

Data File : VV011443.D
Acq On : 13 Jun 2019 02:52
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00550

Quant Time: Jun 13 03:48:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jun 13 02:32:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	122415	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	113102	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	48723	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	44273	4.77	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.40%
7) Chloroethane-d5	1.58	69	33202	4.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.20%
11) 1,1-Dichloroethene-d2	2.12	63	92278	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.60%
20) 2-Butanone-d5	3.97	46	126216	60.44	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.88%
24) Chloroform-d	4.40	84	93002	5.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.00%
26) 1,2-Dichloroethane-d4	5.08	65	50339	5.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.00%
32) Benzene-d6	5.09	84	168979	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
36) 1,2-Dichloropropane-d6	6.12	67	52640	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.00%
41) Toluene-d8	7.36	98	149281	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
43) trans-1,3-Dichloropropene-	7.66	79	15934	4.01	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.20%
46) 2-Hexanone-d5	8.14	63	95751	57.05	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.10%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	38817	5.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	48163	5.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	53378	4.421	ug/L 100
3) Chloromethane	1.25	50	60139	5.152	ug/L 98
5) Vinyl chloride	1.32	62	57372	5.094	ug/L 85
6) Bromomethane	1.53	94	33790	5.767	ug/L 95
8) Chloroethane	1.60	64	34727	4.825	ug/L 99
9) Trichlorofluoromethane	1.76	101	79069	5.114	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	40865	5.150	ug/L 98
12) 1,1-Dichloroethene	2.13	96	37499	4.862	ug/L 92
13) Acetone	2.22	43	85047	60.740	ug/L 100
14) Carbon disulfide	2.31	76	93290	3.987	ug/L 99
15) Methyl Acetate	2.47	43	22769	6.123	ug/L 93
16) Methylene chloride	2.53	84	45334	5.705	ug/L 98
17) Methyl tert-butyl Ether	2.81	73	112391	5.459	ug/L 98
18) trans-1,2-Dichloroethene	2.78	96	42302	4.899	ug/L 97
19) 1,1-Dichloroethane	3.22	63	89513	5.255	ug/L 98
21) 2-Butanone	4.05	43	126017	58.442	ug/L 96
22) cis-1,2-Dichloroethene	3.96	96	47433	4.960	ug/L 96

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Instrument :
MSVOA_V
ClientSampleId :
VSTD00550

Quant Time: Jun 13 03:48:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jun 13 02:32:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	19612	5.350	ug/L	84
25) Chloroform	4.42	83	89734	5.101	ug/L	98
27) 1,2-Dichloroethane	5.18	62	61708	5.740	ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	68171	4.726	ug/L	98
30) Cyclohexane	4.71	56	67213	4.202	ug/L	98
31) Carbon tetrachloride	4.87	117	52458	4.351	ug/L	100
33) Benzene	5.14	78	181891	5.054	ug/L	100
34) Trichloroethene	5.95	95	44603	4.797	ug/L	97
35) Methylcyclohexane	6.17	83	66269	4.310	ug/L	98
37) 1,2-Dichloropropane	6.22	63	45040	5.028	ug/L	99
38) Bromodichloromethane	6.55	83	53136	4.798	ug/L	95
39) cis-1,3-Dichloropropene	7.07	75	54279	4.142	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	325853	57.126	ug/L	98
42) Toluene	7.43	91	184852	4.819	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	42621	4.278	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	30780	5.368	ug/L	96
47) Tetrachloroethene	8.02	164	31441	4.679	ug/L	98
48) 2-Hexanone	8.19	43	225833	56.768	ug/L	96
49) Dibromochloromethane	8.29	129	30062	4.616	ug/L	95
50) 1,2-Dibromoethane	8.40	107	28609	5.249	ug/L	97
51) Chlorobenzene	8.92	112	111745	4.777	ug/L	100
52) Ethylbenzene	9.05	91	196667	4.617	ug/L	99
53) m,p-xylene	9.18	106	70507	4.476	ug/L	98
54) o-xylene	9.59	106	72804	4.709	ug/L	99
55) Styrene	9.60	104	119169	4.733	ug/L	95
56) Isopropylbenzene	9.97	105	185693	4.463	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	38651	5.560	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	28624	5.479	ug/L	98
61) Bromoform	9.77	173	13628	4.656	ug/L	97
62) 1,3-Dichlorobenzene	11.22	146	75855	4.708	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	76049	4.863	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	75288	5.056	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	4813	4.510	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	53464	4.613	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	39666	4.508	ug/L	98
69) Naphthalene	13.55	128	68557	4.760	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	37191	4.713	ug/L	96

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

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ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD00550

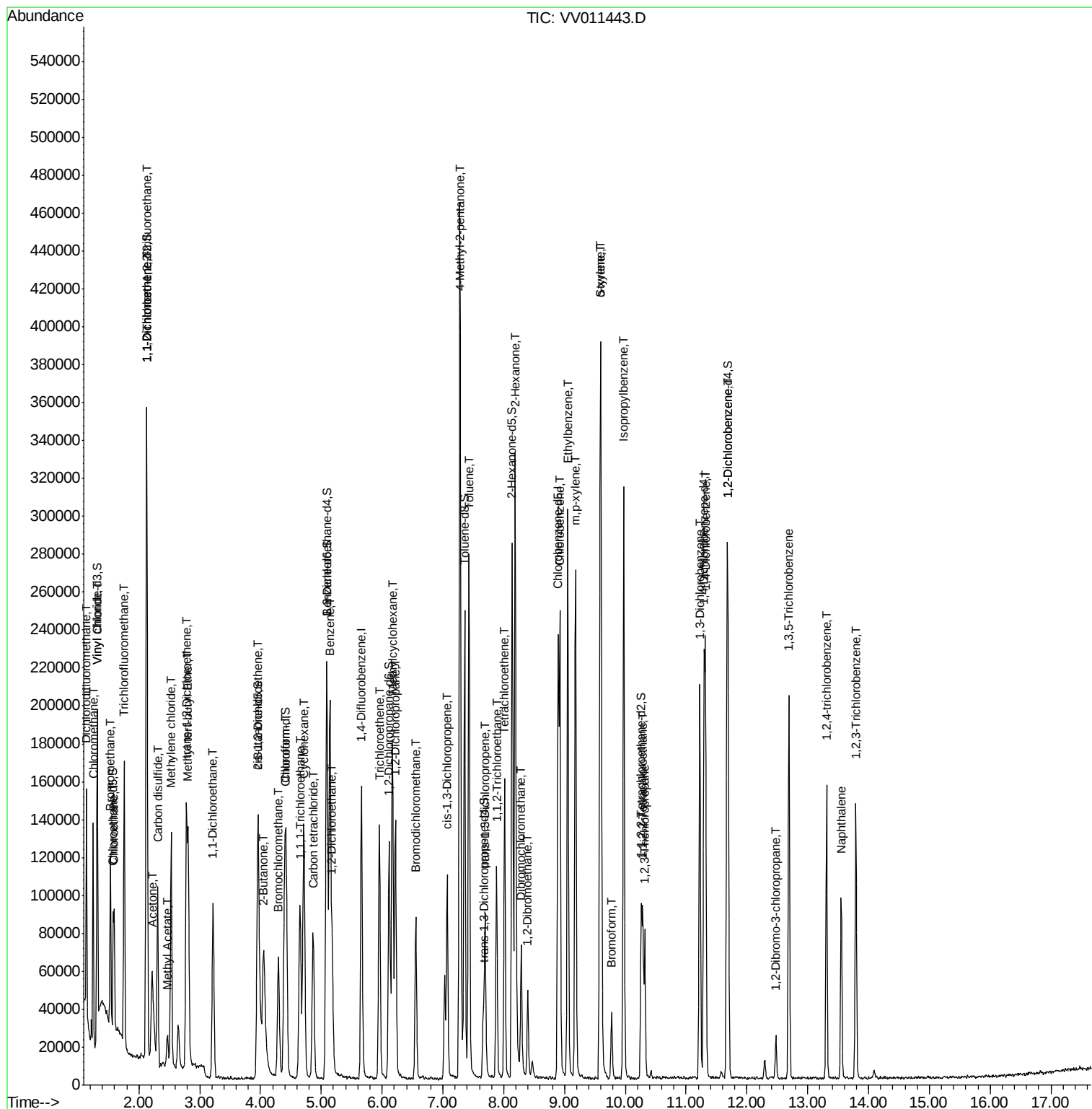
Quant Time: Jun 13 03:48:06 2019

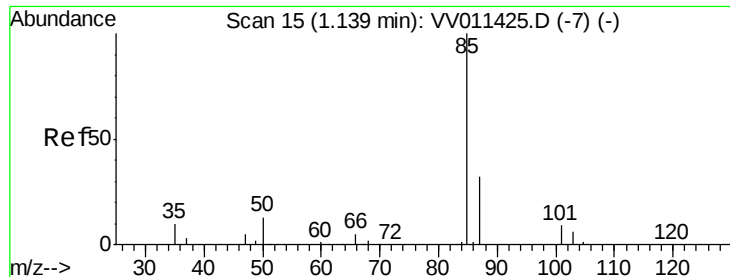
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR060419WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Thu Jun 13 02:32:13 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.421 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV011443.D

Acq: 13 Jun 2019 02:52

Instrument :

MSVOA_V

ClientSampleId :

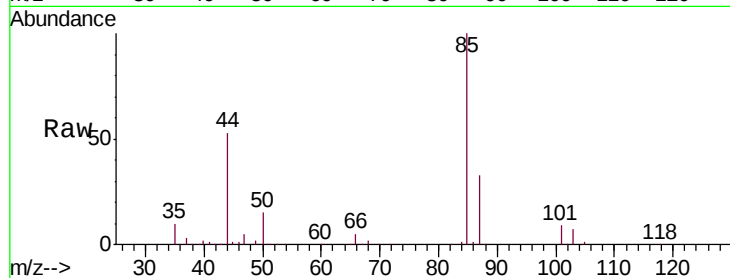
VSTD00550

Tgt Ion: 85 Resp: 53378

Ion Ratio Lower Upper

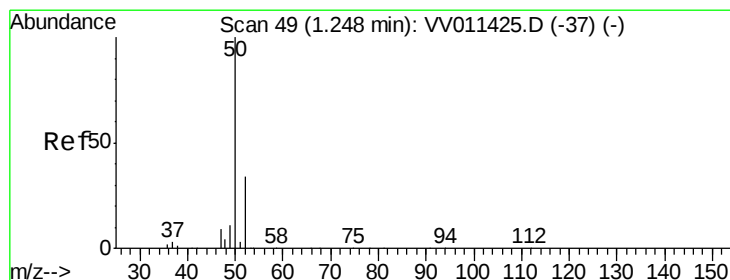
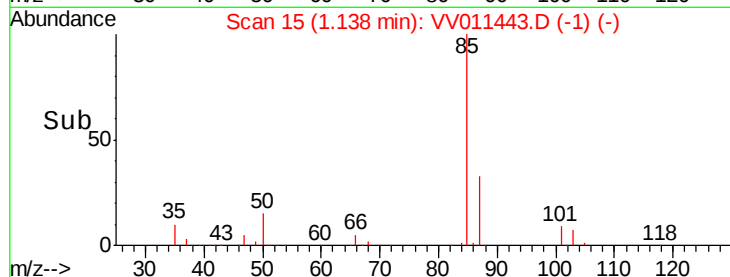
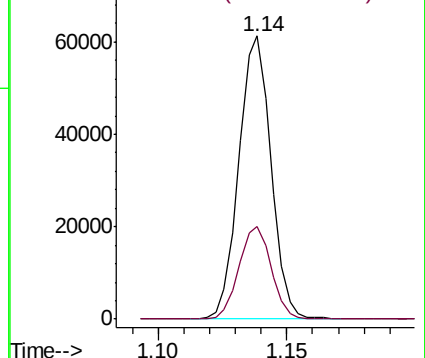
85 100

87 33.0 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 5.152 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV011443.D

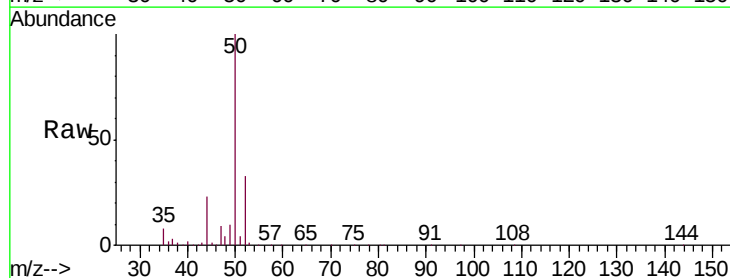
Acq: 13 Jun 2019 02:52

Tgt Ion: 50 Resp: 60139

Ion Ratio Lower Upper

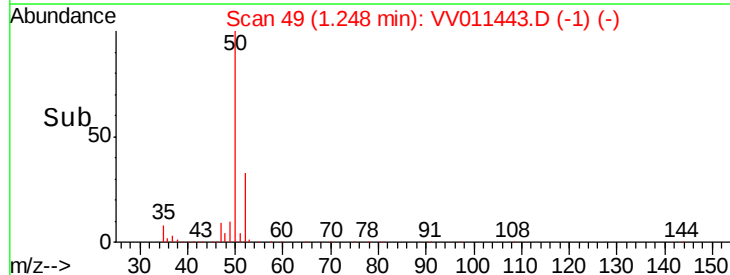
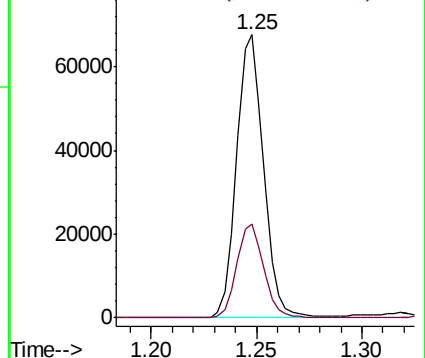
50 100

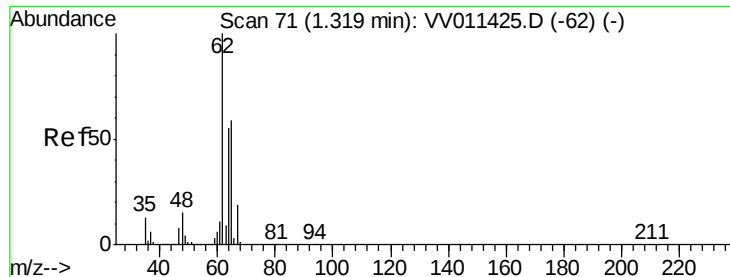
52 33.0 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 5.094 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV011443.D

Acq: 13 Jun 2019 02:52

Instrument :

MSVOA_V

ClientSampleId :

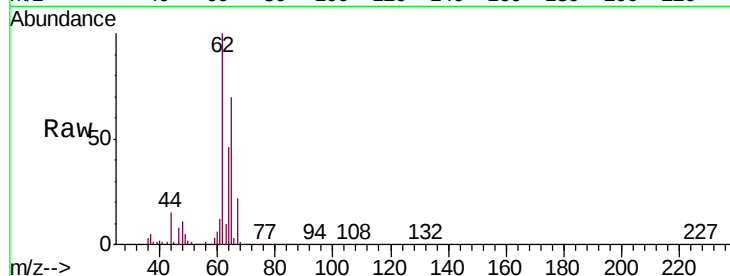
VSTD00550

Tgt Ion: 62 Resp: 57372

Ion Ratio Lower Upper

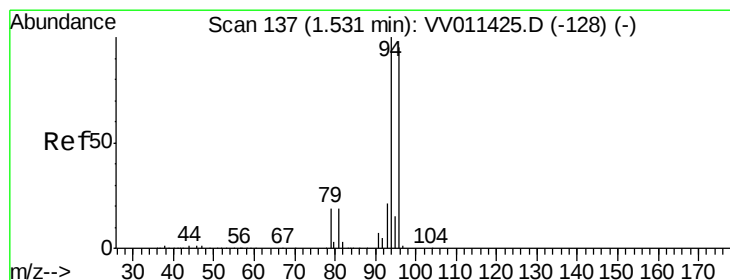
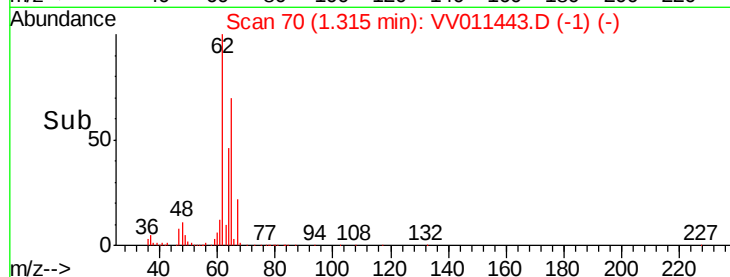
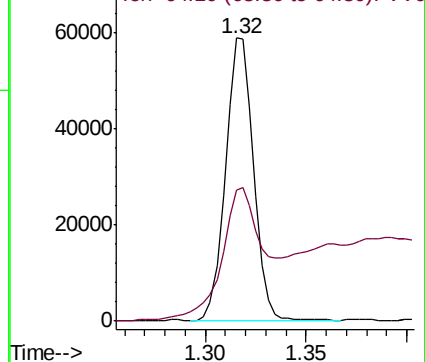
62 100

64 46.2 25.9 48.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 5.767 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV011443.D

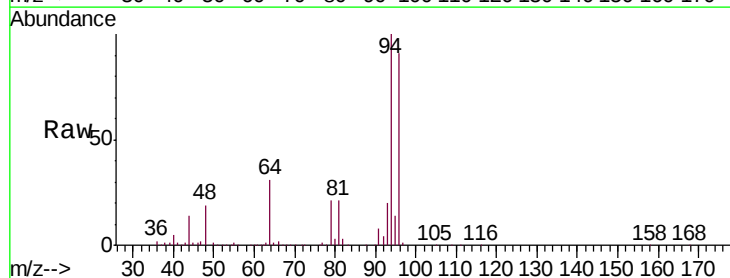
Acq: 13 Jun 2019 02:52

Tgt Ion: 94 Resp: 33790

Ion Ratio Lower Upper

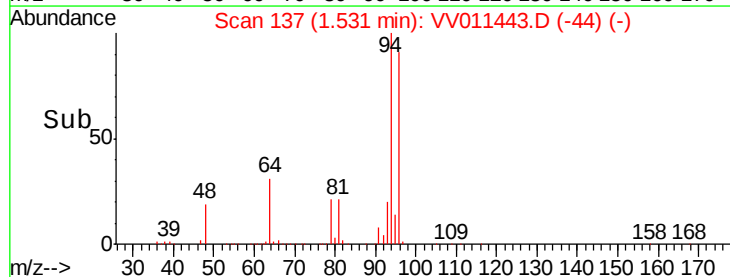
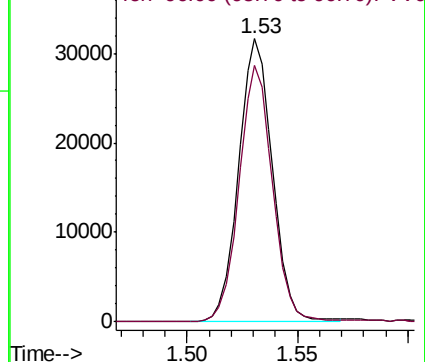
94 100

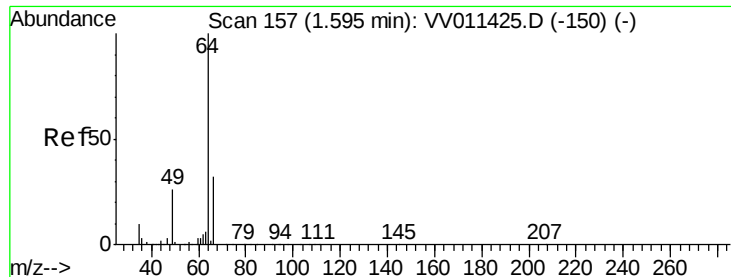
96 90.5 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 4.825 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV011443.D

Acq: 13 Jun 2019 02:52

Instrument :

MSVOA_V

ClientSampleId :

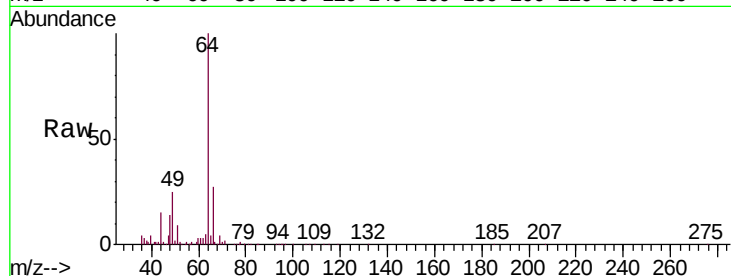
VSTD00550

Tgt Ion: 64 Resp: 34727

Ion Ratio Lower Upper

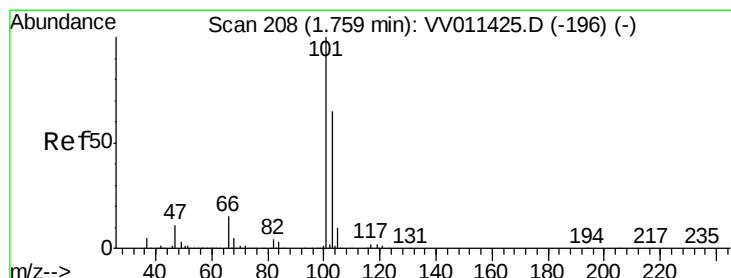
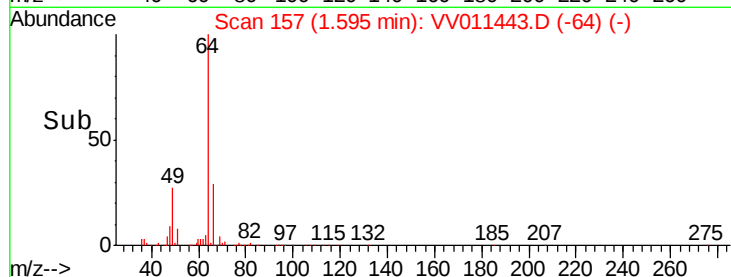
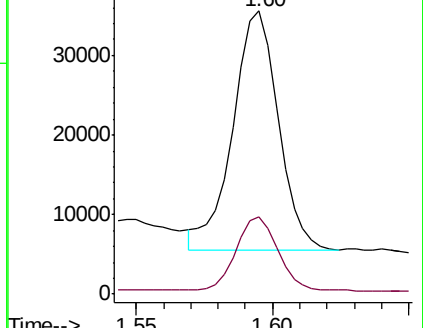
64 100

66 27.3 19.4 36.0



Abundance Ion 64.10 (63.80 to 64.80): VV011443.D (-64) (-)

Ion 66.05 (65.75 to 66.75): VV011443.D (-66) (-)



#9

Trichlorofluoromethane

Concen: 5.114 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV011443.D

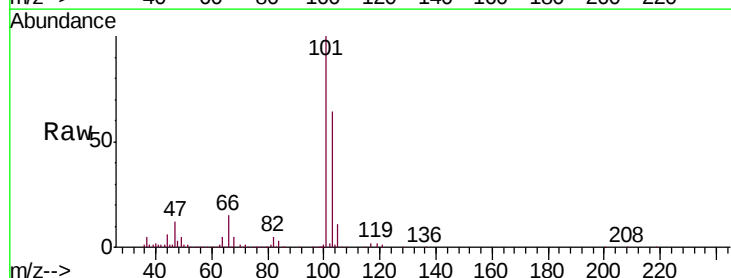
Acq: 13 Jun 2019 02:52

Tgt Ion: 101 Resp: 79069

Ion Ratio Lower Upper

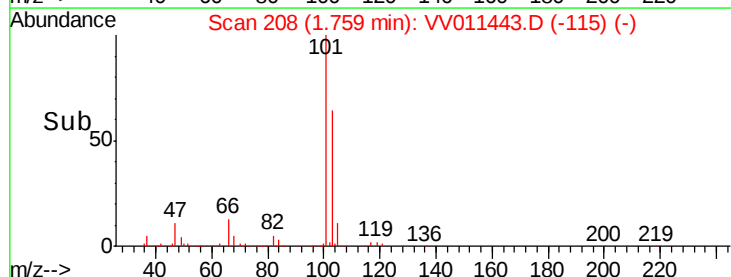
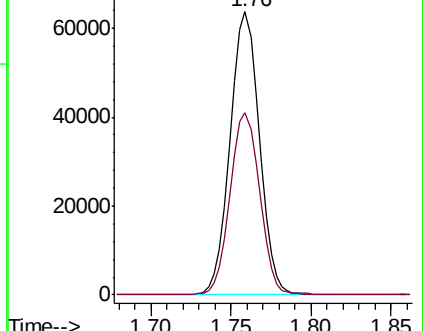
101 100

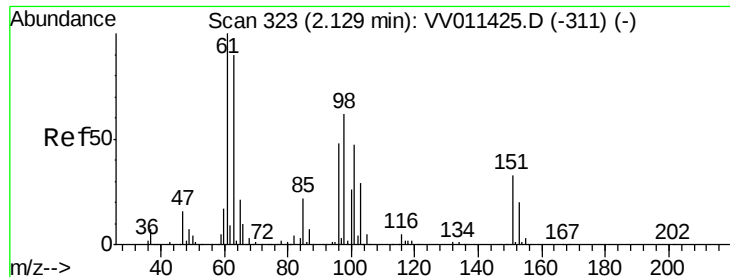
103 65.3 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): VV011443.D (-101) (-)

Ion 103.00 (102.70 to 103.70): VV011443.D (-103) (-)





#10

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

Concen: 5.150 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV011443.D

Acq: 13 Jun 2019 02:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD00550

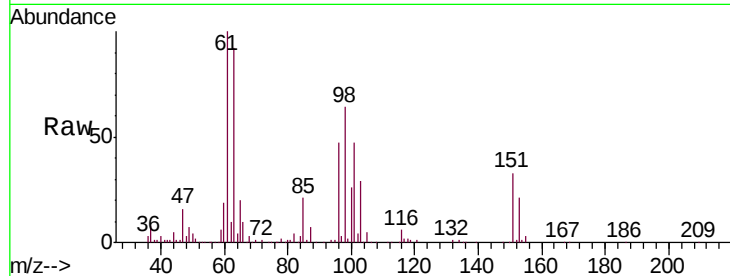
Tgt Ion:101 Resp: 40865

Ion Ratio Lower Upper

101 100

85 47.3 35.5 53.3

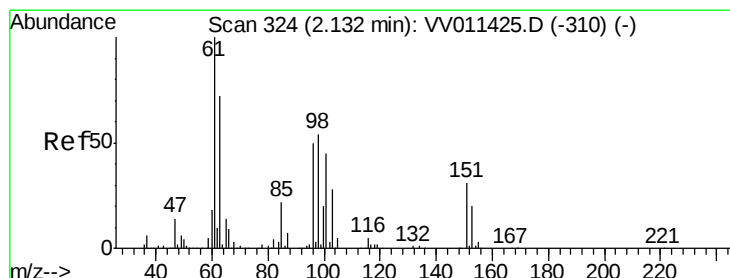
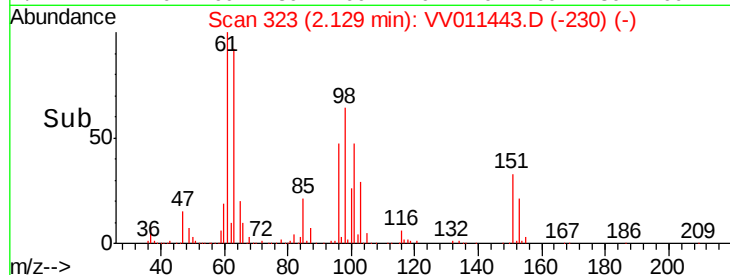
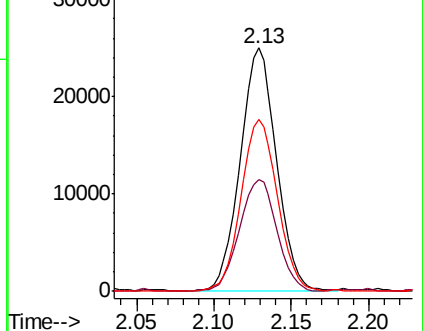
151 70.7 56.9 85.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.862 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV011443.D

Acq: 13 Jun 2019 02:52

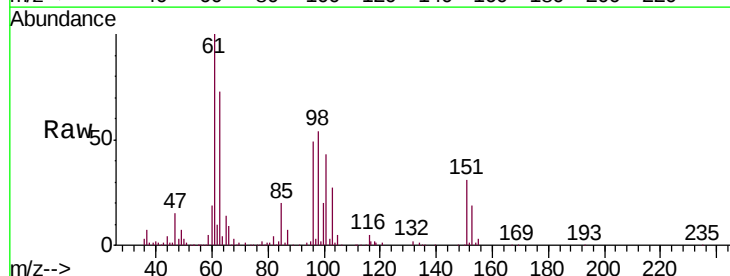
Tgt Ion: 96 Resp: 37499

Ion Ratio Lower Upper

96 100

61 205.7 139.8 259.6

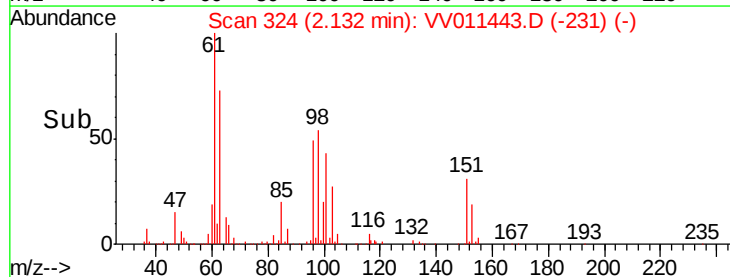
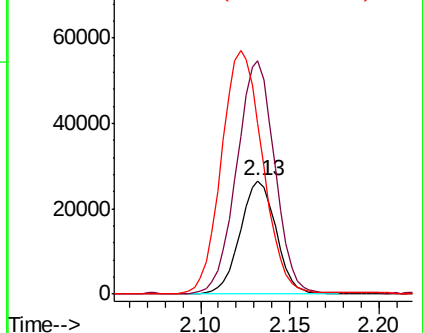
63 150.6 94.3 175.1

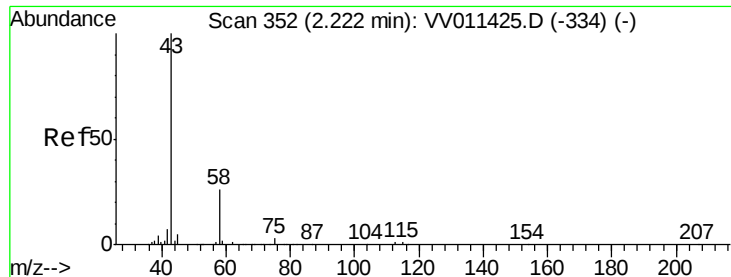


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 60.740 ug/L

RT: 2.22 min Scan# 352

Delta R.T. -0.00 min

Lab File: VV011443.D

Acq: 13 Jun 2019 02:52

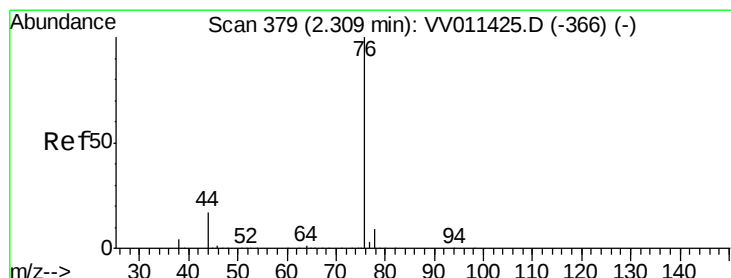
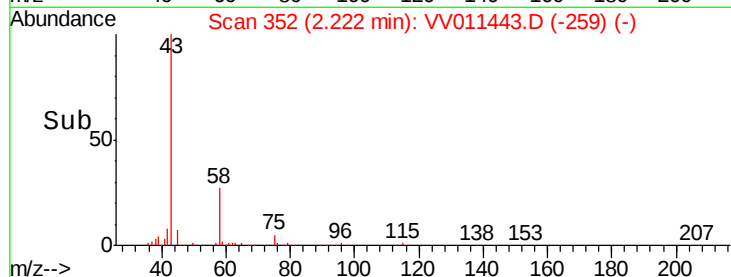
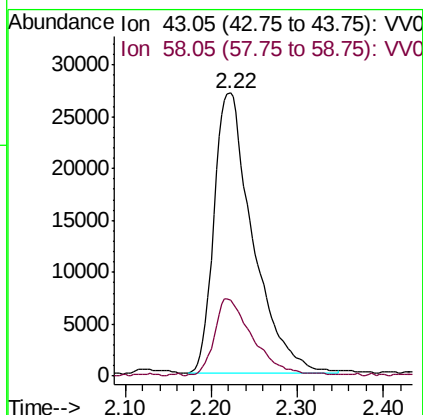
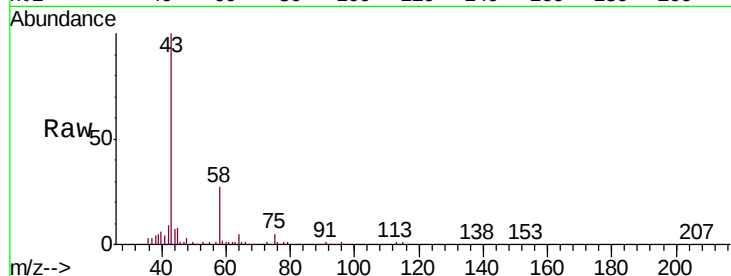
Instrument :
MSVOA_V
ClientSampleId :
VSTD00550

Tgt Ion: 43 Resp: 85047

Ion Ratio Lower Upper

43 100

58 27.4 0.0 55.2



#14

Carbon disulfide

Concen: 3.987 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV011443.D

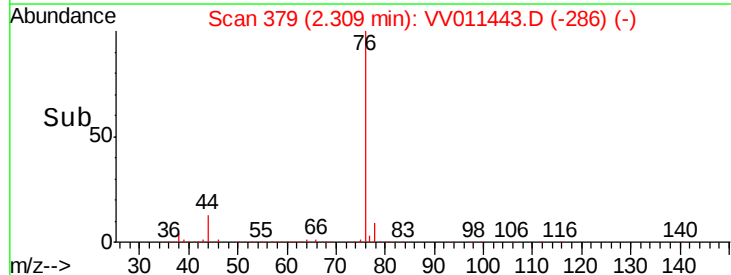
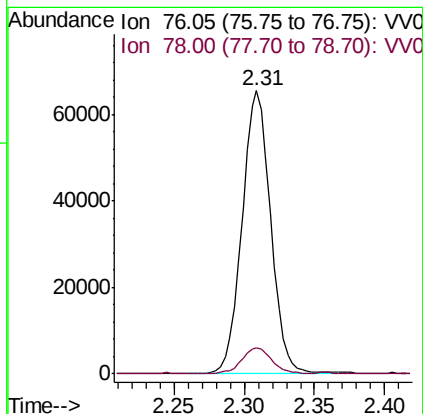
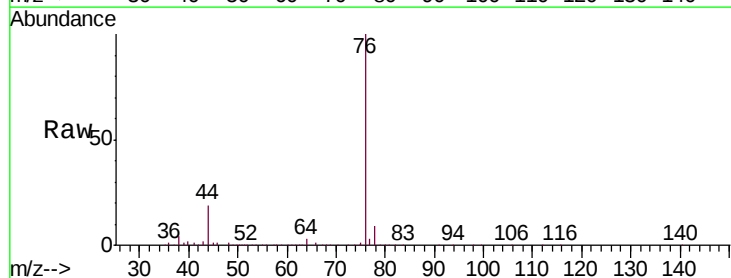
Acq: 13 Jun 2019 02:52

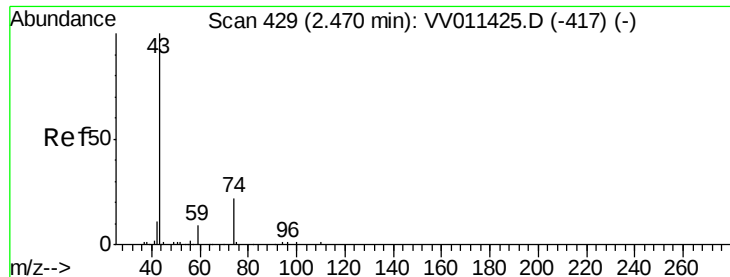
Tgt Ion: 76 Resp: 93290

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

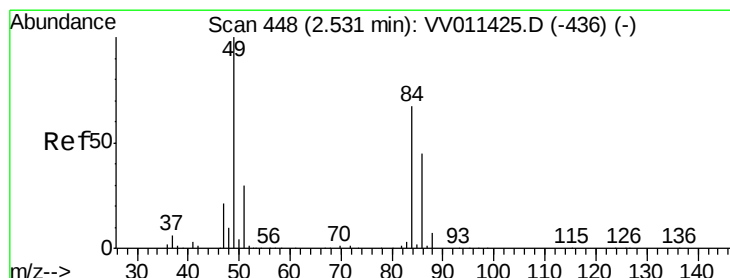
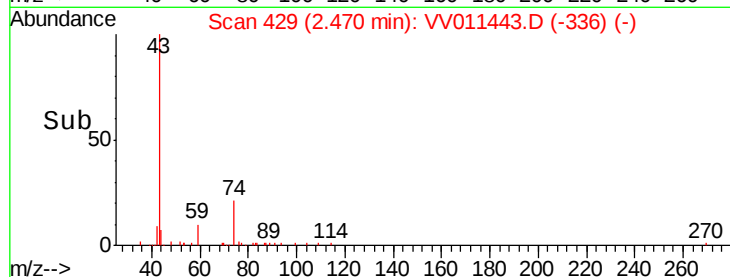
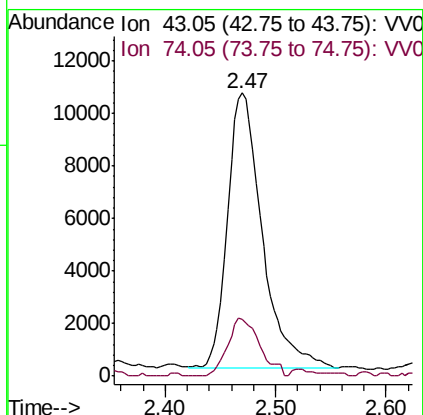
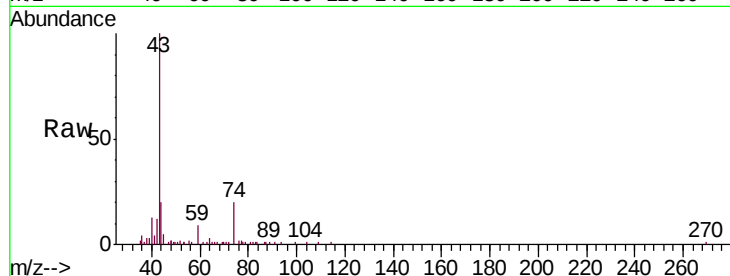




#15
Methyl Acetate
Concen: 6.123 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VV011443.D
Acq: 13 Jun 2019 02:52

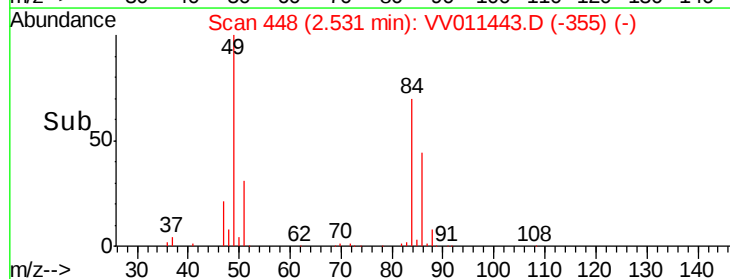
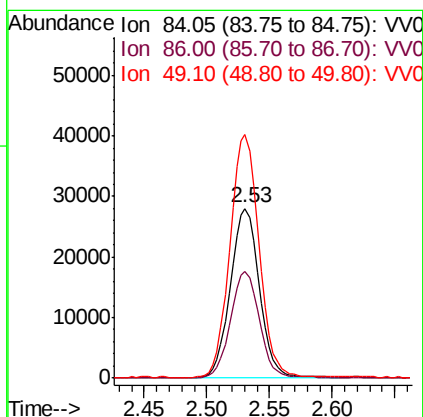
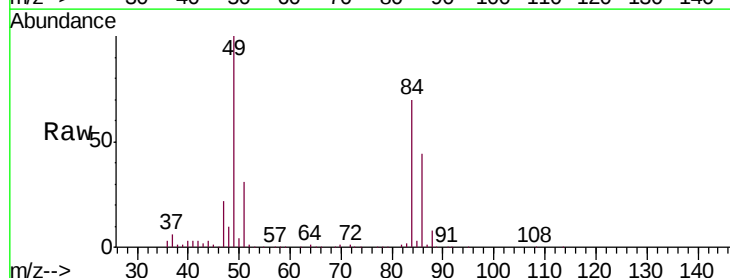
Instrument :
MSVOA_V
ClientSampleId :
VSTD00550

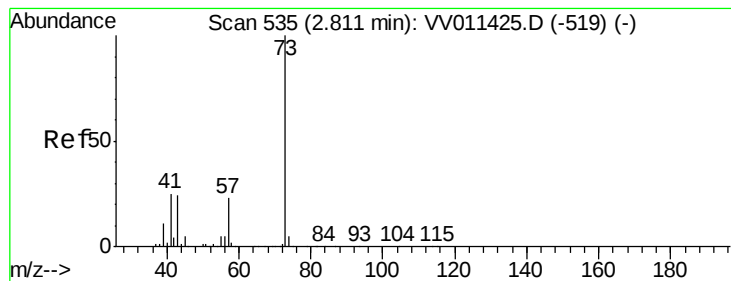
Tgt Ion: 43 Resp: 22769
Ion Ratio Lower Upper
43 100
74 19.5 18.5 27.7



#16
Methylene chloride
Concen: 5.705 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV011443.D
Acq: 13 Jun 2019 02:52

Tgt Ion: 84 Resp: 45334
Ion Ratio Lower Upper
84 100
86 62.8 44.9 83.3
49 143.3 102.1 189.5





#17

Methyl tert-butyl Ether

Concen: 5.459 ug/L

RT: 2.81 min Scan# 535

Delta R.T. -0.00 min

Lab File: VV011443.D

Acq: 13 Jun 2019 02:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD00550

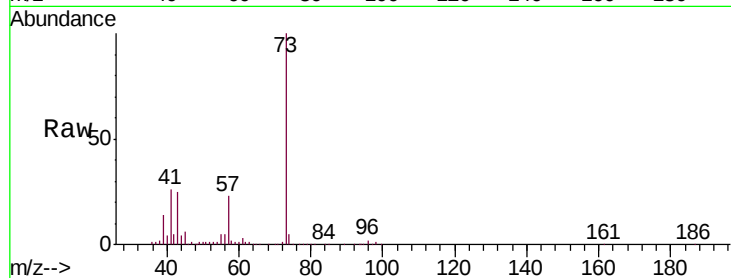
Tgt Ion: 73 Resp: 112391

Ion Ratio Lower Upper

73 100

43 24.5 18.7 28.1

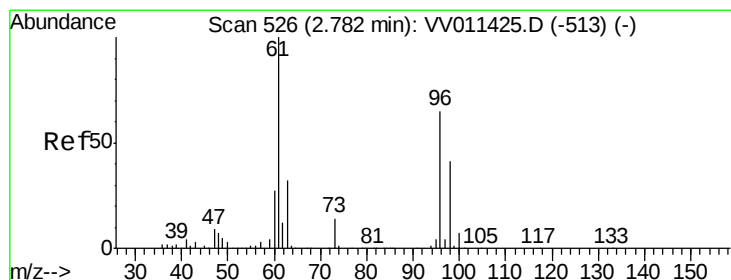
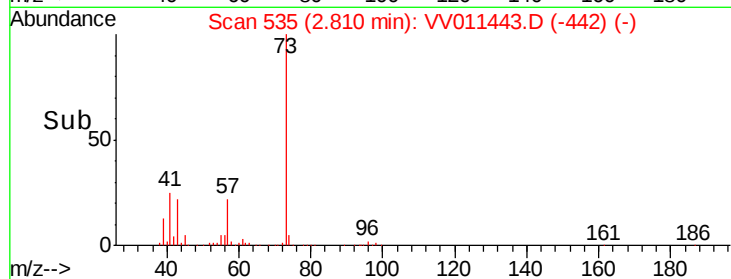
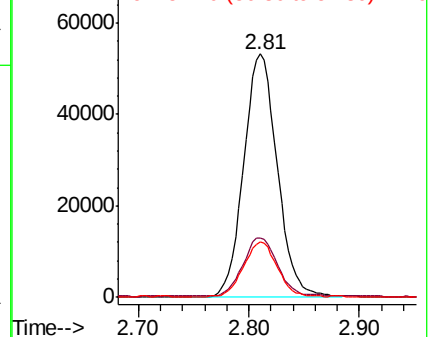
57 23.1 18.1 27.1



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: 4.899 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV011443.D

Acq: 13 Jun 2019 02:52

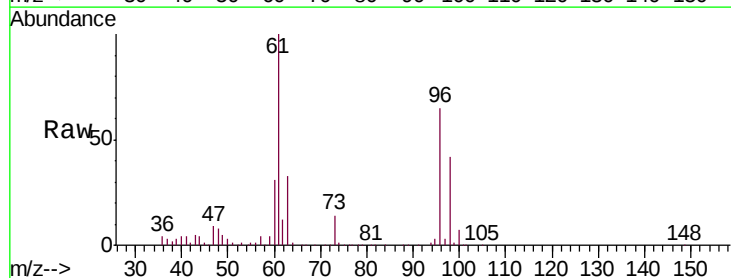
Tgt Ion: 96 Resp: 42302

Ion Ratio Lower Upper

96 100

61 153.0 104.0 193.2

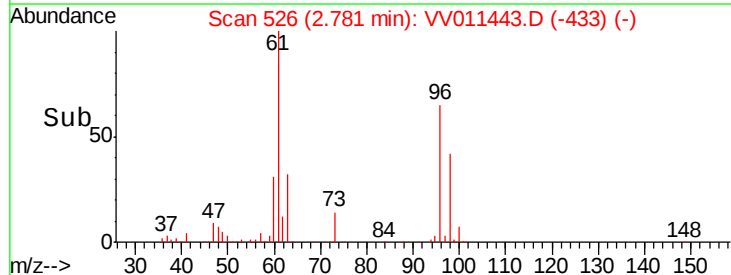
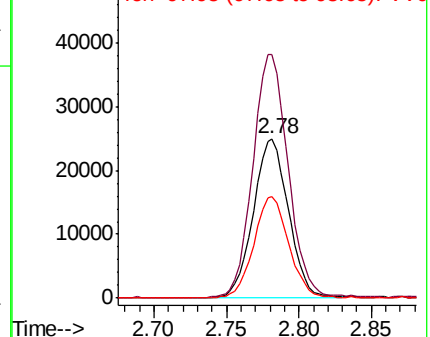
98 63.9 45.7 84.9

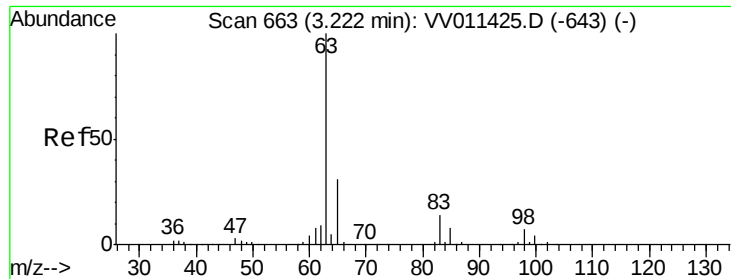


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 5.255 ug/L

RT: 3.22 min Scan# 662

Delta R.T. -0.00 min

Lab File: VV011443.D

Acq: 13 Jun 2019 02:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD00550

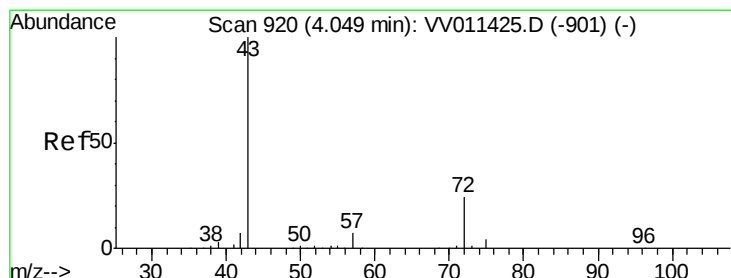
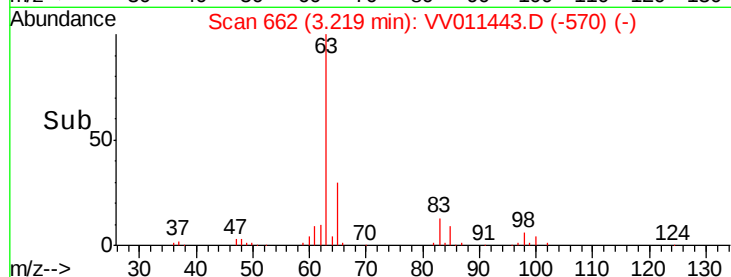
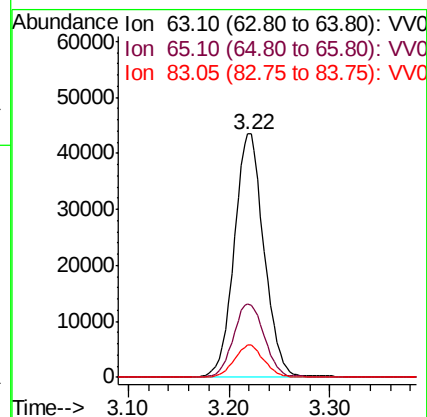
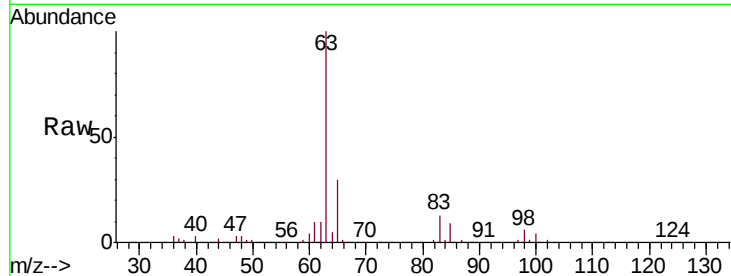
Tgt Ion: 63 Resp: 89513

Ion Ratio Lower Upper

63 100

65 30.3 22.1 41.1

83 13.2 9.2 17.0



#21

2-Butanone

Concen: 58.442 ug/L

RT: 4.05 min Scan# 922

Delta R.T. 0.01 min

Lab File: VV011443.D

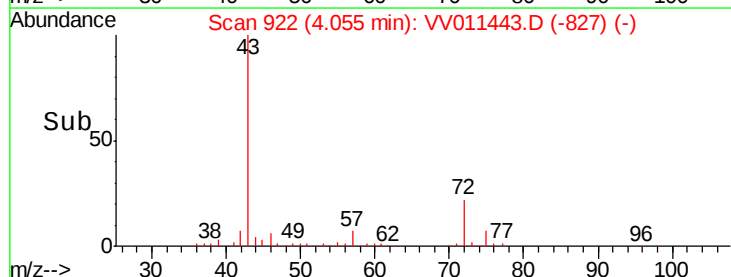
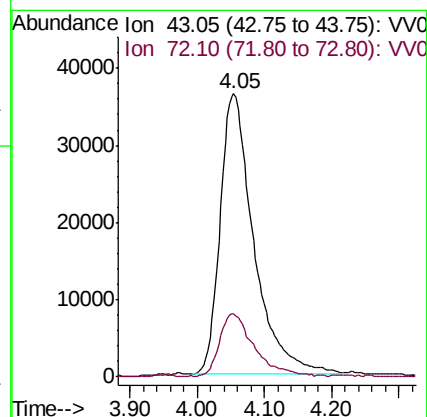
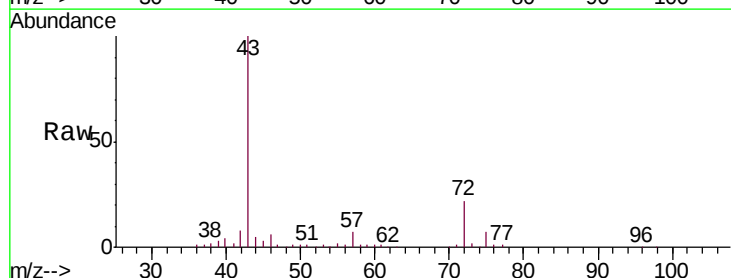
Acq: 13 Jun 2019 02:52

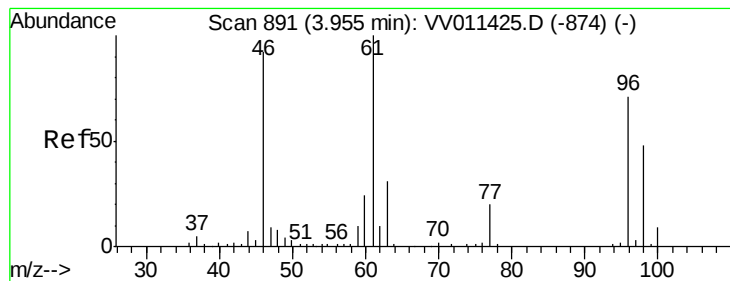
Tgt Ion: 43 Resp: 126017

Ion Ratio Lower Upper

43 100

72 23.6 12.7 38.1



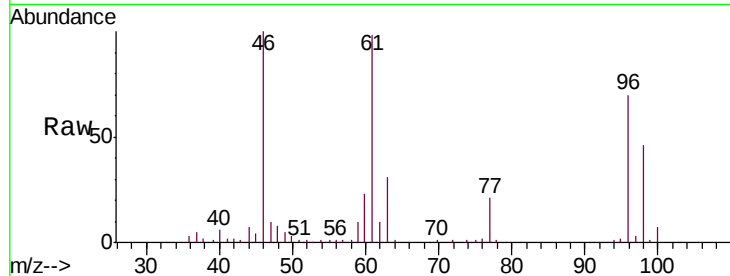


#22

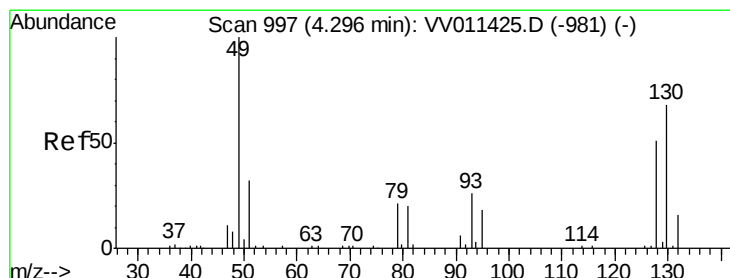
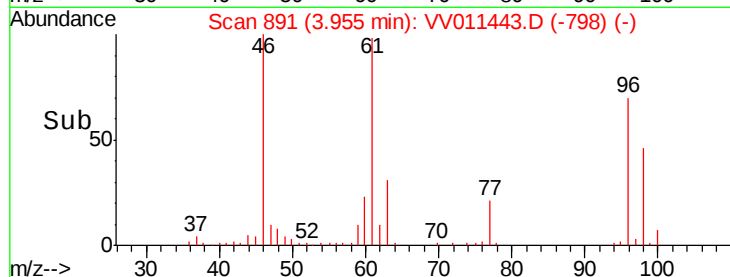
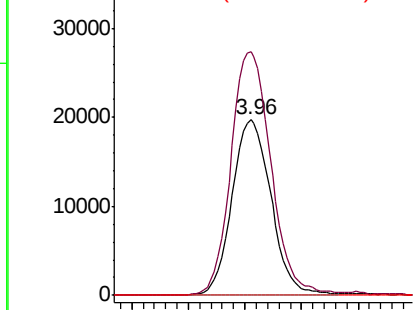
cis-1,2-Dichloroethene
 Concen: 4.960 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: VV011443.D
 Acq: 13 Jun 2019 02:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00550

Tgt Ion: 96 Resp: 47433
 Ion Ratio Lower Upper
 96 100
 61 138.5 100.8 187.2
 68 0.0 0.0 0.0



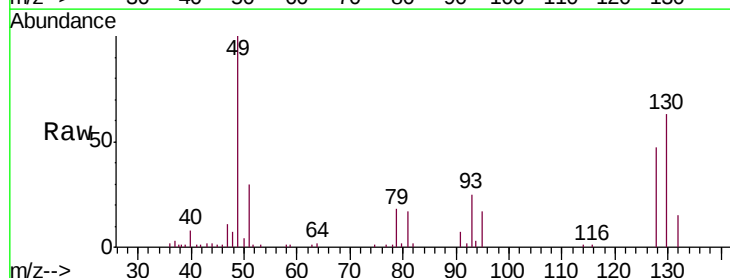
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



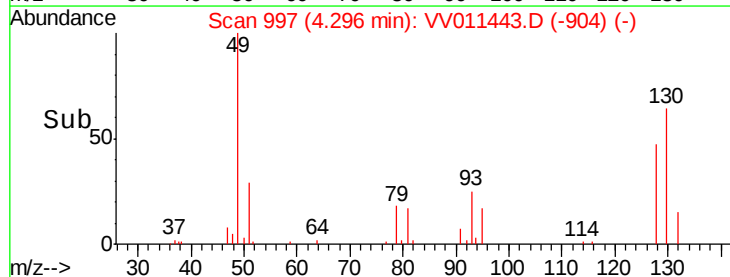
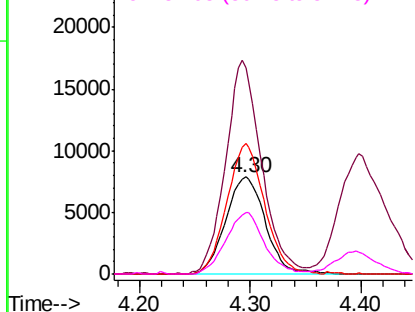
#23

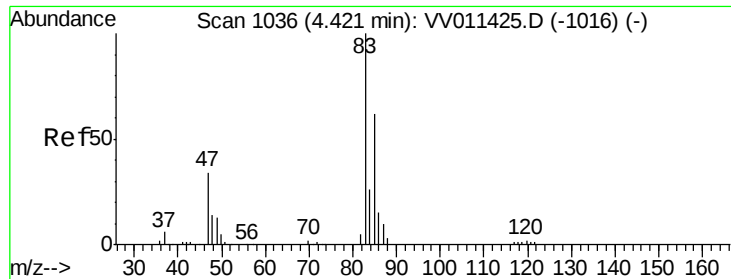
Bromochloromethane
 Concen: 5.350 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: VV011443.D
 Acq: 13 Jun 2019 02:52

Tgt Ion: 128 Resp: 19612
 Ion Ratio Lower Upper
 128 100
 49 212.6 128.9 239.5
 130 133.9 82.5 153.1
 51 63.7 47.2 70.8



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

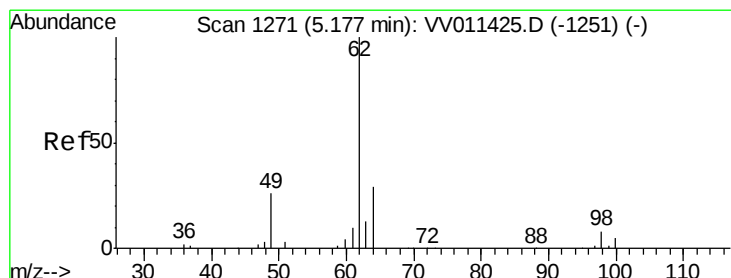
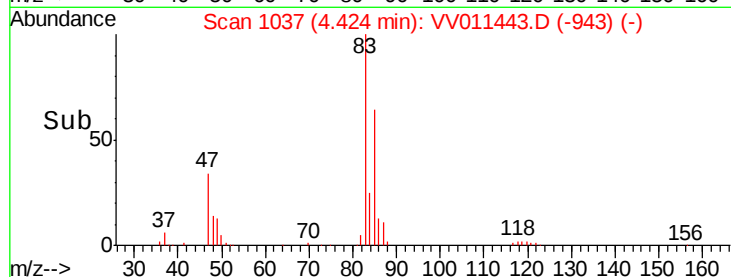
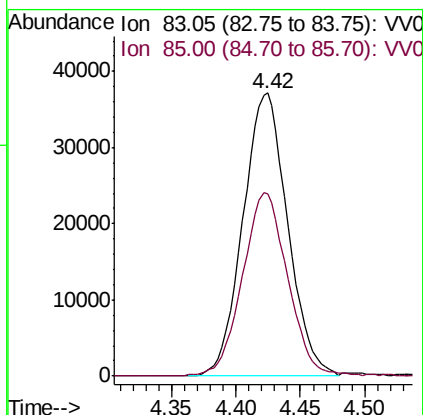
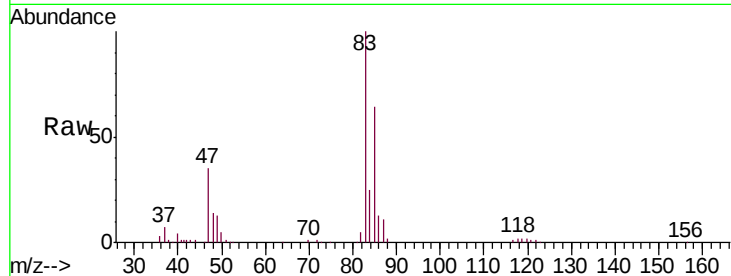




#25
Chloroform
Concen: 5.101 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV011443.D
Acq: 13 Jun 2019 02:52

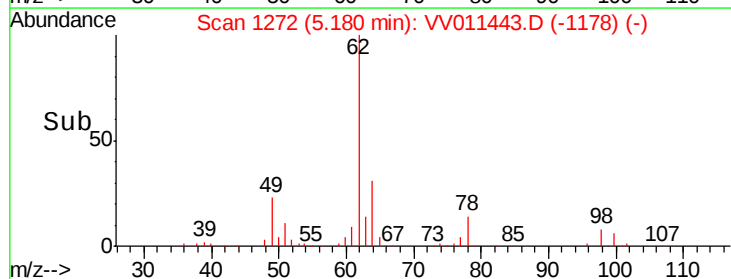
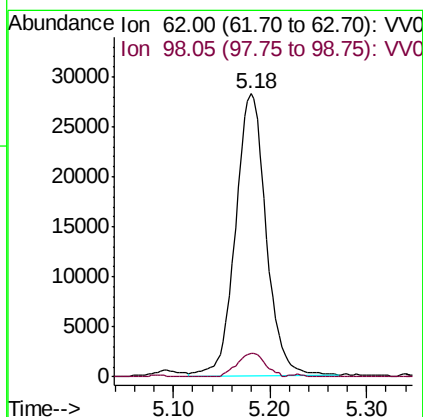
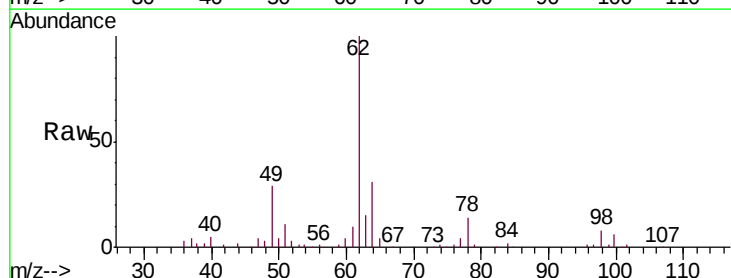
Instrument :
MSVOA_V
ClientSampleId :
VSTD00550

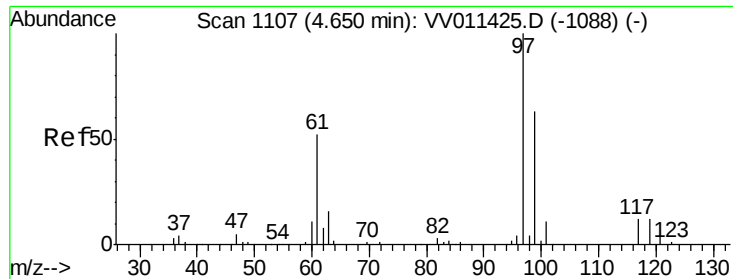
Tgt Ion: 83 Resp: 89734
Ion Ratio Lower Upper
83 100
85 64.4 44.1 81.9



#27
1,2-Dichloroethane
Concen: 5.740 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV011443.D
Acq: 13 Jun 2019 02:52

Tgt Ion: 62 Resp: 61708
Ion Ratio Lower Upper
62 100
98 8.1 6.9 10.3

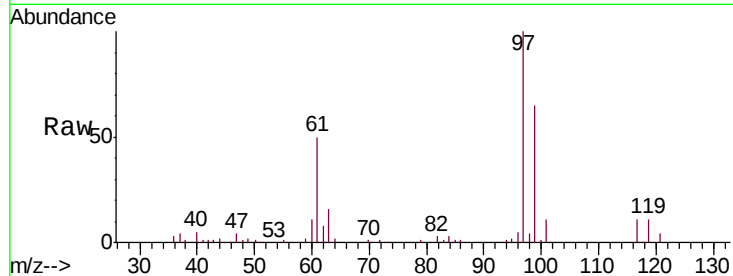




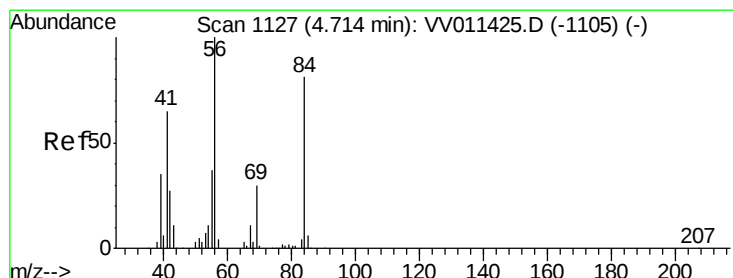
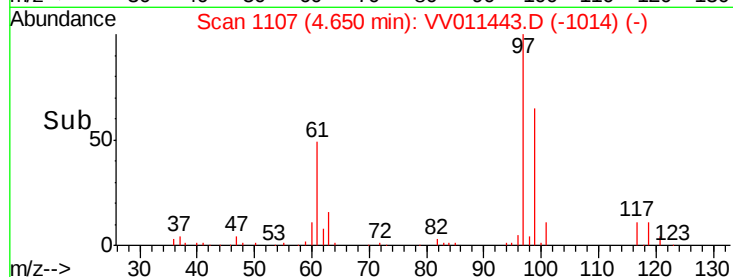
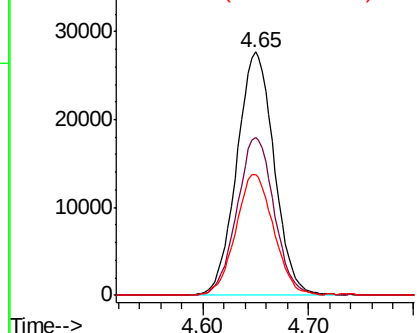
#29
1,1,1-Trichloroethane
Concen: 4.726 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VV011443.D
Acq: 13 Jun 2019 02:52

Instrument :
MSVOA_V
ClientSampleId :
VSTD00550

Tgt Ion: 97 Resp: 68171
Ion Ratio Lower Upper
97 100
99 64.5 50.8 76.2
61 50.6 38.9 58.3

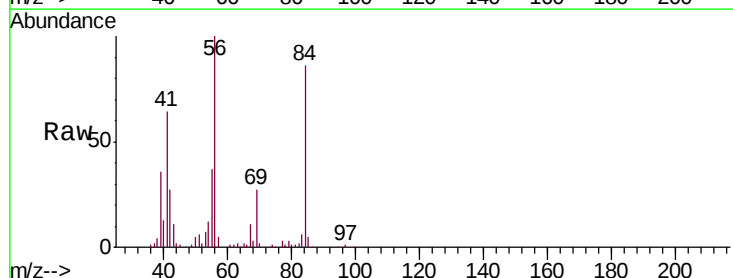


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0

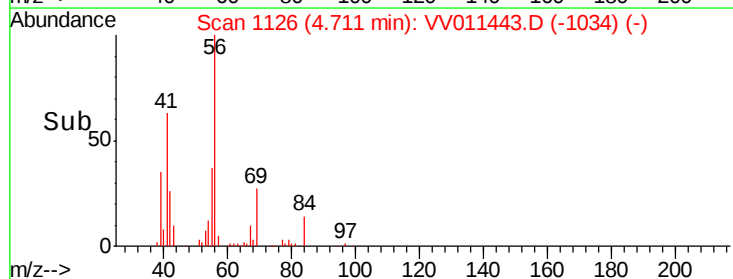
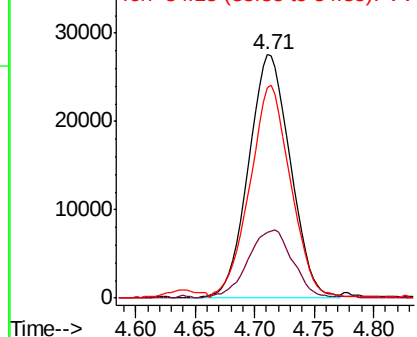


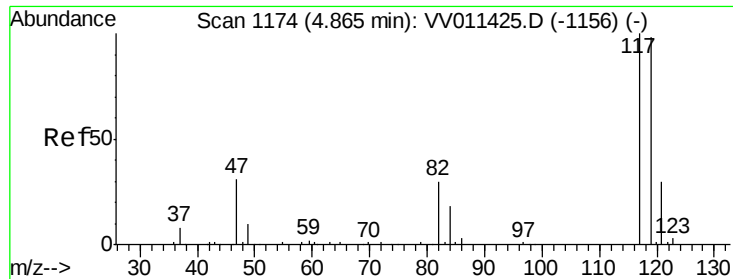
#30
Cyclohexane
Concen: 4.202 ug/L
RT: 4.71 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VV011443.D
Acq: 13 Jun 2019 02:52

Tgt Ion: 56 Resp: 67213
Ion Ratio Lower Upper
56 100
69 30.0 24.1 36.1
84 85.8 66.4 99.6



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: 4.351 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VV011443.D

Acq: 13 Jun 2019 02:52

Instrument :

MSVOA_V

ClientSampleId :

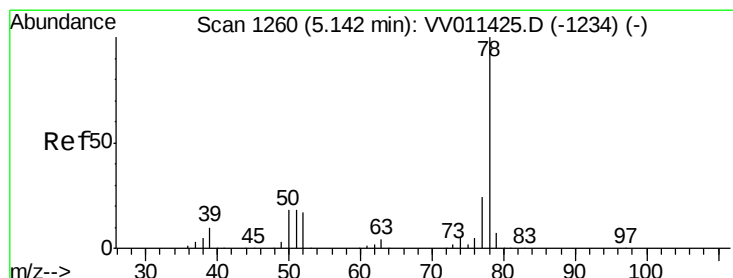
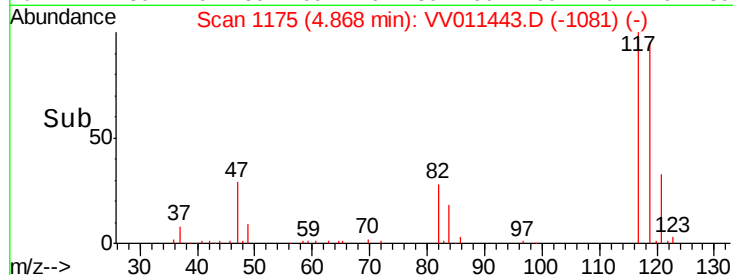
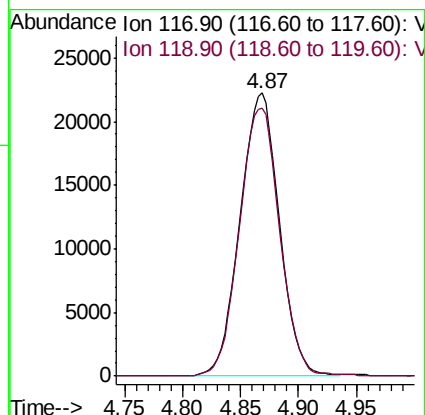
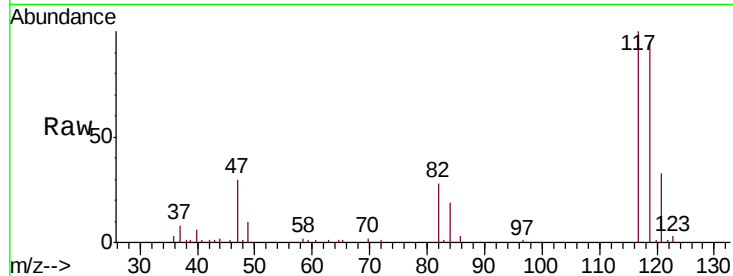
VSTD00550

Tgt Ion:117 Resp: 52458

Ion Ratio Lower Upper

117 100

119 97.2 77.9 116.9



#33

Benzene

Concen: 5.054 ug/L

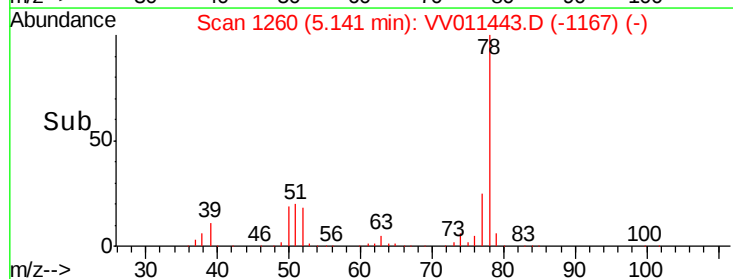
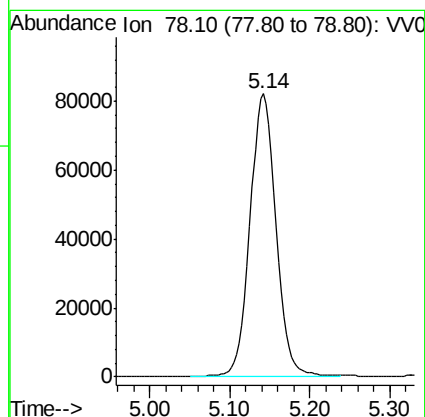
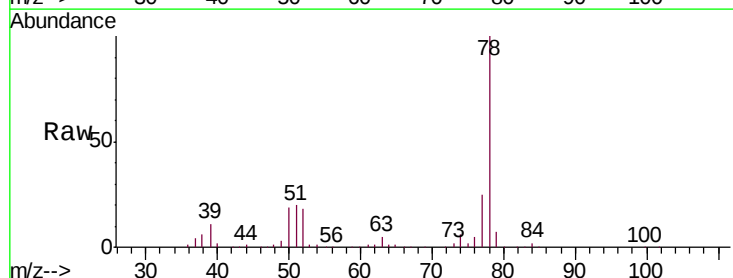
RT: 5.14 min Scan# 1260

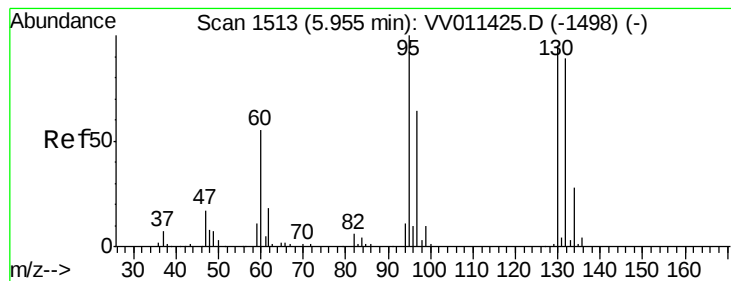
Delta R.T. -0.00 min

Lab File: VV011443.D

Acq: 13 Jun 2019 02:52

Tgt Ion: 78 Resp: 181891





#34

Trichloroethene

Concen: 4.797 ug/L

RT: 5.95 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV011443.D

Acq: 13 Jun 2019 02:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD00550

Tgt Ion: 95 Resp: 44603

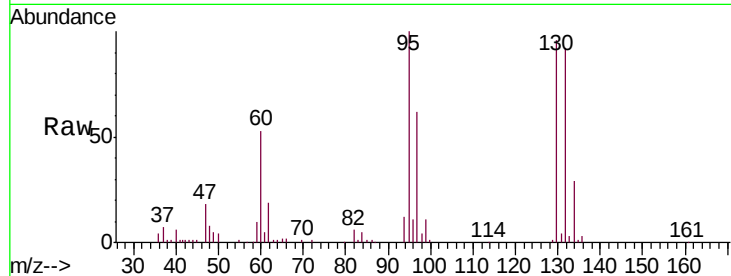
Ion Ratio Lower Upper

95 100

97 61.8 45.8 85.2

132 91.6 66.4 123.2

130 95.7 68.3 126.8

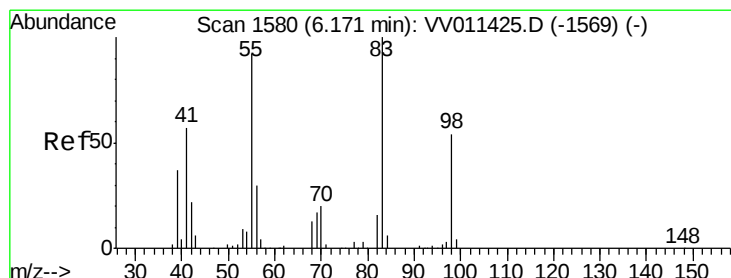
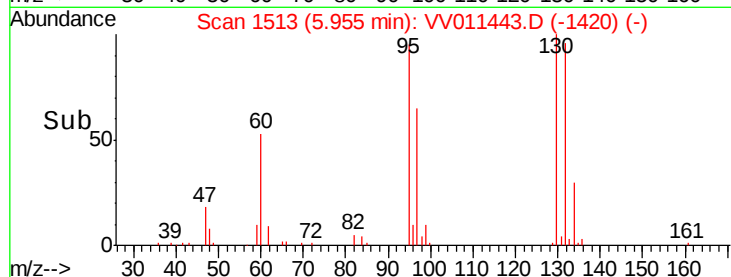
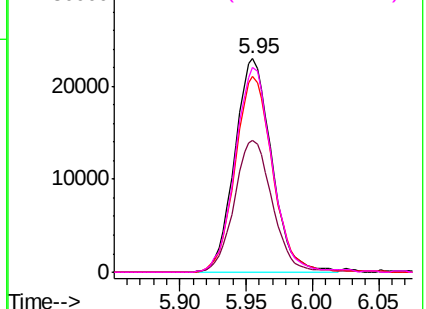


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 4.310 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. -0.00 min

Lab File: VV011443.D

Acq: 13 Jun 2019 02:52

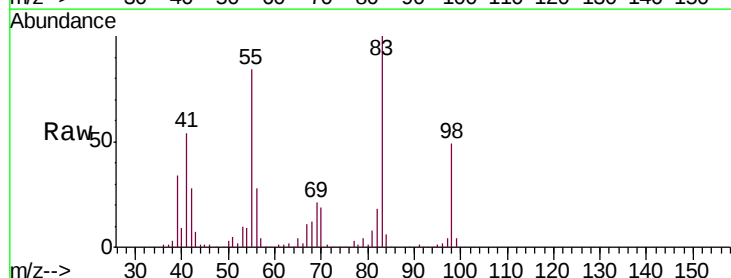
Tgt Ion: 83 Resp: 66269

Ion Ratio Lower Upper

83 100

55 81.8 67.0 100.6

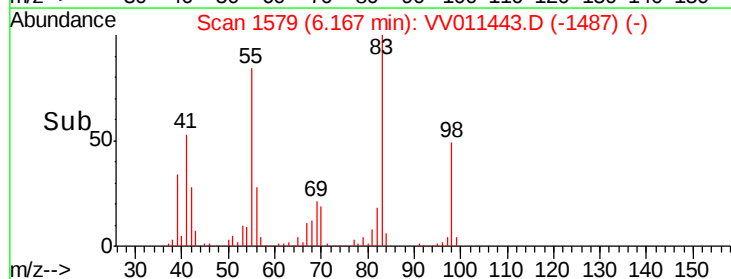
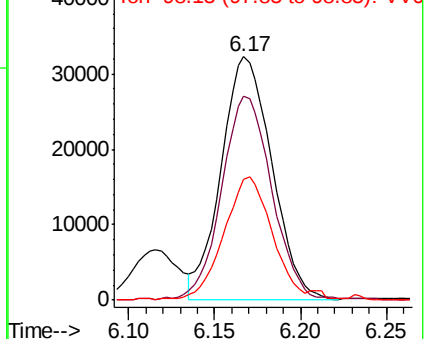
98 48.0 40.0 60.0

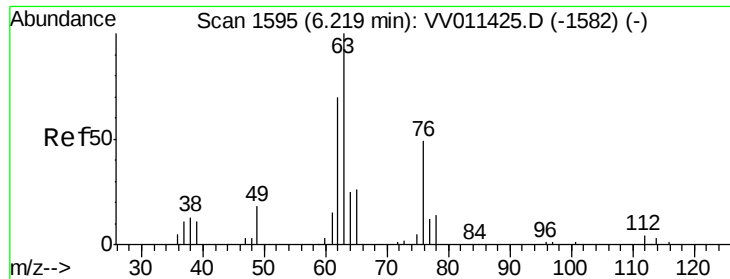


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

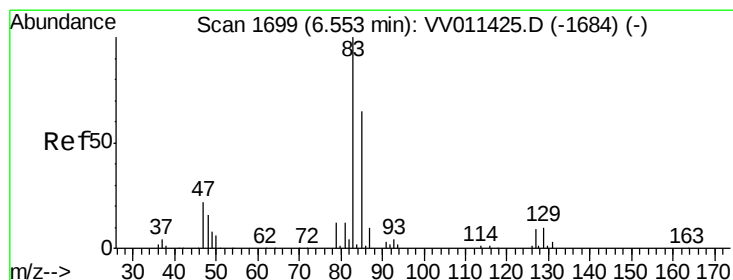
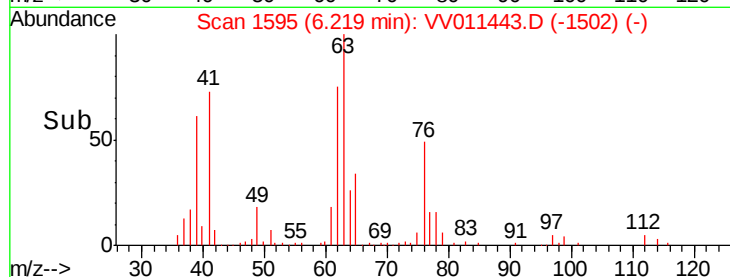
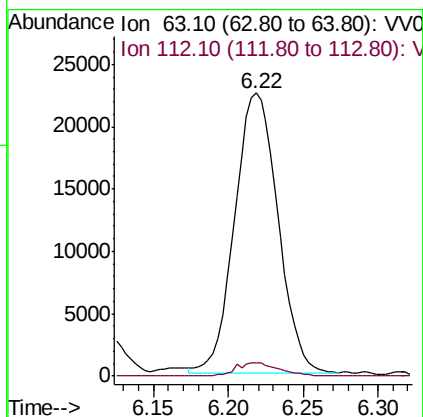
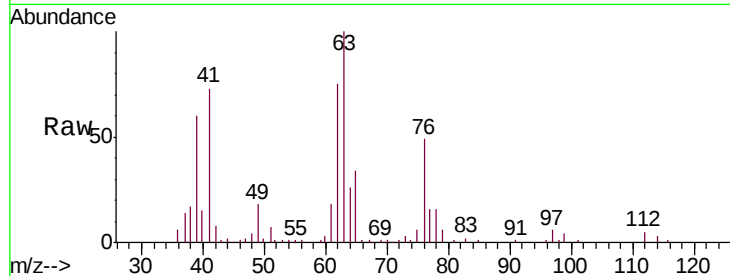




#37
 1,2-Dichloropropane
 Concen: 5.028 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV011443.D
 Acq: 13 Jun 2019 02:52

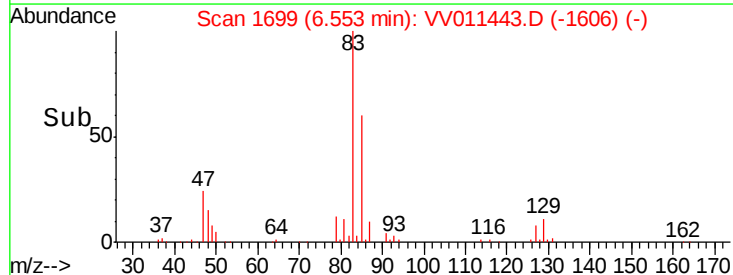
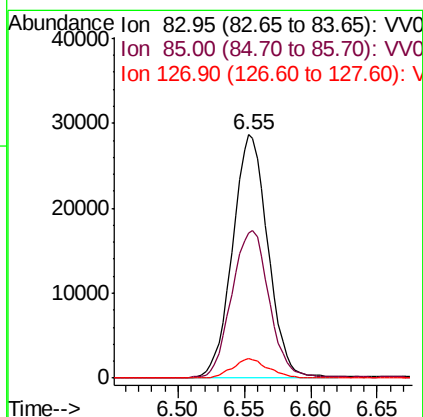
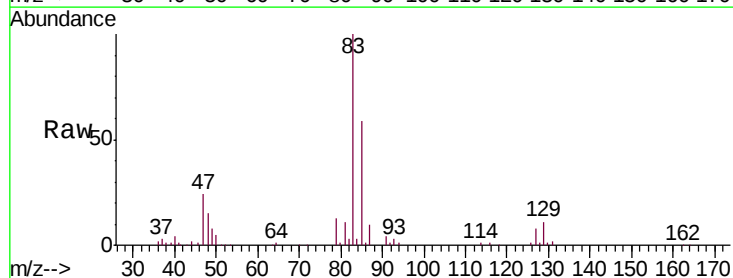
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00550

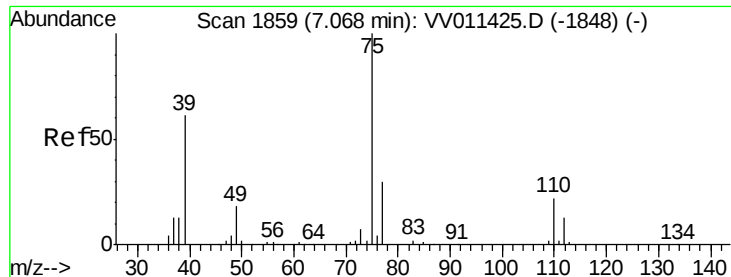
Tgt Ion: 63 Resp: 45040
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.6 5.4



#38
 Bromodichloromethane
 Concen: 4.798 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV011443.D
 Acq: 13 Jun 2019 02:52

Tgt Ion: 83 Resp: 53136
 Ion Ratio Lower Upper
 83 100
 85 59.3 44.5 82.7
 127 7.9 7.0 10.4

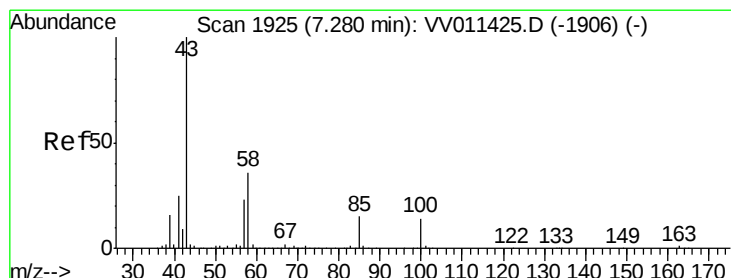
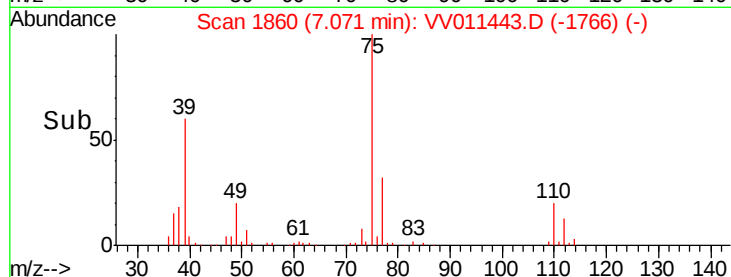
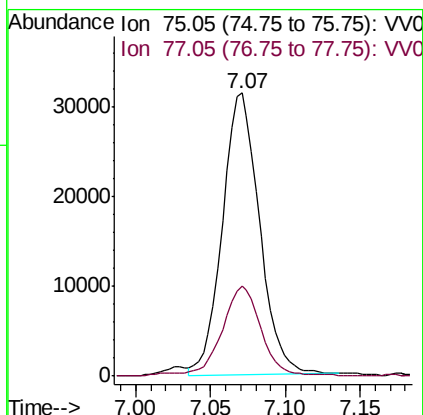
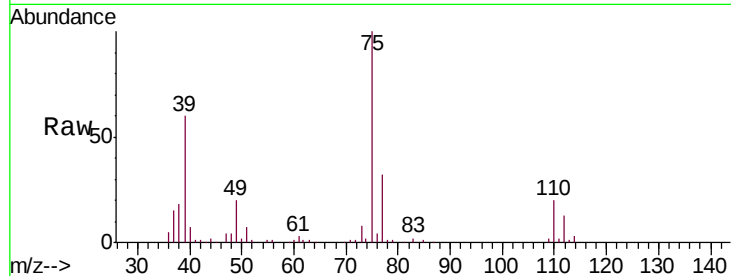




#39
 cis-1,3-Dichloropropene
 Concen: 4.142 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV011443.D
 Acq: 13 Jun 2019 02:52

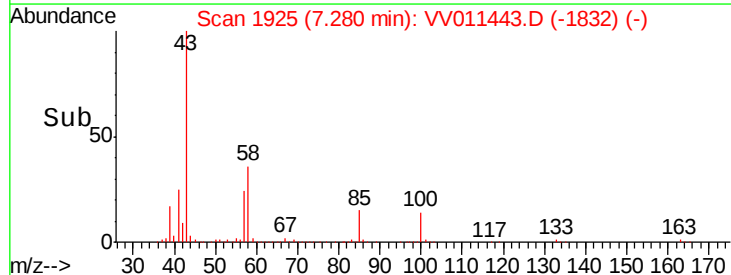
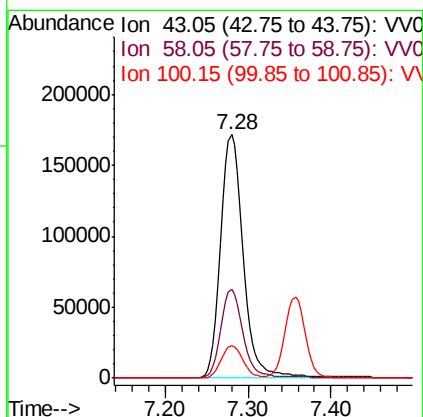
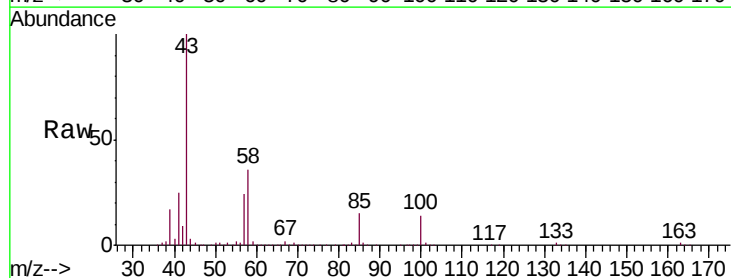
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00550

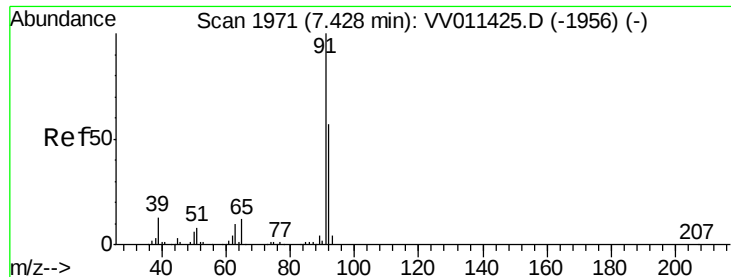
Tgt Ion: 75 Resp: 54279
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 57.126 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. -0.00 min
 Lab File: VV011443.D
 Acq: 13 Jun 2019 02:52

Tgt Ion: 43 Resp: 325853
 Ion Ratio Lower Upper
 43 100
 58 35.2 29.3 43.9
 100 12.8 10.6 16.0





#42

Toluene

Concen: 4.819 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV011443.D

Acq: 13 Jun 2019 02:52

Instrument :

MSVOA_V

ClientSampleId :

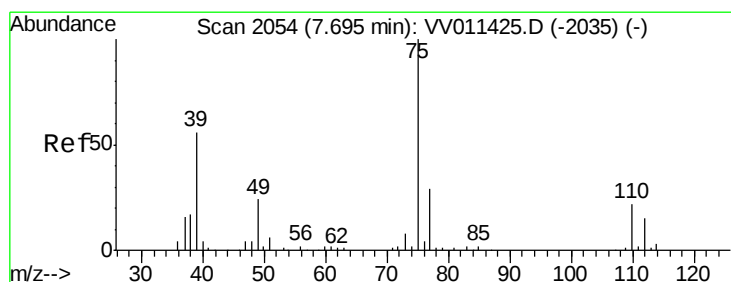
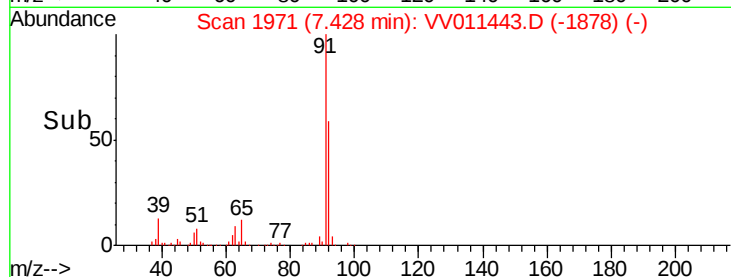
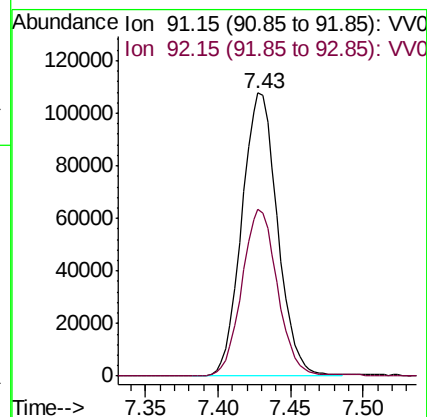
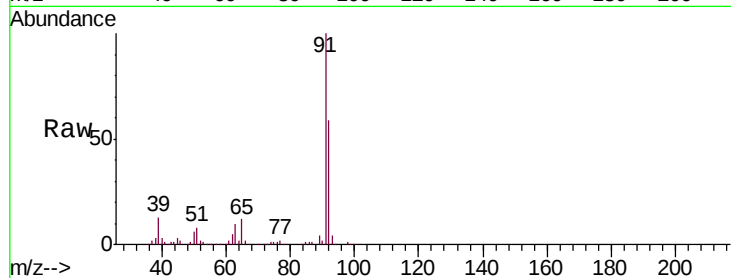
VSTD00550

Tgt Ion: 91 Resp: 184852

Ion Ratio Lower Upper

91 100

92 58.8 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 4.278 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV011443.D

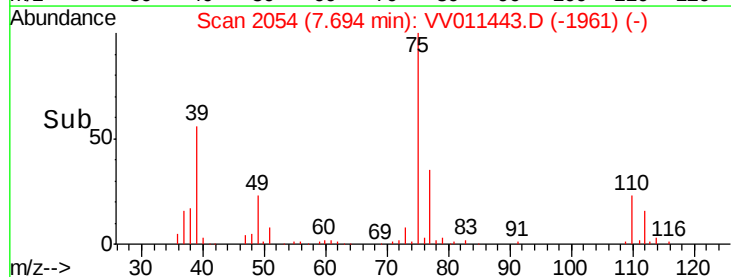
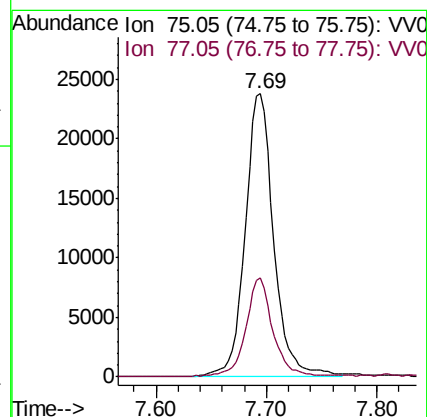
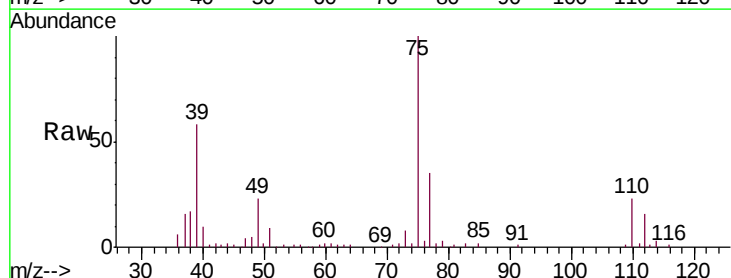
Acq: 13 Jun 2019 02:52

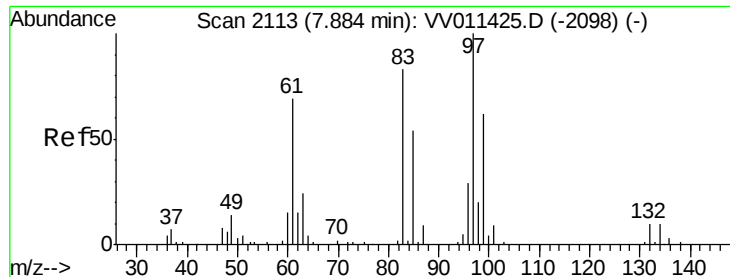
Tgt Ion: 75 Resp: 42621

Ion Ratio Lower Upper

75 100

77 34.9 23.1 42.9

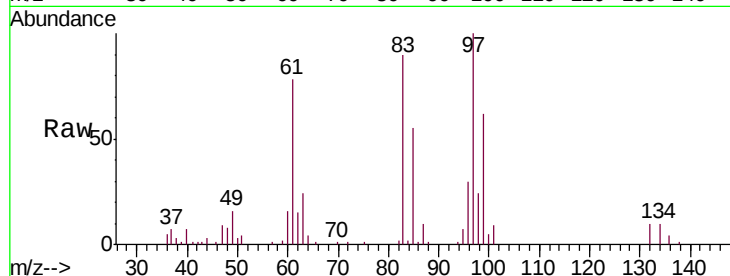




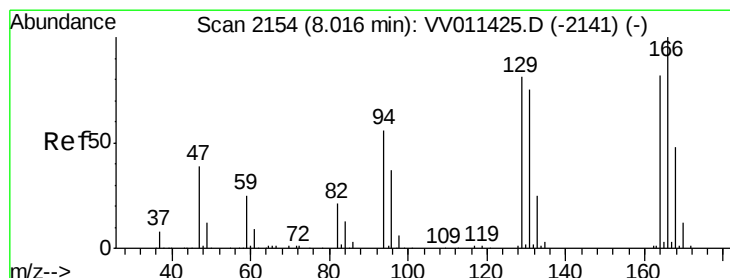
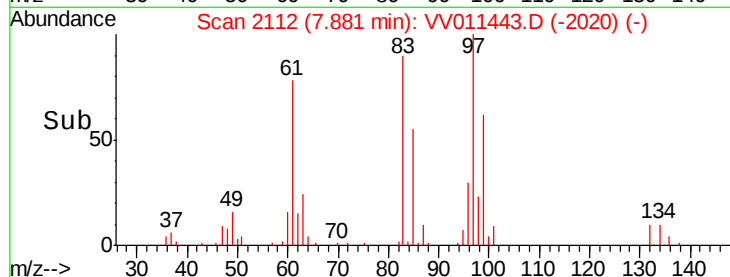
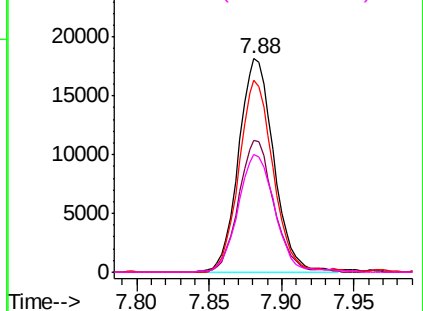
#45
 1,1,2-Trichloroethane
 Concen: 5.368 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV011443.D
 Acq: 13 Jun 2019 02:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00550

Tgt Ion:	97	Resp:	30780
Ion	Ratio	Lower	Upper
97	100		
99	62.0	42.1	78.3
83	89.8	59.4	110.2
85	55.3	39.7	73.7

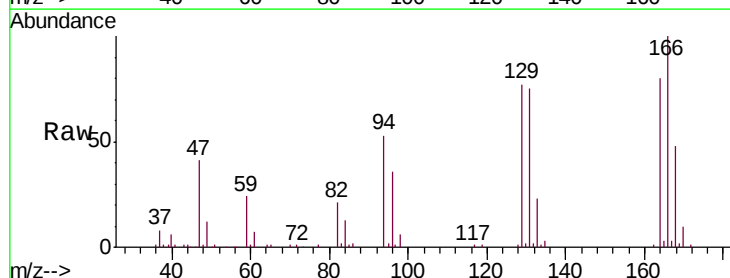


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

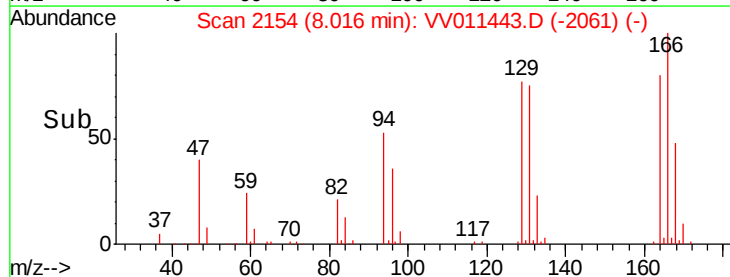
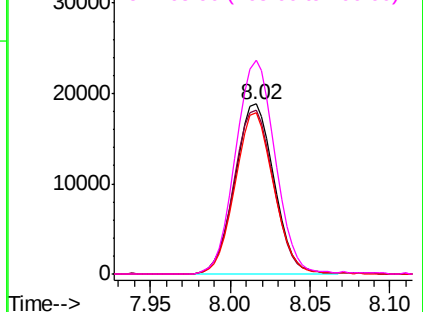


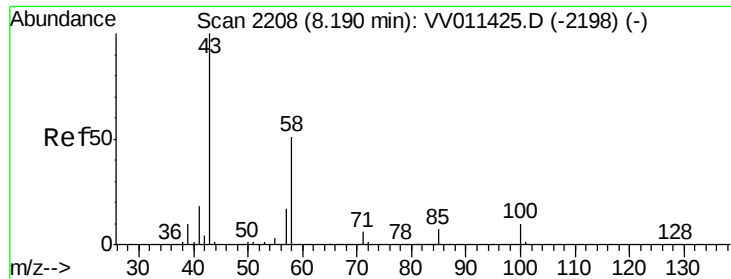
#47
 Tetrachloroethene
 Concen: 4.679 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV011443.D
 Acq: 13 Jun 2019 02:52

Tgt Ion:	164	Resp:	31441
Ion	Ratio	Lower	Upper
164	100		
129	96.4	69.9	129.9
131	94.6	66.8	124.2
166	125.7	90.2	167.6



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

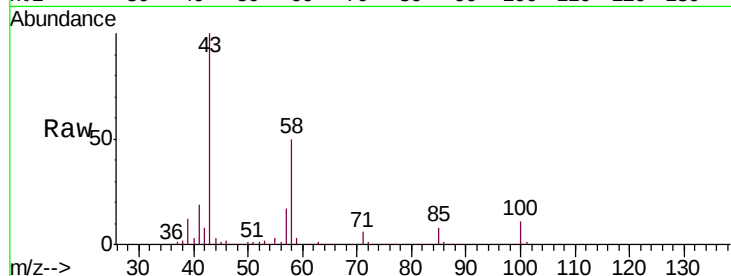




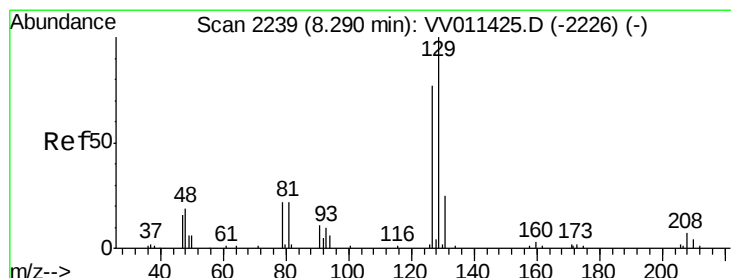
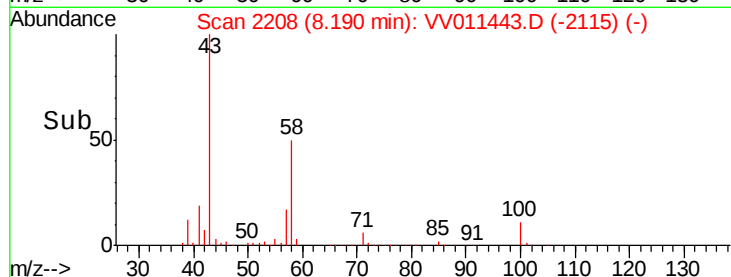
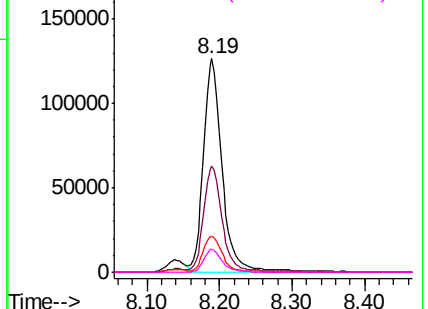
#48
2-Hexanone
Concen: 56.768 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VV011443.D
Acq: 13 Jun 2019 02:52

Instrument :
MSVOA_V
ClientSampleId :
VSTD00550

Tgt Ion: 43 Resp: 225833
Ion Ratio Lower Upper
43 100
58 48.8 41.4 62.0
57 17.1 15.0 22.4
100 10.6 9.0 13.4

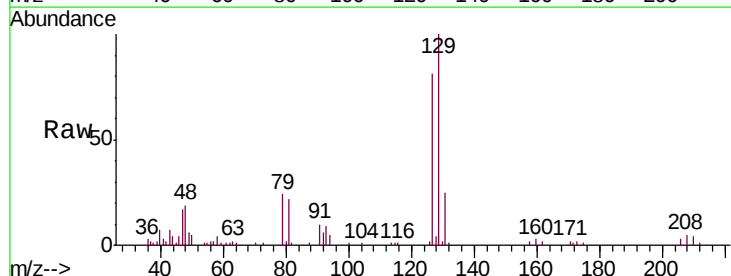


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

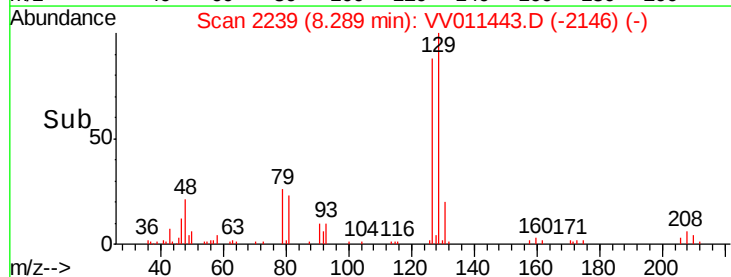
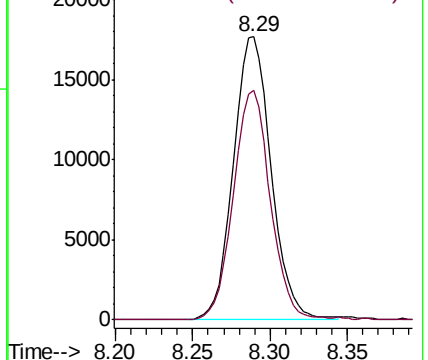


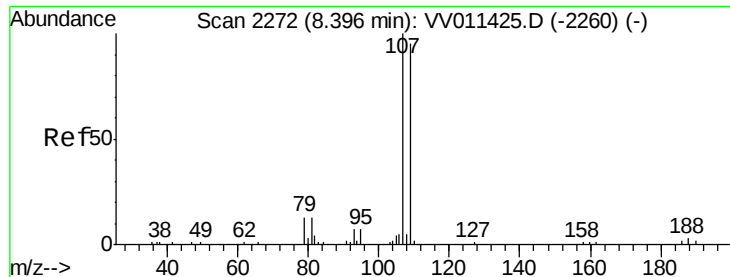
#49
Dibromochloromethane
Concen: 4.616 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV011443.D
Acq: 13 Jun 2019 02:52

Tgt Ion: 129 Resp: 30062
Ion Ratio Lower Upper
129 100
127 80.9 53.7 99.7



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#50

1,2-Dibromoethane

Concen: 5.249 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV011443.D

Acq: 13 Jun 2019 02:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD00550

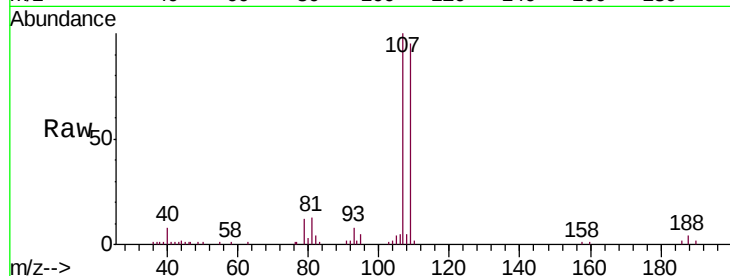
Tgt Ion:107 Resp: 28609

Ion Ratio Lower Upper

107 100

109 94.7 64.5 119.9

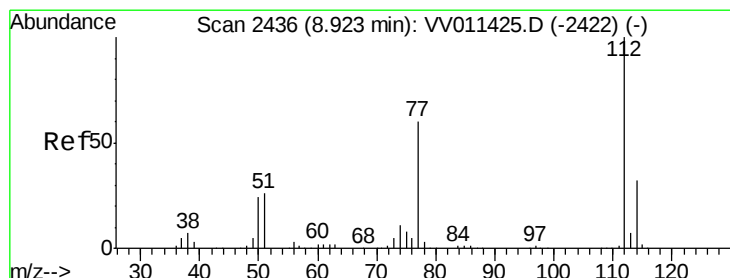
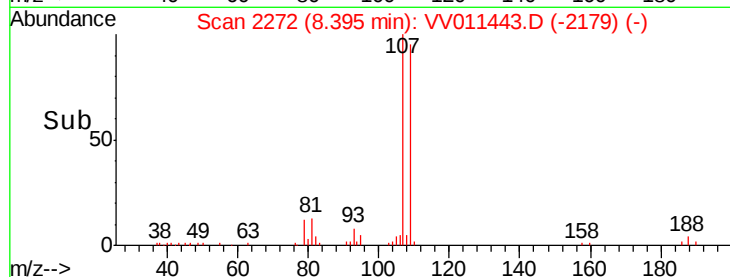
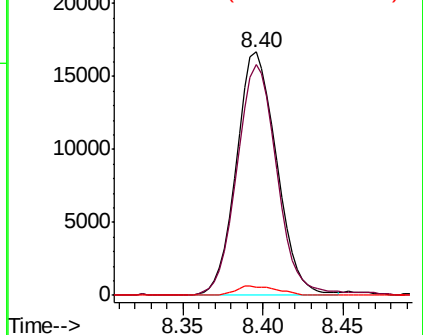
188 3.5 2.7 4.1



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: 4.777 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV011443.D

Acq: 13 Jun 2019 02:52

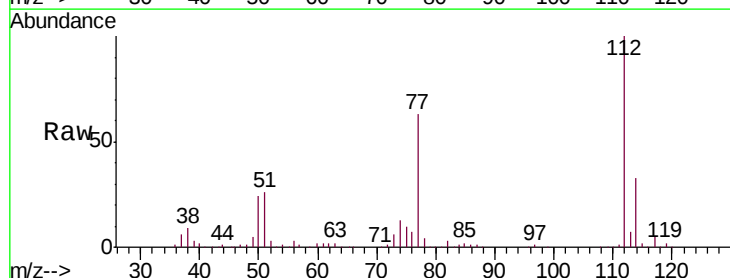
Tgt Ion:112 Resp: 111745

Ion Ratio Lower Upper

112 100

114 32.5 22.6 42.0

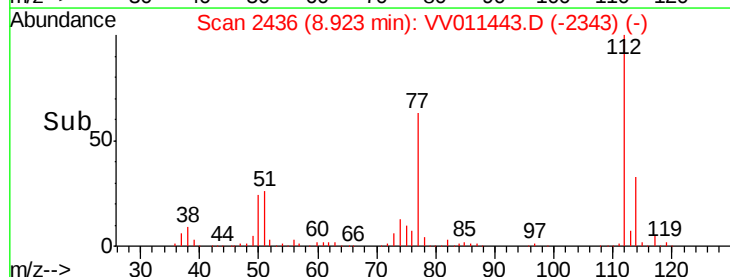
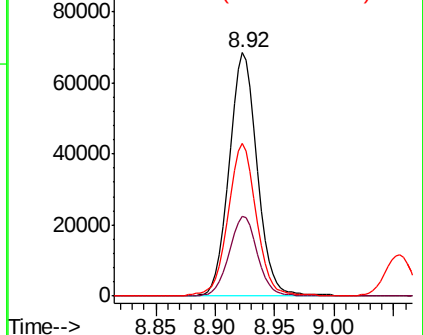
77 62.9 50.1 75.1

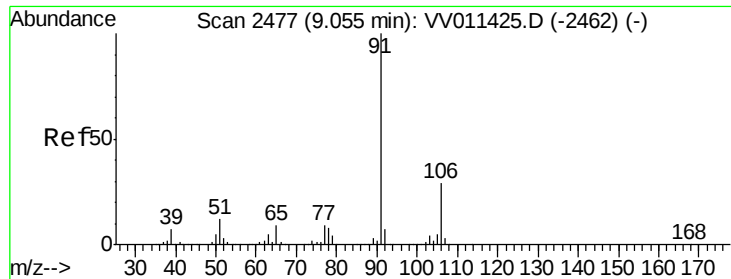


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 4.617 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV011443.D

Acq: 13 Jun 2019 02:52

Instrument :

MSVOA_V

ClientSampleId :

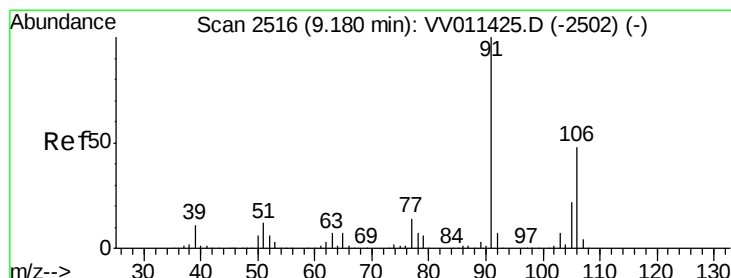
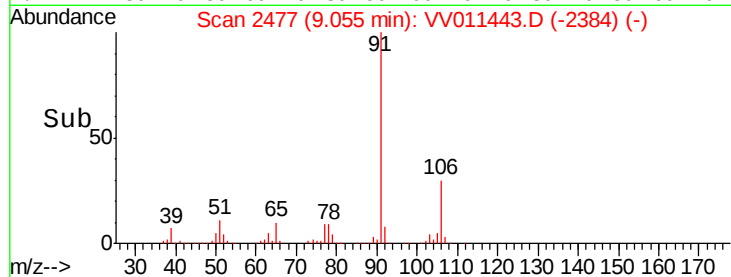
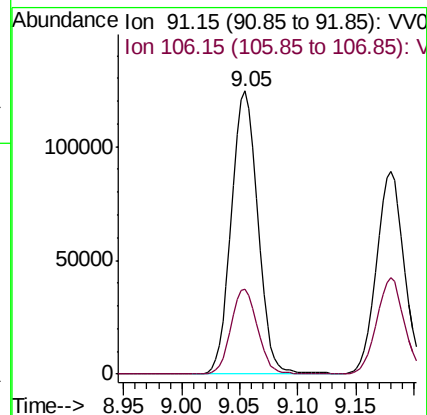
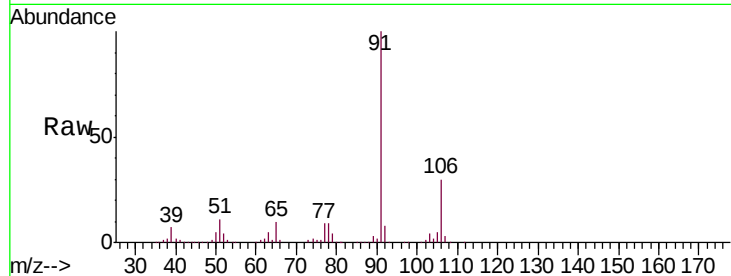
VSTD00550

Tgt Ion: 91 Resp: 196667

Ion Ratio Lower Upper

91 100

106 30.1 21.5 39.9



#53

m,p-xylene

Concen: 4.476 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV011443.D

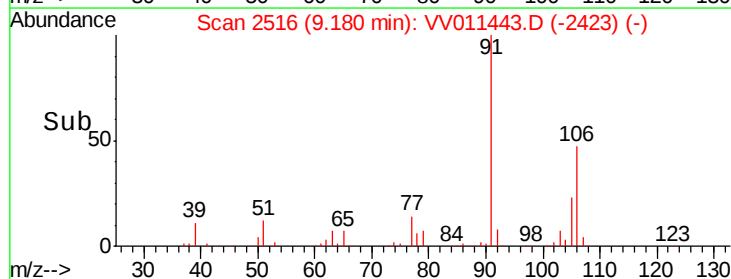
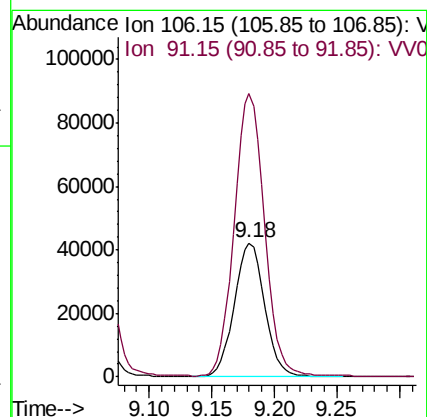
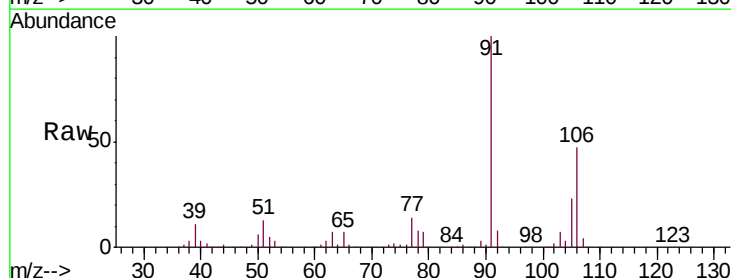
Acq: 13 Jun 2019 02:52

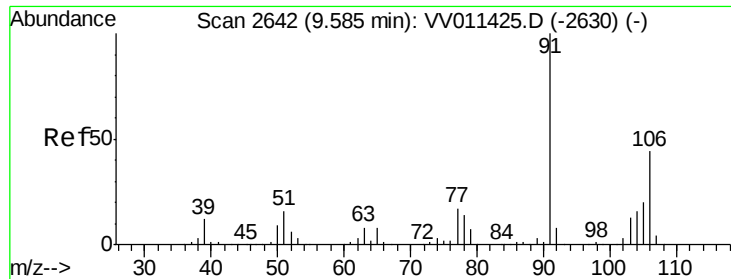
Tgt Ion: 106 Resp: 70507

Ion Ratio Lower Upper

106 100

91 210.9 145.5 270.3





#54

o-xylene

Concen: 4.709 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV011443.D

Acq: 13 Jun 2019 02:52

Instrument :

MSVOA_V

ClientSampleId :

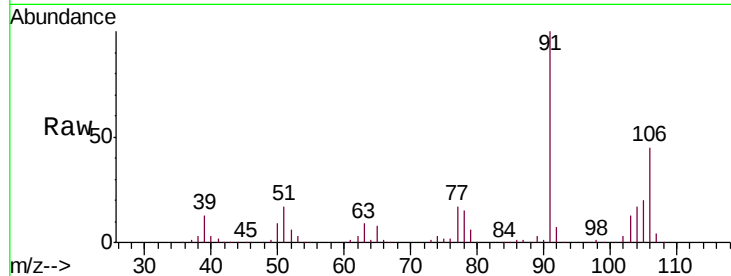
VSTD00550

Tgt Ion:106 Resp: 72804

Ion Ratio Lower Upper

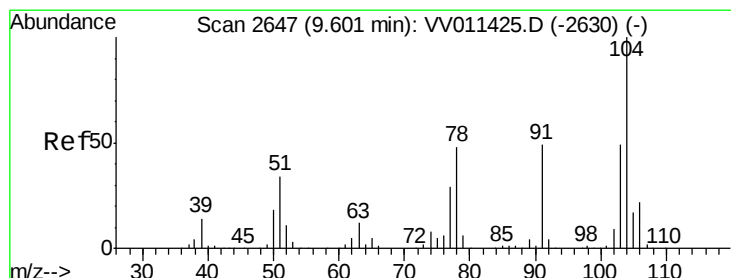
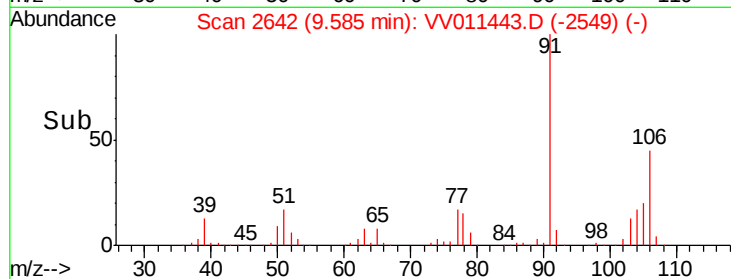
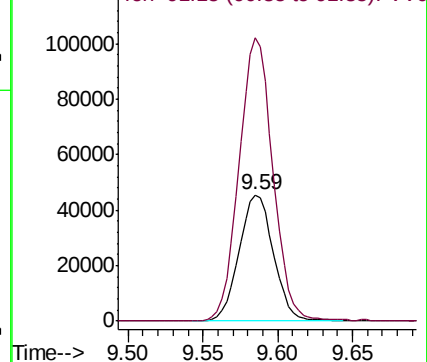
106 100

91 224.1 155.4 288.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 4.733 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. -0.00 min

Lab File: VV011443.D

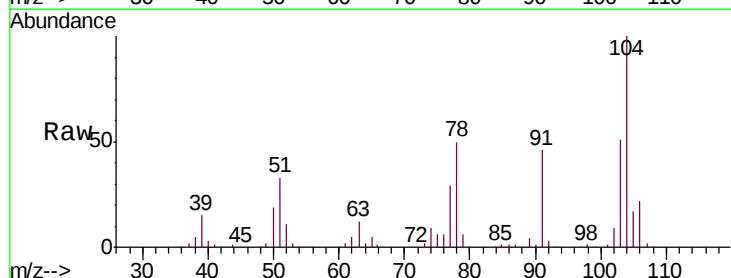
Acq: 13 Jun 2019 02:52

Tgt Ion:104 Resp: 119169

Ion Ratio Lower Upper

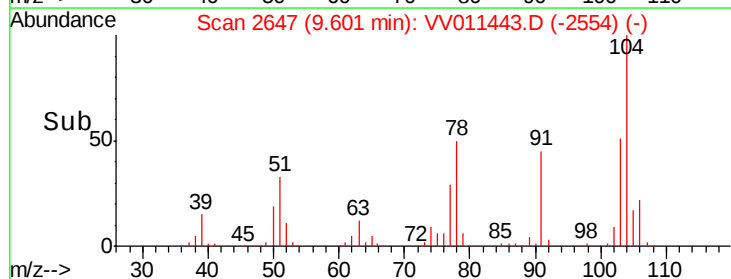
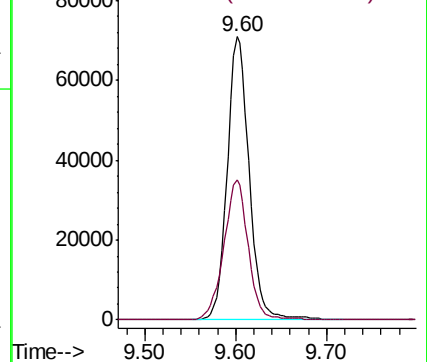
104 100

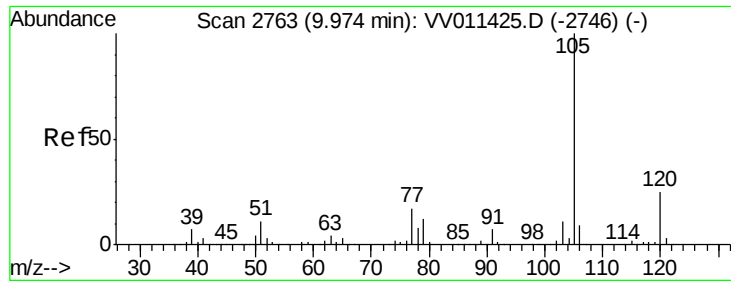
78 49.7 32.4 60.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

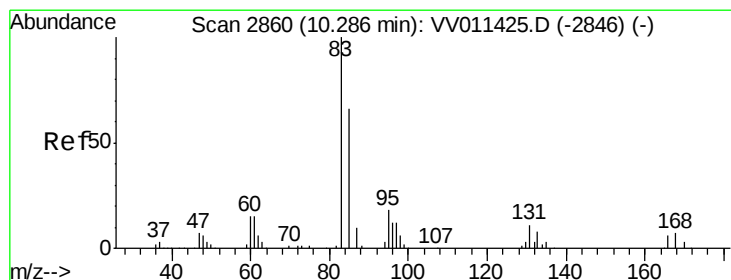
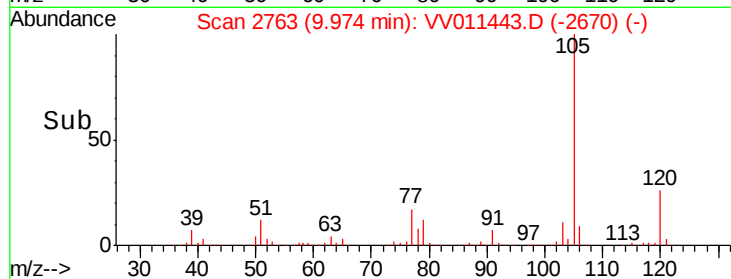
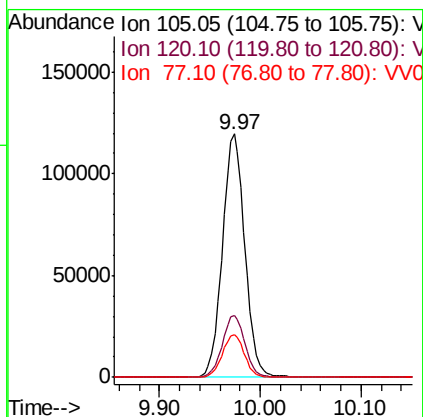
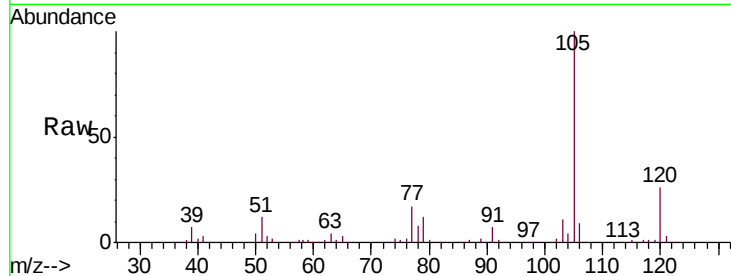




#56
Isopropylbenzene
Concen: 4.463 ug/L
RT: 9.97 min Scan# 2763
Delta R.T. -0.00 min
Lab File: VV011443.D
Acq: 13 Jun 2019 02:52

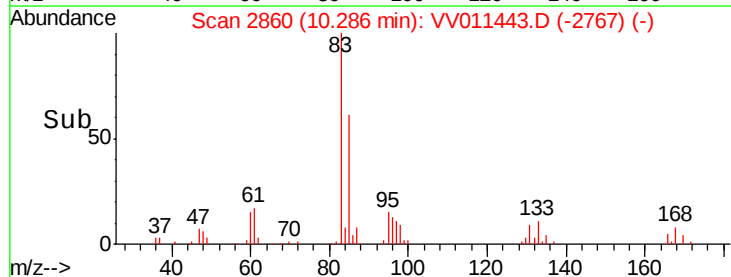
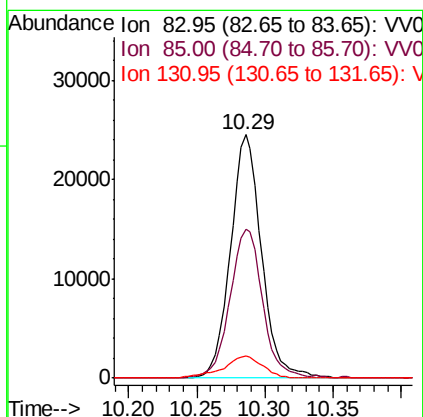
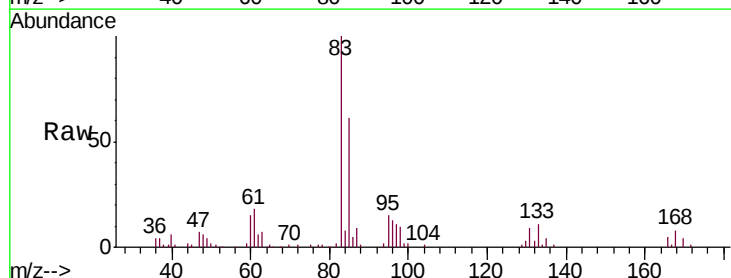
Instrument :
MSVOA_V
ClientSampleId :
VSTD00550

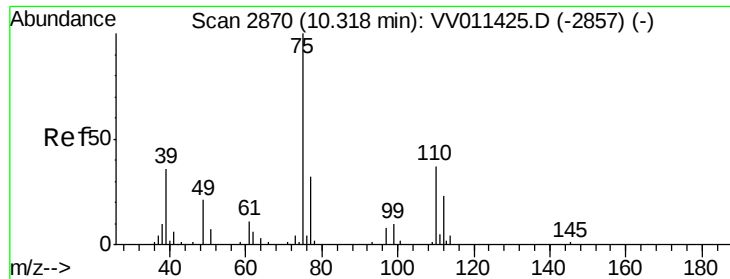
Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.9	31.3
77	17.3	13.8	20.6



#58
1,1,2,2-Tetrachloroethane
Concen: 5.560 ug/L
RT: 10.29 min Scan# 2860
Delta R.T. -0.00 min
Lab File: VV011443.D
Acq: 13 Jun 2019 02:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.2	43.5	80.9
131	8.9	7.5	11.3





#59

1,2,3-Trichloropropane

Concen: 5.479 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VV011443.D

Acq: 13 Jun 2019 02:52

Instrument :

MSVOA_V

ClientSampleId :

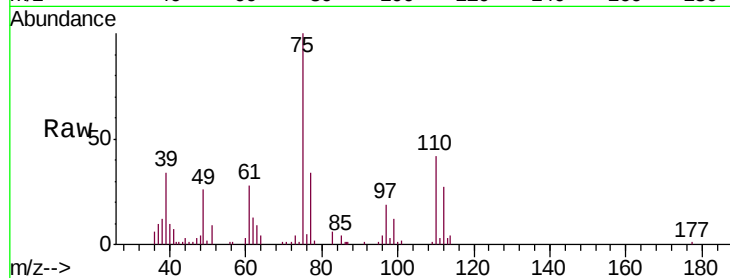
VSTD00550

Tgt Ion: 75 Resp: 28624

Ion Ratio Lower Upper

75 100

77 32.5 26.7 40.1



Abundance Ion 75.00 (74.70 to 75.70): VV011425.D (-2857) (-)

Ion 77.00 (76.70 to 77.70): VV011425.D (-2857) (-)

10.32

15000

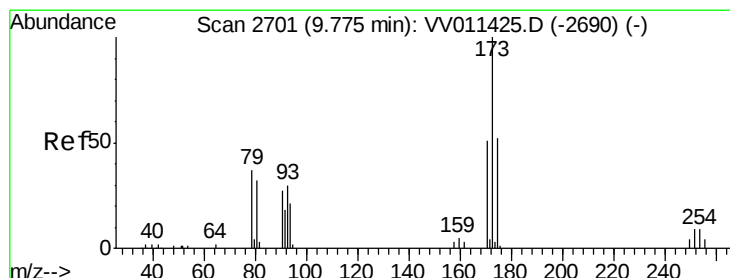
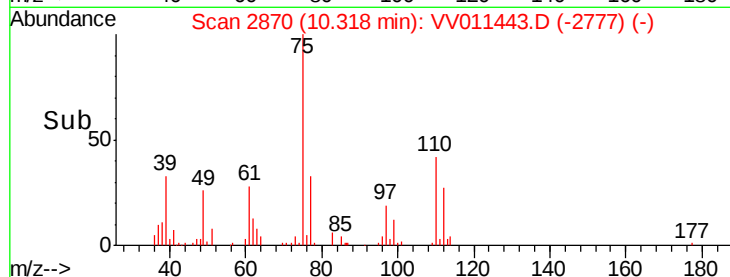
10000

5000

0

Time-->

10.25 10.30 10.35 10.40



#61

Bromoform

Concen: 4.656 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV011443.D

Acq: 13 Jun 2019 02:52

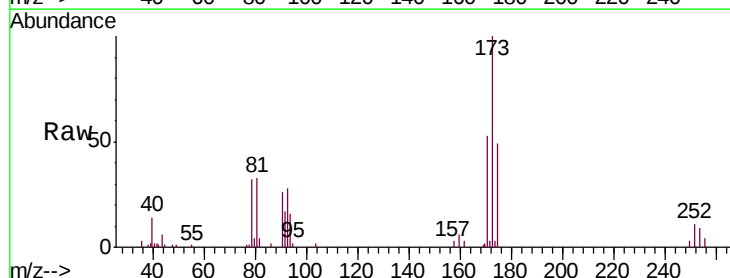
Tgt Ion: 173 Resp: 13628

Ion Ratio Lower Upper

173 100

175 48.3 37.0 55.4

254 9.1 6.9 10.3



Abundance Ion 172.90 (172.60 to 173.60): VV011425.D (-2690) (-)

Ion 174.90 (174.60 to 175.60): VV011425.D (-2690) (-)

Ion 253.75 (253.45 to 254.45): VV011425.D (-2690) (-)

9.77

10000

8000

6000

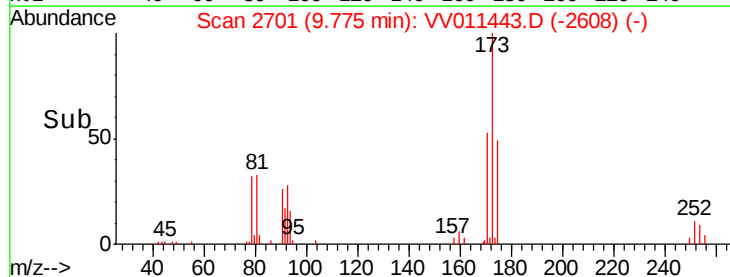
4000

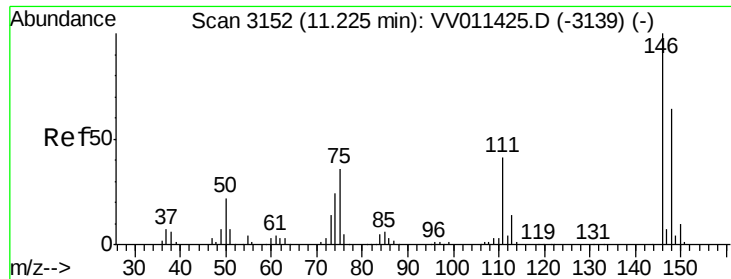
2000

0

Time-->

9.70 9.75 9.80 9.85





#62

1,3-Dichlorobenzene

Concen: 4.708 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. -0.00 min

Lab File: VV011443.D

Acq: 13 Jun 2019 02:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD00550

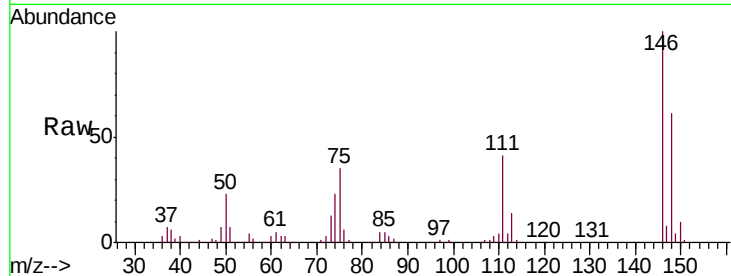
Tgt Ion:146 Resp: 75855

Ion Ratio Lower Upper

146 100

111 41.4 29.0 53.9

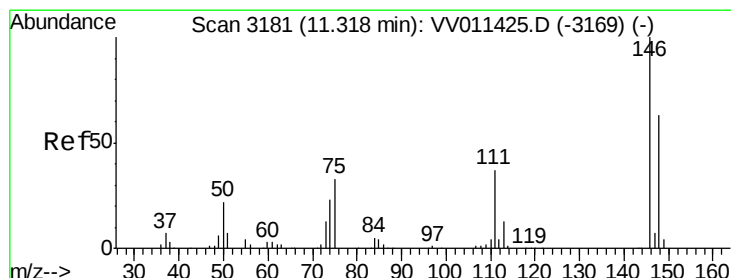
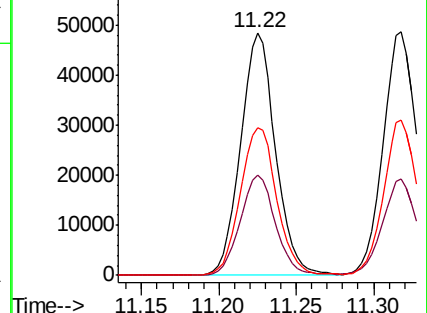
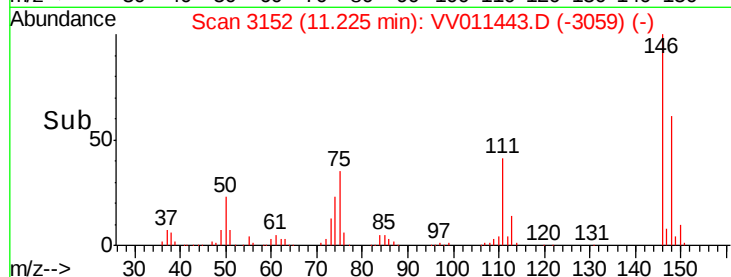
148 61.0 44.0 81.8



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: 4.863 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VV011443.D

Acq: 13 Jun 2019 02:52

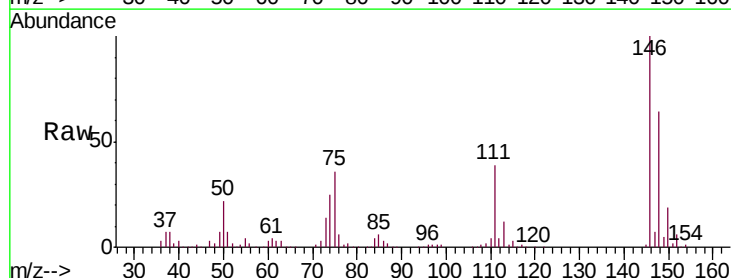
Tgt Ion:146 Resp: 76049

Ion Ratio Lower Upper

146 100

111 39.4 28.3 52.5

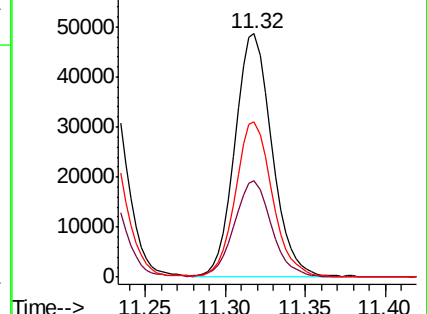
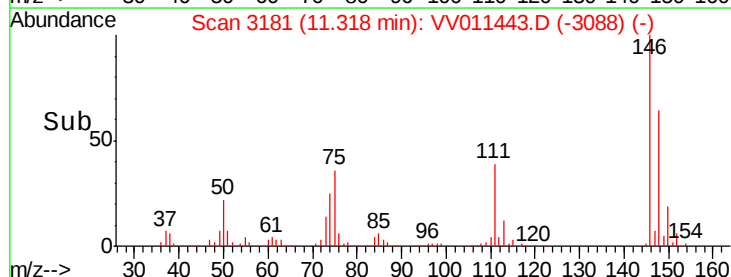
148 63.6 44.6 82.8

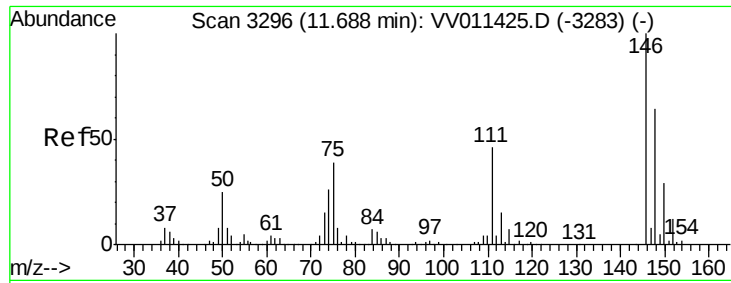


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.056 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV011443.D

Acq: 13 Jun 2019 02:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD00550

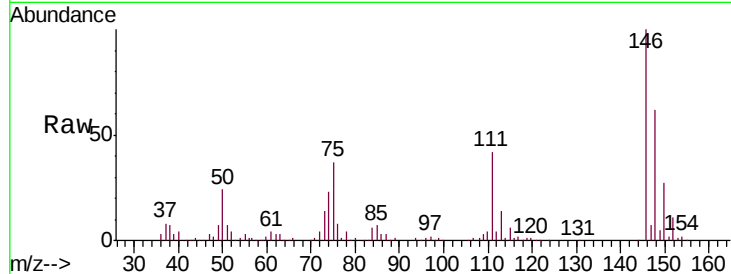
Tgt Ion:146 Resp: 75288

Ion Ratio Lower Upper

146 100

111 42.5 33.9 50.9

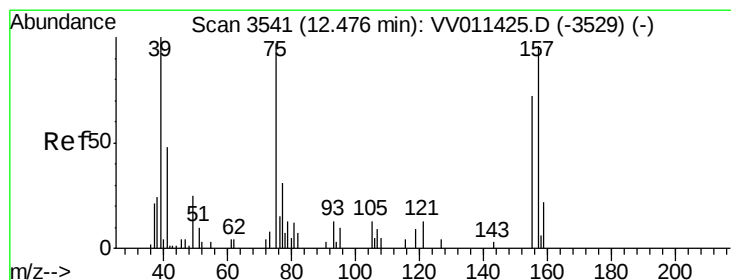
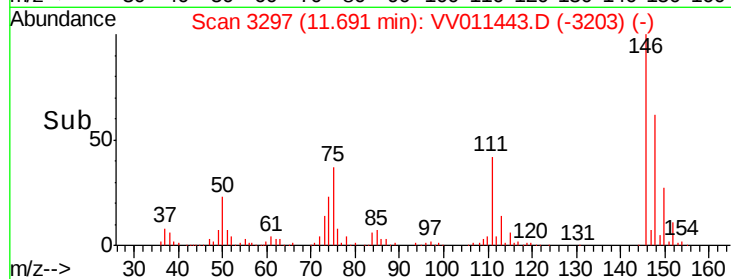
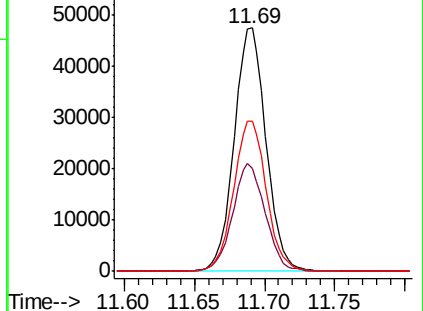
148 61.7 50.3 75.5



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



#66

1,2-Dibromo-3-chloropropane

Concen: 4.510 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV011443.D

Acq: 13 Jun 2019 02:52

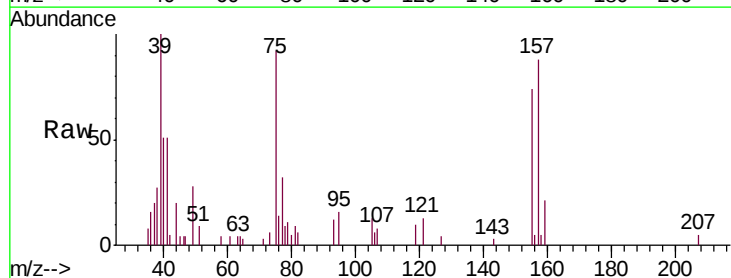
Tgt Ion: 75 Resp: 4813

Ion Ratio Lower Upper

75 100

155 79.9 64.4 96.6

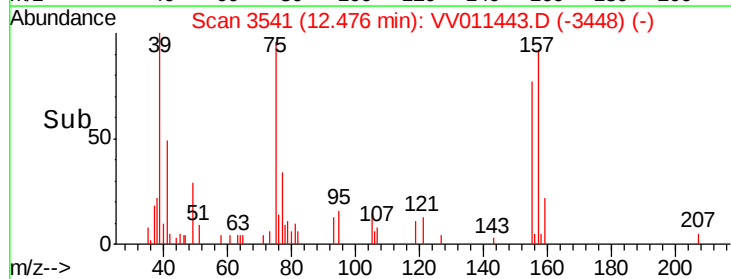
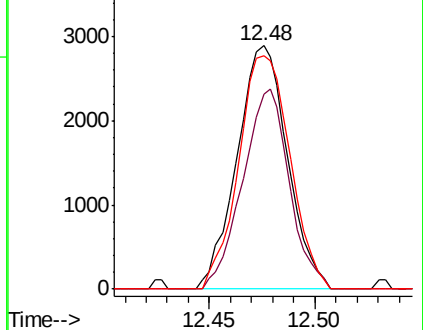
157 95.8 66.7 100.1

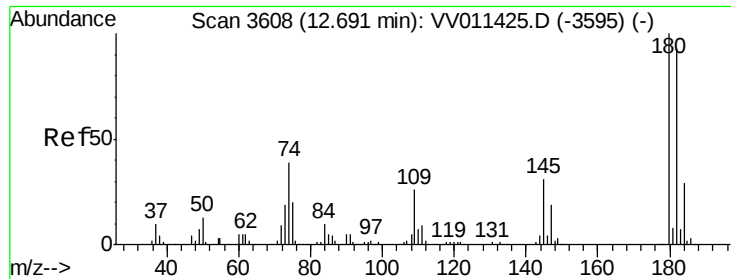


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V





#67

1,3,5-Trichlorobenzene

Concen: 4.613 ug/L

RT: 12.69 min Scan# 3608

Delta R.T. -0.00 min

Lab File: VV011443.D

Acq: 13 Jun 2019 02:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD00550

Tgt Ion:180 Resp: 53464

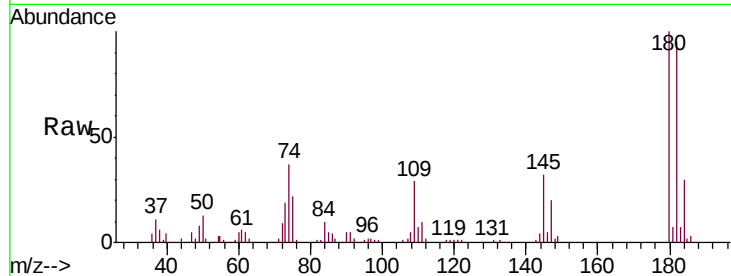
Ion Ratio Lower Upper

180 100

182 95.2 76.7 115.1

184 29.9 23.8 35.8

145 31.5 24.2 36.2

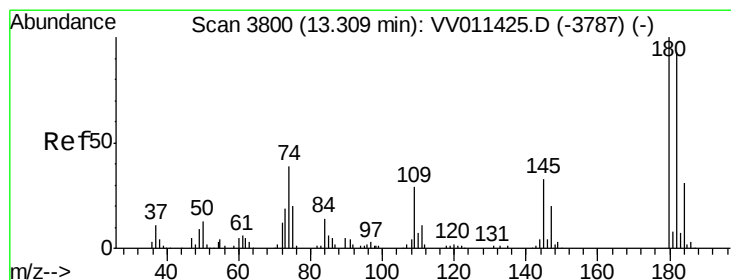
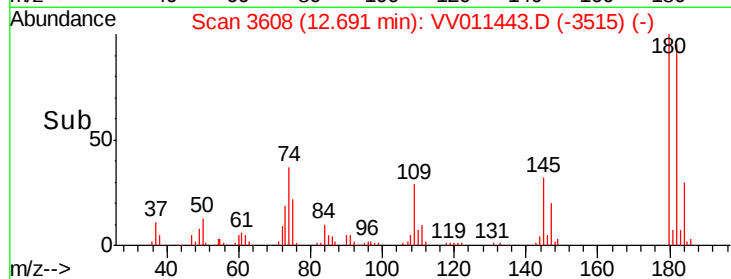
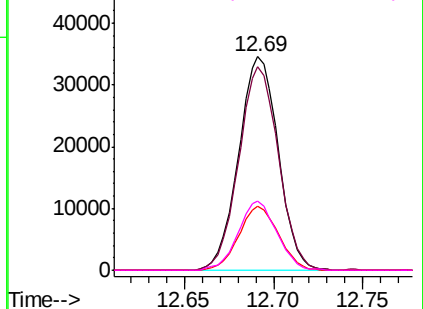


Abundance Ion 180.00 (179.70 to 180.70): V

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: 4.508 ug/L

RT: 13.31 min Scan# 3800

Delta R.T. -0.00 min

Lab File: VV011443.D

Acq: 13 Jun 2019 02:52

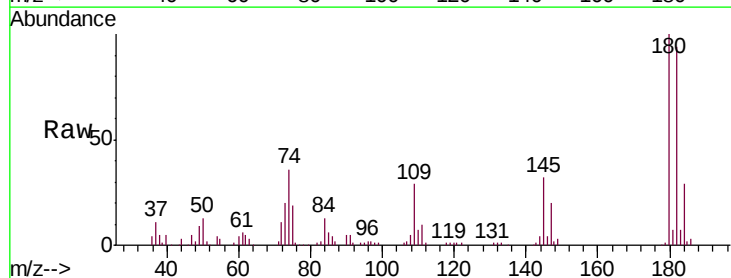
Tgt Ion:180 Resp: 39666

Ion Ratio Lower Upper

180 100

182 96.2 78.8 118.2

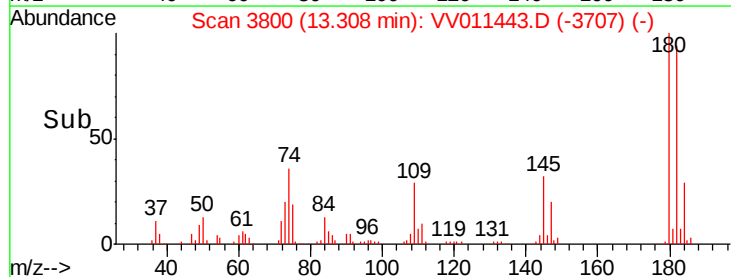
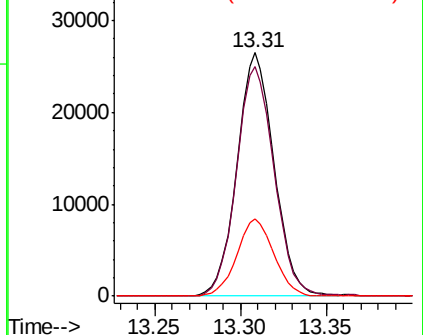
145 31.6 26.3 39.5

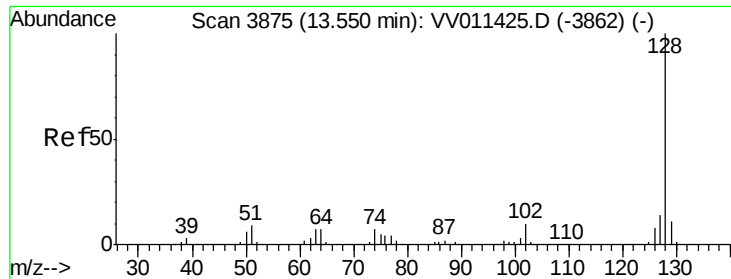


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.760 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV011443.D

Acq: 13 Jun 2019 02:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD00550

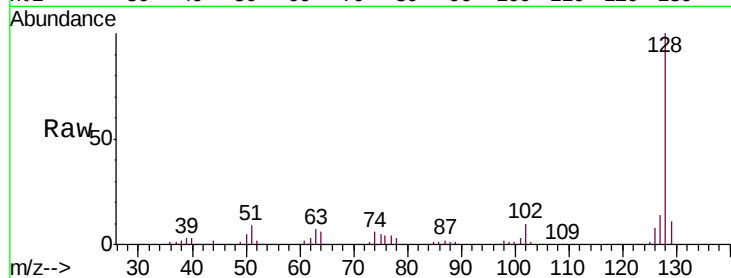
Tgt Ion:128 Resp: 68557

Ion Ratio Lower Upper

128 100

129 10.4 8.9 13.3

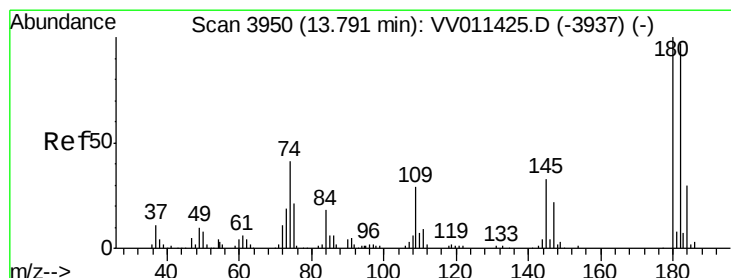
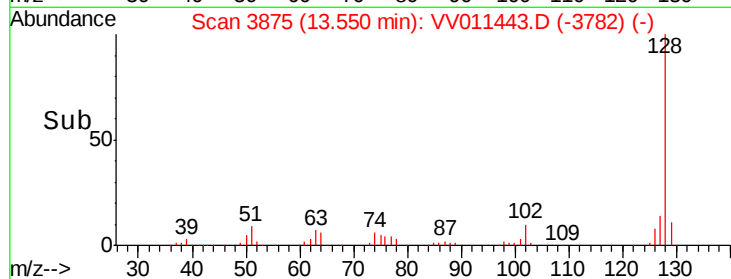
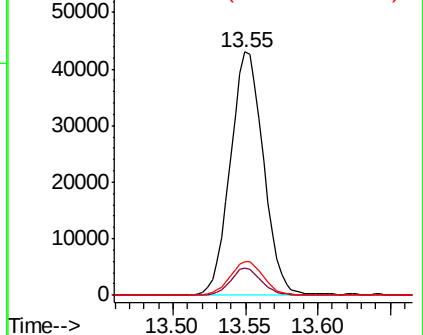
127 13.9 10.5 15.7



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: 4.713 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV011443.D

Acq: 13 Jun 2019 02:52

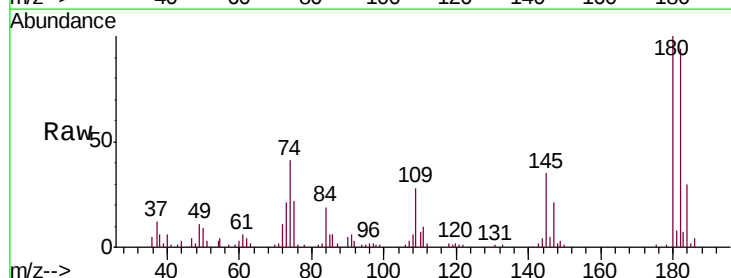
Tgt Ion:180 Resp: 37191

Ion Ratio Lower Upper

180 100

182 93.8 78.6 117.8

145 35.7 26.9 40.3



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

