

Data File : VV013445.D
Acq On : 31 Oct 2019 13:59
Operator : SY/MD
Sample : VSTD00134
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00134

Quant Time: Nov 01 04:53:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR103119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 01 04:50:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	359889	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	385415	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	218428	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	27101	0.83	ug/L	0.00
7) Chloroethane-d5	1.58	69	22365	0.86	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	45463	0.84	ug/L	0.00
20) 2-Butanone-d5	3.98	46	21817	2.85	ug/L	0.03
24) Chloroform-d	4.40	84	64995	0.99	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	33135	1.00	ug/L	0.00
32) Benzene-d6	5.10	84	122458	0.93	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	39639	0.96	ug/L	0.00
41) Toluene-d8	7.36	98	111827	0.93	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	15567	1.02	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	49039	9.64	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	29541	1.07	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	46291	1.07	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	38543	0.810 ug/L	100
3) Chloromethane	1.25	50	30978	0.774 ug/L	98
5) Vinyl chloride	1.32	62	30381	0.779 ug/L	93
6) Bromomethane	1.53	94	14205	0.699 ug/L	96
8) Chloroethane	1.60	64	16445	0.745 ug/L	98
9) Trichlorofluoromethane	1.77	101	41331	0.807 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	23848	0.838 ug/L	99
12) 1,1-Dichloroethene	2.14	96	21951	0.803 ug/L	93
13) Acetone	2.24	43	19207	4.907 ug/L	73
14) Carbon disulfide	2.31	76	70369	0.854 ug/L	97
15) Methyl Acetate	2.47	43	8433	0.589 ug/L	99
16) Methylene chloride	2.53	84	39928	1.008 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	64480	0.874 ug/L	96
18) trans-1,2-Dichloroethene	2.79	96	30238	0.837 ug/L	99
19) 1,1-Dichloroethane	3.23	63	54676	0.825 ug/L	98
21) 2-Butanone	4.07	43	51019	5.996 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	31348	0.859 ug/L #	86
23) Bromochloromethane	4.30	128	14577	0.882 ug/L	96
25) Chloroform	4.43	83	63304	0.899 ug/L	98
27) 1,2-Dichloroethane	5.18	62	33906	0.872 ug/L #	95
29) 1,1,1-Trichloroethane	4.65	97	45096	0.799 ug/L	97
30) Cyclohexane	4.72	56	46150	0.774 ug/L	99
31) Carbon tetrachloride	4.87	117	40131	0.783 ug/L	97
33) Benzene	5.14	78	111540	0.784 ug/L	100
34) Trichloroethene	5.96	95	31511	0.804 ug/L	93
35) Methylcyclohexane	6.17	83	43963	0.753 ug/L	98
37) 1,2-Dichloropropane	6.22	63	28418	0.791 ug/L #	96
38) Bromodichloromethane	6.55	83	38540	0.850 ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	39087	0.800 ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	175766	8.540 ug/L	96

Data File : VV013445.D
Acq On : 31 Oct 2019 13:59
Operator : SY/MD
Sample : VSTD00134
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00134

Quant Time: Nov 01 04:53:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR103119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 01 04:50:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	119807	0.811	ug/L	95
44) trans-1,3-Dichloropropene	7.69	75	30100	0.775	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	21730	0.900	ug/L	98
47) Tetrachloroethene	8.02	164	27822	0.842	ug/L	98
48) 2-Hexanone	8.19	43	133533	9.018	ug/L	96
49) Dibromochloromethane	8.29	129	25145	0.837	ug/L	97
50) 1,2-Dibromoethane	8.40	107	20220	0.909	ug/L	99
51) Chlorobenzene	8.92	112	79454	0.830	ug/L	98
52) Ethylbenzene	9.05	91	121929	0.775	ug/L	97
53) m,p-xylene	9.18	106	43811	0.751	ug/L	98
54) o-xylene	9.58	106	43309	0.763	ug/L	94
55) Styrene	9.60	104	67705	0.712	ug/L	99
56) Isopropylbenzene	9.97	105	111555	0.734	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.29	83	22947	0.877	ug/L #	92
59) 1,2,3-Trichloropropane	10.32	75	19081	0.895	ug/L	99
61) Bromoform	9.77	173	14486	0.895	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	61890	0.852	ug/L	95
63) 1,4-Dichlorobenzene	11.32	146	64584	0.884	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	60704	0.898	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	3577	1.016	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	45707	0.786	ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	38190	0.845	ug/L	99
69) Naphthalene	13.55	128	49232	0.778	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	34367	0.830	ug/L	98

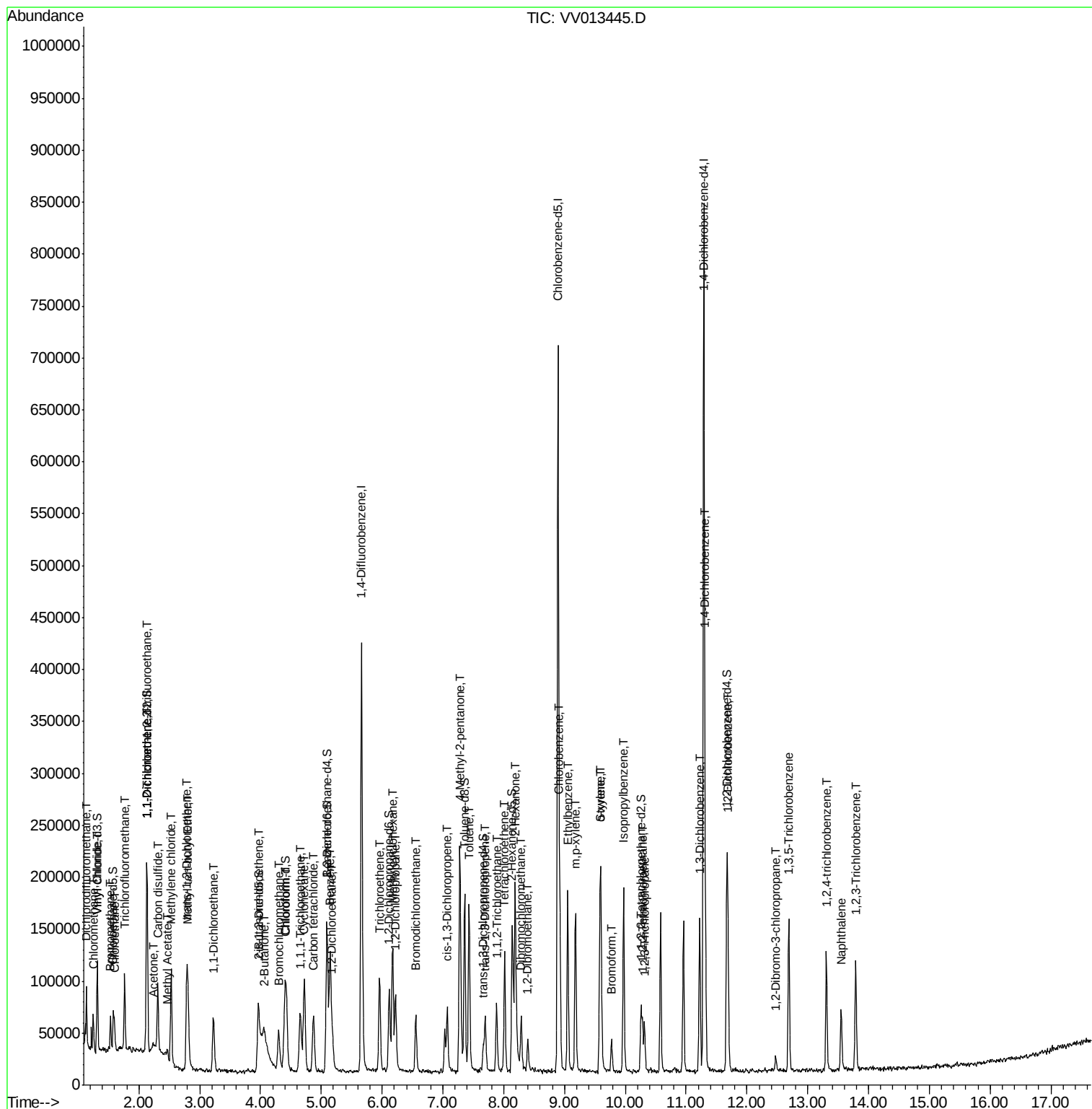
(#) = qualifier out of range (m) = manual integration (+) = signals summed

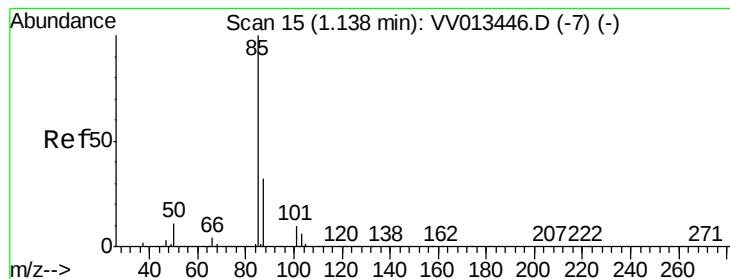
Data File : VV013445.D

```
Acq On       : 31 Oct 2019   13:59
Operator     : SY/MD
Sample       : VSTD00134
Misc         : 25.0ML/MSV0A_V/WATER
ALS Vial     : 4      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
VSTD00134

Quant Time: Nov 01 04:53:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR103119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 01 04:50:11 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.810 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013445.D

Acq: 31 Oct 2019 13:59

Instrument :

MSVOA_V

ClientSampleId :

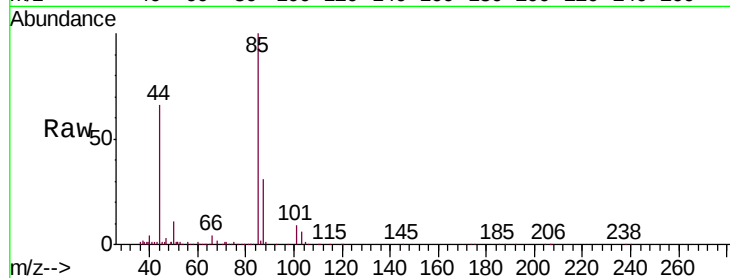
VSTD00134

Tgt Ion: 85 Resp: 38543

Ion Ratio Lower Upper

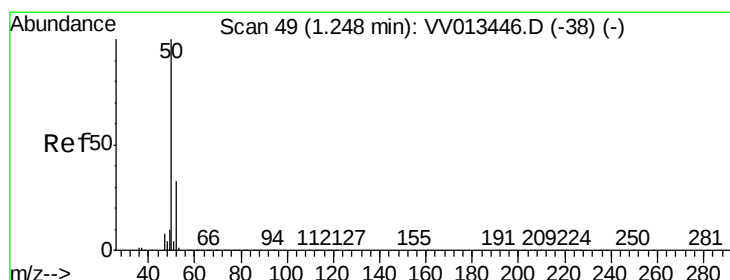
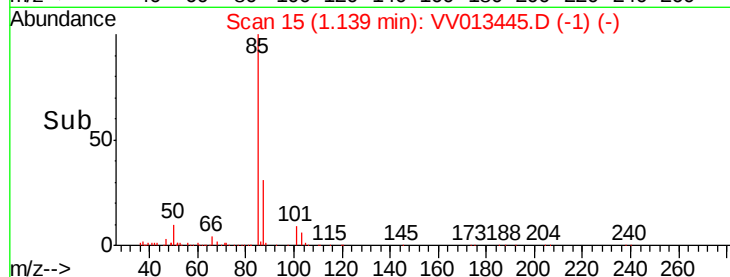
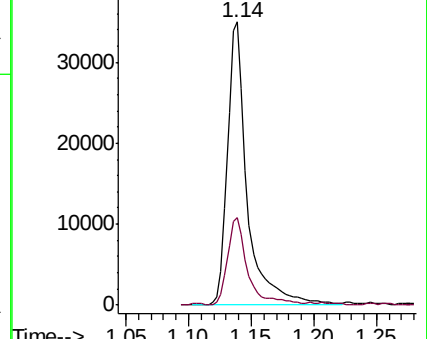
85 100

87 32.1 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 0.774 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV013445.D

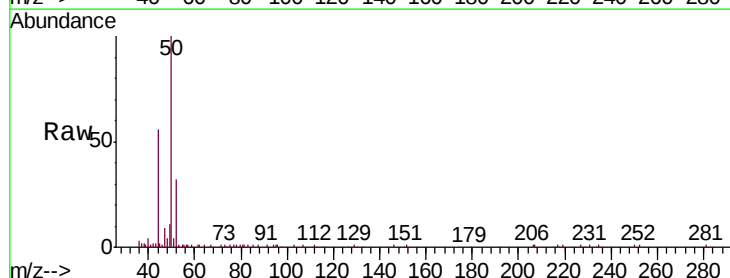
Acq: 31 Oct 2019 13:59

Tgt Ion: 50 Resp: 30978

Ion Ratio Lower Upper

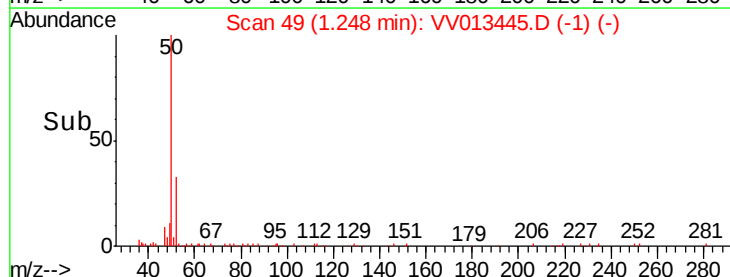
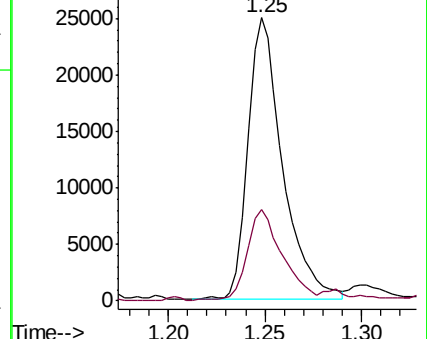
50 100

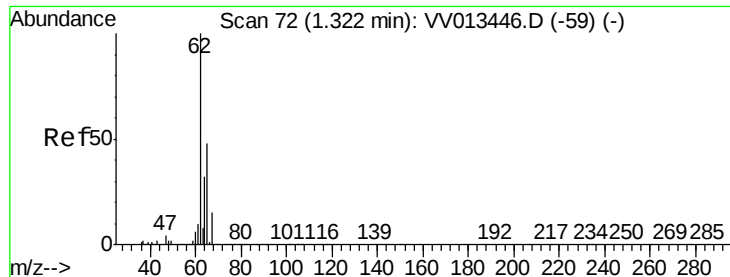
52 32.4 23.4 43.6



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.779 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV013445.D

Acq: 31 Oct 2019 13:59

Instrument :

MSVOA_V

ClientSampleId :

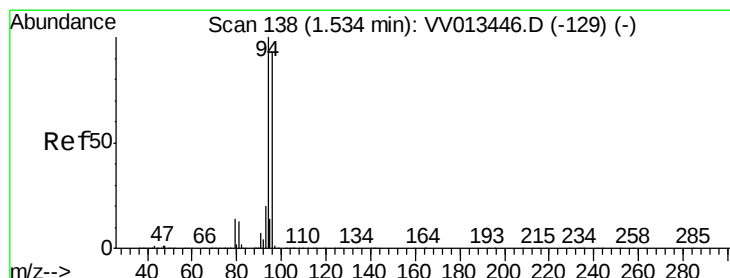
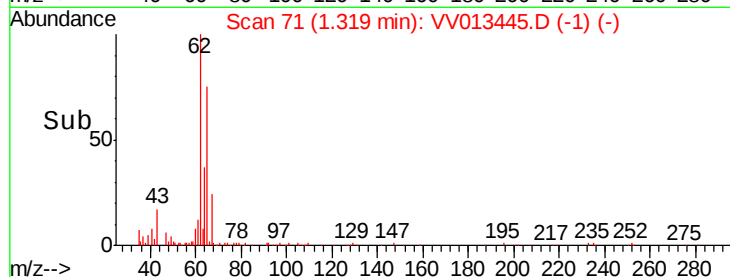
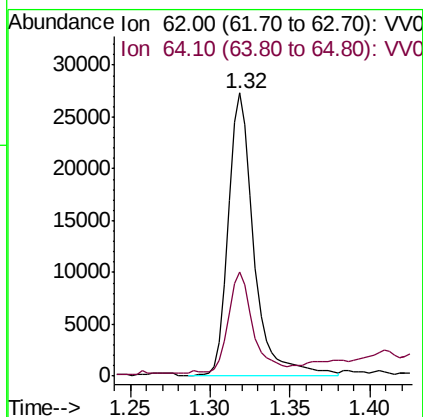
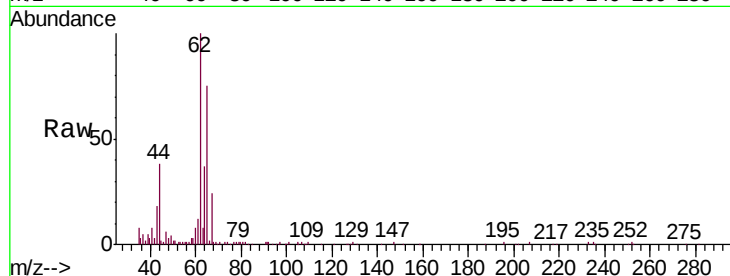
VSTD00134

Tgt Ion: 62 Resp: 30381

Ion Ratio Lower Upper

62 100

64 36.7 23.1 42.9



#6

Bromomethane

Concen: 0.699 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV013445.D

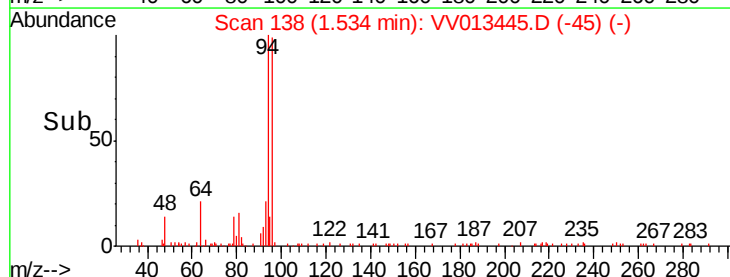
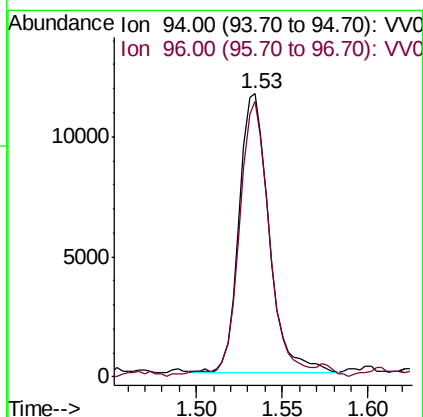
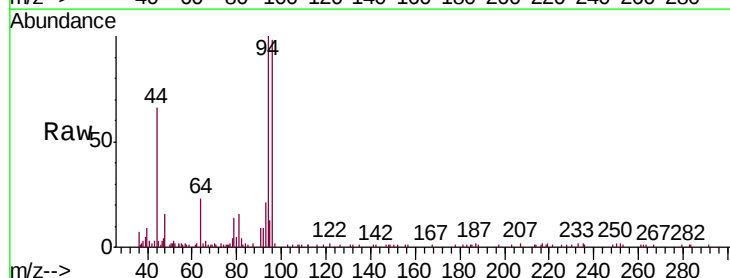
Acq: 31 Oct 2019 13:59

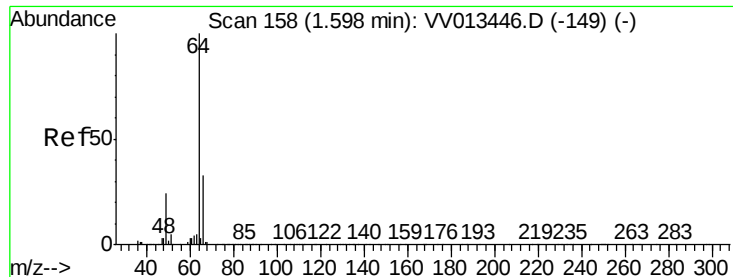
Tgt Ion: 94 Resp: 14205

Ion Ratio Lower Upper

94 100

96 97.5 65.2 121.2





#8

Chloroethane

Concen: 0.745 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV013445.D

Acq: 31 Oct 2019 13:59

Instrument :

MSVOA_V

ClientSampleId :

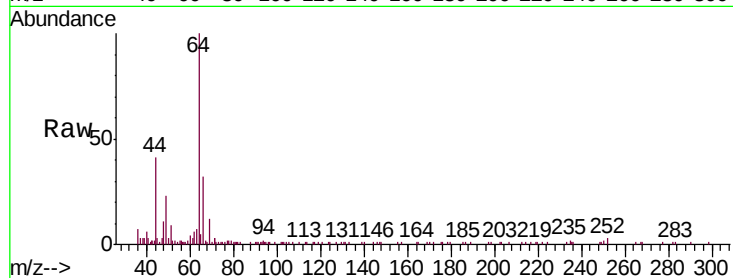
VSTD00134

Tgt Ion: 64 Resp: 16445

Ion Ratio Lower Upper

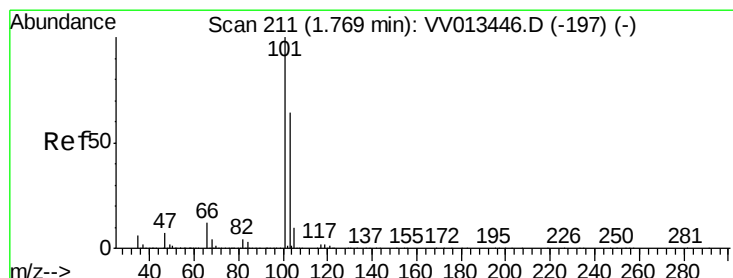
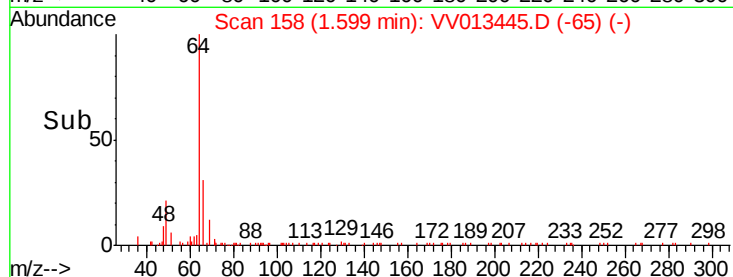
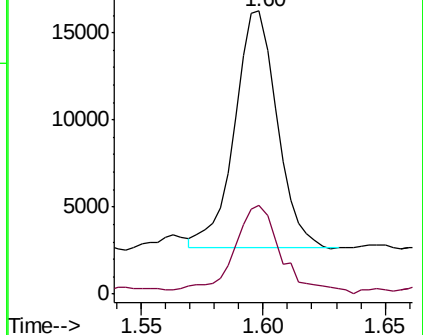
64 100

66 31.5 22.8 42.4



Abundance Ion 64.10 (63.80 to 64.80): VV013446.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VV013446.D (-149) (-)



#9

Trichlorofluoromethane

Concen: 0.807 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV013445.D

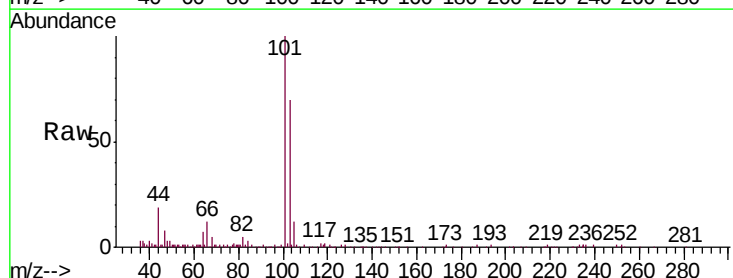
Acq: 31 Oct 2019 13:59

Tgt Ion: 101 Resp: 41331

Ion Ratio Lower Upper

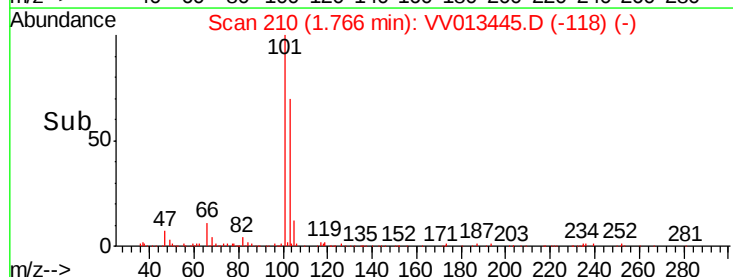
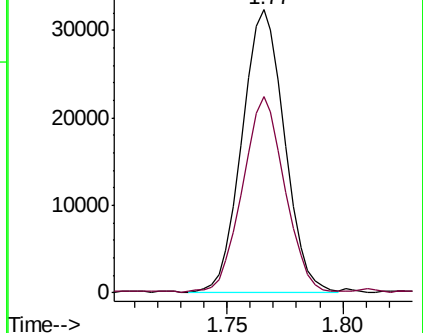
101 100

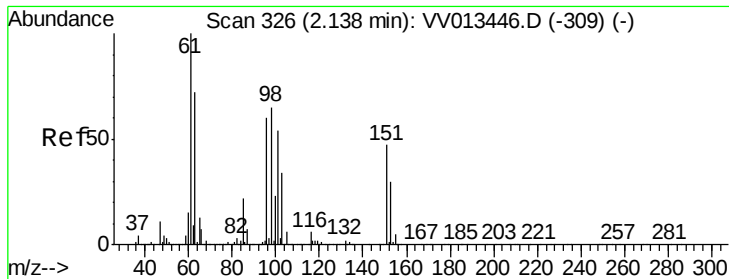
103 69.0 52.1 78.1



Abundance Ion 101.00 (100.70 to 101.70): VV013446.D (-197) (-)

Ion 103.00 (102.70 to 103.70): VV013446.D (-197) (-)





#10

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

Concen: 0.838 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV013445.D

Acq: 31 Oct 2019 13:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD00134

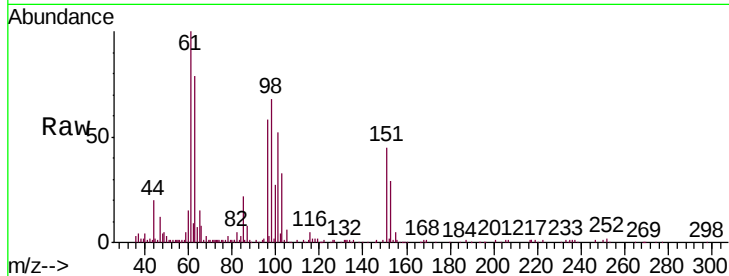
Tgt Ion: 101 Resp: 23848

Ion Ratio Lower Upper

101 100

85 40.3 33.1 49.7

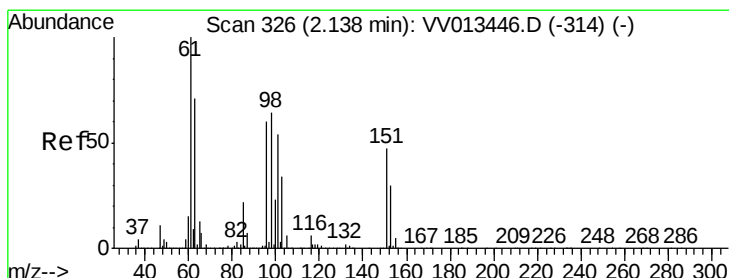
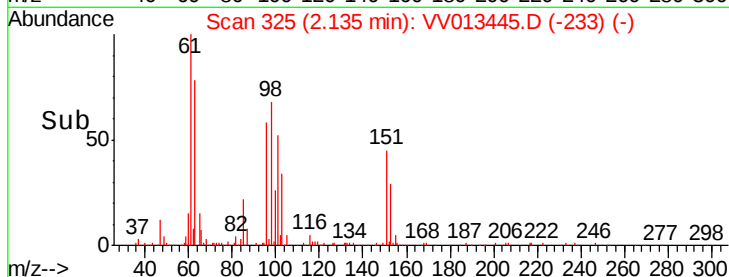
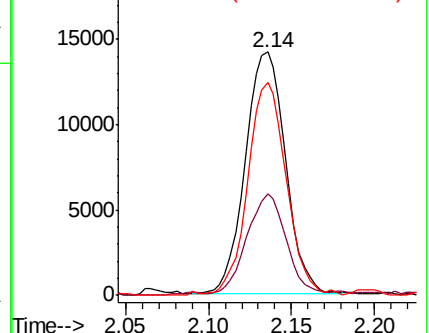
151 85.0 68.8 103.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.803 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV013445.D

Acq: 31 Oct 2019 13:59

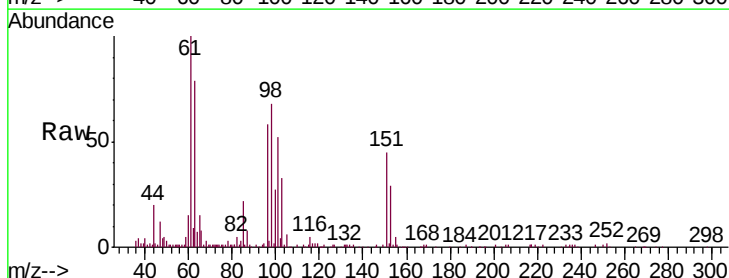
Tgt Ion: 96 Resp: 21951

Ion Ratio Lower Upper

96 100

61 171.0 117.1 217.5

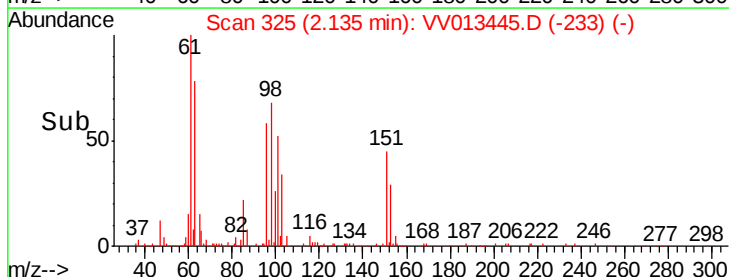
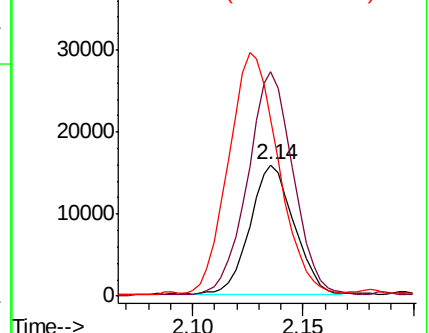
63 134.5 84.1 156.3

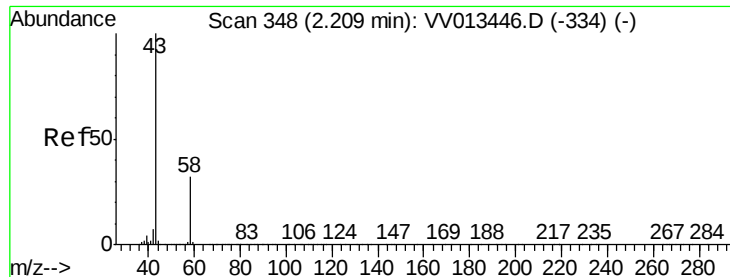


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 4.907 ug/L

RT: 2.24 min Scan# 359

Delta R.T. 0.04 min

Lab File: VV013445.D

Acq: 31 Oct 2019 13:59

Instrument :

MSVOA_V

ClientSampleId :

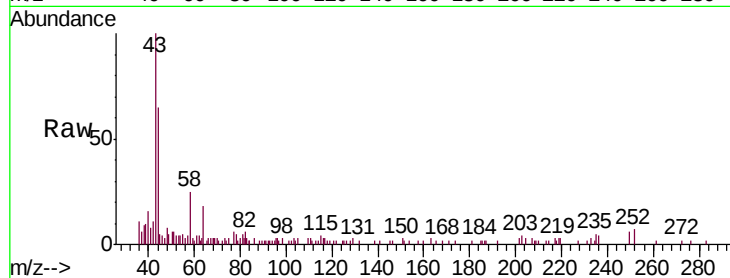
VSTD00134

Tgt Ion: 43 Resp: 19207

Ion Ratio Lower Upper

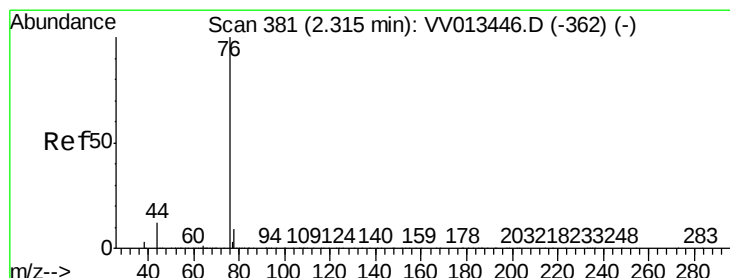
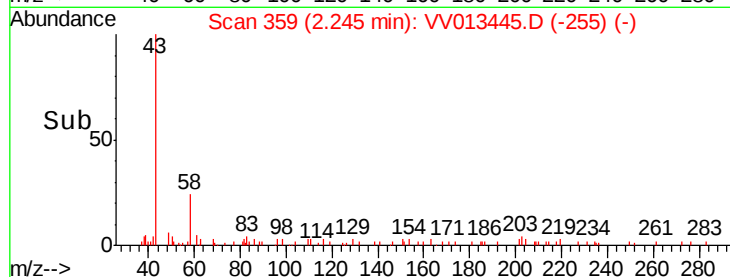
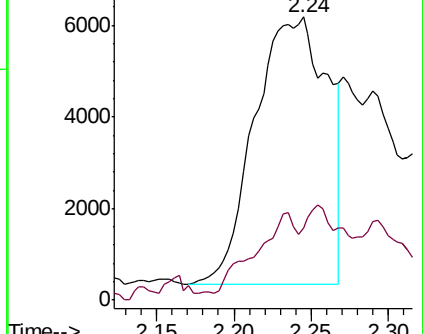
43 100

58 14.3 0.0 58.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 0.854 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV013445.D

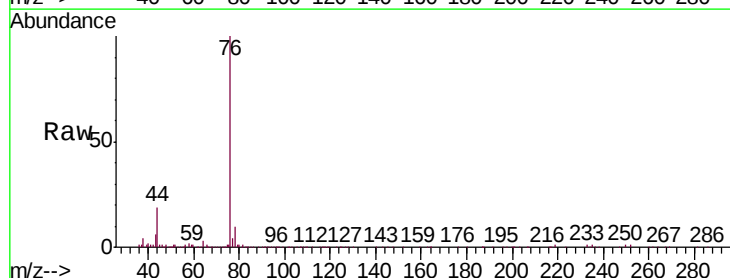
Acq: 31 Oct 2019 13:59

Tgt Ion: 76 Resp: 70369

Ion Ratio Lower Upper

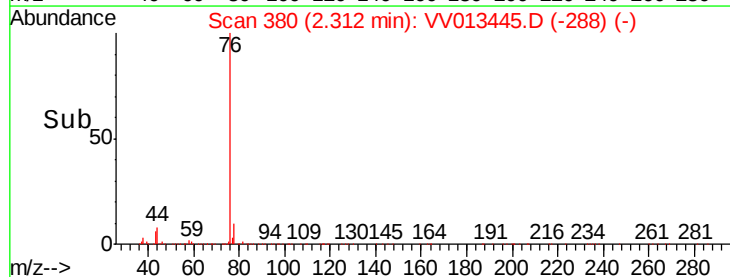
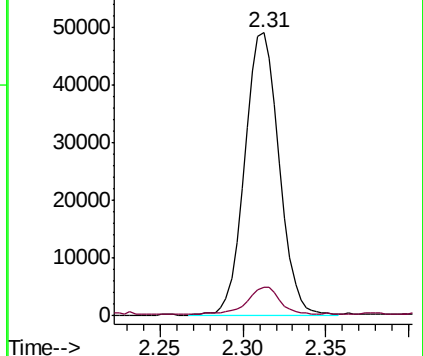
76 100

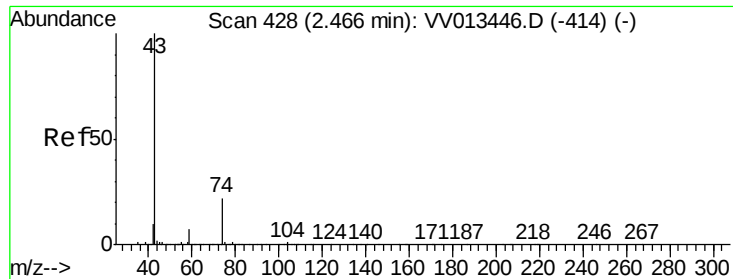
78 10.2 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

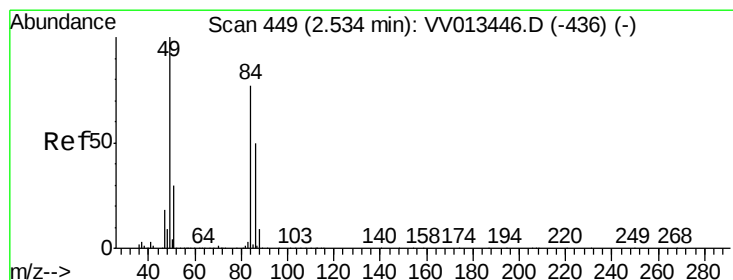
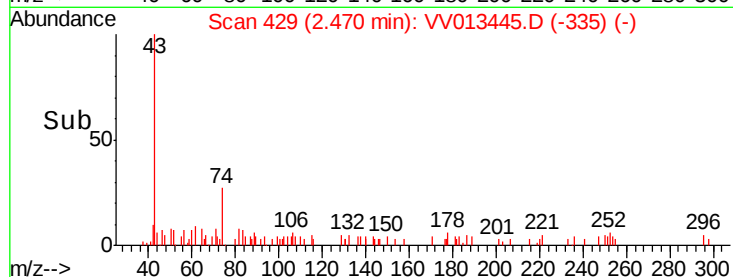
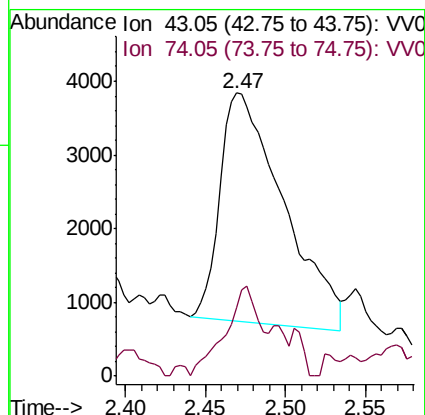
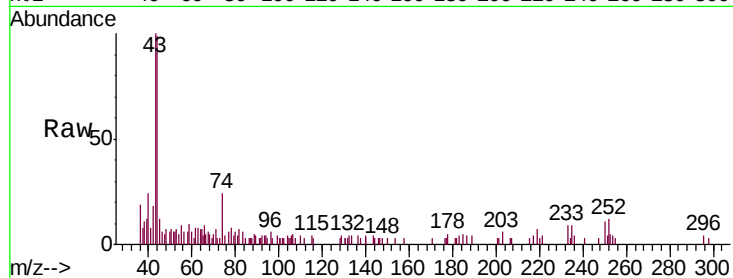




#15
Methyl Acetate
Concen: 0.589 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.00 min
Lab File: VV013445.D
Acq: 31 Oct 2019 13:59

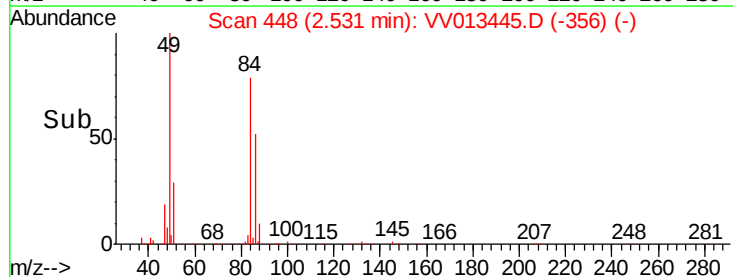
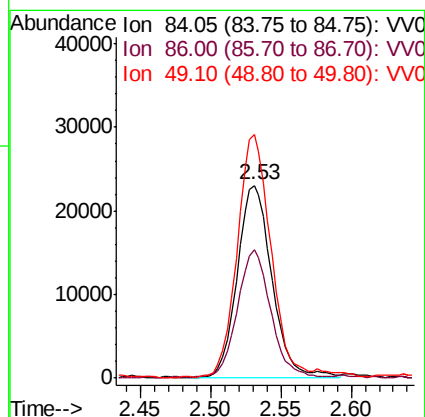
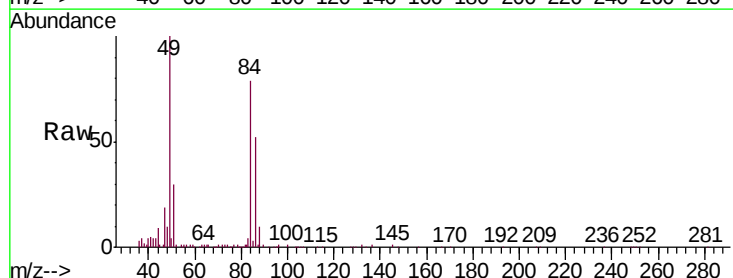
Instrument :
MSVOA_V
ClientSampleId :
VSTD00134

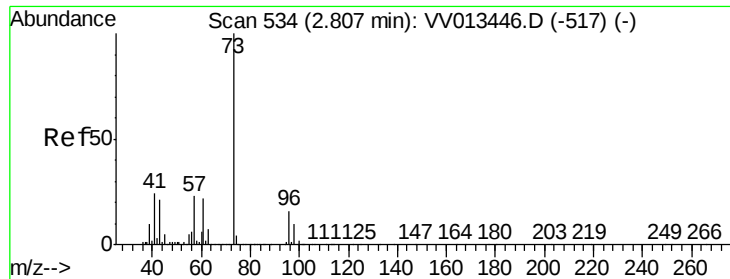
Tgt Ion: 43 Resp: 8433
Ion Ratio Lower Upper
43 100
74 21.6 17.8 26.8



#16
Methylene chloride
Concen: 1.008 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV013445.D
Acq: 31 Oct 2019 13:59

Tgt Ion: 84 Resp: 39928
Ion Ratio Lower Upper
84 100
86 66.3 45.3 84.1
49 126.3 90.4 168.0

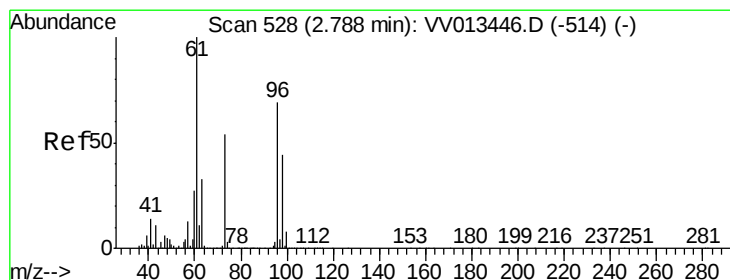
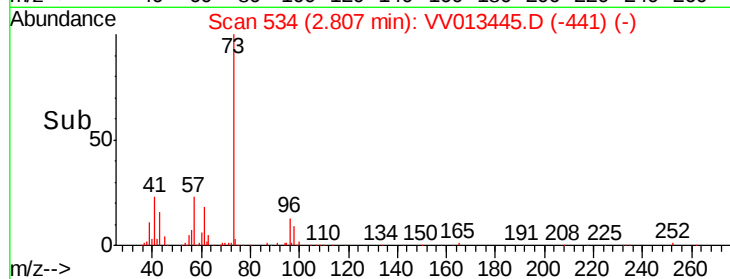
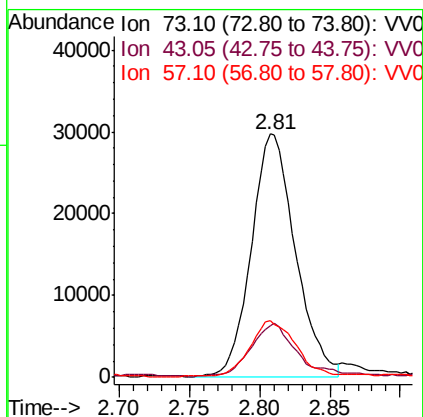
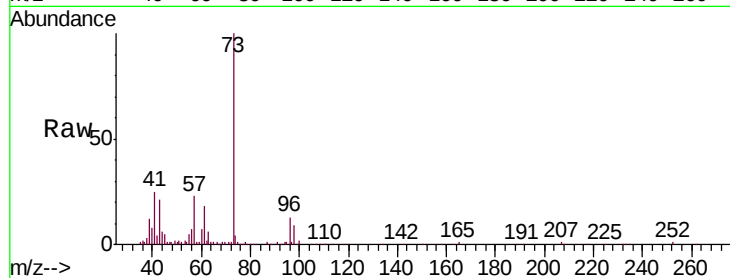




#17
Methyl tert-butyl Ether
Concen: 0.874 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV013445.D
Acq: 31 Oct 2019 13:59

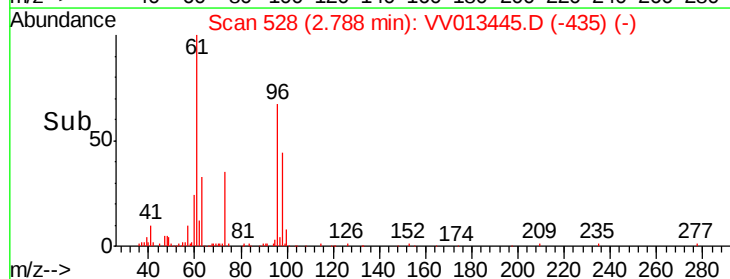
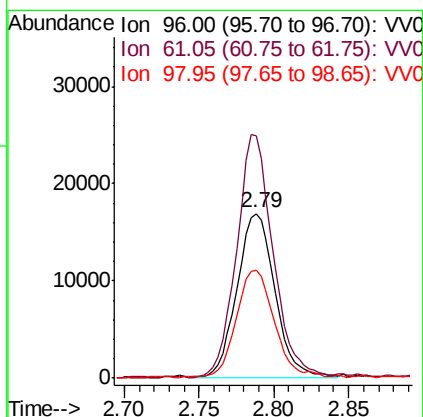
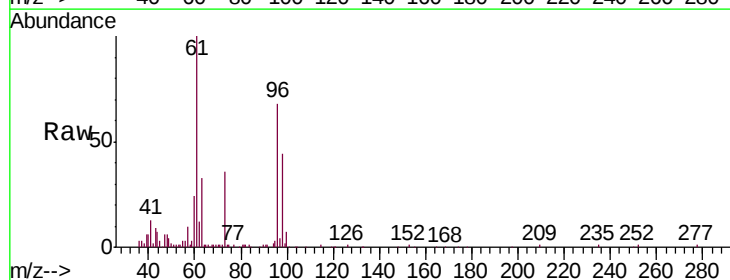
Instrument :
MSVOA_V
ClientSampleId :
VSTD00134

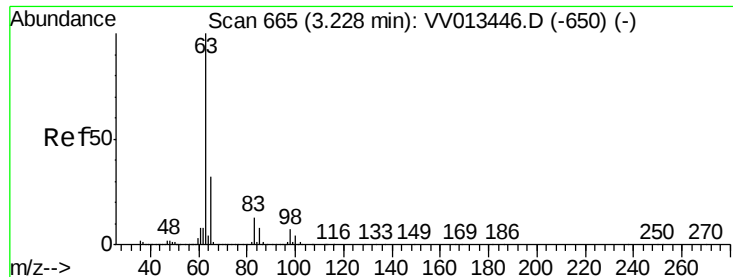
Tgt Ion:	73	Resp:	64480
Ion	Ratio	Lower	Upper
73	100		
43	23.8	15.9	23.9
57	23.4	18.5	27.7



#18
trans-1,2-Dichloroethene
Concen: 0.837 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV013445.D
Acq: 31 Oct 2019 13:59

Tgt Ion:	96	Resp:	30238
Ion	Ratio	Lower	Upper
96	100		
61	147.5	102.2	189.8
98	65.3	44.9	83.5

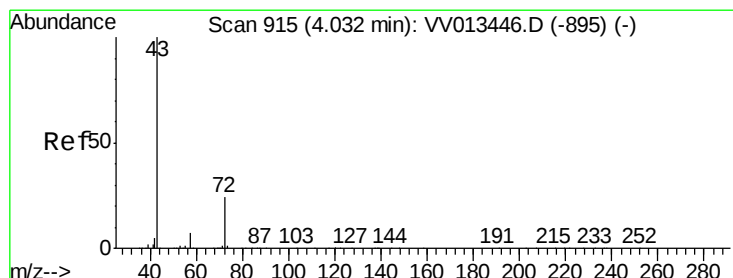
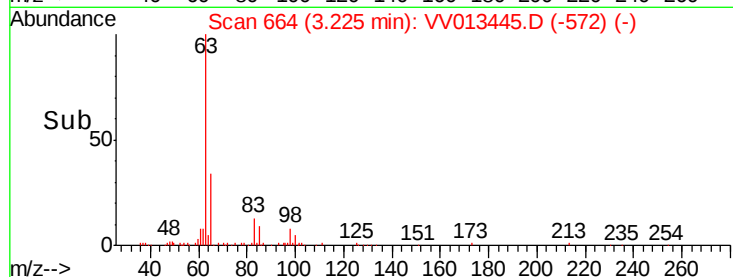
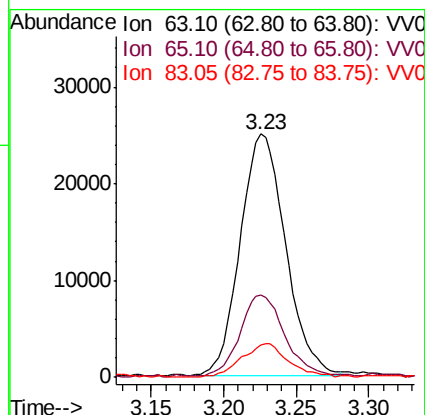
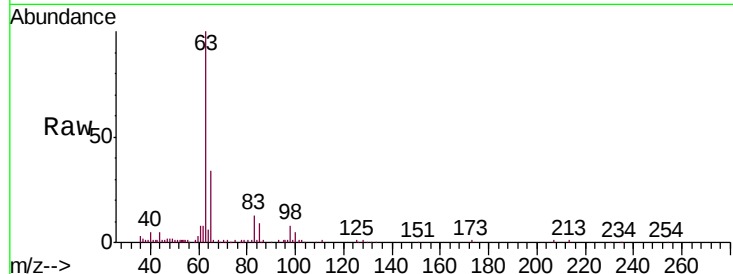




#19
 1,1-Dichloroethane
 Concen: 0.825 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV013445.D
 Acq: 31 Oct 2019 13:59

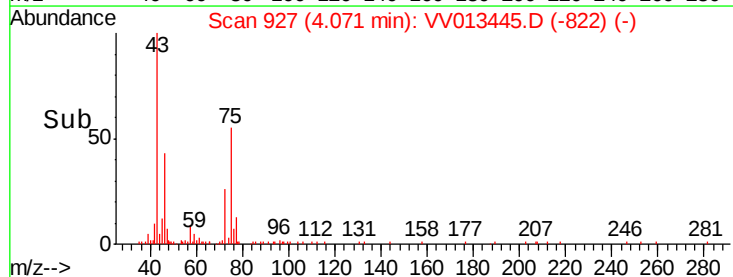
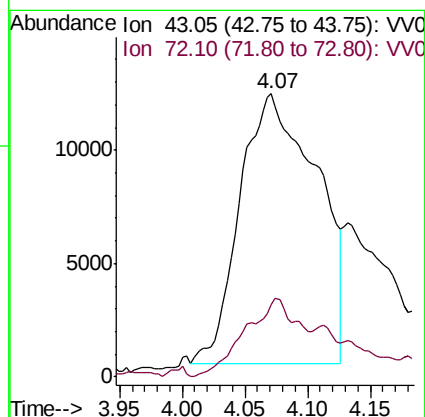
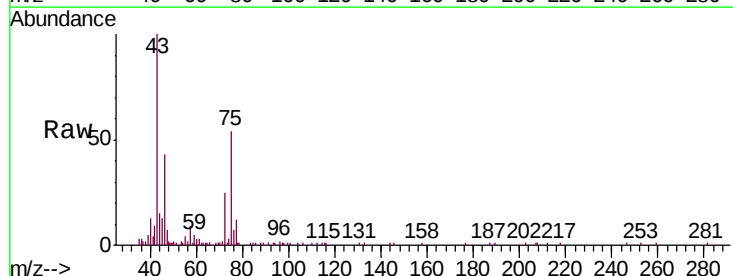
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00134

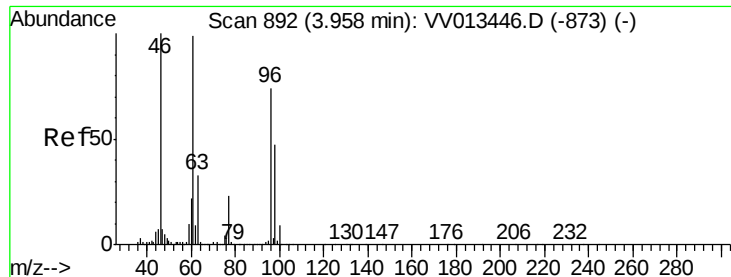
Tgt Ion: 63 Resp: 54676
 Ion Ratio Lower Upper
 63 100
 65 33.6 22.5 41.7
 83 13.1 9.1 16.9



#21
 2-Butanone
 Concen: 5.996 ug/L
 RT: 4.07 min Scan# 927
 Delta R.T. 0.04 min
 Lab File: VV013445.D
 Acq: 31 Oct 2019 13:59

Tgt Ion: 43 Resp: 51019
 Ion Ratio Lower Upper
 43 100
 72 20.5 10.9 32.7



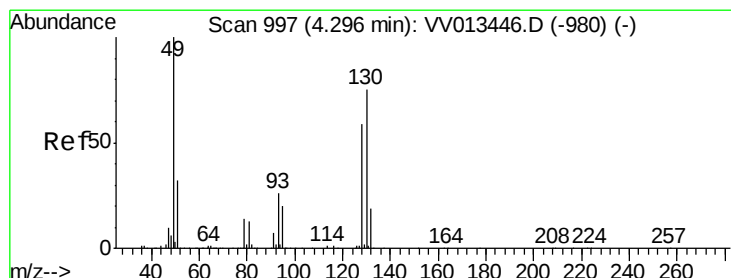
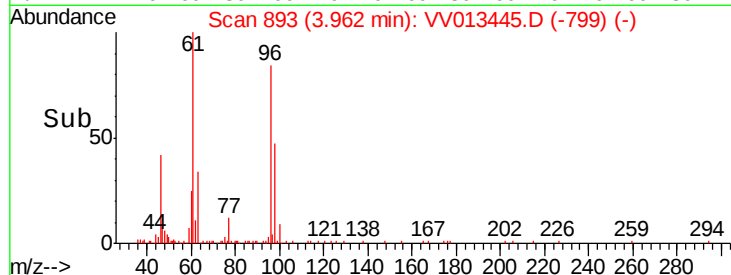
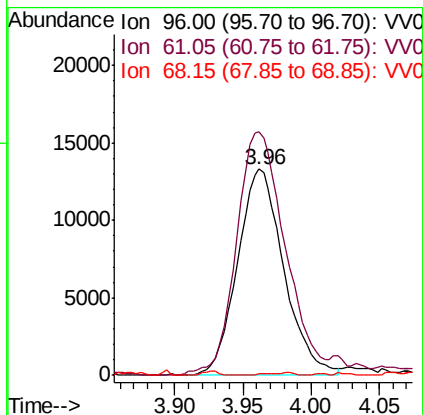
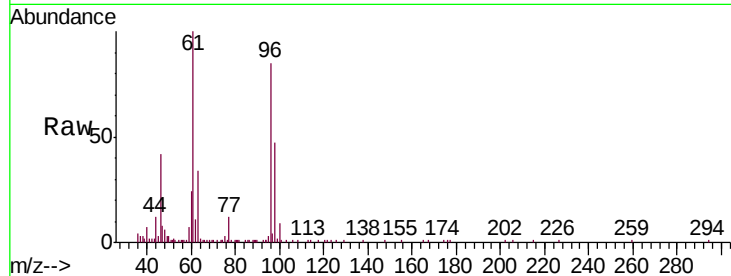


#22

cis-1,2-Dichloroethene
 Concen: 0.859 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV013445.D
 Acq: 31 Oct 2019 13:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00134

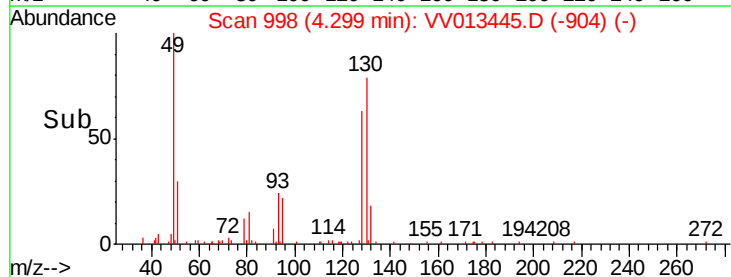
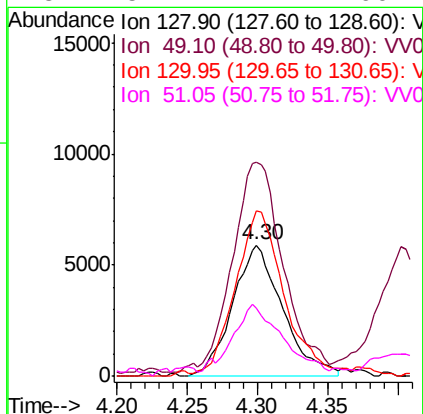
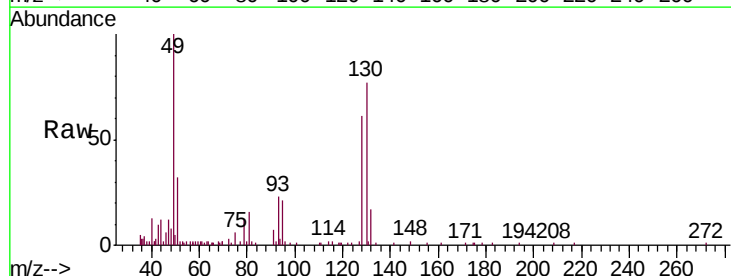
Tgt Ion: 96 Resp: 31348
 Ion Ratio Lower Upper
 96 100
 61 118.1 94.2 175.0
 68 0.8 0.1 0.3#

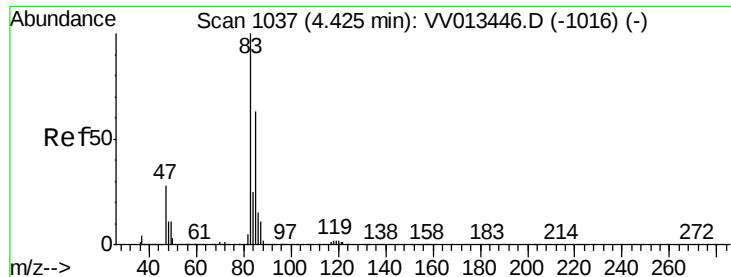


#23

Bromochloromethane
 Concen: 0.882 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VV013445.D
 Acq: 31 Oct 2019 13:59

Tgt Ion: 128 Resp: 14577
 Ion Ratio Lower Upper
 128 100
 49 162.9 118.8 220.6
 130 125.7 89.0 165.4
 51 52.1 44.2 66.2





#25

Chloroform

Concen: 0.899 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VV013445.D

Acq: 31 Oct 2019 13:59

Instrument :

MSVOA_V

ClientSampleId :

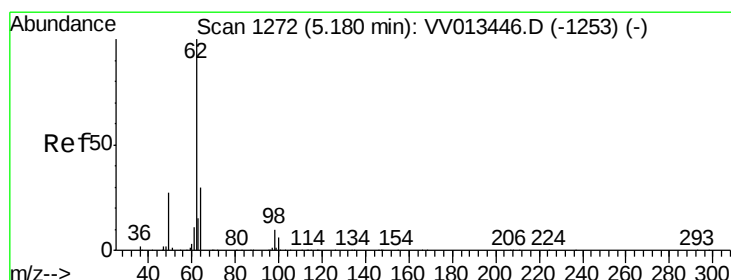
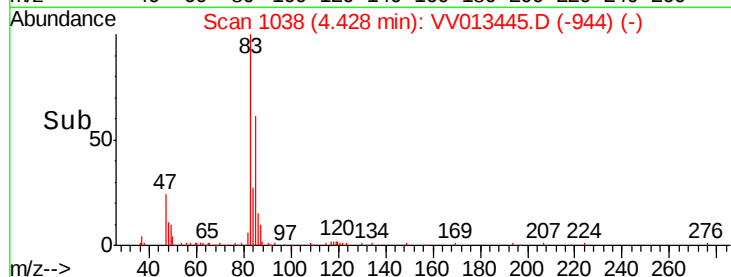
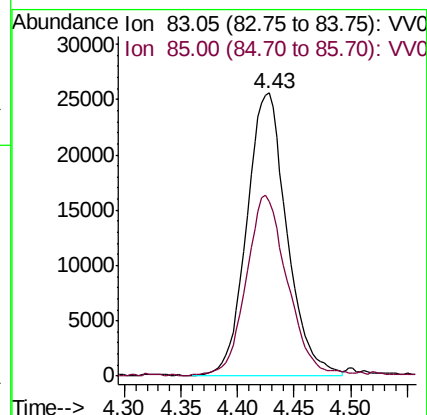
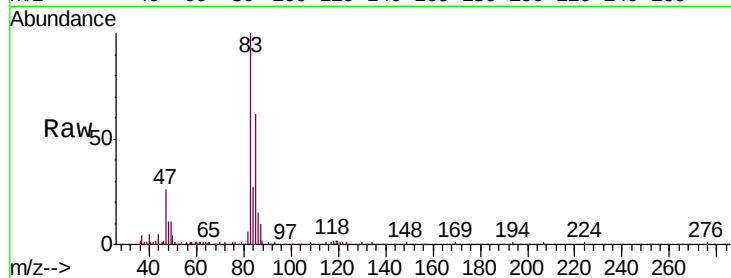
VSTD00134

Tgt Ion: 83 Resp: 63304

Ion Ratio Lower Upper

83 100

85 61.7 44.1 81.9



#27

1,2-Dichloroethane

Concen: 0.872 ug/L

RT: 5.18 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VV013445.D

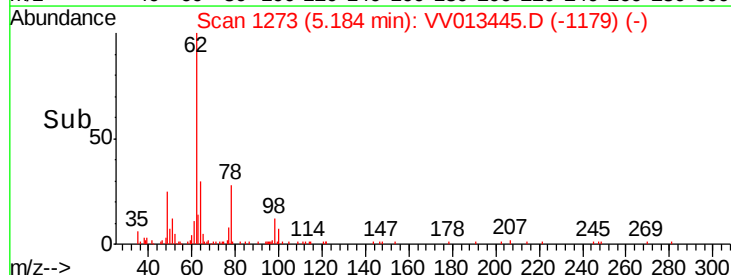
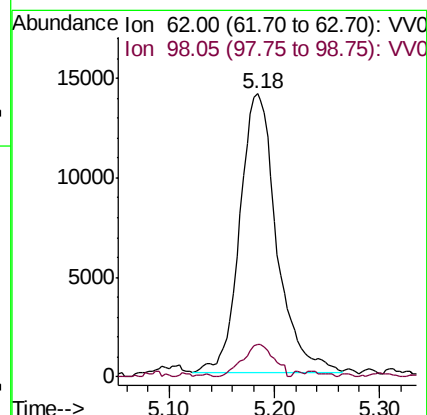
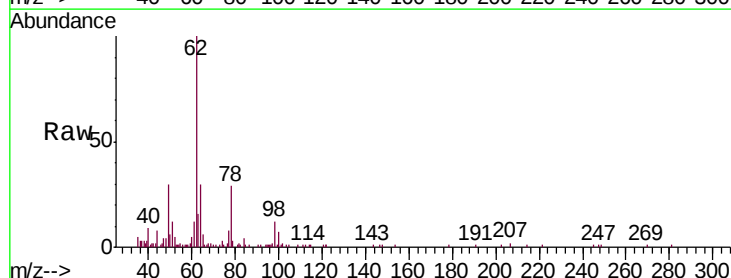
Acq: 31 Oct 2019 13:59

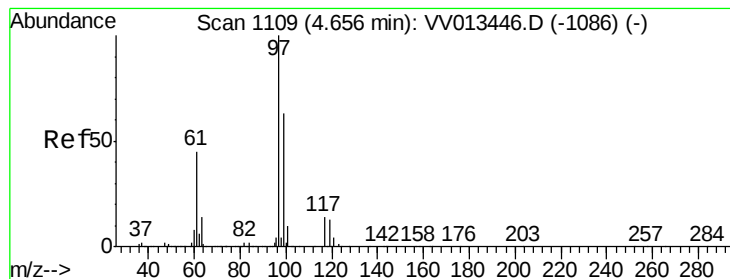
Tgt Ion: 62 Resp: 33906

Ion Ratio Lower Upper

62 100

98 11.6 7.7 11.5#





#29

1,1,1-Trichloroethane

Concen: 0.799 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VV013445.D

Acq: 31 Oct 2019 13:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD00134

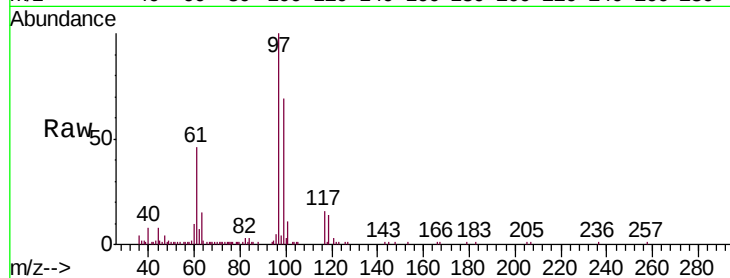
Tgt Ion: 97 Resp: 45096

Ion Ratio Lower Upper

97 100

99 67.7 51.5 77.3

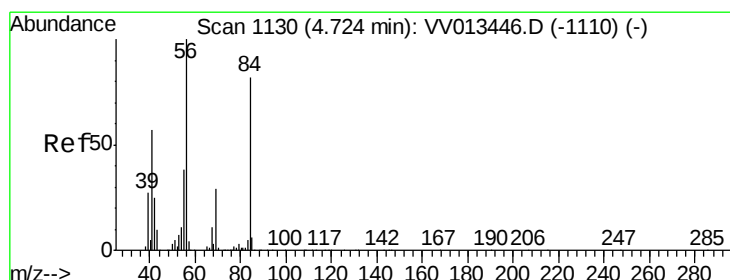
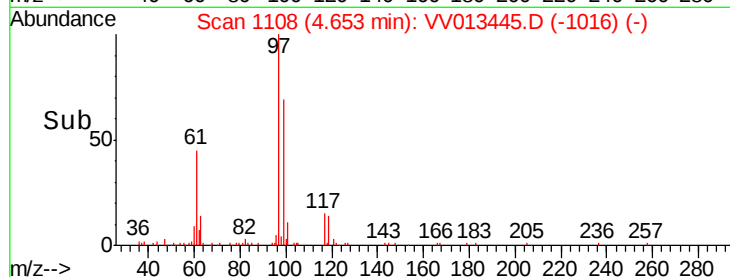
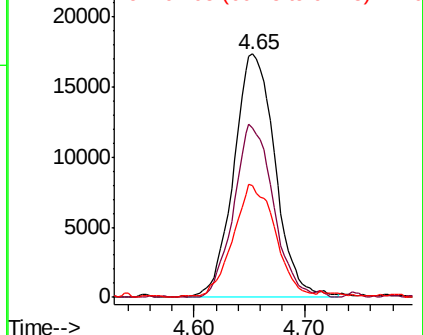
61 46.0 35.8 53.8



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 0.774 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV013445.D

Acq: 31 Oct 2019 13:59

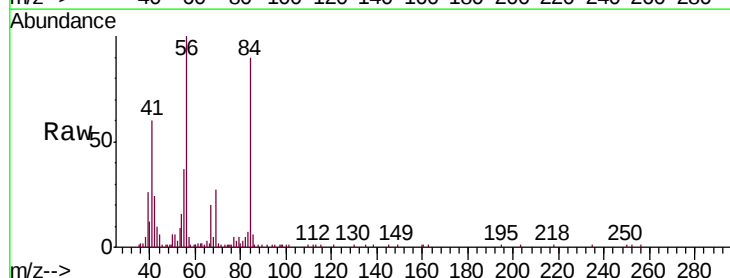
Tgt Ion: 56 Resp: 46150

Ion Ratio Lower Upper

56 100

69 30.4 23.0 34.6

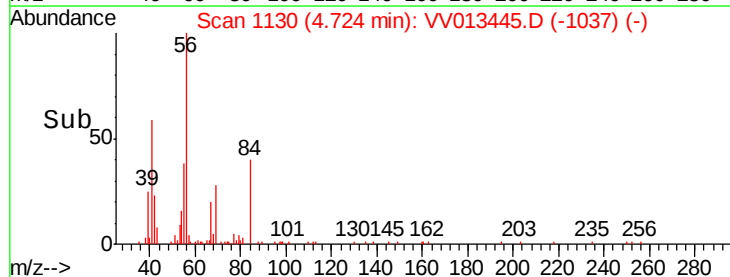
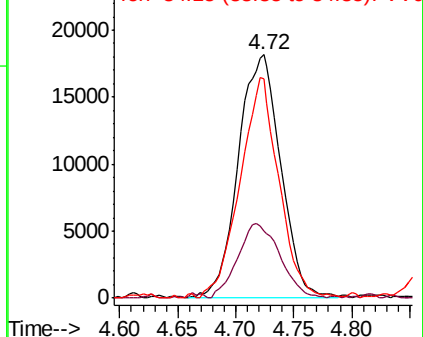
84 82.8 66.6 100.0

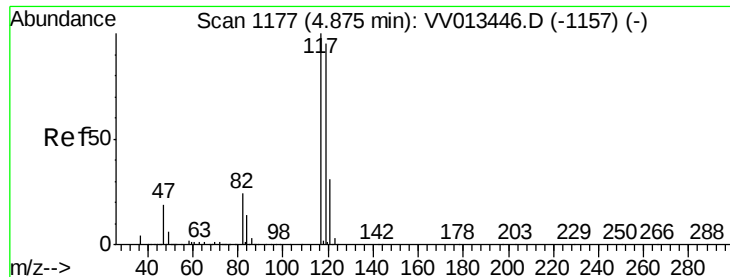


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 0.783 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV013445.D

Acq: 31 Oct 2019 13:59

Instrument :

MSVOA_V

ClientSampleId :

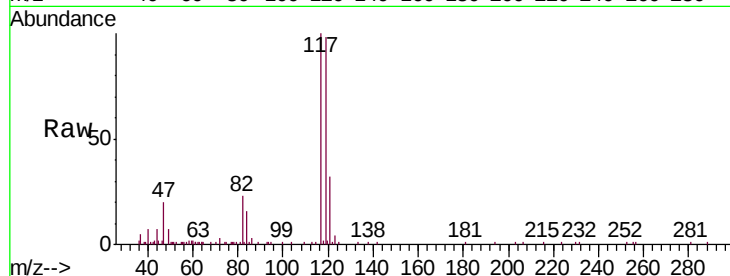
VSTD00134

Tgt Ion:117 Resp: 40131

Ion Ratio Lower Upper

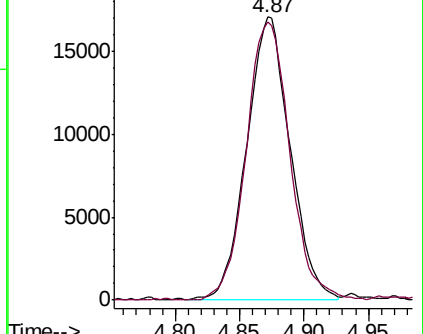
117 100

119 98.6 76.8 115.2

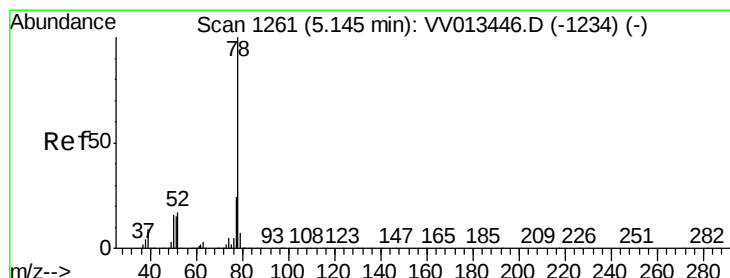
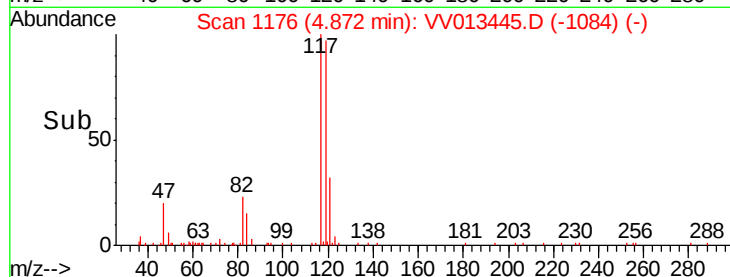


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



Time-->



#33

Benzene

Concen: 0.784 ug/L

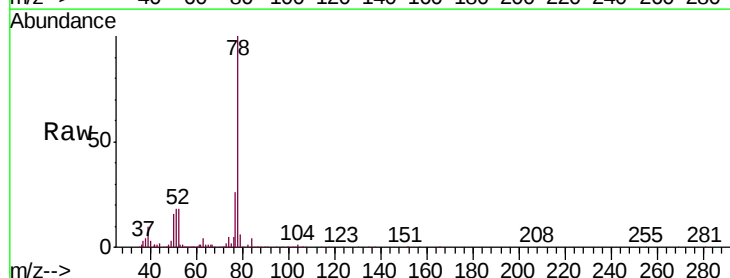
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

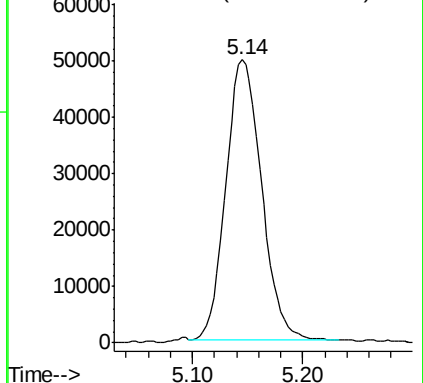
Lab File: VV013445.D

Acq: 31 Oct 2019 13:59

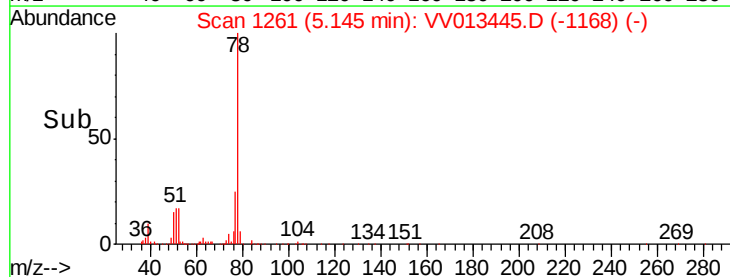
Tgt Ion: 78 Resp: 111540

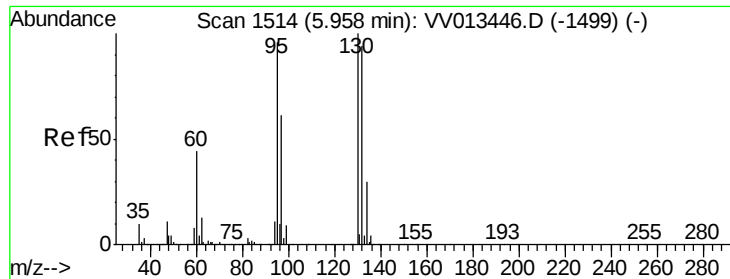


Abundance Ion 78.10 (77.80 to 78.80): VV0



Time-->





#34

Trichloroethene

Concen: 0.804 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013445.D

Acq: 31 Oct 2019 13:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD00134

Tgt Ion: 95 Resp: 31511

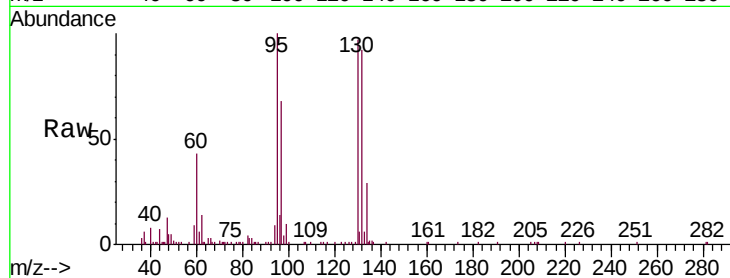
Ion Ratio Lower Upper

95 100

97 68.5 44.2 82.2

132 91.8 68.4 127.0

130 96.7 72.9 135.5

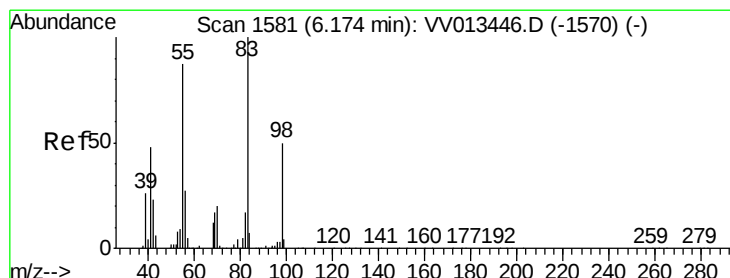
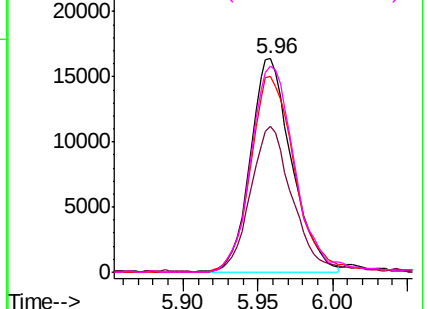
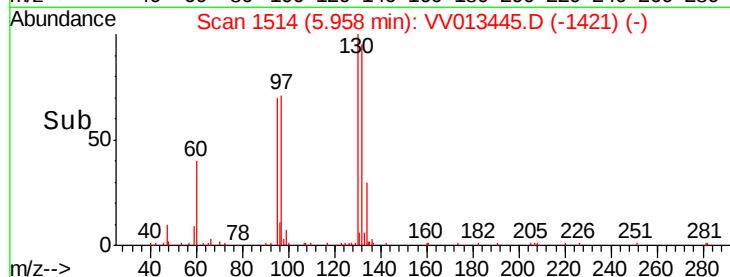


Abundance Ion 95.00 (94.70 to 95.70): VV013445.D (-1421) (-)

Ion 96.95 (96.65 to 97.65): VV013445.D (-1421) (-)

Ion 131.95 (131.65 to 132.65): VV013445.D (-1421) (-)

Ion 129.95 (129.65 to 130.65): VV013445.D (-1421) (-)



#35

Methylcyclohexane

Concen: 0.753 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV013445.D

Acq: 31 Oct 2019 13:59

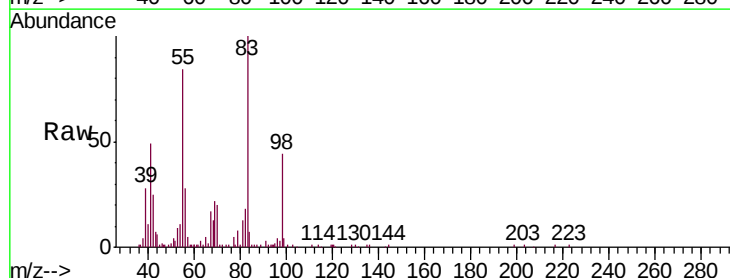
Tgt Ion: 83 Resp: 43963

Ion Ratio Lower Upper

83 100

55 84.1 64.6 96.8

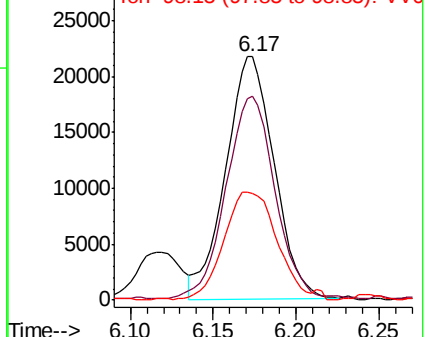
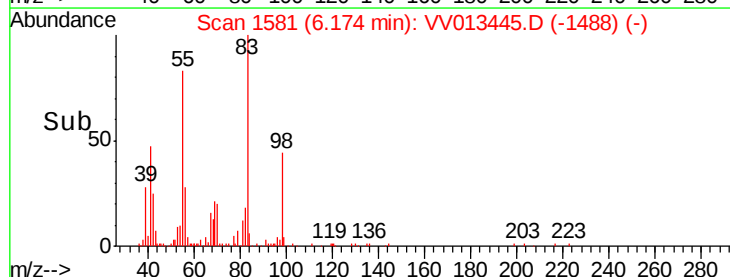
98 48.8 39.1 58.7

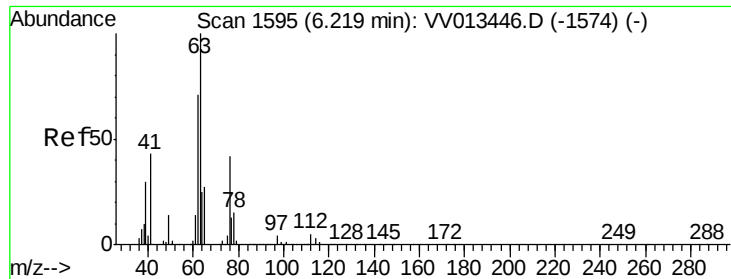


Abundance Ion 83.15 (82.85 to 83.85): VV013445.D (-1488) (-)

Ion 55.10 (54.80 to 55.80): VV013445.D (-1488) (-)

Ion 98.15 (97.85 to 98.85): VV013445.D (-1488) (-)





#37

1,2-Dichloropropane

Concen: 0.791 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VV013445.D

Acq: 31 Oct 2019 13:59

Instrument :

MSVOA_V

ClientSampleId :

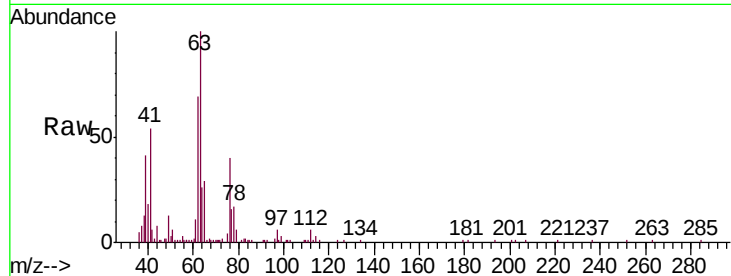
VSTD00134

Tgt Ion: 63 Resp: 28418

Ion Ratio Lower Upper

63 100

112 3.5 3.8 5.8#



Abundance Ion 63.10 (62.80 to 63.80): VV013446.D (-1574) (-)

Ion 112.10 (111.80 to 112.80): VV013446.D (-1574) (-)

6.22

15000

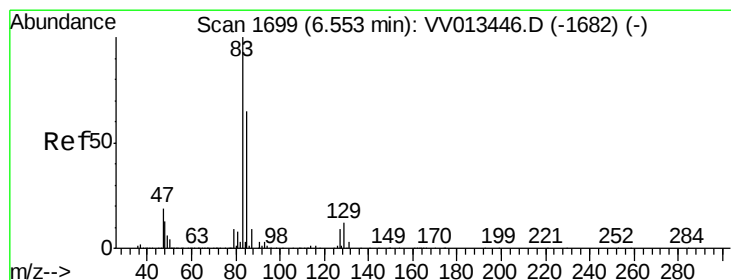
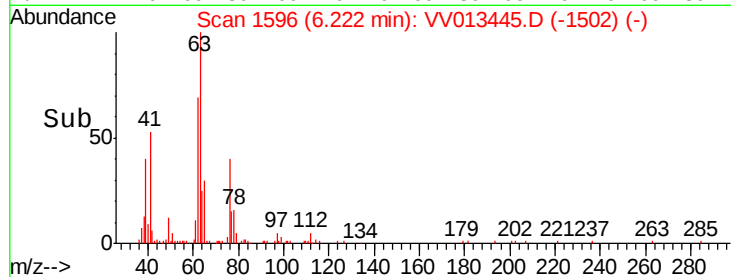
10000

5000

0

6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 0.850 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV013445.D

Acq: 31 Oct 2019 13:59

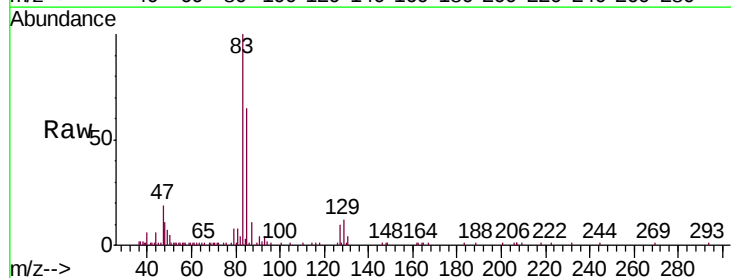
Tgt Ion: 83 Resp: 38540

Ion Ratio Lower Upper

83 100

85 64.9 45.1 83.9

127 9.9 7.0 10.4



Abundance Ion 82.95 (82.65 to 83.65): VV013446.D (-1682) (-)

Ion 85.00 (84.70 to 85.70): VV013446.D (-1682) (-)

Ion 126.90 (126.60 to 127.60): VV013446.D (-1682) (-)

6.55

25000

20000

15000

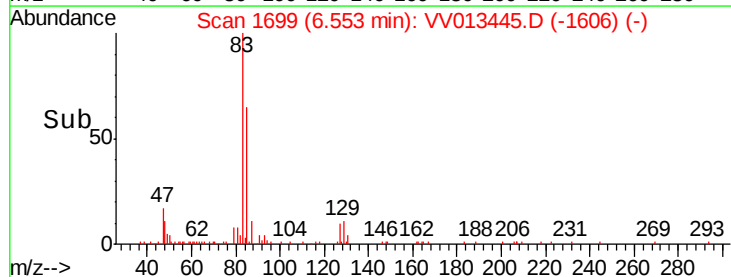
10000

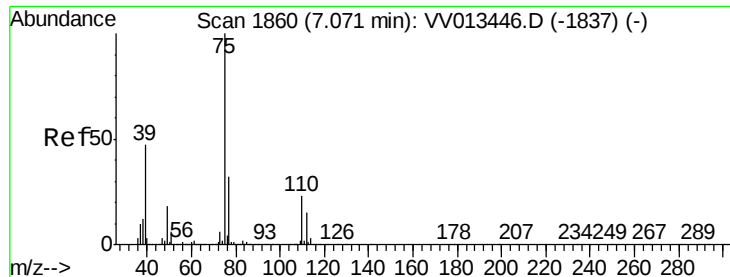
5000

0

6.50 6.55 6.60 6.65

Time-->





#39

cis-1,3-Dichloropropene

Concen: 0.800 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VV013445.D

Acq: 31 Oct 2019 13:59

Instrument :

MSVOA_V

ClientSampleId :

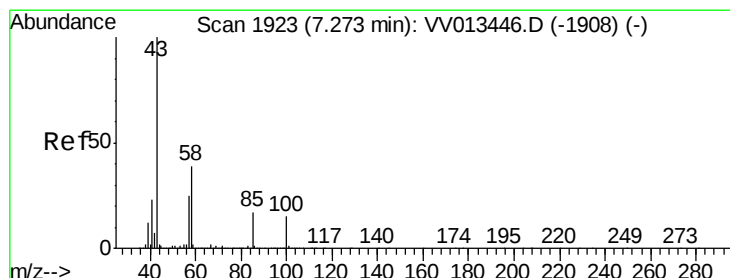
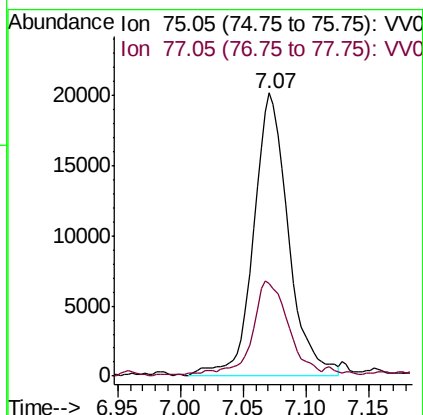
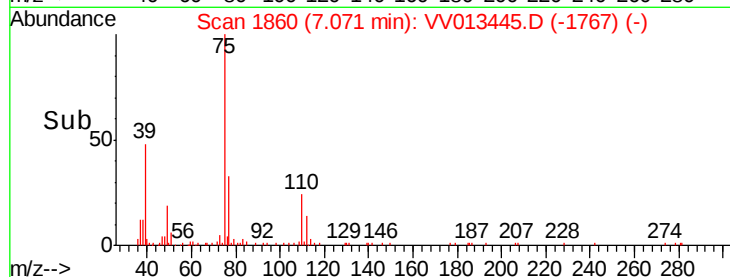
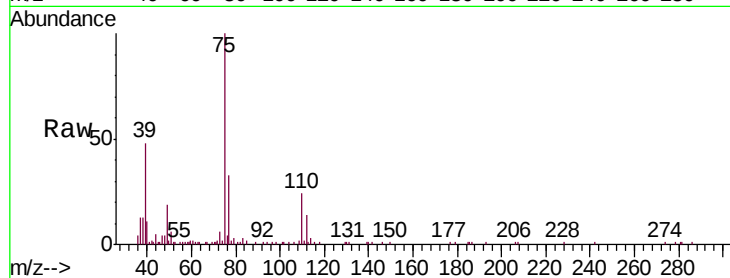
VSTD00134

Tgt Ion: 75 Resp: 39087

Ion Ratio Lower Upper

75 100

77 32.5 22.7 42.1



#40

4-Methyl-2-pentanone

Concen: 8.540 ug/L

RT: 7.28 min Scan# 1924

Delta R.T. 0.00 min

Lab File: VV013445.D

Acq: 31 Oct 2019 13:59

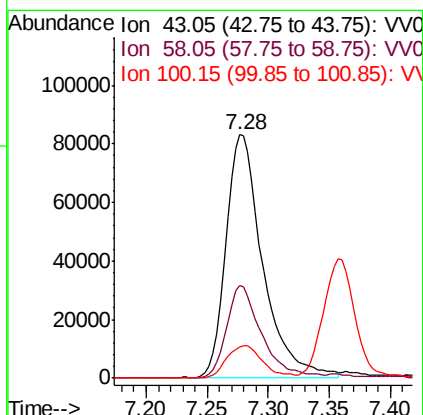
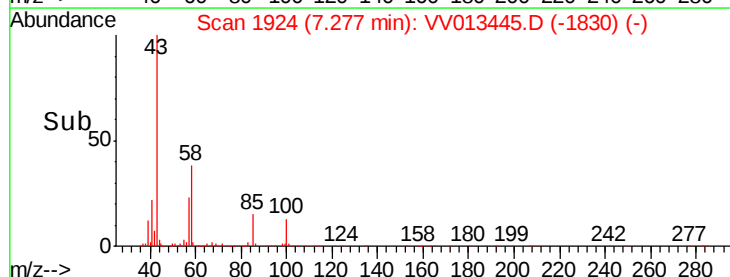
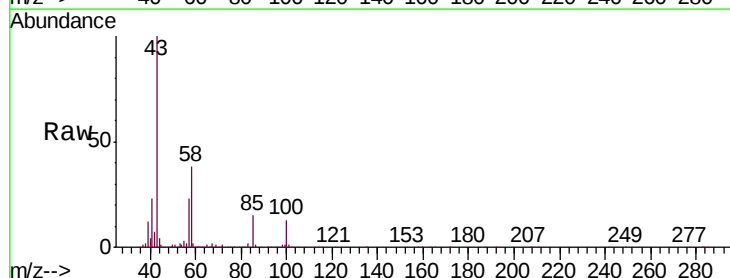
Tgt Ion: 43 Resp: 175766

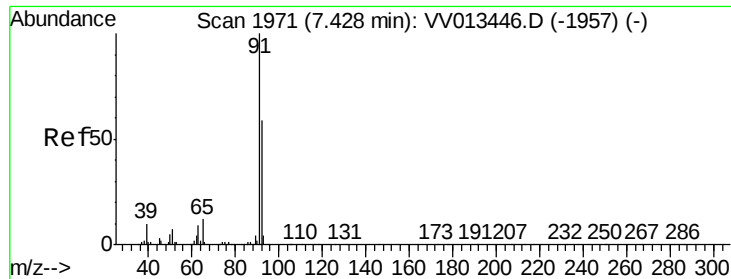
Ion Ratio Lower Upper

43 100

58 36.3 30.9 46.3

100 13.2 11.7 17.5





#42

Toluene

Concen: 0.811 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV013445.D

Acq: 31 Oct 2019 13:59

Instrument :

MSVOA_V

ClientSampleId :

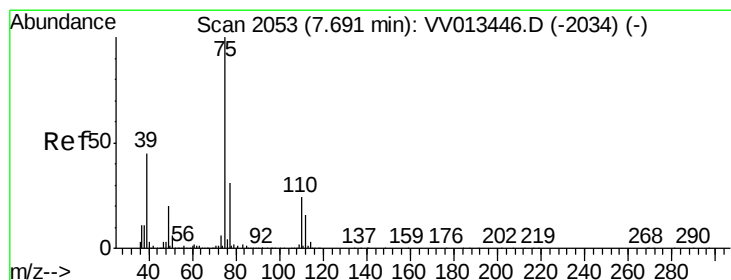
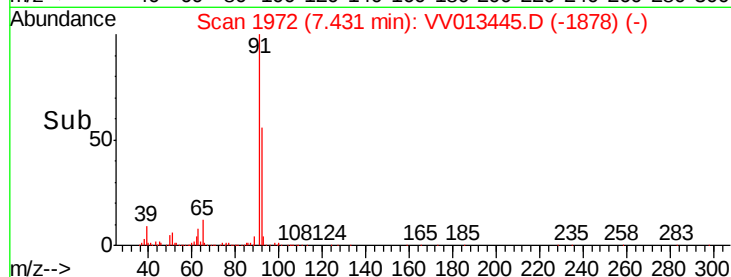
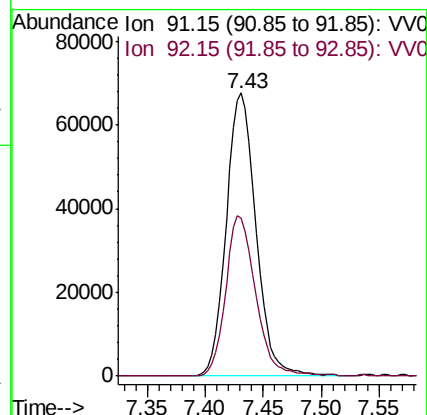
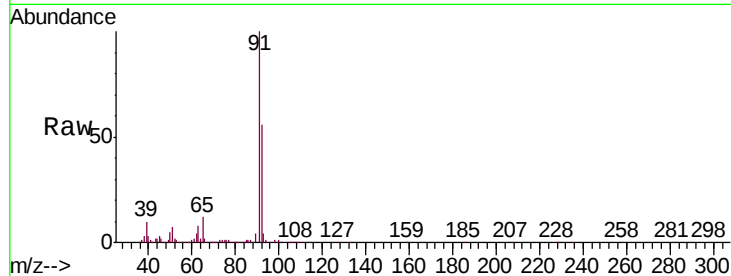
VSTD00134

Tgt Ion: 91 Resp: 119807

Ion Ratio Lower Upper

91 100

92 55.8 41.5 77.1



#44

trans-1,3-Dichloropropene

Concen: 0.775 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV013445.D

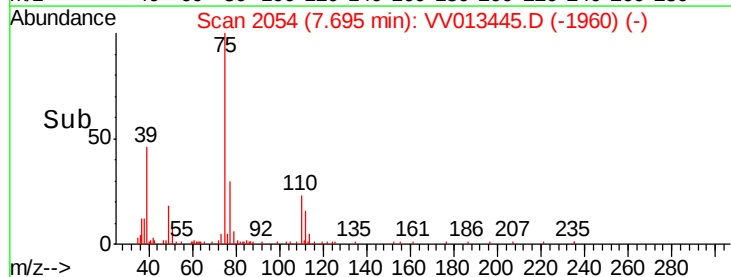
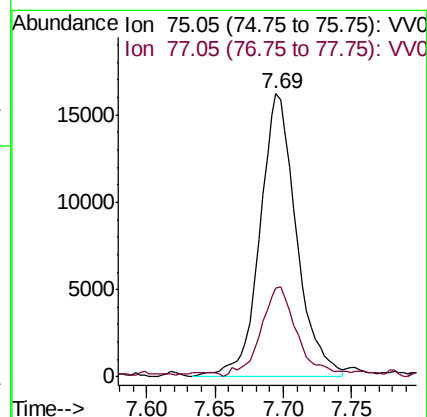
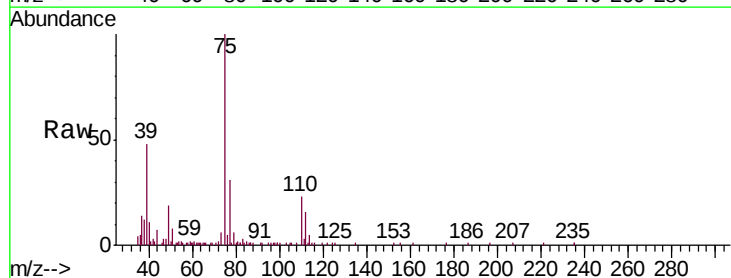
Acq: 31 Oct 2019 13:59

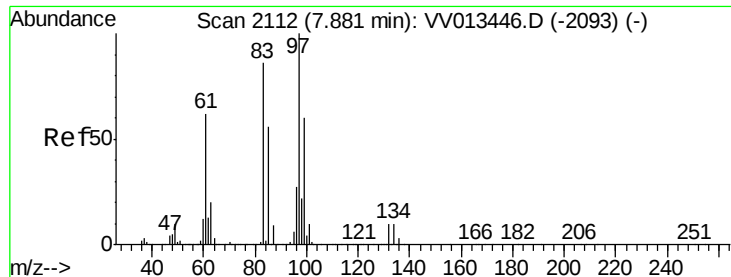
Tgt Ion: 75 Resp: 30100

Ion Ratio Lower Upper

75 100

77 31.3 21.9 40.7





#45

1,1,2-Trichloroethane

Concen: 0.900 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV013445.D

Acq: 31 Oct 2019 13:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD00134

Tgt Ion: 97 Resp: 21730

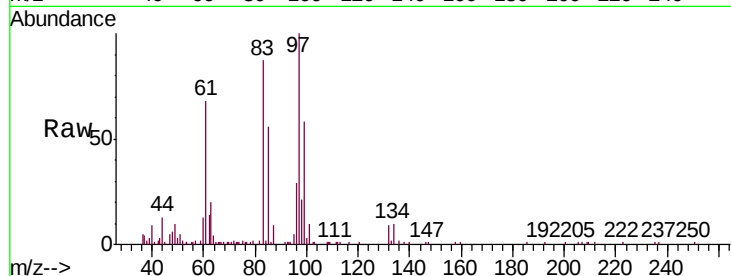
Ion Ratio Lower Upper

97 100

99 57.8 42.3 78.5

83 86.6 60.0 111.4

85 55.8 38.9 72.2

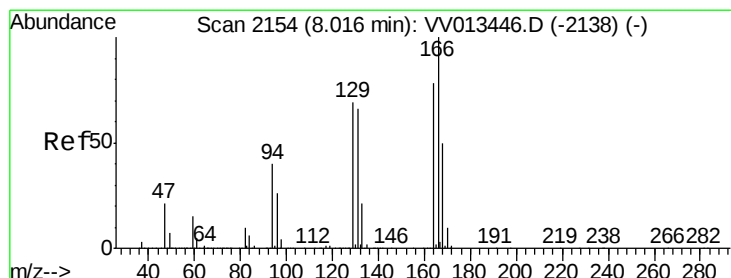
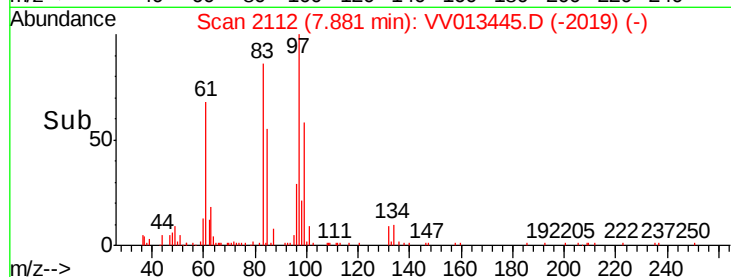
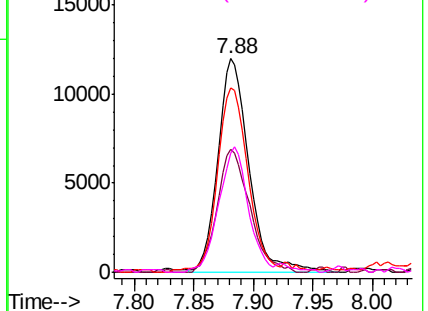


Abundance Ion 96.95 (96.65 to 97.65): VV013446.D (-2093) (-)

Ion 99.05 (98.75 to 99.75): VV013446.D (-2093) (-)

Ion 82.95 (82.65 to 83.65): VV013446.D (-2093) (-)

Ion 85.00 (84.70 to 85.70): VV013446.D (-2093) (-)



#47

Tetrachloroethene

Concen: 0.842 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013445.D

Acq: 31 Oct 2019 13:59

Tgt Ion: 164 Resp: 27822

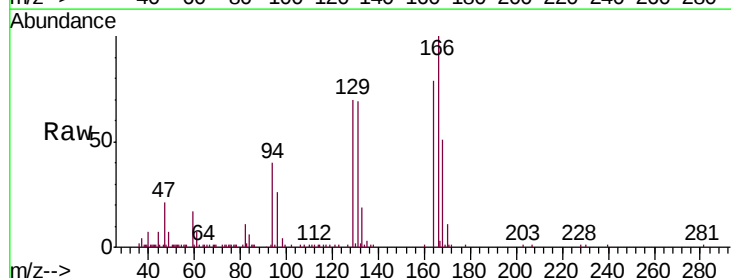
Ion Ratio Lower Upper

164 100

129 88.8 61.7 114.5

131 86.6 59.4 110.2

166 126.4 89.9 166.9

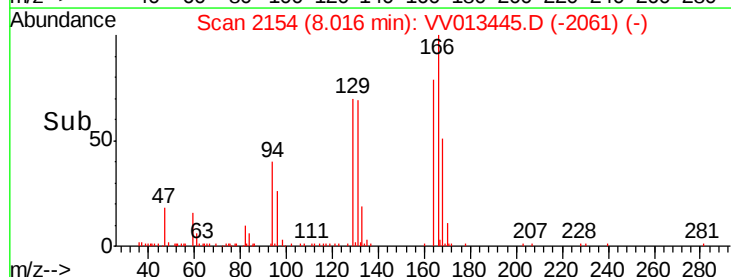
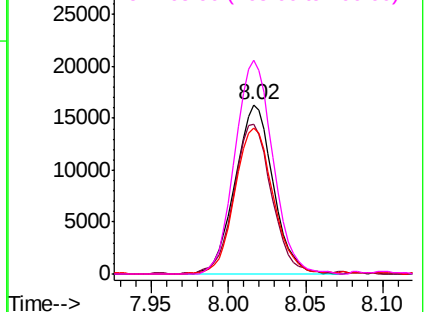


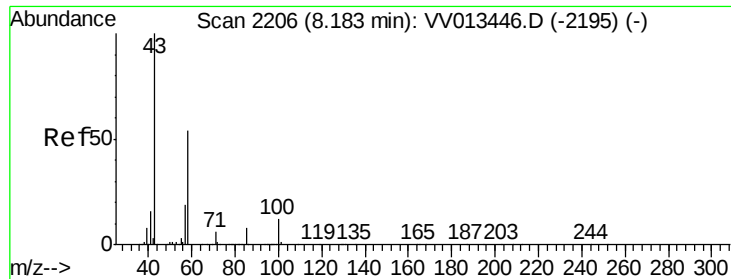
Abundance Ion 163.90 (163.60 to 164.60): VV013446.D (-2138) (-)

Ion 128.95 (128.65 to 129.65): VV013446.D (-2138) (-)

Ion 130.95 (130.65 to 131.65): VV013446.D (-2138) (-)

Ion 165.90 (165.60 to 166.60): VV013446.D (-2138) (-)

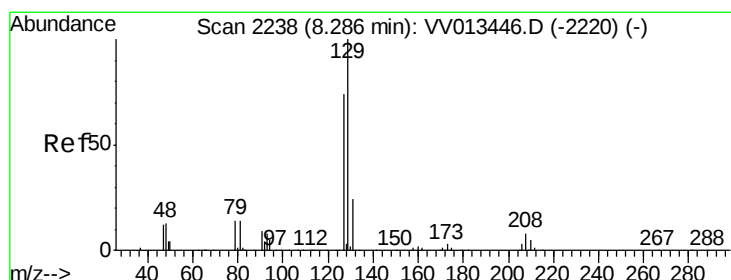
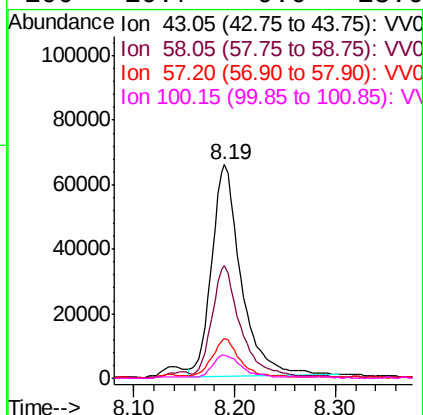
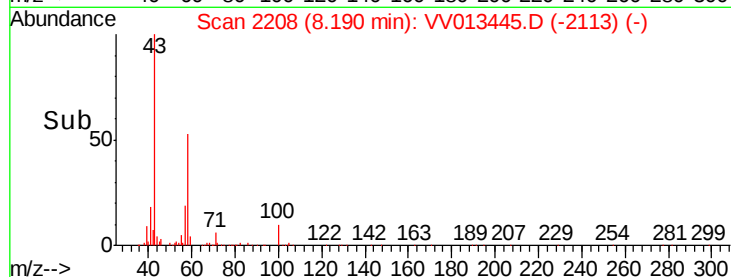
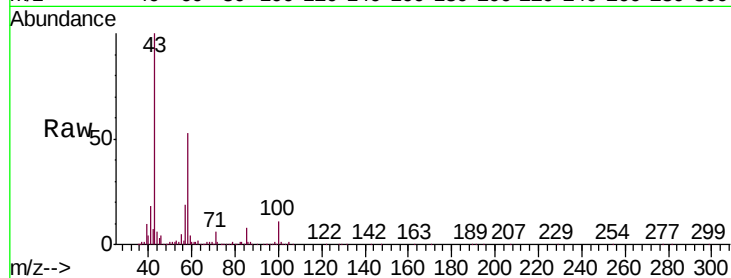




#48
2-Hexanone
Concen: 9.018 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.01 min
Lab File: VV013445.D
Acq: 31 Oct 2019 13:59

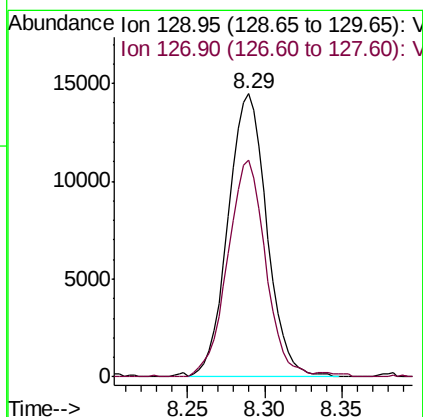
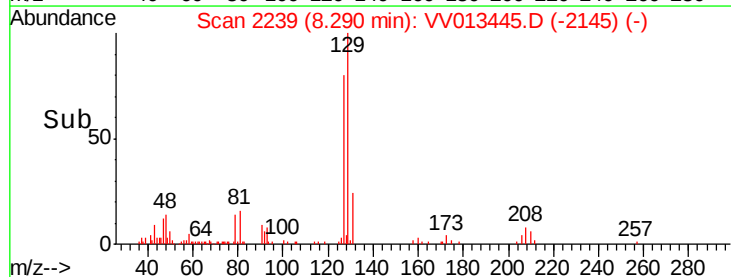
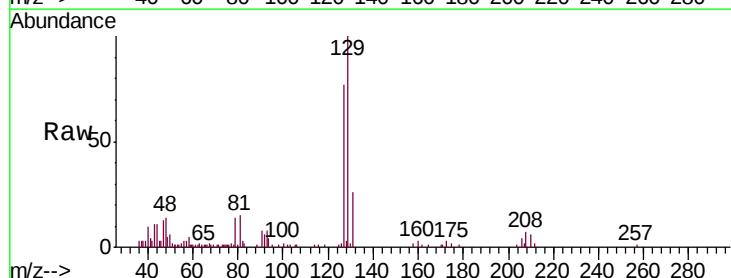
Instrument :
MSVOA_V
ClientSampleId :
VSTD00134

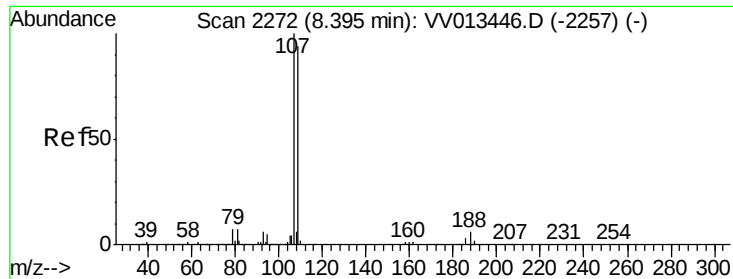
Tgt Ion:	43	Resp:	133533
Ion	Ratio	Lower	Upper
43	100		
58	50.1	42.2	63.4
57	16.2	14.9	22.3
100	10.7	9.0	13.6



#49
Dibromochloromethane
Concen: 0.837 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV013445.D
Acq: 31 Oct 2019 13:59

Tgt Ion:	129	Resp:	25145
Ion	Ratio	Lower	Upper
129	100		
127	76.7	52.1	96.7

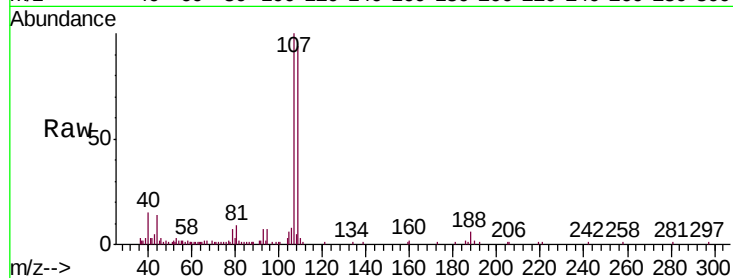




#50
1,2-Dibromoethane
Concen: 0.909 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV013445.D
Acq: 31 Oct 2019 13:59

Instrument :
MSVOA_V
ClientSampleId :
VSTD00134

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.5	65.5	121.7
188	5.6	4.5	6.7

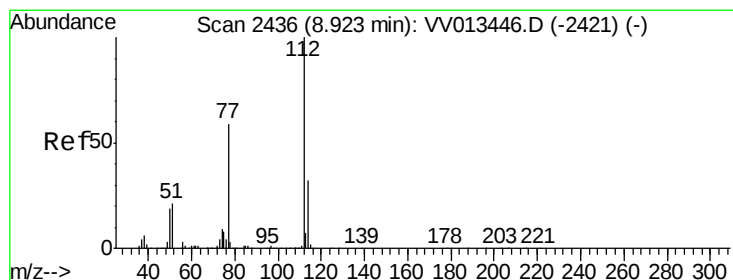
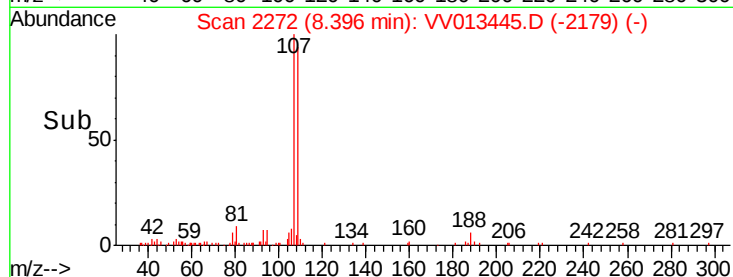
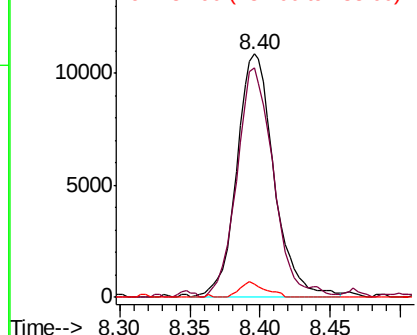


Abundance

Ion 106.95 (106.65 to 107.65): V

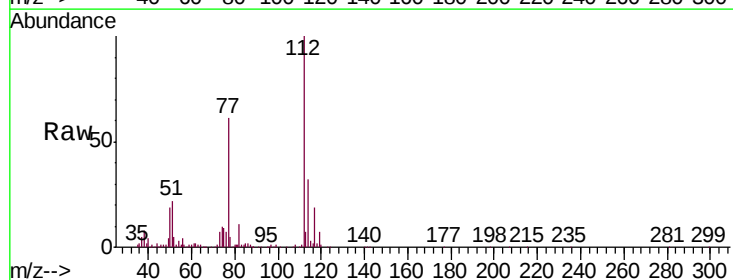
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
Chlorobenzene
Concen: 0.830 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV013445.D
Acq: 31 Oct 2019 13:59

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.5	41.7
77	61.5	47.3	70.9

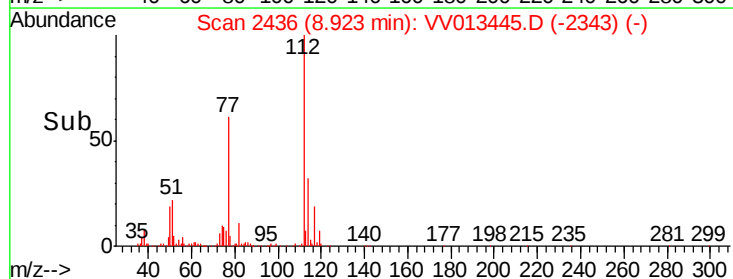
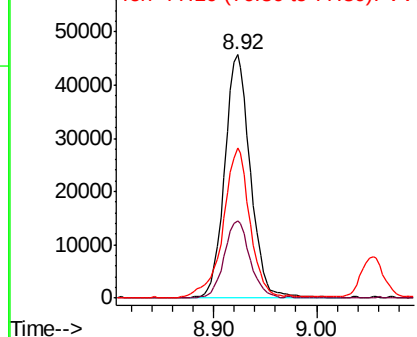


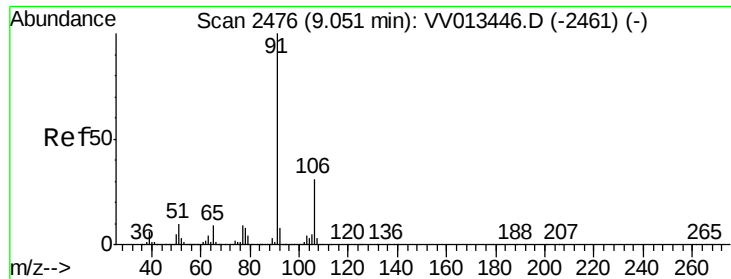
Abundance

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): VV0





#52

Ethylbenzene

Concen: 0.775 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV013445.D

Acq: 31 Oct 2019 13:59

Instrument :

MSVOA_V

ClientSampleId :

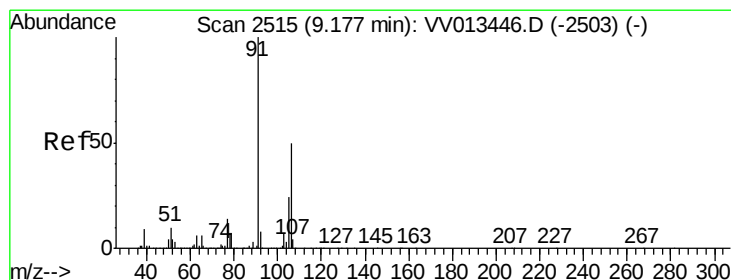
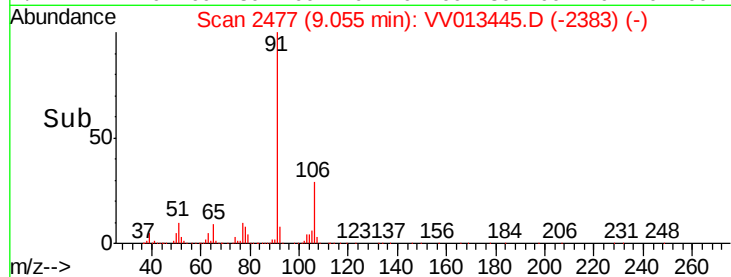
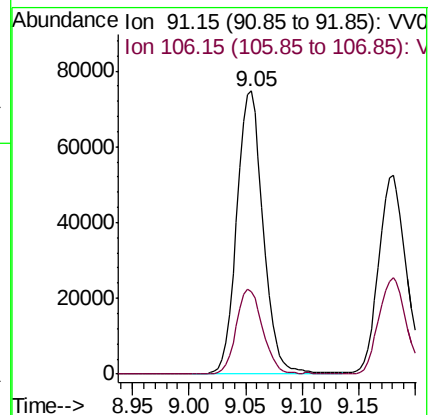
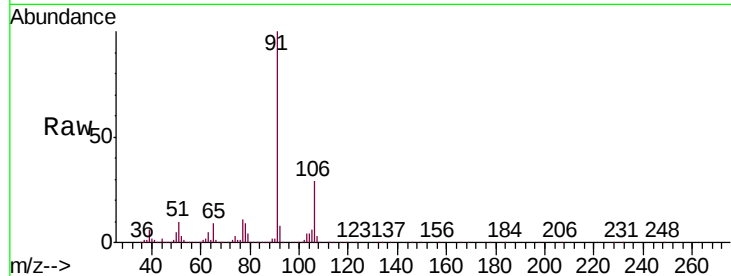
VSTD00134

Tgt Ion: 91 Resp: 121929

Ion Ratio Lower Upper

91 100

106 29.3 21.5 39.9



#53

m,p-xylene

Concen: 0.751 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013445.D

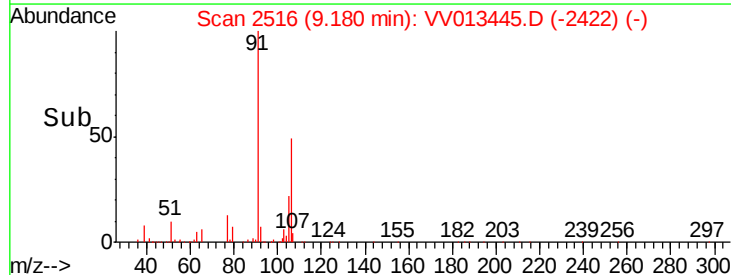
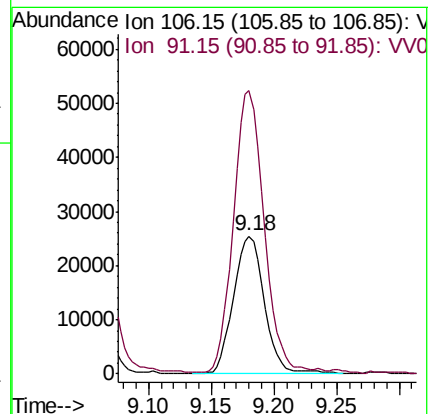
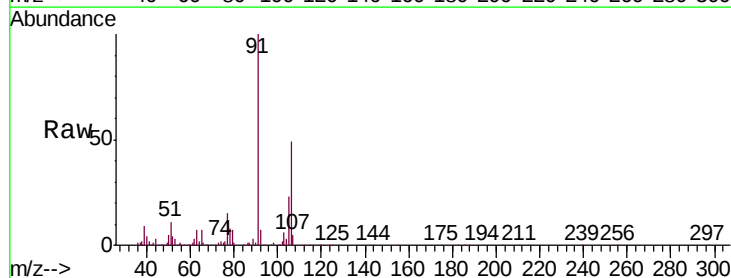
Acq: 31 Oct 2019 13:59

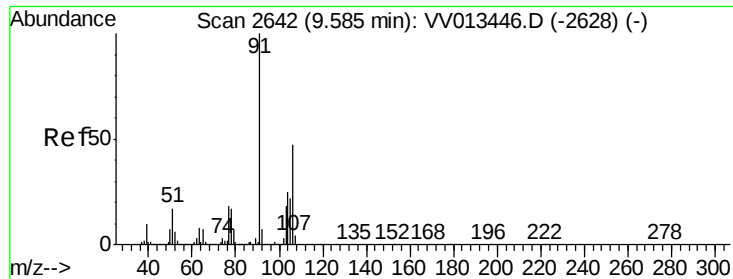
Tgt Ion: 106 Resp: 43811

Ion Ratio Lower Upper

106 100

91 205.0 141.5 262.7





#54

o-xylene

Concen: 0.763 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV013445.D

Acq: 31 Oct 2019 13:59

Instrument :

MSVOA_V

ClientSampleId :

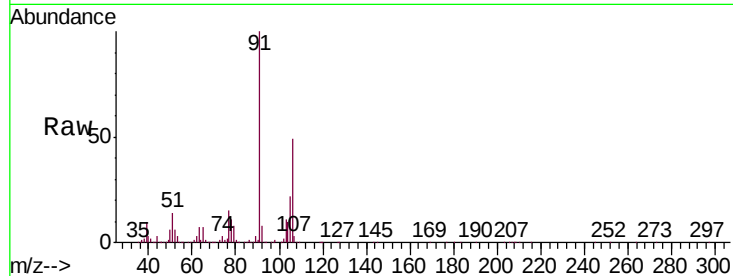
VSTD00134

Tgt Ion:106 Resp: 43309

Ion Ratio Lower Upper

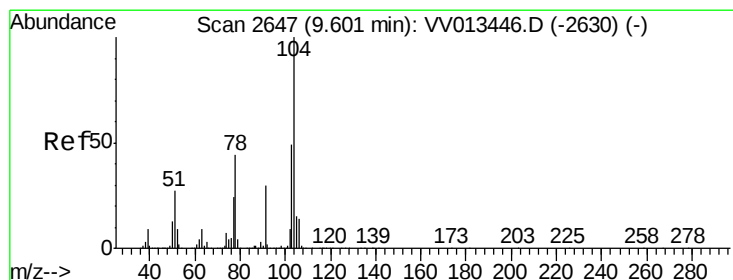
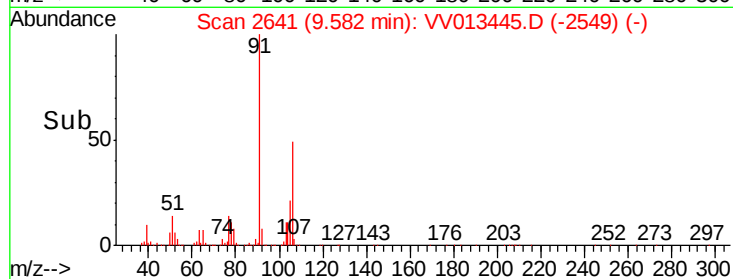
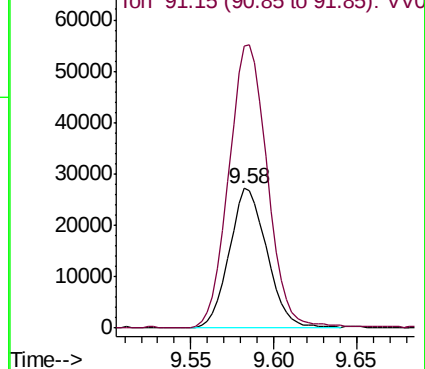
106 100

91 202.1 148.3 275.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.712 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV013445.D

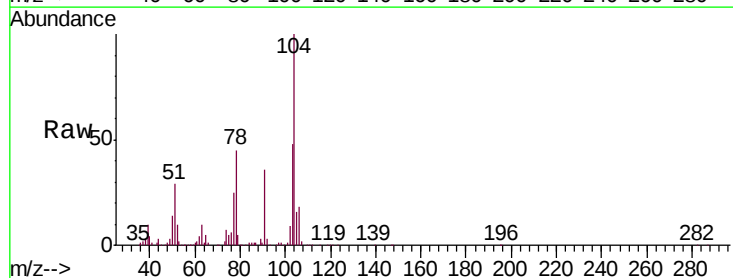
Acq: 31 Oct 2019 13:59

Tgt Ion:104 Resp: 67705

Ion Ratio Lower Upper

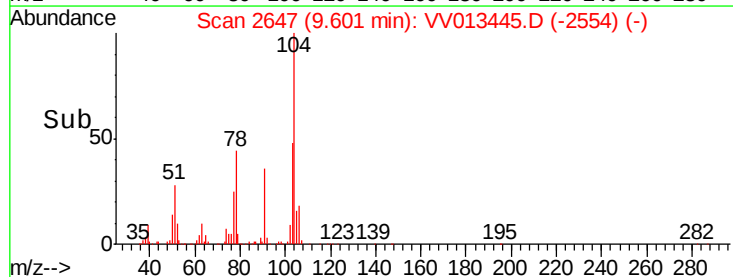
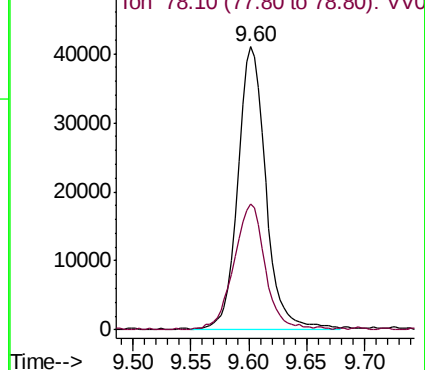
104 100

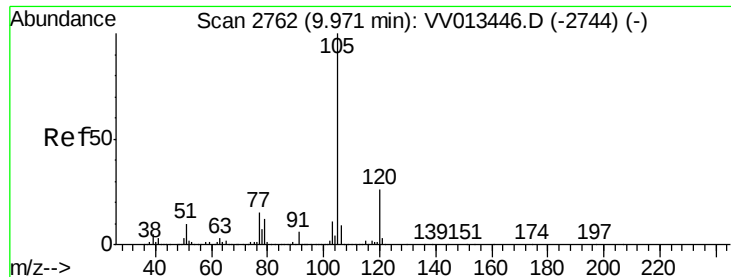
78 44.7 30.6 56.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.734 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013445.D

Acq: 31 Oct 2019 13:59

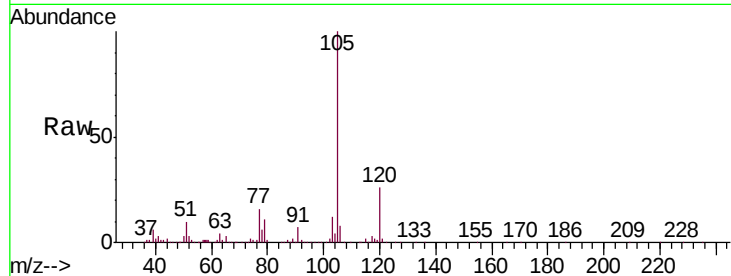
Instrument :

MSVOA_V

ClientSampleId :

VSTD00134

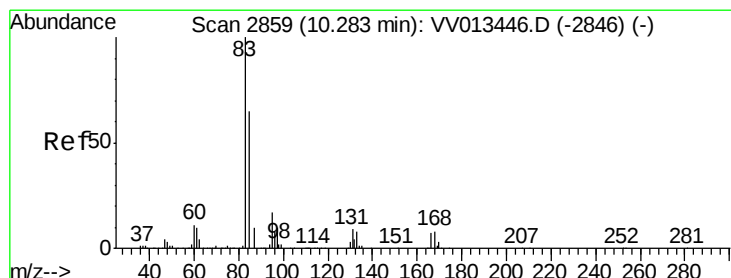
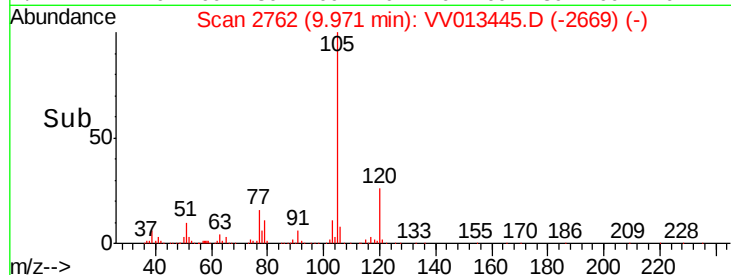
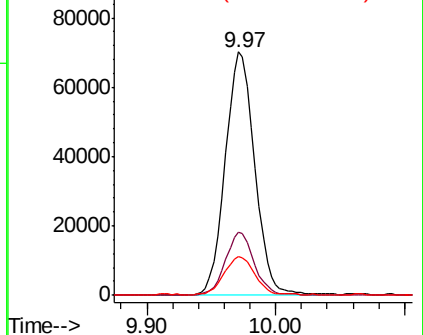
Tgt Ion:	105	Resp:	111555
Ion	Ratio	Lower	Upper
105	100		
120	25.0	21.1	31.7
77	16.5	12.2	18.4



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: 0.877 ug/L

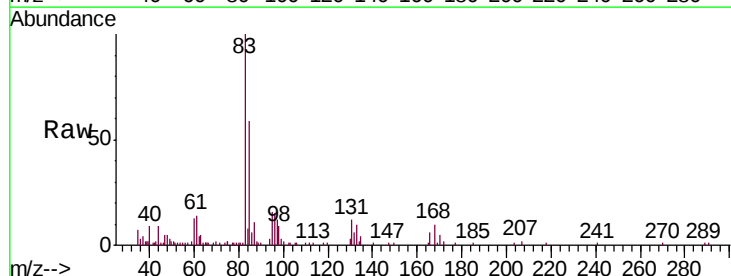
RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV013445.D

Acq: 31 Oct 2019 13:59

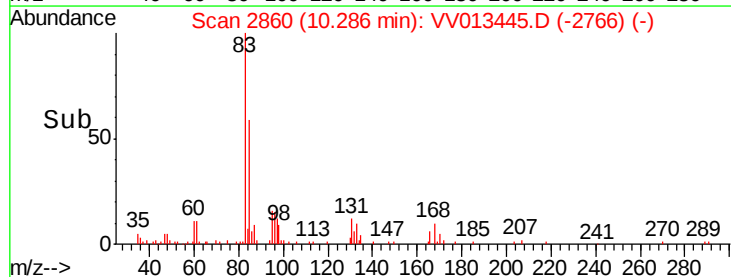
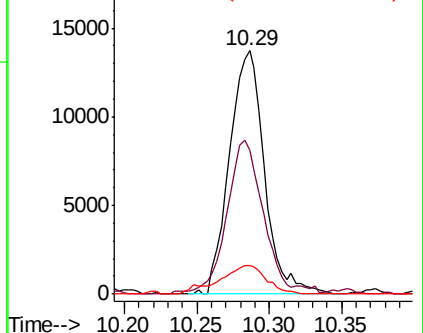
Tgt Ion:	83	Resp:	22947
Ion	Ratio	Lower	Upper
83	100		
85	58.8	45.8	85.0
131	12.0	7.6	11.4

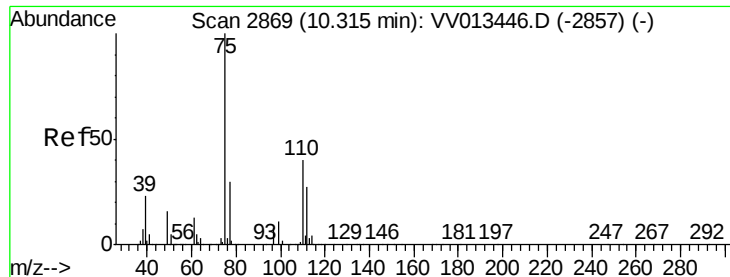


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.895 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV013445.D

Acq: 31 Oct 2019 13:59

Instrument :

MSVOA_V

ClientSampleId :

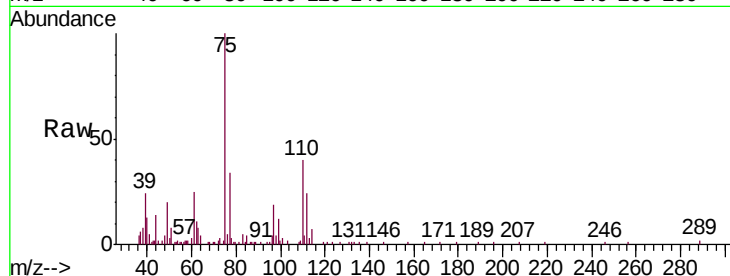
VSTD00134

Tgt Ion: 75 Resp: 19081

Ion Ratio Lower Upper

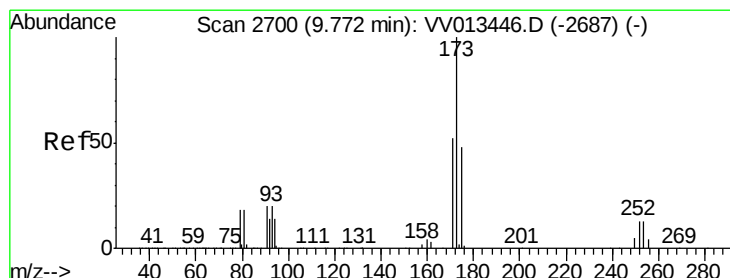
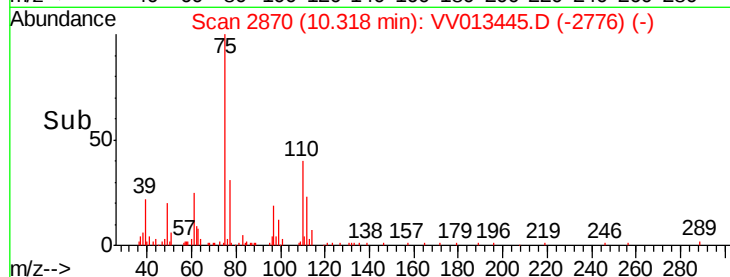
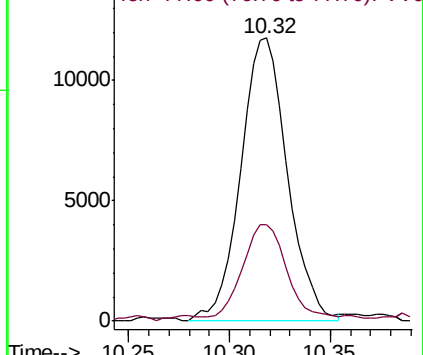
75 100

77 31.1 24.4 36.6



Abundance Ion 75.00 (74.70 to 75.70): VV013446.D (-2857) (-)

Ion 77.00 (76.70 to 77.70): VV013446.D (-2857) (-)



#61

Bromoform

Concen: 0.895 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV013445.D

Acq: 31 Oct 2019 13:59

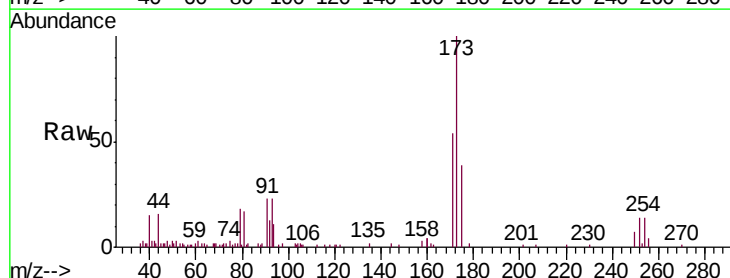
Tgt Ion: 173 Resp: 14486

Ion Ratio Lower Upper

173 100

175 47.5 38.6 58.0

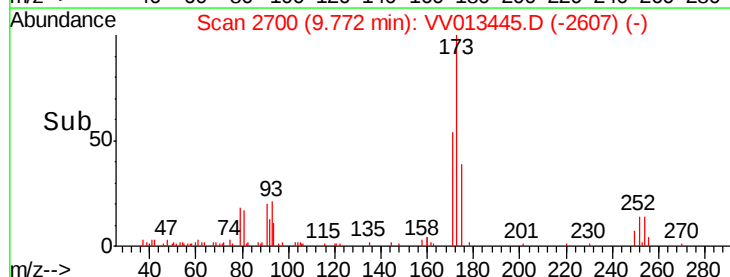
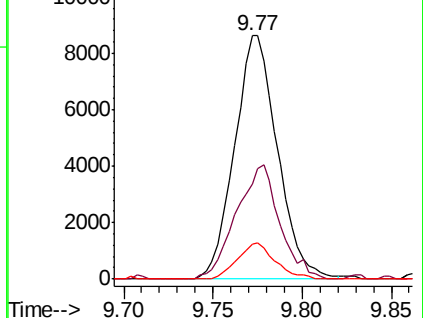
254 13.0 10.1 15.1

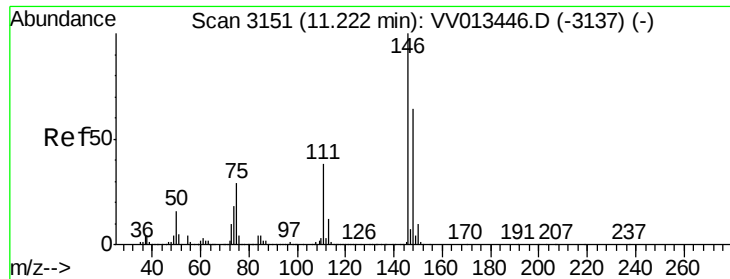


Abundance Ion 172.90 (172.60 to 173.60): VV013446.D (-2687) (-)

Ion 174.90 (174.60 to 175.60): VV013446.D (-2687) (-)

Ion 253.75 (253.45 to 254.45): VV013446.D (-2687) (-)





#62

1,3-Dichlorobenzene

Concen: 0.852 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV013445.D

Acq: 31 Oct 2019 13:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD00134

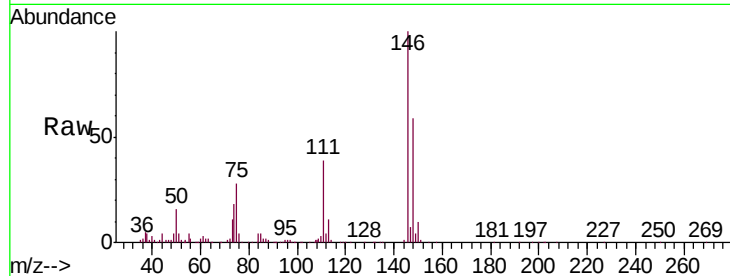
Tgt Ion:146 Resp: 61890

Ion Ratio Lower Upper

146 100

111 38.6 26.2 48.8

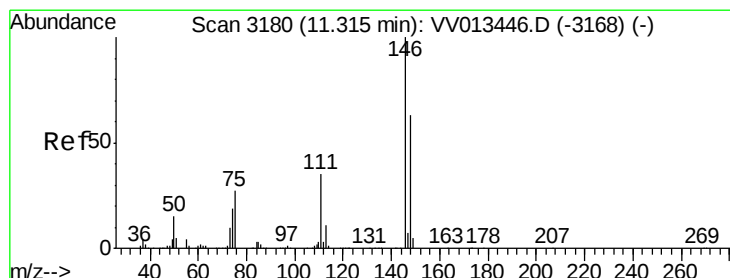
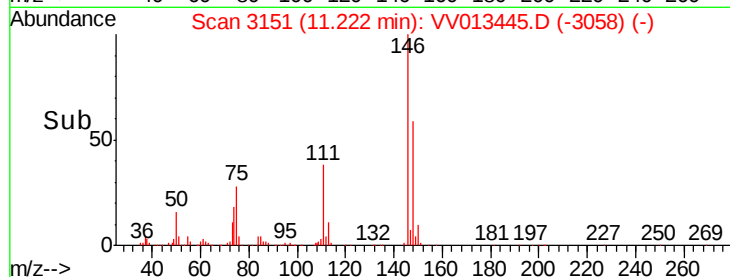
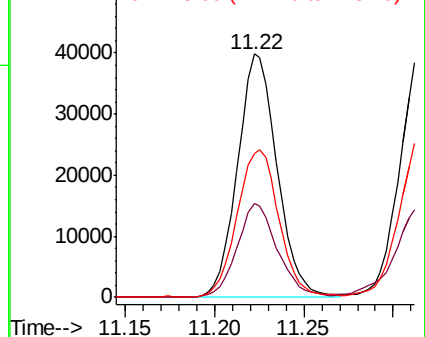
148 59.2 44.9 83.5



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: 0.884 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV013445.D

Acq: 31 Oct 2019 13:59

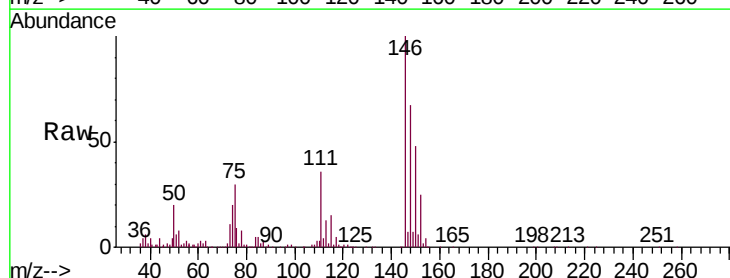
Tgt Ion:146 Resp: 64584

Ion Ratio Lower Upper

146 100

111 36.2 24.7 45.9

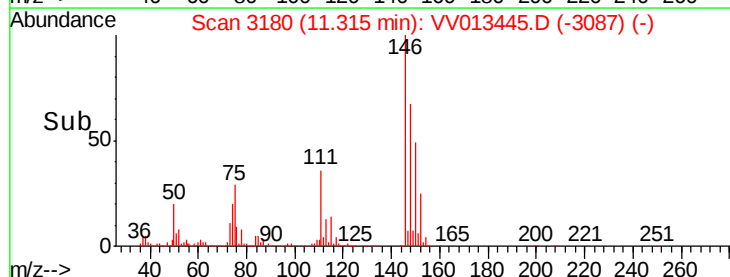
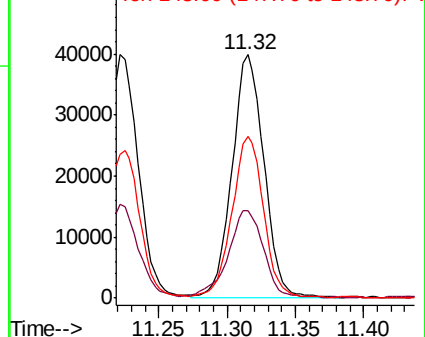
148 66.6 44.2 82.0

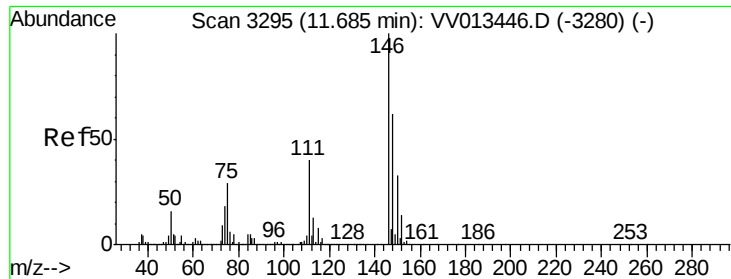


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

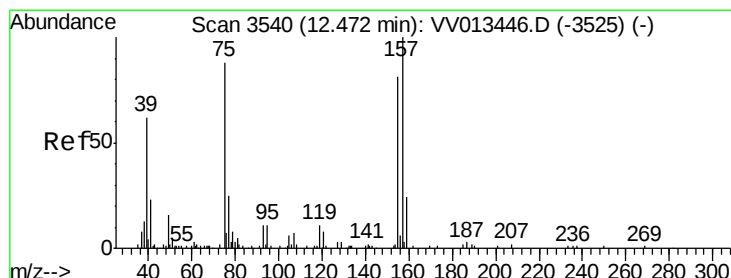
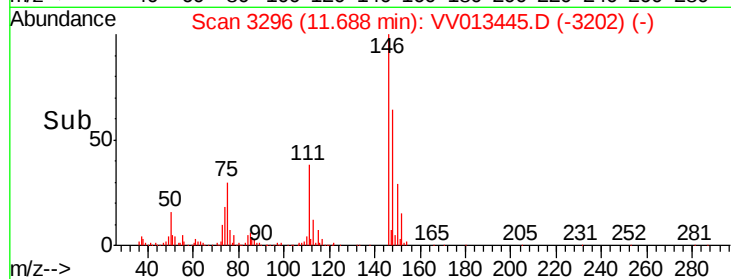
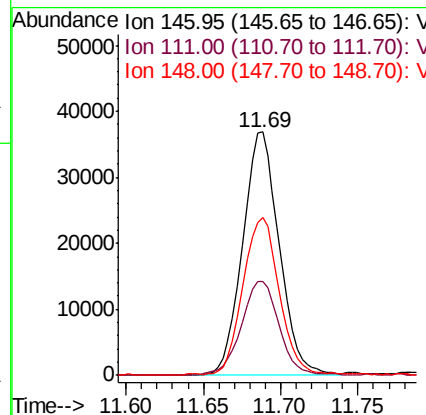
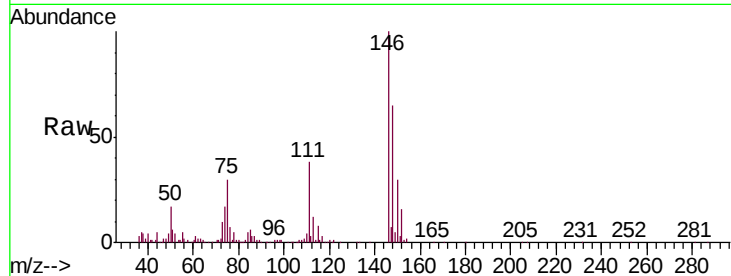




#65
 1,2-Dichlorobenzene
 Concen: 0.898 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV013445.D
 Acq: 31 Oct 2019 13:59

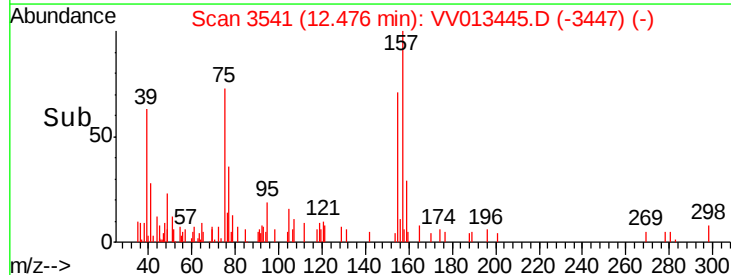
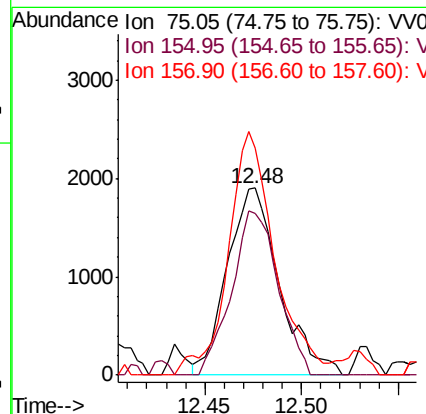
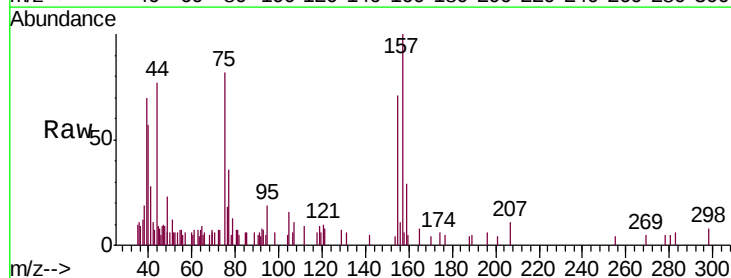
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00134

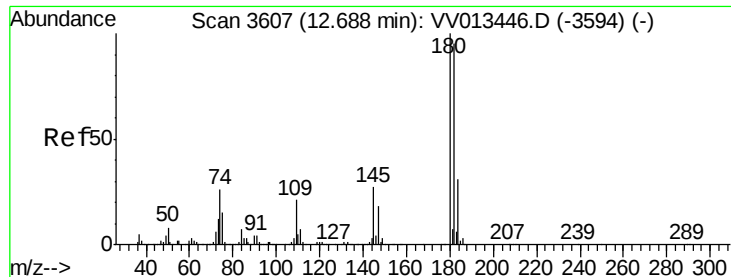
Tgt Ion:146 Resp: 60704
 Ion Ratio Lower Upper
 146 100
 111 38.5 31.8 47.6
 148 64.9 49.5 74.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.016 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV013445.D
 Acq: 31 Oct 2019 13:59

Tgt Ion: 75 Resp: 3577
 Ion Ratio Lower Upper
 75 100
 155 86.4 73.5 110.3
 157 121.6 90.4 135.6

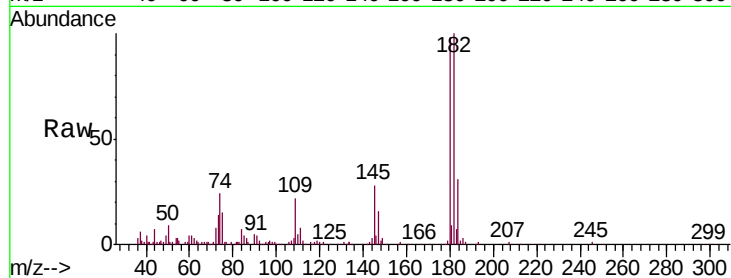




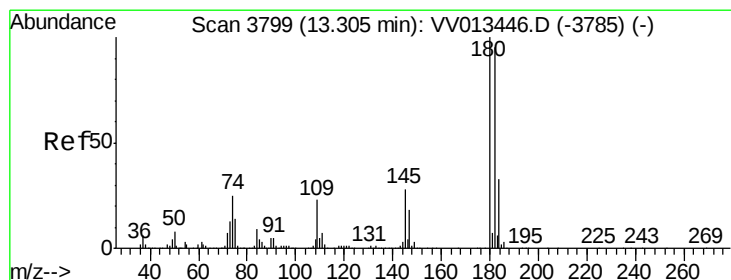
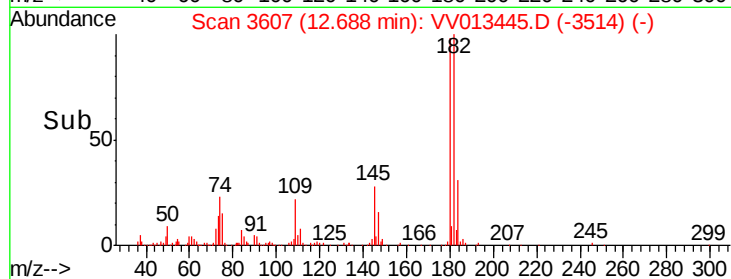
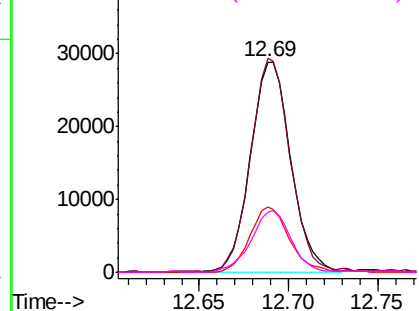
#67
 1,3,5-Trichlorobenzene
 Concen: 0.786 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013445.D
 Acq: 31 Oct 2019 13:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00134

Tgt Ion:	180	Resp:	45707
Ion	Ratio	Lower	Upper
180	100		
182	100.0	76.1	114.1
184	30.4	24.5	36.7
145	29.2	21.4	32.2

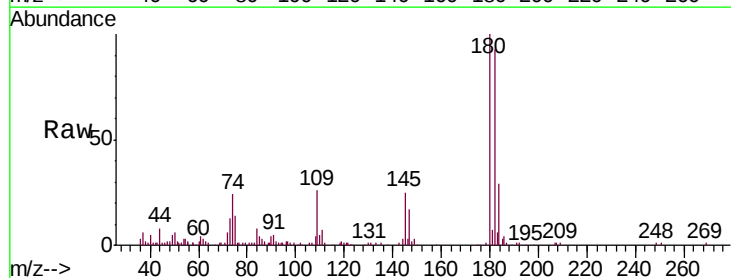


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

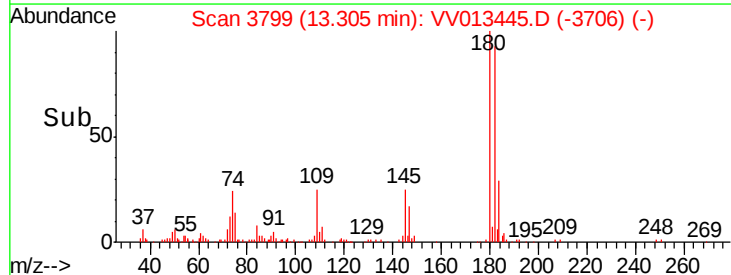
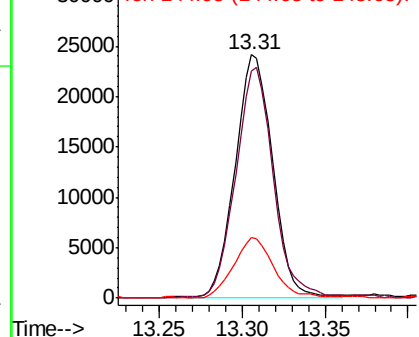


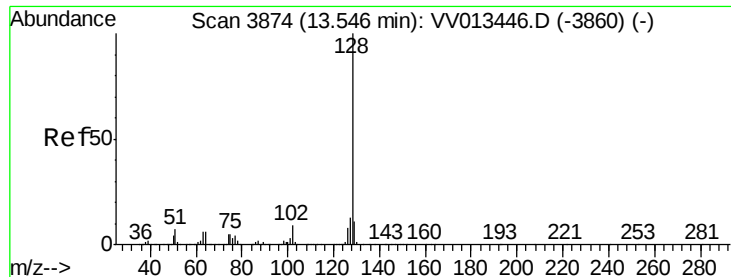
#68
 1,2,4-trichlorobenzene
 Concen: 0.845 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013445.D
 Acq: 31 Oct 2019 13:59

Tgt Ion:	180	Resp:	38190
Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.1	114.1
145	26.3	22.1	33.1



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.778 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV013445.D

Acq: 31 Oct 2019 13:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD00134

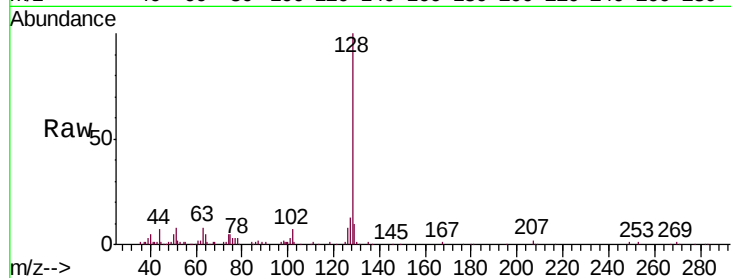
Tgt Ion:128 Resp: 49232

Ion Ratio Lower Upper

128 100

129 10.0 8.4 12.6

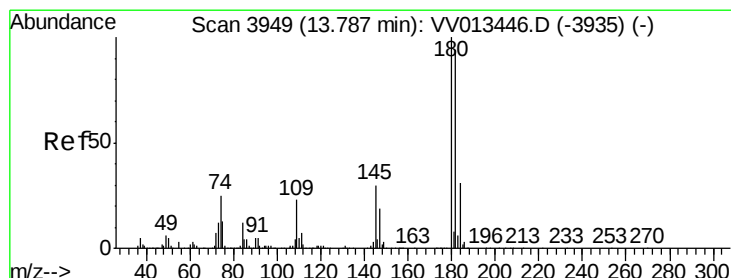
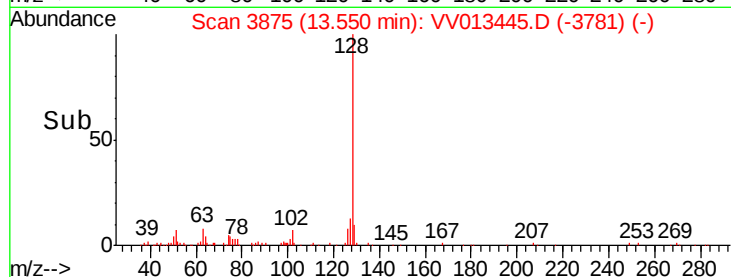
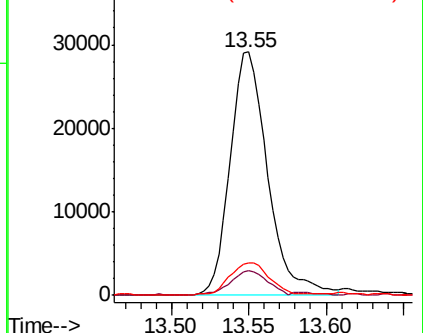
127 14.3 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.830 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV013445.D

Acq: 31 Oct 2019 13:59

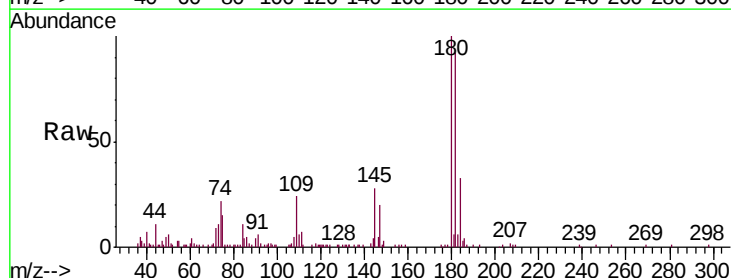
Tgt Ion:180 Resp: 34367

Ion Ratio Lower Upper

180 100

182 94.9 77.4 116.2

145 30.8 24.1 36.1



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

