

Data File : VV009774.D
Acq On : 19 Mar 2019 10:59
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05086

Quant Time: Mar 20 05:16:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031719WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 18 12:32:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	162727	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	158859	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	73296	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	43878	39.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.98%
7) Chloroethane-d5	1.57	69	36346	44.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.80%
11) 1,1-Dichloroethene-d2	2.13	63	100180	42.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.76%
21) 2-Butanone-d5	3.93	46	62504	95.64	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.64%
24) Chloroform-d	4.40	84	90105	44.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.40%
26) 1,2-Dichloroethane-d4	5.08	65	54220	44.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.64%
32) Benzene-d6	5.10	84	183012	44.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.18%
36) 1,2-Dichloropropane-d6	6.12	67	57039	45.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.26%
41) Toluene-d8	7.36	98	176571	44.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.42%
43) trans-1,3-Dichloropropene-	7.66	79	26983	45.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.30%
47) 2-Hexanone-d5	8.13	63	45522	88.50	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.50%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	83834	43.73	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.46%
64) 1,2-Dichlorobenzene-d4	11.67	152	67276	45.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.72%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	56168	46.599	ug/L 98
3) Chloromethane	1.25	50	49464	43.974	ug/L 96
5) Vinyl chloride	1.32	62	54936	45.478	ug/L 100
6) Bromomethane	1.51	94	32677	50.796	ug/L 98
8) Chloroethane	1.59	64	33502	45.624	ug/L 94
9) Trichlorofluoromethane	1.76	101	94656	46.800	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	52612	47.002	ug/L 98
12) 1,1-Dichloroethene	2.14	96	44901	46.283	ug/L 97
13) Acetone	2.19	43	65220	105.366	ug/L 98
14) Carbon disulfide	2.32	76	133592	47.223	ug/L 99
15) Methyl Acetate	2.46	43	44897	43.011	ug/L 96
16) Methylene chloride	2.53	84	51118	45.353	ug/L 97
17) trans-1,2-Dichloroethene	2.79	96	49575	47.713	ug/L 95
18) Methyl tert-butyl Ether	2.80	73	153009	46.592	ug/L 99
19) 1,1-Dichloroethane	3.23	63	84403	46.315	ug/L 99
20) cis-1,2-Dichloroethene	3.96	96	55302	46.486	ug/L 95
22) 2-Butanone	4.01	43	73832	94.514	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	27854	46.263	ug/L	96
25) Chloroform	4.42	83	91779	45.677	ug/L	96
27) 1,2-Dichloroethane	5.18	62	67229	44.967	ug/L	99
29) Cyclohexane	4.72	56	77732	45.722	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	81875	47.358	ug/L	99
31) Carbon tetrachloride	4.87	117	70065	49.057	ug/L	97
33) Benzene	5.14	78	199370	45.981	ug/L	100
34) Trichloroethene	5.96	95	53127	47.008	ug/L	98
35) Methylcyclohexane	6.17	83	87776	47.193	ug/L	98
37) 1,2-Dichloropropane	6.22	63	51659	46.720	ug/L	98
38) Bromodichloromethane	6.55	83	69416	47.775	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	82715	48.971	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	128843	88.744	ug/L	99
42) Toluene	7.43	91	227859	47.155	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	74735	46.724	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	53161	46.480	ug/L	99
46) Tetrachloroethene	8.02	164	43438	46.043	ug/L	95
48) 2-Hexanone	8.18	43	99663	92.220	ug/L	97
49) Dibromochloromethane	8.29	129	59450	48.452	ug/L	97
50) 1,2-Dibromoethane	8.40	107	55043	46.155	ug/L	99
51) Chlorobenzene	8.93	112	152537	47.017	ug/L	97
52) Ethylbenzene	9.05	91	255739	46.663	ug/L	100
53) m,p-Xylene	9.18	106	99158	46.832	ug/L	100
54) o-Xylene	9.59	106	96728	45.430	ug/L	96
55) Styrene	9.60	104	159525	45.967	ug/L	95
56) Isopropylbenzene	9.97	105	252685	45.608	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	87940	44.245	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	63858	43.894	ug/L	98
61) Bromoform	9.77	173	40523	46.511	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	113680	47.276	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	113627	46.839	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	113876	46.413	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	15222	44.665	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	76750	50.187	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	57158	53.327	ug/L	98
69) Naphthalene	13.55	128	151482	49.389	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	58386	54.337	ug/L	98

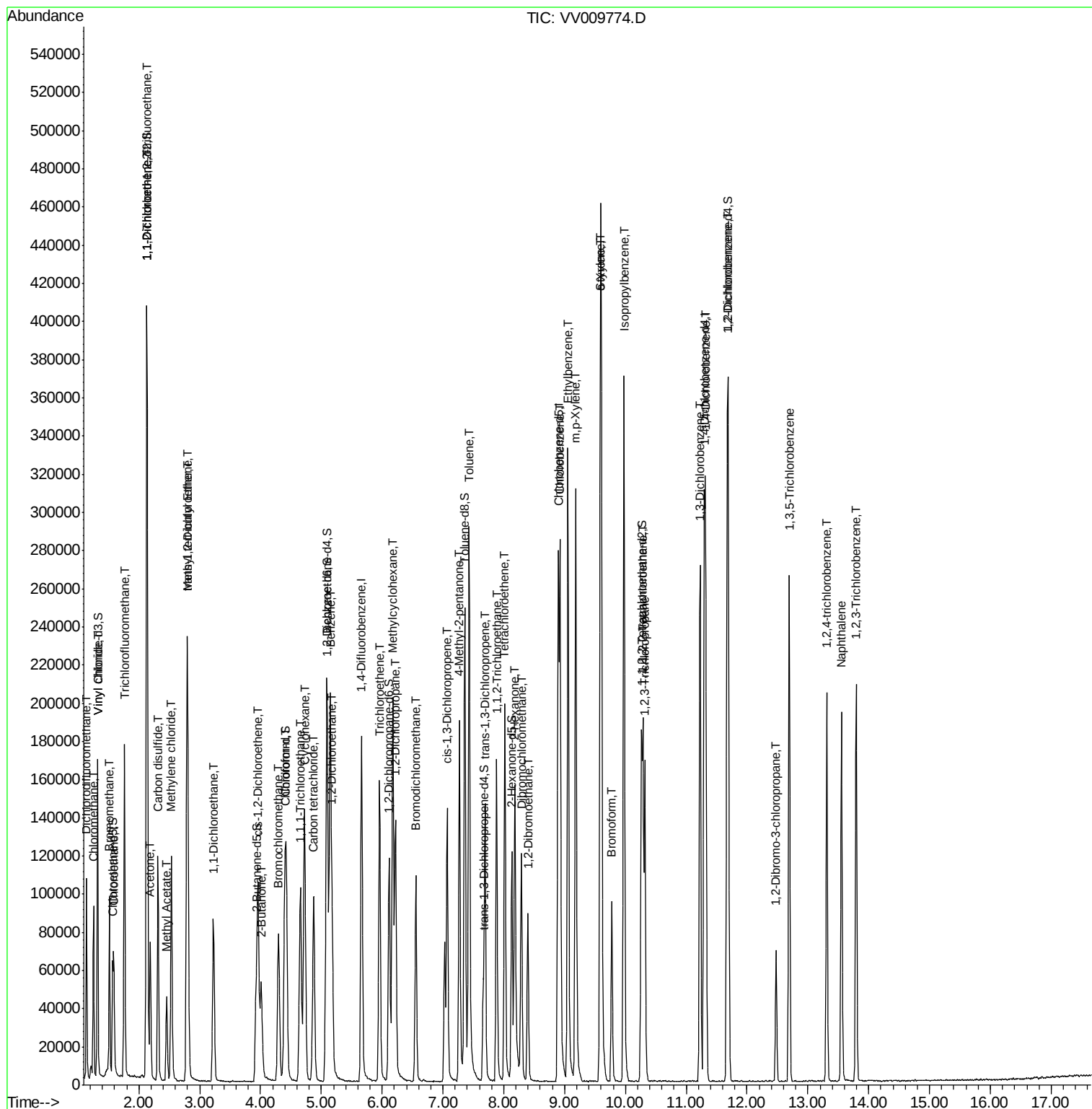
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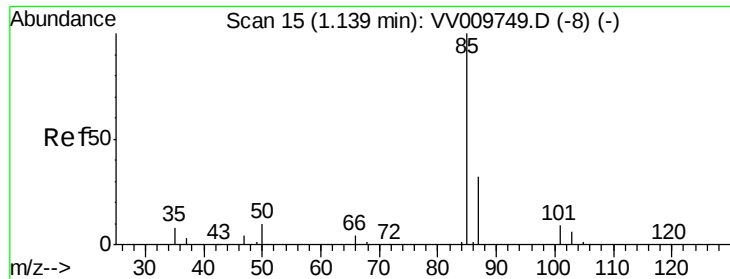
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#2

Dichlorodifluoromethane

Concen: 46.599 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV009774.D

Acq: 19 Mar 2019 10:59

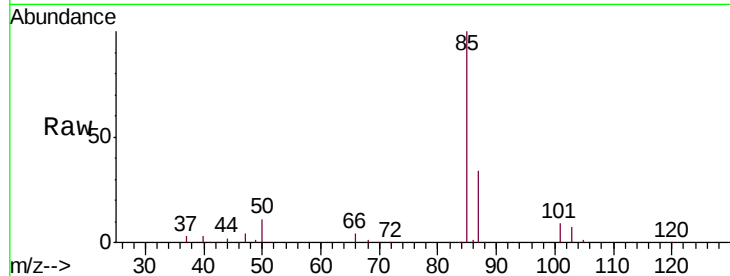
Instrument :
MSVOA_V
ClientSampleId :
VSTD05086

Tgt Ion: 85 Resp: 56168

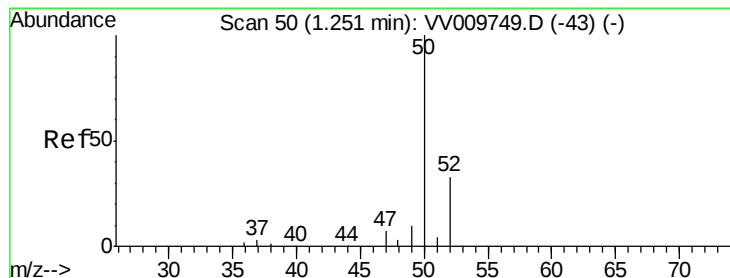
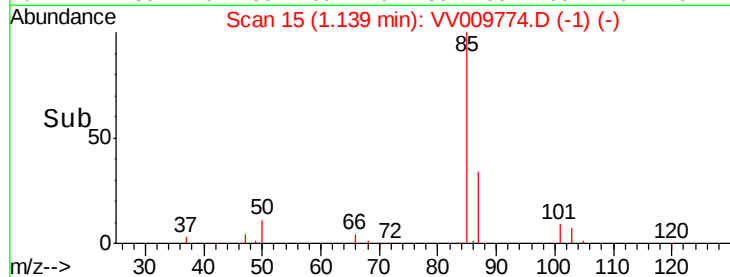
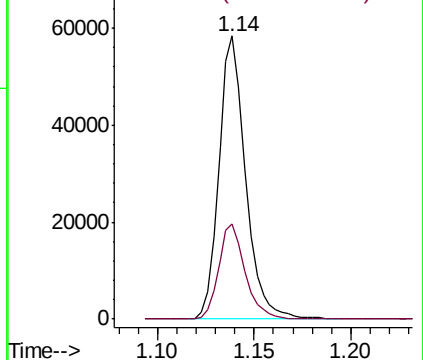
Ion Ratio Lower Upper

85 100

87 33.5 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV009774.D (-8) (-)



#3

Chloromethane

Concen: 43.974 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV009774.D

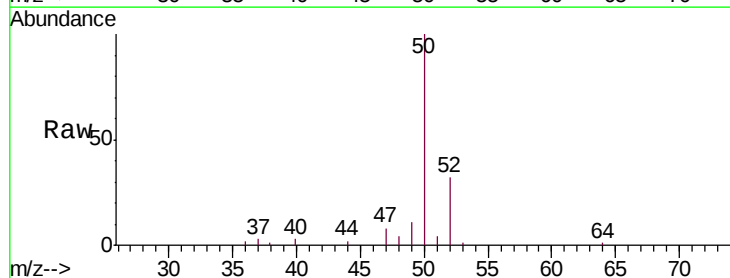
Acq: 19 Mar 2019 10:59

Tgt Ion: 50 Resp: 49464

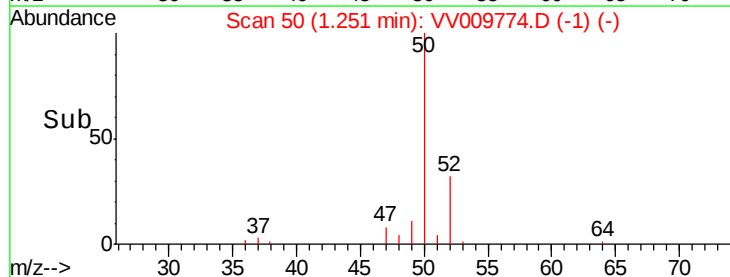
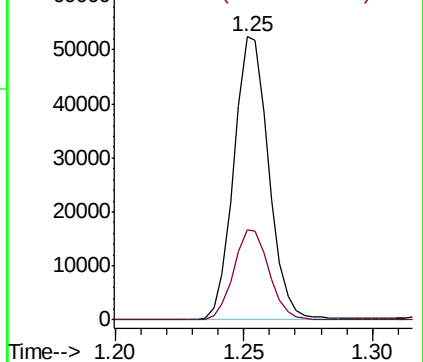
Ion Ratio Lower Upper

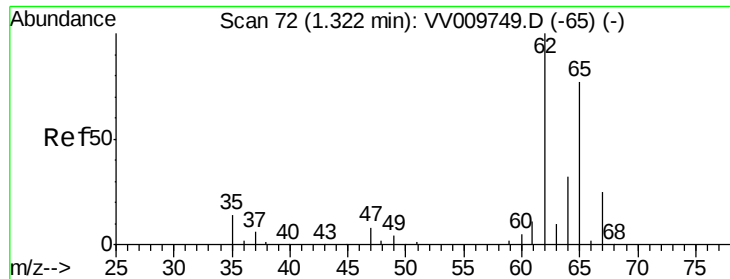
50 100

52 31.8 24.0 44.6



Abundance Ion 50.00 (49.70 to 50.70): VV009774.D (-43) (-)





#5

Vinyl chloride

Concen: 45.478 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV009774.D

Acq: 19 Mar 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

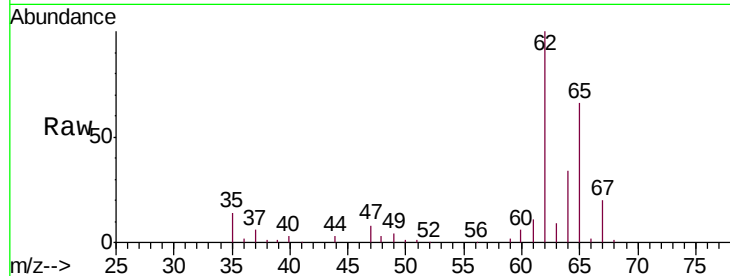
VSTD05086

Tgt Ion: 62 Resp: 54936

Ion Ratio Lower Upper

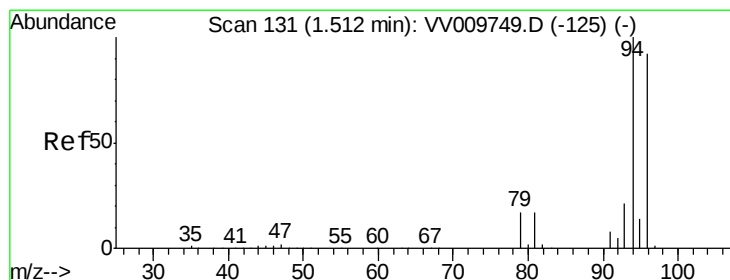
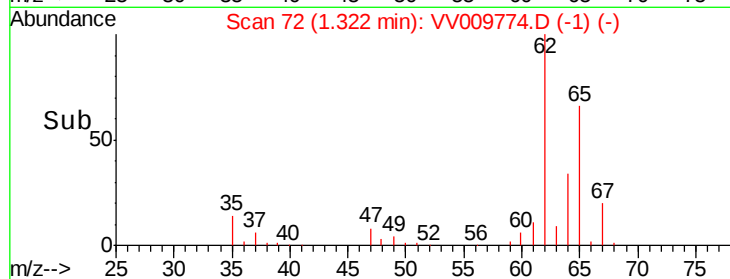
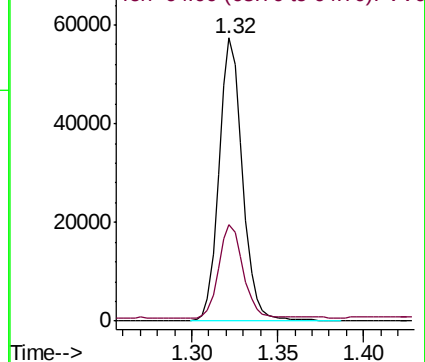
62 100

64 34.3 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 50.796 ug/L

RT: 1.51 min Scan# 132

Delta R.T. 0.00 min

Lab File: VV009774.D

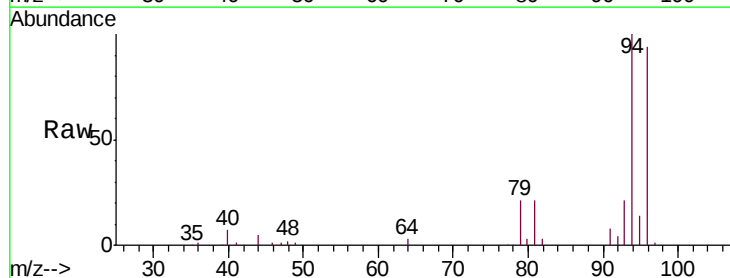
Acq: 19 Mar 2019 10:59

Tgt Ion: 94 Resp: 32677

Ion Ratio Lower Upper

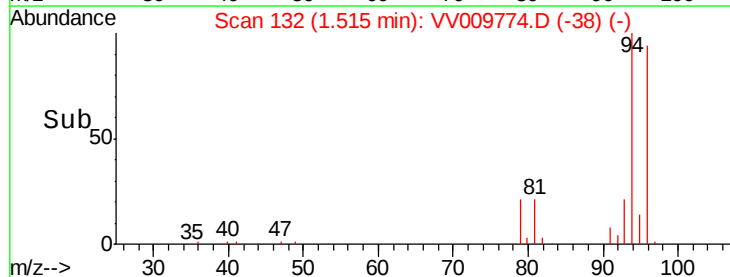
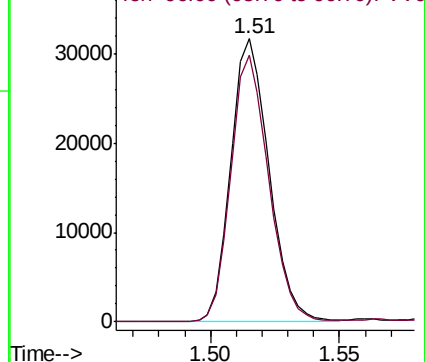
94 100

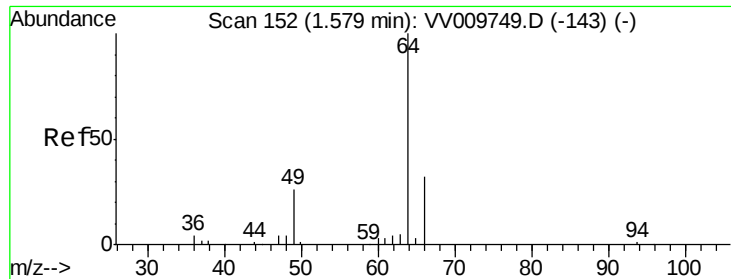
96 94.2 64.6 120.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 45.624 ug/L

RT: 1.59 min Scan# 155

Delta R.T. 0.01 min

Lab File: VV009774.D

Acq: 19 Mar 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

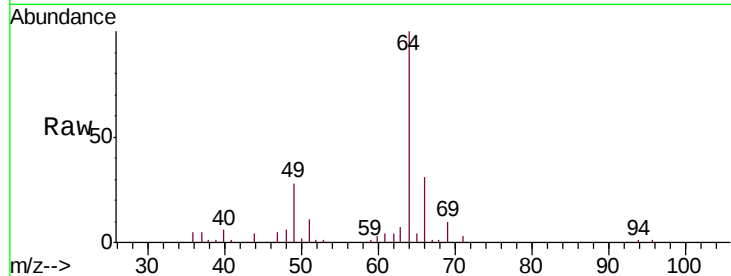
VSTD05086

Tgt Ion: 64 Resp: 33502

Ion Ratio Lower Upper

64 100

66 31.5 24.5 45.5

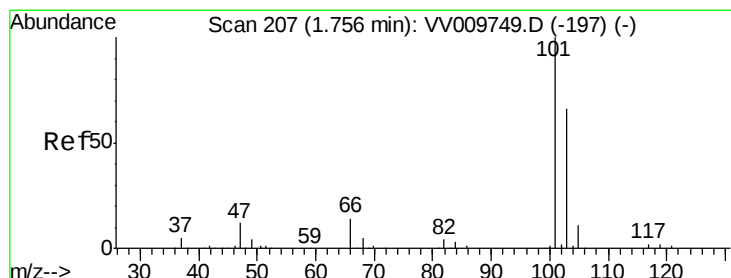
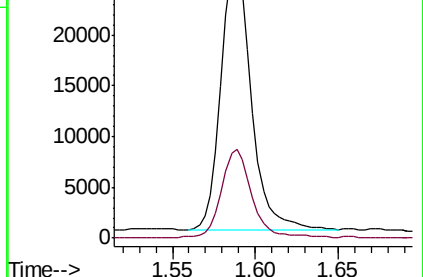
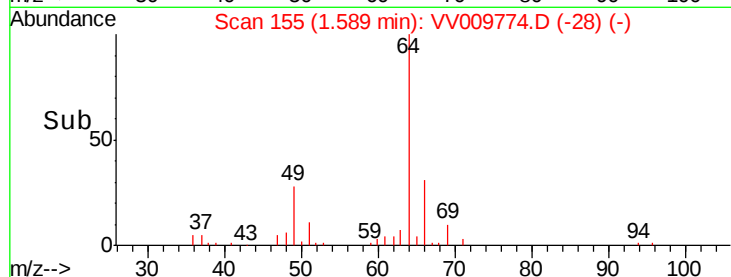


Abundance Ion 64.00 (63.70 to 64.70): VV009774.D (-143) (-)

Ion 66.00 (65.70 to 66.70): VV009774.D (-143) (-)

1.59

Time-->



#9

Trichlorofluoromethane

Concen: 46.800 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.01 min

Lab File: VV009774.D

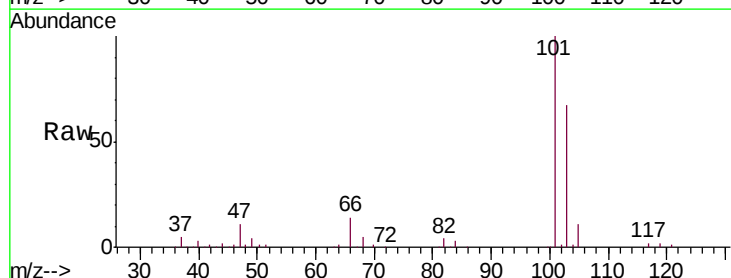
Acq: 19 Mar 2019 10:59

Tgt Ion: 101 Resp: 94656

Ion Ratio Lower Upper

101 100

103 66.6 52.3 78.5

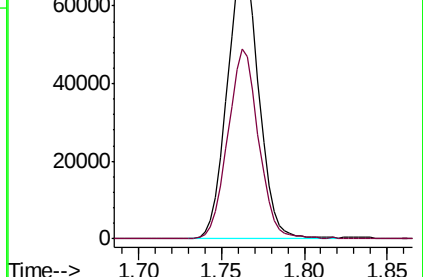
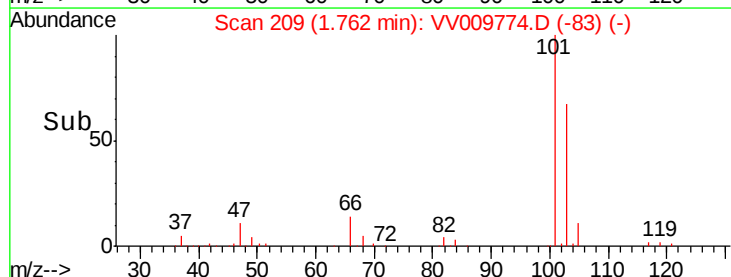


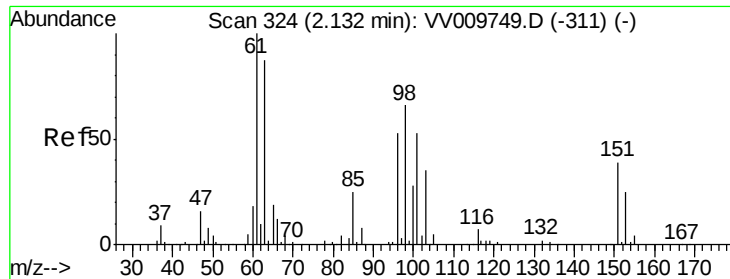
Abundance Ion 101.00 (100.70 to 101.70): VV009774.D (-197) (-)

Ion 103.00 (102.70 to 103.70): VV009774.D (-197) (-)

1.76

Time-->





#10

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

Concen: 47.002 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV009774.D

Acq: 19 Mar 2019 10:59

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ClientSampleId :

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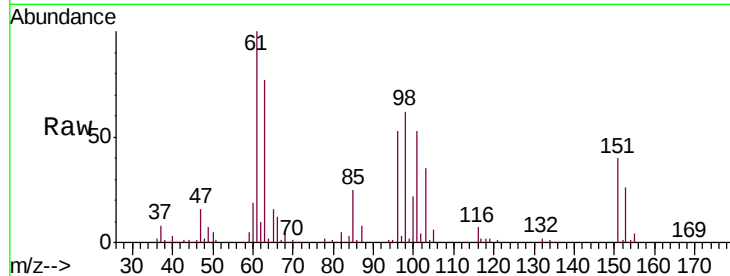
Tgt Ion:101 Resp: 52612

Ion Ratio Lower Upper

101 100

85 46.7 38.5 57.7

151 75.2 58.9 88.3

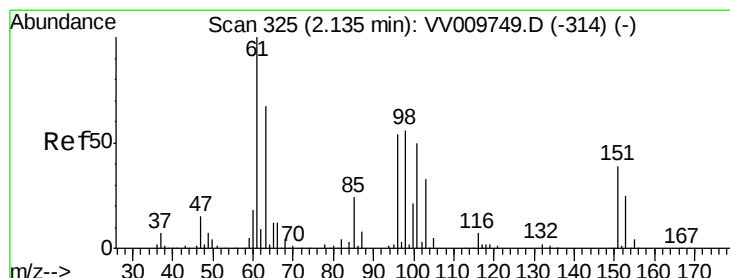
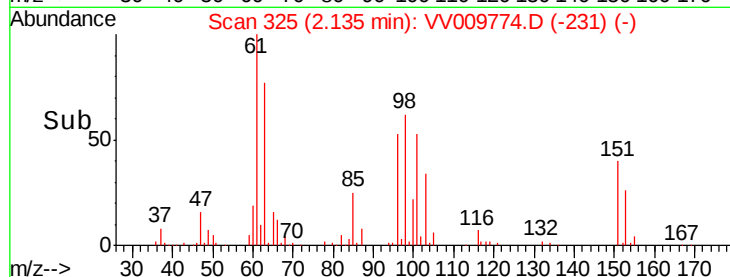


Abundance Ion 101.00 (100.70 to 101.70): VV009774.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV009774.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV009774.D (-311) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 46.283 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009774.D

Acq: 19 Mar 2019 10:59

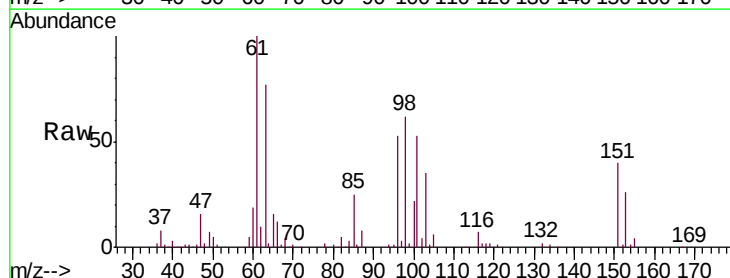
Tgt Ion: 96 Resp: 44901

Ion Ratio Lower Upper

96 100

61 189.7 135.5 251.7

63 146.3 100.2 186.2

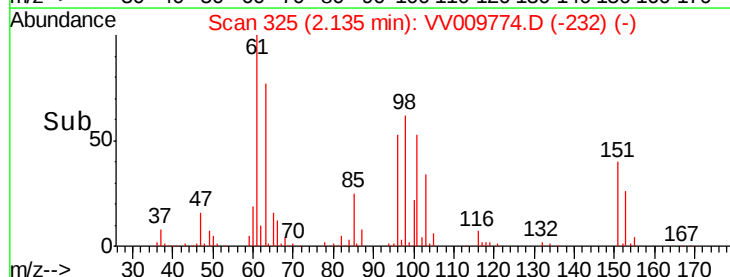


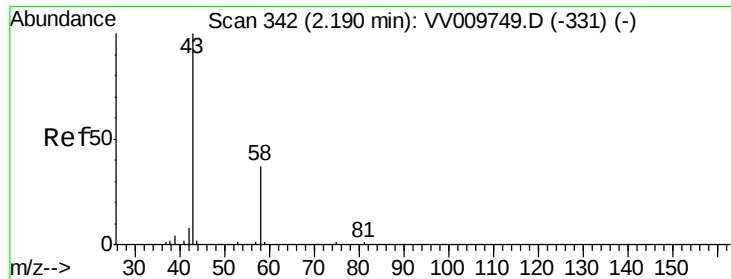
Abundance Ion 96.00 (95.70 to 96.70): VV009774.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV009774.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV009774.D (-231) (-)

Time-->





#13

Acetone

Concen: 105.366 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV009774.D

Acq: 19 Mar 2019 10:59

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ClientSampleId :

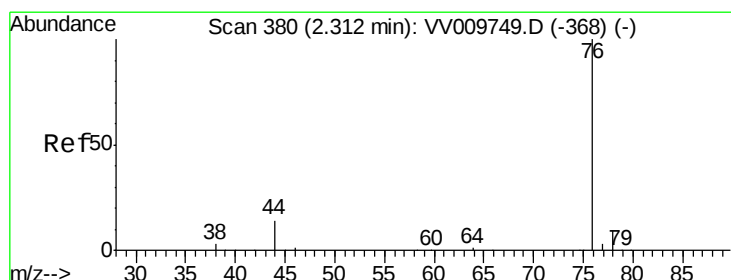
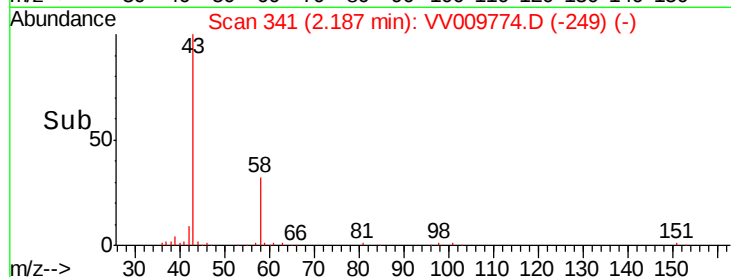
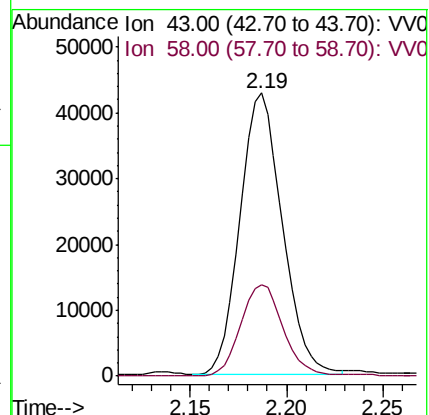
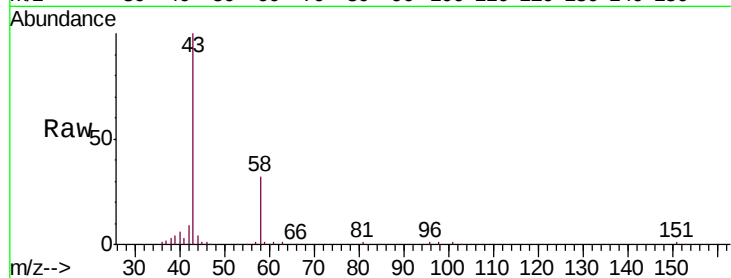
VSTD05086

Tgt Ion: 43 Resp: 65220

Ion Ratio Lower Upper

43 100

58 32.7 0.0 67.8



#14

Carbon disulfide

Concen: 47.223 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV009774.D

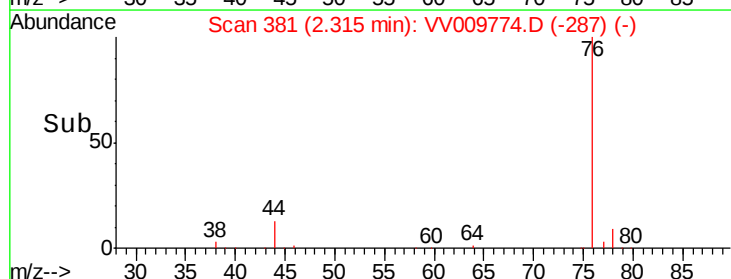
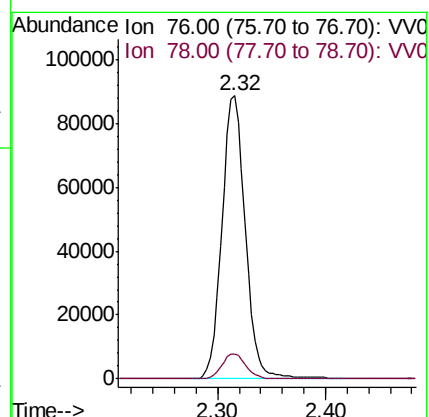
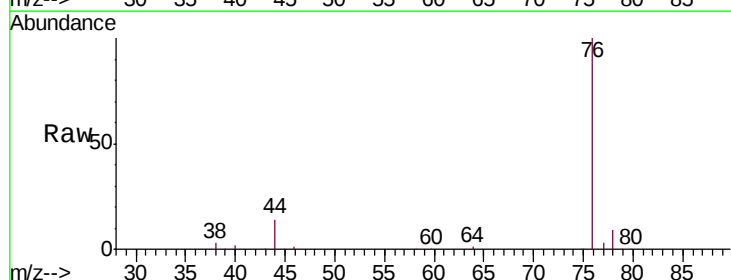
Acq: 19 Mar 2019 10:59

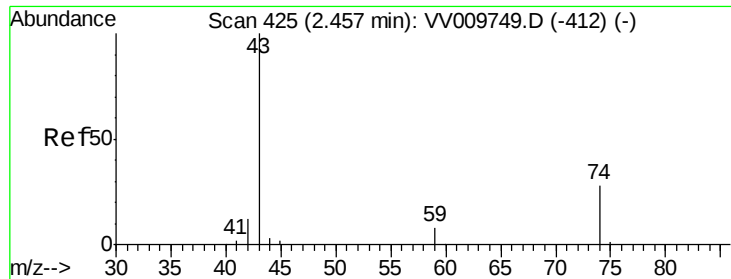
Tgt Ion: 76 Resp: 133592

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2

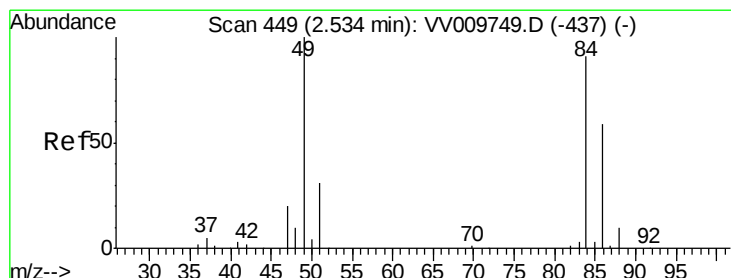
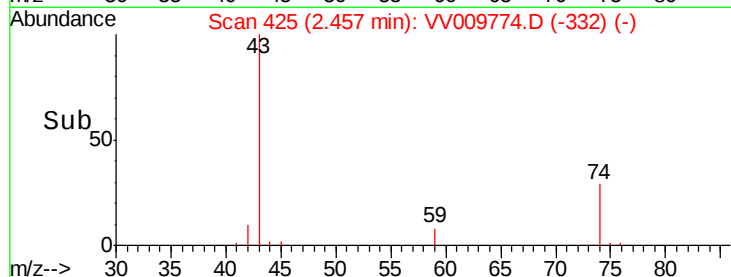
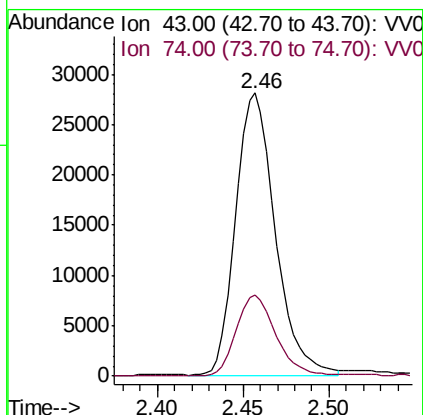
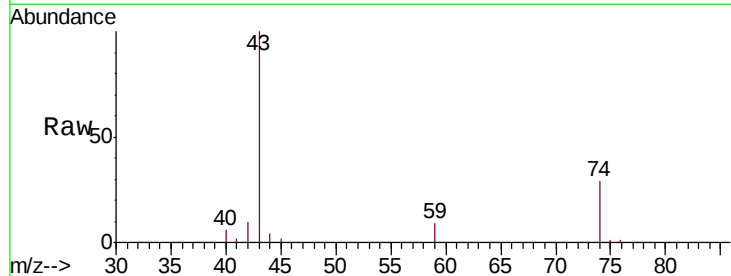




#15
Methyl Acetate
Concen: 43.011 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VV009774.D
Acq: 19 Mar 2019 10:59

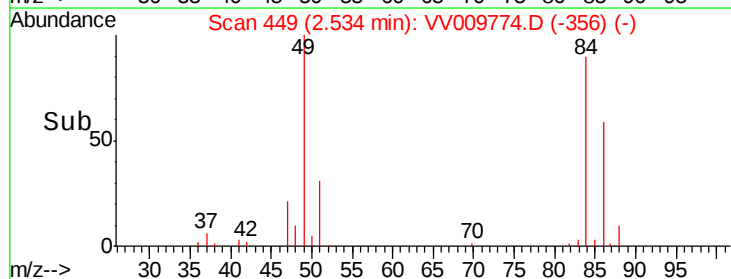
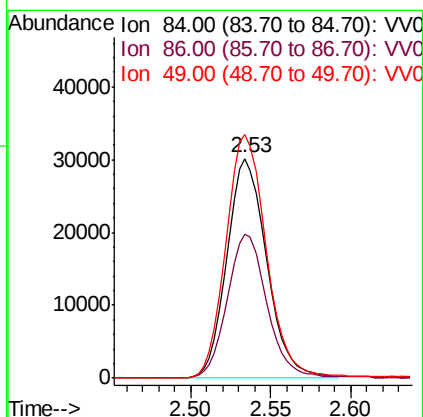
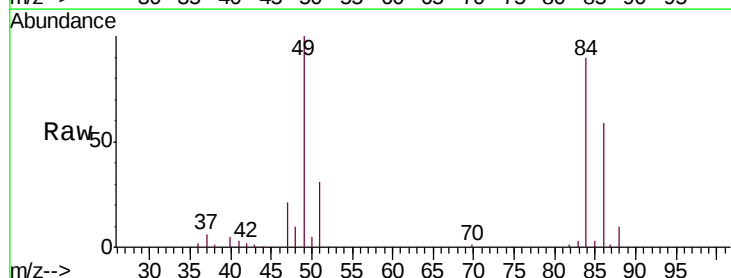
Instrument :
MSVOA_V
ClientSampleId :
VSTD05086

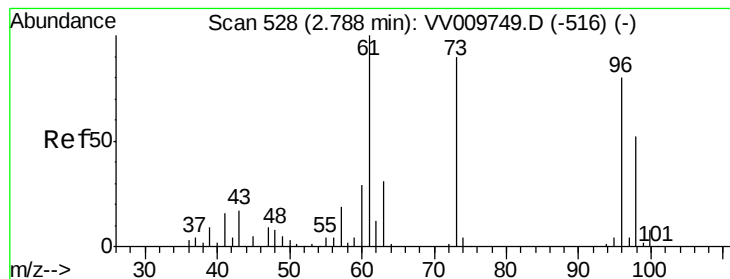
Tgt Ion: 43 Resp: 44897
Ion Ratio Lower Upper
43 100
74 28.8 21.3 31.9



#16
Methylene chloride
Concen: 45.353 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV009774.D
Acq: 19 Mar 2019 10:59

Tgt Ion: 84 Resp: 51118
Ion Ratio Lower Upper
84 100
86 65.4 45.8 85.2
49 110.8 80.6 149.6





#17

trans-1,2-Dichloroethene

Concen: 47.713 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV009774.D

Acq: 19 Mar 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

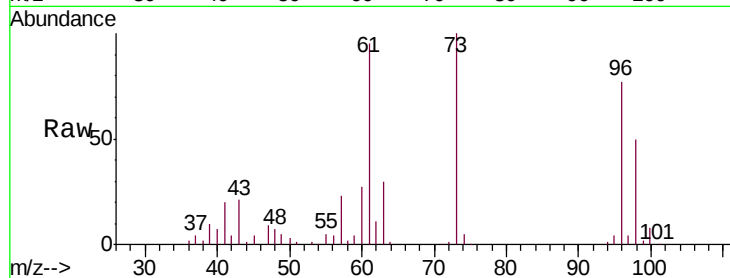
Tgt Ion: 96 Resp: 49575

Ion Ratio Lower Upper

96 100

61 122.1 92.0 170.9

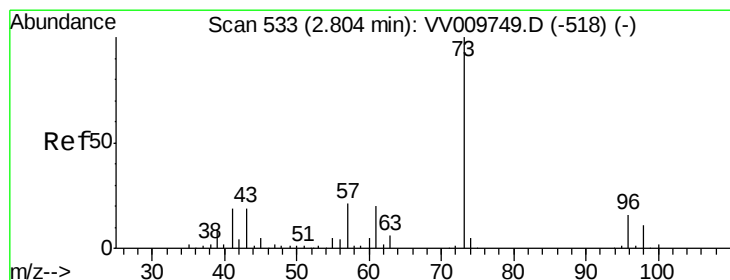
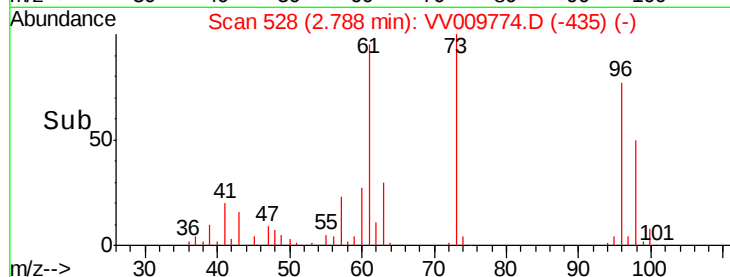
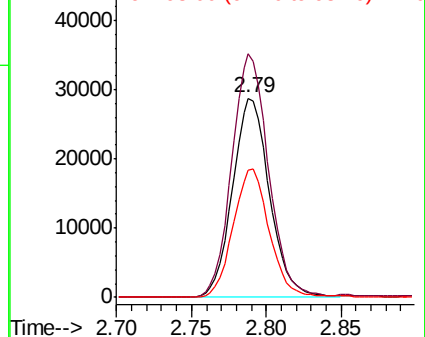
98 64.1 44.7 82.9



Abundance Ion 96.00 (95.70 to 96.70): VV009774.D (-435) (-)

Ion 61.00 (60.70 to 61.70): VV009774.D (-435) (-)

Ion 98.00 (97.70 to 98.70): VV009774.D (-435) (-)



#18

Methyl tert-butyl Ether

Concen: 46.592 ug/L

RT: 2.80 min Scan# 533

Delta R.T. -0.00 min

Lab File: VV009774.D

Acq: 19 Mar 2019 10:59

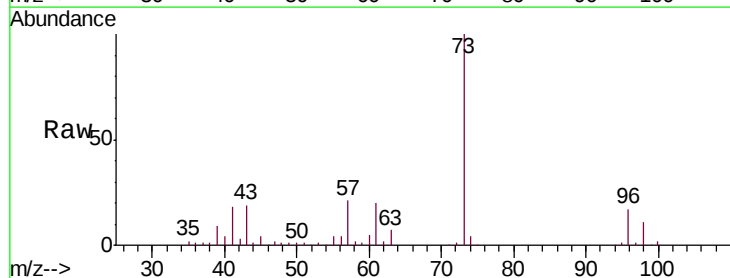
Tgt Ion: 73 Resp: 153009

Ion Ratio Lower Upper

73 100

43 19.1 15.2 22.8

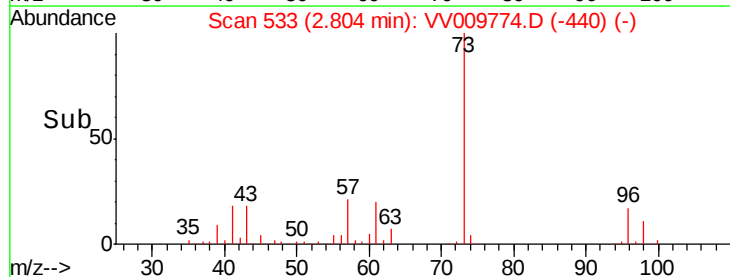
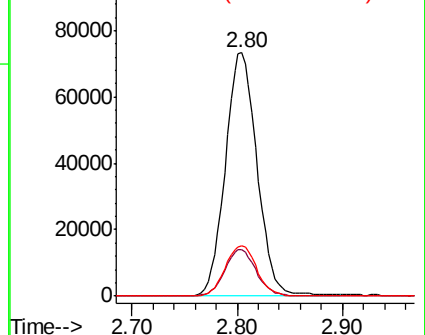
57 20.4 17.1 25.7

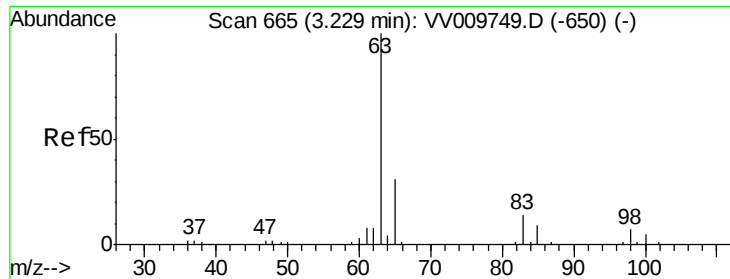


Abundance Ion 73.00 (72.70 to 73.70): VV009774.D (-440) (-)

Ion 43.00 (42.70 to 43.70): VV009774.D (-440) (-)

Ion 57.00 (56.70 to 57.70): VV009774.D (-440) (-)

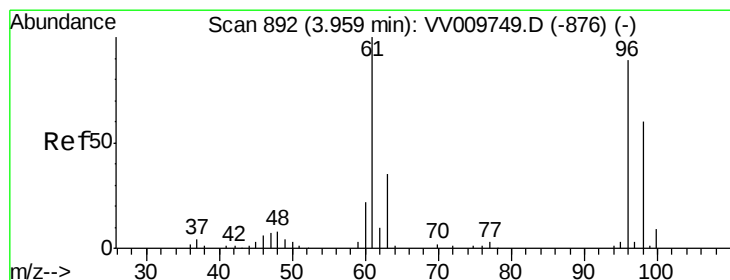
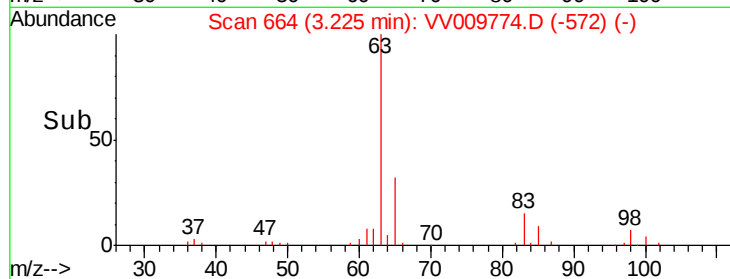
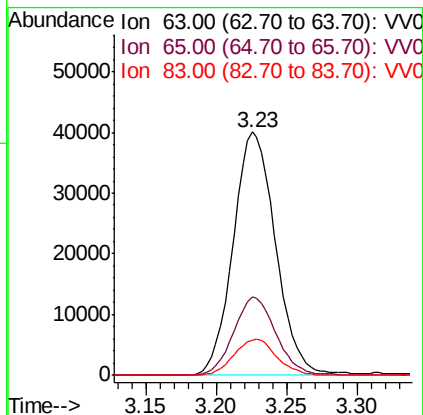
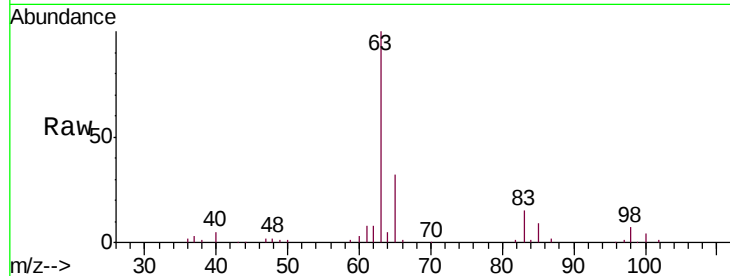




#19
 1,1-Dichloroethane
 Concen: 46.315 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV009774.D
 Acq: 19 Mar 2019 10:59

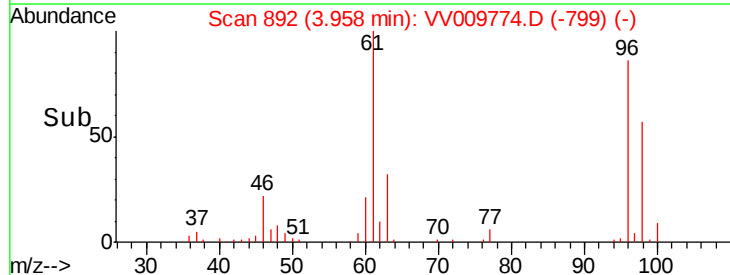
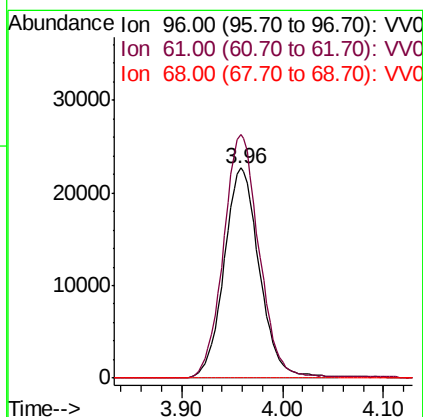
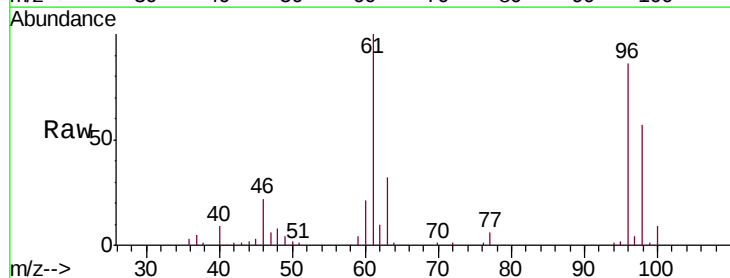
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

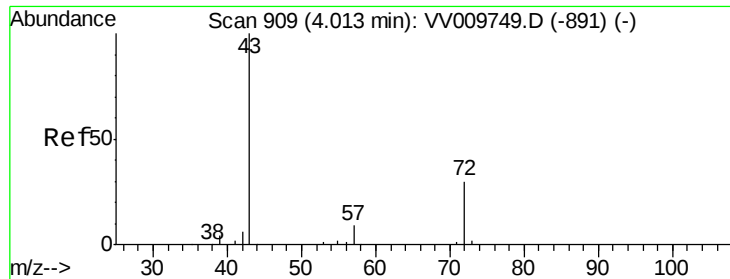
Tgt Ion: 63 Resp: 84403
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.7 42.3
 83 14.5 9.8 18.2



#20
 cis-1,2-Dichloroethene
 Concen: 46.486 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV009774.D
 Acq: 19 Mar 2019 10:59

Tgt Ion: 96 Resp: 55302
 Ion Ratio Lower Upper
 96 100
 61 116.0 77.5 143.9
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 94.514 ug/L

RT: 4.01 min Scan# 908

Delta R.T. -0.00 min

Lab File: VV009774.D

Acq: 19 Mar 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

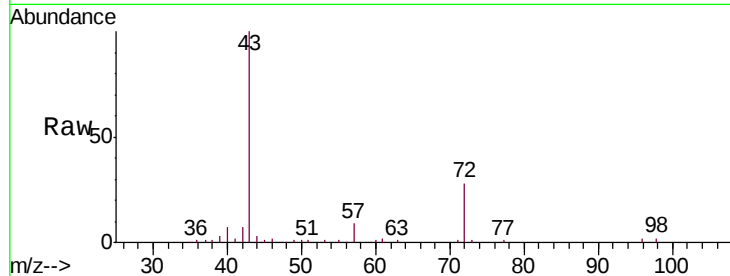
VSTD05086

Tgt Ion: 43 Resp: 73832

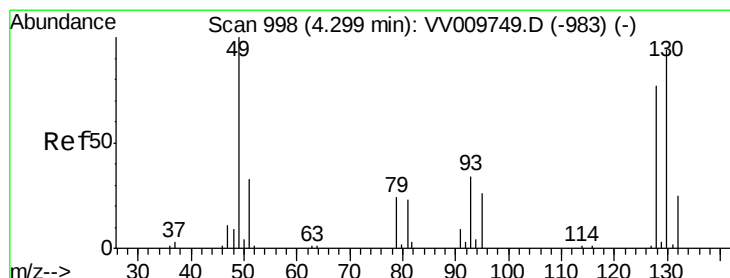
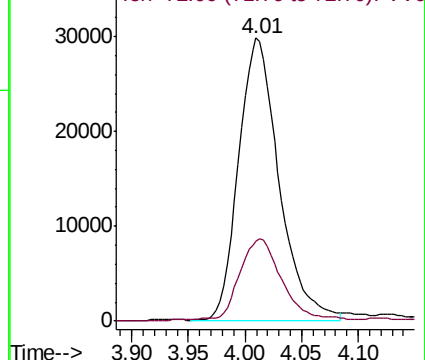
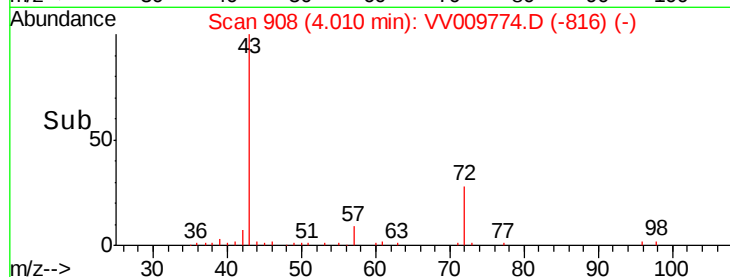
Ion Ratio Lower Upper

43 100

72 29.8 14.8 44.4



Abundance Ion 43.00 (42.70 to 43.70): VV009774.D (-816) (-)



#23

Bromochloromethane

Concen: 46.263 ug/L

RT: 4.30 min Scan# 997

Delta R.T. -0.00 min

Lab File: VV009774.D

Acq: 19 Mar 2019 10:59

Tgt Ion: 128 Resp: 27854

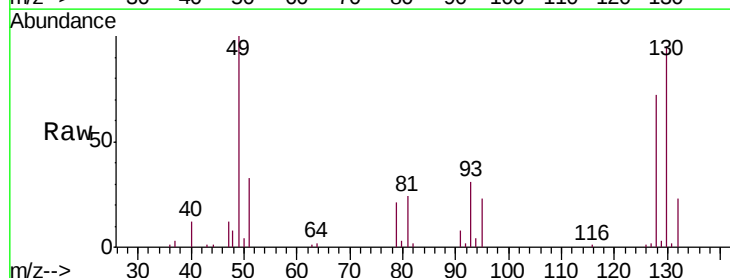
Ion Ratio Lower Upper

128 100

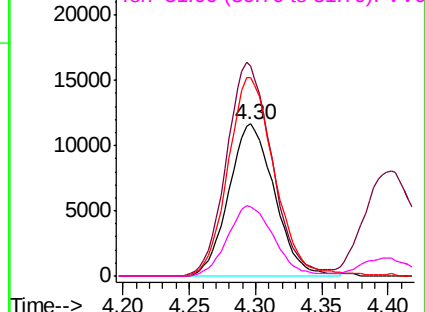
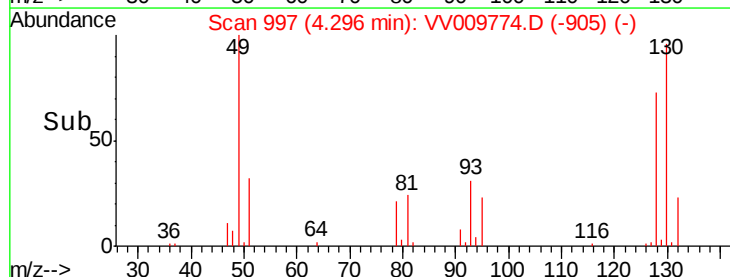
49 138.1 98.0 182.0

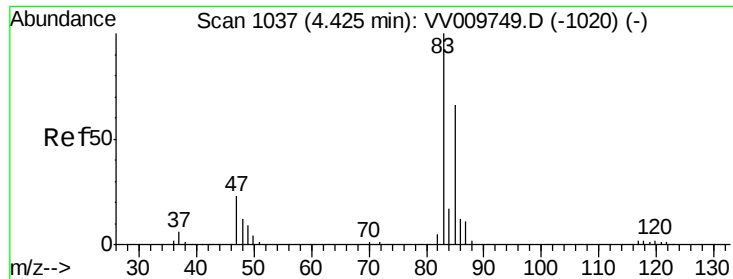
130 130.7 84.5 156.9

51 45.2 35.8 53.8



Abundance Ion 128.00 (127.70 to 128.70): VV009774.D (-905) (-)

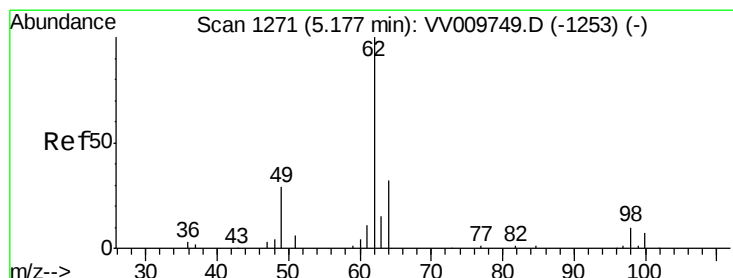
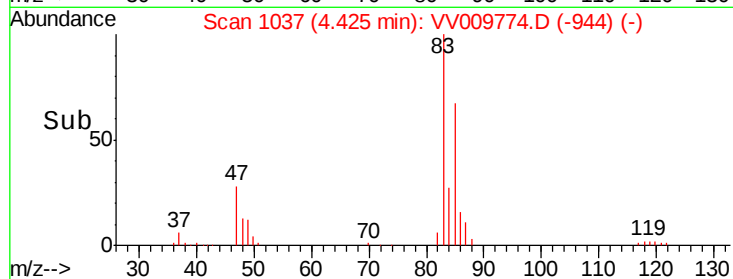
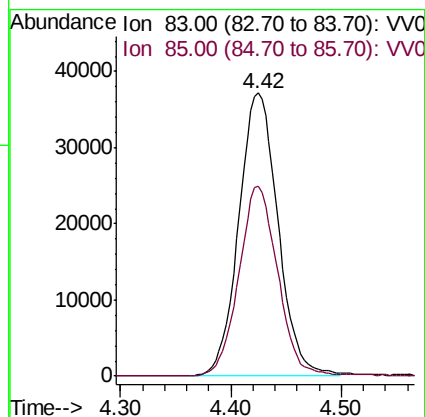
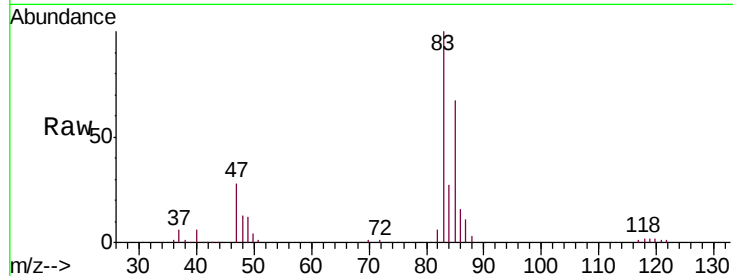




#25
Chloroform
Concen: 45.677 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV009774.D
Acq: 19 Mar 2019 10:59

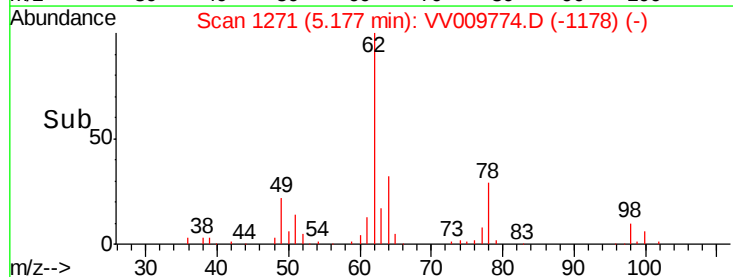
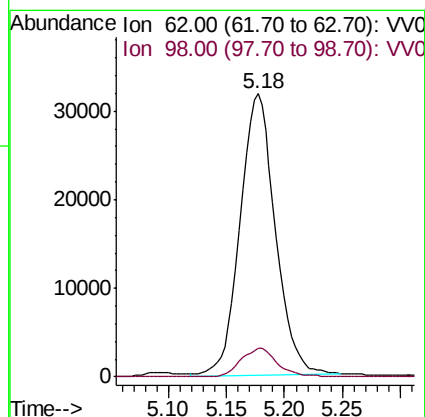
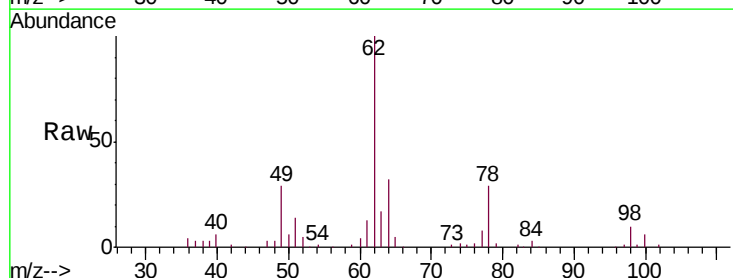
Instrument :
MSVOA_V
ClientSampleId :
VSTD05086

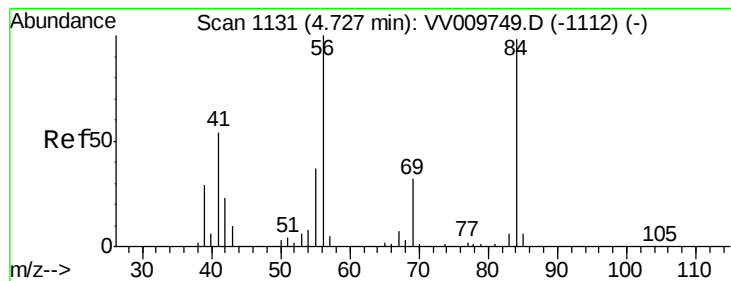
Tgt Ion: 83 Resp: 91779
Ion Ratio Lower Upper
83 100
85 67.1 44.6 82.8



#27
1,2-Dichloroethane
Concen: 44.967 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV009774.D
Acq: 19 Mar 2019 10:59

Tgt Ion: 62 Resp: 67229
Ion Ratio Lower Upper
62 100
98 10.2 7.8 11.6





#29

Cyclohexane

Concen: 45.722 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV009774.D

Acq: 19 Mar 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

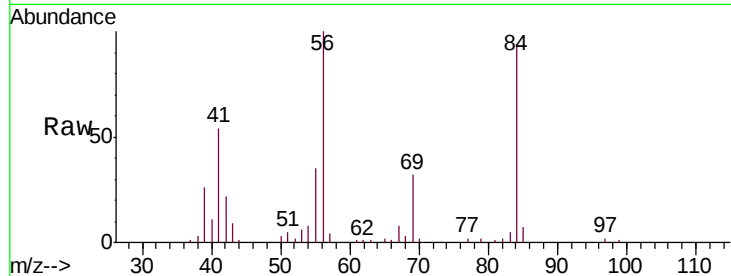
Tgt Ion: 56 Resp: 77732

Ion Ratio Lower Upper

56 100

69 31.1 25.8 38.6

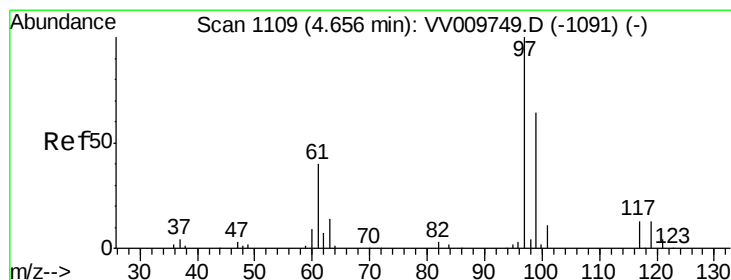
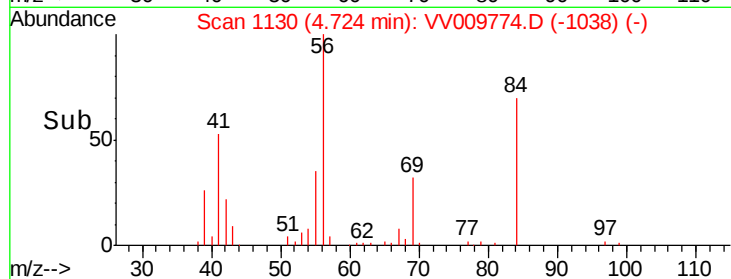
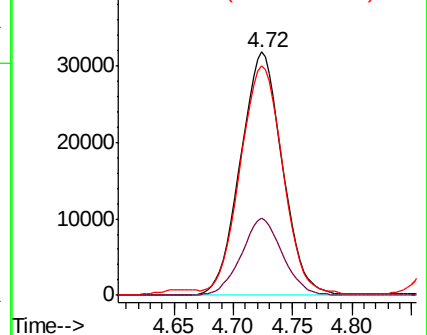
84 93.5 75.8 113.6



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 47.358 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VV009774.D

Acq: 19 Mar 2019 10:59

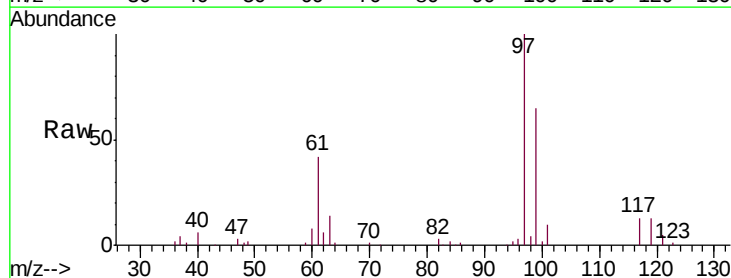
Tgt Ion: 97 Resp: 81875

Ion Ratio Lower Upper

97 100

99 64.6 50.9 76.3

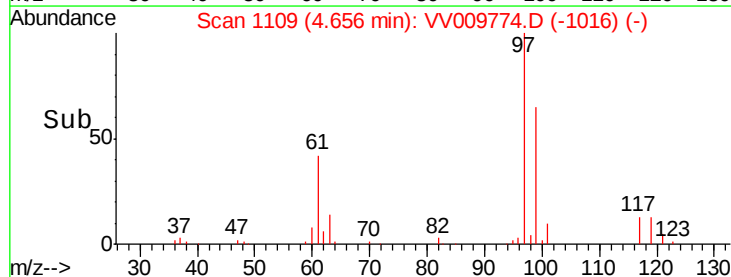
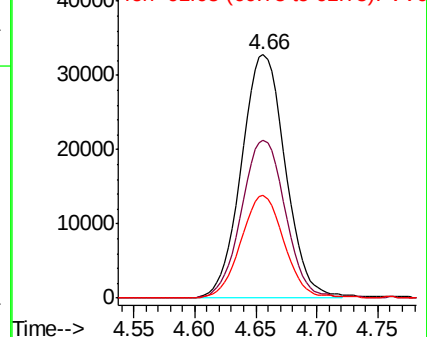
61 41.5 33.9 50.9

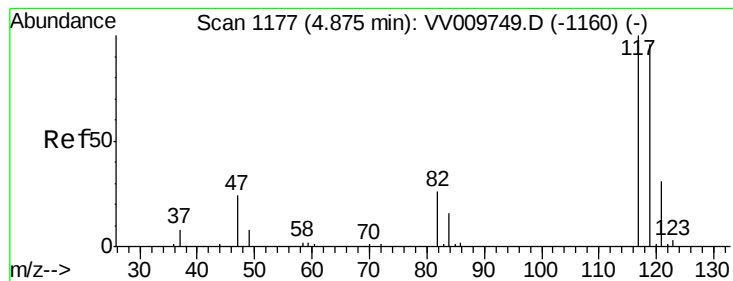


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 49.057 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV009774.D

Acq: 19 Mar 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

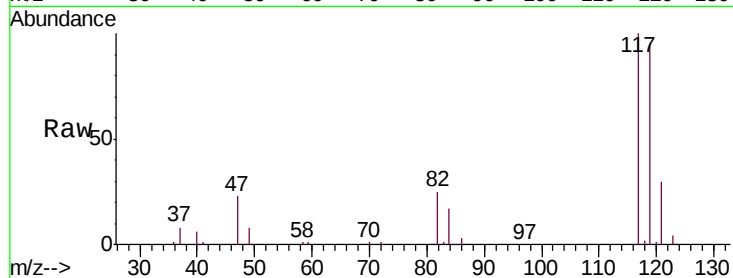
VSTD05086

Tgt Ion:117 Resp: 70065

Ion Ratio Lower Upper

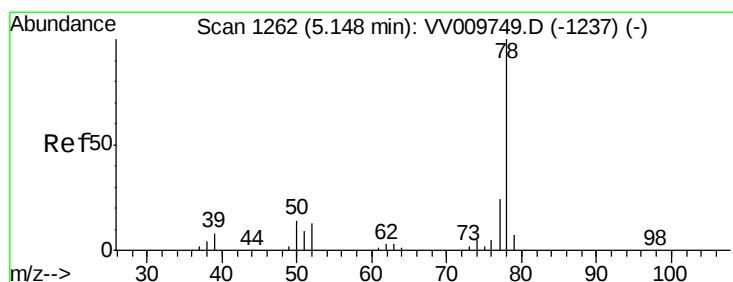
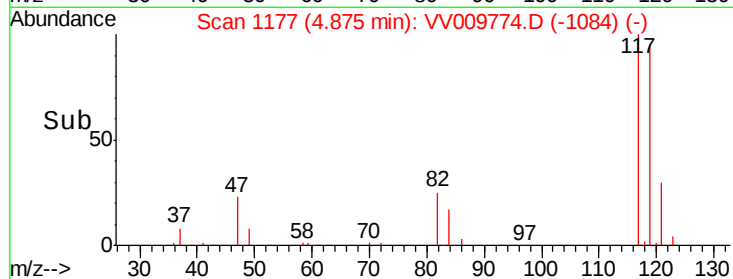
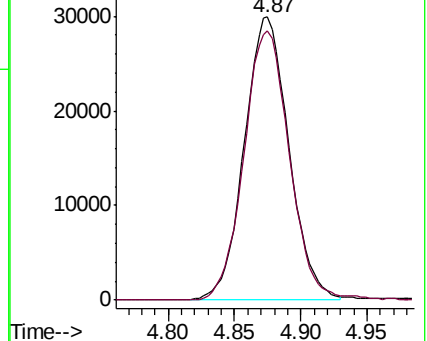
117 100

119 96.9 74.9 112.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 45.981 ug/L

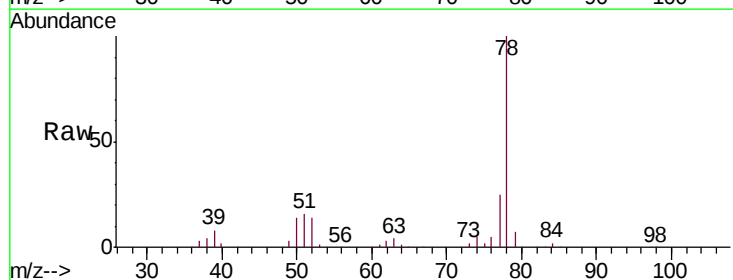
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

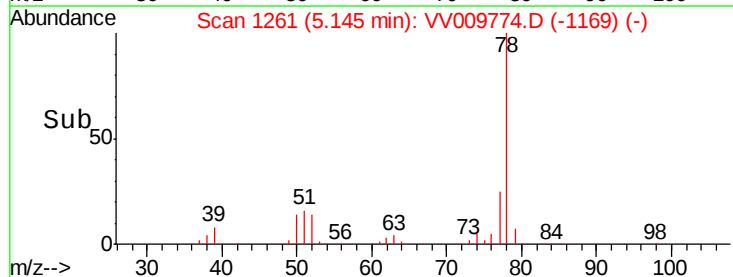
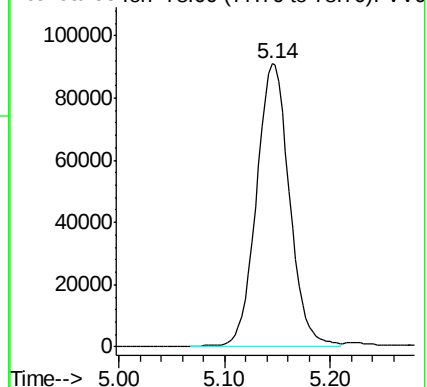
Lab File: VV009774.D

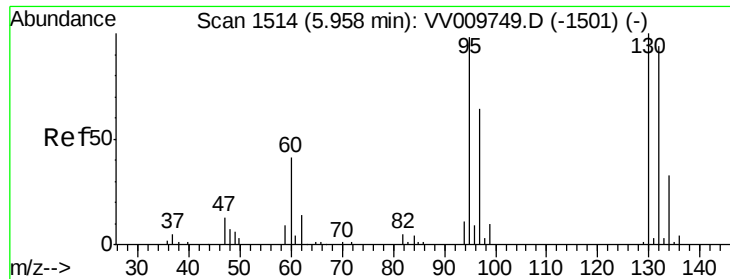
Acq: 19 Mar 2019 10:59

Tgt Ion: 78 Resp: 199370



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 47.008 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV009774.D

Acq: 19 Mar 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

Tgt Ion: 95 Resp: 53127

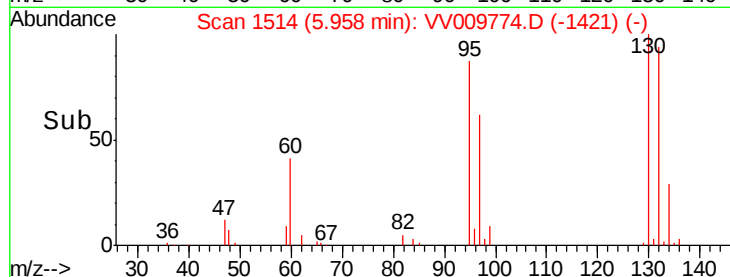
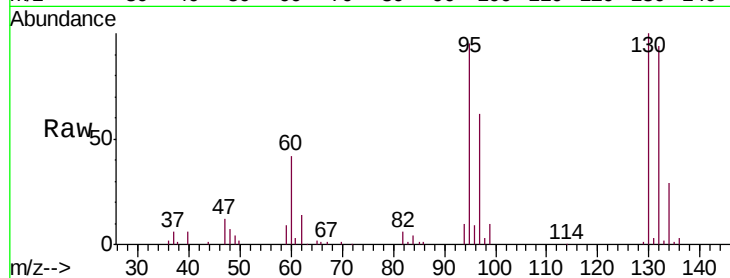
Ion Ratio Lower Upper

95 100

97 65.2 45.1 83.9

132 99.1 68.0 126.2

130 105.1 71.3 132.3

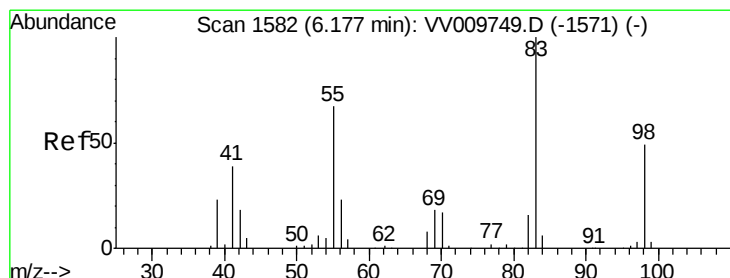
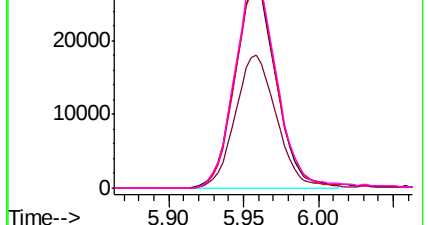


Abundance Ion 95.00 (94.70 to 95.70): VV009774.D (-1421) (-)

Ion 97.00 (96.70 to 97.70): VV009774.D (-1421) (-)

Ion 132.00 (131.70 to 132.70): VV009774.D (-1421) (-)

Ion 130.00 (129.70 to 130.70): VV009774.D (-1421) (-)



#35

Methylcyclohexane

Concen: 47.193 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV009774.D

Acq: 19 Mar 2019 10:59

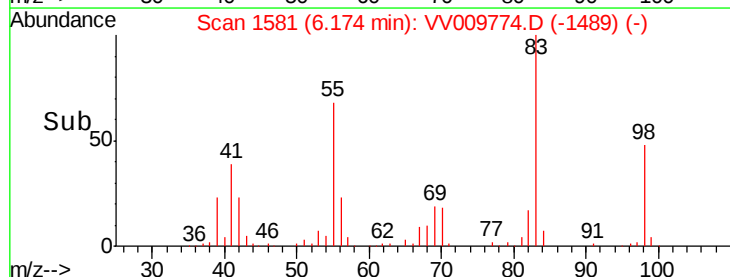
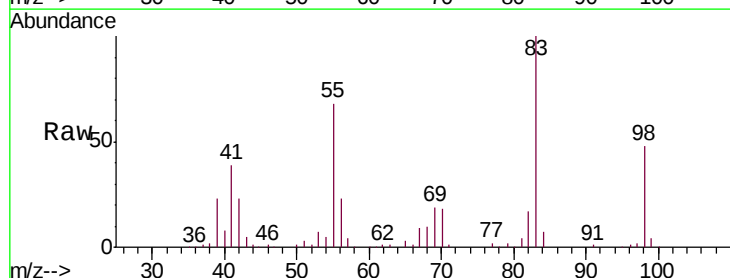
Tgt Ion: 83 Resp: 87776

Ion Ratio Lower Upper

83 100

55 69.8 54.2 81.4

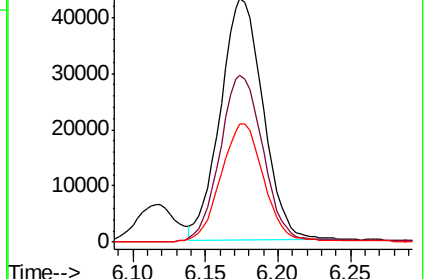
98 48.5 38.4 57.6

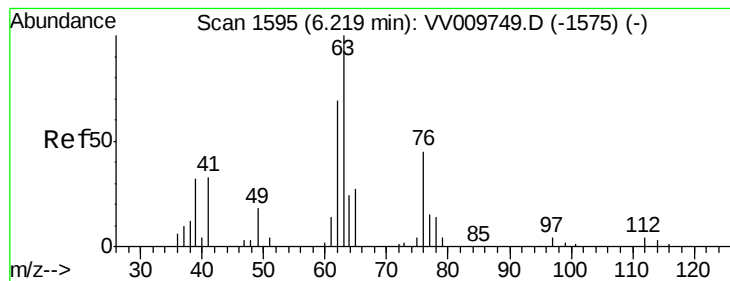


Abundance Ion 83.00 (82.70 to 83.70): VV009774.D (-1489) (-)

Ion 55.00 (54.70 to 55.70): VV009774.D (-1489) (-)

Ion 98.00 (97.70 to 98.70): VV009774.D (-1489) (-)





#37

1,2-Dichloropropane

Concen: 46.720 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VV009774.D

Acq: 19 Mar 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

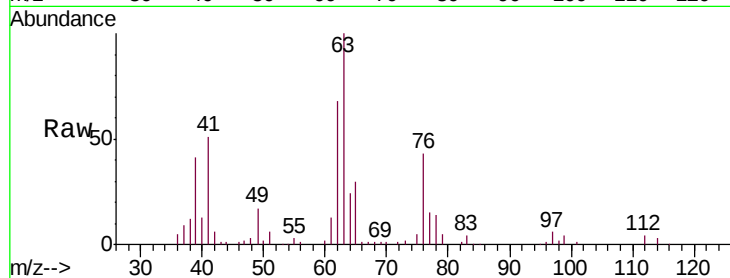
VSTD05086

Tgt Ion: 63 Resp: 51659

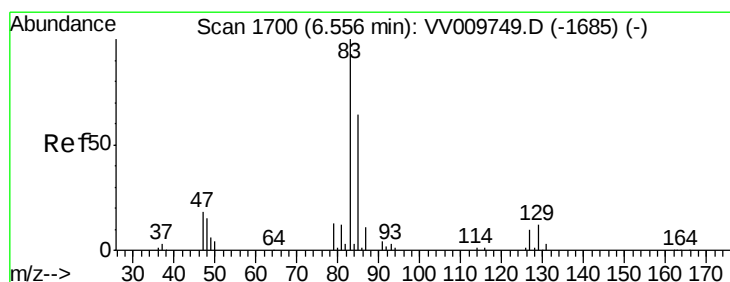
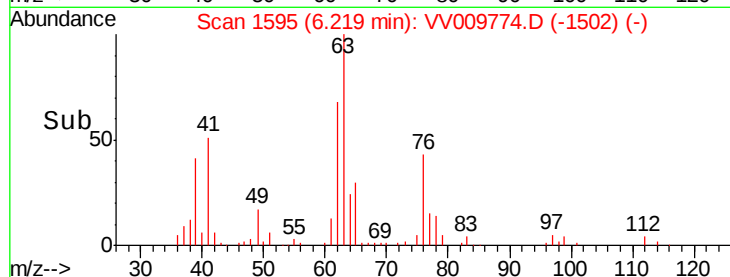
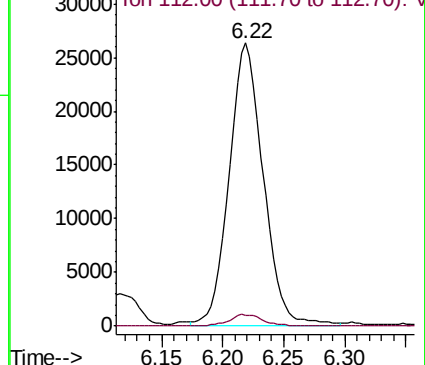
Ion Ratio Lower Upper

63 100

112 4.0 3.6 5.4



Abundance Ion 63.00 (62.70 to 63.70): VV009774.D (-1502) (-)



#38

Bromodichloromethane

Concen: 47.775 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV009774.D

Acq: 19 Mar 2019 10:59

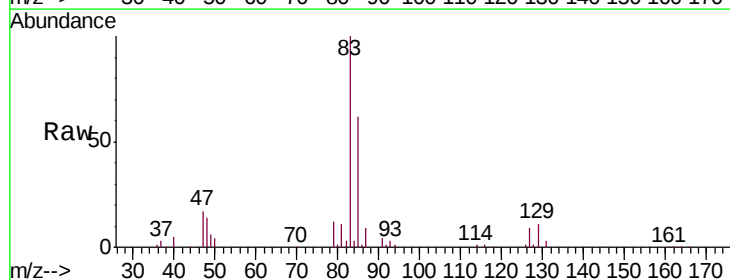
Tgt Ion: 83 Resp: 69416

Ion Ratio Lower Upper

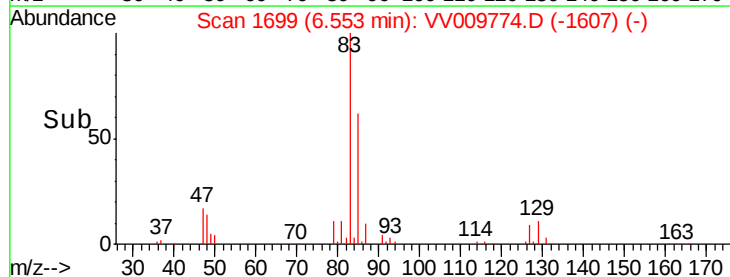
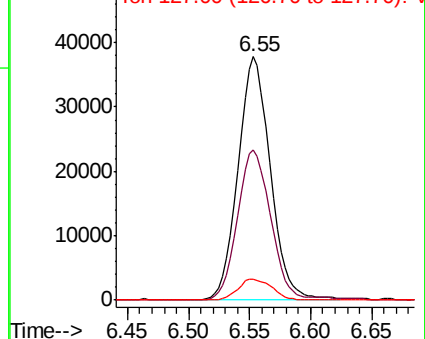
83 100

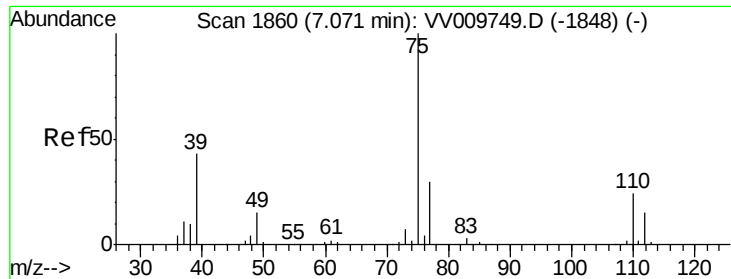
85 61.7 44.9 83.5

127 8.7 6.7 10.1



Abundance Ion 83.00 (82.70 to 83.70): VV009774.D (-1607) (-)

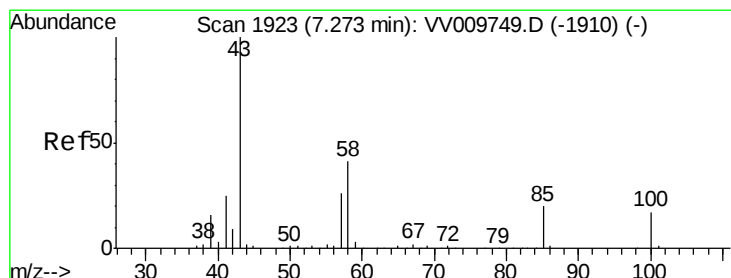
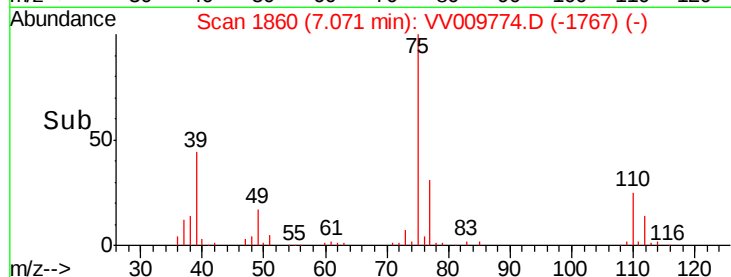
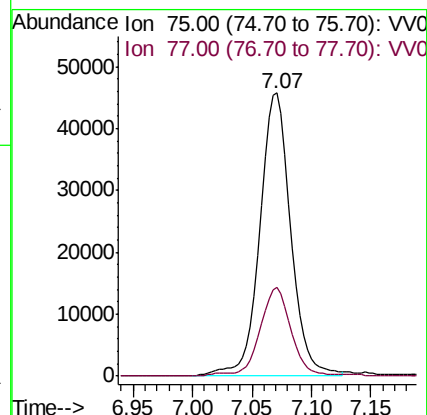
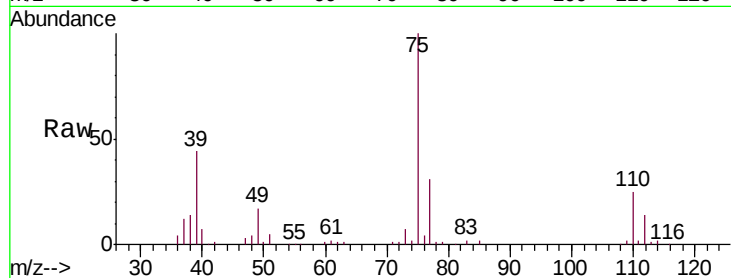




#39
 cis-1,3-Dichloropropene
 Concen: 48.971 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV009774.D
 Acq: 19 Mar 2019 10:59

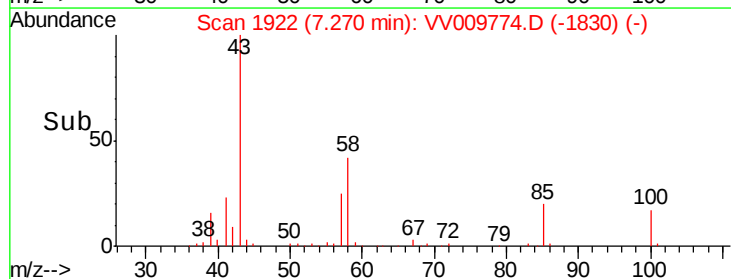
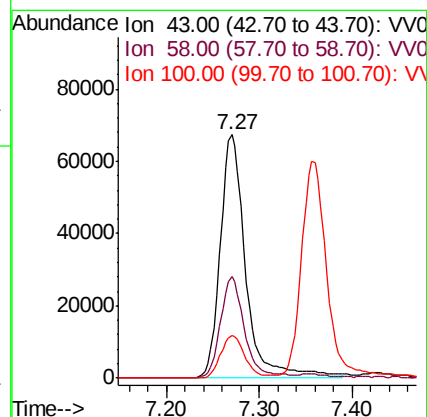
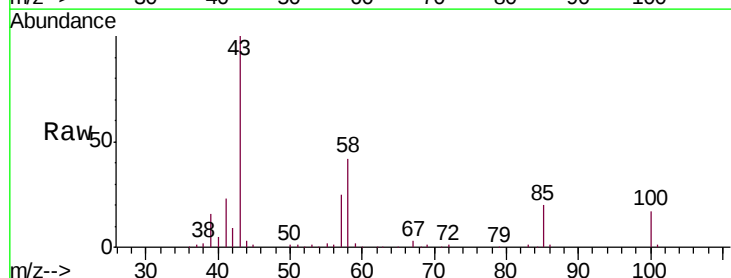
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

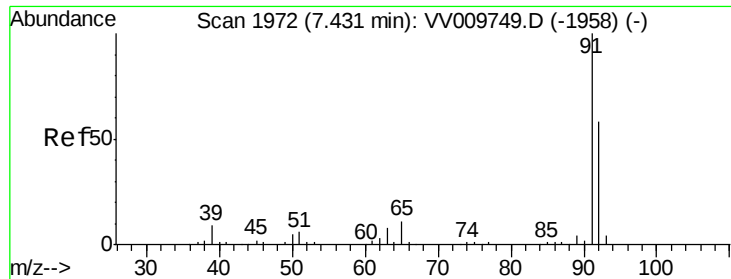
Tgt Ion: 75 Resp: 82715
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 88.744 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VV009774.D
 Acq: 19 Mar 2019 10:59

Tgt Ion: 43 Resp: 128843
 Ion Ratio Lower Upper
 43 100
 58 39.3 32.3 48.5
 100 16.8 13.7 20.5





#42

Toluene

Concen: 47.155 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV009774.D

Acq: 19 Mar 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

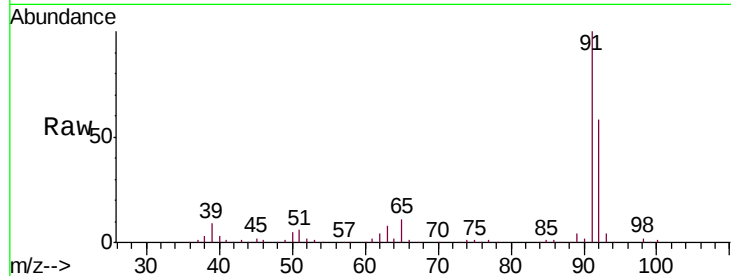
VSTD05086

Tgt Ion: 91 Resp: 227859

Ion Ratio Lower Upper

91 100

92 58.2 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VV009774.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV009774.D (-1958) (-)

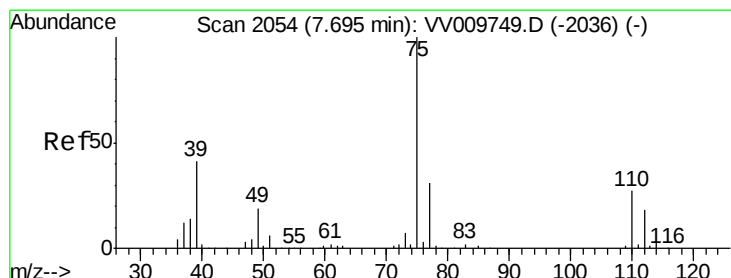
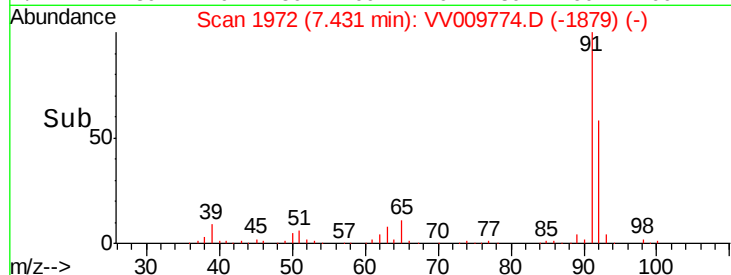
7.43

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 46.724 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV009774.D

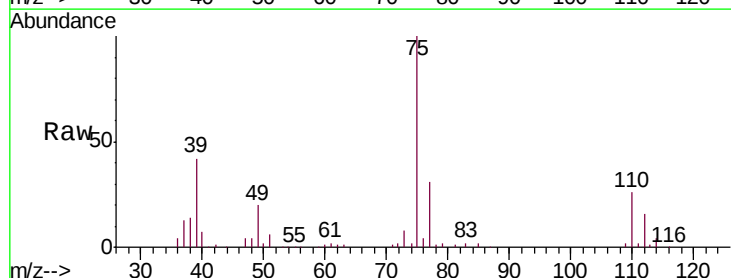
Acq: 19 Mar 2019 10:59

Tgt Ion: 75 Resp: 74735

Ion Ratio Lower Upper

75 100

77 31.3 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VV009774.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV009774.D (-2036) (-)

7.69

50000

40000

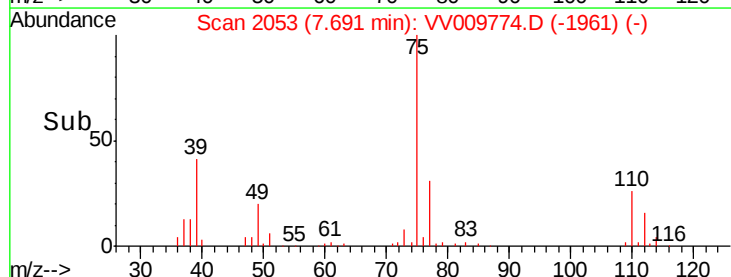
30000

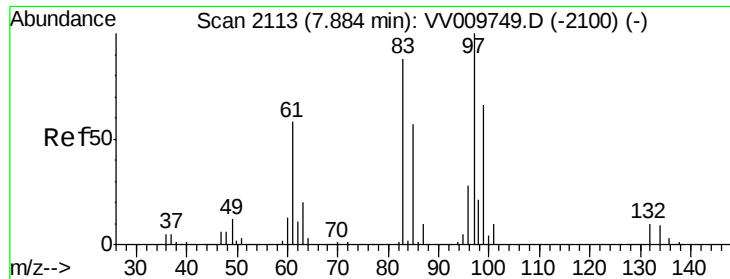
20000

10000

0

Time-->

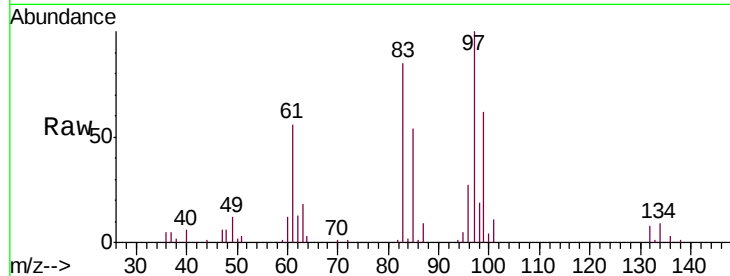




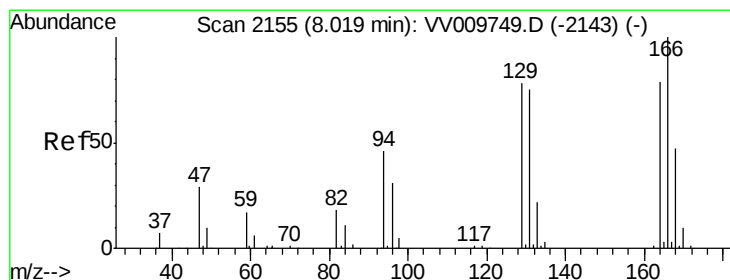
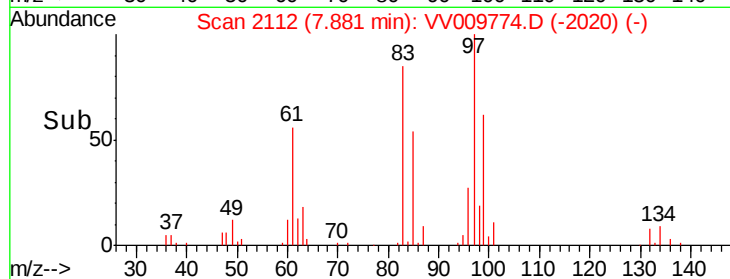
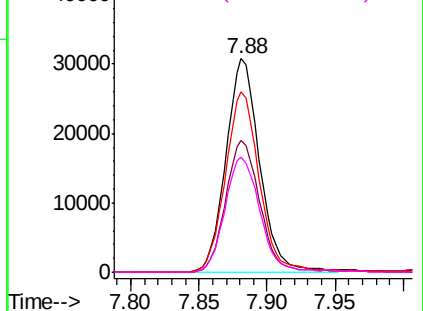
#45
 1,1,2-Trichloroethane
 Concen: 46.480 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV009774.D
 Acq: 19 Mar 2019 10:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

Tgt Ion:	97	Resp:	53161
Ion	Ratio	Lower	Upper
97	100		
99	61.7	42.8	79.6
83	84.6	59.7	110.9
85	53.7	38.7	71.9

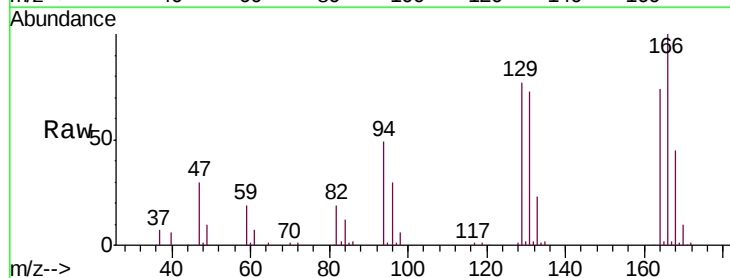


Abundance Ion 97.00 (96.70 to 97.70): VV009774.D (-2020) (-)

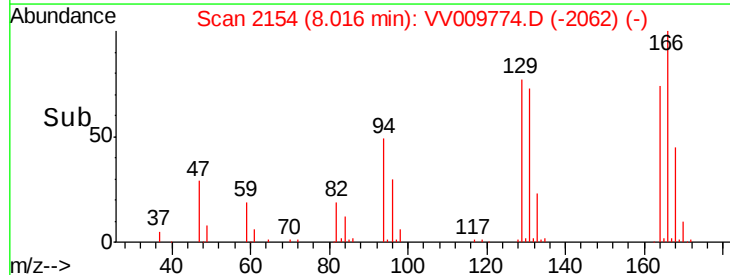
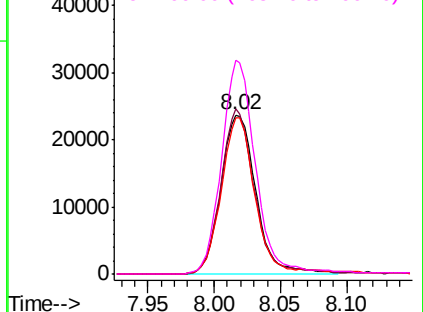


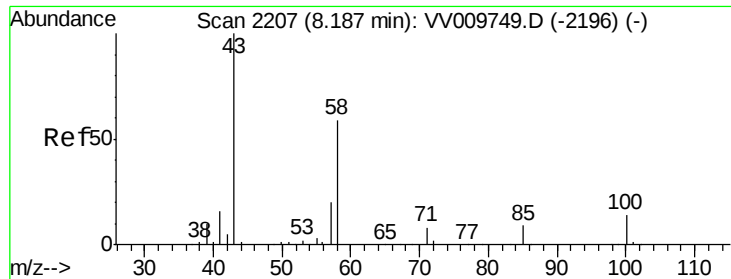
#46
 Tetrachloroethene
 Concen: 46.043 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV009774.D
 Acq: 19 Mar 2019 10:59

Tgt Ion:	164	Resp:	43438
Ion	Ratio	Lower	Upper
164	100		
129	104.1	70.0	130.0
131	98.4	67.5	125.4
166	134.3	88.0	163.4



Abundance Ion 164.00 (163.70 to 164.70): VV009774.D (-2062) (-)

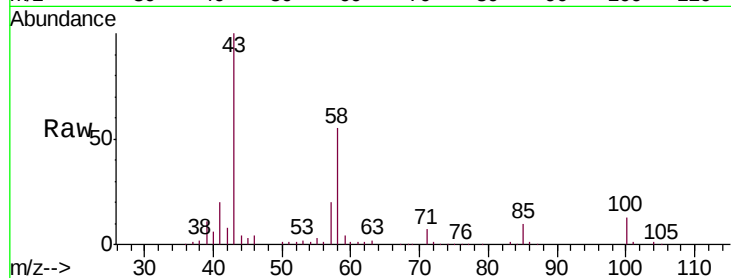




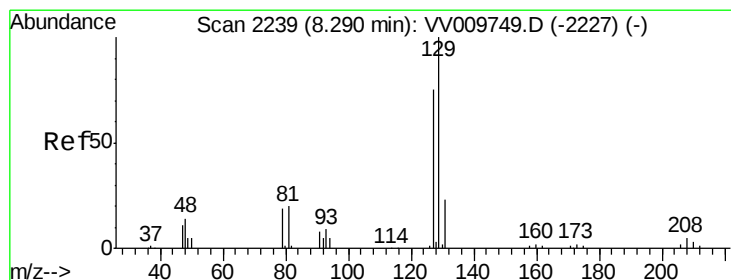
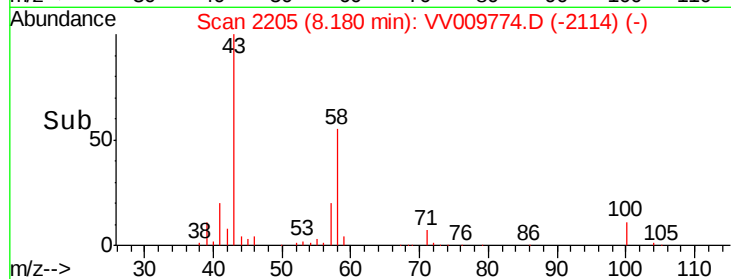
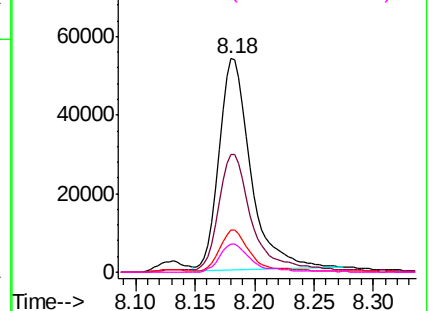
#48
2-Hexanone
Concen: 92.220 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.01 min
Lab File: VV009774.D
Acq: 19 Mar 2019 10:59

Instrument :
MSVOA_V
ClientSampleId :
VSTD05086

Tgt Ion: 43 Resp: 99663
Ion Ratio Lower Upper
43 100
58 61.0 46.0 69.0
57 18.2 14.8 22.2
100 13.3 10.8 16.2

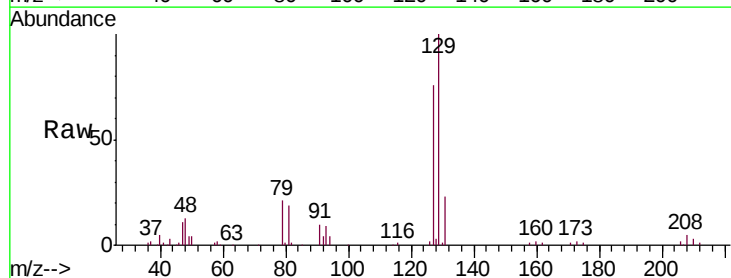


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

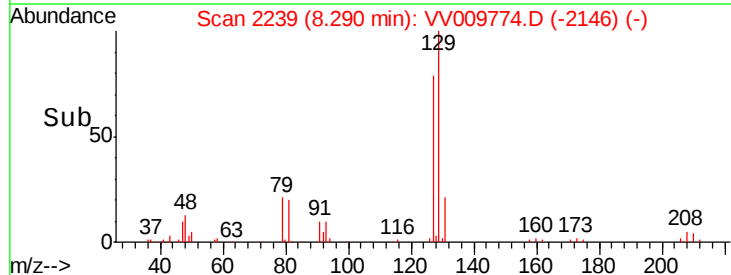
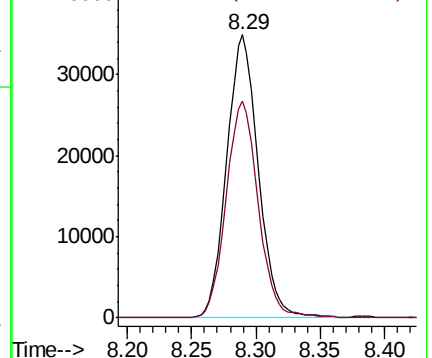


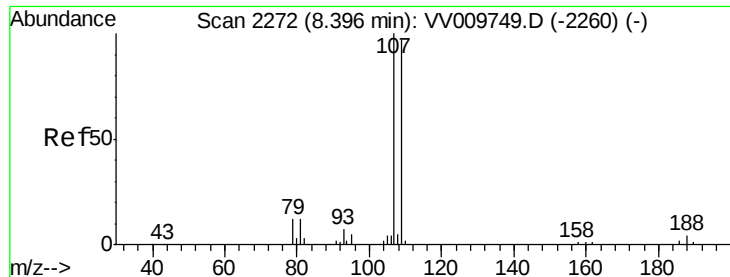
#49
Dibromochloromethane
Concen: 48.452 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV009774.D
Acq: 19 Mar 2019 10:59

Tgt Ion: 129 Resp: 59450
Ion Ratio Lower Upper
129 100
127 76.5 55.2 102.4



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

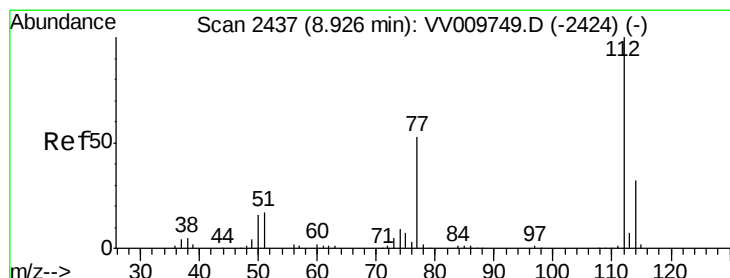
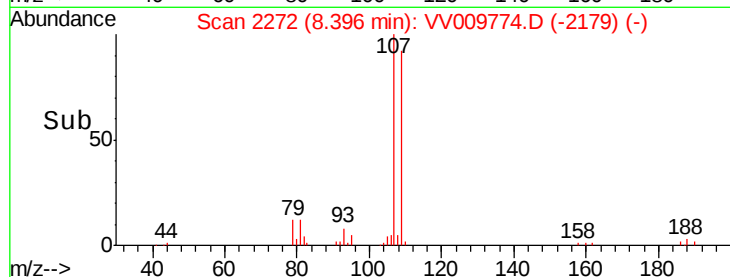
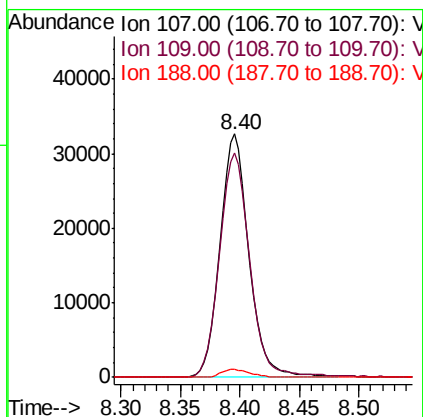
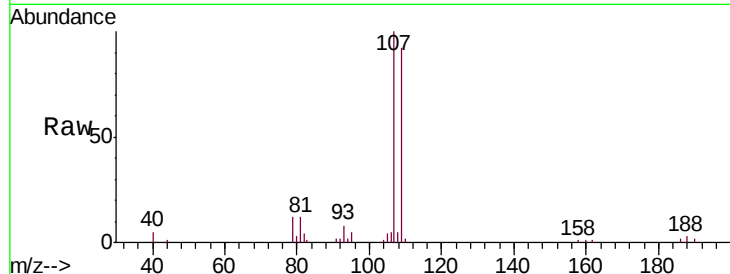




#50
 1,2-Dibromoethane
 Concen: 46.155 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VV009774.D
 Acq: 19 Mar 2019 10:59

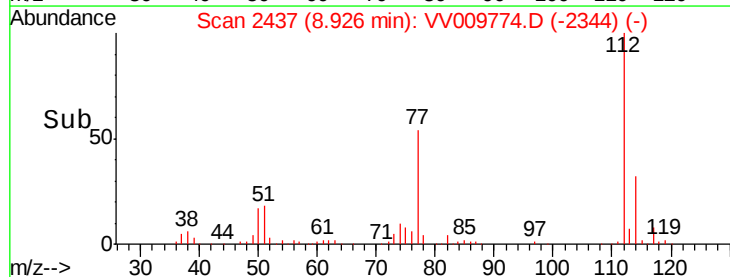
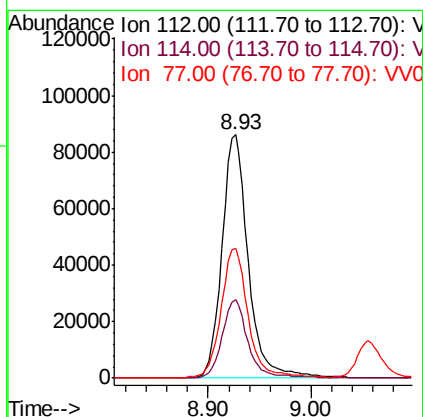
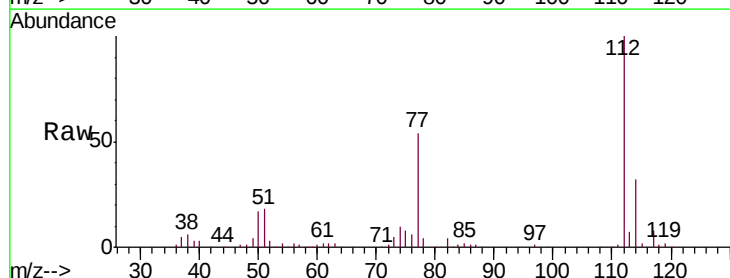
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

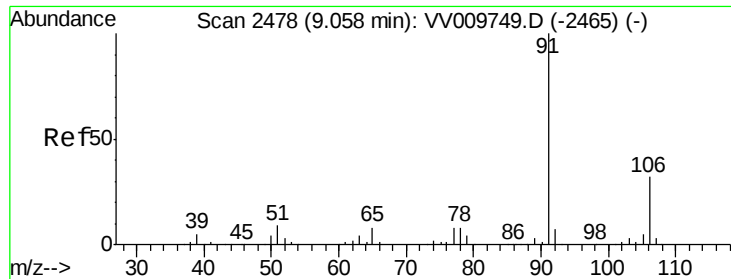
Tgt Ion:107 Resp: 55043
 Ion Ratio Lower Upper
 107 100
 109 91.9 65.3 121.3
 188 3.2 2.2 3.4



#51
 Chlorobenzene
 Concen: 47.017 ug/L
 RT: 8.93 min Scan# 2437
 Delta R.T. -0.00 min
 Lab File: VV009774.D
 Acq: 19 Mar 2019 10:59

Tgt Ion:112 Resp: 152537
 Ion Ratio Lower Upper
 112 100
 114 32.4 22.5 41.9
 77 53.5 45.4 68.2





#52

Ethylbenzene

Concen: 46.663 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV009774.D

Acq: 19 Mar 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

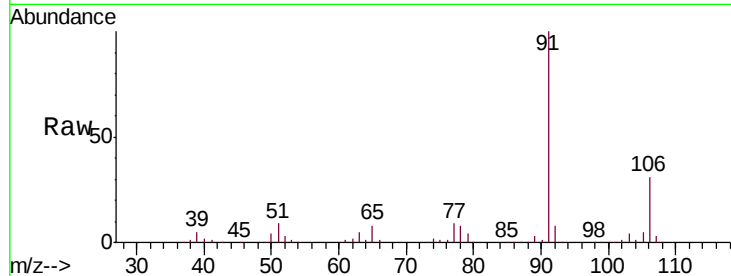
VSTD05086

Tgt Ion: 91 Resp: 255739

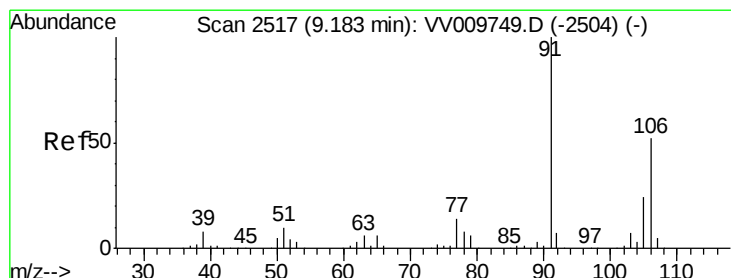
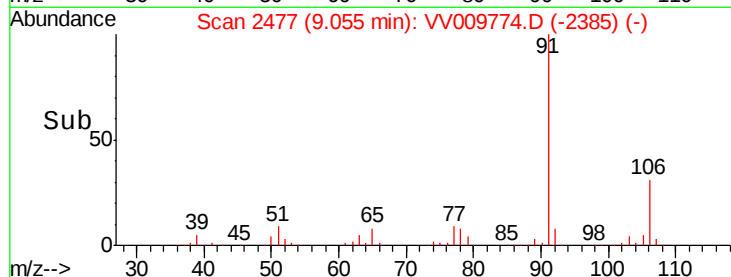
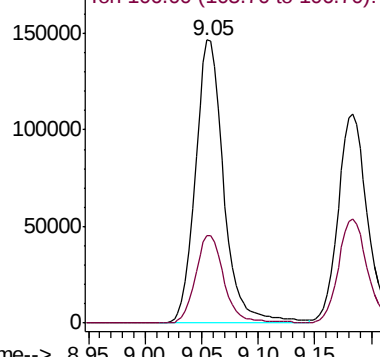
Ion Ratio Lower Upper

91 100

106 31.0 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VV009774.D (-2465) (-)



#53

m,p-Xylene

Concen: 46.832 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV009774.D

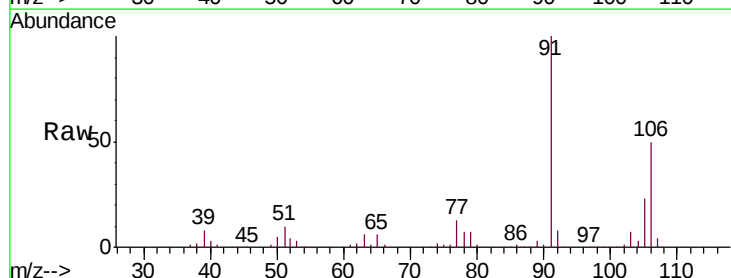
Acq: 19 Mar 2019 10:59

Tgt Ion: 106 Resp: 99158

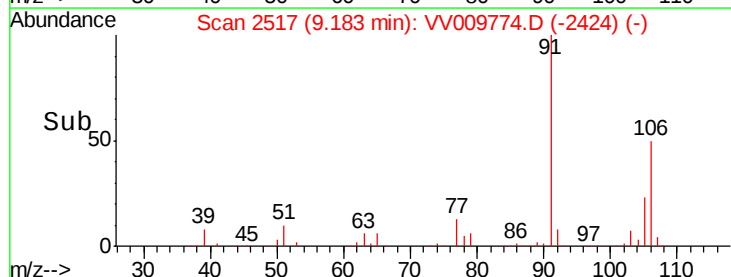
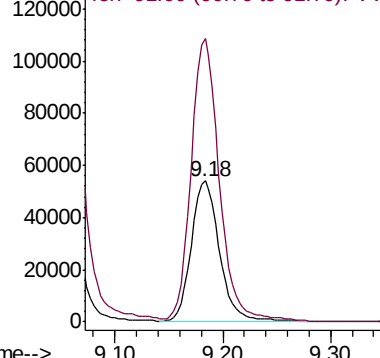
Ion Ratio Lower Upper

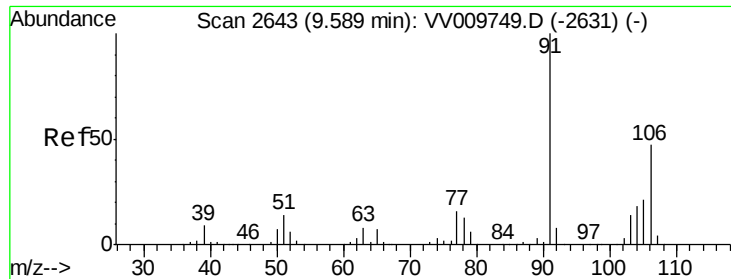
106 100

91 201.2 141.1 262.1



Abundance Ion 106.00 (105.70 to 106.70): VV009774.D (-2504) (-)

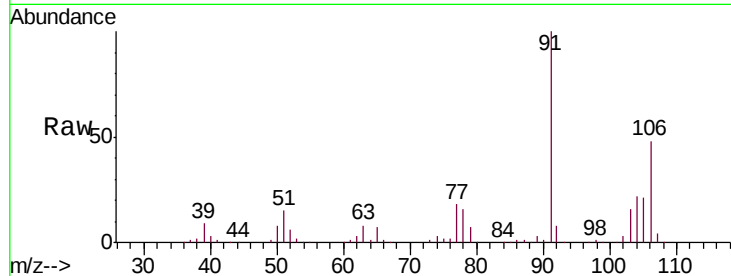




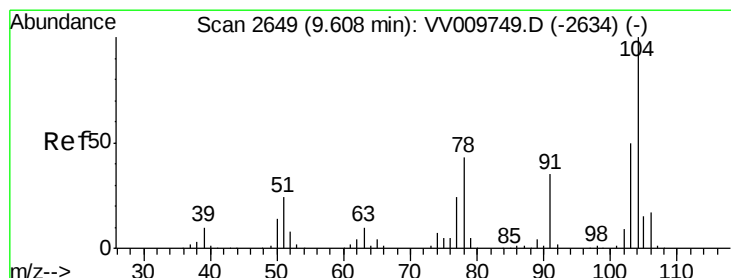
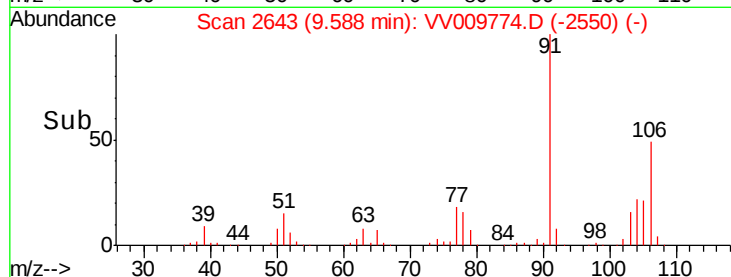
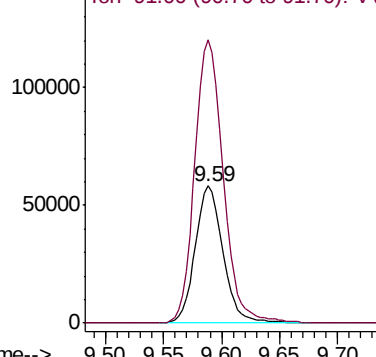
#54
o-Xylene
Concen: 45.430 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV009774.D
Acq: 19 Mar 2019 10:59

Instrument :
MSVOA_V
ClientSampleId :
VSTD05086

Tgt Ion:106 Resp: 96728
Ion Ratio Lower Upper
106 100
91 206.4 148.3 275.5

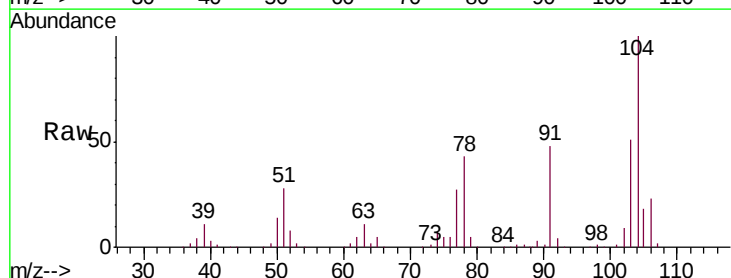


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

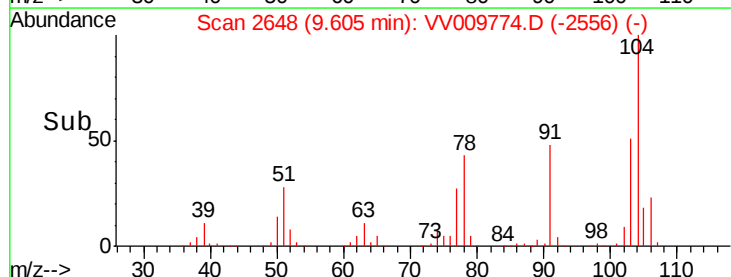
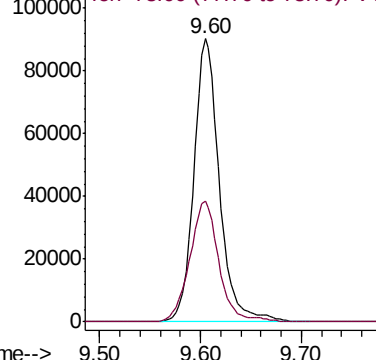


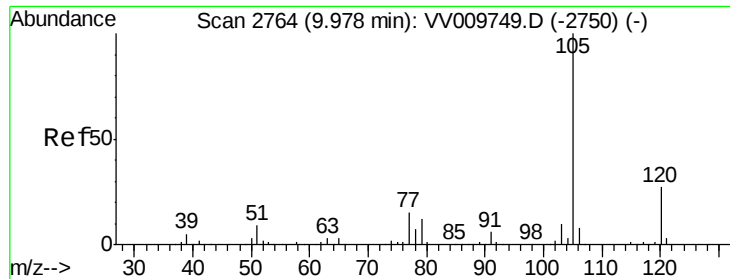
#55
Styrene
Concen: 45.967 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV009774.D
Acq: 19 Mar 2019 10:59

Tgt Ion:104 Resp: 159525
Ion Ratio Lower Upper
104 100
78 42.9 32.5 60.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 45.608 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV009774.D

Acq: 19 Mar 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

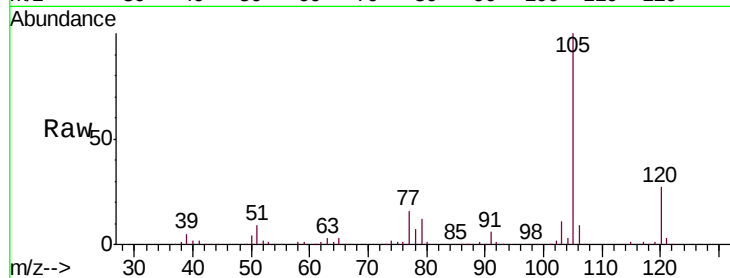
Tgt Ion: 105 Resp: 252685

Ion Ratio Lower Upper

105 100

120 27.1 21.1 31.7

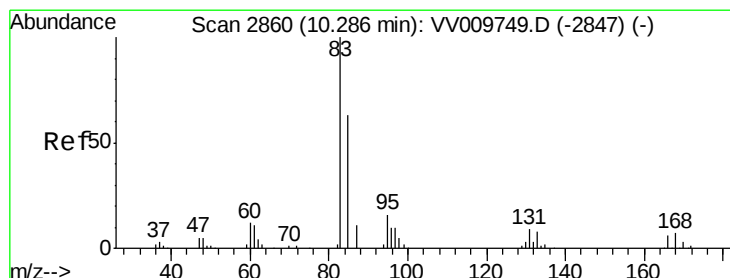
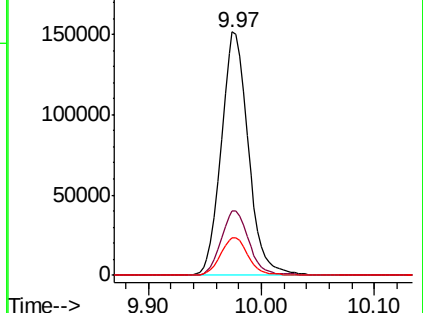
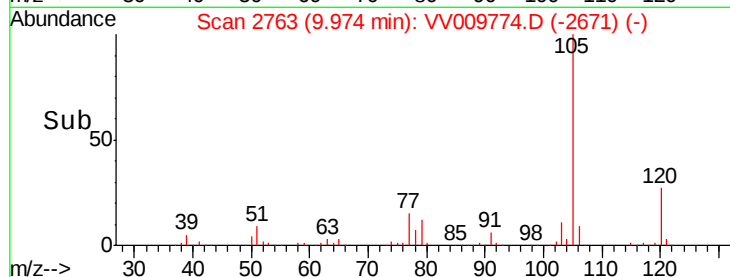
77 15.9 12.7 19.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 44.245 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV009774.D

Acq: 19 Mar 2019 10:59

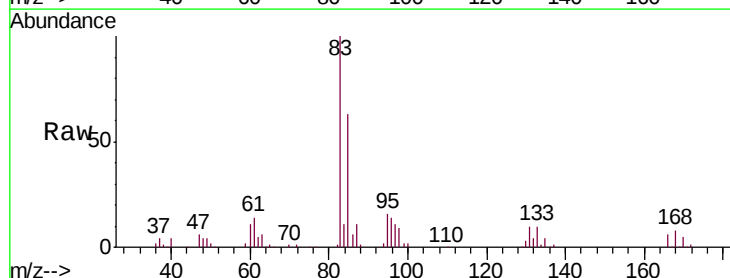
Tgt Ion: 83 Resp: 87940

Ion Ratio Lower Upper

83 100

85 62.9 43.5 80.9

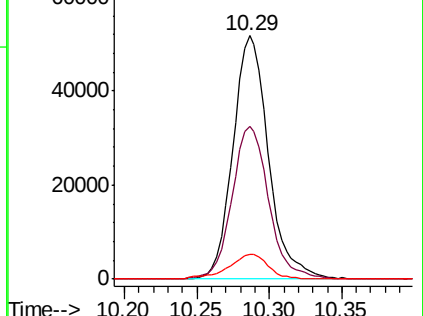
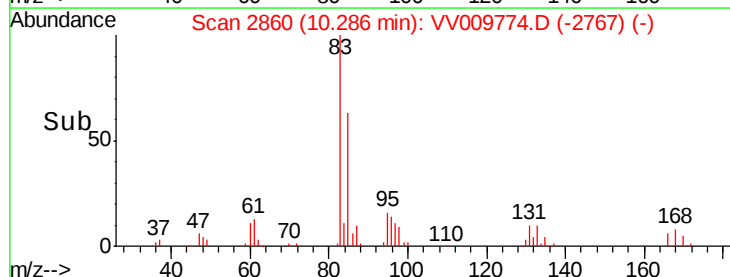
131 10.2 8.4 12.6

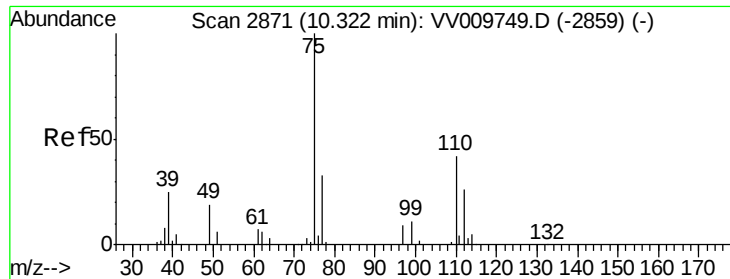


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

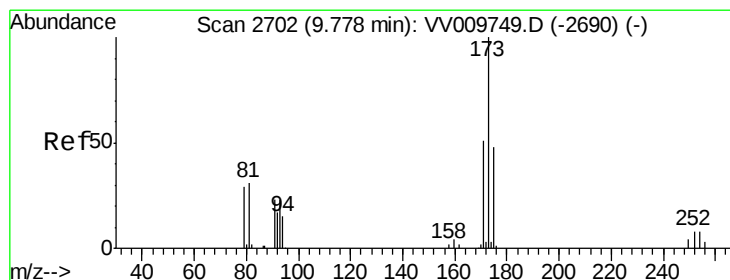
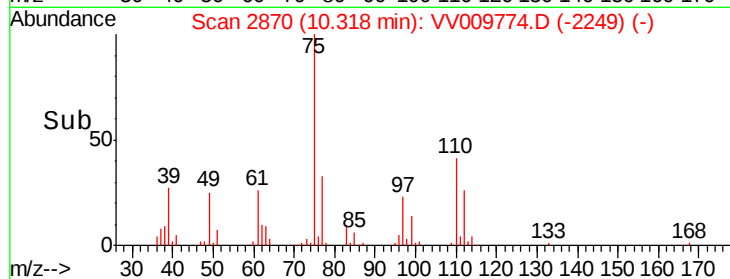
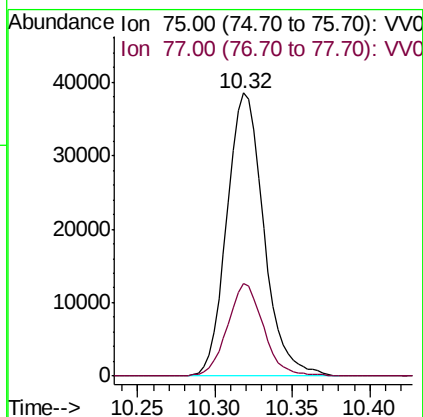
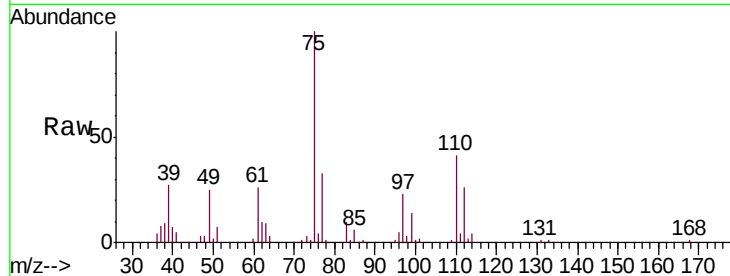




#59
 1,2,3-Trichloropropane
 Concen: 43.894 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV009774.D
 Acq: 19 Mar 2019 10:59

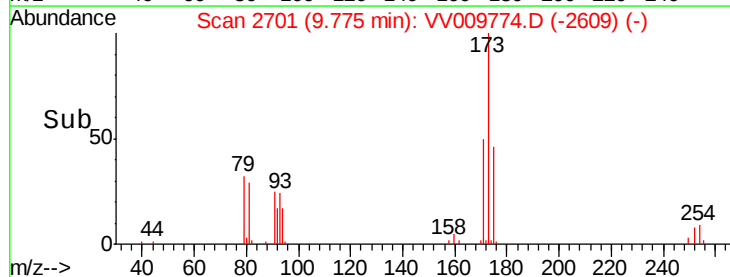
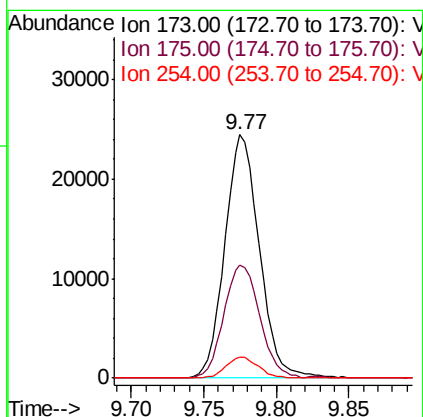
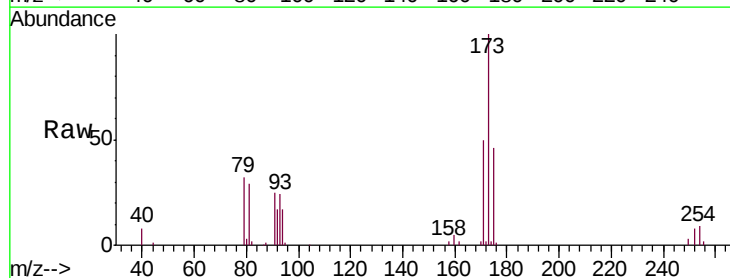
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

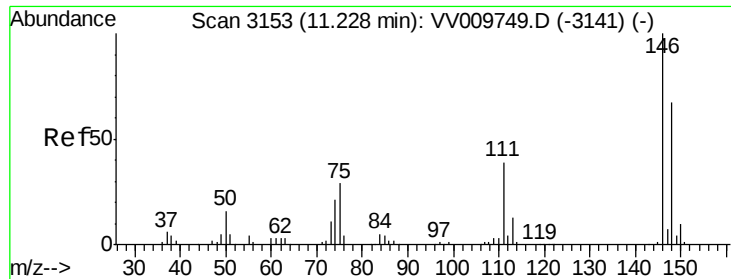
Tgt Ion: 75 Resp: 63858
 Ion Ratio Lower Upper
 75 100
 77 31.9 26.2 39.4



#61
 Bromoform
 Concen: 46.511 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV009774.D
 Acq: 19 Mar 2019 10:59

Tgt Ion: 173 Resp: 40523
 Ion Ratio Lower Upper
 173 100
 175 48.1 38.6 58.0
 254 8.1 6.8 10.2

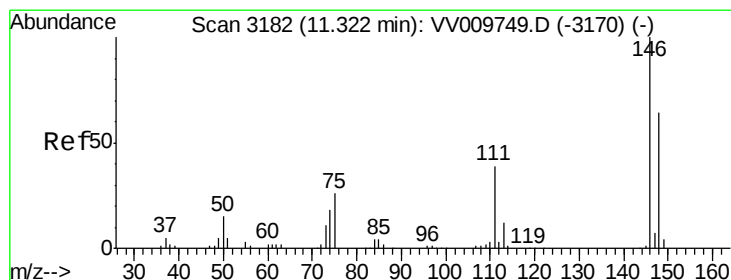
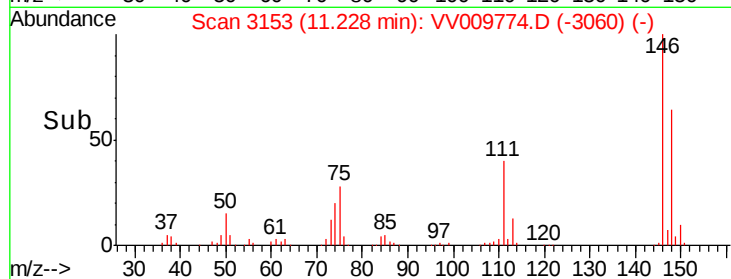
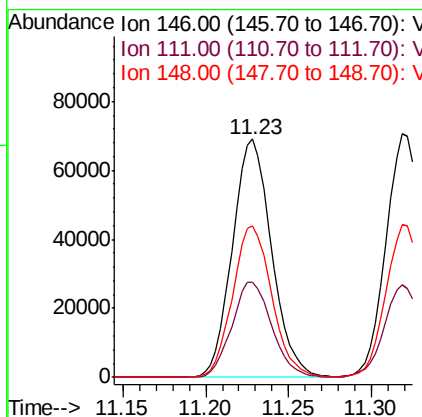
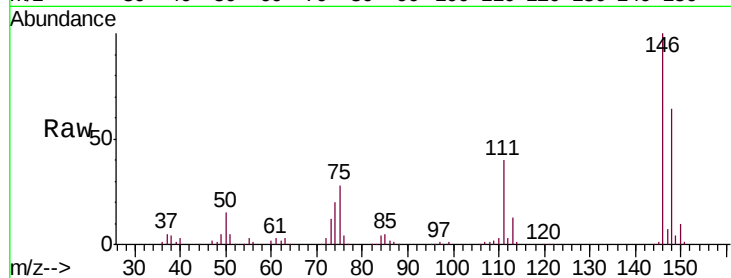




#62
 1,3-Dichlorobenzene
 Concen: 47.276 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV009774.D
 Acq: 19 Mar 2019 10:59

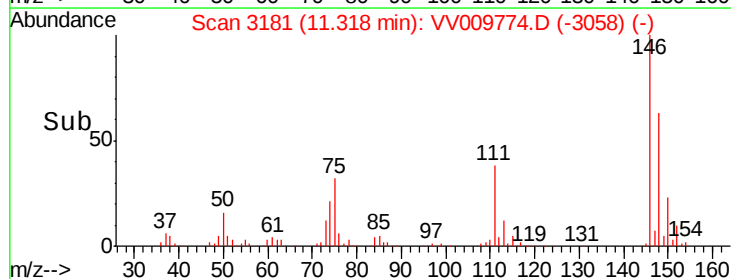
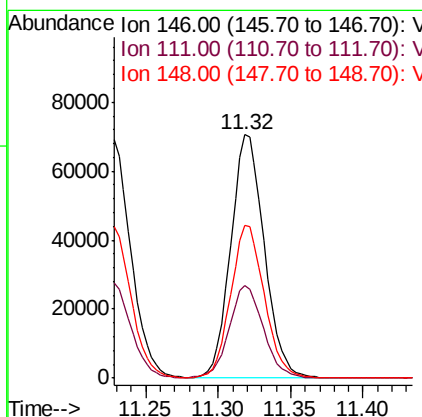
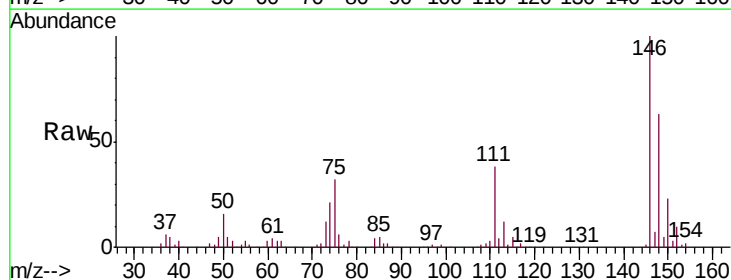
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

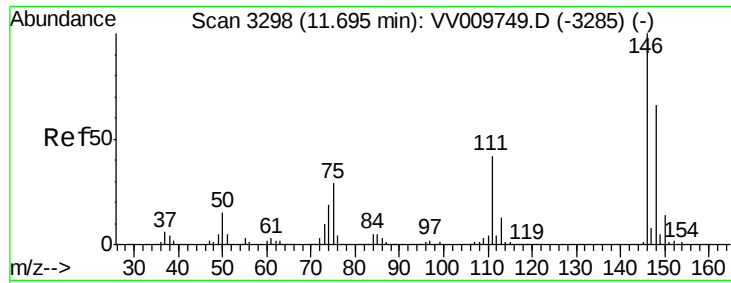
Tgt Ion:146 Resp: 113680
 Ion Ratio Lower Upper
 146 100
 111 39.9 28.8 53.4
 148 63.8 44.8 83.2



#63
 1,4-Dichlorobenzene
 Concen: 46.839 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV009774.D
 Acq: 19 Mar 2019 10:59

Tgt Ion:146 Resp: 113627
 Ion Ratio Lower Upper
 146 100
 111 38.3 26.7 49.5
 148 62.6 44.3 82.3

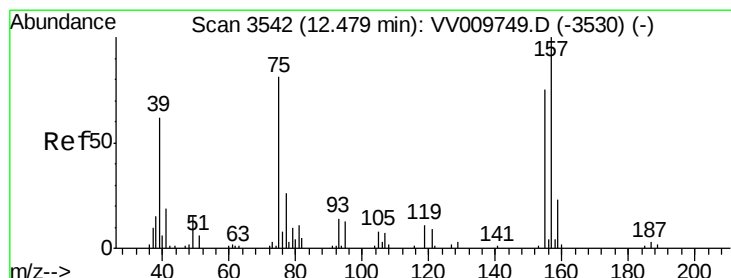
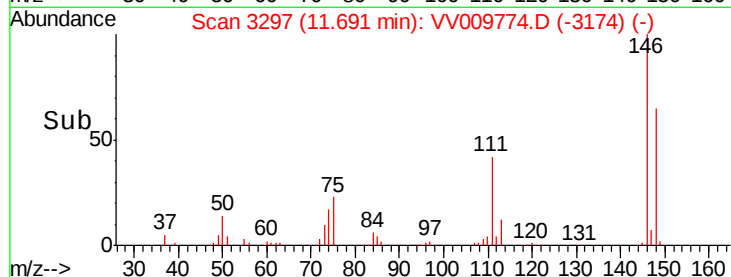
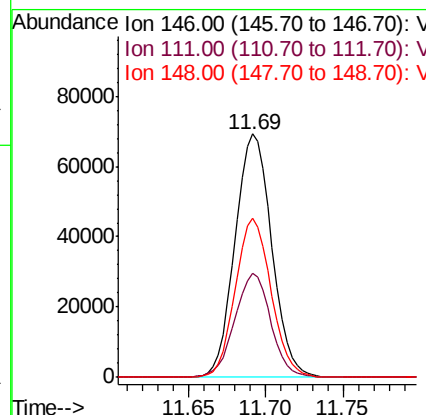
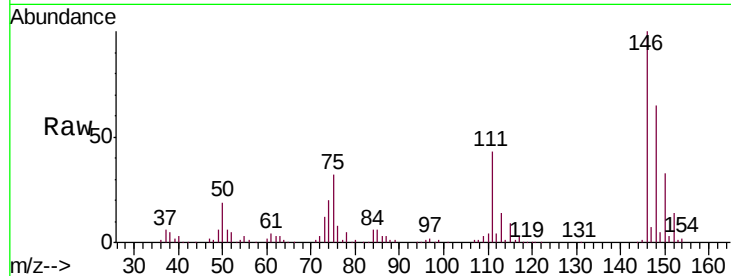




#65
 1,2-Dichlorobenzene
 Concen: 46.413 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VV009774.D
 Acq: 19 Mar 2019 10:59

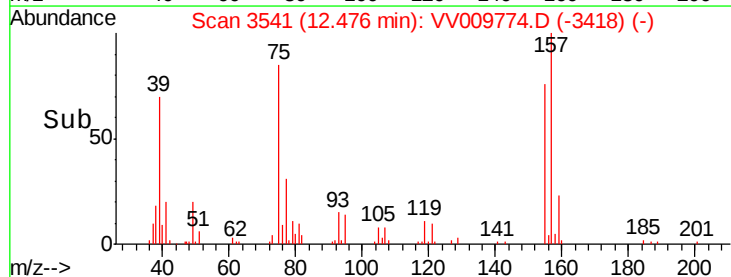
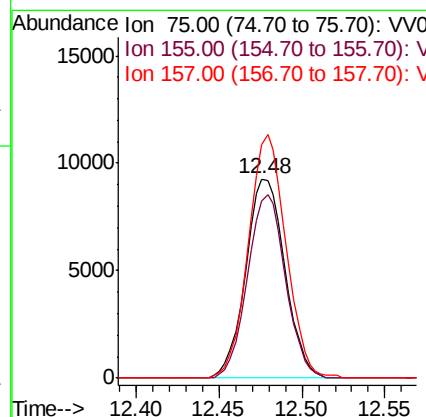
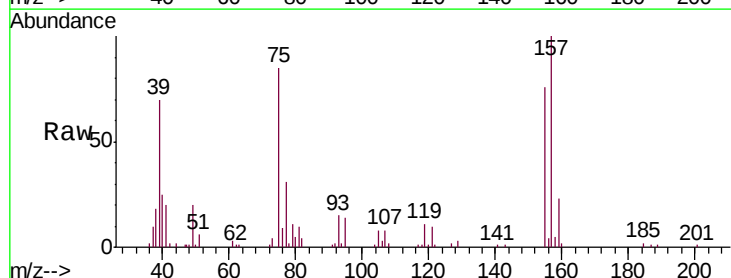
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

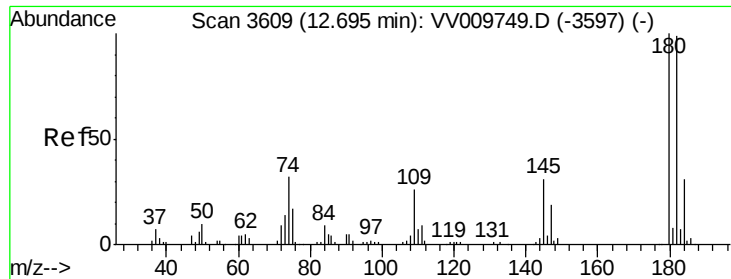
Tgt Ion: 146 Resp: 113876
 Ion Ratio Lower Upper
 146 100
 111 42.6 32.2 48.4
 148 65.2 49.6 74.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 44.665 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. -0.00 min
 Lab File: VV009774.D
 Acq: 19 Mar 2019 10:59

Tgt Ion: 75 Resp: 15222
 Ion Ratio Lower Upper
 75 100
 155 88.8 70.3 105.5
 157 117.0 96.8 145.2

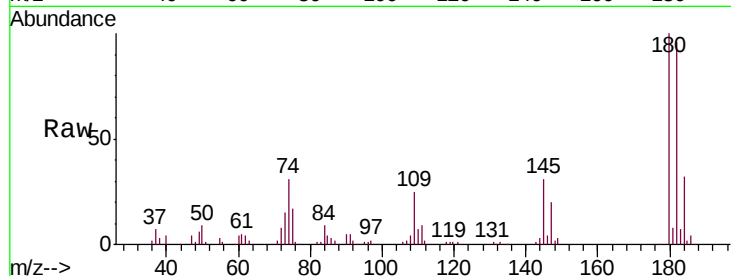




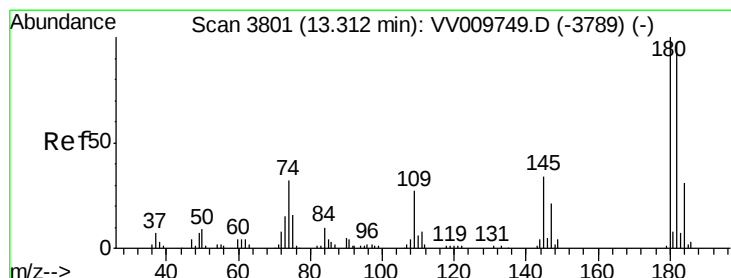
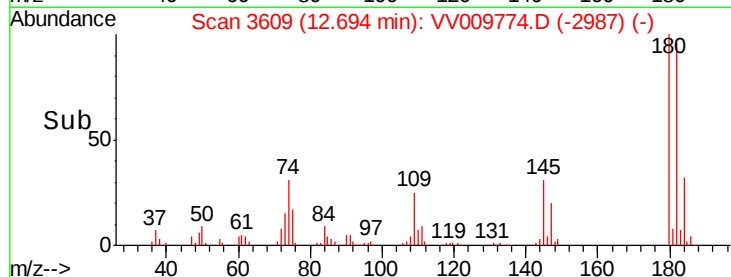
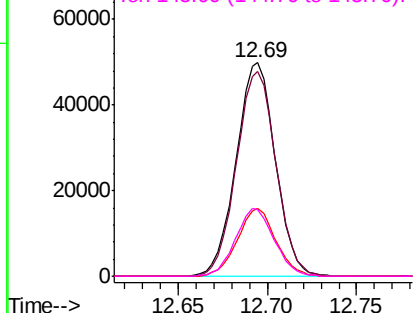
#67
 1,3,5-Trichlorobenzene
 Concen: 50.187 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009774.D
 Acq: 19 Mar 2019 10:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

Tgt Ion:180 Resp: 76750
 Ion Ratio Lower Upper
 180 100
 182 96.3 73.9 110.9
 184 31.0 23.4 35.2
 145 31.0 24.6 37.0

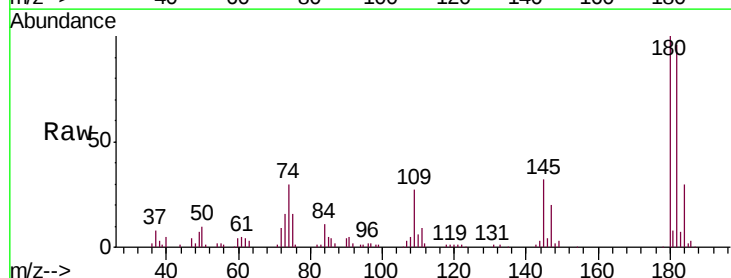


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

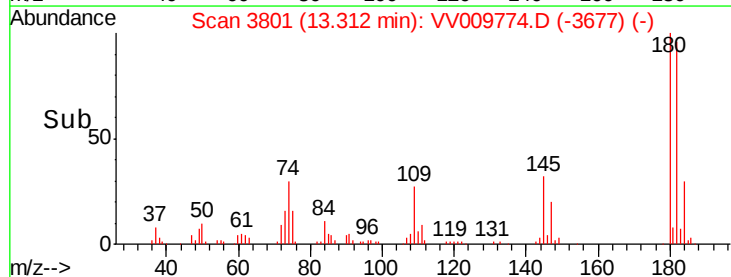
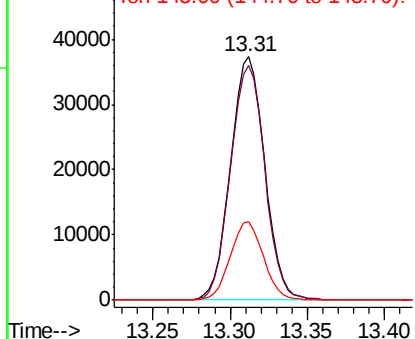


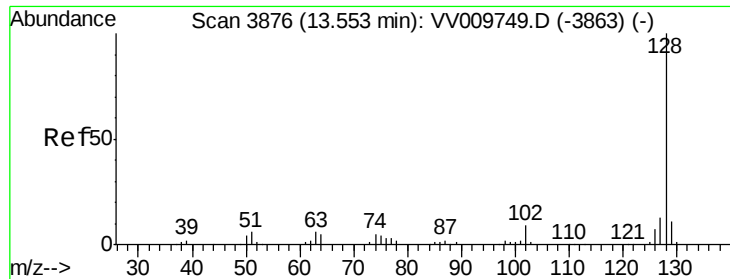
#68
 1,2,4-trichlorobenzene
 Concen: 53.327 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009774.D
 Acq: 19 Mar 2019 10:59

Tgt Ion:180 Resp: 57158
 Ion Ratio Lower Upper
 180 100
 182 97.0 75.7 113.5
 145 31.2 25.3 37.9



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





#69

Naphthalene

Concen: 49.389 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV009774.D

Acq: 19 Mar 2019 10:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD05086

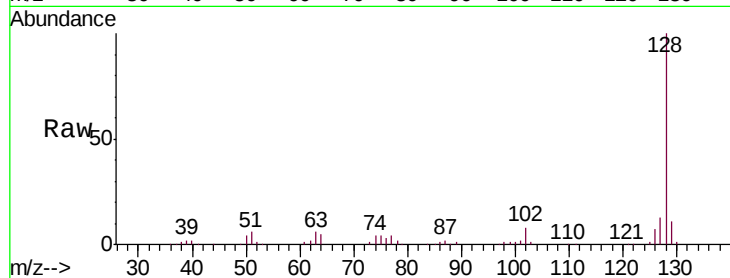
Tgt Ion:128 Resp: 151482

Ion Ratio Lower Upper

128 100

127 12.6 10.8 16.2

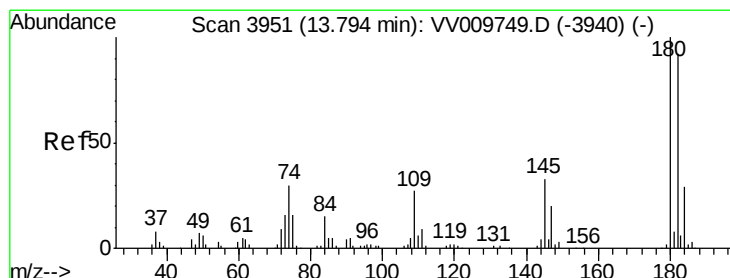
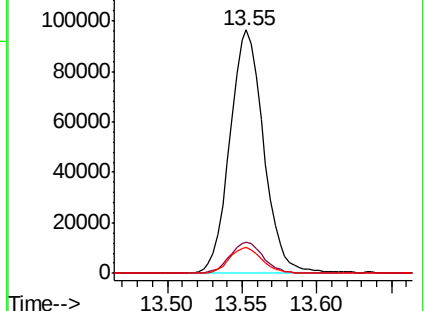
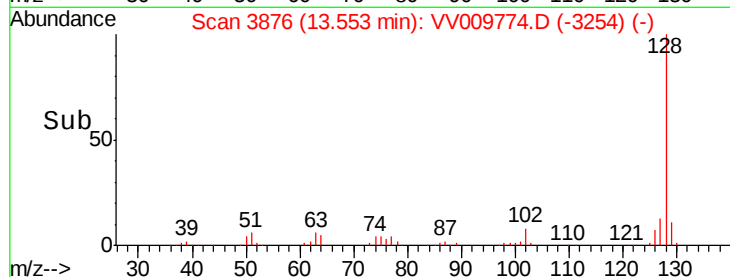
129 10.4 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 54.337 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV009774.D

Acq: 19 Mar 2019 10:59

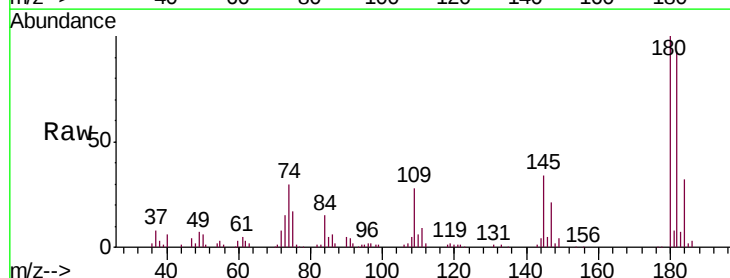
Tgt Ion:180 Resp: 58386

Ion Ratio Lower Upper

180 100

182 93.6 73.3 109.9

145 33.5 26.4 39.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

