

Data File : VV012584.D
Acq On : 05 Sep 2019 14:37
Operator : SY/MD
Sample : VSTD02035
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02035

Quant Time: Sep 06 02:45:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 06 02:40:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	221761	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	220972	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	110960	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	347554	15.94	ug/L	0.00
7) Chloroethane-d5	1.58	69	307314	14.32	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	817776	15.39	ug/L	0.00
20) 2-Butanone-d5	3.96	46	769005	185.88	ug/L	0.00
24) Chloroform-d	4.40	84	530150	15.73	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	272679	15.61	ug/L	0.00
32) Benzene-d6	5.09	84	988406	15.80	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	309752	15.75	ug/L	0.00
41) Toluene-d8	7.36	98	931161	16.47	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	117562	16.48	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	570276	213.56	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	232785	16.76	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	313939	15.51	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	393331	13.907	ug/L	98
3) Chloromethane	1.25	50	529288	15.743	ug/L	99
5) Vinyl chloride	1.32	62	563966	15.499	ug/L	99
6) Bromomethane	1.53	94	330890	15.262	ug/L	97
8) Chloroethane	1.60	64	365373	14.611	ug/L	99
9) Trichlorofluoromethane	1.77	101	883628	15.852	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	471207	15.098	ug/L	98
12) 1,1-Dichloroethene	2.14	96	452679	15.694	ug/L	96
13) Acetone	2.23	43	847348	147.103	ug/L	99
14) Carbon disulfide	2.31	76	1454504	15.633	ug/L	99
15) Methyl Acetate	2.47	43	223897	15.778	ug/L	97
16) Methylene chloride	2.53	84	468274	14.174	ug/L	99
17) Methyl tert-butyl Ether	2.81	73	795382	16.334	ug/L	100
18) trans-1,2-Dichloroethene	2.78	96	365686	15.843	ug/L	99
19) 1,1-Dichloroethane	3.23	63	706071	15.897	ug/L	98
21) 2-Butanone	4.05	43	1011846	181.711	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	383931	16.199	ug/L	94
23) Bromochloromethane	4.30	128	153705	16.058	ug/L	96
25) Chloroform	4.42	83	703935	15.048	ug/L	99
27) 1,2-Dichloroethane	5.18	62	461092	16.939	ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	587764	16.008	ug/L	98
30) Cyclohexane	4.72	56	685258	18.127	ug/L	98
31) Carbon tetrachloride	4.87	117	515042	16.033	ug/L	98
33) Benzene	5.14	78	1532790	16.857	ug/L	100
34) Trichloroethene	5.96	95	399117	15.778	ug/L	99
35) Methylcyclohexane	6.17	83	683818	17.855	ug/L	96
37) 1,2-Dichloropropane	6.22	63	393820	16.098	ug/L	98
38) Bromodichloromethane	6.55	83	499095	16.242	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	572708	18.350	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	2606531	185.681	ug/L	99

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	1688520	17.023	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	446565	17.968	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	252584	16.485	ug/L	98
47) Tetrachloroethene	8.02	164	298365	16.422	ug/L	97
48) 2-Hexanone	8.19	43	1896123	191.744	ug/L	98
49) Dibromochloromethane	8.29	129	312082	17.338	ug/L	98
50) 1,2-Dibromoethane	8.40	107	235977	17.258	ug/L	94
51) Chlorobenzene	8.92	112	1021980	16.515	ug/L	97
52) Ethylbenzene	9.05	91	1932557	18.058	ug/L	98
53) m,p-xylene	9.18	106	707240	18.146	ug/L	100
54) o-xylene	9.59	106	689281	18.796	ug/L	98
55) Styrene	9.60	104	1184998	18.946	ug/L	97
56) Isopropylbenzene	9.97	105	1881427	18.616	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	294408	17.358	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	225116	16.516	ug/L	99
61) Bromoform	9.77	173	155988	17.198	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	787164	16.438	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	777076	15.874	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	723841	16.462	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	47808	16.192	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	563174	16.253	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	460422	18.550	ug/L	98
69) Naphthalene	13.55	128	810285	22.132	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	426354	18.714	ug/L	98

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

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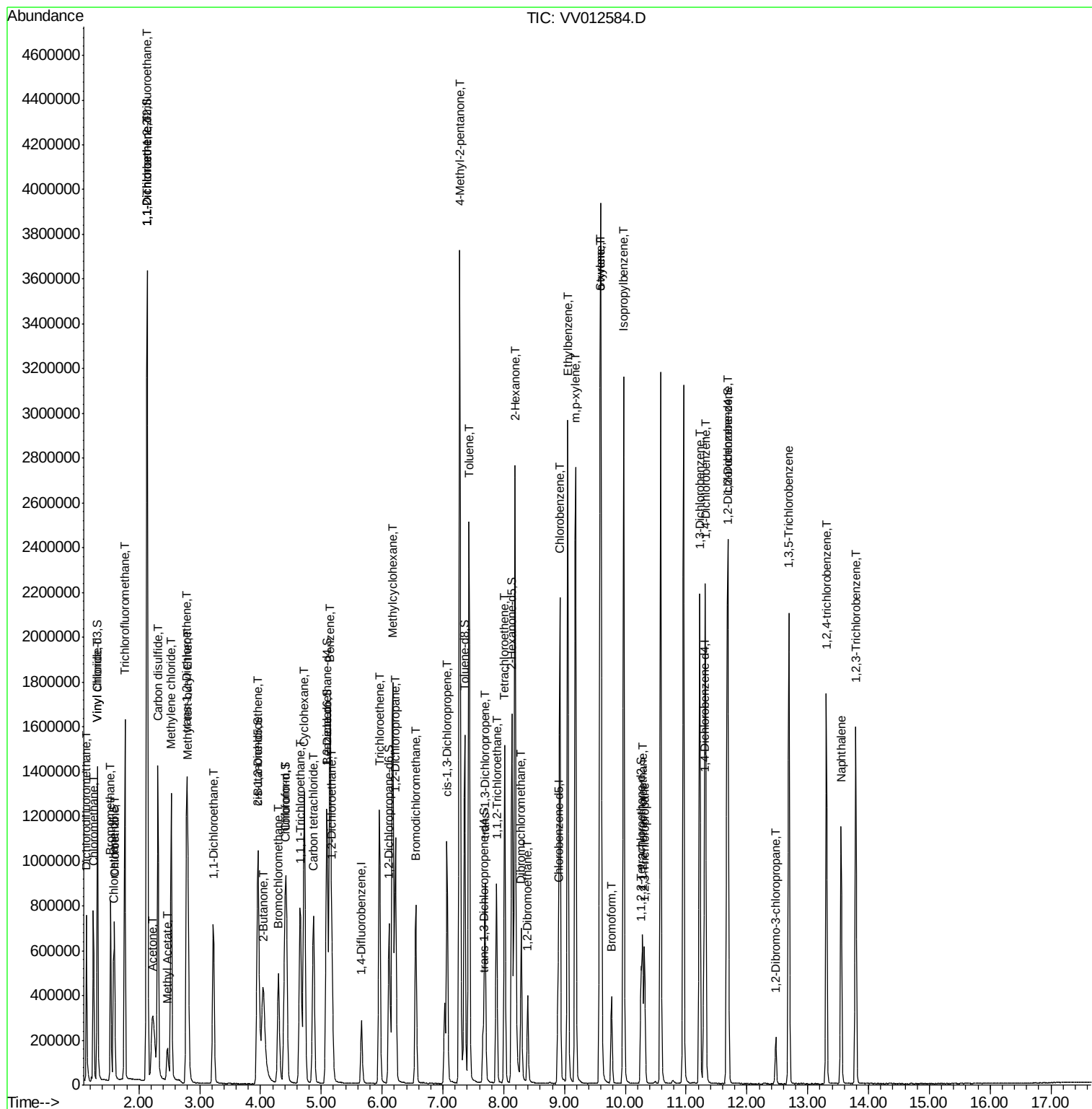
Quant Time: Sep 06 02:45:12 2019

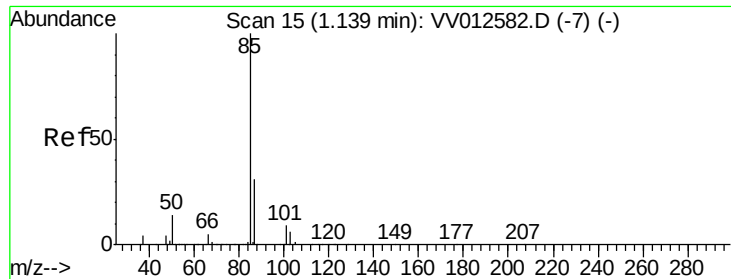
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR090519WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Sep 06 02:40:30 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 13.907 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV012584.D

Acq: 05 Sep 2019 14:37

Instrument :

MSVOA_V

ClientSampleId :

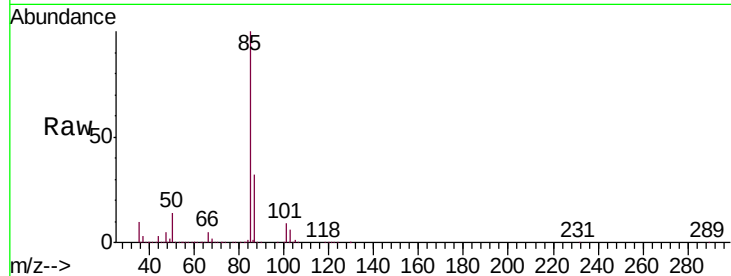
VSTD02035

Tgt Ion: 85 Resp: 393331

Ion Ratio Lower Upper

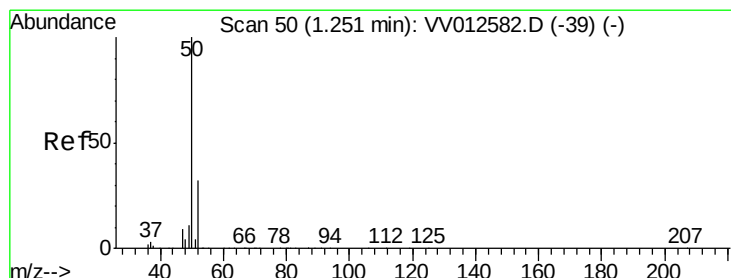
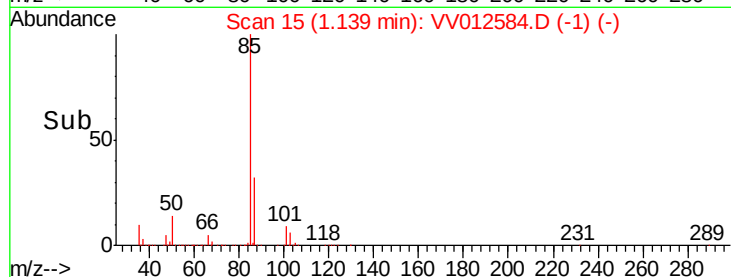
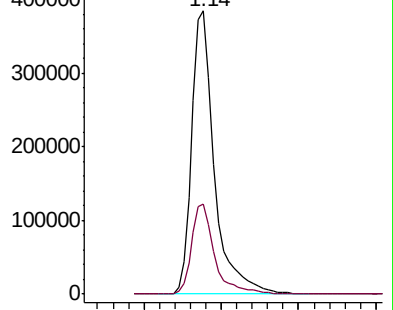
85 100

87 32.5 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VV012582.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV012582.D (-7) (-)



#3

Chloromethane

Concen: 15.743 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012584.D

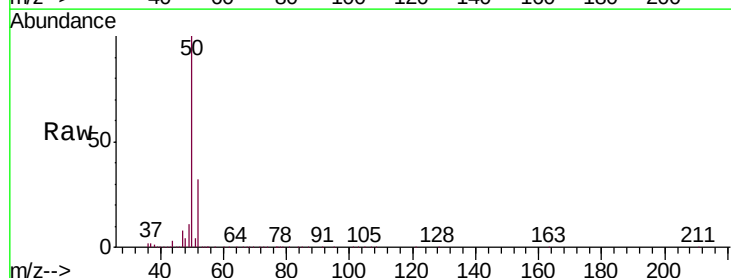
Acq: 05 Sep 2019 14:37

Tgt Ion: 50 Resp: 529288

Ion Ratio Lower Upper

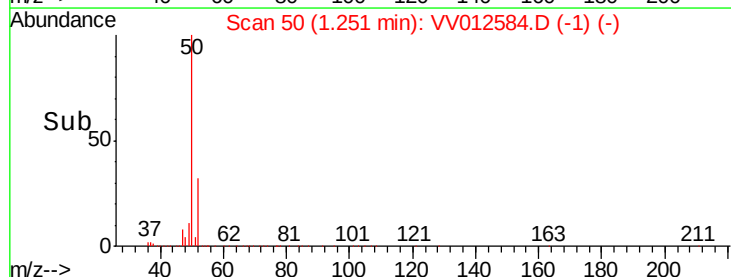
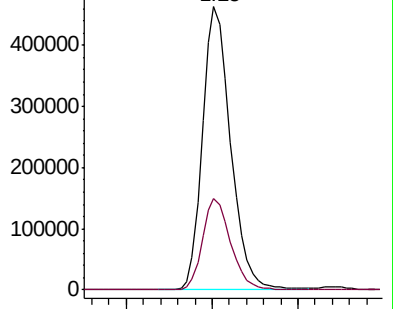
50 100

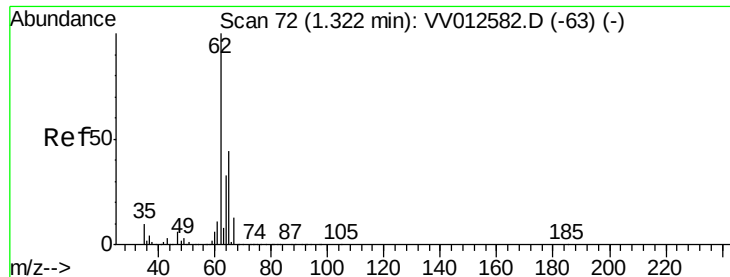
52 32.3 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VV012582.D (-39) (-)

Ion 52.05 (51.75 to 52.75): VV012582.D (-39) (-)





#5

Vinyl chloride

Concen: 15.499 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012584.D

Acq: 05 Sep 2019 14:37

Instrument :

MSVOA_V

ClientSampleId :

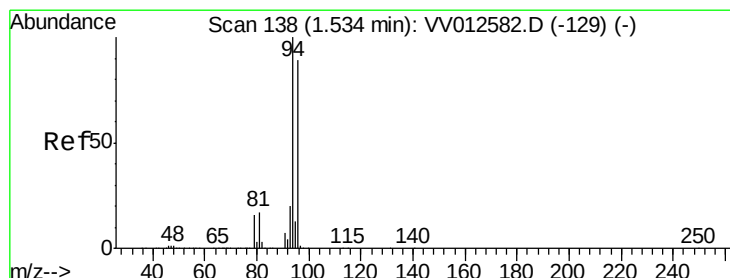
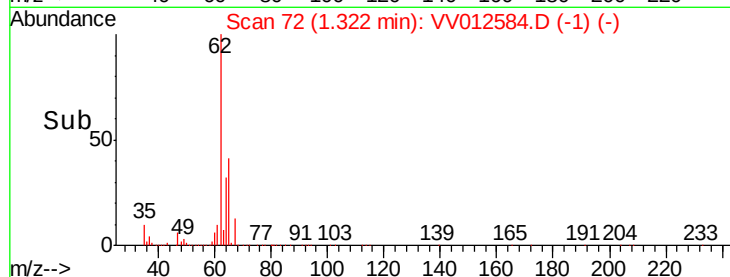
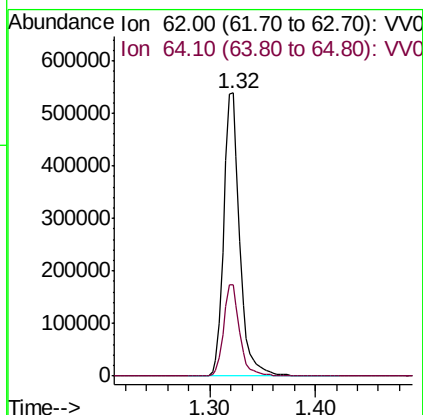
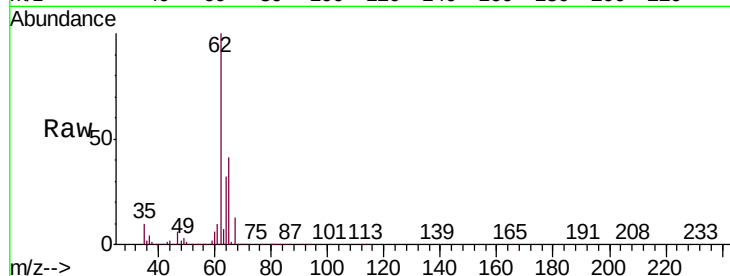
VSTD02035

Tgt Ion: 62 Resp: 563966

Ion Ratio Lower Upper

62 100

64 32.4 23.0 42.6



#6

Bromomethane

Concen: 15.262 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV012584.D

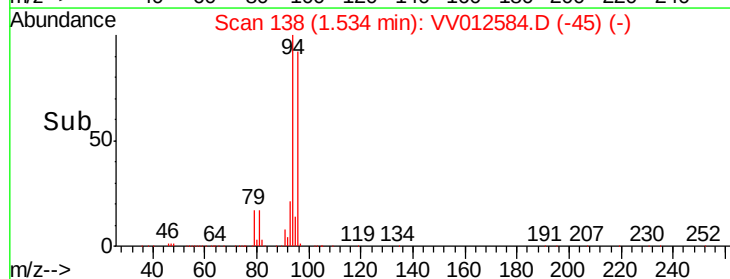
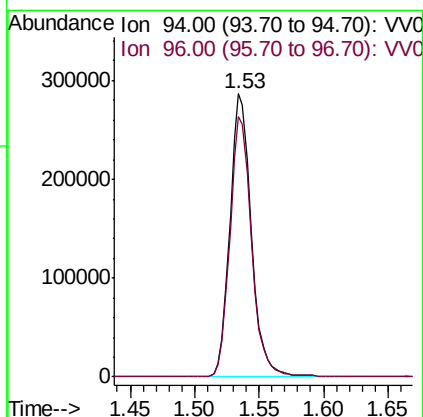
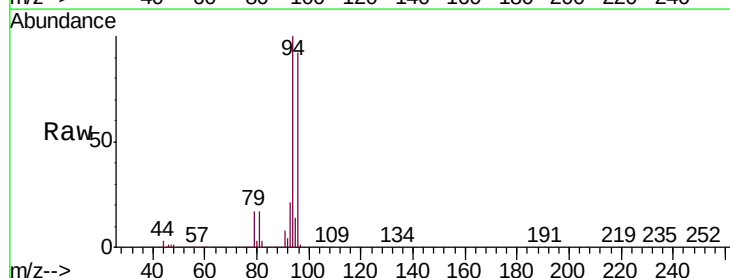
Acq: 05 Sep 2019 14:37

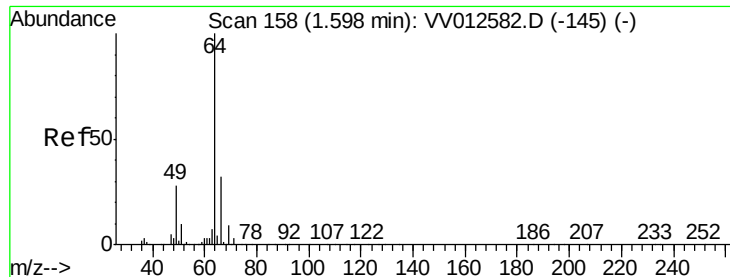
Tgt Ion: 94 Resp: 330890

Ion Ratio Lower Upper

94 100

96 91.9 62.6 116.3





#8

Chloroethane

Concen: 14.611 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV012584.D

Acq: 05 Sep 2019 14:37

Instrument :

MSVOA_V

ClientSampleId :

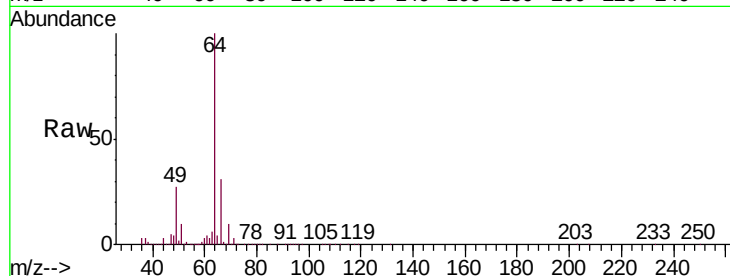
VSTD02035

Tgt Ion: 64 Resp: 365373

Ion Ratio Lower Upper

64 100

66 31.2 22.2 41.2



Abundance Ion 64.10 (63.80 to 64.80): VV012582.D (-145) (-)

Ion 66.05 (65.75 to 66.75): VV012582.D (-145) (-)

1.60

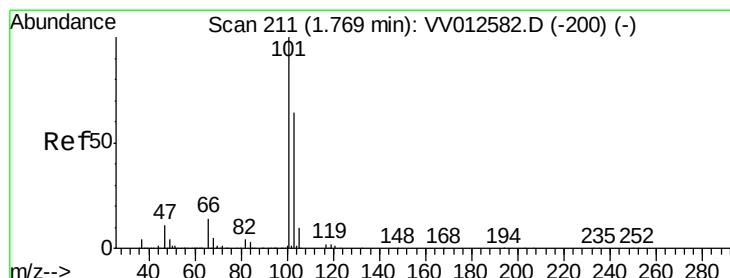
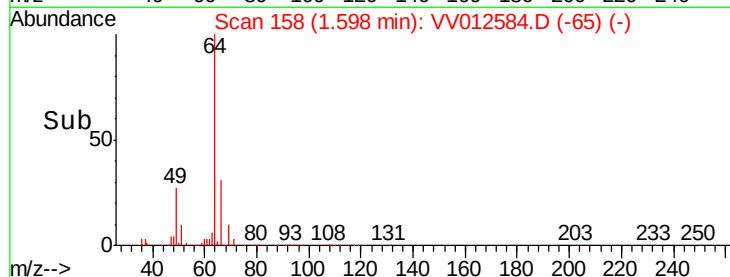
300000

200000

100000

0

Time--> 1.50 1.60 1.70



#9

Trichlorofluoromethane

Concen: 15.852 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV012584.D

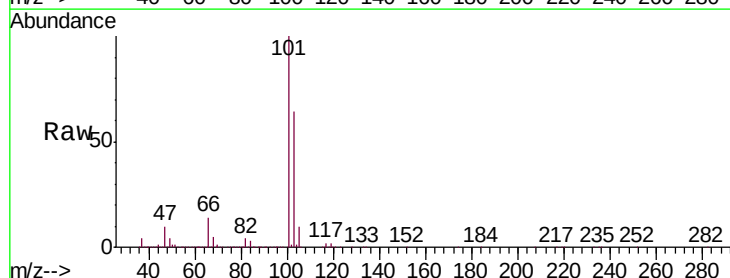
Acq: 05 Sep 2019 14:37

Tgt Ion: 101 Resp: 883628

Ion Ratio Lower Upper

101 100

103 64.6 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV012582.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV012582.D (-200) (-)

1.77

800000

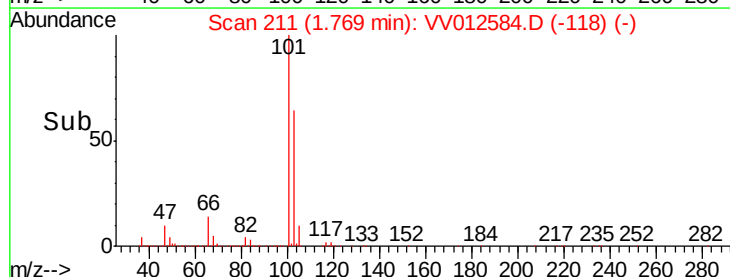
600000

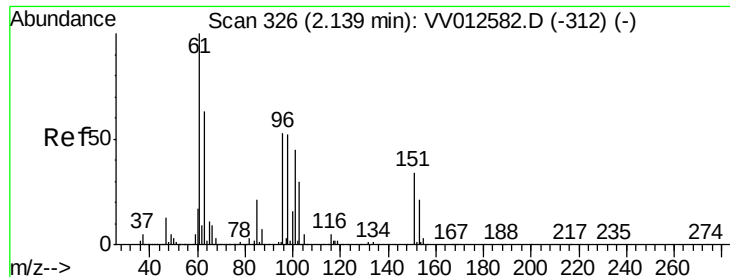
400000

200000

0

Time--> 1.70 1.75 1.80 1.85





#10

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

Concen: 15.098 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012584.D

Acq: 05 Sep 2019 14:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD02035

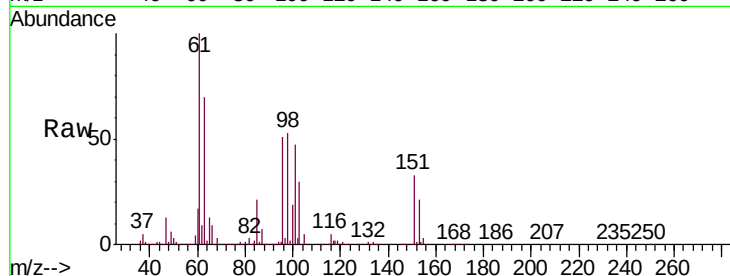
Tgt Ion:101 Resp: 471207

Ion Ratio Lower Upper

101 100

85 45.3 37.4 56.0

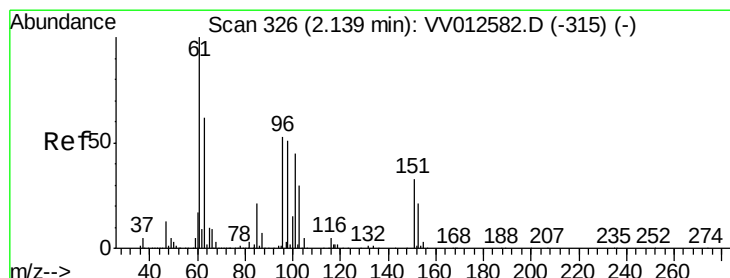
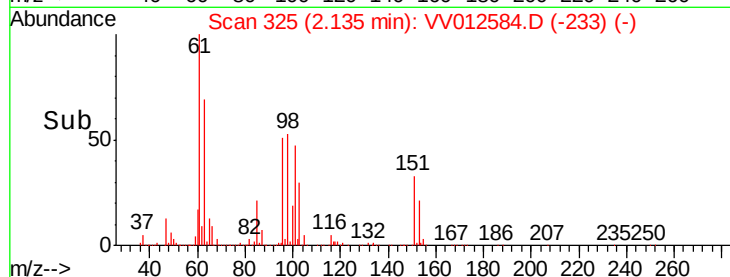
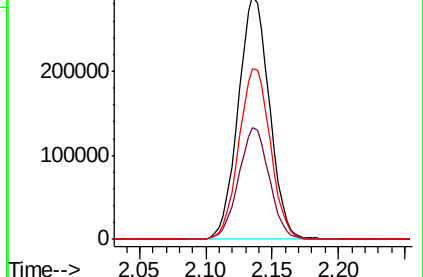
151 71.6 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): VV012582.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV012582.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV012582.D (-312) (-)



#12

1,1-Dichloroethene

Concen: 15.694 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012584.D

Acq: 05 Sep 2019 14:37

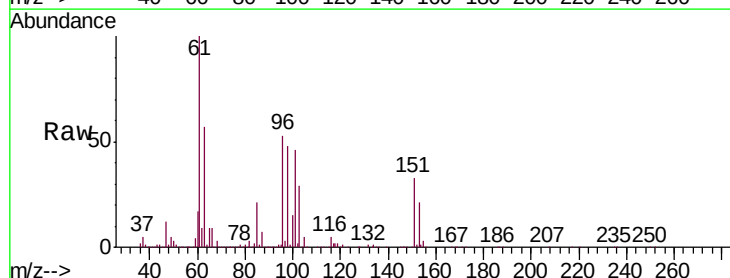
Tgt Ion: 96 Resp: 452679

Ion Ratio Lower Upper

96 100

61 189.9 132.7 246.5

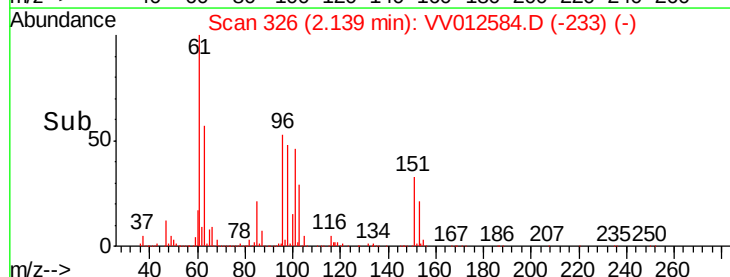
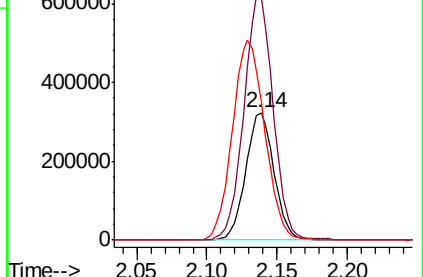
63 108.3 84.1 156.1

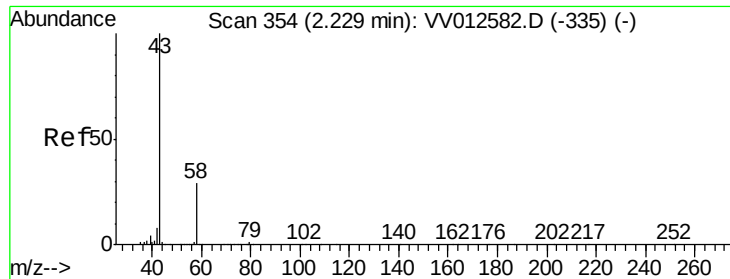


Abundance Ion 96.00 (95.70 to 96.70): VV012582.D (-315) (-)

Ion 61.05 (60.75 to 61.75): VV012582.D (-315) (-)

Ion 63.00 (62.70 to 63.70): VV012582.D (-315) (-)





#13

Acetone

Concen: 147.103 ug/L

RT: 2.23 min Scan# 353

Delta R.T. -0.00 min

Lab File: VV012584.D

Acq: 05 Sep 2019 14:37

Instrument :

MSVOA_V

ClientSampleId :

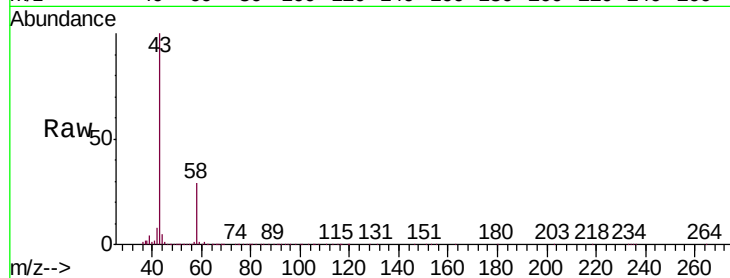
VSTD02035

Tgt Ion: 43 Resp: 847348

Ion Ratio Lower Upper

43 100

58 28.8 0.0 57.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.23

200000

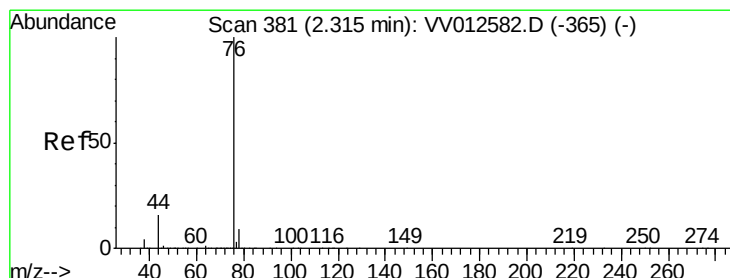
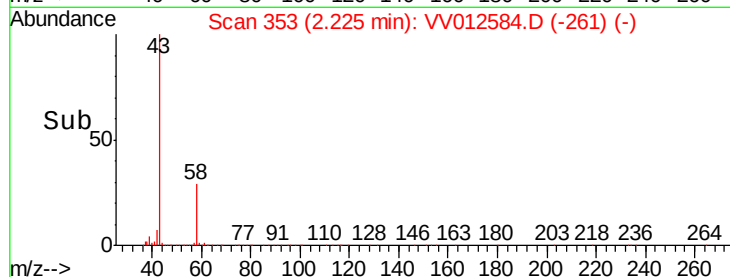
150000

100000

50000

0

Time-->



#14

Carbon disulfide

Concen: 15.633 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV012584.D

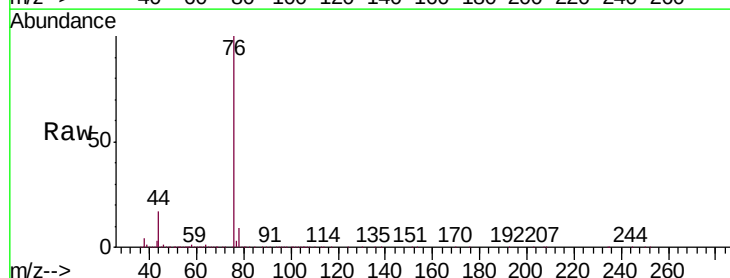
Acq: 05 Sep 2019 14:37

Tgt Ion: 76 Resp: 1454504

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

1200000

1000000

800000

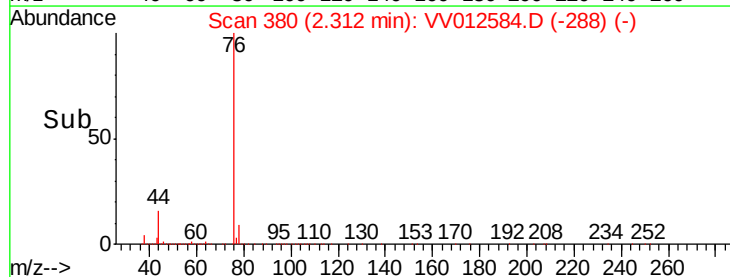
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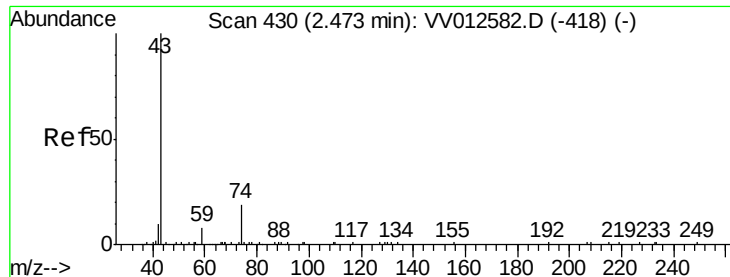
400000

200000

0

Time-->

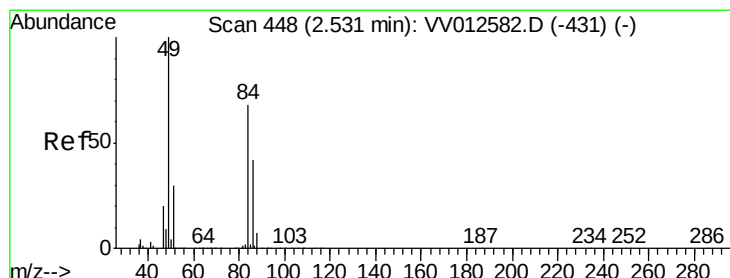
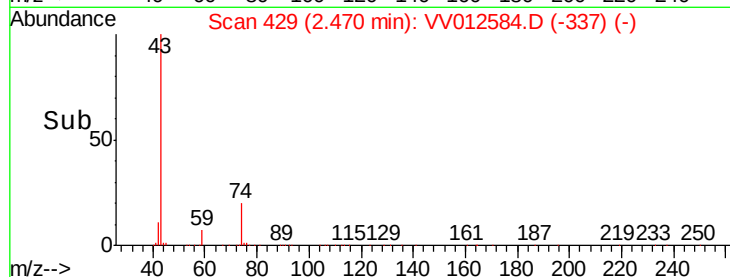
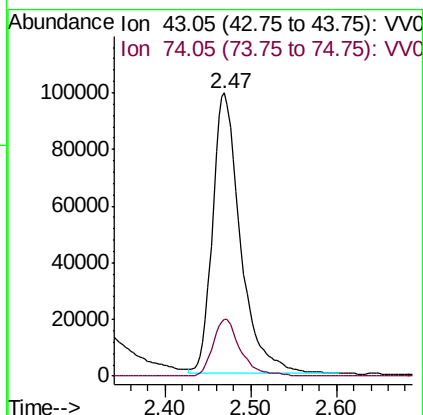
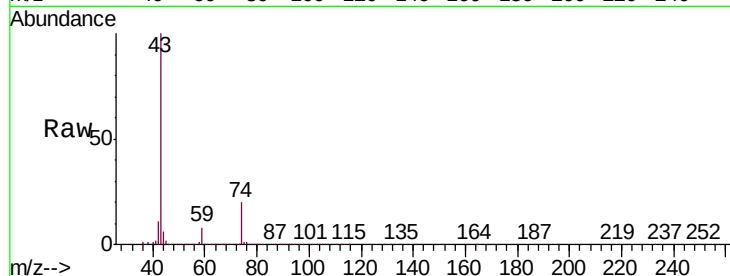




#15
Methyl Acetate
Concen: 15.778 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VV012584.D
Acq: 05 Sep 2019 14:37

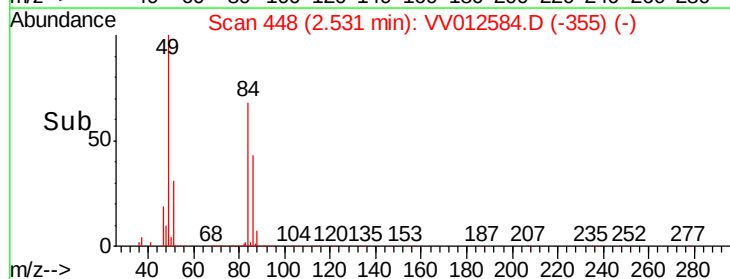
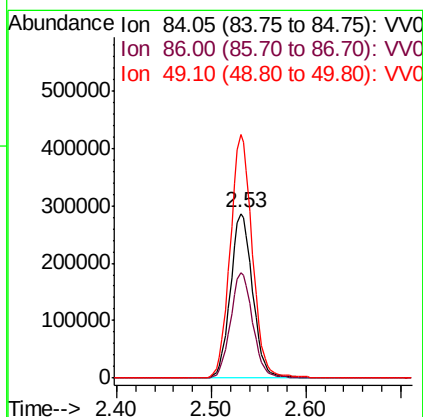
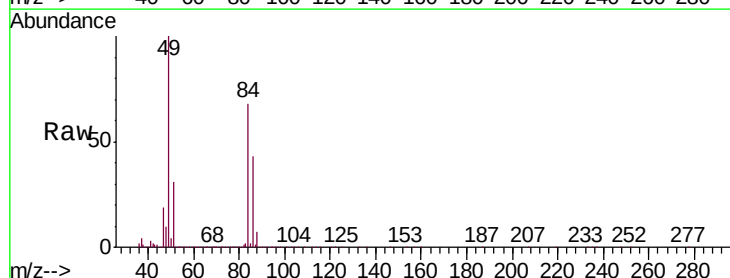
Instrument :
MSVOA_V
ClientSampleId :
VSTD02035

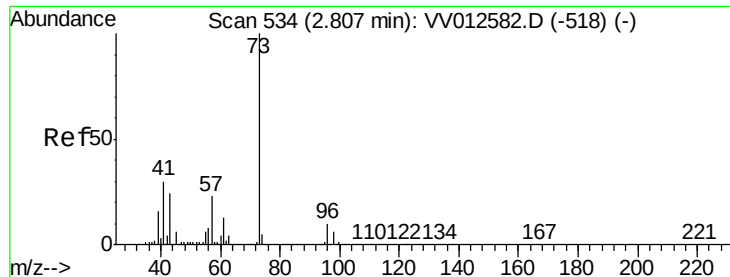
Tgt Ion: 43 Resp: 223897
Ion Ratio Lower Upper
43 100
74 19.9 14.9 22.3



#16
Methylene chloride
Concen: 14.174 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV012584.D
Acq: 05 Sep 2019 14:37

Tgt Ion: 84 Resp: 468274
Ion Ratio Lower Upper
84 100
86 64.2 43.6 81.0
49 147.8 103.0 191.2





#17

Methyl tert-butyl Ether

Concen: 16.334 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV012584.D

Acq: 05 Sep 2019 14:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD02035

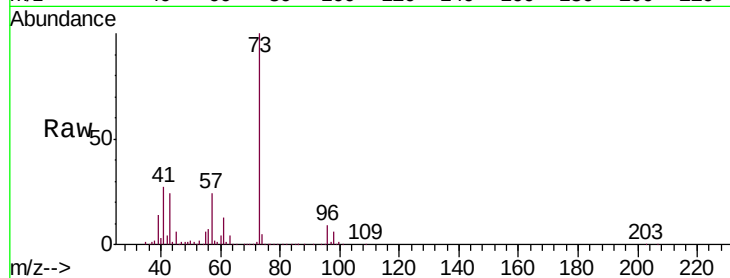
Tgt Ion: 73 Resp: 795382

Ion Ratio Lower Upper

73 100

43 23.6 18.9 28.3

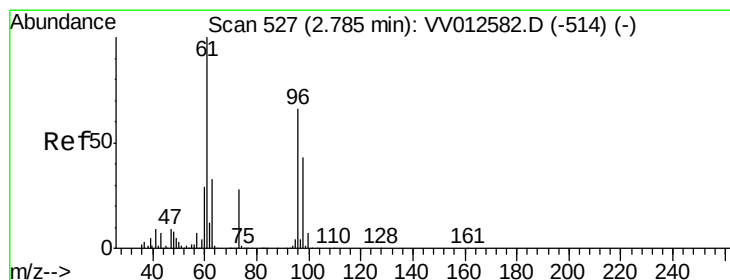
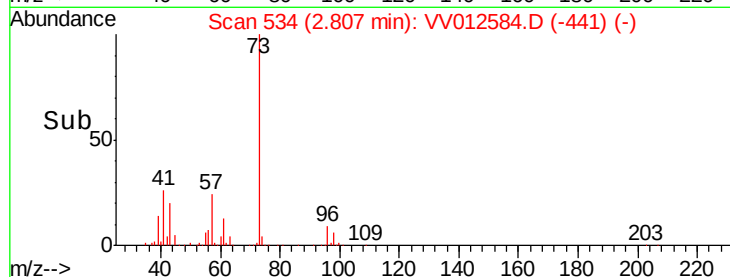
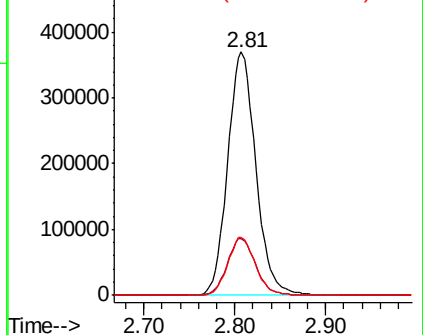
57 23.3 18.9 28.3



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 15.843 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV012584.D

Acq: 05 Sep 2019 14:37

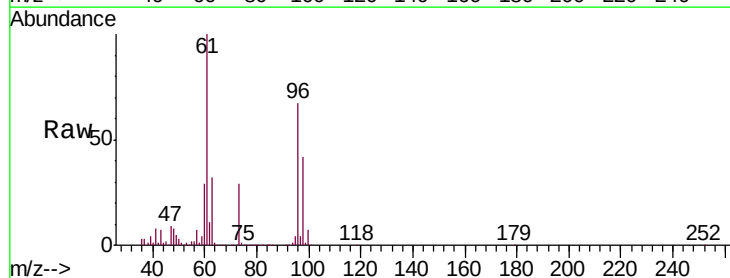
Tgt Ion: 96 Resp: 365686

Ion Ratio Lower Upper

96 100

61 150.0 105.6 196.0

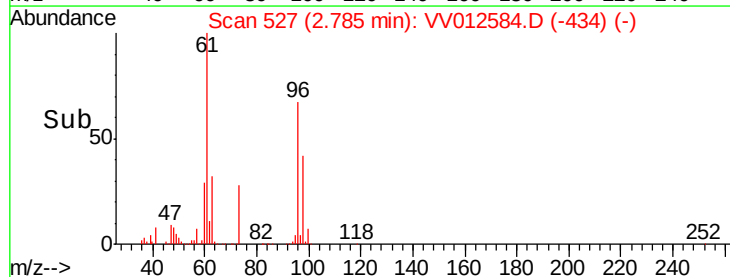
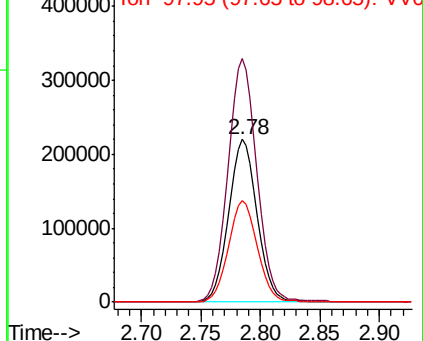
98 62.9 45.2 84.0

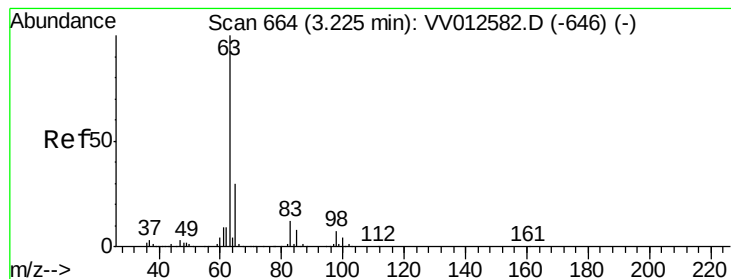


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 15.897 ug/L

RT: 3.23 min Scan# 664

Delta R.T. -0.00 min

Lab File: VV012584.D

Acq: 05 Sep 2019 14:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD02035

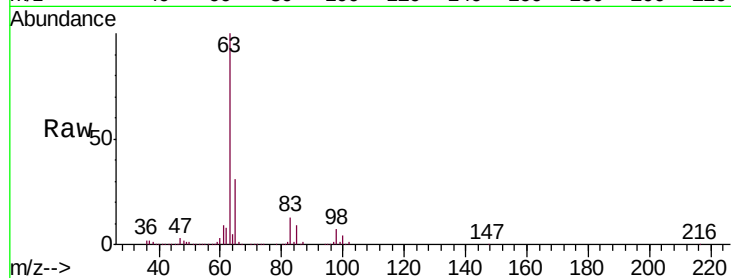
Tgt Ion: 63 Resp: 706071

Ion Ratio Lower Upper

63 100

65 30.9 20.9 38.9

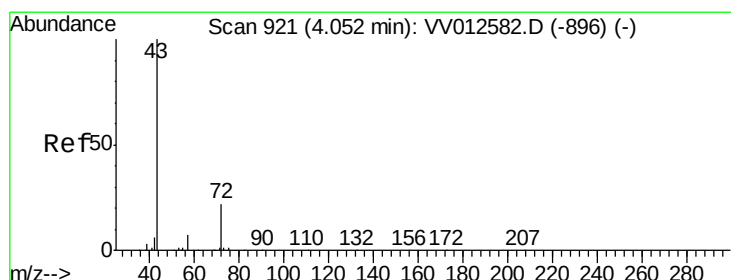
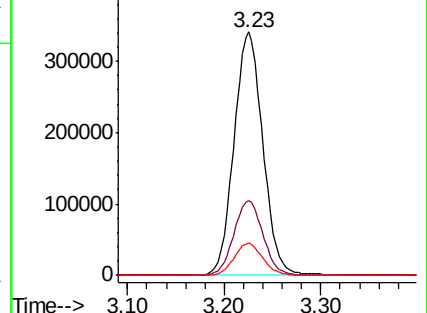
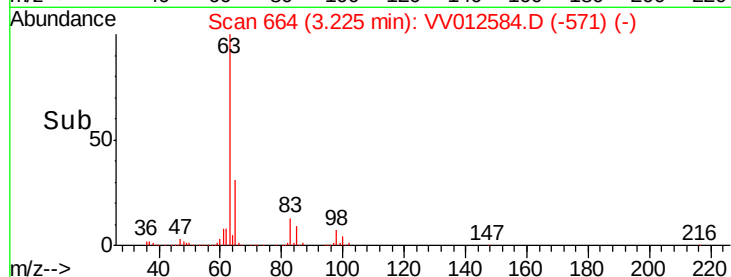
83 13.2 8.8 16.3



Abundance Ion 63.10 (62.80 to 63.80): VV012582.D (-646) (-)

Ion 65.10 (64.80 to 65.80): VV012582.D (-646) (-)

Ion 83.05 (82.75 to 83.75): VV012582.D (-646) (-)



#21

2-Butanone

Concen: 181.711 ug/L

RT: 4.05 min Scan# 919

Delta R.T. -0.01 min

Lab File: VV012584.D

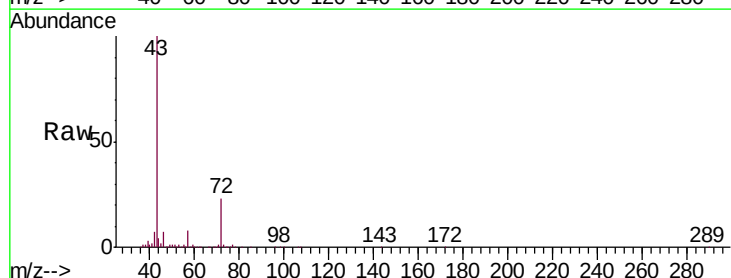
Acq: 05 Sep 2019 14:37

Tgt Ion: 43 Resp: 1011846

Ion Ratio Lower Upper

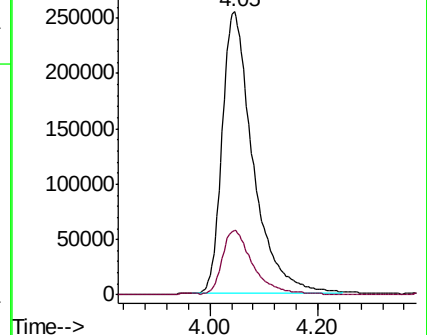
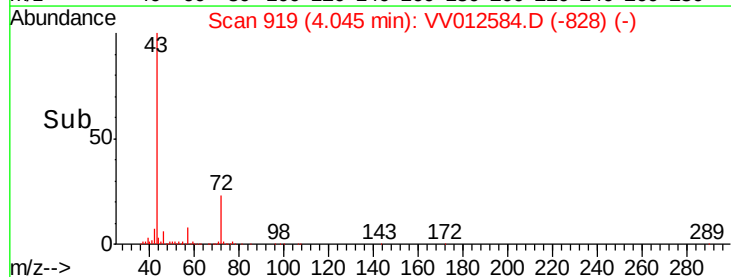
43 100

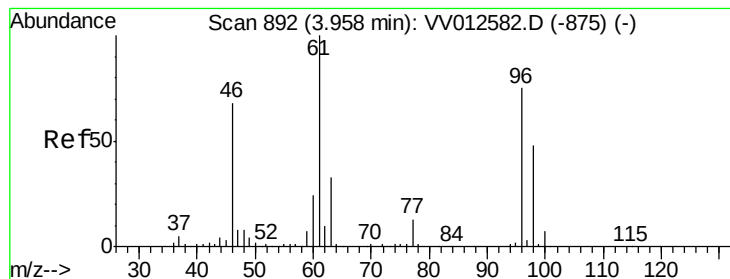
72 22.2 10.5 31.6



Abundance Ion 43.05 (42.75 to 43.75): VV012582.D (-896) (-)

Ion 72.10 (71.80 to 72.80): VV012582.D (-896) (-)



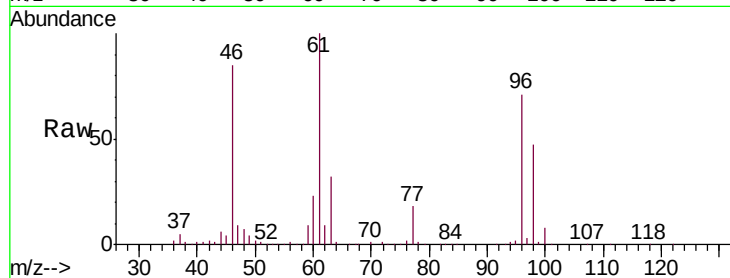


#22

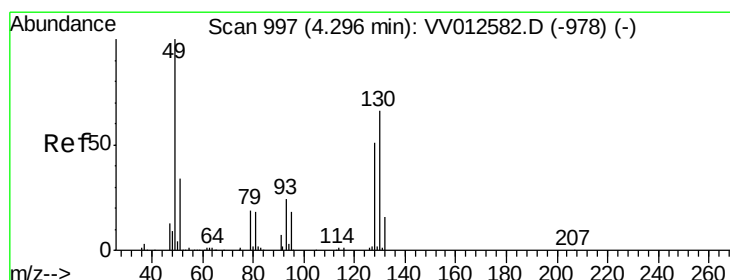
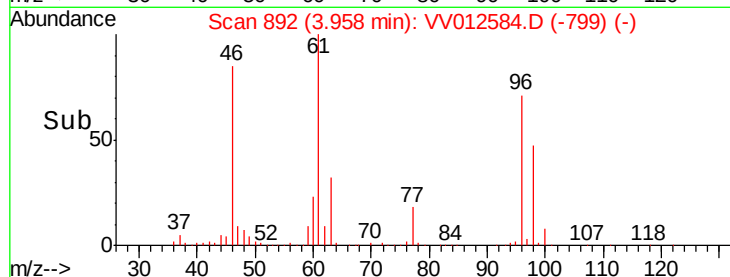
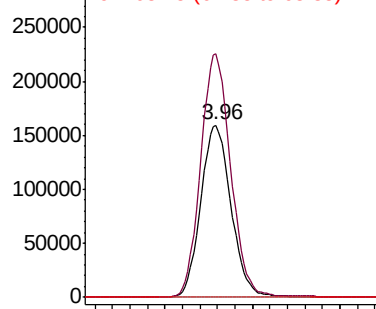
cis-1,2-Dichloroethene
 Concen: 16.199 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV012584.D
 Acq: 05 Sep 2019 14:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02035

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.2	93.9	174.5
68	0.0	0.0	0.0



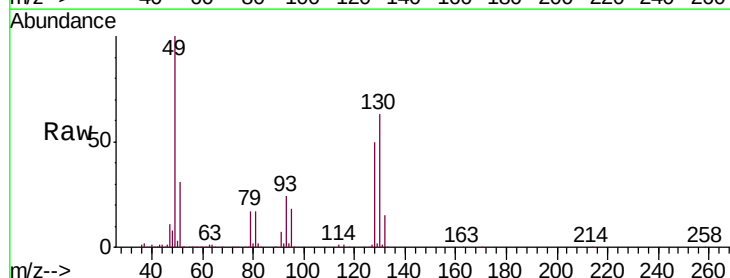
Abundance Ion 96.00 (95.70 to 96.70): VV012582.D (-875) (-)



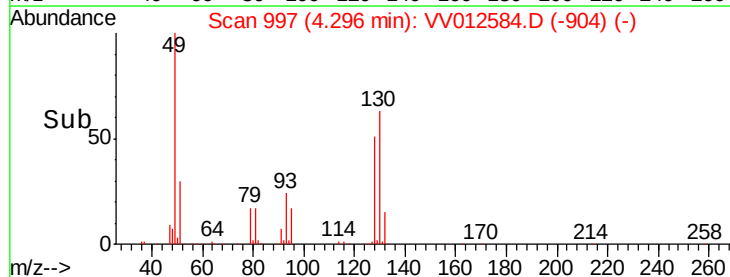
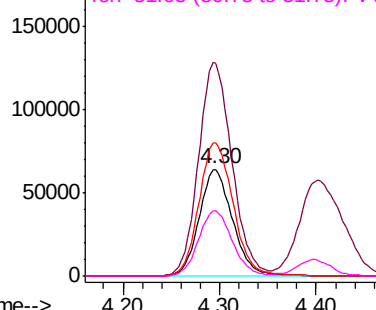
#23

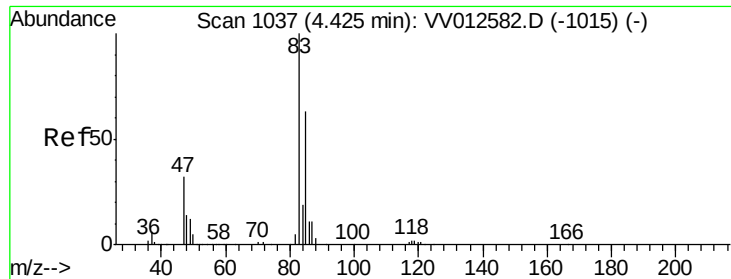
Bromochloromethane
 Concen: 16.058 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: VV012584.D
 Acq: 05 Sep 2019 14:37

Tgt Ion	Ratio	Lower	Upper
128	100		
49	199.1	137.1	254.7
130	125.1	90.9	168.9
51	60.8	54.4	81.6



Abundance Ion 127.90 (127.60 to 128.60): VV012582.D (-978) (-)

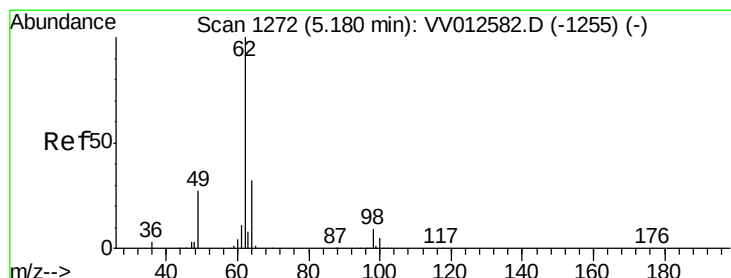
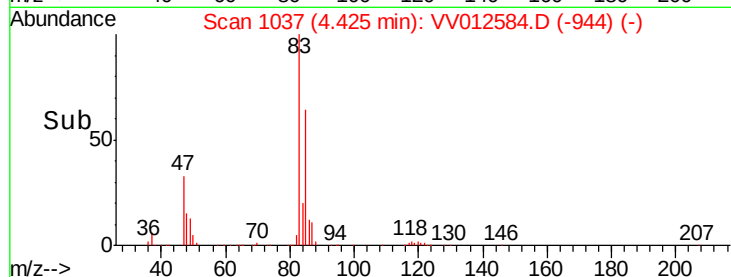
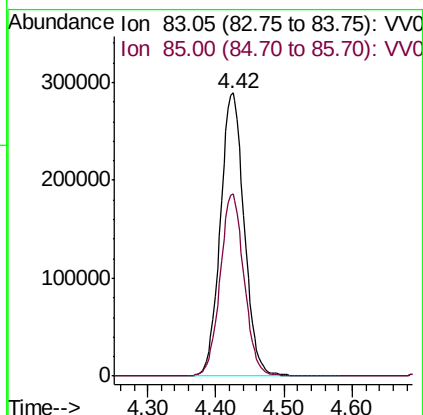
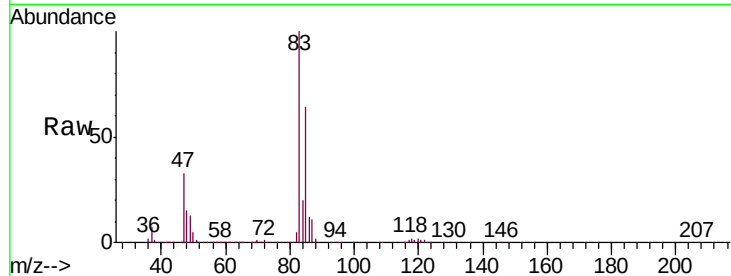




#25
Chloroform
Concen: 15.048 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV012584.D
Acq: 05 Sep 2019 14:37

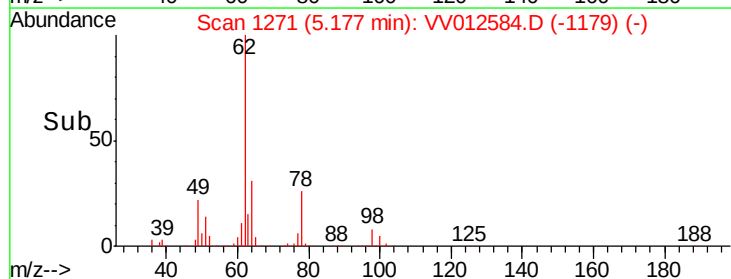
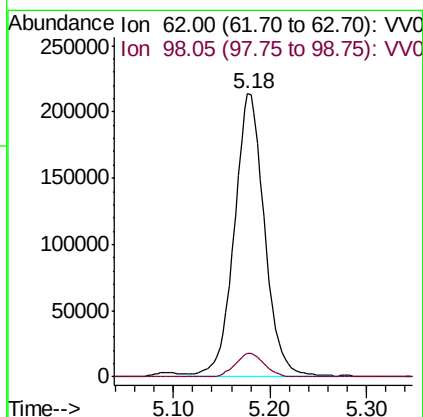
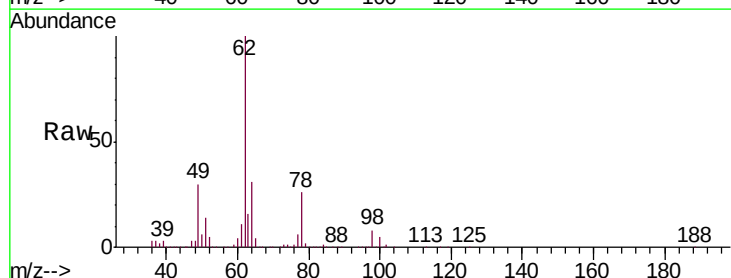
Instrument :
MSVOA_V
ClientSampleId :
VSTD02035

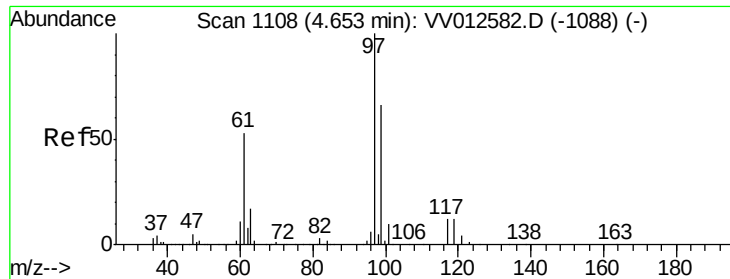
Tgt Ion: 83 Resp: 703935
Ion Ratio Lower Upper
83 100
85 64.2 44.4 82.5



#27
1,2-Dichloroethane
Concen: 16.939 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV012584.D
Acq: 05 Sep 2019 14:37

Tgt Ion: 62 Resp: 461092
Ion Ratio Lower Upper
62 100
98 8.4 7.0 10.4

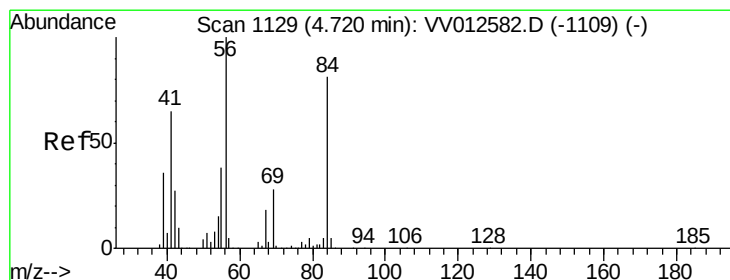
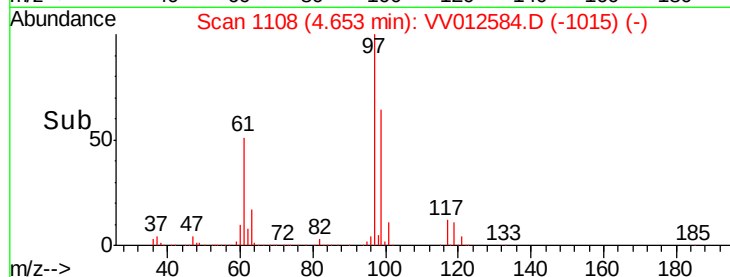
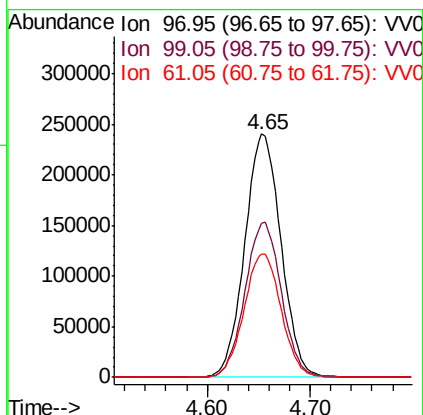
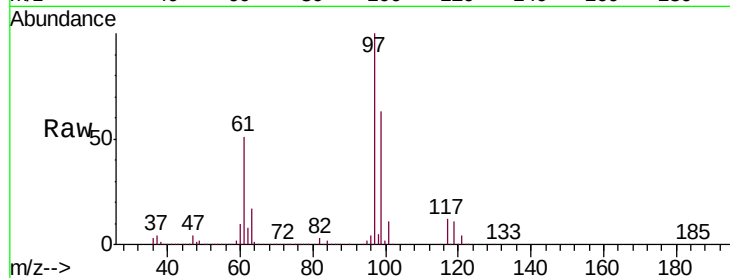




#29
 1,1,1-Trichloroethane
 Concen: 16.008 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: VV012584.D
 Acq: 05 Sep 2019 14:37

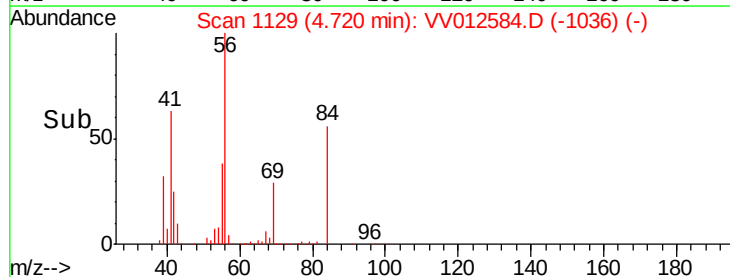
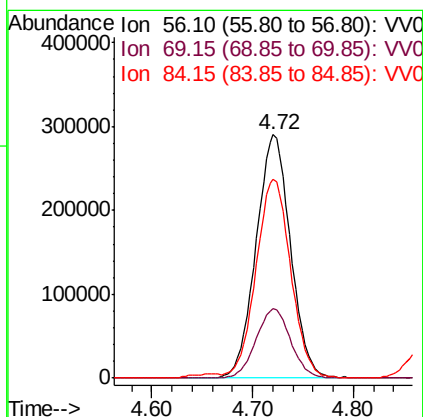
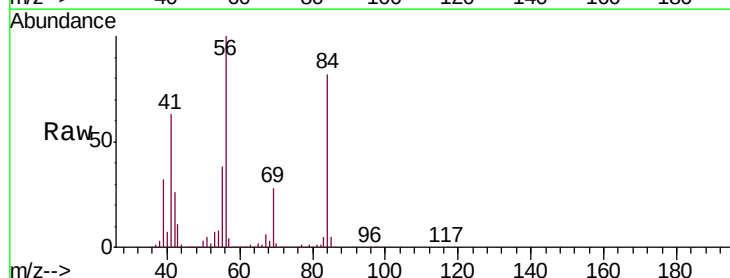
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02035

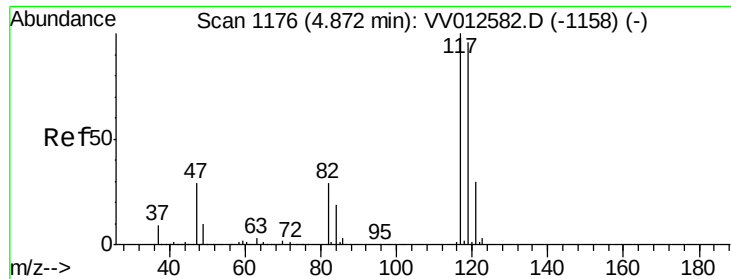
Tgt Ion: 97 Resp: 587764
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.8 77.6
 61 51.8 43.4 65.0



#30
 Cyclohexane
 Concen: 18.127 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. -0.00 min
 Lab File: VV012584.D
 Acq: 05 Sep 2019 14:37

Tgt Ion: 56 Resp: 685258
 Ion Ratio Lower Upper
 56 100
 69 28.8 23.4 35.0
 84 82.9 68.0 102.0

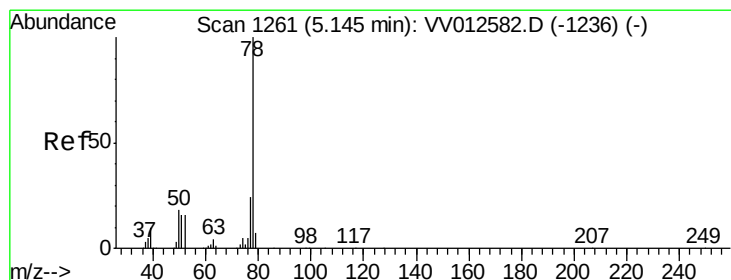
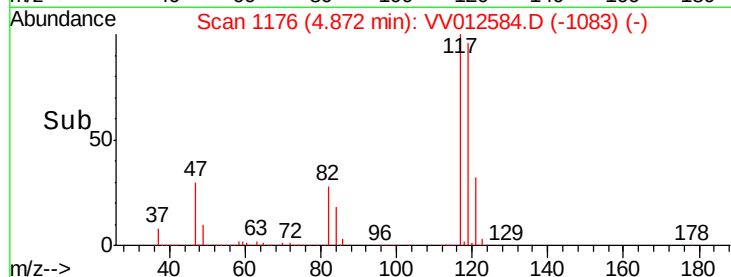
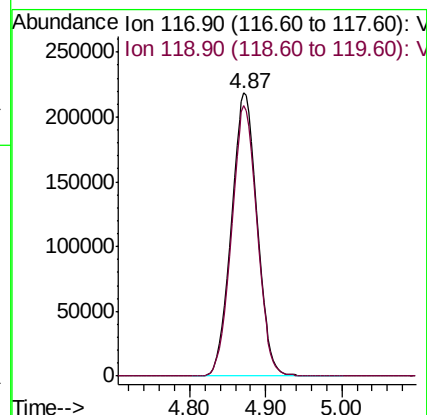
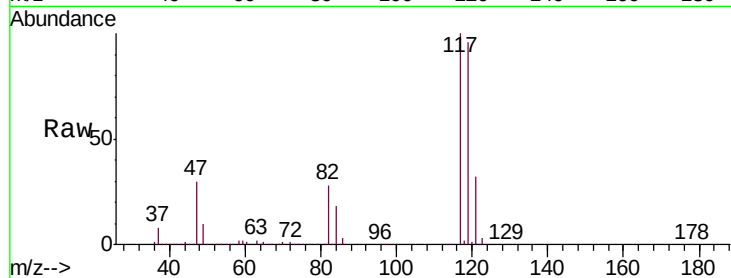




#31
Carbon tetrachloride
Concen: 16.033 ug/L
RT: 4.87 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VV012584.D
Acq: 05 Sep 2019 14:37

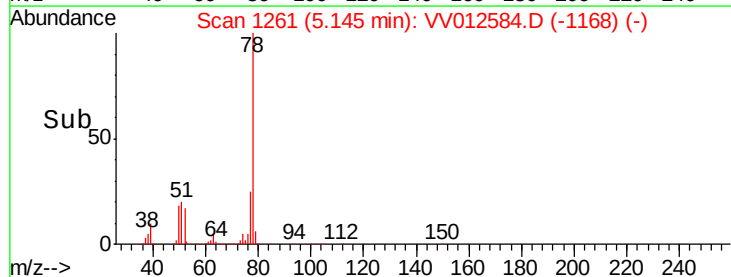
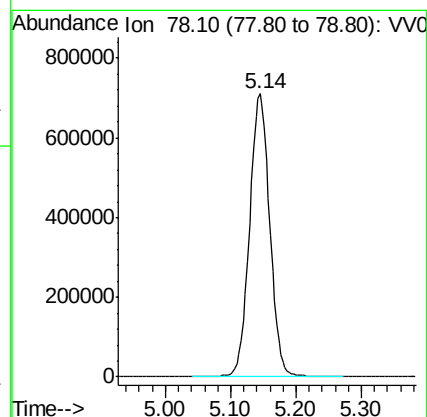
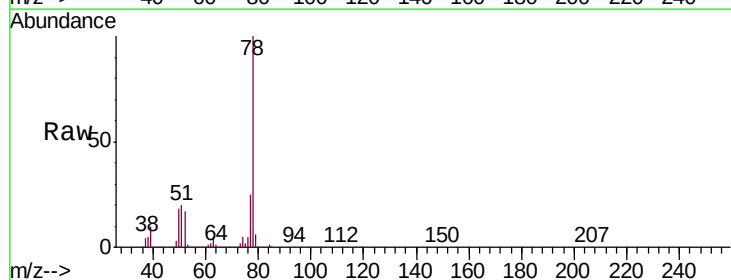
Instrument :
MSVOA_V
ClientSampleId :
VSTD02035

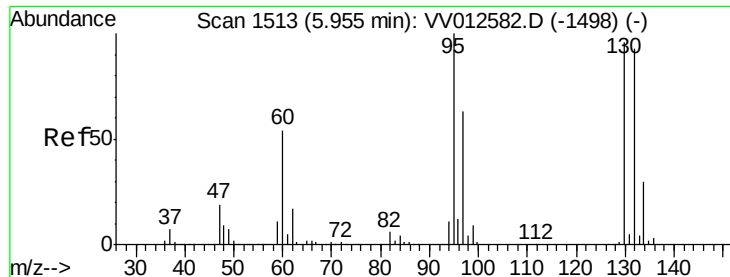
Tgt Ion:117 Resp: 515042
Ion Ratio Lower Upper
117 100
119 94.6 76.9 115.3



#33
Benzene
Concen: 16.857 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VV012584.D
Acq: 05 Sep 2019 14:37

Tgt Ion: 78 Resp: 1532790





#34

Trichloroethene

Concen: 15.778 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV012584.D

Acq: 05 Sep 2019 14:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD02035

Tgt Ion: 95 Resp: 399117

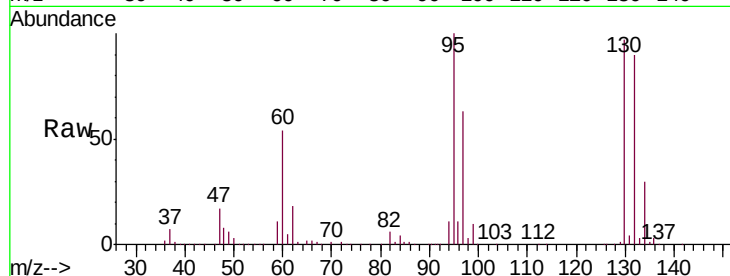
Ion Ratio Lower Upper

95 100

97 63.1 43.9 81.5

132 90.1 64.8 120.4

130 96.6 67.1 124.7

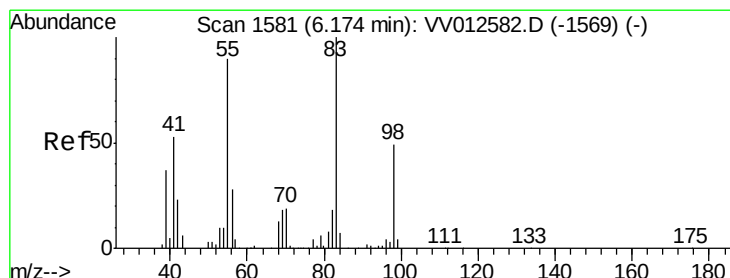
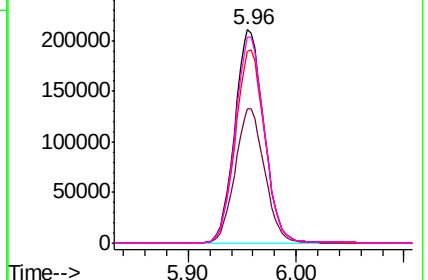
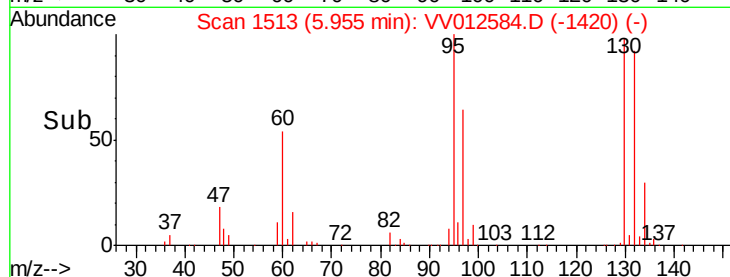


Abundance Ion 95.00 (94.70 to 95.70): VV012582.D (-1498) (-)

Ion 96.95 (96.65 to 97.65): VV012582.D (-1498) (-)

Ion 131.95 (131.65 to 132.65): VV012582.D (-1498) (-)

Ion 129.95 (129.65 to 130.65): VV012582.D (-1498) (-)



#35

Methylcyclohexane

Concen: 17.855 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV012584.D

Acq: 05 Sep 2019 14:37

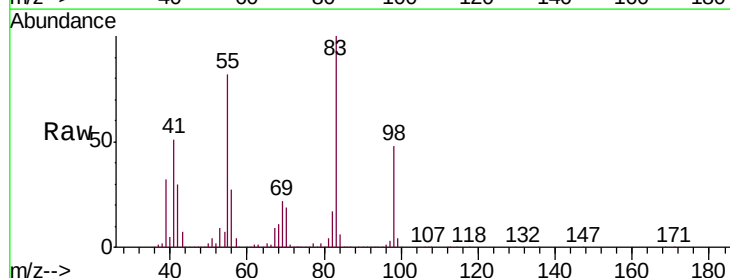
Tgt Ion: 83 Resp: 683818

Ion Ratio Lower Upper

83 100

55 81.8 69.0 103.6

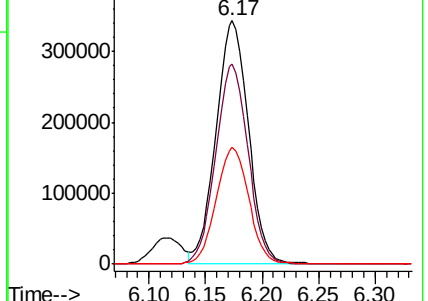
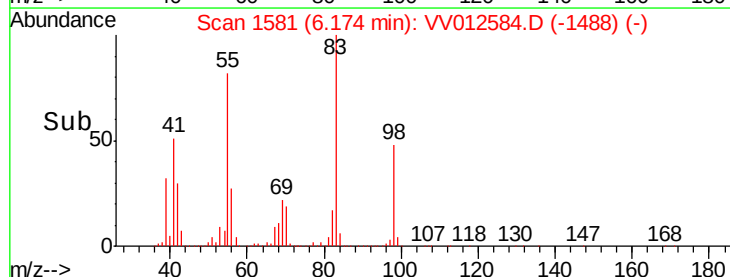
98 48.5 38.0 57.0

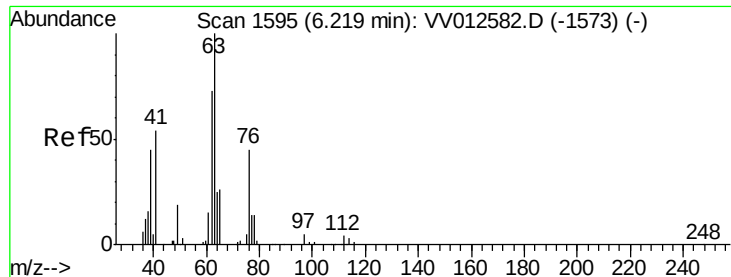


Abundance Ion 83.15 (82.85 to 83.85): VV012582.D (-1569) (-)

Ion 55.10 (54.80 to 55.80): VV012582.D (-1569) (-)

Ion 98.15 (97.85 to 98.85): VV012582.D (-1569) (-)

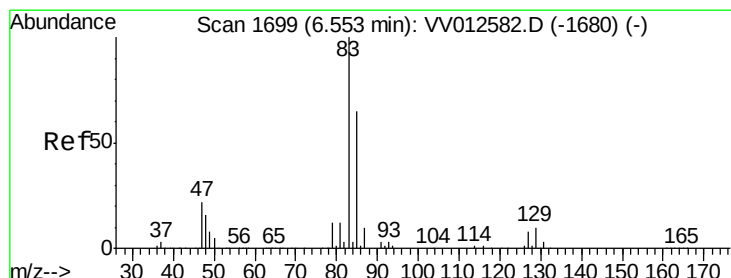
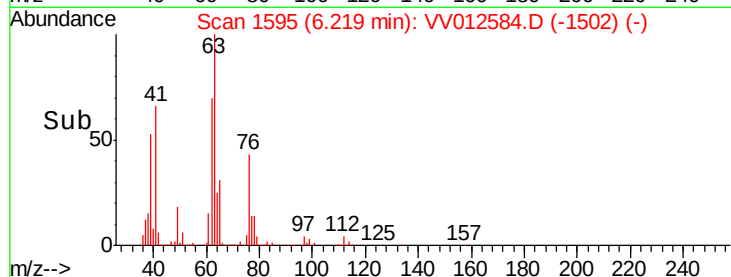
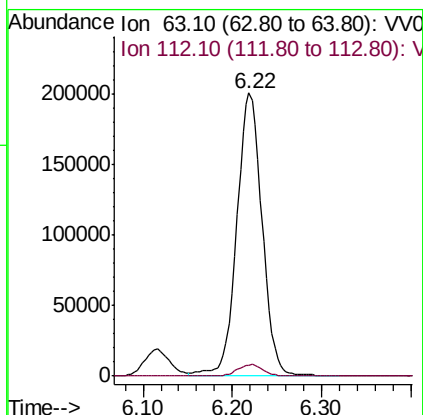
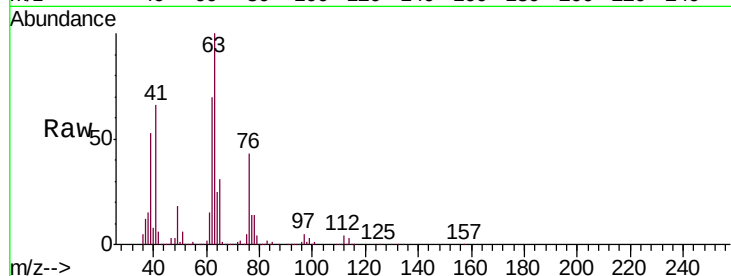




#37
 1,2-Dichloropropane
 Concen: 16.098 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV012584.D
 Acq: 05 Sep 2019 14:37

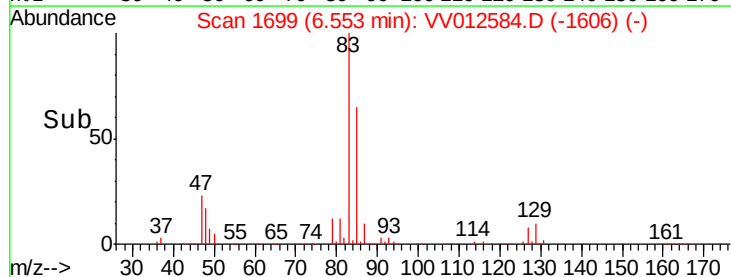
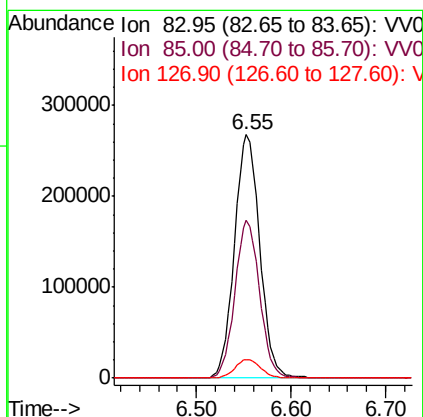
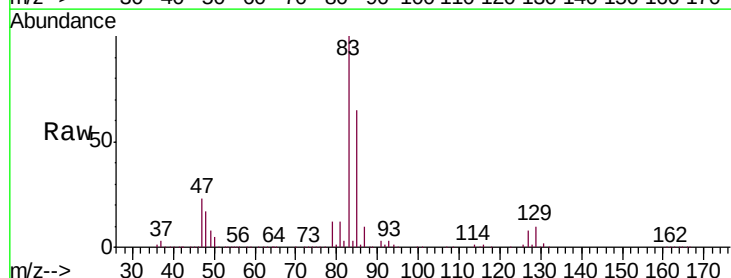
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02035

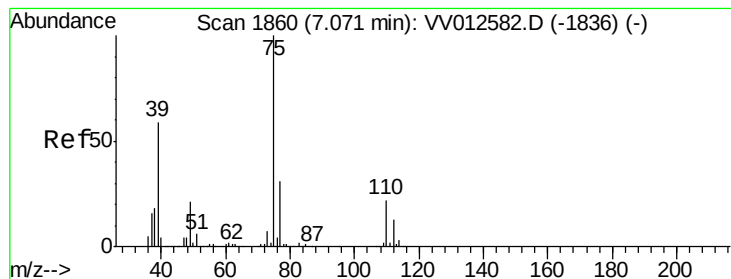
Tgt Ion: 63 Resp: 393820
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.9 5.9



#38
 Bromodichloromethane
 Concen: 16.242 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV012584.D
 Acq: 05 Sep 2019 14:37

Tgt Ion: 83 Resp: 499095
 Ion Ratio Lower Upper
 83 100
 85 64.6 45.6 84.8
 127 7.8 6.4 9.6





#39

cis-1,3-Dichloropropene

Concen: 18.350 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VV012584.D

Acq: 05 Sep 2019 14:37

Instrument :

MSVOA_V

ClientSampleId :

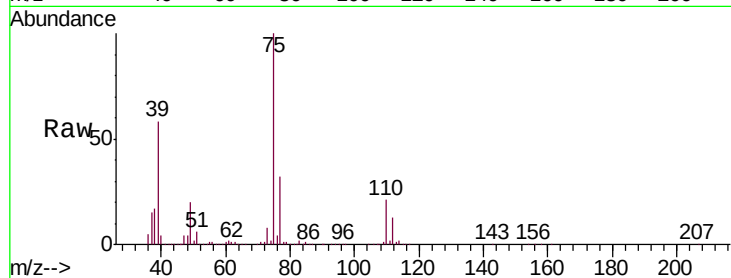
VSTD02035

Tgt Ion: 75 Resp: 572708

Ion Ratio Lower Upper

75 100

77 31.6 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.07

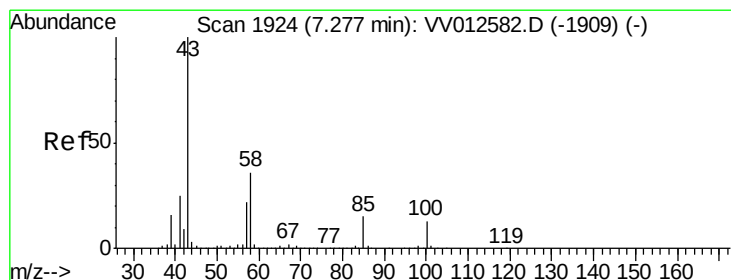
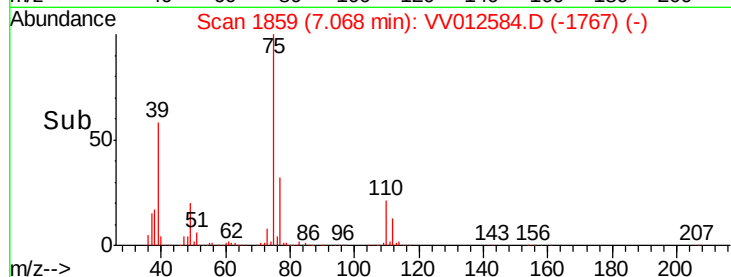
300000

200000

100000

0

Time--> 6.90 7.00 7.10 7.20



#40

4-Methyl-2-pentanone

Concen: 185.681 ug/L

RT: 7.28 min Scan# 1924

Delta R.T. -0.00 min

Lab File: VV012584.D

Acq: 05 Sep 2019 14:37

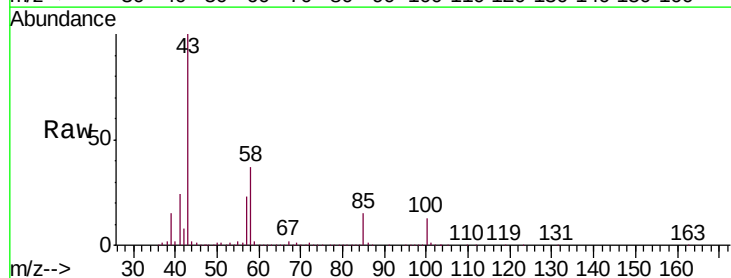
Tgt Ion: 43 Resp: 2606531

Ion Ratio Lower Upper

43 100

58 35.9 28.4 42.6

100 13.0 9.8 14.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0

7.28

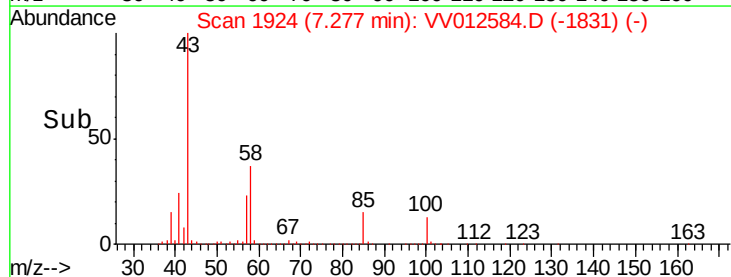
1500000

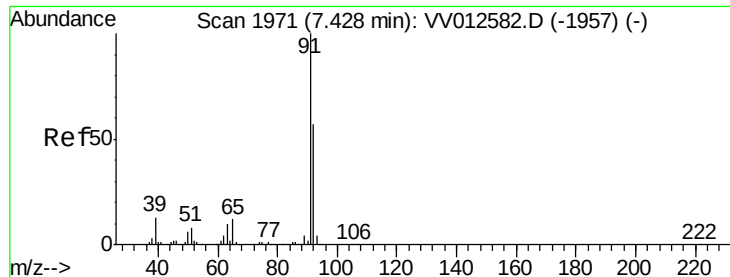
1000000

500000

0

Time--> 7.20 7.30 7.40





#42

Toluene

Concen: 17.023 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012584.D

Acq: 05 Sep 2019 14:37

Instrument :

MSVOA_V

ClientSampled :

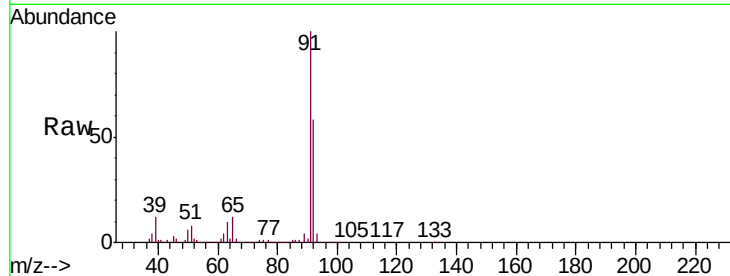
VSTD02035

Tgt Ion: 91 Resp: 1688520

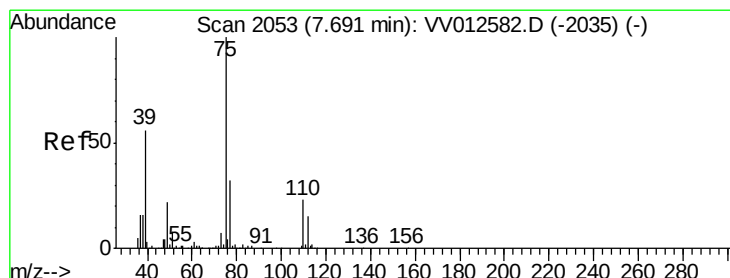
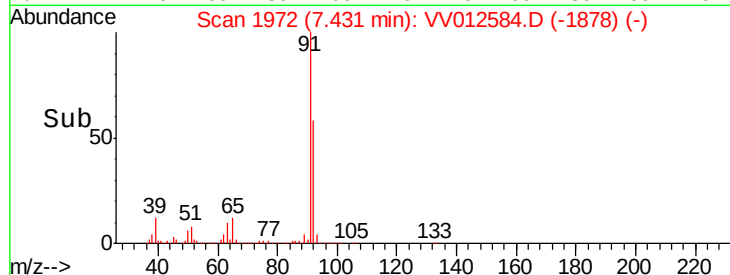
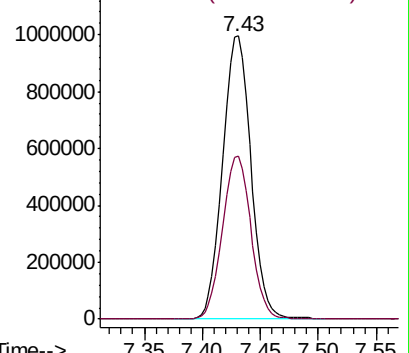
Ion Ratio Lower Upper

91 100

92 57.6 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 17.968 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV012584.D

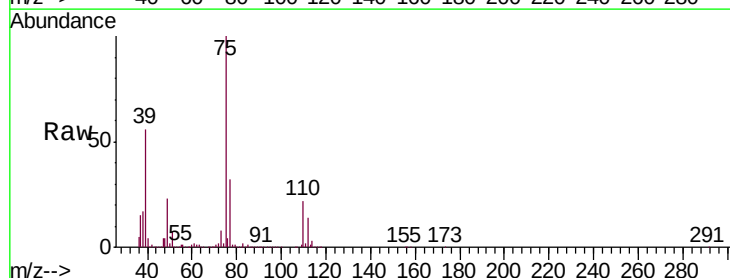
Acq: 05 Sep 2019 14:37

Tgt Ion: 75 Resp: 446565

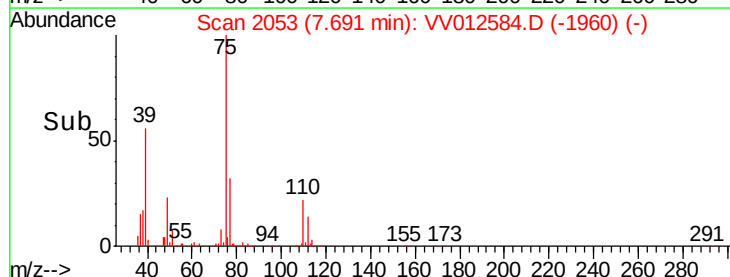
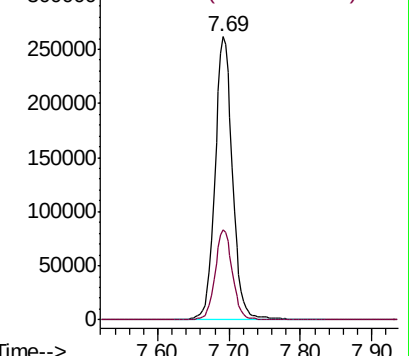
Ion Ratio Lower Upper

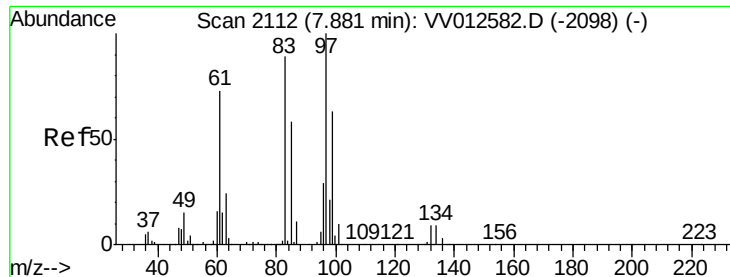
75 100

77 31.7 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VV0

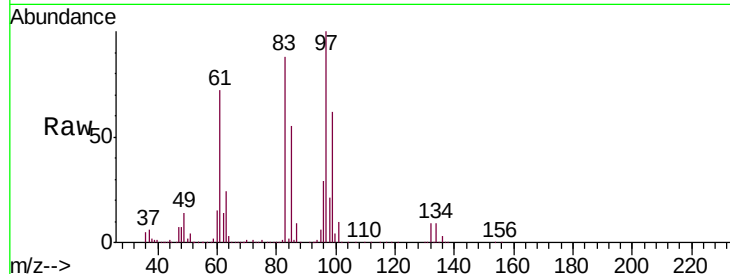




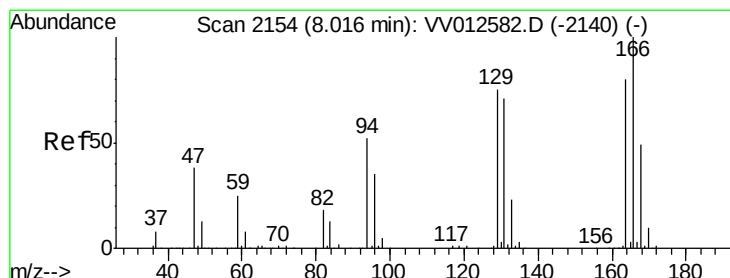
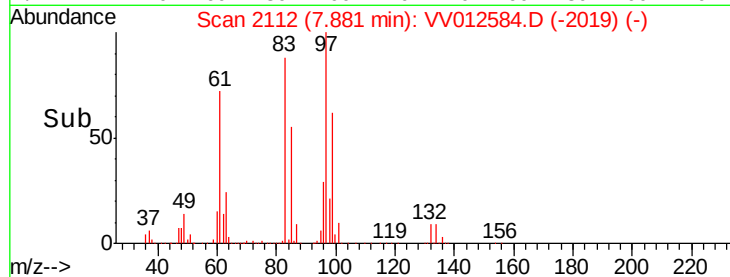
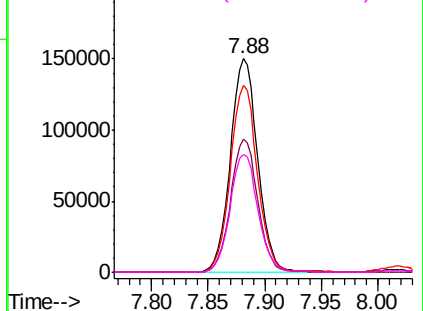
#45
 1,1,2-Trichloroethane
 Concen: 16.485 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV012584.D
 Acq: 05 Sep 2019 14:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02035

Tgt Ion:	97	Resp:	252584
Ion	Ratio	Lower	Upper
97	100		
99	62.1	44.3	82.3
83	87.8	62.6	116.3
85	55.4	40.7	75.5

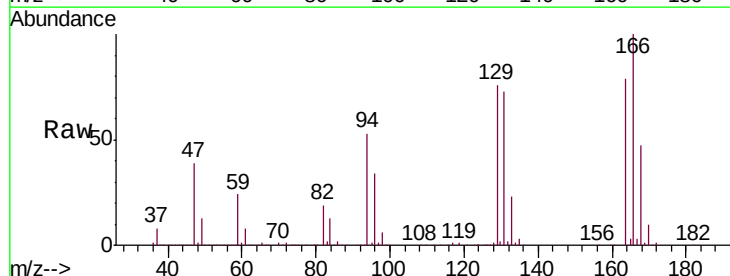


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

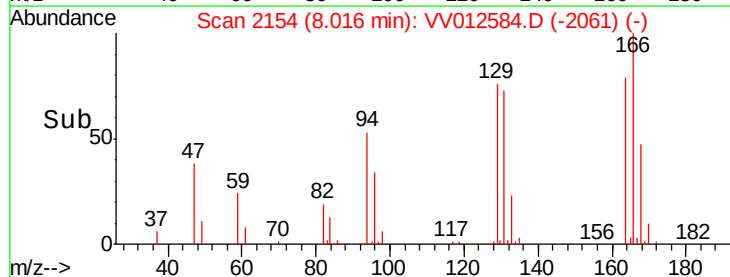
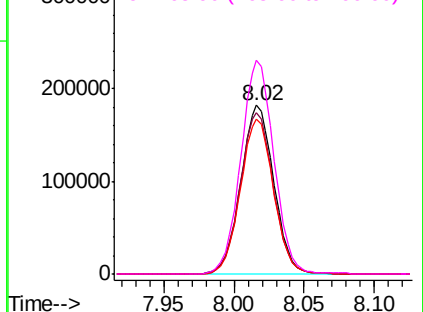


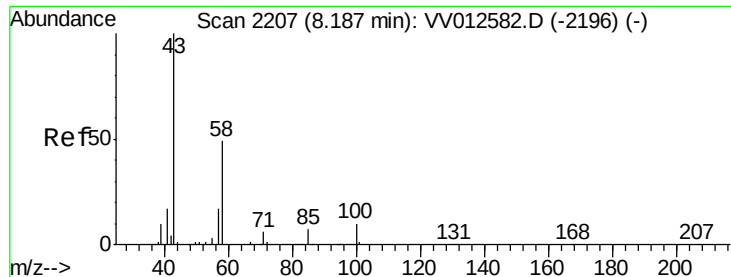
#47
 Tetrachloroethene
 Concen: 16.422 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV012584.D
 Acq: 05 Sep 2019 14:37

Tgt Ion:	164	Resp:	298365
Ion	Ratio	Lower	Upper
164	100		
129	95.5	65.0	120.6
131	91.8	62.0	115.2
166	126.5	87.0	161.6



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V



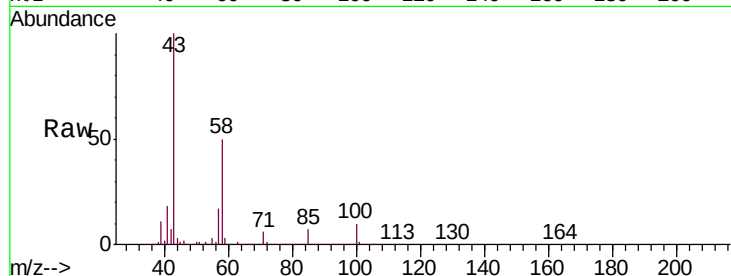


#48
2-Hexanone
Concen: 191.744 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV012584.D
Acq: 05 Sep 2019 14:37

Instrument :
MSVOA_V
ClientSampleId :
VSTD02035

Tgt Ion: 43 Resp: 1896123

Ion	Ratio	Lower	Upper
43	100		
58	50.6	39.3	58.9
57	17.5	12.9	19.3
100	10.3	8.0	12.0

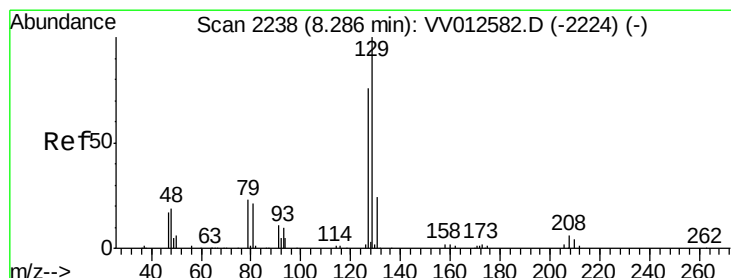
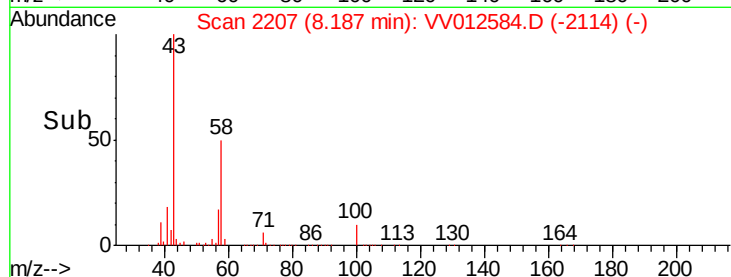
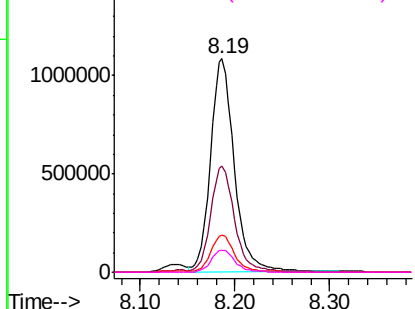


Abundance Ion 43.05 (42.75 to 43.75): VV012584.D (-2114) (-)

Ion 58.05 (57.75 to 58.75): VV012584.D (-2114) (-)

Ion 57.20 (56.90 to 57.90): VV012584.D (-2114) (-)

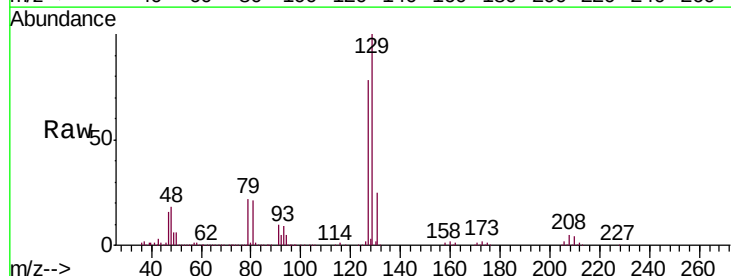
Ion 100.15 (99.85 to 100.85): VV012584.D (-2114) (-)



#49
Dibromochloromethane
Concen: 17.338 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012584.D
Acq: 05 Sep 2019 14:37

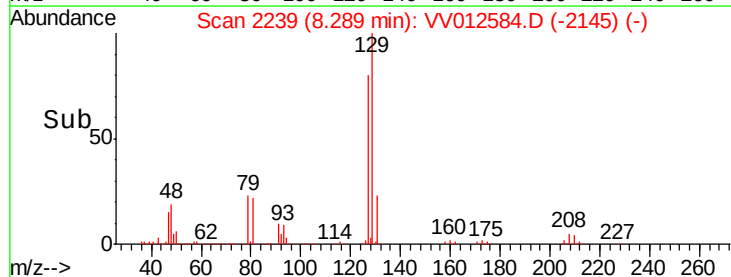
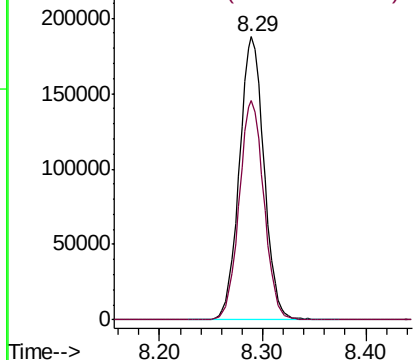
Tgt Ion: 129 Resp: 312082

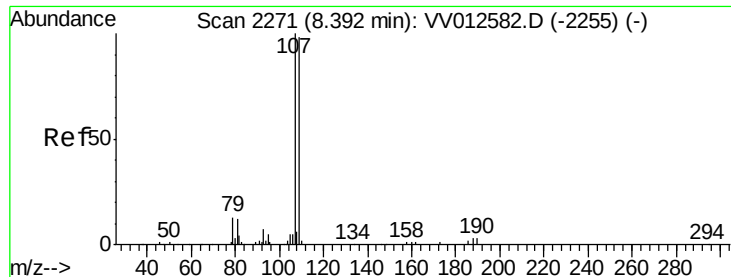
Ion	Ratio	Lower	Upper
129	100		
127	77.6	53.0	98.4



Abundance Ion 128.95 (128.65 to 129.65): VV012584.D (-2145) (-)

Ion 126.90 (126.60 to 127.60): VV012584.D (-2145) (-)

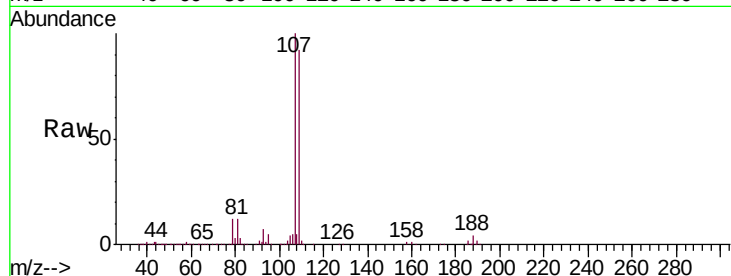




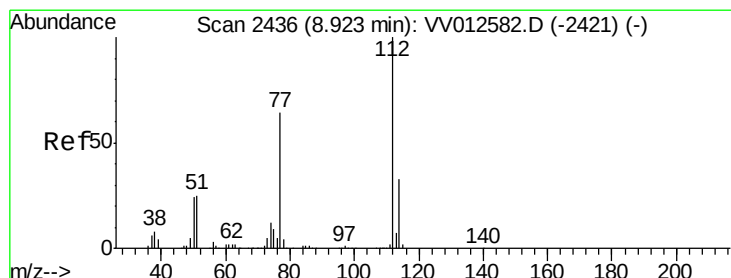
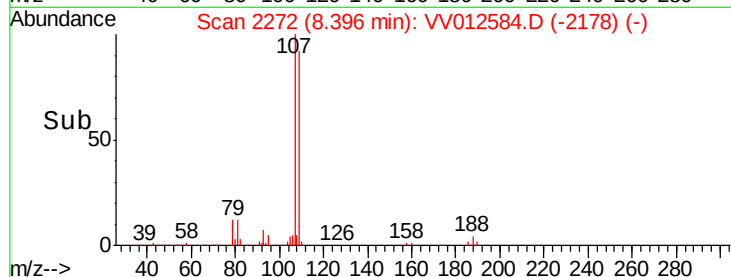
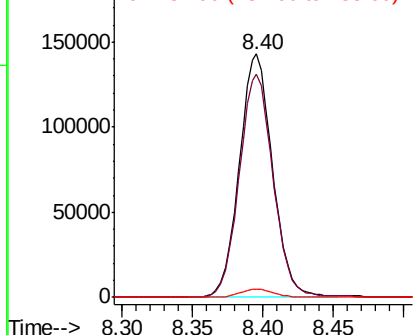
#50
1,2-Dibromoethane
Concen: 17.258 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV012584.D
Acq: 05 Sep 2019 14:37

Instrument :
MSVOA_V
ClientSampleId :
VSTD02035

Tgt Ion:107 Resp: 235977
Ion Ratio Lower Upper
107 100
109 91.9 68.5 127.3
188 3.6 2.6 3.8

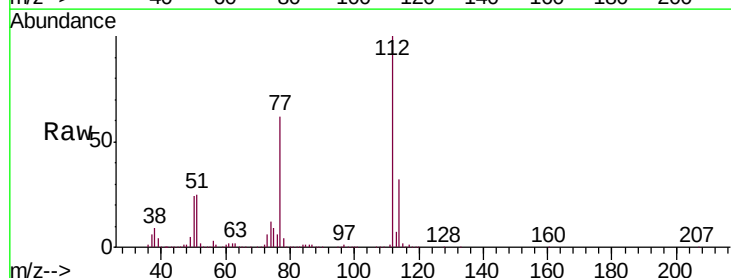


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

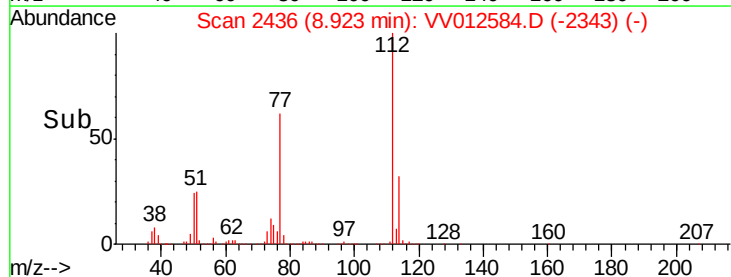
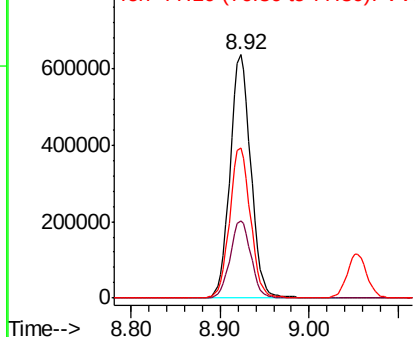


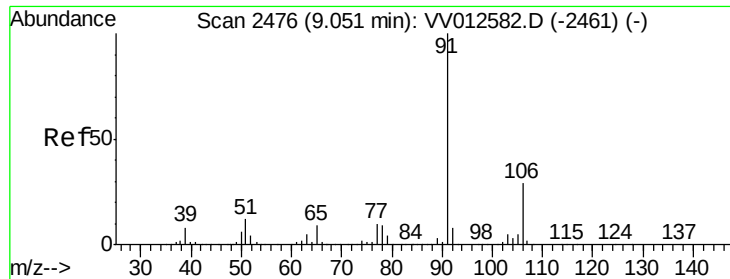
#51
Chlorobenzene
Concen: 16.515 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV012584.D
Acq: 05 Sep 2019 14:37

Tgt Ion:112 Resp: 1021980
Ion Ratio Lower Upper
112 100
114 31.9 22.7 42.3
77 61.8 51.7 77.5



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





#52

Ethylbenzene

Concen: 18.058 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012584.D

Acq: 05 Sep 2019 14:37

Instrument :

MSVOA_V

ClientSampleId :

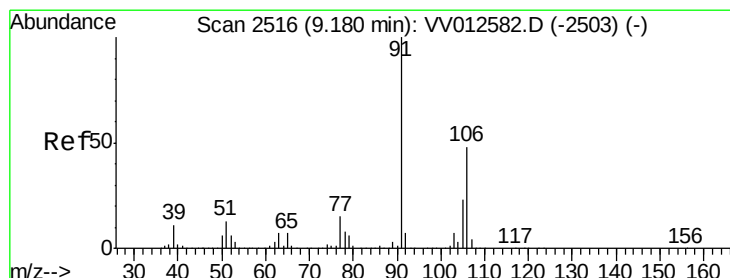
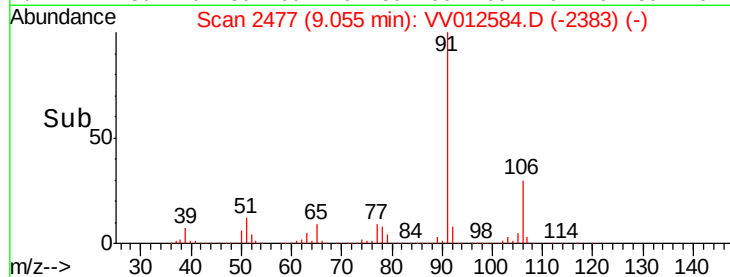
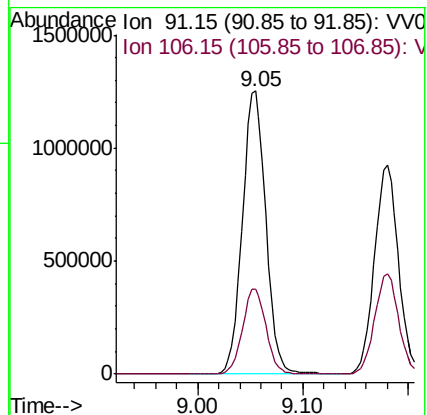
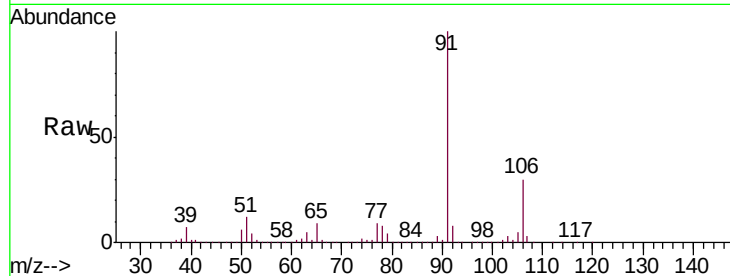
VSTD02035

Tgt Ion: 91 Resp: 1932557

Ion Ratio Lower Upper

91 100

106 30.2 20.6 38.2



#53

m,p-xylene

Concen: 18.146 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV012584.D

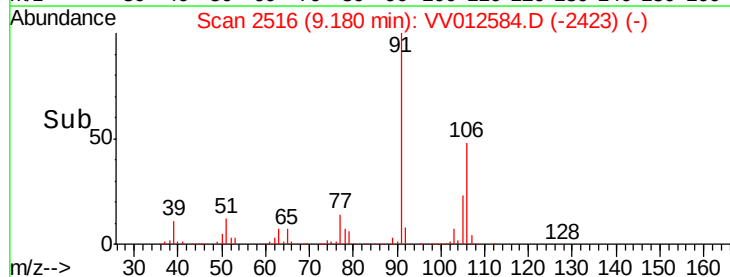
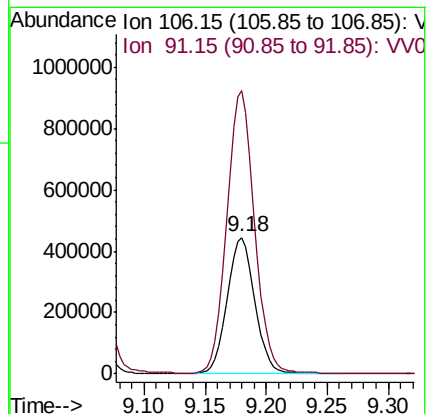
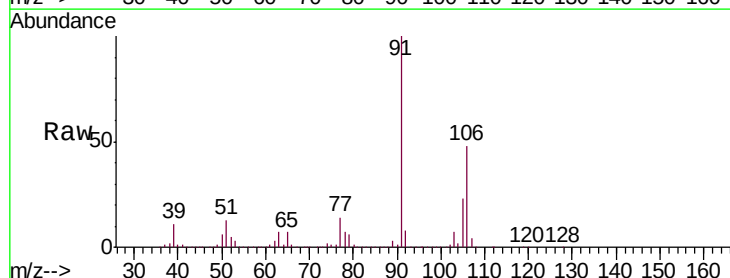
Acq: 05 Sep 2019 14:37

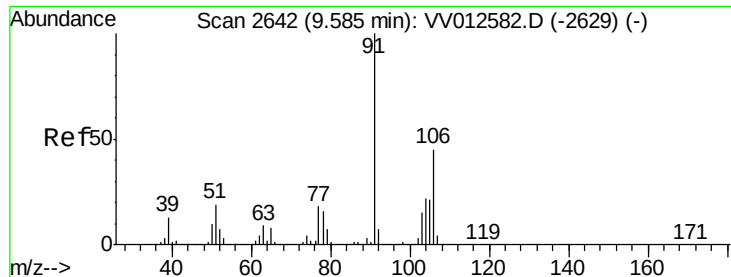
Tgt Ion: 106 Resp: 707240

Ion Ratio Lower Upper

106 100

91 207.1 145.0 269.2





#54

o-xylene

Concen: 18.796 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV012584.D

Acq: 05 Sep 2019 14:37

Instrument :

MSVOA_V

ClientSampleId :

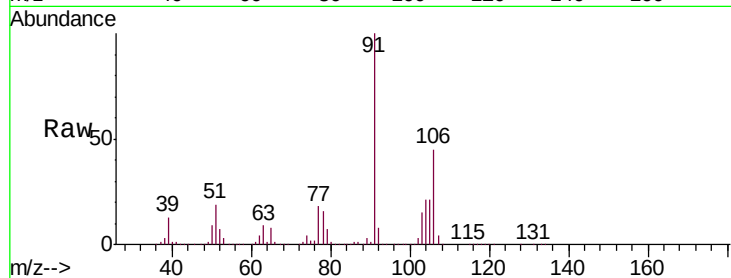
VSTD02035

Tgt Ion:106 Resp: 689281

Ion Ratio Lower Upper

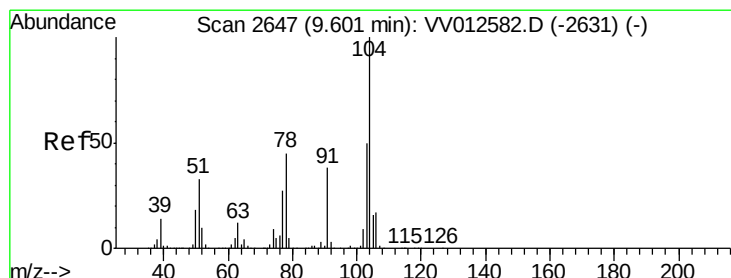
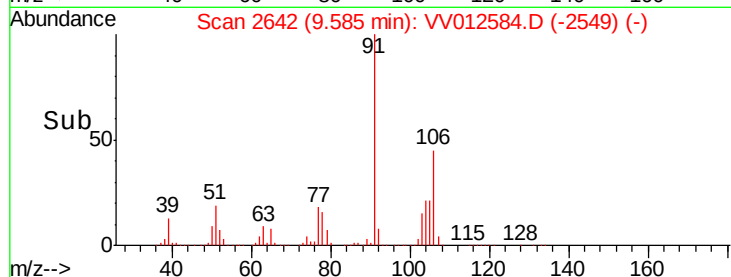
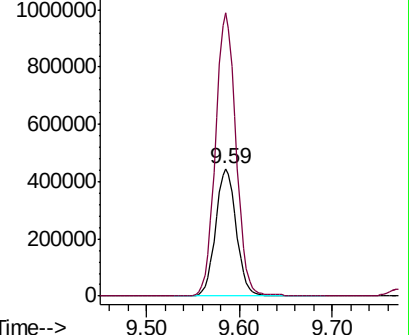
106 100

91 221.7 157.0 291.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 18.946 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. -0.00 min

Lab File: VV012584.D

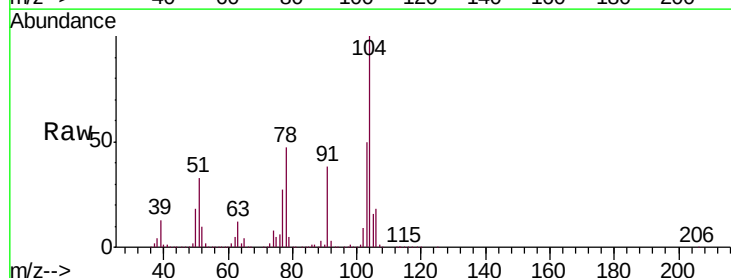
Acq: 05 Sep 2019 14:37

Tgt Ion:104 Resp: 1184998

Ion Ratio Lower Upper

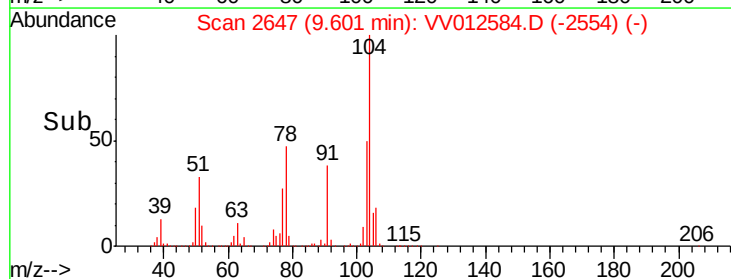
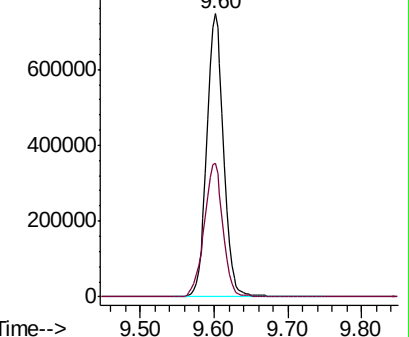
104 100

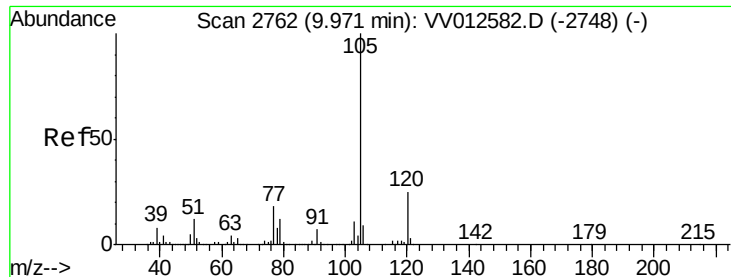
78 47.2 31.8 59.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 18.616 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012584.D

Acq: 05 Sep 2019 14:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD02035

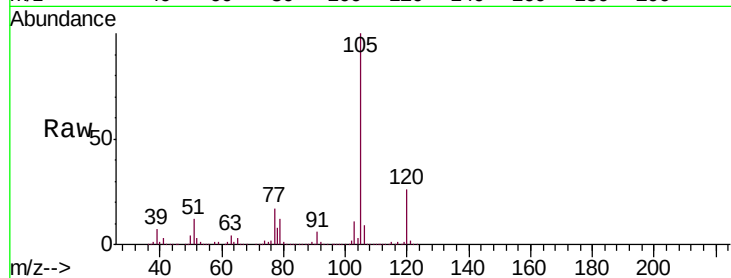
Tgt Ion:105 Resp: 1881427

Ion Ratio Lower Upper

105 100

120 25.9 20.6 30.8

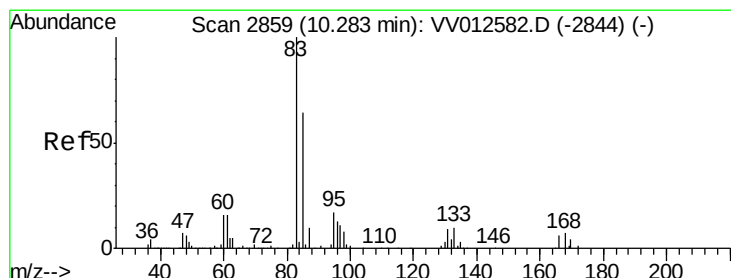
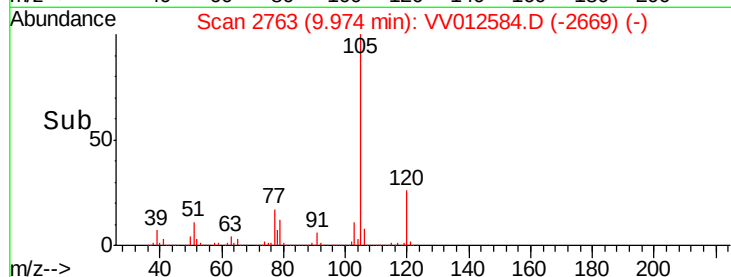
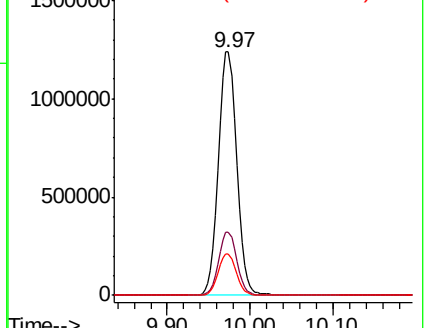
77 17.0 14.2 21.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 17.358 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV012584.D

Acq: 05 Sep 2019 14:37

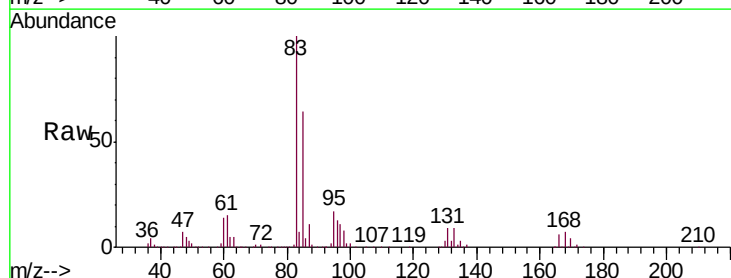
Tgt Ion: 83 Resp: 294408

Ion Ratio Lower Upper

83 100

85 64.0 44.7 82.9

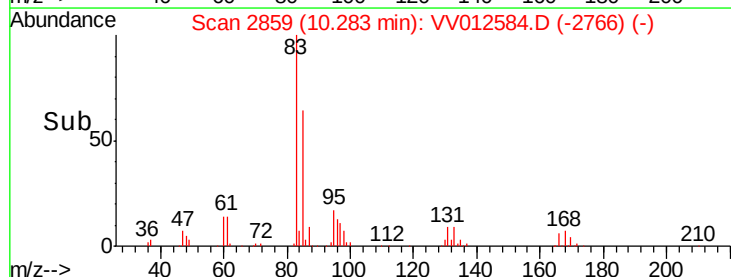
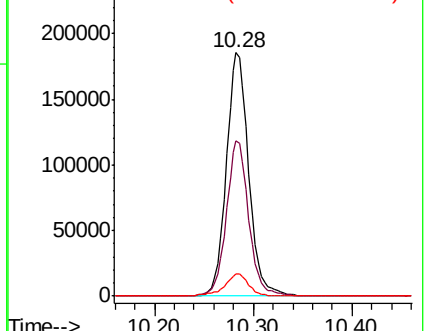
131 8.9 7.4 11.2

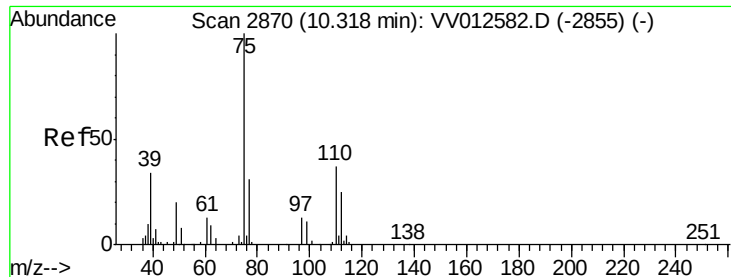


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 16.516 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV012584.D

Acq: 05 Sep 2019 14:37

Instrument :

MSVOA_V

ClientSampleId :

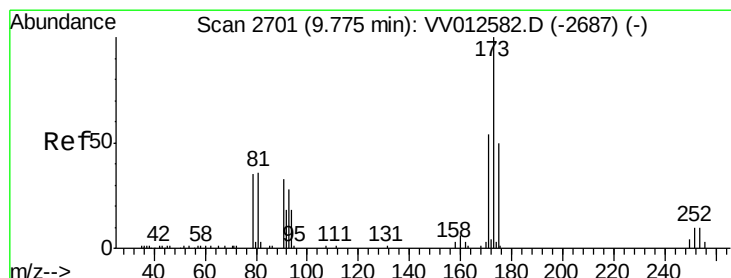
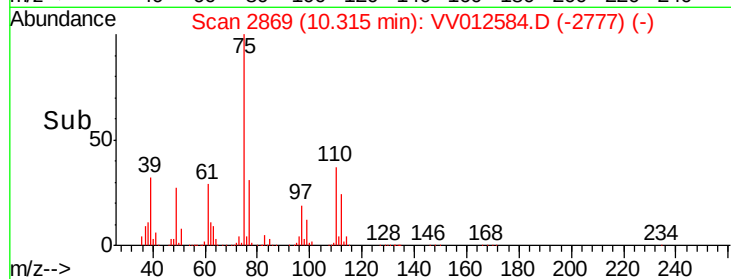
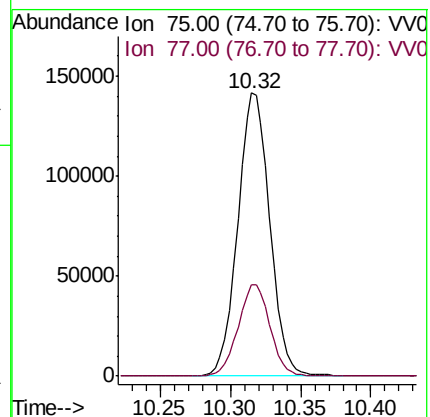
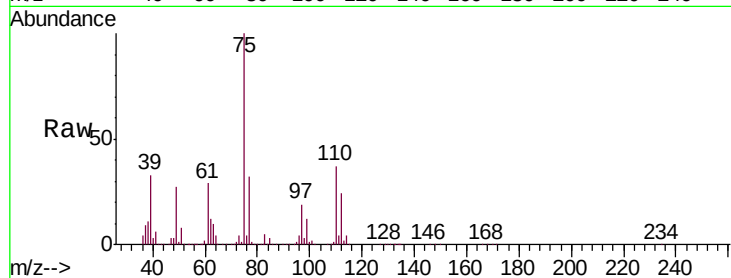
VSTD02035

Tgt Ion: 75 Resp: 225116

Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.8



#61

Bromoform

Concen: 17.198 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV012584.D

Acq: 05 Sep 2019 14:37

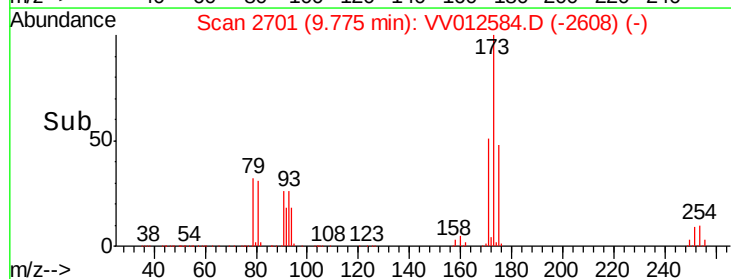
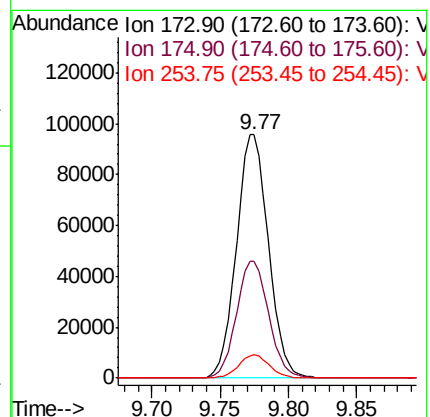
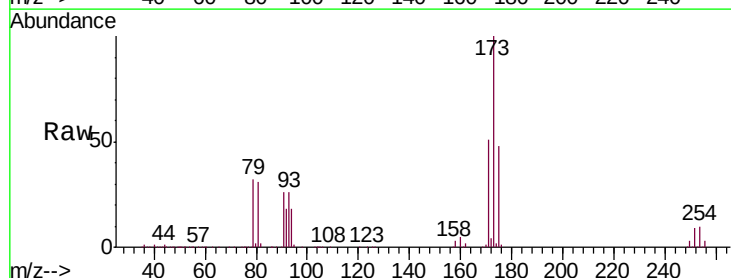
Tgt Ion: 173 Resp: 155988

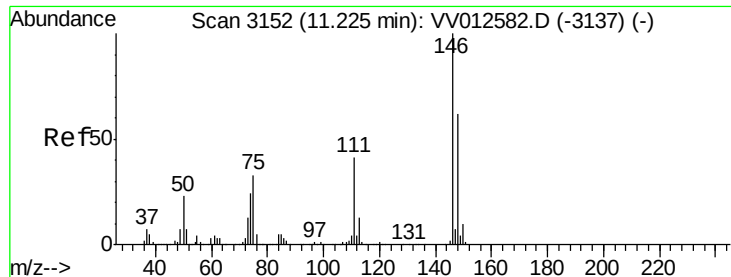
Ion Ratio Lower Upper

173 100

175 48.2 39.6 59.4

254 9.1 7.1 10.7





#62

1,3-Dichlorobenzene

Concen: 16.438 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. -0.00 min

Lab File: VV012584.D

Acq: 05 Sep 2019 14:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD02035

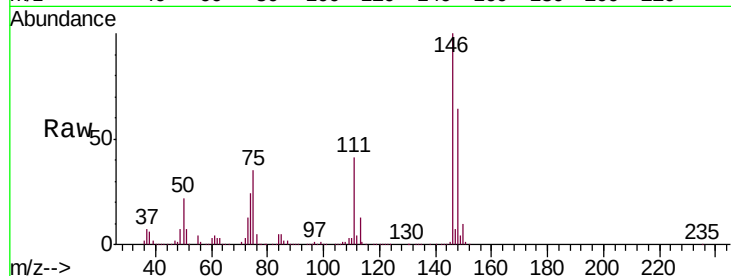
Tgt Ion:146 Resp: 787164

Ion Ratio Lower Upper

146 100

111 41.2 28.4 52.8

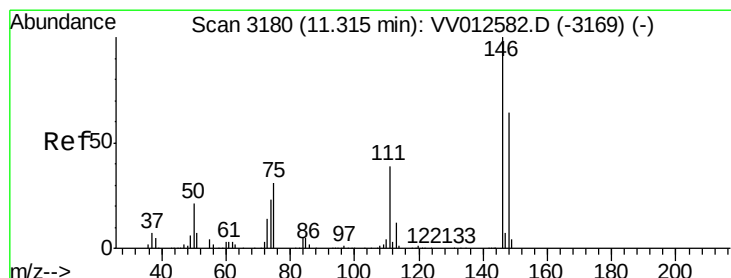
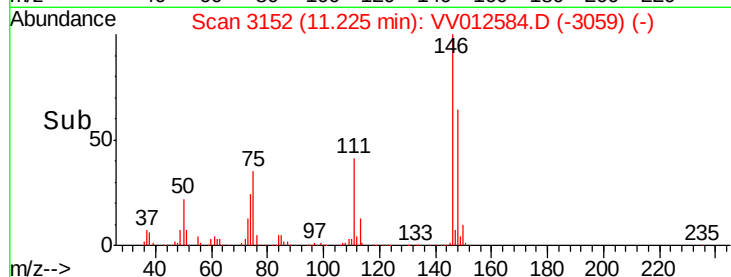
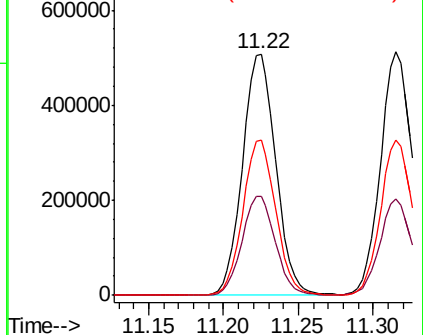
148 64.5 43.5 80.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 15.874 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV012584.D

Acq: 05 Sep 2019 14:37

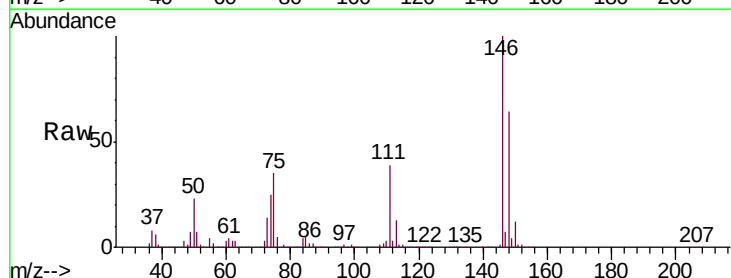
Tgt Ion:146 Resp: 777076

Ion Ratio Lower Upper

146 100

111 39.5 27.5 51.1

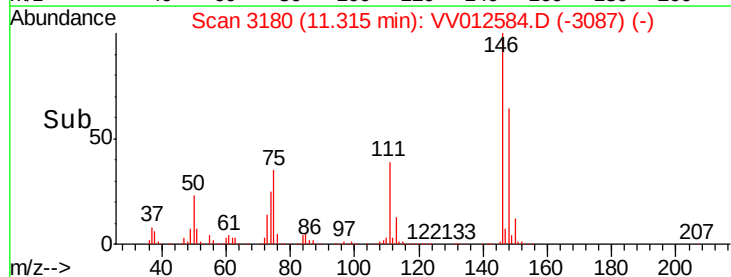
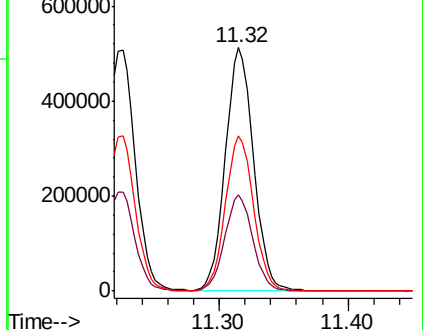
148 63.8 44.8 83.2

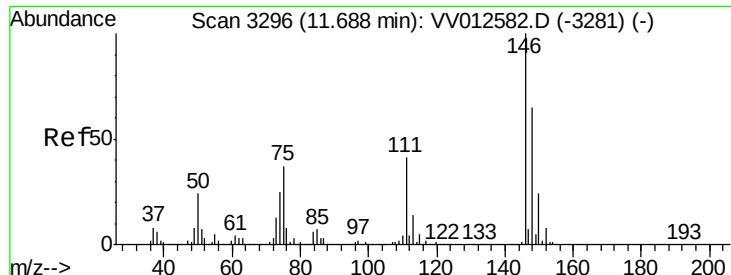


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 16.462 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV012584.D

Acq: 05 Sep 2019 14:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD02035

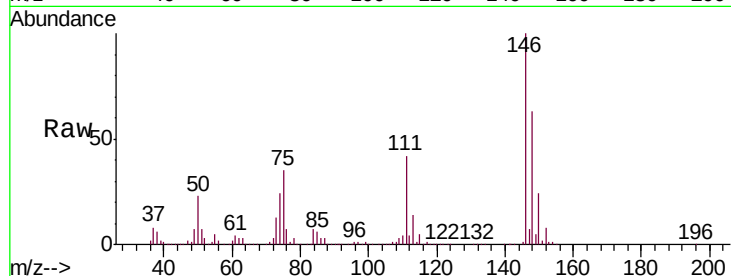
Tgt Ion:146 Resp: 723841

Ion Ratio Lower Upper

146 100

111 42.5 33.1 49.7

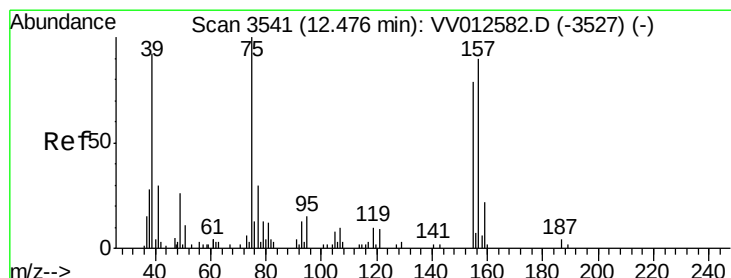
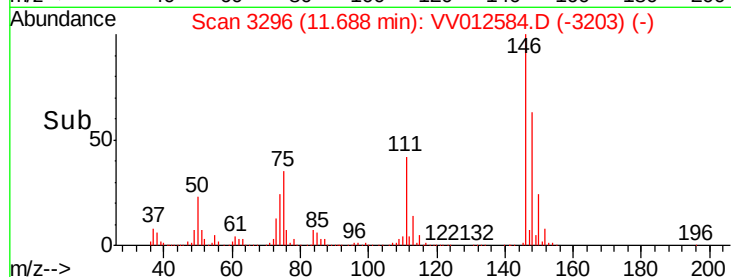
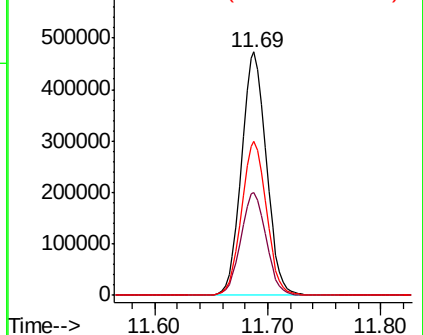
148 63.4 52.2 78.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 16.192 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. -0.00 min

Lab File: VV012584.D

Acq: 05 Sep 2019 14:37

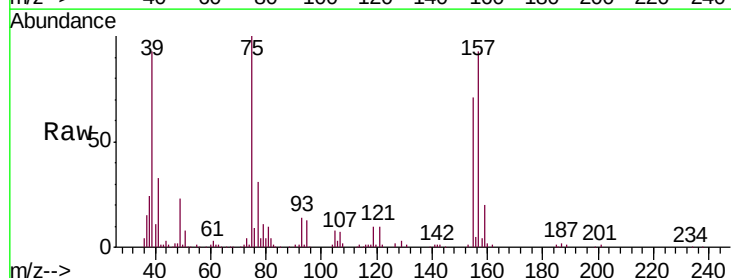
Tgt Ion: 75 Resp: 47808

Ion Ratio Lower Upper

75 100

155 70.5 63.0 94.6

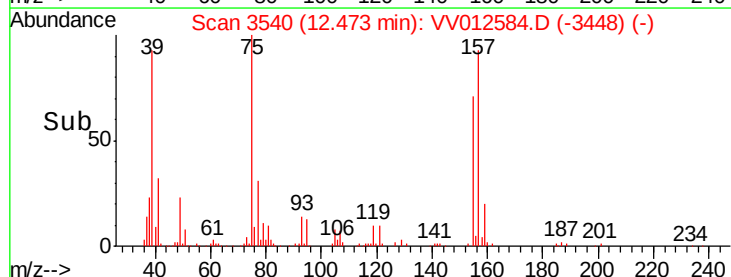
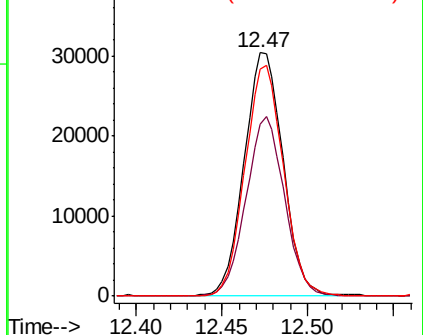
157 93.4 72.2 108.4

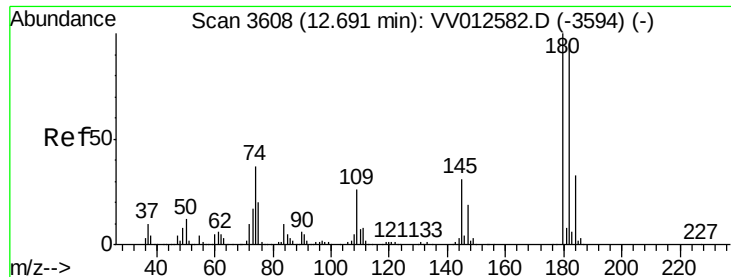


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

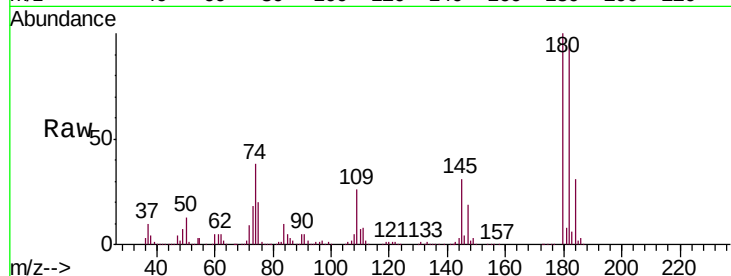




#67
 1,3,5-Trichlorobenzene
 Concen: 16.253 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV012584.D
 Acq: 05 Sep 2019 14:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02035

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.0	114.0
184	30.5	25.3	37.9
145	30.6	24.7	37.1



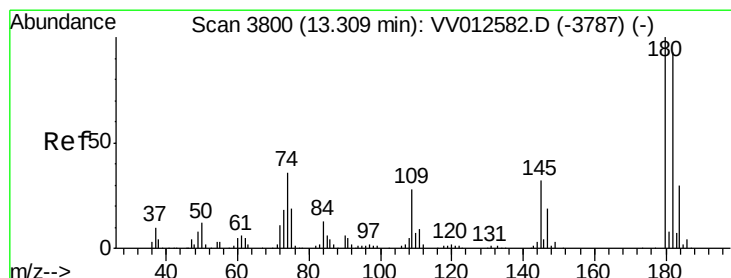
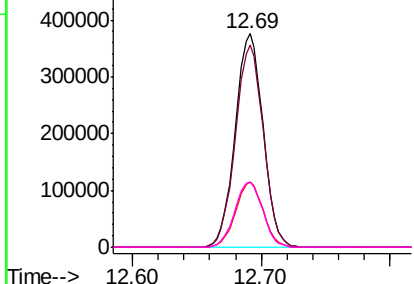
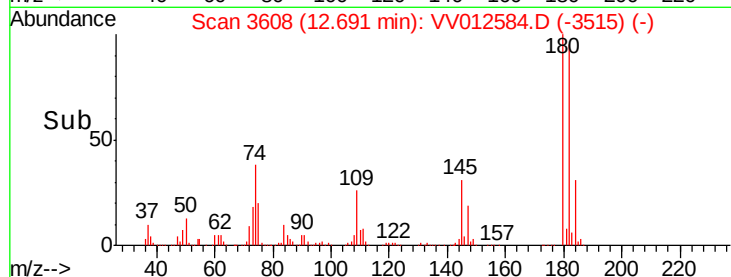
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

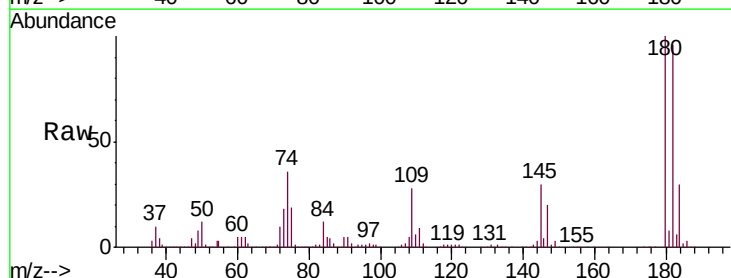
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 18.550 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV012584.D
 Acq: 05 Sep 2019 14:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	74.7	112.1
145	30.7	24.9	37.3

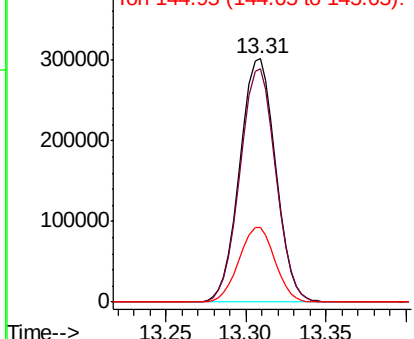
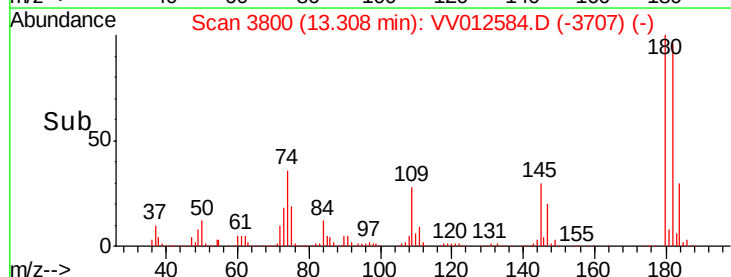


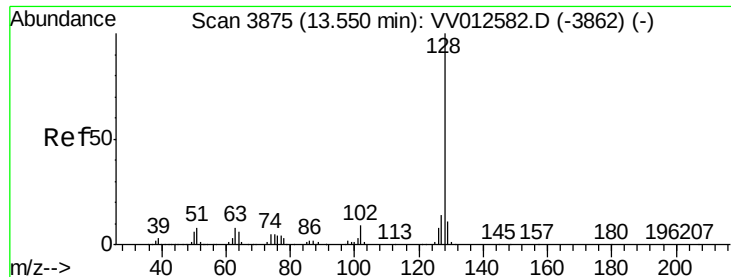
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 22.132 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV012584.D

Acq: 05 Sep 2019 14:37

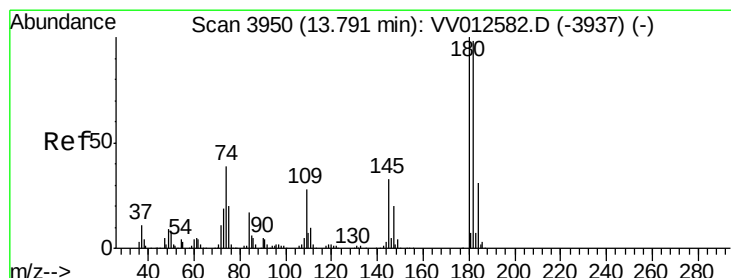
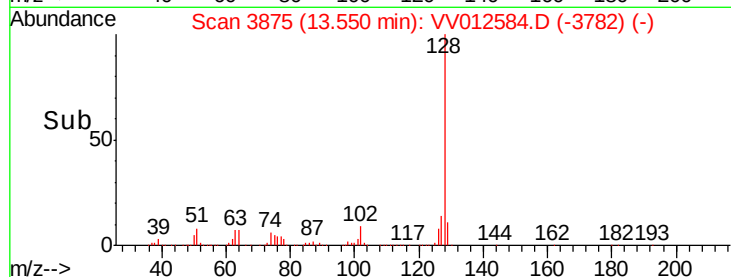
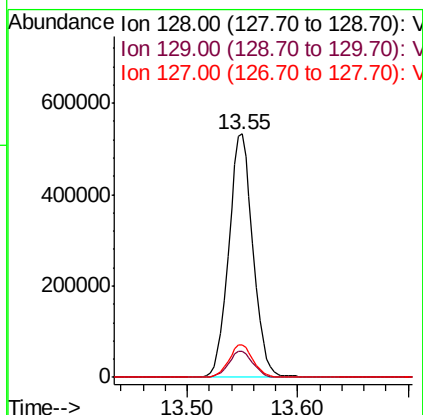
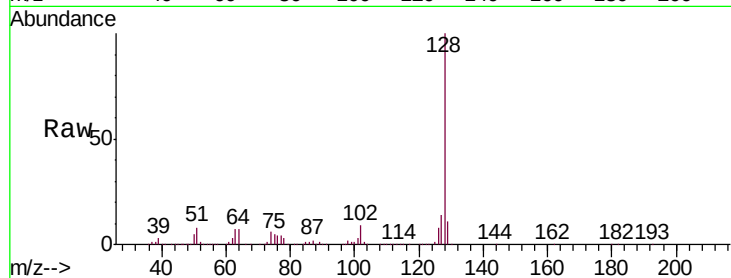
Instrument :

MSVOA_V

ClientSampleId :

VSTD02035

Tgt Ion:	128	Resp:	810285
Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	12.8
127	13.5	11.1	16.7



#70

1,2,3-Trichlorobenzene

Concen: 18.714 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV012584.D

Acq: 05 Sep 2019 14:37

Tgt Ion:	180	Resp:	426354
Ion	Ratio	Lower	Upper
180	100		
182	94.8	77.8	116.6
145	32.7	26.8	40.2

