

Data File : VV010086.D
Acq On : 03 Apr 2019 04:04
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02577

Quant Time: Apr 03 06:53:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 03 06:44:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	309300	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	294773	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	143606	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	76333	18.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.76%
7) Chloroethane-d5	1.56	69	93806	18.24	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.96%
10) 1,1-Dichloroethene-d2	2.12	63	204408	19.57	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.28%
20) 2-Butanone-d5	3.93	46	45697	38.78	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.56%
24) Chloroform-d	4.39	84	189074	24.26	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.04%
26) 1,2-Dichloroethane-d4	5.07	65	103722	23.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.16%
29) Benzene-d6	5.09	84	367572	24.05	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.20%
33) 1,2-Dichloropropane-d6	6.11	67	110303	24.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.80%
37) Toluene-d8	7.36	98	343666	23.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.32%
38) trans-1,3-Dichloropropene-	7.66	79	41652	21.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.40%
39) 2-Hexanone-d5	8.14	63	34278	37.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.78%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	91659	20.60	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	82.40%
61) 1,2-Dichlorobenzene-d4	11.67	152	127681	22.82	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.28%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.13	85	82093	18.351	ug/L 100
3) Chloromethane	1.24	50	86576	21.717	ug/L 97
5) Vinyl chloride	1.31	62	85589	19.711	ug/L 99
6) Bromomethane	1.52	94	94201	19.179	ug/L 99
8) Chloroethane	1.58	64	98899	26.054	ug/L 96
9) Trichlorofluoromethane	1.75	101	197300	22.044	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	2.12	101	99537	19.999	ug/L 99
12) 1,1-Dichloroethene	2.13	96	83954	19.854	ug/L 92
13) Acetone	2.19	43	32524	27.919	ug/L 97
14) Carbon disulfide	2.31	76	181656	20.700	ug/L 100
15) Methyl Acetate	2.46	43	40513	21.734	ug/L 99
16) Methylene chloride	2.53	84	103984	19.135	ug/L 98
17) Methyl tert-butyl Ether	2.80	73	230370	25.437	ug/L 100
18) trans-1,2-Dichloroethene	2.78	96	87191	23.606	ug/L 98
19) 1,1-Dichloroethane	3.22	63	163307	26.023	ug/L 99
21) 2-Butanone	4.02	43	49125	38.505	ug/L 86
22) cis-1,2-Dichloroethene	3.95	96	105450	25.712	ug/L 99

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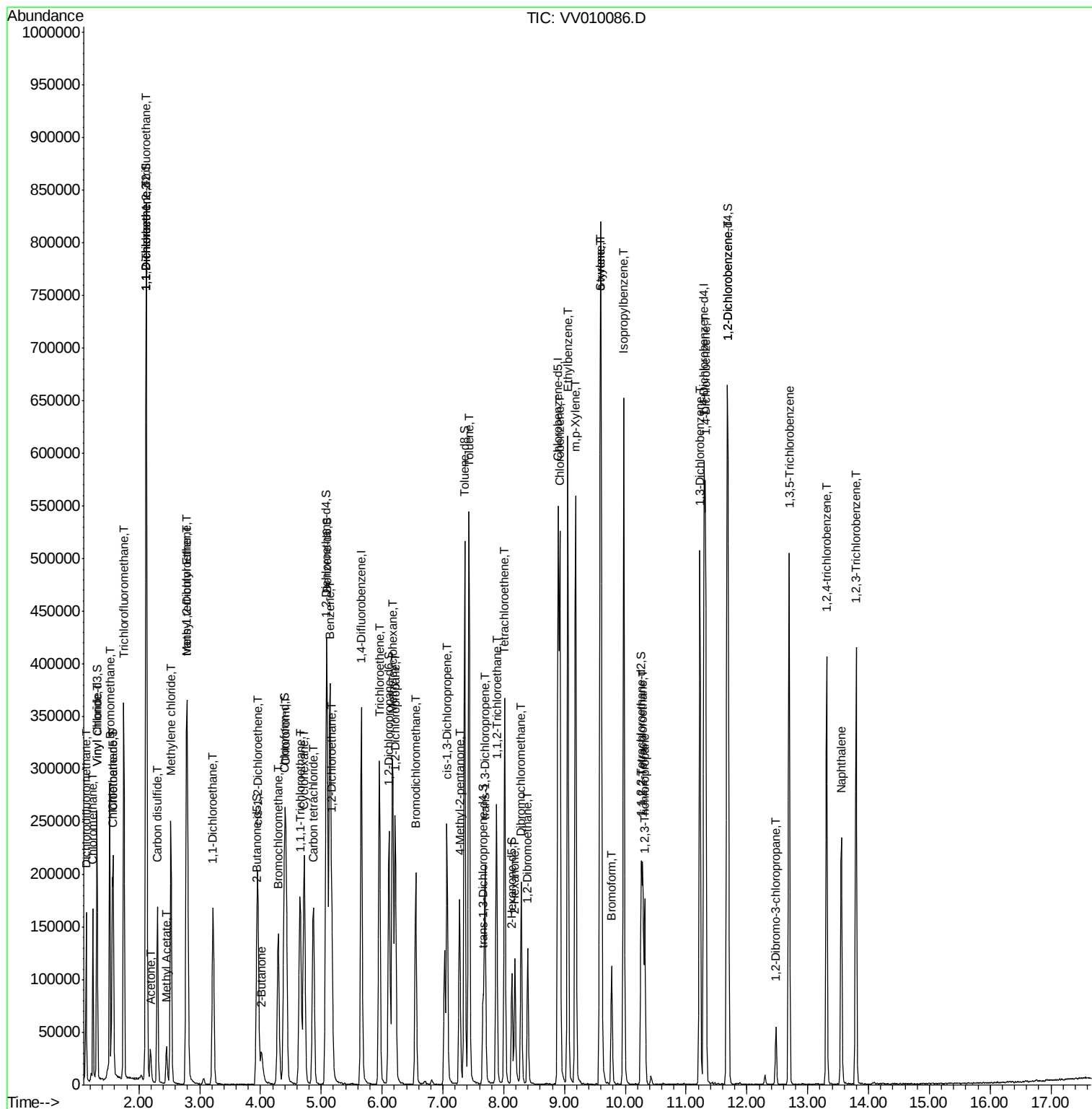
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	51516	25.888	ug/L	89
25) Chloroform	4.42	83	186537	26.524	ug/L	99
27) 1,2-Dichloroethane	5.17	62	122806	25.599	ug/L	98
30) Cyclohexane	4.72	56	109427	20.565	ug/L	98
31) 1,1,1-Trichloroethane	4.65	97	142096	23.637	ug/L	99
32) Carbon tetrachloride	4.87	117	123150	22.919	ug/L	100
34) Benzene	5.14	78	370045	25.671	ug/L	100
35) Trichloroethene	5.96	95	101694	24.510	ug/L	99
36) Methylcyclohexane	6.17	83	132282	21.282	ug/L	98
40) 1,2-Dichloropropane	6.22	63	94732	26.010	ug/L	100
41) Bromodichloromethane	6.55	83	123995	26.178	ug/L	96
42) cis-1,3-Dichloropropene	7.07	75	134088	25.433	ug/L	100
43) 4-Methyl-2-pentanone	7.27	43	108716	40.343	ug/L	98
44) Toluene	7.43	91	397014	24.540	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	110371	24.615	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	78982	24.456	ug/L	97
47) Tetrachloroethene	8.02	164	77658	22.361	ug/L	96
49) 2-Hexanone	8.19	43	72615	37.726	ug/L	98
50) Dibromochloromethane	8.29	129	92237	25.478	ug/L	97
51) 1,2-Dibromoethane	8.40	107	79050	24.768	ug/L	99
52) Chlorobenzene	8.92	112	271960	24.645	ug/L	98
53) Ethylbenzene	9.05	91	412950	23.278	ug/L	98
54) m,p-Xylene	9.18	106	165611	23.985	ug/L	99
55) o-xylene	9.59	106	164820	24.638	ug/L	94
56) Styrene	9.60	104	281107	25.403	ug/L	96
57) Isopropylbenzene	9.97	105	409635	23.219	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	90378	21.789	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	65925	22.164	ug/L	99
62) Bromoform	9.77	173	48641	24.082	ug/L	97
63) 1,3-Dichlorobenzene	11.23	146	205417	24.370	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	210513	23.975	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	204481	24.694	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	11993	21.361	ug/L	89
67) 1,3,5-Trichlorobenzene	12.69	180	149893	23.947	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	117835	24.583	ug/L	99
69) Naphthalene	13.55	128	186450	23.380	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	115468	25.802	ug/L	98

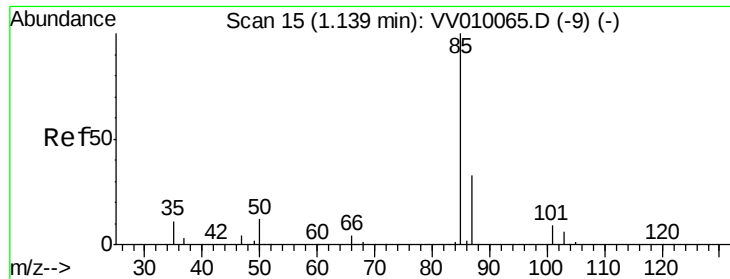
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 18.351 ug/L

RT: 1.13 min Scan# 13

Delta R.T. -0.01 min

Lab File: VV010086.D

Acq: 03 Apr 2019 04:04

Instrument :

MSVOA_V

ClientSampleId :

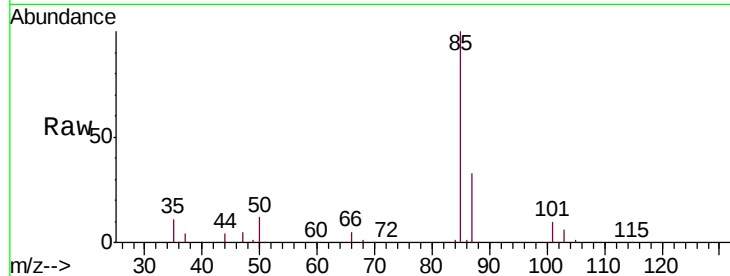
VSTD02577

Tgt Ion: 85 Resp: 82093

Ion Ratio Lower Upper

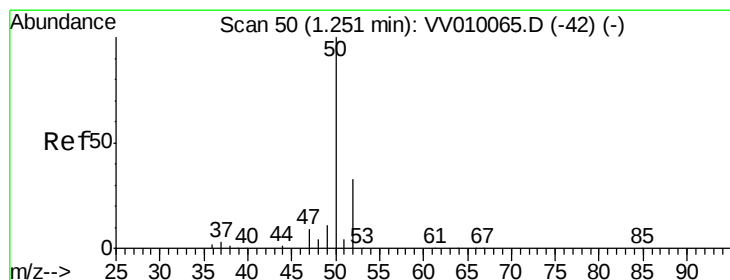
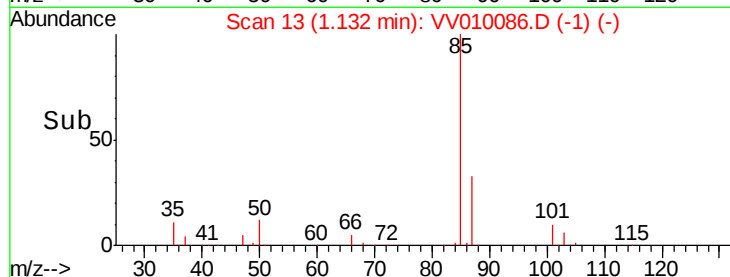
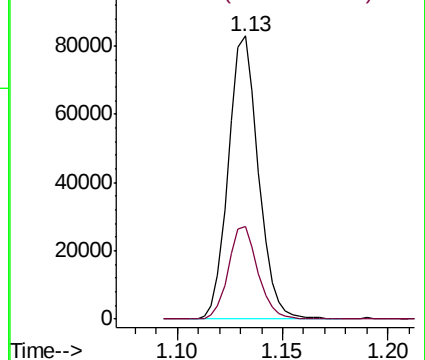
85 100

87 32.0 22.5 41.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 21.717 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.01 min

Lab File: VV010086.D

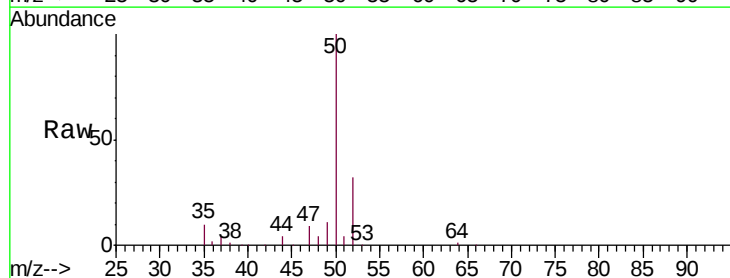
Acq: 03 Apr 2019 04:04

Tgt Ion: 50 Resp: 86576

Ion Ratio Lower Upper

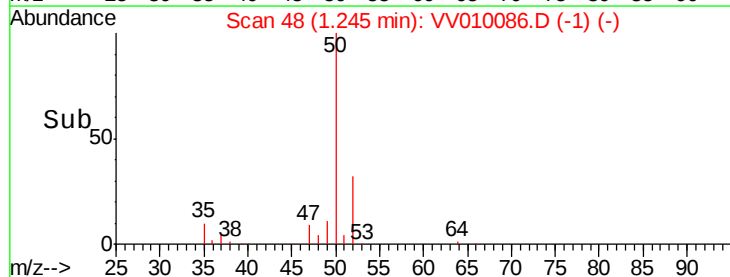
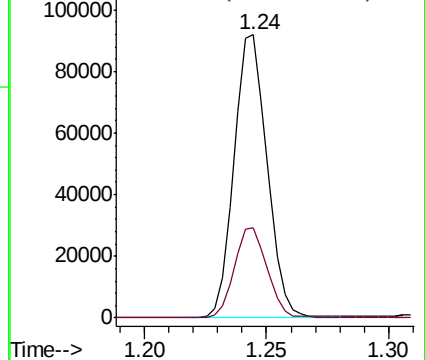
50 100

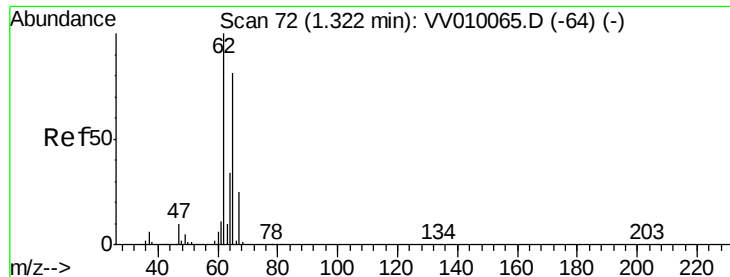
52 31.9 23.4 43.4



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 19.711 ug/L

RT: 1.31 min Scan# 69

Delta R.T. -0.01 min

Lab File: VV010086.D

Acq: 03 Apr 2019 04:04

Instrument :

MSVOA_V

ClientSampleId :

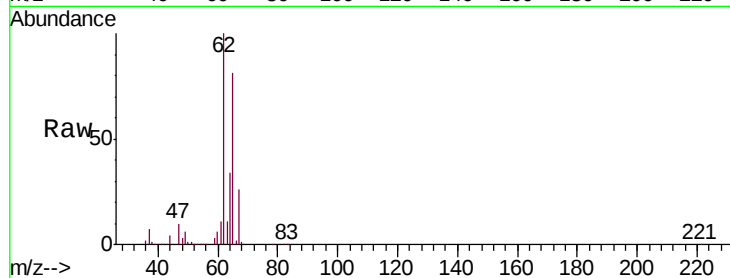
VSTD02577

Tgt Ion: 62 Resp: 85589

Ion Ratio Lower Upper

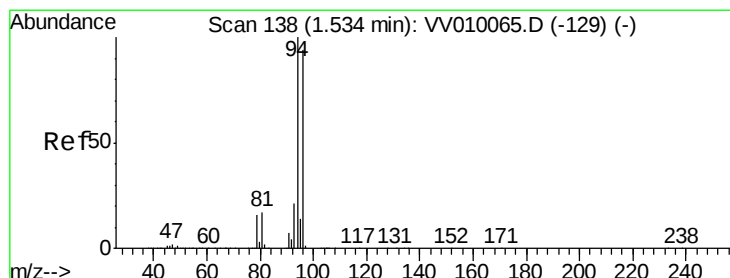
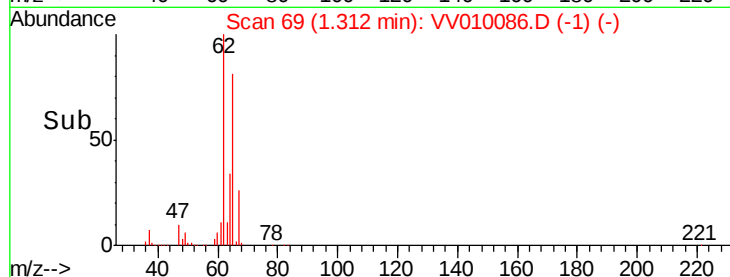
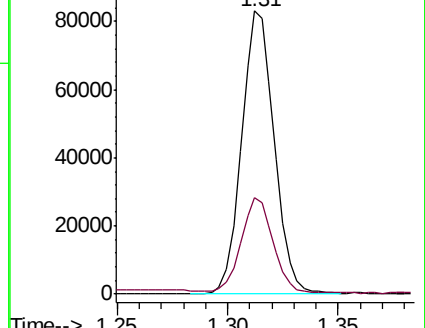
62 100

64 34.0 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VV010065.D (-64) (-)

Ion 64.00 (63.70 to 64.70): VV010065.D (-64) (-)



#6

Bromomethane

Concen: 19.179 ug/L

RT: 1.52 min Scan# 134

Delta R.T. -0.01 min

Lab File: VV010086.D

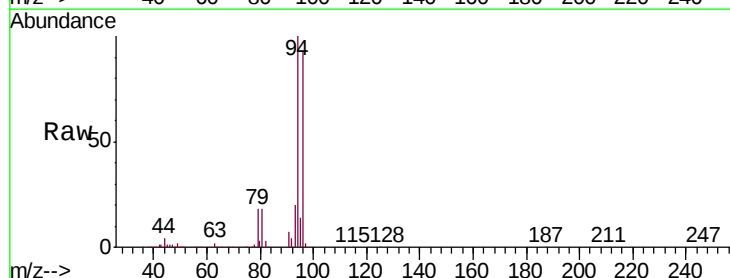
Acq: 03 Apr 2019 04:04

Tgt Ion: 94 Resp: 94201

Ion Ratio Lower Upper

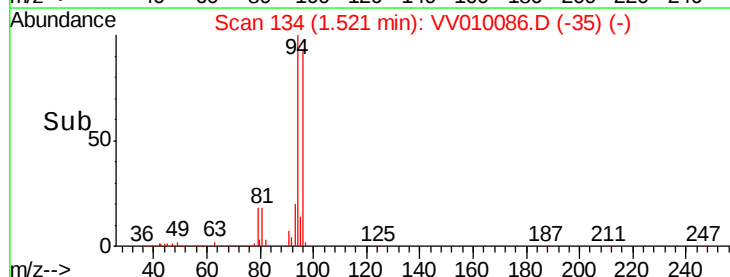
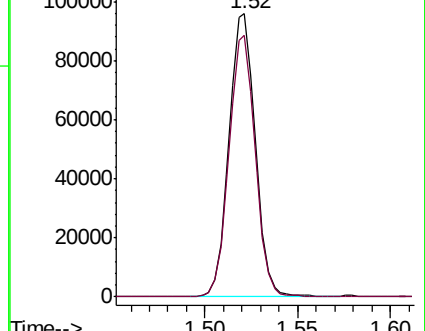
94 100

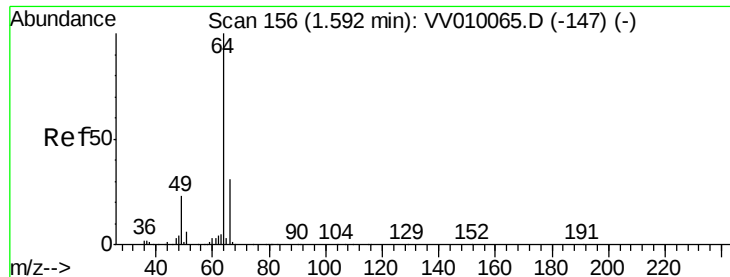
96 92.5 9.4 177.8



Abundance Ion 94.00 (93.70 to 94.70): VV010065.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV010065.D (-129) (-)





#8

Chloroethane

Concen: 26.054 ug/L

RT: 1.58 min Scan# 152

Delta R.T. -0.01 min

Lab File: VV010086.D

Acq: 03 Apr 2019 04:04

Instrument :

MSVOA_V

ClientSampleId :

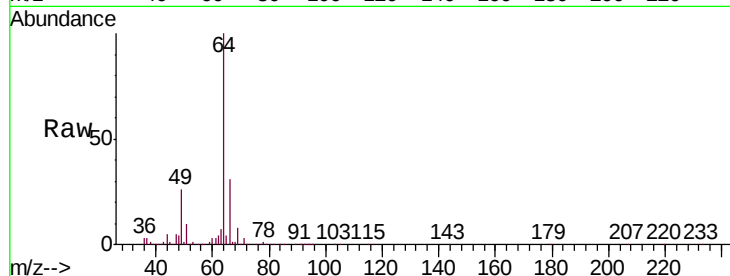
VSTD02577

Tgt Ion: 64 Resp: 98899

Ion Ratio Lower Upper

64 100

66 30.6 22.9 42.5



Abundance Ion 64.00 (63.70 to 64.70): VV010065.D (-147) (-)

Ion 66.00 (65.70 to 66.70): VV010065.D (-147) (-)

1.58

100000

80000

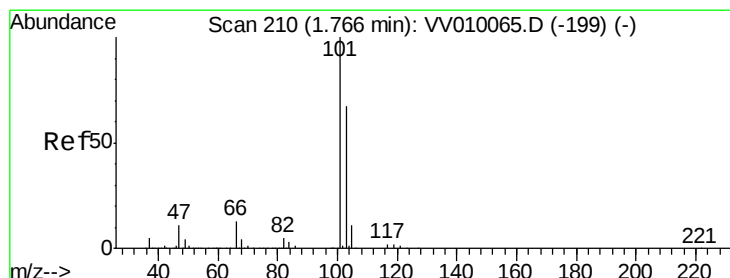
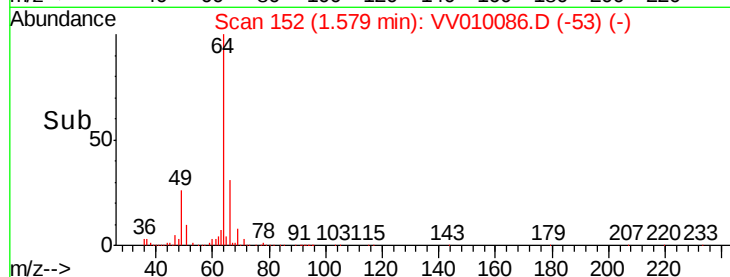
60000

40000

20000

0

Time-->



#9

Trichlorofluoromethane

Concen: 22.044 ug/L

RT: 1.75 min Scan# 206

Delta R.T. -0.01 min

Lab File: VV010086.D

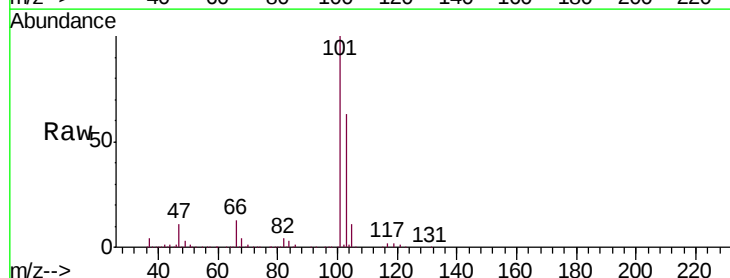
Acq: 03 Apr 2019 04:04

Tgt Ion: 101 Resp: 197300

Ion Ratio Lower Upper

101 100

103 63.8 46.1 85.5



Abundance Ion 101.00 (100.70 to 101.70): VV010065.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV010065.D (-199) (-)

1.75

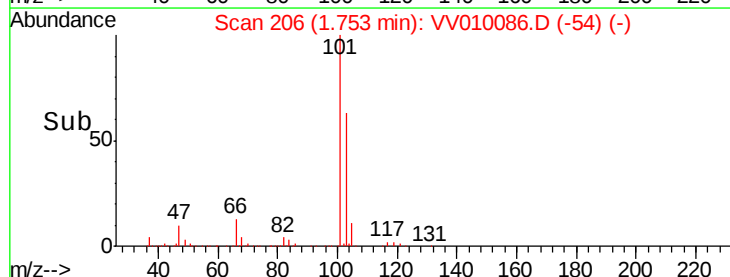
150000

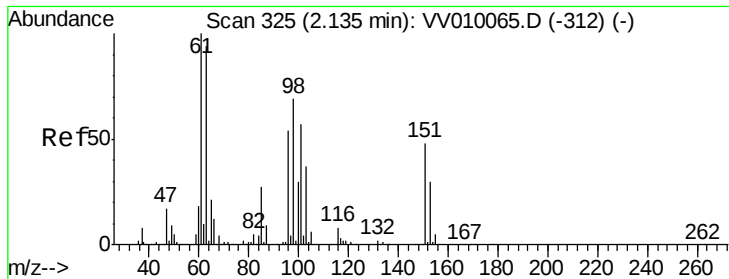
100000

50000

0

Time-->





#11

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

Concen: 19.999 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV010086.D

Acq: 03 Apr 2019 04:04

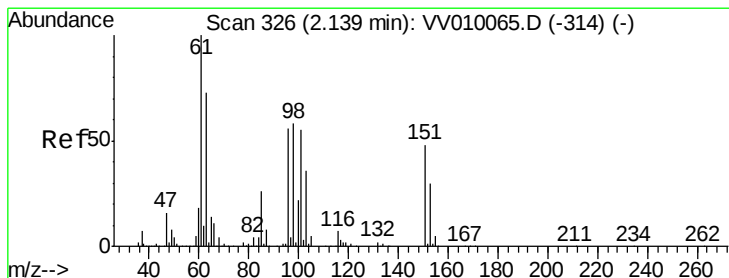
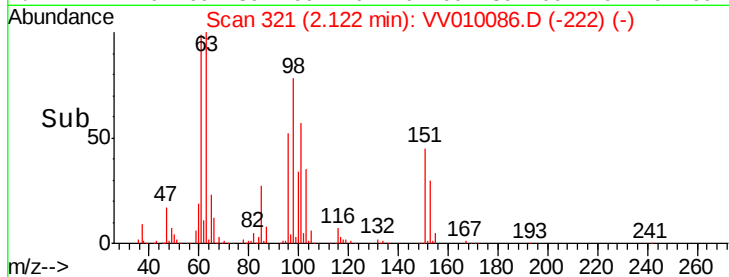
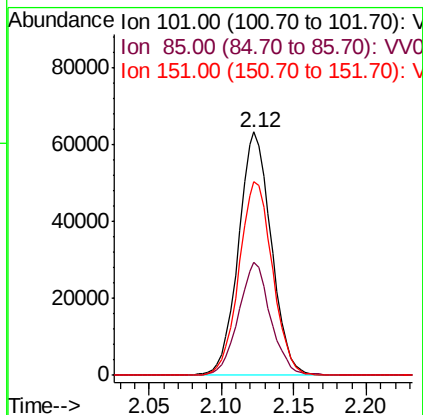
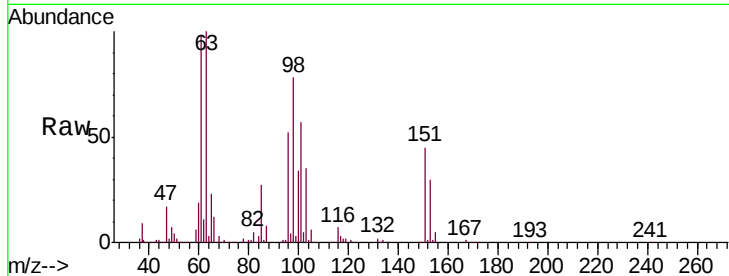
Instrument :

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Tgt Ion:	101	Resp:	99537
Ion	Ratio	Lower	Upper
101	100		
85	45.3	37.3	55.9
151	81.2	65.4	98.2



#12

1,1-Dichloroethene

Concen: 19.854 ug/L

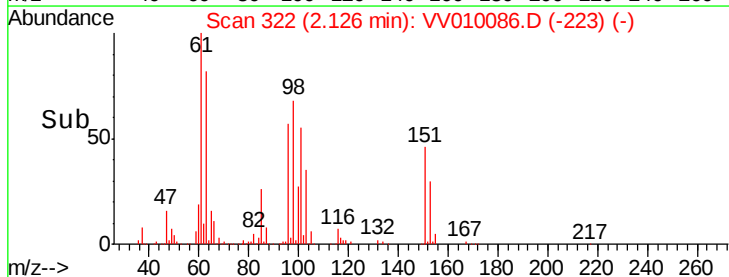
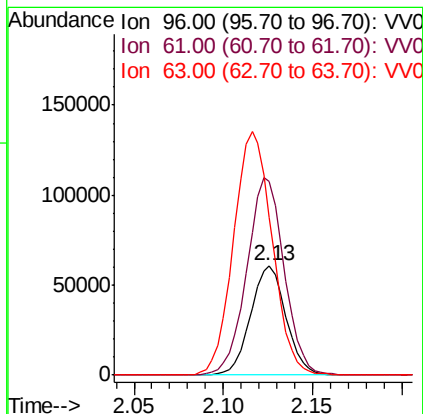
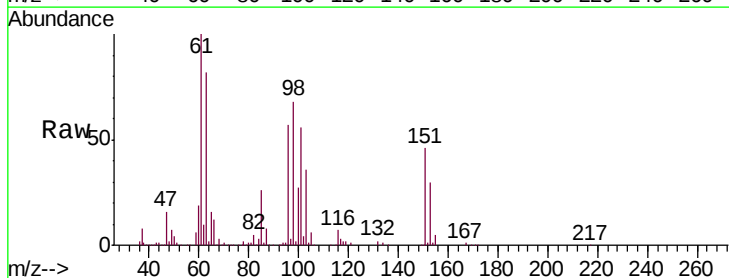
RT: 2.13 min Scan# 322

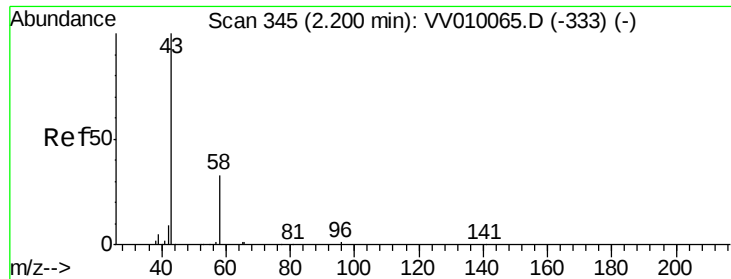
Delta R.T. -0.01 min

Lab File: VV010086.D

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Tgt Ion:	96	Resp:	83954
Ion	Ratio	Lower	Upper
96	100		
61	176.9	127.8	237.4
63	144.6	112.6	209.2

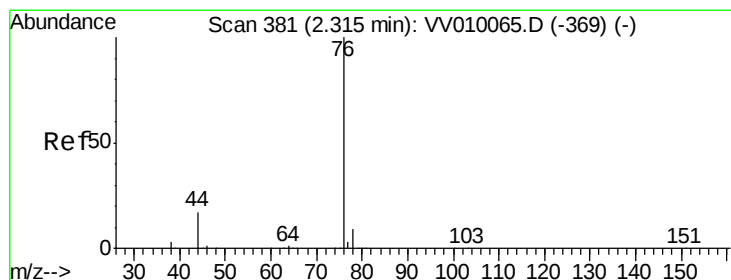
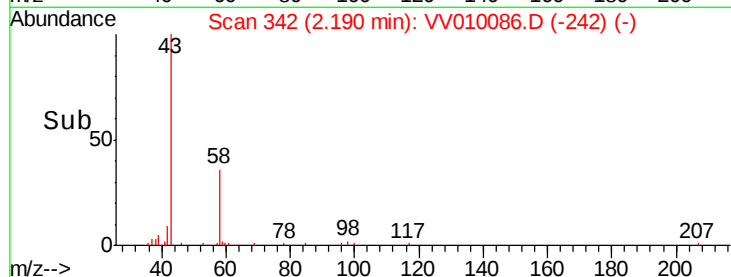
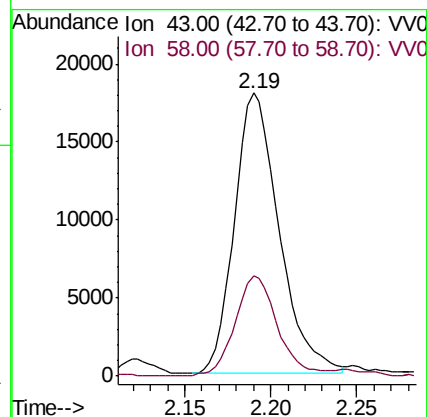
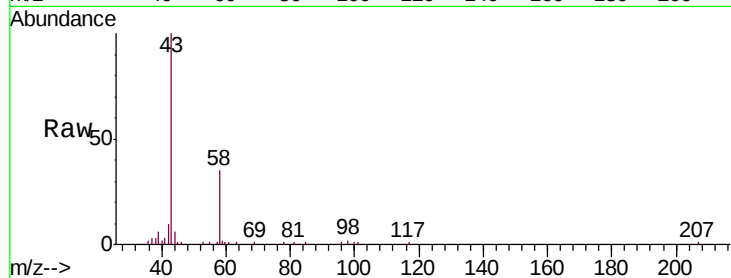




#13
Acetone
Concen: 27.919 ug/L
RT: 2.19 min Scan# 342
Delta R.T. -0.01 min
Lab File: VV010086.D
Acq: 03 Apr 2019 04:04

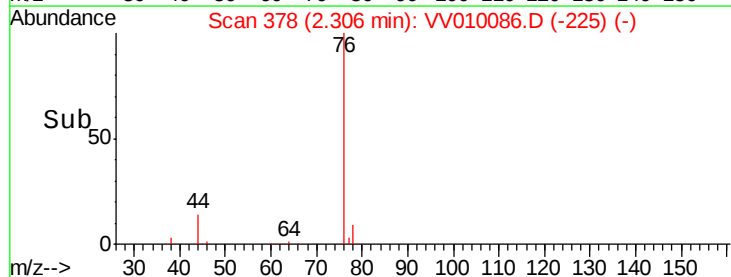
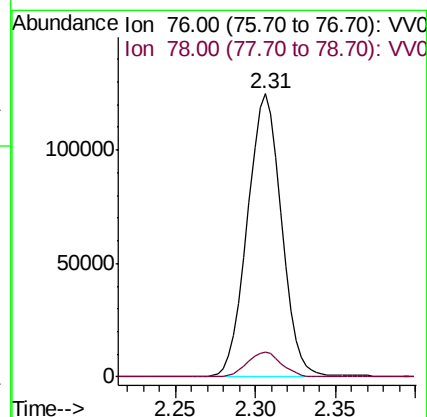
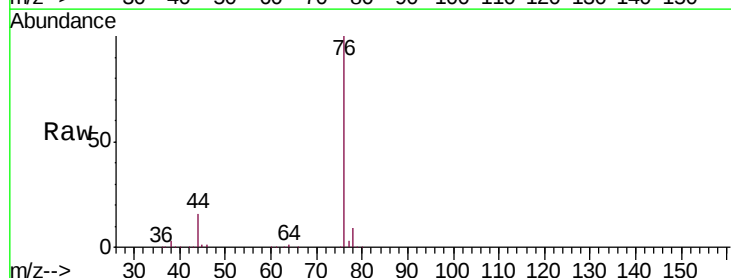
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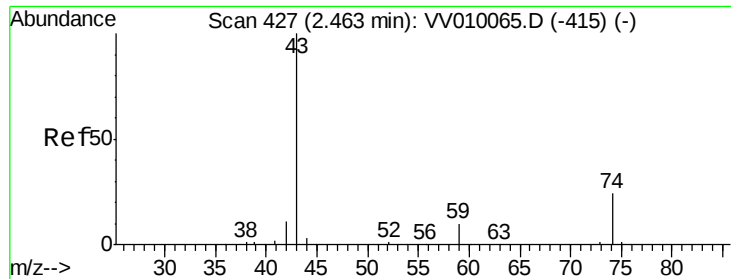
Tgt Ion: 43 Resp: 32524
Ion Ratio Lower Upper
43 100
58 34.2 0.0 64.6



#14
Carbon disulfide
Concen: 20.700 ug/L
RT: 2.31 min Scan# 378
Delta R.T. -0.01 min
Lab File: VV010086.D
Acq: 03 Apr 2019 04:04

Tgt Ion: 76 Resp: 181656
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7

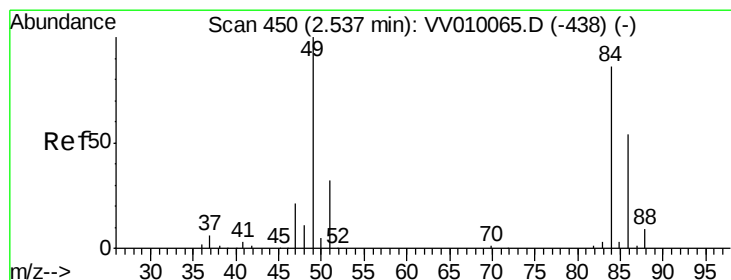
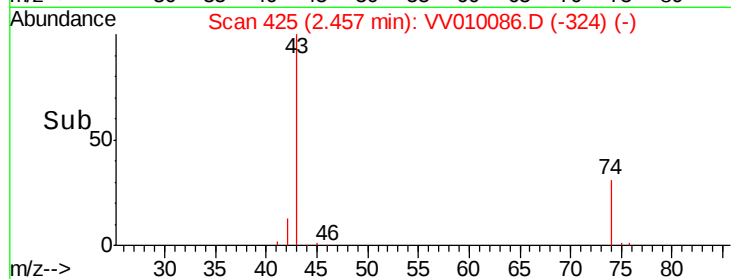
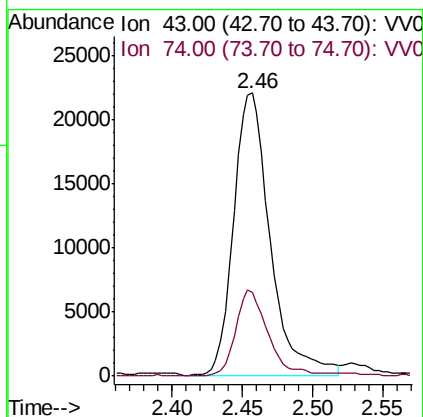
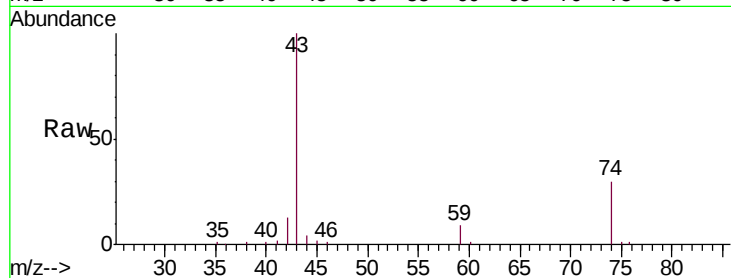




#15
Methyl Acetate
Concen: 21.734 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.01 min
Lab File: VV010086.D
Acq: 03 Apr 2019 04:04

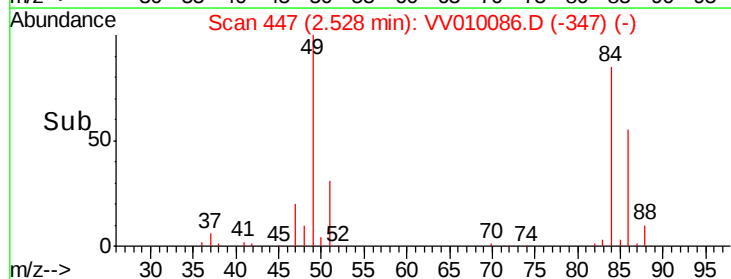
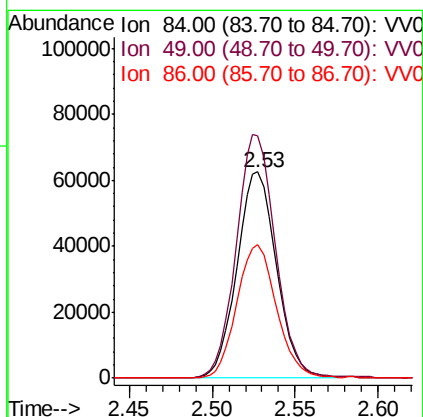
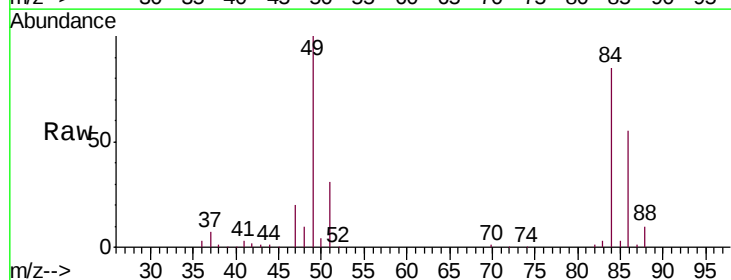
Instrument :
MSVOA_V
ClientSampleId :
VSTD02577

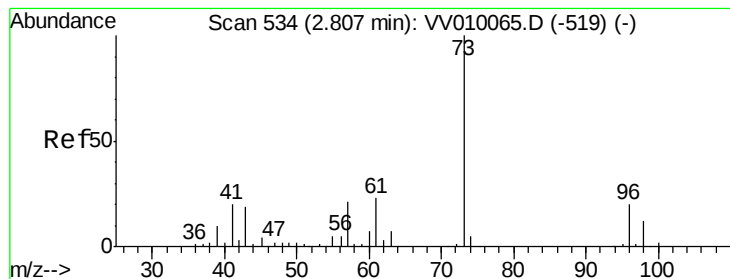
Tgt Ion: 43 Resp: 40513
Ion Ratio Lower Upper
43 100
74 25.7 20.0 30.0



#16
Methylene chloride
Concen: 19.135 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.01 min
Lab File: VV010086.D
Acq: 03 Apr 2019 04:04

Tgt Ion: 84 Resp: 103984
Ion Ratio Lower Upper
84 100
49 117.6 84.3 156.5
86 64.5 45.4 84.2





#17

Methyl tert-butyl Ether

Concen: 25.437 ug/L

RT: 2.80 min Scan# 531

Delta R.T. -0.01 min

Lab File: VV010086.D

Acq: 03 Apr 2019 04:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD02577

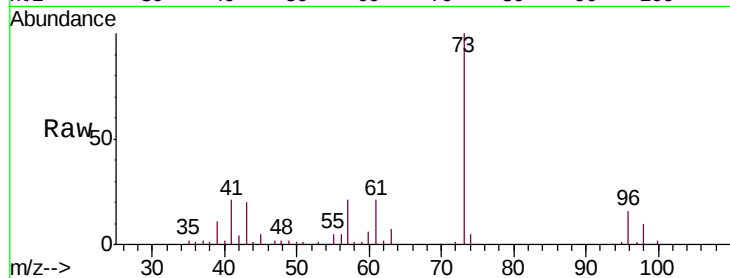
Tgt Ion: 73 Resp: 230370

Ion Ratio Lower Upper

73 100

43 19.4 15.5 23.3

57 21.3 16.8 25.2



Abundance Ion 73.00 (72.70 to 73.70): VV010086.D (-519) (-)

Ion 43.00 (42.70 to 43.70): VV010086.D (-519) (-)

Ion 57.00 (56.70 to 57.70): VV010086.D (-519) (-)

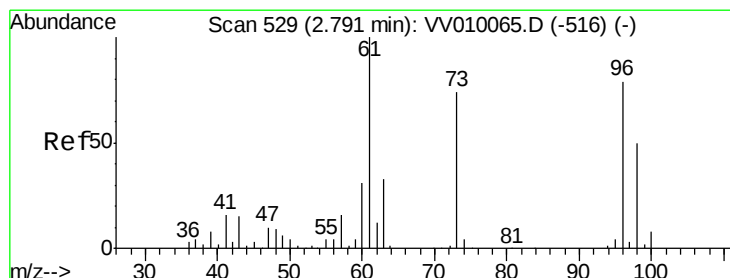
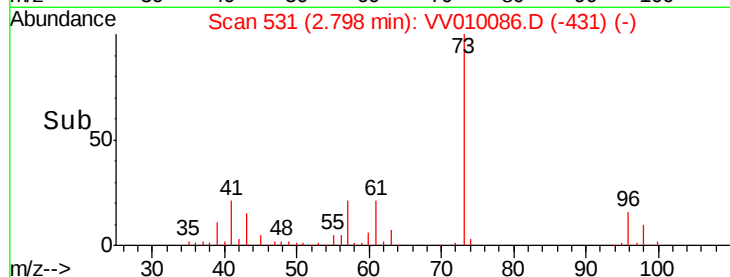
2.80

100000

50000

0

Time-->



#18

trans-1,2-Dichloroethene

Concen: 23.606 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.01 min

Lab File: VV010086.D

Acq: 03 Apr 2019 04:04

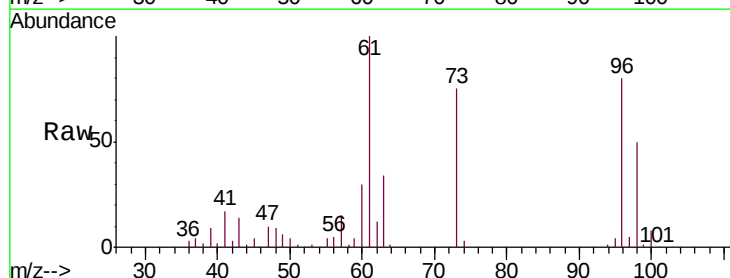
Tgt Ion: 96 Resp: 87191

Ion Ratio Lower Upper

96 100

61 125.3 90.0 167.2

98 63.0 44.2 82.2



Abundance Ion 96.00 (95.70 to 96.70): VV010086.D (-426) (-)

Ion 61.00 (60.70 to 61.70): VV010086.D (-426) (-)

Ion 98.00 (97.70 to 98.70): VV010086.D (-426) (-)

2.78

80000

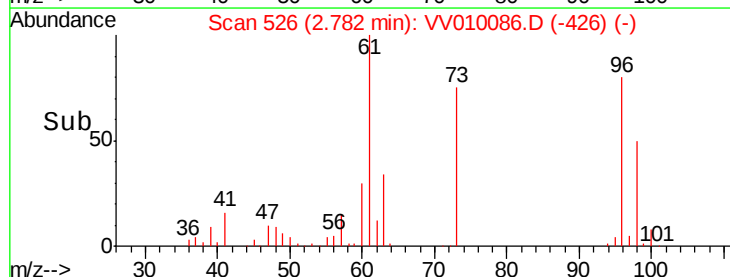
60000

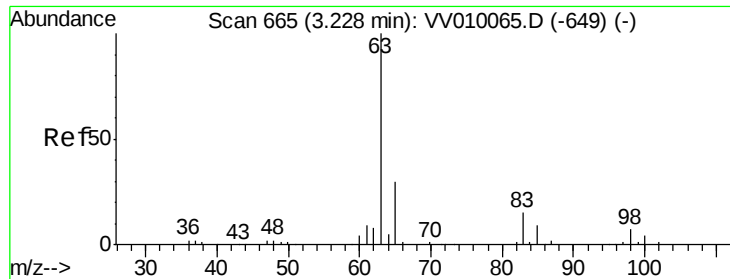
40000

20000

0

Time-->

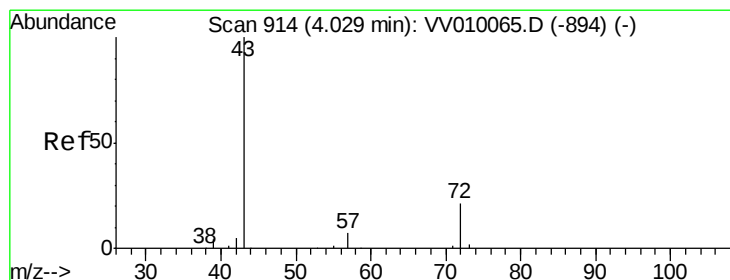
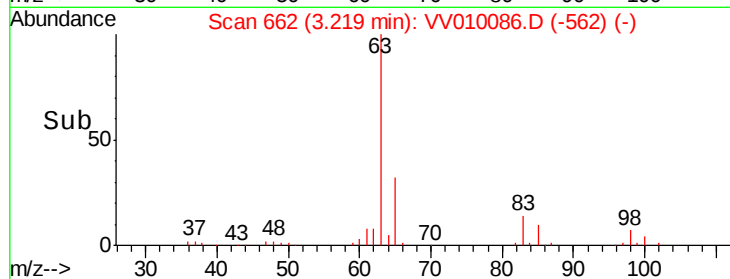
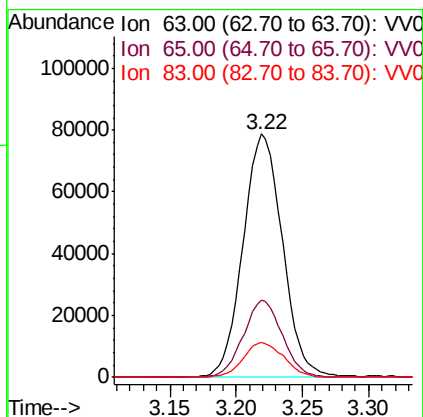
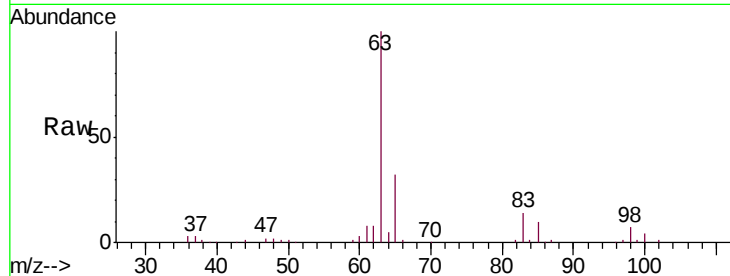




#19
 1,1-Dichloroethane
 Concen: 26.023 ug/L
 RT: 3.22 min Scan# 662
 Delta R.T. -0.01 min
 Lab File: VV010086.D
 Acq: 03 Apr 2019 04:04

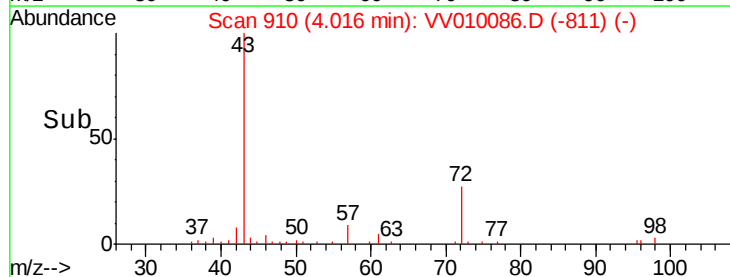
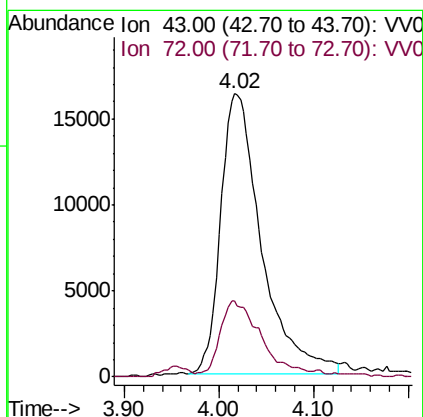
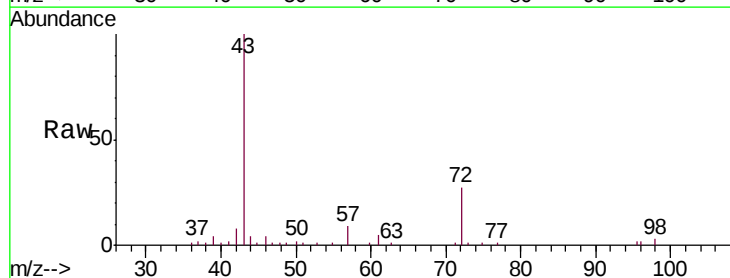
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02577

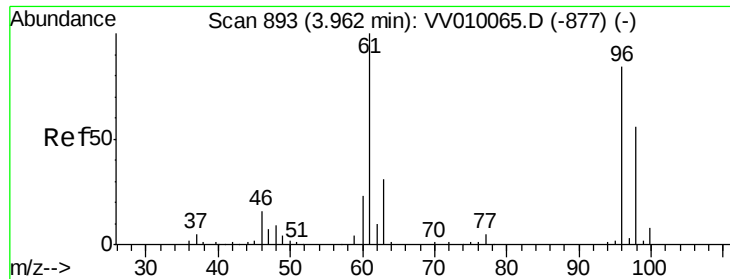
Tgt Ion: 63 Resp: 163307
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.3 41.3
 83 14.3 10.4 19.4



#21
 2-Butanone
 Concen: 38.505 ug/L
 RT: 4.02 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: VV010086.D
 Acq: 03 Apr 2019 04:04

Tgt Ion: 43 Resp: 49125
 Ion Ratio Lower Upper
 43 100
 72 18.7 12.8 38.4



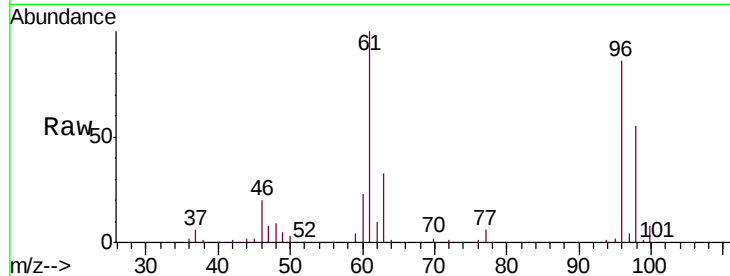


#22

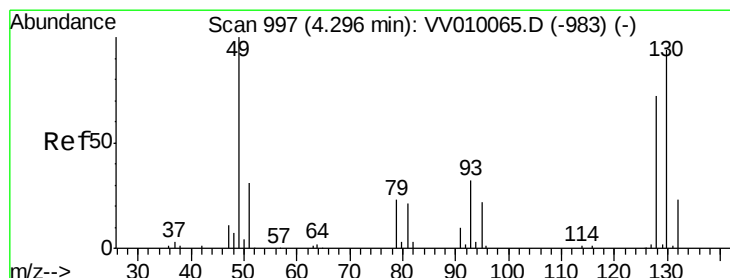
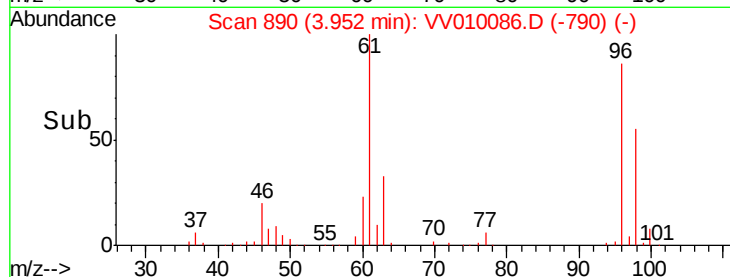
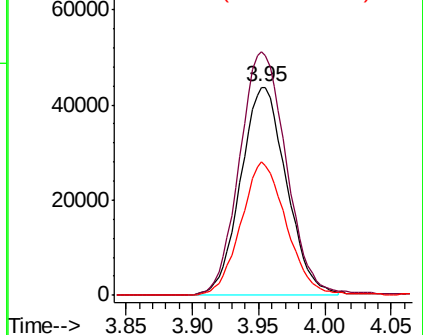
cis-1,2-Dichloroethene
 Concen: 25.712 ug/L
 RT: 3.95 min Scan# 890
 Delta R.T. -0.01 min
 Lab File: VV010086.D
 Acq: 03 Apr 2019 04:04

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02577

Tgt Ion: 96 Resp: 105450
 Ion Ratio Lower Upper
 96 100
 61 116.9 82.7 153.5
 98 64.1 43.9 81.5



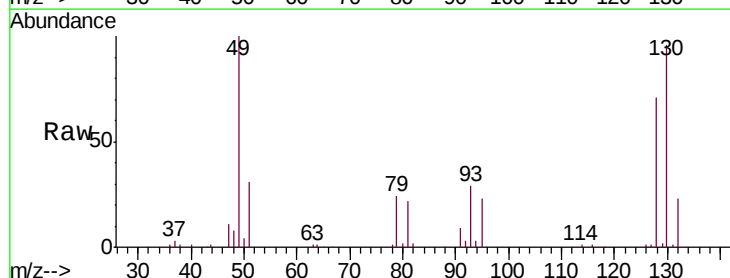
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0



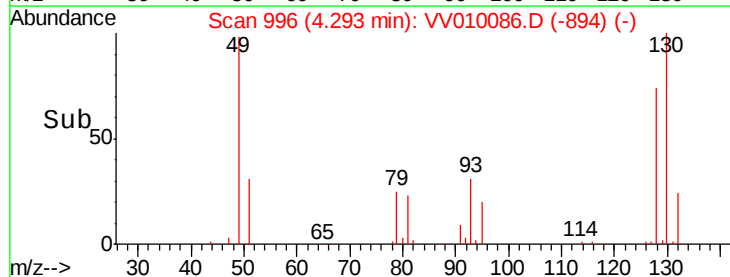
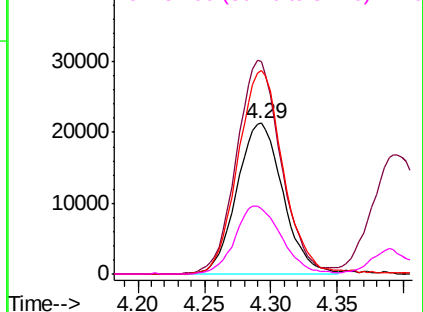
#23

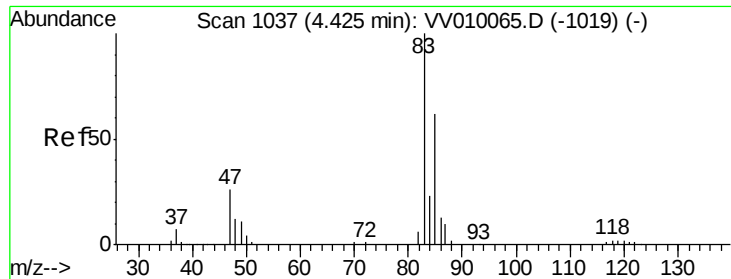
Bromochloromethane
 Concen: 25.888 ug/L
 RT: 4.29 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: VV010086.D
 Acq: 03 Apr 2019 04:04

Tgt Ion: 128 Resp: 51516
 Ion Ratio Lower Upper
 128 100
 49 140.8 92.8 172.4
 130 135.2 80.6 149.6
 51 43.7 33.1 49.7



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VV0
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VV0

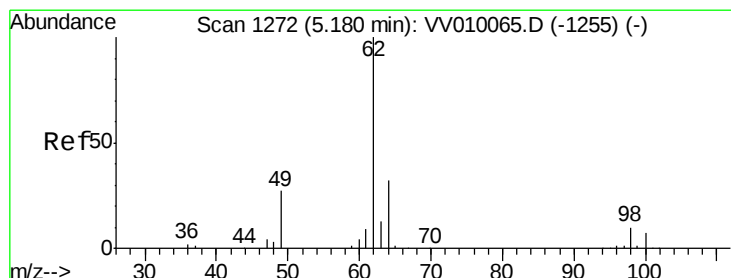
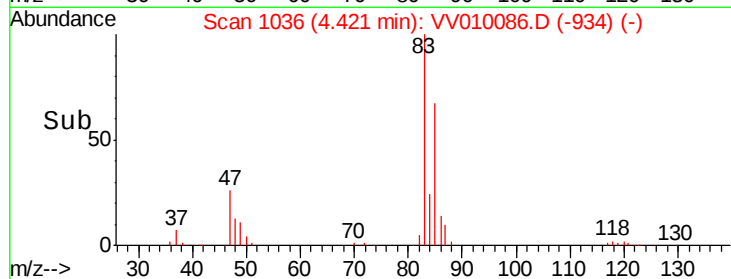
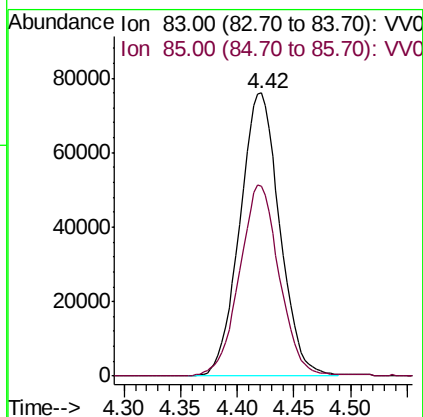
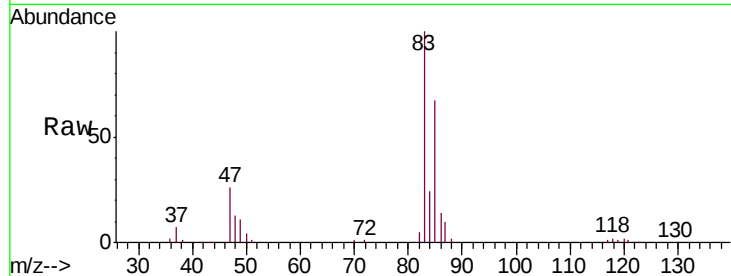




#25
Chloroform
Concen: 26.524 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV010086.D
Acq: 03 Apr 2019 04:04

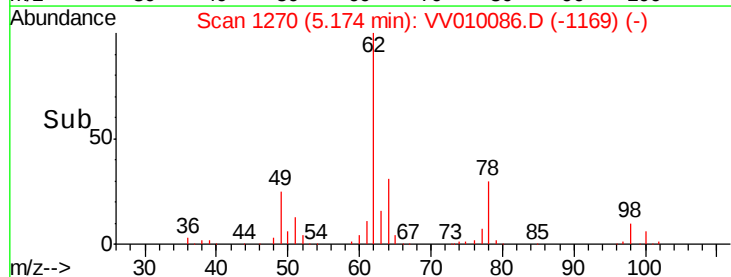
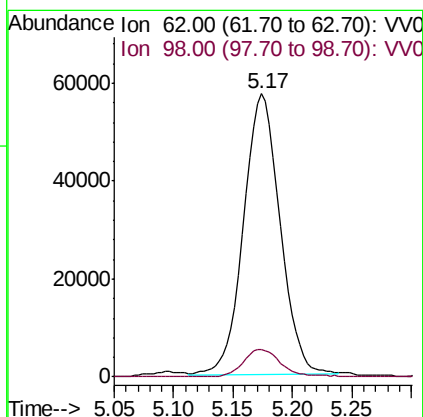
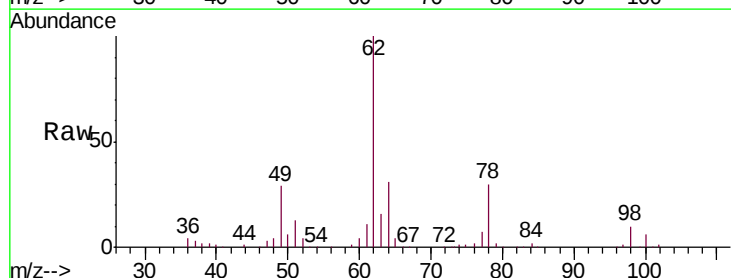
Instrument :
MSVOA_V
ClientSampleId :
VSTD02577

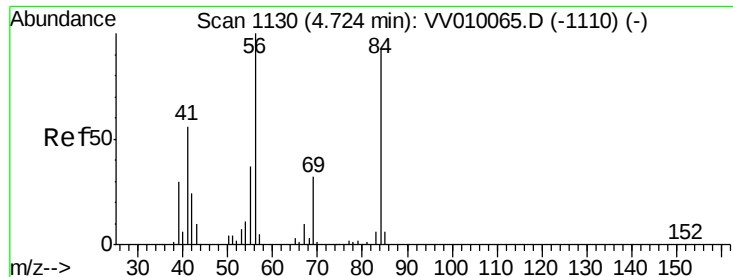
Tgt Ion: 83 Resp: 186537
Ion Ratio Lower Upper
83 100
85 67.3 46.4 86.2



#27
1,2-Dichloroethane
Concen: 25.599 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VV010086.D
Acq: 03 Apr 2019 04:04

Tgt Ion: 62 Resp: 122806
Ion Ratio Lower Upper
62 100
98 9.7 7.2 10.8

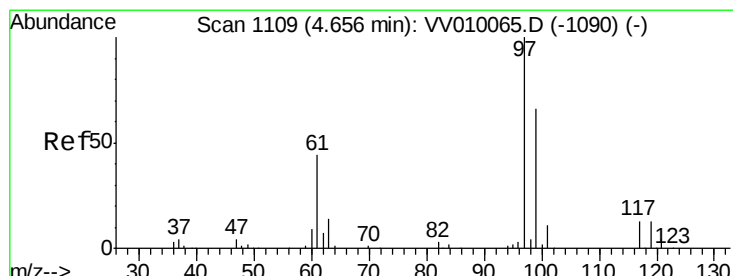
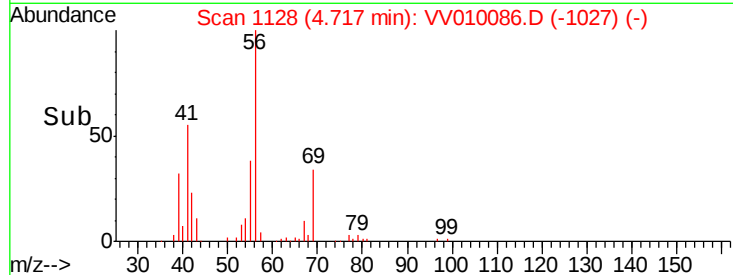
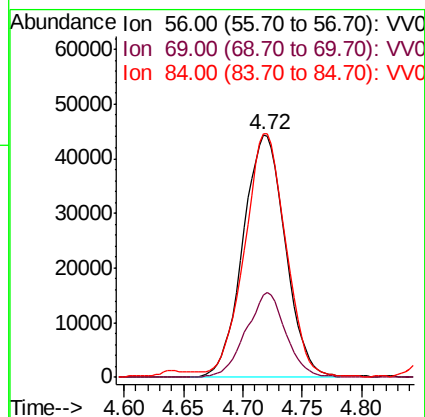
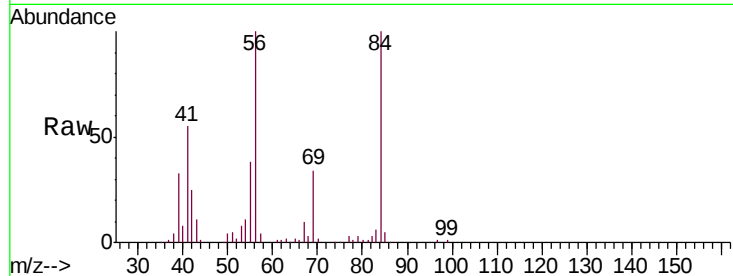




#30
Cyclohexane
Concen: 20.565 ug/L
RT: 4.72 min Scan# 1128
Delta R.T. -0.01 min
Lab File: VV010086.D
Acq: 03 Apr 2019 04:04

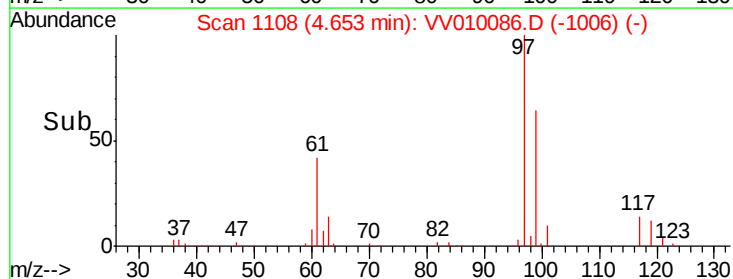
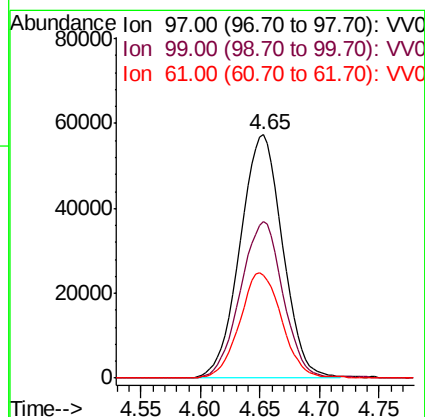
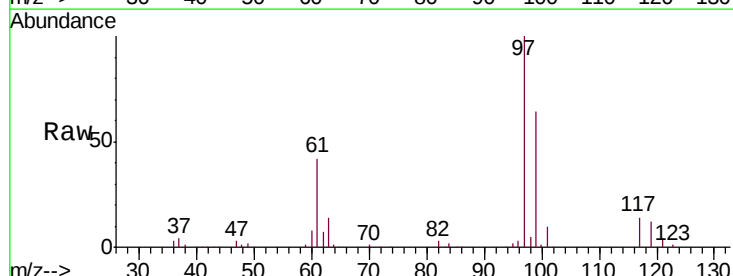
Instrument :
MSVOA_V
ClientSampleId :
VSTD02577

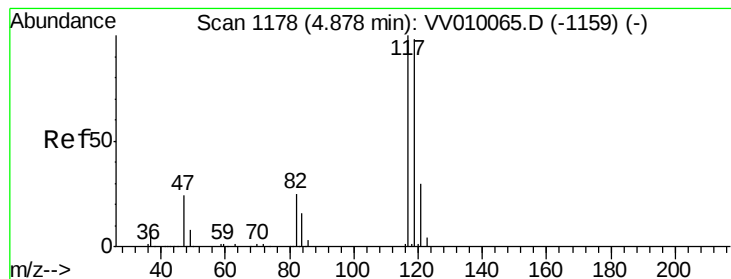
Tgt Ion: 56 Resp: 109427
Ion Ratio Lower Upper
56 100
69 33.0 25.1 37.7
84 96.9 76.0 114.0



#31
1,1,1-Trichloroethane
Concen: 23.637 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. -0.00 min
Lab File: VV010086.D
Acq: 03 Apr 2019 04:04

Tgt Ion: 97 Resp: 142096
Ion Ratio Lower Upper
97 100
99 64.1 52.4 78.6
61 42.7 34.1 51.1





#32

Carbon tetrachloride

Concen: 22.919 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.01 min

Lab File: VV010086.D

Acq: 03 Apr 2019 04:04

Instrument :

MSVOA_V

ClientSampleId :

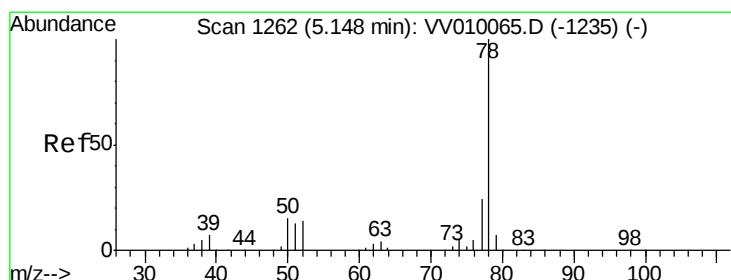
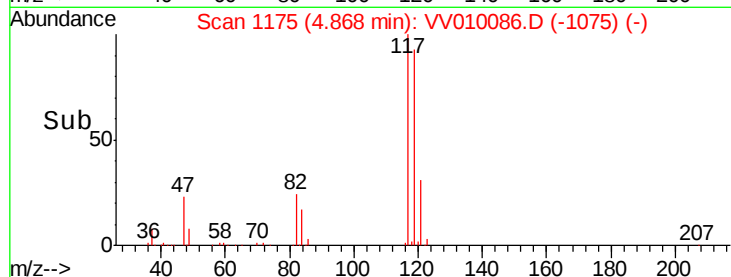
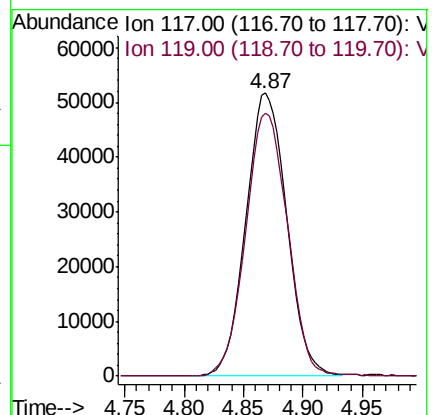
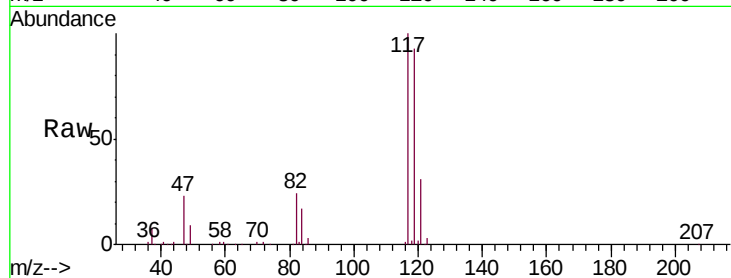
VSTD02577

Tgt Ion:117 Resp: 123150

Ion Ratio Lower Upper

117 100

119 95.2 76.1 114.1



#34

Benzene

Concen: 25.671 ug/L

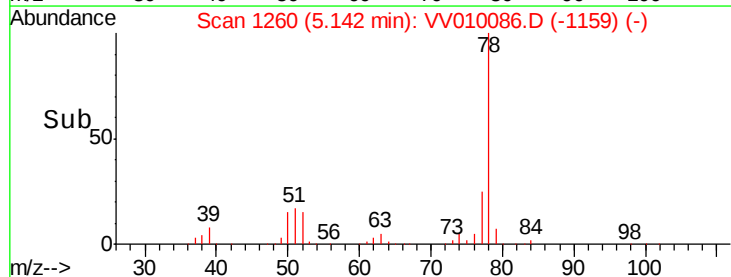
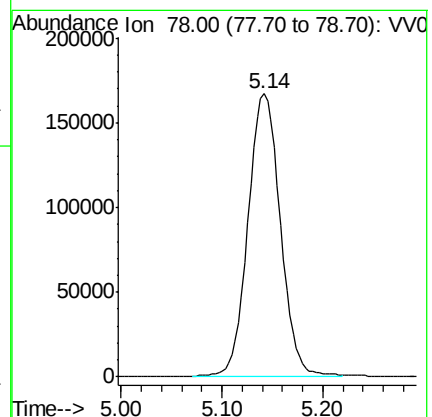
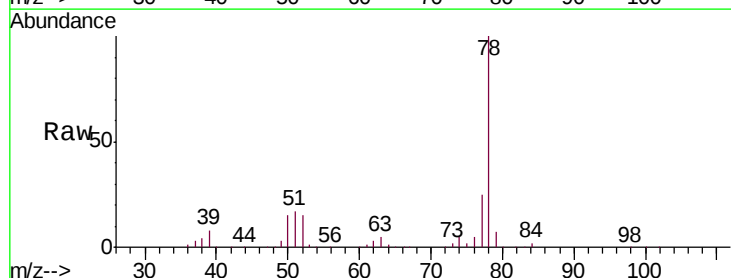
RT: 5.14 min Scan# 1260

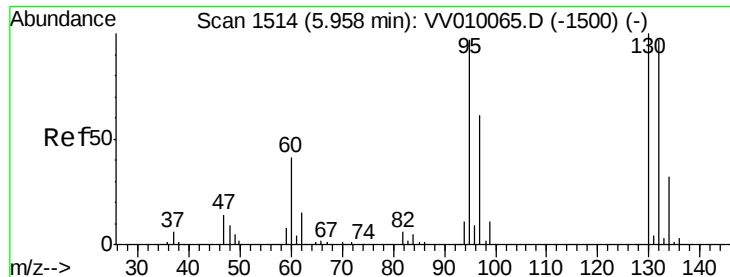
Delta R.T. -0.01 min

Lab File: VV010086.D

Acq: 03 Apr 2019 04:04

Tgt Ion: 78 Resp: 370045





#35

Trichloroethene

Concen: 24.510 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV010086.D

Acq: 03 Apr 2019 04:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD02577

Tgt Ion: 95 Resp: 101694

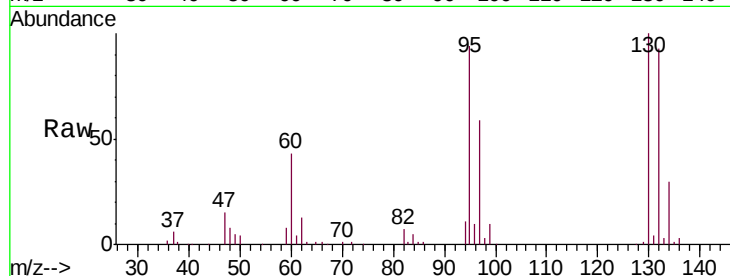
Ion Ratio Lower Upper

95 100

97 65.2 45.8 85.2

132 100.9 70.6 131.0

130 105.4 76.1 141.3

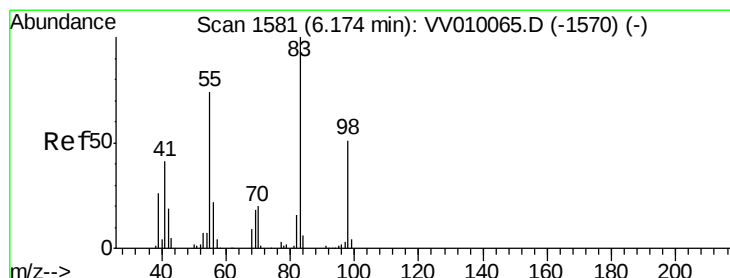
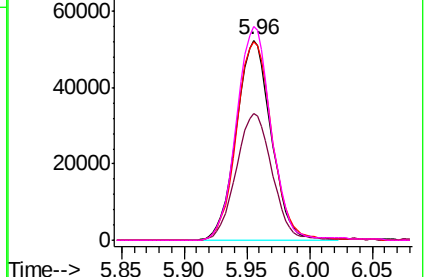
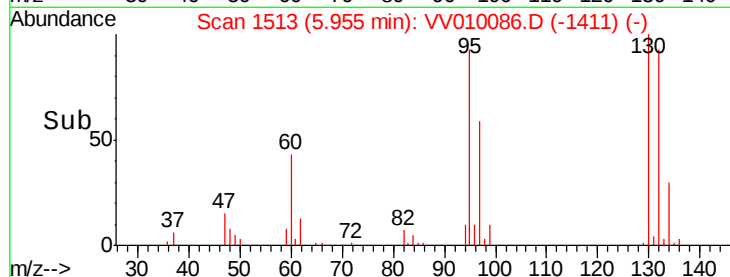


Abundance Ion 95.00 (94.70 to 95.70): VV0

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



#36

Methylcyclohexane

Concen: 21.282 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV010086.D

Acq: 03 Apr 2019 04:04

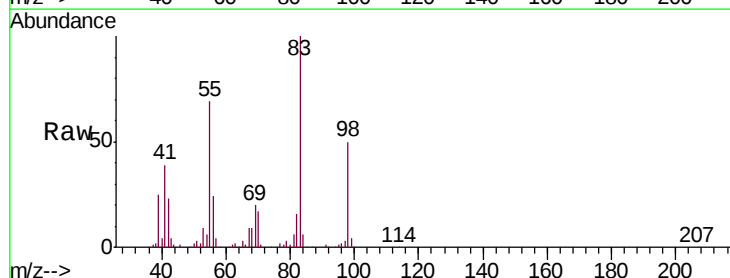
Tgt Ion: 83 Resp: 132282

Ion Ratio Lower Upper

83 100

55 68.1 56.3 84.5

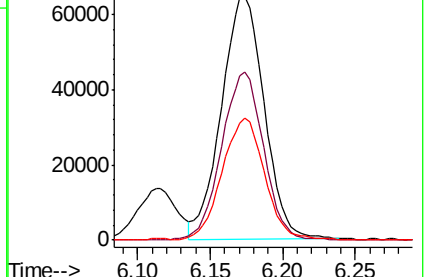
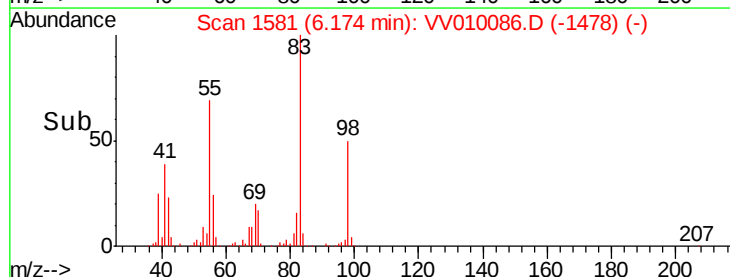
98 49.4 39.0 58.6

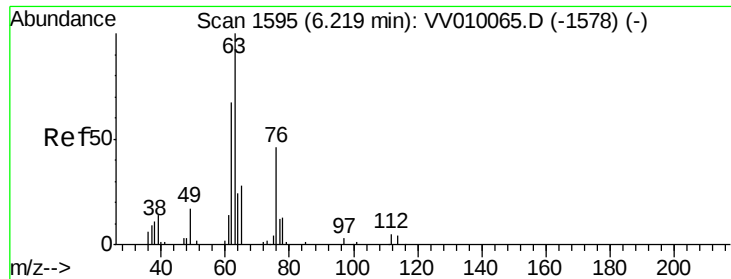


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

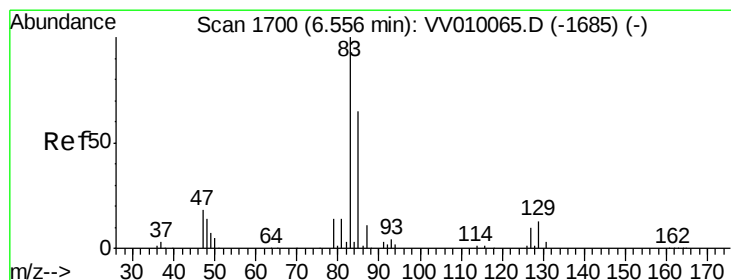
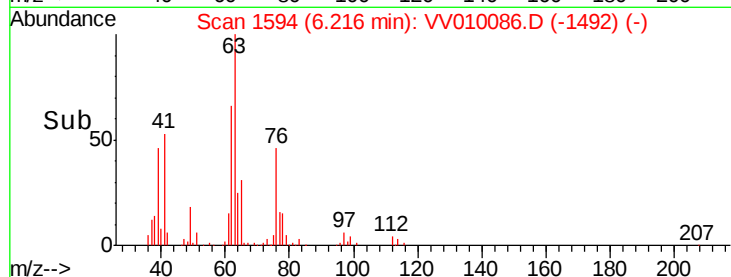
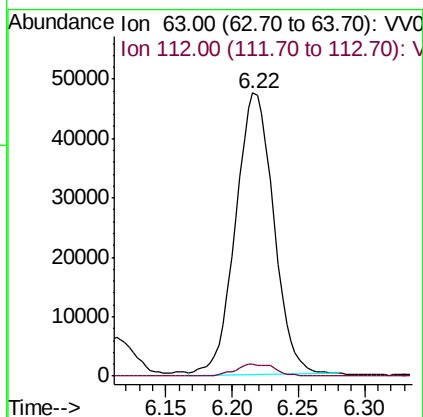
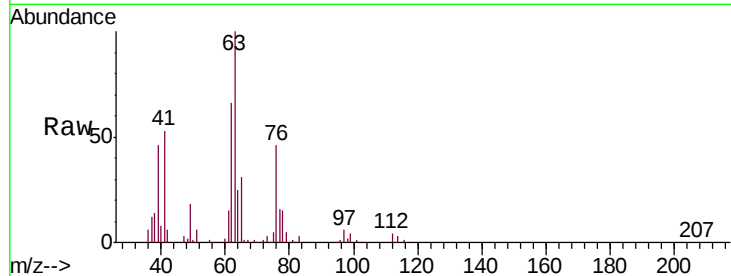




#40
 1,2-Dichloropropane
 Concen: 26.010 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV010086.D
 Acq: 03 Apr 2019 04:04

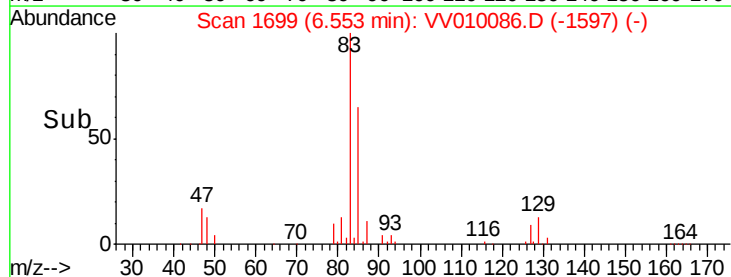
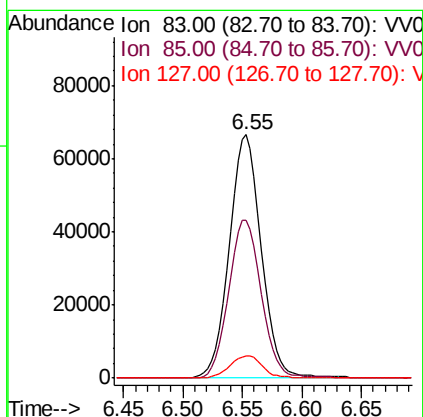
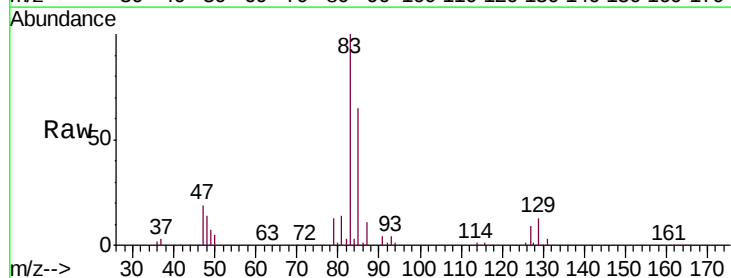
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02577

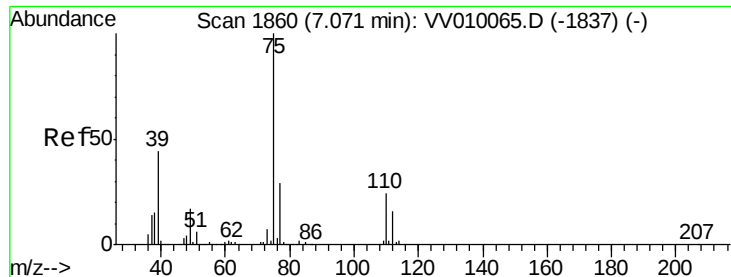
Tgt Ion: 63 Resp: 94732
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.6 5.4



#41
 Bromodichloromethane
 Concen: 26.178 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV010086.D
 Acq: 03 Apr 2019 04:04

Tgt Ion: 83 Resp: 123995
 Ion Ratio Lower Upper
 83 100
 85 64.6 47.5 88.3
 127 10.1 7.7 11.5



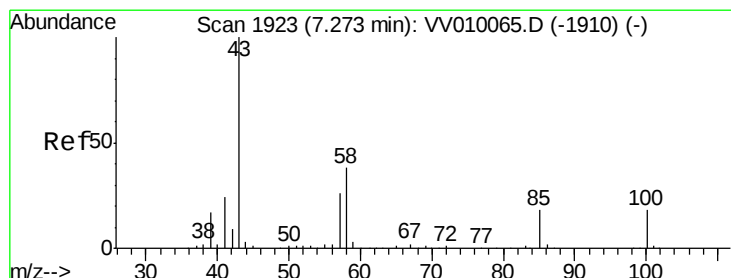
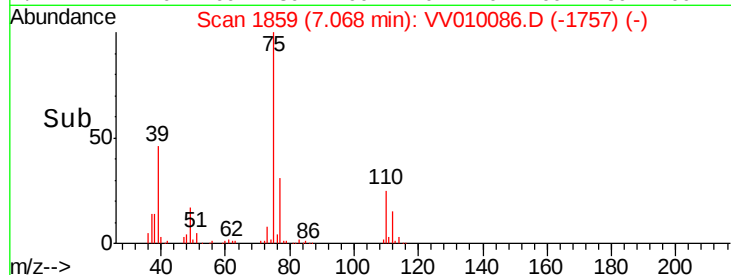
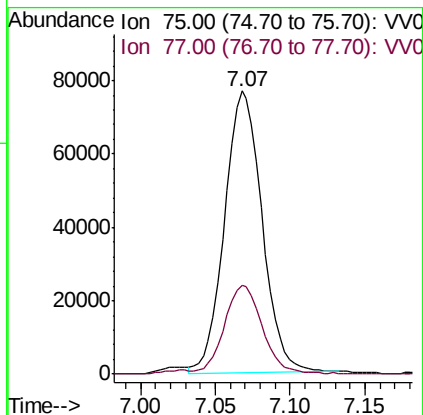
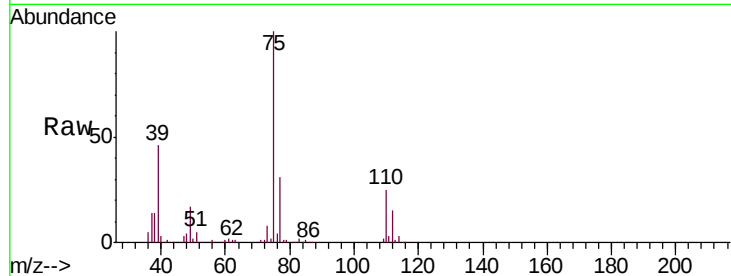


#42

cis-1,3-Dichloropropene
Concen: 25.433 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VV010086.D
Acq: 03 Apr 2019 04:04

Instrument :
MSVOA_V
ClientSampleId :
VSTD02577

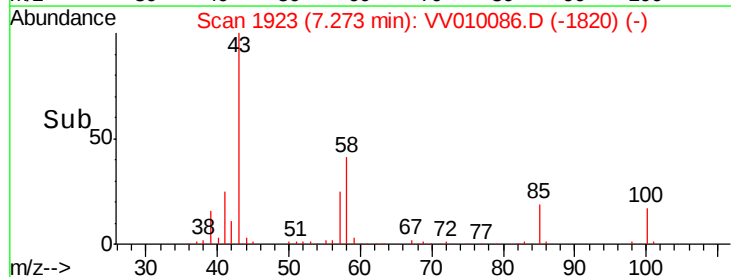
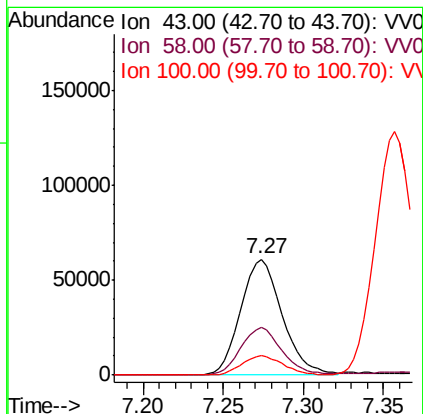
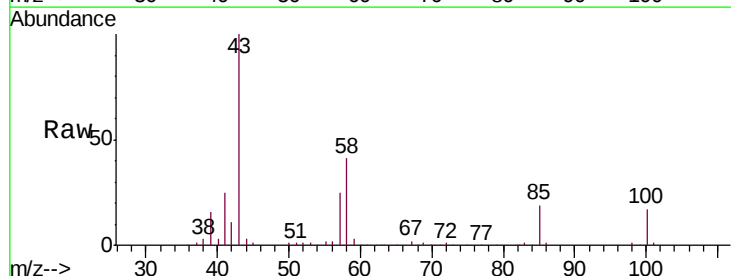
Tgt Ion: 75 Resp: 134088
Ion Ratio Lower Upper
75 100
77 31.5 22.1 41.1

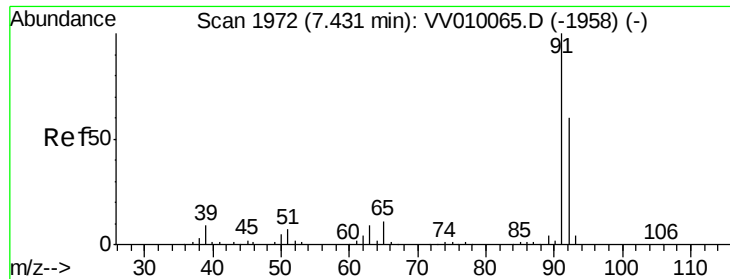


#43

4-Methyl-2-pentanone
Concen: 40.343 ug/L
RT: 7.27 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VV010086.D
Acq: 03 Apr 2019 04:04

Tgt Ion: 43 Resp: 108716
Ion Ratio Lower Upper
43 100
58 40.9 31.5 47.3
100 16.4 13.4 20.0





#44

Toluene

Concen: 24.540 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV010086.D

Acq: 03 Apr 2019 04:04

Instrument :

MSVOA_V

ClientSampleId :

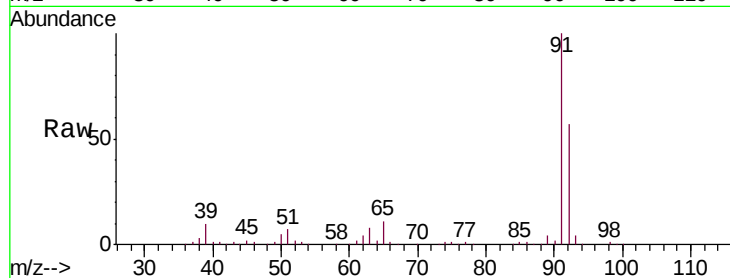
VSTD02577

Tgt Ion: 91 Resp: 397014

Ion Ratio Lower Upper

91 100

92 57.0 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV010065.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV010065.D (-1958) (-)

7.43

250000

200000

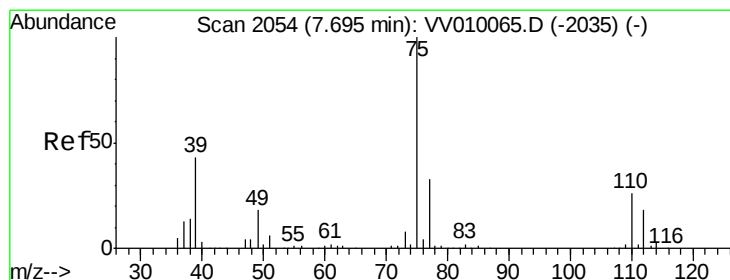
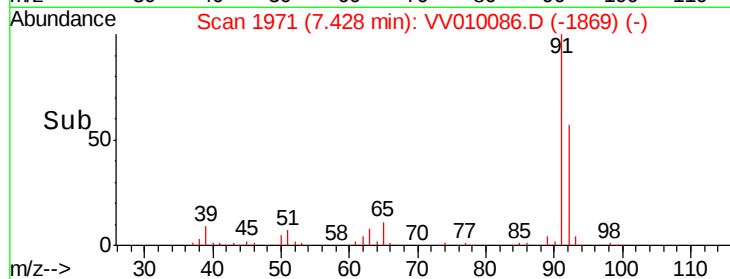
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 24.615 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV010086.D

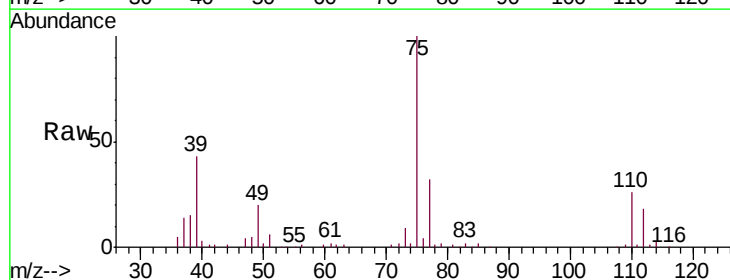
Acq: 03 Apr 2019 04:04

Tgt Ion: 75 Resp: 110371

Ion Ratio Lower Upper

75 100

77 32.1 23.5 43.7



Abundance Ion 75.00 (74.70 to 75.70): VV010065.D (-2035) (-)

Ion 77.00 (76.70 to 77.70): VV010065.D (-2035) (-)

7.69

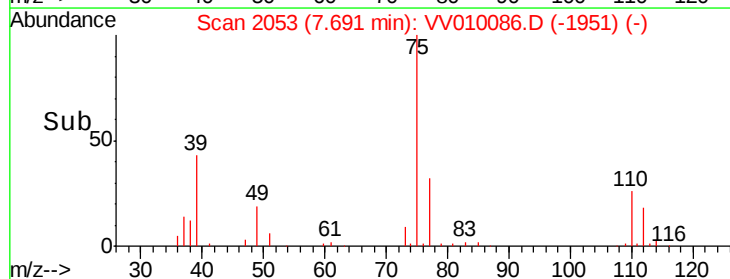
60000

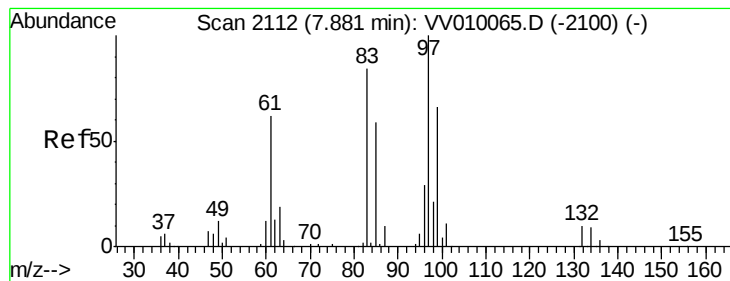
40000

20000

0

Time-->





#46

1,1,2-Trichloroethane

Concen: 24.456 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV010086.D

Acq: 03 Apr 2019 04:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD02577

Tgt Ion: 97 Resp: 78982

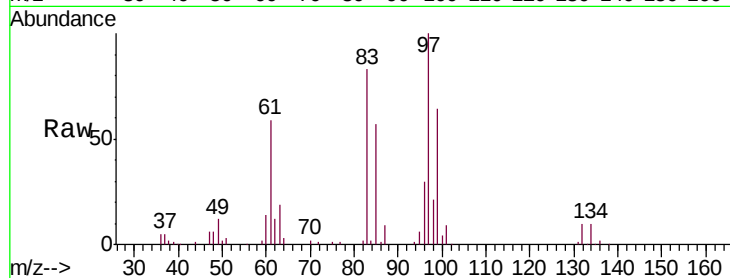
Ion Ratio Lower Upper

97 100

83 82.6 58.5 108.7

85 56.8 37.2 69.2

99 63.7 43.3 80.3

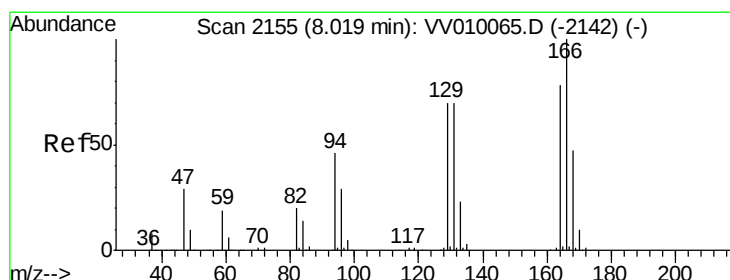
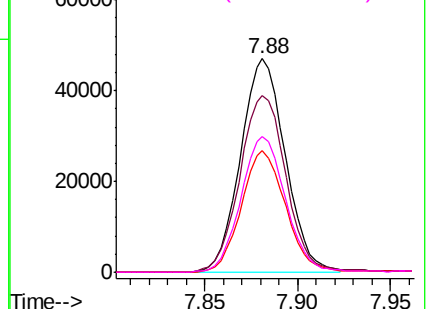
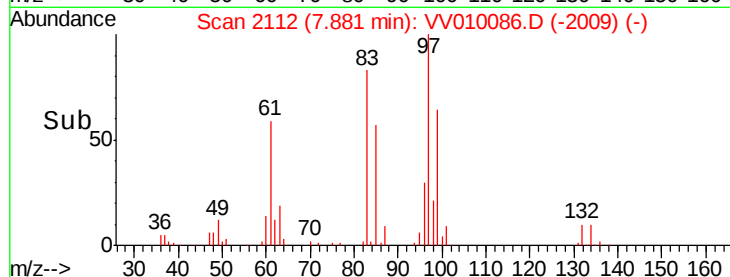


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 99.00 (98.70 to 99.70): VV0



#47

Tetrachloroethene

Concen: 22.361 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV010086.D

Acq: 03 Apr 2019 04:04

Tgt Ion: 164 Resp: 77658

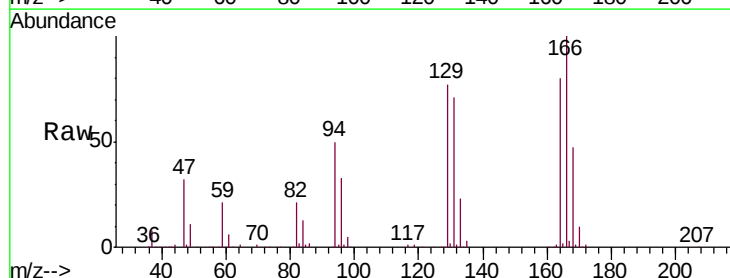
Ion Ratio Lower Upper

164 100

129 97.3 67.8 125.8

131 89.2 65.2 121.0

166 125.7 93.8 174.2

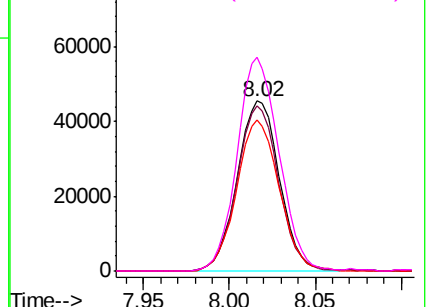
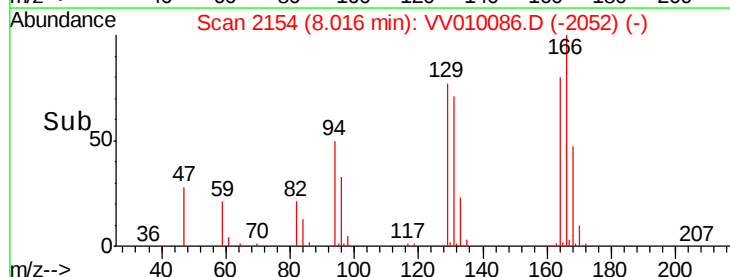


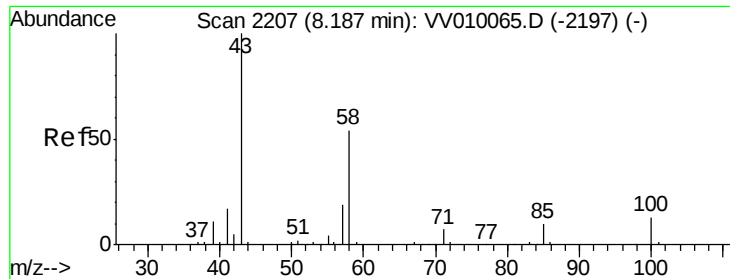
Abundance Ion 164.00 (163.70 to 164.70): V

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

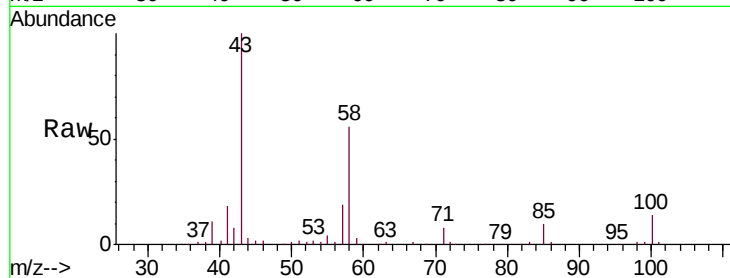




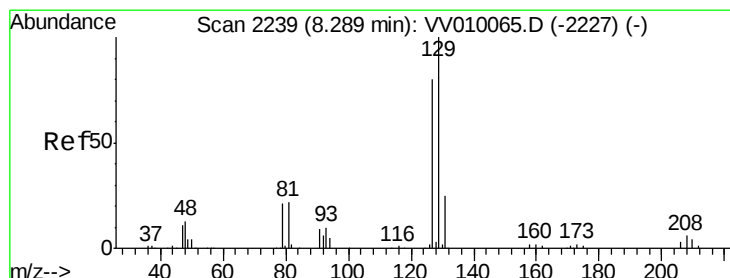
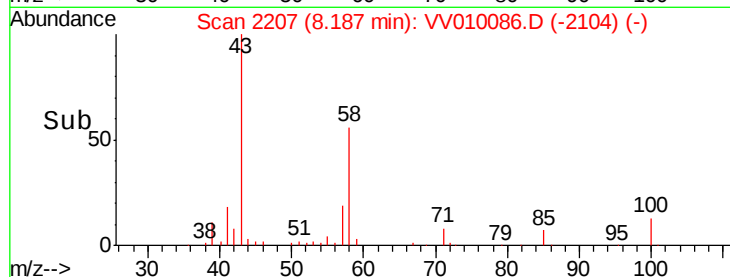
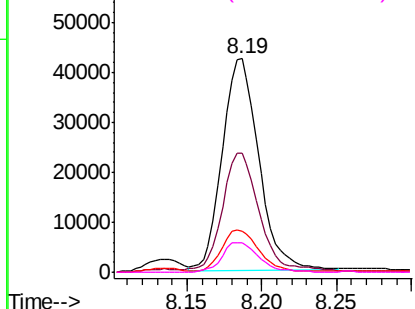
#49
2-Hexanone
Concen: 37.726 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV010086.D
Acq: 03 Apr 2019 04:04

Instrument :
MSVOA_V
ClientSampleId :
VSTD02577

Tgt Ion: 43 Resp: 72615
Ion Ratio Lower Upper
43 100
58 55.7 44.3 66.5
57 19.6 13.8 20.8
100 14.2 10.6 15.8

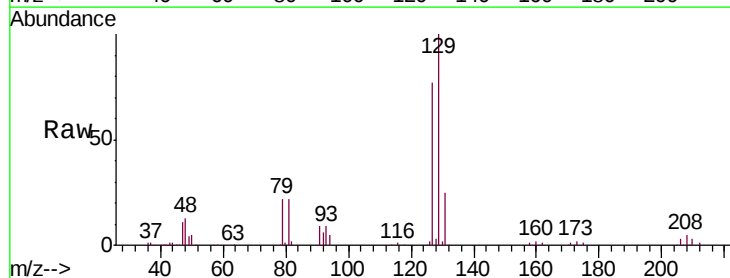


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

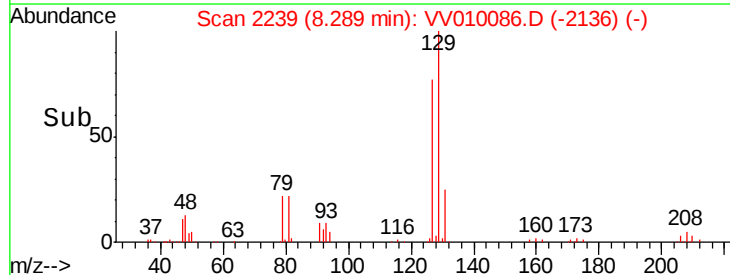
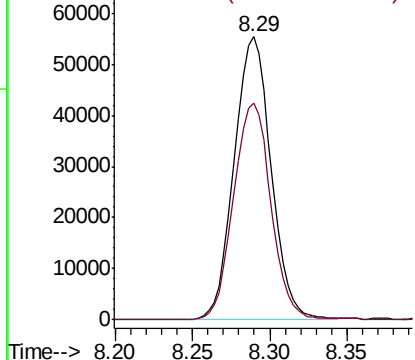


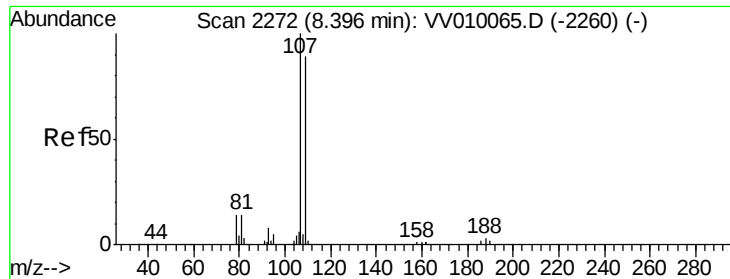
#50
Dibromochloromethane
Concen: 25.478 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV010086.D
Acq: 03 Apr 2019 04:04

Tgt Ion: 129 Resp: 92237
Ion Ratio Lower Upper
129 100
127 76.6 52.1 96.7



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





#51

1,2-Dibromoethane

Concen: 24.768 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV010086.D

Acq: 03 Apr 2019 04:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD02577

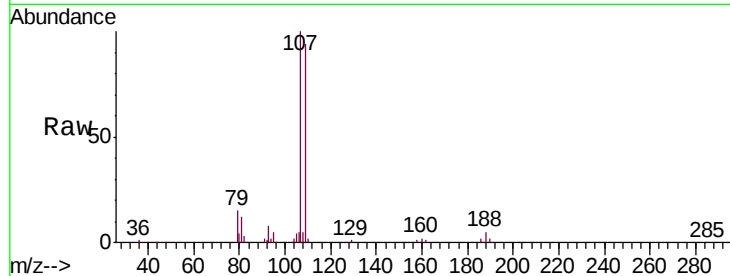
Tgt Ion:107 Resp: 79050

Ion Ratio Lower Upper

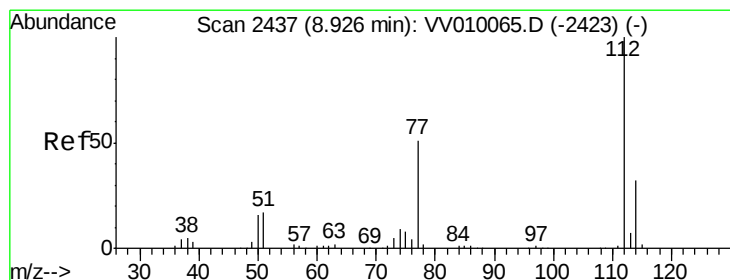
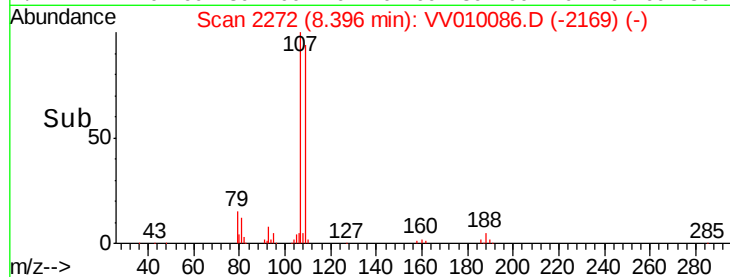
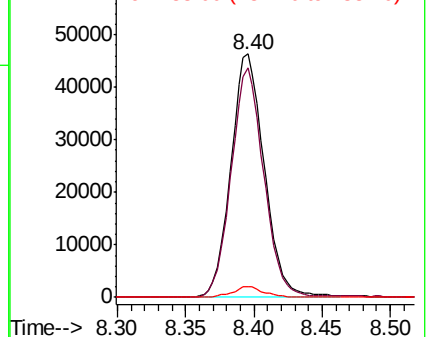
107 100

109 94.4 66.5 123.5

188 4.5 3.3 4.9



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



#52

Chlorobenzene

Concen: 24.645 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV010086.D

Acq: 03 Apr 2019 04:04

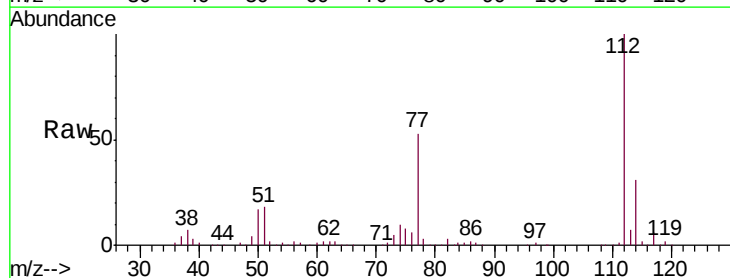
Tgt Ion:112 Resp: 271960

Ion Ratio Lower Upper

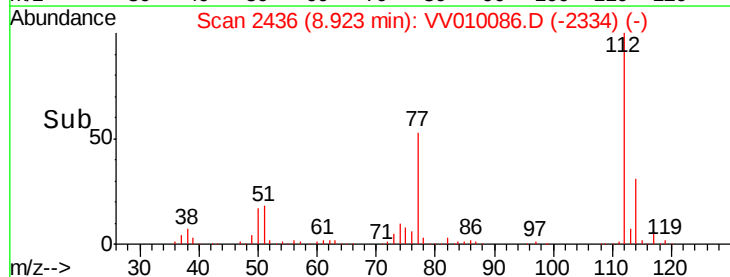
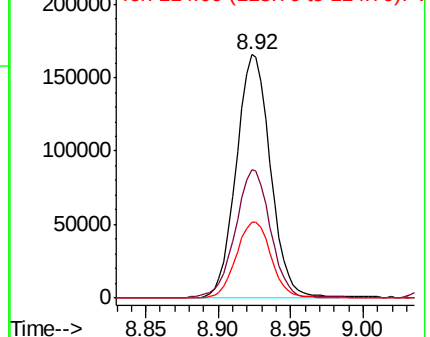
112 100

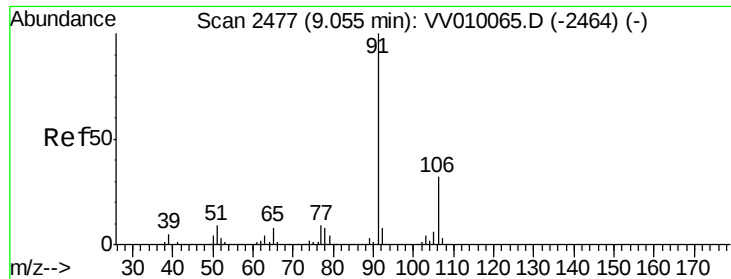
77 52.8 42.9 64.3

114 31.2 23.4 43.4



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





#53

Ethylbenzene

Concen: 23.278 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV010086.D

Acq: 03 Apr 2019 04:04

Instrument :

MSVOA_V

ClientSampleId :

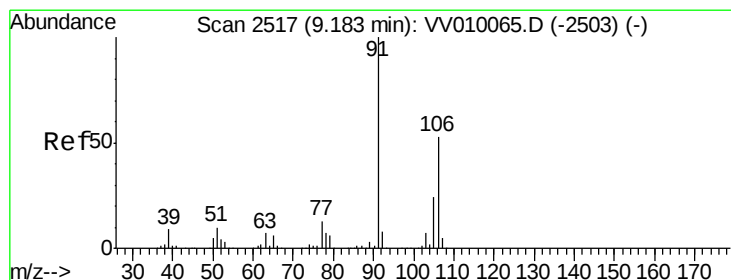
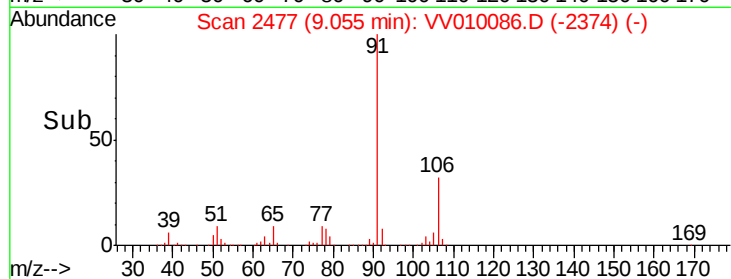
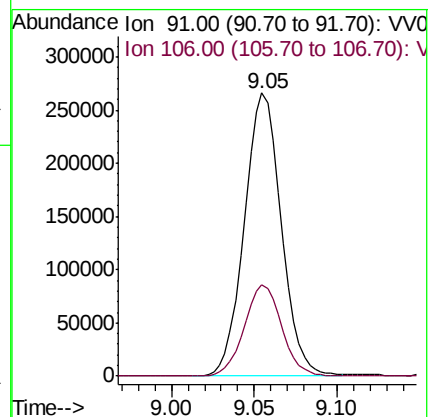
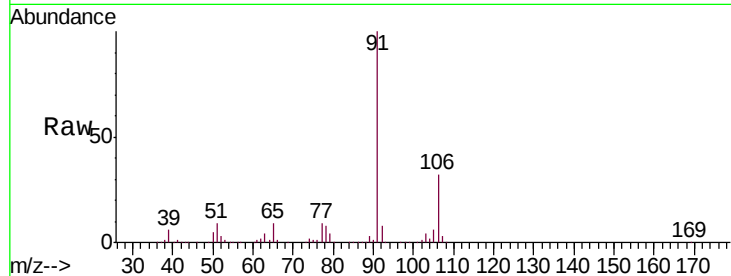
VSTD02577

Tgt Ion: 91 Resp: 412950

Ion Ratio Lower Upper

91 100

106 32.1 23.1 42.9



#54

m,p-Xylene

Concen: 23.985 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV010086.D

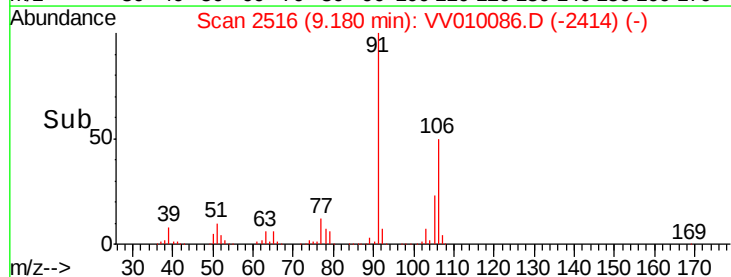
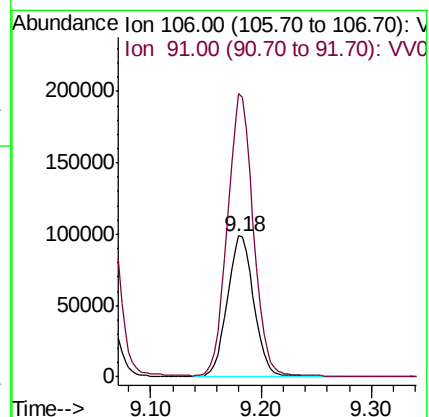
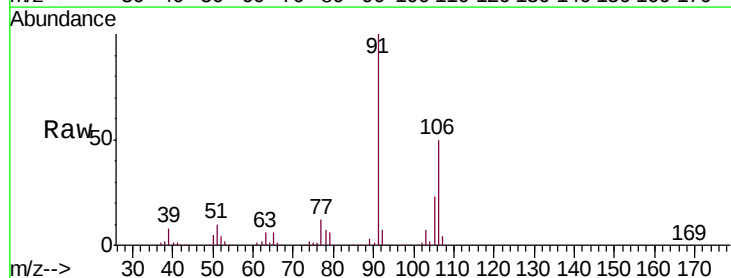
Acq: 03 Apr 2019 04:04

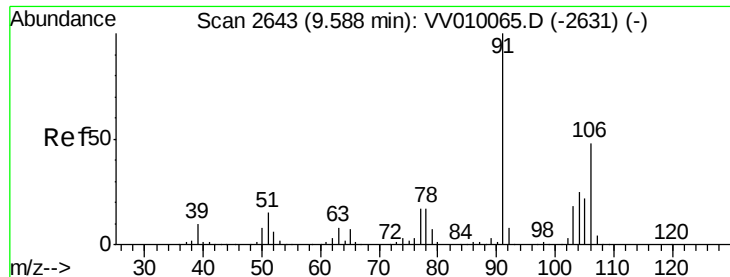
Tgt Ion: 106 Resp: 165611

Ion Ratio Lower Upper

106 100

91 200.6 139.3 258.7





#55

o-xylene

Concen: 24.638 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV010086.D

Acq: 03 Apr 2019 04:04

Instrument :

MSVOA_V

ClientSampleId :

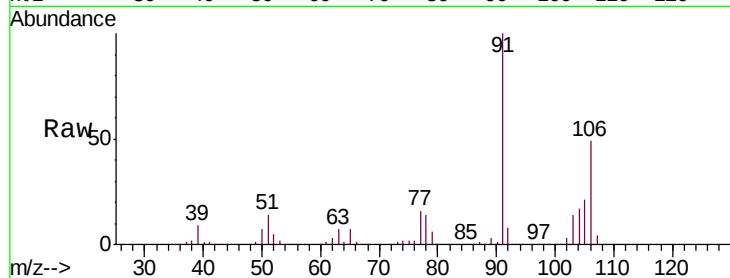
VSTD02577

Tgt Ion:106 Resp: 164820

Ion Ratio Lower Upper

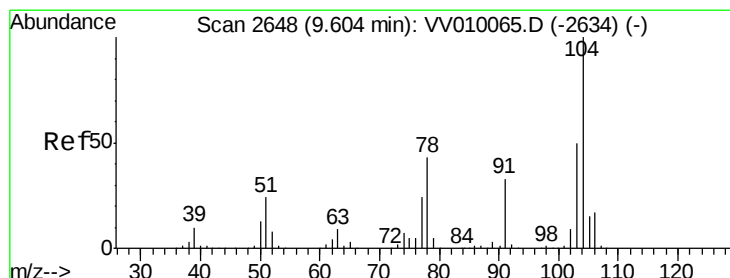
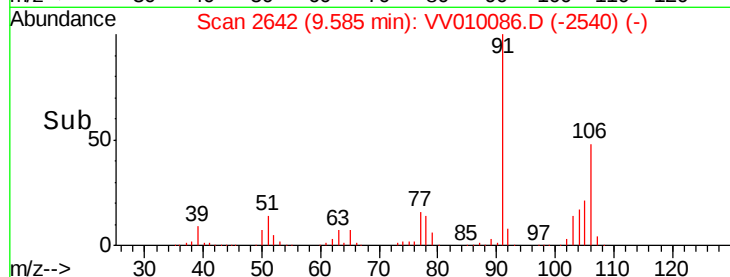
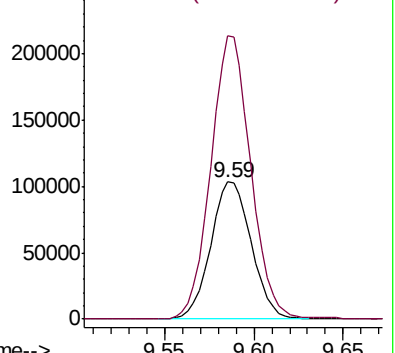
106 100

91 206.1 150.4 279.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 25.403 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV010086.D

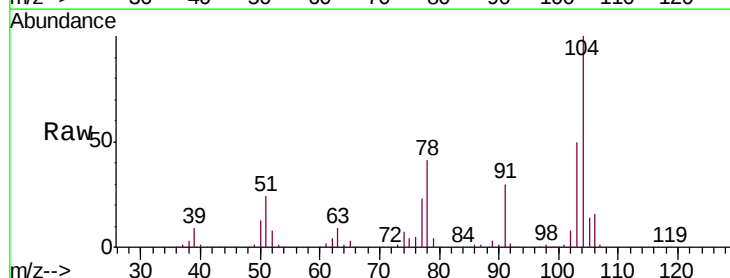
Acq: 03 Apr 2019 04:04

Tgt Ion:104 Resp: 281107

Ion Ratio Lower Upper

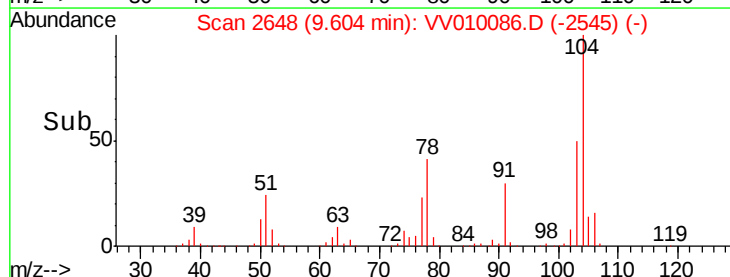
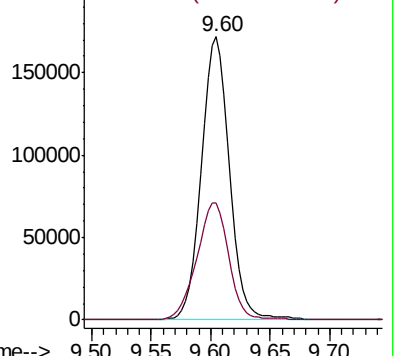
104 100

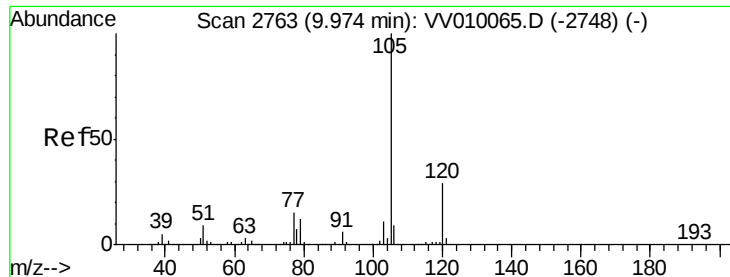
78 41.1 30.5 56.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 23.219 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV010086.D

Acq: 03 Apr 2019 04:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD02577

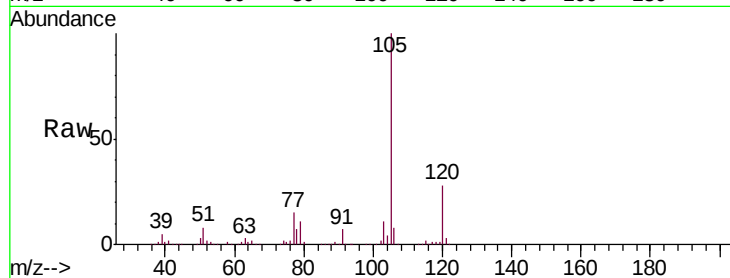
Tgt Ion: 105 Resp: 409635

Ion Ratio Lower Upper

105 100

120 27.4 21.5 32.3

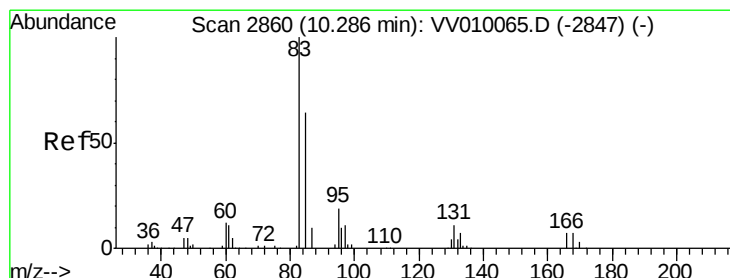
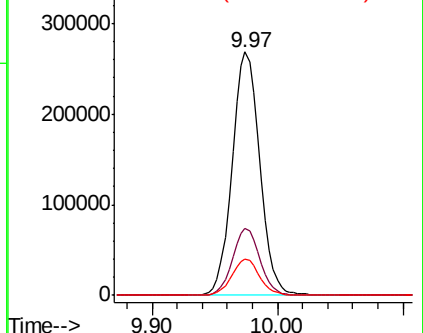
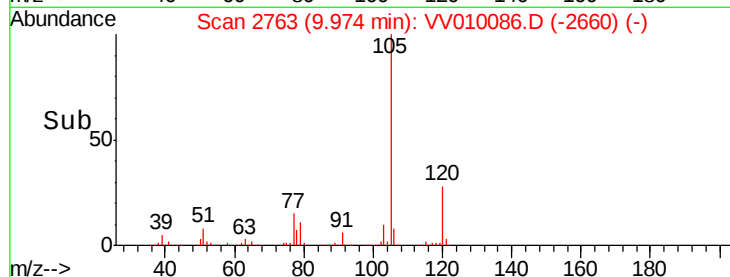
77 15.0 12.4 18.6



Abundance Ion 105.00 (104.70 to 105.70): VV010086.D (-2660) (-)

Ion 120.00 (119.70 to 120.70): VV010086.D (-2660) (-)

Ion 77.00 (76.70 to 77.70): VV010086.D (-2660) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 21.789 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV010086.D

Acq: 03 Apr 2019 04:04

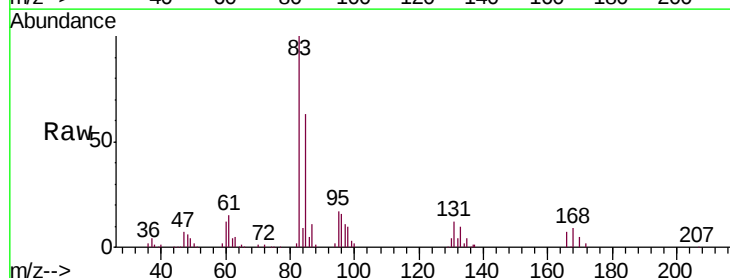
Tgt Ion: 83 Resp: 90378

Ion Ratio Lower Upper

83 100

85 62.6 46.1 85.7

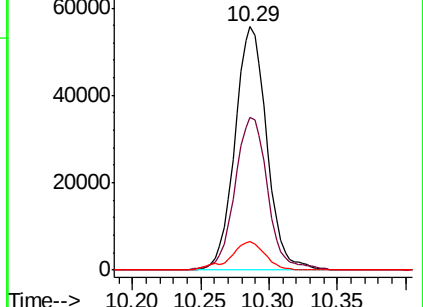
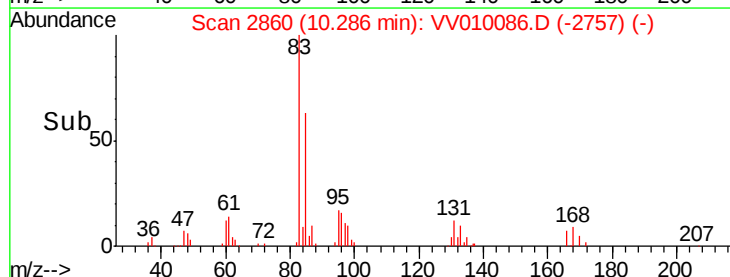
131 11.7 9.0 13.4

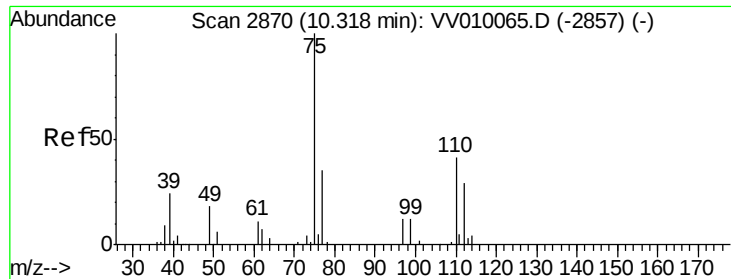


Abundance Ion 83.00 (82.70 to 83.70): VV010086.D (-2757) (-)

Ion 85.00 (84.70 to 85.70): VV010086.D (-2757) (-)

Ion 131.00 (130.70 to 131.70): VV010086.D (-2757) (-)





#59

1,2,3-Trichloropropane

Concen: 22.164 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV010086.D

Acq: 03 Apr 2019 04:04

Instrument :

MSVOA_V

ClientSampleId :

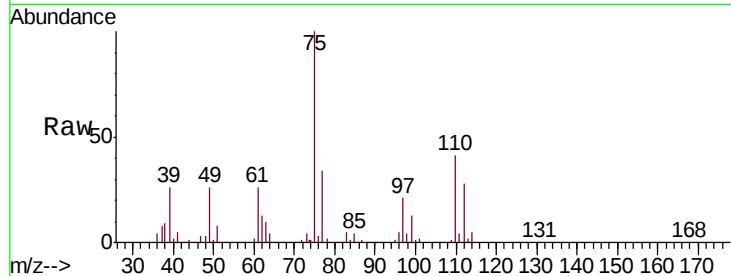
VSTD02577

Tgt Ion: 75 Resp: 65925

Ion Ratio Lower Upper

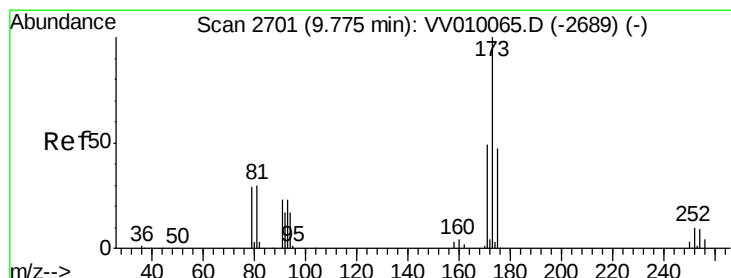
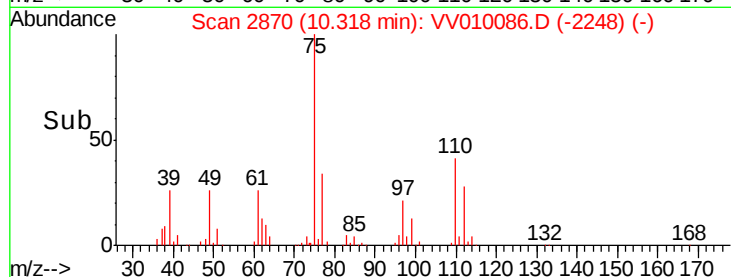
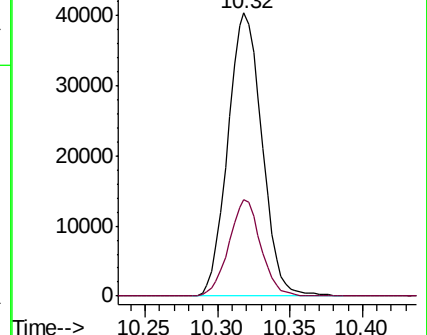
75 100

77 31.7 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV010065.D (-2857) (-)

Ion 77.00 (76.70 to 77.70): VV010065.D (-2857) (-)



#62

Bromoform

Concen: 24.082 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV010086.D

Acq: 03 Apr 2019 04:04

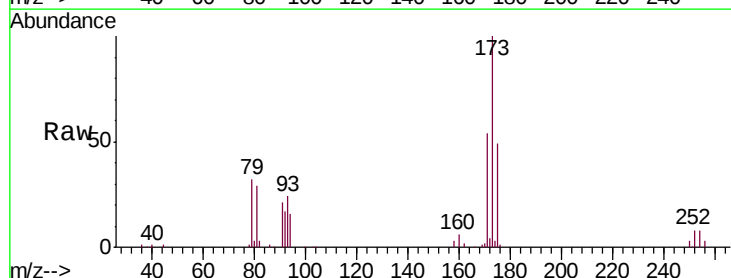
Tgt Ion: 173 Resp: 48641

Ion Ratio Lower Upper

173 100

175 45.7 38.7 58.1

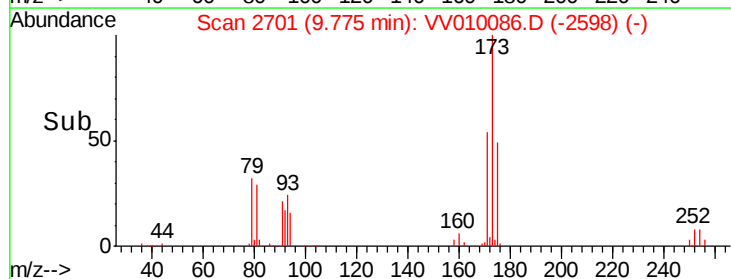
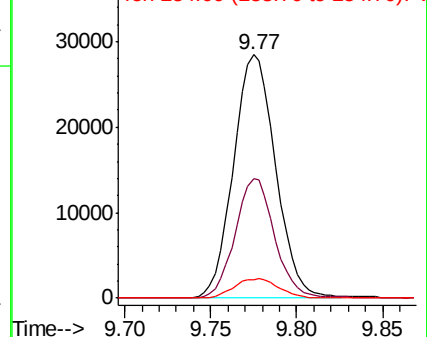
254 8.4 6.7 10.1

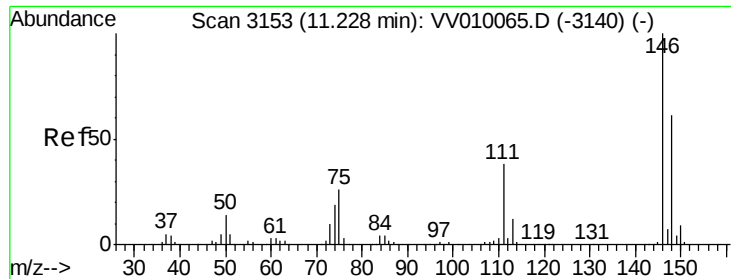


Abundance Ion 173.00 (172.70 to 173.70): VV010065.D (-2689) (-)

Ion 175.00 (174.70 to 175.70): VV010065.D (-2689) (-)

Ion 254.00 (253.70 to 254.70): VV010065.D (-2689) (-)





#63

1,3-Dichlorobenzene

Concen: 24.370 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV010086.D

Acq: 03 Apr 2019 04:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD02577

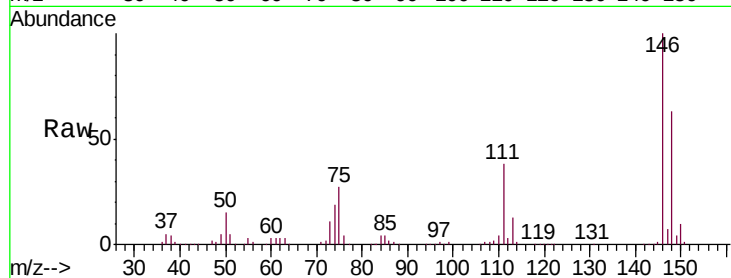
Tgt Ion:146 Resp: 205417

Ion Ratio Lower Upper

146 100

111 38.0 26.8 49.8

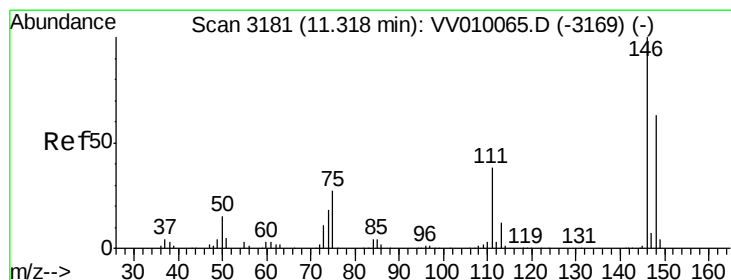
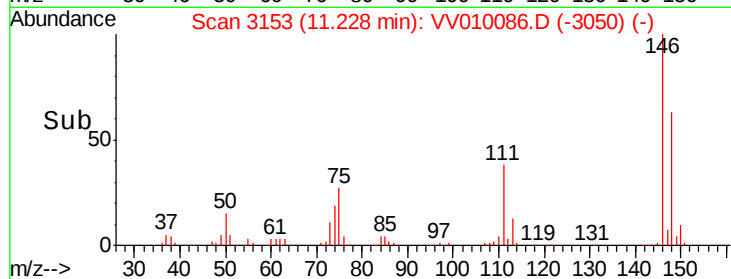
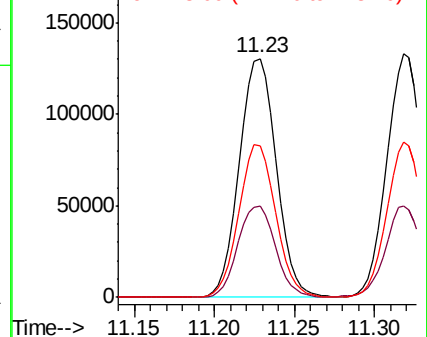
148 63.5 42.7 79.3



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



#64

1,4-Dichlorobenzene

Concen: 23.975 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV010086.D

Acq: 03 Apr 2019 04:04

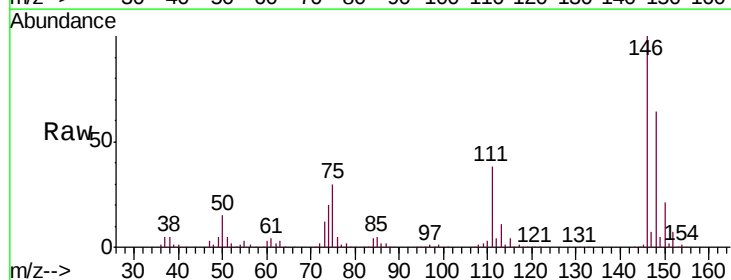
Tgt Ion:146 Resp: 210513

Ion Ratio Lower Upper

146 100

111 37.7 26.9 50.1

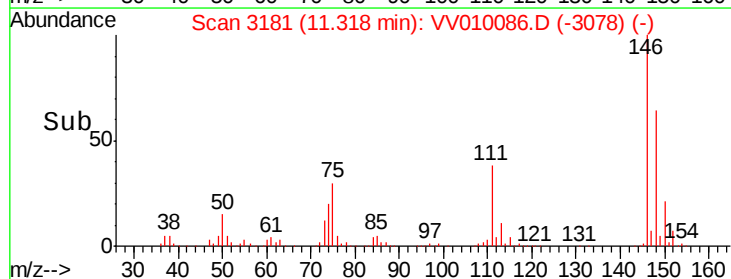
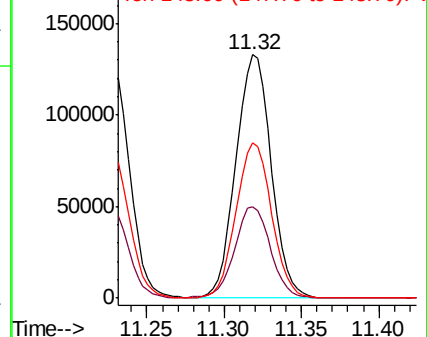
148 64.0 45.6 84.6

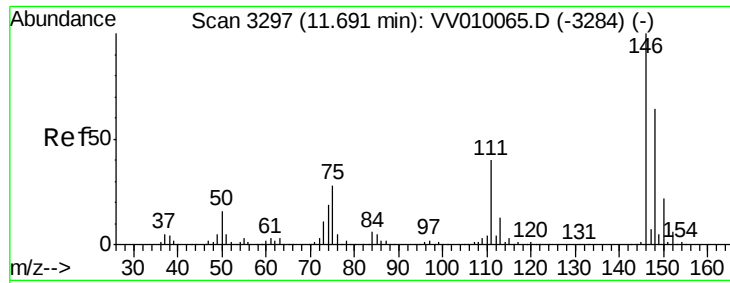


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 24.694 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV010086.D

Acq: 03 Apr 2019 04:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD02577

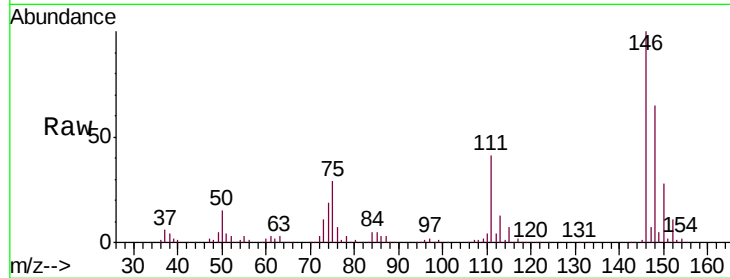
Tgt Ion: 146 Resp: 204481

Ion Ratio Lower Upper

146 100

111 40.9 33.2 49.8

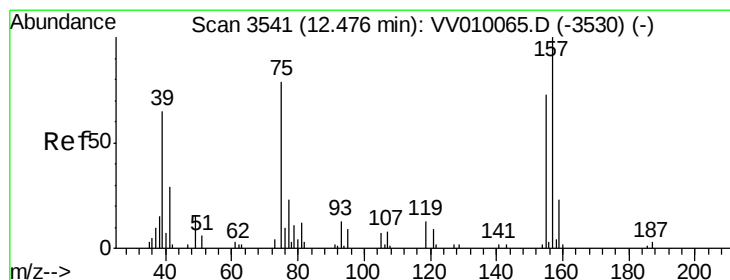
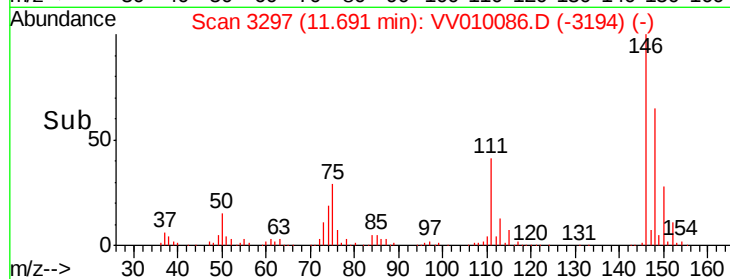
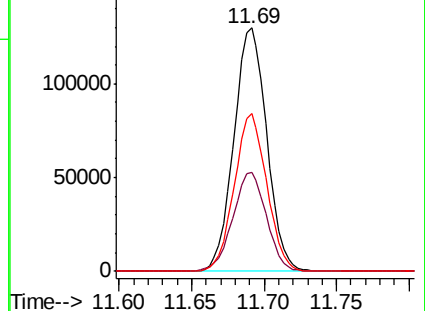
148 64.6 51.4 77.0



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: 21.361 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV010086.D

Acq: 03 Apr 2019 04:04

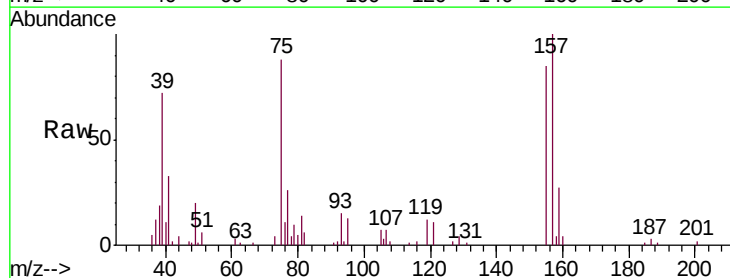
Tgt Ion: 75 Resp: 11993

Ion Ratio Lower Upper

75 100

157 113.8 83.0 124.6

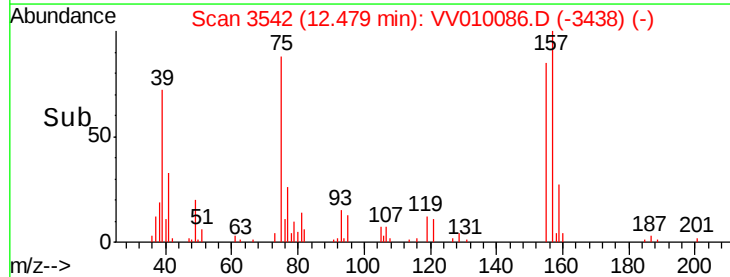
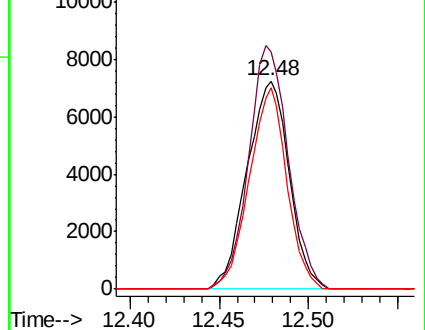
155 96.8 68.1 102.1

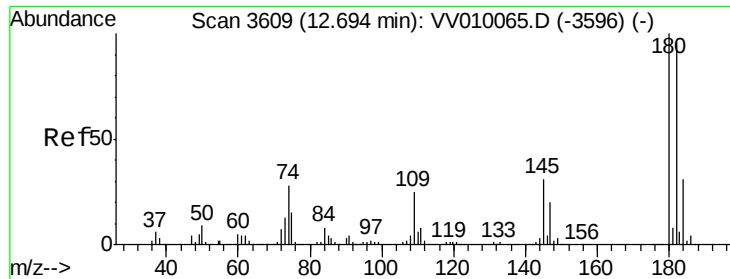


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

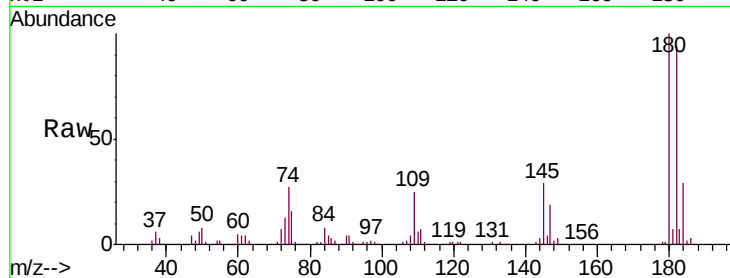




#67
 1,3,5-Trichlorobenzene
 Concen: 23.947 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV010086.D
 Acq: 03 Apr 2019 04:04

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02577

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	77.2	115.8
184	29.2	23.8	35.6
145	29.4	24.6	36.8



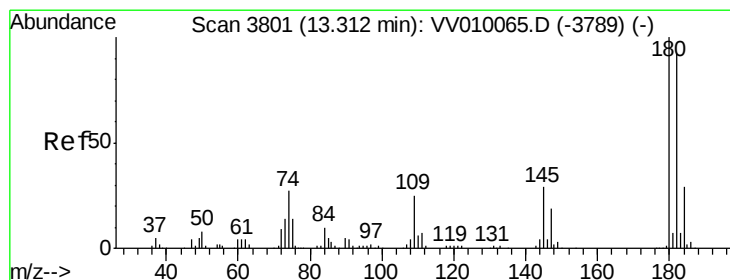
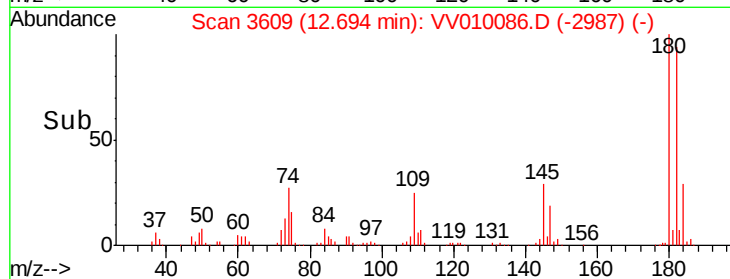
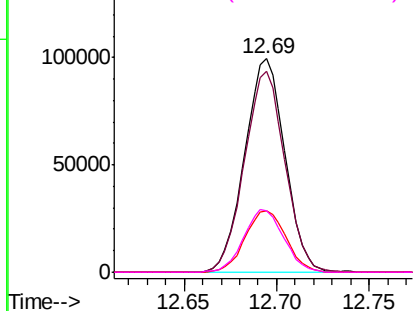
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

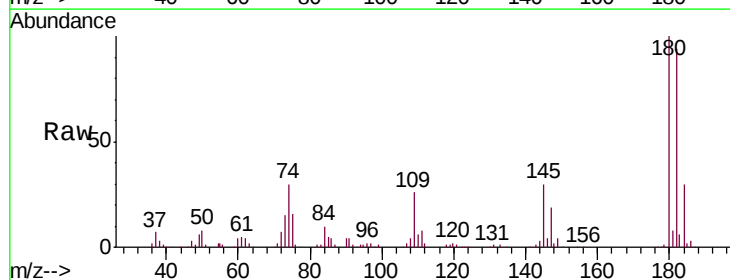
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.583 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV010086.D
 Acq: 03 Apr 2019 04:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.7	113.5
145	30.5	24.6	37.0

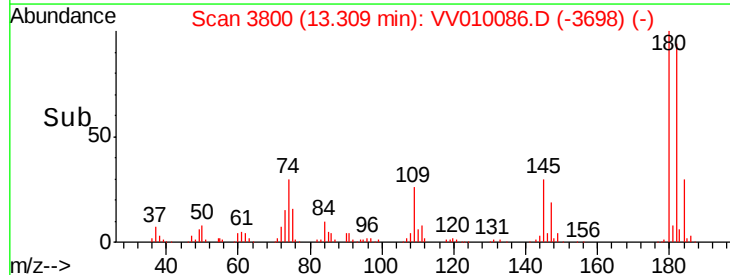
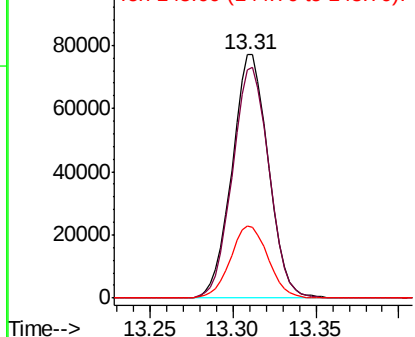


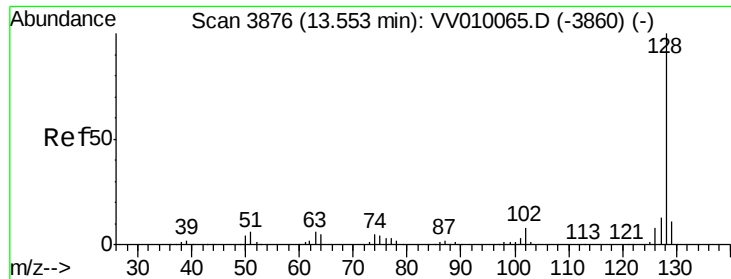
Abundance

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: 23.380 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV010086.D

Acq: 03 Apr 2019 04:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD02577

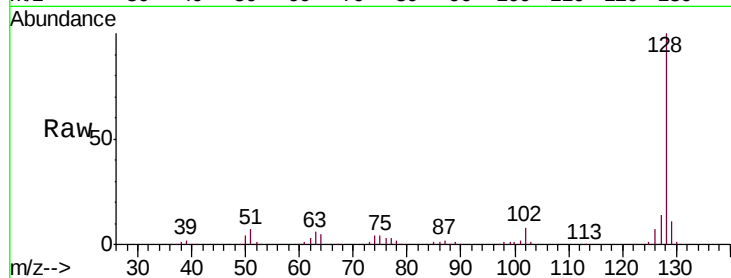
Tgt Ion:128 Resp: 186450

Ion Ratio Lower Upper

128 100

129 10.7 9.0 13.4

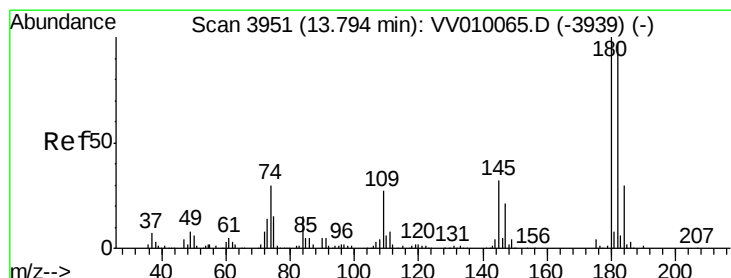
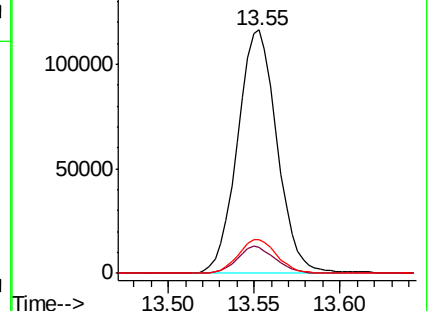
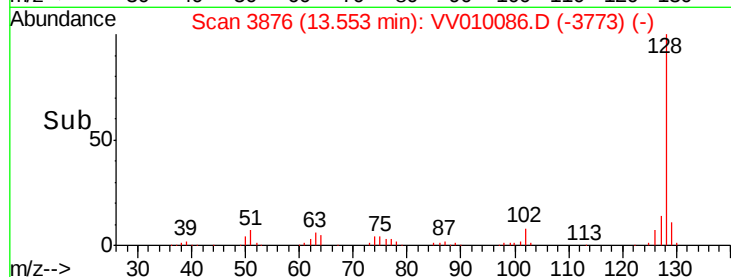
127 13.7 11.0 16.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.802 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV010086.D

Acq: 03 Apr 2019 04:04

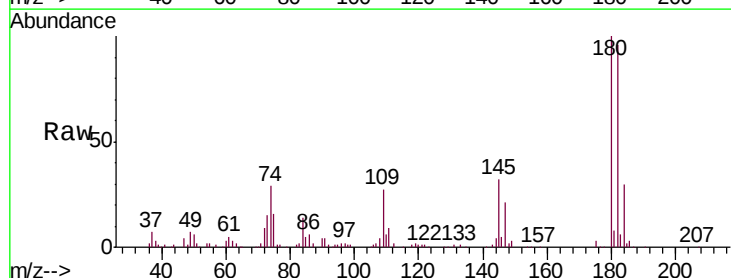
Tgt Ion:180 Resp: 115468

Ion Ratio Lower Upper

180 100

182 95.0 74.1 111.1

145 33.0 25.8 38.8



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

