

Data File : VV010979.D
Acq On : 21 May 2019 02:06
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02566

Quant Time: May 21 04:08:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis
QLast Update : Tue May 21 04:03:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	158657	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	153506	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	69934	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	35486	19.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.48%
7) Chloroethane-d5	1.55	69	25310	20.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.68%
10) 1,1-Dichloroethene-d2	2.12	63	69481	19.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.92%
20) 2-Butanone-d5	3.93	46	31812	50.97	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.94%
24) Chloroform-d	4.39	84	102143	24.85	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.40%
26) 1,2-Dichloroethane-d4	5.07	65	57576	23.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.08%
29) Benzene-d6	5.09	84	213014	25.42	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.68%
33) 1,2-Dichloropropane-d6	6.11	67	67252	25.25	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.00%
37) Toluene-d8	7.36	98	190261	24.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.68%
38) trans-1,3-Dichloropropene-	7.66	79	25500	23.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.28%
39) 2-Hexanone-d5	8.13	63	20438	41.15	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.30%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	60117	22.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.44%
61) 1,2-Dichlorobenzene-d4	11.67	152	66649	23.47	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.88%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.13	85	41606	17.763 ug/L	97
3) Chloromethane	1.24	50	42704	20.127 ug/L	97
5) Vinyl chloride	1.31	62	42318	19.859 ug/L	98
6) Bromomethane	1.50	94	14034	18.888 ug/L	96
8) Chloroethane	1.57	64	23116	21.679 ug/L	97
9) Trichlorofluoromethane	1.75	101	64152	18.889 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.12	101	37584	19.406 ug/L	98
12) 1,1-Dichloroethene	2.13	96	34768	20.766 ug/L	91
13) Acetone	2.18	43	21629	35.937 ug/L	99
14) Carbon disulfide	2.30	76	94165	20.084 ug/L	98
15) Methyl Acetate	2.45	43	30247	26.156 ug/L	98
16) Methylene chloride	2.52	84	66997	24.606 ug/L	98
17) Methyl tert-butyl Ether	2.80	73	148823	25.122 ug/L	100
18) trans-1,2-Dichloroethene	2.78	96	52567	22.759 ug/L	99
19) 1,1-Dichloroethane	3.22	63	100236	23.834 ug/L	96
21) 2-Butanone	4.02	43	38027	46.170 ug/L	97
22) cis-1,2-Dichloroethene	3.95	96	63952	24.868 ug/L	97

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Quant Title : VOC Analysis
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	32086	26.327	ug/L	85
25) Chloroform	4.42	83	114982	24.162	ug/L	100
27) 1,2-Dichloroethane	5.17	62	74729	25.545	ug/L	98
30) Cyclohexane	4.71	56	64528	20.230	ug/L	99
31) 1,1,1-Trichloroethane	4.65	97	82786	23.975	ug/L	99
32) Carbon tetrachloride	4.86	117	68319	21.696	ug/L	99
34) Benzene	5.14	78	231679	26.181	ug/L	100
35) Trichloroethene	5.95	95	60630	24.798	ug/L	99
36) Methylcyclohexane	6.17	83	77350	21.400	ug/L	97
40) 1,2-Dichloropropane	6.22	63	62429	26.844	ug/L	98
41) Bromodichloromethane	6.55	83	81866	26.337	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	87733	25.345	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	79683	47.798	ug/L	99
44) Toluene	7.43	91	248075	25.262	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	70252	24.093	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	53367	26.930	ug/L	96
47) Tetrachloroethene	8.02	164	41788	21.896	ug/L	96
49) 2-Hexanone	8.18	43	48885	40.162	ug/L	99
50) Dibromochloromethane	8.29	129	60539	25.955	ug/L	98
51) 1,2-Dibromoethane	8.39	107	48421	25.267	ug/L #	95
52) Chlorobenzene	8.92	112	167864	24.939	ug/L	99
53) Ethylbenzene	9.05	91	257402	24.056	ug/L	99
54) m,p-Xylene	9.18	106	99634	23.891	ug/L	98
55) o-xylene	9.59	106	101040	25.394	ug/L	97
56) Styrene	9.60	104	177812	25.930	ug/L	99
57) Isopropylbenzene	9.97	105	249985	23.816	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	61104	23.418	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	45090	23.524	ug/L	100
62) Bromoform	9.77	173	32642	26.293	ug/L	98
63) 1,3-Dichlorobenzene	11.22	146	116545	24.433	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	121446	24.722	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	117672	25.443	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	8779	23.894	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	80501	23.007	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	65320	23.619	ug/L	99
69) Naphthalene	13.55	128	136009	24.533	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	64108	23.744	ug/L	99

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

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MSVOA_V
ClientSampleId :
VSTD02566

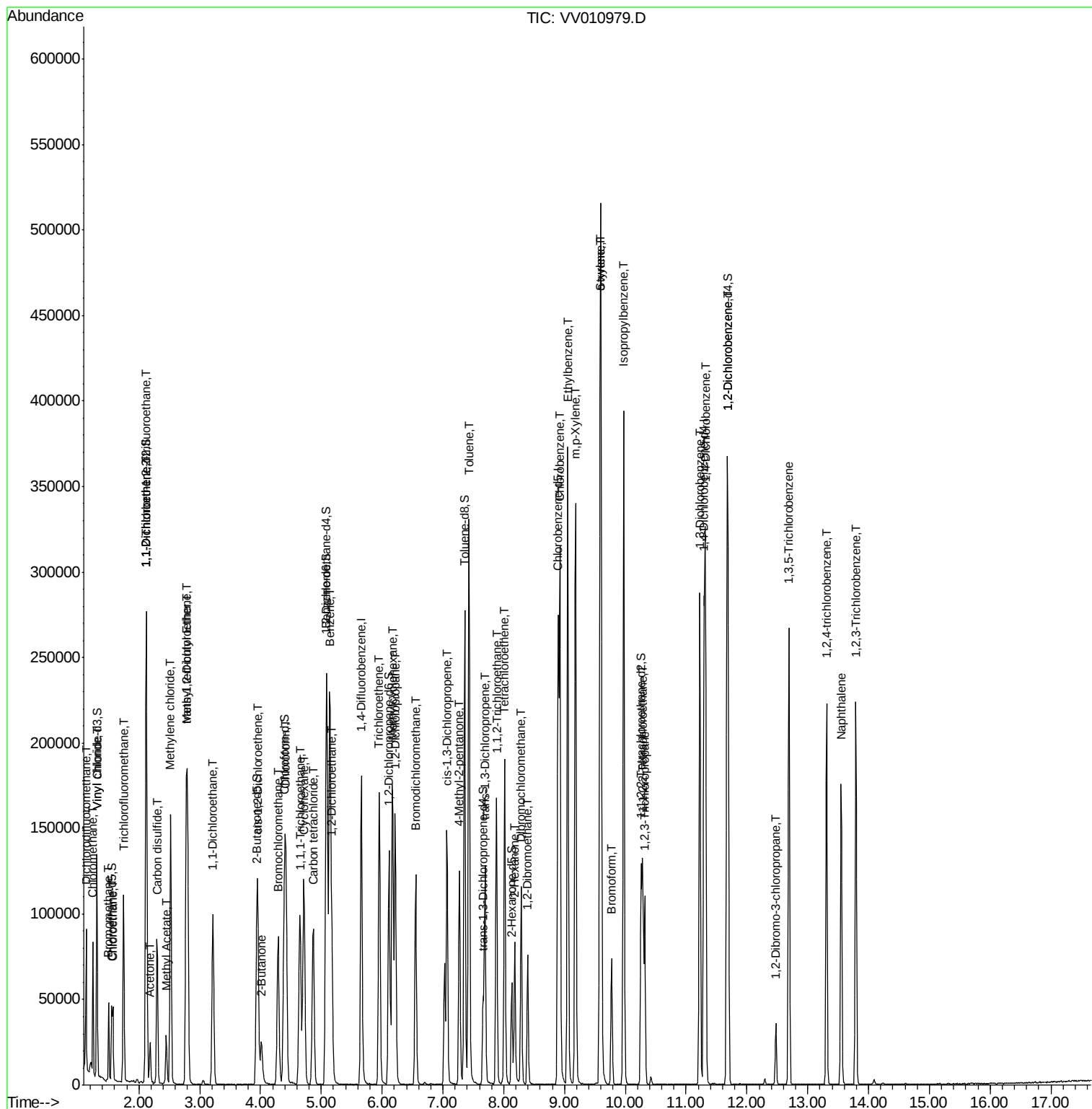
Quant Time: May 21 04:08:56 2019

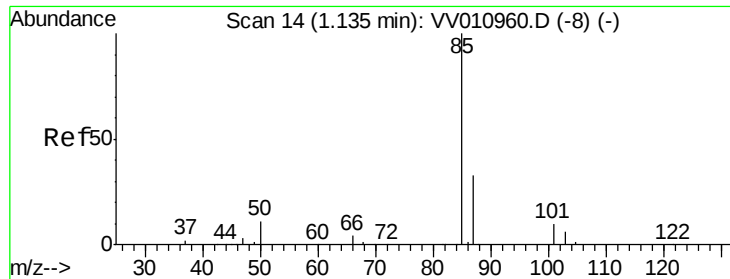
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM052019S.M

Quant Title : VOC Analysis

QLast Update : Tue May 21 04:03:21 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 17.763 ug/L

RT: 1.13 min Scan# 13

Delta R.T. -0.00 min

Lab File: VV010979.D

Acq: 21 May 2019 02:06

Instrument :

MSVOA_V

ClientSampleId :

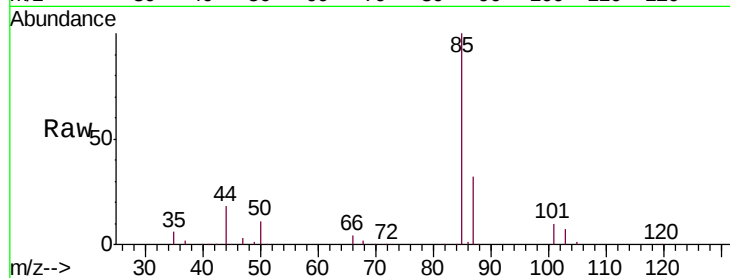
VSTD02566

Tgt Ion: 85 Resp: 41606

Ion Ratio Lower Upper

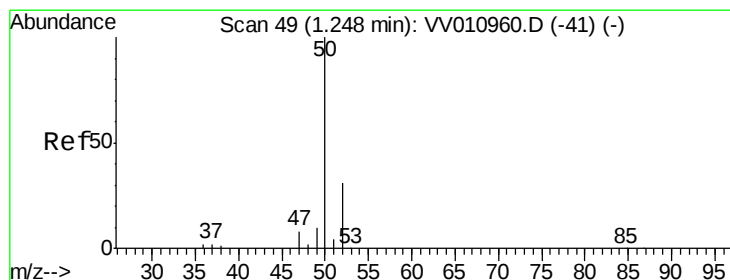
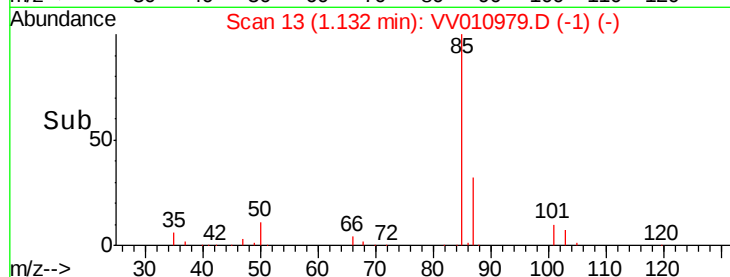
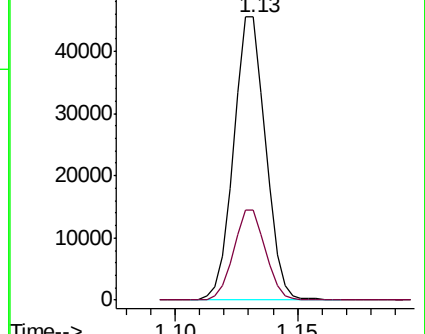
85 100

87 31.5 23.2 43.2



Abundance Ion 85.00 (84.70 to 85.70): VV010960.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV010960.D (-8) (-)



#3

Chloromethane

Concen: 20.127 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.00 min

Lab File: VV010979.D

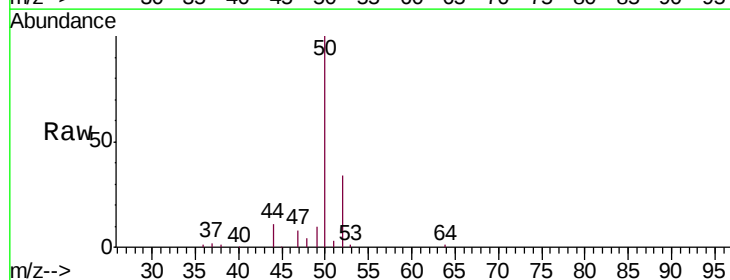
Acq: 21 May 2019 02:06

Tgt Ion: 50 Resp: 42704

Ion Ratio Lower Upper

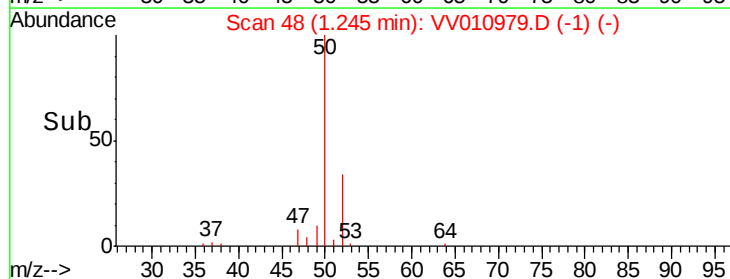
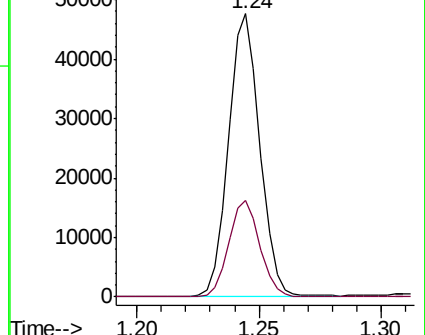
50 100

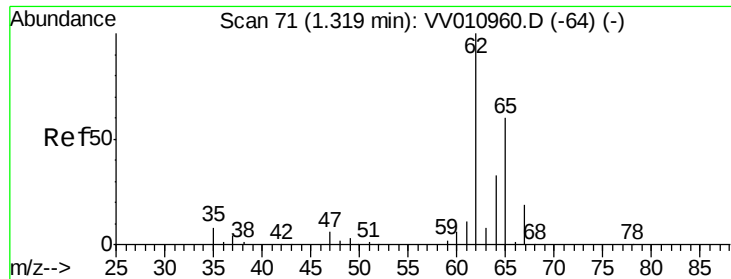
52 34.2 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV010960.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VV010960.D (-41) (-)





#5

Vinyl chloride

Concen: 19.859 ug/L

RT: 1.31 min Scan# 69

Delta R.T. -0.01 min

Lab File: VV010979.D

Acq: 21 May 2019 02:06

Instrument :

MSVOA_V

ClientSampled :

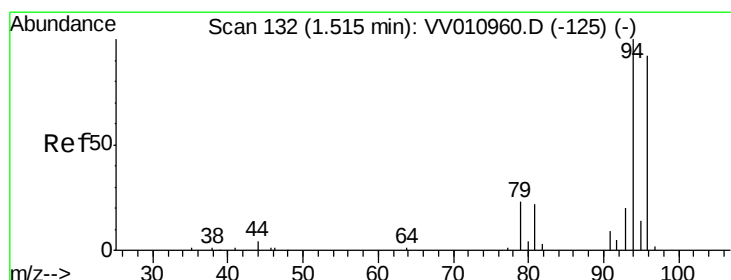
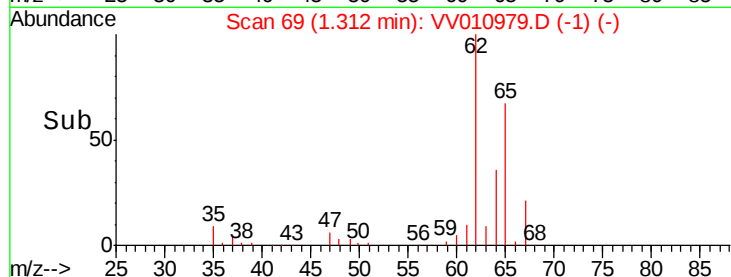
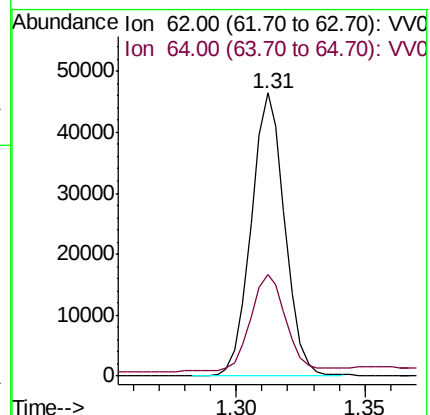
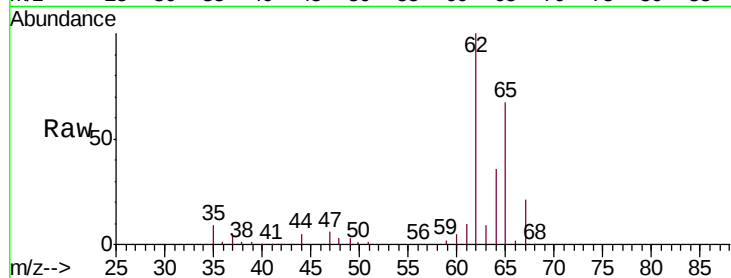
VSTD02566

Tgt Ion: 62 Resp: 42318

Ion Ratio Lower Upper

62 100

64 36.0 24.5 45.5



#6

Bromomethane

Concen: 18.888 ug/L

RT: 1.50 min Scan# 129

Delta R.T. -0.01 min

Lab File: VV010979.D

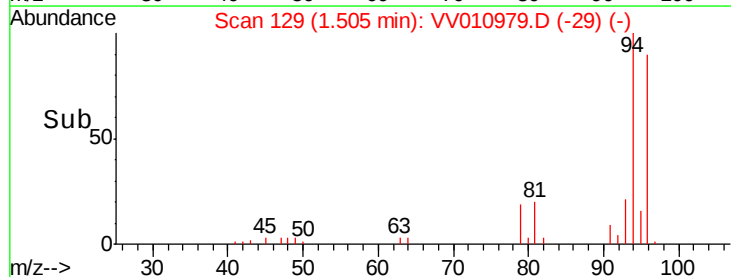
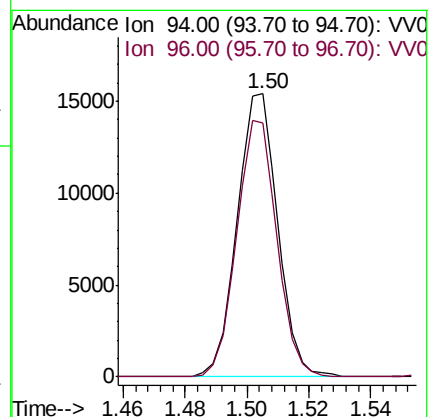
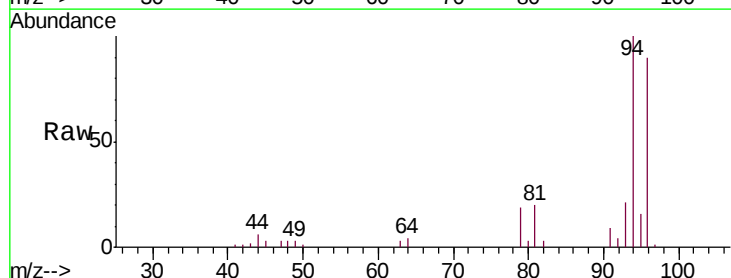
Acq: 21 May 2019 02:06

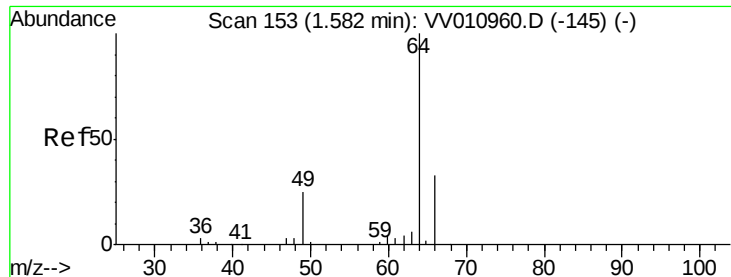
Tgt Ion: 94 Resp: 14034

Ion Ratio Lower Upper

94 100

96 89.8 9.3 177.7





#8

Chloroethane

Concen: 21.679 ug/L

RT: 1.57 min Scan# 150

Delta R.T. -0.01 min

Lab File: VV010979.D

Acq: 21 May 2019 02:06

Instrument :

MSVOA_V

ClientSampleId :

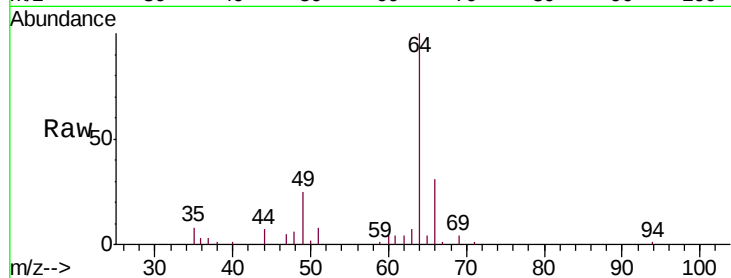
VSTD02566

Tgt Ion: 64 Resp: 23116

Ion Ratio Lower Upper

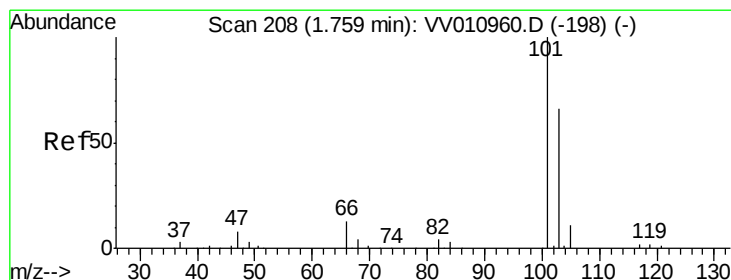
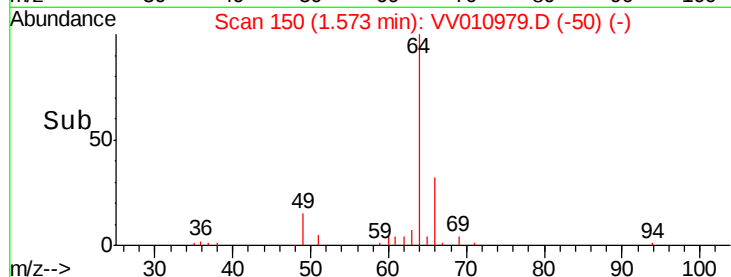
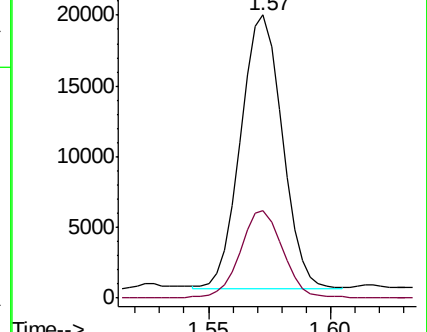
64 100

66 31.0 20.4 37.8



Abundance Ion 64.00 (63.70 to 64.70): VV010960.D (-145) (-)

Ion 66.00 (65.70 to 66.70): VV010960.D (-145) (-)



#9

Trichlorofluoromethane

Concen: 18.889 ug/L

RT: 1.75 min Scan# 205

Delta R.T. -0.01 min

Lab File: VV010979.D

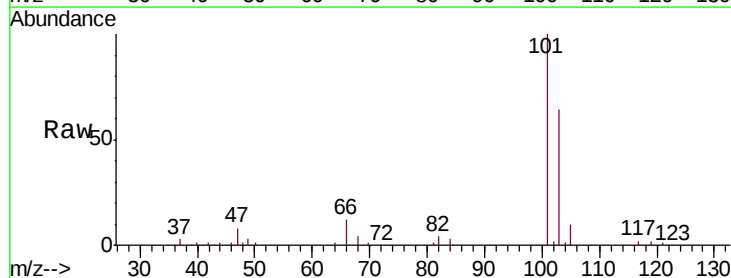
Acq: 21 May 2019 02:06

Tgt Ion: 101 Resp: 64152

Ion Ratio Lower Upper

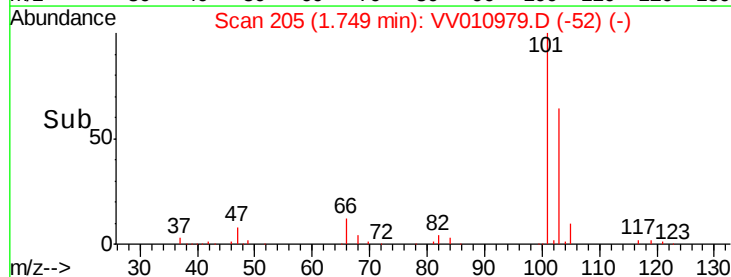
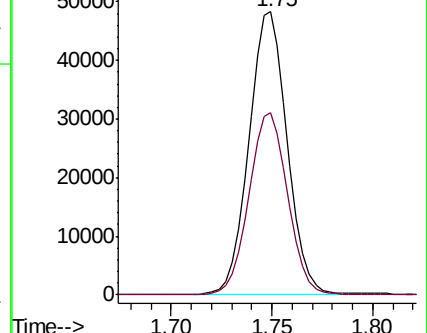
101 100

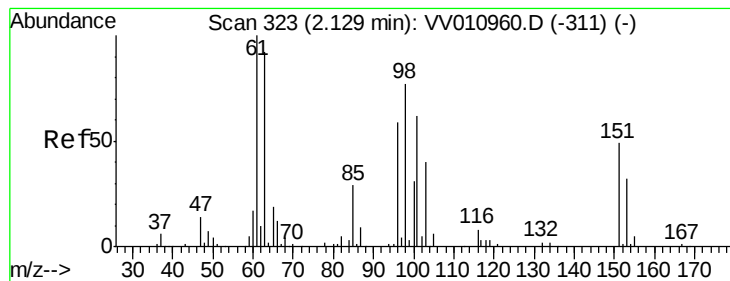
103 65.6 44.7 82.9



Abundance Ion 101.00 (100.70 to 101.70): VV010960.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV010960.D (-198) (-)





#11

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

Concen: 19.406 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV010979.D

Acq: 21 May 2019 02:06

Instrument :

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ClientSampleId :

VSTD02566

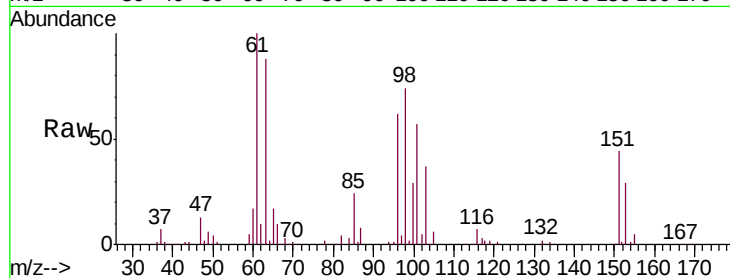
Tgt Ion: 101 Resp: 37584

Ion Ratio Lower Upper

101 100

85 42.1 33.9 50.9

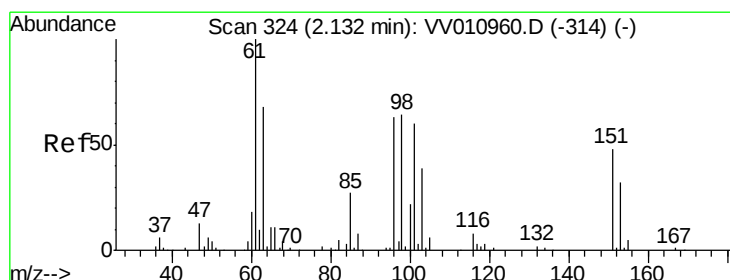
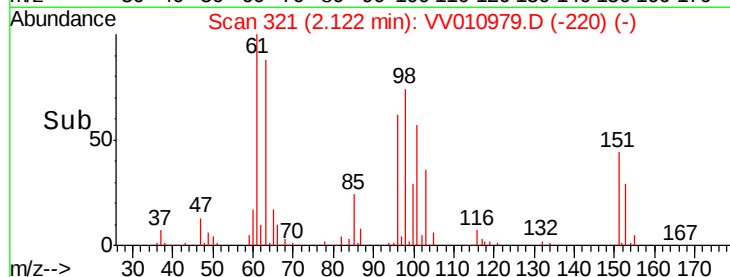
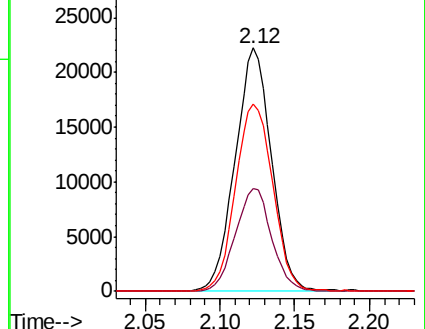
151 78.8 64.7 97.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 20.766 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV010979.D

Acq: 21 May 2019 02:06

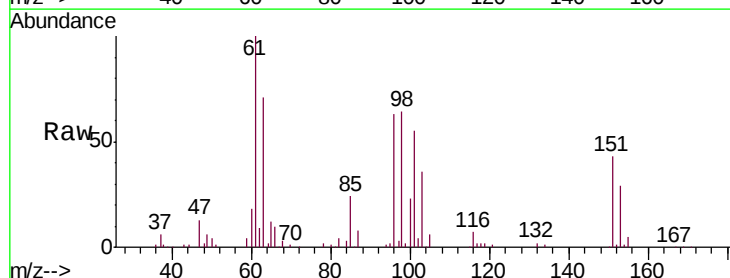
Tgt Ion: 96 Resp: 34768

Ion Ratio Lower Upper

96 100

61 157.6 117.8 218.8

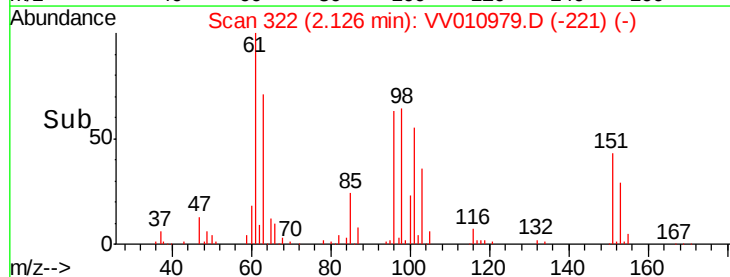
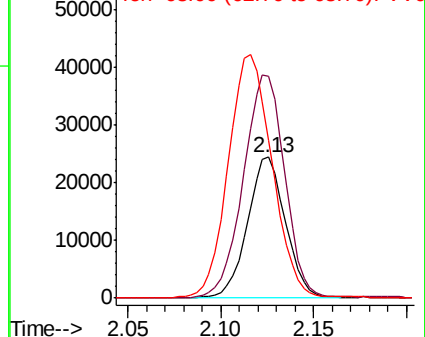
63 111.8 87.1 161.7

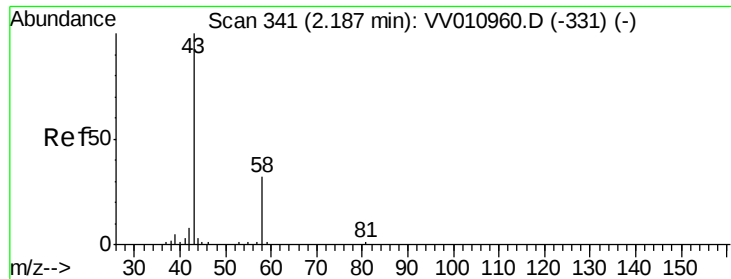


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 35.937 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VV010979.D

Acq: 21 May 2019 02:06

Instrument :

MSVOA_V

ClientSampleId :

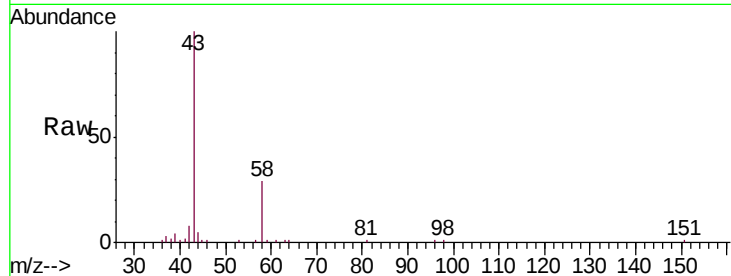
VSTD02566

Tgt Ion: 43 Resp: 21629

Ion Ratio Lower Upper

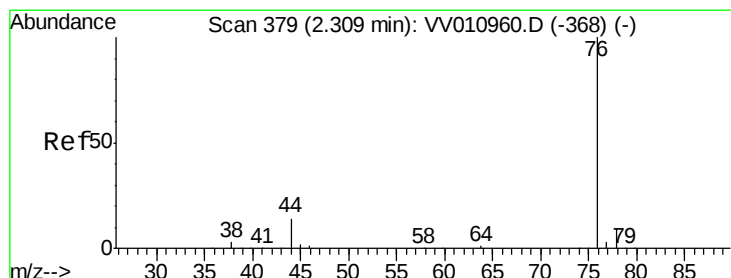
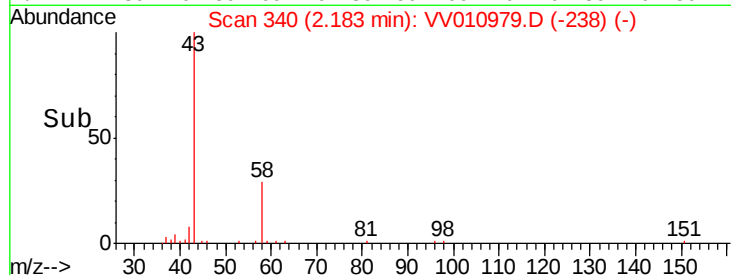
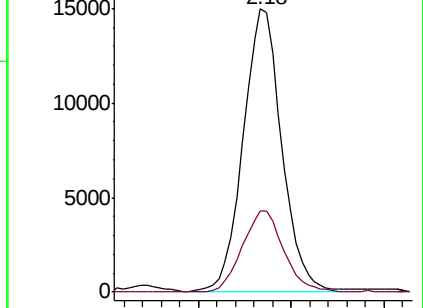
43 100

58 30.8 0.0 60.8



Abundance Ion 43.00 (42.70 to 43.70): VV010979.D (-238) (-)

Ion 58.00 (57.70 to 58.70): VV010979.D (-238) (-)



#14

Carbon disulfide

Concen: 20.084 ug/L

RT: 2.30 min Scan# 376

Delta R.T. -0.01 min

Lab File: VV010979.D

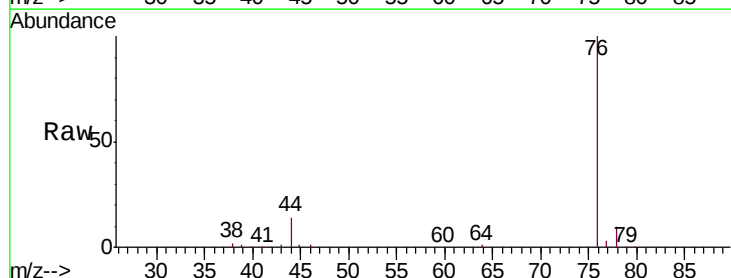
Acq: 21 May 2019 02:06

Tgt Ion: 76 Resp: 94165

Ion Ratio Lower Upper

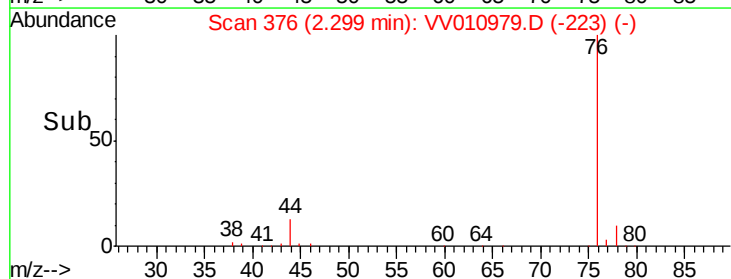
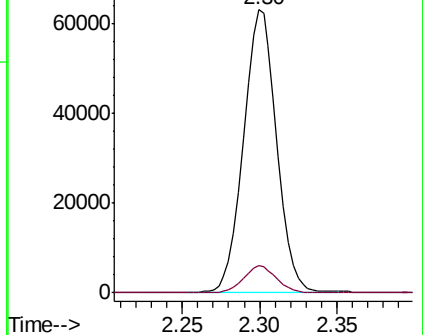
76 100

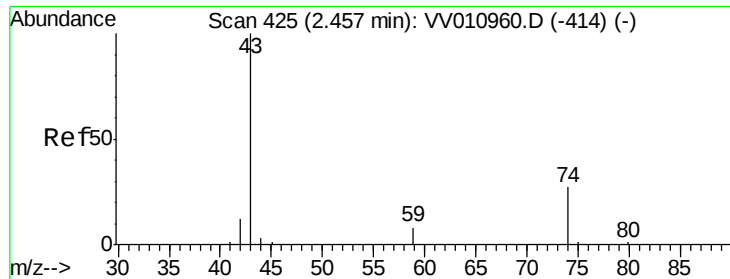
78 9.9 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV010979.D (-223) (-)

Ion 78.00 (77.70 to 78.70): VV010979.D (-223) (-)





#15

Methyl Acetate

Concen: 26.156 ug/L

RT: 2.45 min Scan# 423

Delta R.T. -0.01 min

Lab File: VV010979.D

Acq: 21 May 2019 02:06

Instrument :

MSVOA_V

ClientSampleId :

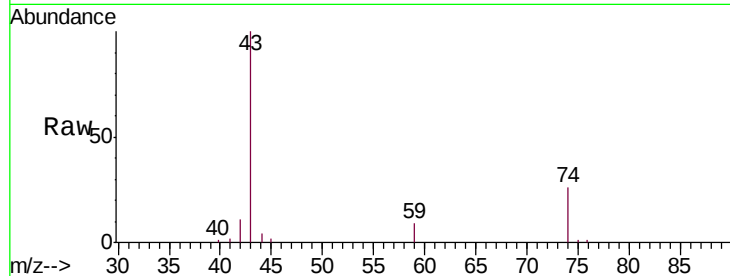
VSTD02566

Tgt Ion: 43 Resp: 30247

Ion Ratio Lower Upper

43 100

74 25.2 21.1 31.7



Abundance Ion 43.00 (42.70 to 43.70): VV010979.D (-322) (-)

Ion 74.00 (73.70 to 74.70): VV010979.D (-322) (-)

20000

15000

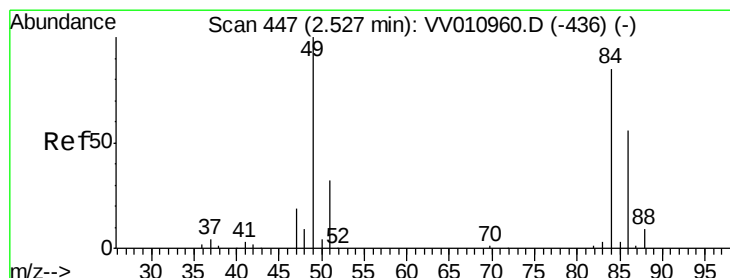
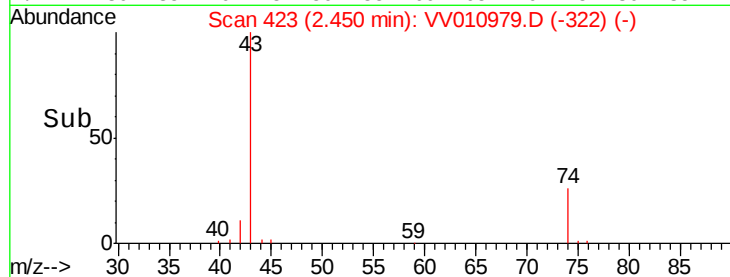
10000

5000

0

2.40 2.45 2.50

Time-->



#16

Methylene chloride

Concen: 24.606 ug/L

RT: 2.52 min Scan# 446

Delta R.T. -0.00 min

Lab File: VV010979.D

Acq: 21 May 2019 02:06

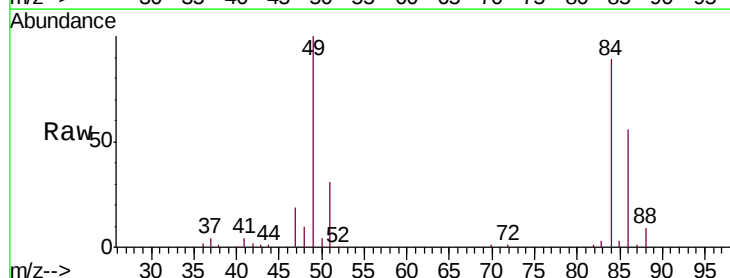
Tgt Ion: 84 Resp: 66997

Ion Ratio Lower Upper

84 100

49 112.9 77.4 143.8

86 63.4 44.0 81.6



Abundance Ion 84.00 (83.70 to 84.70): VV010979.D (-344) (-)

Ion 49.00 (48.70 to 49.70): VV010979.D (-344) (-)

Ion 86.00 (85.70 to 86.70): VV010979.D (-344) (-)

60000

50000

40000

30000

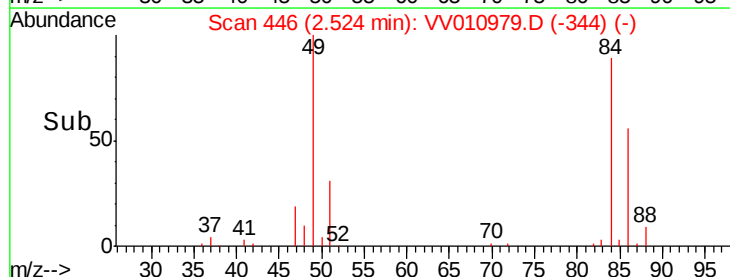
20000

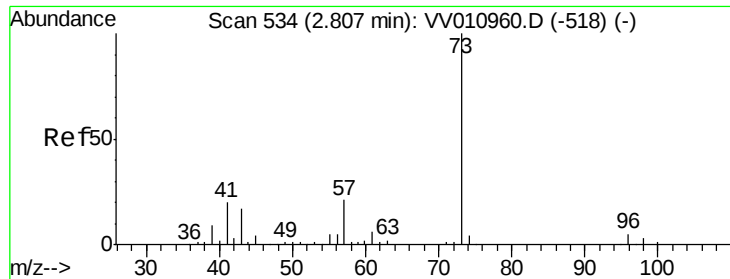
10000

0

2.45 2.50 2.55 2.60

Time-->

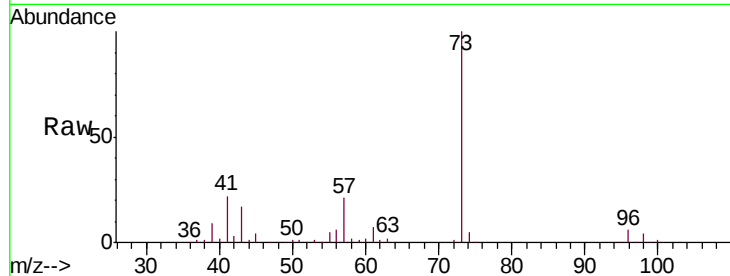




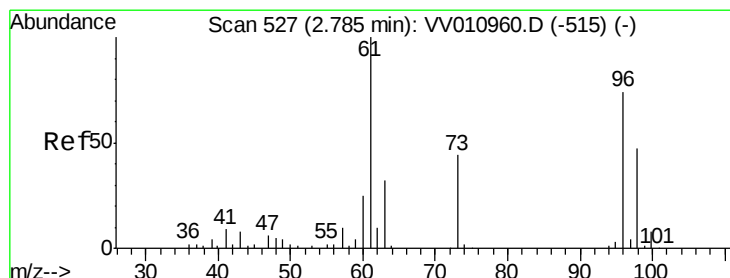
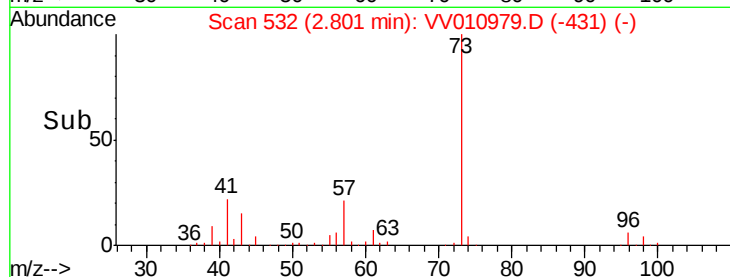
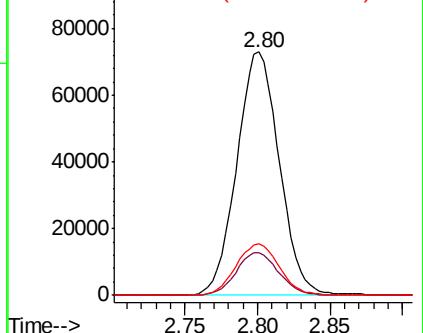
#17
Methyl tert-butyl Ether
Concen: 25.122 ug/L
RT: 2.80 min Scan# 532
Delta R.T. -0.01 min
Lab File: VV010979.D
Acq: 21 May 2019 02:06

Instrument :
MSVOA_V
ClientSampleId :
VSTD02566

Tgt Ion: 73 Resp: 148823
Ion Ratio Lower Upper
73 100
43 17.7 14.5 21.7
57 21.6 17.3 25.9

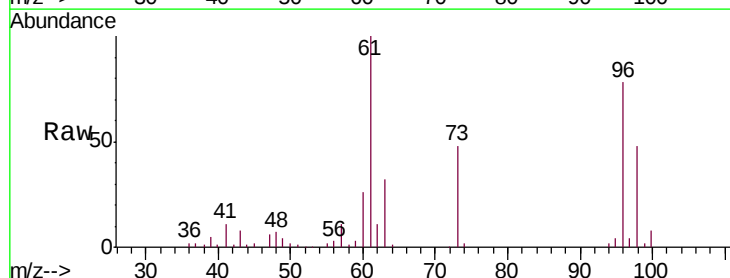


Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

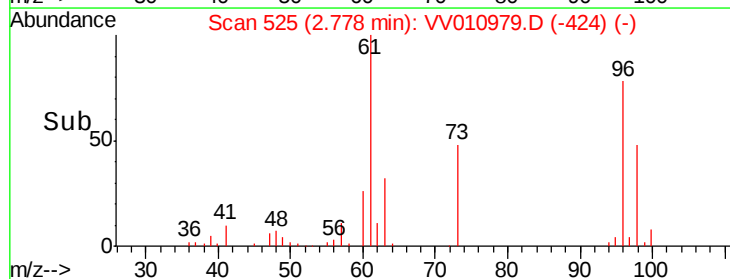
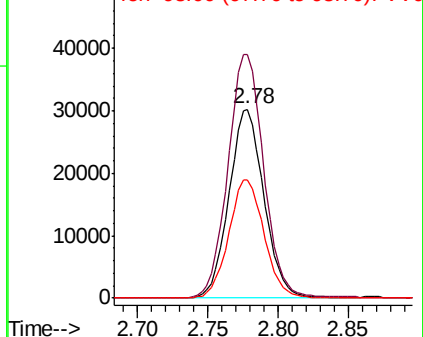


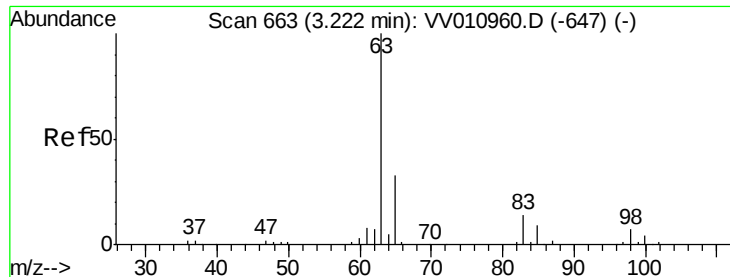
#18
trans-1,2-Dichloroethene
Concen: 22.759 ug/L
RT: 2.78 min Scan# 525
Delta R.T. -0.01 min
Lab File: VV010979.D
Acq: 21 May 2019 02:06

Tgt Ion: 96 Resp: 52567
Ion Ratio Lower Upper
96 100
61 128.7 89.7 166.5
98 62.4 44.5 82.7



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

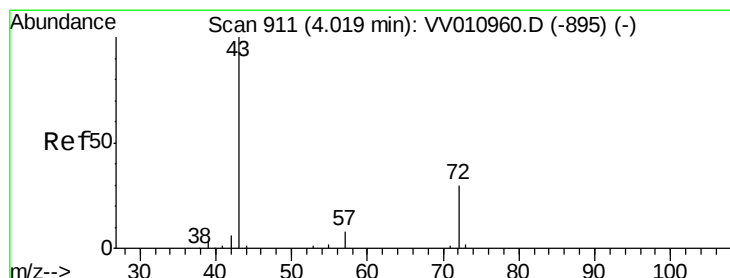
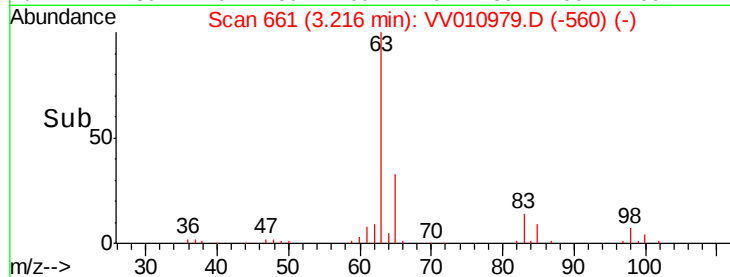
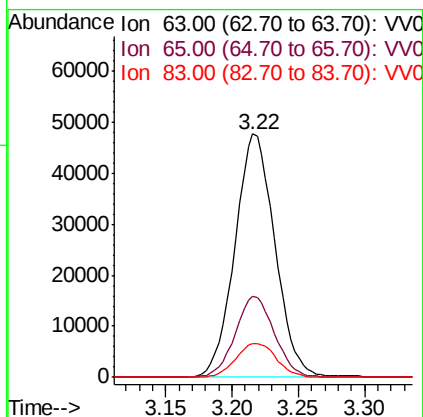
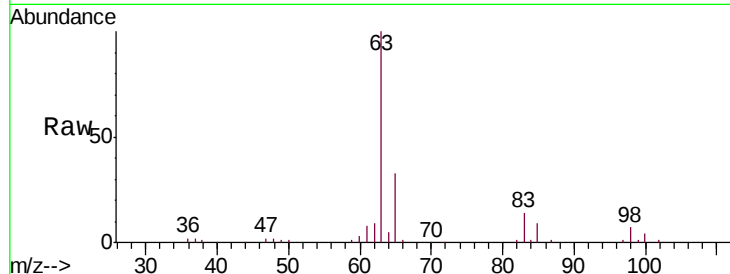




#19
 1,1-Dichloroethane
 Concen: 23.834 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. -0.01 min
 Lab File: VV010979.D
 Acq: 21 May 2019 02:06

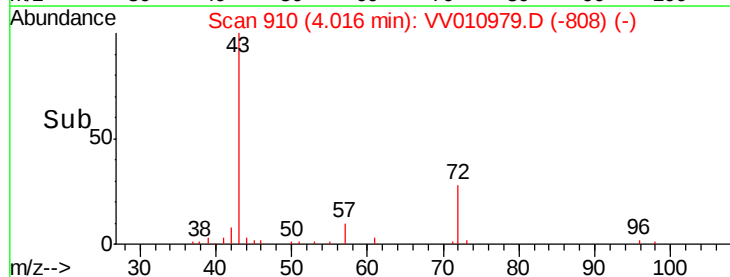
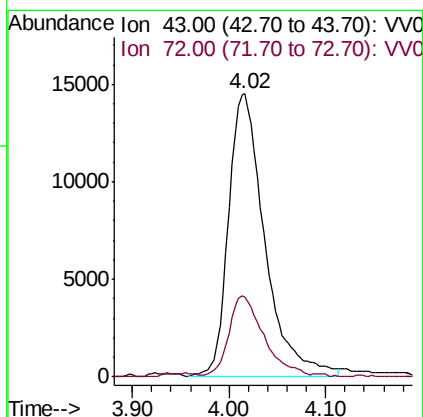
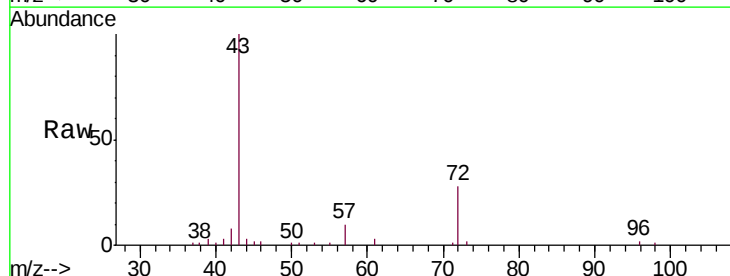
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02566

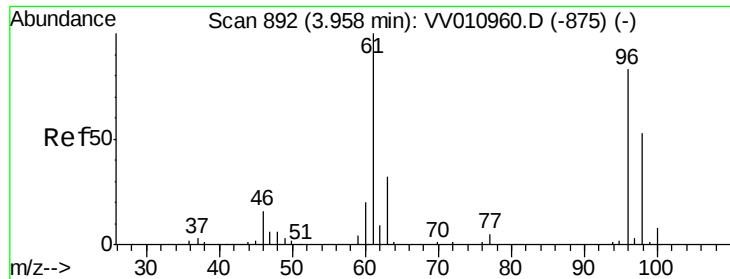
Tgt Ion: 63 Resp: 100236
 Ion Ratio Lower Upper
 63 100
 65 33.2 21.1 39.3
 83 13.8 9.1 16.9



#21
 2-Butanone
 Concen: 46.170 ug/L
 RT: 4.02 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: VV010979.D
 Acq: 21 May 2019 02:06

Tgt Ion: 43 Resp: 38027
 Ion Ratio Lower Upper
 43 100
 72 27.8 13.1 39.3



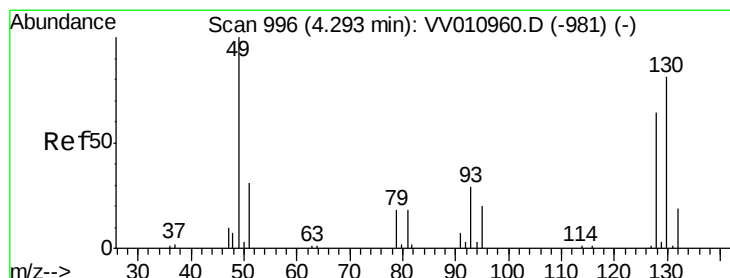
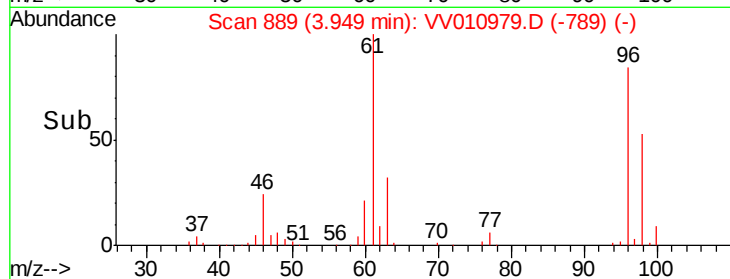
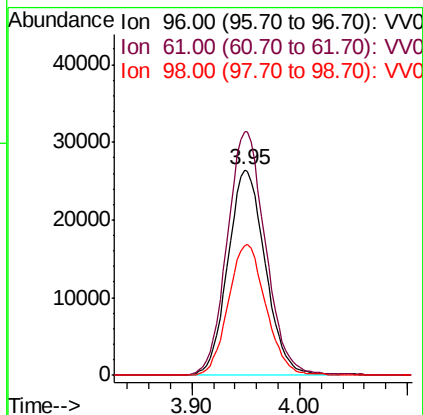
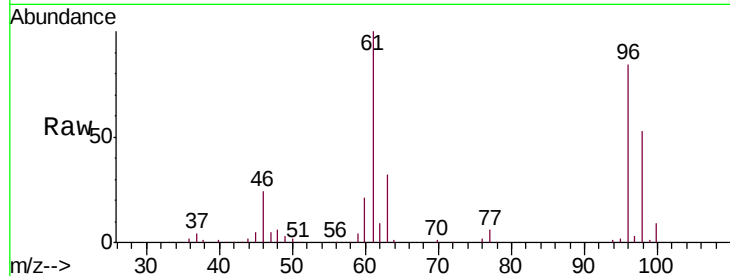


#22

cis-1,2-Dichloroethene
 Concen: 24.868 ug/L
 RT: 3.95 min Scan# 889
 Delta R.T. -0.01 min
 Lab File: VV010979.D
 Acq: 21 May 2019 02:06

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02566

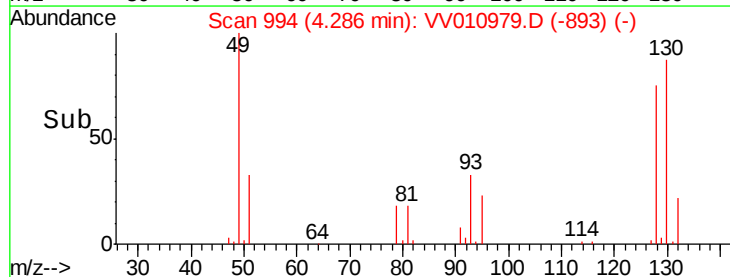
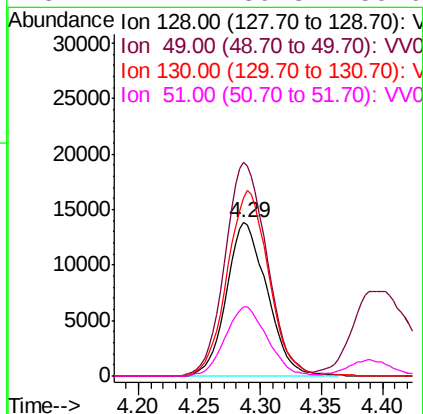
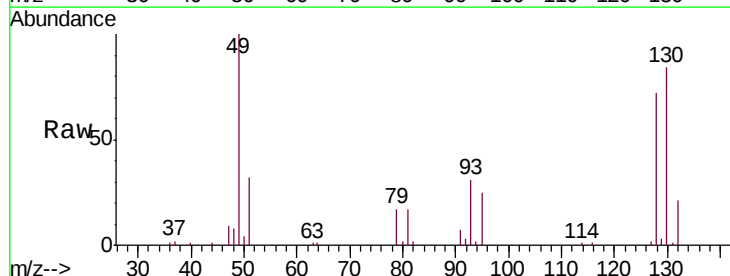
Tgt Ion: 96 Resp: 63952
 Ion Ratio Lower Upper
 96 100
 61 118.4 85.4 158.6
 98 62.9 45.1 83.7

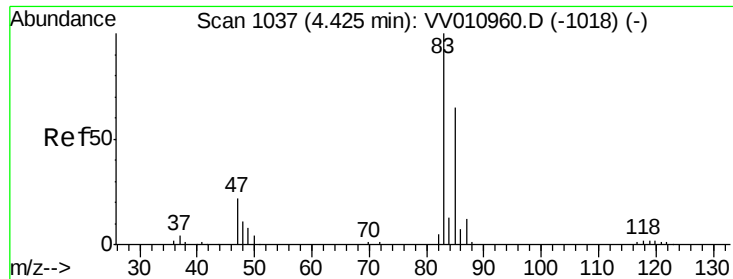


#23

Bromochloromethane
 Concen: 26.327 ug/L
 RT: 4.29 min Scan# 994
 Delta R.T. -0.01 min
 Lab File: VV010979.D
 Acq: 21 May 2019 02:06

Tgt Ion: 128 Resp: 32086
 Ion Ratio Lower Upper
 128 100
 49 139.3 111.6 207.4
 130 116.4 95.5 177.3
 51 44.7 39.8 59.6

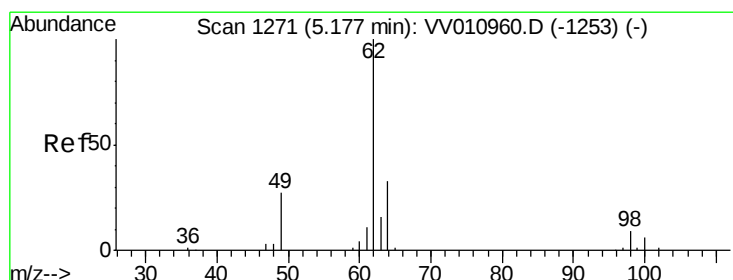
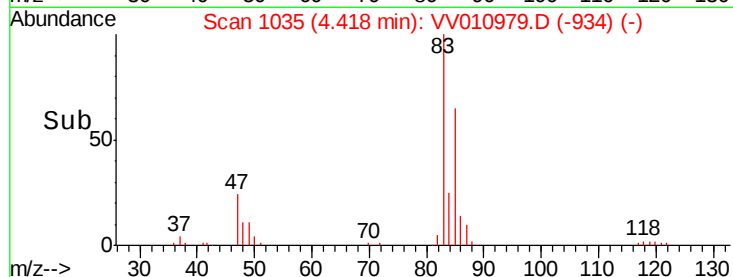
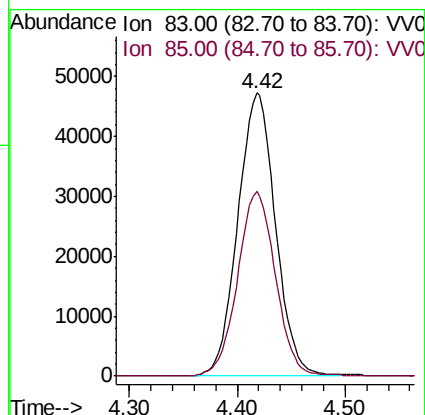
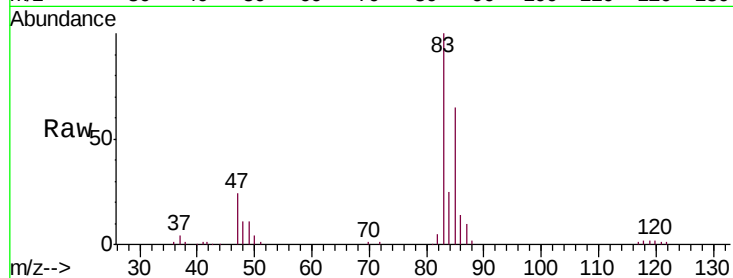




#25
Chloroform
Concen: 24.162 ug/L
RT: 4.42 min Scan# 1035
Delta R.T. -0.01 min
Lab File: VV010979.D
Acq: 21 May 2019 02:06

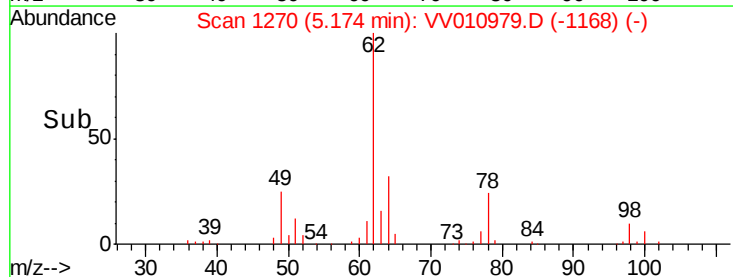
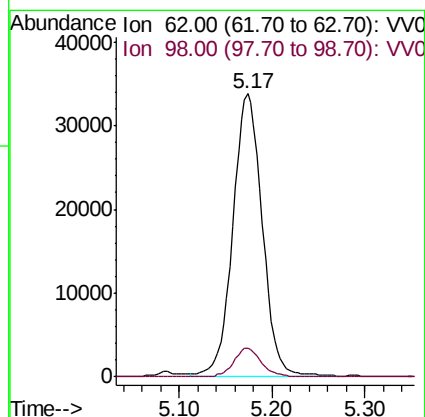
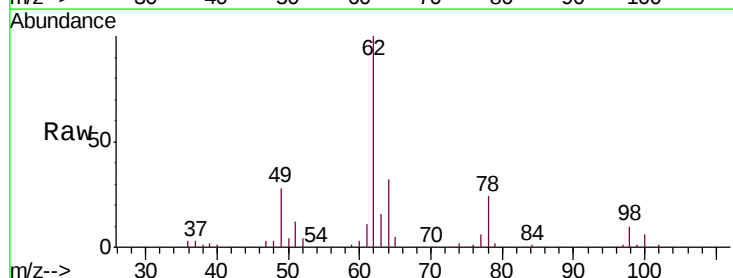
Instrument :
MSVOA_V
ClientSampleId :
VSTD02566

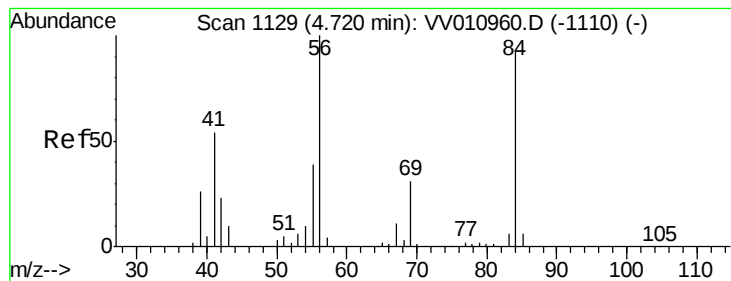
Tgt Ion: 83 Resp: 114982
Ion Ratio Lower Upper
83 100
85 65.5 45.6 84.8



#27
1,2-Dichloroethane
Concen: 25.545 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV010979.D
Acq: 21 May 2019 02:06

Tgt Ion: 62 Resp: 74729
Ion Ratio Lower Upper
62 100
98 10.2 8.6 13.0





#30

Cyclohexane

Concen: 20.230 ug/L

RT: 4.71 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VV010979.D

Acq: 21 May 2019 02:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD02566

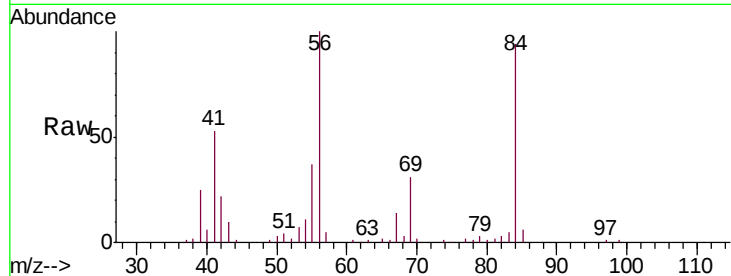
Tgt Ion: 56 Resp: 64528

Ion Ratio Lower Upper

56 100

69 31.3 25.1 37.7

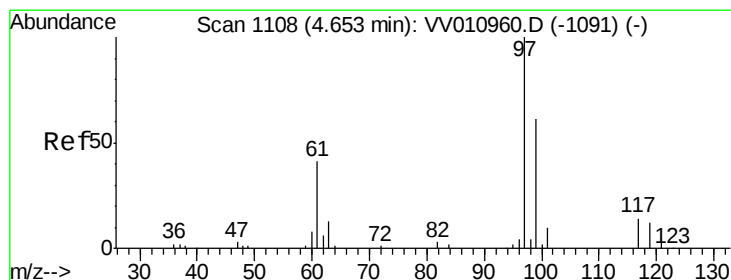
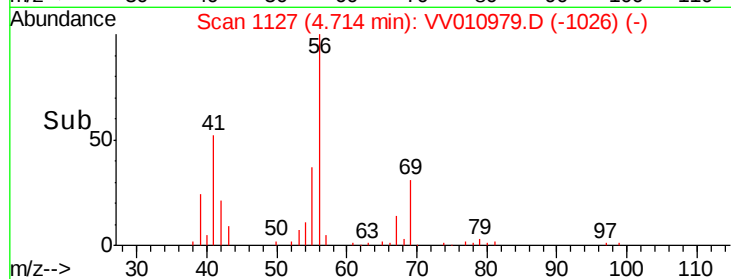
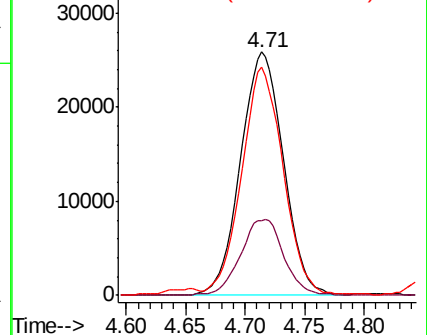
84 91.1 72.4 108.6



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#31

1,1,1-Trichloroethane

Concen: 23.975 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VV010979.D

Acq: 21 May 2019 02:06

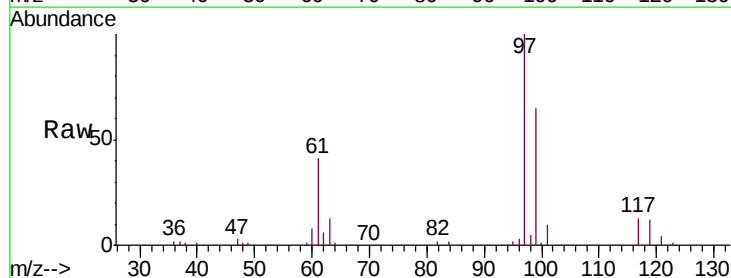
Tgt Ion: 97 Resp: 82786

Ion Ratio Lower Upper

97 100

99 63.4 51.0 76.4

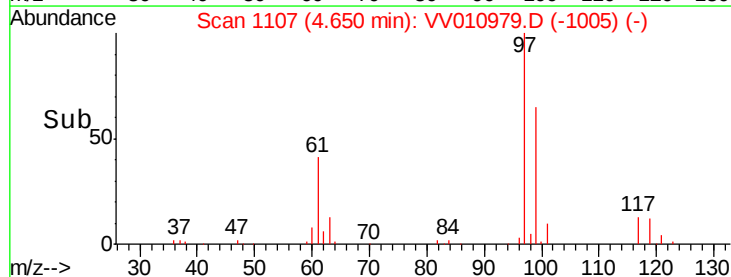
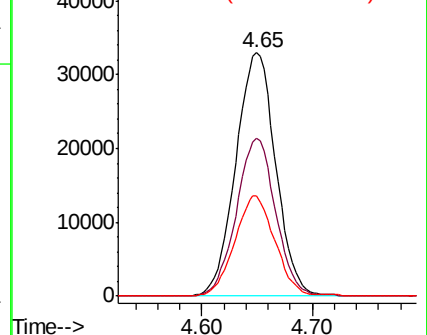
61 41.2 33.9 50.9

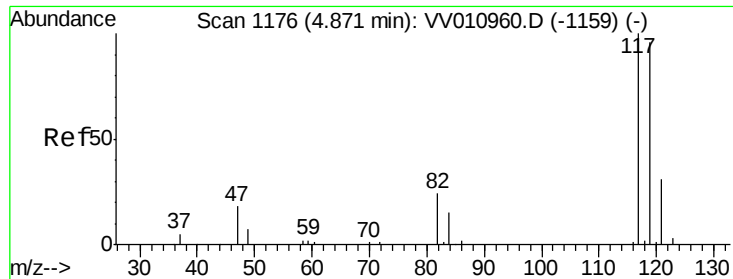


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.00 (60.70 to 61.70): VV0





#32

Carbon tetrachloride

Concen: 21.696 ug/L

RT: 4.86 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VV010979.D

Acq: 21 May 2019 02:06

Instrument :

MSVOA_V

ClientSampleId :

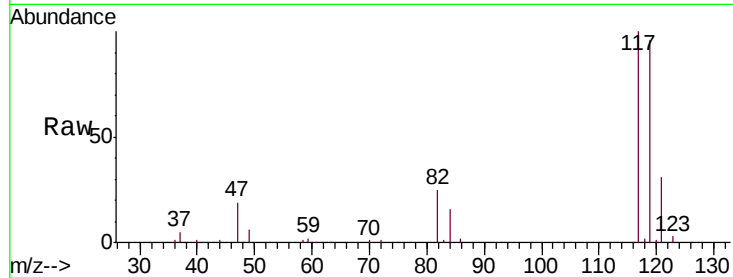
VSTD02566

Tgt Ion:117 Resp: 68319

Ion Ratio Lower Upper

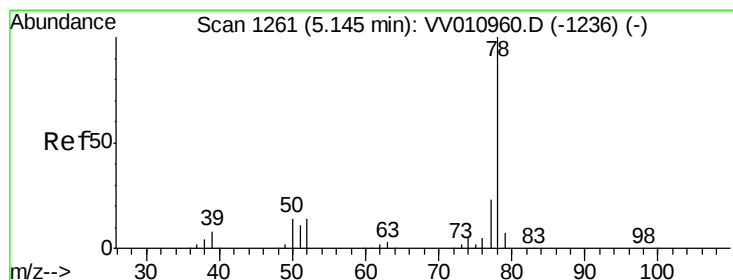
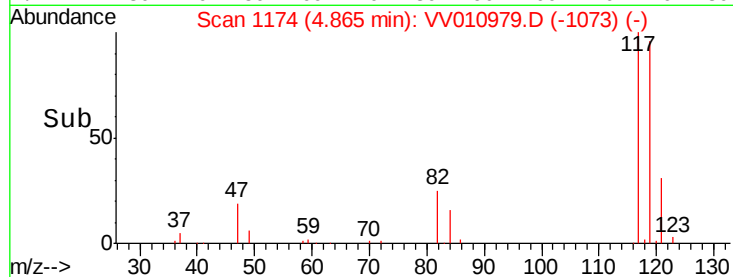
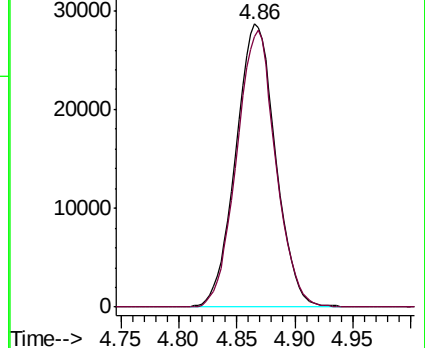
117 100

119 95.7 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.181 ug/L

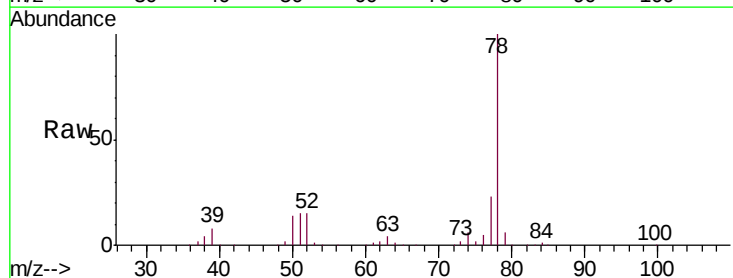
RT: 5.14 min Scan# 1259

Delta R.T. -0.01 min

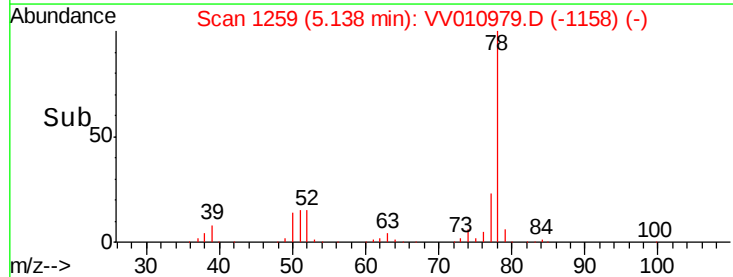
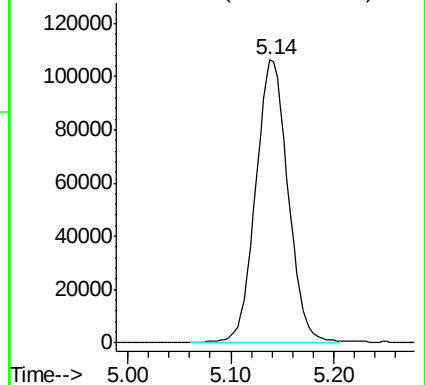
Lab File: VV010979.D

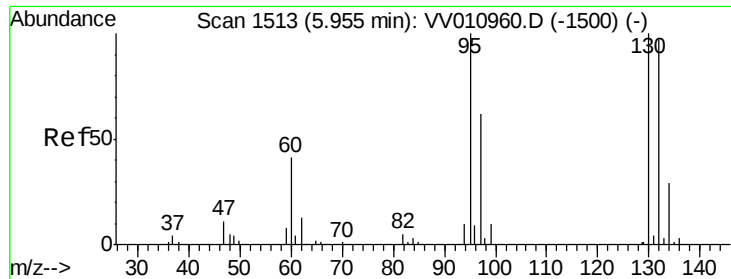
Acq: 21 May 2019 02:06

Tgt Ion: 78 Resp: 231679



Abundance Ion 78.00 (77.70 to 78.70): VV0

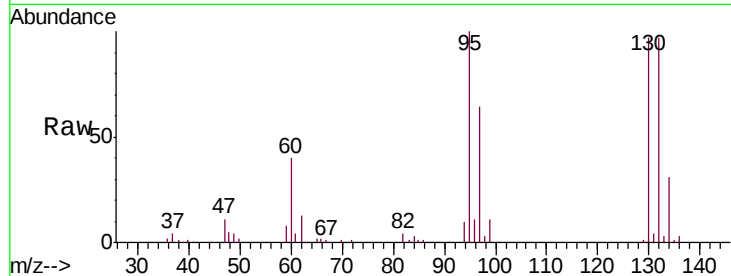




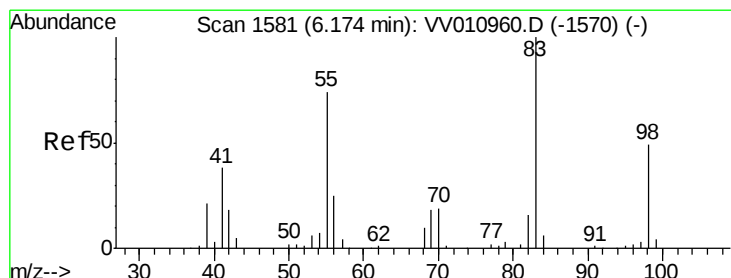
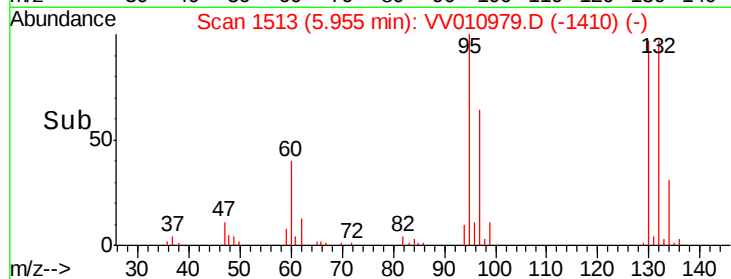
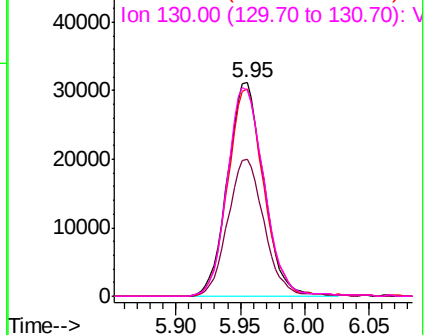
#35
 Trichloroethene
 Concen: 24.798 ug/L
 RT: 5.95 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VV010979.D
 Acq: 21 May 2019 02:06

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02566

Tgt Ion: 95 Resp: 60630
 Ion Ratio Lower Upper
 95 100
 97 63.9 43.4 80.6
 132 96.7 68.8 127.8
 130 99.7 69.9 129.9

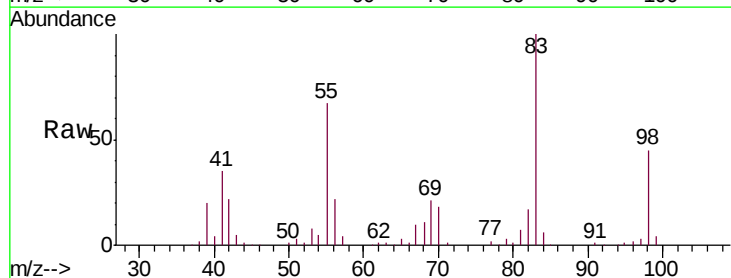


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

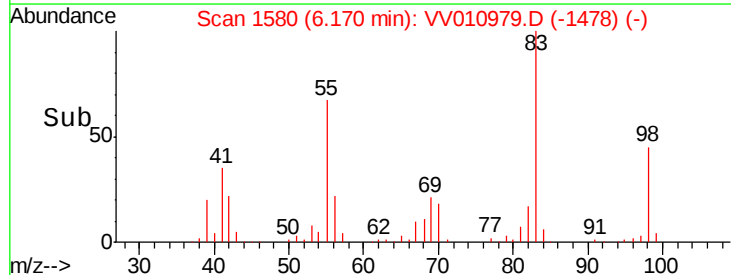
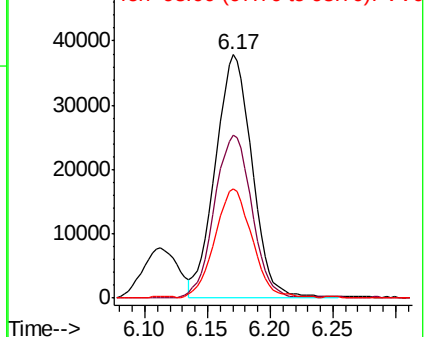


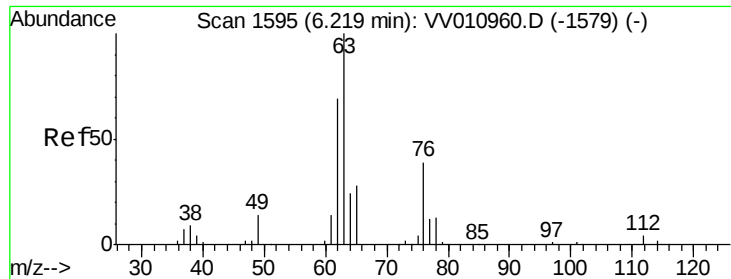
#36
 Methylcyclohexane
 Concen: 21.400 ug/L
 RT: 6.17 min Scan# 1580
 Delta R.T. -0.00 min
 Lab File: VV010979.D
 Acq: 21 May 2019 02:06

Tgt Ion: 83 Resp: 77350
 Ion Ratio Lower Upper
 83 100
 55 67.9 57.0 85.4
 98 45.5 36.2 54.4



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

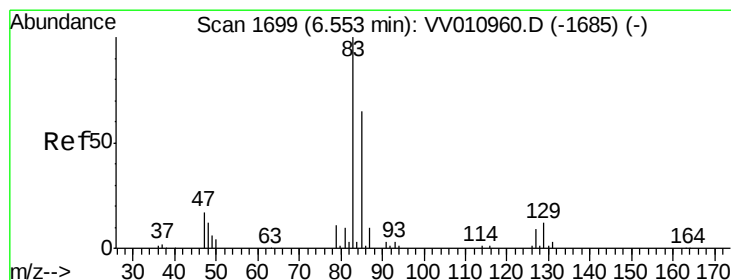
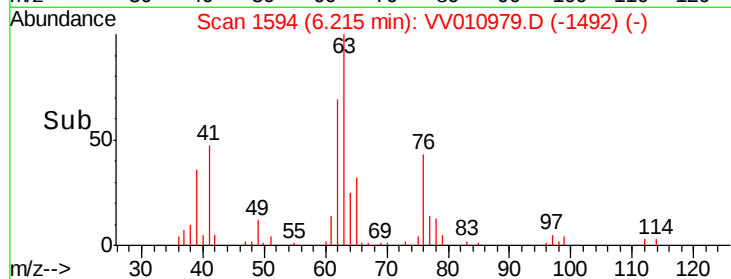
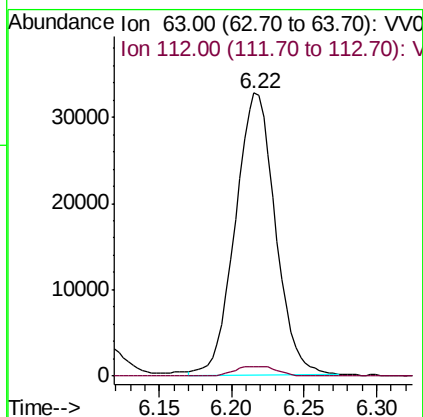
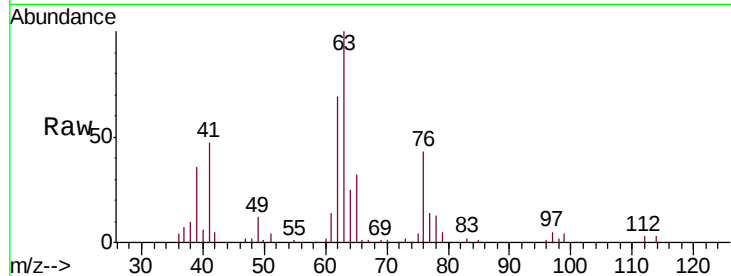




#40
 1,2-Dichloropropane
 Concen: 26.844 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV010979.D
 Acq: 21 May 2019 02:06

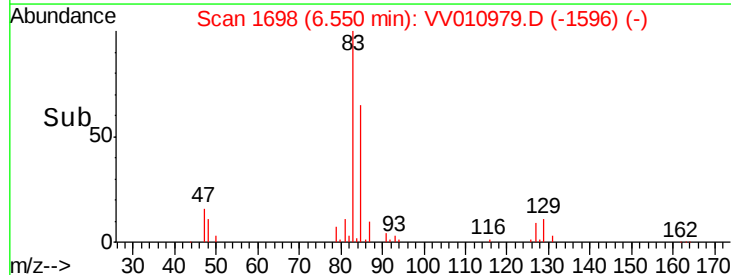
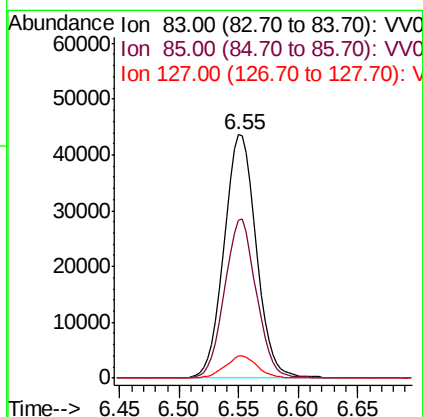
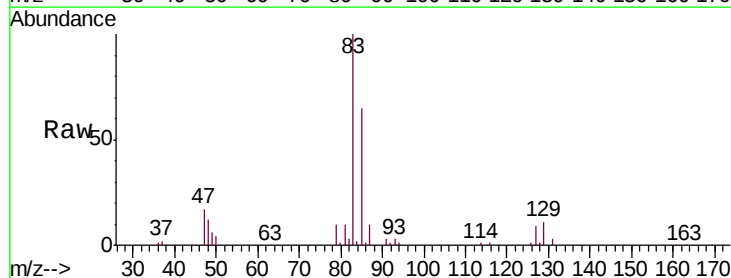
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02566

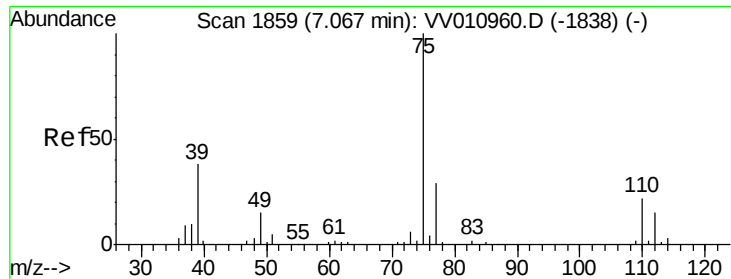
Tgt Ion: 63 Resp: 62429
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.6 5.4



#41
 Bromodichloromethane
 Concen: 26.337 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VV010979.D
 Acq: 21 May 2019 02:06

Tgt Ion: 83 Resp: 81866
 Ion Ratio Lower Upper
 83 100
 85 64.8 46.7 86.7
 127 8.9 7.1 10.7



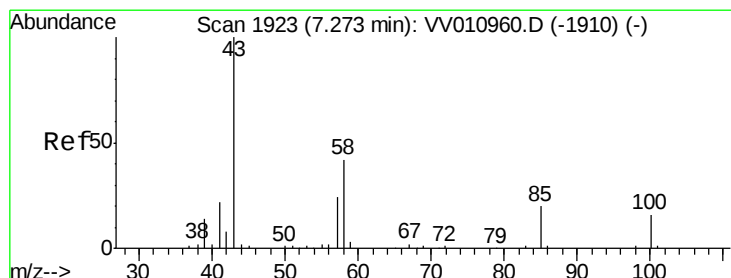
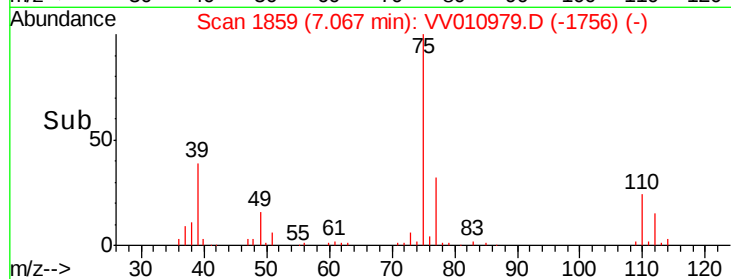
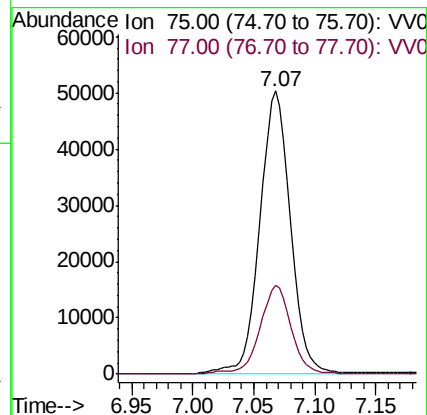
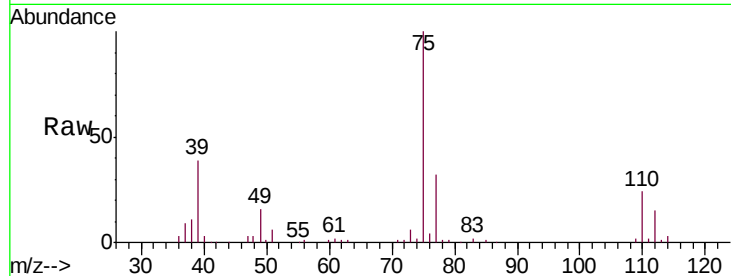


#42

cis-1,3-Dichloropropene
 Concen: 25.345 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV010979.D
 Acq: 21 May 2019 02:06

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD02566

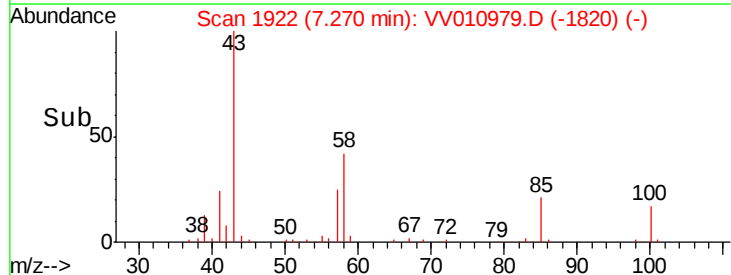
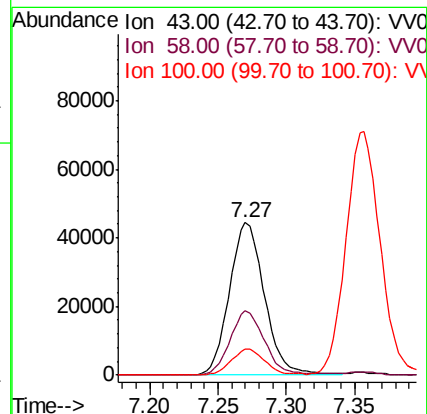
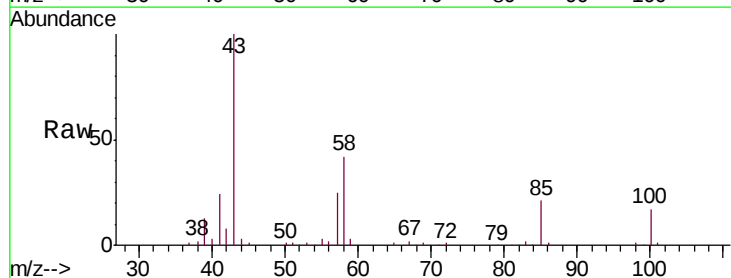
Tgt Ion: 75 Resp: 87733
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.9 42.5

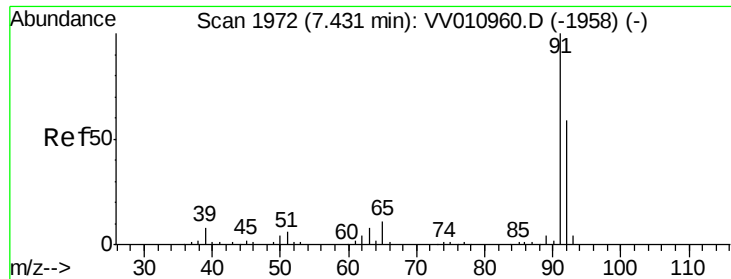


#43

4-Methyl-2-pentanone
 Concen: 47.798 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VV010979.D
 Acq: 21 May 2019 02:06

Tgt Ion: 43 Resp: 79683
 Ion Ratio Lower Upper
 43 100
 58 41.1 33.1 49.7
 100 16.7 13.1 19.7





#44

Toluene

Concen: 25.262 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV010979.D

Acq: 21 May 2019 02:06

Instrument :

MSVOA_V

ClientSampleId :

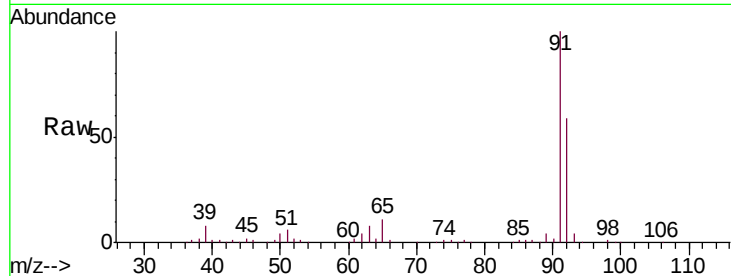
VSTD02566

Tgt Ion: 91 Resp: 248075

Ion Ratio Lower Upper

91 100

92 58.9 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.43

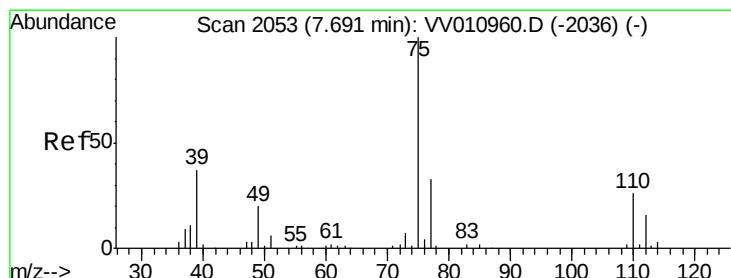
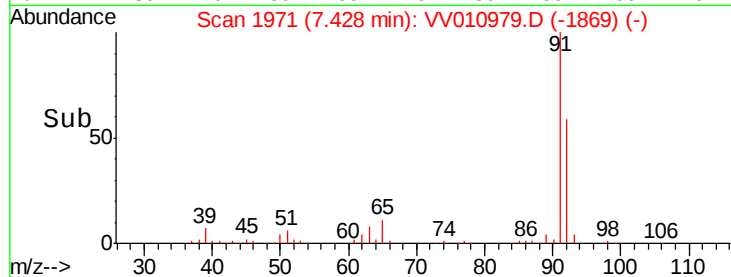
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 24.093 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV010979.D

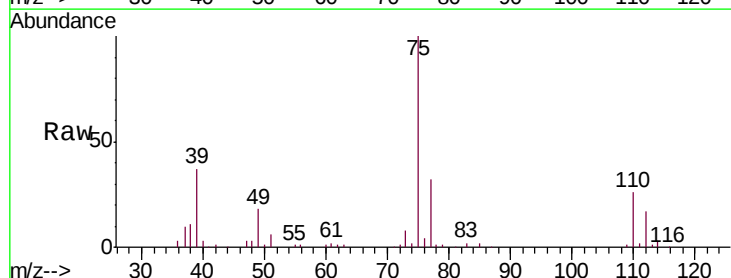
Acq: 21 May 2019 02:06

Tgt Ion: 75 Resp: 70252

Ion Ratio Lower Upper

75 100

77 31.9 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.69

50000

40000

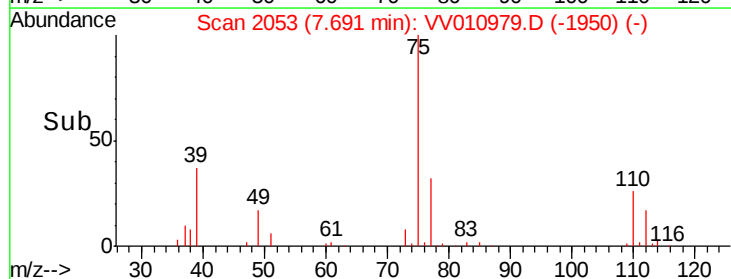
30000

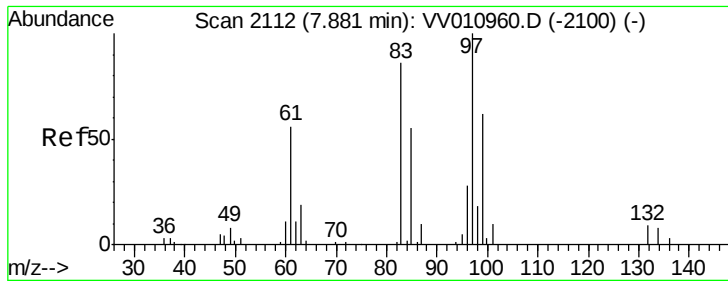
20000

10000

0

Time-->

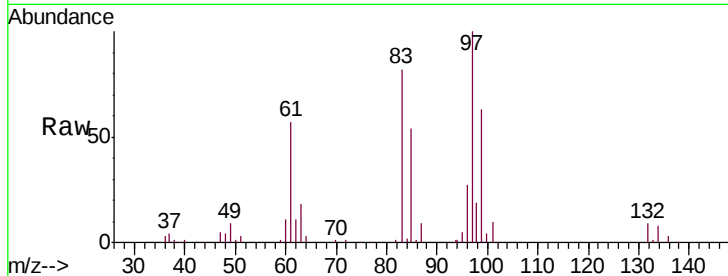




#46
 1,1,2-Trichloroethane
 Concen: 26.930 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV010979.D
 Acq: 21 May 2019 02:06

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02566

Tgt Ion:	97	Resp:	53367
Ion	Ratio	Lower	Upper
97	100		
83	82.3	61.6	114.4
85	53.8	40.2	74.6
99	63.4	45.1	83.7



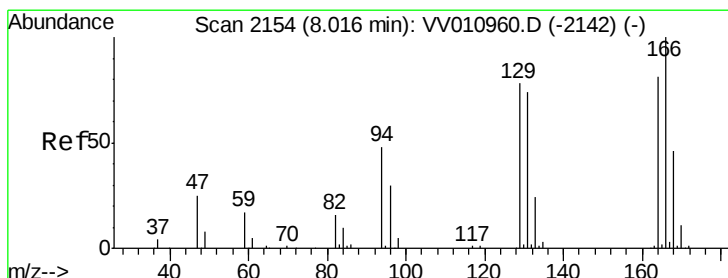
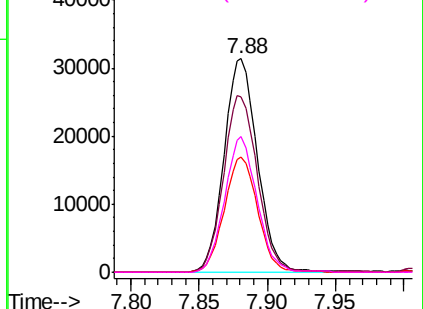
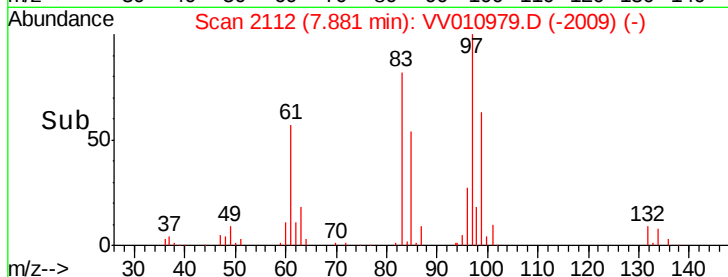
Abundance

Ion 97.00 (96.70 to 97.70): VV010979.D (-2099) (-)

Ion 83.00 (82.70 to 83.70): VV010979.D (-2099) (-)

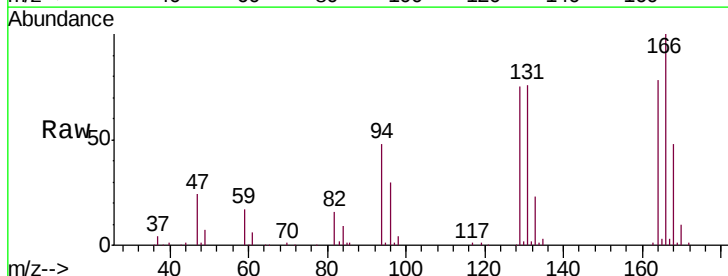
Ion 85.00 (84.70 to 85.70): VV010979.D (-2099) (-)

Ion 99.00 (98.70 to 99.70): VV010979.D (-2099) (-)



#47
 Tetrachloroethene
 Concen: 21.896 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV010979.D
 Acq: 21 May 2019 02:06

Tgt Ion:	164	Resp:	41788
Ion	Ratio	Lower	Upper
164	100		
129	96.4	67.8	125.8
131	98.2	64.1	119.1
166	128.9	86.1	159.9



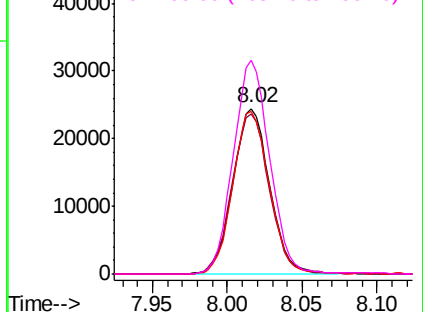
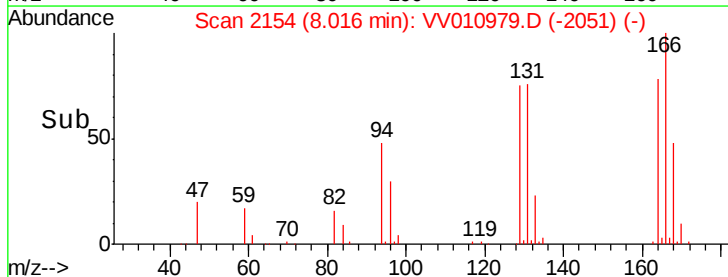
Abundance

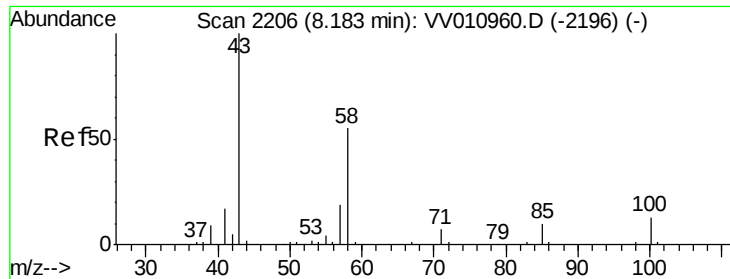
Ion 164.00 (163.70 to 164.70): VV010979.D (-2051) (-)

Ion 129.00 (128.70 to 129.70): VV010979.D (-2051) (-)

Ion 131.00 (130.70 to 131.70): VV010979.D (-2051) (-)

Ion 166.00 (165.70 to 166.70): VV010979.D (-2051) (-)

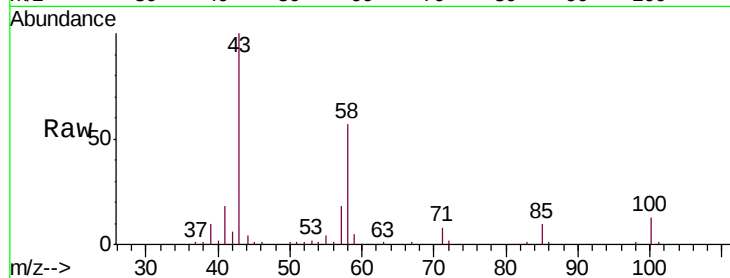




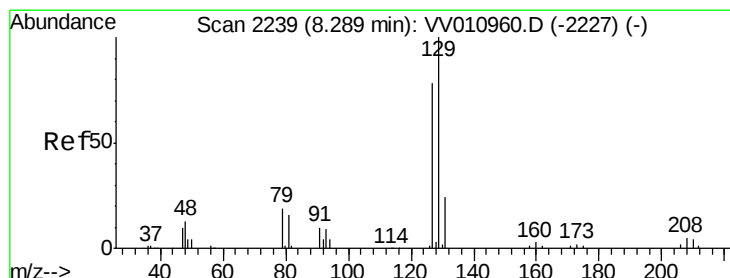
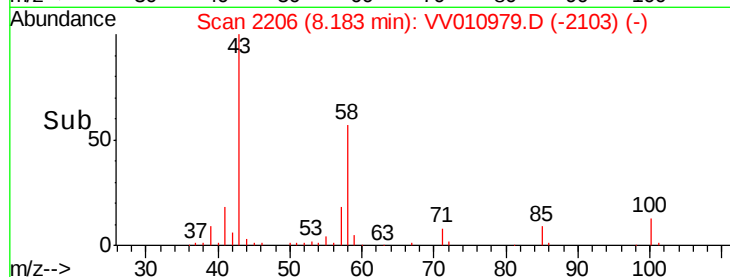
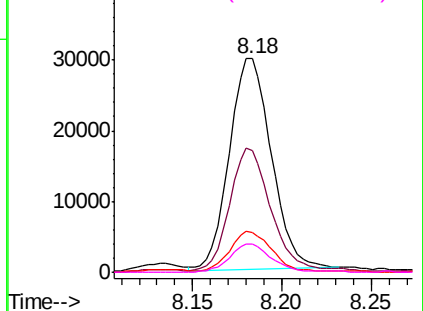
#49
2-Hexanone
Concen: 40.162 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV010979.D
Acq: 21 May 2019 02:06

Instrument :
MSVOA_V
ClientSampleId :
VSTD02566

Tgt Ion: 43 Resp: 48885
Ion Ratio Lower Upper
43 100
58 56.1 46.0 69.0
57 18.5 14.5 21.7
100 12.9 10.3 15.5

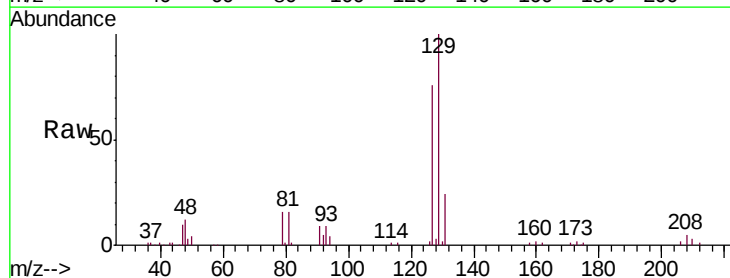


Abundance Ion 43.00 (42.70 to 43.70): VV010979.D (-2136) (-)
Ion 58.00 (57.70 to 58.70): VV010979.D (-2136) (-)
Ion 57.00 (56.70 to 57.70): VV010979.D (-2136) (-)
Ion 100.00 (99.70 to 100.70): VV010979.D (-2136) (-)

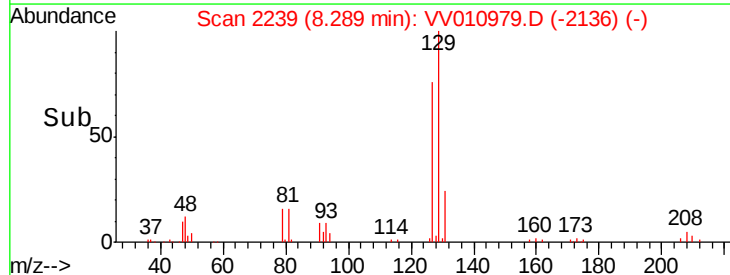
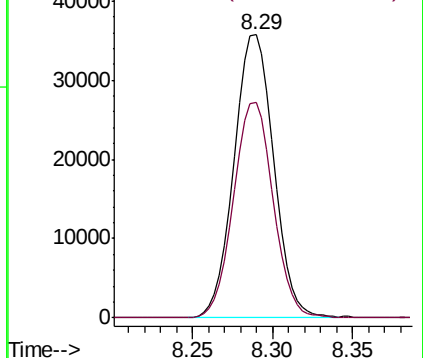


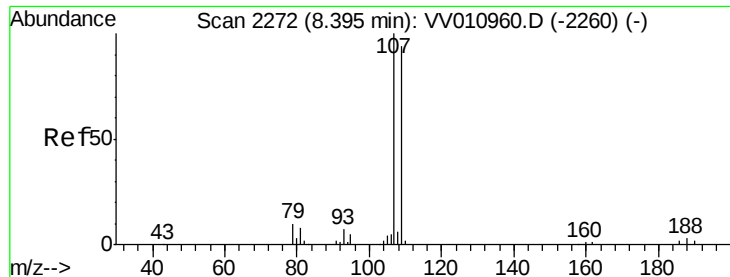
#50
Dibromochloromethane
Concen: 25.955 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV010979.D
Acq: 21 May 2019 02:06

Tgt Ion: 129 Resp: 60539
Ion Ratio Lower Upper
129 100
127 76.3 54.4 101.0



Abundance Ion 129.00 (128.70 to 129.70): VV010979.D (-2136) (-)
Ion 127.00 (126.70 to 127.70): VV010979.D (-2136) (-)





#51

1,2-Dibromoethane

Concen: 25.267 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VV010979.D

Acq: 21 May 2019 02:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD02566

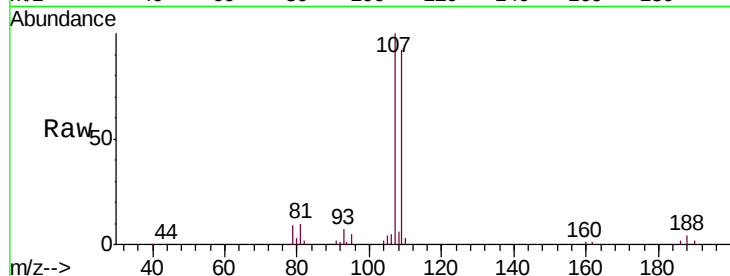
Tgt Ion:107 Resp: 48421

Ion Ratio Lower Upper

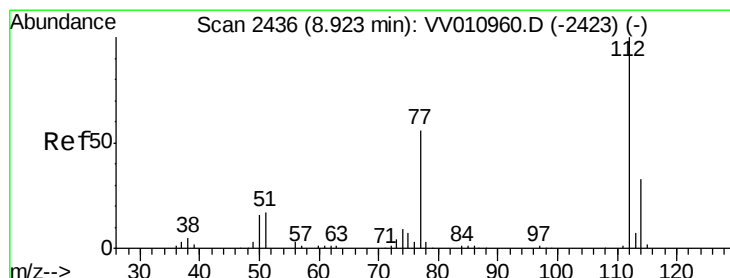
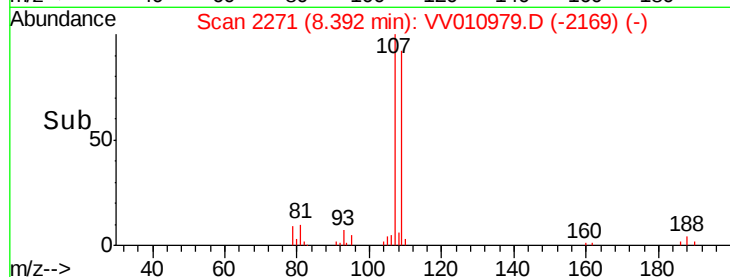
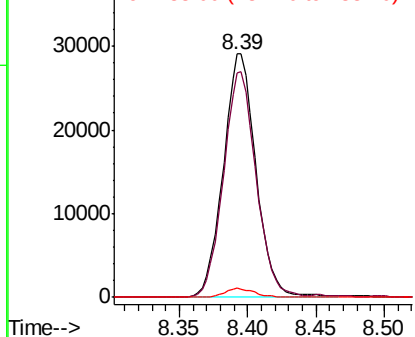
107 100

109 92.2 68.0 126.4

188 3.7 2.3 3.5#



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



#52

Chlorobenzene

Concen: 24.939 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV010979.D

Acq: 21 May 2019 02:06

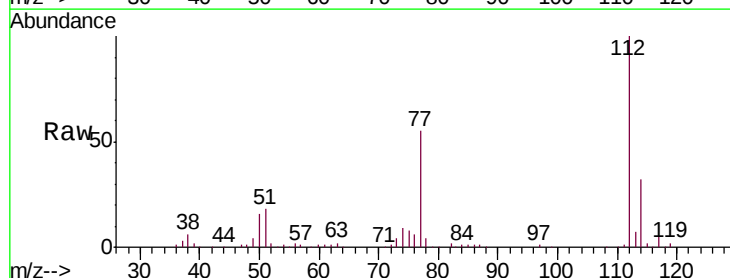
Tgt Ion:112 Resp: 167864

Ion Ratio Lower Upper

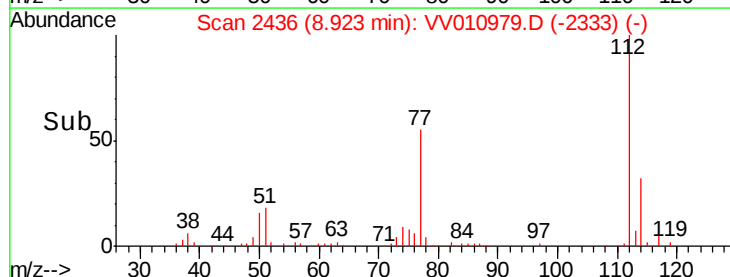
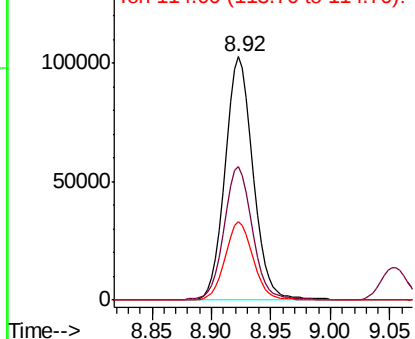
112 100

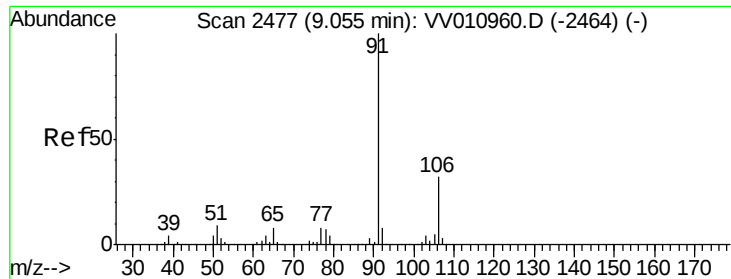
77 54.7 43.0 64.4

114 32.1 22.0 40.8



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: 24.056 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV010979.D

Acq: 21 May 2019 02:06

Instrument :

MSVOA_V

ClientSampleId :

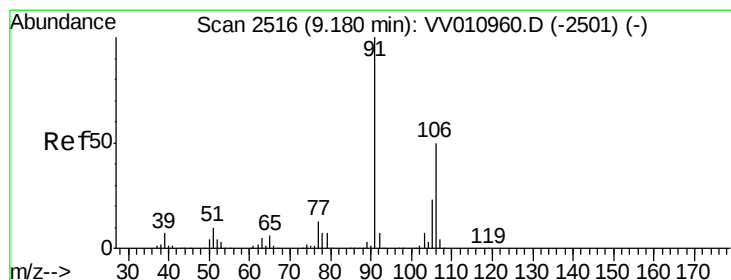
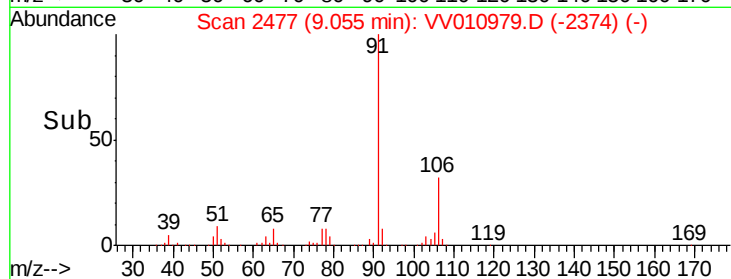
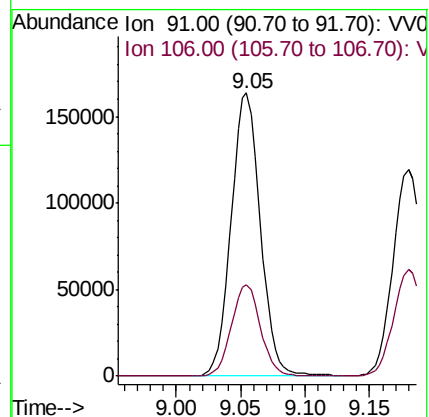
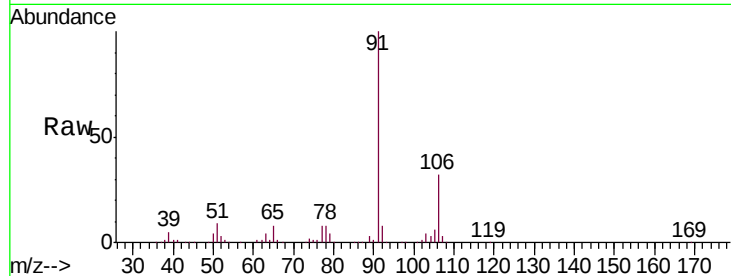
VSTD02566

Tgt Ion: 91 Resp: 257402

Ion Ratio Lower Upper

91 100

106 32.5 22.4 41.6



#54

m,p-Xylene

Concen: 23.891 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV010979.D

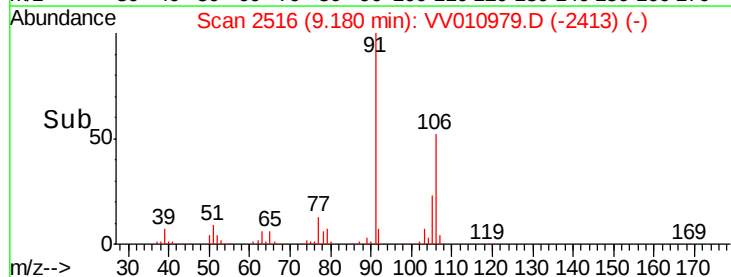
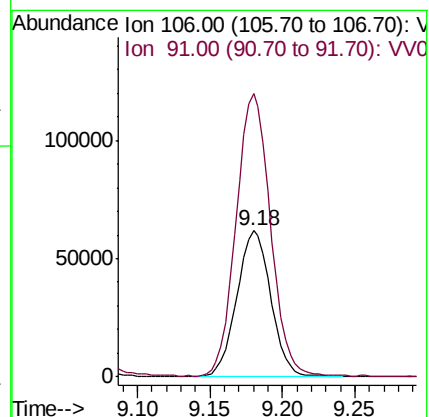
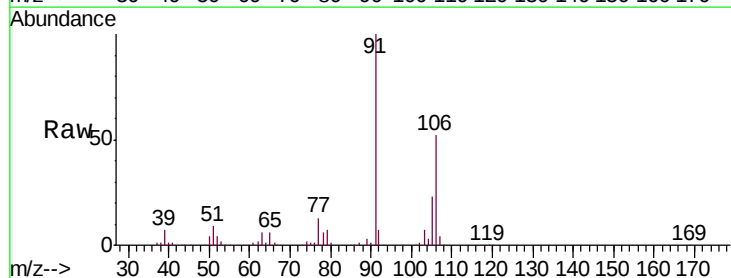
Acq: 21 May 2019 02:06

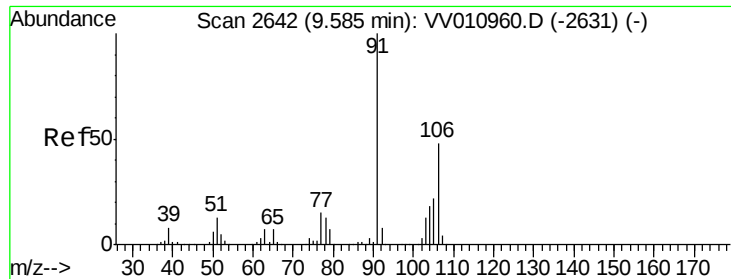
Tgt Ion: 106 Resp: 99634

Ion Ratio Lower Upper

106 100

91 194.0 138.3 256.9





#55

o-xylene

Concen: 25.394 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV010979.D

Acq: 21 May 2019 02:06

Instrument :

MSVOA_V

ClientSampleId :

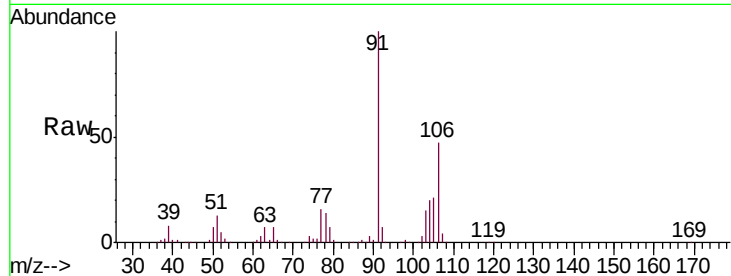
VSTD02566

Tgt Ion:106 Resp: 101040

Ion Ratio Lower Upper

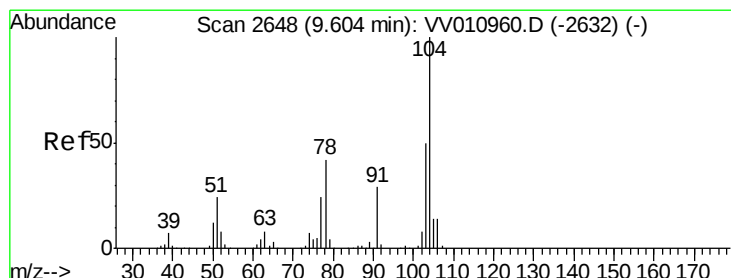
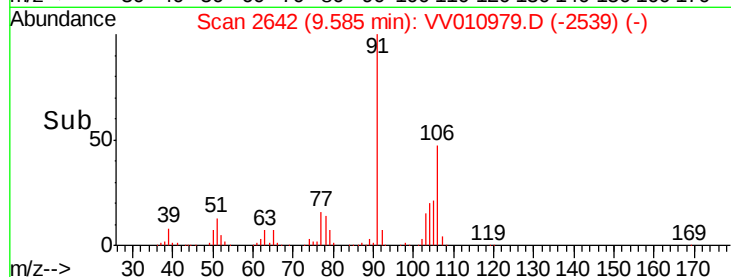
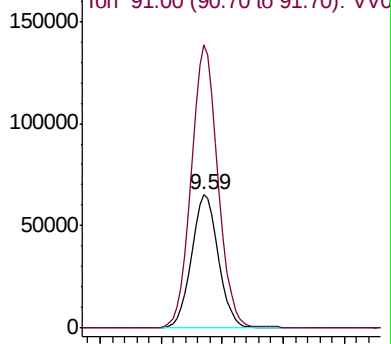
106 100

91 212.6 145.9 270.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 25.930 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. -0.00 min

Lab File: VV010979.D

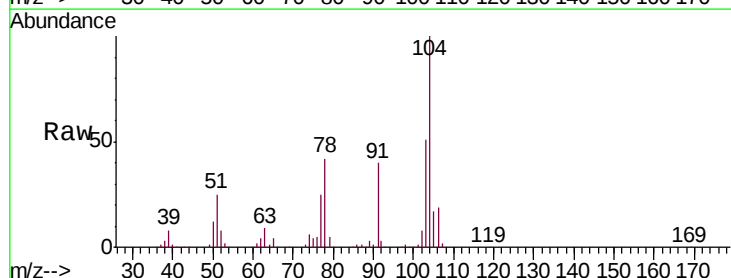
Acq: 21 May 2019 02:06

Tgt Ion:104 Resp: 177812

Ion Ratio Lower Upper

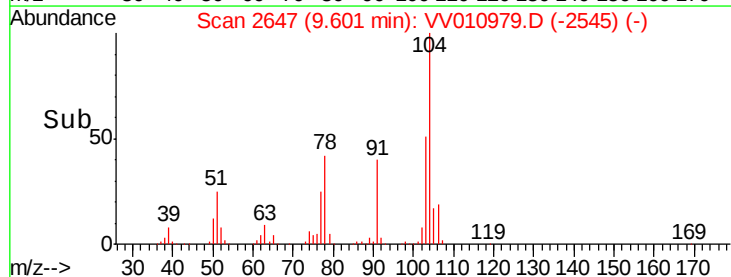
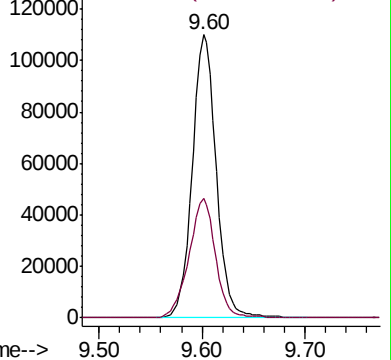
104 100

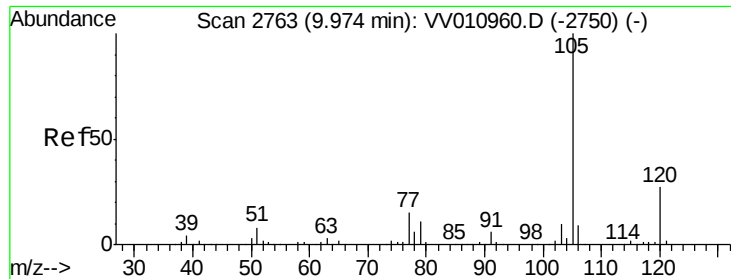
78 42.3 29.2 54.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 23.816 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV010979.D

Acq: 21 May 2019 02:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD02566

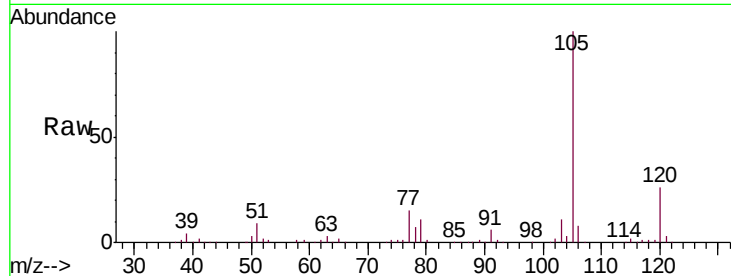
Tgt Ion: 105 Resp: 249985

Ion Ratio Lower Upper

105 100

120 26.7 21.9 32.9

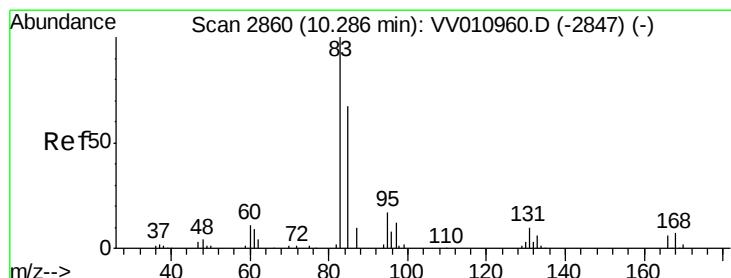
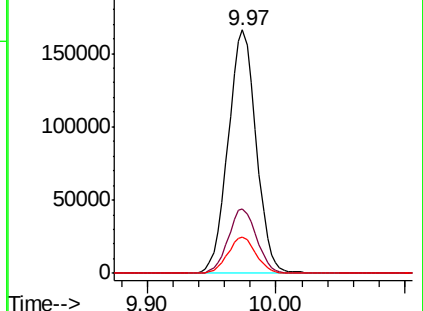
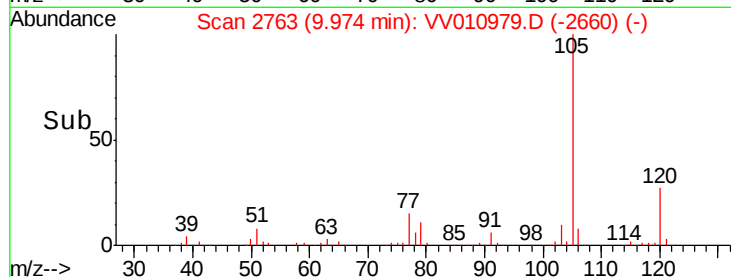
77 14.8 12.2 18.2



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: 23.418 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV010979.D

Acq: 21 May 2019 02:06

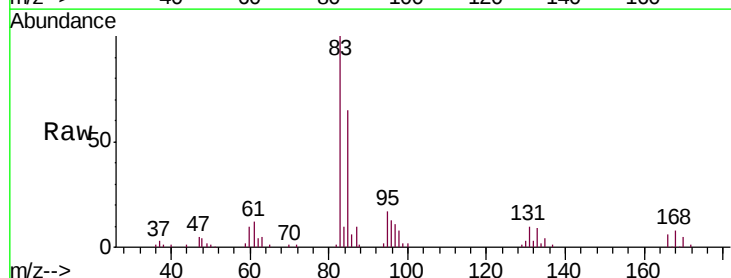
Tgt Ion: 83 Resp: 61104

Ion Ratio Lower Upper

83 100

85 64.8 44.4 82.5

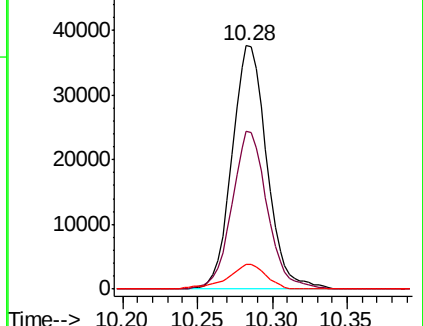
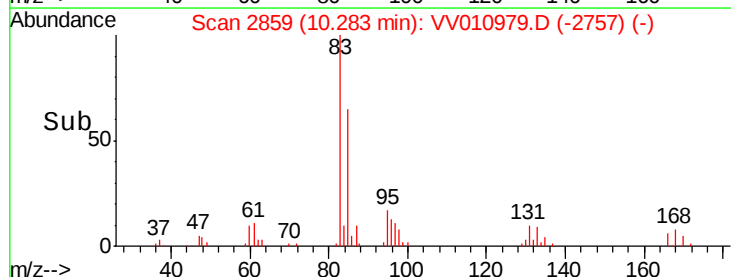
131 10.3 8.2 12.4

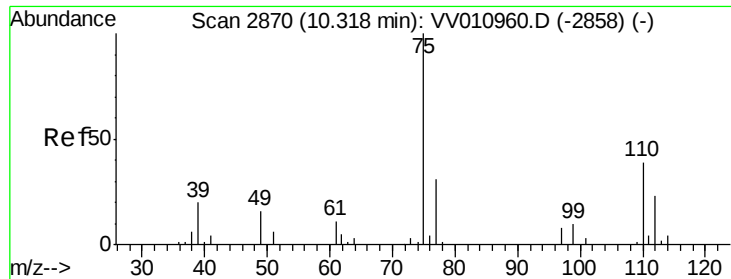


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

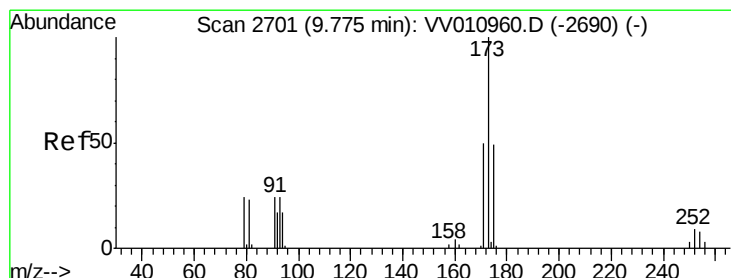
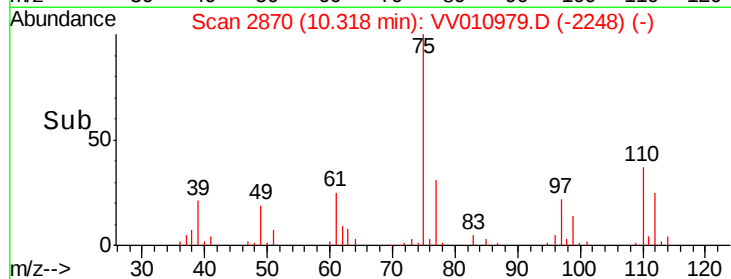
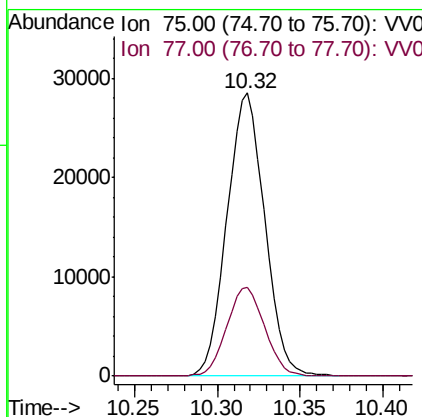
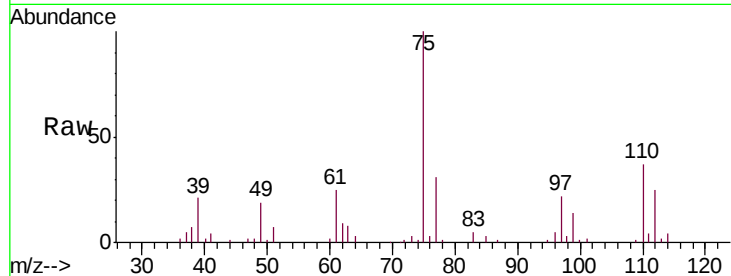




#59
 1,2,3-Trichloropropane
 Concen: 23.524 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV010979.D
 Acq: 21 May 2019 02:06

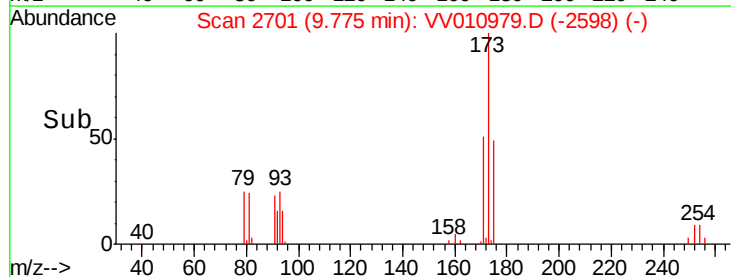
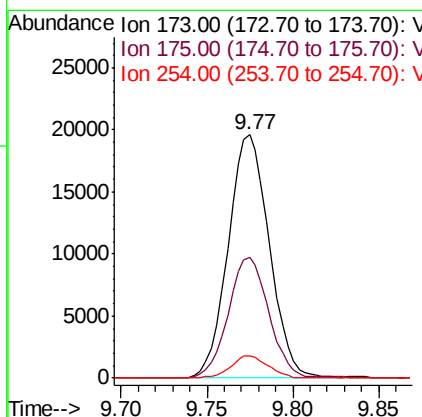
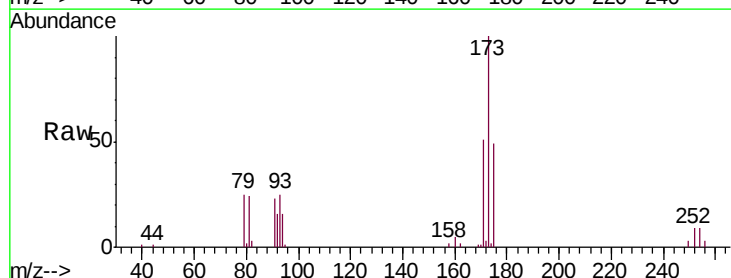
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02566

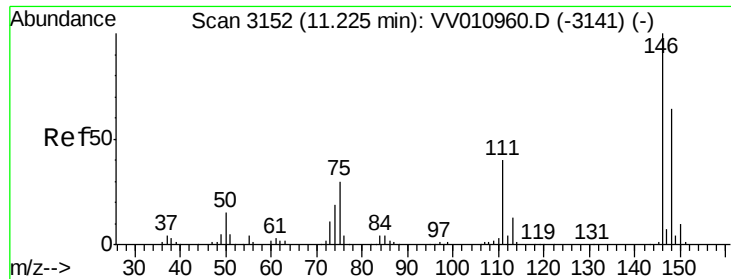
Tgt Ion: 75 Resp: 45090
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.4 38.2



#62
 Bromoform
 Concen: 26.293 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV010979.D
 Acq: 21 May 2019 02:06

Tgt Ion: 173 Resp: 32642
 Ion Ratio Lower Upper
 173 100
 175 48.9 40.3 60.5
 254 8.3 6.1 9.1

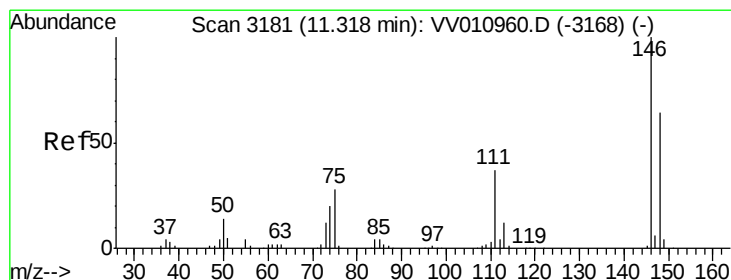
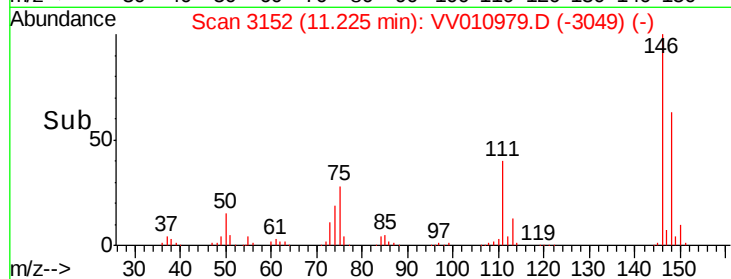
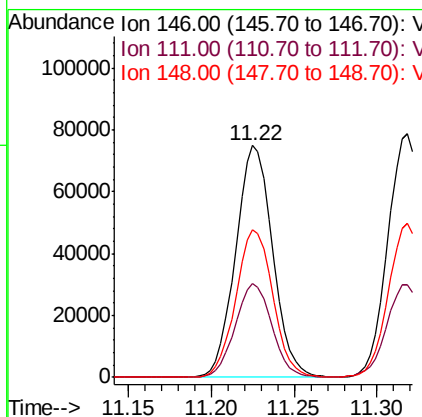
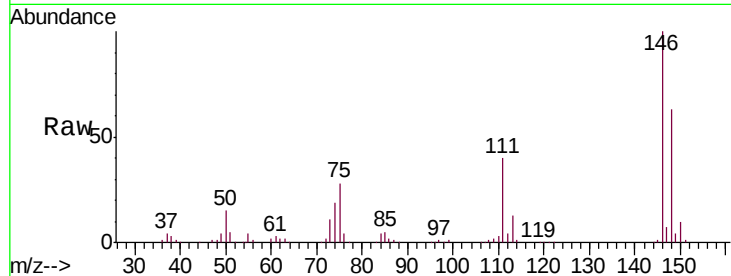




#63
 1,3-Dichlorobenzene
 Concen: 24.433 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV010979.D
 Acq: 21 May 2019 02:06

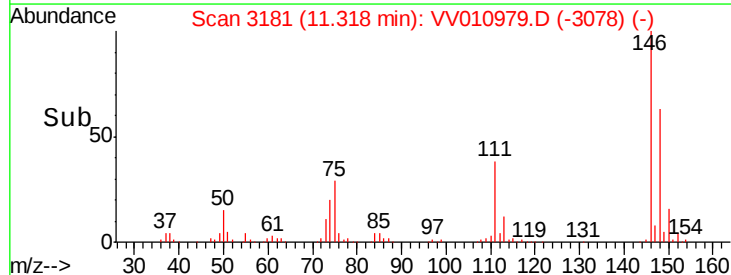
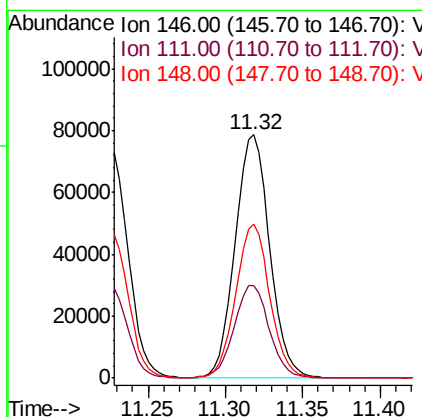
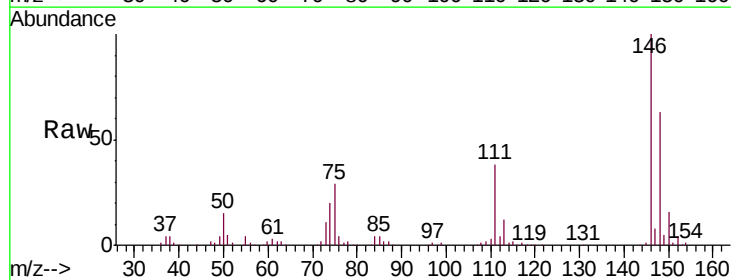
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02566

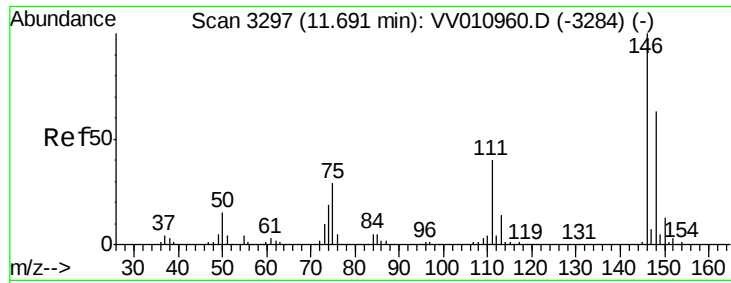
Tgt Ion:146 Resp: 116545
 Ion Ratio Lower Upper
 146 100
 111 40.4 28.4 52.8
 148 63.4 44.8 83.2



#64
 1,4-Dichlorobenzene
 Concen: 24.722 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV010979.D
 Acq: 21 May 2019 02:06

Tgt Ion:146 Resp: 121446
 Ion Ratio Lower Upper
 146 100
 111 38.2 26.5 49.1
 148 63.2 45.0 83.6





#65

1,2-Dichlorobenzene

Concen: 25.443 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV010979.D

Acq: 21 May 2019 02:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD02566

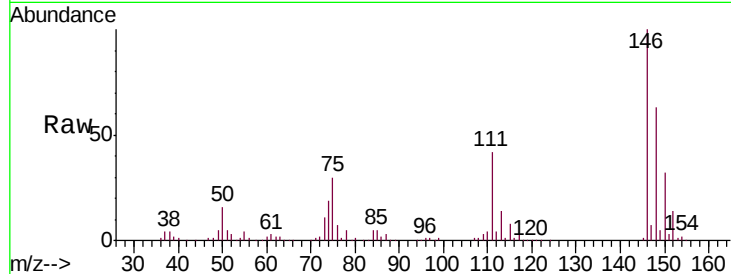
Tgt Ion: 146 Resp: 117672

Ion Ratio Lower Upper

146 100

111 41.5 32.8 49.2

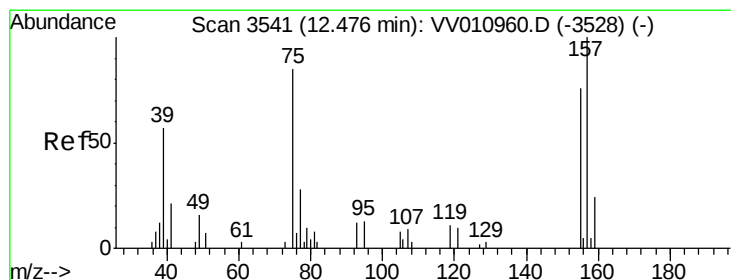
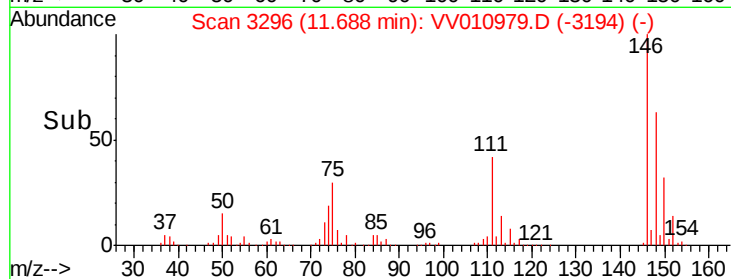
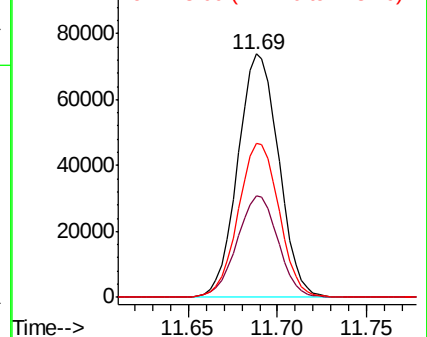
148 63.1 51.9 77.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 23.894 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV010979.D

Acq: 21 May 2019 02:06

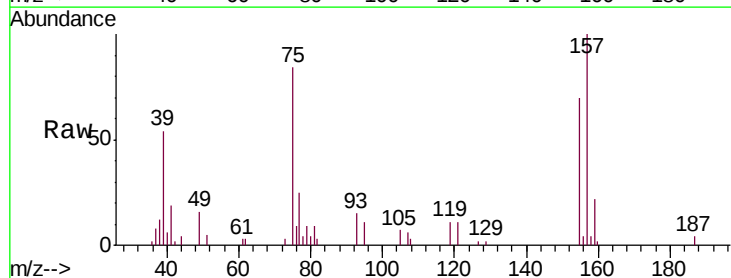
Tgt Ion: 75 Resp: 8779

Ion Ratio Lower Upper

75 100

157 118.5 87.0 130.4

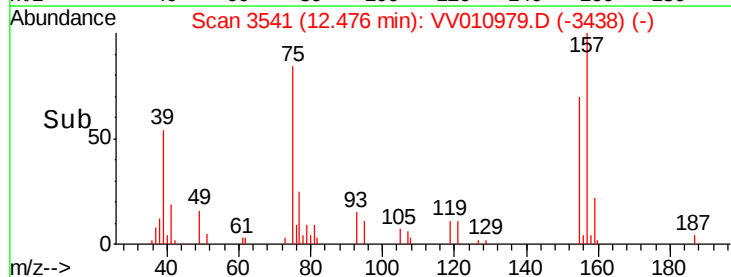
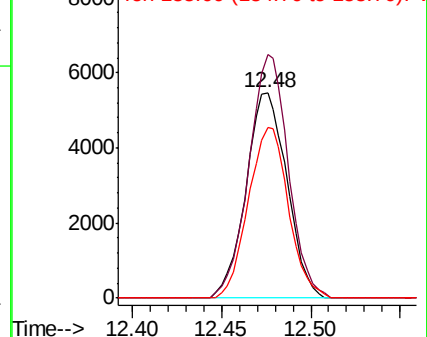
155 83.3 67.8 101.8

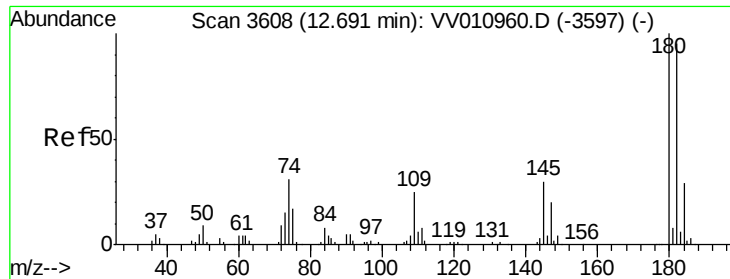


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

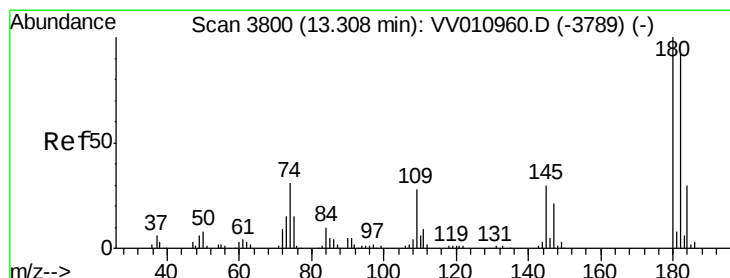
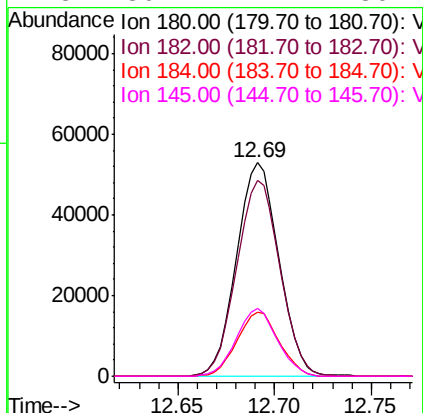
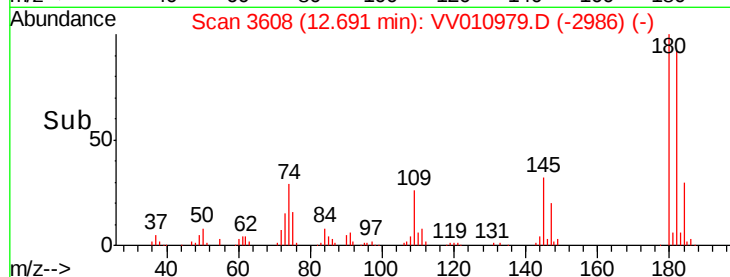
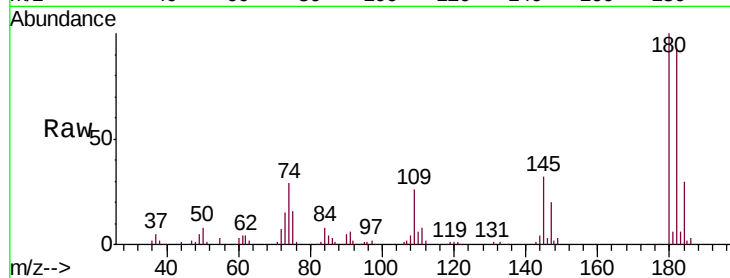




#67
 1,3,5-Trichlorobenzene
 Concen: 23.007 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV010979.D
 Acq: 21 May 2019 02:06

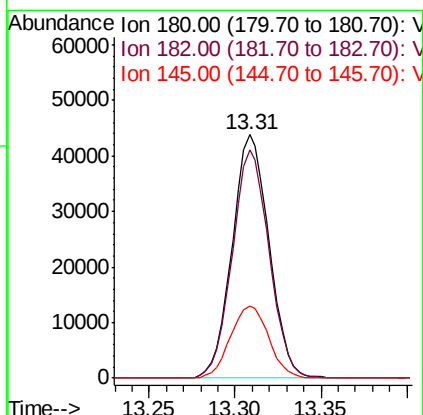
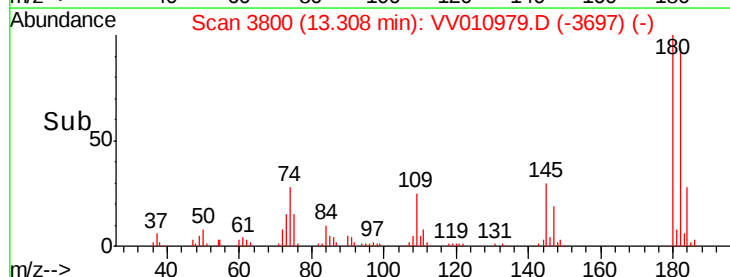
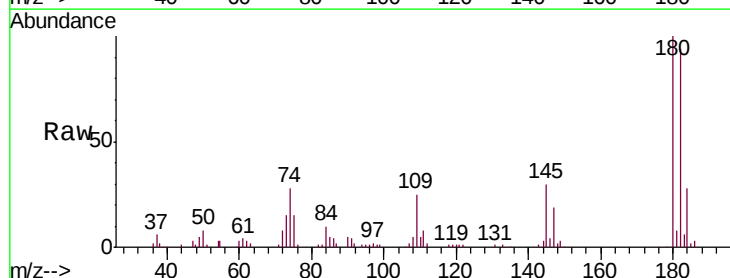
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02566

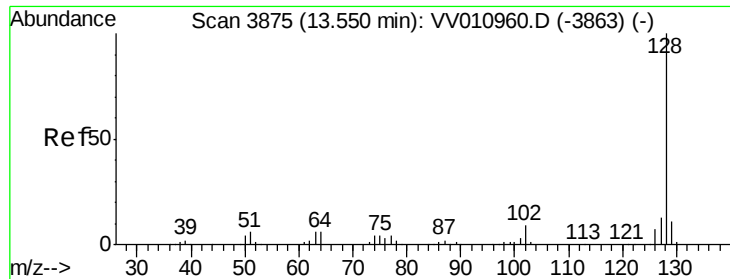
Tgt Ion:	180	Resp:	80501
Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.2	114.2
184	29.9	24.6	37.0
145	30.7	24.1	36.1



#68
 1,2,4-trichlorobenzene
 Concen: 23.619 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV010979.D
 Acq: 21 May 2019 02:06

Tgt Ion:	180	Resp:	65320
Ion	Ratio	Lower	Upper
180	100		
182	93.6	75.4	113.2
145	30.6	25.1	37.7





#69

Naphthalene

Concen: 24.533 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV010979.D

Acq: 21 May 2019 02:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD02566

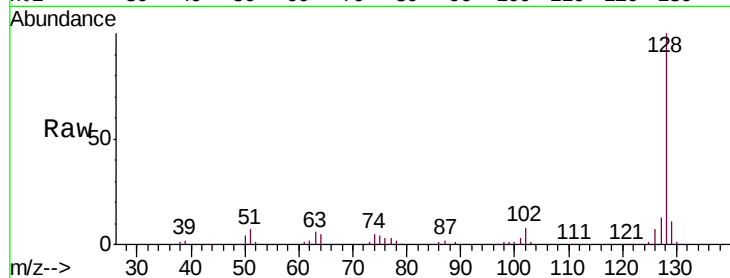
Tgt Ion:128 Resp: 136009

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

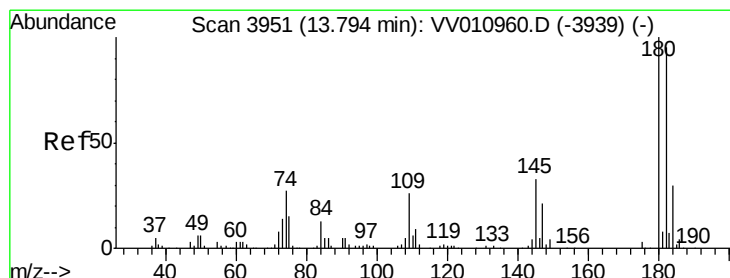
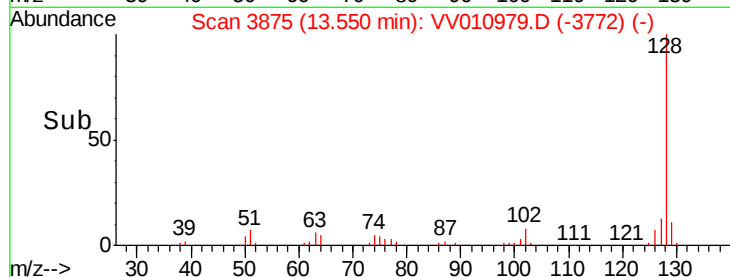
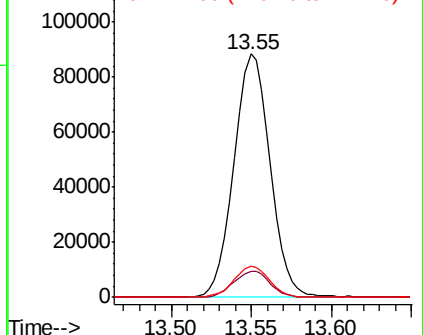
127 12.4 10.3 15.5



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: 23.744 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV010979.D

Acq: 21 May 2019 02:06

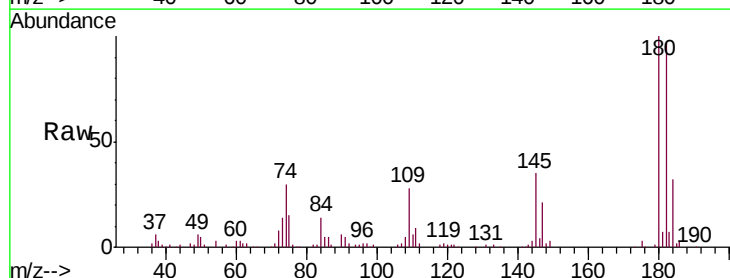
Tgt Ion:180 Resp: 64108

Ion Ratio Lower Upper

180 100

182 95.3 75.7 113.5

145 33.2 26.9 40.3



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

