

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090618\
 Data File : VV007419.D
 Acq On : 06 Sep 2018 14:28
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0 mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 07 01:23:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090418WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 06 02:12:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	505166	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	509204	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	255498	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	138984	38.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.04%
7) Chloroethane-d5	1.56	69	108000	45.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.38%
11) 1,1-Dichloroethene-d2	2.13	63	261951	41.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.42%
21) 2-Butanone-d5	3.96	46	273502	93.18	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.18%
24) Chloroform-d	4.41	84	348880	46.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.48%
26) 1,2-Dichloroethane-d4	5.09	65	212362	47.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.32%
32) Benzene-d6	5.10	84	640981	41.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.54%
36) 1,2-Dichloropropane-d6	6.12	67	223574	43.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.94%
41) Toluene-d8	7.36	98	583716	44.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.36%
43) trans-1,3-Dichloropropene-	7.67	79	97813	44.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.30%
47) 2-Hexanone-d5	8.14	63	200466	99.43	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.43%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	365959	52.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	259478	47.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	150208	37.464	ug/L 99
3) Chloromethane	1.26	50	248259	58.373	ug/L 100
5) Vinyl chloride	1.33	62	225638	52.328	ug/L 100
6) Bromomethane	1.51	94	90518	43.566	ug/L 100
8) Chloroethane	1.58	64	118404	53.511	ug/L 99
9) Trichlorofluoromethane	1.76	101	280534	51.396	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	177790	52.462	ug/L 99
12) 1,1-Dichloroethene	2.14	96	158756	49.691	ug/L 91
13) Acetone	2.19	43	196532	112.447	ug/L 98
14) Carbon disulfide	2.31	76	437432	48.321	ug/L 100
15) Methyl Acetate	2.46	43	186673	49.031	ug/L 99
16) Methylene chloride	2.53	84	193116	50.830	ug/L 99
17) trans-1,2-Dichloroethene	2.79	96	171864	49.312	ug/L 99
18) Methyl tert-butyl Ether	2.81	73	551712	50.545	ug/L 100
19) 1,1-Dichloroethane	3.23	63	332141	46.014	ug/L 99
20) cis-1,2-Dichloroethene	3.96	96	198888	49.590	ug/L 100
22) 2-Butanone	4.04	43	310305	106.008	ug/L 99

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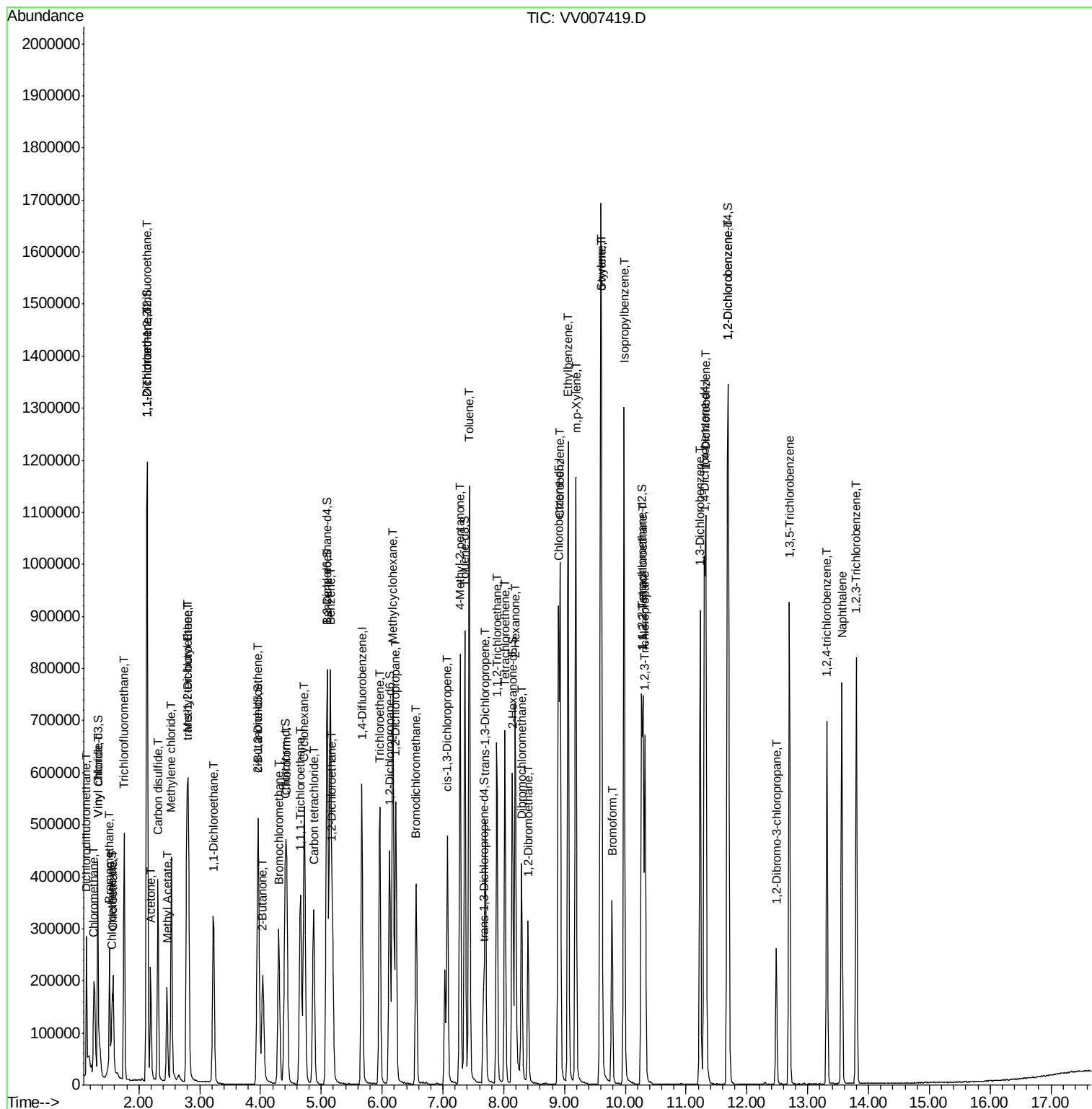
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	105213	50.139	ug/L	99
25) Chloroform	4.43	83	360034	50.674	ug/L	99
27) 1,2-Dichloroethane	5.18	62	265717	49.948	ug/L	100
29) Cyclohexane	4.72	56	272662	48.299	ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	294191	47.308	ug/L	99
31) Carbon tetrachloride	4.87	117	256161	47.589	ug/L	100
33) Benzene	5.15	78	806467	49.514	ug/L	100
34) Trichloroethene	5.96	95	185895	46.753	ug/L	98
35) Methylcyclohexane	6.18	83	298978	50.425	ug/L	99
37) 1,2-Dichloropropane	6.23	63	218377	48.787	ug/L	100
38) Bromodichloromethane	6.56	83	265518	48.581	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	283124	47.104	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	526554	101.830	ug/L	99
42) Toluene	7.43	91	828547	52.879	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	283177	50.386	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	208767	49.416	ug/L	100
46) Tetrachloroethene	8.02	164	159267	49.814	ug/L	98
48) 2-Hexanone	8.19	43	451125	111.867	ug/L	97
49) Dibromochloromethane	8.30	129	216037	49.856	ug/L	99
50) 1,2-Dibromoethane	8.40	107	205980	49.922	ug/L	99
51) Chlorobenzene	8.93	112	536239	50.681	ug/L	99
52) Ethylbenzene	9.06	91	845492	53.210	ug/L	100
53) m,p-Xylene	9.19	106	334040	54.910	ug/L	98
54) o-xylene	9.59	106	317487	53.671	ug/L	100
55) Styrene	9.61	104	600929	58.644	ug/L	99
56) Isopropylbenzene	9.98	105	826852	55.266	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	352389	52.735	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	280051	52.606	ug/L	100
61) Bromoform	9.78	173	162951	46.834	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	387839	49.968	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	431946	51.888	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	452256	52.121	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	68926	46.854	ug/L	98
67) 1,3,5-Trichlorobenzene	12.70	180	305794	51.341	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	227692	49.347	ug/L	100
69) Naphthalene	13.56	128	627067	47.087	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	263853	51.749	ug/L	99

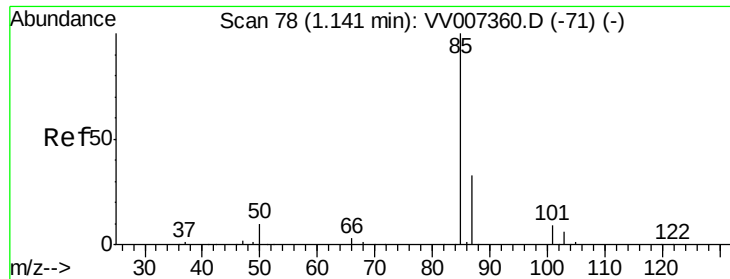
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 37.464 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV007419.D

Acq: 06 Sep 2018 14:28

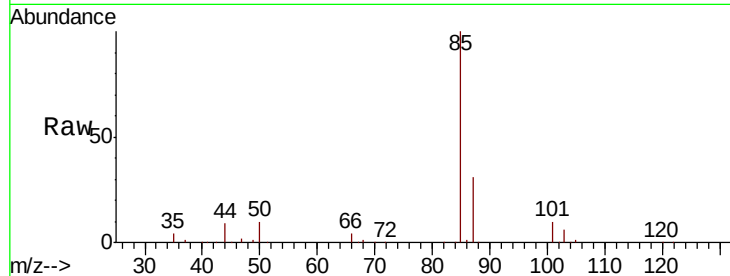
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 150208

Ion Ratio Lower Upper

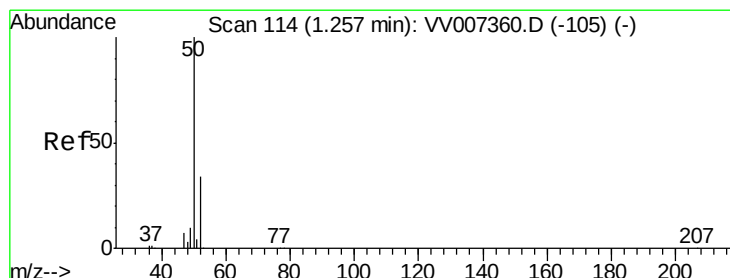
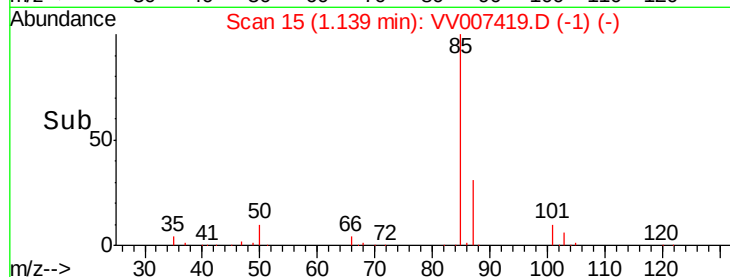
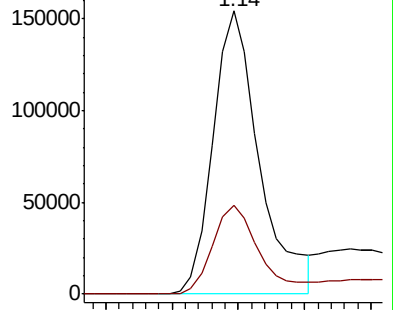
85 100

87 31.9 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VV007360.D (-71) (-)

Ion 87.00 (86.70 to 87.70): VV007360.D (-71) (-)



#3

Chloromethane

Concen: 58.373 ug/L

RT: 1.26 min Scan# 53

Delta R.T. 0.00 min

Lab File: VV007419.D

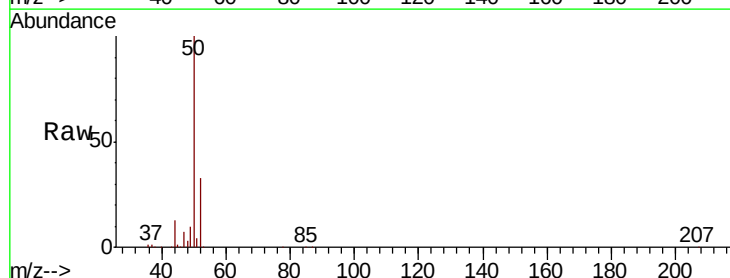
Acq: 06 Sep 2018 14:28

Tgt Ion: 50 Resp: 248259

Ion Ratio Lower Upper

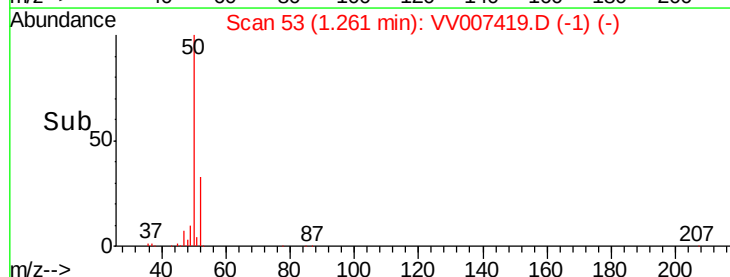
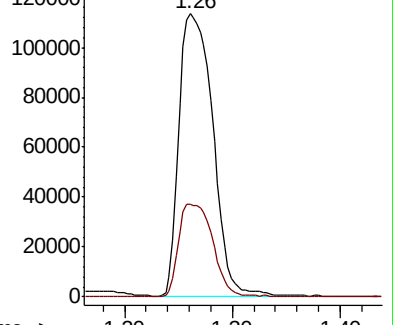
50 100

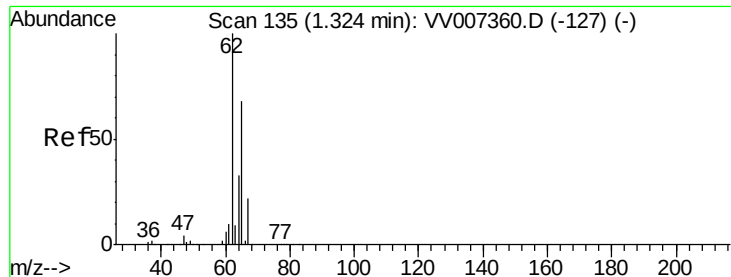
52 32.9 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV007360.D (-105) (-)

Ion 52.00 (51.70 to 52.70): VV007360.D (-105) (-)





#5

Vinyl chloride

Concen: 52.328 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV007419.D

Acq: 06 Sep 2018 14:28

Instrument :

MSVOA_V

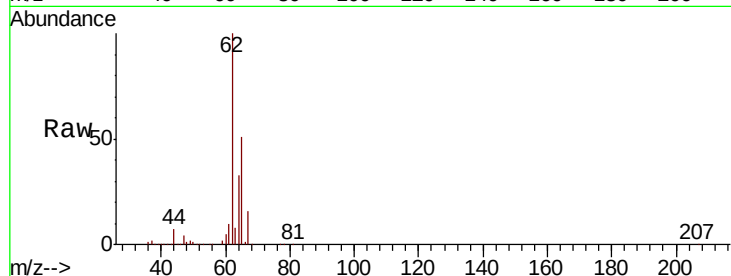
ClientSampleId :

Tot Ion: 62 Resp: 225638

Ion Ratio Lower Upper

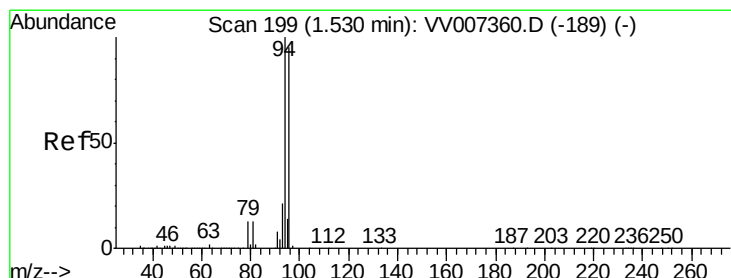
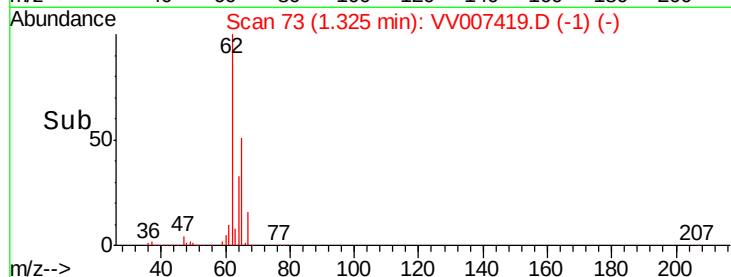
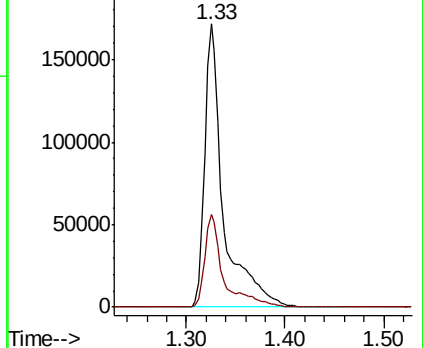
62 100

64 33.0 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV007419.D (-127) (-)

Ion 64.00 (63.70 to 64.70): VV007419.D (-127) (-)



#6

Bromomethane

Concen: 43.566 ug/L

RT: 1.51 min Scan# 132

Delta R.T. 0.00 min

Lab File: VV007419.D

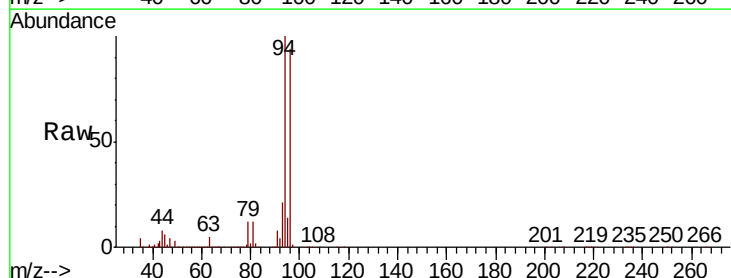
Acq: 06 Sep 2018 14:28

Tgt Ion: 94 Resp: 90518

Ion Ratio Lower Upper

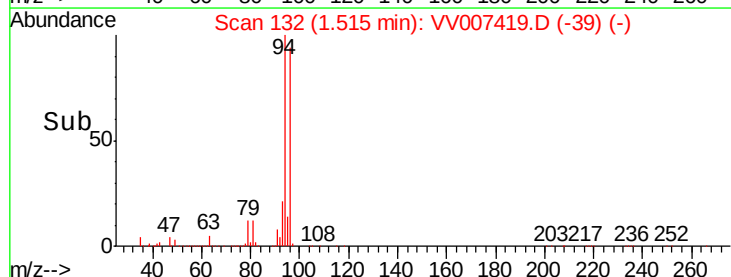
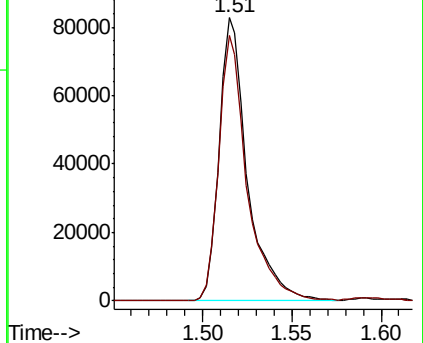
94 100

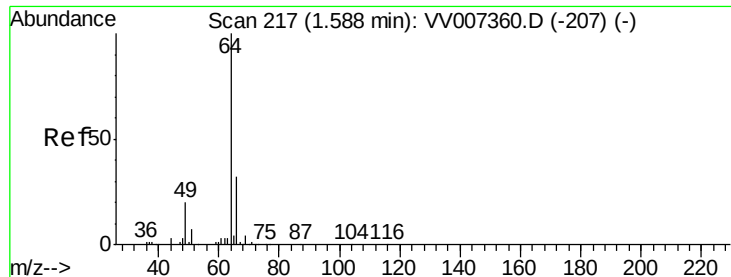
96 93.8 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VV007419.D (-39) (-)

Ion 96.00 (95.70 to 96.70): VV007419.D (-39) (-)

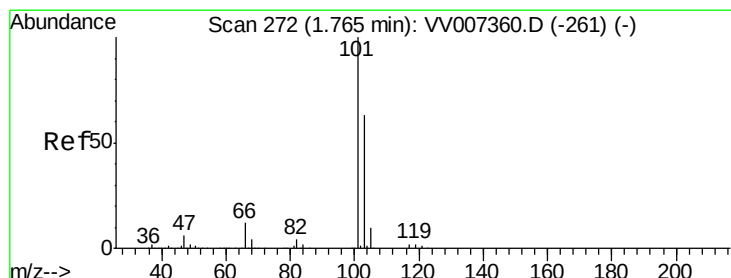
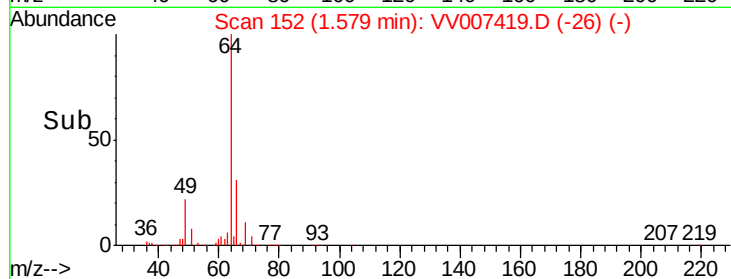
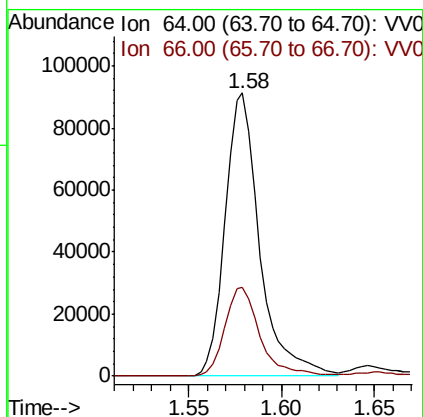
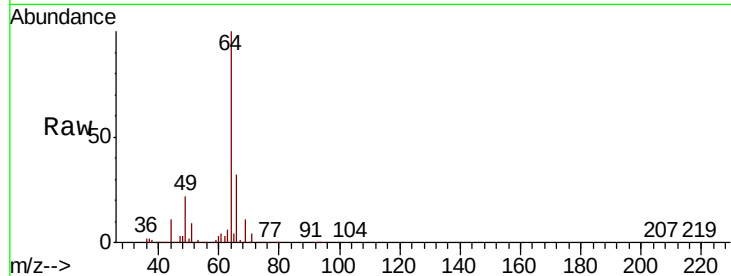




#8
Chloroethane
Concen: 53.511 ug/L
RT: 1.58 min Scan# 152
Delta R.T. 0.00 min
Lab File: VV007419.D
Acq: 06 Sep 2018 14:28

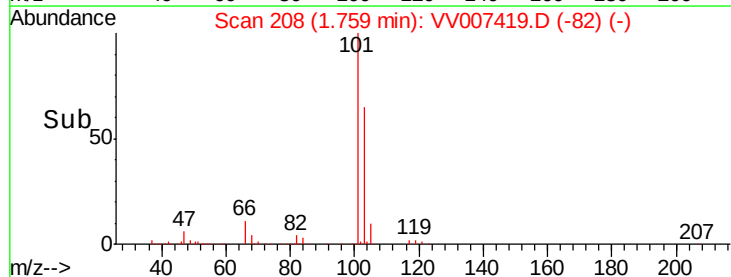
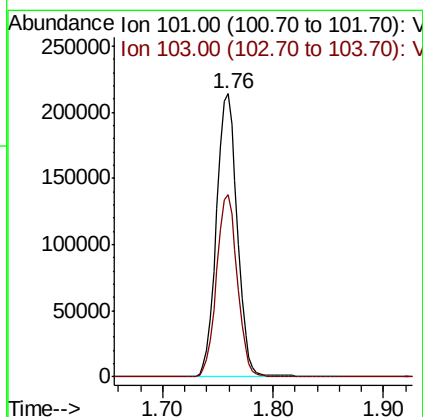
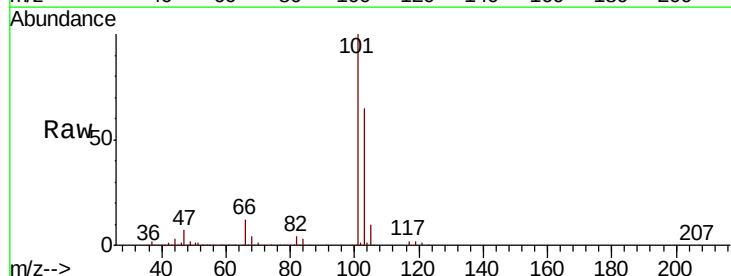
Instrument :
MSVOA_V
ClientSampled :

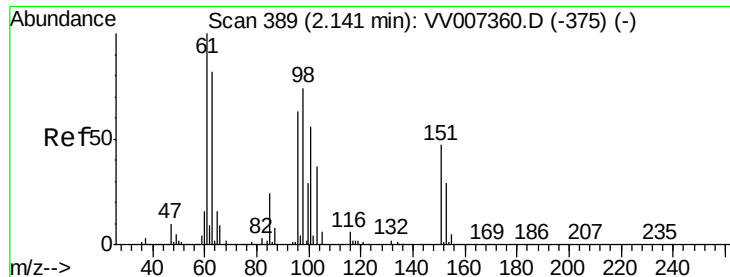
Tot Ion: 64 Resp: 118404
Ion Ratio Lower Upper
64 100
66 31.6 22.6 42.0



#9
Trichlorofluoromethane
Concen: 51.396 ug/L
RT: 1.76 min Scan# 208
Delta R.T. 0.00 min
Lab File: VV007419.D
Acq: 06 Sep 2018 14:28

Tgt Ion: 101 Resp: 280534
Ion Ratio Lower Upper
101 100
103 64.0 51.8 77.8





#10

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

Concen: 52.462 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV007419.D

Acq: 06 Sep 2018 14:28

Instrument :

MSVOA_V

ClientSampled :

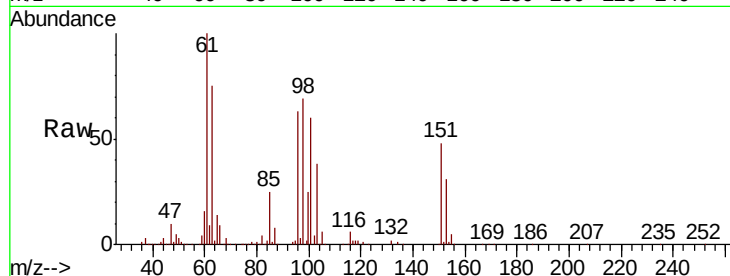
Tot Ion:101 Resp: 177790

Ion Ratio Lower Upper

101 100

85 40.6 32.7 49.1

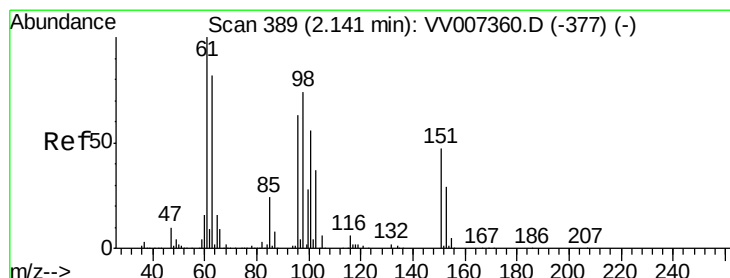
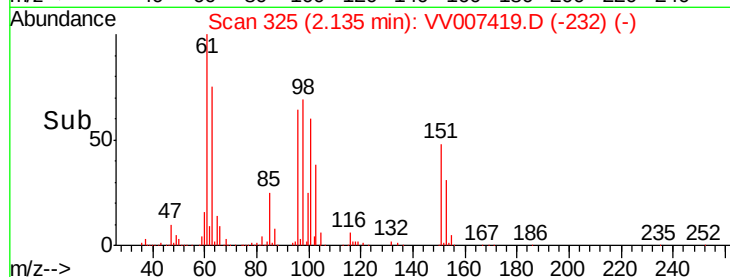
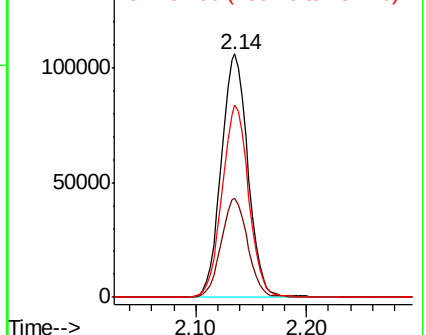
151 78.9 64.5 96.7



Abundance Ion 101.00 (100.70 to 101.70): VV007419.D (-325) (-)

Ion 85.00 (84.70 to 85.70): VV007419.D (-325) (-)

Ion 151.00 (150.70 to 151.70): VV007419.D (-325) (-)



#12

1,1-Dichloroethene

Concen: 49.691 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV007419.D

Acq: 06 Sep 2018 14:28

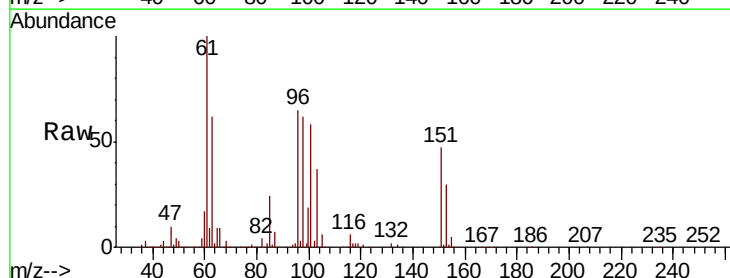
Tgt Ion: 96 Resp: 158756

Ion Ratio Lower Upper

96 100

61 153.7 108.6 201.8

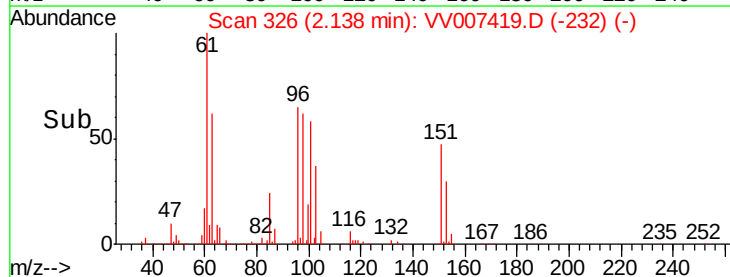
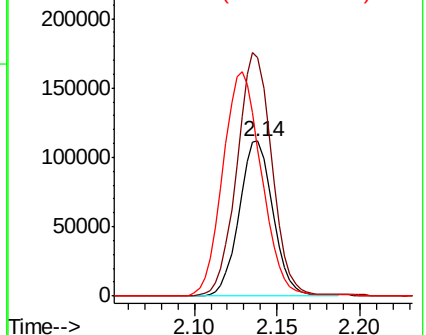
63 94.6 81.5 151.3

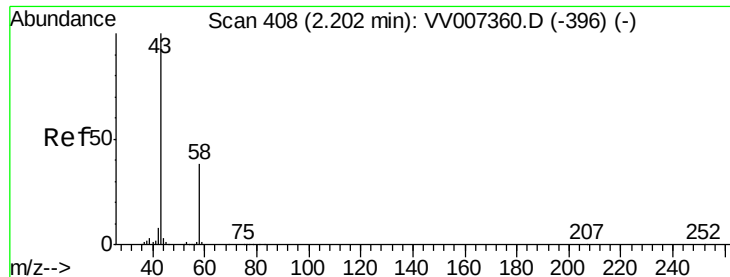


Abundance Ion 96.00 (95.70 to 96.70): VV007419.D (-326) (-)

Ion 61.00 (60.70 to 61.70): VV007419.D (-326) (-)

Ion 63.00 (62.70 to 63.70): VV007419.D (-326) (-)





#13

Acetone

Concen: 112.447 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

Lab File: VV007419.D

Acq: 06 Sep 2018 14:28

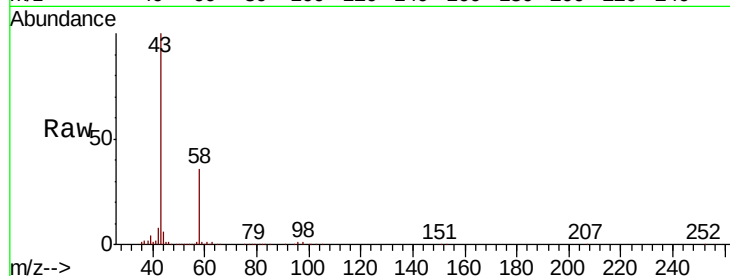
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 196532

Ion Ratio Lower Upper

43 100

58 36.6 0.0 71.2



Abundance Ion 43.00 (42.70 to 43.70): VV007360.D (-396) (-)

Ion 58.00 (57.70 to 58.70): VV007360.D (-396) (-)

2.19

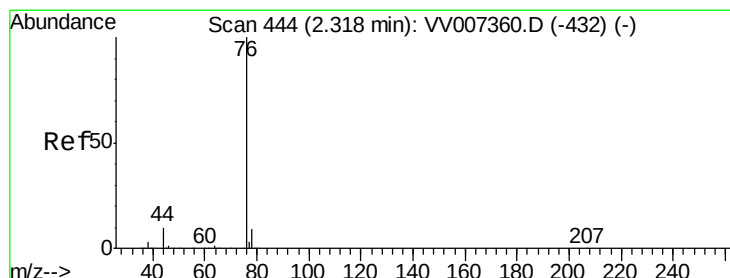
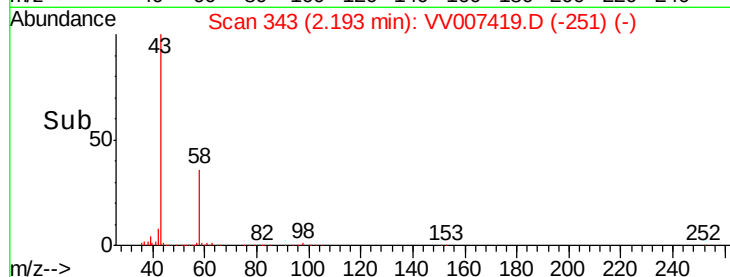
150000

100000

50000

0

Time-->



#14

Carbon disulfide

Concen: 48.321 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV007419.D

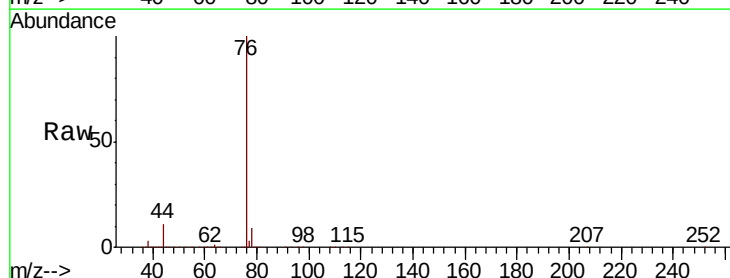
Acq: 06 Sep 2018 14:28

Tgt Ion: 76 Resp: 437432

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV007360.D (-432) (-)

Ion 78.00 (77.70 to 78.70): VV007360.D (-432) (-)

2.31

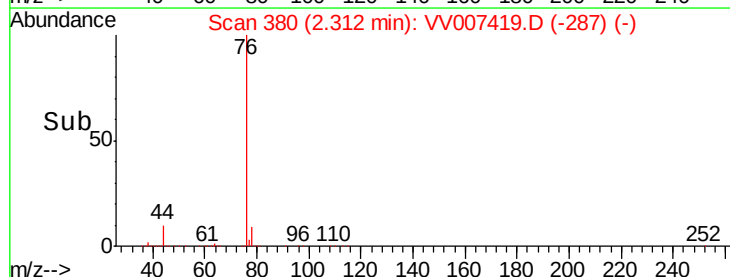
300000

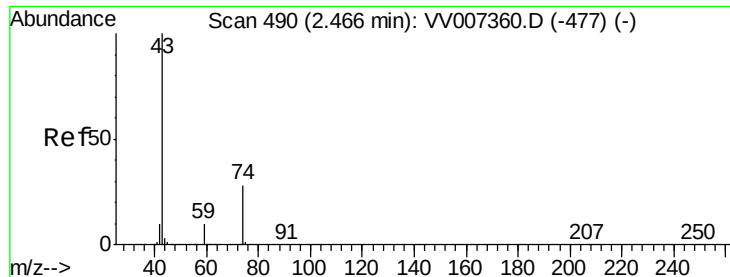
200000

100000

0

Time-->

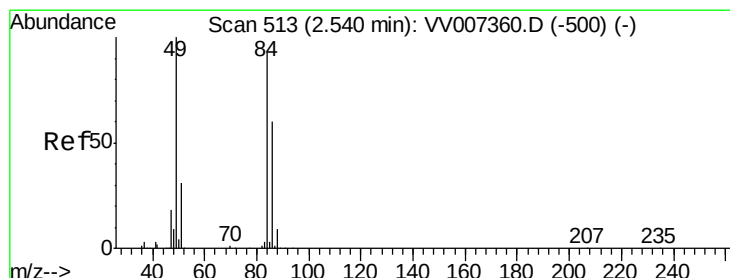
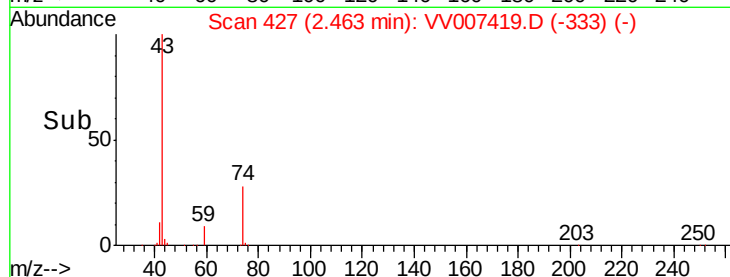
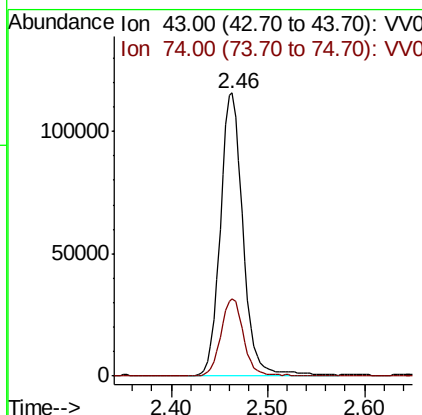
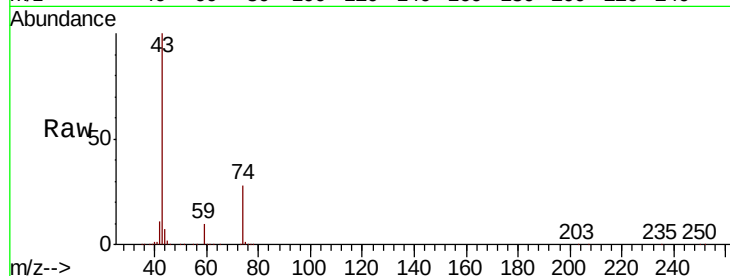




#15
Methvl Acetate
Concen: 49.031 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV007419.D
Acq: 06 Sep 2018 14:28

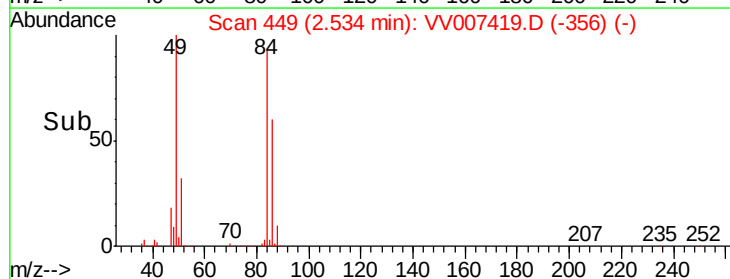
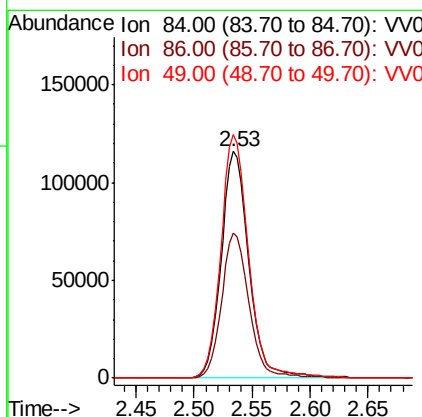
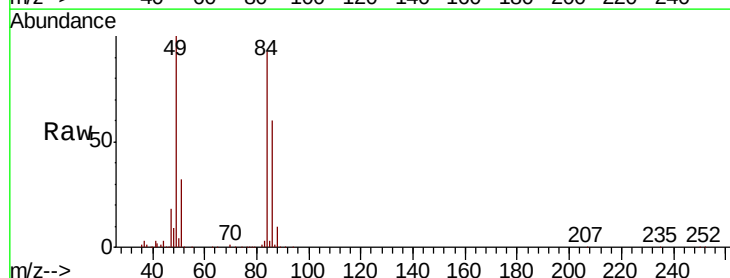
Instrument :
MSVOA_V
ClientSampleId :

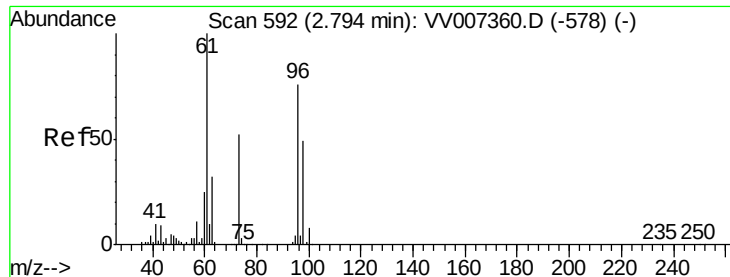
Tot Ion: 43 Resp: 186673
Ion Ratio Lower Upper
43 100
74 27.4 21.5 32.3



#16
Methylene chloride
Concen: 50.830 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV007419.D
Acq: 06 Sep 2018 14:28

Tgt Ion: 84 Resp: 193116
Ion Ratio Lower Upper
84 100
86 63.9 45.3 84.1
49 107.4 75.6 140.4





#17

trans-1,2-Dichloroethene

Concen: 49.312 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV007419.D

Acq: 06 Sep 2018 14:28

Instrument :
MSVOA_V
ClientSampleId :

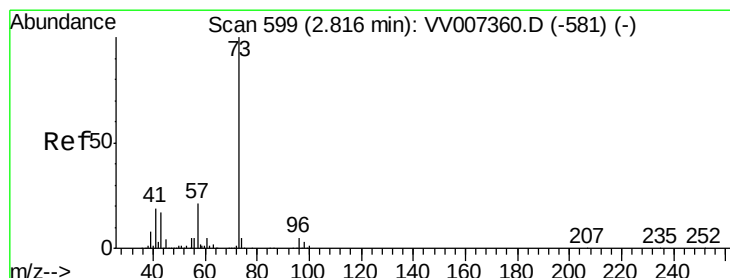
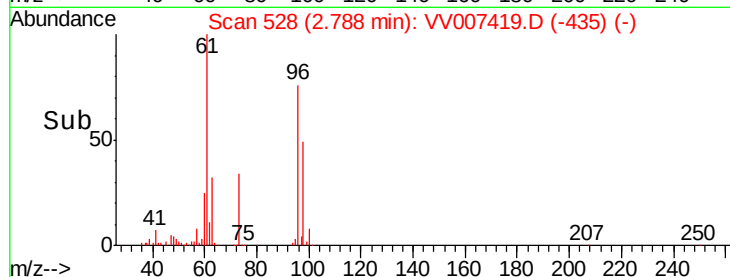
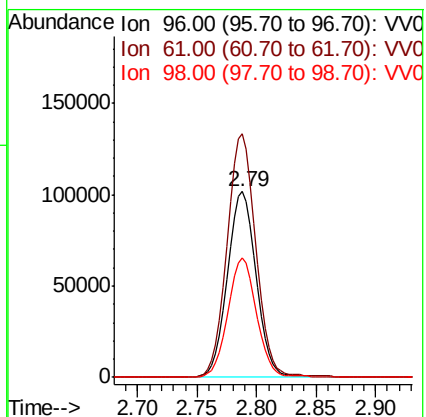
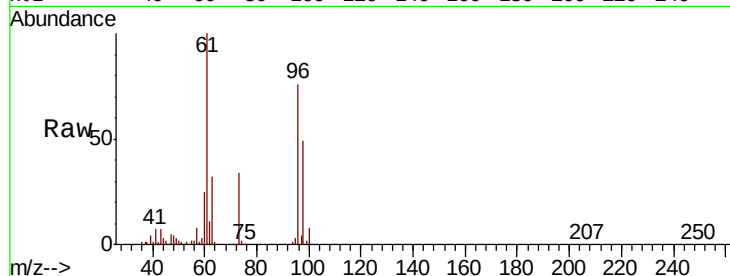
Tot Ion: 96 Resp: 171864

Ion Ratio Lower Upper

96 100

61 131.1 93.1 172.9

98 64.2 44.9 83.5



#18

Methyl tert-butyl Ether

Concen: 50.545 ug/L

RT: 2.81 min Scan# 536

Delta R.T. 0.00 min

Lab File: VV007419.D

Acq: 06 Sep 2018 14:28

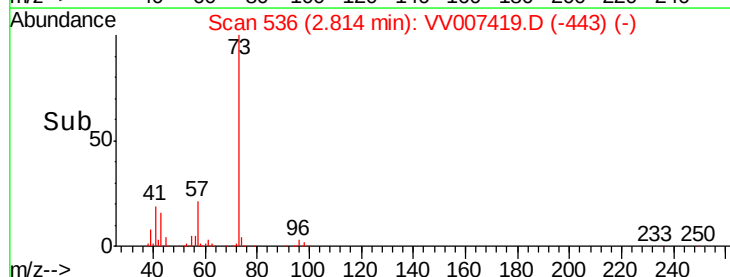
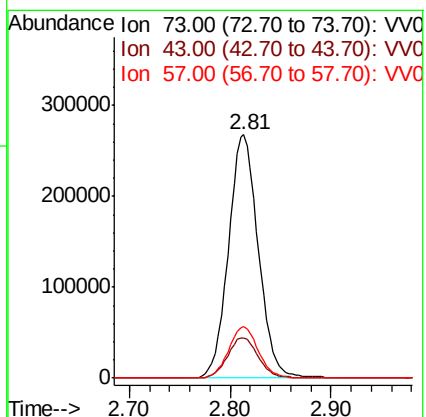
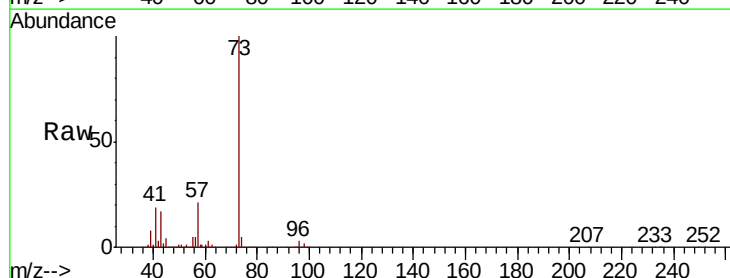
Tgt Ion: 73 Resp: 551712

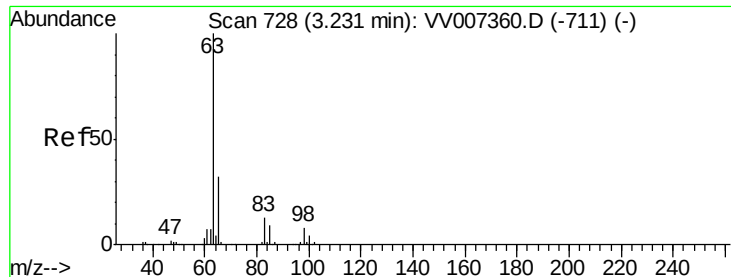
Ion Ratio Lower Upper

73 100

43 16.9 13.4 20.2

57 21.3 17.0 25.4

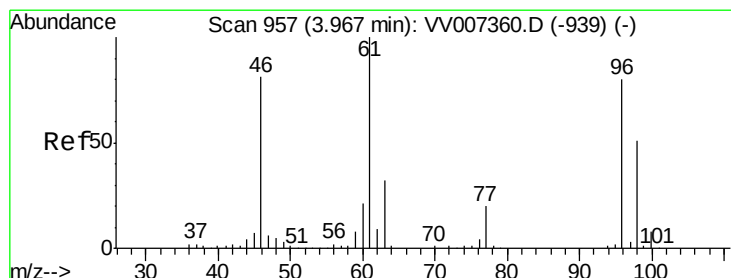
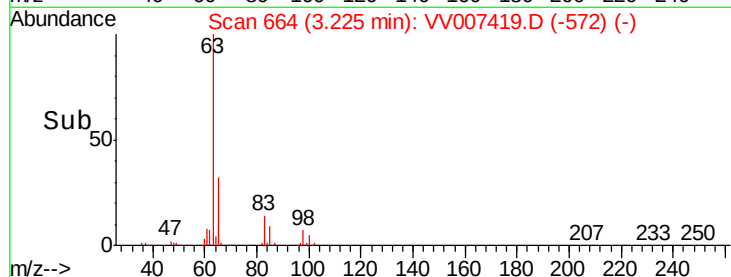
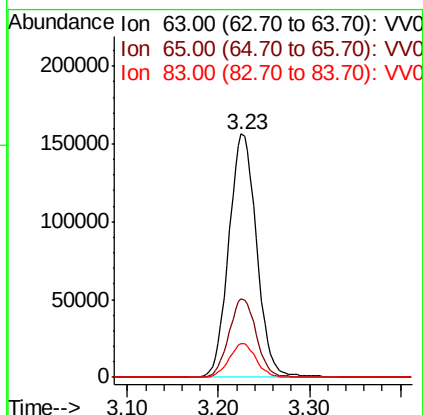
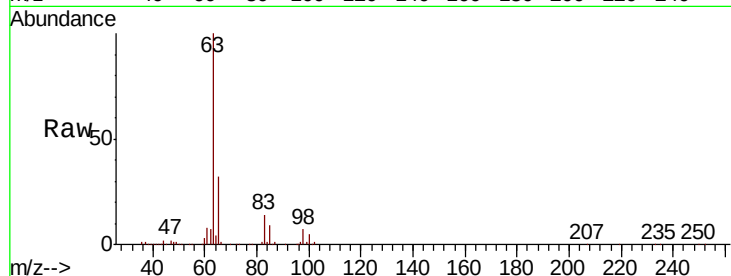




#19
 1,1-Dichloroethane
 Concen: 46.014 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV007419.D
 Acq: 06 Sep 2018 14:28

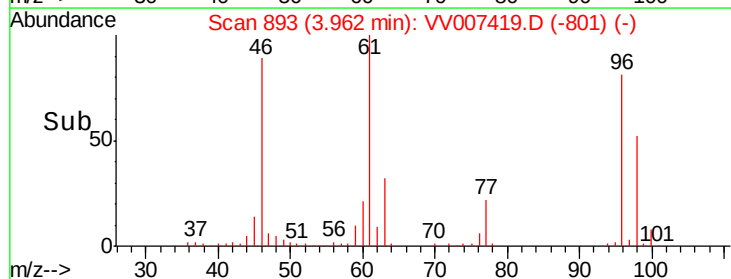
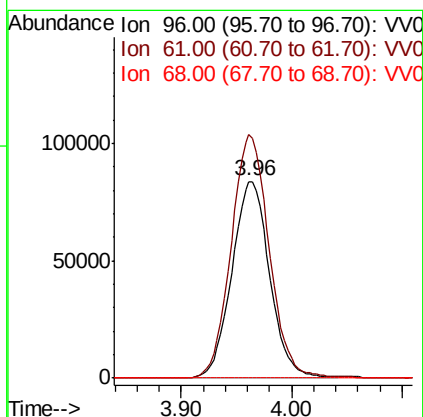
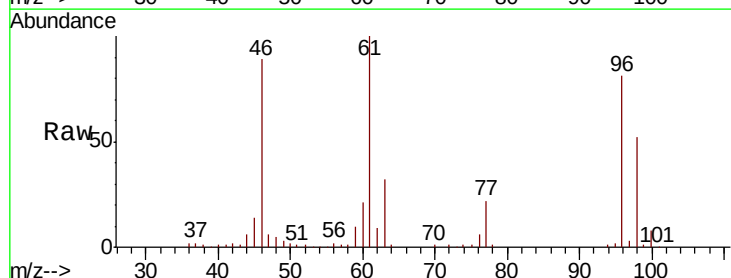
Instrument :
 MSVOA_V
 ClientSampleId :

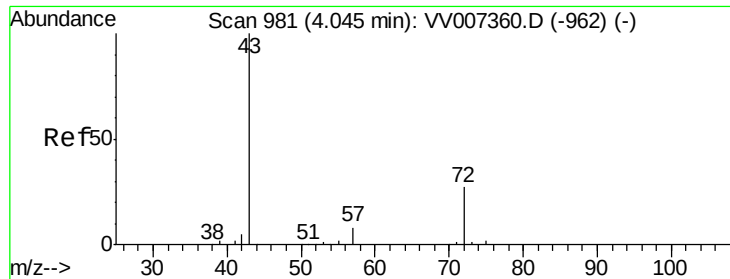
Tot Ion: 63 Resp: 332141
 Ion Ratio Lower Upper
 63 100
 65 32.4 22.5 41.9
 83 13.9 9.0 16.8



#20
 cis-1,2-Dichloroethene
 Concen: 49.590 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV007419.D
 Acq: 06 Sep 2018 14:28

Tgt Ion: 96 Resp: 198888
 Ion Ratio Lower Upper
 96 100
 61 123.9 86.8 161.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 106.008 ug/L

RT: 4.04 min Scan# 917

Delta R.T. -0.00 min

Lab File: VV007419.D

Acq: 06 Sep 2018 14:28

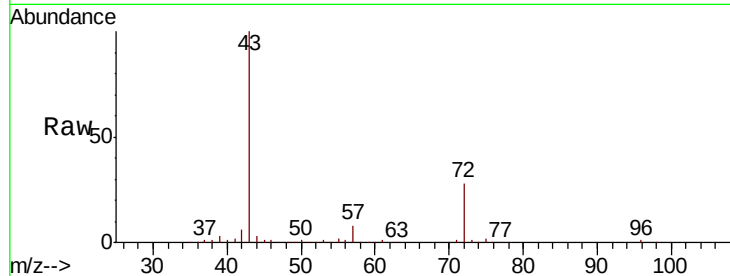
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 310305

Ion Ratio Lower Upper

43 100

72 28.0 13.8 41.3



Abundance Ion 43.00 (42.70 to 43.70): VV007360.D (-962) (-)

Ion 72.00 (71.70 to 72.70): VV007360.D (-962) (-)

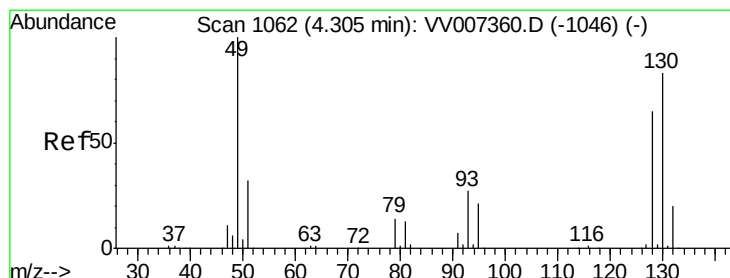
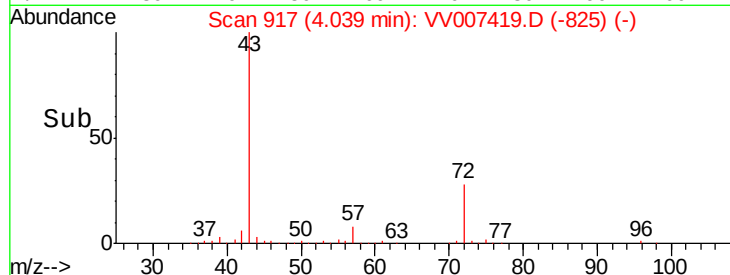
4.04

100000

50000

0

Time-->



#23

Bromochloromethane

Concen: 50.139 ug/L

RT: 4.30 min Scan# 998

Delta R.T. -0.00 min

Lab File: VV007419.D

Acq: 06 Sep 2018 14:28

Tgt Ion: 128 Resp: 105213

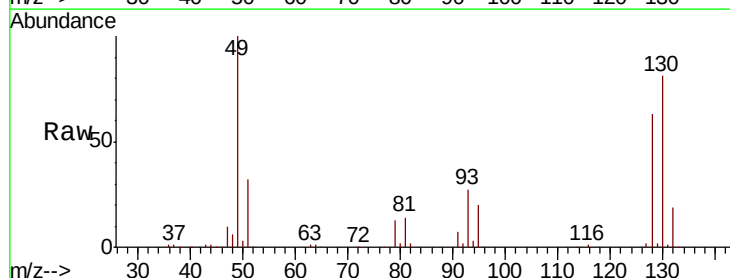
Ion Ratio Lower Upper

128 100

49 159.9 111.2 206.4

130 129.7 89.1 165.5

51 50.9 40.1 60.1



Abundance Ion 128.00 (127.70 to 128.70): VV007360.D (-1046) (-)

Ion 49.00 (48.70 to 49.70): VV007360.D (-1046) (-)

Ion 130.00 (129.70 to 130.70): VV007360.D (-1046) (-)

Ion 51.00 (50.70 to 51.70): VV007360.D (-1046) (-)

4.30

100000

80000

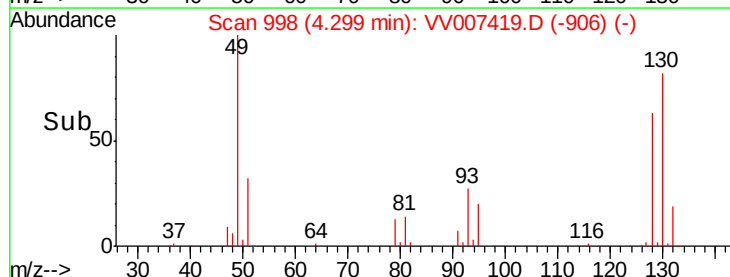
60000

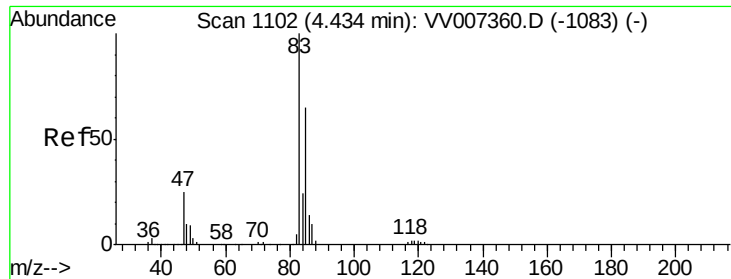
40000

20000

0

Time-->

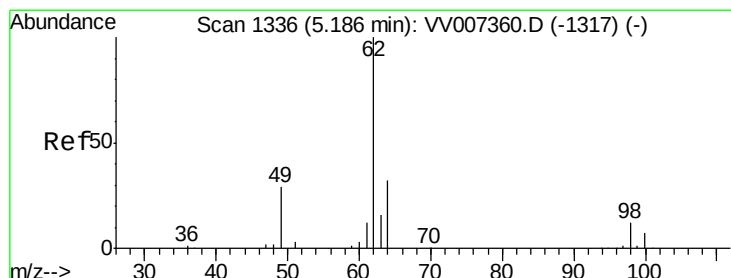
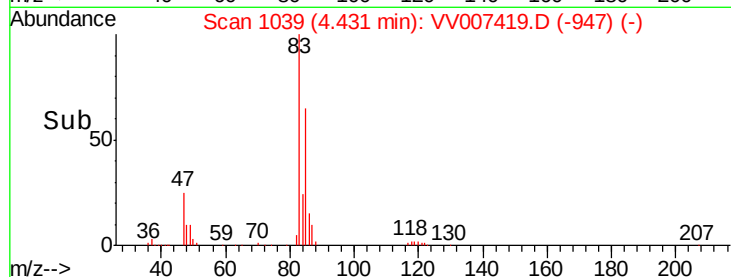
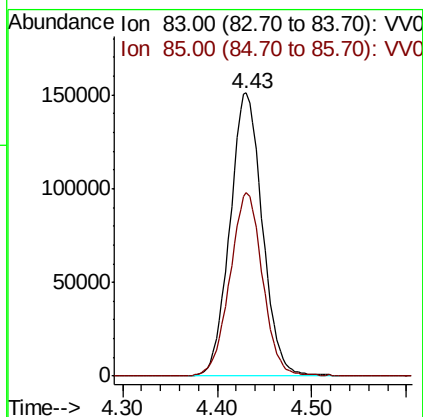
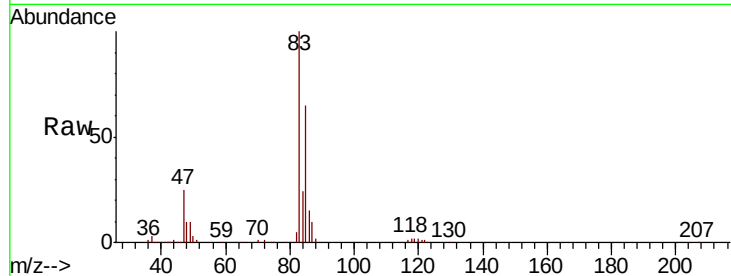




#25
Chloroform
Concen: 50.674 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. -0.00 min
Lab File: VV007419.D
Acq: 06 Sep 2018 14:28

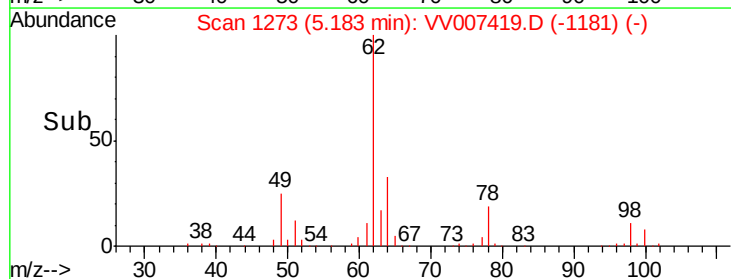
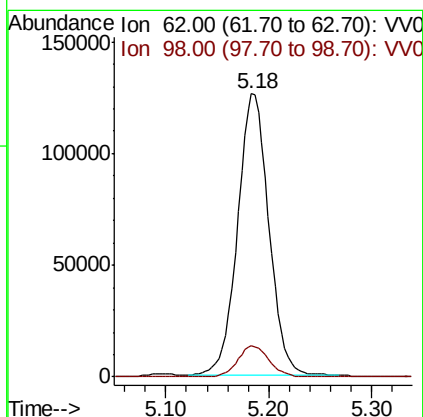
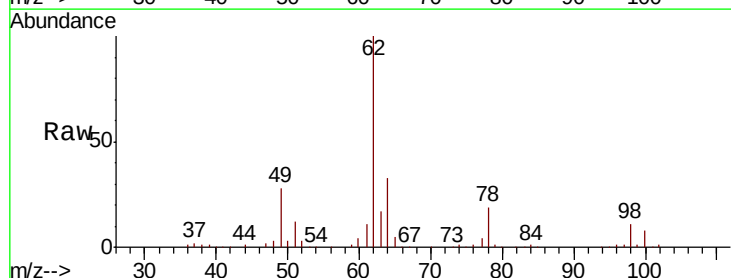
Instrument :
MSVOA_V
ClientSampleId :

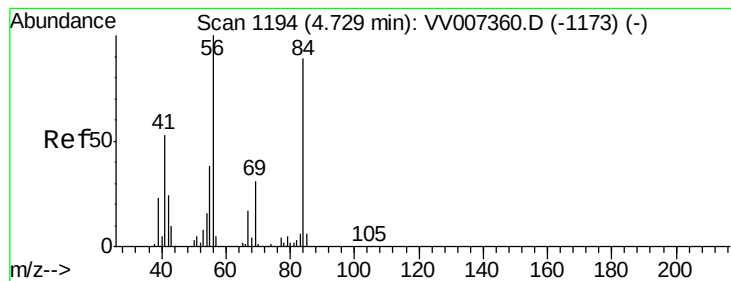
Tot Ion: 83 Resp: 360034
Ion Ratio Lower Upper
83 100
85 65.0 45.1 83.9



#27
1,2-Dichloroethane
Concen: 49.948 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VV007419.D
Acq: 06 Sep 2018 14:28

Tgt Ion: 62 Resp: 265717
Ion Ratio Lower Upper
62 100
98 10.8 8.6 13.0





#29

Cyclohexane

Concen: 48.299 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VV007419.D

Acq: 06 Sep 2018 14:28

Instrument :
MSVOA_V
ClientSampled :

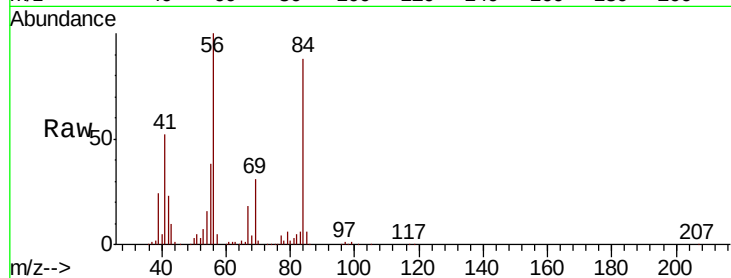
Tot Ion: 56 Resp: 272662

Ion Ratio Lower Upper

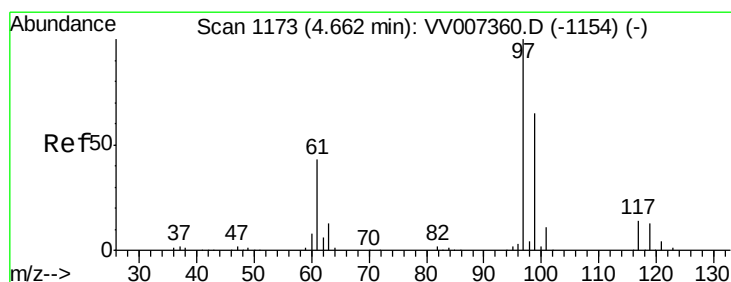
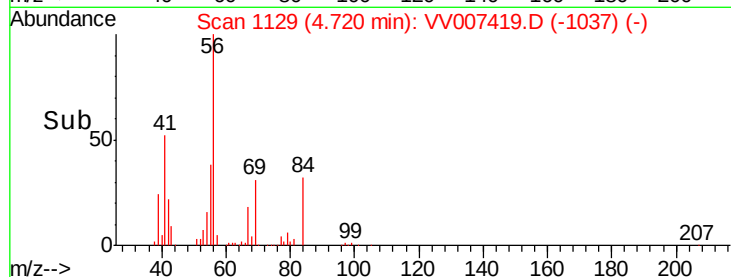
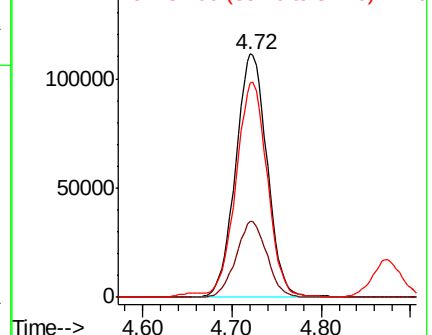
56 100

69 30.7 24.5 36.7

84 88.1 70.6 105.8



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: 47.308 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VV007419.D

Acq: 06 Sep 2018 14:28

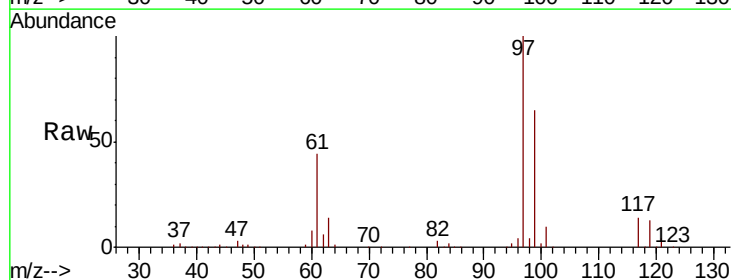
Tgt Ion: 97 Resp: 294191

Ion Ratio Lower Upper

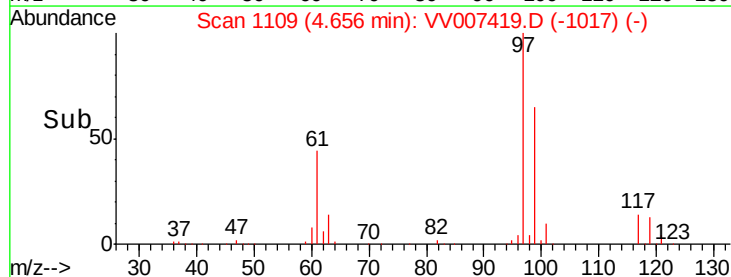
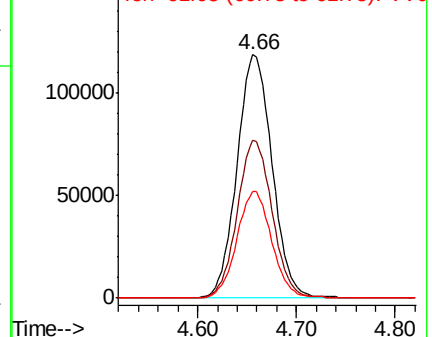
97 100

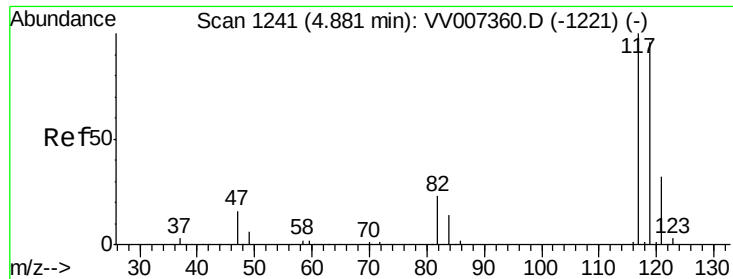
99 64.4 52.1 78.1

61 43.4 34.6 51.8



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



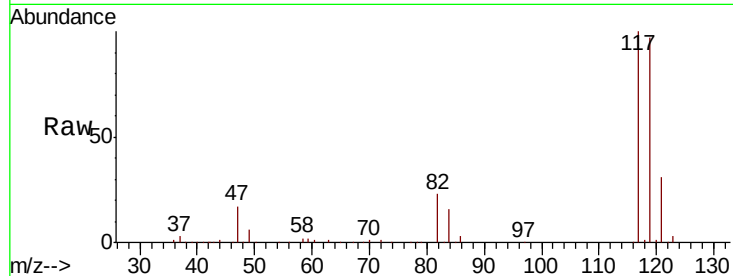


#31

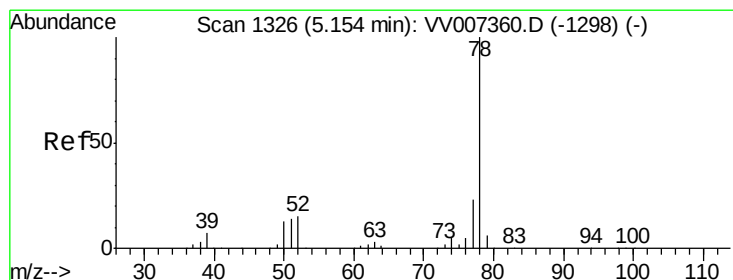
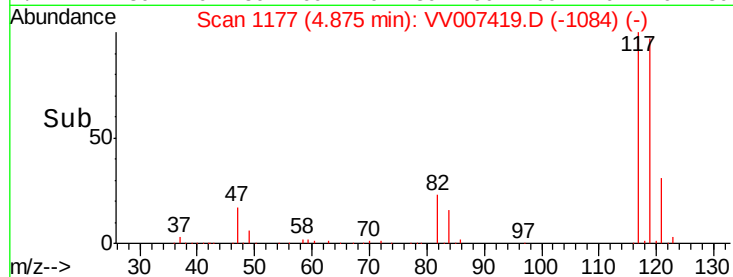
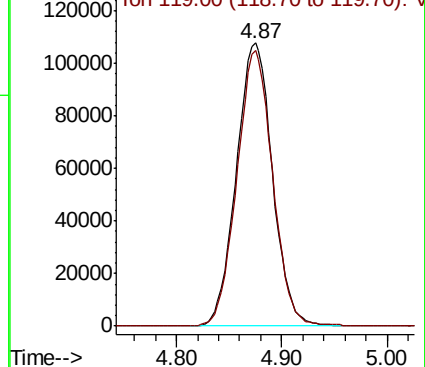
Carbon tetrachloride
Concen: 47.589 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VV007419.D
Acq: 06 Sep 2018 14:28

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:117 Resp: 256161
Ion Ratio Lower Upper
117 100
119 96.2 76.7 115.1



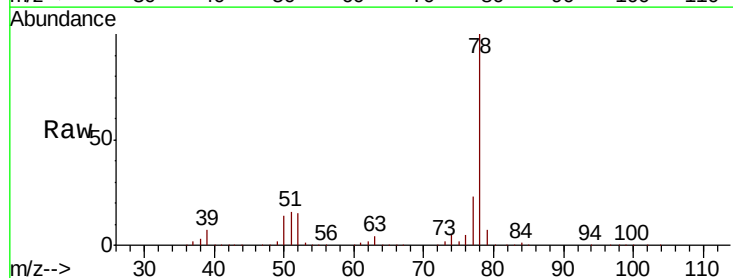
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V



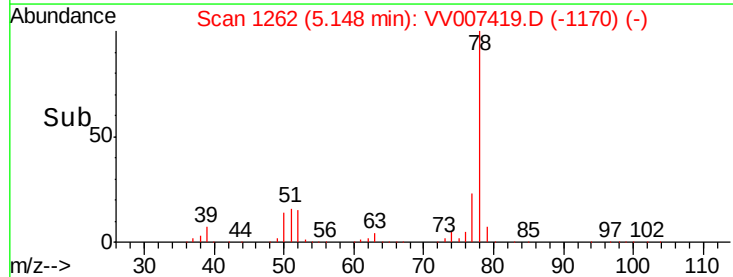
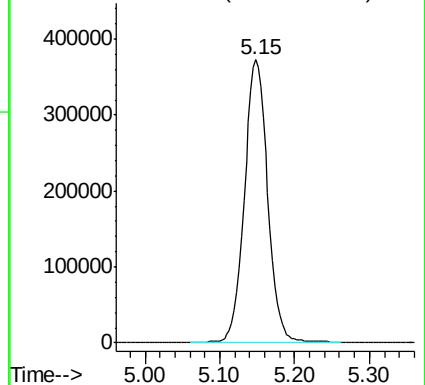
#33

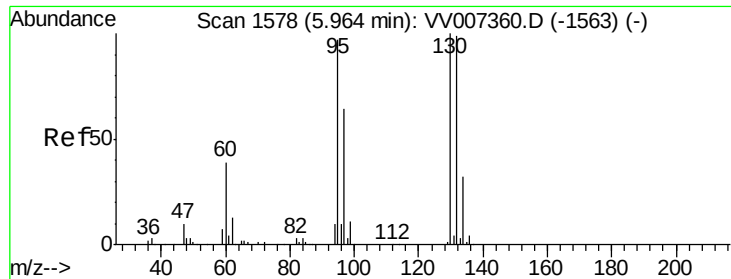
Benzene
Concen: 49.514 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VV007419.D
Acq: 06 Sep 2018 14:28

Tgt Ion: 78 Resp: 806467



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 46.753 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV007419.D

Acq: 06 Sep 2018 14:28

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 185895

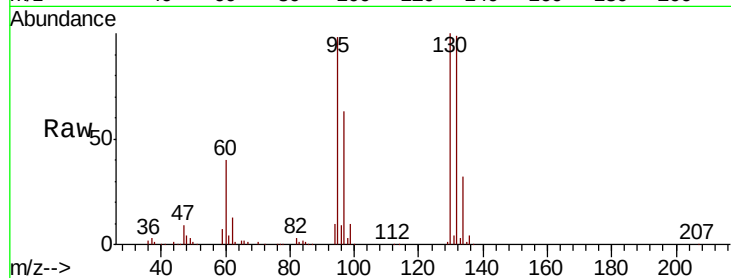
Ion Ratio Lower Upper

95 100

97 63.8 46.1 85.7

132 100.8 70.8 131.6

130 101.7 73.9 137.3

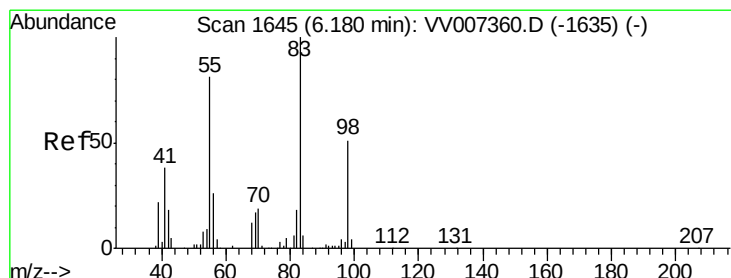
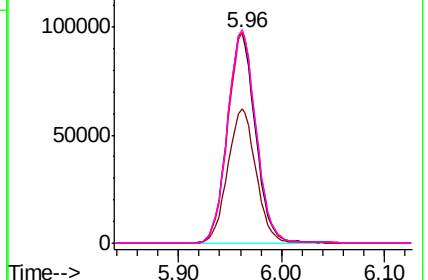
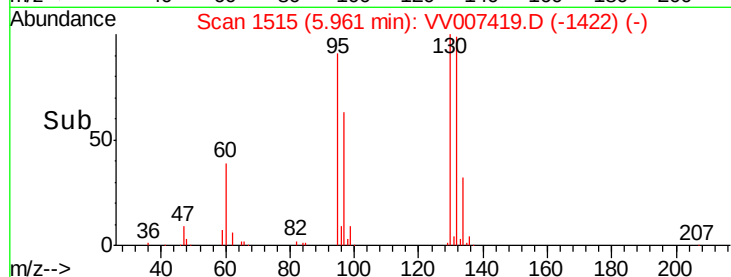


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 50.425 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV007419.D

Acq: 06 Sep 2018 14:28

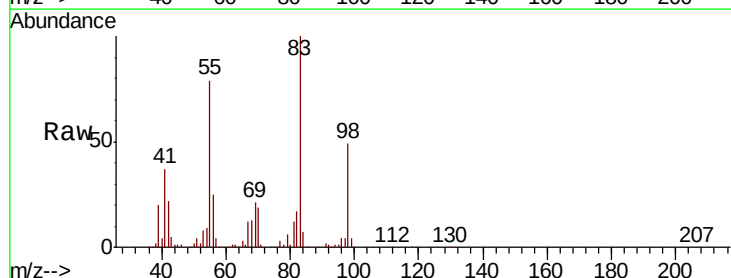
Tgt Ion: 83 Resp: 298978

Ion Ratio Lower Upper

83 100

55 79.5 63.0 94.4

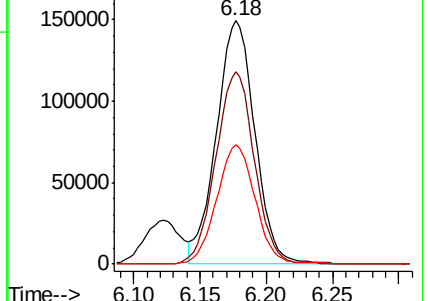
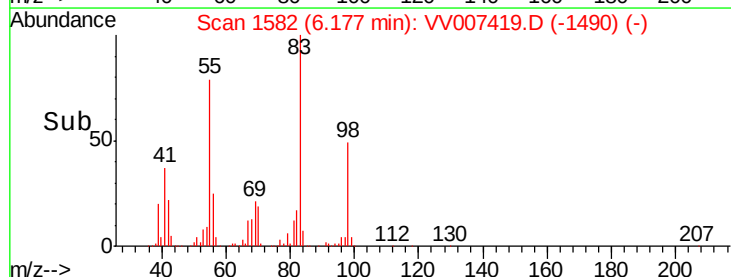
98 49.3 39.0 58.6

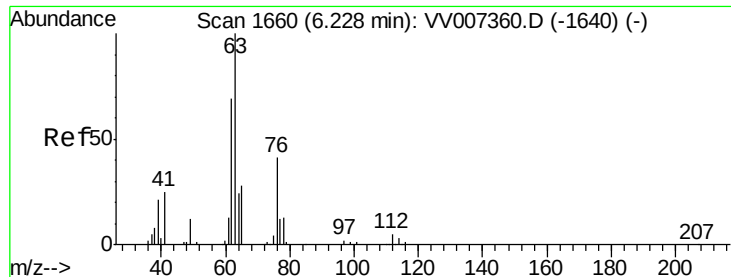


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

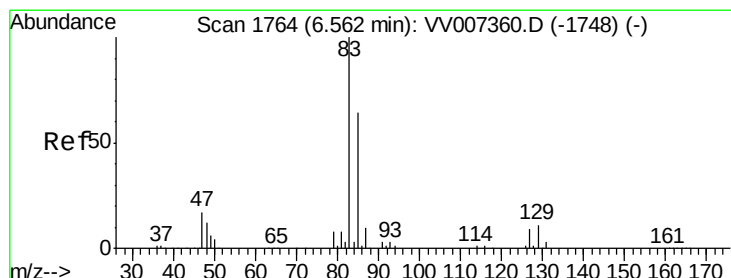
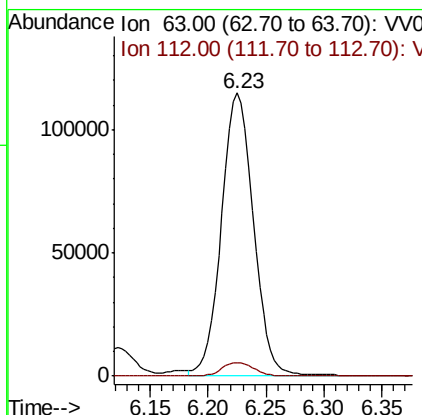
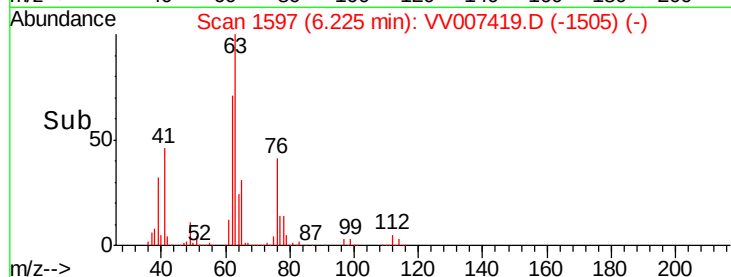
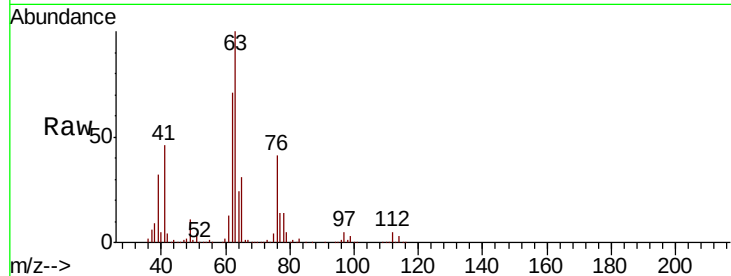




#37
 1,2-Dichloropropane
 Concen: 48.787 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. -0.00 min
 Lab File: VV007419.D
 Acq: 06 Sep 2018 14:28

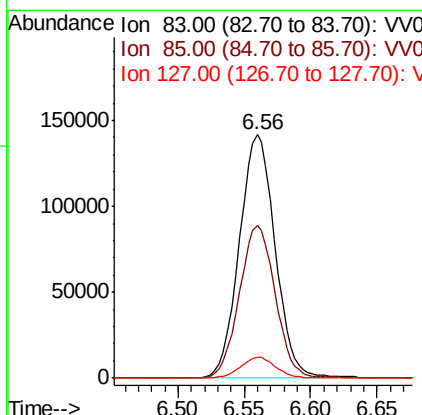
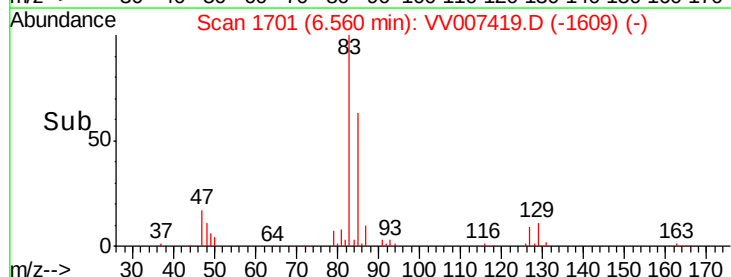
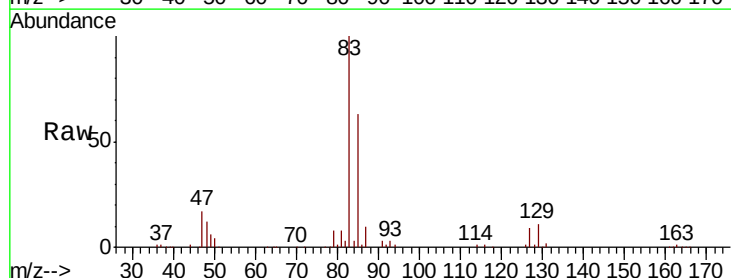
Instrument :
 MSVOA_V
 ClientSampled :

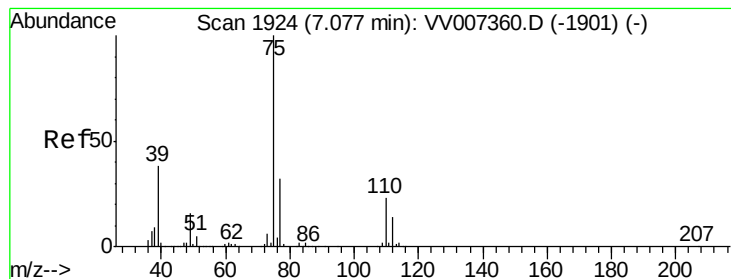
Tot Ion: 63 Resp: 218377
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.8 5.8



#38
 Bromodichloromethane
 Concen: 48.581 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. -0.00 min
 Lab File: VV007419.D
 Acq: 06 Sep 2018 14:28

Tgt Ion: 83 Resp: 265518
 Ion Ratio Lower Upper
 83 100
 85 62.7 45.1 83.9
 127 8.5 6.9 10.3



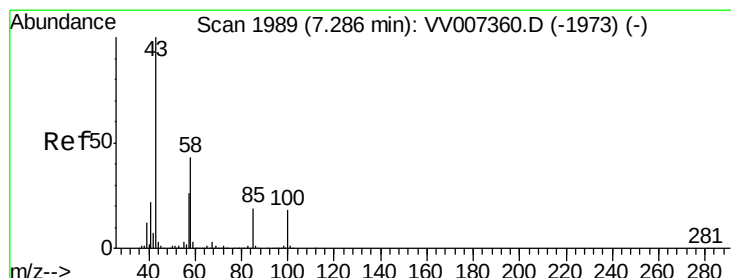
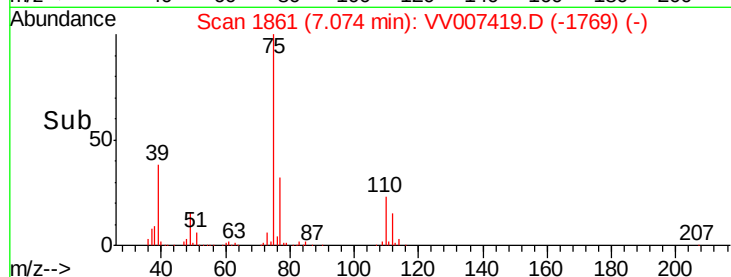
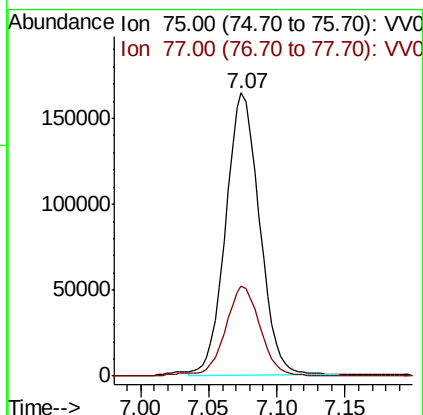
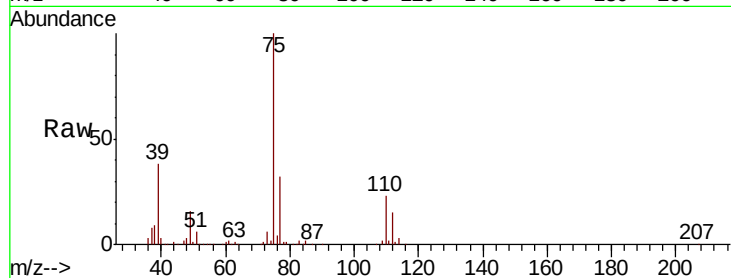


#39

cis-1,3-Dichloropropene
 Concen: 47.104 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VV007419.D
 Acq: 06 Sep 2018 14:28

Instrument :
 MSVOA_V
 ClientSampleId :

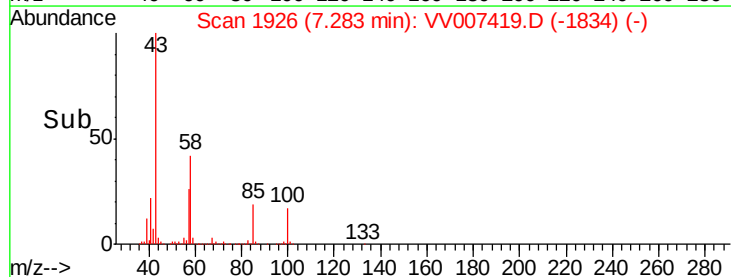
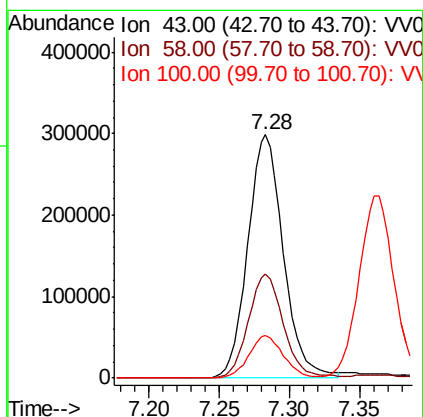
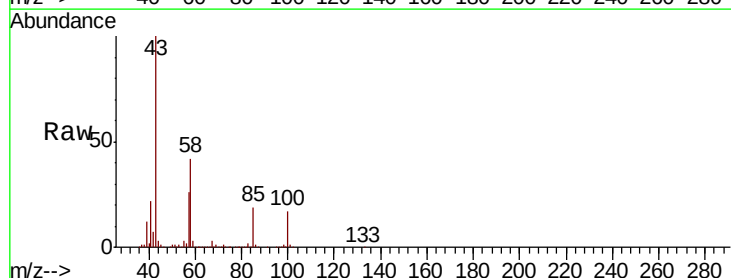
Tot Ion: 75 Resp: 283124
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.1 41.1

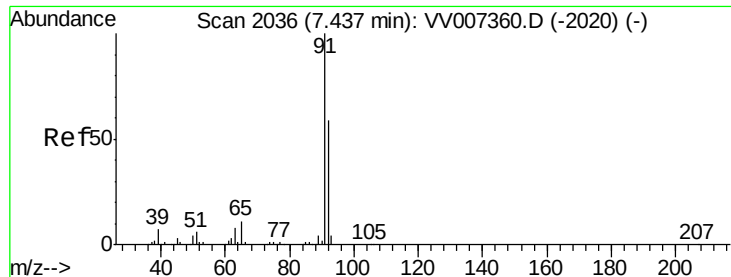


#40

4-Methyl-2-pentanone
 Concen: 101.830 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. -0.00 min
 Lab File: VV007419.D
 Acq: 06 Sep 2018 14:28

Tgt Ion: 43 Resp: 526554
 Ion Ratio Lower Upper
 43 100
 58 42.2 32.9 49.3
 100 16.9 13.3 19.9





#42

Toluene

Concen: 52.879 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV007419.D

Acq: 06 Sep 2018 14:28

Instrument :

MSVOA_V

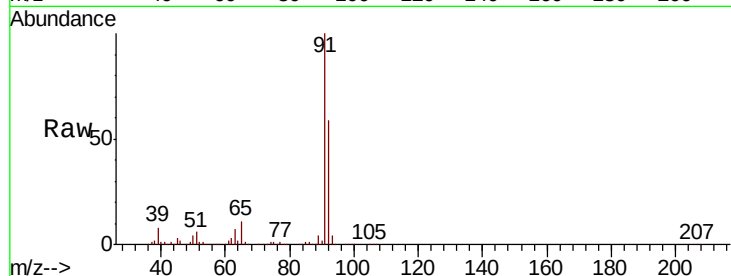
ClientSampled :

Tot Ion: 91 Resp: 828547

Ion Ratio Lower Upper

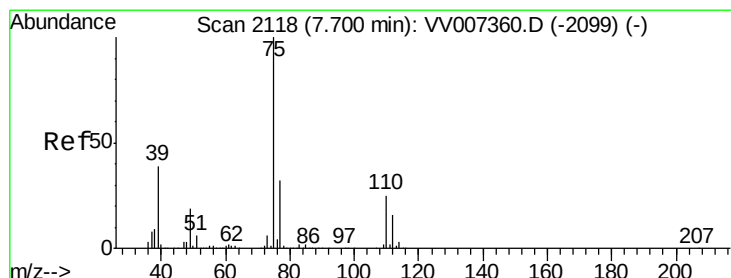
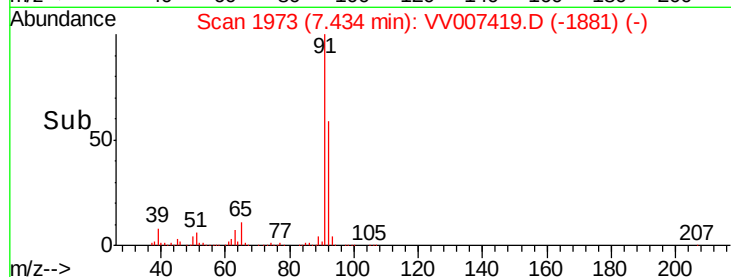
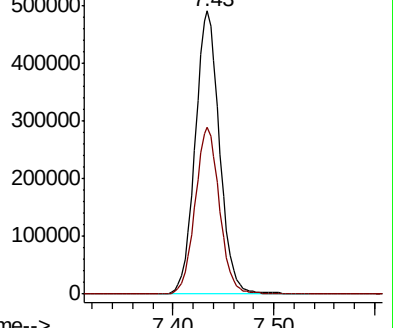
91 100

92 58.8 41.3 76.7



Abundance Ion 91.00 (90.70 to 91.70): VV007360.D (-2020) (-)

Ion 92.00 (91.70 to 92.70): VV007360.D (-2020) (-)



#44

trans-1,3-Dichloropropene

Concen: 50.386 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. -0.00 min

Lab File: VV007419.D

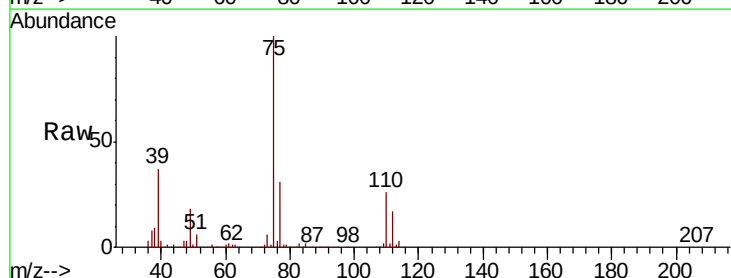
Acq: 06 Sep 2018 14:28

Tgt Ion: 75 Resp: 283177

Ion Ratio Lower Upper

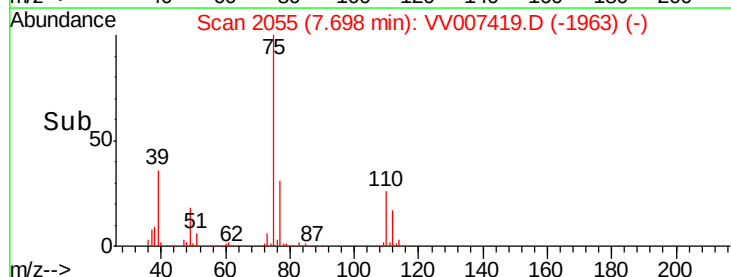
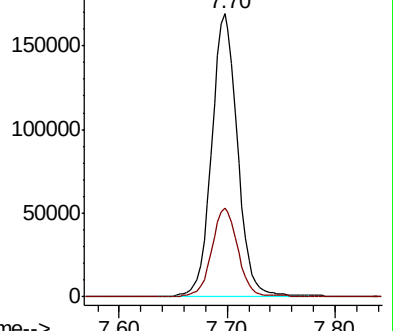
75 100

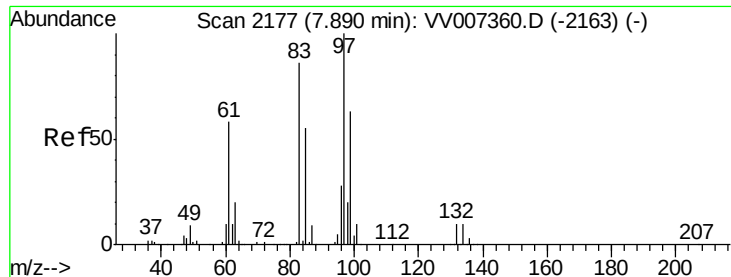
77 31.4 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VV007360.D (-2099) (-)

Ion 77.00 (76.70 to 77.70): VV007360.D (-2099) (-)

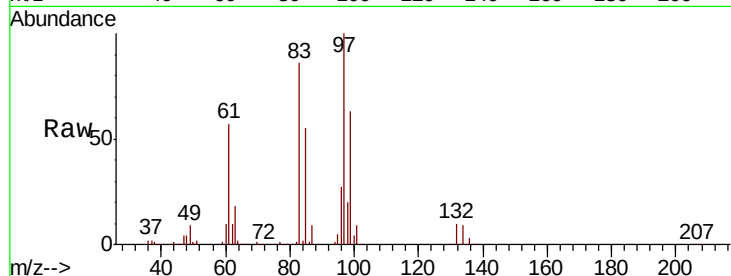




#45
1,1,2-Trichloroethane
Concen: 49.416 ug/L
RT: 7.89 min Scan# 2114
Delta R.T. -0.00 min
Lab File: VV007419.D
Acq: 06 Sep 2018 14:28

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	208767
Ion	Ratio	Lower	Upper
97	100		
99	62.7	44.0	81.6
83	85.9	60.1	111.5
85	54.7	38.4	71.2



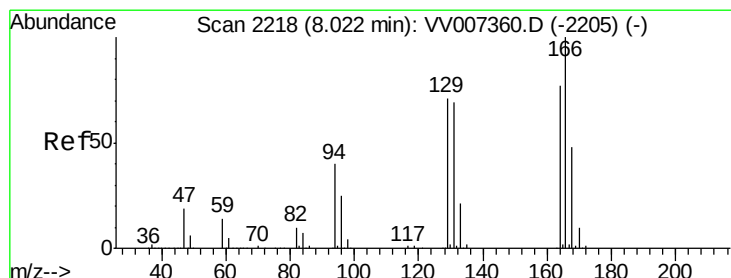
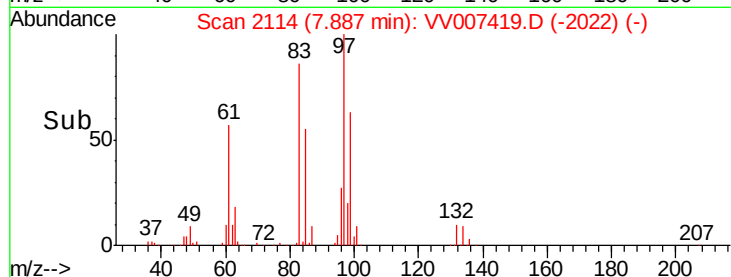
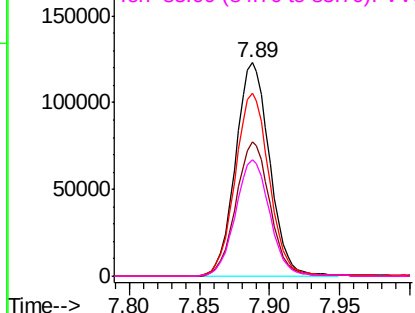
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

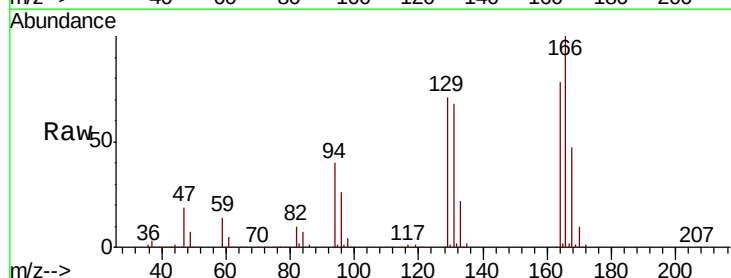
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
Tetrachloroethene
Concen: 49.814 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. -0.00 min
Lab File: VV007419.D
Acq: 06 Sep 2018 14:28

Tgt Ion:	164	Resp:	159267
Ion	Ratio	Lower	Upper
164	100		
129	90.6	63.9	118.7
131	87.1	62.6	116.2
166	127.7	91.6	170.2



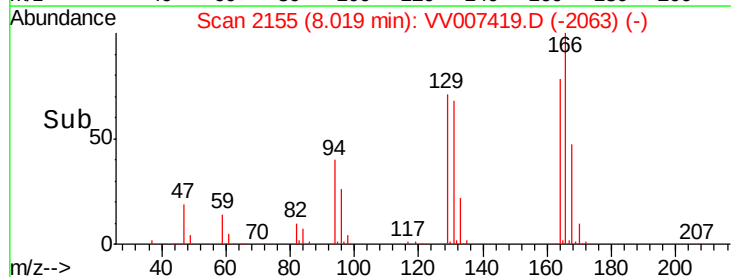
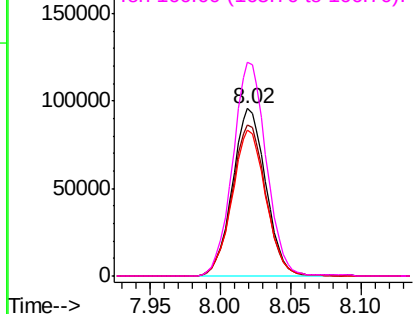
Abundance

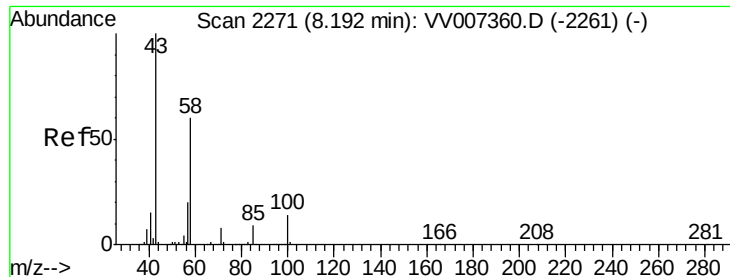
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

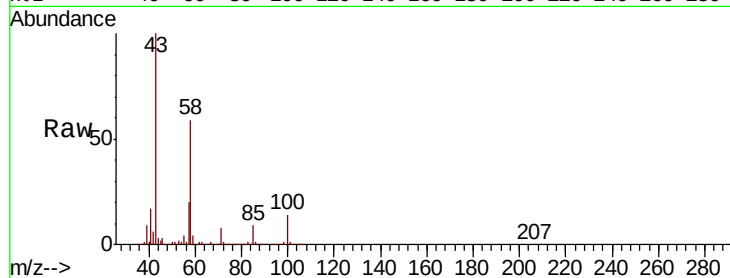




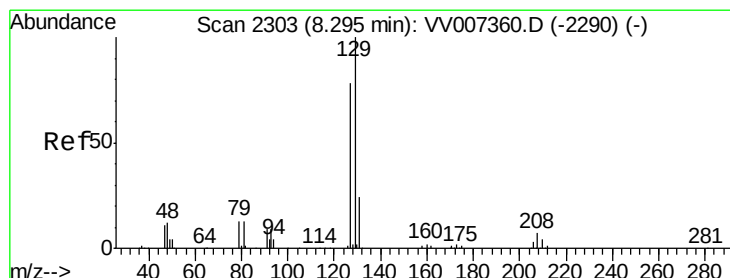
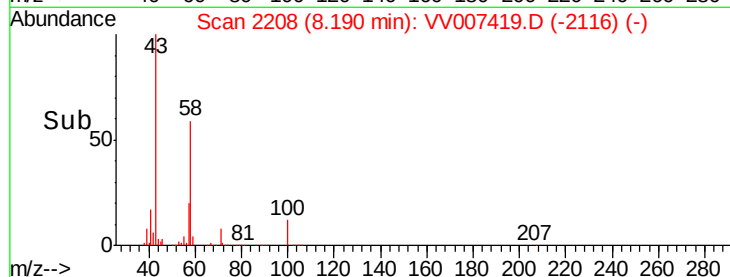
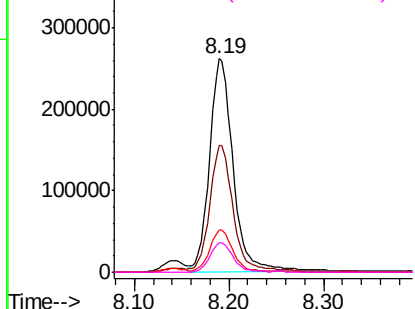
#48
2-Hexanone
Concen: 111.867 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VV007419.D
Acq: 06 Sep 2018 14:28

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 451125
Ion Ratio Lower Upper
43 100
58 58.0 48.6 72.8
57 19.0 16.2 24.2
100 13.6 11.1 16.7

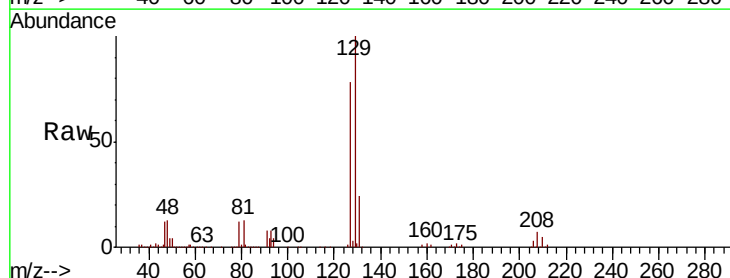


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

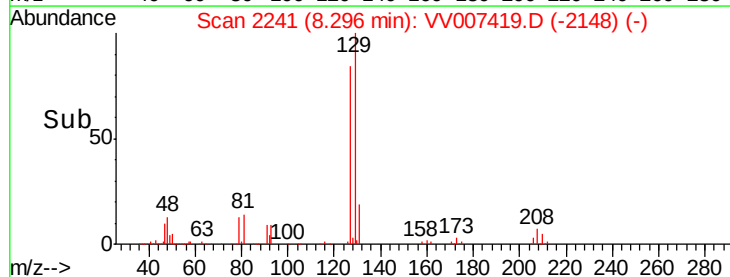
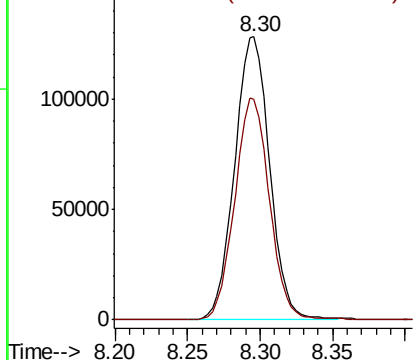


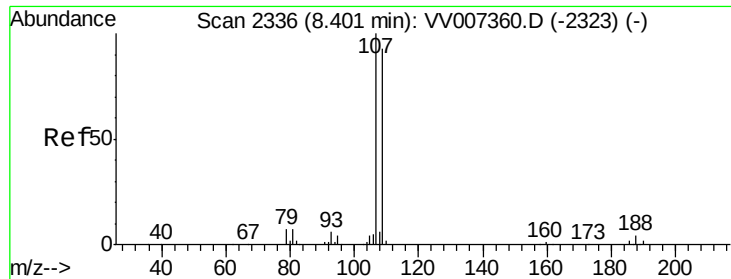
#49
Dibromochloromethane
Concen: 49.856 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV007419.D
Acq: 06 Sep 2018 14:28

Tgt Ion: 129 Resp: 216037
Ion Ratio Lower Upper
129 100
127 78.2 54.0 100.4



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





#50

1,2-Dibromoethane

Concen: 49.922 ug/L

RT: 8.40 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VV007419.D

Acq: 06 Sep 2018 14:28

Instrument :
MSVOA_V
ClientSampleId :

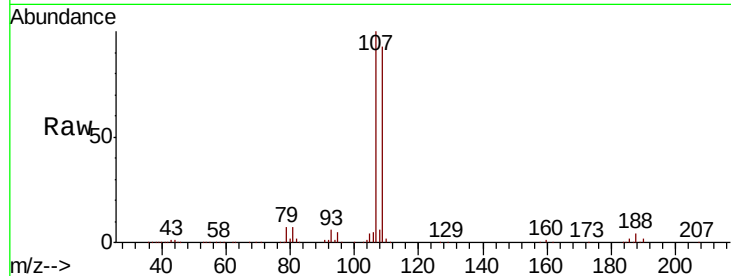
Tot Ion:107 Resp: 205980

Ion Ratio Lower Upper

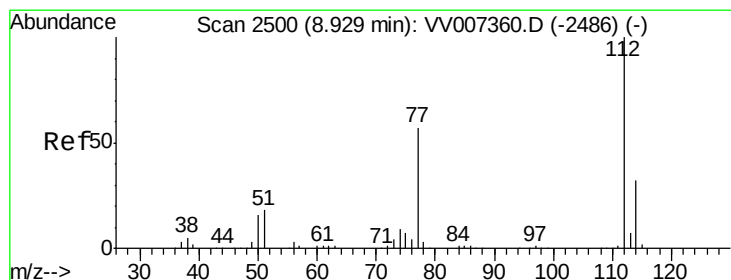
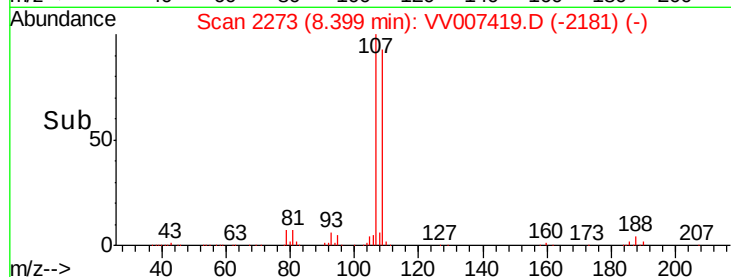
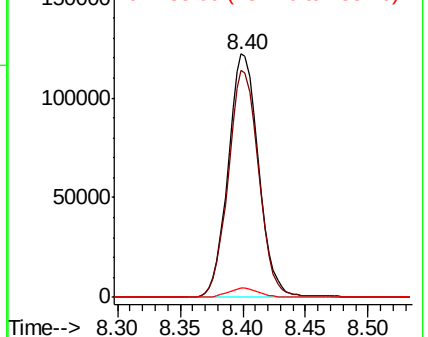
107 100

109 93.1 64.8 120.3

188 3.7 3.1 4.7



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 50.681 ug/L

RT: 8.93 min Scan# 2438

Delta R.T. 0.00 min

Lab File: VV007419.D

Acq: 06 Sep 2018 14:28

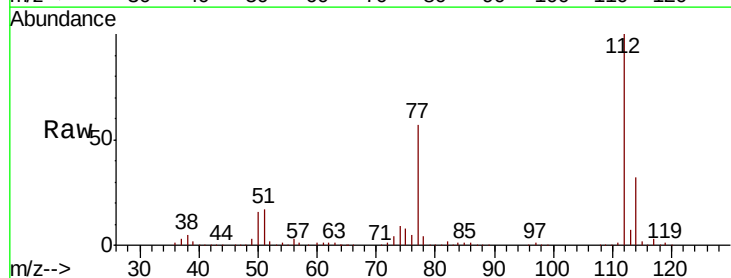
Tgt Ion:112 Resp: 536239

Ion Ratio Lower Upper

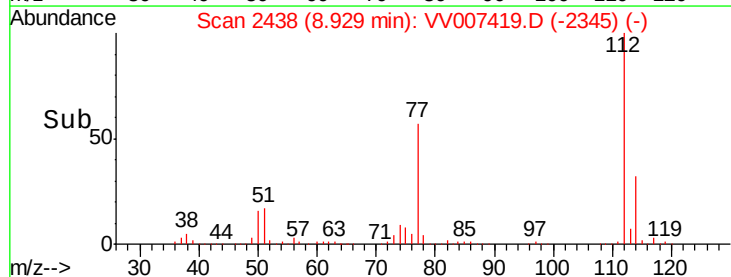
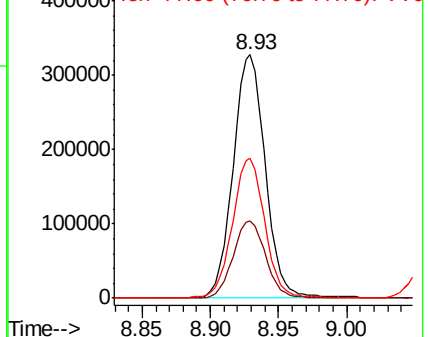
112 100

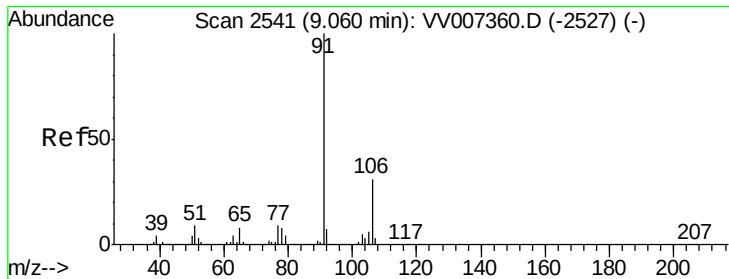
114 31.8 22.5 41.7

77 57.2 46.5 69.7



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 53.210 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV007419.D

Acq: 06 Sep 2018 14:28

Instrument :

MSVOA_V

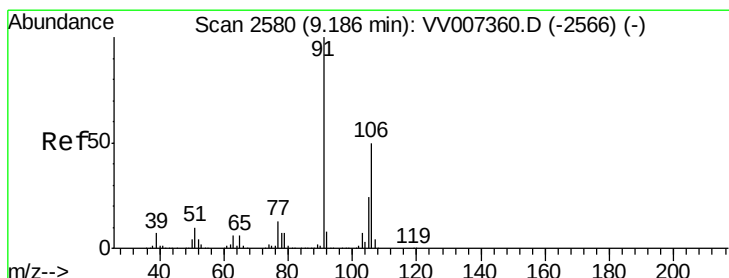
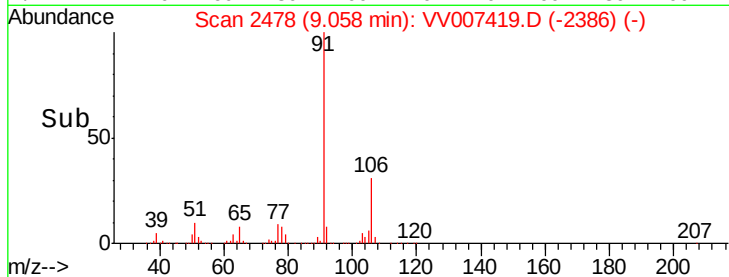
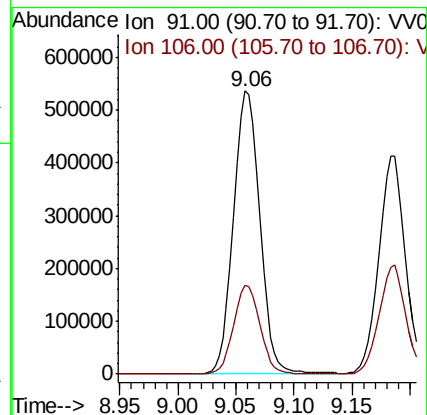
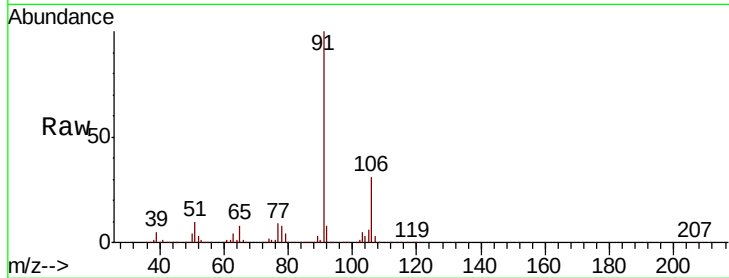
ClientSampled :

Tot Ion: 91 Resp: 845492

Ion Ratio Lower Upper

91 100

106 31.3 21.8 40.4



#53

m,p-Xylene

Concen: 54.910 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV007419.D

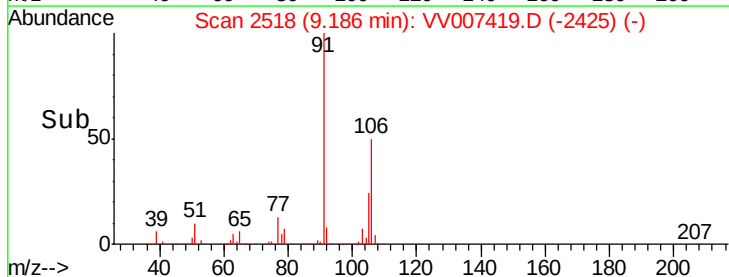
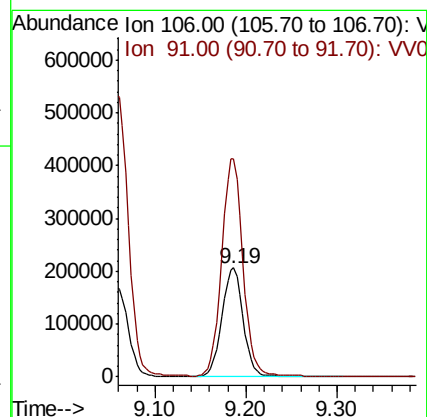
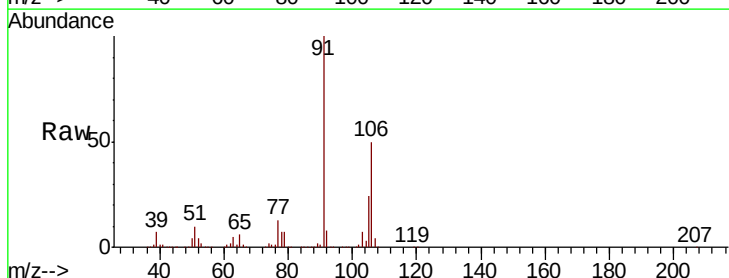
Acq: 06 Sep 2018 14:28

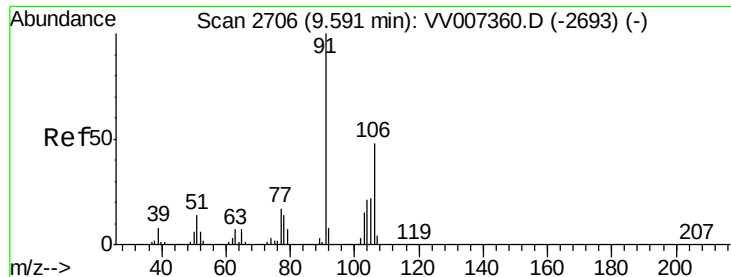
Tgt Ion: 106 Resp: 334040

Ion Ratio Lower Upper

106 100

91 200.6 138.0 256.2





#54

o-xylene

Concen: 53.671 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV007419.D

Acq: 06 Sep 2018 14:28

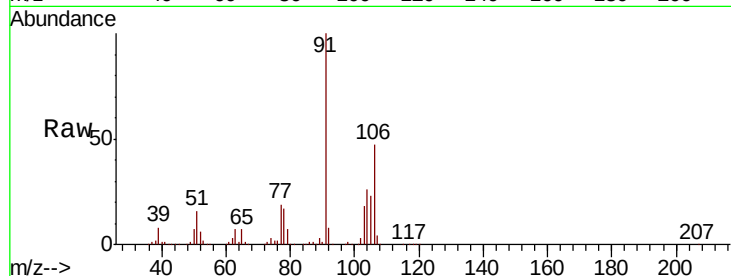
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 317487

Ion Ratio Lower Upper

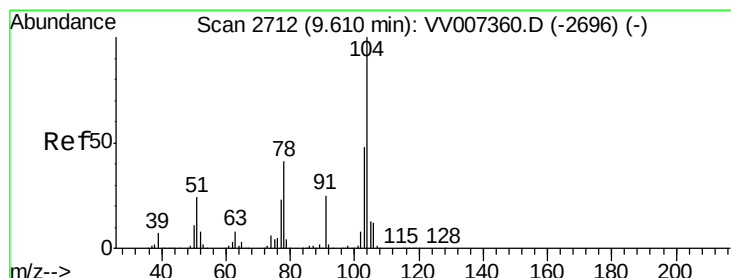
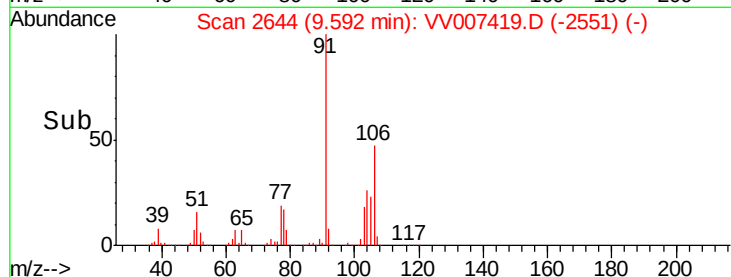
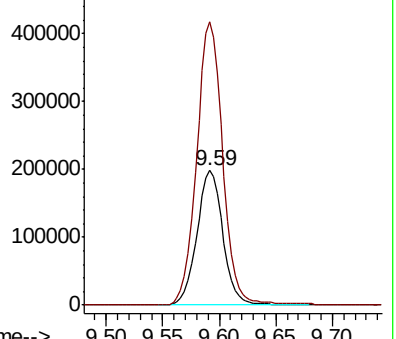
106 100

91 210.8 147.6 274.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 58.644 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV007419.D

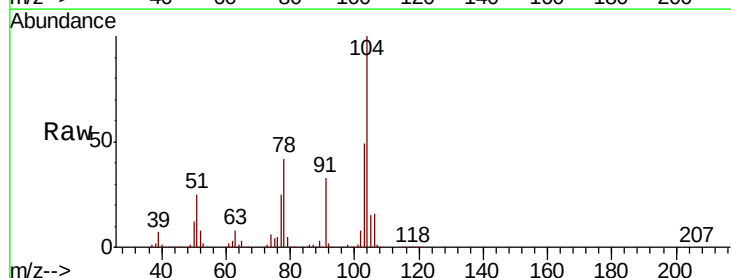
Acq: 06 Sep 2018 14:28

Tgt Ion:104 Resp: 600929

Ion Ratio Lower Upper

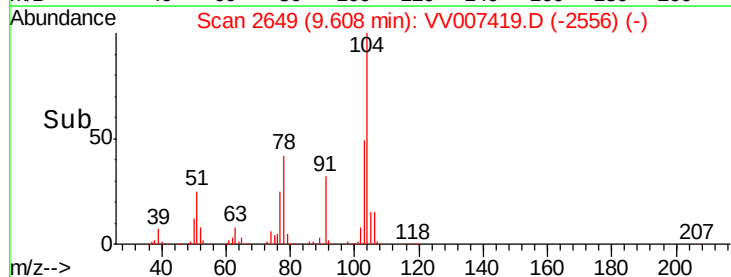
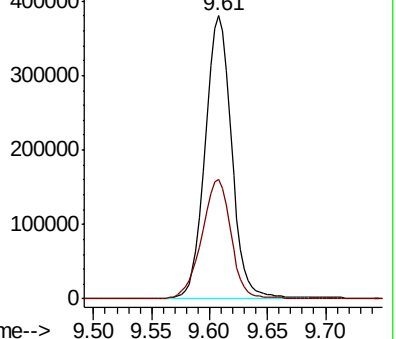
104 100

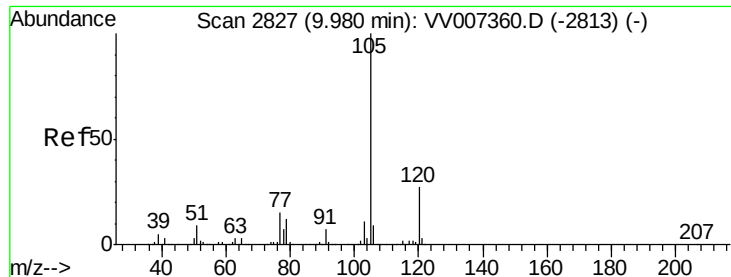
78 42.0 29.8 55.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 55.266 ug/L

RT: 9.98 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007419.D

Acq: 06 Sep 2018 14:28

Instrument :

MSVOA_V

ClientSampleId :

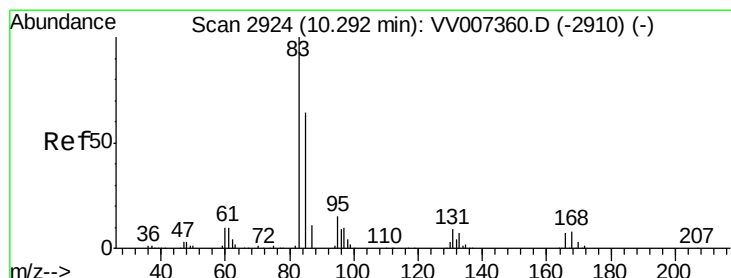
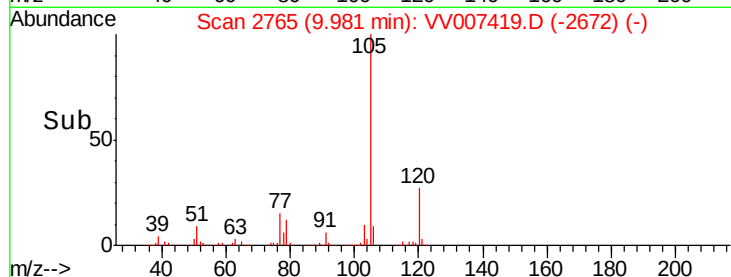
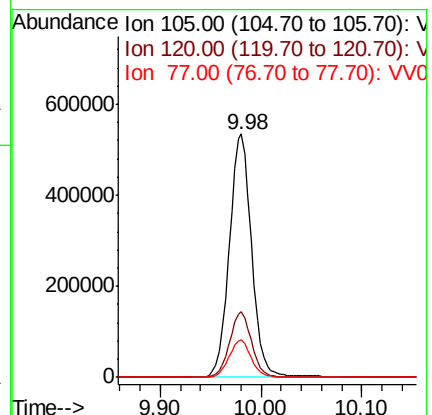
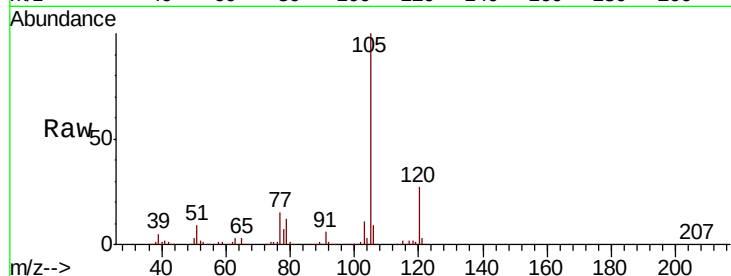
Tot Ion:105 Resp: 826852

Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.0

77 15.2 12.0 18.0



#58

1,1,2,2-Tetrachloroethane

Concen: 52.735 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV007419.D

Acq: 06 Sep 2018 14:28

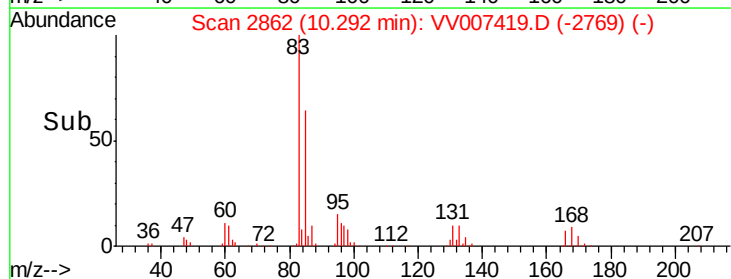
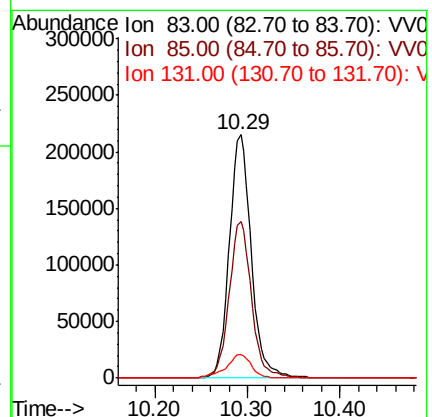
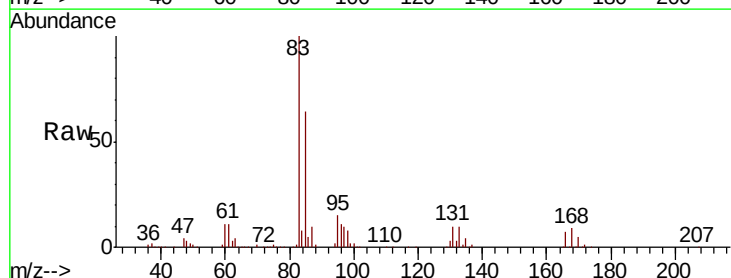
Tgt Ion: 83 Resp: 352389

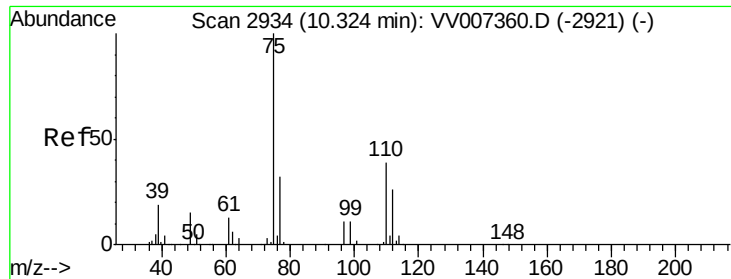
Ion Ratio Lower Upper

83 100

85 64.4 44.7 82.9

131 9.7 7.8 11.6





#59

1,2,3-Trichloropropane

Concen: 52.606 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VV007419.D

Acq: 06 Sep 2018 14:28

Instrument :

MSVOA_V

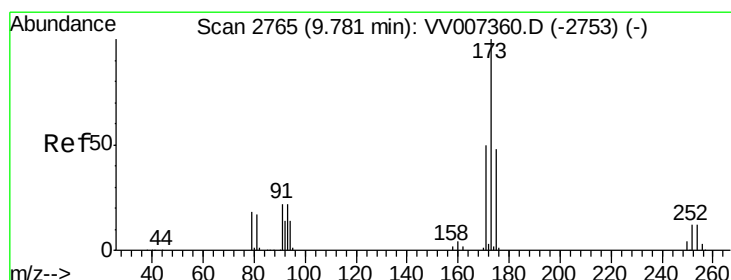
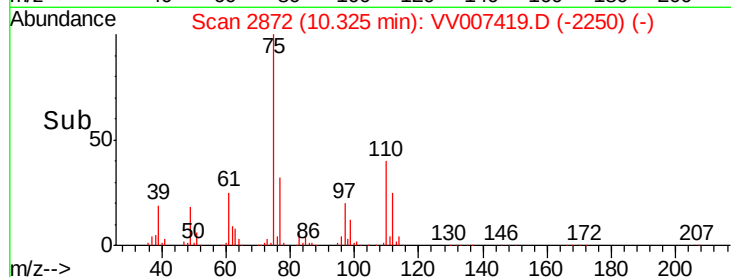
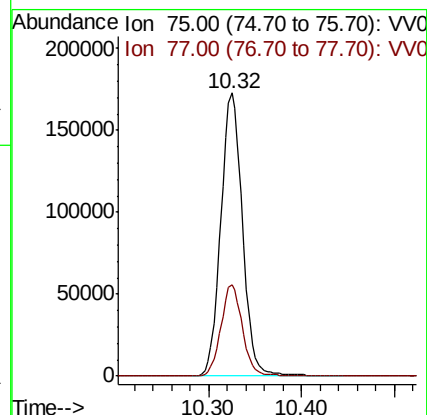
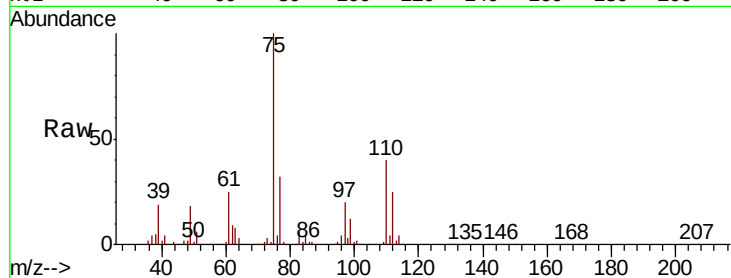
ClientSampleId :

Tot Ion: 75 Resp: 280051

Ion Ratio Lower Upper

75 100

77 31.8 25.5 38.3



#61

Bromoform

Concen: 46.834 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.00 min

Lab File: VV007419.D

Acq: 06 Sep 2018 14:28

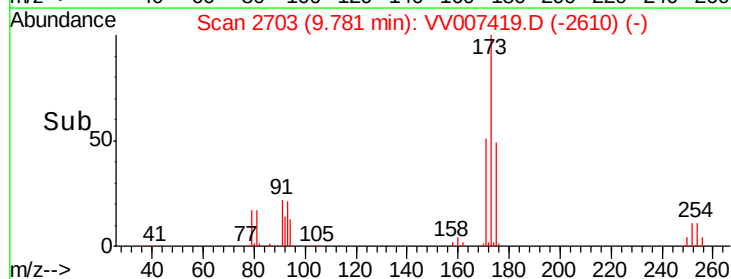
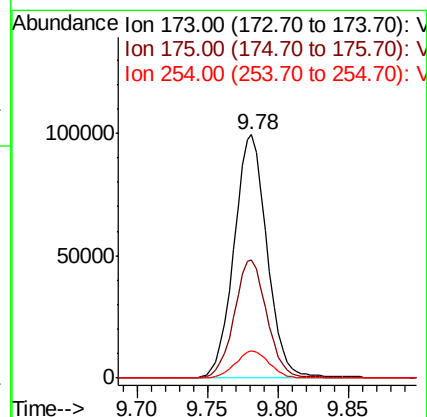
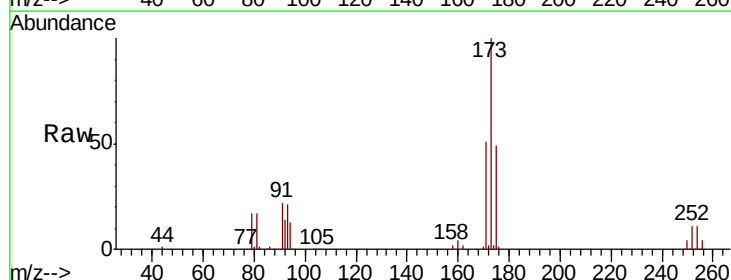
Tgt Ion: 173 Resp: 162951

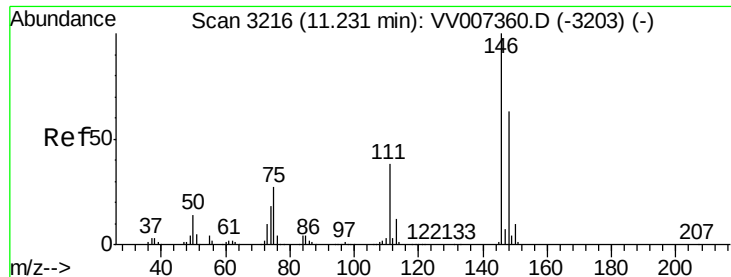
Ion Ratio Lower Upper

173 100

175 47.9 39.0 58.6

254 11.4 9.3 13.9





#62

1,3-Dichlorobenzene

Concen: 49.968 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV007419.D

Acq: 06 Sep 2018 14:28

Instrument :

MSVOA_V

ClientSampleId :

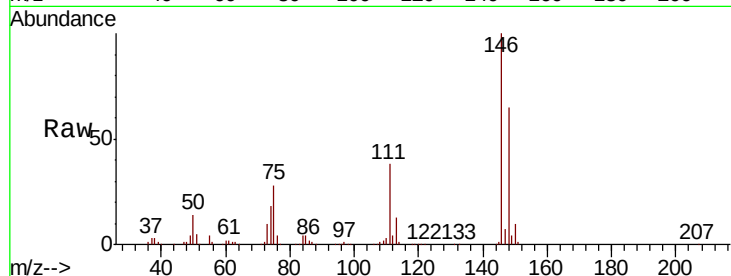
Tot Ion:146 Resp: 387839

Ion Ratio Lower Upper

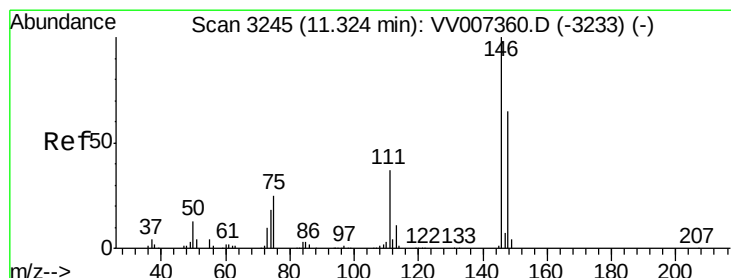
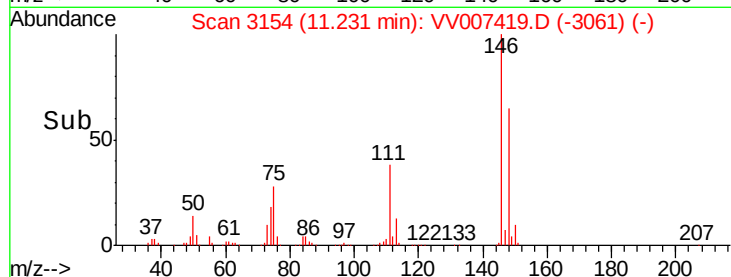
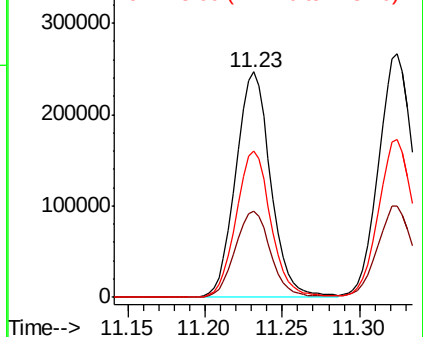
146 100

111 38.4 27.5 51.1

148 65.1 45.7 84.9



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 51.888 ug/L

RT: 11.32 min Scan# 3183

Delta R.T. 0.00 min

Lab File: VV007419.D

Acq: 06 Sep 2018 14:28

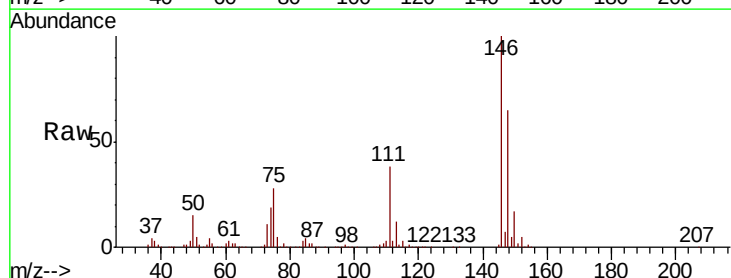
Tgt Ion:146 Resp: 431946

Ion Ratio Lower Upper

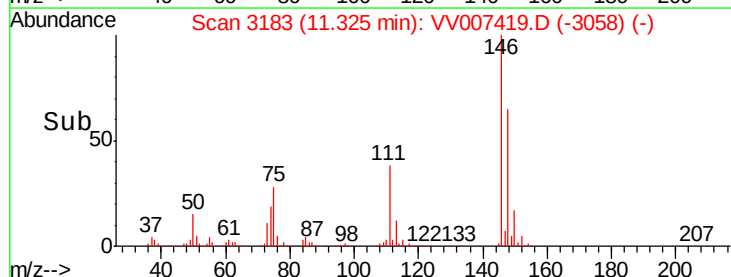
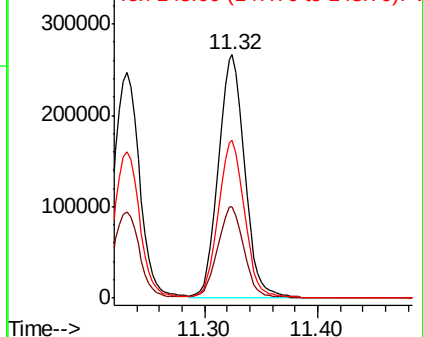
146 100

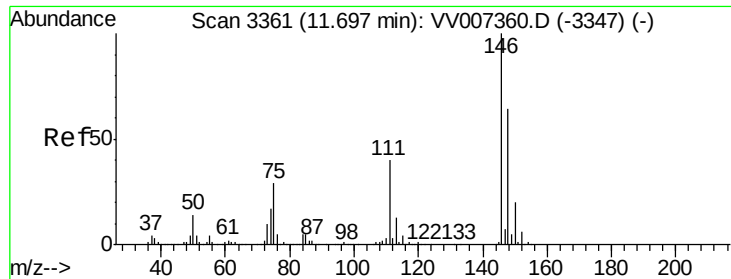
111 37.5 25.6 47.6

148 64.8 44.2 82.0



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

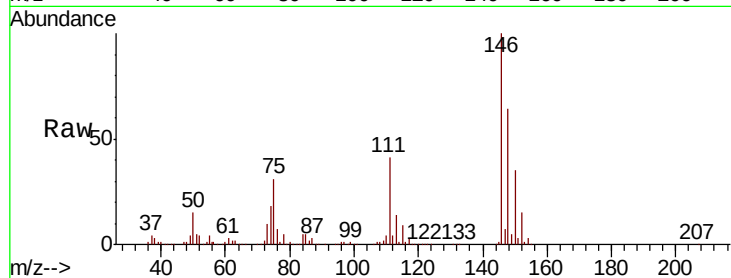




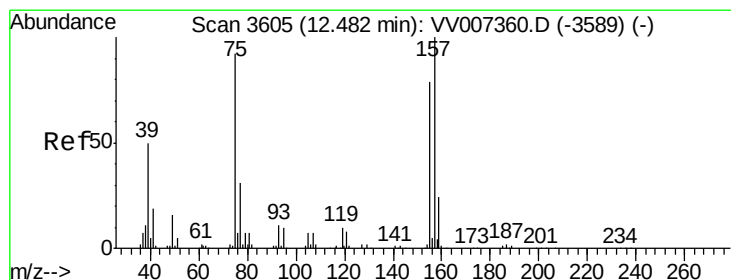
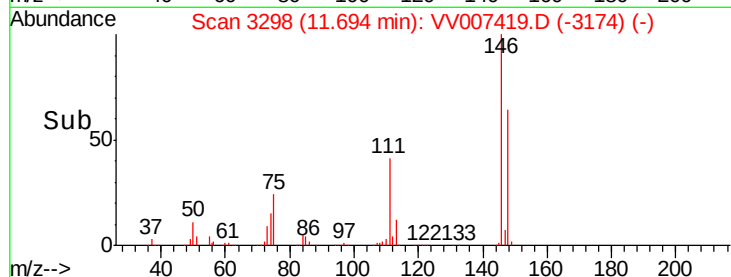
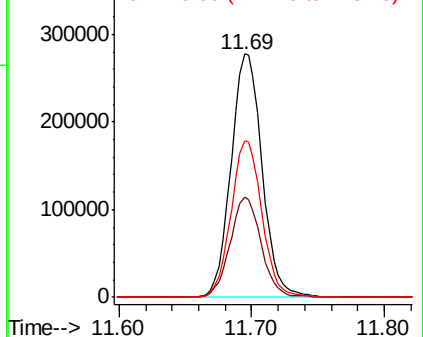
#65
 1,2-Dichlorobenzene
 Concen: 52.121 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VV007419.D
 Acq: 06 Sep 2018 14:28

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:146 Resp: 452256
 Ion Ratio Lower Upper
 146 100
 111 41.2 31.7 47.5
 148 64.4 50.0 75.0

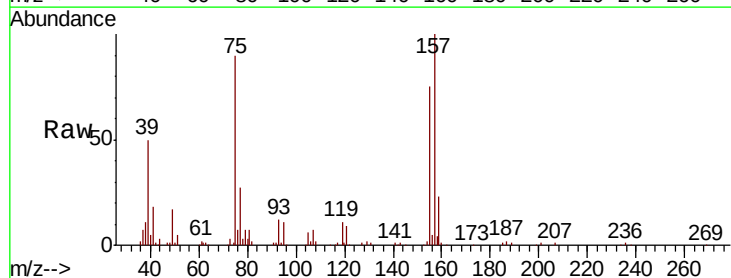


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

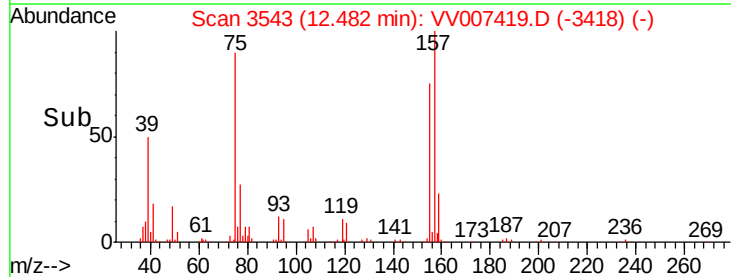
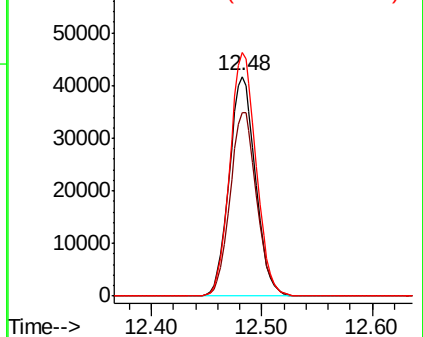


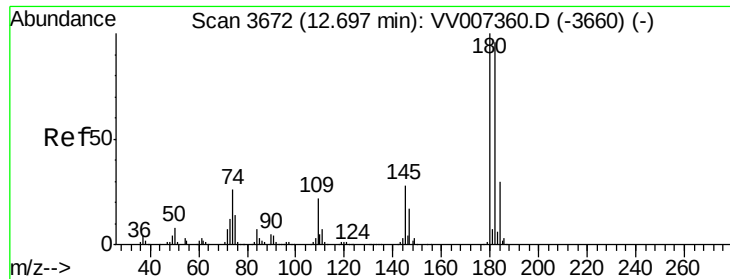
#66
 1,2-Dibromo-3-chloropropane
 Concen: 46.854 ug/L
 RT: 12.48 min Scan# 3543
 Delta R.T. 0.00 min
 Lab File: VV007419.D
 Acq: 06 Sep 2018 14:28

Tgt Ion: 75 Resp: 68926
 Ion Ratio Lower Upper
 75 100
 155 83.7 70.6 105.8
 157 110.9 88.6 132.8



Abundance Ion 75.00 (74.70 to 75.70): VV0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

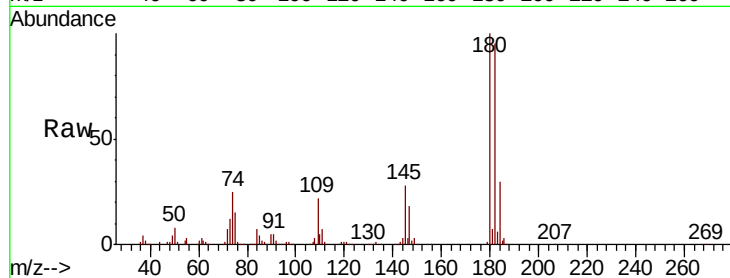




#67
 1,3,5-Trichlorobenzene
 Concen: 51.341 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV007419.D
 Acq: 06 Sep 2018 14:28

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.8	115.2
184	30.2	24.2	36.2
145	28.5	22.6	34.0



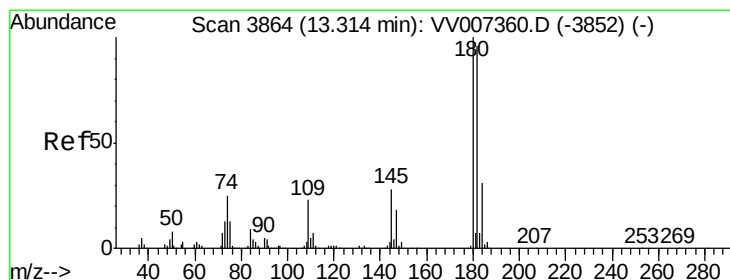
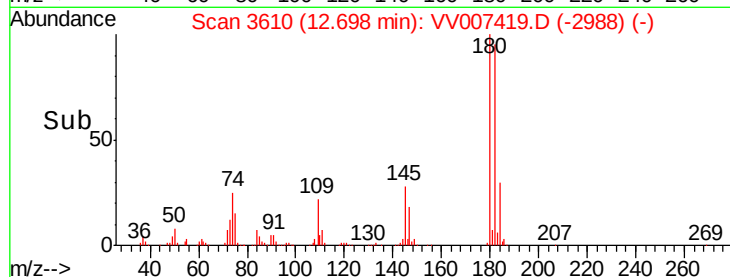
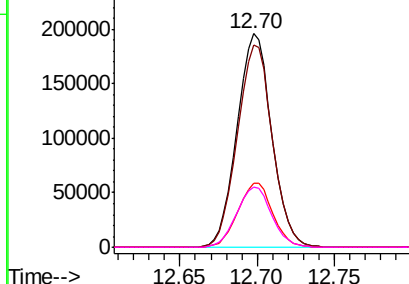
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

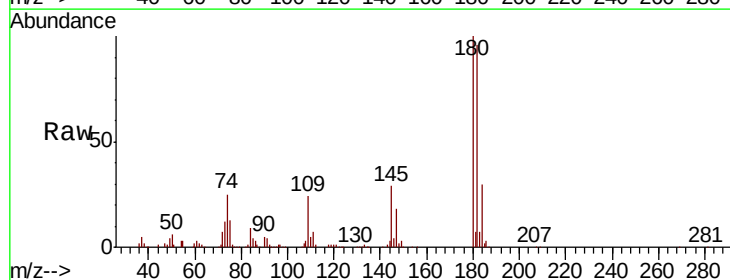
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 49.347 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV007419.D
 Acq: 06 Sep 2018 14:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	77.0	115.4
145	29.1	22.9	34.3

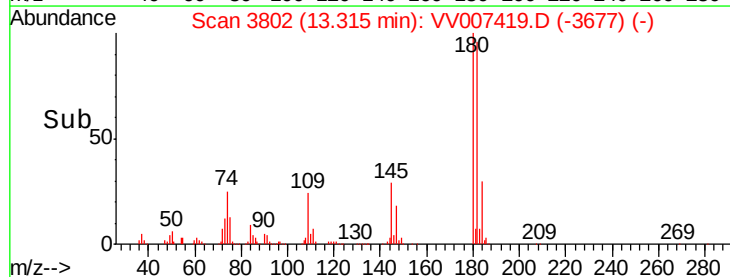
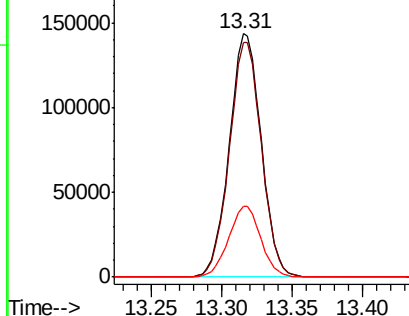


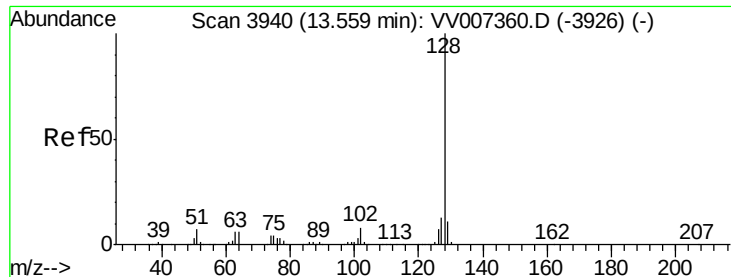
Abundance

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: 47.087 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. 0.00 min

Lab File: VV007419.D

Acq: 06 Sep 2018 14:28

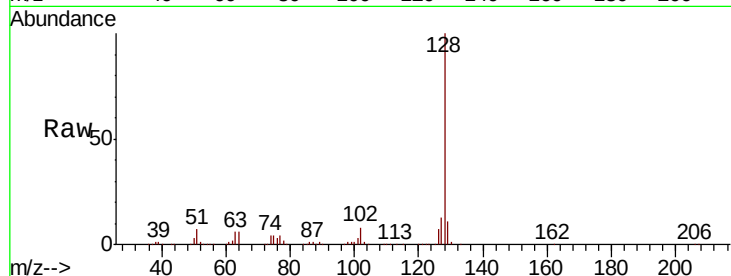
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:128 Resp: 627067

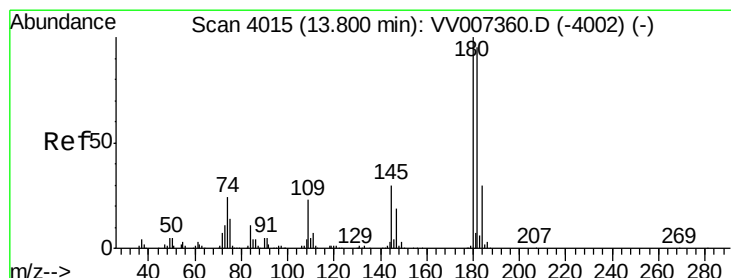
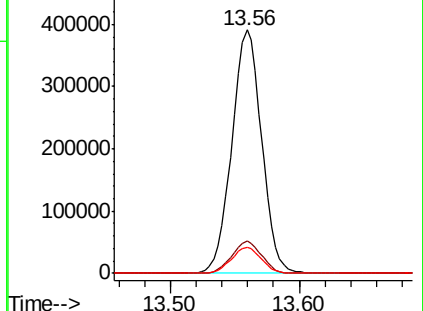
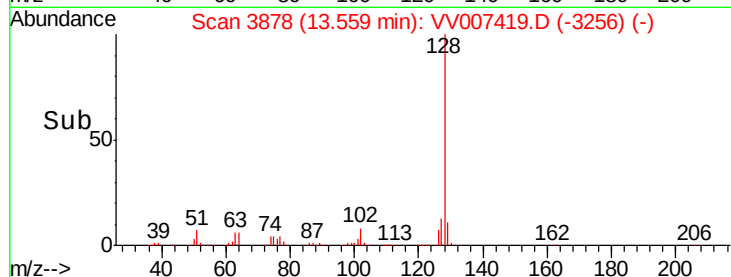
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.9	8.7	13.1



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: 51.749 ug/L

RT: 13.80 min Scan# 3953

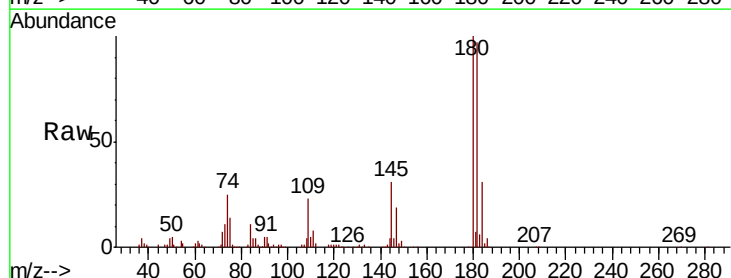
Delta R.T. 0.00 min

Lab File: VV007419.D

Acq: 06 Sep 2018 14:28

Tgt Ion:180 Resp: 263853

Ion	Ratio	Lower	Upper
180	100		
182	95.9	77.2	115.8
145	30.8	24.5	36.7



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

