

Data File : VV012441.D
Acq On : 29 Aug 2019 19:40
Operator : SY/MD
Sample : VSTD01032
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD01032

Quant Time: Aug 30 05:25:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 30 05:22:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	229577	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	223728	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	112910	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	197888	35.35	ug/L	0.00
7) Chloroethane-d5	1.58	69	143370	31.92	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	327420	19.36	ug/L	0.00
20) 2-Butanone-d5	3.96	46	438225	119.79	ug/L	0.00
24) Chloroform-d	4.40	84	341558	14.22	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	164857	16.34	ug/L	0.00
32) Benzene-d6	5.10	84	685527	20.56	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	210572	15.15	ug/L	0.00
41) Toluene-d8	7.36	98	640401	19.25	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	80263	15.56	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	341702	127.22	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	150126	11.57	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	218298	12.43	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	312555	9.573 ug/L	99
3) Chloromethane	1.25	50	296007	10.821 ug/L	100
5) Vinyl chloride	1.32	62	280703	11.094 ug/L	100
6) Bromomethane	1.54	94	149262	11.150 ug/L	100
8) Chloroethane	1.60	64	149692	11.200 ug/L	99
9) Trichlorofluoromethane	1.77	101	368422	10.674 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	184985	10.983 ug/L	99
12) 1,1-Dichloroethene	2.14	96	175019	10.921 ug/L	94
13) Acetone	2.23	43	292823	109.672 ug/L	100
14) Carbon disulfide	2.32	76	526338	10.847 ug/L	99
15) Methyl Acetate	2.47	43	73955	11.308 ug/L	98
16) Methylene chloride	2.53	84	177489	10.200 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	487557	10.241 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	219180	9.988 ug/L	99
19) 1,1-Dichloroethane	3.23	63	439567	10.199 ug/L	99
21) 2-Butanone	4.05	43	593676	109.053 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	241290	10.264 ug/L	97
23) Bromochloromethane	4.30	128	101822	10.248 ug/L	97
25) Chloroform	4.42	83	433869	9.654 ug/L	99
27) 1,2-Dichloroethane	5.18	62	261142	10.304 ug/L	98
29) 1,1,1-Trichloroethane	4.65	97	363367	9.926 ug/L	98
30) Cyclohexane	4.72	56	404632	10.878 ug/L	98
31) Carbon tetrachloride	4.87	117	324938	10.106 ug/L	98
33) Benzene	5.14	78	964896	10.424 ug/L	100
34) Trichloroethene	5.95	95	239481	9.985 ug/L	99
35) Methylcyclohexane	6.17	83	408589	11.119 ug/L	97
37) 1,2-Dichloropropane	6.22	63	245921	10.424 ug/L	99
38) Bromodichloromethane	6.55	83	302005	9.967 ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	344906	11.072 ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	1526559	113.489 ug/L	99

Data File : VV012441.D
Acq On : 29 Aug 2019 19:40
Operator : SY/MD
Sample : VSTD01032
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD01032

Quant Time: Aug 30 05:25:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 30 05:22:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	1030801	10.828	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	262128	10.801	ug/L	95
45) 1,1,2-Trichloroethane	7.88	97	160613	10.170	ug/L	99
47) Tetrachloroethene	8.02	164	196372	10.053	ug/L	98
48) 2-Hexanone	8.19	43	1057176	114.097	ug/L	99
49) Dibromochloromethane	8.29	129	191798	10.250	ug/L	98
50) 1,2-Dibromoethane	8.40	107	145514	10.183	ug/L	97
51) Chlorobenzene	8.92	112	625235	10.263	ug/L	98
52) Ethylbenzene	9.05	91	1127245	11.024	ug/L	99
53) m,p-xylene	9.18	106	423647	11.122	ug/L	99
54) o-xylene	9.59	106	409032	11.190	ug/L	95
55) Styrene	9.60	104	702897	11.433	ug/L	100
56) Isopropylbenzene	9.97	105	1099238	11.289	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	191334	10.167	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	136072	10.143	ug/L	100
61) Bromoform	9.77	173	103873	9.716	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	493825	10.238	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	487244	10.093	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	459409	10.193	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	28695	9.135	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	379752	10.256	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	294994	10.308	ug/L	99
69) Naphthalene	13.55	128	474562	10.792	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	286538	10.397	ug/L	98

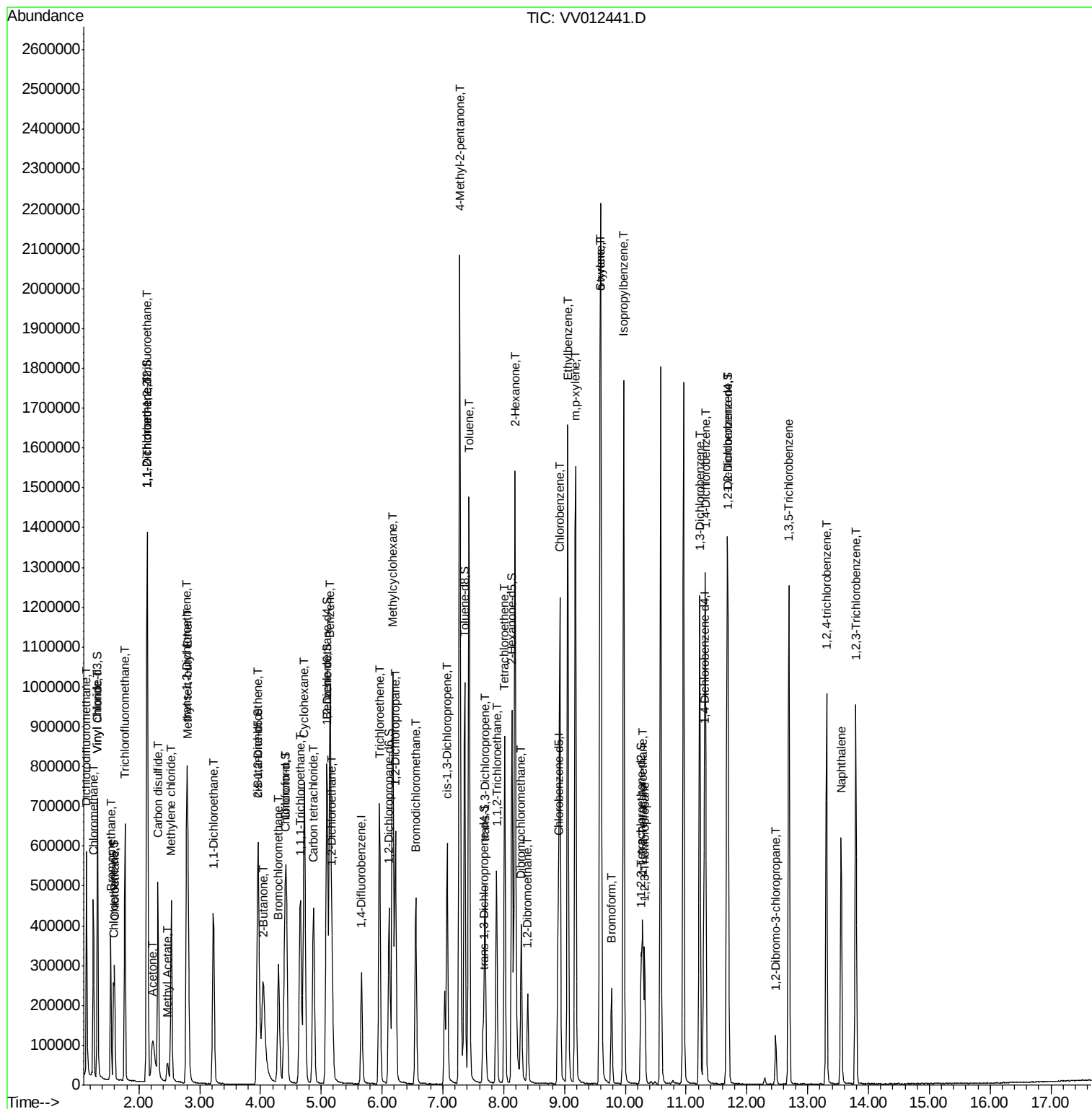
(#) = qualifier out of range (m) = manual integration (+) = signals summed

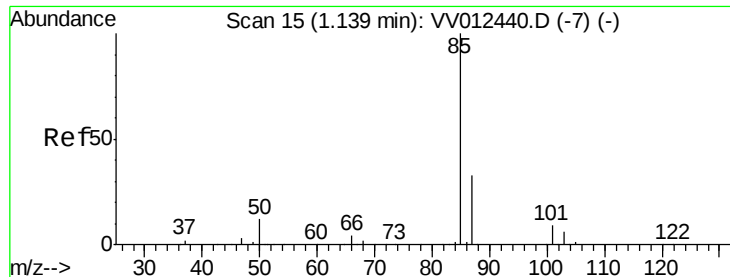
Data File : VV012441.D

```
Acq On       : 29 Aug 2019   19:40
Operator     : SY/MD
Sample       : VSTD01032
Misc         : 25mL/MSV0A_V/WATER
ALS Vial     : 6      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
VSTD01032

Quant Time: Aug 30 05:25:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 30 05:22:00 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 9.573 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV012441.D

Acq: 29 Aug 2019 19:40

Instrument :

MSVOA_V

ClientSampleId :

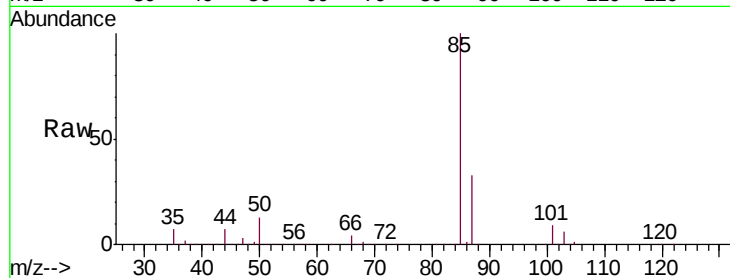
VSTD01032

Tgt Ion: 85 Resp: 312555

Ion Ratio Lower Upper

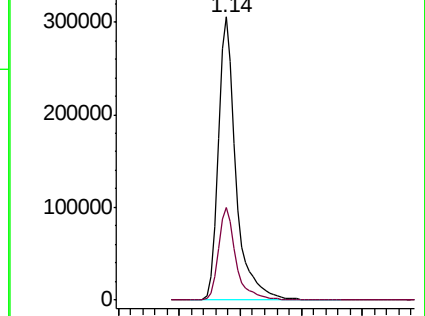
85 100

87 32.5 26.3 39.5

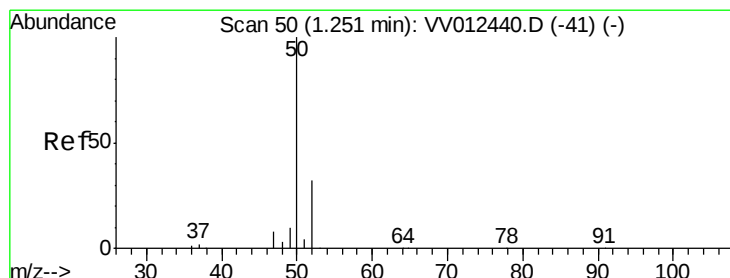
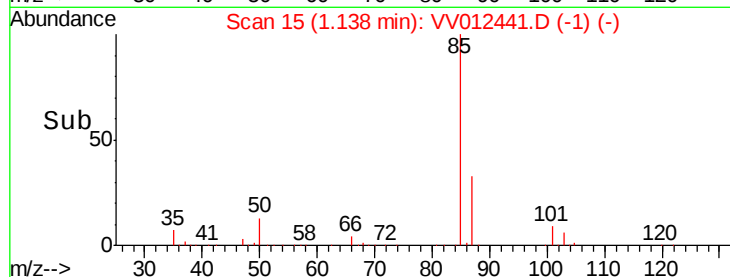


Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



Time-->



#3

Chloromethane

Concen: 10.821 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012441.D

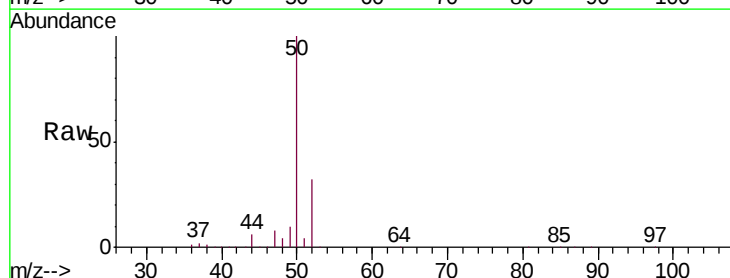
Acq: 29 Aug 2019 19:40

Tgt Ion: 50 Resp: 296007

Ion Ratio Lower Upper

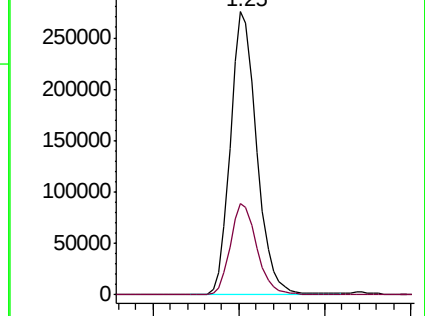
50 100

52 32.3 22.5 41.9

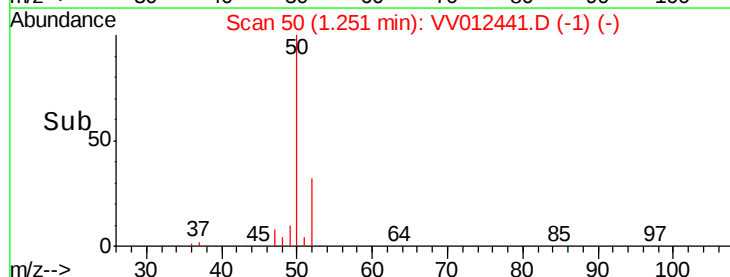


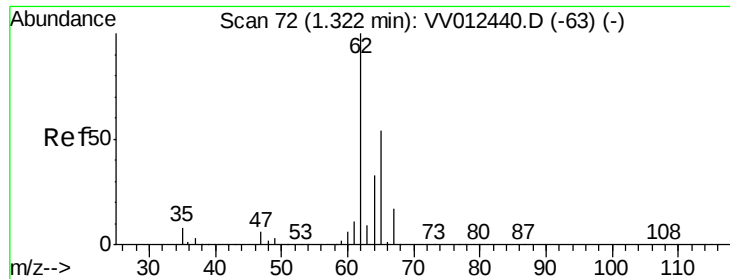
Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



Time-->





#5

Vinyl chloride

Concen: 11.094 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012441.D

Acq: 29 Aug 2019 19:40

Instrument :

MSVOA_V

ClientSampleId :

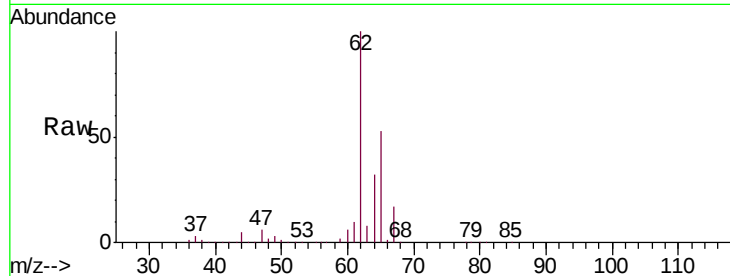
VSTD01032

Tgt Ion: 62 Resp: 280703

Ion Ratio Lower Upper

62 100

64 32.5 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

300000

250000

200000

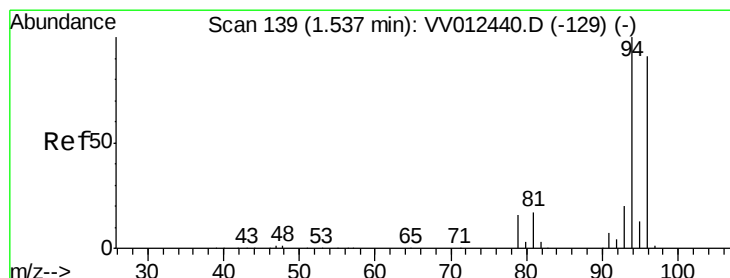
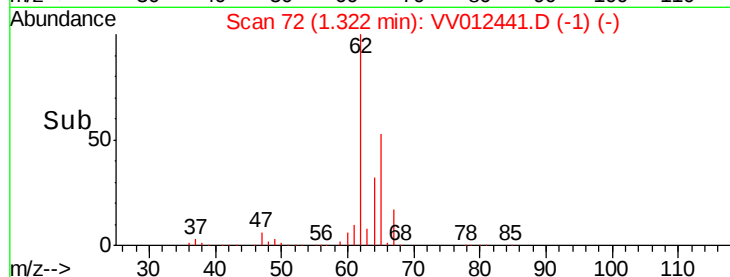
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 11.150 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV012441.D

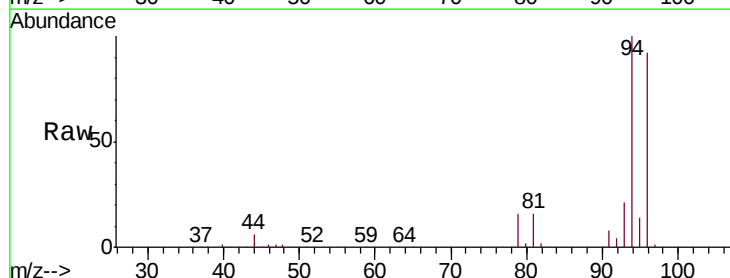
Acq: 29 Aug 2019 19:40

Tgt Ion: 94 Resp: 149262

Ion Ratio Lower Upper

94 100

96 91.8 64.0 119.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

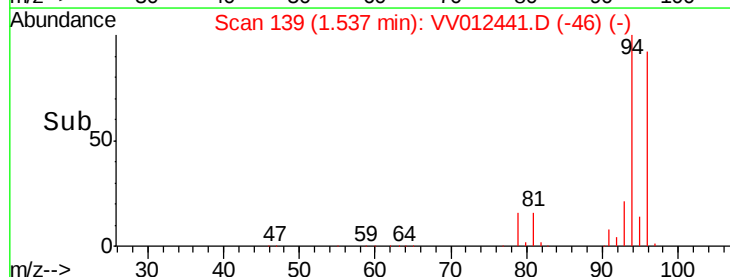
150000

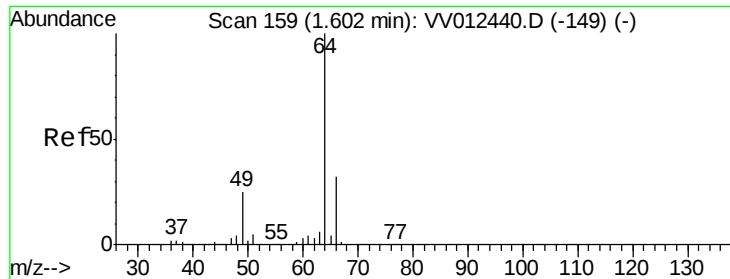
100000

50000

0

Time-->





#8

Chloroethane

Concen: 11.200 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV012441.D

Acq: 29 Aug 2019 19:40

Instrument :

MSVOA_V

ClientSampleId :

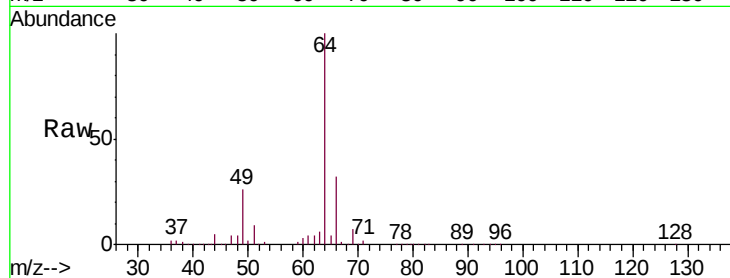
VSTD01032

Tgt Ion: 64 Resp: 149692

Ion Ratio Lower Upper

64 100

66 32.5 22.5 41.7



Abundance Ion 64.10 (63.80 to 64.80): VV012441.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VV012441.D (-149) (-)

1.60

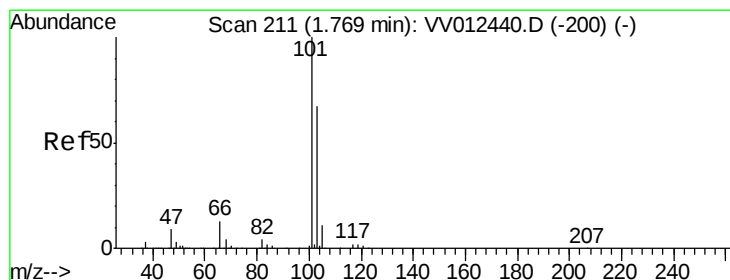
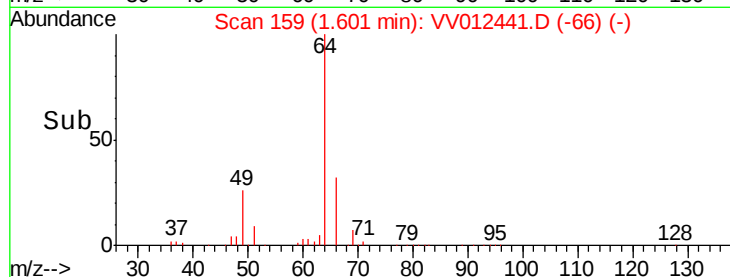
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 10.674 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV012441.D

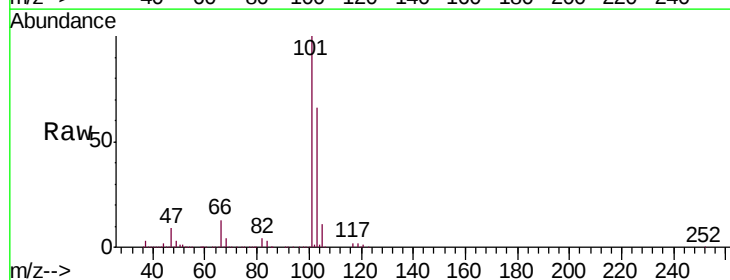
Acq: 29 Aug 2019 19:40

Tgt Ion: 101 Resp: 368422

Ion Ratio Lower Upper

101 100

103 65.1 53.0 79.4



Abundance Ion 101.00 (100.70 to 101.70): VV012441.D (-118) (-)

Ion 103.00 (102.70 to 103.70): VV012441.D (-118) (-)

1.77

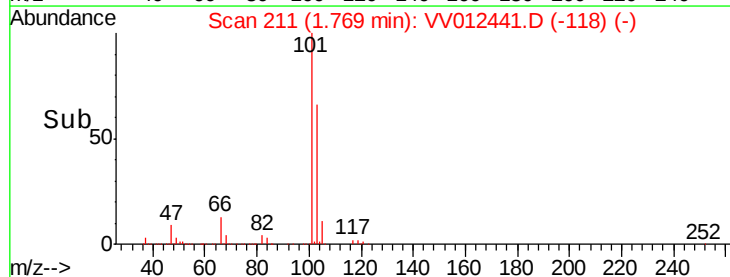
300000

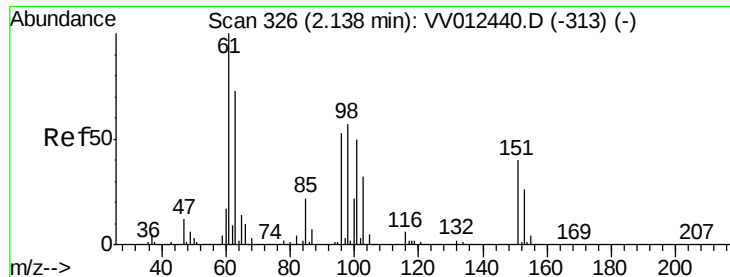
200000

100000

0

Time-->





#10

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

Concen: 10.983 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012441.D

Acq: 29 Aug 2019 19:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD01032

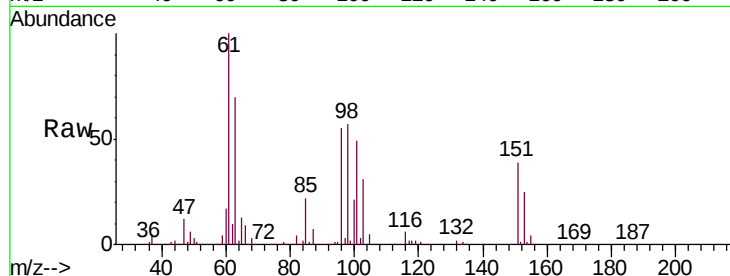
Tgt Ion: 101 Resp: 184985

Ion Ratio Lower Upper

101 100

85 43.9 35.4 53.2

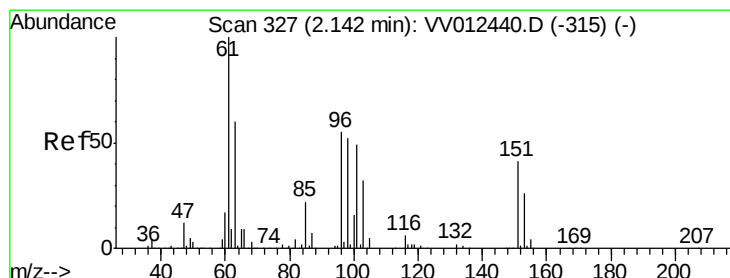
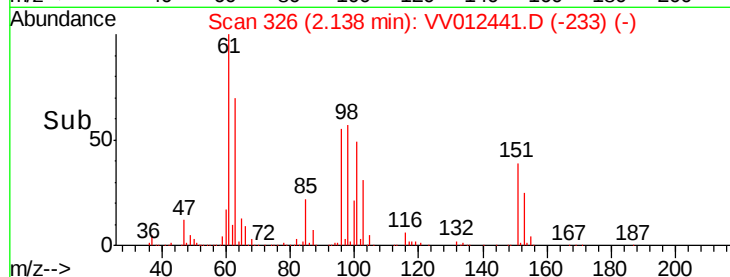
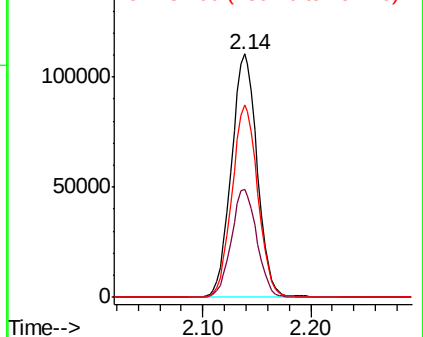
151 79.0 64.4 96.6



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: 10.921 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012441.D

Acq: 29 Aug 2019 19:40

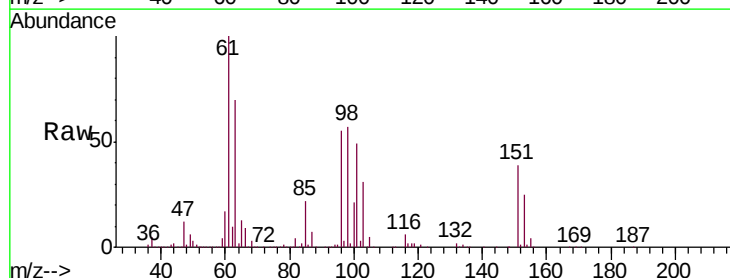
Tgt Ion: 96 Resp: 175019

Ion Ratio Lower Upper

96 100

61 182.5 127.8 237.4

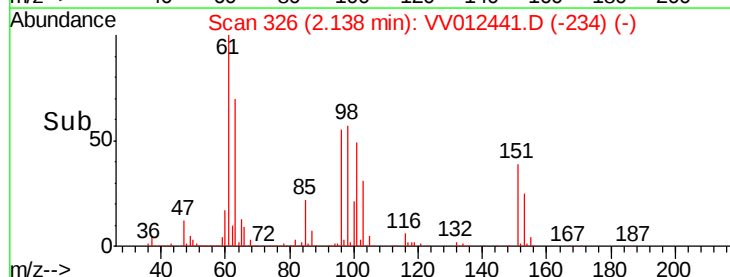
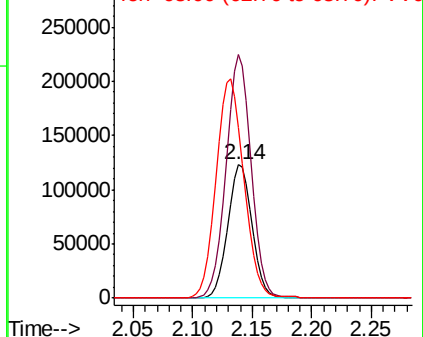
63 127.8 78.2 145.2

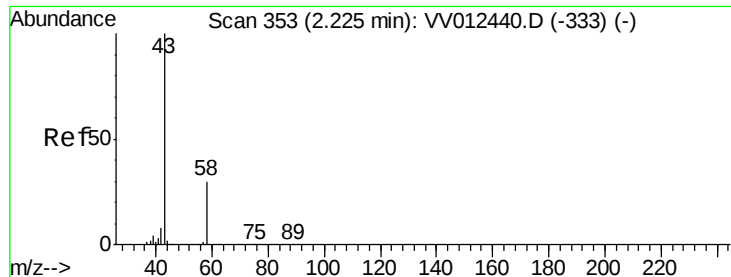


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 109.672 ug/L

RT: 2.23 min Scan# 354

Delta R.T. 0.00 min

Lab File: VV012441.D

Acq: 29 Aug 2019 19:40

Instrument :

MSVOA_V

ClientSampleId :

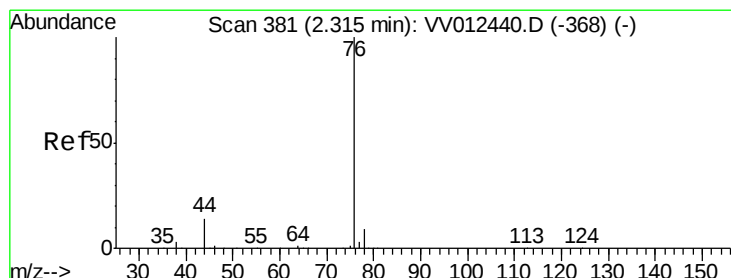
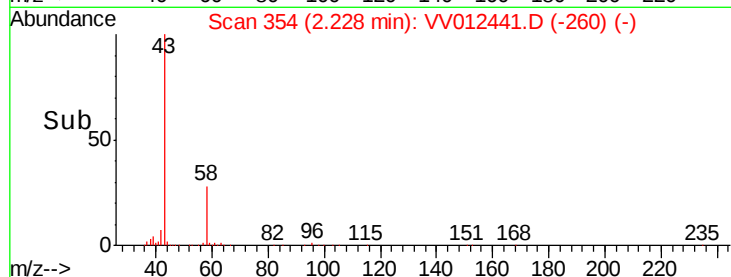
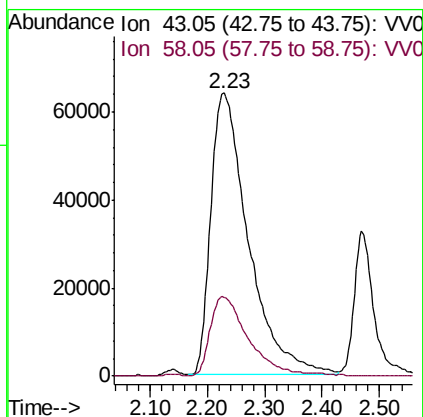
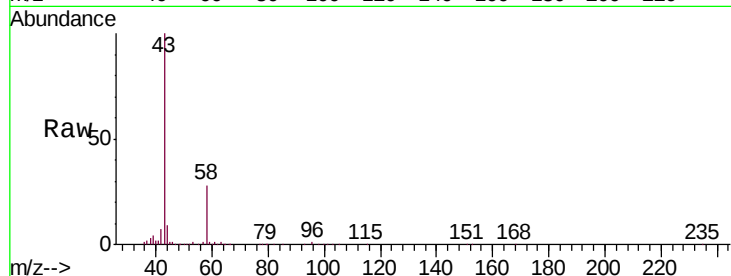
VSTD01032

Tgt Ion: 43 Resp: 292823

Ion Ratio Lower Upper

43 100

58 28.6 0.0 56.8



#14

Carbon disulfide

Concen: 10.847 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV012441.D

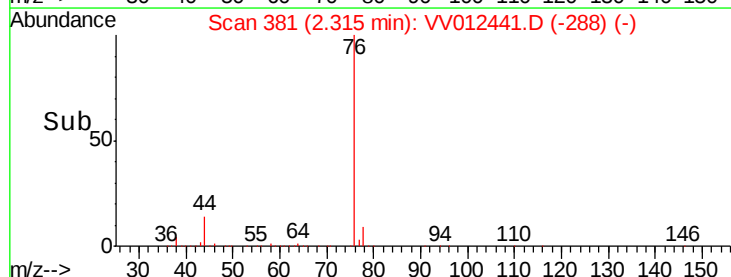
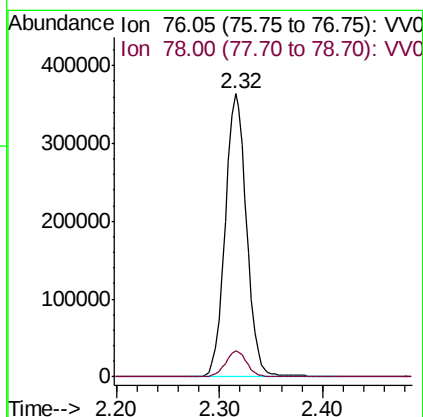
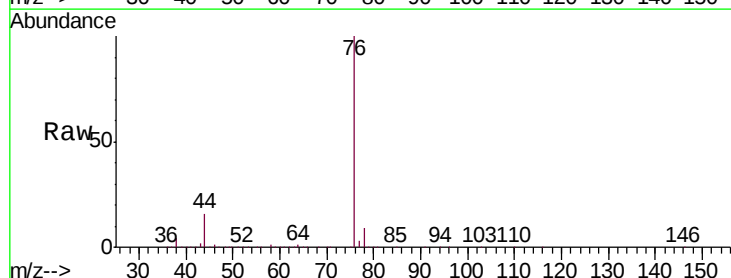
Acq: 29 Aug 2019 19:40

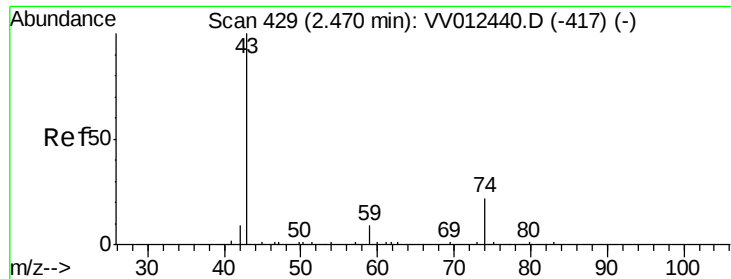
Tgt Ion: 76 Resp: 526338

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

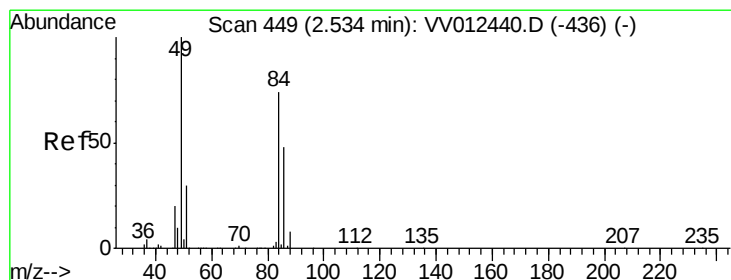
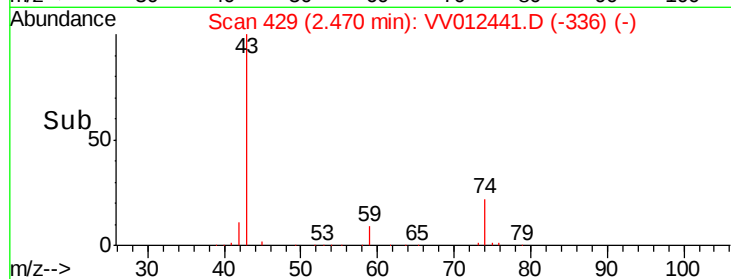
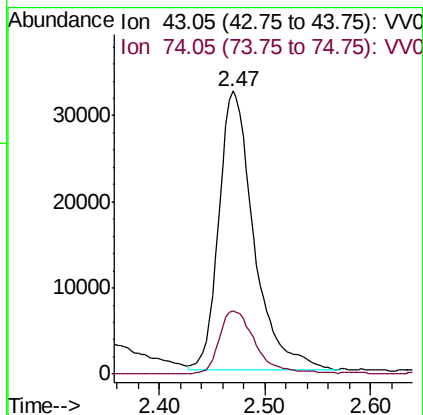
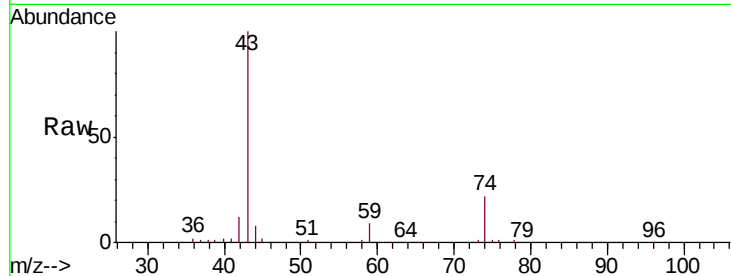




#15
Methyl Acetate
Concen: 11.308 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VV012441.D
Acq: 29 Aug 2019 19:40

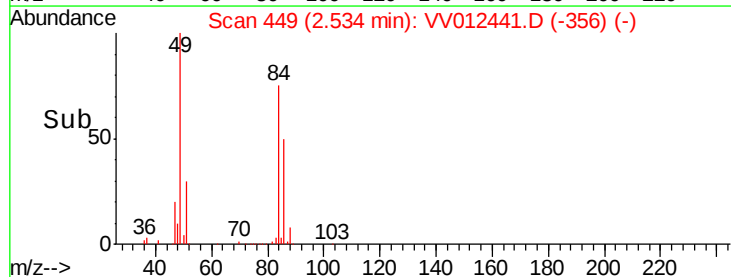
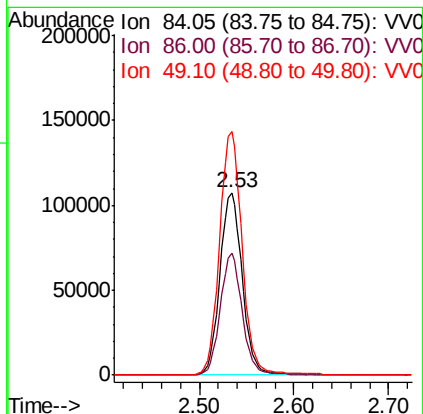
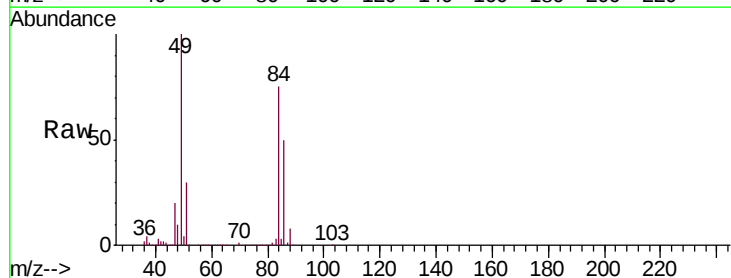
Instrument :
MSVOA_V
ClientSampleId :
VSTD01032

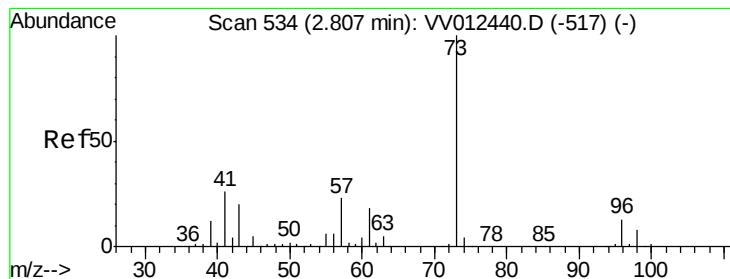
Tgt Ion: 43 Resp: 73955
Ion Ratio Lower Upper
43 100
74 23.3 18.1 27.1



#16
Methylene chloride
Concen: 10.200 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV012441.D
Acq: 29 Aug 2019 19:40

Tgt Ion: 84 Resp: 177489
Ion Ratio Lower Upper
84 100
86 66.6 45.2 84.0
49 133.5 95.1 176.7



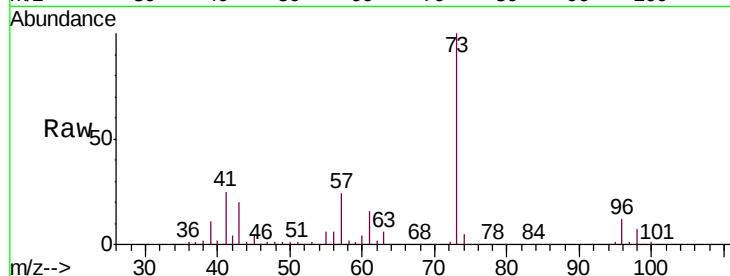


#17

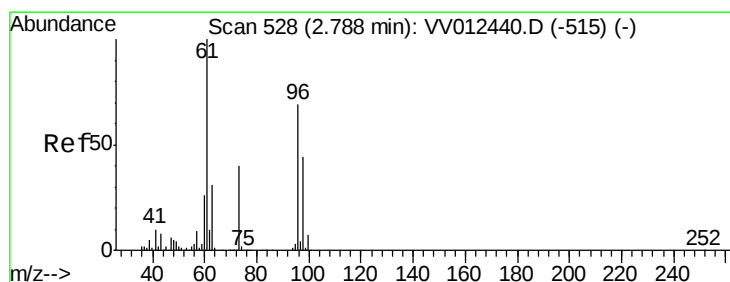
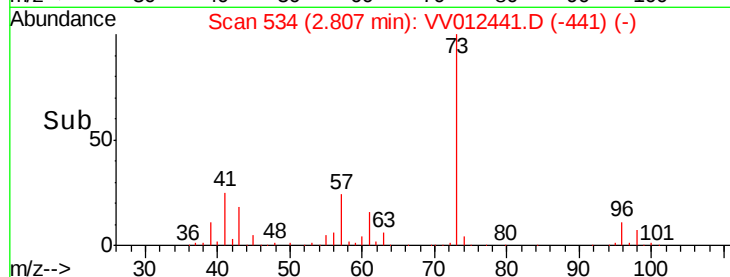
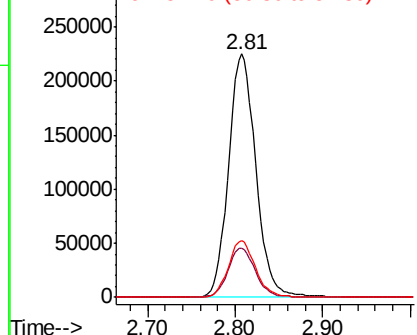
Methyl tert-butyl Ether
 Concen: 10.241 ug/L
 RT: 2.81 min Scan# 534
 Delta R.T. -0.00 min
 Lab File: VV012441.D
 Acq: 29 Aug 2019 19:40

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01032

Tgt Ion:	73	Resp:	487557
Ion	Ratio	Lower	Upper
73	100		
43	20.4	16.1	24.1
57	23.2	18.8	28.2



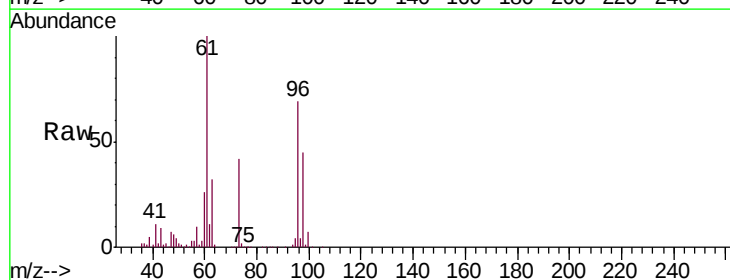
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



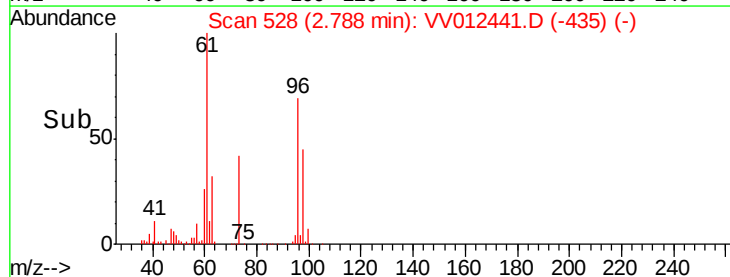
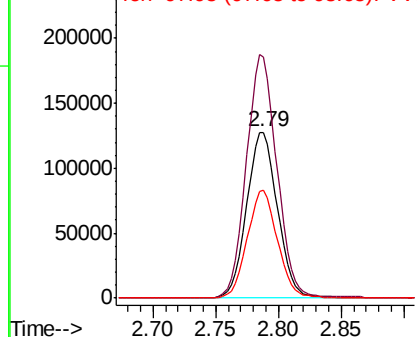
#18

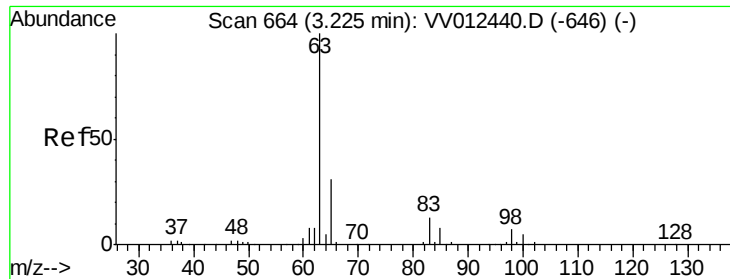
trans-1,2-Dichloroethene
 Concen: 9.988 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VV012441.D
 Acq: 29 Aug 2019 19:40

Tgt Ion:	96	Resp:	219180
Ion	Ratio	Lower	Upper
96	100		
61	145.2	101.2	188.0
98	65.1	44.1	81.9



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

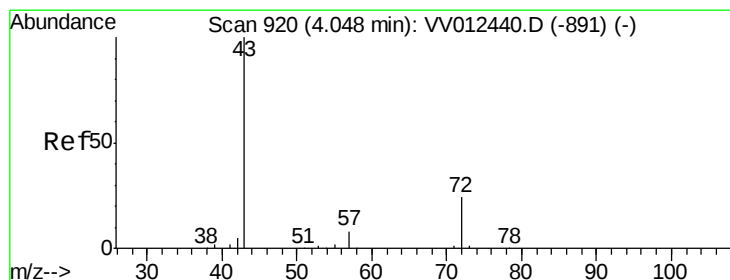
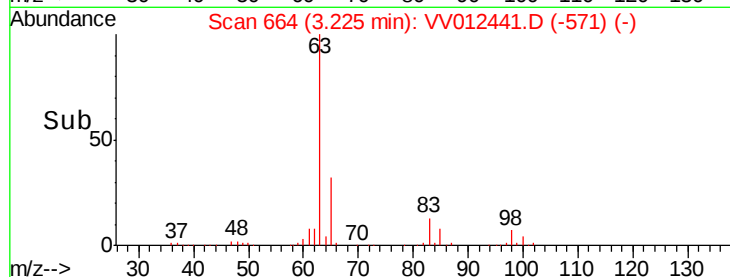
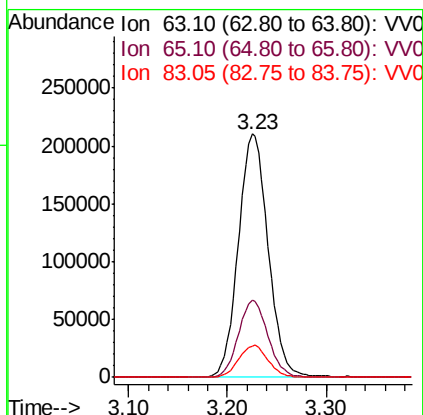
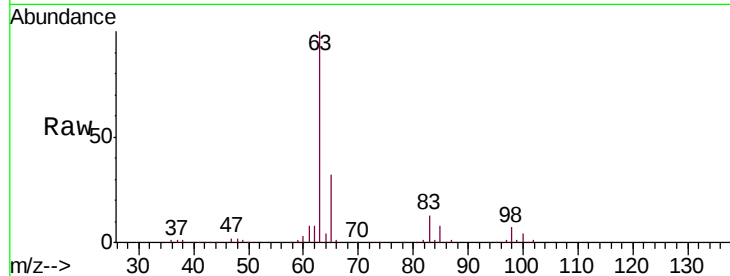




#19
 1,1-Dichloroethane
 Concen: 10.199 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV012441.D
 Acq: 29 Aug 2019 19:40

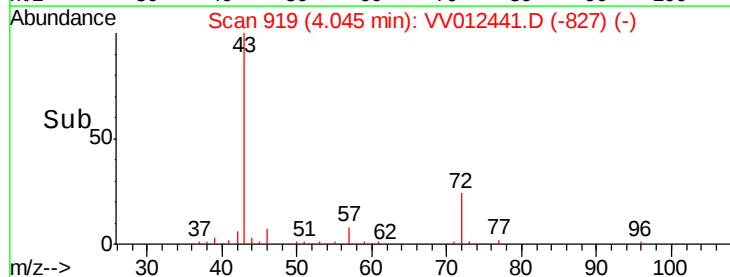
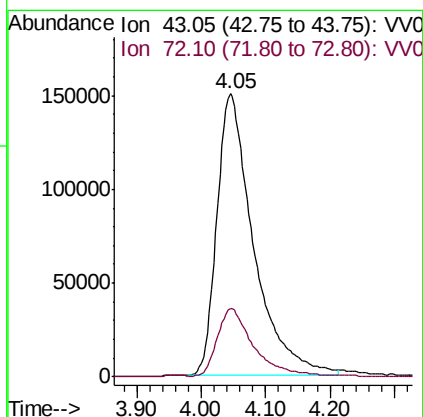
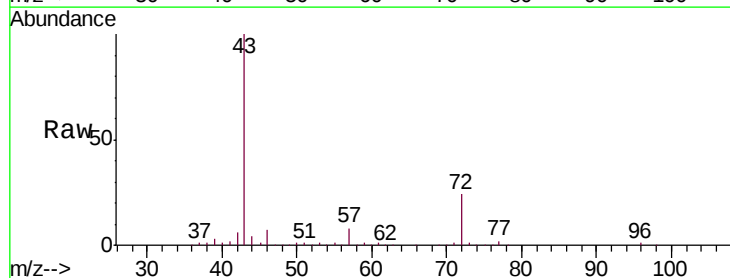
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD01032

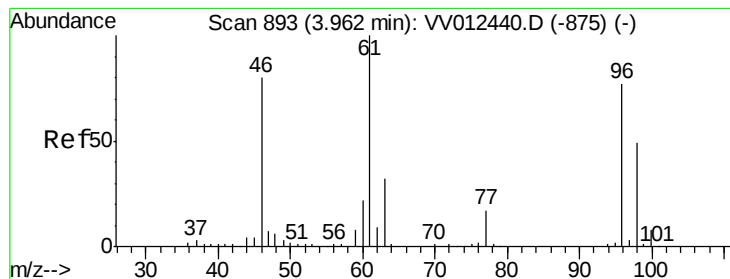
Tgt Ion: 63 Resp: 439567
 Ion Ratio Lower Upper
 63 100
 65 31.6 21.6 40.2
 83 13.0 9.0 16.8



#21
 2-Butanone
 Concen: 109.053 ug/L
 RT: 4.05 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VV012441.D
 Acq: 29 Aug 2019 19:40

Tgt Ion: 43 Resp: 593676
 Ion Ratio Lower Upper
 43 100
 72 23.6 11.8 35.3



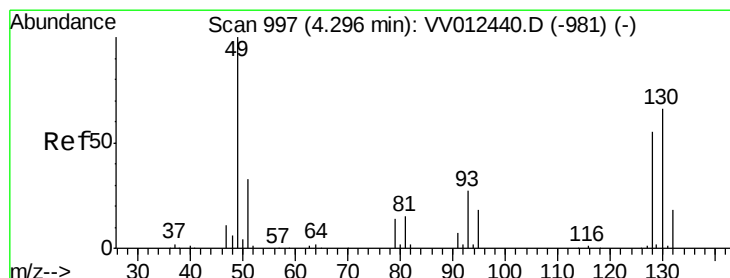
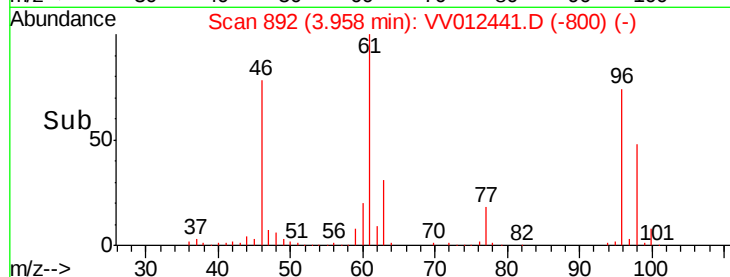
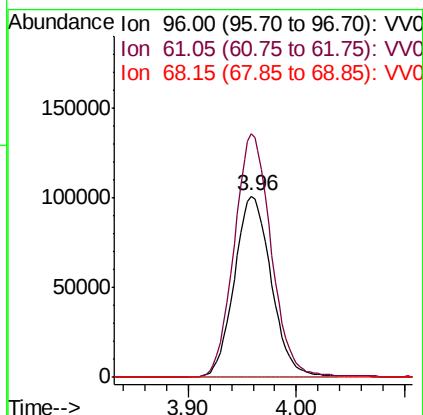
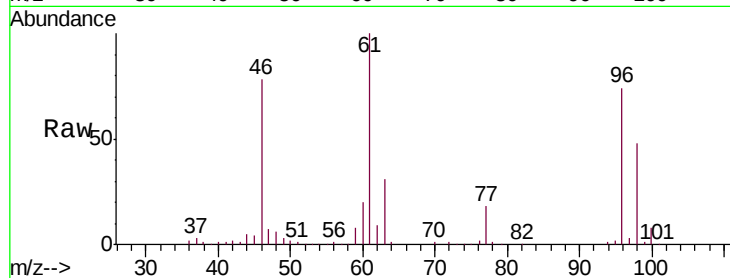


#22

cis-1,2-Dichloroethene
 Concen: 10.264 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV012441.D
 Acq: 29 Aug 2019 19:40

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01032

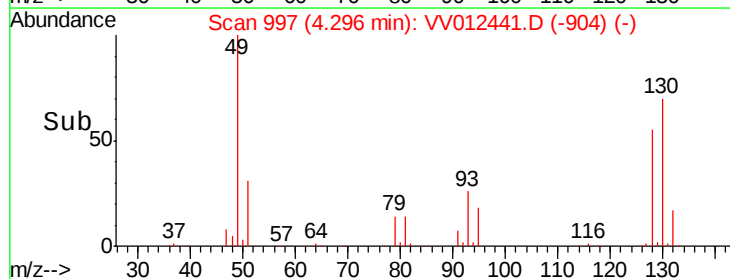
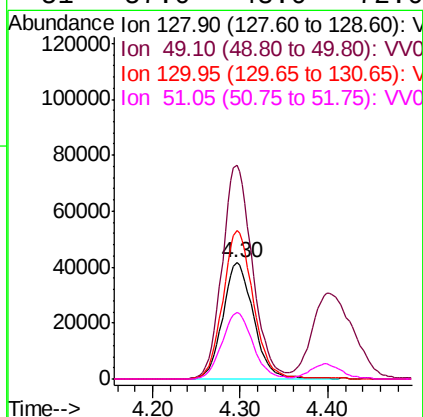
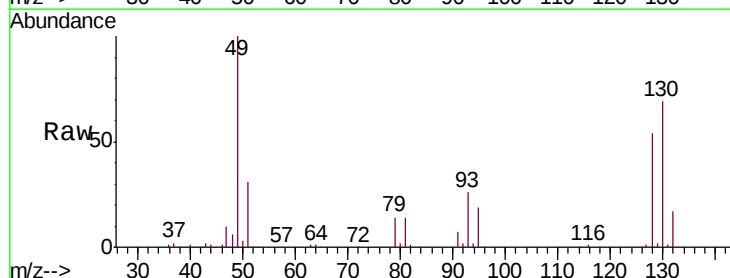
Tgt Ion: 96 Resp: 241290
 Ion Ratio Lower Upper
 96 100
 61 134.6 91.5 169.9
 68 0.0 0.0 0.0

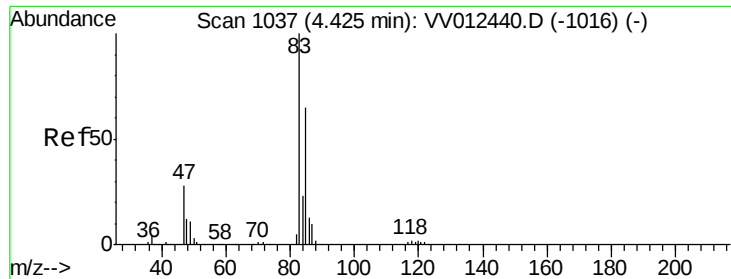


#23

Bromochloromethane
 Concen: 10.248 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: VV012441.D
 Acq: 29 Aug 2019 19:40

Tgt Ion: 128 Resp: 101822
 Ion Ratio Lower Upper
 128 100
 49 183.7 127.7 237.3
 130 127.6 84.1 156.1
 51 57.0 48.0 72.0





#25

Chloroform

Concen: 9.654 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VV012441.D

Acq: 29 Aug 2019 19:40

Instrument :

MSVOA_V

ClientSampleId :

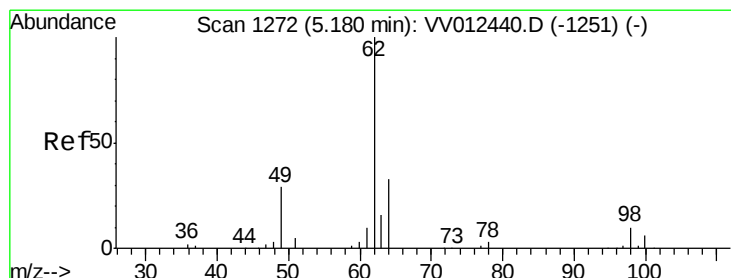
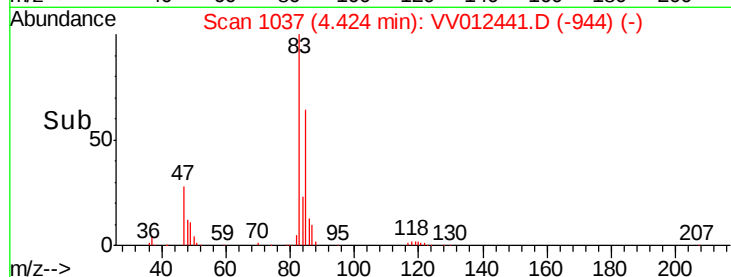
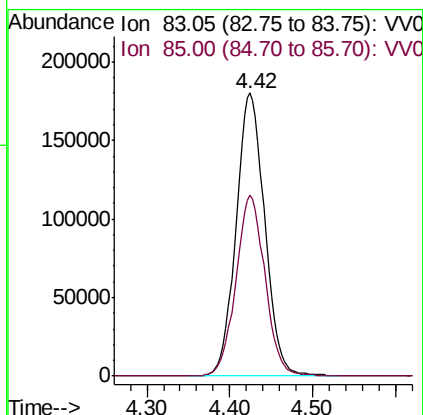
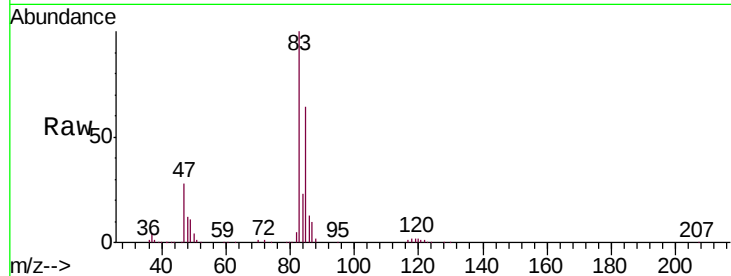
VSTD01032

Tgt Ion: 83 Resp: 433869

Ion Ratio Lower Upper

83 100

85 63.8 45.4 84.4



#27

1,2-Dichloroethane

Concen: 10.304 ug/L

RT: 5.18 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VV012441.D

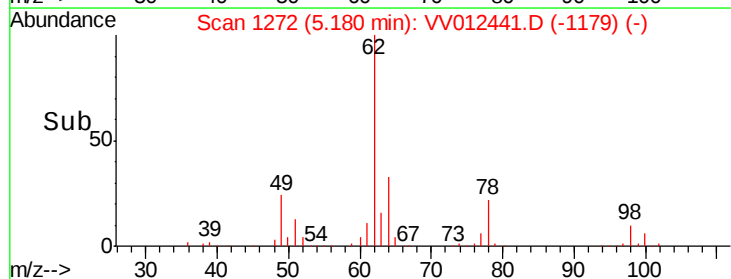
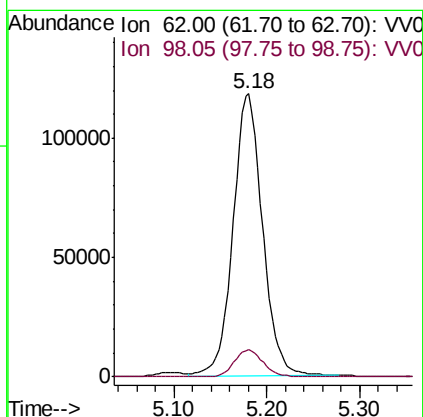
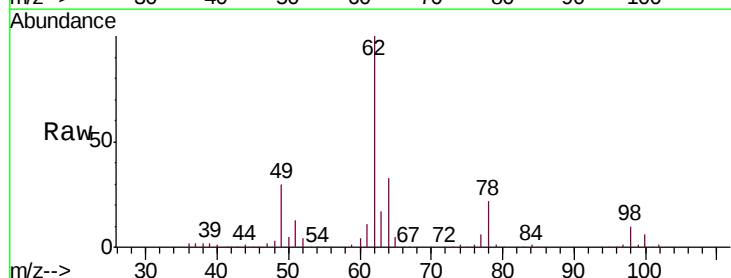
Acq: 29 Aug 2019 19:40

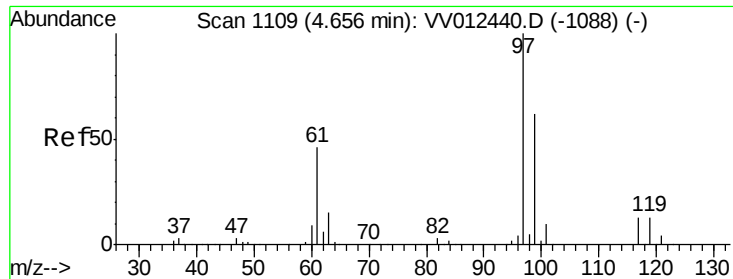
Tgt Ion: 62 Resp: 261142

Ion Ratio Lower Upper

62 100

98 9.6 8.3 12.5

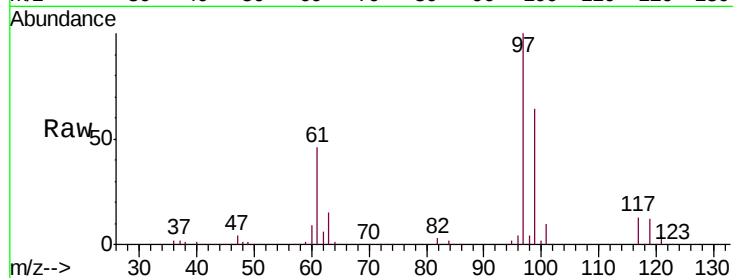




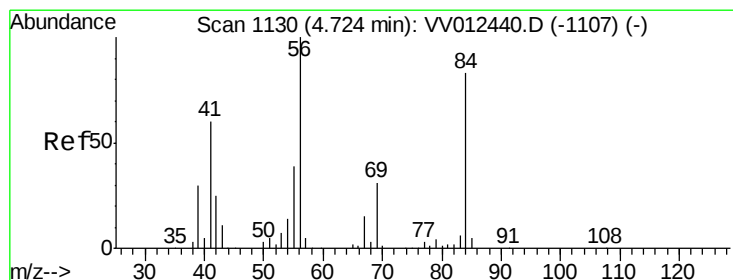
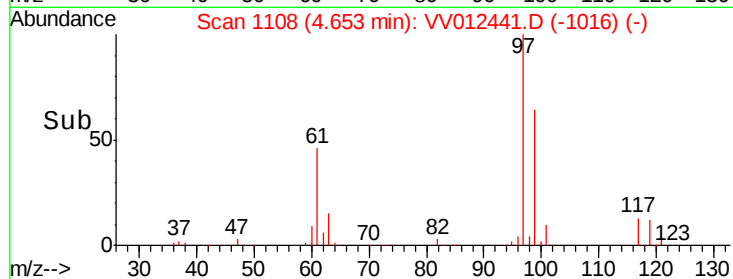
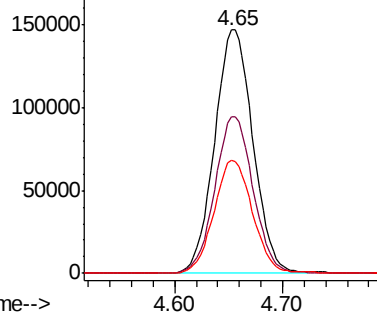
#29
 1,1,1-Trichloroethane
 Concen: 9.926 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: VV012441.D
 Acq: 29 Aug 2019 19:40

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01032

Tgt Ion: 97 Resp: 363367
 Ion Ratio Lower Upper
 97 100
 99 64.1 49.8 74.6
 61 46.7 36.7 55.1

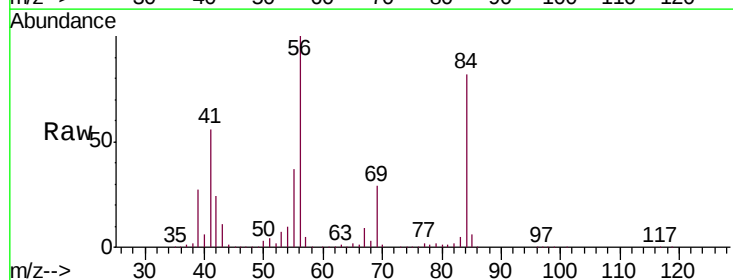


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

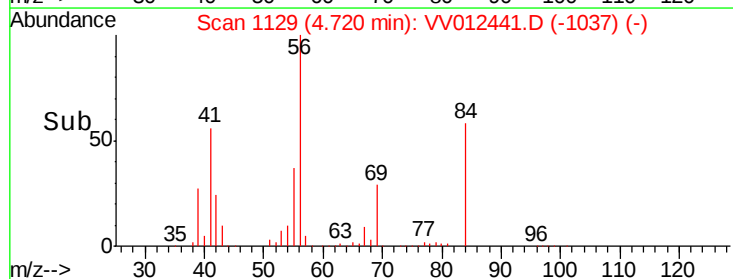
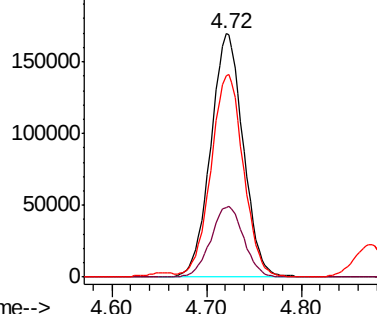


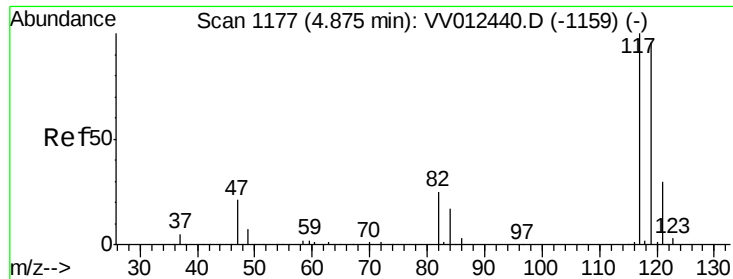
#30
 Cyclohexane
 Concen: 10.878 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. -0.00 min
 Lab File: VV012441.D
 Acq: 29 Aug 2019 19:40

Tgt Ion: 56 Resp: 404632
 Ion Ratio Lower Upper
 56 100
 69 29.1 24.4 36.6
 84 83.5 67.8 101.6



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: 10.106 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV012441.D

Acq: 29 Aug 2019 19:40

Instrument :

MSVOA_V

ClientSampleId :

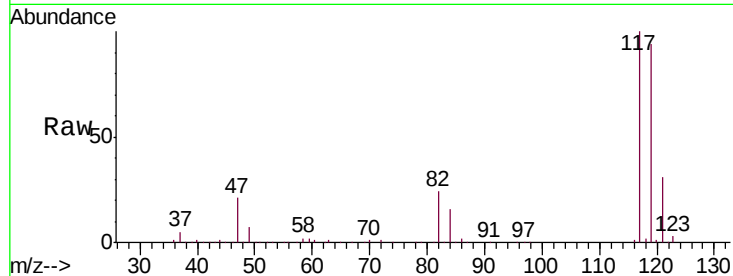
VSTD01032

Tgt Ion:117 Resp: 324938

Ion Ratio Lower Upper

117 100

119 95.2 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

150000

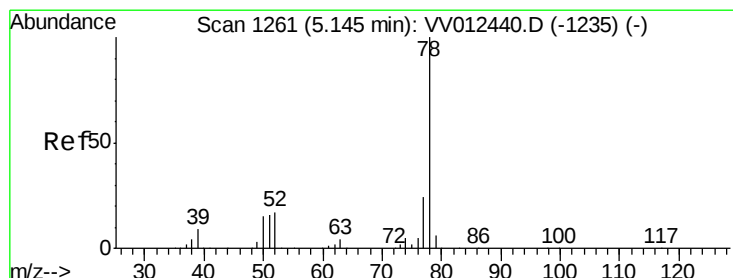
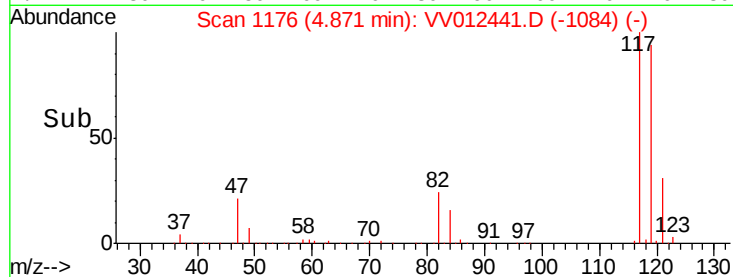
100000

50000

0

Time-->

4.80 4.90 5.00



#33

Benzene

Concen: 10.424 ug/L

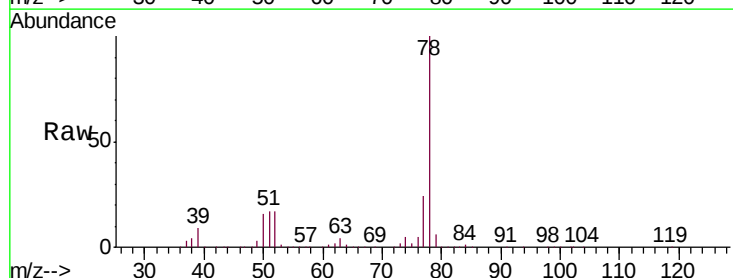
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VV012441.D

Acq: 29 Aug 2019 19:40

Tgt Ion: 78 Resp: 964896



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.14

500000

400000

300000

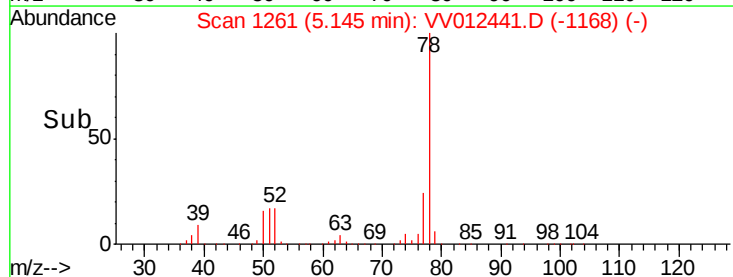
200000

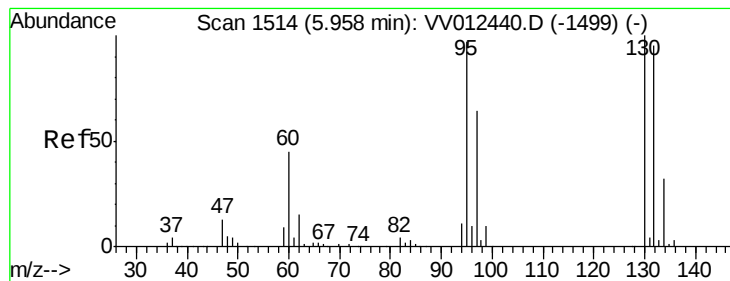
100000

0

Time-->

5.00 5.10 5.20





#34

Trichloroethene

Concen: 9.985 ug/L

RT: 5.95 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV012441.D

Acq: 29 Aug 2019 19:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD01032

Tgt Ion: 95 Resp: 239481

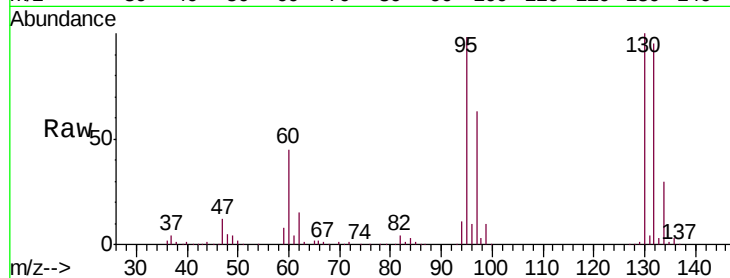
Ion Ratio Lower Upper

95 100

97 63.6 45.8 85.2

132 97.0 68.3 126.9

130 101.7 72.0 133.8

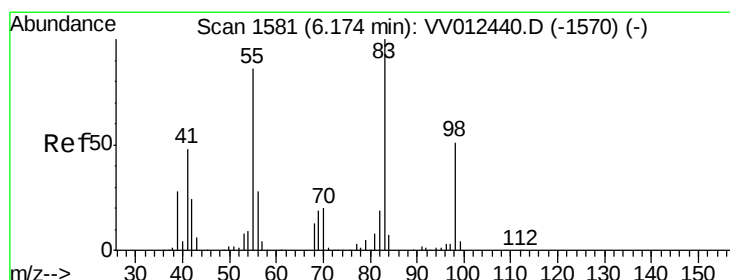
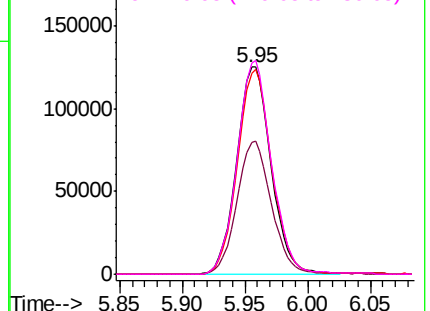
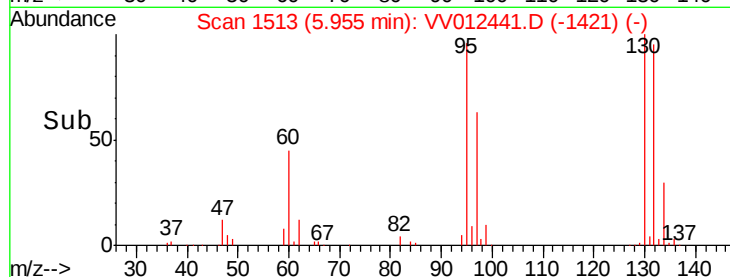


Abundance Ion 95.00 (94.70 to 95.70): VV012441.D (-1499) (-)

Ion 96.95 (96.65 to 97.65): VV012441.D (-1499) (-)

Ion 131.95 (131.65 to 132.65): VV012441.D (-1499) (-)

Ion 129.95 (129.65 to 130.65): VV012441.D (-1499) (-)



#35

Methylcyclohexane

Concen: 11.119 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV012441.D

Acq: 29 Aug 2019 19:40

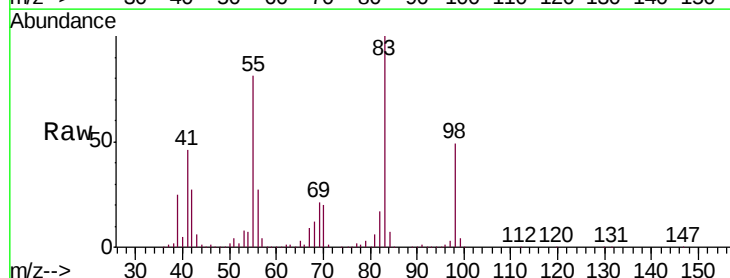
Tgt Ion: 83 Resp: 408589

Ion Ratio Lower Upper

83 100

55 80.3 67.8 101.6

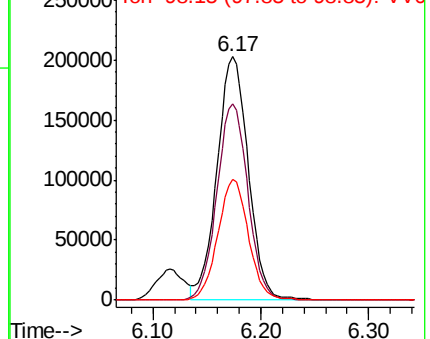
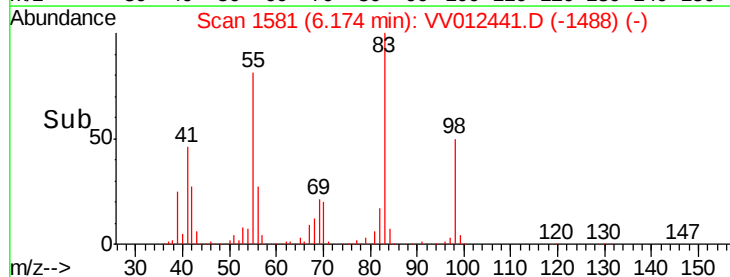
98 48.5 39.2 58.8

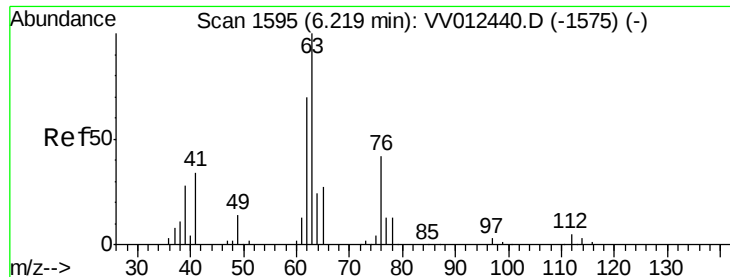


Abundance Ion 83.15 (82.85 to 83.85): VV012441.D (-1488) (-)

Ion 55.10 (54.80 to 55.80): VV012441.D (-1488) (-)

Ion 98.15 (97.85 to 98.85): VV012441.D (-1488) (-)

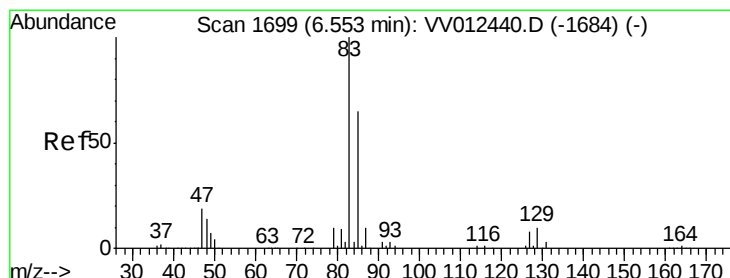
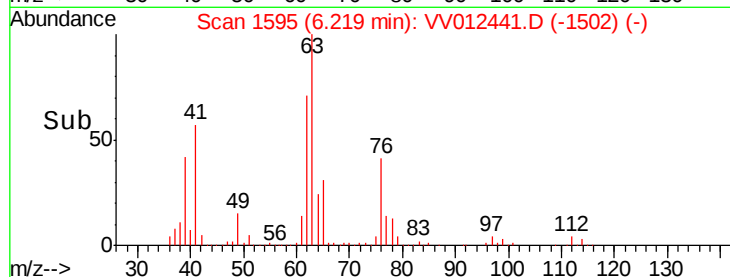
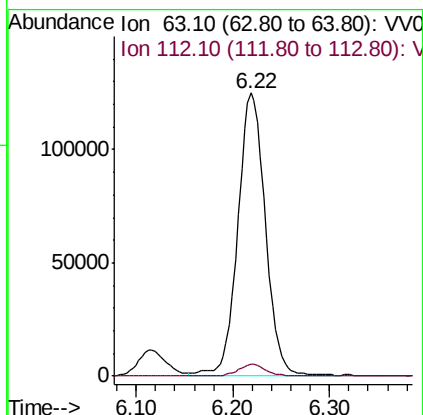
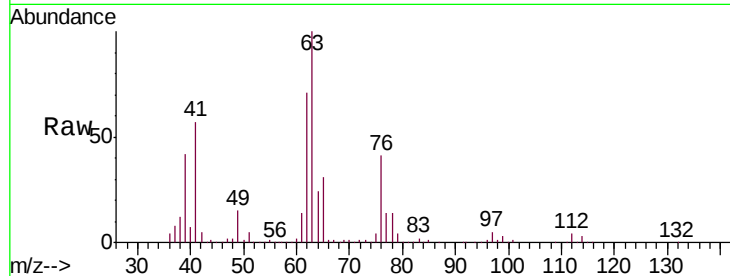




#37
 1,2-Dichloropropane
 Concen: 10.424 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV012441.D
 Acq: 29 Aug 2019 19:40

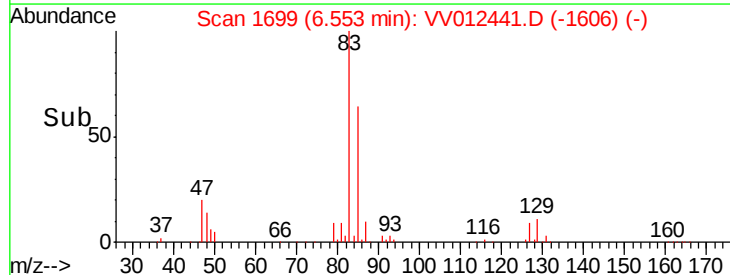
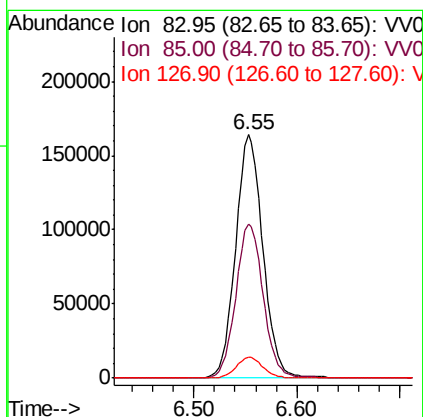
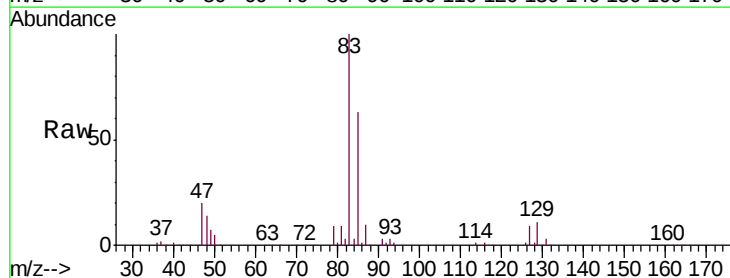
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01032

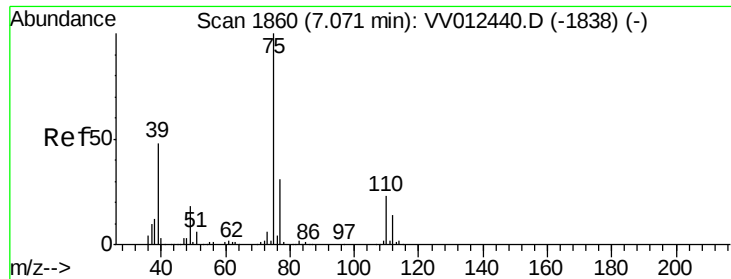
Tgt Ion: 63 Resp: 245921
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.7 5.5



#38
 Bromodichloromethane
 Concen: 9.967 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV012441.D
 Acq: 29 Aug 2019 19:40

Tgt Ion: 83 Resp: 302005
 Ion Ratio Lower Upper
 83 100
 85 63.5 45.4 84.4
 127 8.5 6.4 9.6



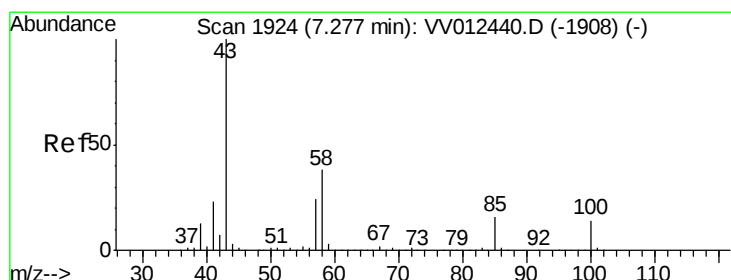
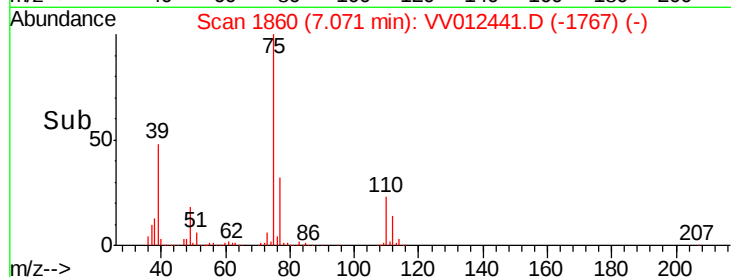
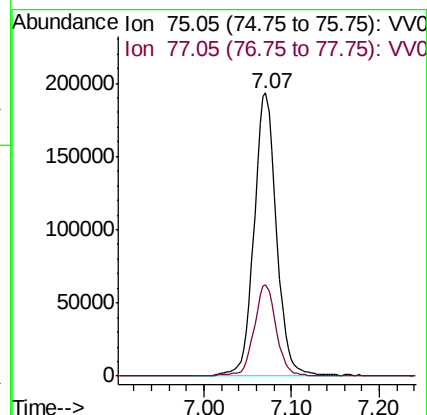
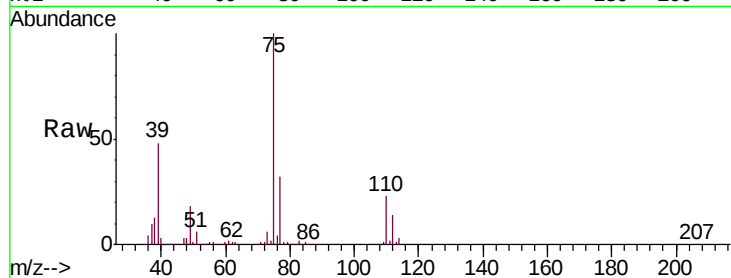


#39

cis-1,3-Dichloropropene
 Concen: 11.072 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV012441.D
 Acq: 29 Aug 2019 19:40

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01032

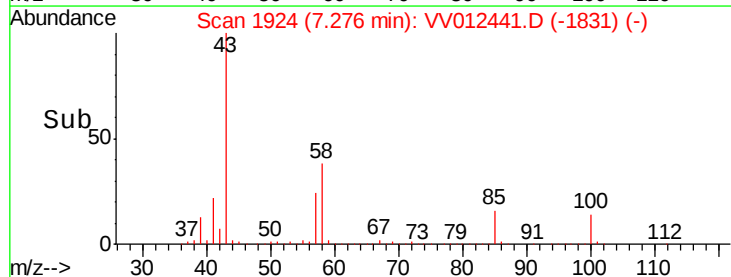
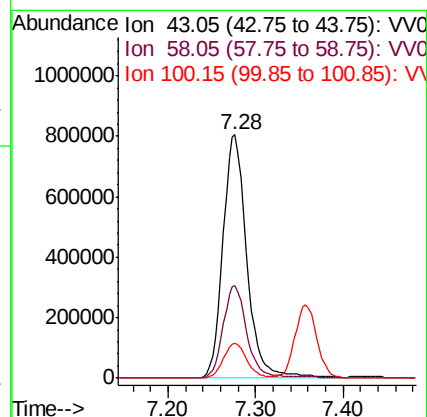
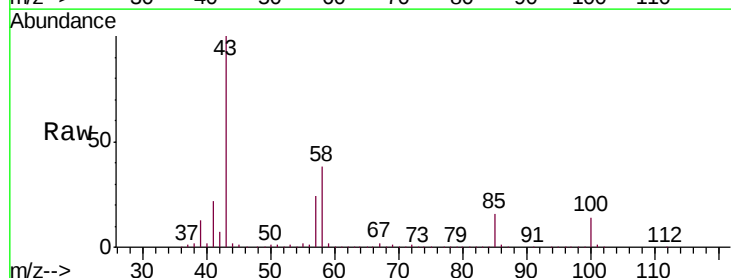
Tgt Ion: 75 Resp: 344906
 Ion Ratio Lower Upper
 75 100
 77 32.4 21.8 40.6

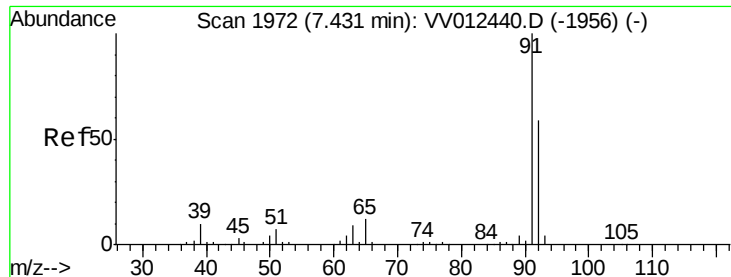


#40

4-Methyl-2-pentanone
 Concen: 113.489 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV012441.D
 Acq: 29 Aug 2019 19:40

Tgt Ion: 43 Resp: 1526559
 Ion Ratio Lower Upper
 43 100
 58 37.6 29.7 44.5
 100 13.9 10.8 16.2





#42

Toluene

Concen: 10.828 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV012441.D

Acq: 29 Aug 2019 19:40

Instrument :

MSVOA_V

ClientSampleId :

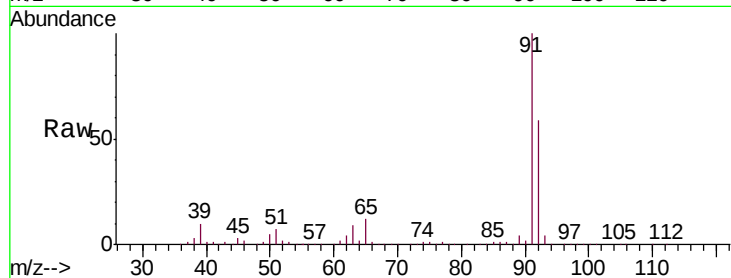
VSTD01032

Tgt Ion: 91 Resp: 1030801

Ion Ratio Lower Upper

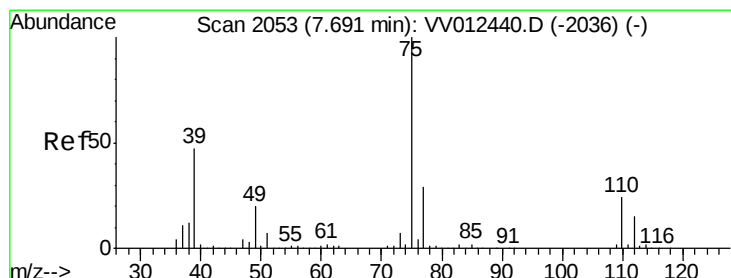
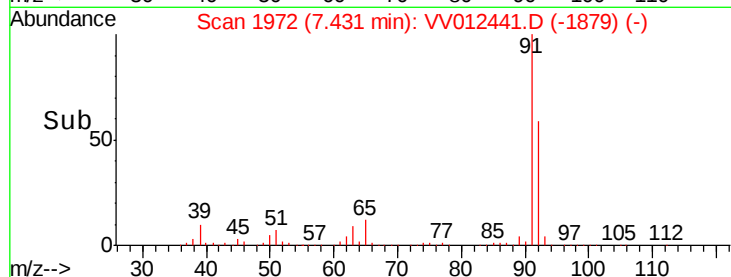
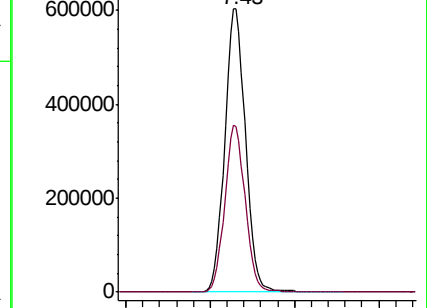
91 100

92 58.7 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 10.801 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV012441.D

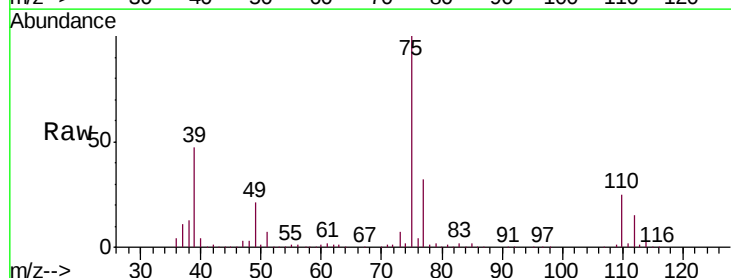
Acq: 29 Aug 2019 19:40

Tgt Ion: 75 Resp: 262128

Ion Ratio Lower Upper

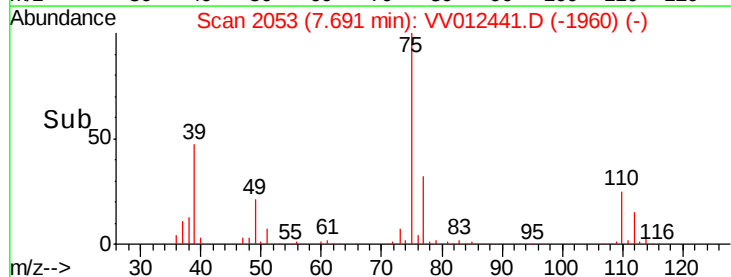
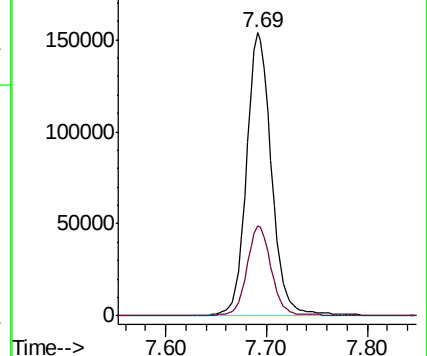
75 100

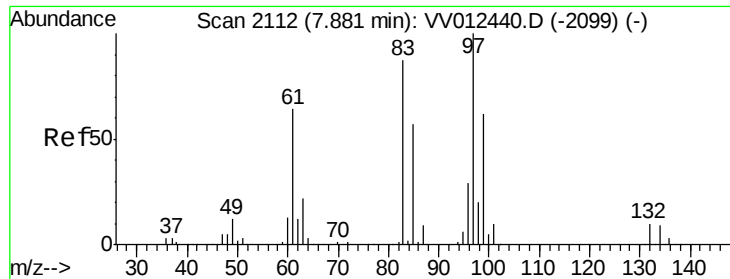
77 32.0 20.6 38.4



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#45

1,1,2-Trichloroethane

Concen: 10.170 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VV012441.D

Acq: 29 Aug 2019 19:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD01032

Tgt Ion: 97 Resp: 160613

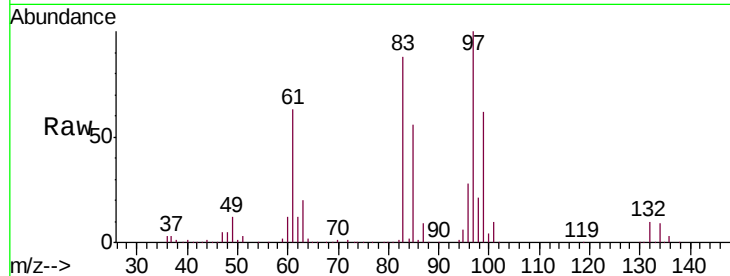
Ion Ratio Lower Upper

97 100

99 61.8 43.3 80.3

83 88.1 61.2 113.6

85 55.6 40.0 74.4

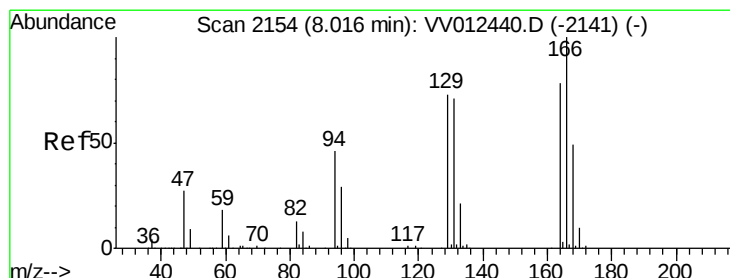
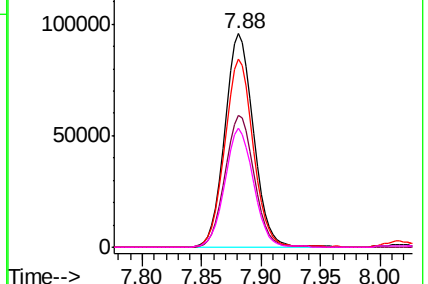
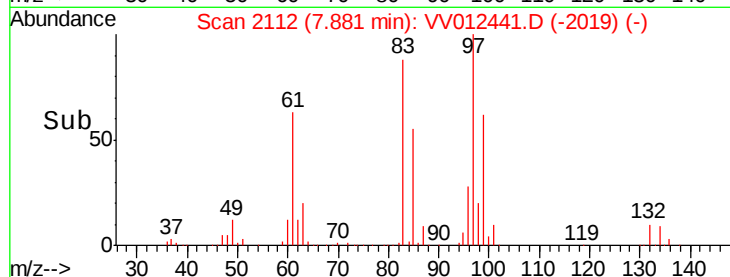


Abundance Ion 96.95 (96.65 to 97.65): VV012441.D (-2019) (-)

Ion 99.05 (98.75 to 99.75): VV012441.D (-2019) (-)

Ion 82.95 (82.65 to 83.65): VV012441.D (-2019) (-)

Ion 85.00 (84.70 to 85.70): VV012441.D (-2019) (-)



#47

Tetrachloroethene

Concen: 10.053 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV012441.D

Acq: 29 Aug 2019 19:40

Tgt Ion: 164 Resp: 196372

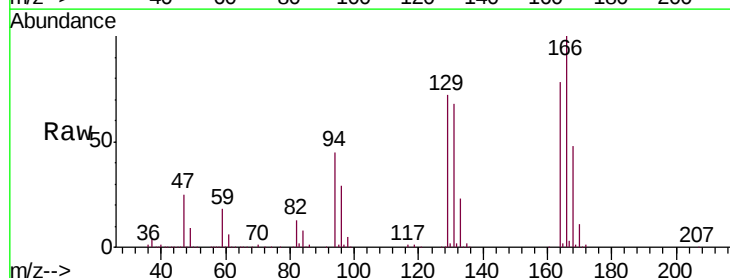
Ion Ratio Lower Upper

164 100

129 92.5 65.6 121.8

131 87.0 63.3 117.5

166 128.6 89.4 166.0

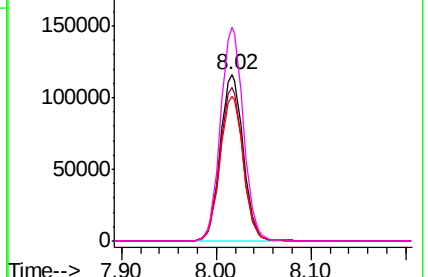
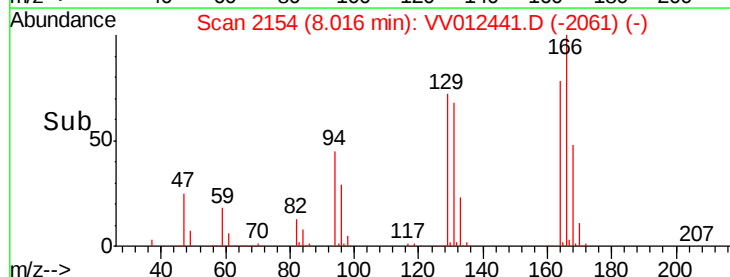


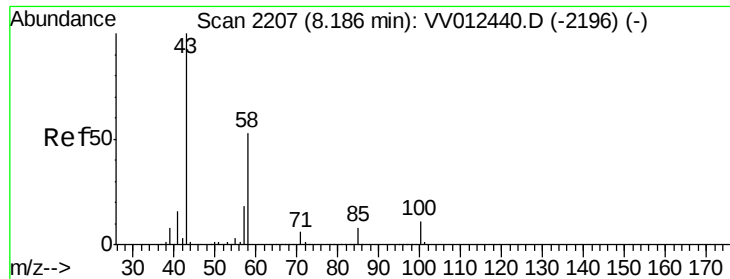
Abundance Ion 163.90 (163.60 to 164.60): VV012441.D (-2061) (-)

Ion 128.95 (128.65 to 129.65): VV012441.D (-2061) (-)

Ion 130.95 (130.65 to 131.65): VV012441.D (-2061) (-)

Ion 165.90 (165.60 to 166.60): VV012441.D (-2061) (-)

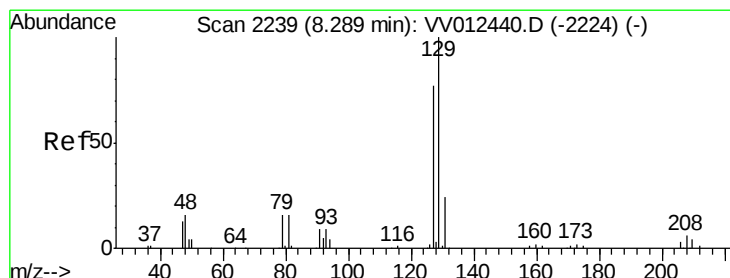
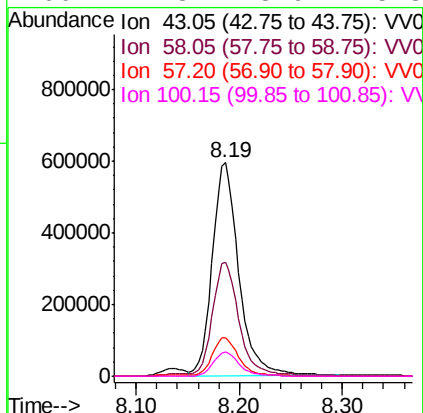
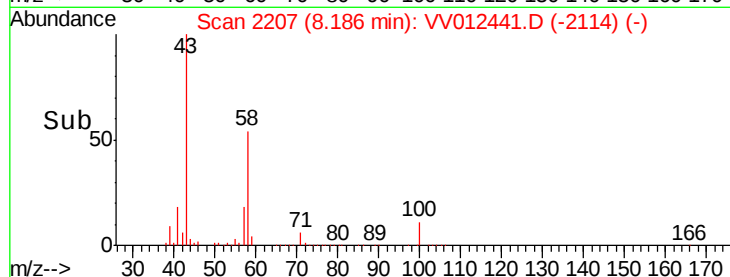
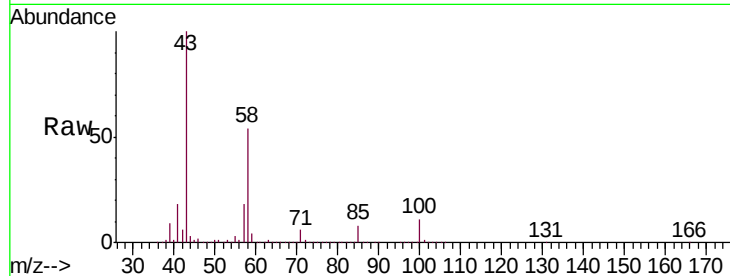




#48
2-Hexanone
Concen: 114.097 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV012441.D
Acq: 29 Aug 2019 19:40

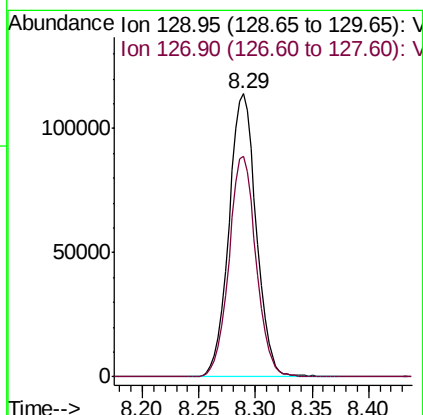
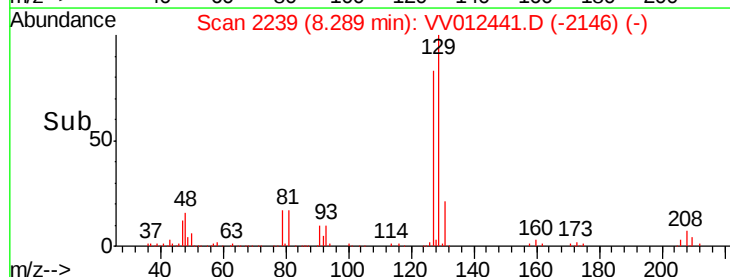
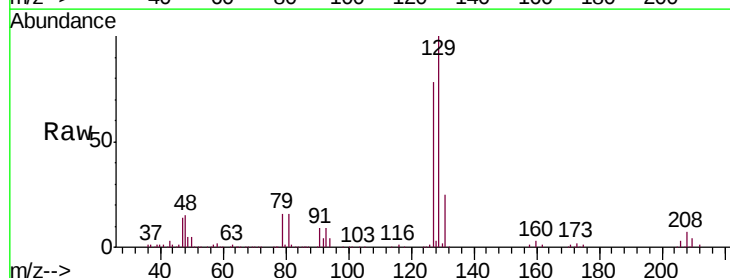
Instrument :
MSVOA_V
ClientSampleId :
VSTD01032

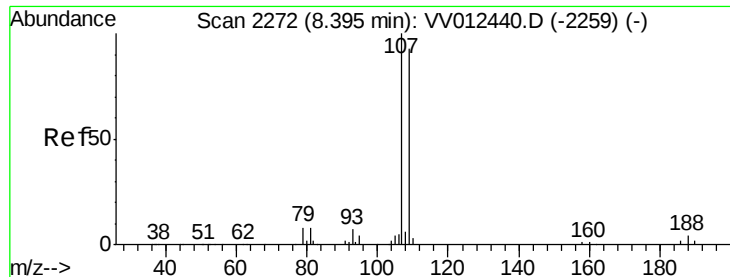
Tgt Ion: 43 Resp: 1057176
Ion Ratio Lower Upper
43 100
58 54.2 43.6 65.4
57 18.1 14.2 21.2
100 11.3 8.9 13.3



#49
Dibromochloromethane
Concen: 10.250 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV012441.D
Acq: 29 Aug 2019 19:40

Tgt Ion: 129 Resp: 191798
Ion Ratio Lower Upper
129 100
127 78.2 53.6 99.6

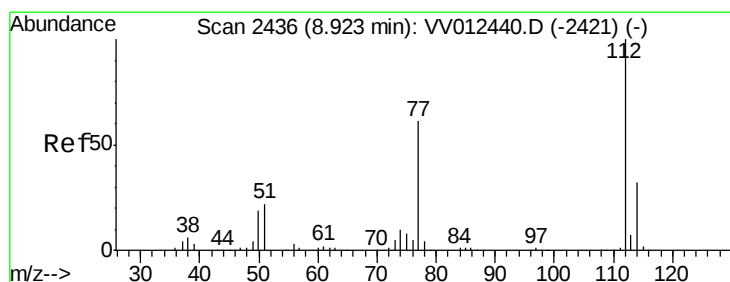
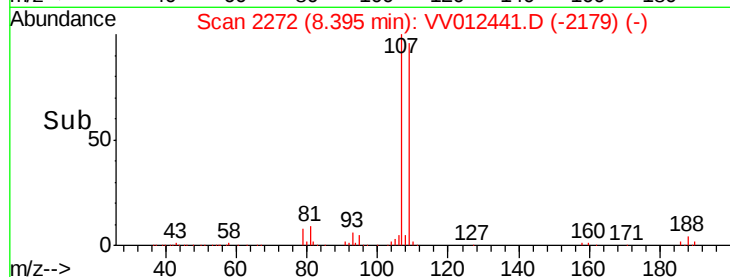
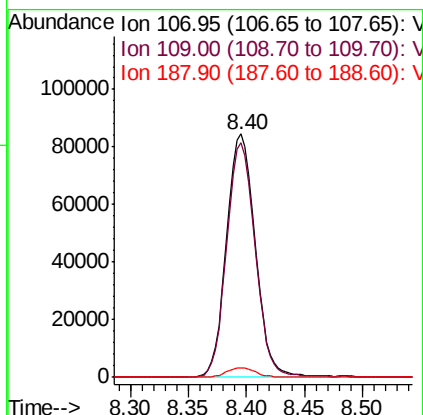
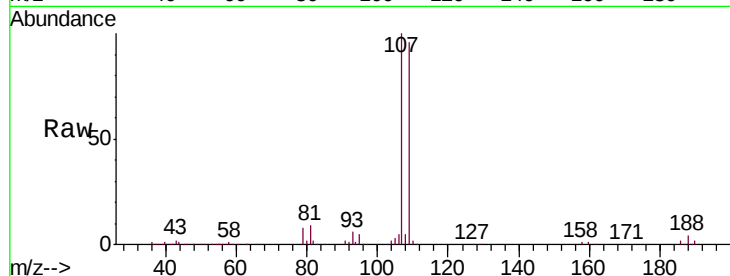




#50
 1,2-Dibromoethane
 Concen: 10.183 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VV012441.D
 Acq: 29 Aug 2019 19:40

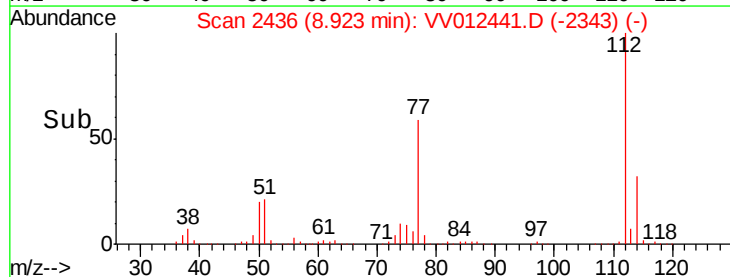
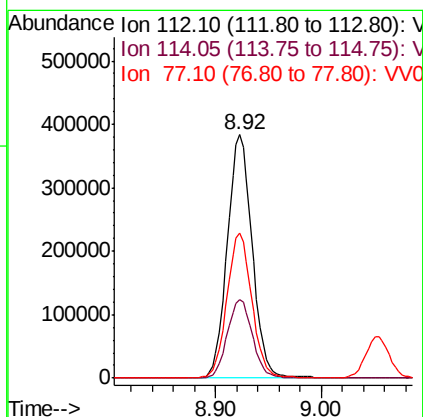
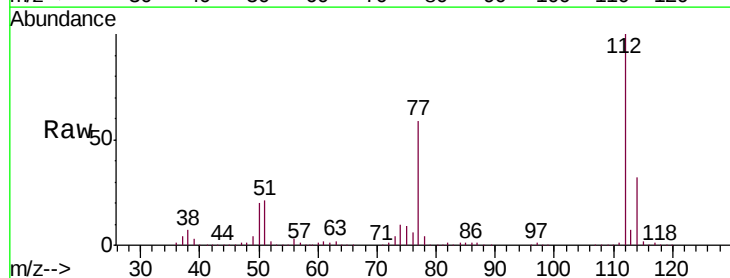
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD01032

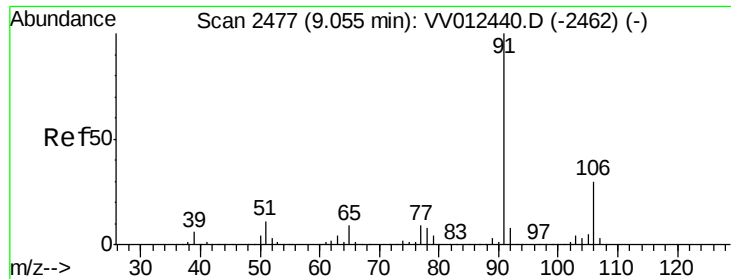
Tgt Ion:107 Resp: 145514
 Ion Ratio Lower Upper
 107 100
 109 96.1 65.0 120.8
 188 4.1 2.8 4.2



#51
 Chlorobenzene
 Concen: 10.263 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: VV012441.D
 Acq: 29 Aug 2019 19:40

Tgt Ion:112 Resp: 625235
 Ion Ratio Lower Upper
 112 100
 114 32.4 22.7 42.3
 77 59.4 49.0 73.6





#52

Ethylbenzene

Concen: 11.024 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV012441.D

Acq: 29 Aug 2019 19:40

Instrument :

MSVOA_V

ClientSampleId :

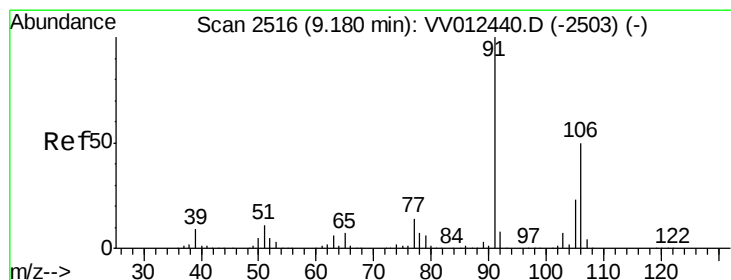
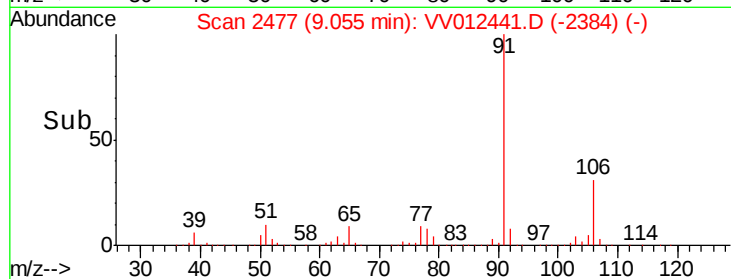
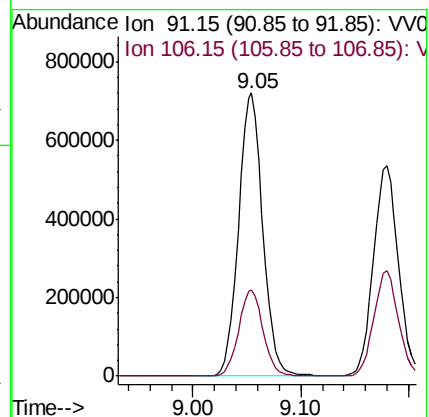
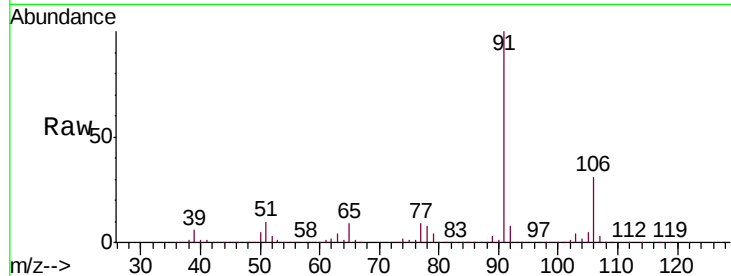
VSTD01032

Tgt Ion: 91 Resp: 1127245

Ion Ratio Lower Upper

91 100

106 30.6 21.1 39.3



#53

m,p-xylene

Concen: 11.122 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV012441.D

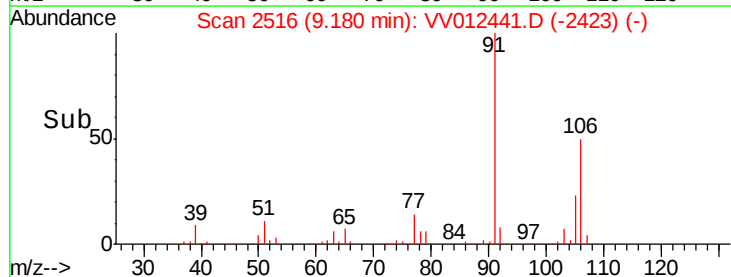
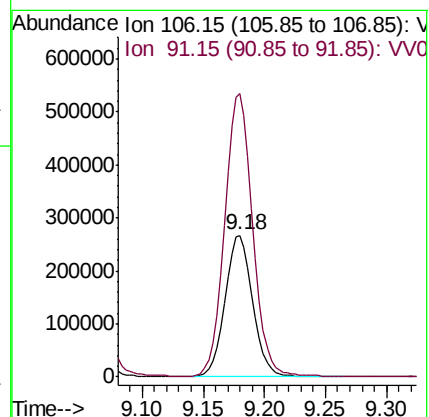
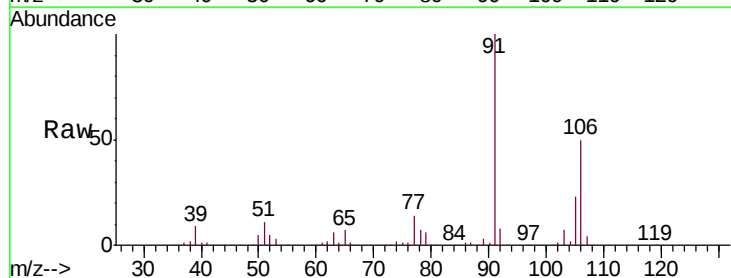
Acq: 29 Aug 2019 19:40

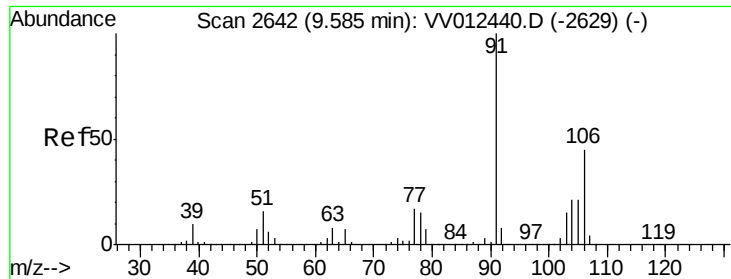
Tgt Ion: 106 Resp: 423647

Ion Ratio Lower Upper

106 100

91 199.5 141.3 262.3





#54

o-xylene

Concen: 11.190 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV012441.D

Acq: 29 Aug 2019 19:40

Instrument :

MSVOA_V

ClientSampleId :

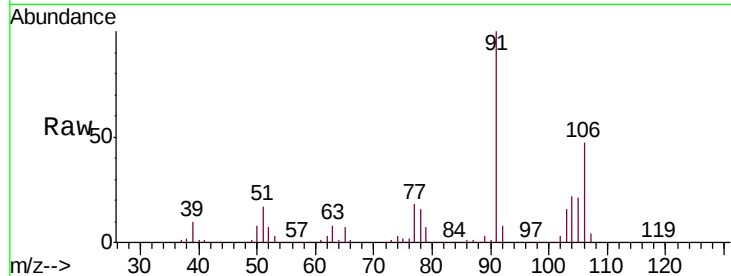
VSTD01032

Tgt Ion:106 Resp: 409032

Ion Ratio Lower Upper

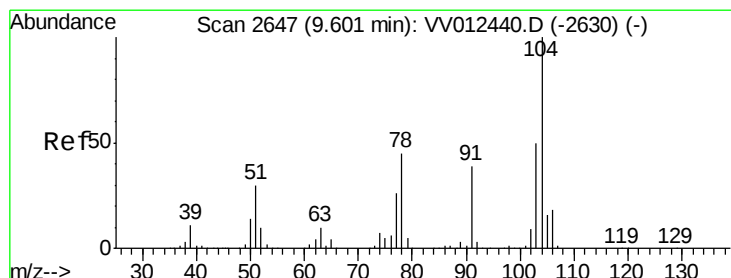
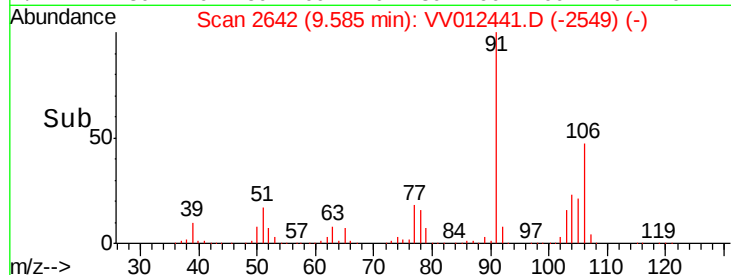
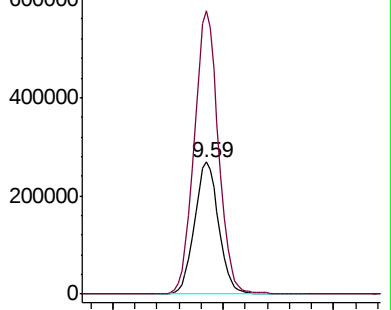
106 100

91 214.4 155.6 289.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 11.433 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. -0.00 min

Lab File: VV012441.D

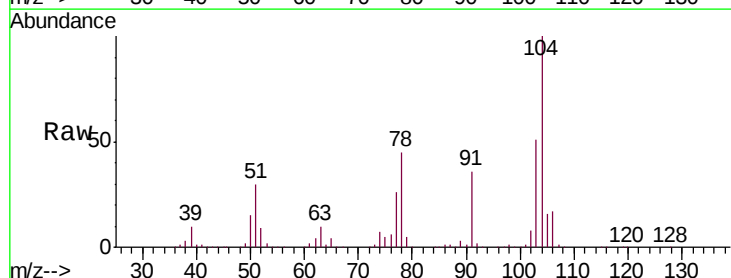
Acq: 29 Aug 2019 19:40

Tgt Ion:104 Resp: 702897

Ion Ratio Lower Upper

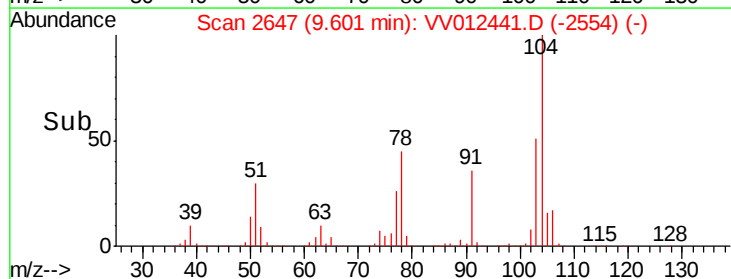
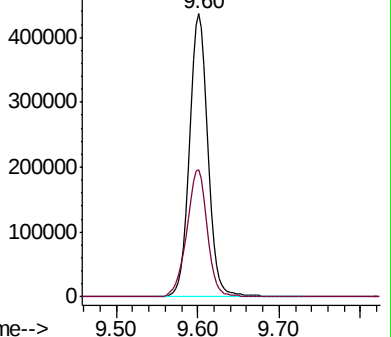
104 100

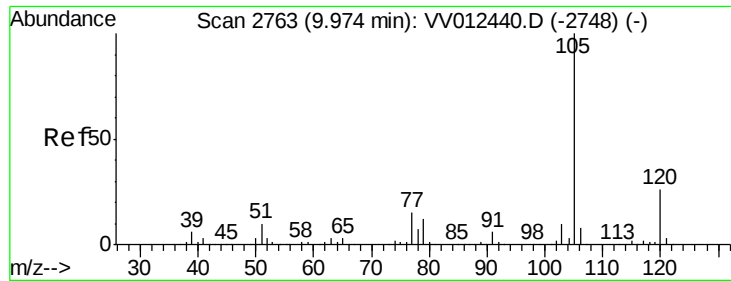
78 45.2 31.8 59.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 11.289 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV012441.D

Acq: 29 Aug 2019 19:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD01032

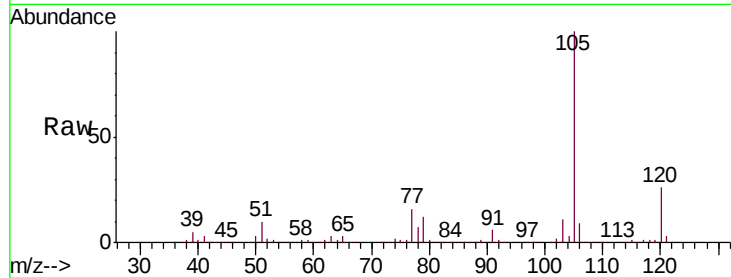
Tgt Ion:105 Resp: 1099238

Ion Ratio Lower Upper

105 100

120 26.2 20.6 31.0

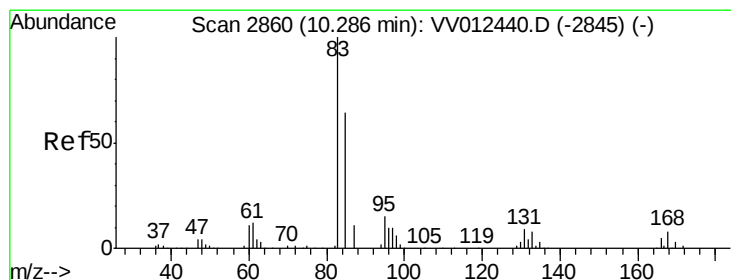
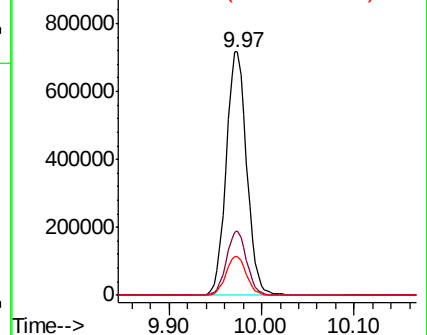
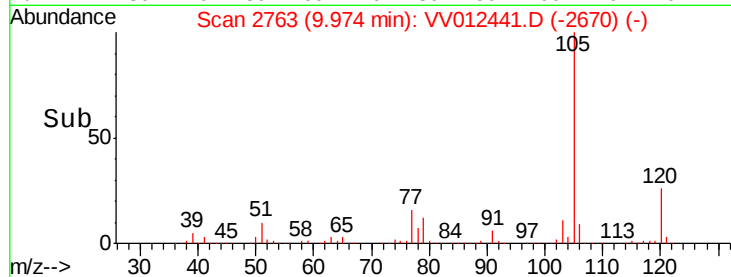
77 16.2 12.7 19.1



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: 10.167 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV012441.D

Acq: 29 Aug 2019 19:40

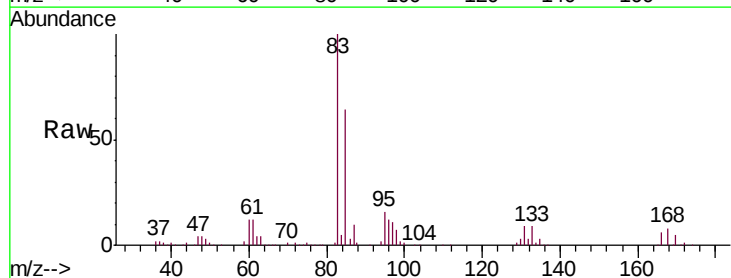
Tgt Ion: 83 Resp: 191334

Ion Ratio Lower Upper

83 100

85 63.9 45.0 83.6

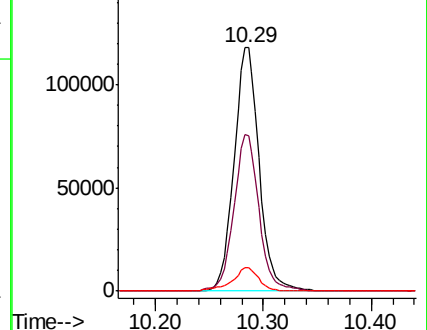
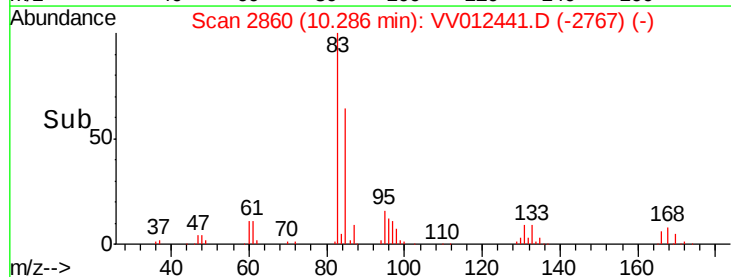
131 9.5 7.4 11.2

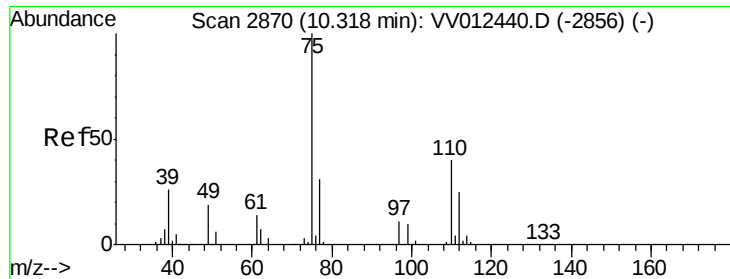


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 10.143 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VV012441.D

Acq: 29 Aug 2019 19:40

Instrument :

MSVOA_V

ClientSampleId :

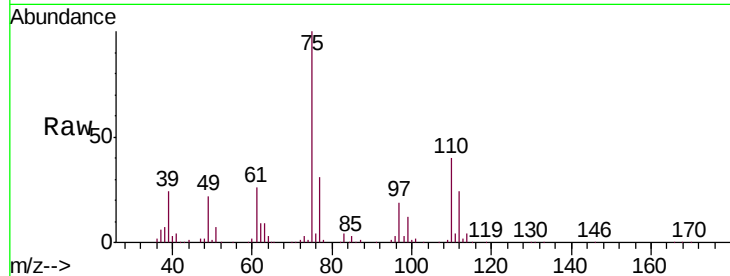
VSTD01032

Tgt Ion: 75 Resp: 136072

Ion Ratio Lower Upper

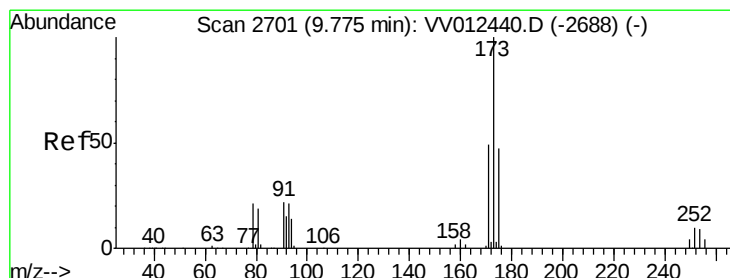
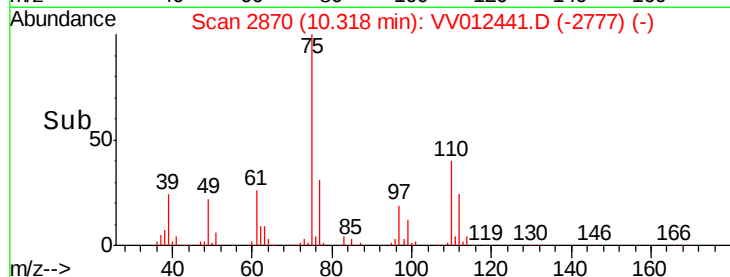
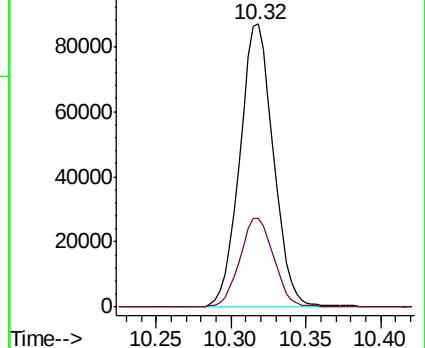
75 100

77 31.6 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VV012441.D (-2777) (-)

Ion 77.00 (76.70 to 77.70): VV012441.D (-2777) (-)



#61

Bromoform

Concen: 9.716 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV012441.D

Acq: 29 Aug 2019 19:40

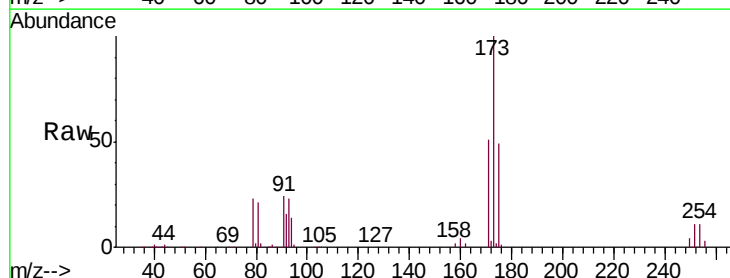
Tgt Ion: 173 Resp: 103873

Ion Ratio Lower Upper

173 100

175 48.8 39.0 58.6

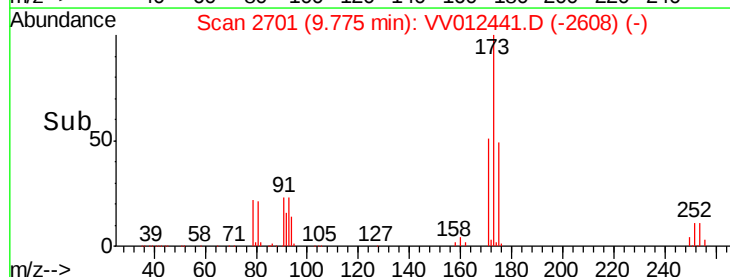
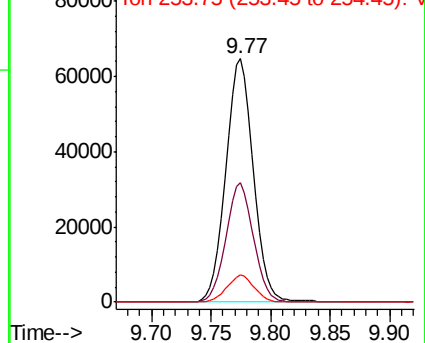
254 11.0 8.4 12.6

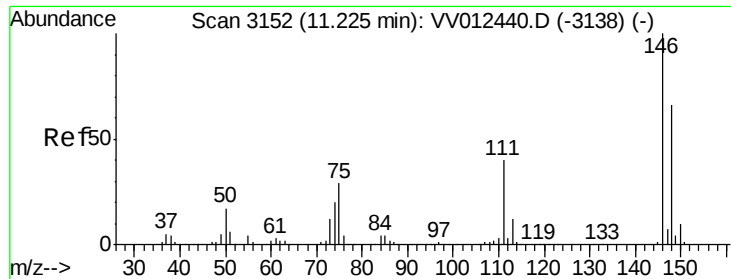


Abundance Ion 172.90 (172.60 to 173.60): VV012441.D (-2608) (-)

Ion 174.90 (174.60 to 175.60): VV012441.D (-2608) (-)

Ion 253.75 (253.45 to 254.45): VV012441.D (-2608) (-)





#62

1,3-Dichlorobenzene

Concen: 10.238 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. -0.00 min

Lab File: VV012441.D

Acq: 29 Aug 2019 19:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD01032

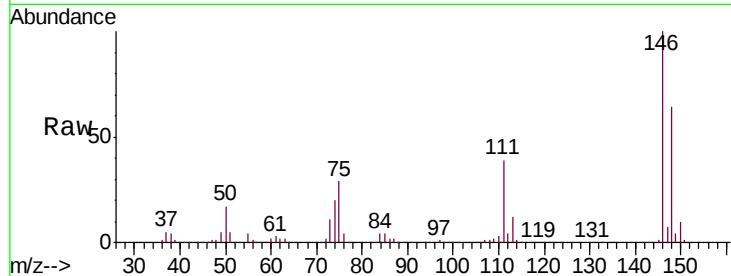
Tgt Ion:146 Resp: 493825

Ion Ratio Lower Upper

146 100

111 39.0 27.6 51.4

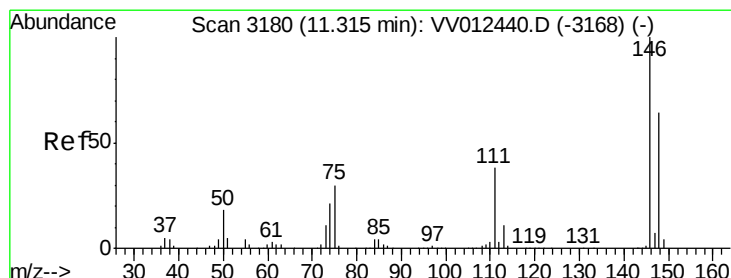
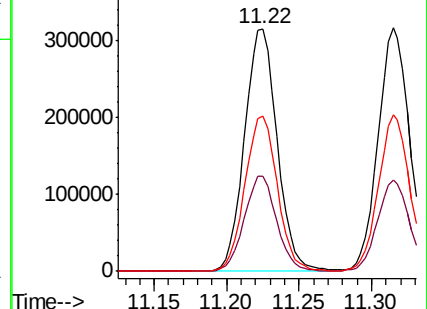
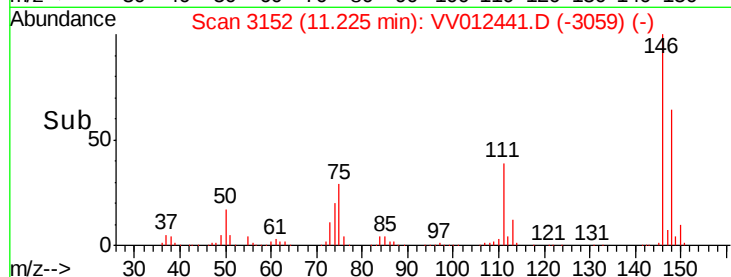
148 64.0 45.8 85.2



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



#63

1,4-Dichlorobenzene

Concen: 10.093 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV012441.D

Acq: 29 Aug 2019 19:40

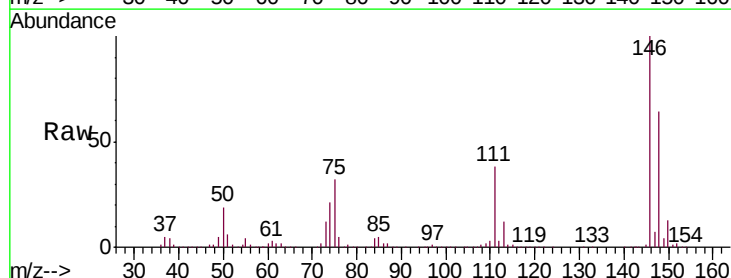
Tgt Ion:146 Resp: 487244

Ion Ratio Lower Upper

146 100

111 37.5 26.8 49.8

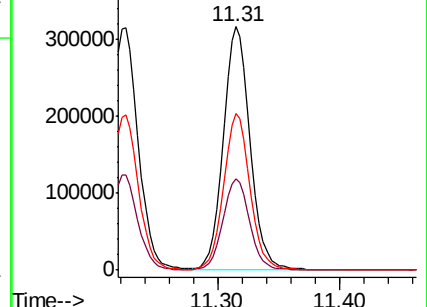
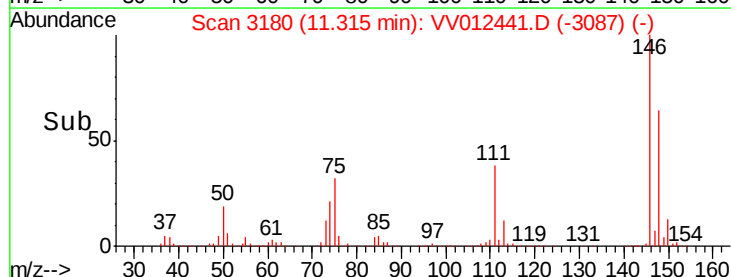
148 64.1 44.5 82.7

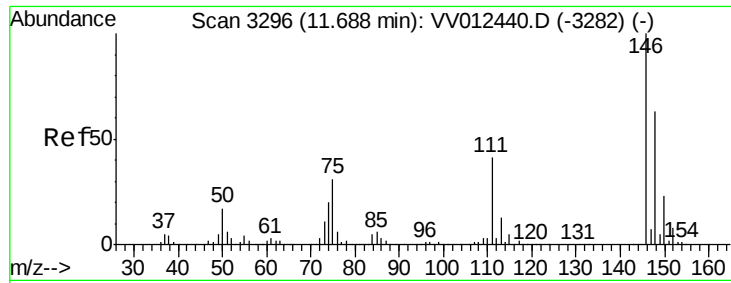


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 10.193 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV012441.D

Acq: 29 Aug 2019 19:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD01032

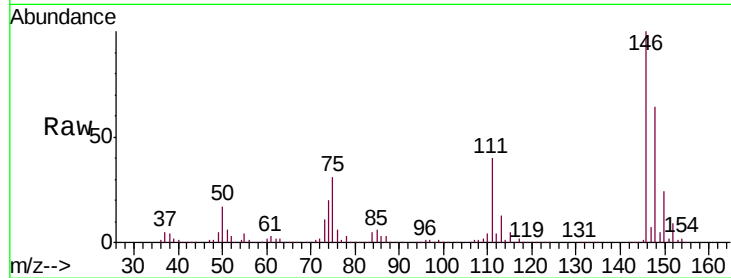
Tgt Ion:146 Resp: 459409

Ion Ratio Lower Upper

146 100

111 40.3 32.5 48.7

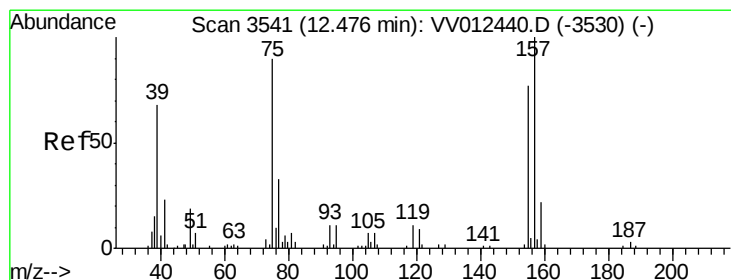
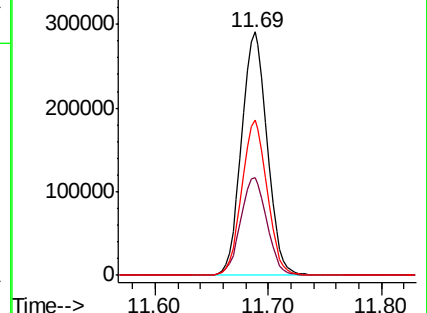
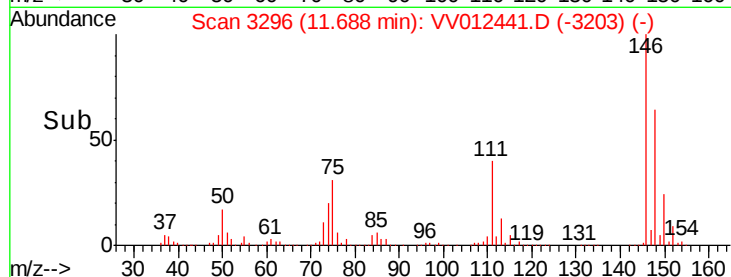
148 63.7 50.2 75.4



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: 9.135 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. -0.00 min

Lab File: VV012441.D

Acq: 29 Aug 2019 19:40

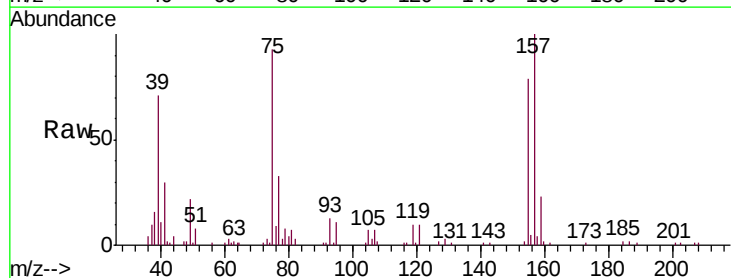
Tgt Ion: 75 Resp: 28695

Ion Ratio Lower Upper

75 100

155 84.4 68.6 102.8

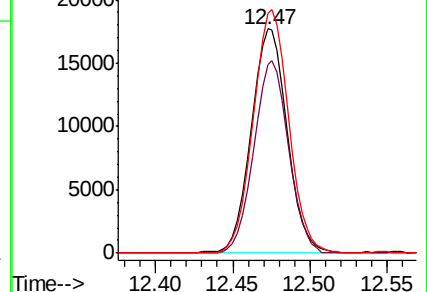
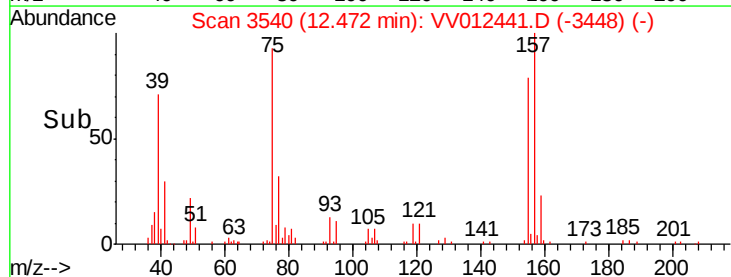
157 107.1 88.6 133.0

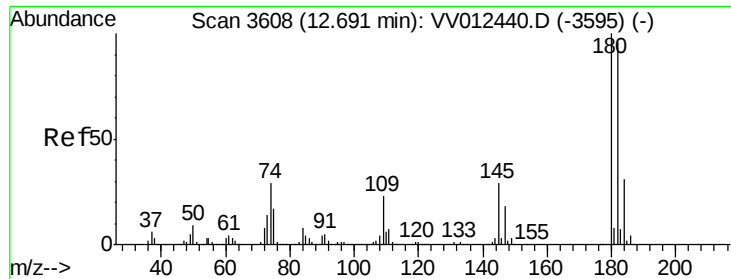


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

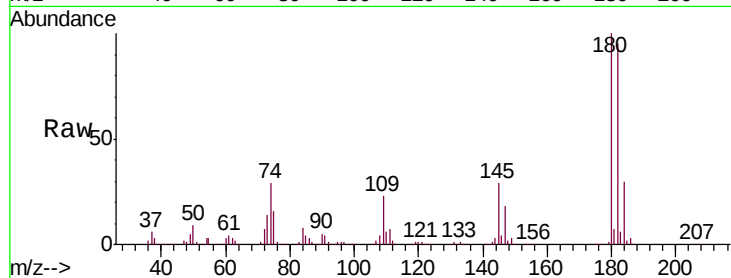




#67
 1,3,5-Trichlorobenzene
 Concen: 10.256 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV012441.D
 Acq: 29 Aug 2019 19:40

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01032

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.6	115.0
184	30.2	24.8	37.2
145	28.9	22.8	34.2



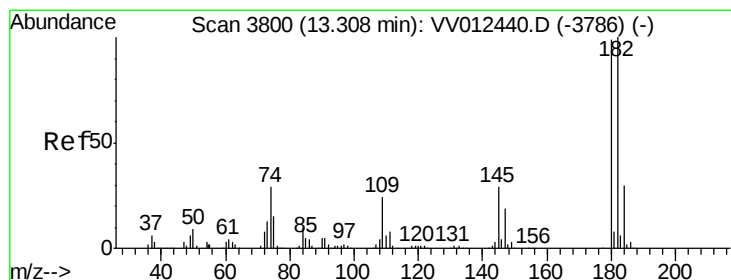
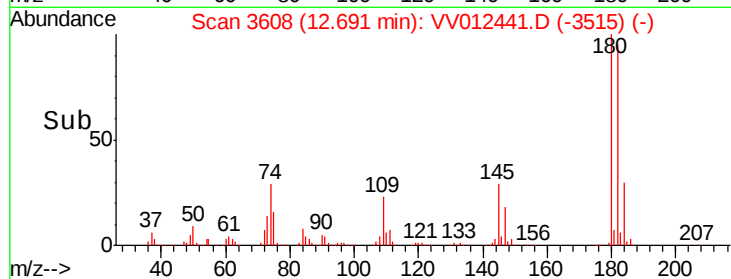
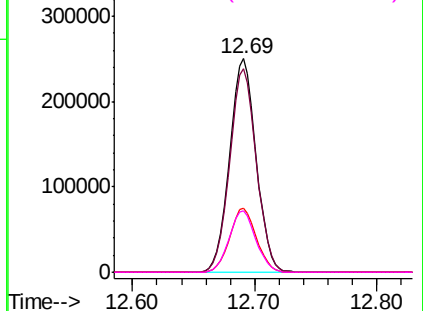
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

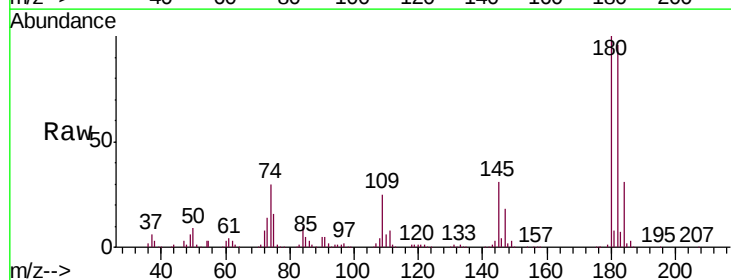
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 10.308 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV012441.D
 Acq: 29 Aug 2019 19:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	78.1	117.1
145	29.5	23.4	35.0

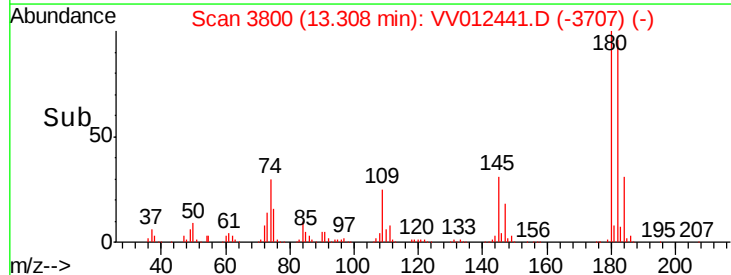
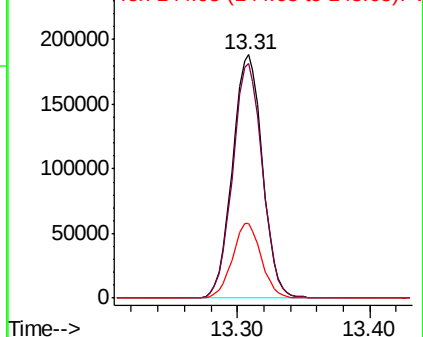


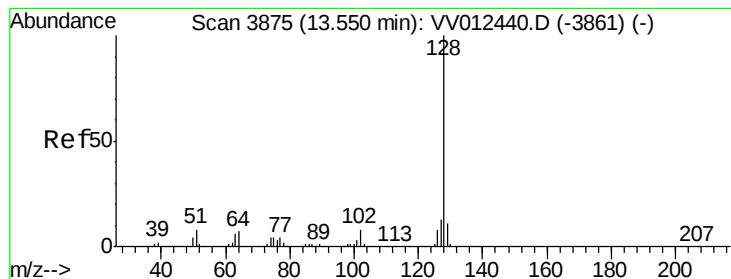
Abundance

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: 10.792 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV012441.D

Acq: 29 Aug 2019 19:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD01032

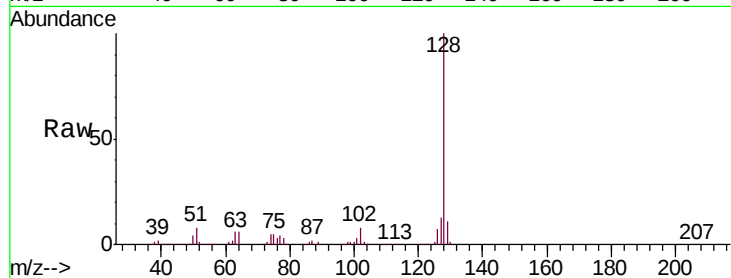
Tgt Ion:128 Resp: 474562

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

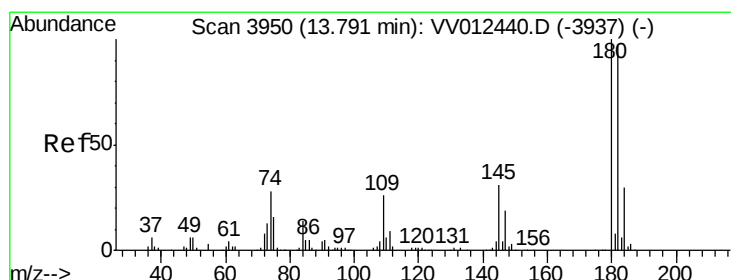
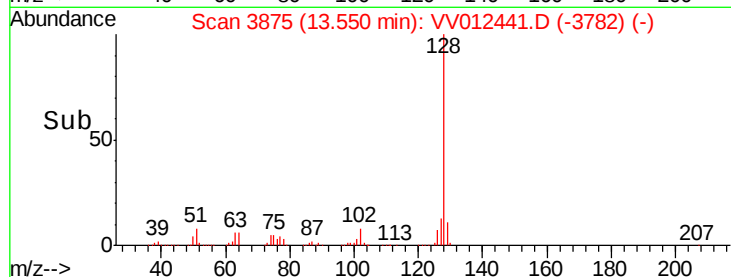
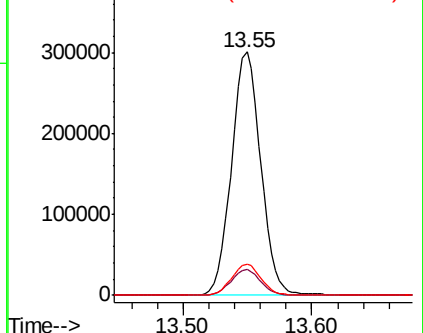
127 13.1 10.7 16.1



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: 10.397 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV012441.D

Acq: 29 Aug 2019 19:40

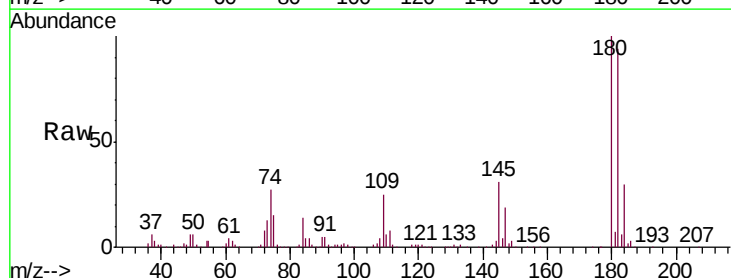
Tgt Ion:180 Resp: 286538

Ion Ratio Lower Upper

180 100

182 94.6 77.5 116.3

145 30.8 25.0 37.6



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

