resp: 308081

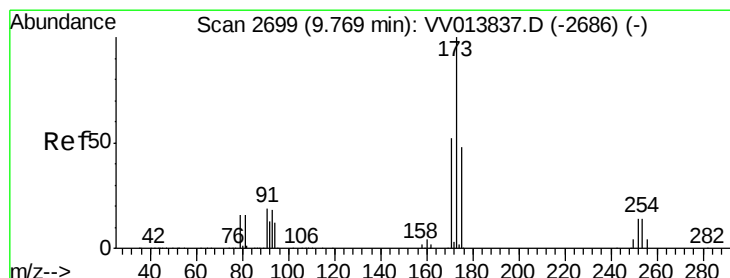
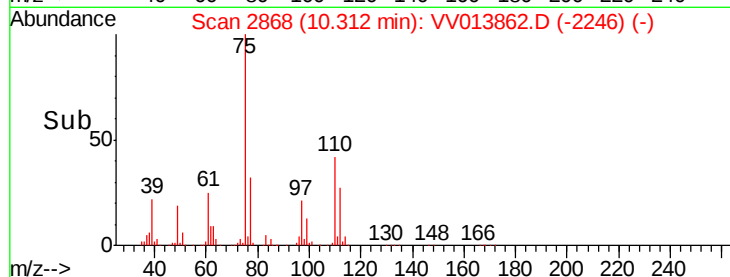
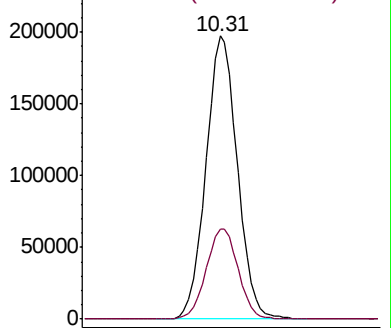
Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VV013837.D (-2854) (-)



#61

Bromoform

Concen: 50.108 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV013862.D

Acq: 29 Nov 2019 20:27

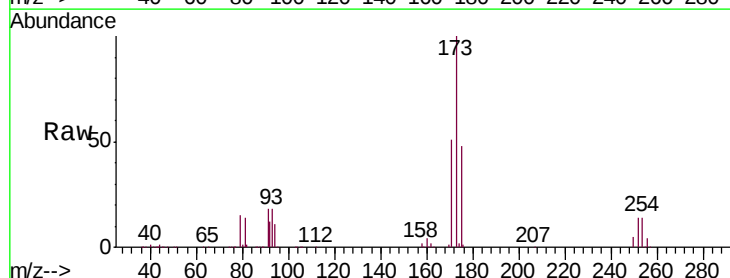
Tgt Ion: 173 Resp: 236661

Ion Ratio Lower Upper

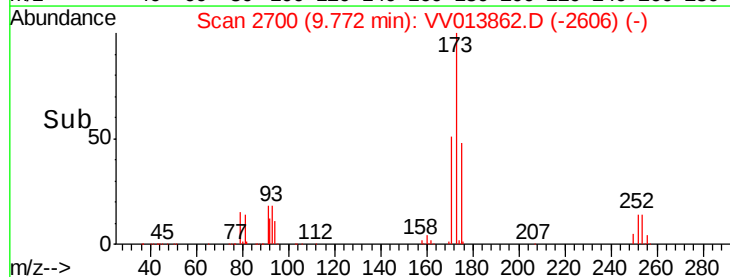
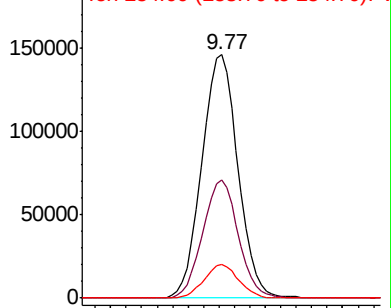
173 100

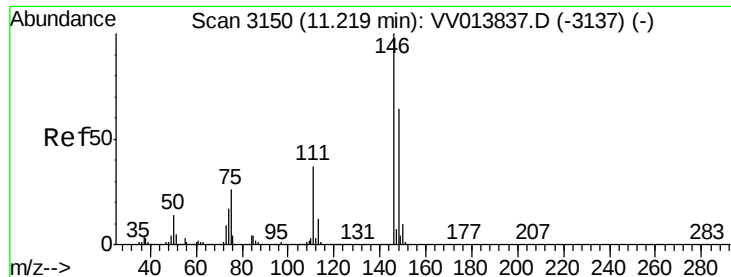
175 48.0 39.0 58.4

254 13.3 10.2 15.2



Abundance Ion 173.00 (172.70 to 173.70): VV013837.D (-2686) (-)





#62

1,3-Dichlorobenzene

Concen: 48.805 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. -0.00 min

Lab File: VV013862.D

Acq: 29 Nov 2019 20:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD05095

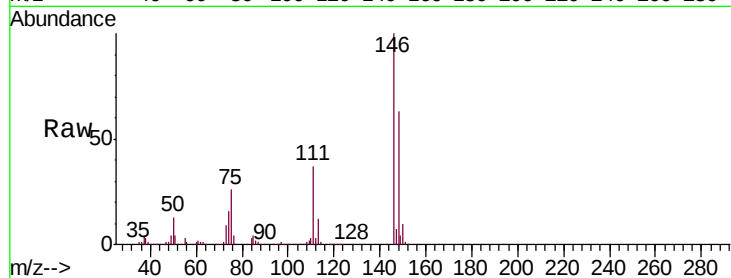
Tgt Ion:146 Resp: 595807

Ion Ratio Lower Upper

146 100

111 36.7 26.4 49.0

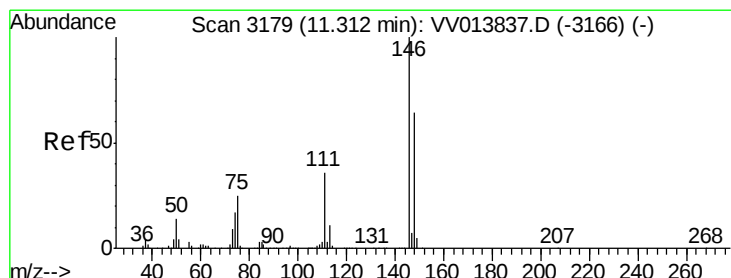
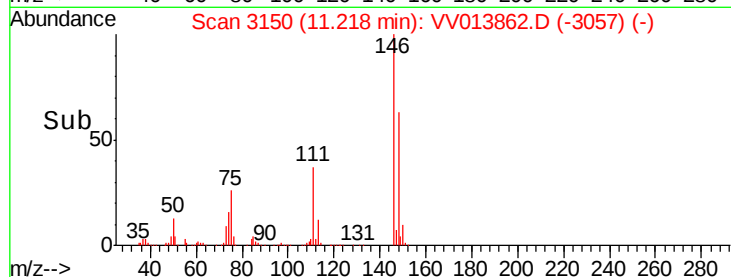
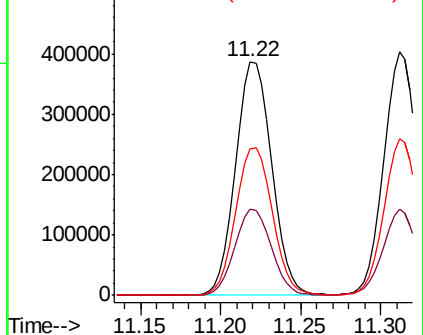
148 62.9 44.4 82.4



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



#63

1,4-Dichlorobenzene

Concen: 48.024 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV013862.D

Acq: 29 Nov 2019 20:27

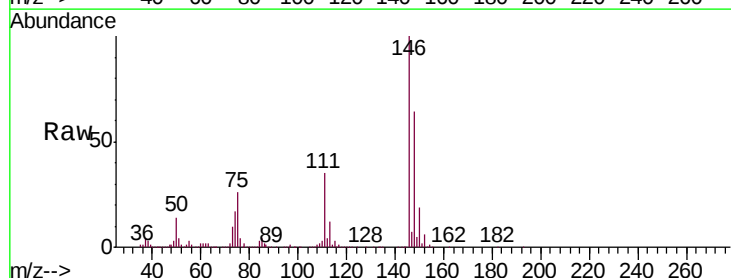
Tgt Ion:146 Resp: 607230

Ion Ratio Lower Upper

146 100

111 35.3 25.5 47.3

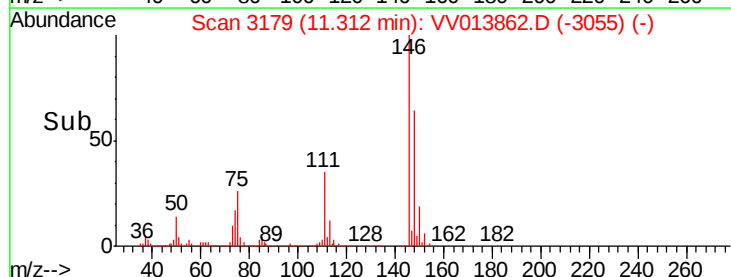
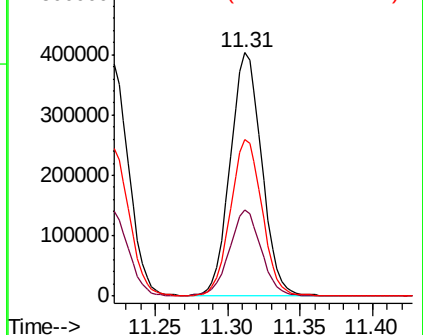
148 64.1 44.9 83.5

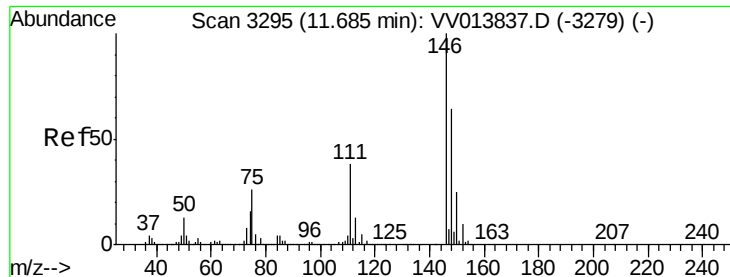


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

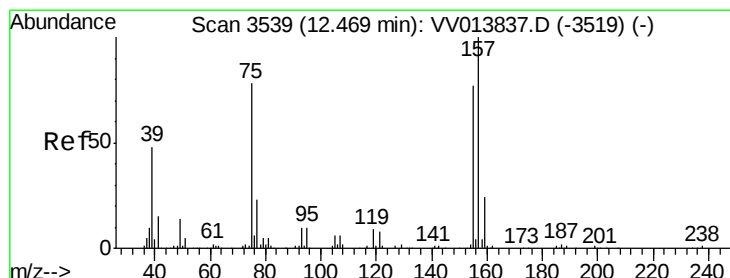
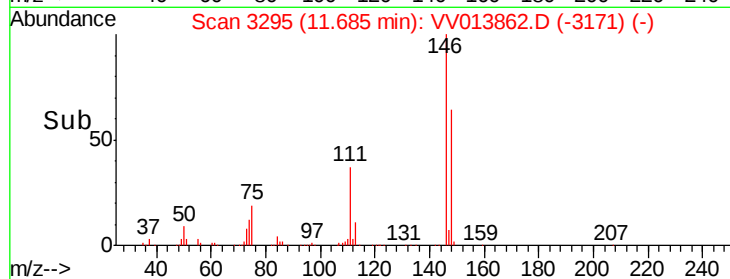
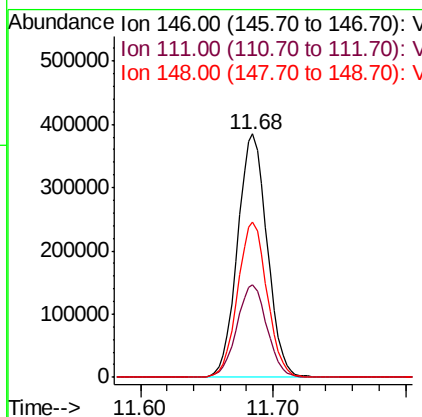
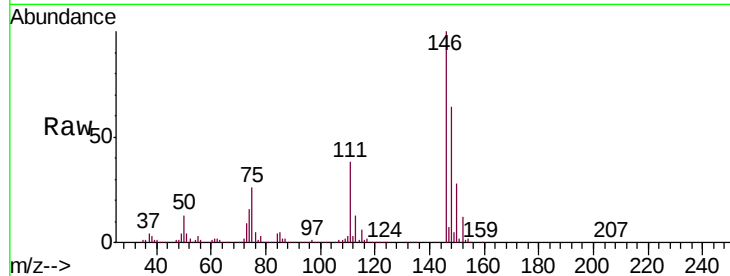




#65
 1,2-Dichlorobenzene
 Concen: 48.753 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV013862.D
 Acq: 29 Nov 2019 20:27

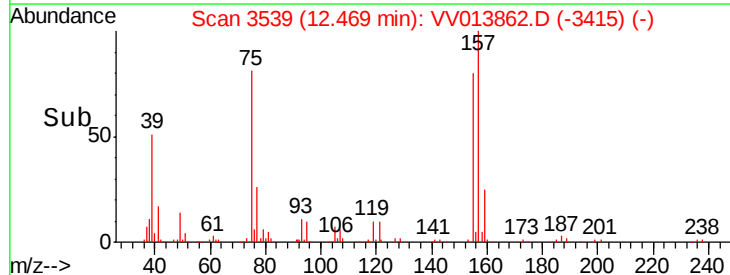
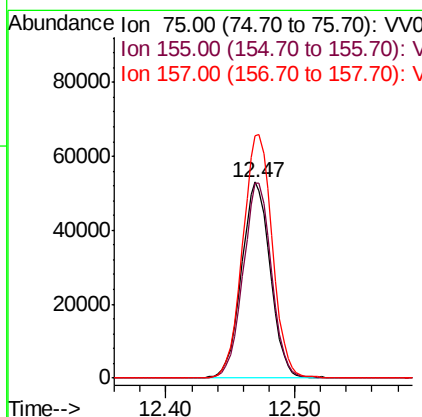
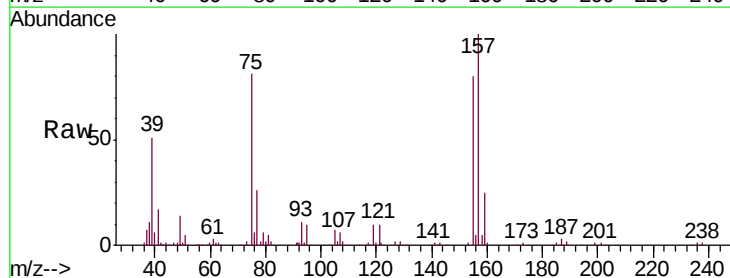
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05095

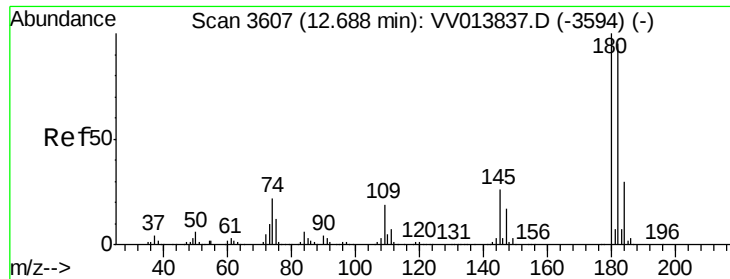
Tgt Ion:146 Resp: 596008
 Ion Ratio Lower Upper
 146 100
 111 38.0 32.1 48.1
 148 64.0 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 48.800 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. -0.00 min
 Lab File: VV013862.D
 Acq: 29 Nov 2019 20:27

Tgt Ion: 75 Resp: 82294
 Ion Ratio Lower Upper
 75 100
 155 99.7 71.9 107.9
 157 124.0 96.6 145.0

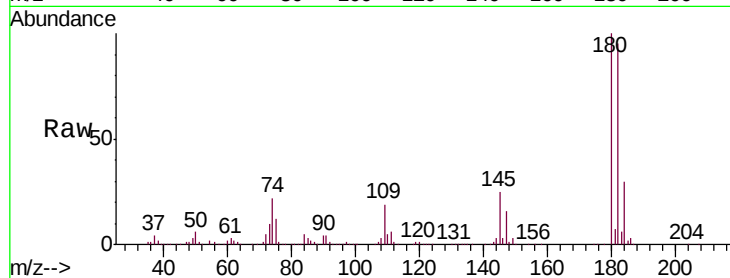




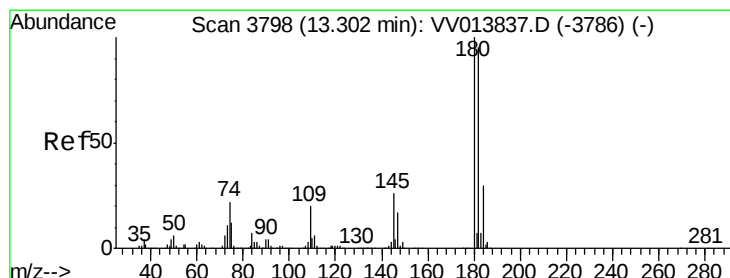
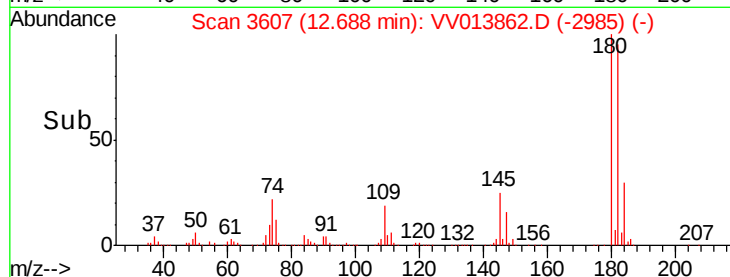
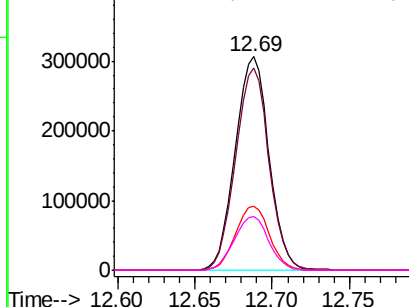
#67
 1,3,5-Trichlorobenzene
 Concen: 48.550 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV013862.D
 Acq: 29 Nov 2019 20:27

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05095

Tgt Ion:	180	Resp:	463051
Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.2	114.2
184	30.4	24.3	36.5
145	25.9	21.2	31.8

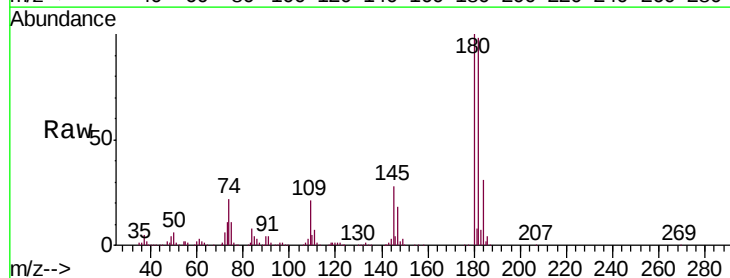


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

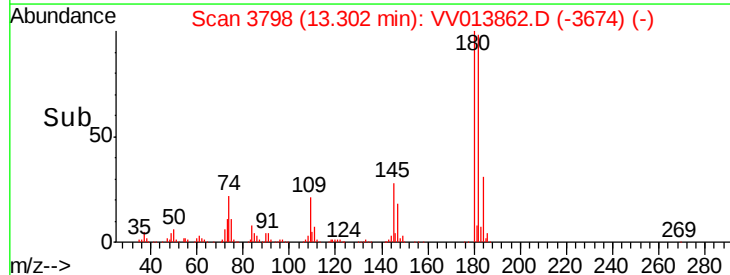
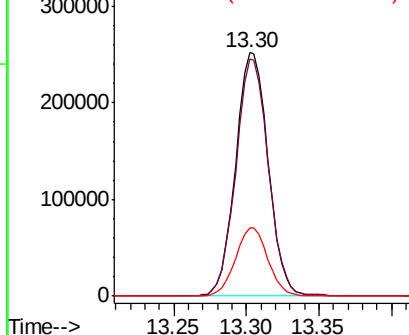


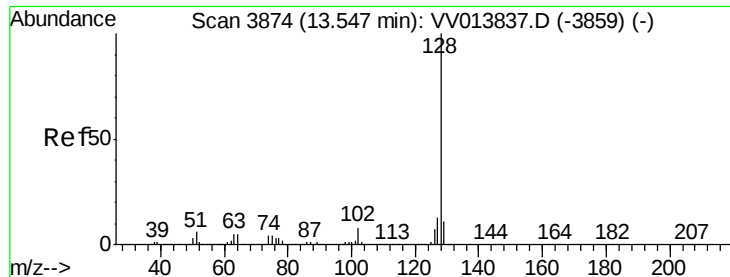
#68
 1,2,4-trichlorobenzene
 Concen: 47.064 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. -0.00 min
 Lab File: VV013862.D
 Acq: 29 Nov 2019 20:27

Tgt Ion:	180	Resp:	393238
Ion	Ratio	Lower	Upper
180	100		
182	97.0	76.4	114.6
145	27.7	22.4	33.6



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: 46.459 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV013862.D

Acq: 29 Nov 2019 20:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD05095

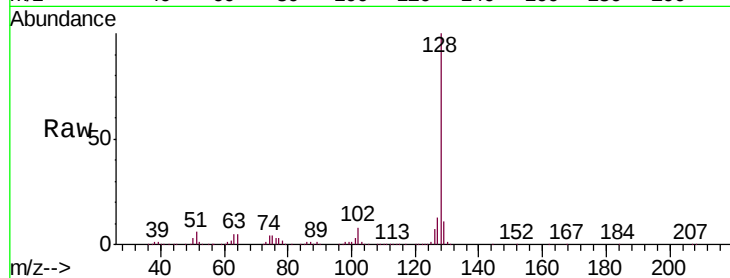
Tgt Ion:128 Resp: 1037267

Ion Ratio Lower Upper

128 100

127 13.3 10.6 15.8

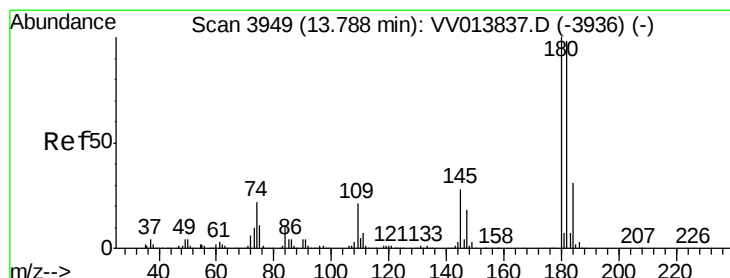
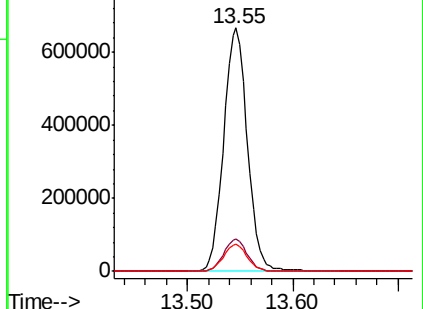
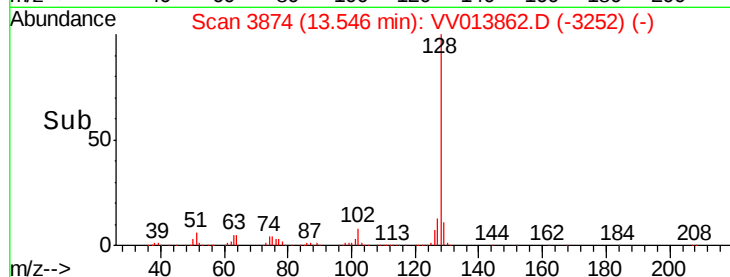
129 11.0 8.6 13.0



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



#70

1,2,3-Trichlorobenzene

Concen: 47.901 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV013862.D

Acq: 29 Nov 2019 20:27

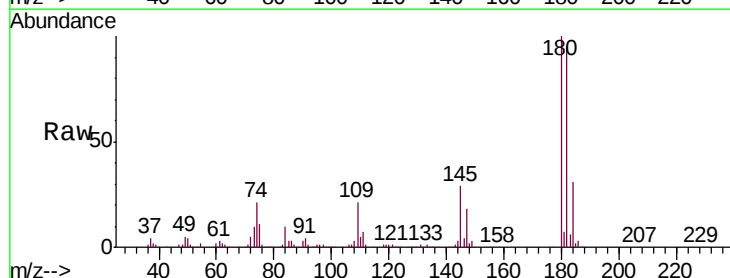
Tgt Ion:180 Resp: 425058

Ion Ratio Lower Upper

180 100

182 94.5 77.4 116.0

145 28.8 24.0 36.0



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

