

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV010819\
 Data File : VV009205.D
 Acq On : 08 Jan 2019 20:34
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00 G/10ML/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02563

Quant Time: Jan 09 00:44:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM010819S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 09 00:40:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	252173	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	239668	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	125700	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	58360	25.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.08%
7) Chloroethane-d5	1.58	69	41731	20.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.32%
10) 1,1-Dichloroethene-d2	2.13	63	149908	23.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.04%
20) 2-Butanone-d5	3.96	46	51821	51.79	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.58%
24) Chloroform-d	4.40	84	154468	26.32	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.28%
26) 1,2-Dichloroethane-d4	5.08	65	87948	27.55	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	110.20%
29) Benzene-d6	5.10	84	305940	25.46	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.84%
33) 1,2-Dichloropropane-d6	6.12	67	90101	26.19	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.76%
37) Toluene-d8	7.36	98	286263	25.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.68%
38) trans-1,3-Dichloropropene-	7.67	79	44947	26.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.32%
39) 2-Hexanone-d5	8.14	63	32191	51.22	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.44%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	91773	27.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.68%
61) 1,2-Dichlorobenzene-d4	11.67	152	118836	25.15	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	93805	22.962	ug/L 99
3) Chloromethane	1.25	50	67524	25.131	ug/L 97
5) Vinyl chloride	1.32	62	69006	24.891	ug/L 96
6) Bromomethane	1.54	94	46823	23.068	ug/L 96
8) Chloroethane	1.60	64	35898	20.206	ug/L 98
9) Trichlorofluoromethane	1.77	101	116325	22.402	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	76116	22.902	ug/L 96
12) 1,1-Dichloroethene	2.14	96	69482	23.934	ug/L 88
13) Acetone	2.22	43	56579	37.891	ug/L 90
14) Carbon disulfide	2.32	76	232732	23.786	ug/L 100
15) Methyl Acetate	2.47	43	44878	24.832	ug/L 92
16) Methylene chloride	2.54	84	86904	23.841	ug/L 89
17) Methyl tert-butyl Ether	2.81	73	210456	27.441	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	81493	24.686	ug/L 100
19) 1,1-Dichloroethane	3.23	63	136535	25.696	ug/L 98
21) 2-Butanone	4.05	43	66824	45.935	ug/L 99
22) cis-1,2-Dichloroethene	3.96	96	91641	26.329	ug/L 99

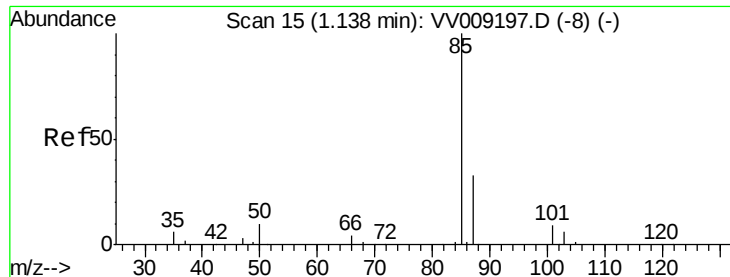
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV010819\
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 Quant Title : VOC Analysis
 QLast Update : Wed Jan 09 00:40:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	45413	27.415	ug/L	97
25) Chloroform	4.43	83	148515	26.076	ug/L	100
27) 1,2-Dichloroethane	5.18	62	106394	27.504	ug/L	99
30) Cyclohexane	4.73	56	119723	23.120	ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	127827	23.327	ug/L	99
32) Carbon tetrachloride	4.88	117	115460	23.004	ug/L	98
34) Benzene	5.15	78	313154	24.817	ug/L	100
35) Trichloroethene	5.96	95	87160	24.199	ug/L	100
36) Methylcyclohexane	6.18	83	140476	23.100	ug/L	98
40) 1,2-Dichloropropane	6.22	63	78912	25.678	ug/L	99
41) Bromodichloromethane	6.56	83	108546	25.684	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	129100	26.738	ug/L	99
43) 4-Methyl-2-pentanone	7.28	43	127142	52.630	ug/L	99
44) Toluene	7.43	91	341016	25.166	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	114517	26.938	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	70852	26.447	ug/L	98
47) Tetrachloroethene	8.02	164	73374	23.620	ug/L	97
49) 2-Hexanone	8.19	43	93768	49.017	ug/L	96
50) Dibromochloromethane	8.29	129	86228	26.391	ug/L	98
51) 1,2-Dibromoethane	8.40	107	72138	26.379	ug/L	100
52) Chlorobenzene	8.93	112	233456	25.059	ug/L	99
53) Ethylbenzene	9.06	91	382290	24.970	ug/L	99
54) m,p-Xylene	9.18	106	144625	24.452	ug/L	96
55) o-xylene	9.59	106	144736	25.725	ug/L	100
56) Styrene	9.60	104	248469	26.548	ug/L	98
57) Isopropylbenzene	9.98	105	377846	24.722	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	88922	26.584	ug/L	95
59) 1,2,3-Trichloropropane	10.32	75	67923	25.757	ug/L	100
62) Bromoform	9.78	173	53824	25.287	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	189864	24.152	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	194635	24.297	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	184848	24.906	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	16293	24.483	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	149720	23.923	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	125354	24.727	ug/L	99
69) Naphthalene	13.55	128	245405	25.144	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	116747	25.224	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 22.962 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV009205.D

Acq: 08 Jan 2019 20:34

Instrument :

MSVOA_V

ClientSampleId :

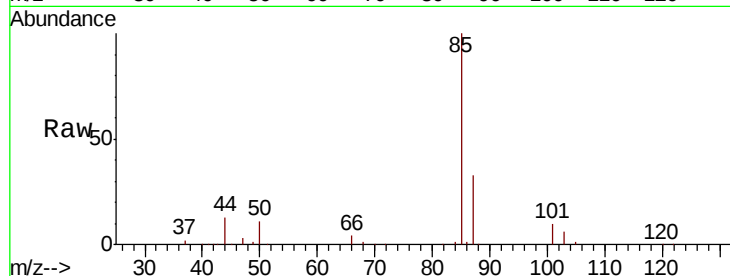
VSTD02563

Tgt Ion: 85 Resp: 93805

Ion Ratio Lower Upper

85 100

87 33.3 23.0 42.6



Abundance Ion 85.00 (84.70 to 85.70): VV009197.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV009197.D (-8) (-)

1.14

100000

80000

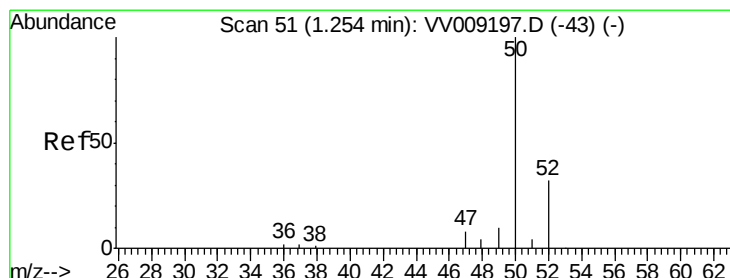
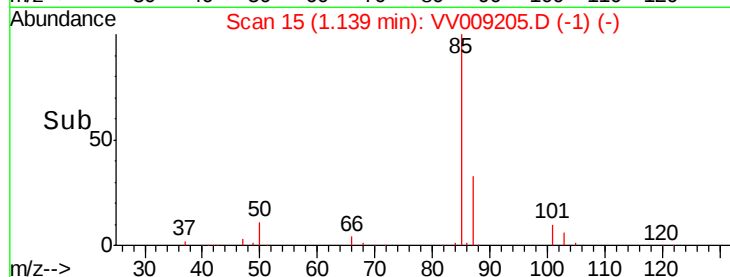
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 25.131 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV009205.D

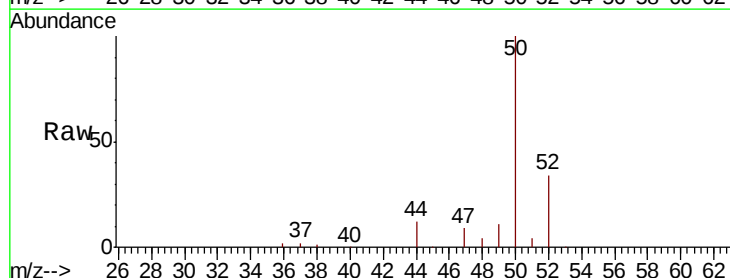
Acq: 08 Jan 2019 20:34

Tgt Ion: 50 Resp: 67524

Ion Ratio Lower Upper

50 100

52 34.3 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV009197.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV009197.D (-43) (-)

1.25

60000

50000

40000

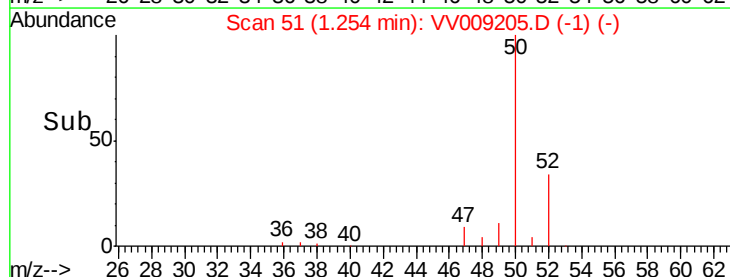
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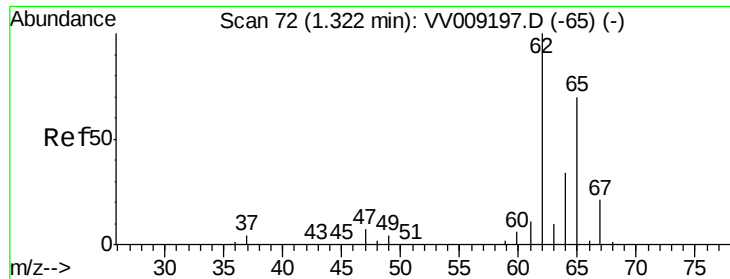
20000

10000

0

Time-->





#5

Vinyl chloride

Concen: 24.891 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV009205.D

Acq: 08 Jan 2019 20:34

Instrument :

MSVOA_V

ClientSampleId :

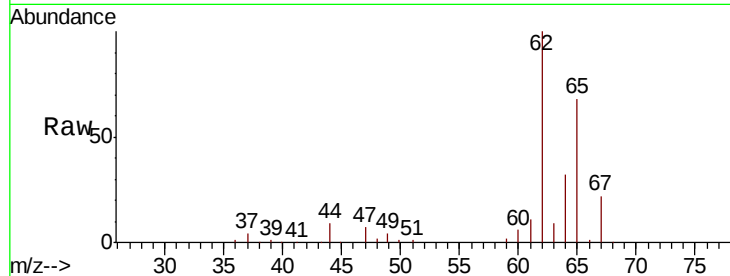
VSTD02563

Tgt Ion: 62 Resp: 69006

Ion Ratio Lower Upper

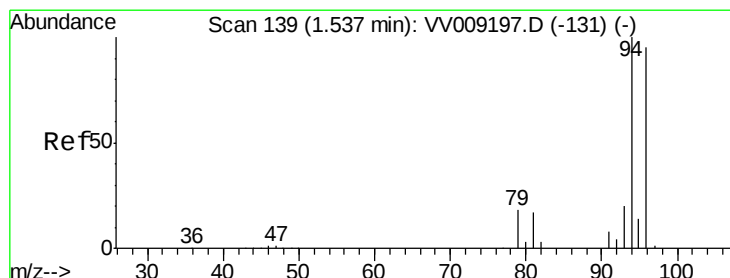
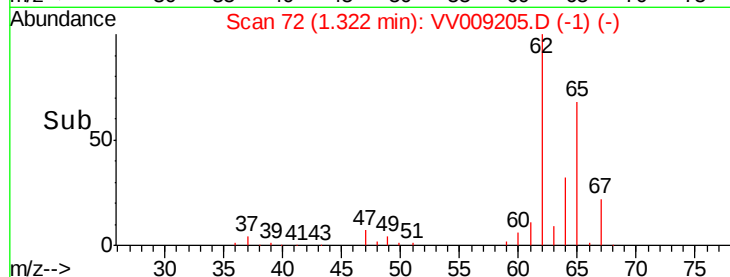
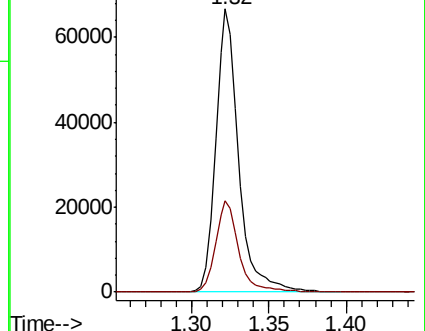
62 100

64 32.3 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 23.068 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV009205.D

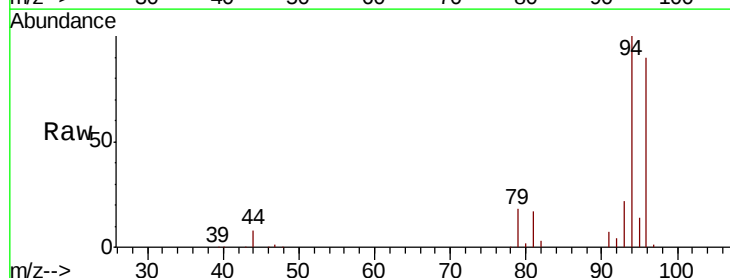
Acq: 08 Jan 2019 20:34

Tgt Ion: 94 Resp: 46823

Ion Ratio Lower Upper

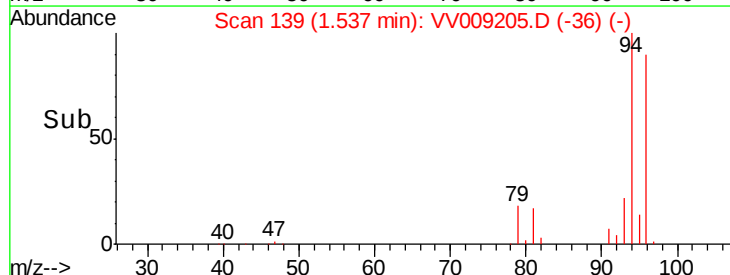
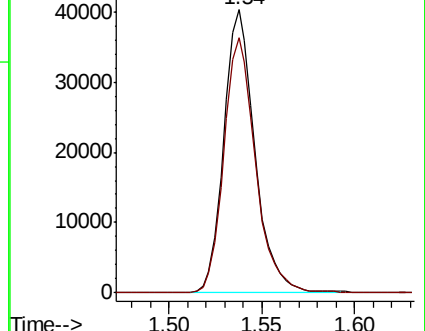
94 100

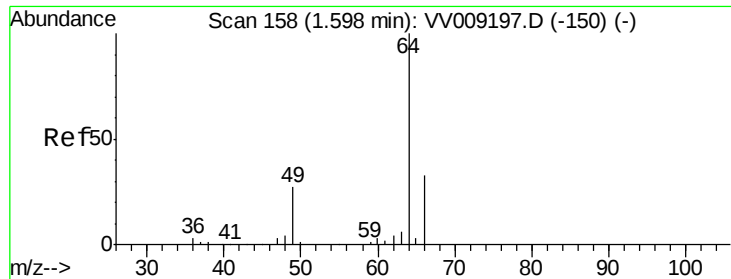
96 92.2 9.6 183.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

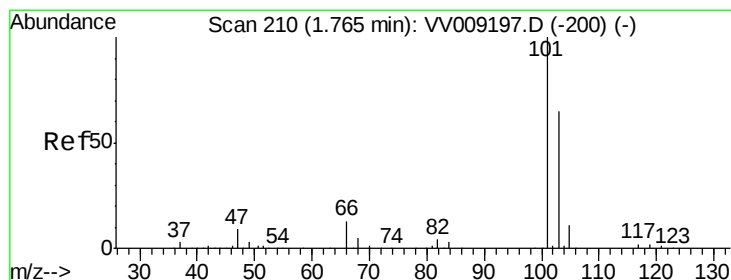
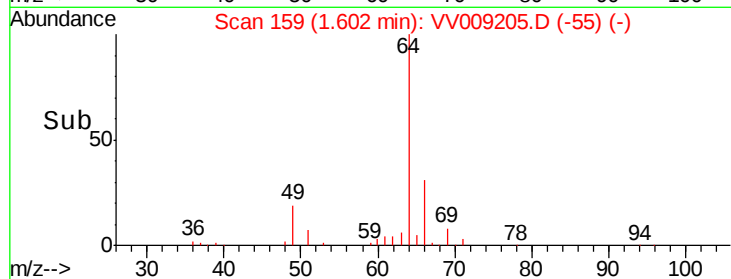
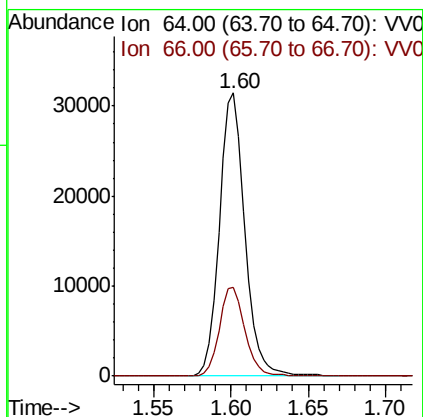
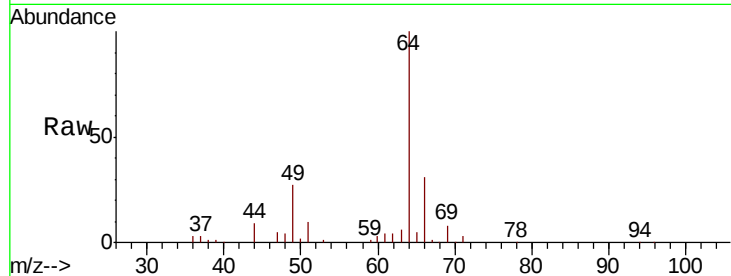




#8
Chloroethane
Concen: 20.206 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV009205.D
Acq: 08 Jan 2019 20:34

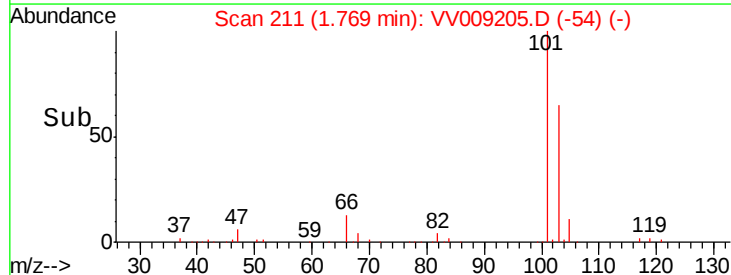
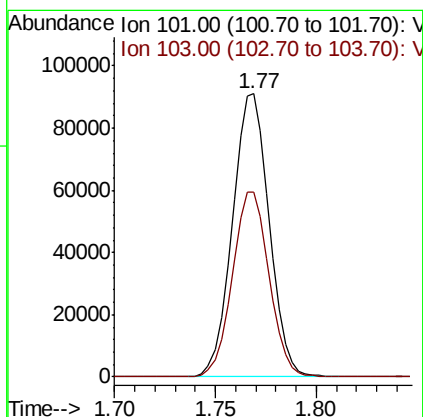
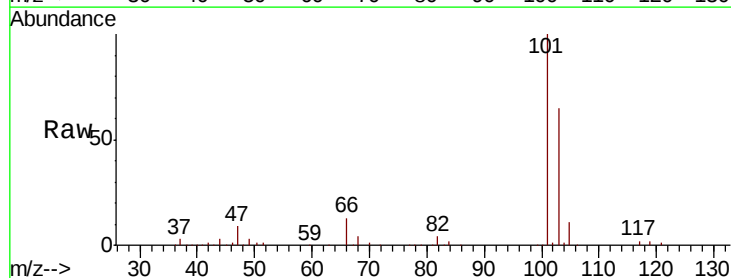
Instrument :
MSVOA_V
ClientSampleId :
VSTD02563

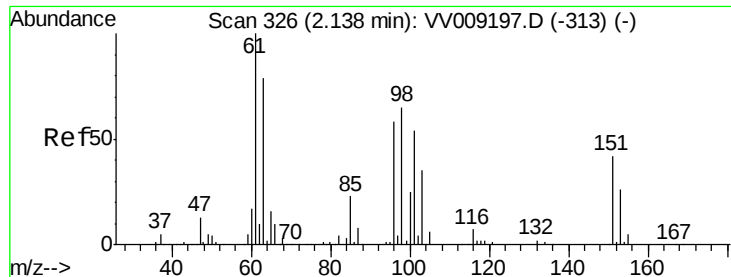
Tgt Ion: 64 Resp: 35898
Ion Ratio Lower Upper
64 100
66 31.3 22.7 42.3



#9
Trichlorofluoromethane
Concen: 22.402 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV009205.D
Acq: 08 Jan 2019 20:34

Tgt Ion: 101 Resp: 116325
Ion Ratio Lower Upper
101 100
103 65.2 45.9 85.3





#11

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

Concen: 22.902 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV009205.D

Acq: 08 Jan 2019 20:34

Instrument :

MSVOA_V

ClientSampled :

VSTD02563

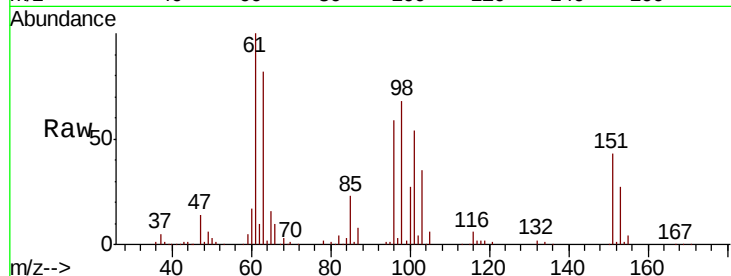
Tgt Ion: 101 Resp: 76116

Ion Ratio Lower Upper

101 100

85 42.0 35.2 52.8

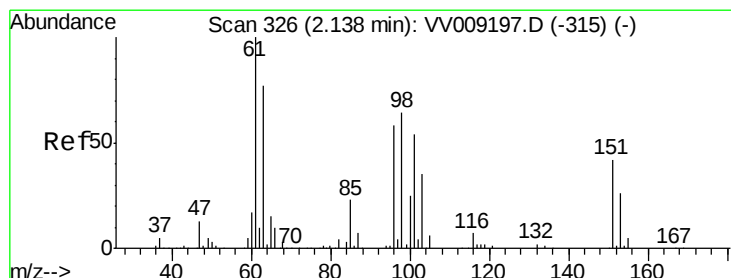
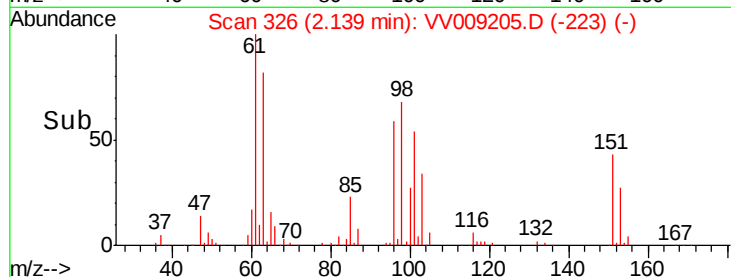
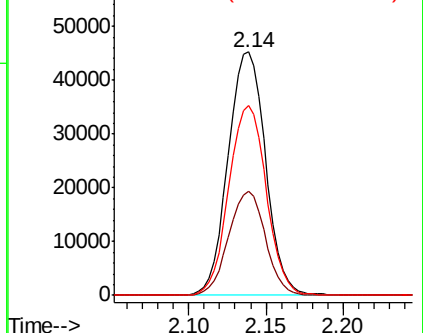
151 78.1 59.4 89.2



Abundance Ion 101.00 (100.70 to 101.70): VV009197.D (-313) (-)

Ion 85.00 (84.70 to 85.70): VV009197.D (-313) (-)

Ion 151.00 (150.70 to 151.70): VV009197.D (-313) (-)



#12

1,1-Dichloroethene

Concen: 23.934 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV009205.D

Acq: 08 Jan 2019 20:34

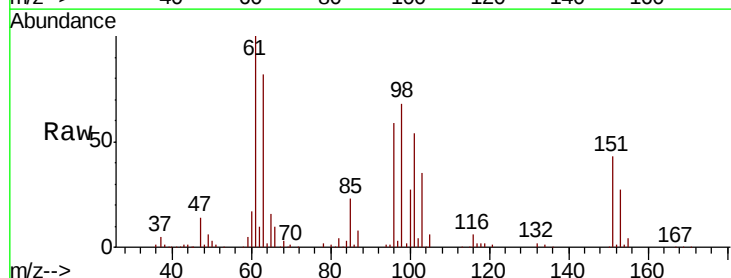
Tgt Ion: 96 Resp: 69482

Ion Ratio Lower Upper

96 100

61 168.6 130.3 241.9

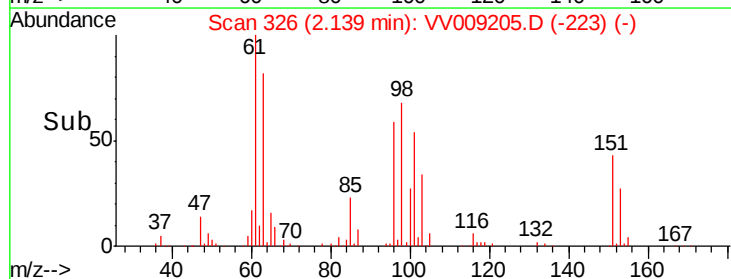
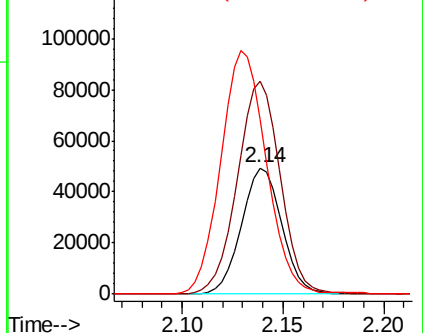
63 138.4 107.8 200.2

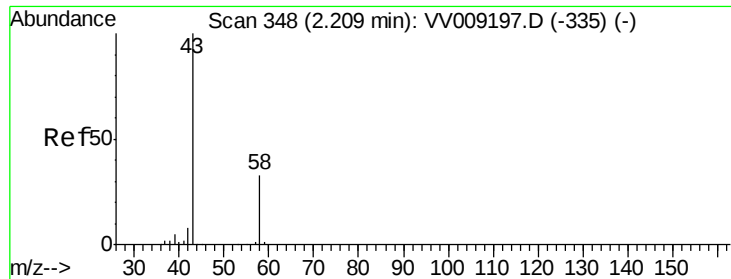


Abundance Ion 96.00 (95.70 to 96.70): VV009197.D (-315) (-)

Ion 61.00 (60.70 to 61.70): VV009197.D (-315) (-)

Ion 63.00 (62.70 to 63.70): VV009197.D (-315) (-)





#13

Acetone

Concen: 37.891 ug/L

RT: 2.22 min Scan# 351

Delta R.T. 0.01 min

Lab File: VV009205.D

Acq: 08 Jan 2019 20:34

Instrument :

MSVOA_V

ClientSampleId :

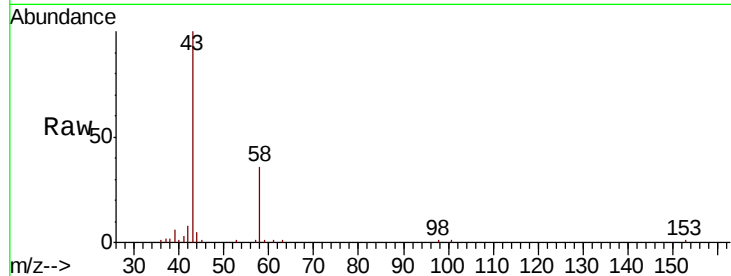
VSTD02563

Tgt Ion: 43 Resp: 56579

Ion Ratio Lower Upper

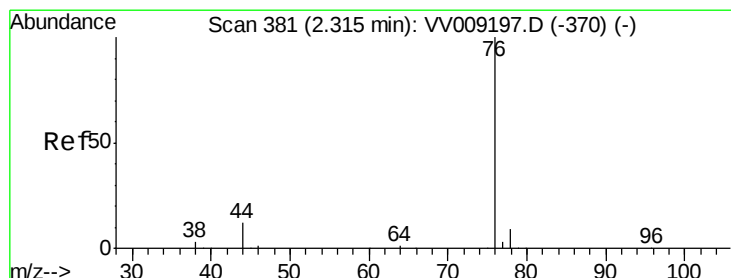
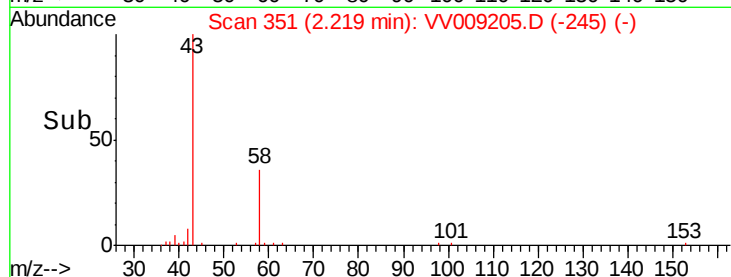
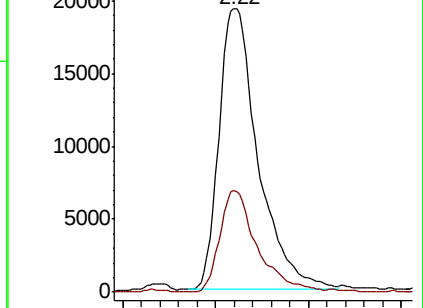
43 100

58 34.5 0.0 57.8



Abundance Ion 43.00 (42.70 to 43.70): VV009197.D (-335) (-)

Ion 58.00 (57.70 to 58.70): VV009197.D (-335) (-)



#14

Carbon disulfide

Concen: 23.786 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV009205.D

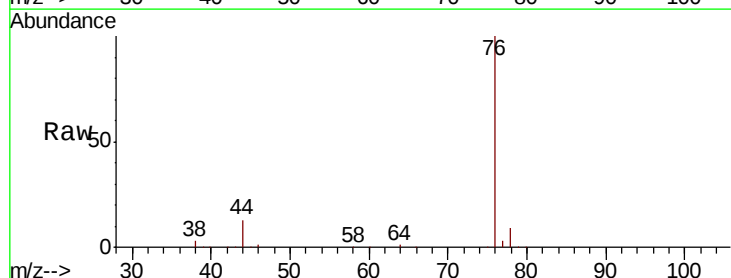
Acq: 08 Jan 2019 20:34

Tgt Ion: 76 Resp: 232732

Ion Ratio Lower Upper

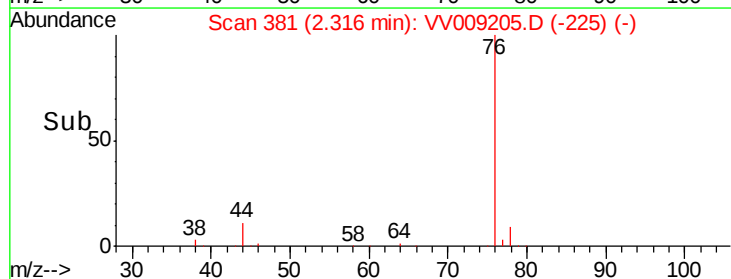
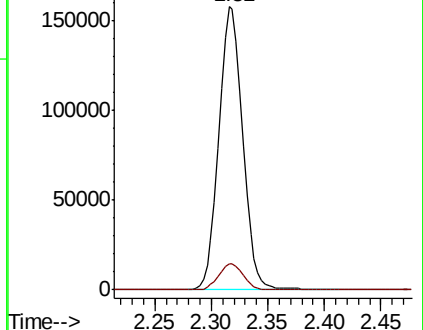
76 100

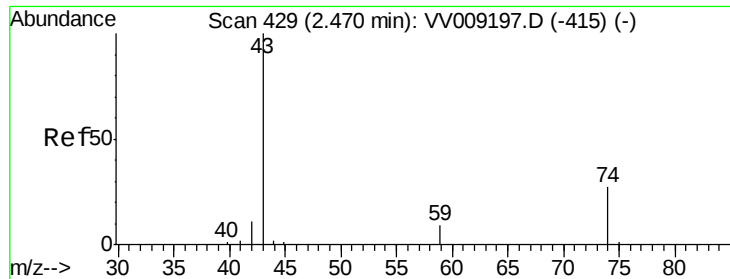
78 9.4 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VV009197.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV009197.D (-370) (-)

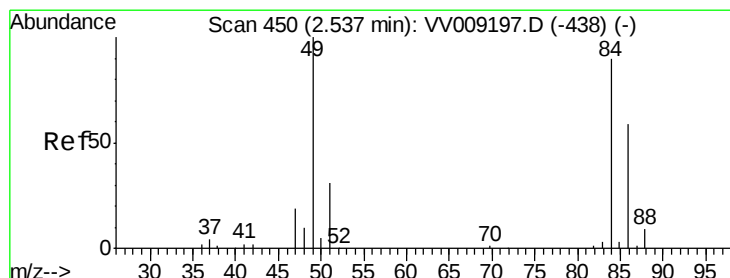
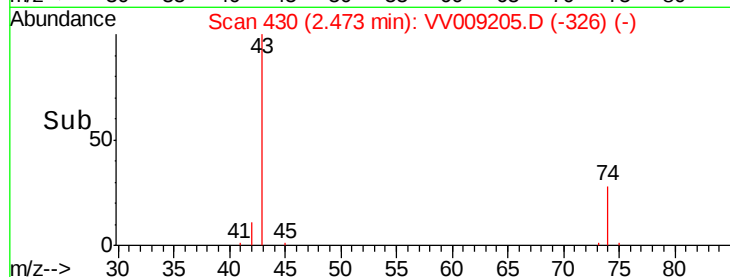
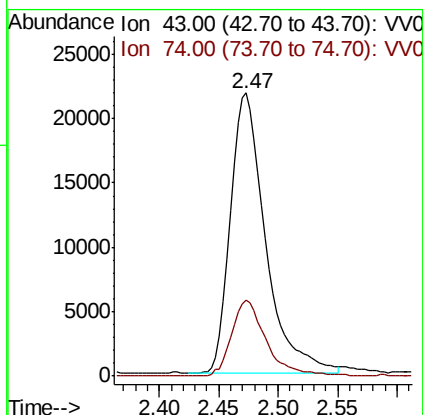
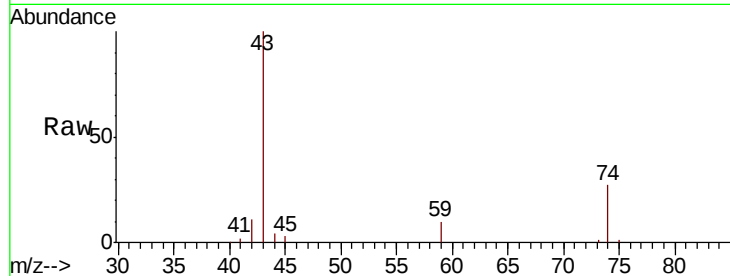




#15
Methyl Acetate
Concen: 24.832 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.00 min
Lab File: VV009205.D
Acq: 08 Jan 2019 20:34

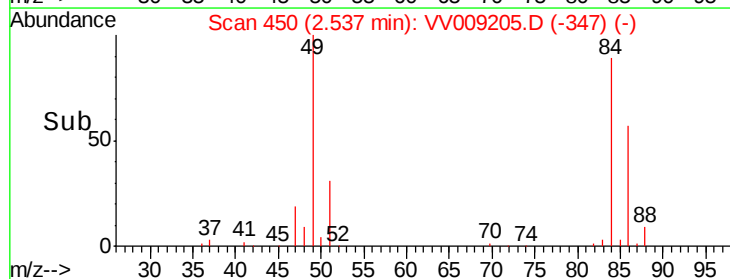
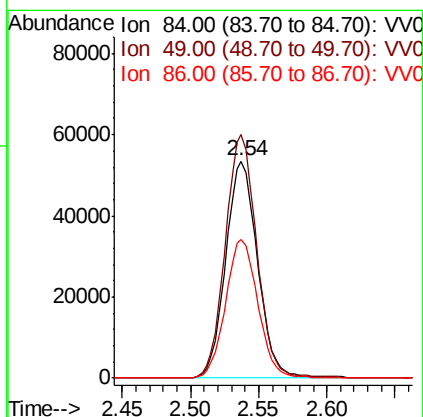
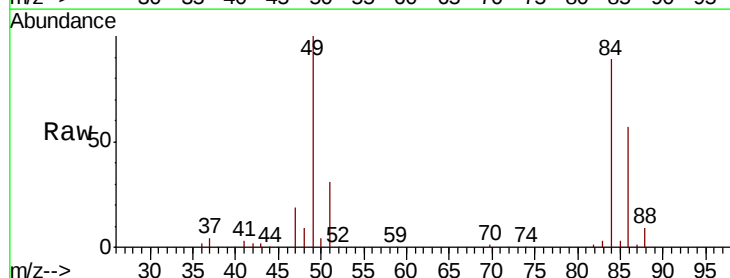
Instrument :
MSVOA_V
ClientSampleId :
VSTD02563

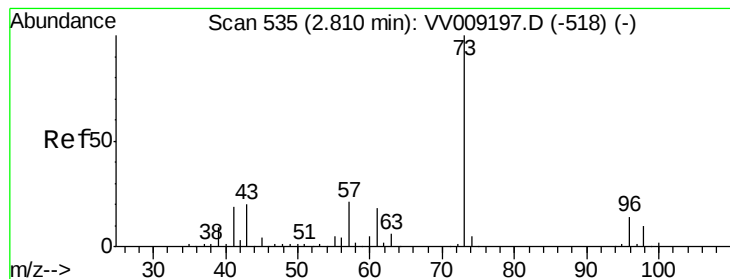
Tgt Ion: 43 Resp: 44878
Ion Ratio Lower Upper
43 100
74 26.3 17.8 26.8



#16
Methylene chloride
Concen: 23.841 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV009205.D
Acq: 08 Jan 2019 20:34

Tgt Ion: 84 Resp: 86904
Ion Ratio Lower Upper
84 100
49 112.2 92.0 170.9
86 63.8 44.9 83.3



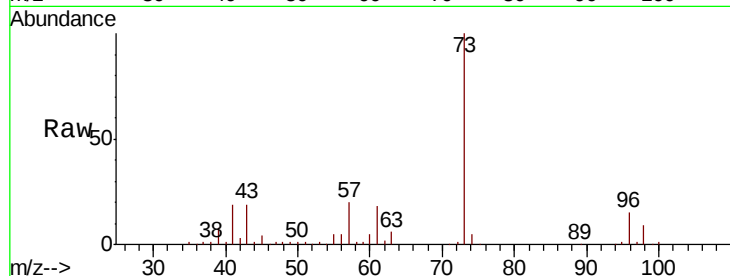


#17

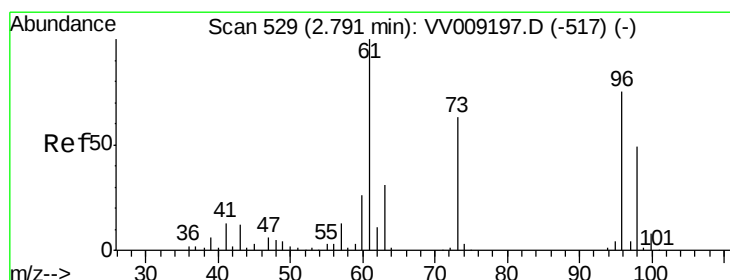
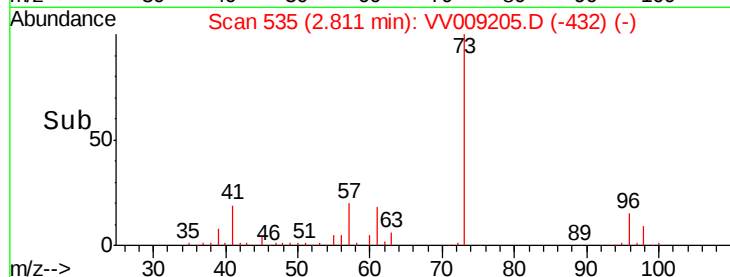
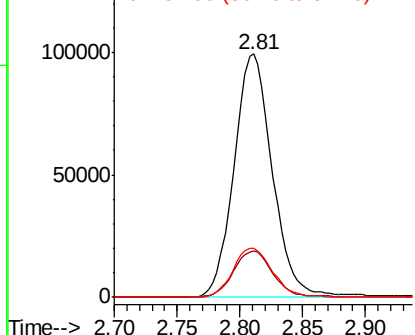
Methyl tert-butyl Ether
Concen: 27.441 ug/L
RT: 2.81 min Scan# 535
Delta R.T. 0.00 min
Lab File: VV009205.D
Acq: 08 Jan 2019 20:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD02563

Tgt Ion: 73 Resp: 210456
Ion Ratio Lower Upper
73 100
43 19.7 15.4 23.0
57 20.9 16.4 24.6



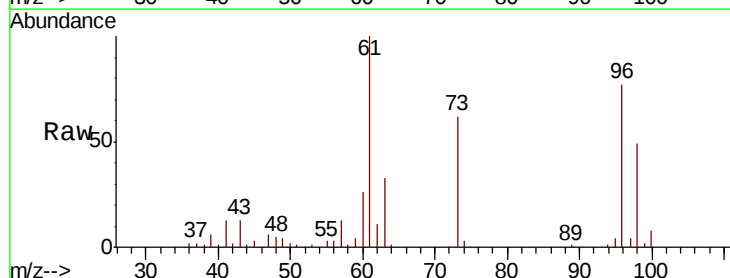
Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0



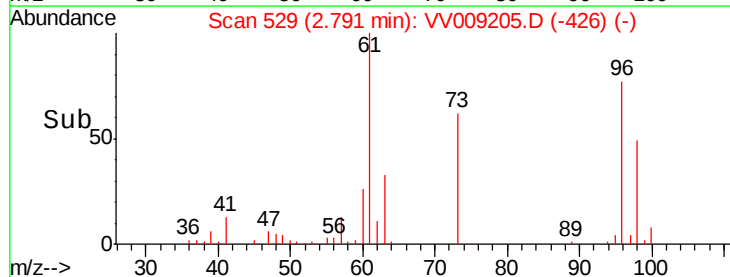
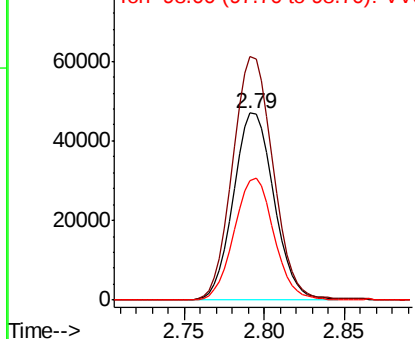
#18

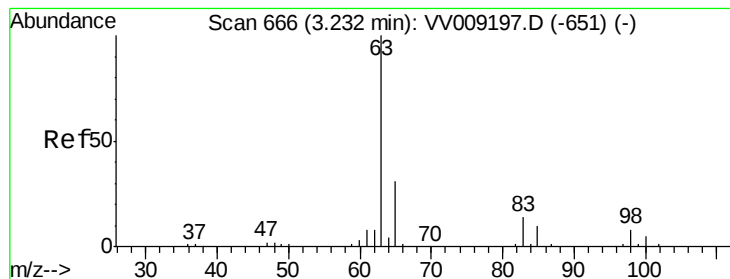
trans-1,2-Dichloroethene
Concen: 24.686 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV009205.D
Acq: 08 Jan 2019 20:34

Tgt Ion: 96 Resp: 81493
Ion Ratio Lower Upper
96 100
61 130.1 91.3 169.5
98 64.0 44.6 82.8



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





#19

1,1-Dichloroethane

Concen: 25.696 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV009205.D

Acq: 08 Jan 2019 20:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD02563

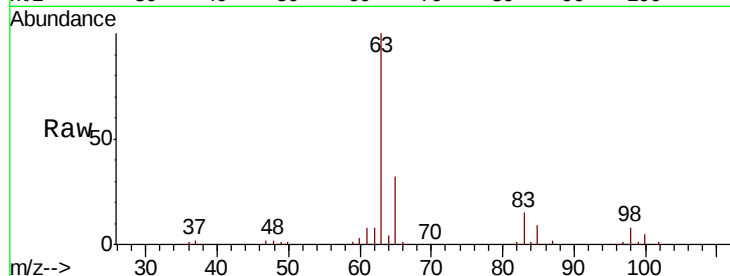
Tgt Ion: 63 Resp: 136535

Ion Ratio Lower Upper

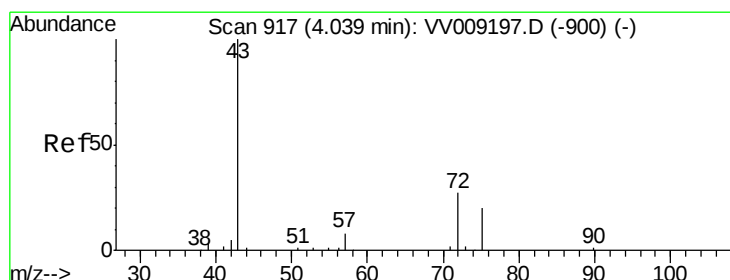
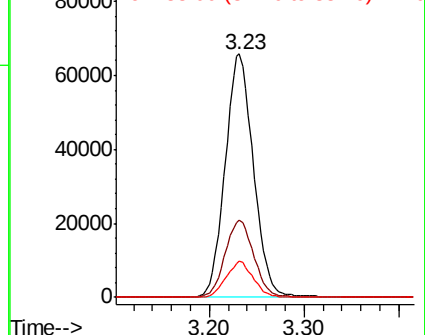
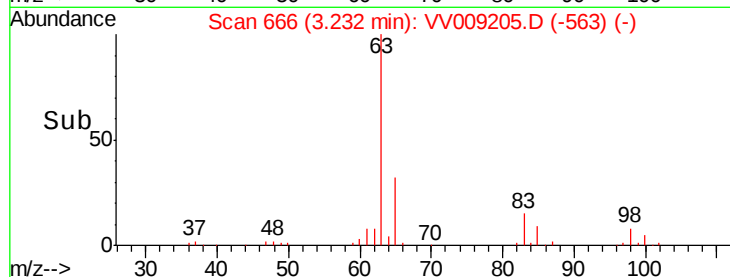
63 100

65 31.5 23.0 42.6

83 15.0 10.1 18.9



Abundance Ion 63.00 (62.70 to 63.70): VV009205.D (-651) (-)



#21

2-Butanone

Concen: 45.935 ug/L

RT: 4.05 min Scan# 919

Delta R.T. 0.01 min

Lab File: VV009205.D

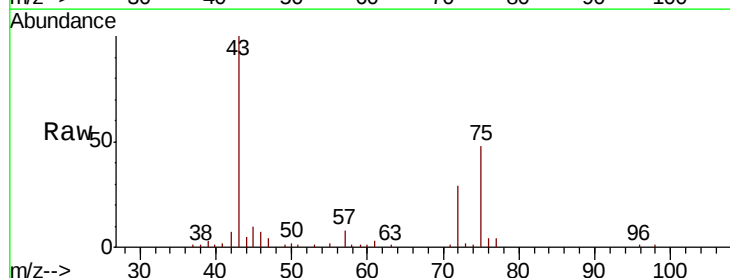
Acq: 08 Jan 2019 20:34

Tgt Ion: 43 Resp: 66824

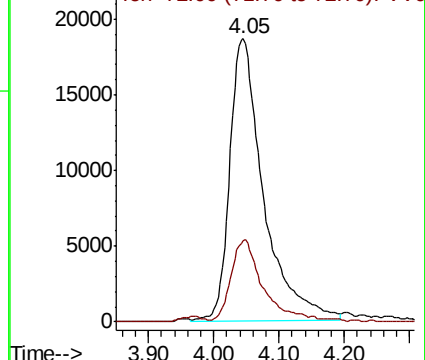
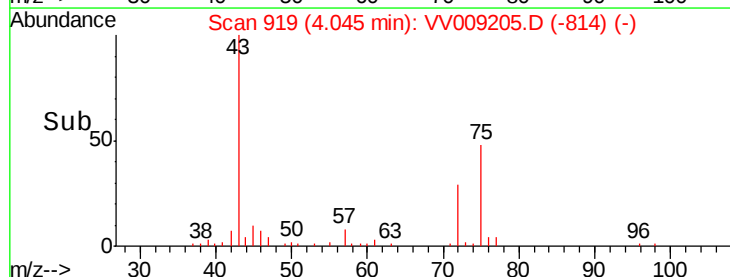
Ion Ratio Lower Upper

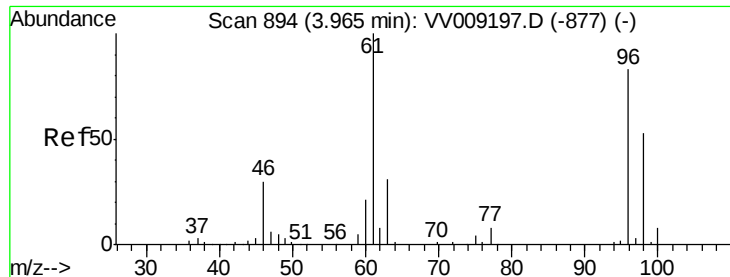
43 100

72 25.2 12.9 38.6



Abundance Ion 43.00 (42.70 to 43.70): VV009205.D (-814) (-)



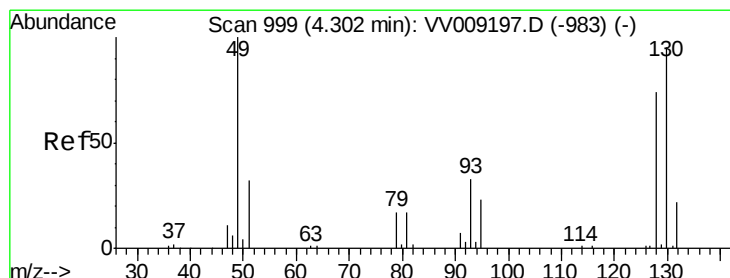
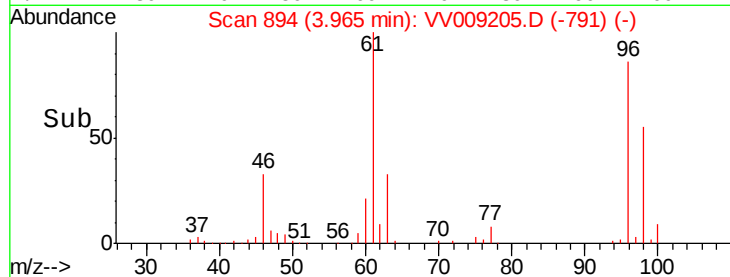
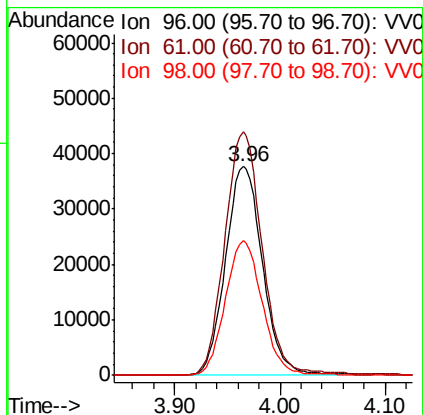
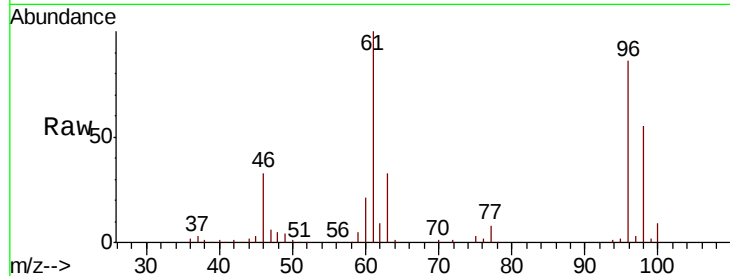


#22

cis-1,2-Dichloroethene
Concen: 26.329 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.00 min
Lab File: VV009205.D
Acq: 08 Jan 2019 20:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD02563

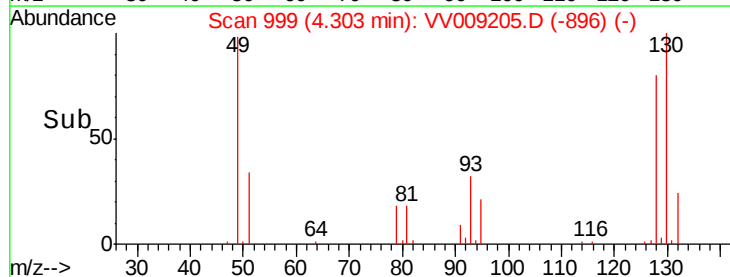
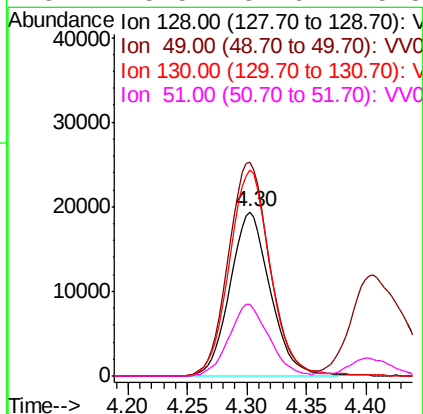
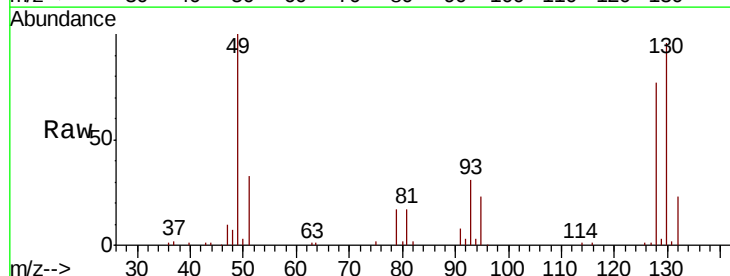
Tgt Ion: 96 Resp: 91641
Ion Ratio Lower Upper
96 100
61 116.6 82.2 152.6
98 64.3 45.1 83.9

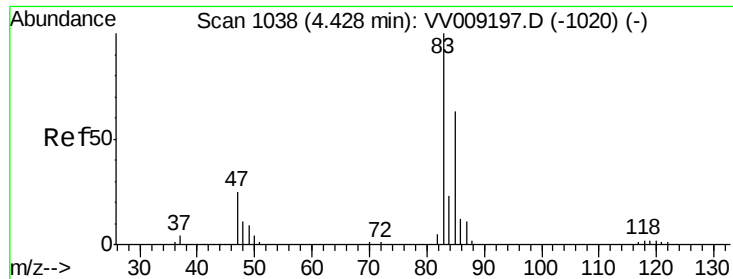


#23

Bromochloromethane
Concen: 27.415 ug/L
RT: 4.30 min Scan# 999
Delta R.T. 0.00 min
Lab File: VV009205.D
Acq: 08 Jan 2019 20:34

Tgt Ion: 128 Resp: 45413
Ion Ratio Lower Upper
128 100
49 130.1 89.2 165.6
130 125.2 85.9 159.5
51 43.5 32.6 48.8

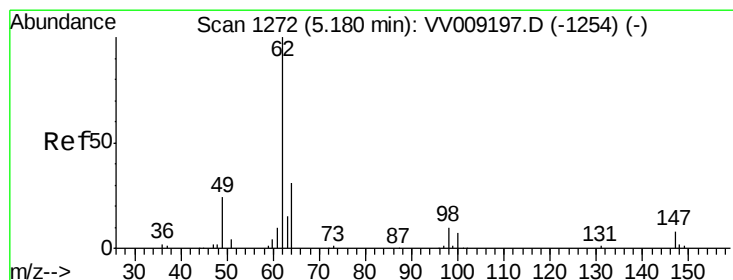
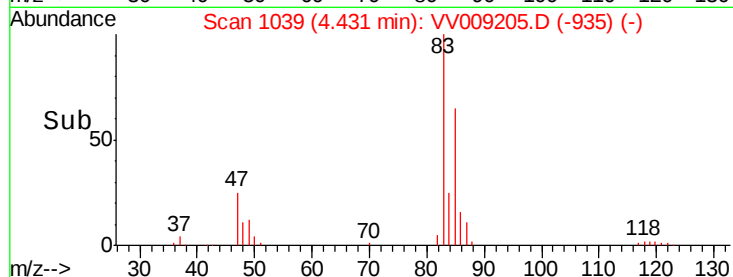
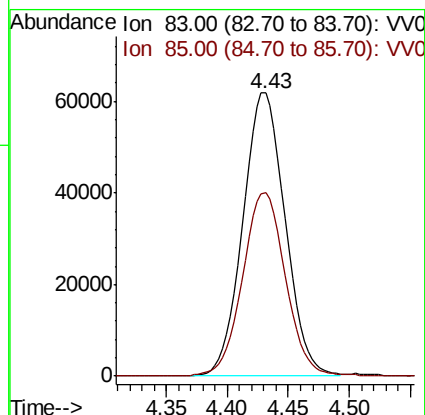
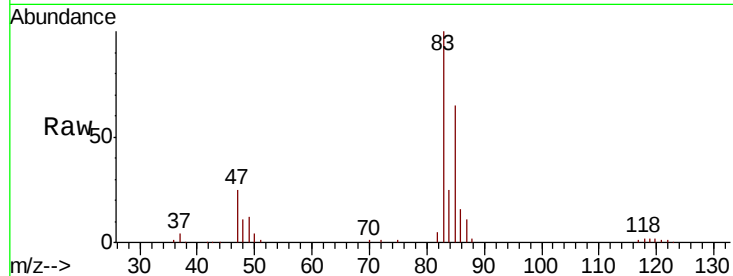




#25
Chloroform
Concen: 26.076 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV009205.D
Acq: 08 Jan 2019 20:34

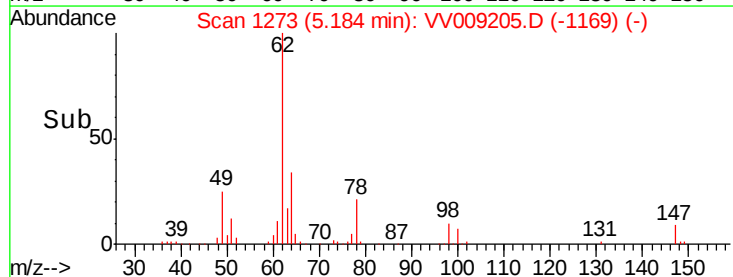
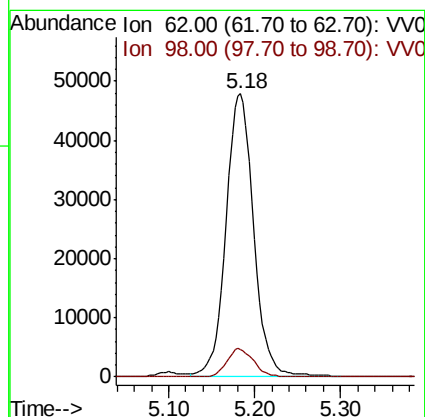
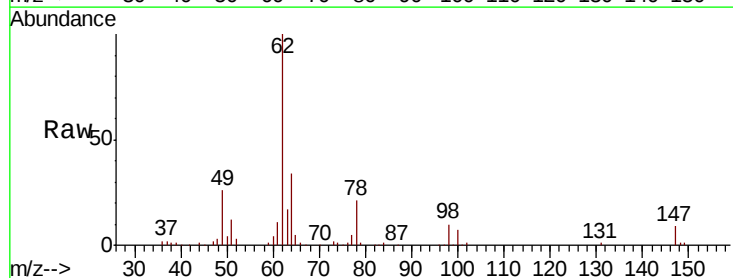
Instrument :
MSVOA_V
ClientSampleId :
VSTD02563

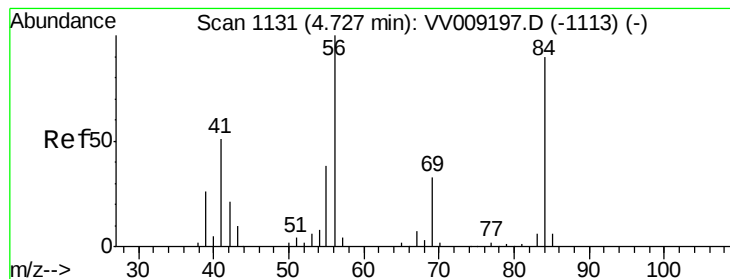
Tgt Ion: 83 Resp: 148515
Ion Ratio Lower Upper
83 100
85 65.8 46.2 85.8



#27
1,2-Dichloroethane
Concen: 27.504 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV009205.D
Acq: 08 Jan 2019 20:34

Tgt Ion: 62 Resp: 106394
Ion Ratio Lower Upper
62 100
98 9.9 8.2 12.2





#30

Cyclohexane

Concen: 23.120 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV009205.D

Acq: 08 Jan 2019 20:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD02563

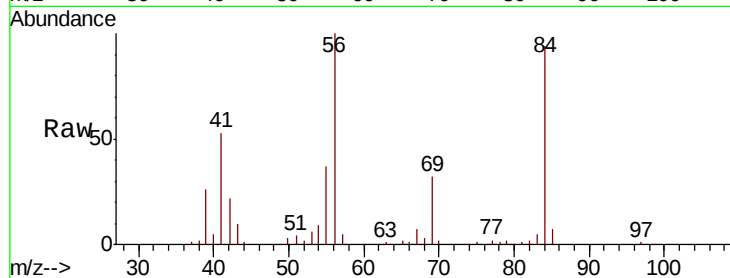
Tgt Ion: 56 Resp: 119723

Ion Ratio Lower Upper

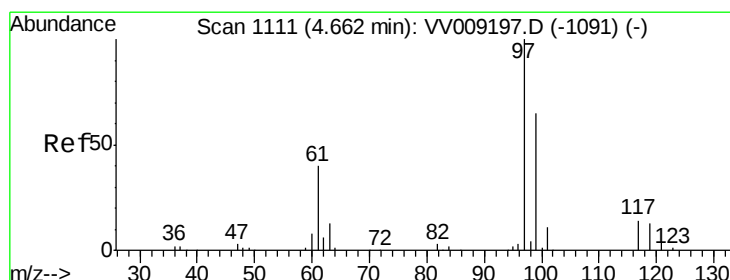
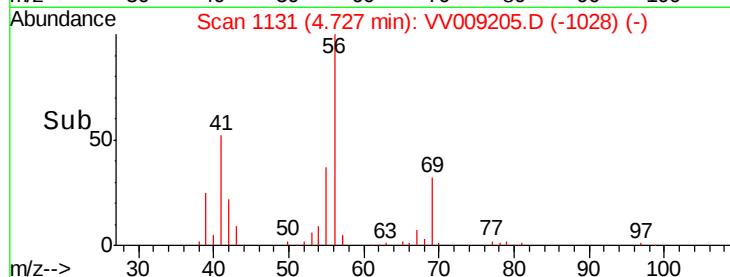
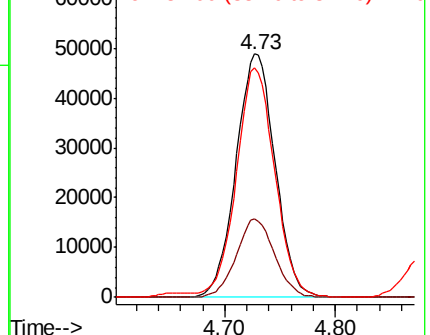
56 100

69 31.5 25.9 38.9

84 92.9 75.6 113.4



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



#31

1,1,1-Trichloroethane

Concen: 23.327 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VV009205.D

Acq: 08 Jan 2019 20:34

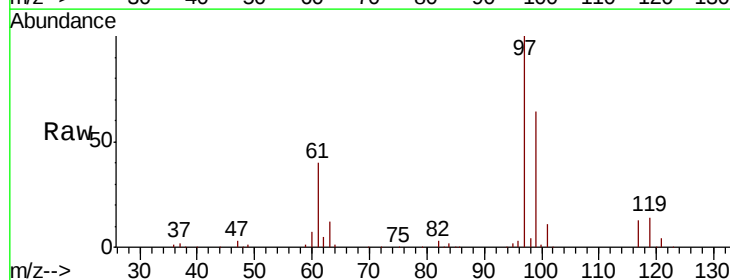
Tgt Ion: 97 Resp: 127827

Ion Ratio Lower Upper

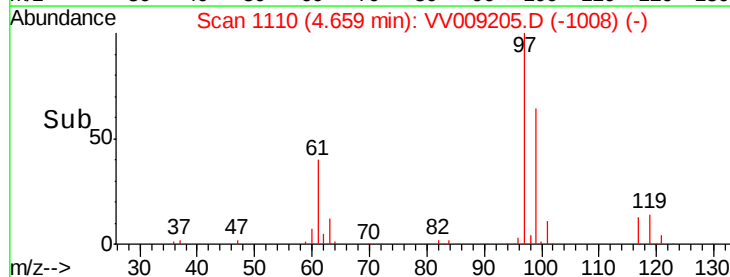
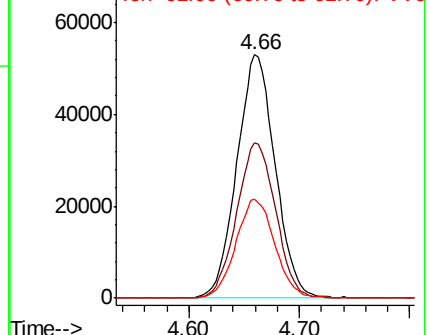
97 100

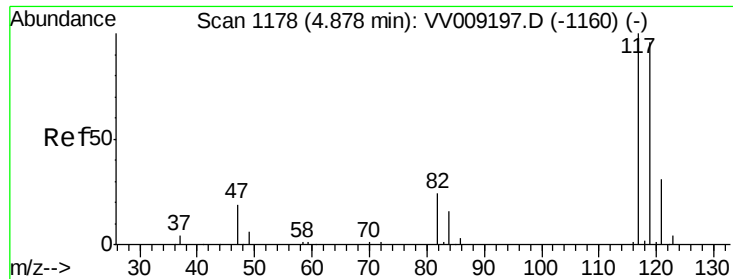
99 64.7 51.3 76.9

61 41.2 32.1 48.1



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.00 (60.70 to 61.70): VV0





#32

Carbon tetrachloride

Concen: 23.004 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV009205.D

Acq: 08 Jan 2019 20:34

Instrument :

MSVOA_V

ClientSampleId :

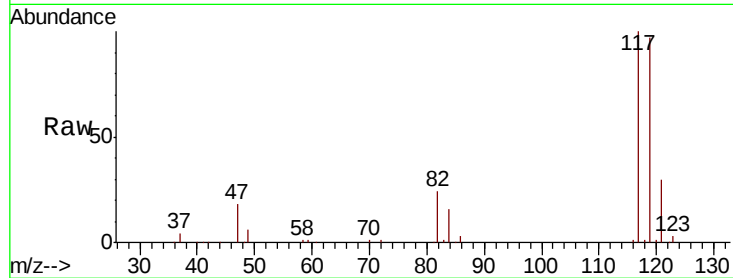
VSTD02563

Tgt Ion:117 Resp: 115460

Ion Ratio Lower Upper

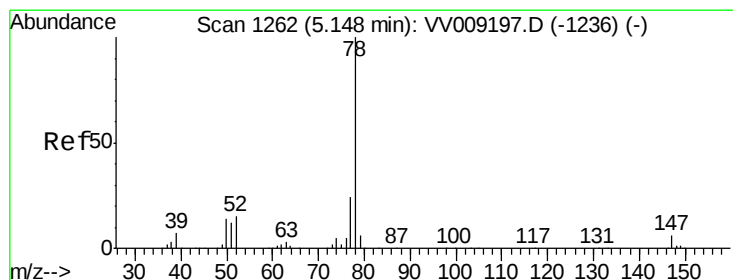
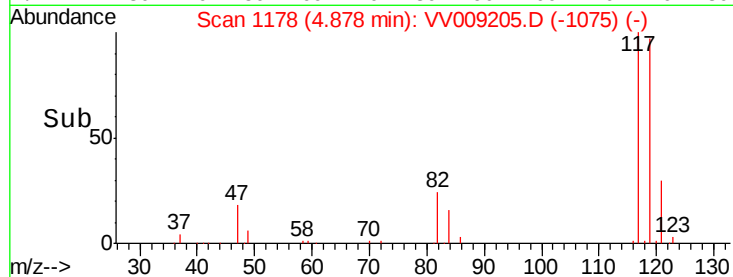
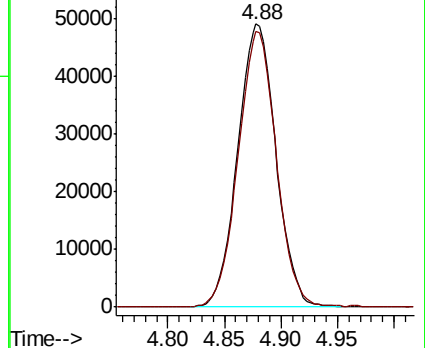
117 100

119 97.2 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.817 ug/L

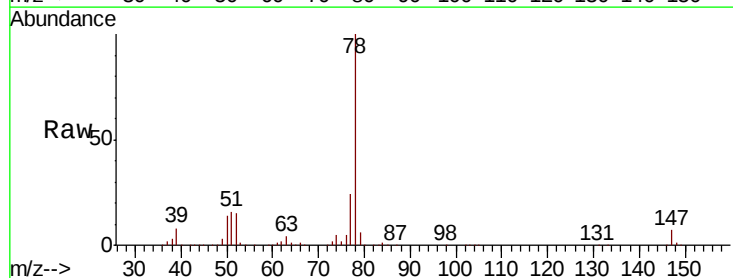
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

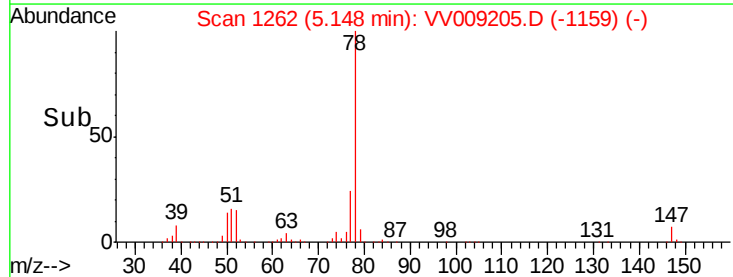
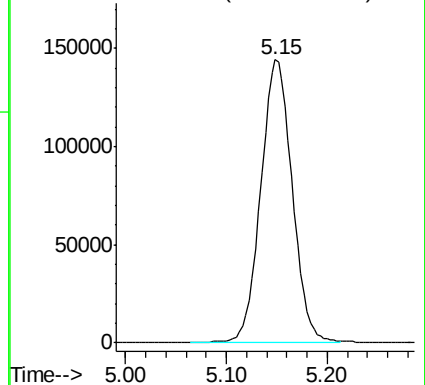
Lab File: VV009205.D

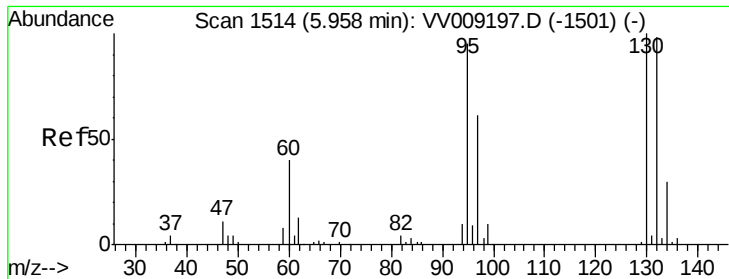
Acq: 08 Jan 2019 20:34

Tgt Ion: 78 Resp: 313154



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 24.199 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV009205.D

Acq: 08 Jan 2019 20:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD02563

Tgt Ion: 95 Resp: 87160

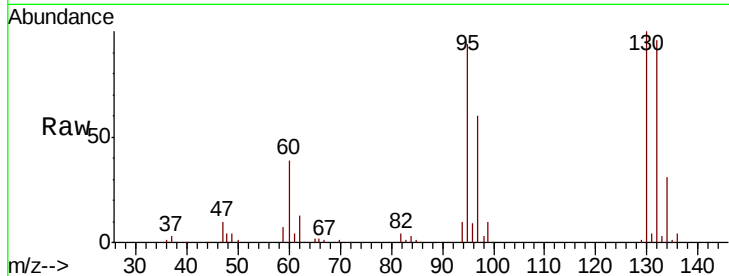
Ion Ratio Lower Upper

95 100

97 63.9 44.7 82.9

132 102.2 71.2 132.2

130 106.4 74.4 138.2

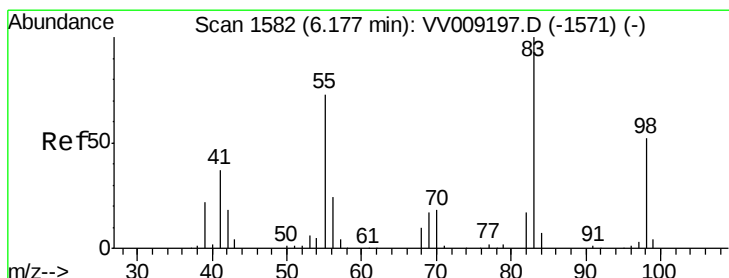
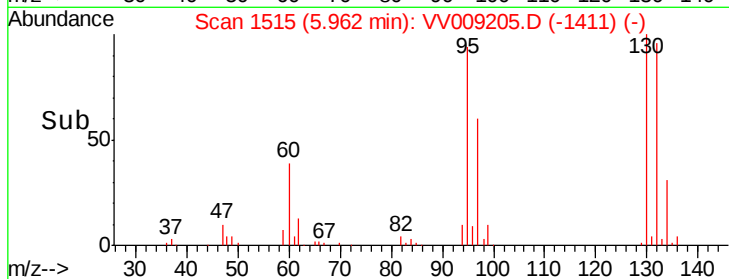
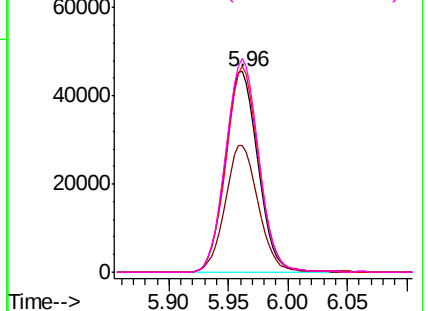


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 23.100 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VV009205.D

Acq: 08 Jan 2019 20:34

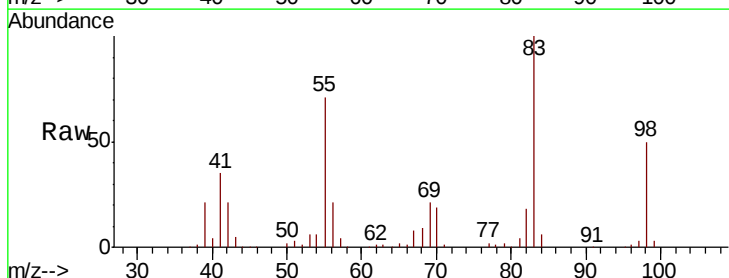
Tgt Ion: 83 Resp: 140476

Ion Ratio Lower Upper

83 100

55 70.5 57.6 86.4

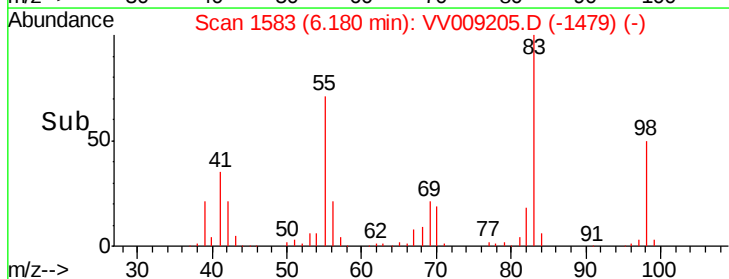
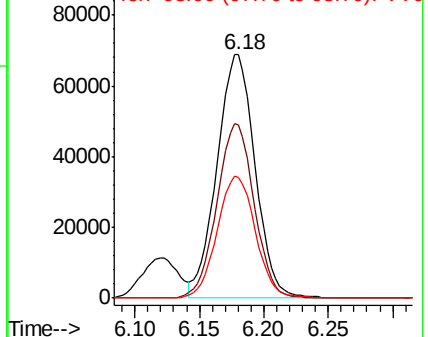
98 50.2 41.0 61.6

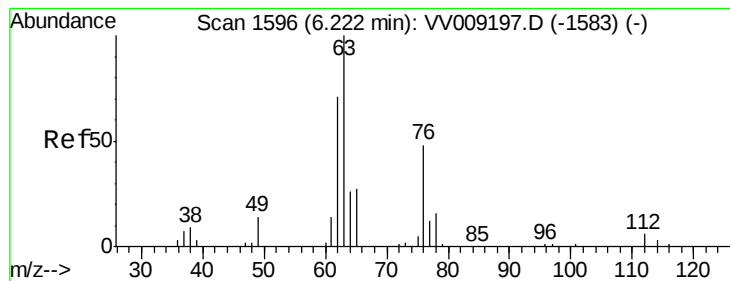


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#40

1,2-Dichloropropane

Concen: 25.678 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VV009205.D

Acq: 08 Jan 2019 20:34

Instrument :

MSVOA_V

ClientSampleId :

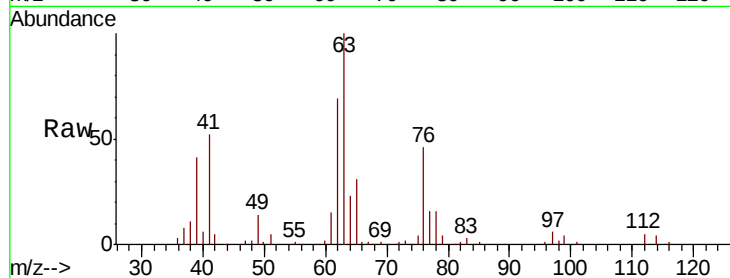
VSTD02563

Tgt Ion: 63 Resp: 78912

Ion Ratio Lower Upper

63 100

112 5.3 4.1 6.1



Abundance Ion 63.00 (62.70 to 63.70): VV009205.D (-1493) (-)

Ion 112.00 (111.70 to 112.70): VV009205.D (-1493) (-)

6.22

40000

30000

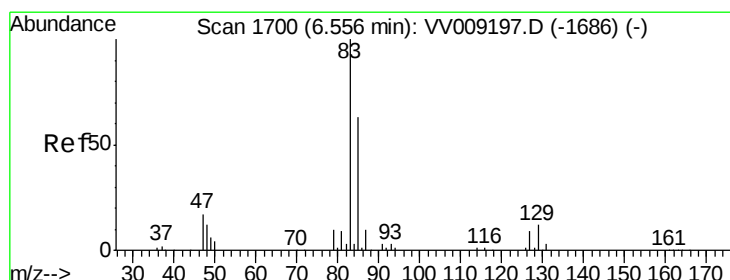
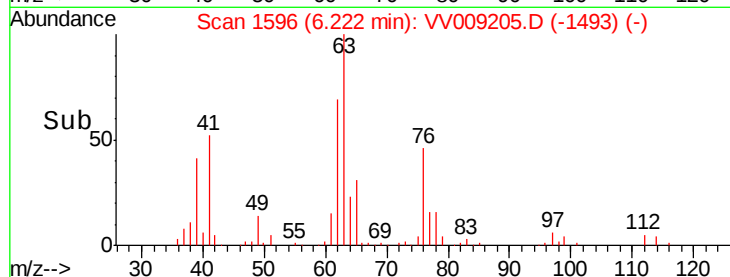
20000

10000

0

6.10 6.15 6.20 6.25 6.30

Time-->



#41

Bromodichloromethane

Concen: 25.684 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV009205.D

Acq: 08 Jan 2019 20:34

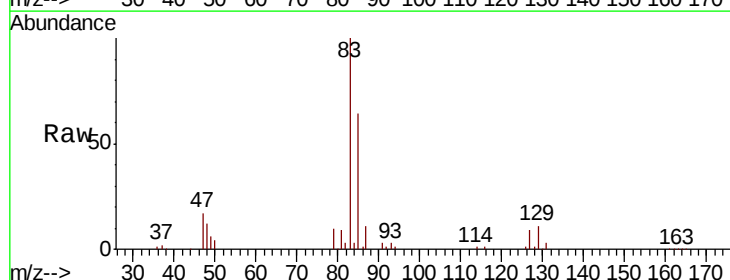
Tgt Ion: 83 Resp: 108546

Ion Ratio Lower Upper

83 100

85 63.7 45.4 84.4

127 9.3 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VV009205.D (-1597) (-)

Ion 85.00 (84.70 to 85.70): VV009205.D (-1597) (-)

Ion 127.00 (126.70 to 127.70): VV009205.D (-1597) (-)

6.56

80000

60000

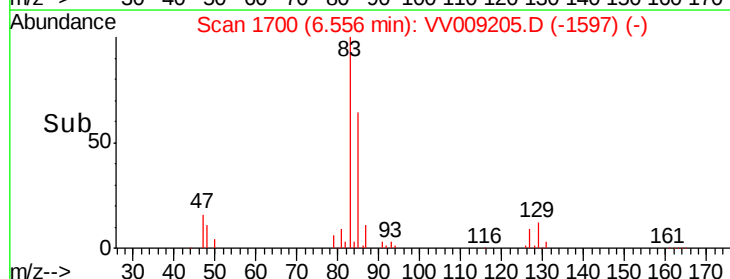
40000

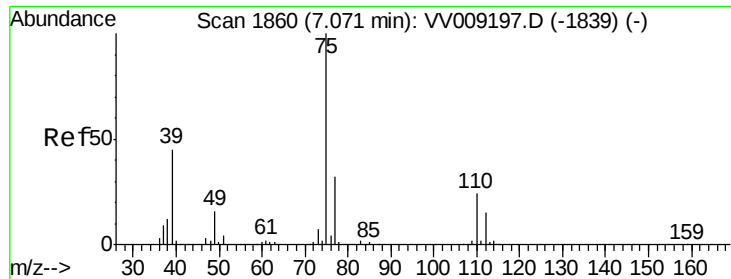
20000

0

6.50 6.55 6.60 6.65

Time-->



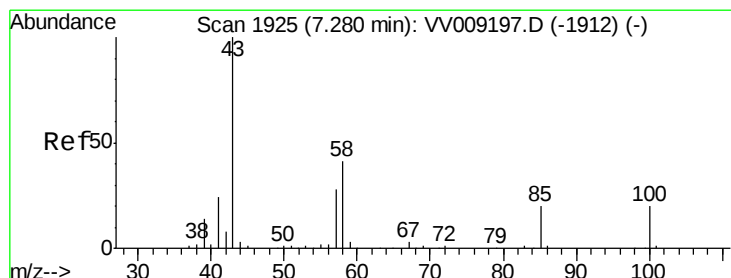
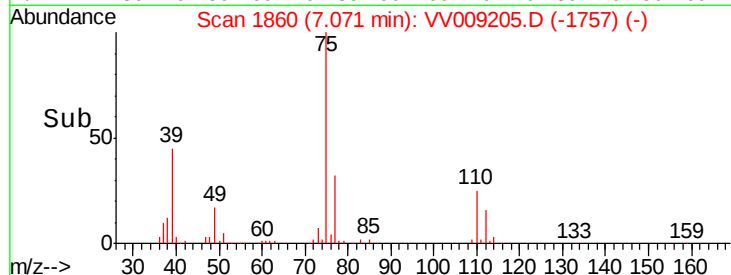
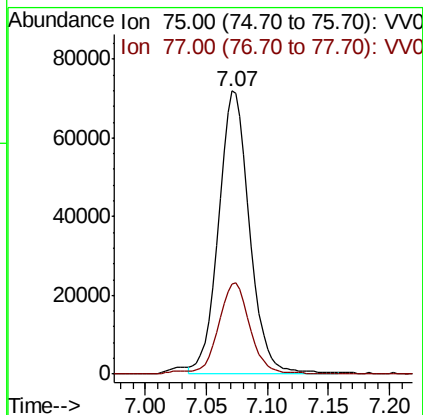
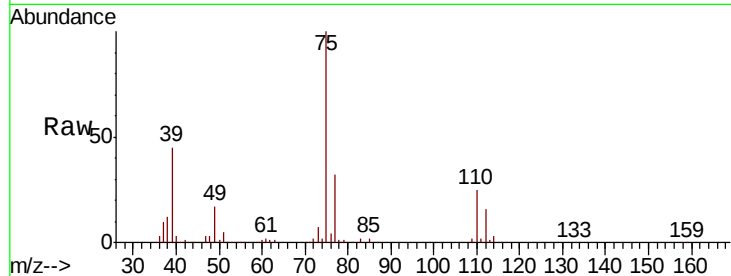


#42

cis-1,3-Dichloropropene
Concen: 26.738 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV009205.D
Acq: 08 Jan 2019 20:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD02563

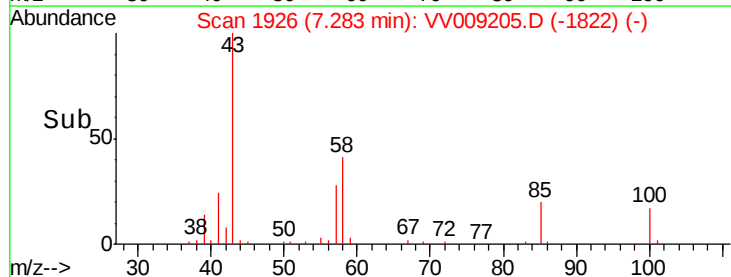
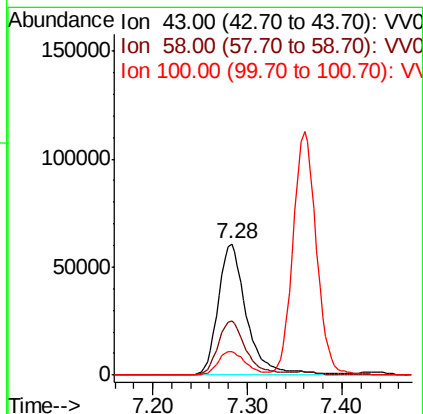
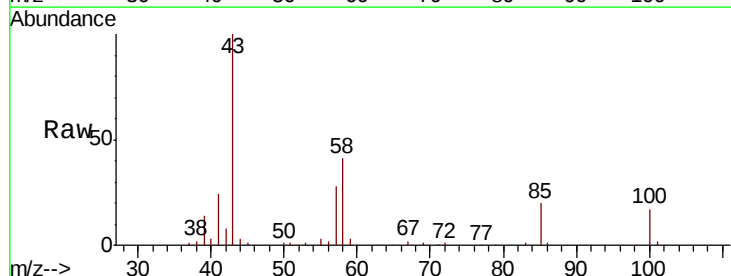
Tgt Ion: 75 Resp: 129100
Ion Ratio Lower Upper
75 100
77 31.8 22.7 42.3

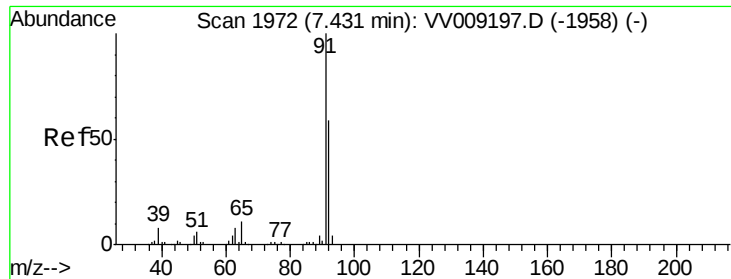


#43

4-Methyl-2-pentanone
Concen: 52.630 ug/L
RT: 7.28 min Scan# 1926
Delta R.T. 0.00 min
Lab File: VV009205.D
Acq: 08 Jan 2019 20:34

Tgt Ion: 43 Resp: 127142
Ion Ratio Lower Upper
43 100
58 40.5 32.8 49.2
100 17.4 15.0 22.4





#44

Toluene

Concen: 25.166 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV009205.D

Acq: 08 Jan 2019 20:34

Instrument :

MSVOA_V

ClientSampleId :

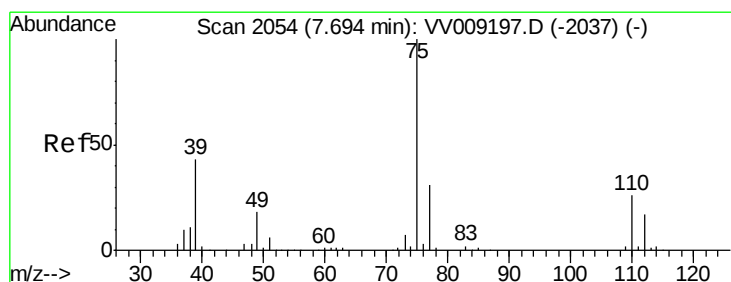
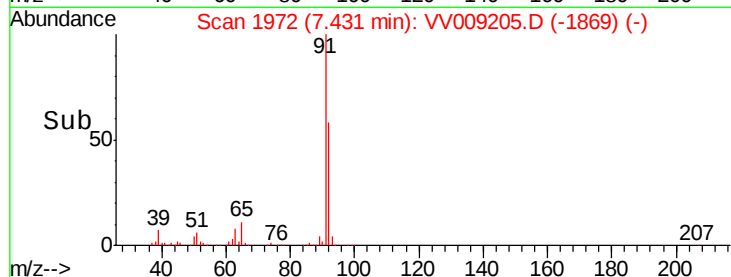
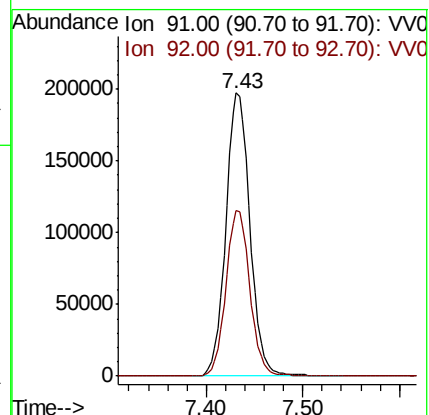
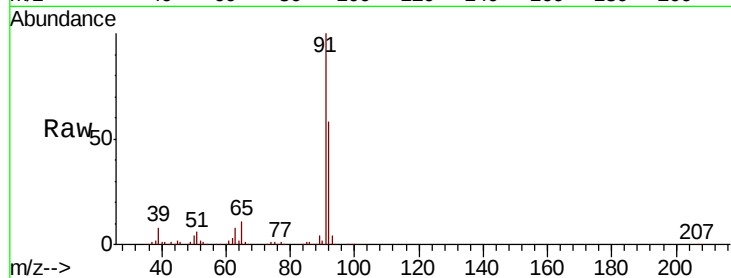
VSTD02563

Tgt Ion: 91 Resp: 341016

Ion Ratio Lower Upper

91 100

92 58.4 41.8 77.6



#45

trans-1,3-Dichloropropene

Concen: 26.938 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV009205.D

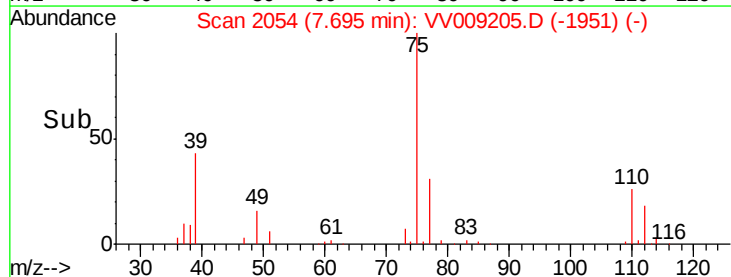
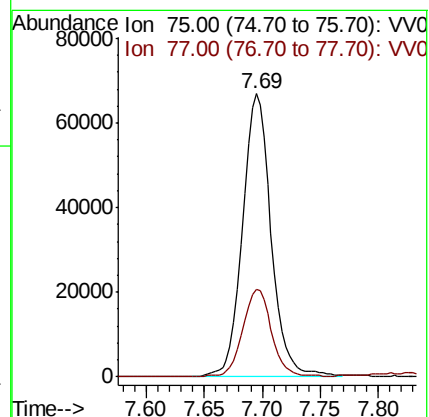
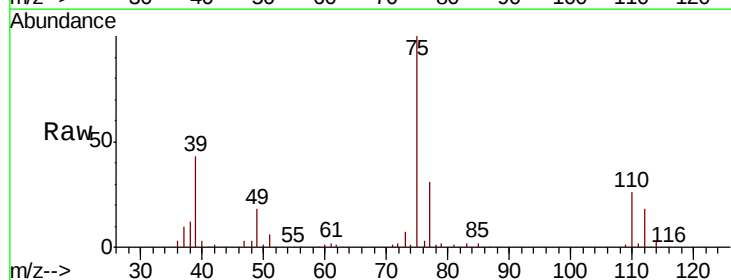
Acq: 08 Jan 2019 20:34

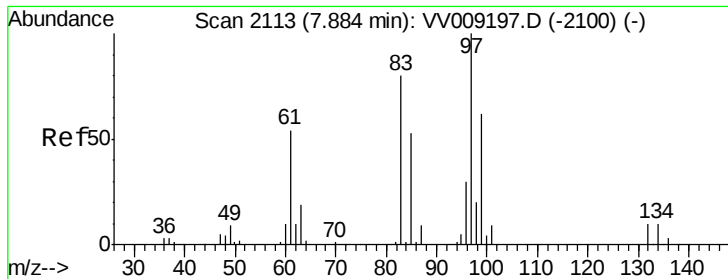
Tgt Ion: 75 Resp: 114517

Ion Ratio Lower Upper

75 100

77 30.9 21.5 39.9





#46

1,1,2-Trichloroethane

Concen: 26.447 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VV009205.D

Acq: 08 Jan 2019 20:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD02563

Tgt Ion: 97 Resp: 70852

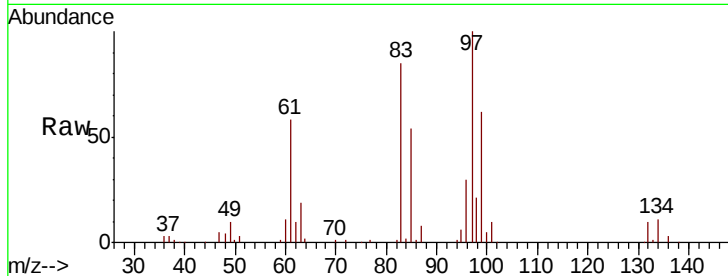
Ion Ratio Lower Upper

97 100

83 85.5 58.0 107.6

85 53.9 38.4 71.4

99 62.5 44.0 81.6

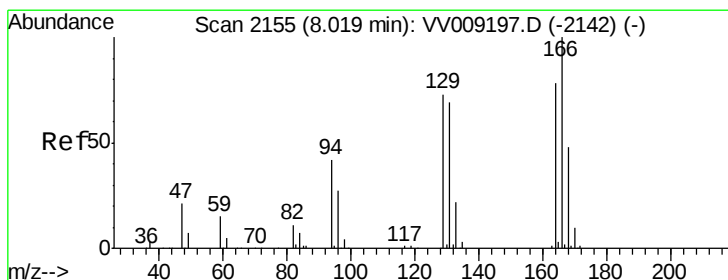
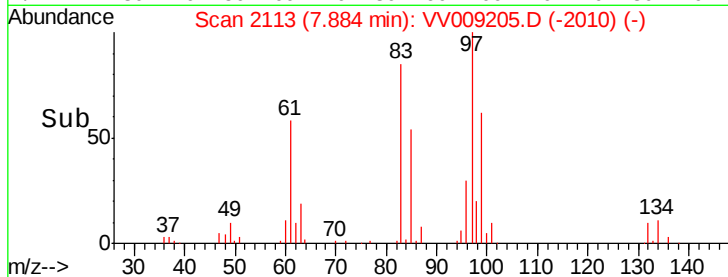
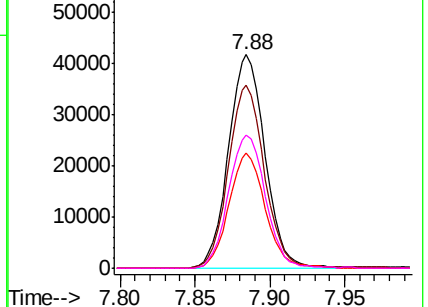


Abundance Ion 97.00 (96.70 to 97.70): VV0

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: 23.620 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV009205.D

Acq: 08 Jan 2019 20:34

Tgt Ion: 164 Resp: 73374

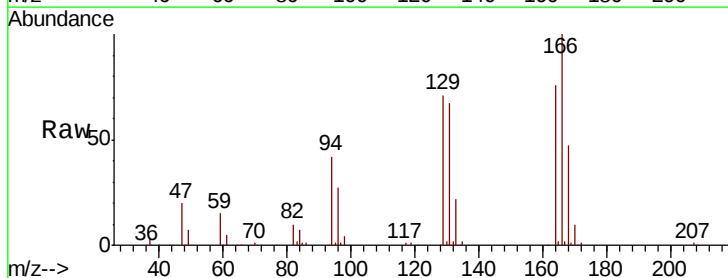
Ion Ratio Lower Upper

164 100

129 94.1 65.3 121.3

131 88.6 61.8 114.8

166 131.9 87.8 163.0

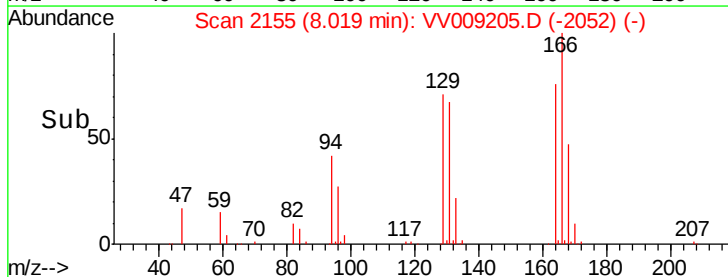
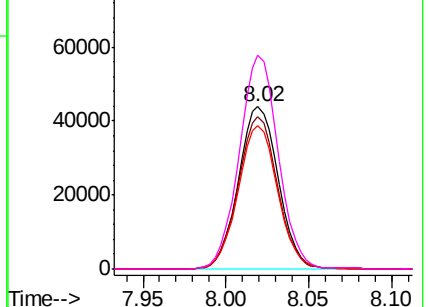


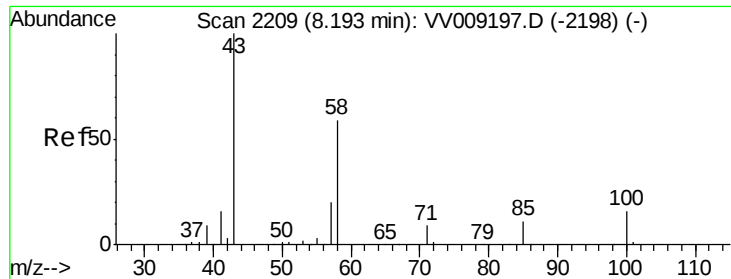
Abundance Ion 164.00 (163.70 to 164.70): V

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

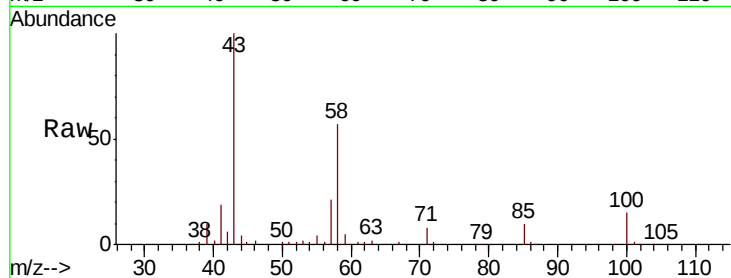




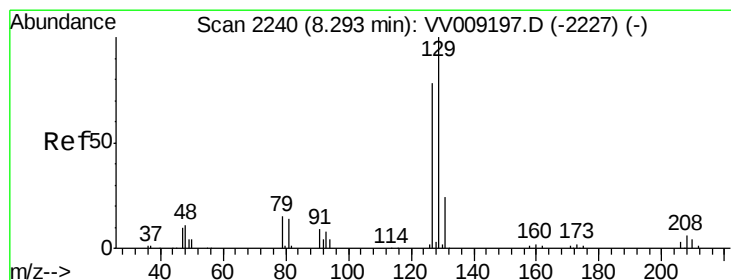
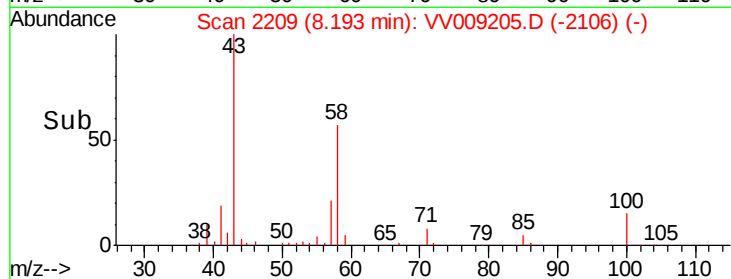
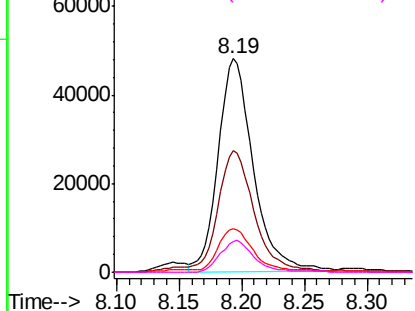
#49
2-Hexanone
Concen: 49.017 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VV009205.D
Acq: 08 Jan 2019 20:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD02563

Tgt Ion: 43 Resp: 93768
Ion Ratio Lower Upper
43 100
58 56.5 48.4 72.6
57 21.1 15.6 23.4
100 14.4 12.4 18.6

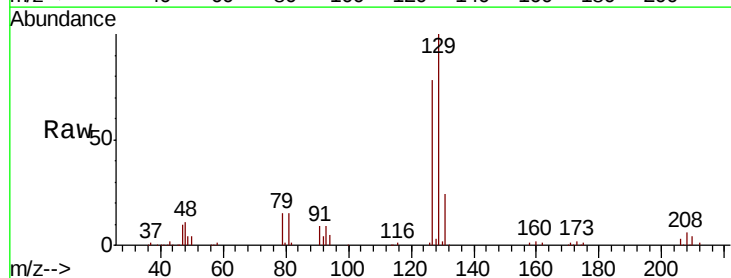


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

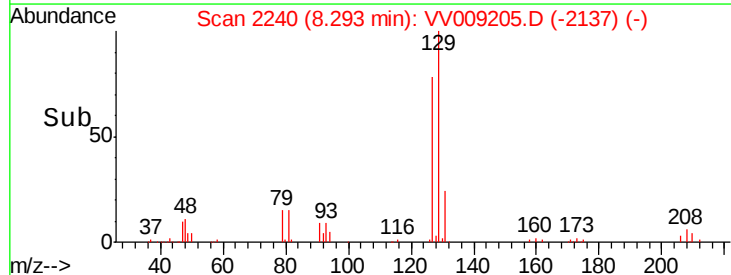
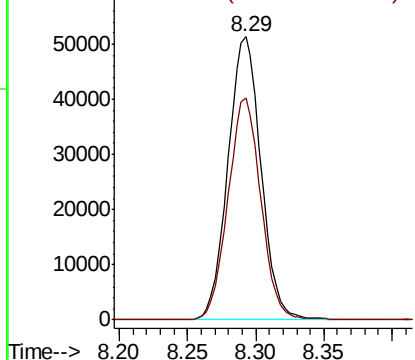


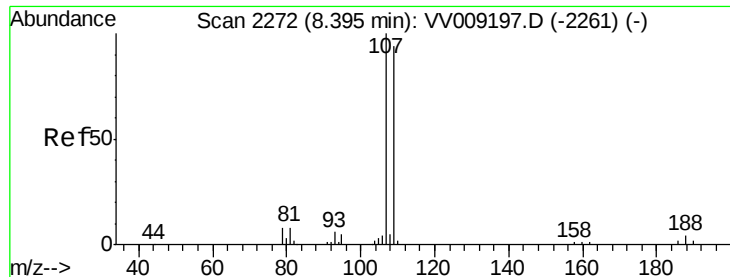
#50
Dibromochloromethane
Concen: 26.391 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV009205.D
Acq: 08 Jan 2019 20:34

Tgt Ion: 129 Resp: 86228
Ion Ratio Lower Upper
129 100
127 78.3 55.9 103.9



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

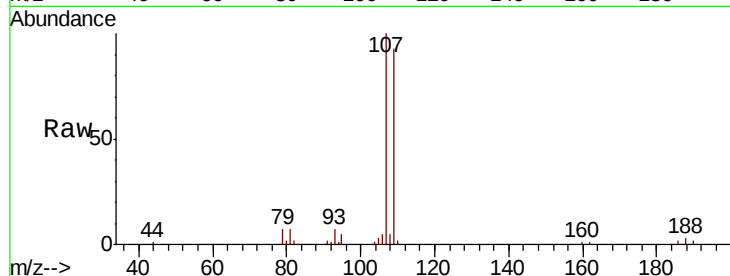




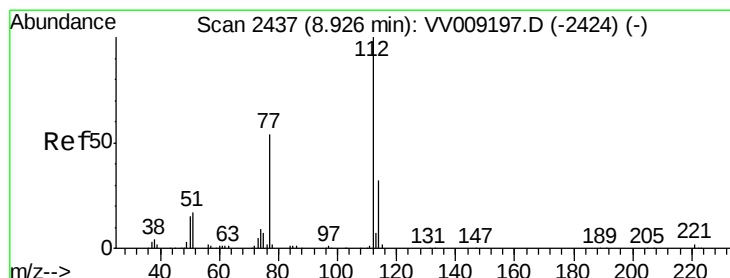
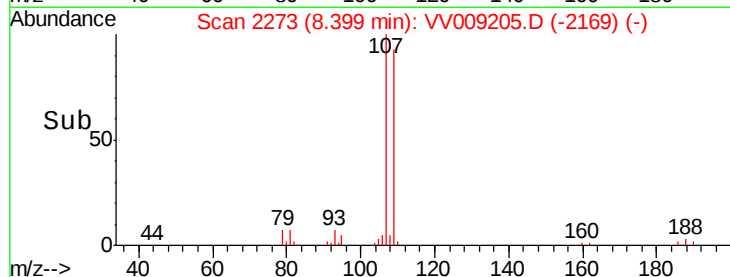
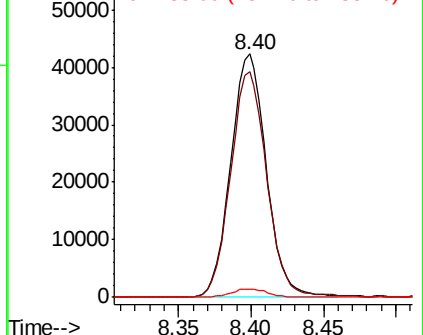
#51
1,2-Dibromoethane
Concen: 26.379 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV009205.D
Acq: 08 Jan 2019 20:34

Instrument :
MSVOA_V
ClientSampled :
VSTD02563

Tgt Ion:107 Resp: 72138
Ion Ratio Lower Upper
107 100
109 92.8 65.0 120.6
188 3.4 3.0 4.4

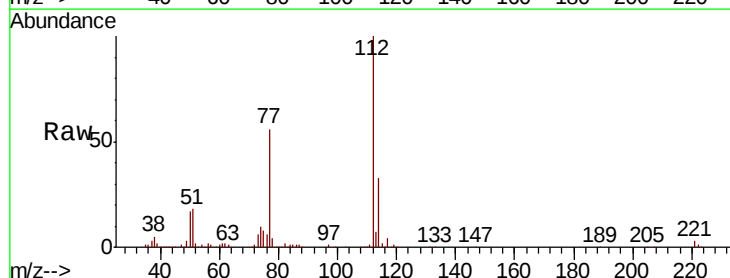


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

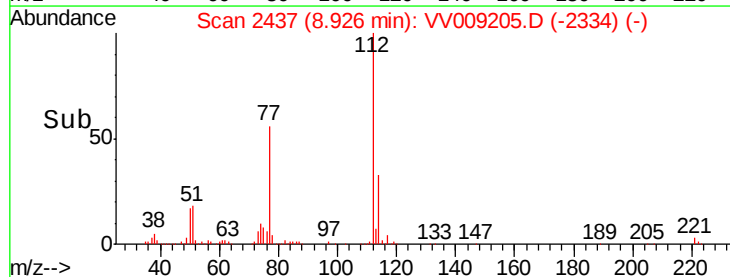
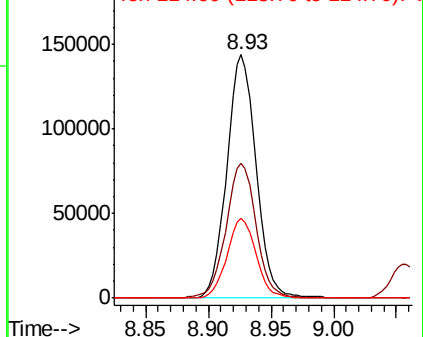


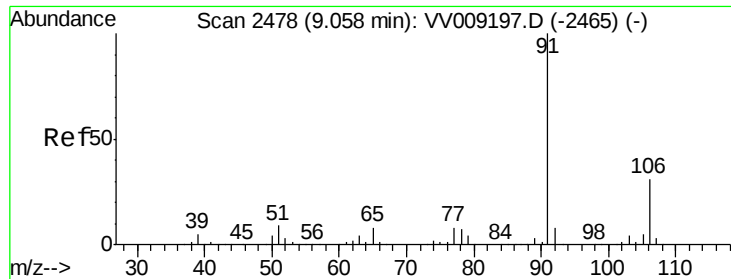
#52
Chlorobenzene
Concen: 25.059 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV009205.D
Acq: 08 Jan 2019 20:34

Tgt Ion:112 Resp: 233456
Ion Ratio Lower Upper
112 100
77 55.6 45.4 68.2
114 32.9 22.9 42.5



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: 24.970 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV009205.D

Acq: 08 Jan 2019 20:34

Instrument :

MSVOA_V

ClientSampleId :

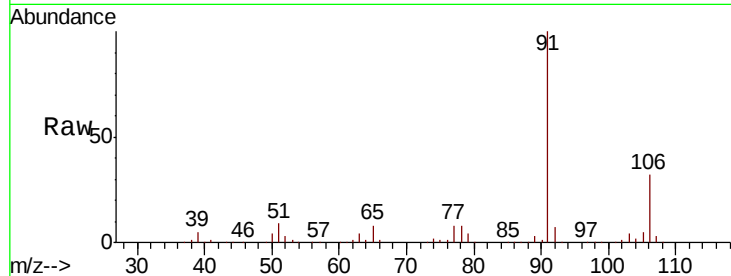
VSTD02563

Tgt Ion: 91 Resp: 382290

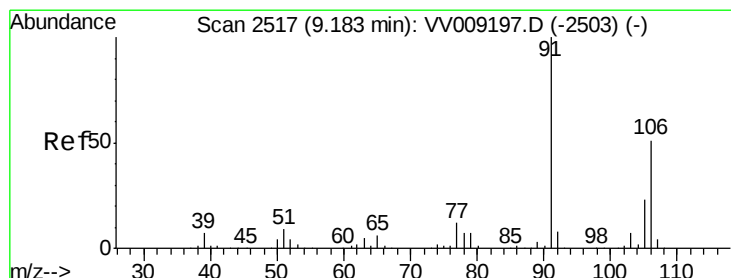
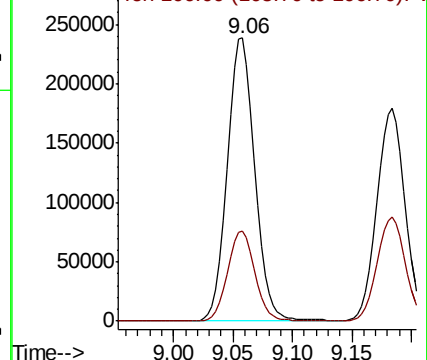
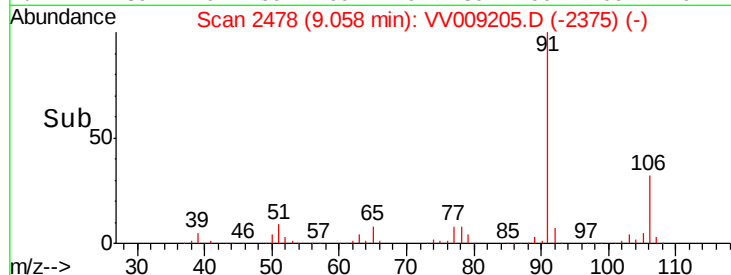
Ion Ratio Lower Upper

91 100

106 31.9 21.9 40.7



Abundance Ion 91.00 (90.70 to 91.70): VV009205.D (-2375) (-)



#54

m,p-Xylene

Concen: 24.452 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV009205.D

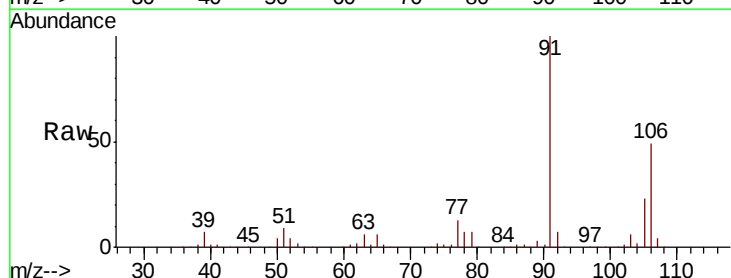
Acq: 08 Jan 2019 20:34

Tgt Ion: 106 Resp: 144625

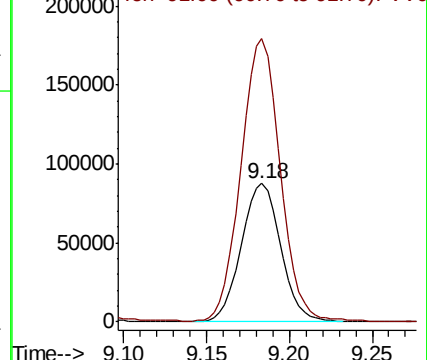
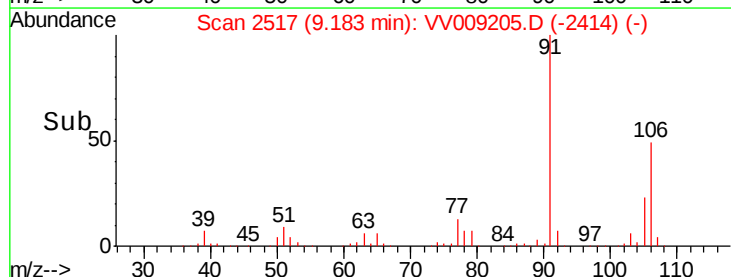
Ion Ratio Lower Upper

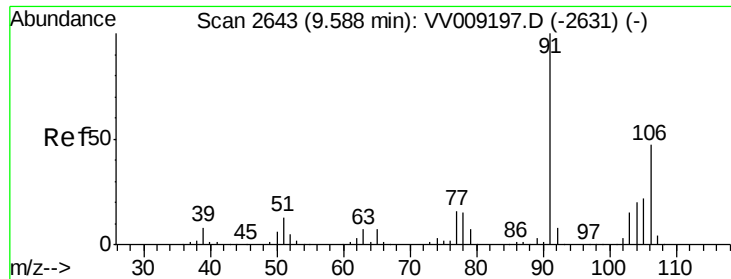
106 100

91 204.9 139.2 258.6



Abundance Ion 106.00 (105.70 to 106.70): VV009205.D (-2414) (-)

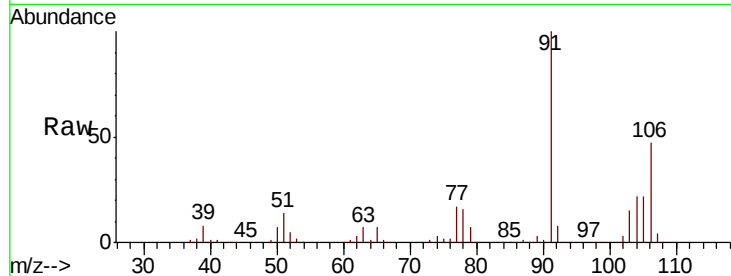




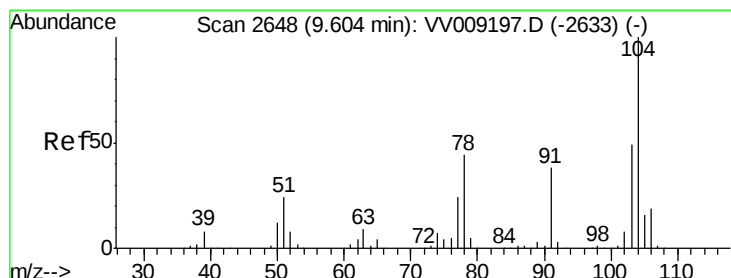
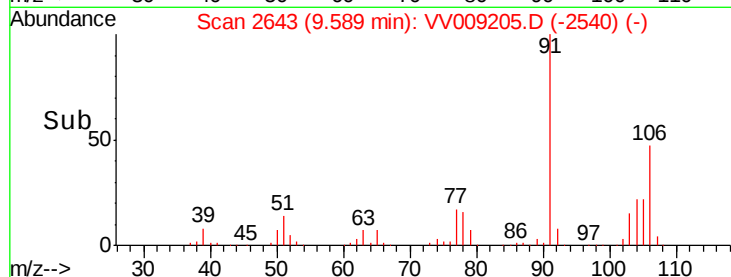
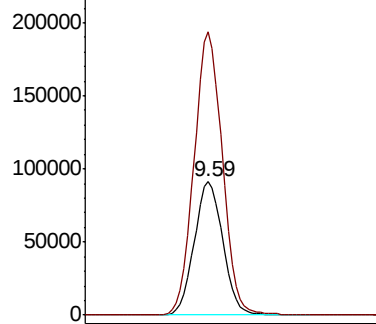
#55
o-xylene
Concen: 25.725 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV009205.D
Acq: 08 Jan 2019 20:34

Instrument :
MSVOA_V
ClientSampleId :
VSTD02563

Tgt Ion:106 Resp: 144736
Ion Ratio Lower Upper
106 100
91 211.9 148.0 274.8

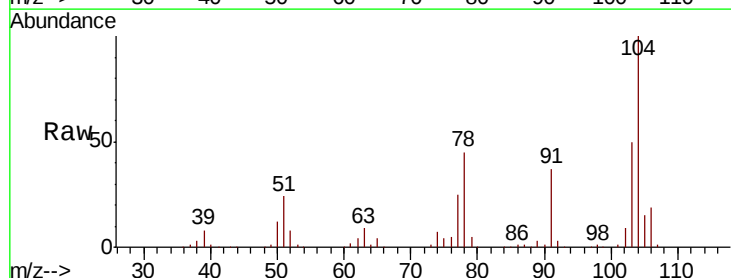


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

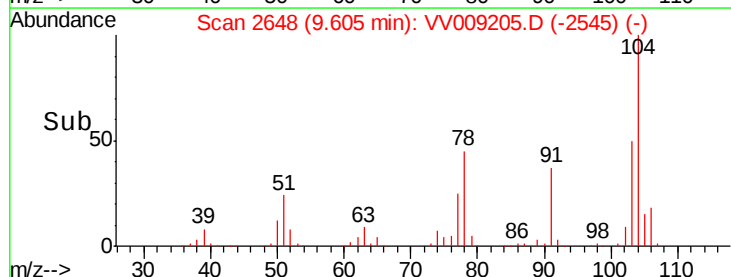
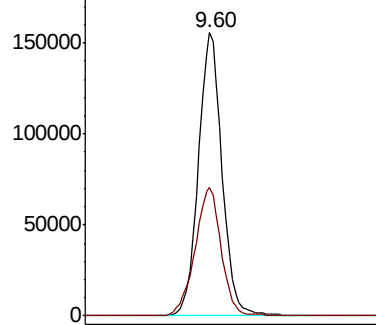


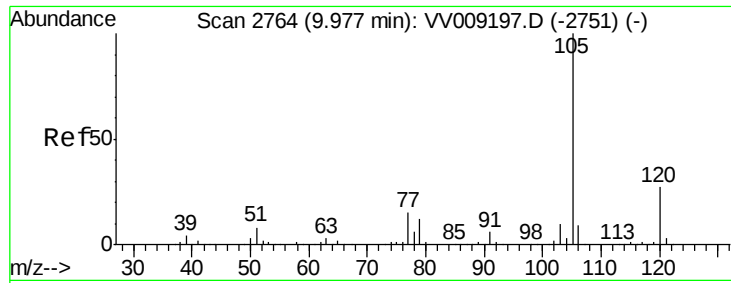
#56
Styrene
Concen: 26.548 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV009205.D
Acq: 08 Jan 2019 20:34

Tgt Ion:104 Resp: 248469
Ion Ratio Lower Upper
104 100
78 45.4 30.9 57.5



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





#57

Isopropylbenzene

Concen: 24.722 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV009205.D

Acq: 08 Jan 2019 20:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD02563

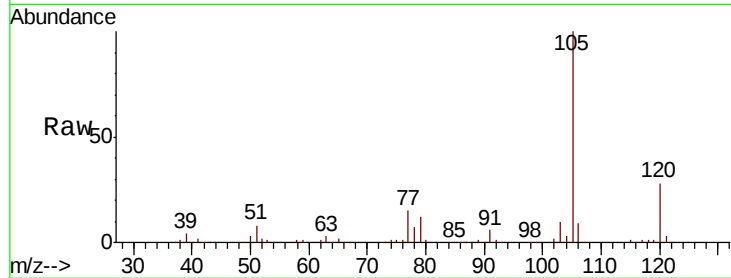
Tgt Ion: 105 Resp: 377846

Ion Ratio Lower Upper

105 100

120 27.0 21.2 31.8

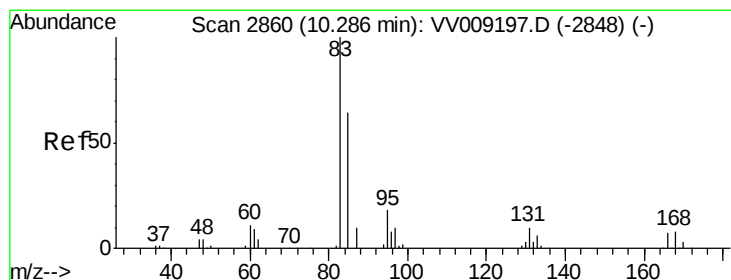
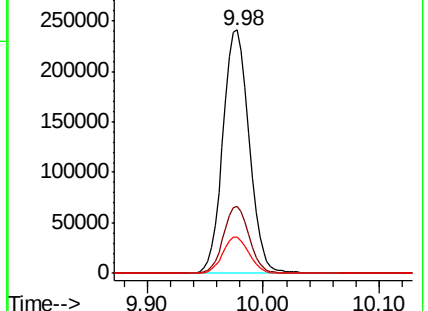
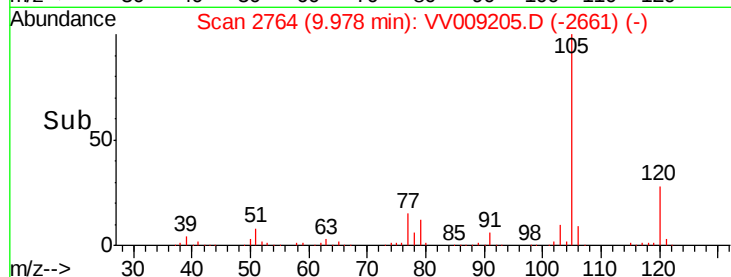
77 14.9 11.9 17.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 26.584 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV009205.D

Acq: 08 Jan 2019 20:34

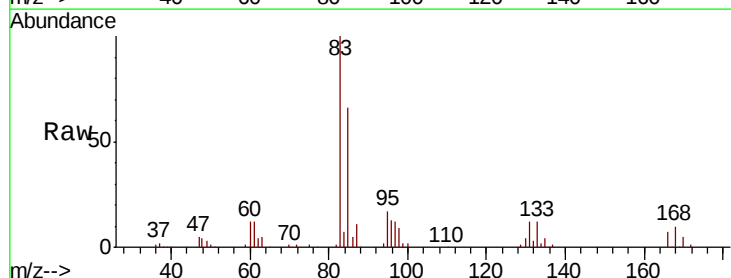
Tgt Ion: 83 Resp: 88922

Ion Ratio Lower Upper

83 100

85 66.0 43.7 81.1

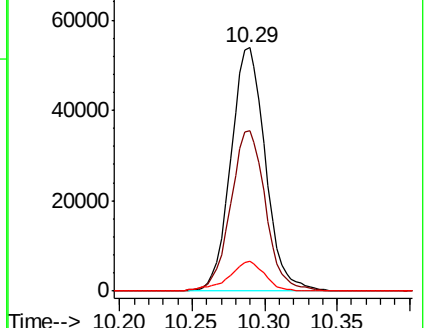
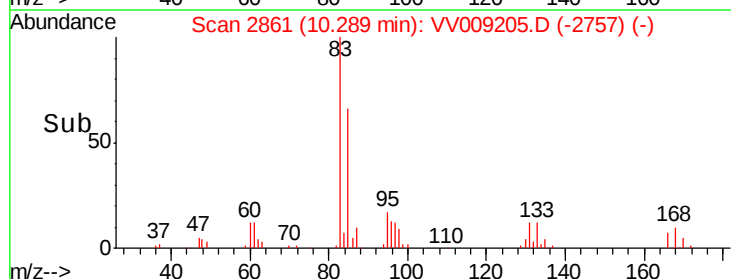
131 12.0 8.5 12.7

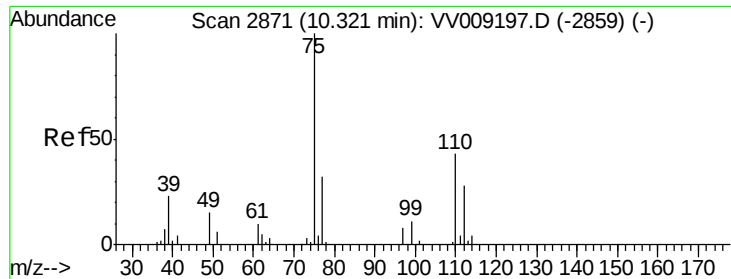


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.757 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VV009205.D

Acq: 08 Jan 2019 20:34

Instrument :

MSVOA_V

ClientSampleId :

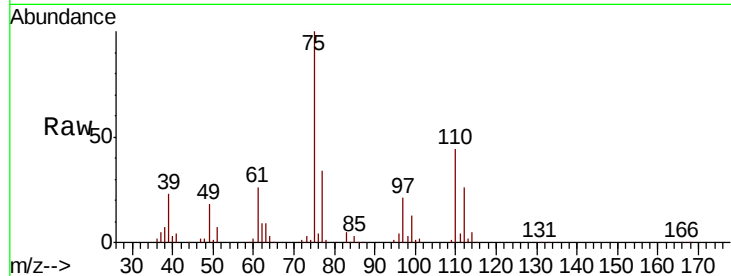
VSTD02563

Tgt Ion: 75 Resp: 67923

Ion Ratio Lower Upper

75 100

77 32.9 26.3 39.5

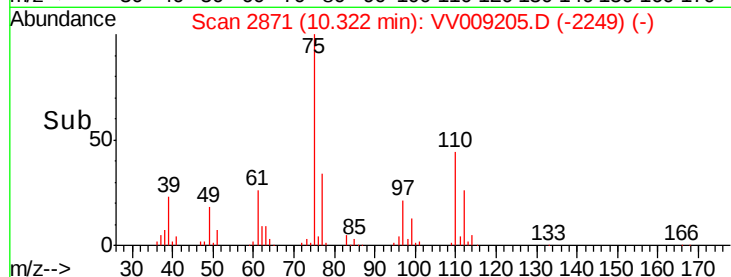


Abundance Ion 75.00 (74.70 to 75.70): VV009197.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV009197.D (-2859) (-)

10.32

Time-->

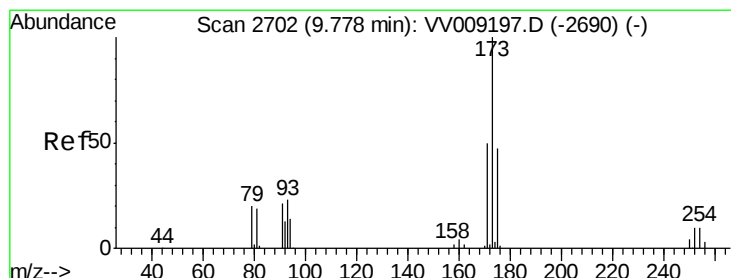


Abundance Ion 75.00 (74.70 to 75.70): VV009205.D (-2249) (-)

Ion 77.00 (76.70 to 77.70): VV009205.D (-2249) (-)

10.32

Time-->



#62

Bromoform

Concen: 25.287 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV009205.D

Acq: 08 Jan 2019 20:34

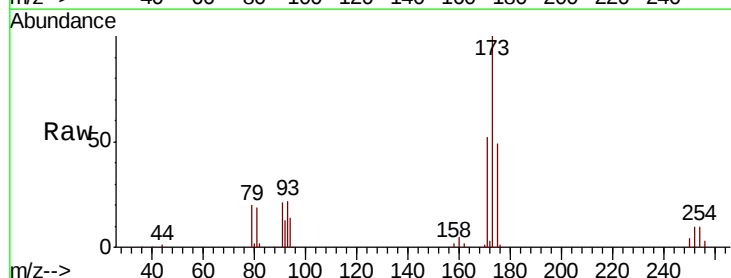
Tgt Ion: 173 Resp: 53824

Ion Ratio Lower Upper

173 100

175 48.2 38.0 57.0

254 9.8 7.7 11.5



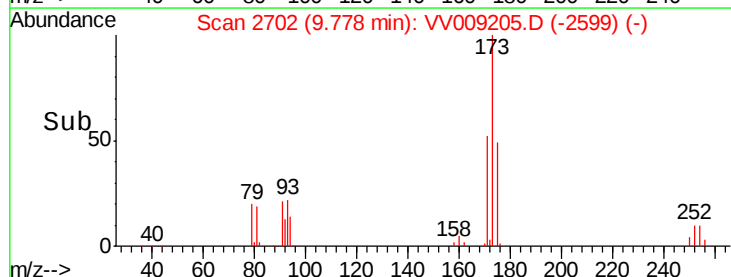
Abundance Ion 173.00 (172.70 to 173.70): VV009197.D (-2690) (-)

Ion 175.00 (174.70 to 175.70): VV009197.D (-2690) (-)

Ion 254.00 (253.70 to 254.70): VV009197.D (-2690) (-)

9.78

Time-->



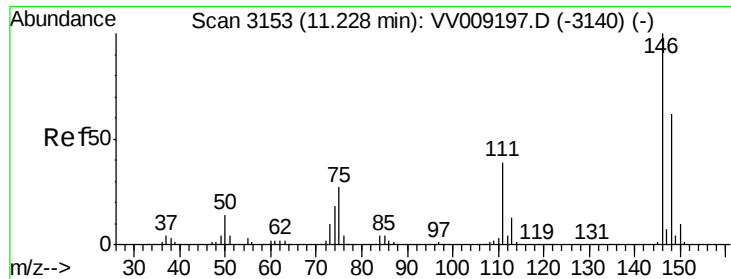
Abundance Ion 173.00 (172.70 to 173.70): VV009205.D (-2599) (-)

Ion 175.00 (174.70 to 175.70): VV009205.D (-2599) (-)

Ion 254.00 (253.70 to 254.70): VV009205.D (-2599) (-)

9.78

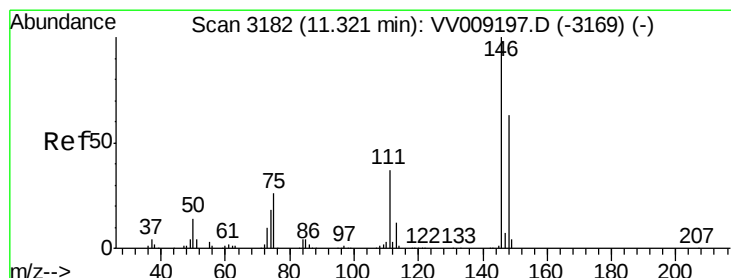
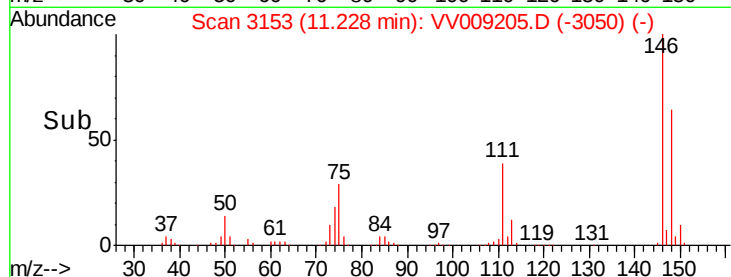
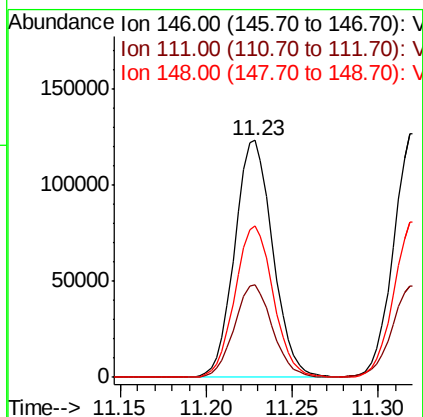
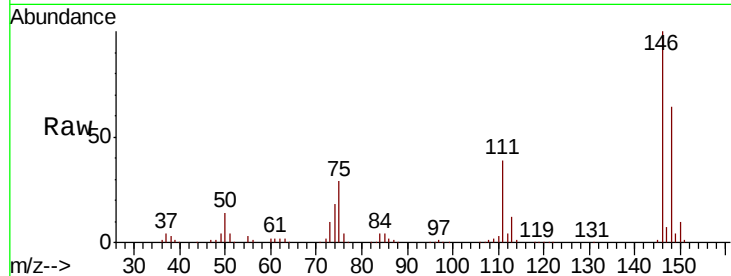
Time-->



#63
 1,3-Dichlorobenzene
 Concen: 24.152 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV009205.D
 Acq: 08 Jan 2019 20:34

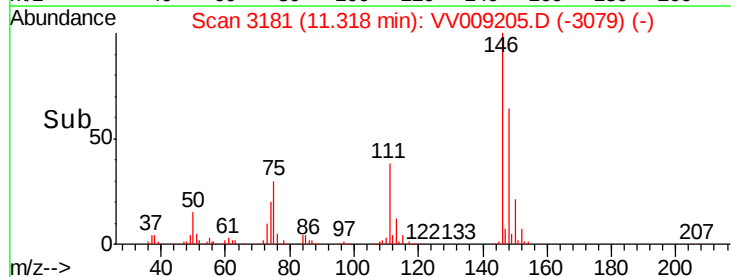
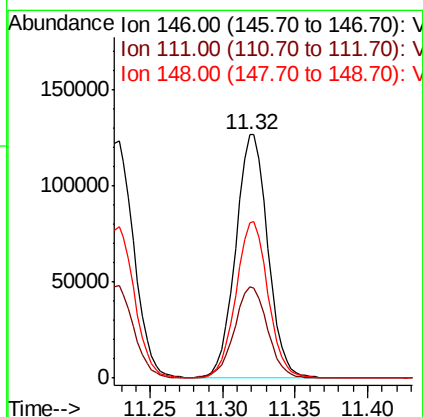
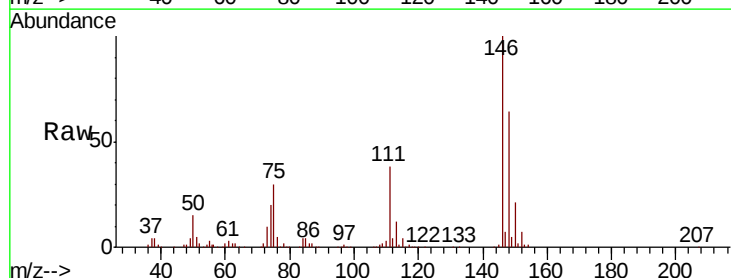
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02563

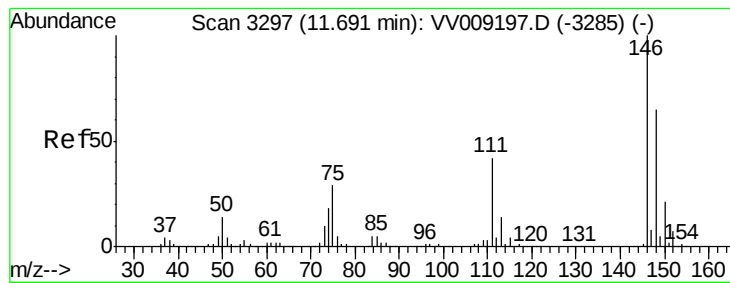
Tgt Ion:146 Resp: 189864
 Ion Ratio Lower Upper
 146 100
 111 38.9 27.2 50.6
 148 63.9 43.8 81.4



#64
 1,4-Dichlorobenzene
 Concen: 24.297 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV009205.D
 Acq: 08 Jan 2019 20:34

Tgt Ion:146 Resp: 194635
 Ion Ratio Lower Upper
 146 100
 111 37.7 26.4 49.0
 148 63.8 44.9 83.3





#65

1,2-Dichlorobenzene

Concen: 24.906 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009205.D

Acq: 08 Jan 2019 20:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD02563

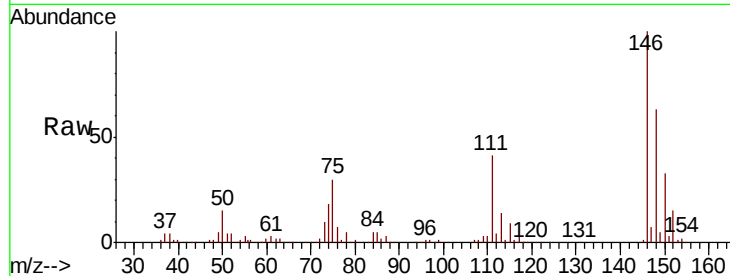
Tgt Ion: 146 Resp: 184848

Ion Ratio Lower Upper

146 100

111 41.5 33.0 49.4

148 62.9 50.1 75.1

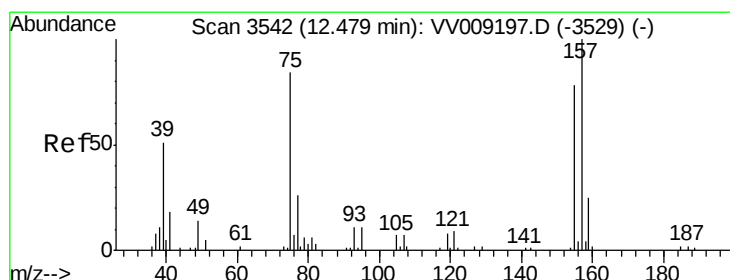
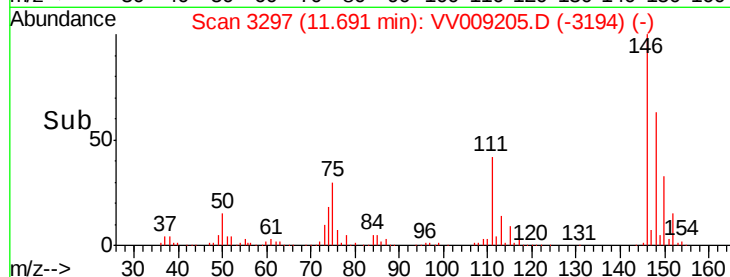
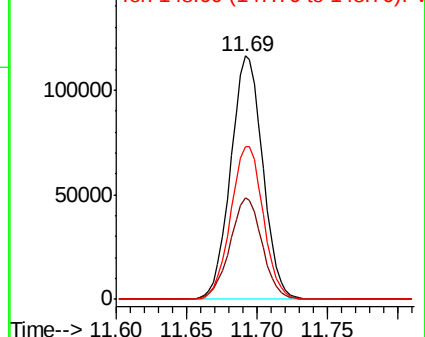


Abundance

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: 24.483 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV009205.D

Acq: 08 Jan 2019 20:34

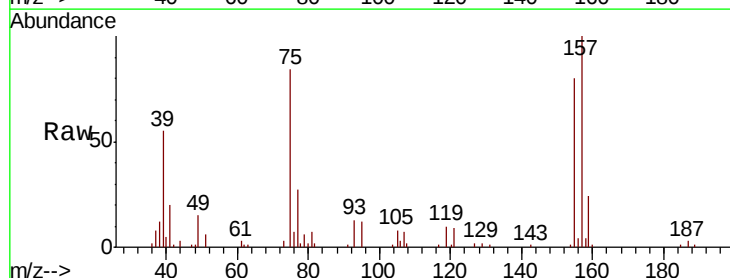
Tgt Ion: 75 Resp: 16293

Ion Ratio Lower Upper

75 100

157 118.6 104.6 156.8

155 94.9 80.1 120.1

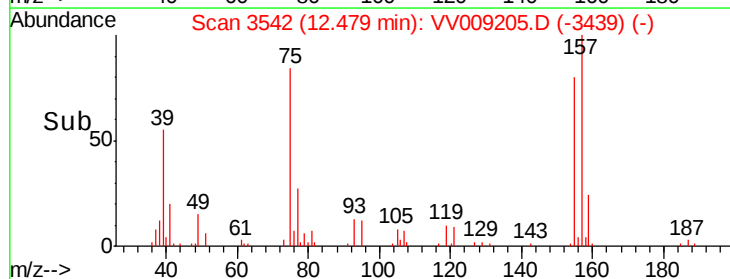
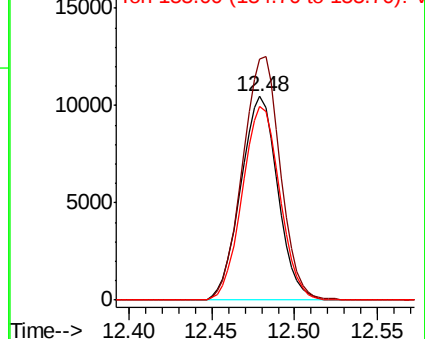


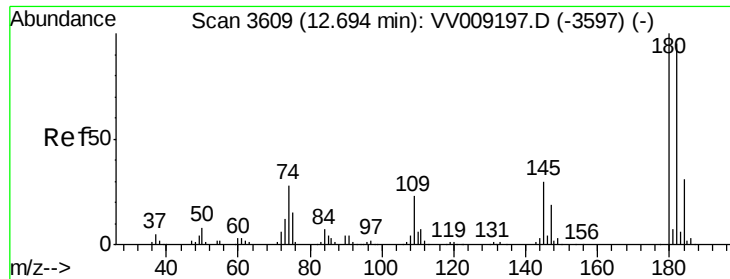
Abundance

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

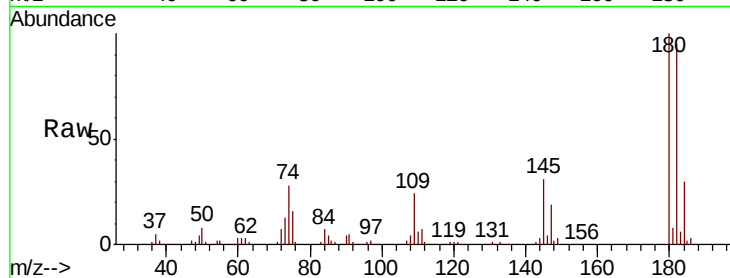




#67
 1,3,5-Trichlorobenzene
 Concen: 23.923 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV009205.D
 Acq: 08 Jan 2019 20:34

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02563

Tgt Ion:	180	Resp:	149720
Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.4	114.6
184	29.8	24.5	36.7
145	30.5	24.2	36.2



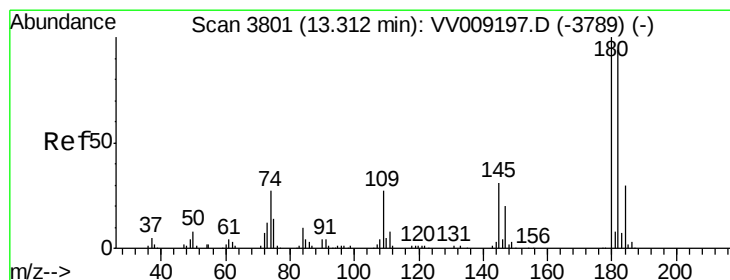
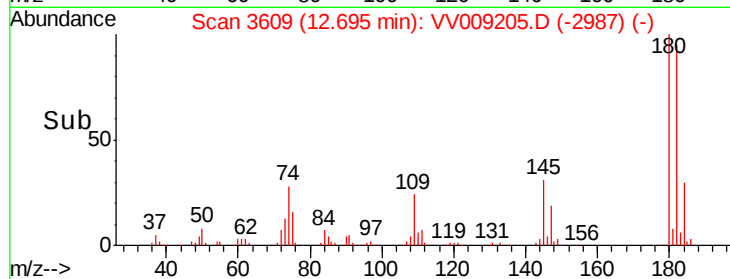
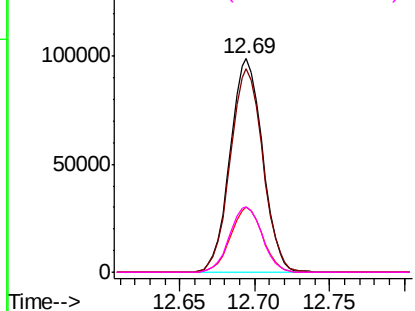
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

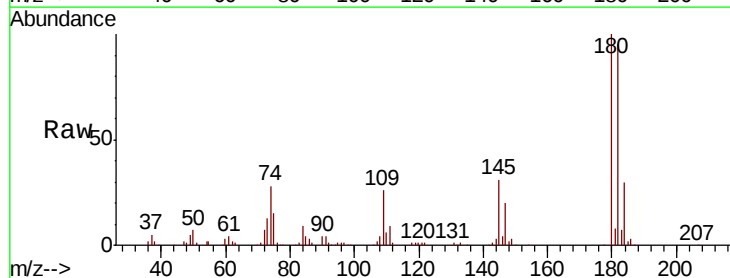
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.727 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009205.D
 Acq: 08 Jan 2019 20:34

Tgt Ion:	180	Resp:	125354
Ion	Ratio	Lower	Upper
180	100		
182	96.2	75.7	113.5
145	31.0	24.5	36.7

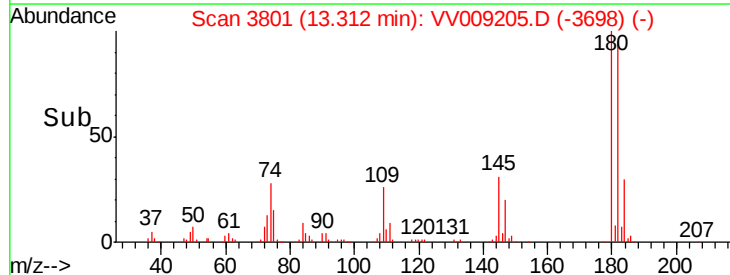
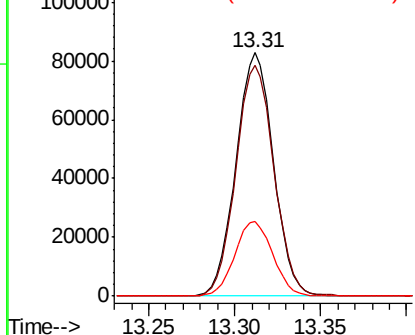


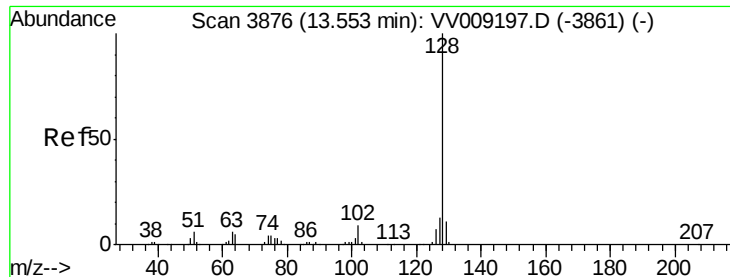
Abundance

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





#69

Naphthalene

Concen: 25.144 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV009205.D

Acq: 08 Jan 2019 20:34

Instrument :

MSVOA_V

ClientSampleId :

VSTD02563

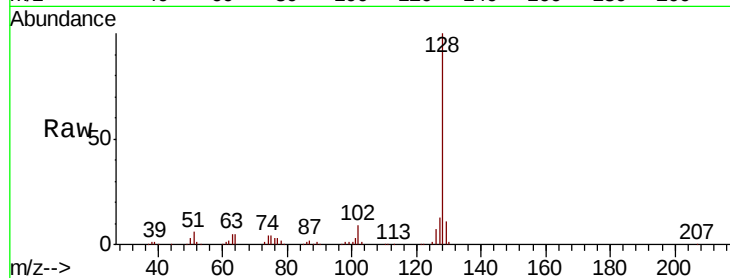
Tgt Ion:128 Resp: 245405

Ion Ratio Lower Upper

128 100

129 10.5 8.7 13.1

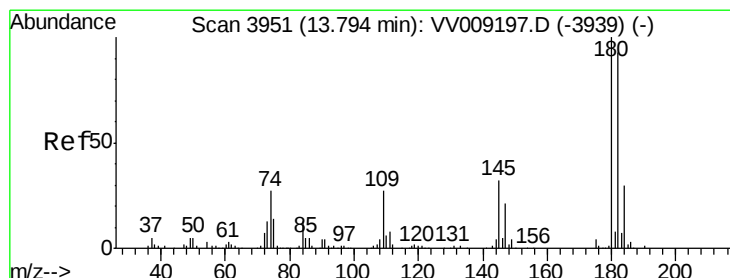
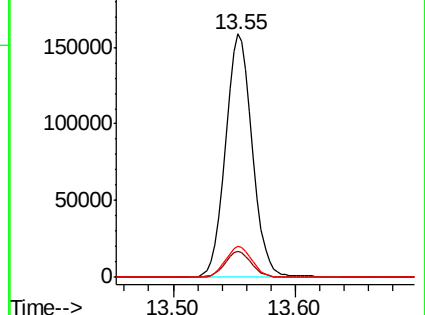
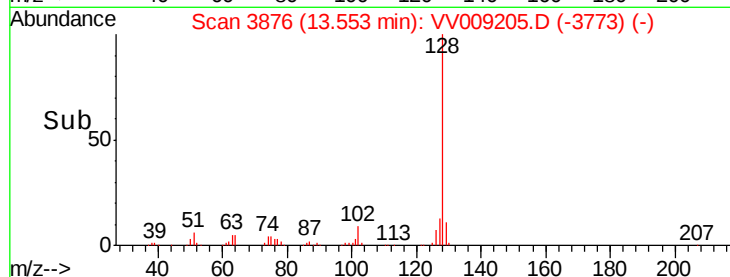
127 12.8 10.6 15.8



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: 25.224 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV009205.D

Acq: 08 Jan 2019 20:34

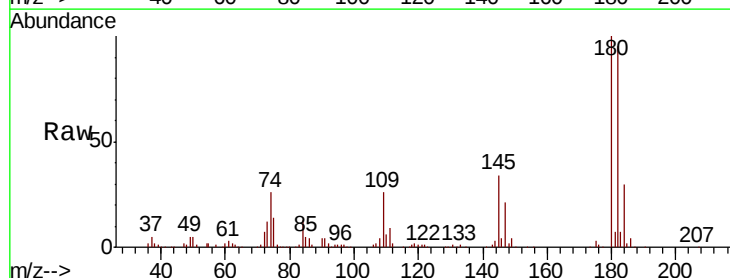
Tgt Ion:180 Resp: 116747

Ion Ratio Lower Upper

180 100

182 94.6 76.8 115.2

145 33.8 25.7 38.5



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

