

Data File : VV012928.D
Acq On : 23 Sep 2019 10:05
Operator : SY/MD
Sample : VSTD2.501
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.561

Quant Time: Sep 23 11:23:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
Quant Title : VOC Analysis
QLast Update : Mon Sep 23 11:20:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	749592	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	735606	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	384544	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	30732	2.90	ug/L	0.00
7) Chloroethane-d5	1.58	69	24831	2.84	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	52240	2.94	ug/L	0.00
20) 2-Butanone-d5	3.96	46	13989	3.87	ug/L	0.00
24) Chloroform-d	4.40	84	54404	3.05	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	31161	3.12	ug/L	0.00
29) Benzene-d6	5.10	84	106829	2.85	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	33652	2.94	ug/L	0.00
37) Toluene-d8	7.36	98	89806	2.64	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	12560	2.64	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	8881	4.07	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	29054	2.76	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	40344	3.05	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	16673	2.010 ug/L	95
3) Chloromethane	1.25	50	26424	2.440 ug/L	97
5) Vinyl chloride	1.32	62	25238	2.344 ug/L	94
6) Bromomethane	1.54	94	15525	2.367 ug/L	99
8) Chloroethane	1.60	64	15273	2.267 ug/L	97
9) Trichlorofluoromethane	1.77	101	36108	2.530 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	23148	2.574 ug/L	98
12) 1,1-Dichloroethene	2.14	96	20912	2.465 ug/L	86
13) Acetone	2.21	43	20355	4.361 ug/L	99
14) Carbon disulfide	2.32	76	64482	2.388 ug/L	100
15) Methyl Acetate	2.47	43	13071	2.102 ug/L	93
16) Methylene chloride	2.54	84	30618	1.800 ug/L	99
17) Methyl tert-butyl Ether	2.80	73	53071	2.292 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	24364	2.462 ug/L	95
19) 1,1-Dichloroethane	3.23	63	45031	2.526 ug/L	97
21) 2-Butanone	4.05	43	11790	2.205 ug/L	88
22) cis-1,2-Dichloroethene	3.96	96	25871	2.469 ug/L	99
23) Bromochloromethane	4.30	128	12933	2.621 ug/L	94
25) Chloroform	4.43	83	49257	2.735 ug/L	99
27) 1,2-Dichloroethane	5.18	62	31645	2.520 ug/L	97
30) Cyclohexane	4.72	56	34369	2.012 ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	35585	2.384 ug/L	97
32) Carbon tetrachloride	4.88	117	32971	2.469 ug/L	100
34) Benzene	5.15	78	97219	2.341 ug/L	100
35) Trichloroethene	5.96	95	29038	2.571 ug/L	98
36) Methylcyclohexane	6.17	83	39227	2.132 ug/L	97
40) 1,2-Dichloropropane	6.22	63	26058	2.515 ug/L	# 95
41) Bromodichloromethane	6.56	83	32930	2.512 ug/L	97
42) cis-1,3-Dichloropropene	7.07	75	33276	2.158 ug/L	99
43) 4-Methyl-2-pentanone	7.28	43	33363	3.943 ug/L	95

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Quant Title : VOC Analysis
QLast Update : Mon Sep 23 11:20:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	95269	2.170	ug/L	97
45) trans-1,3-Dichloropropene	7.69	75	27186	2.142	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	21346	2.504	ug/L	95
47) Tetrachloroethene	8.02	164	23552	2.555	ug/L	95
49) 2-Hexanone	8.19	43	21981	3.196	ug/L	91
50) Dibromochloromethane	8.29	129	23782	2.460	ug/L	98
51) 1,2-Dibromoethane	8.40	107	19582	2.331	ug/L	99
52) Chlorobenzene	8.92	112	73704	2.509	ug/L	99
53) Ethylbenzene	9.05	91	105678	2.170	ug/L	99
54) m,p-Xylene	9.18	106	37616	2.042	ug/L	99
55) o-xylene	9.59	106	34930	2.012	ug/L	97
56) Styrene	9.60	104	60375	2.007	ug/L	98
57) Isopropylbenzene	9.97	105	93070	2.008	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	24090	2.234	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	20690	2.378	ug/L	97
62) Bromoform	9.77	173	14641	2.411	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	57002	2.423	ug/L	97
64) 1,4-Dichlorobenzene	11.31	146	65100	2.664	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	54233	2.453	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	4310	2.263	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	43995	2.357	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	36879	2.277	ug/L	98
69) Naphthalene	13.55	128	57485	1.754	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	34249	2.175	ug/L	99

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

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```
ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD2.561

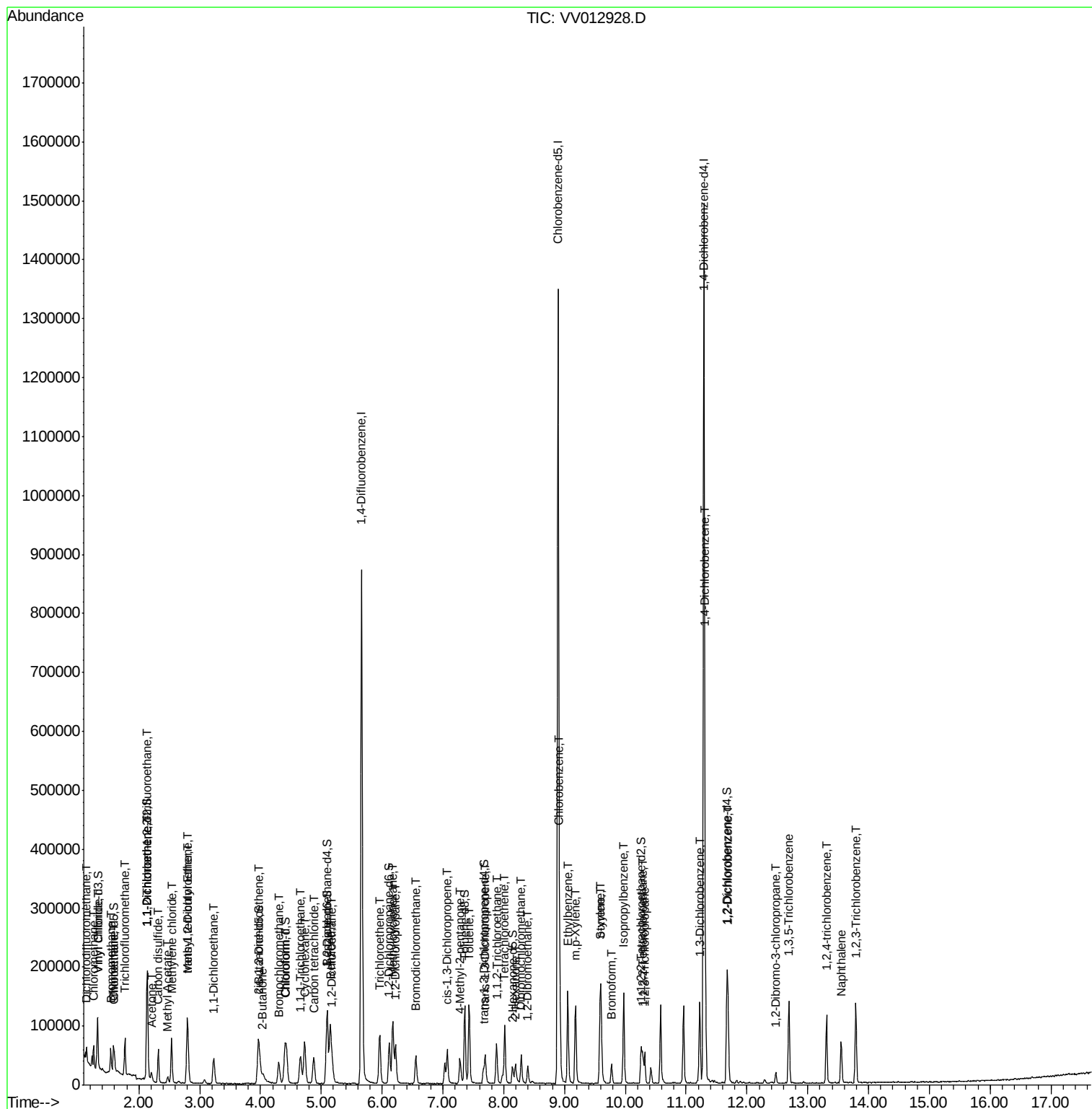
Quant Time: Sep 23 11:23:55 2019

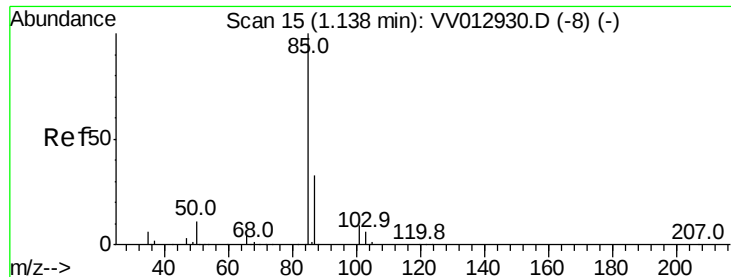
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM092319S.M

Quant Title : VOC Analysis

QLast Update : Mon Sep 23 11:20:02 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 2.010 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV012928.D

Acq: 23 Sep 2019 10:05

Instrument :

MSVOA_V

ClientSampleId :

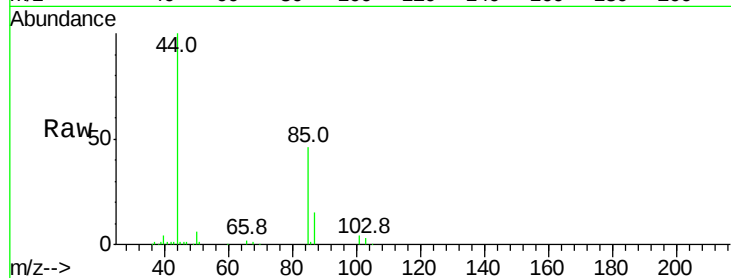
VSTD2.561

Tgt Ion: 85 Resp: 16673

Ion Ratio Lower Upper

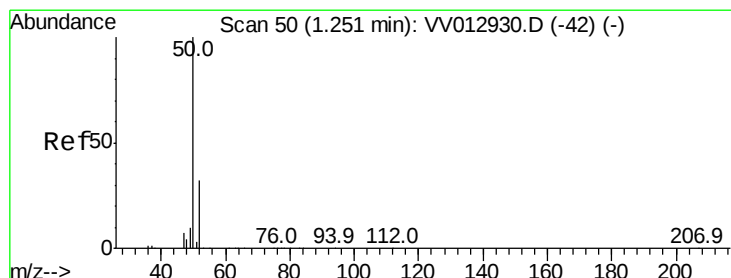
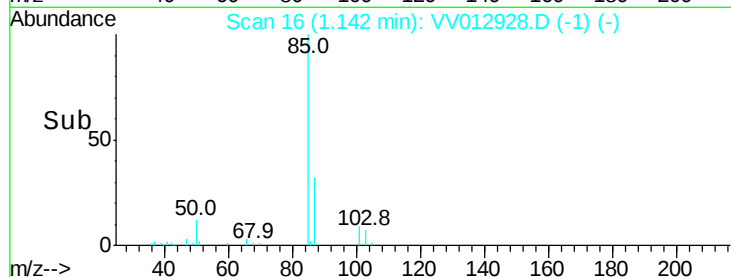
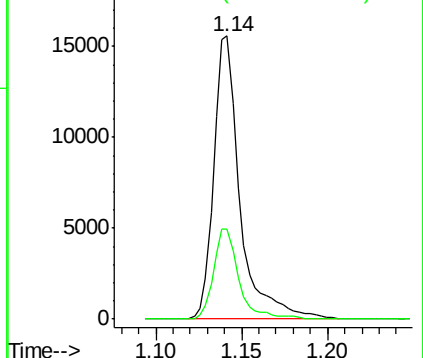
85 100

87 30.0 23.2 43.0



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 2.440 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012928.D

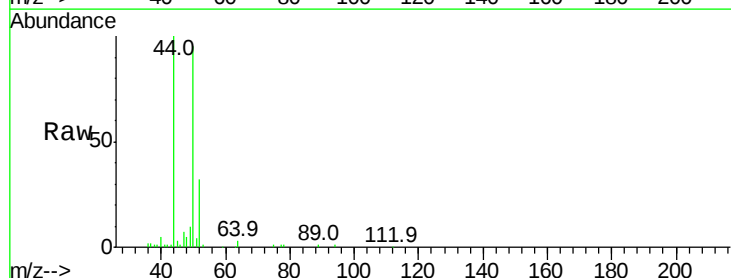
Acq: 23 Sep 2019 10:05

Tgt Ion: 50 Resp: 26424

Ion Ratio Lower Upper

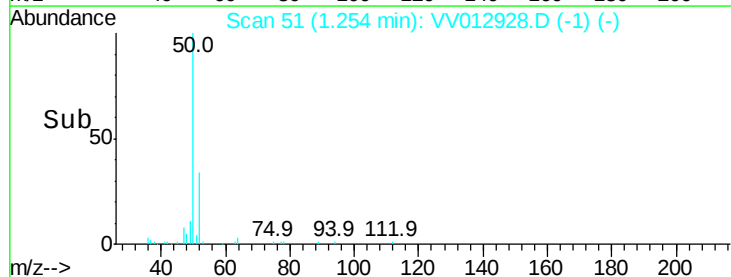
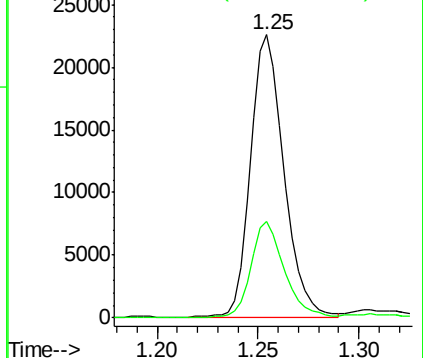
50 100

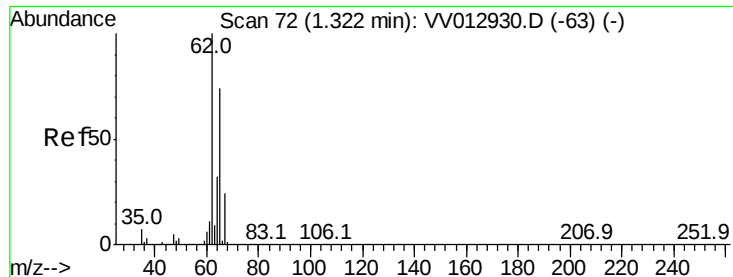
52 34.1 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 2.344 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012928.D

Acq: 23 Sep 2019 10:05

Instrument :

MSVOA_V

ClientSampleId :

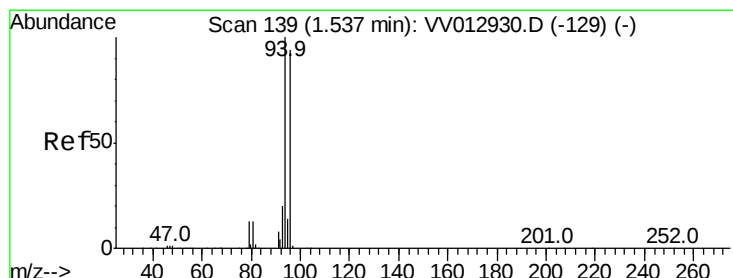
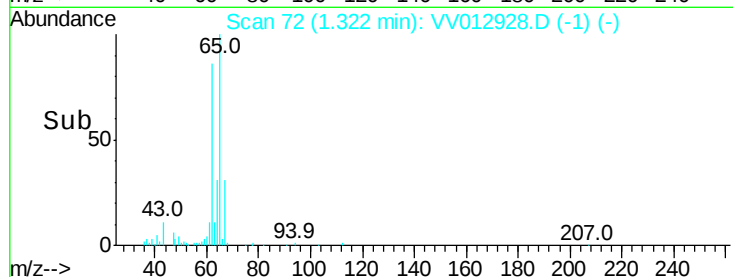
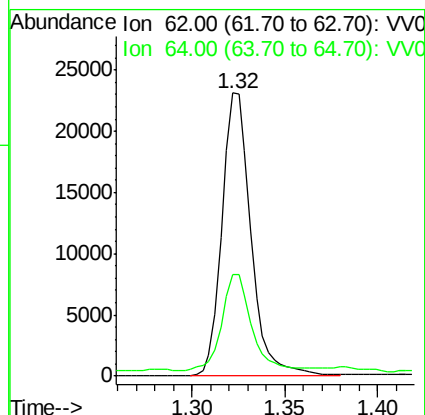
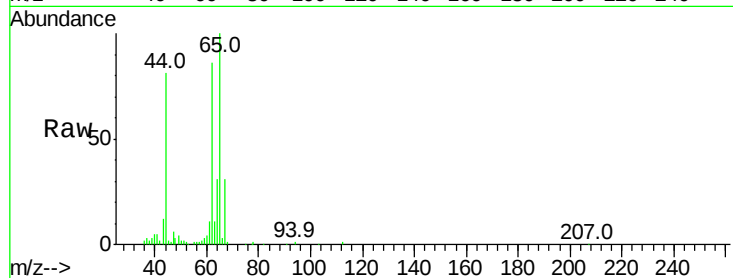
VSTD2.561

Tgt Ion: 62 Resp: 25238

Ion Ratio Lower Upper

62 100

64 35.9 22.7 42.1



#6

Bromomethane

Concen: 2.367 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012928.D

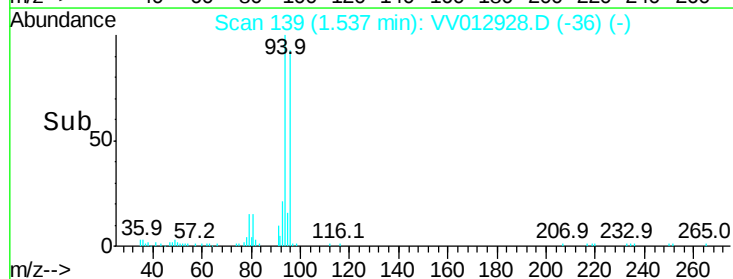
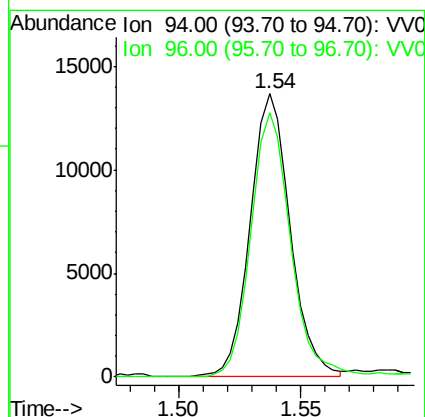
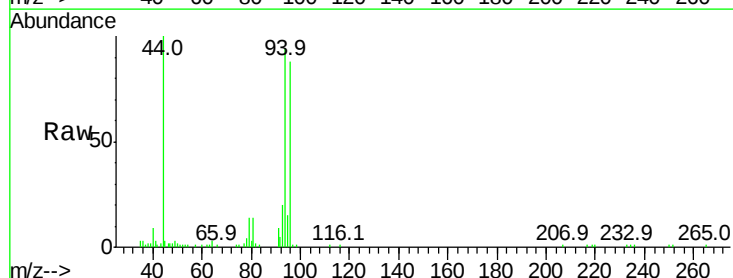
Acq: 23 Sep 2019 10:05

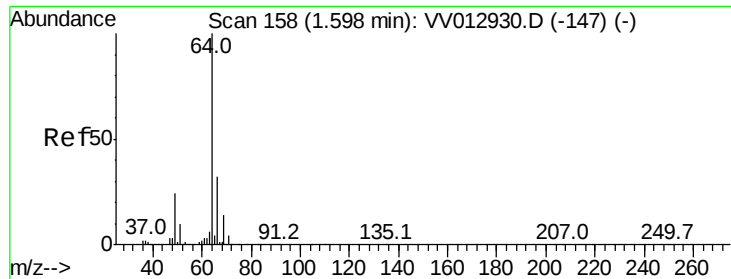
Tgt Ion: 94 Resp: 15525

Ion Ratio Lower Upper

94 100

96 92.3 9.4 177.8





#8

Chloroethane

Concen: 2.267 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV012928.D

Acq: 23 Sep 2019 10:05

Instrument :

MSVOA_V

ClientSampleId :

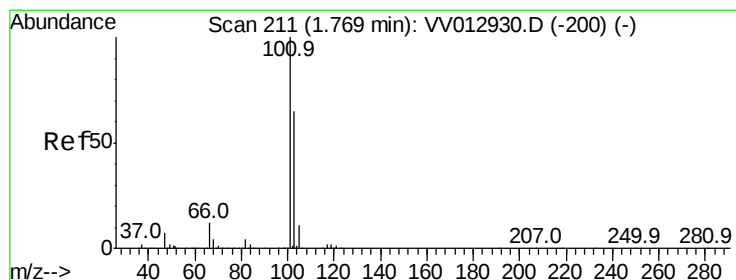
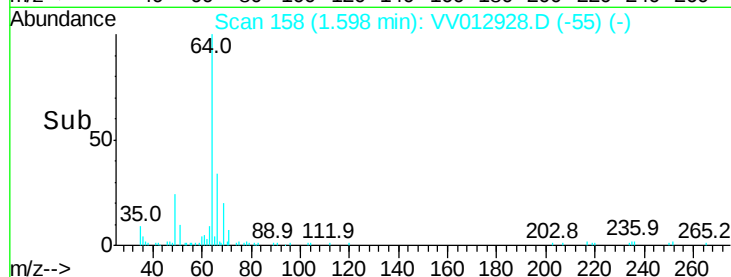
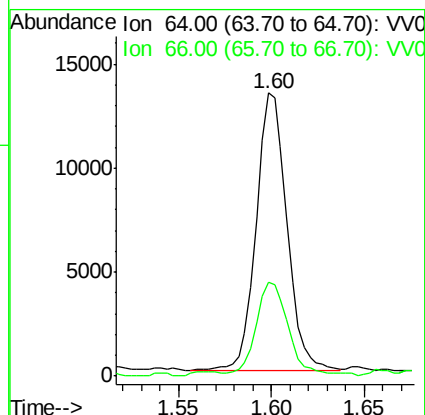
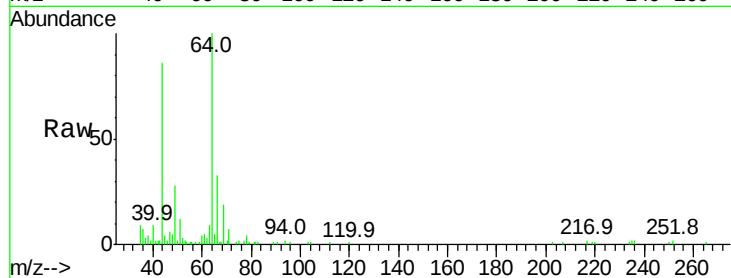
VSTD2.561

Tgt Ion: 64 Resp: 15273

Ion Ratio Lower Upper

64 100

66 33.2 22.2 41.2



#9

Trichlorofluoromethane

Concen: 2.530 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV012928.D

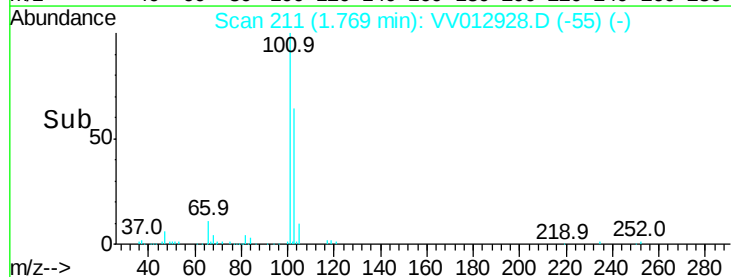
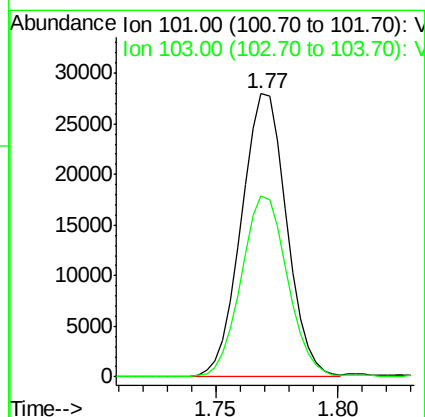
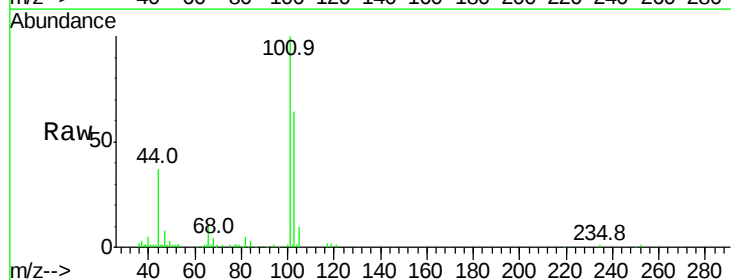
Acq: 23 Sep 2019 10:05

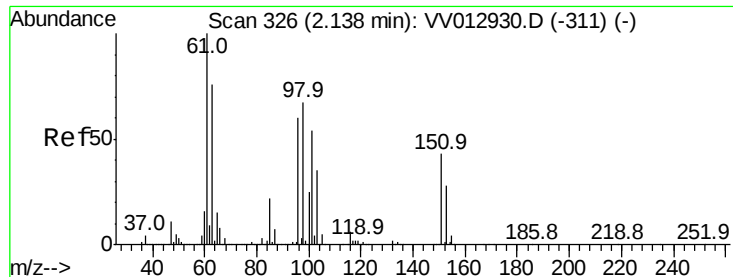
Tgt Ion: 101 Resp: 36108

Ion Ratio Lower Upper

101 100

103 64.9 45.1 83.9





#11

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

Concen: 2.574 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012928.D

Acq: 23 Sep 2019 10:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.561

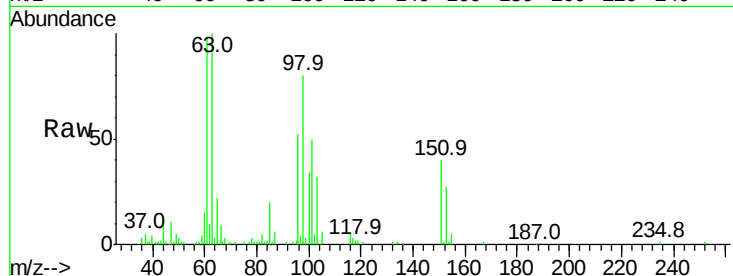
Tgt Ion: 101 Resp: 23148

Ion Ratio Lower Upper

101 100

85 40.3 32.6 49.0

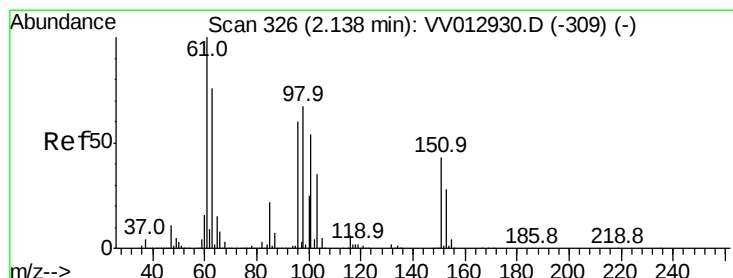
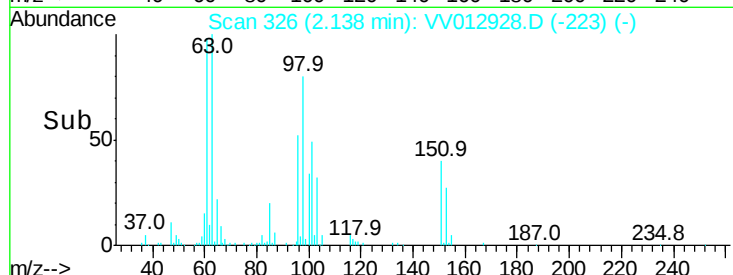
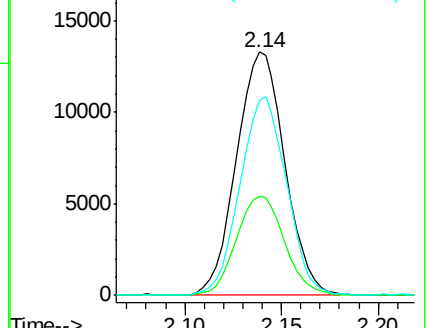
151 78.5 64.2 96.4



Abundance Ion 101.00 (100.70 to 101.70): VV012928.D (-223) (-)

Ion 85.00 (84.70 to 85.70): VV012928.D (-223) (-)

Ion 151.00 (150.70 to 151.70): VV012928.D (-223) (-)



#12

1,1-Dichloroethene

Concen: 2.465 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012928.D

Acq: 23 Sep 2019 10:05

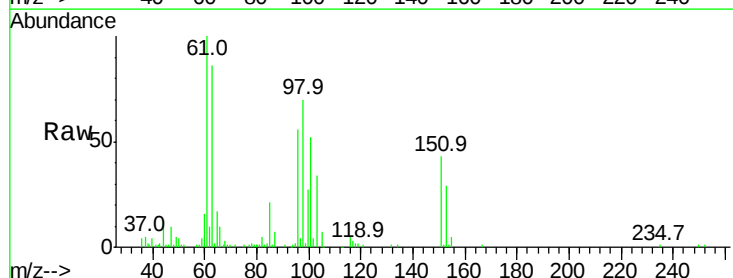
Tgt Ion: 96 Resp: 20912

Ion Ratio Lower Upper

96 100

61 178.7 117.2 217.8

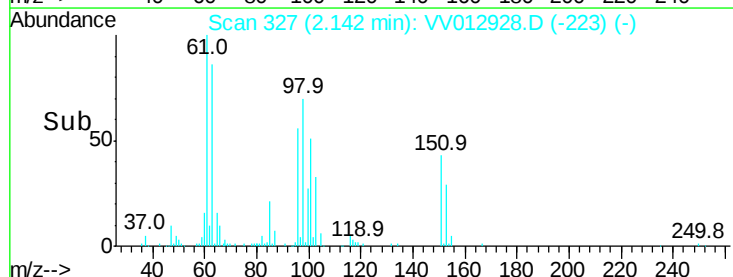
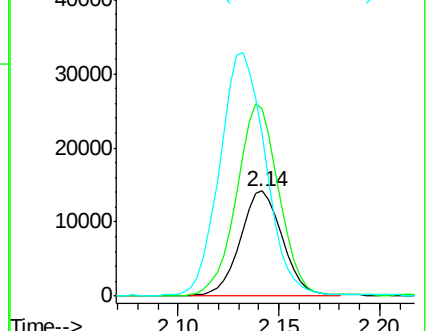
63 153.7 89.6 166.4

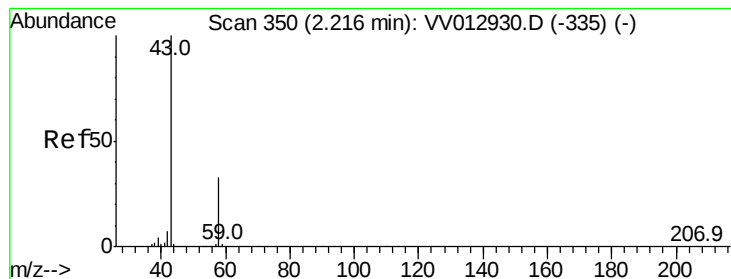


Abundance Ion 96.00 (95.70 to 96.70): VV012928.D (-223) (-)

Ion 61.00 (60.70 to 61.70): VV012928.D (-223) (-)

Ion 63.00 (62.70 to 63.70): VV012928.D (-223) (-)





#13

Acetone

Concen: 4.361 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.01 min

Lab File: VV012928.D

Acq: 23 Sep 2019 10:05

Instrument :

MSVOA_V

ClientSampleId :

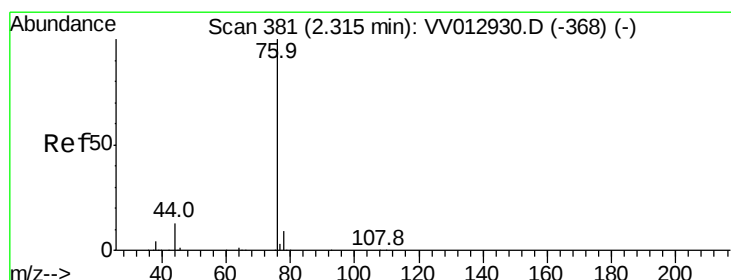
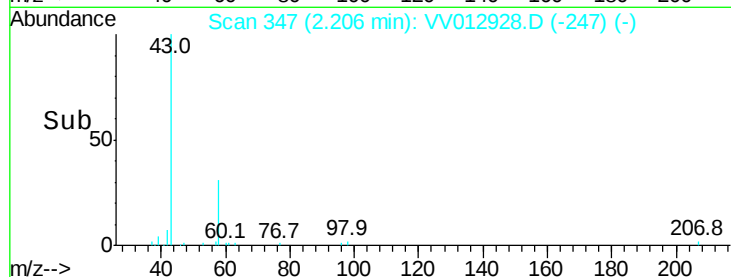
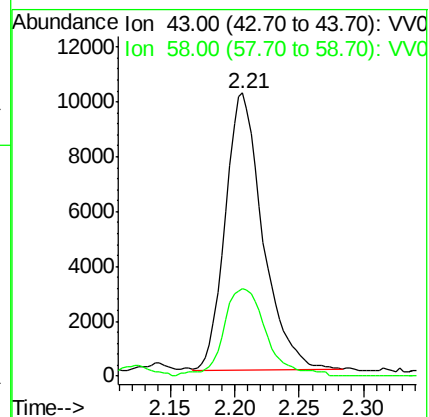
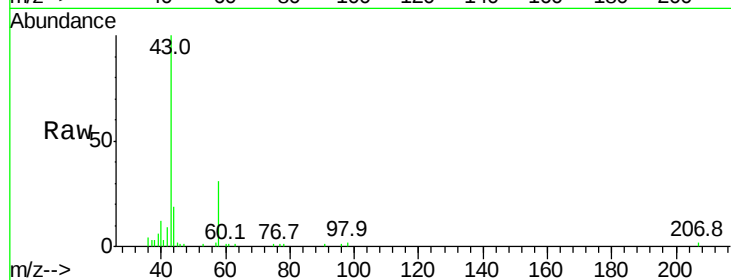
VSTD2.561

Tgt Ion: 43 Resp: 20355

Ion Ratio Lower Upper

43 100

58 31.9 0.0 65.0



#14

Carbon disulfide

Concen: 2.388 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV012928.D

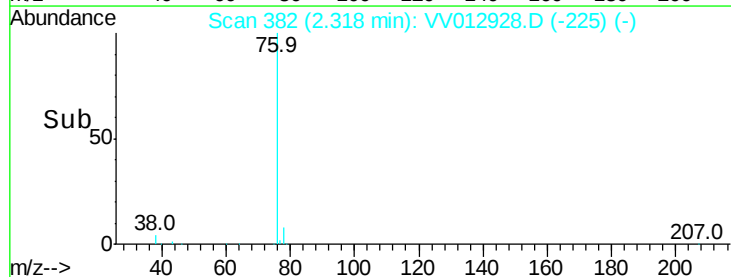
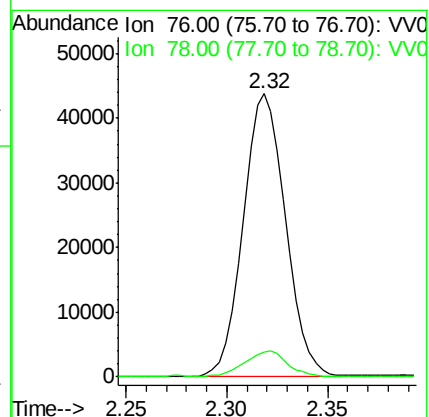
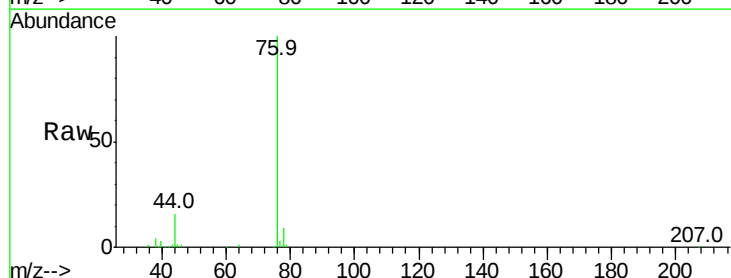
Acq: 23 Sep 2019 10:05

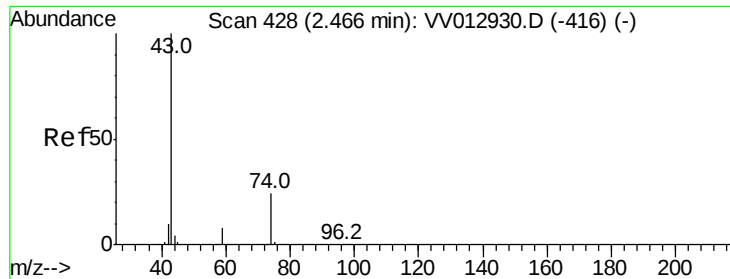
Tgt Ion: 76 Resp: 64482

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

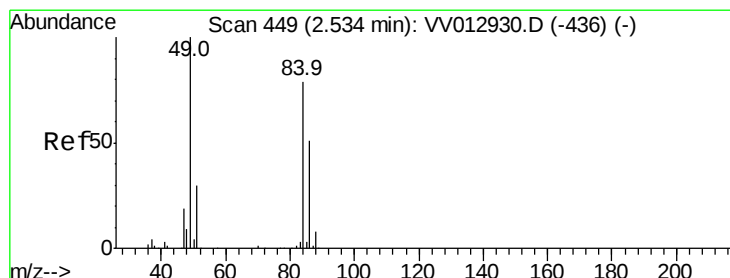
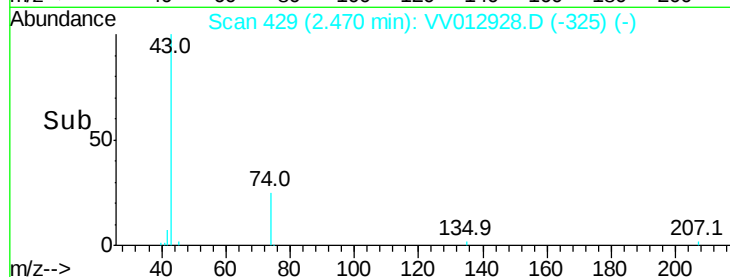
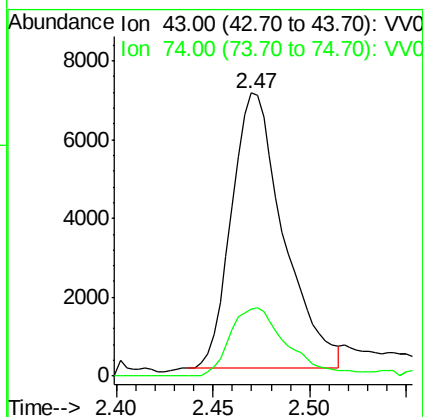
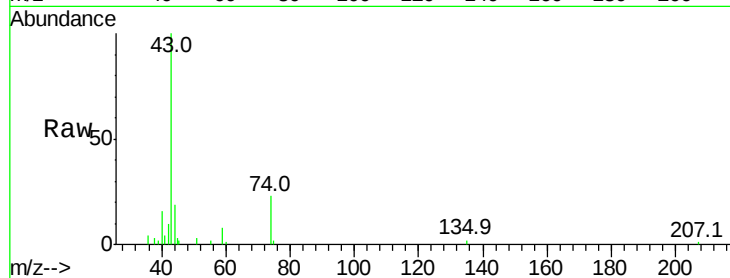




#15
Methyl Acetate
Concen: 2.102 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.00 min
Lab File: VV012928.D
Acq: 23 Sep 2019 10:05

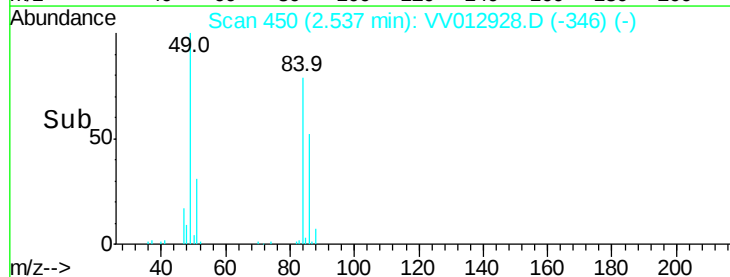
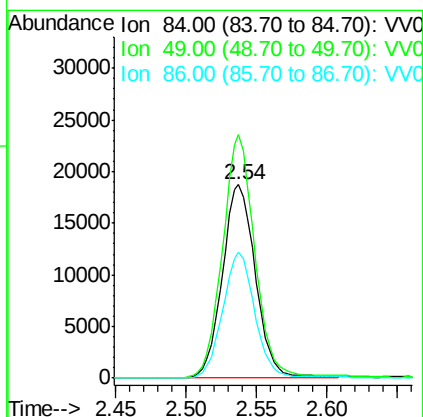
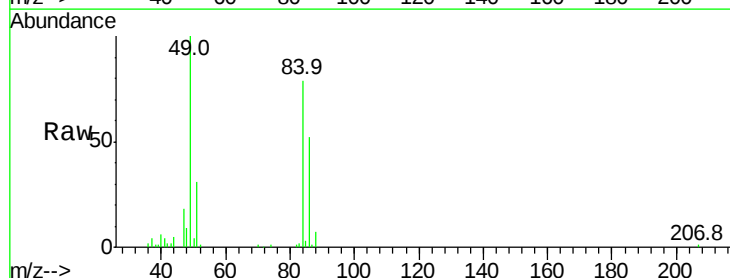
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.561

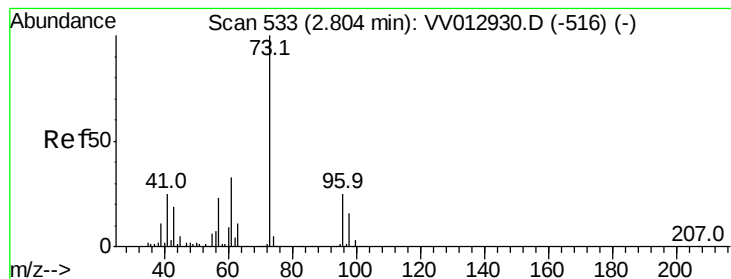
Tgt Ion: 43 Resp: 13071
Ion Ratio Lower Upper
43 100
74 27.0 18.8 28.2



#16
Methylene chloride
Concen: 1.800 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV012928.D
Acq: 23 Sep 2019 10:05

Tgt Ion: 84 Resp: 30618
Ion Ratio Lower Upper
84 100
49 126.0 88.3 164.1
86 65.4 44.9 83.3





#17

Methyl tert-butyl Ether

Concen: 2.292 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV012928.D

Acq: 23 Sep 2019 10:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.561

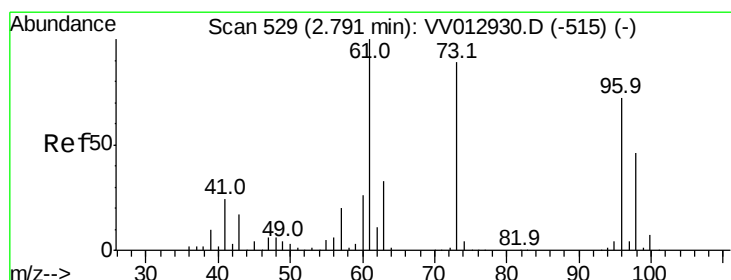
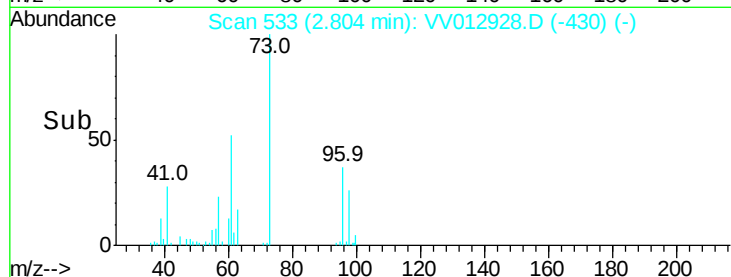
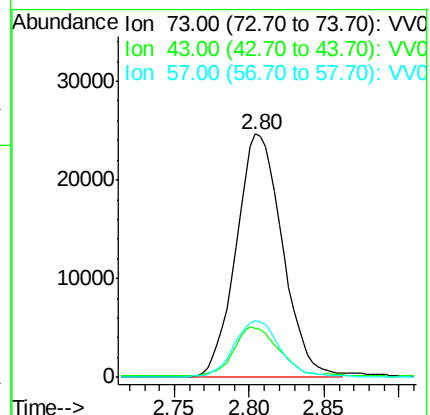
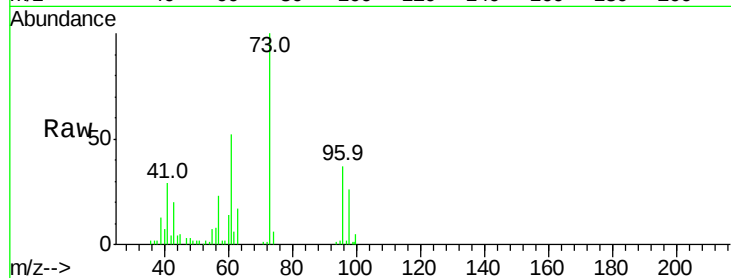
Tgt Ion: 73 Resp: 53071

Ion Ratio Lower Upper

73 100

43 19.5 15.0 22.6

57 23.2 18.3 27.5



#18

trans-1,2-Dichloroethene

Concen: 2.462 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV012928.D

Acq: 23 Sep 2019 10:05

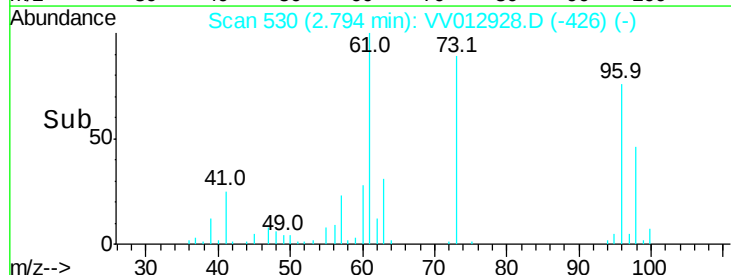
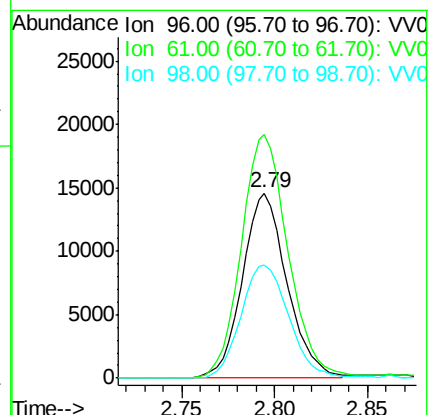
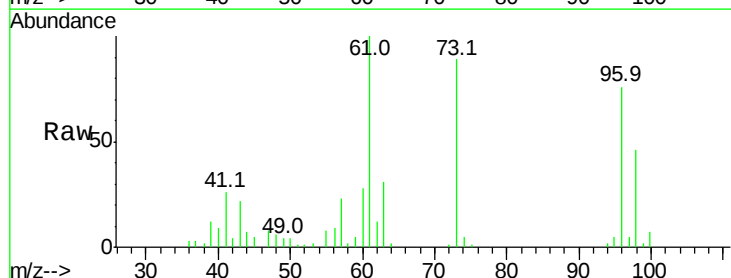
Tgt Ion: 96 Resp: 24364

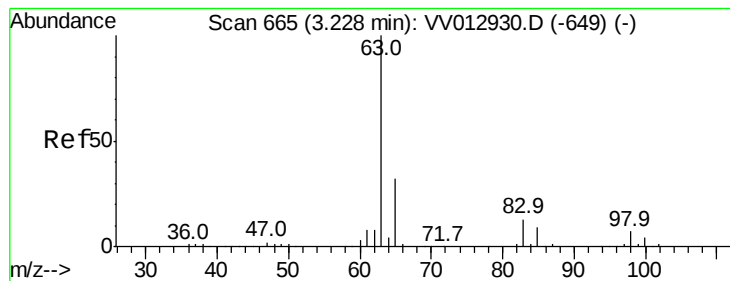
Ion Ratio Lower Upper

96 100

61 131.7 96.8 179.8

98 61.2 44.8 83.2





#19

1,1-Dichloroethane

Concen: 2.526 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV012928.D

Acq: 23 Sep 2019 10:05

Instrument :

MSVOA_V

ClientSampled :

VSTD2.561

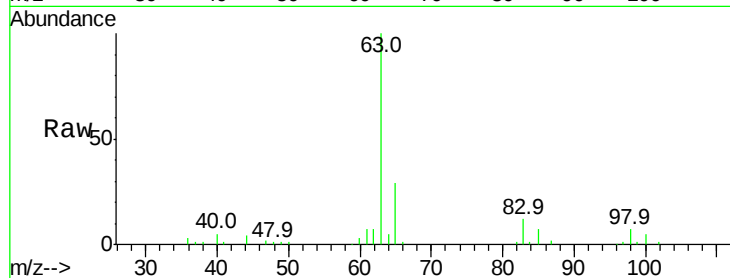
Tgt Ion: 63 Resp: 45031

Ion Ratio Lower Upper

63 100

65 29.5 22.0 41.0

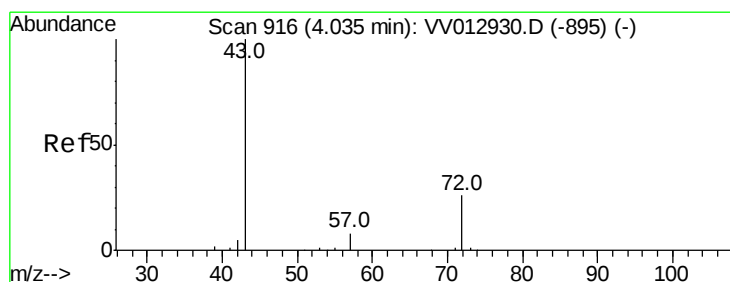
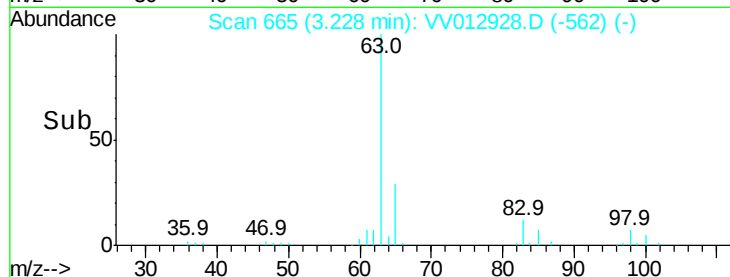
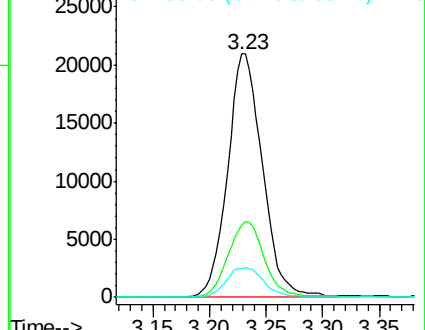
83 11.9 9.2 17.0



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#21

2-Butanone

Concen: 2.205 ug/L

RT: 4.05 min Scan# 920

Delta R.T. 0.01 min

Lab File: VV012928.D

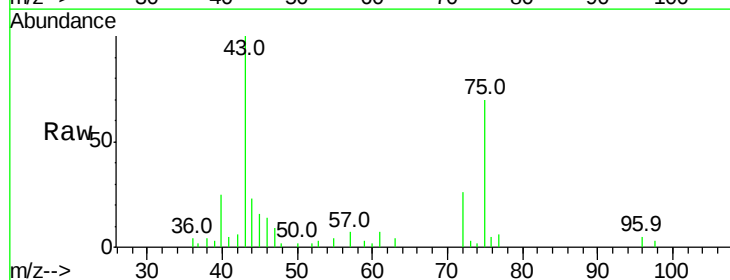
Acq: 23 Sep 2019 10:05

Tgt Ion: 43 Resp: 11790

Ion Ratio Lower Upper

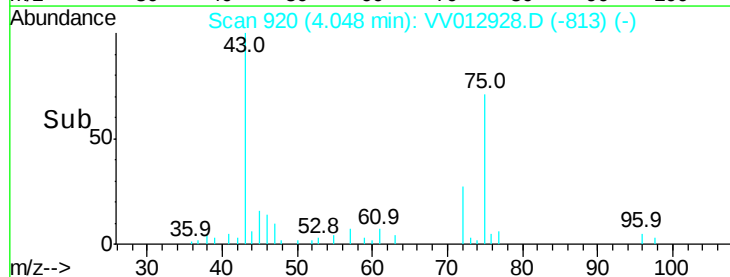
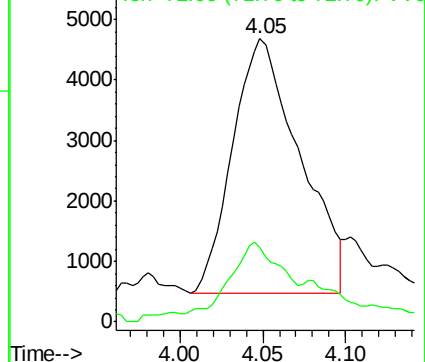
43 100

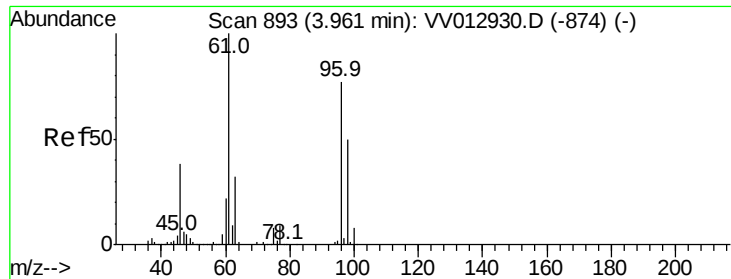
72 17.9 11.9 35.9



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0



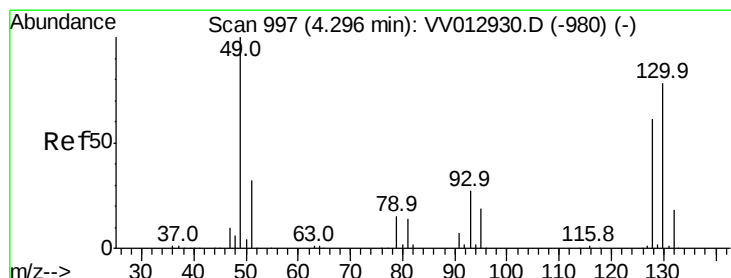
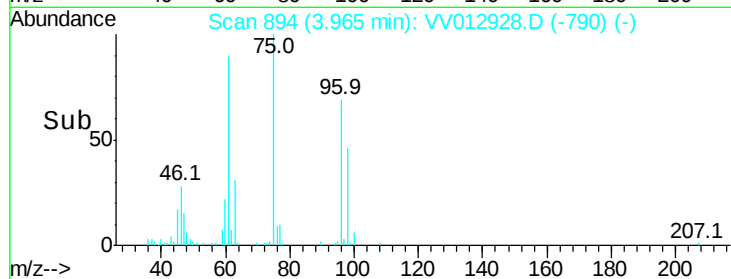
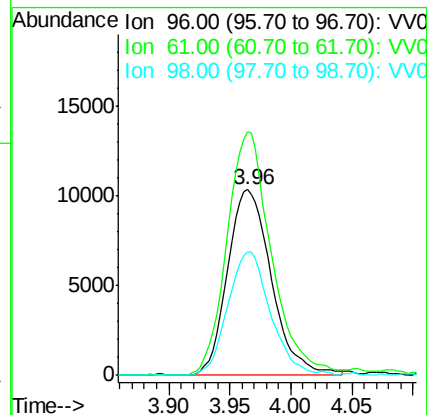
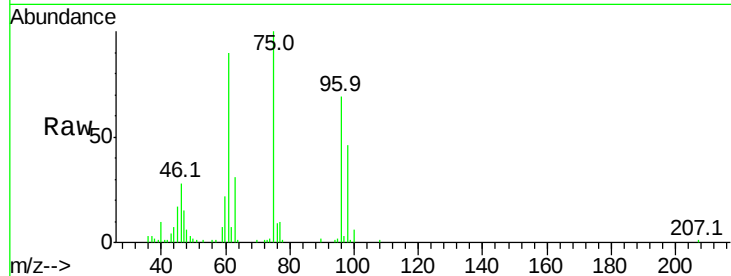


#22

cis-1,2-Dichloroethene
Concen: 2.469 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.00 min
Lab File: VV012928.D
Acq: 23 Sep 2019 10:05

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.561

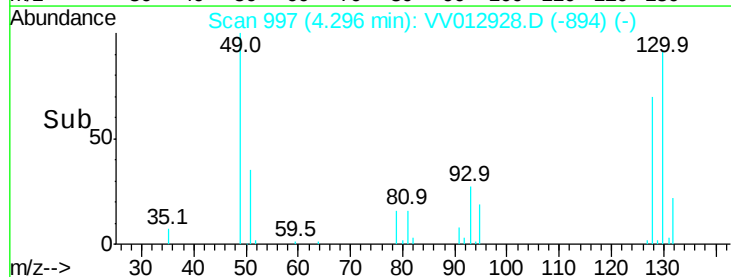
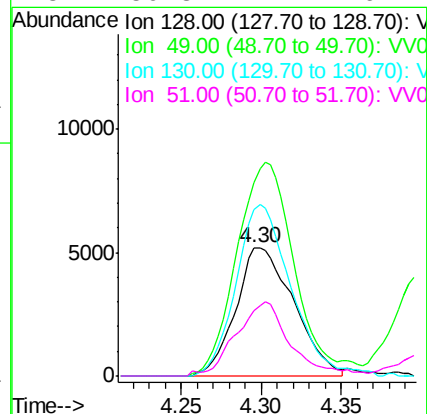
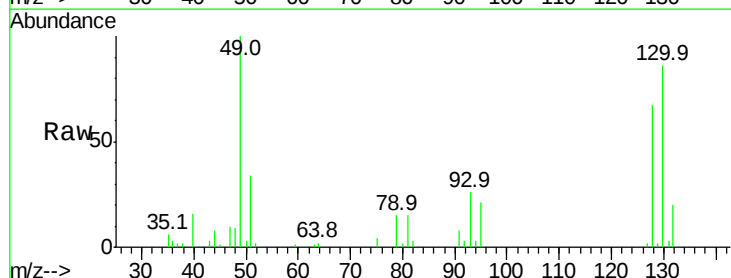
Tgt Ion: 96 Resp: 25871
Ion Ratio Lower Upper
96 100
61 131.2 90.9 168.7
98 66.2 45.6 84.6

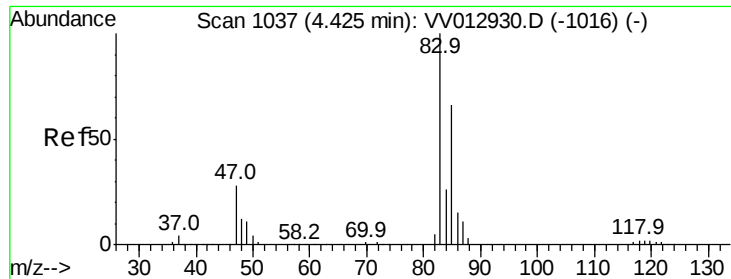


#23

Bromochloromethane
Concen: 2.621 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV012928.D
Acq: 23 Sep 2019 10:05

Tgt Ion: 128 Resp: 12933
Ion Ratio Lower Upper
128 100
49 150.2 114.4 212.6
130 129.7 88.5 164.4
51 50.3 41.4 62.2

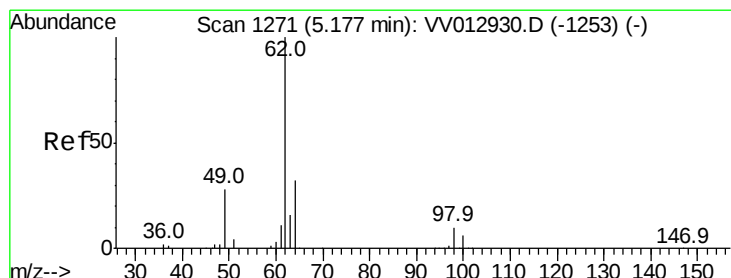
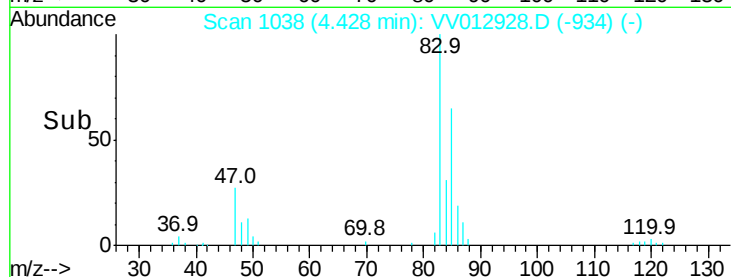
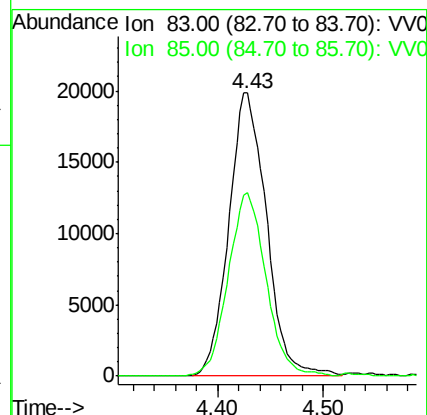
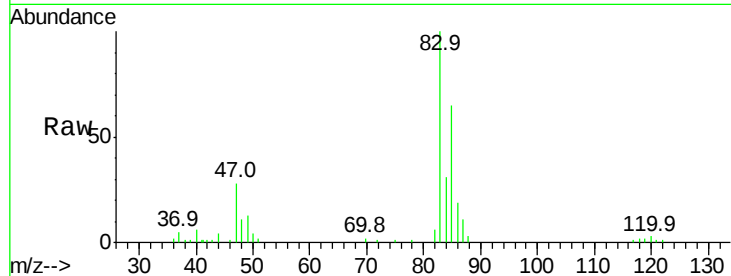




#25
Chloroform
Concen: 2.735 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV012928.D
Acq: 23 Sep 2019 10:05

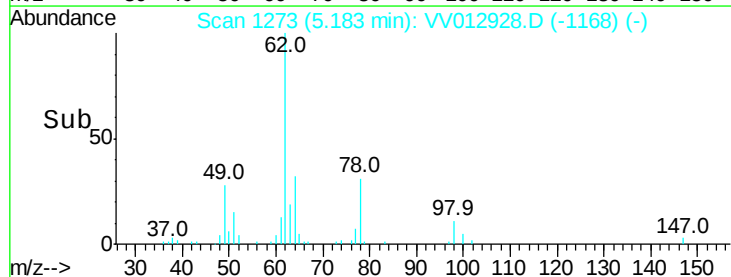
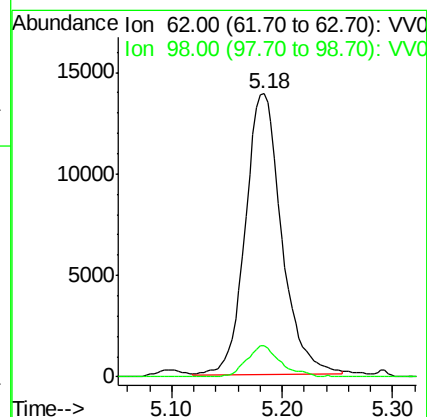
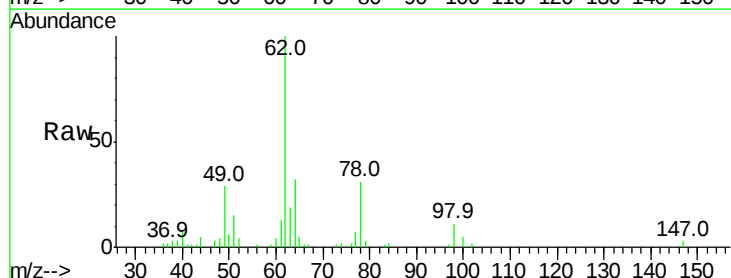
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.561

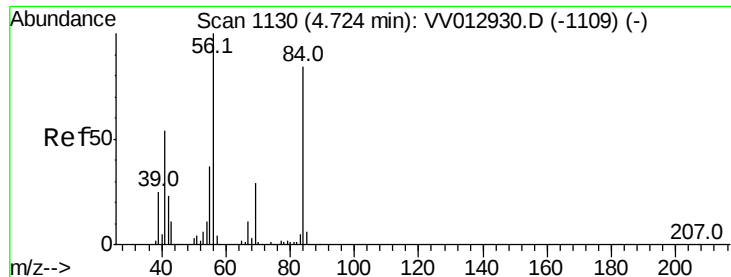
Tgt Ion: 83 Resp: 49257
Ion Ratio Lower Upper
83 100
85 64.5 45.8 85.0



#27
1,2-Dichloroethane
Concen: 2.520 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VV012928.D
Acq: 23 Sep 2019 10:05

Tgt Ion: 62 Resp: 31645
Ion Ratio Lower Upper
62 100
98 11.2 8.2 12.4

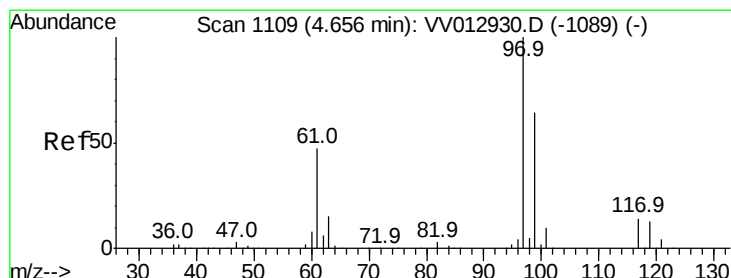
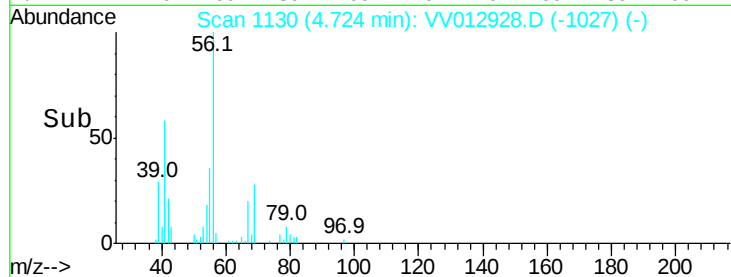
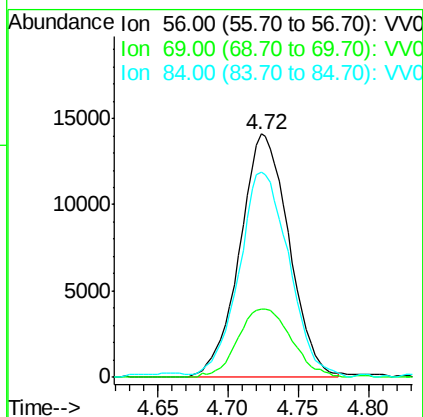
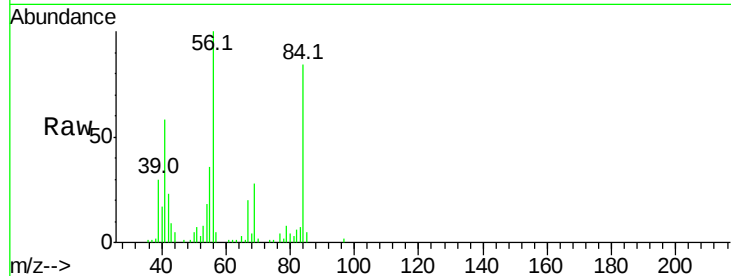




#30
Cyclohexane
Concen: 2.012 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV012928.D
Acq: 23 Sep 2019 10:05

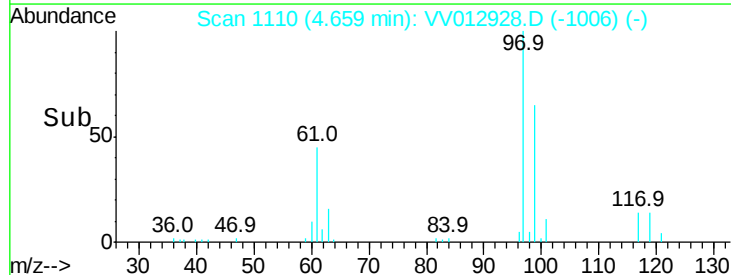
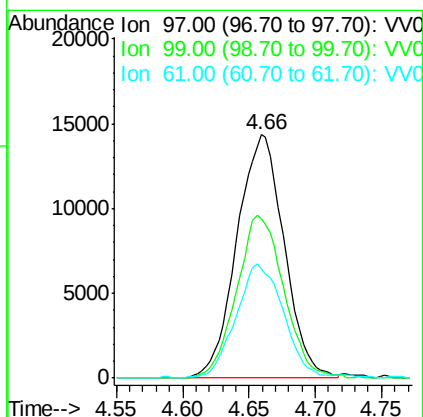
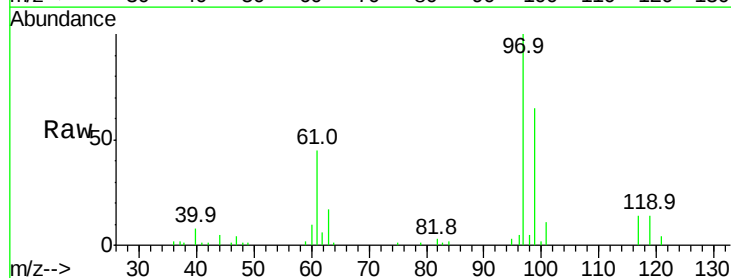
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.561

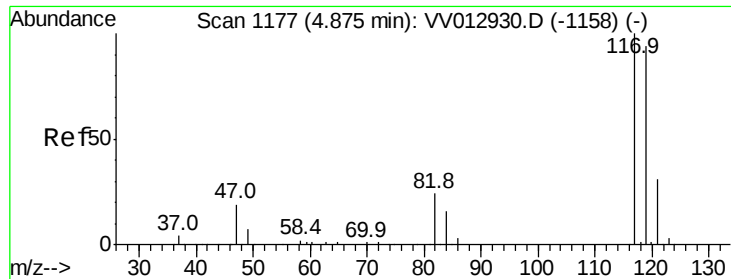
Tgt Ion: 56 Resp: 34369
Ion Ratio Lower Upper
56 100
69 30.4 23.8 35.8
84 85.9 68.4 102.6



#31
1,1,1-Trichloroethane
Concen: 2.384 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VV012928.D
Acq: 23 Sep 2019 10:05

Tgt Ion: 97 Resp: 35585
Ion Ratio Lower Upper
97 100
99 66.8 51.7 77.5
61 45.7 37.8 56.8



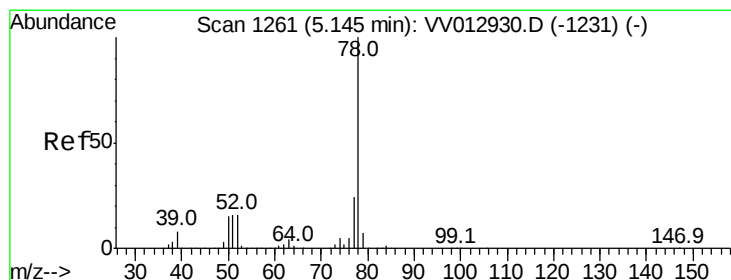
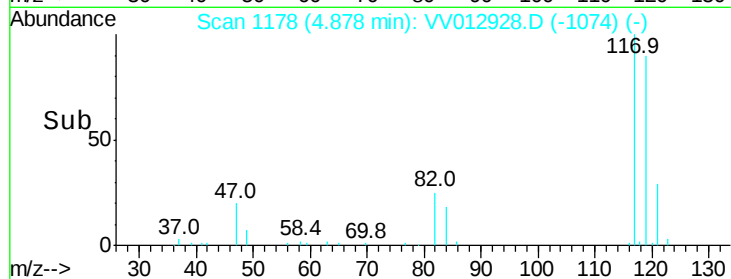
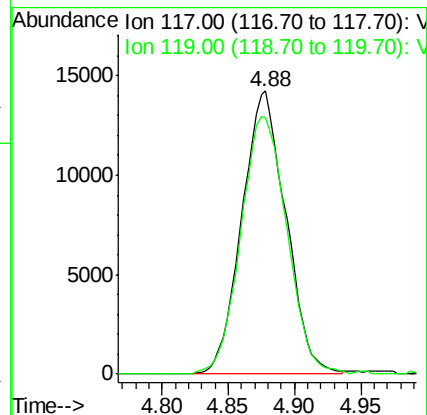
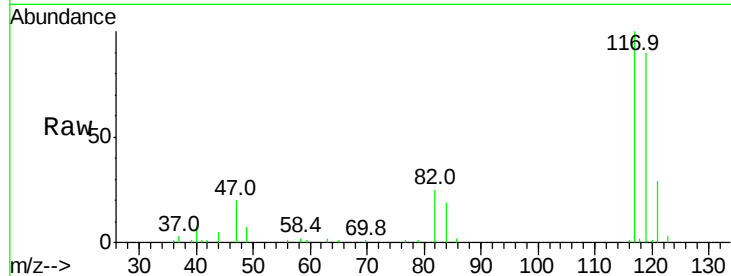


#32

Carbon tetrachloride
Concen: 2.469 ug/L
RT: 4.88 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VV012928.D
Acq: 23 Sep 2019 10:05

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.561

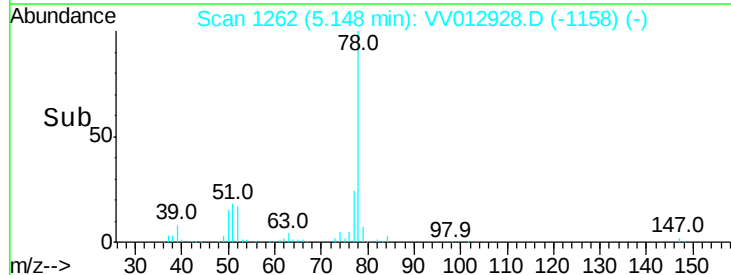
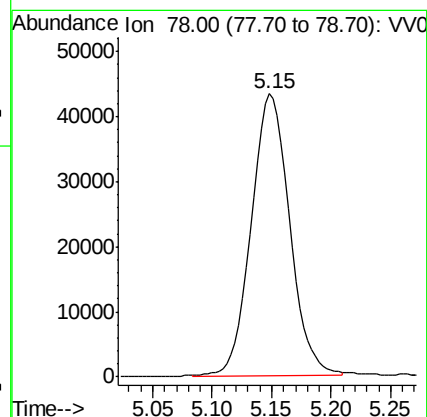
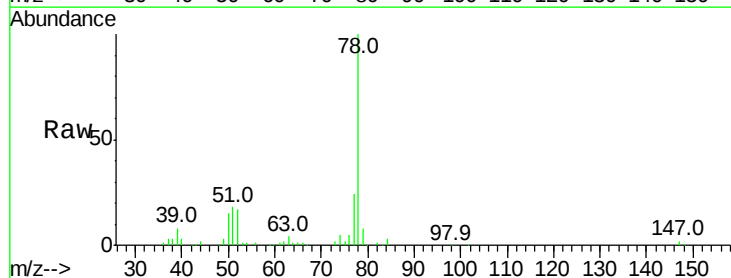
Tgt Ion:117 Resp: 32971
Ion Ratio Lower Upper
117 100
119 95.2 76.0 114.0

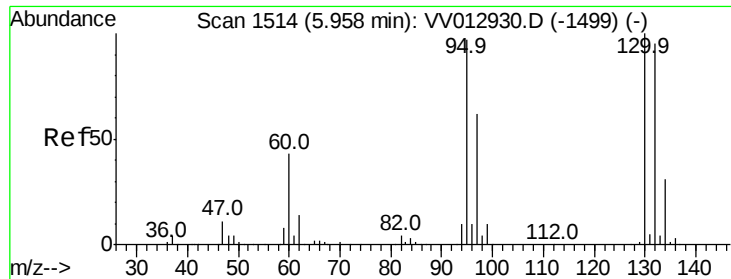


#34

Benzene
Concen: 2.341 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV012928.D
Acq: 23 Sep 2019 10:05

Tgt Ion: 78 Resp: 97219





#35

Trichloroethene

Concen: 2.571 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV012928.D

Acq: 23 Sep 2019 10:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.561

Tgt Ion: 95 Resp: 29038

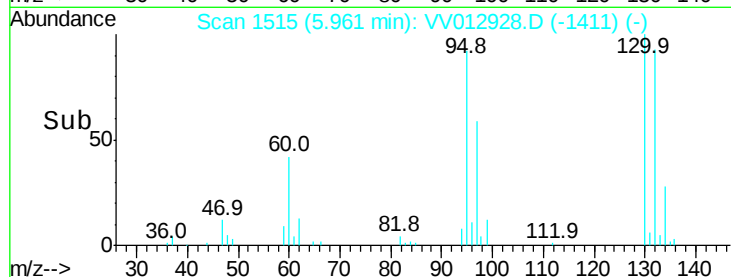
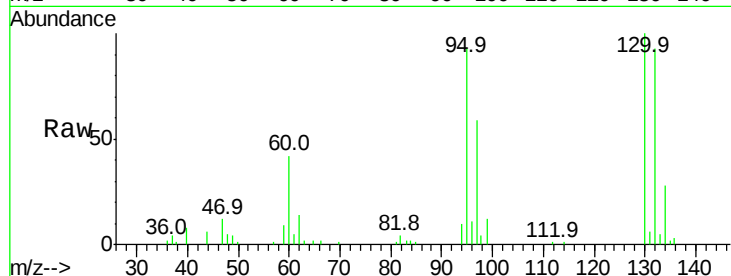
Ion Ratio Lower Upper

95 100

97 64.3 44.7 82.9

132 97.6 70.1 130.1

130 105.8 73.3 136.1

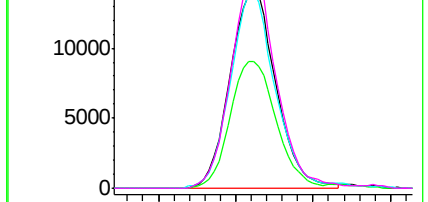


Abundance Ion 95.00 (94.70 to 95.70): VV012928.D (-1411) (-)

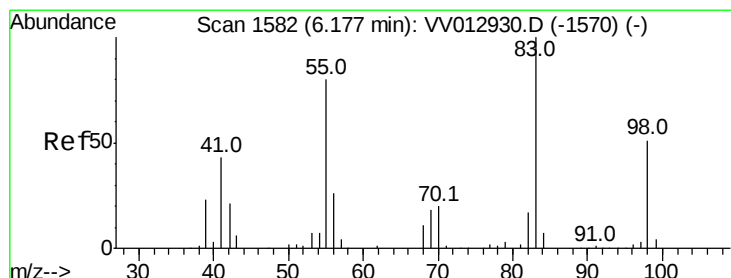
Ion 97.00 (96.70 to 97.70): VV012928.D (-1411) (-)

Ion 132.00 (131.70 to 132.70): VV012928.D (-1411) (-)

Ion 130.00 (129.70 to 130.70): VV012928.D (-1411) (-)



Time-->



#36

Methylcyclohexane

Concen: 2.132 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV012928.D

Acq: 23 Sep 2019 10:05

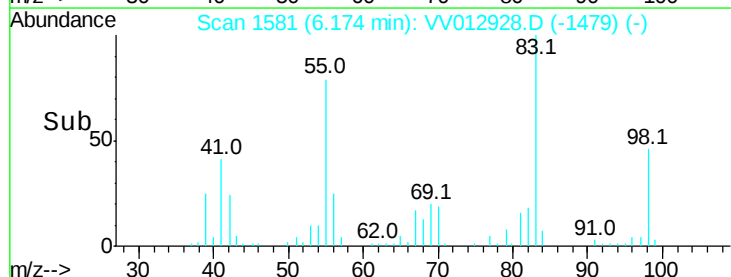
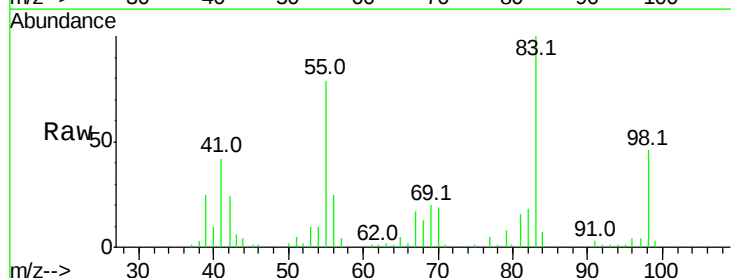
Tgt Ion: 83 Resp: 39227

Ion Ratio Lower Upper

83 100

55 80.8 61.8 92.8

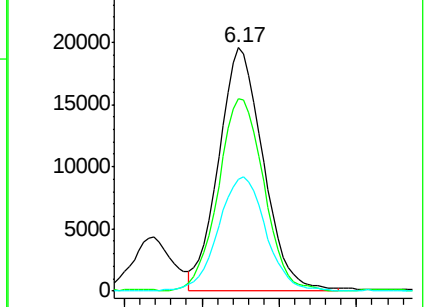
98 50.0 39.3 58.9



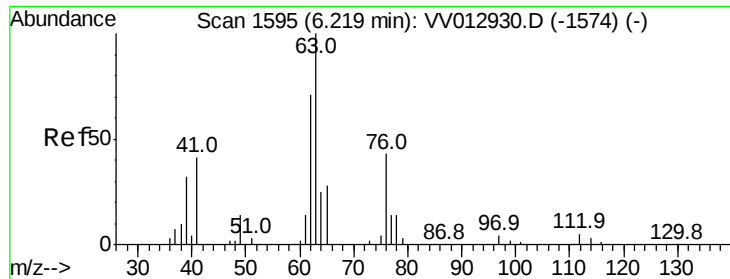
Abundance Ion 83.00 (82.70 to 83.70): VV012928.D (-1479) (-)

Ion 55.00 (54.70 to 55.70): VV012928.D (-1479) (-)

Ion 98.00 (97.70 to 98.70): VV012928.D (-1479) (-)



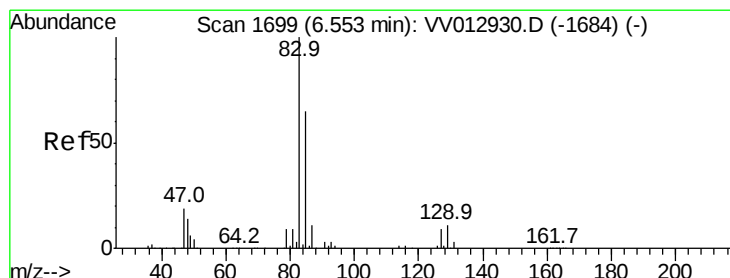
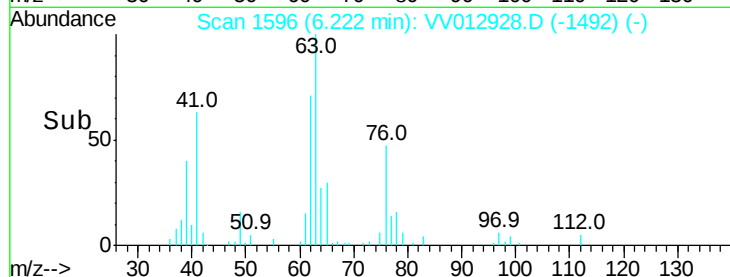
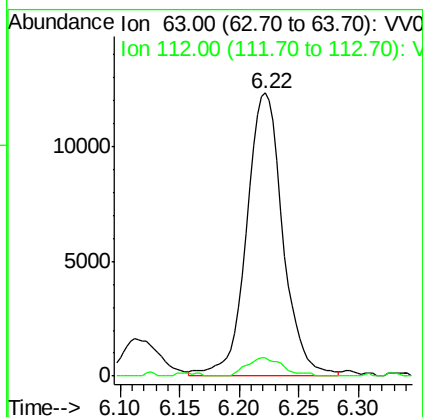
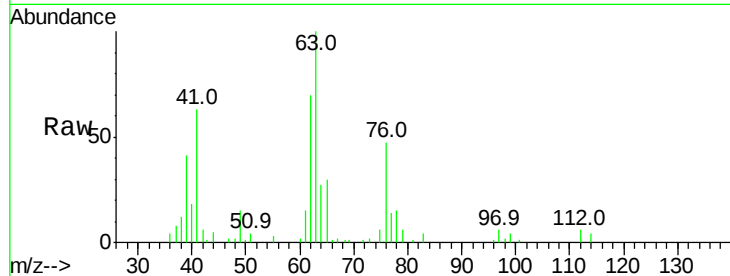
Time-->



#40
 1,2-Dichloropropane
 Concen: 2.515 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV012928.D
 Acq: 23 Sep 2019 10:05

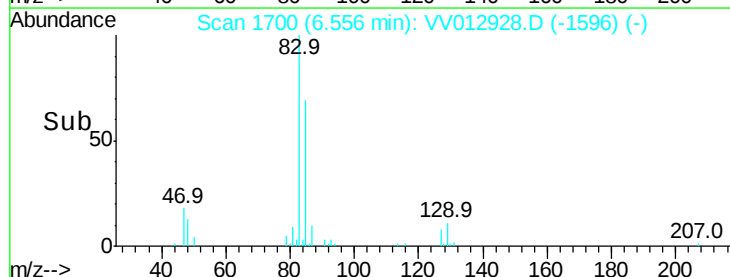
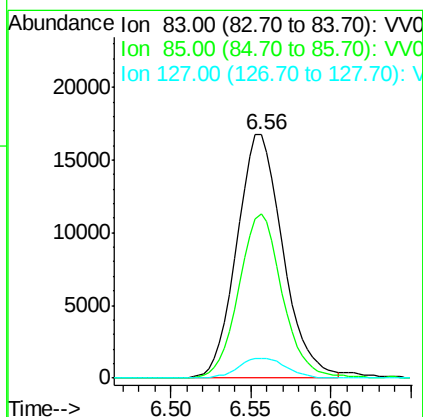
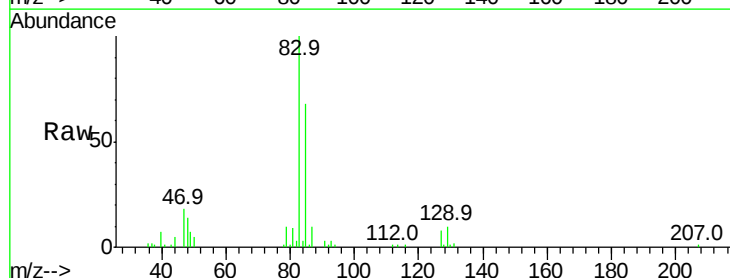
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.561

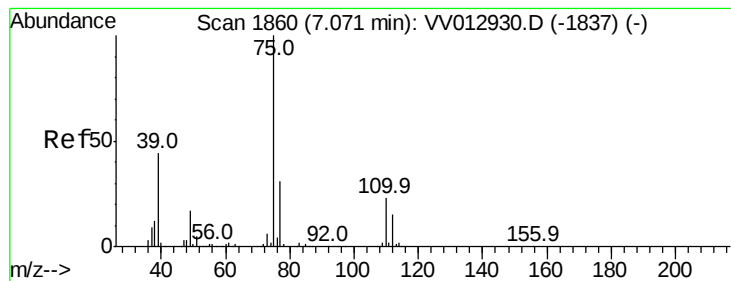
Tgt Ion: 63 Resp: 26058
 Ion Ratio Lower Upper
 63 100
 112 6.3 3.8 5.6#



#41
 Bromodichloromethane
 Concen: 2.512 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV012928.D
 Acq: 23 Sep 2019 10:05

Tgt Ion: 83 Resp: 32930
 Ion Ratio Lower Upper
 83 100
 85 67.5 45.3 84.1
 127 8.0 7.2 10.8



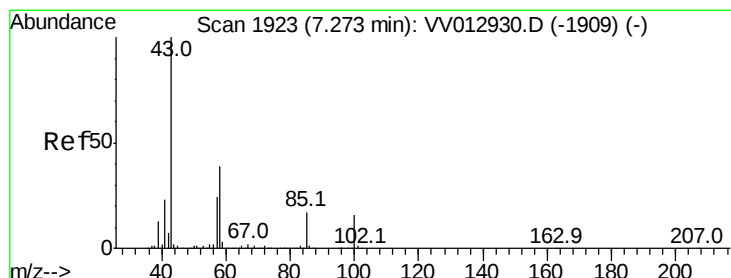
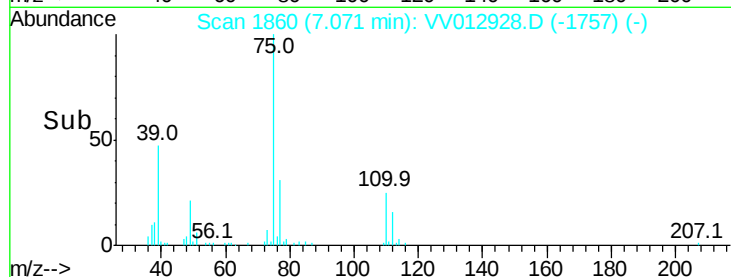
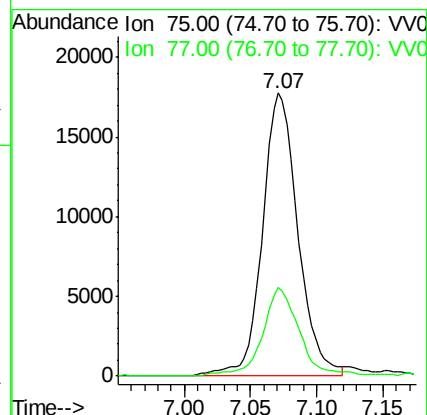
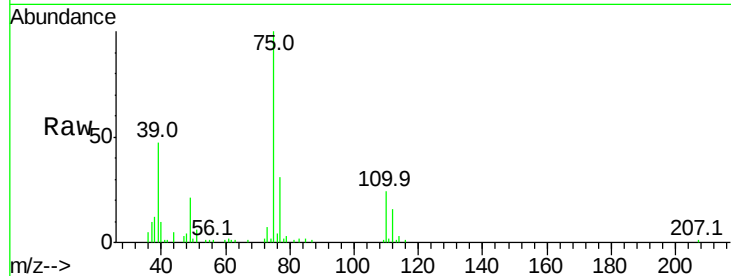


#42

cis-1,3-Dichloropropene
Concen: 2.158 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV012928.D
Acq: 23 Sep 2019 10:05

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.561

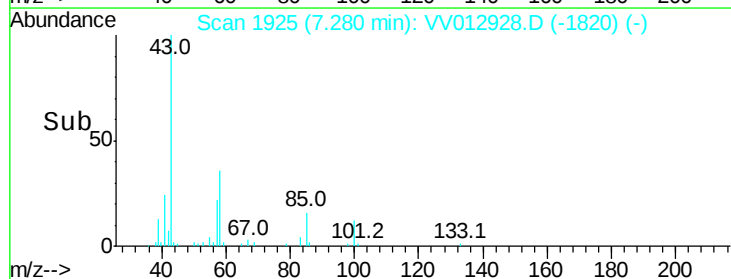
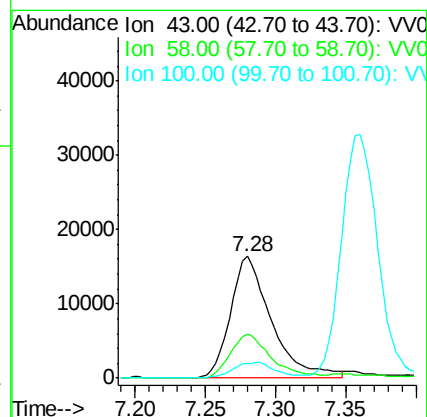
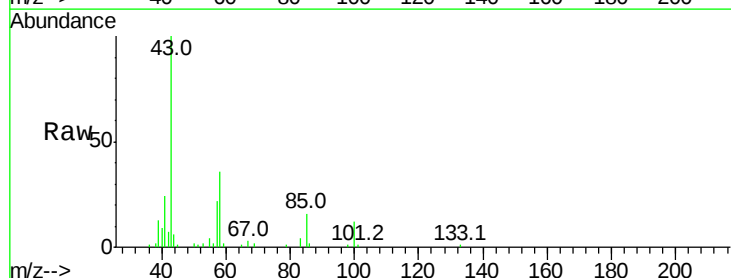
Tgt Ion: 75 Resp: 33276
Ion Ratio Lower Upper
75 100
77 31.2 21.5 39.9

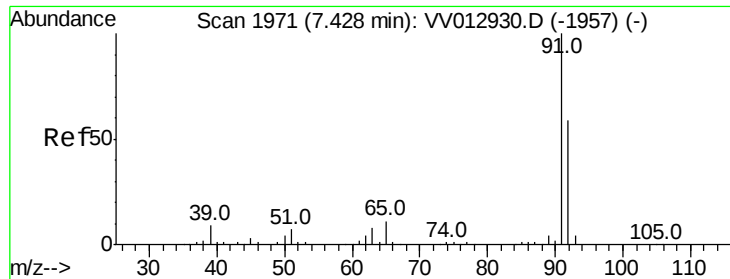


#43

4-Methyl-2-pentanone
Concen: 3.943 ug/L
RT: 7.28 min Scan# 1925
Delta R.T. 0.01 min
Lab File: VV012928.D
Acq: 23 Sep 2019 10:05

Tgt Ion: 43 Resp: 33363
Ion Ratio Lower Upper
43 100
58 36.0 31.2 46.8
100 13.2 12.2 18.2





#44

Toluene

Concen: 2.170 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012928.D

Acq: 23 Sep 2019 10:05

Instrument :

MSVOA_V

ClientSampleId :

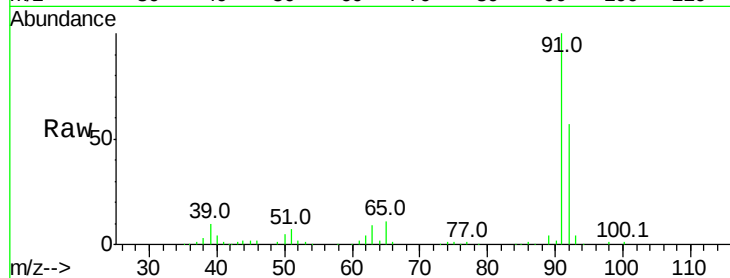
VSTD2.561

Tgt Ion: 91 Resp: 95269

Ion Ratio Lower Upper

91 100

92 56.8 41.3 76.7



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

60000

50000

40000

30000

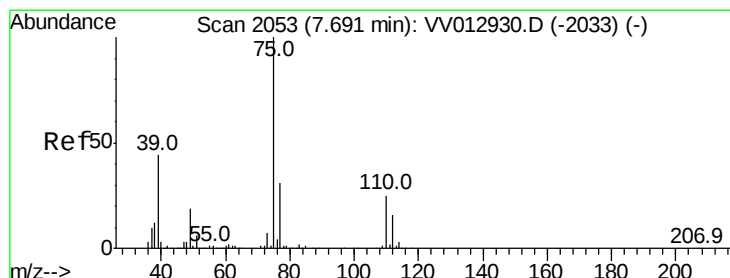
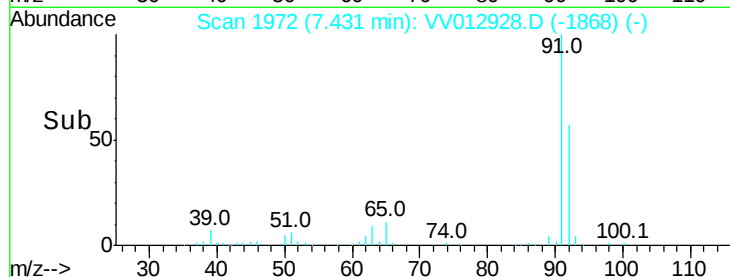
20000

10000

0

7.35 7.40 7.45 7.50

Time-->



#45

trans-1,3-Dichloropropene

Concen: 2.142 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV012928.D

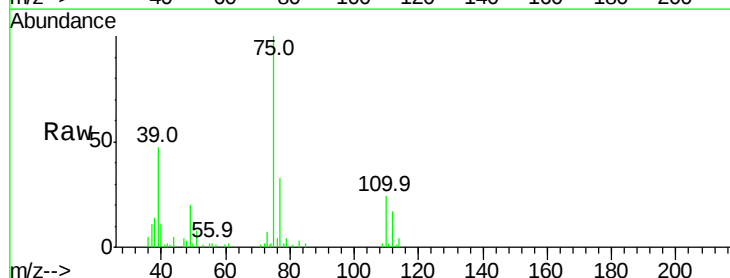
Acq: 23 Sep 2019 10:05

Tgt Ion: 75 Resp: 27186

Ion Ratio Lower Upper

75 100

77 33.0 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

15000

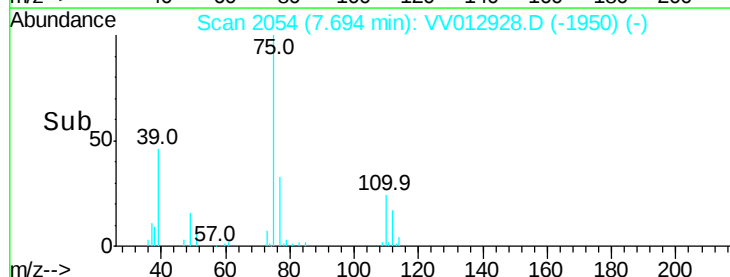
10000

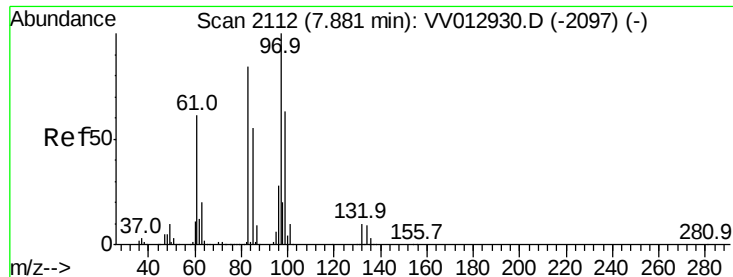
5000

0

7.60 7.65 7.70 7.75

Time-->





#46

1,1,2-Trichloroethane

Concen: 2.504 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VV012928.D

Acq: 23 Sep 2019 10:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.561

Tgt Ion: 97 Resp: 21346

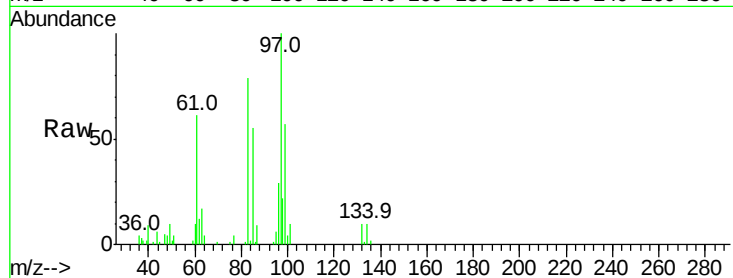
Ion Ratio Lower Upper

97 100

83 78.6 58.9 109.5

85 55.4 38.4 71.2

99 57.4 43.8 81.4

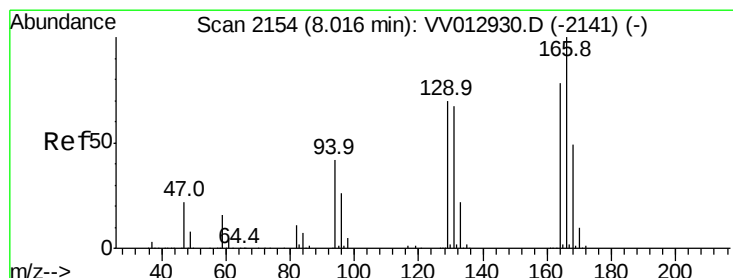
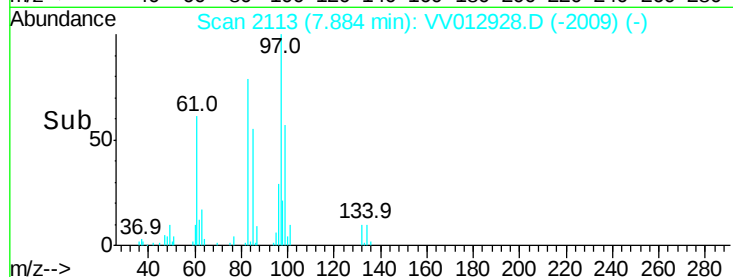
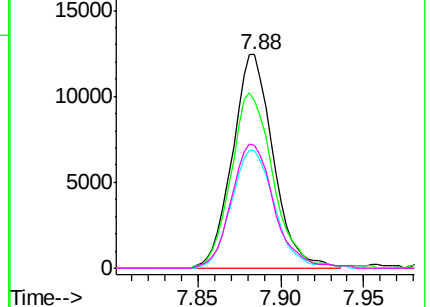


Abundance Ion 97.00 (96.70 to 97.70): VV0

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: 2.555 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV012928.D

Acq: 23 Sep 2019 10:05

Tgt Ion: 164 Resp: 23552

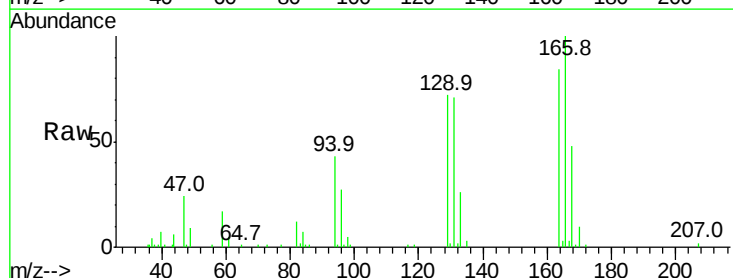
Ion Ratio Lower Upper

164 100

129 85.4 62.8 116.6

131 84.0 60.2 111.8

166 118.9 89.4 166.0

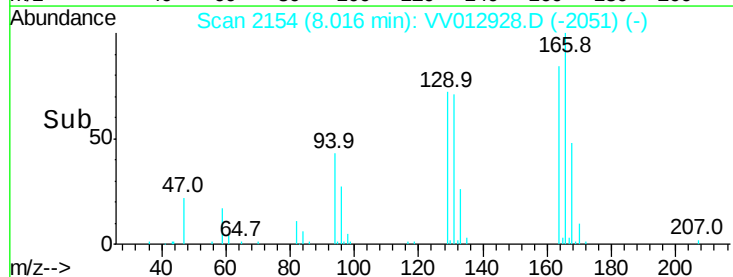
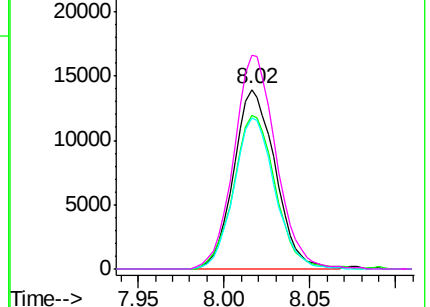


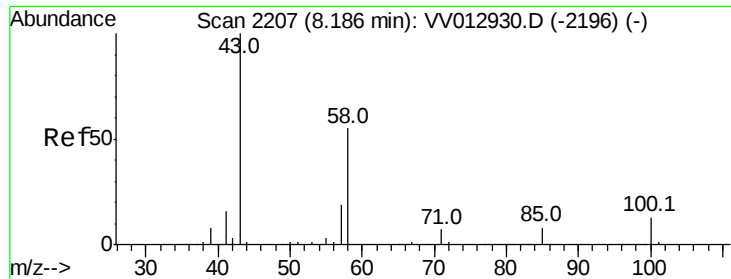
Abundance Ion 164.00 (163.70 to 164.70): V

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

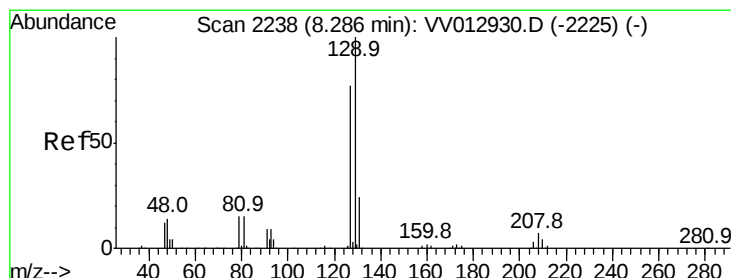
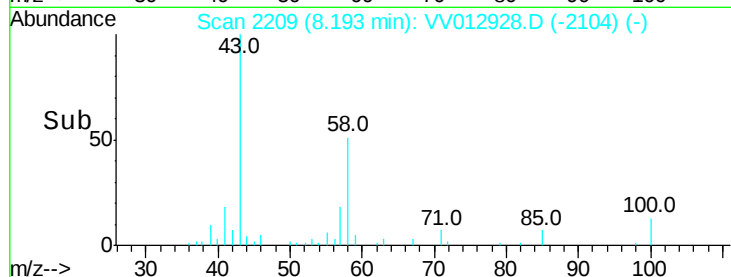
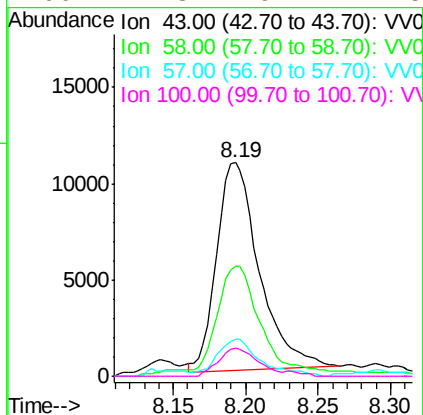
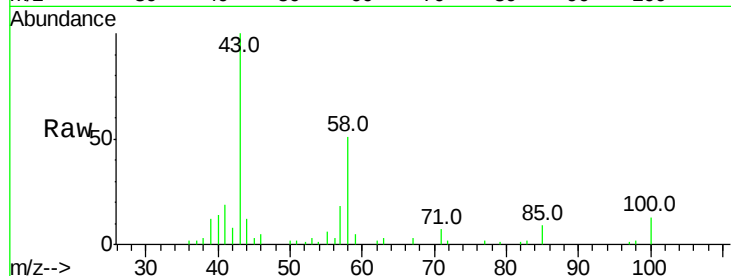




#49
2-Hexanone
Concen: 3.196 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VV012928.D
Acq: 23 Sep 2019 10:05

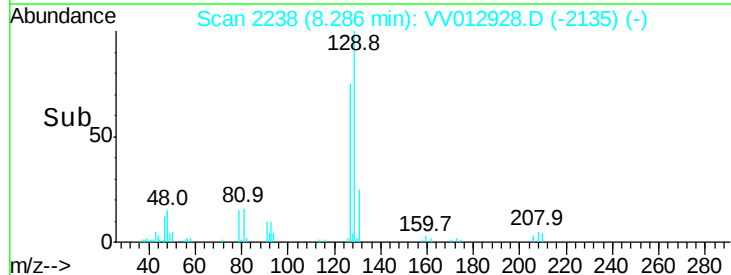
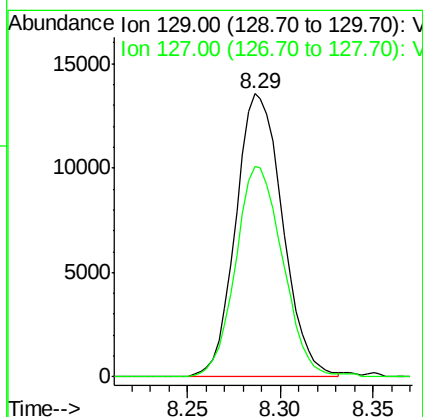
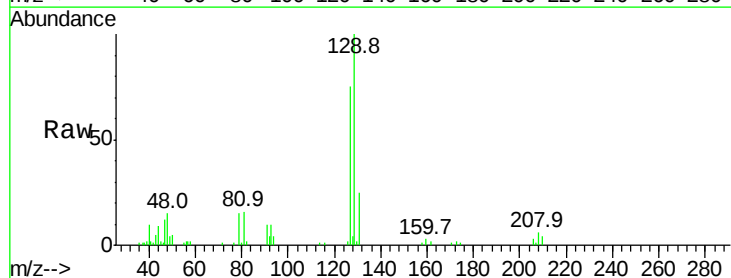
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.561

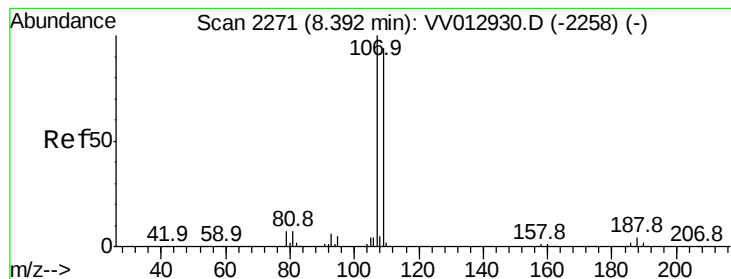
Tgt Ion:	43	Resp:	21981
Ion	Ratio	Lower	Upper
43	100		
58	48.8	46.5	69.7
57	18.3	15.5	23.3
100	12.3	9.7	14.5



#50
Dibromochloromethane
Concen: 2.460 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV012928.D
Acq: 23 Sep 2019 10:05

Tgt Ion:	129	Resp:	23782
Ion	Ratio	Lower	Upper
129	100		
127	74.6	53.7	99.7





#51

1,2-Dibromoethane

Concen: 2.331 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV012928.D

Acq: 23 Sep 2019 10:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.561

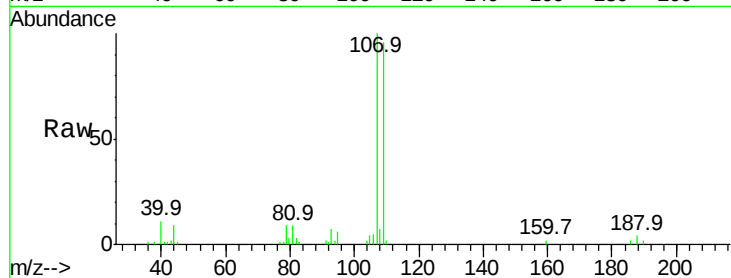
Tgt Ion:107 Resp: 19582

Ion Ratio Lower Upper

107 100

109 96.0 66.1 122.8

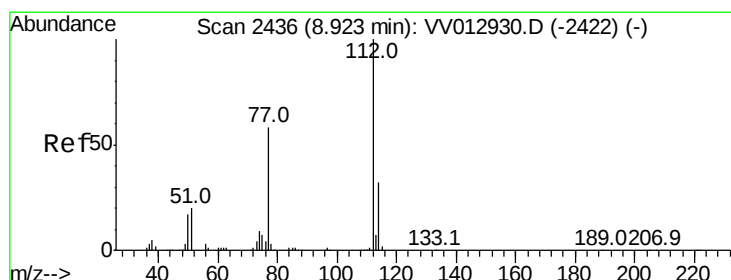
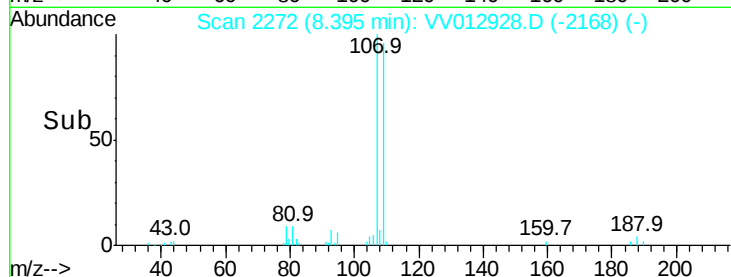
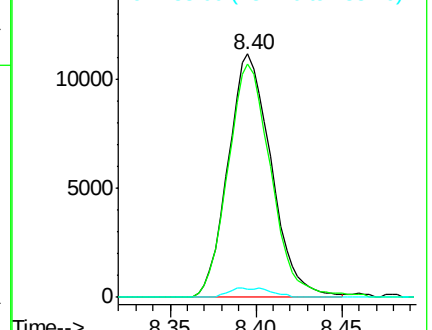
188 3.6 3.1 4.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 2.509 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV012928.D

Acq: 23 Sep 2019 10:05

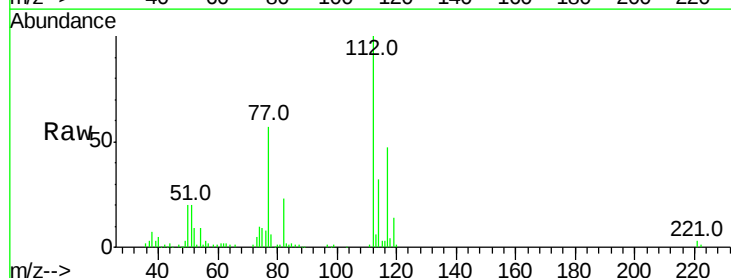
Tgt Ion:112 Resp: 73704

Ion Ratio Lower Upper

112 100

77 57.4 46.3 69.5

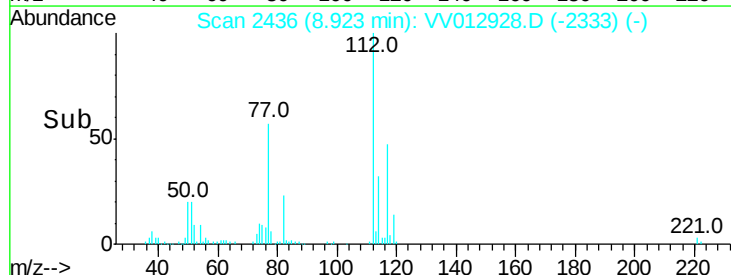
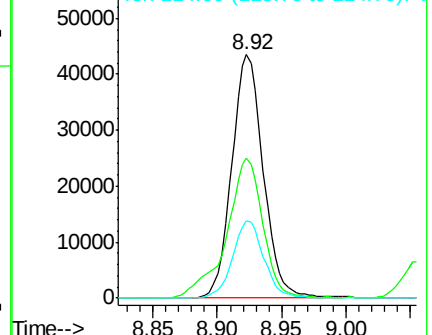
114 31.6 22.5 41.7

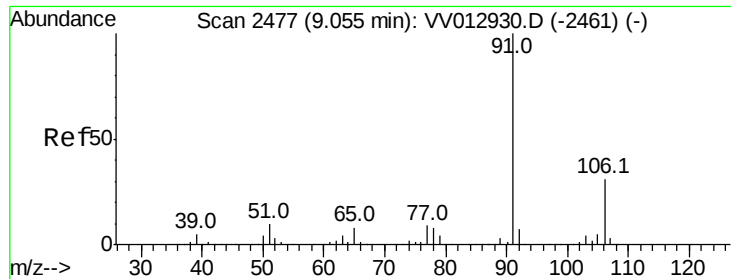


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V

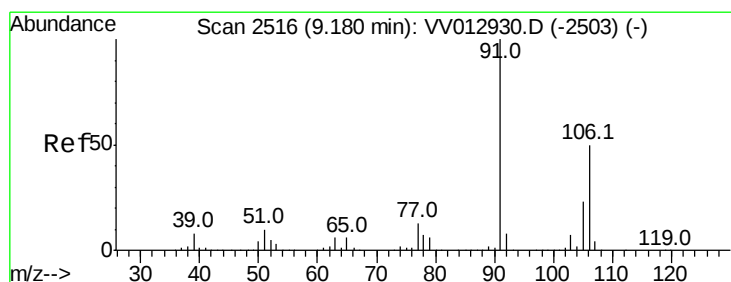
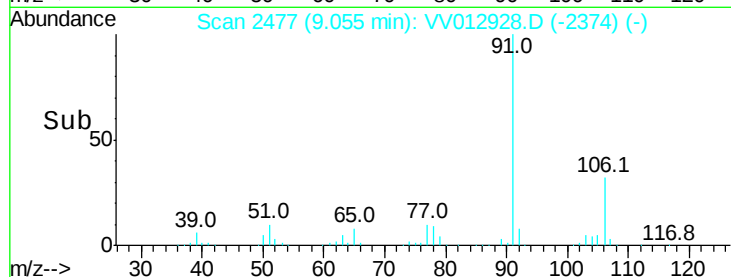
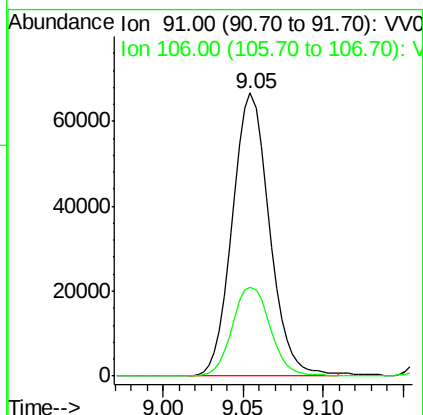
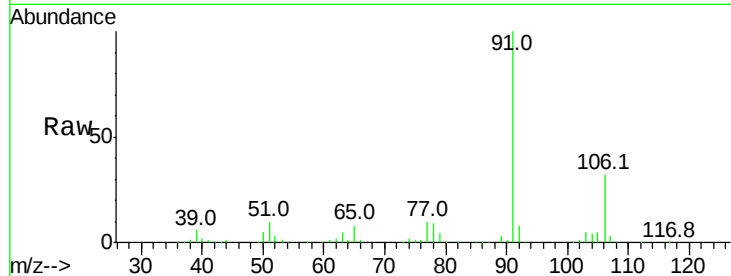




#53
Ethylbenzene
Concen: 2.170 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV012928.D
Acq: 23 Sep 2019 10:05

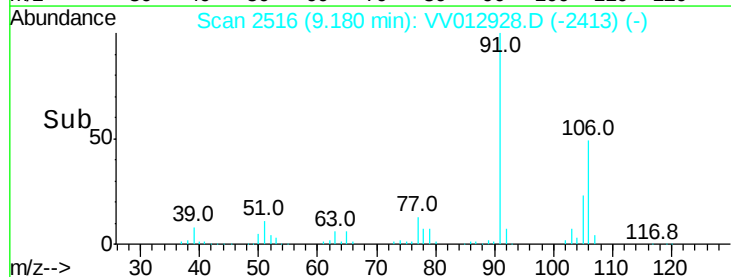
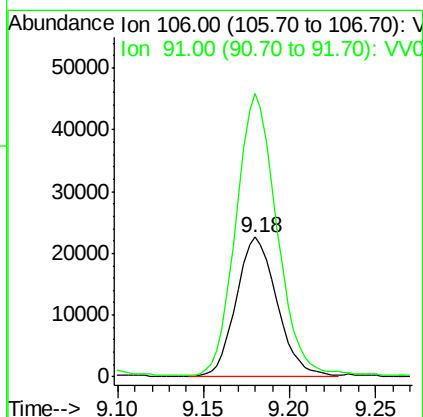
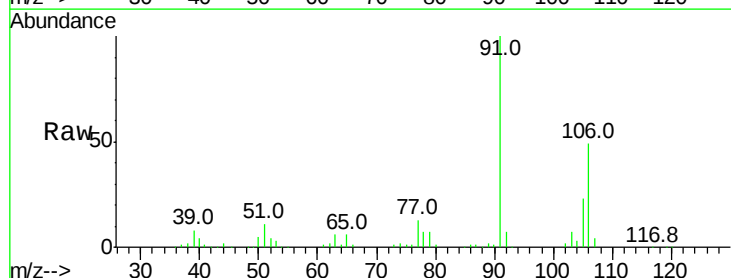
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.561

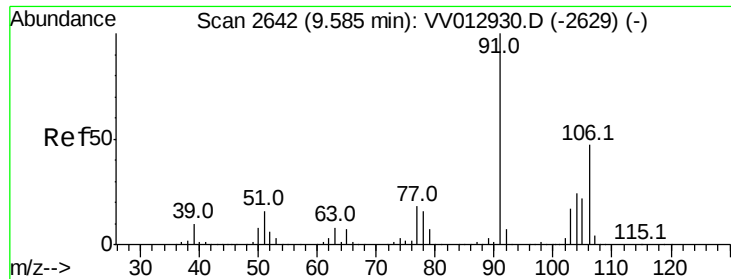
Tgt Ion: 91 Resp: 105678
Ion Ratio Lower Upper
91 100
106 31.5 21.8 40.4



#54
m,p-Xylene
Concen: 2.042 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. 0.00 min
Lab File: VV012928.D
Acq: 23 Sep 2019 10:05

Tgt Ion: 106 Resp: 37616
Ion Ratio Lower Upper
106 100
91 202.4 140.1 260.3





#55

o-xylene

Concen: 2.012 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012928.D

Acq: 23 Sep 2019 10:05

Instrument :

MSVOA_V

ClientSampleId :

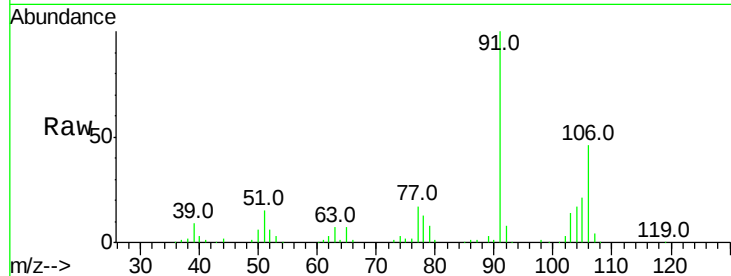
VSTD2.561

Tgt Ion:106 Resp: 34930

Ion Ratio Lower Upper

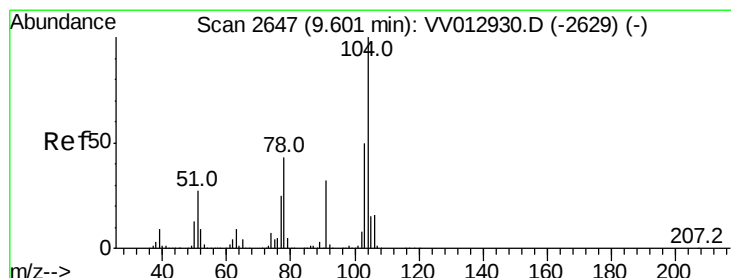
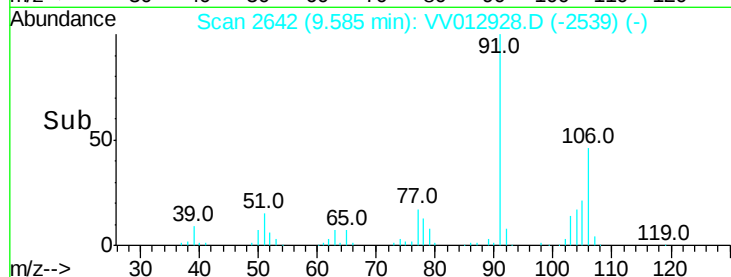
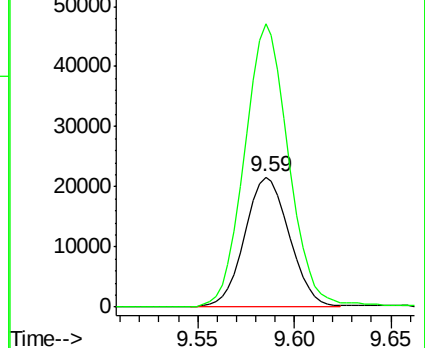
106 100

91 217.2 148.8 276.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 2.007 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV012928.D

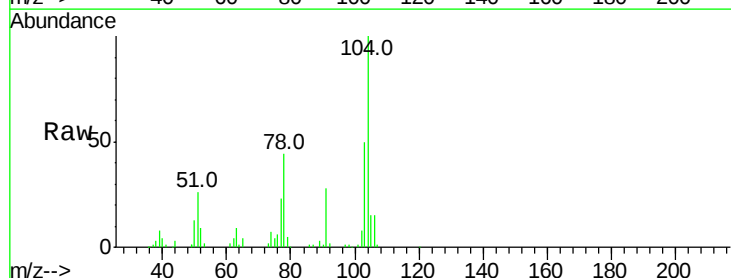
Acq: 23 Sep 2019 10:05

Tgt Ion:104 Resp: 60375

Ion Ratio Lower Upper

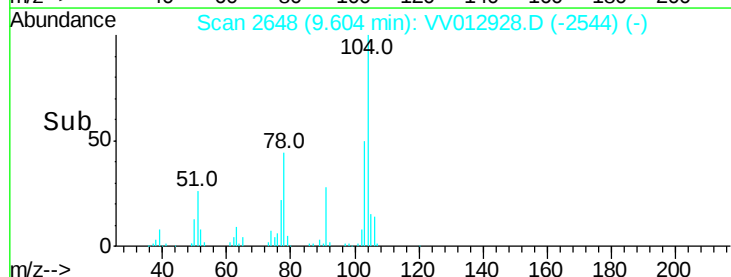
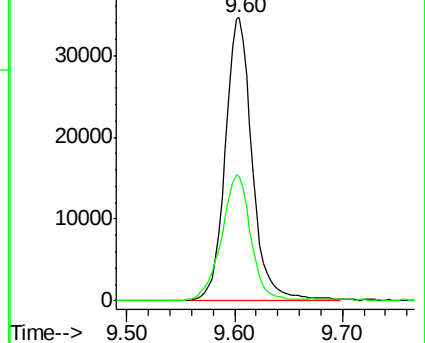
104 100

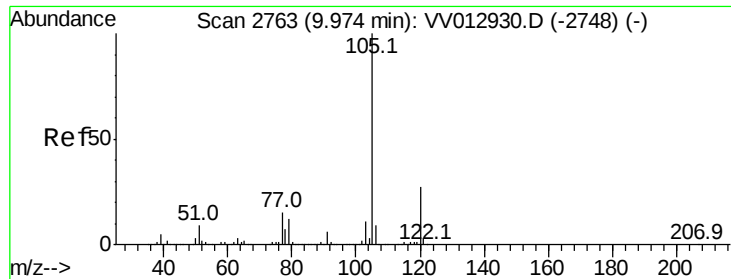
78 44.0 29.8 55.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 2.008 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012928.D

Acq: 23 Sep 2019 10:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.561

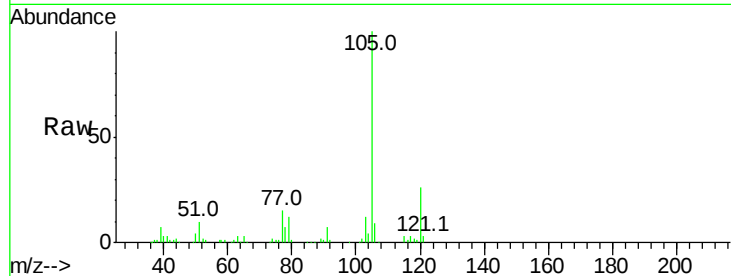
Tgt Ion:105 Resp: 93070

Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.0

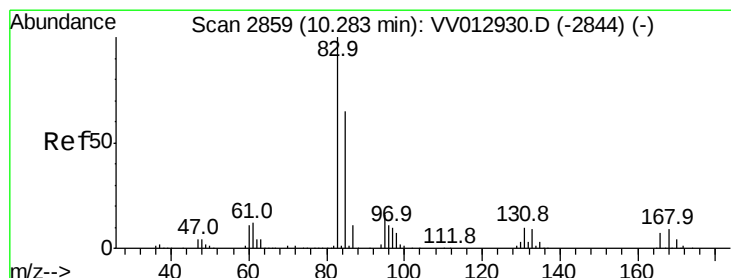
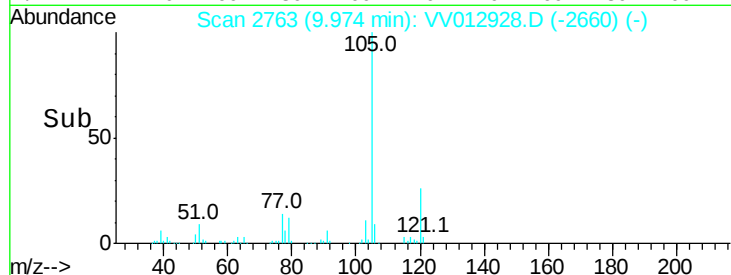
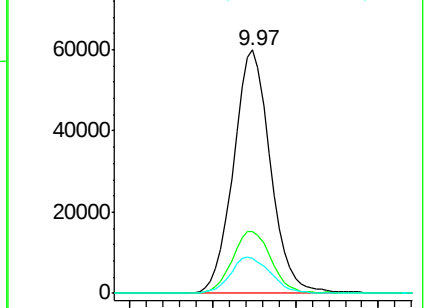
77 15.7 12.2 18.4



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: 2.234 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV012928.D

Acq: 23 Sep 2019 10:05

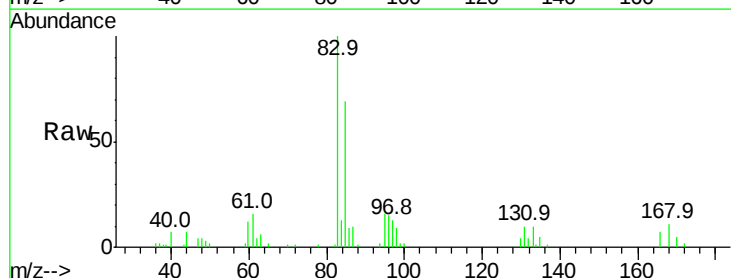
Tgt Ion: 83 Resp: 24090

Ion Ratio Lower Upper

83 100

85 68.6 45.4 84.2

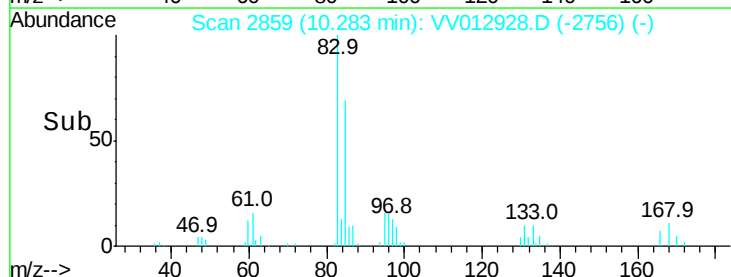
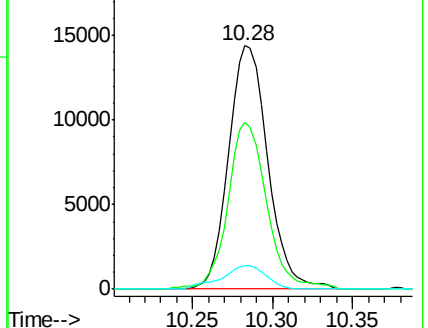
131 9.7 8.2 12.2

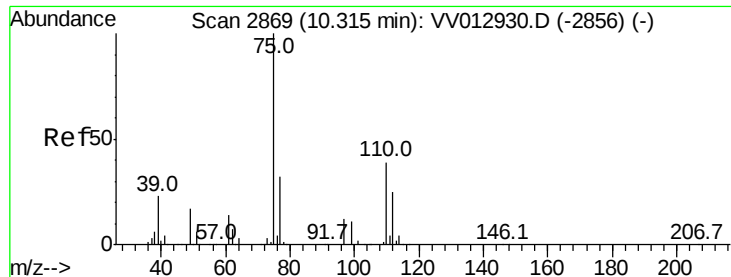


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

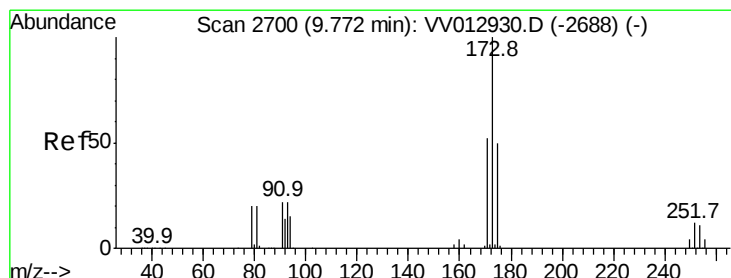
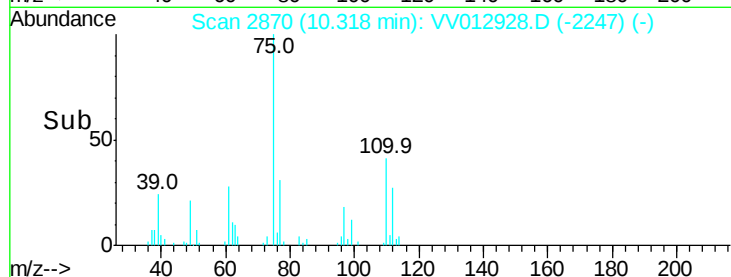
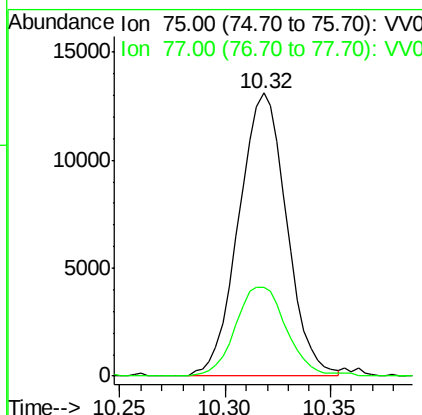
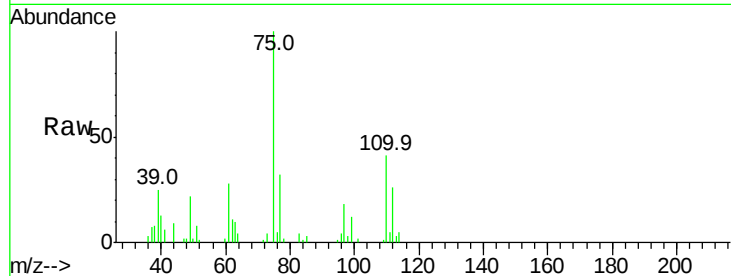




#59
 1,2,3-Trichloropropane
 Concen: 2.378 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV012928.D
 Acq: 23 Sep 2019 10:05

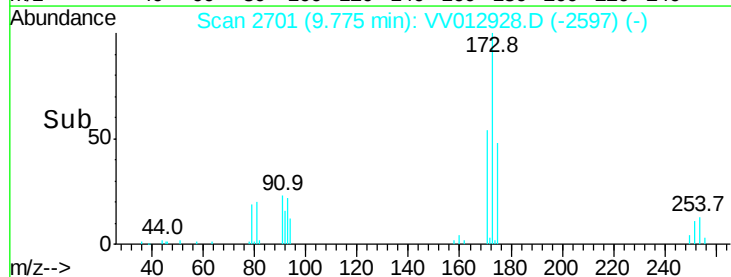
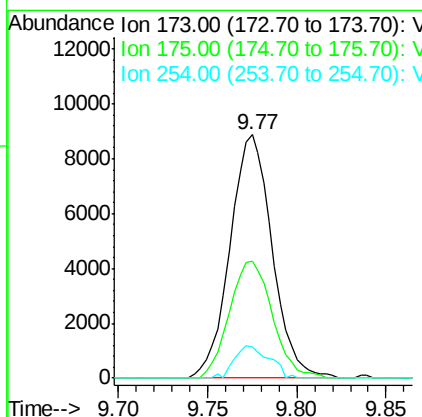
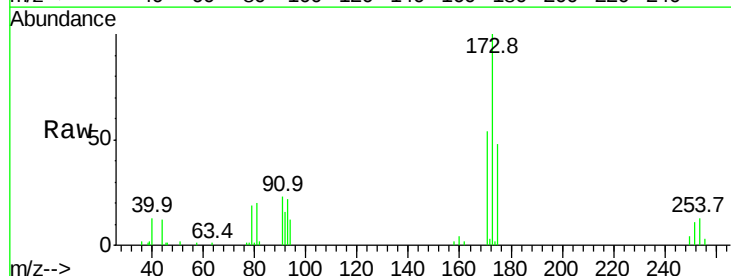
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD2.561

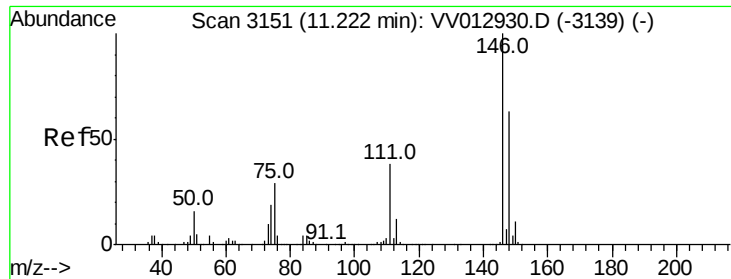
Tgt Ion: 75 Resp: 20690
 Ion Ratio Lower Upper
 75 100
 77 33.5 25.4 38.0



#62
 Bromoform
 Concen: 2.411 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV012928.D
 Acq: 23 Sep 2019 10:05

Tgt Ion: 173 Resp: 14641
 Ion Ratio Lower Upper
 173 100
 175 49.0 39.5 59.3
 254 10.6 9.1 13.7

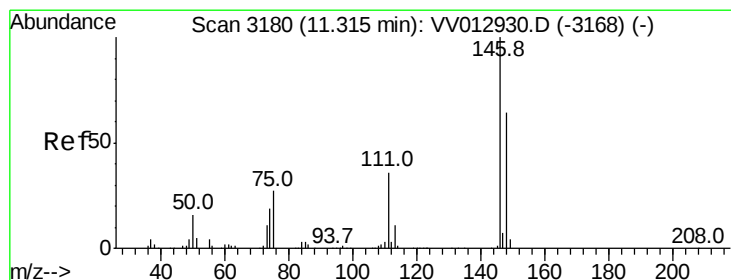
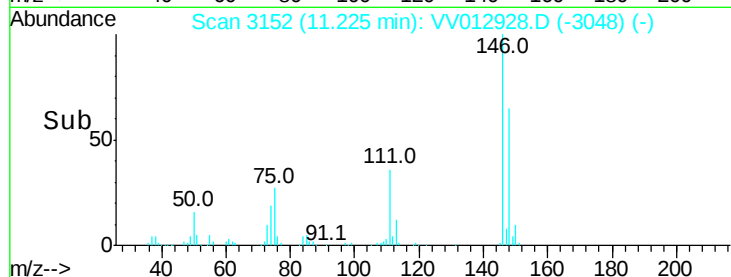
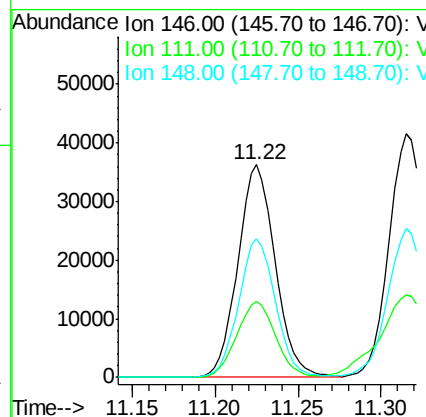
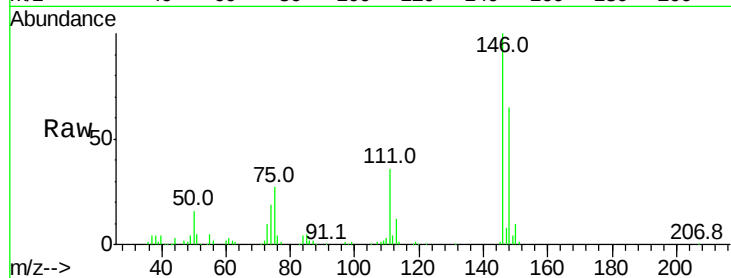




#63
 1,3-Dichlorobenzene
 Concen: 2.423 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV012928.D
 Acq: 23 Sep 2019 10:05

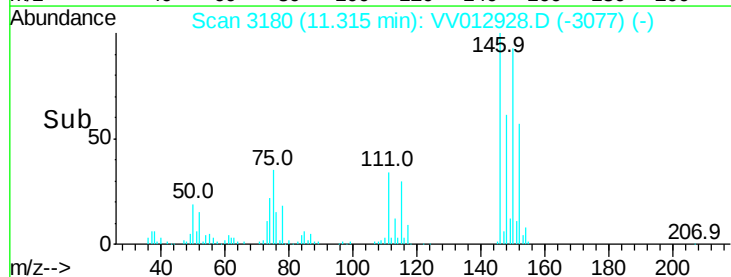
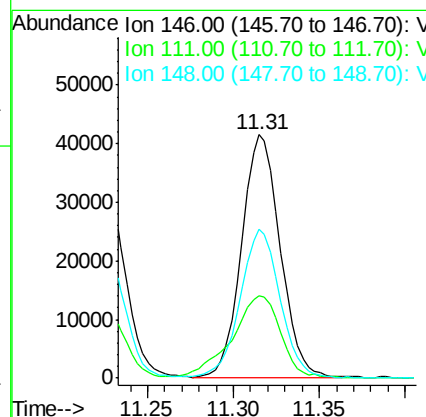
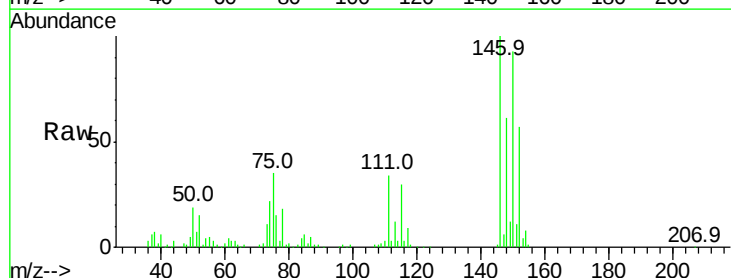
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.561

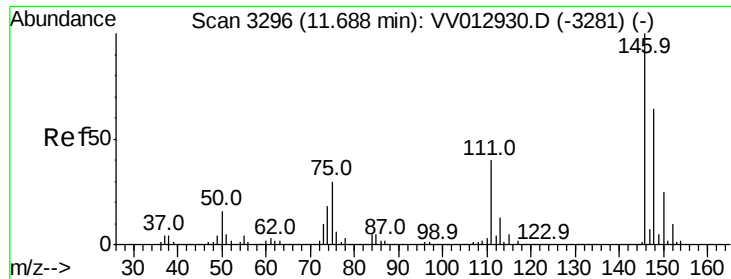
Tgt Ion:146 Resp: 57002
 Ion Ratio Lower Upper
 146 100
 111 36.0 26.7 49.7
 148 65.3 43.9 81.5



#64
 1,4-Dichlorobenzene
 Concen: 2.664 ug/L
 RT: 11.31 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV012928.D
 Acq: 23 Sep 2019 10:05

Tgt Ion:146 Resp: 65100
 Ion Ratio Lower Upper
 146 100
 111 33.8 25.5 47.3
 148 61.1 45.1 83.9

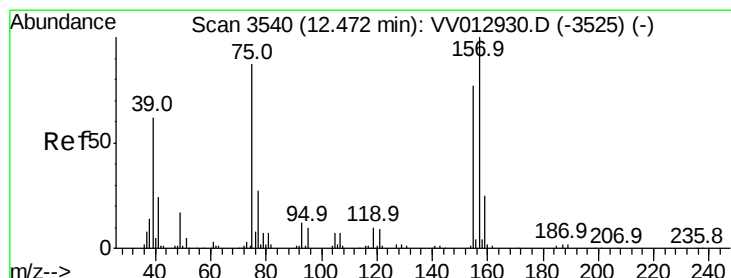
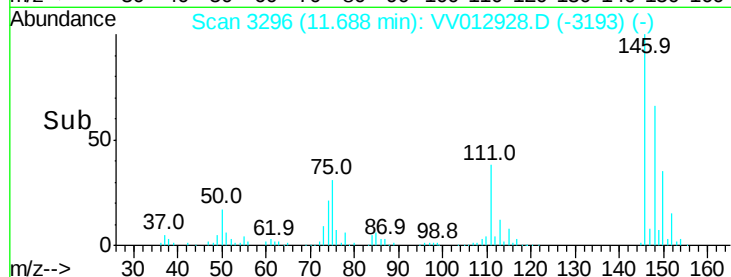
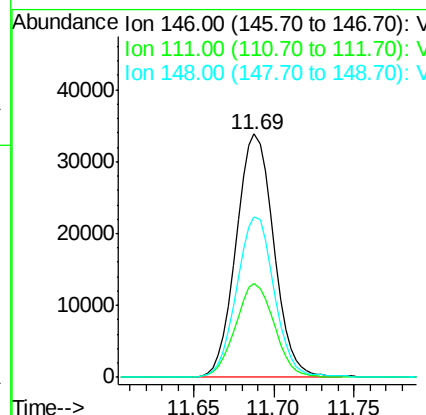
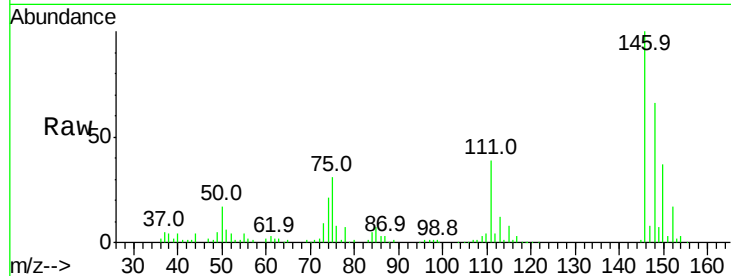




#65
 1,2-Dichlorobenzene
 Concen: 2.453 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV012928.D
 Acq: 23 Sep 2019 10:05

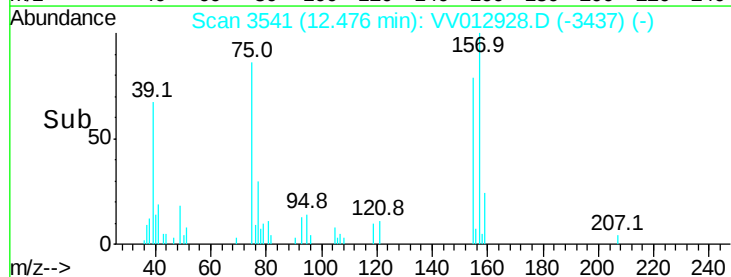
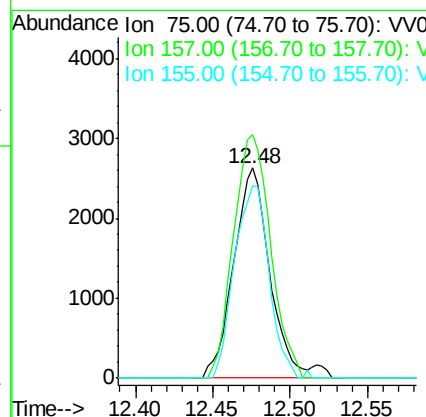
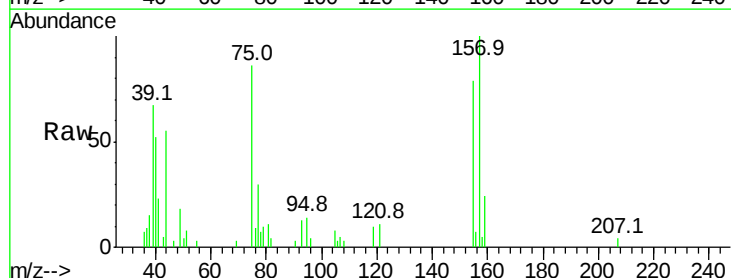
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.561

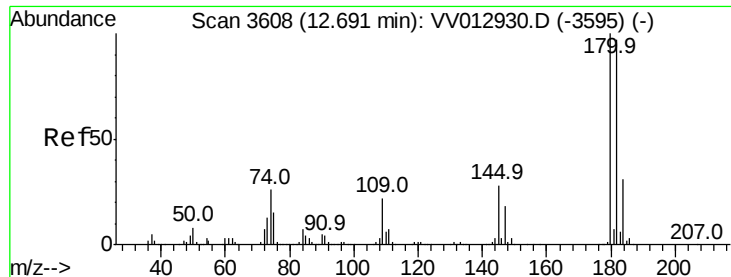
Tgt Ion: 146 Resp: 54233
 Ion Ratio Lower Upper
 146 100
 111 38.6 31.9 47.9
 148 65.9 51.0 76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.263 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV012928.D
 Acq: 23 Sep 2019 10:05

Tgt Ion: 75 Resp: 4310
 Ion Ratio Lower Upper
 75 100
 157 115.8 91.7 137.5
 155 91.5 70.8 106.2

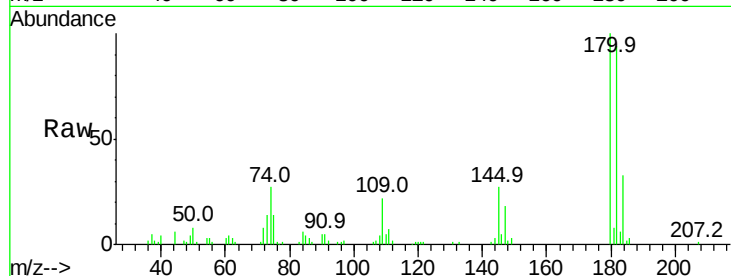




#67
 1,3,5-Trichlorobenzene
 Concen: 2.357 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012928.D
 Acq: 23 Sep 2019 10:05

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.561

Tgt Ion:	180	Resp:	43995
Ion	Ratio	Lower	Upper
180	100		
182	93.7	76.4	114.6
184	31.1	24.6	37.0
145	27.8	22.2	33.4

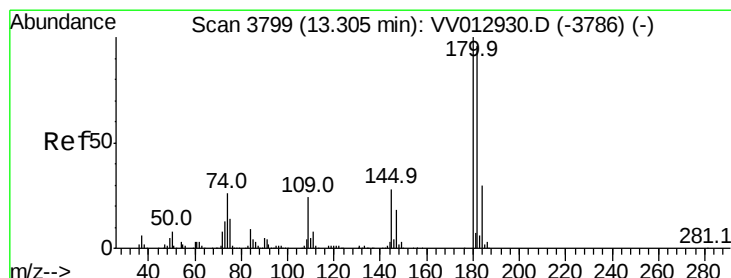
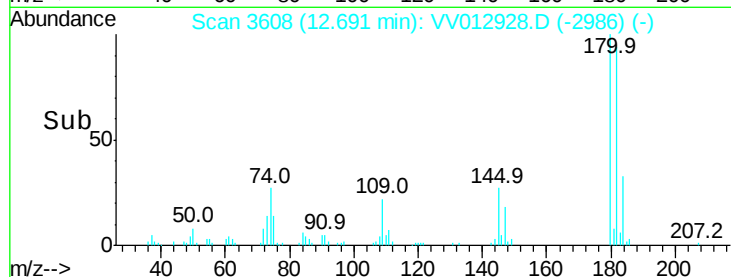
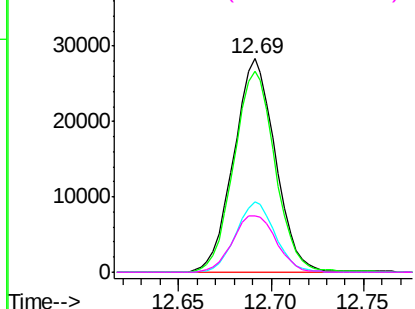


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

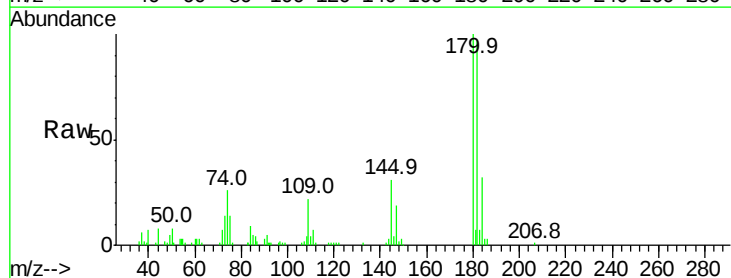
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 2.277 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012928.D
 Acq: 23 Sep 2019 10:05

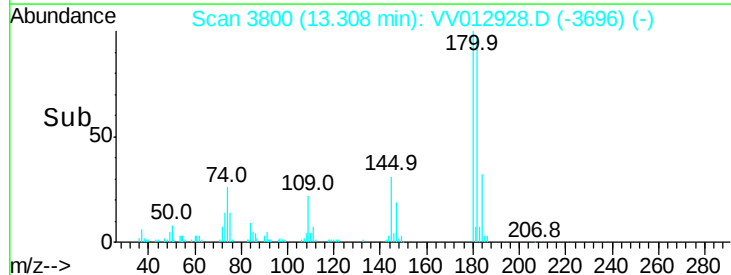
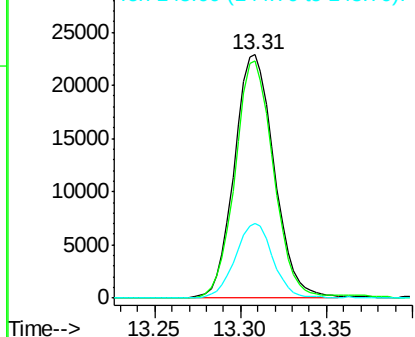
Tgt Ion:	180	Resp:	36879
Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.8	115.2
145	28.8	22.6	34.0

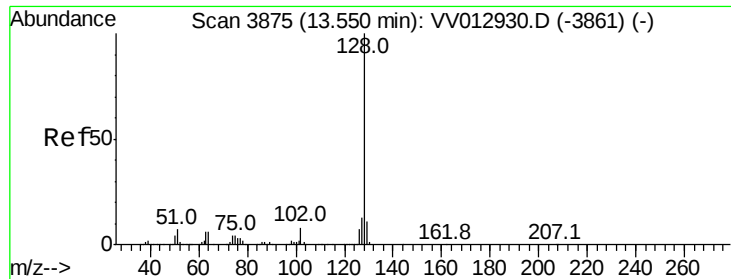


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 1.754 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV012928.D

Acq: 23 Sep 2019 10:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.561

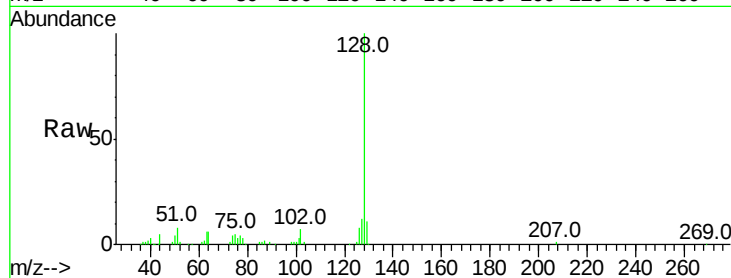
Tgt Ion:128 Resp: 57485

Ion Ratio Lower Upper

128 100

129 11.2 8.7 13.1

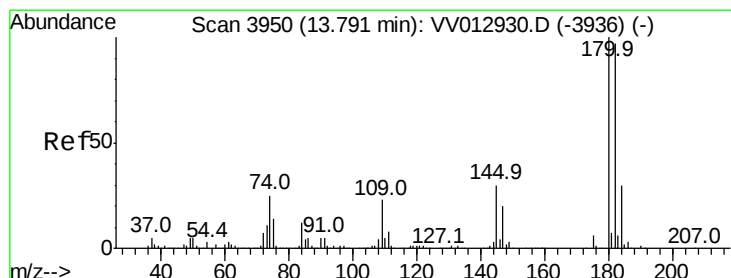
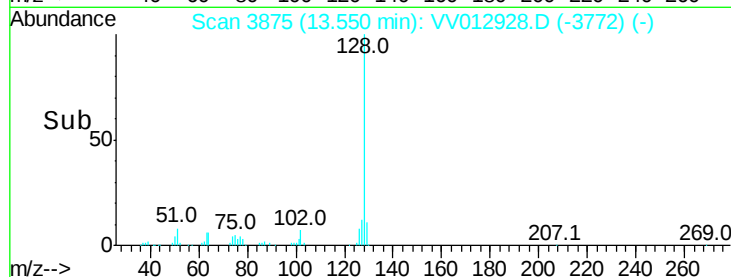
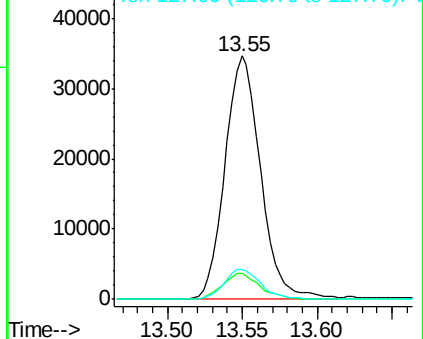
127 12.7 10.2 15.2



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: 2.175 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012928.D

Acq: 23 Sep 2019 10:05

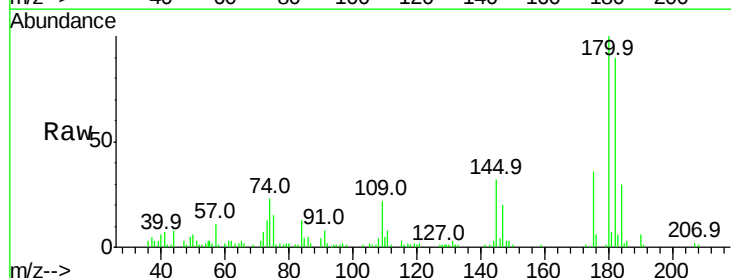
Tgt Ion:180 Resp: 34249

Ion Ratio Lower Upper

180 100

182 95.0 77.4 116.2

145 30.1 23.9 35.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

