

Data File : VV010622.D
Acq On : 01 May 2019 23:14
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00556

Quant Time: May 02 08:25:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 02 08:18:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	79205	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	81386	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	37232	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	22319	4.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.00%
7) Chloroethane-d5	1.58	69	16250	5.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.40%
11) 1,1-Dichloroethene-d2	2.13	63	44497	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.80%
20) 2-Butanone-d5	3.96	46	61141	55.93	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.86%
24) Chloroform-d	4.40	84	52258	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
26) 1,2-Dichloroethane-d4	5.08	65	25099	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.10	84	102093	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.12	67	30582	4.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.00%
41) Toluene-d8	7.36	98	97511	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
43) trans-1,3-Dichloropropene-	7.67	79	10908	4.92	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.40%
46) 2-Hexanone-d5	8.14	63	48139	54.33	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.66%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	22920	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	34066	4.87	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	38521	5.339 ug/L	97
3) Chloromethane	1.25	50	31456	5.132 ug/L	99
5) Vinyl chloride	1.32	62	32531	5.255 ug/L	96
6) Bromomethane	1.54	94	19732	5.293 ug/L	99
8) Chloroethane	1.60	64	15462	5.700 ug/L	97
9) Trichlorofluoromethane	1.77	101	50897	5.144 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	26468	5.088 ug/L	96
12) 1,1-Dichloroethene	2.14	96	24044	5.087 ug/L	88
13) Acetone	2.22	43	31602	48.684 ug/L	98
14) Carbon disulfide	2.32	76	64101	4.956 ug/L	99
15) Methyl Acetate	2.47	43	10516	5.237 ug/L	96
16) Methylene chloride	2.53	84	29031	5.145 ug/L	94
17) Methyl tert-butyl Ether	2.81	73	59609	5.312 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	28492	5.263 ug/L	97
19) 1,1-Dichloroethane	3.23	63	52400	5.285 ug/L	97
21) 2-Butanone	4.05	43	64543	58.505 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	30523	5.252 ug/L	95

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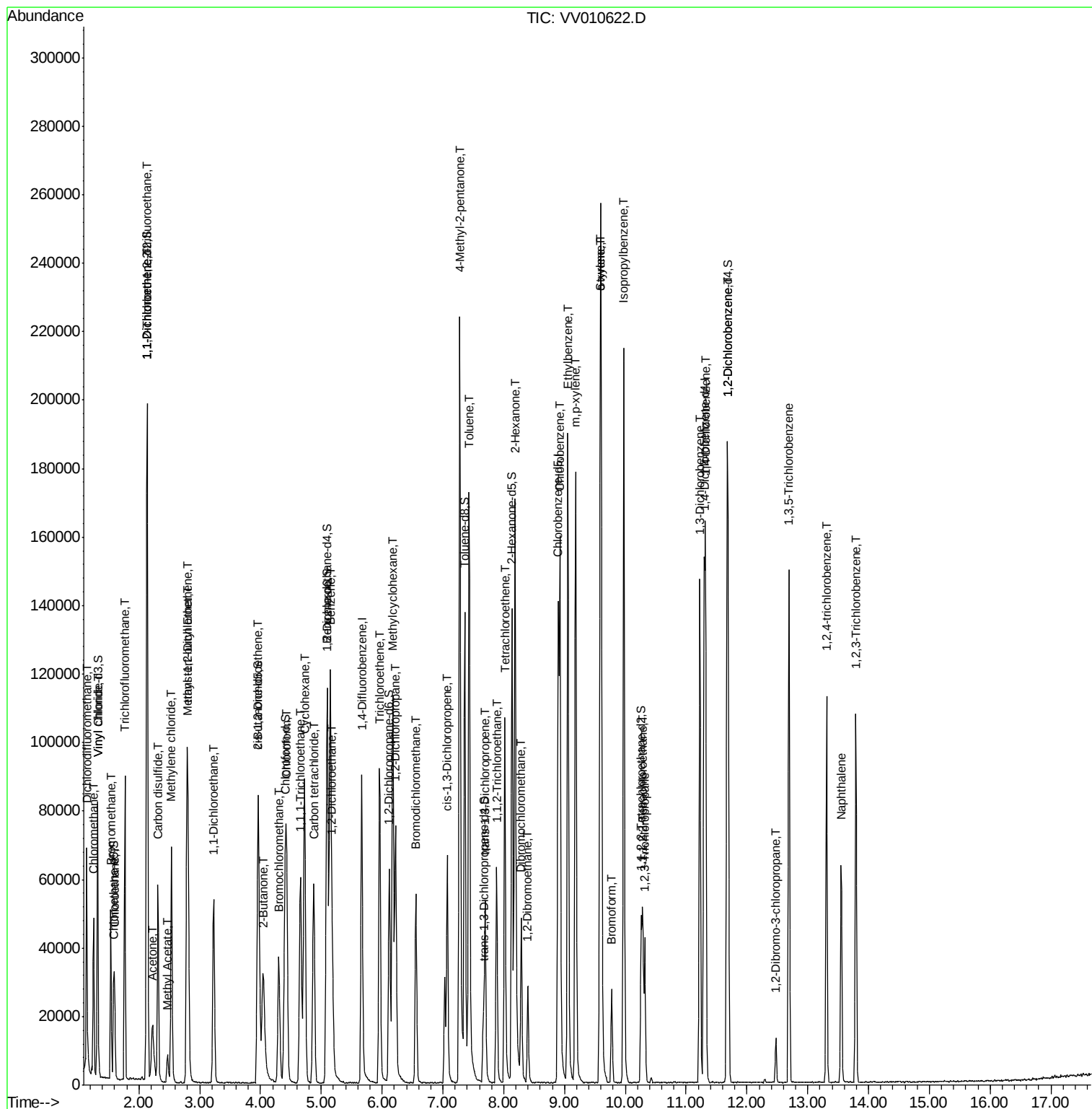
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	13024	5.292	ug/L	93
25) Chloroform	4.43	83	56622	5.344	ug/L	98
27) 1,2-Dichloroethane	5.18	62	33745	5.561	ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	47741	5.108	ug/L	99
30) Cyclohexane	4.73	56	44143	5.018	ug/L	99
31) Carbon tetrachloride	4.88	117	43827	5.240	ug/L	97
33) Benzene	5.15	78	119416	5.325	ug/L	100
34) Trichloroethene	5.96	95	32311	5.117	ug/L	97
35) Methylcyclohexane	6.18	83	44906	4.909	ug/L	97
37) 1,2-Dichloropropane	6.22	63	28946	5.282	ug/L	98
38) Bromodichloromethane	6.56	83	36620	5.241	ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	39294	5.290	ug/L	96
40) 4-Methyl-2-pentanone	7.28	43	162283	53.941	ug/L	98
42) Toluene	7.43	91	132683	5.289	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	29548	5.100	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	20063	5.153	ug/L	89
47) Tetrachloroethene	8.02	164	24583	4.932	ug/L	96
48) 2-Hexanone	8.19	43	118495	54.909	ug/L	99
49) Dibromochloromethane	8.29	129	23474	5.177	ug/L	98
50) 1,2-Dibromoethane	8.40	107	18742	5.387	ug/L	99
51) Chlorobenzene	8.93	112	83660	5.129	ug/L	98
52) Ethylbenzene	9.05	91	139305	5.235	ug/L	100
53) m,p-xylene	9.18	106	53354	5.235	ug/L	96
54) o-xylene	9.59	106	52240	5.265	ug/L	98
55) Styrene	9.60	104	87322	5.305	ug/L	100
56) Isopropylbenzene	9.97	105	137557	5.342	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	22099	5.025	ug/L	93
59) 1,2,3-Trichloropropane	10.32	75	17541	5.628	ug/L	98
61) Bromoform	9.77	173	11616	5.175	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	59620	4.991	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	60236	5.060	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	58575	5.158	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	3450	5.300	ug/L	91
67) 1,3,5-Trichlorobenzene	12.69	180	44407	4.954	ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	32351	4.811	ug/L	99
69) Naphthalene	13.55	128	49316	4.795	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	30624	5.106	ug/L	97

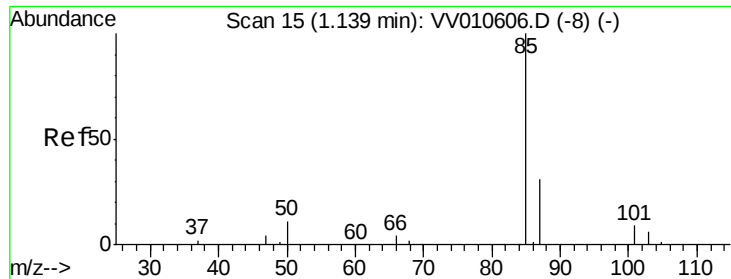
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.339 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV010622.D

Acq: 01 May 2019 23:14

Instrument :

MSVOA_V

ClientSampleId :

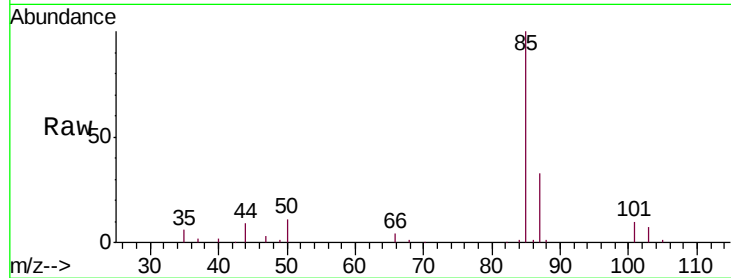
VSTD00556

Tgt Ion: 85 Resp: 38521

Ion Ratio Lower Upper

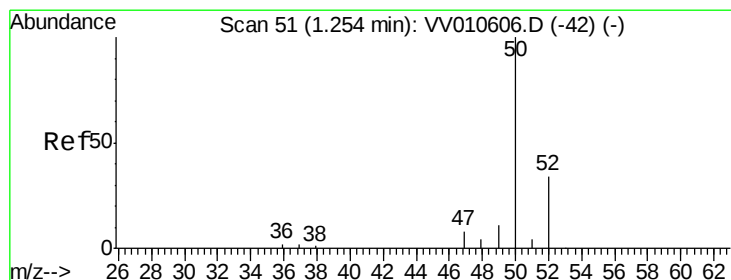
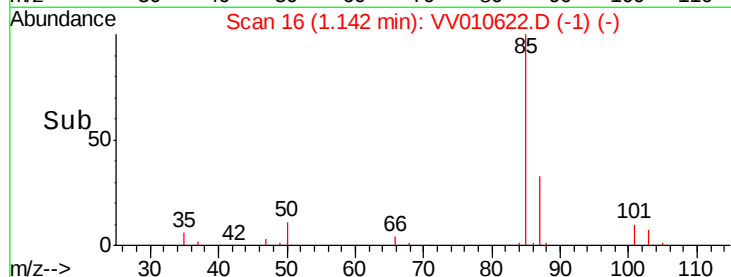
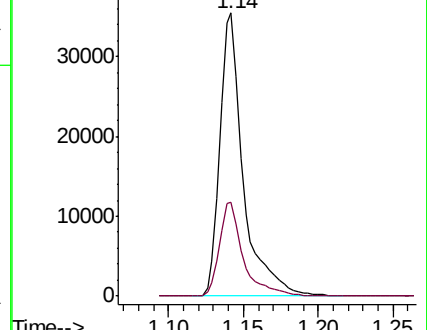
85 100

87 33.8 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV010606.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV010606.D (-8) (-)



#3

Chloromethane

Concen: 5.132 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV010622.D

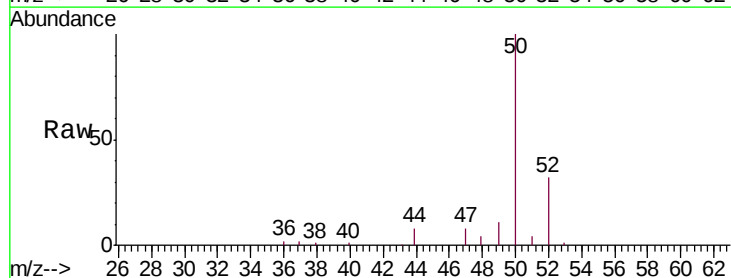
Acq: 01 May 2019 23:14

Tgt Ion: 50 Resp: 31456

Ion Ratio Lower Upper

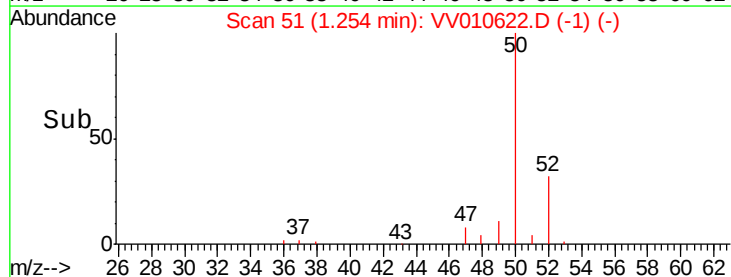
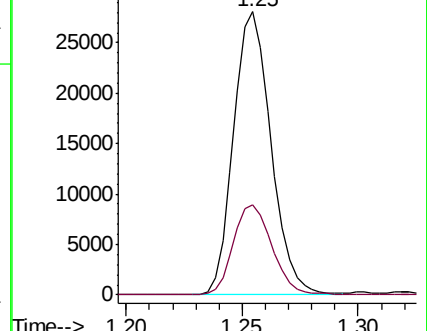
50 100

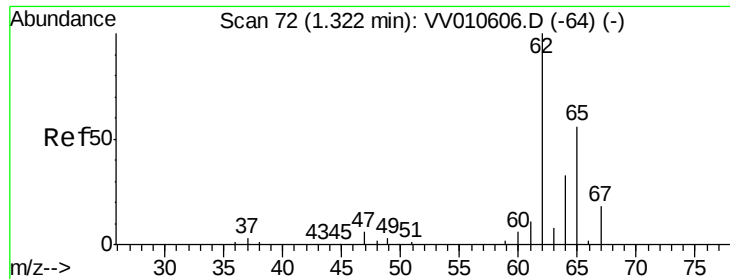
52 31.9 22.0 41.0



Abundance Ion 50.05 (49.75 to 50.75): VV010606.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV010606.D (-42) (-)





#5

Vinyl chloride

Concen: 5.255 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV010622.D

Acq: 01 May 2019 23:14

Instrument :

MSVOA_V

ClientSampleId :

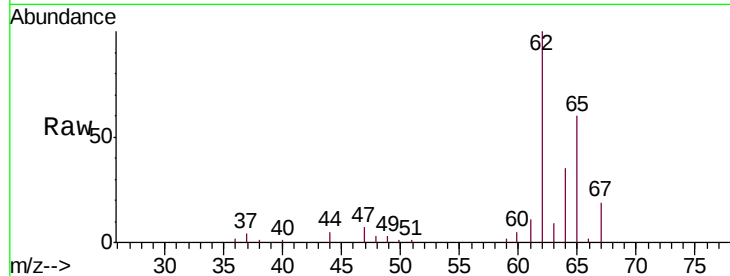
VSTD00556

Tgt Ion: 62 Resp: 32531

Ion Ratio Lower Upper

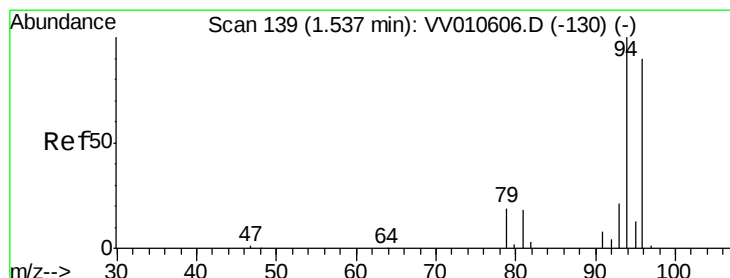
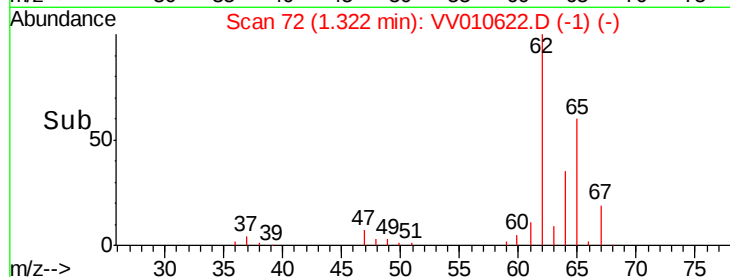
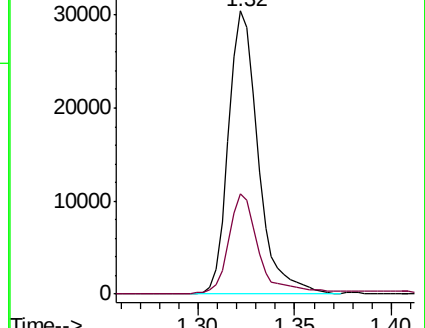
62 100

64 35.4 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV010606.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV010622.D (-64) (-)



#6

Bromomethane

Concen: 5.293 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV010622.D

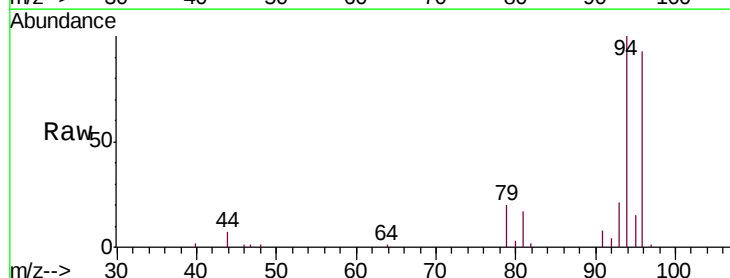
Acq: 01 May 2019 23:14

Tgt Ion: 94 Resp: 19732

Ion Ratio Lower Upper

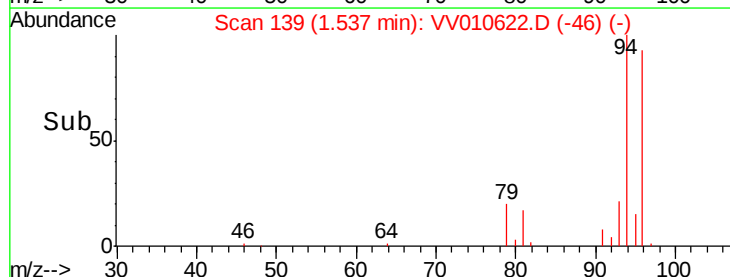
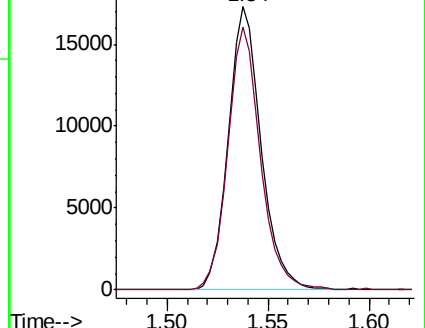
94 100

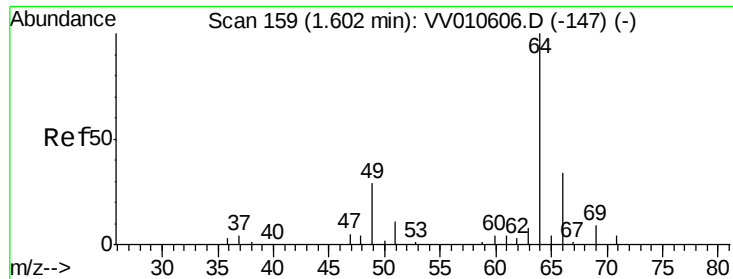
96 92.7 64.5 119.7



Abundance Ion 94.00 (93.70 to 94.70): VV010606.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV010622.D (-130) (-)





#8

Chloroethane

Concen: 5.700 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV010622.D

Acq: 01 May 2019 23:14

Instrument :

MSVOA_V

ClientSampleId :

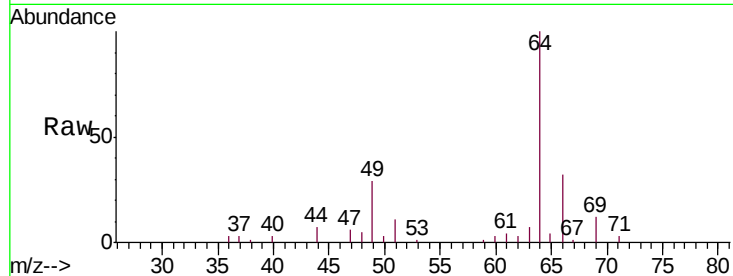
VSTD00556

Tgt Ion: 64 Resp: 15462

Ion Ratio Lower Upper

64 100

66 32.2 23.8 44.2



Abundance Ion 64.10 (63.80 to 64.80): VV010622.D (-147) (-)

Ion 66.05 (65.75 to 66.75): VV010622.D (-147) (-)

1.60

15000

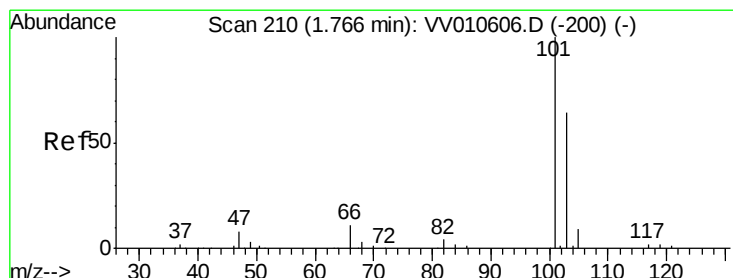
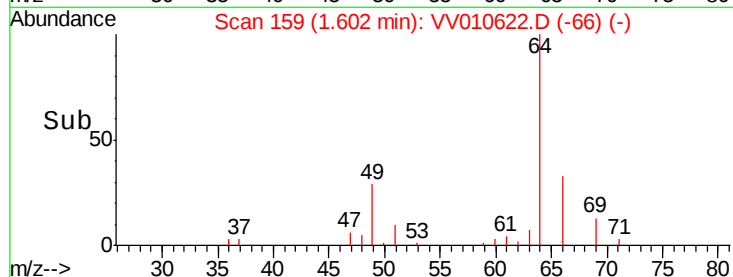
10000

5000

0

Time-->

1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 5.144 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV010622.D

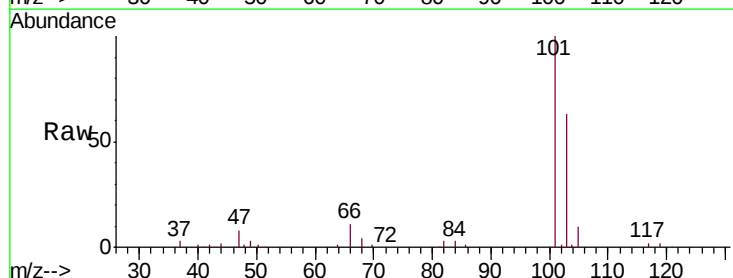
Acq: 01 May 2019 23:14

Tgt Ion: 101 Resp: 50897

Ion Ratio Lower Upper

101 100

103 63.7 49.5 74.3



Abundance Ion 101.00 (100.70 to 101.70): VV010622.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV010622.D (-200) (-)

1.77

40000

30000

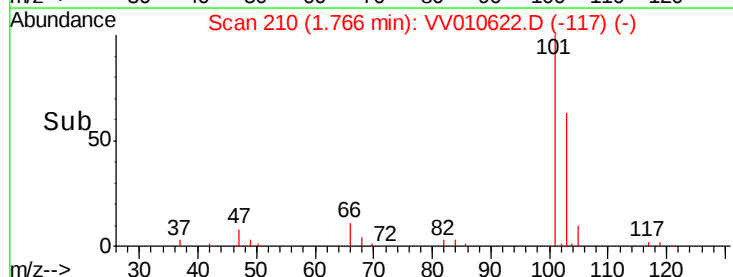
20000

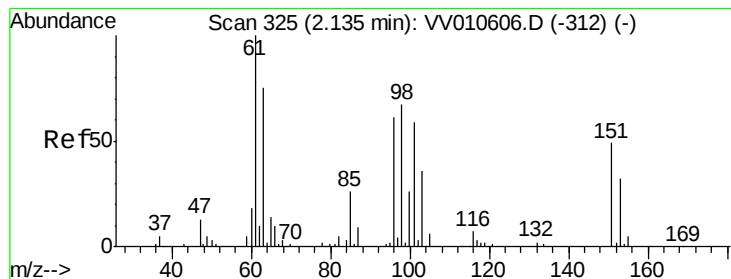
10000

0

Time-->

1.70 1.75 1.80 1.85





#10

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

Concen: 5.088 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV010622.D

Acq: 01 May 2019 23:14

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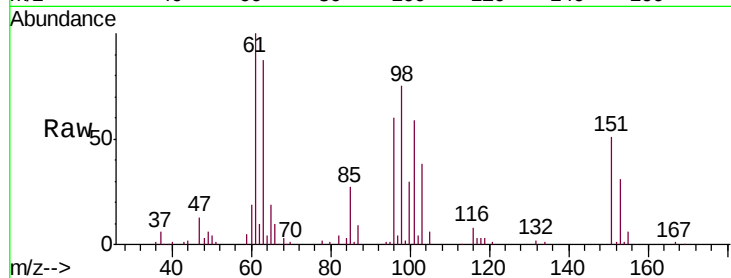
Tgt Ion: 101 Resp: 26468

Ion Ratio Lower Upper

101 100

85 44.7 33.7 50.5

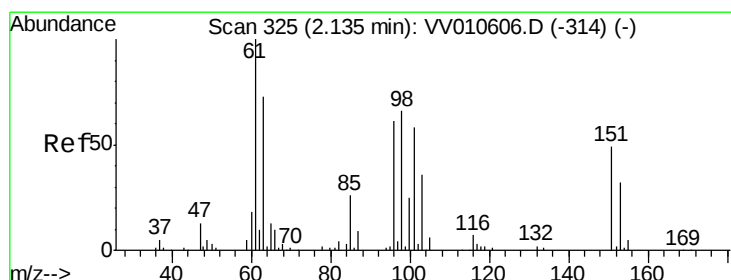
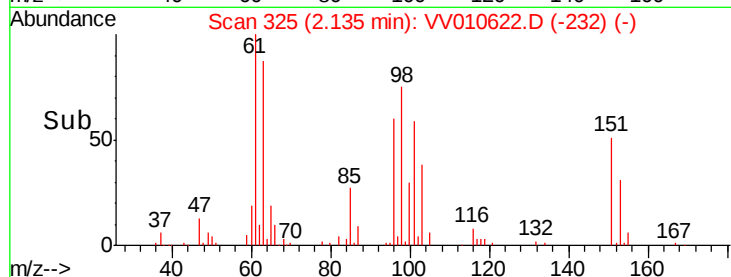
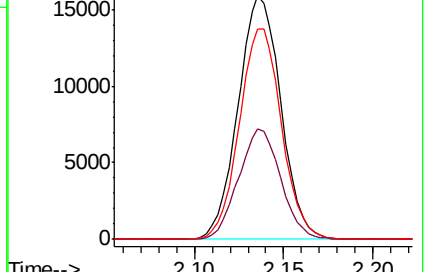
151 85.4 65.2 97.8



Abundance Ion 101.00 (100.70 to 101.70): VV010606.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV010606.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV010606.D (-312) (-)



#12

1,1-Dichloroethene

Concen: 5.087 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV010622.D

Acq: 01 May 2019 23:14

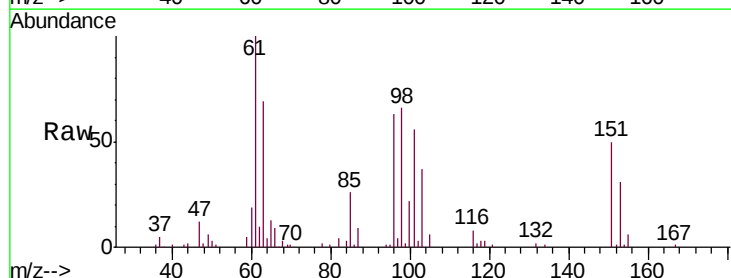
Tgt Ion: 96 Resp: 24044

Ion Ratio Lower Upper

96 100

61 159.9 118.7 220.5

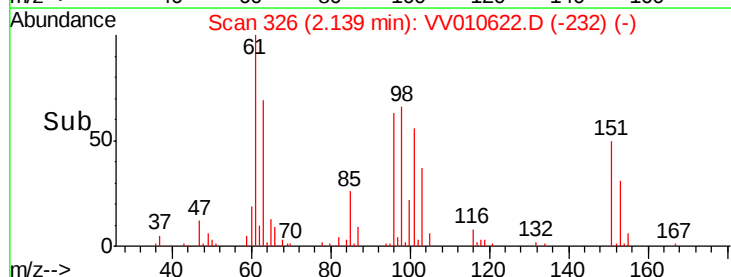
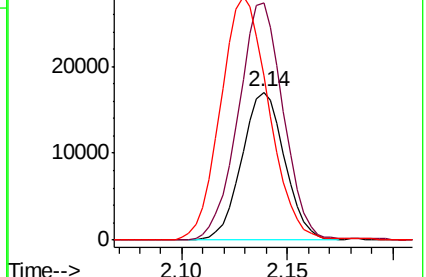
63 110.4 93.2 173.0

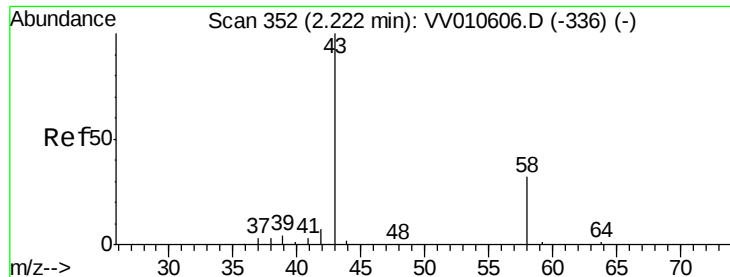


Abundance Ion 96.00 (95.70 to 96.70): VV010622.D (-232) (-)

Ion 61.05 (60.75 to 61.75): VV010622.D (-232) (-)

Ion 63.00 (62.70 to 63.70): VV010622.D (-232) (-)





#13

Acetone

Concen: 48.684 ug/L

RT: 2.22 min Scan# 352

Delta R.T. 0.00 min

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ClientSampleId :

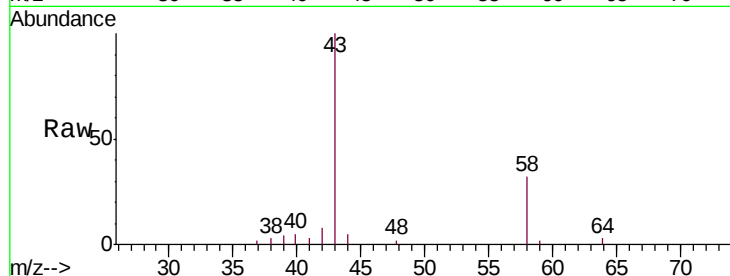
VSTD00556

Tgt Ion: 43 Resp: 31602

Ion Ratio Lower Upper

43 100

58 30.4 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VV010606.D (-336) (-)

Ion 58.05 (57.75 to 58.75): VV010606.D (-336) (-)

12000

10000

8000

6000

4000

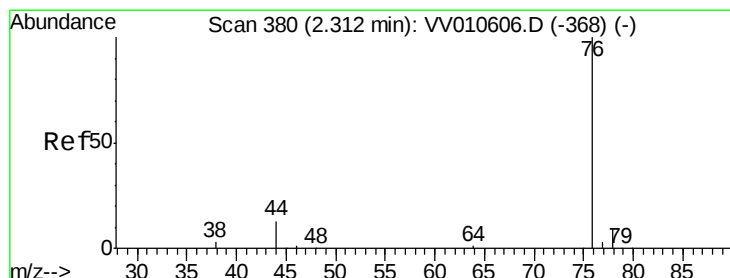
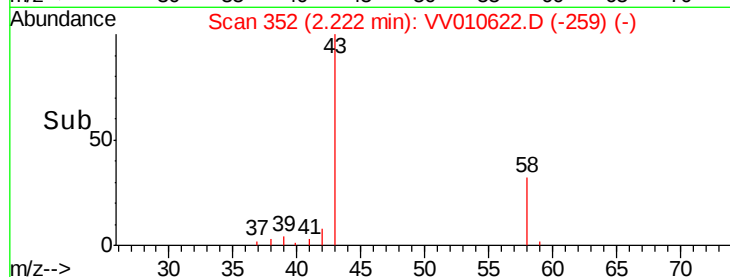
2000

0

2.22

2.30

Time-->



#14

Carbon disulfide

Concen: 4.956 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV010622.D

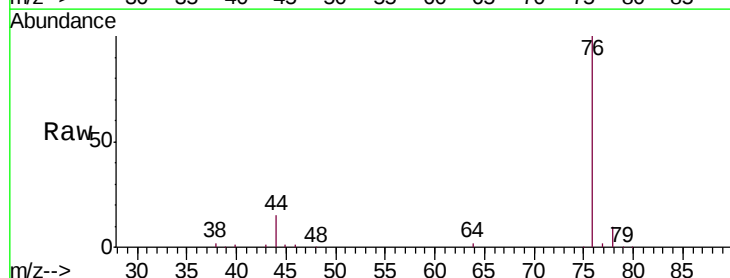
Acq: 01 May 2019 23:14

Tgt Ion: 76 Resp: 64101

Ion Ratio Lower Upper

76 100

78 9.7 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV010606.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV010606.D (-368) (-)

50000

40000

30000

20000

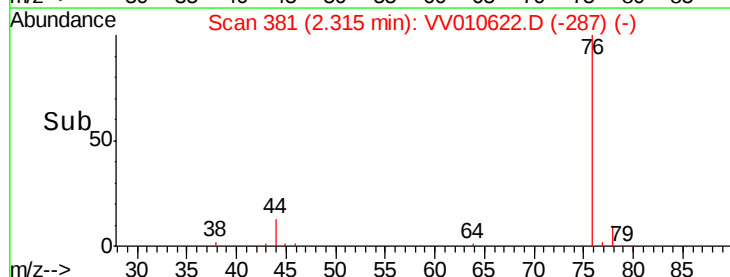
10000

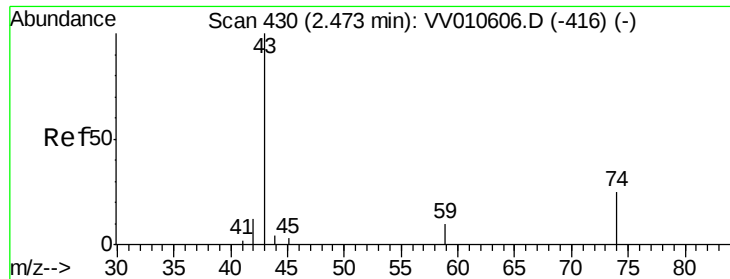
0

2.32

2.40

Time-->

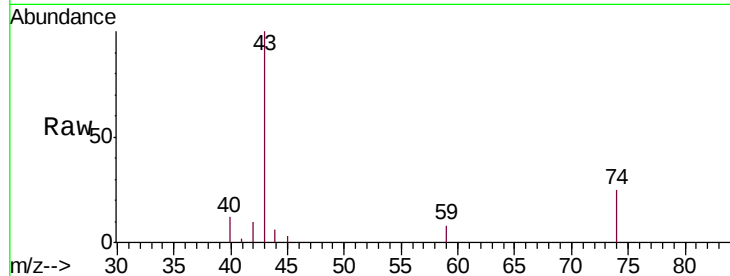




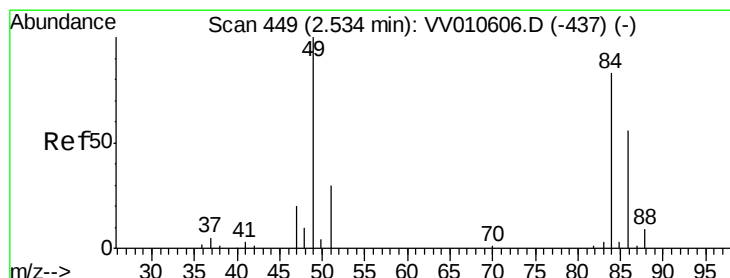
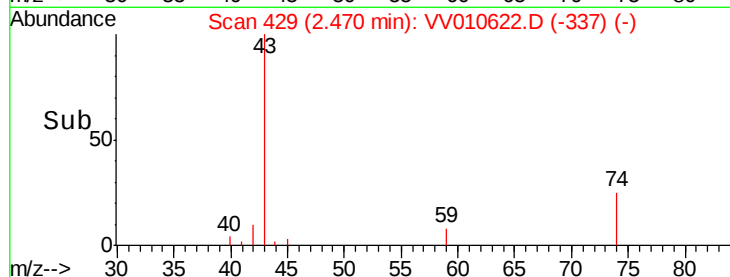
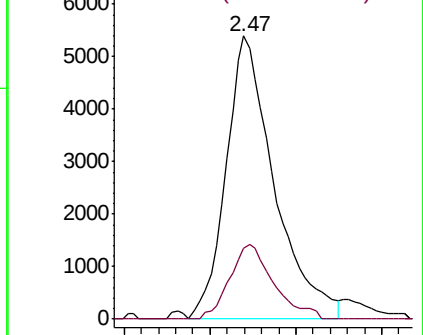
#15
Methyl Acetate
Concen: 5.237 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VV010622.D
Acq: 01 May 2019 23:14

Instrument :
MSVOA_V
ClientSampleId :
VSTD00556

Tgt Ion: 43 Resp: 10516
Ion Ratio Lower Upper
43 100
74 23.9 17.5 26.3

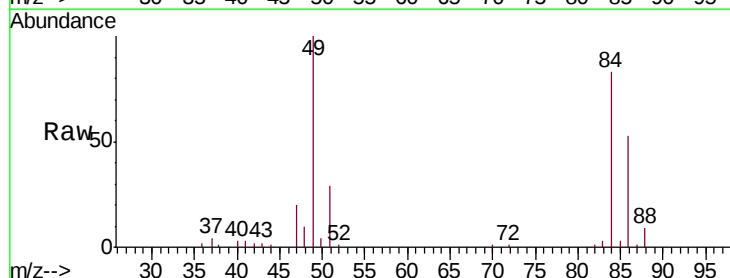


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 74.05 (73.75 to 74.75): VV0

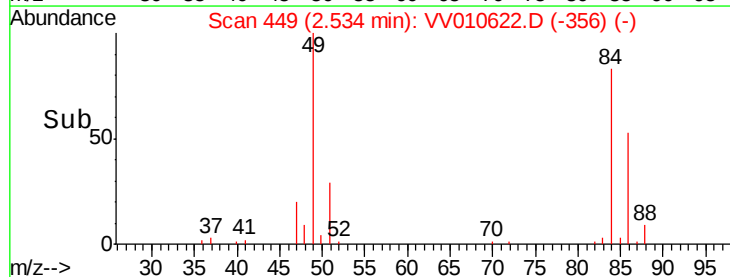
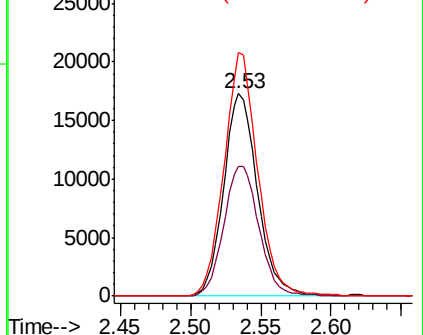


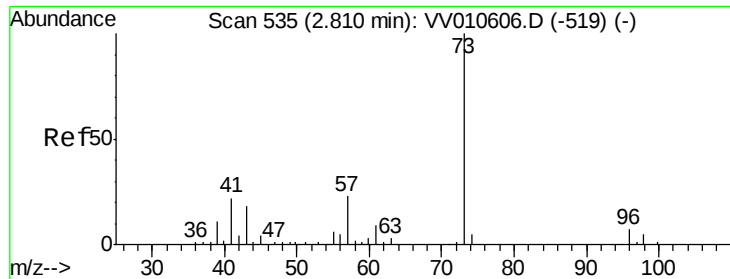
#16
Methylene chloride
Concen: 5.145 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV010622.D
Acq: 01 May 2019 23:14

Tgt Ion: 84 Resp: 29031
Ion Ratio Lower Upper
84 100
86 64.3 44.2 82.0
49 120.5 77.8 144.6



Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

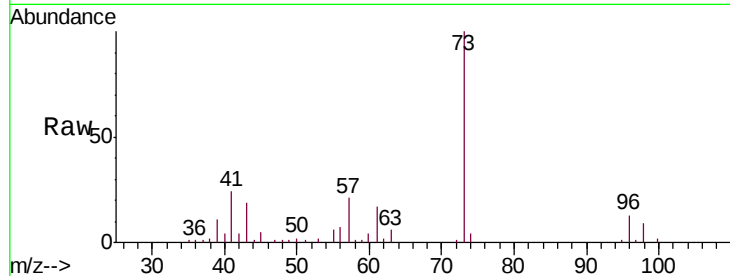




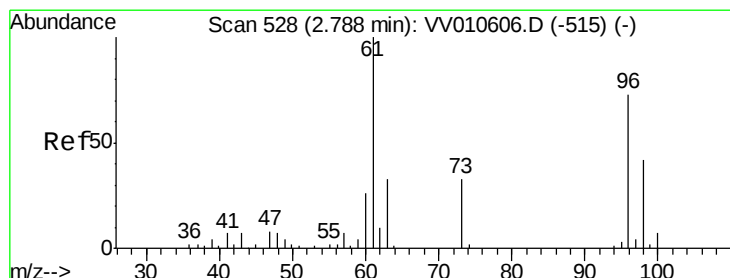
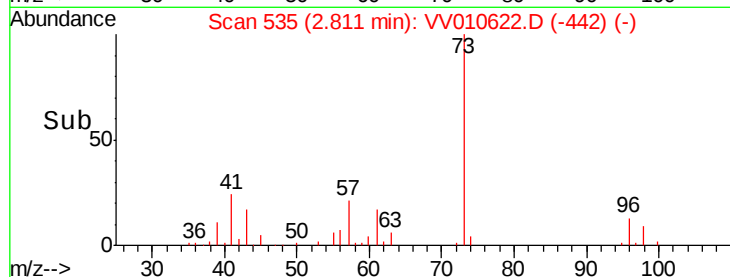
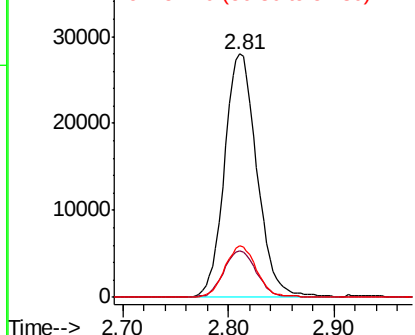
#17
Methyl tert-butyl Ether
Concen: 5.312 ug/L
RT: 2.81 min Scan# 535
Delta R.T. 0.00 min
Lab File: VV010622.D
Acq: 01 May 2019 23:14

Instrument :
MSVOA_V
ClientSampleId :
VSTD00556

Tgt Ion: 73 Resp: 59609
Ion Ratio Lower Upper
73 100
43 19.4 16.1 24.1
57 20.9 17.9 26.9

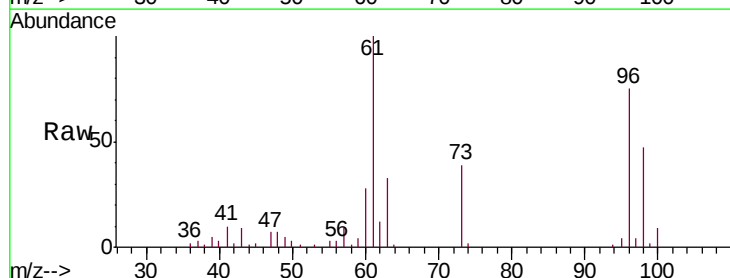


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

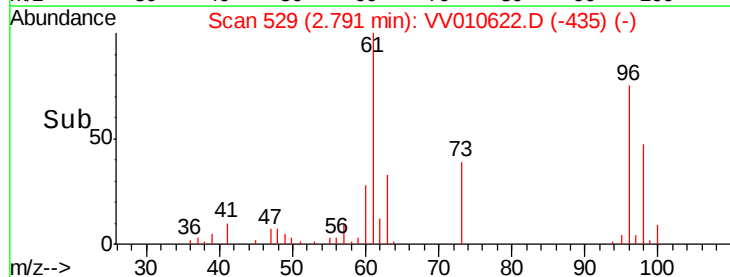
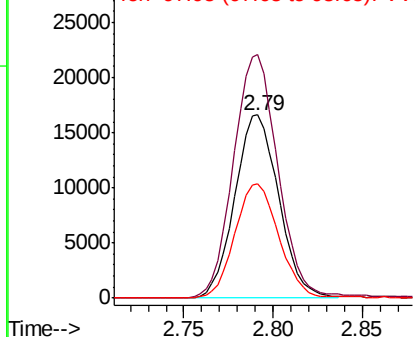


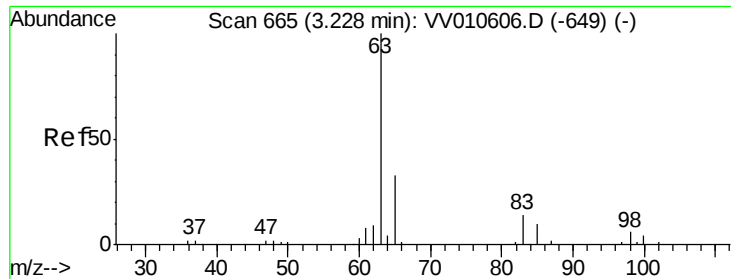
#18
trans-1,2-Dichloroethene
Concen: 5.263 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV010622.D
Acq: 01 May 2019 23:14

Tgt Ion: 96 Resp: 28492
Ion Ratio Lower Upper
96 100
61 132.9 96.2 178.6
98 62.6 44.9 83.3



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

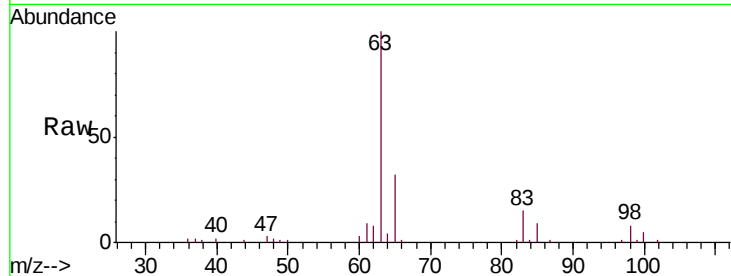




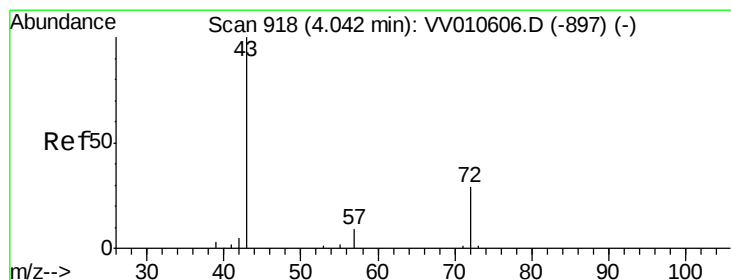
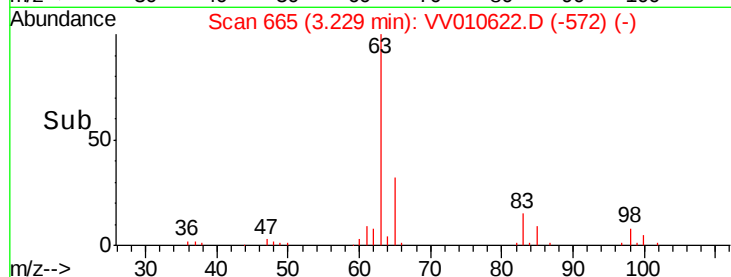
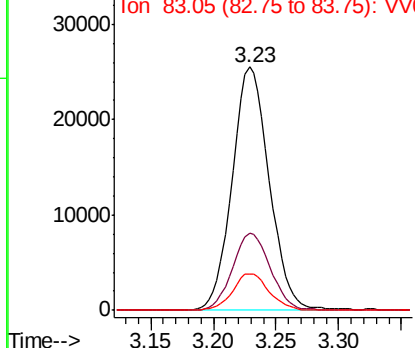
#19
 1,1-Dichloroethane
 Concen: 5.285 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV010622.D
 Acq: 01 May 2019 23:14

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00556

Tgt Ion: 63 Resp: 52400
 Ion Ratio Lower Upper
 63 100
 65 31.6 21.3 39.6
 83 15.1 9.0 16.6

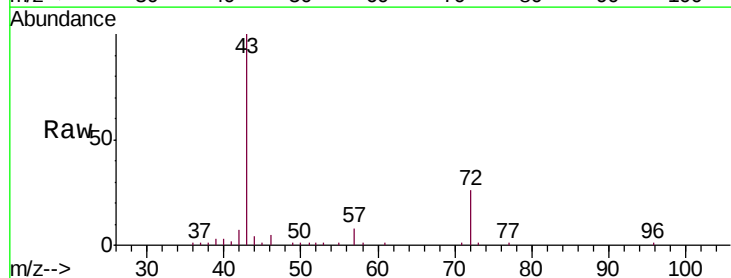


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

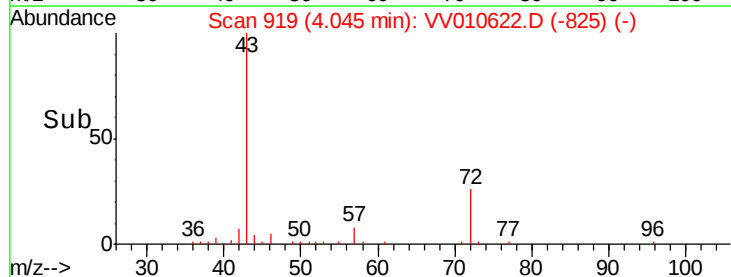
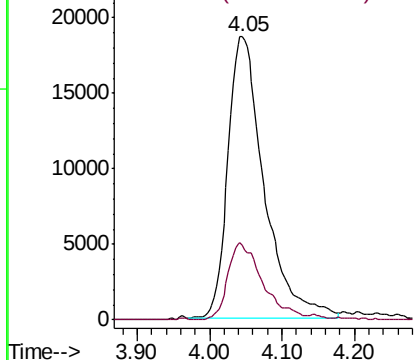


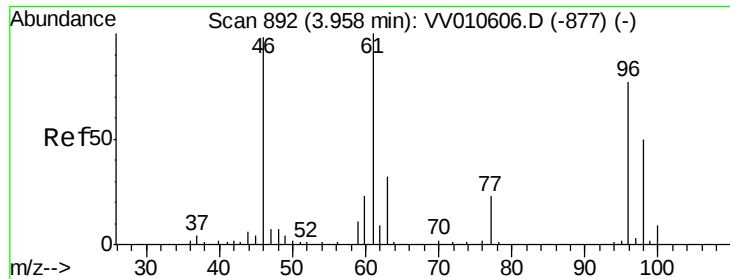
#21
 2-Butanone
 Concen: 58.505 ug/L
 RT: 4.05 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VV010622.D
 Acq: 01 May 2019 23:14

Tgt Ion: 43 Resp: 64543
 Ion Ratio Lower Upper
 43 100
 72 26.6 13.8 41.3



Abundance Ion 43.05 (42.75 to 43.75): VV0
 Ion 72.10 (71.80 to 72.80): VV0



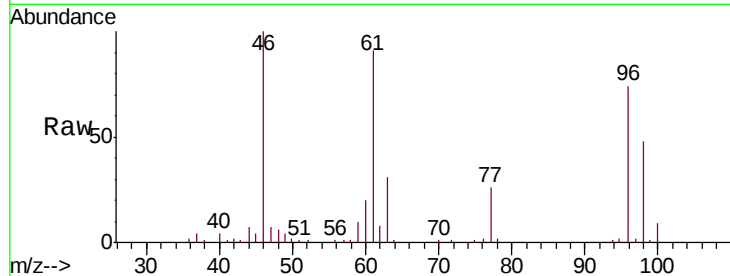


#22

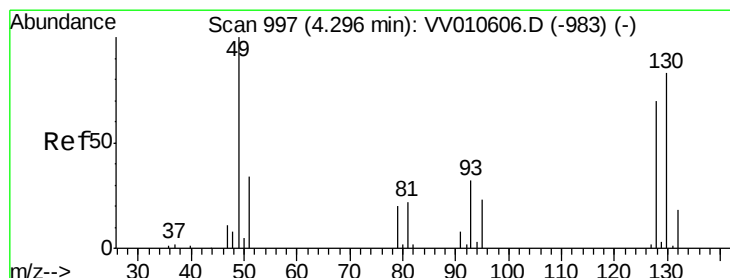
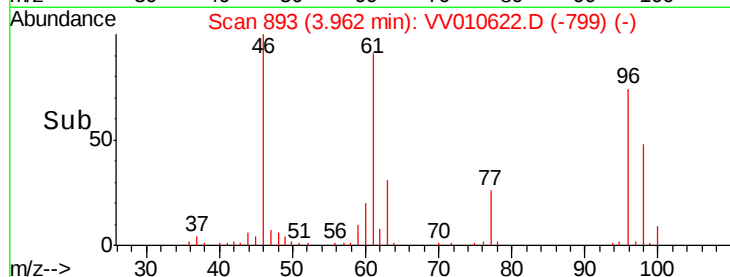
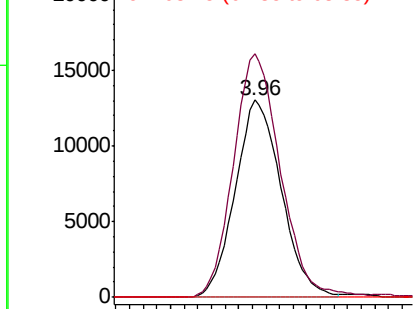
cis-1,2-Dichloroethene
Concen: 5.252 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV010622.D
Acq: 01 May 2019 23:14

Instrument :
MSVOA_V
ClientSampleId :
VSTD00556

Tgt Ion: 96 Resp: 30523
Ion Ratio Lower Upper
96 100
61 123.5 82.3 152.9
68 0.0 0.0 0.0



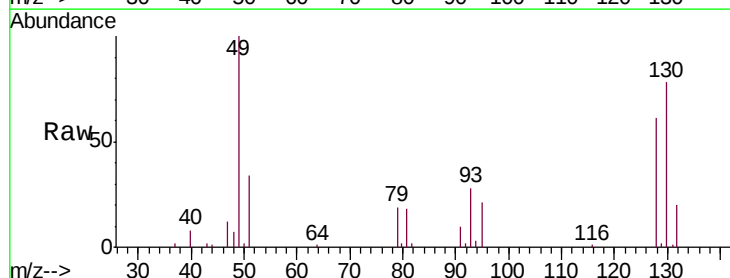
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



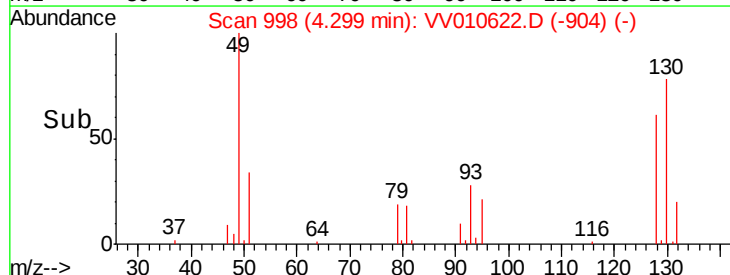
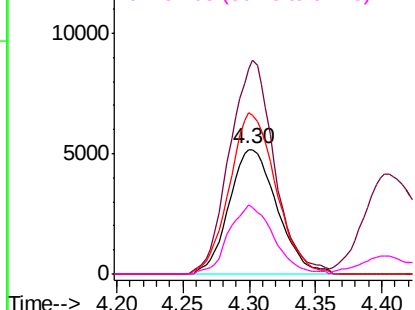
#23

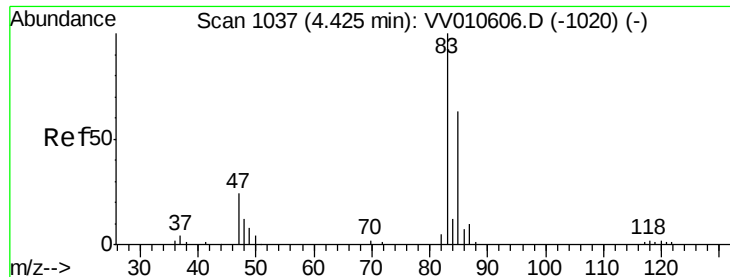
Bromochloromethane
Concen: 5.292 ug/L
RT: 4.30 min Scan# 998
Delta R.T. 0.00 min
Lab File: VV010622.D
Acq: 01 May 2019 23:14

Tgt Ion: 128 Resp: 13024
Ion Ratio Lower Upper
128 100
49 164.1 104.4 193.8
130 128.8 90.4 167.8
51 55.3 39.9 59.9



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

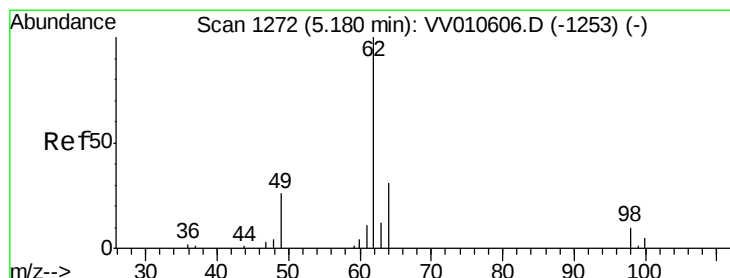
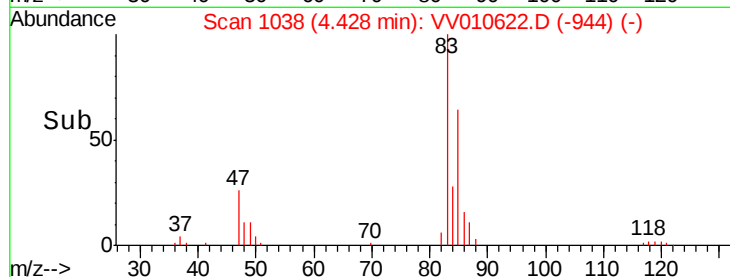
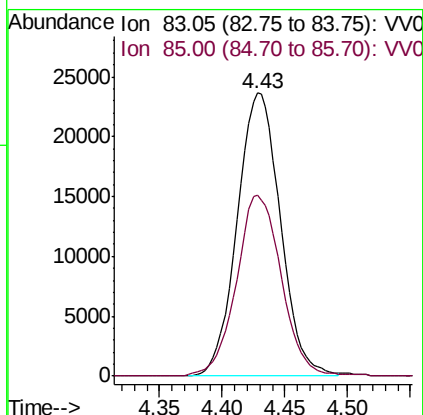
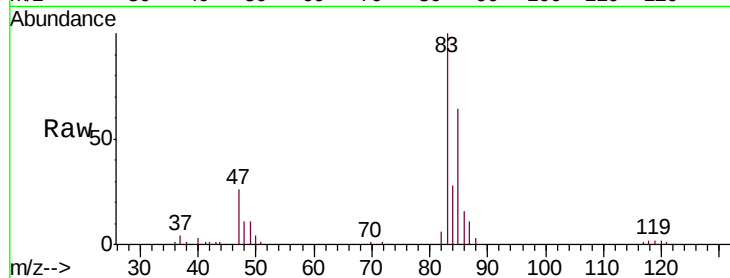




#25
 Chloroform
 Concen: 5.344 ug/L
 RT: 4.43 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: VV010622.D
 Acq: 01 May 2019 23:14

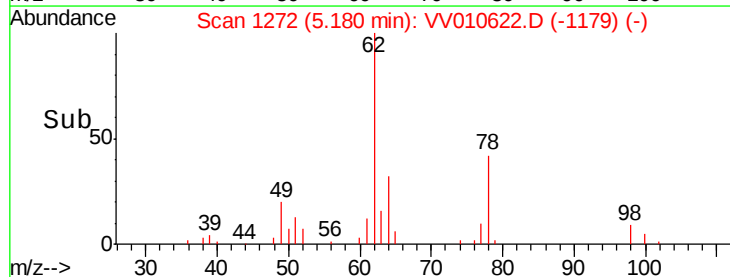
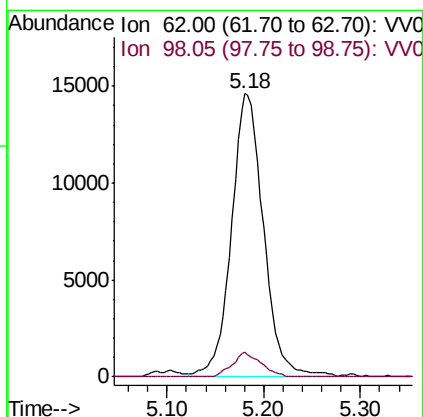
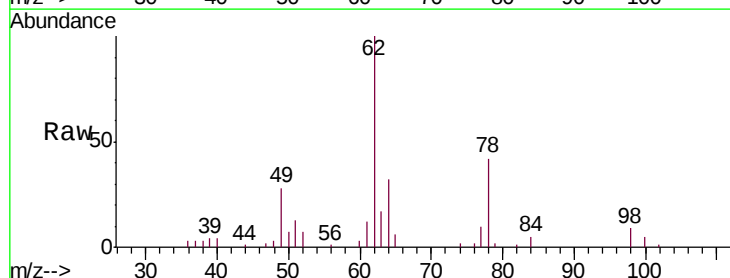
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00556

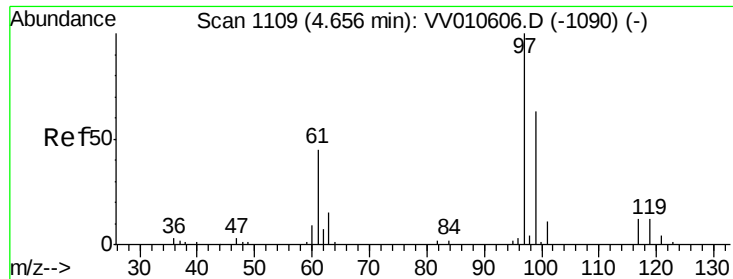
Tgt Ion: 83 Resp: 56622
 Ion Ratio Lower Upper
 83 100
 85 63.8 43.7 81.1



#27
 1,2-Dichloroethane
 Concen: 5.561 ug/L
 RT: 5.18 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VV010622.D
 Acq: 01 May 2019 23:14

Tgt Ion: 62 Resp: 33745
 Ion Ratio Lower Upper
 62 100
 98 8.7 7.7 11.5

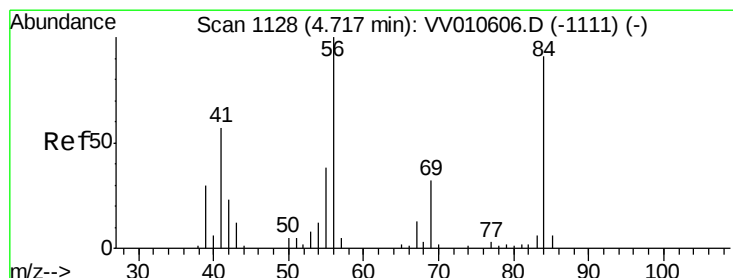
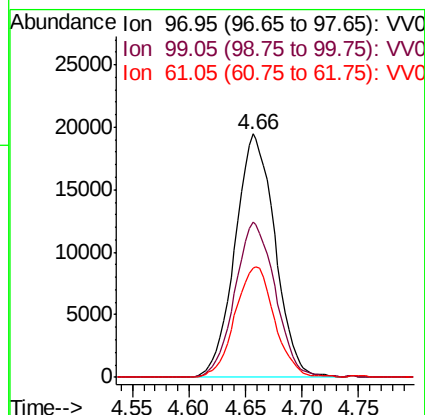
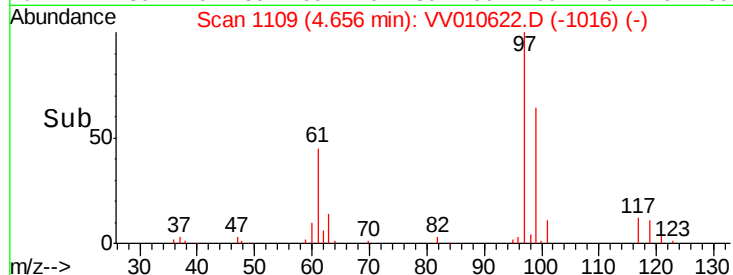
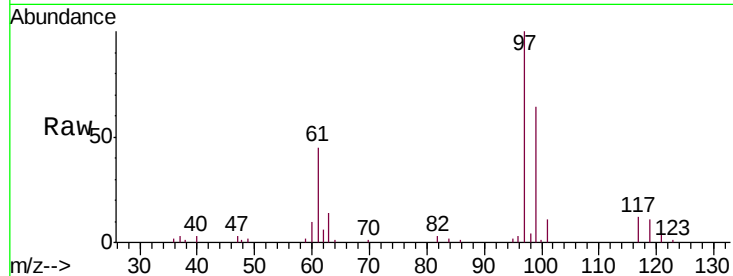




#29
 1,1,1-Trichloroethane
 Concen: 5.108 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV010622.D
 Acq: 01 May 2019 23:14

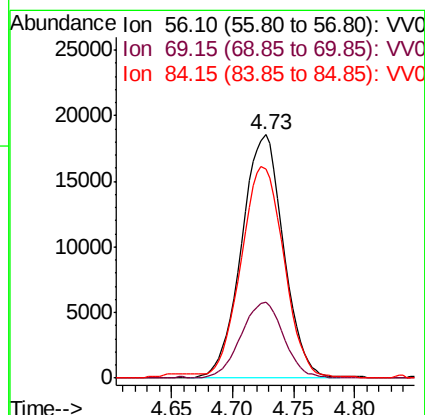
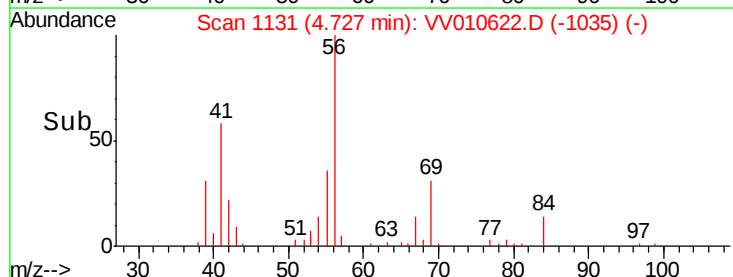
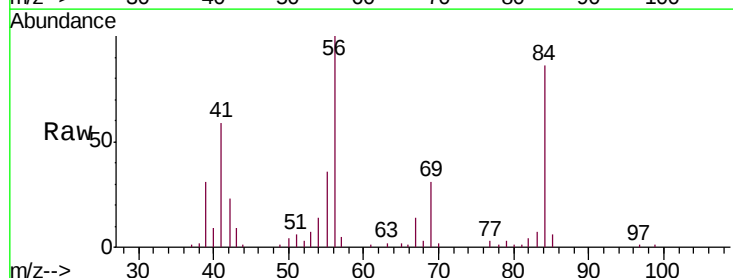
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00556

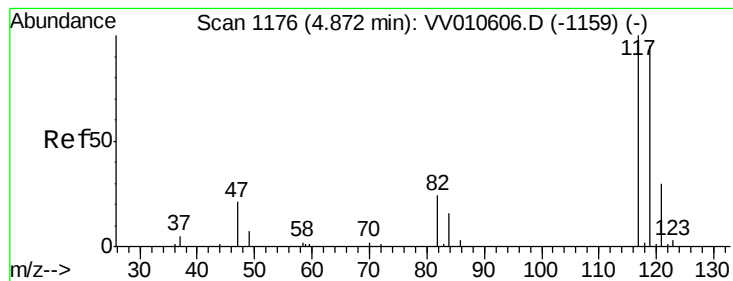
Tgt Ion: 97 Resp: 47741
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.4 77.0
 61 44.9 34.6 52.0



#30
 Cyclohexane
 Concen: 5.018 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. 0.01 min
 Lab File: VV010622.D
 Acq: 01 May 2019 23:14

Tgt Ion: 56 Resp: 44143
 Ion Ratio Lower Upper
 56 100
 69 31.6 24.7 37.1
 84 89.8 71.4 107.2





#31

Carbon tetrachloride

Concen: 5.240 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.01 min

Lab File: VV010622.D

Acq: 01 May 2019 23:14

Instrument :

MSVOA_V

ClientSampleId :

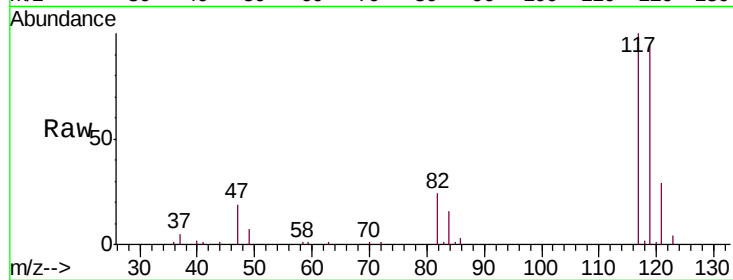
VSTD00556

Tgt Ion:117 Resp: 43827

Ion Ratio Lower Upper

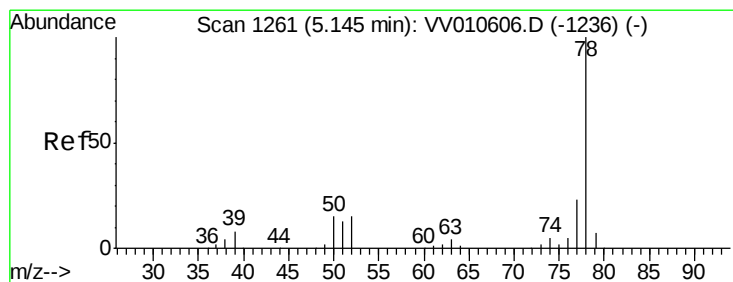
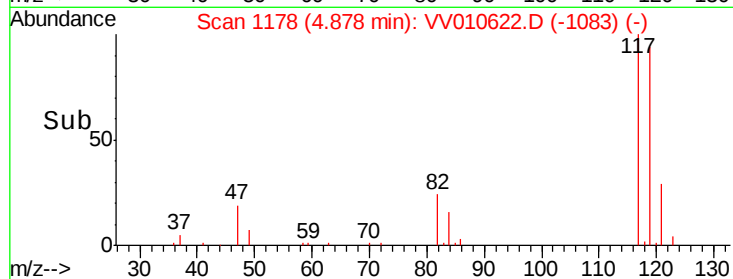
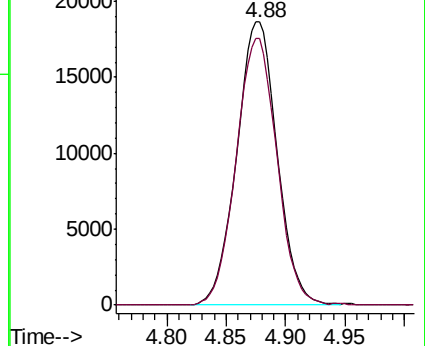
117 100

119 94.9 78.1 117.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.325 ug/L

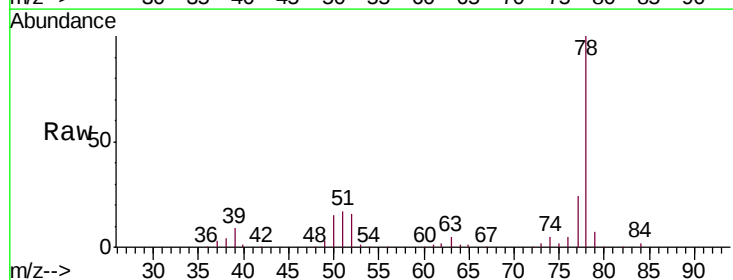
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

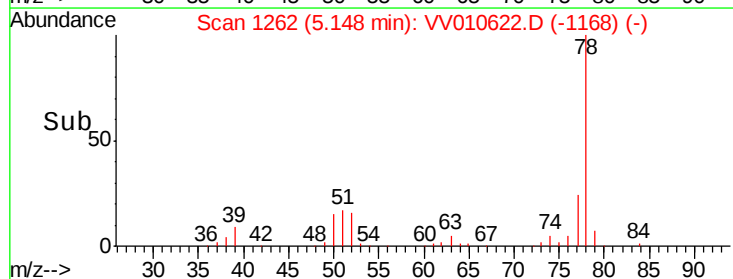
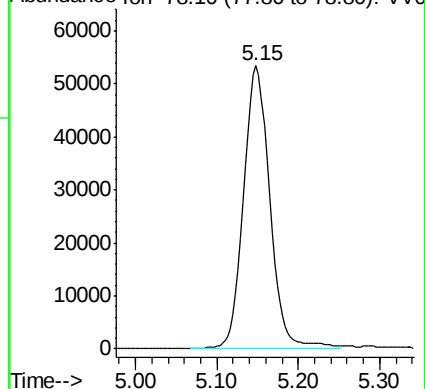
Lab File: VV010622.D

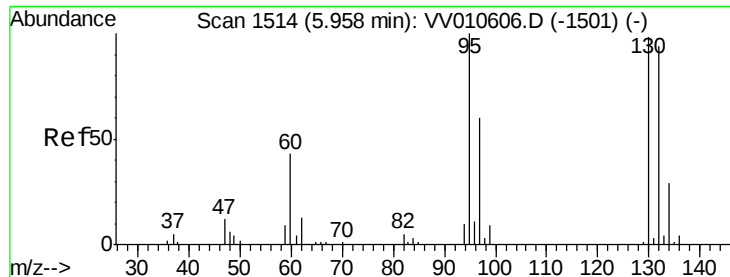
Acq: 01 May 2019 23:14

Tgt Ion: 78 Resp: 119416



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.117 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV010622.D

Acq: 01 May 2019 23:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD00556

Tgt Ion: 95 Resp: 32311

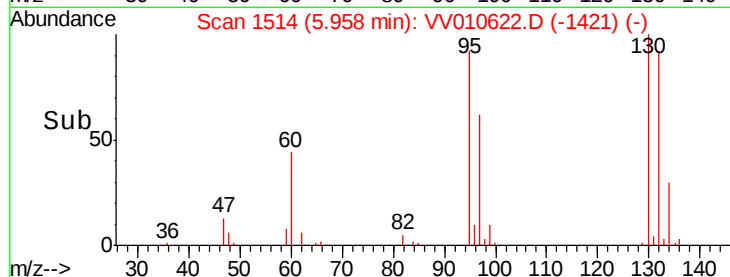
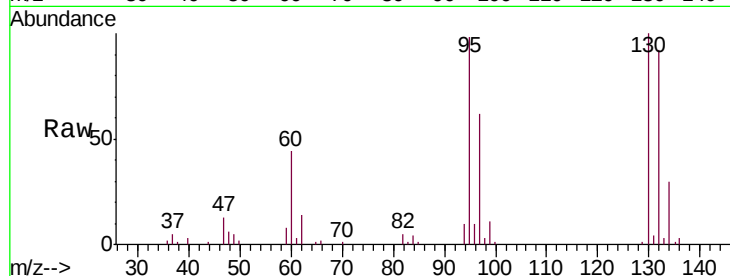
Ion Ratio Lower Upper

95 100

97 62.7 42.4 78.6

132 93.0 69.3 128.7

130 101.6 70.3 130.7

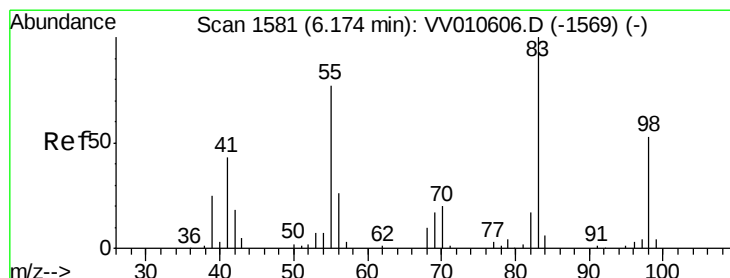
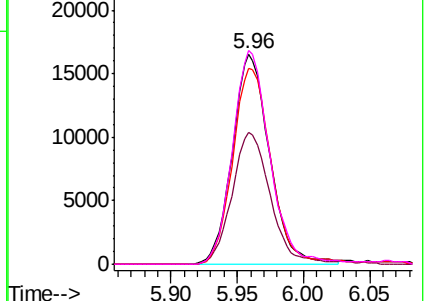


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 4.909 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV010622.D

Acq: 01 May 2019 23:14

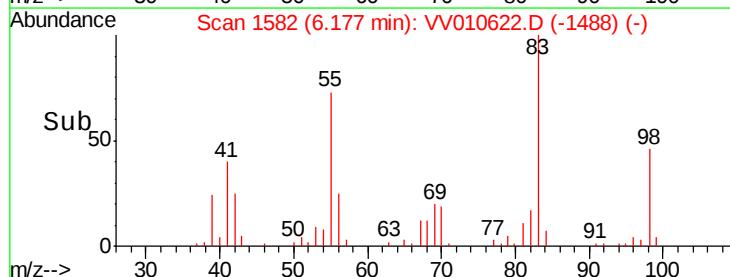
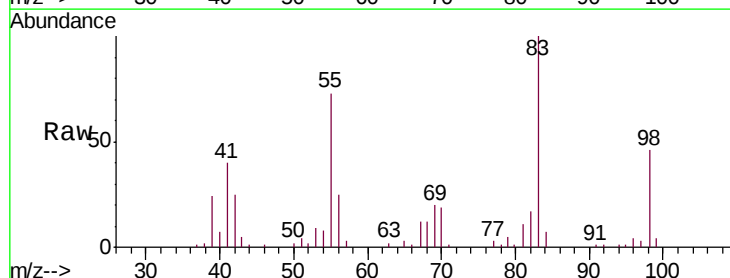
Tgt Ion: 83 Resp: 44906

Ion Ratio Lower Upper

83 100

55 75.6 63.4 95.0

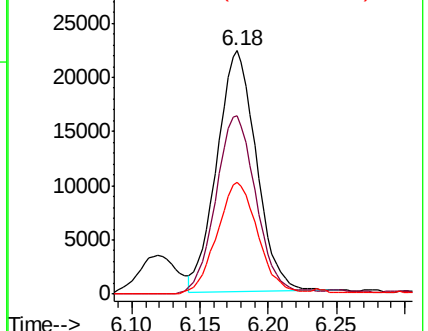
98 47.6 38.7 58.1

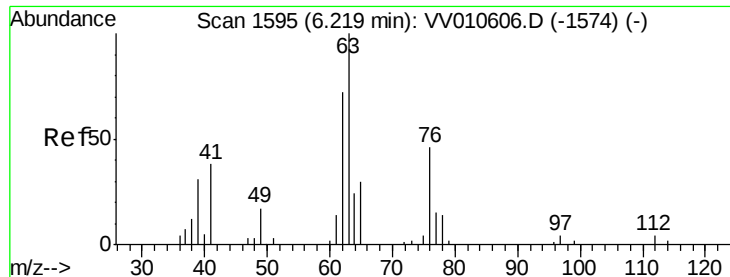


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

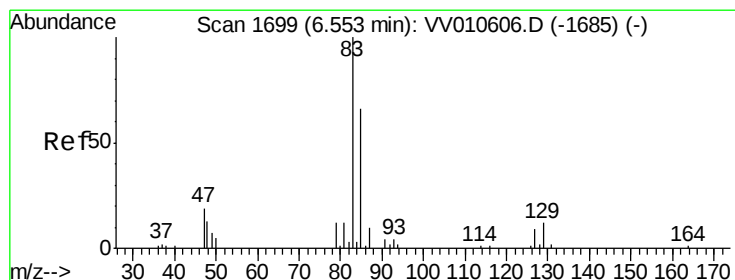
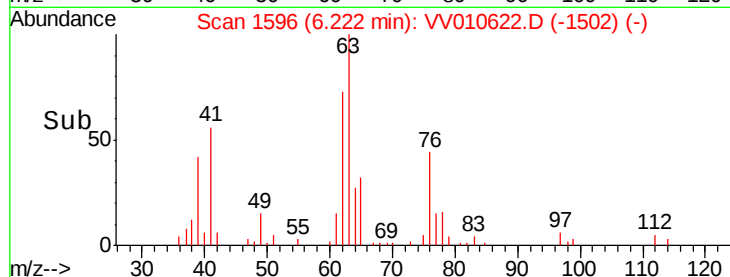
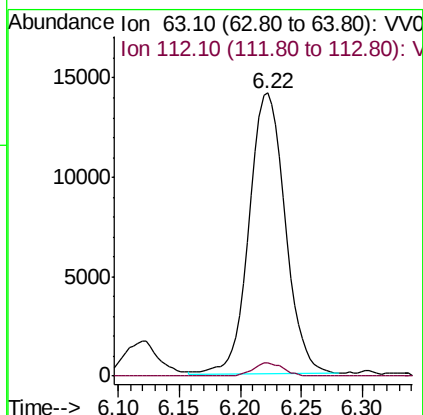
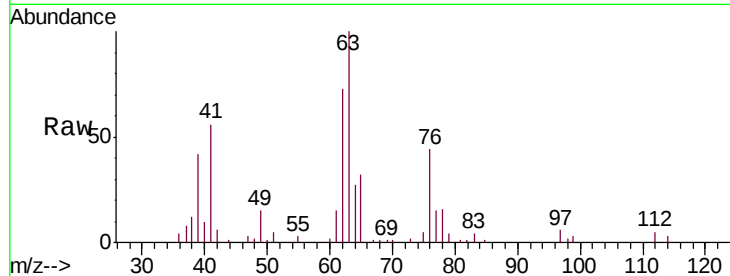




#37
 1,2-Dichloropropane
 Concen: 5.282 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV010622.D
 Acq: 01 May 2019 23:14

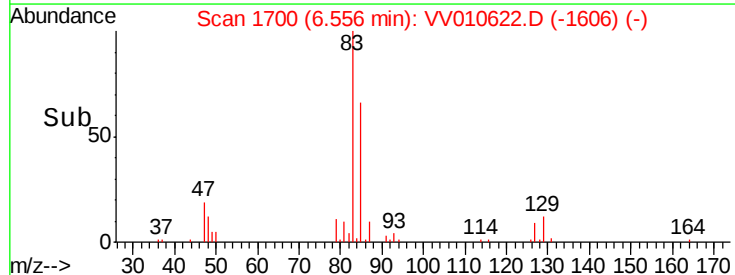
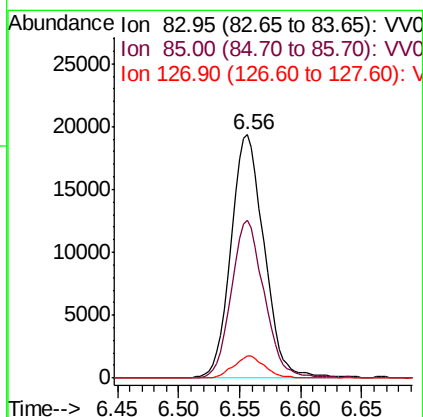
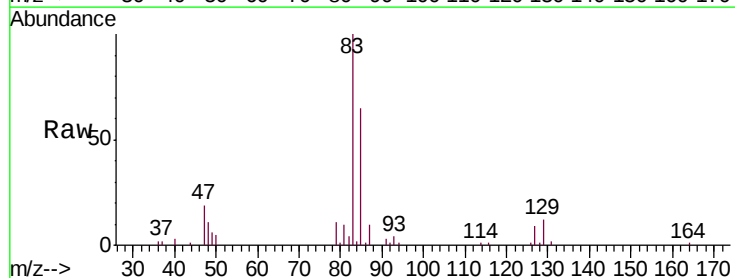
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00556

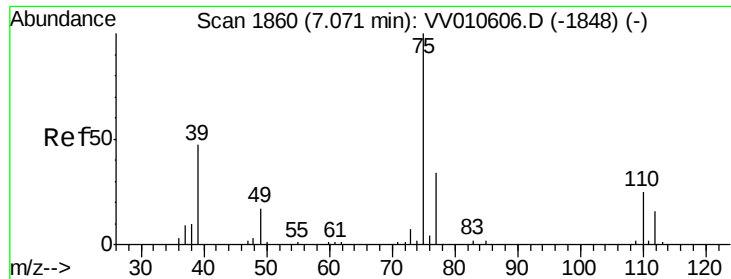
Tgt Ion: 63 Resp: 28946
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.5 5.3



#38
 Bromodichloromethane
 Concen: 5.241 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV010622.D
 Acq: 01 May 2019 23:14

Tgt Ion: 83 Resp: 36620
 Ion Ratio Lower Upper
 83 100
 85 65.1 43.3 80.3
 127 9.0 7.8 11.6

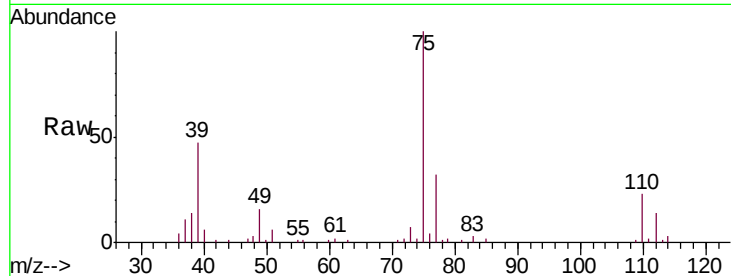




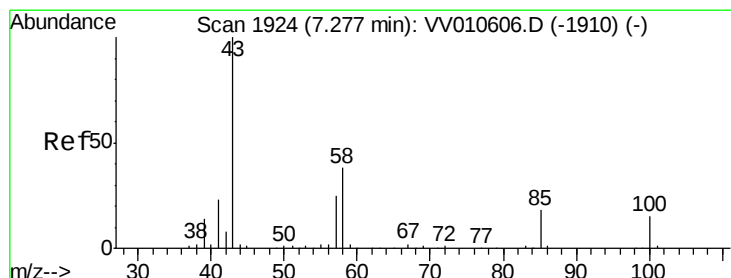
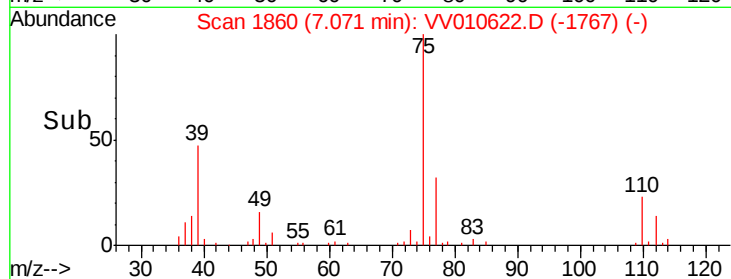
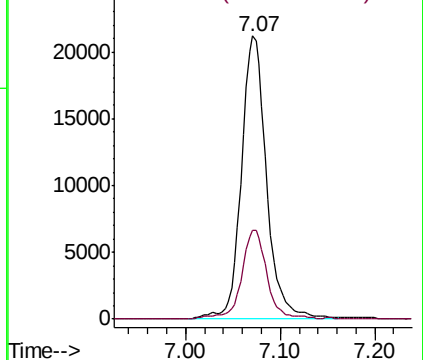
#39
 cis-1,3-Dichloropropene
 Concen: 5.290 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV010622.D
 Acq: 01 May 2019 23:14

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00556

Tgt Ion: 75 Resp: 39294
 Ion Ratio Lower Upper
 75 100
 77 31.5 23.9 44.3

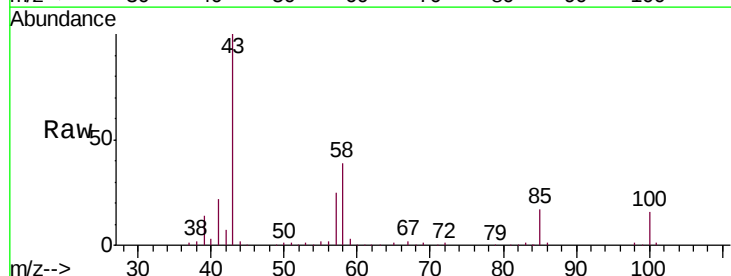


Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 77.05 (76.75 to 77.75): VV0

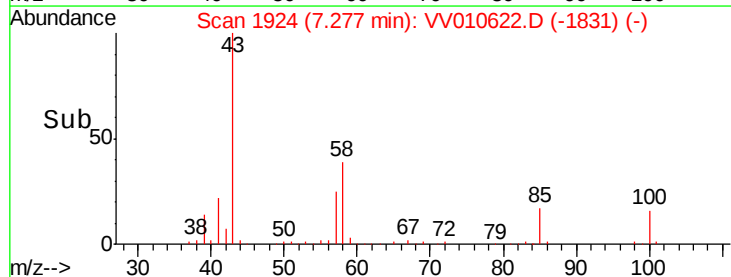
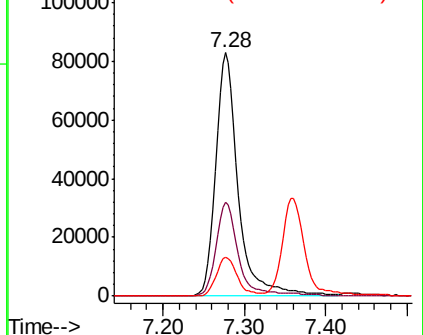


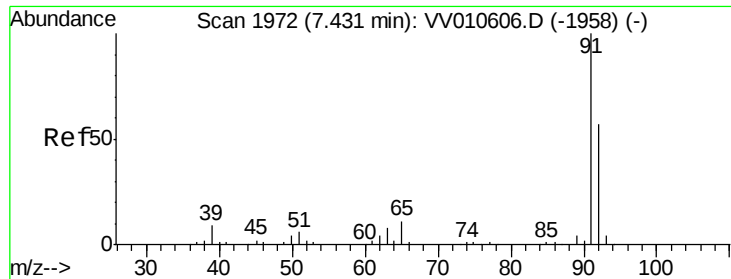
#40
 4-Methyl-2-pentanone
 Concen: 53.941 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV010622.D
 Acq: 01 May 2019 23:14

Tgt Ion: 43 Resp: 162283
 Ion Ratio Lower Upper
 43 100
 58 37.5 30.5 45.7
 100 15.1 10.8 16.2



Abundance Ion 43.05 (42.75 to 43.75): VV0
 Ion 58.05 (57.75 to 58.75): VV0
 Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 5.289 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010622.D

Acq: 01 May 2019 23:14

Instrument :

MSVOA_V

ClientSampleId :

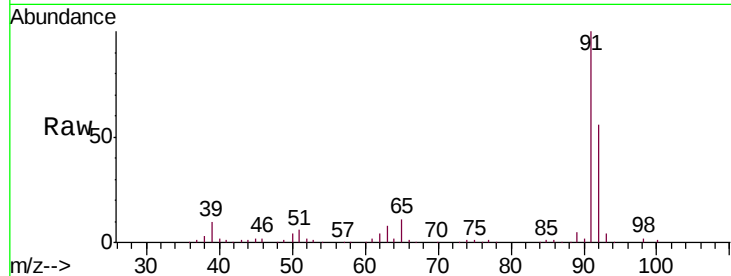
VSTD00556

Tgt Ion: 91 Resp: 132683

Ion Ratio Lower Upper

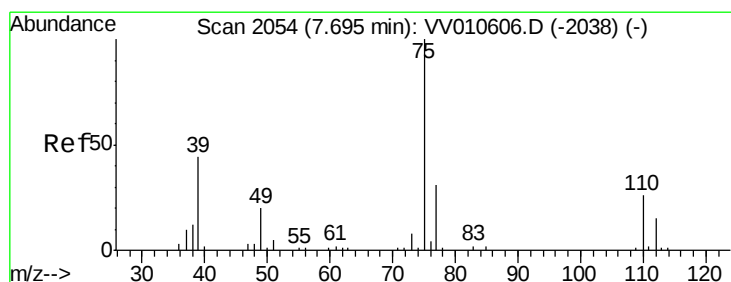
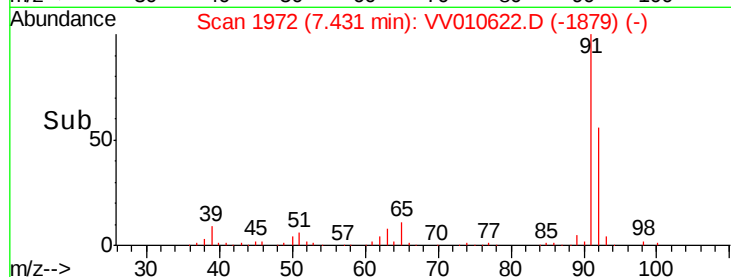
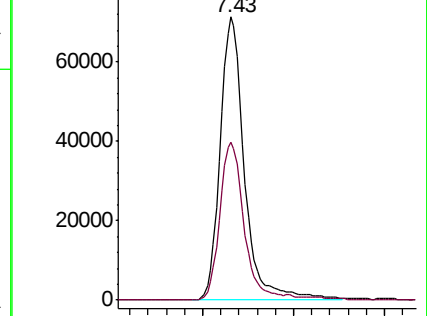
91 100

92 55.9 40.0 74.4



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 5.100 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV010622.D

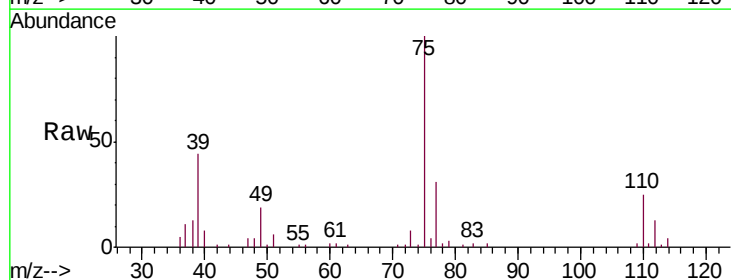
Acq: 01 May 2019 23:14

Tgt Ion: 75 Resp: 29548

Ion Ratio Lower Upper

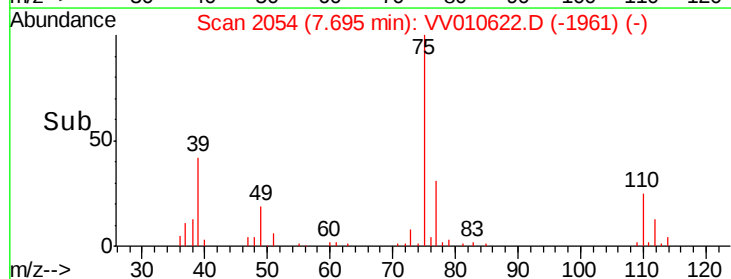
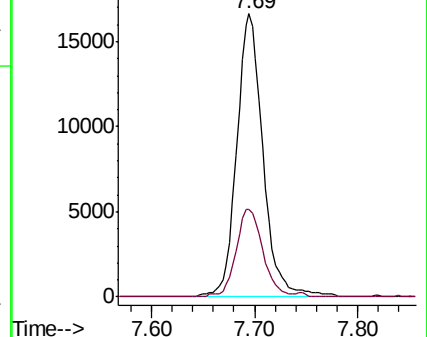
75 100

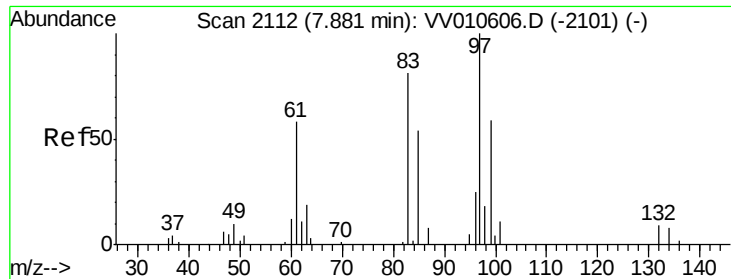
77 30.9 21.1 39.1



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

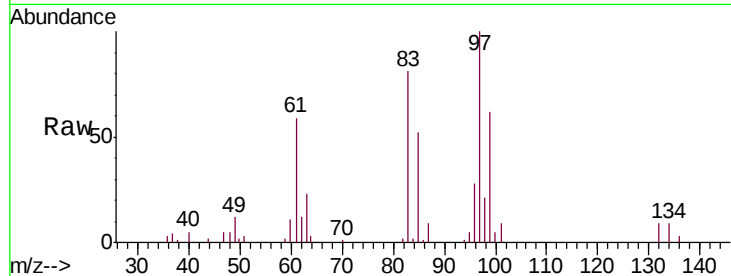




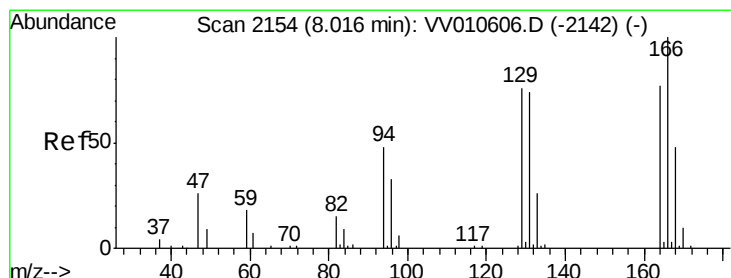
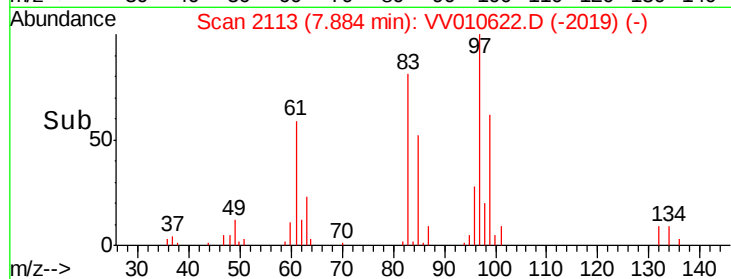
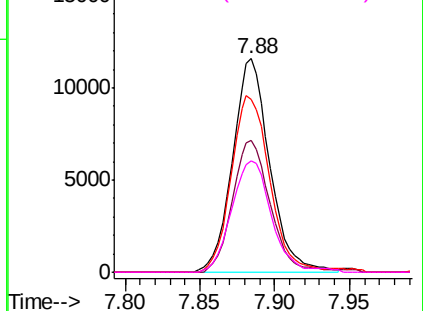
#45
 1,1,2-Trichloroethane
 Concen: 5.153 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV010622.D
 Acq: 01 May 2019 23:14

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00556

Tgt Ion:	97	Resp:	20063
Ion	Ratio	Lower	Upper
97	100		
99	61.5	47.1	87.5
83	81.0	65.9	122.5
85	52.4	43.2	80.2

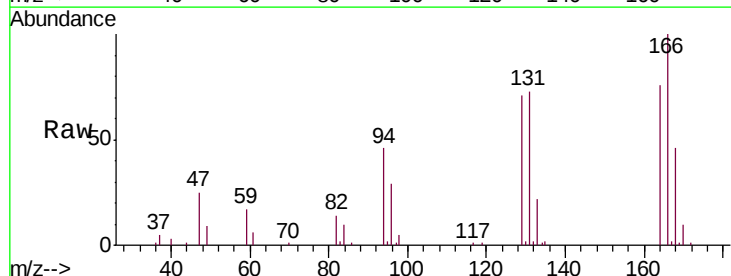


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

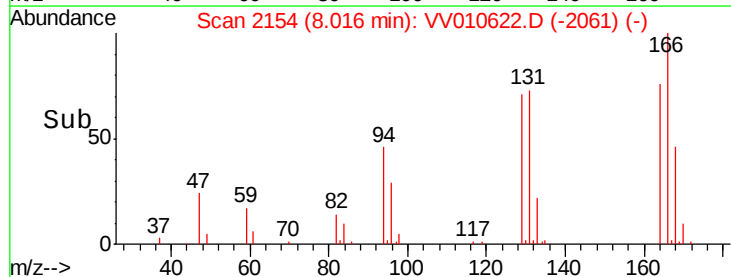
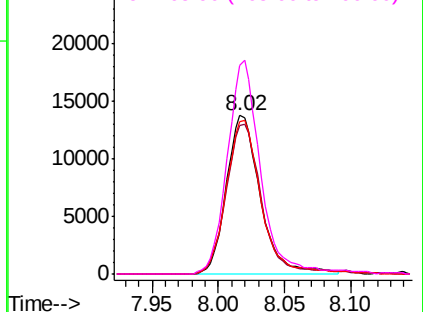


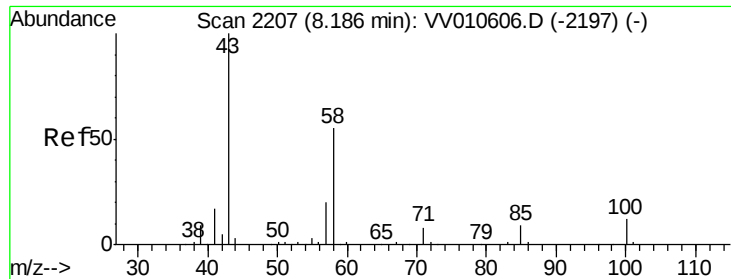
#47
 Tetrachloroethene
 Concen: 4.932 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV010622.D
 Acq: 01 May 2019 23:14

Tgt Ion:	164	Resp:	24583
Ion	Ratio	Lower	Upper
164	100		
129	93.9	69.9	129.7
131	96.1	65.6	121.8
166	131.8	88.9	165.1



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

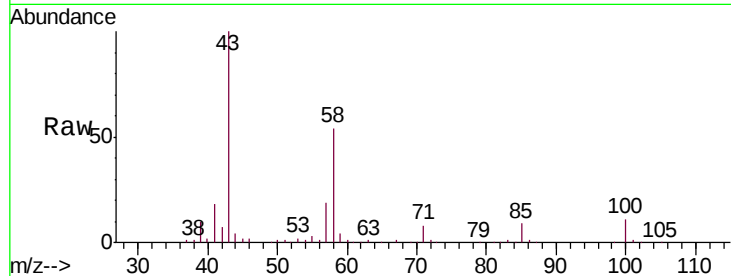




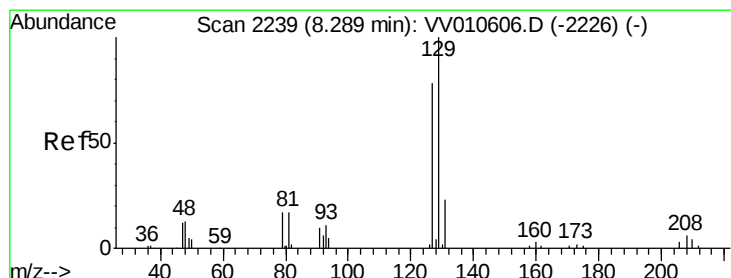
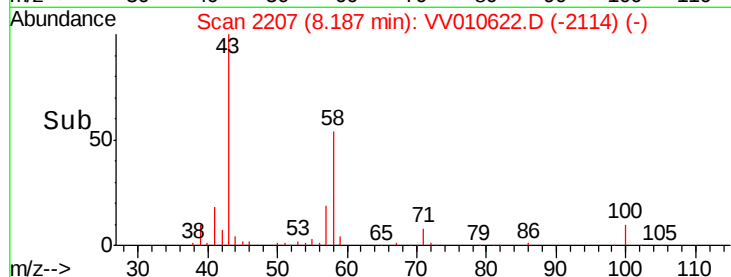
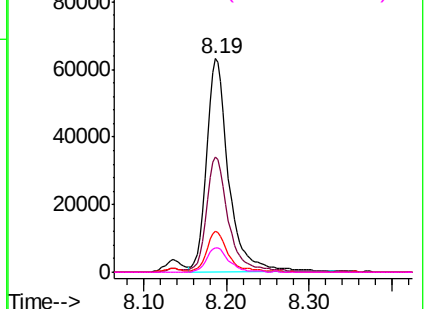
#48
2-Hexanone
Concen: 54.909 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV010622.D
Acq: 01 May 2019 23:14

Instrument :
MSVOA_V
ClientSampleId :
VSTD00556

Tgt Ion:	43	Resp:	118495
Ion	Ratio	Lower	Upper
43	100		
58	53.3	42.9	64.3
57	18.4	13.9	20.9
100	11.7	9.3	13.9

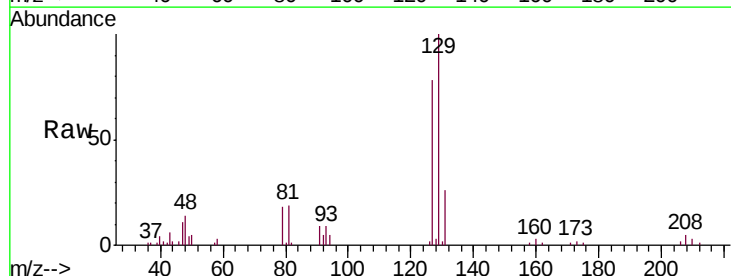


Abundance Ion 43.05 (42.75 to 43.75): VV010622.D (-2197) (-)
Ion 58.05 (57.75 to 58.75): VV010622.D (-2197) (-)
Ion 57.20 (56.90 to 57.90): VV010622.D (-2197) (-)
Ion 100.15 (99.85 to 100.85): VV010622.D (-2197) (-)

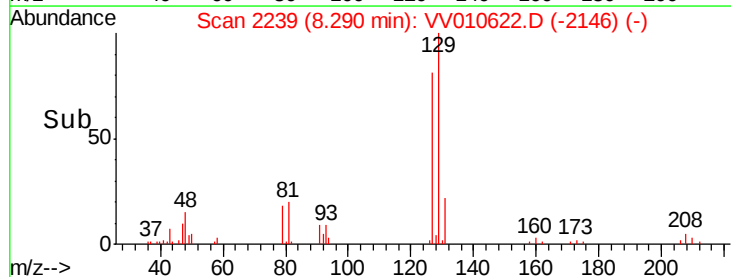
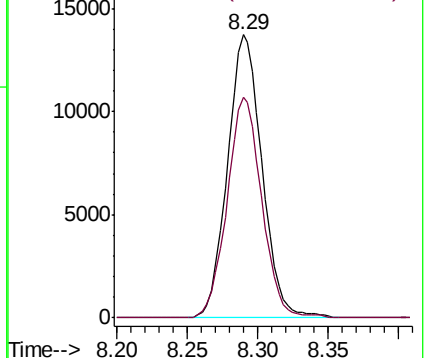


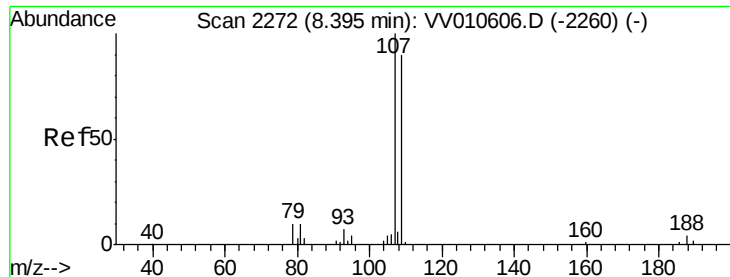
#49
Dibromochloromethane
Concen: 5.177 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV010622.D
Acq: 01 May 2019 23:14

Tgt Ion:	129	Resp:	23474
Ion	Ratio	Lower	Upper
129	100		
127	78.1	53.7	99.7



Abundance Ion 128.95 (128.65 to 129.65): VV010622.D (-2226) (-)
Ion 126.90 (126.60 to 127.60): VV010622.D (-2226) (-)

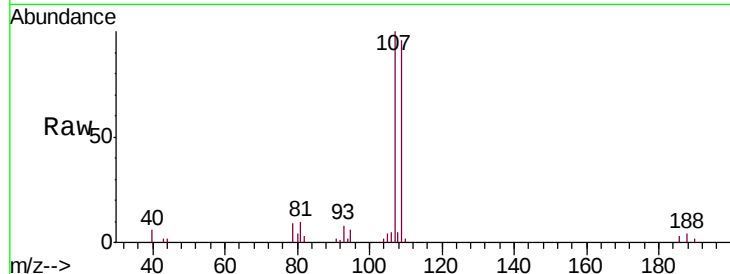




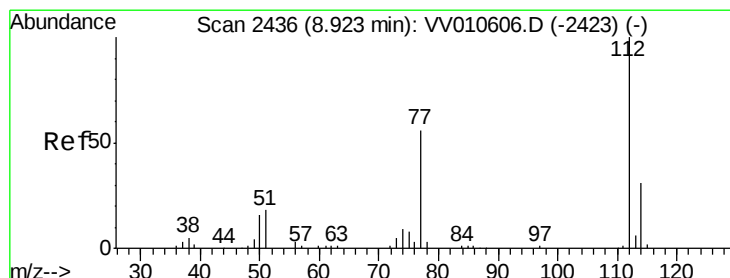
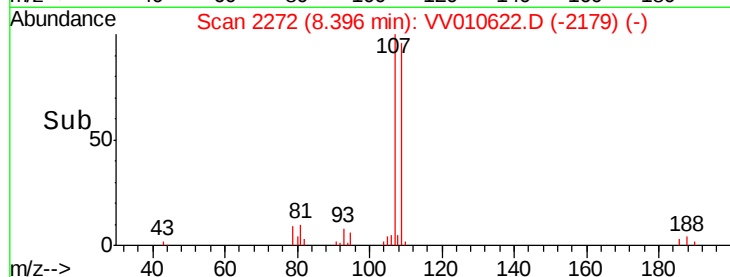
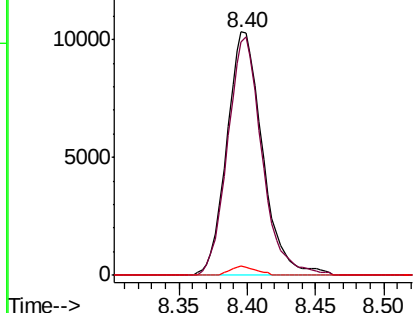
#50
1,2-Dibromoethane
Concen: 5.387 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV010622.D
Acq: 01 May 2019 23:14

Instrument :
MSVOA_V
ClientSampled :
VSTD00556

Tgt Ion:107 Resp: 18742
Ion Ratio Lower Upper
107 100
109 96.1 66.3 123.1
188 3.9 3.3 4.9

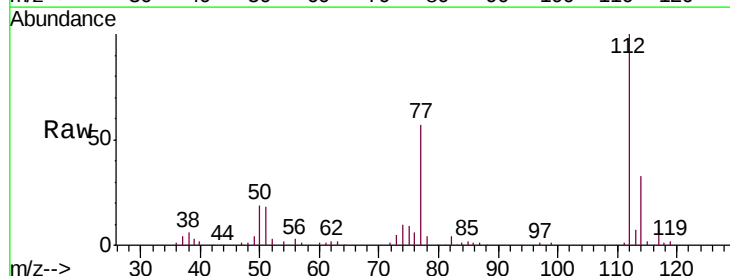


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

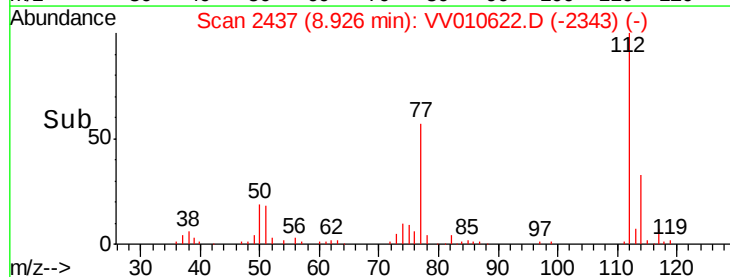
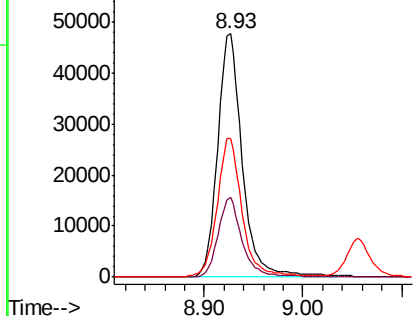


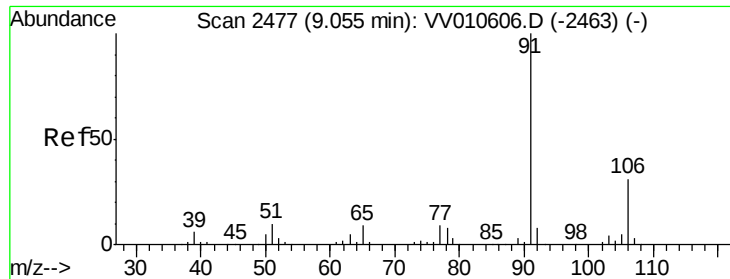
#51
Chlorobenzene
Concen: 5.129 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV010622.D
Acq: 01 May 2019 23:14

Tgt Ion:112 Resp: 83660
Ion Ratio Lower Upper
112 100
114 32.6 23.3 43.3
77 57.1 43.8 65.8



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

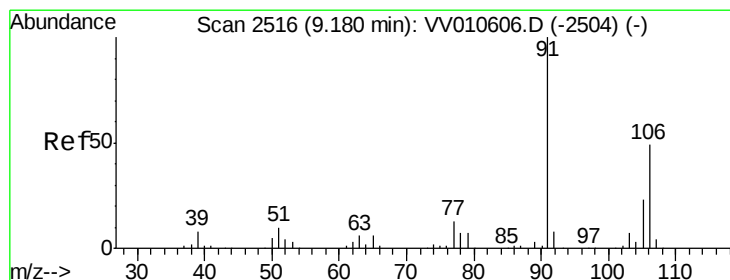
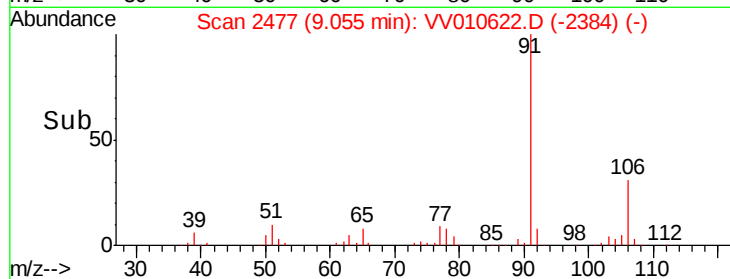
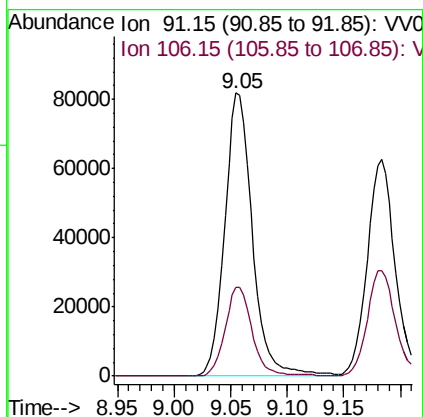
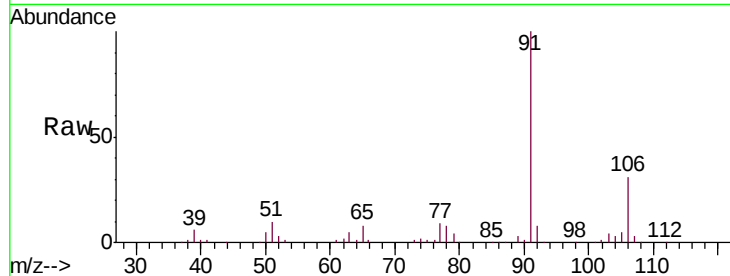




#52
Ethylbenzene
Concen: 5.235 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV010622.D
Acq: 01 May 2019 23:14

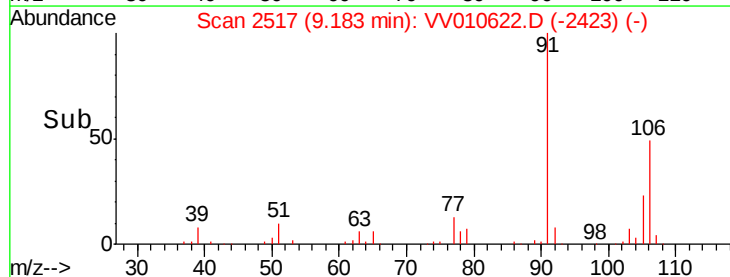
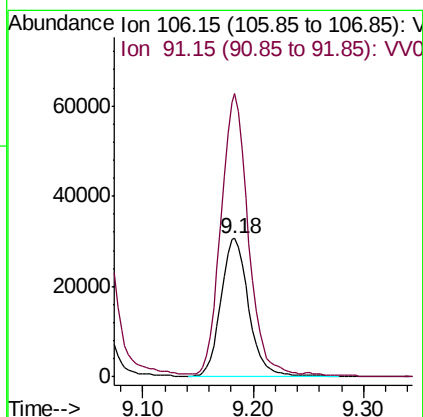
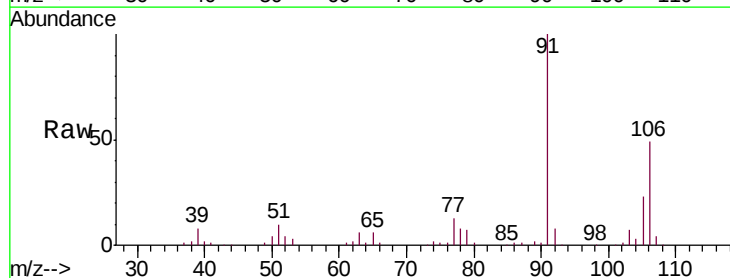
Instrument :
MSVOA_V
ClientSampleId :
VSTD00556

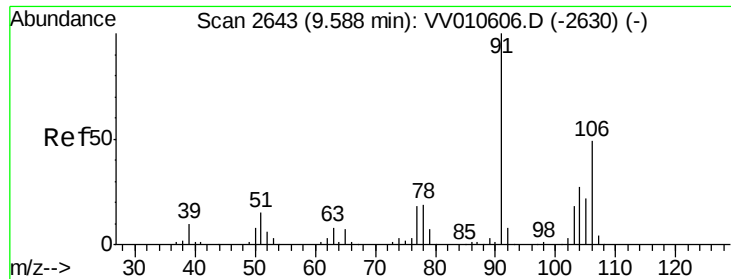
Tgt Ion: 91 Resp: 139305
Ion Ratio Lower Upper
91 100
106 31.2 22.0 40.8



#53
m,p-xylene
Concen: 5.235 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. 0.00 min
Lab File: VV010622.D
Acq: 01 May 2019 23:14

Tgt Ion: 106 Resp: 53354
Ion Ratio Lower Upper
106 100
91 204.4 139.4 258.8

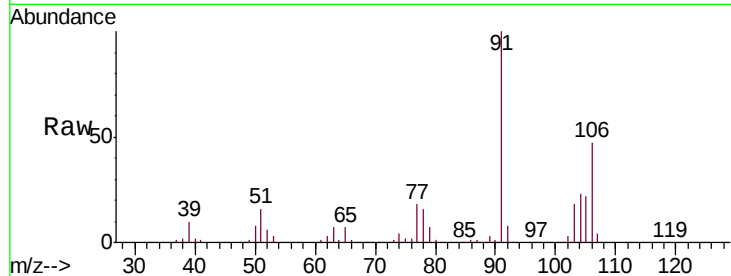




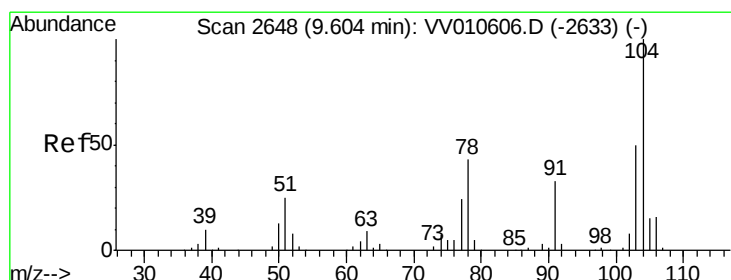
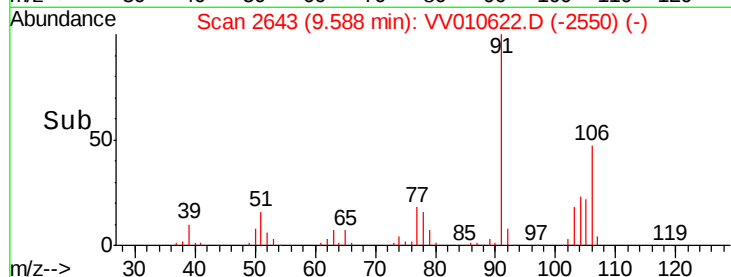
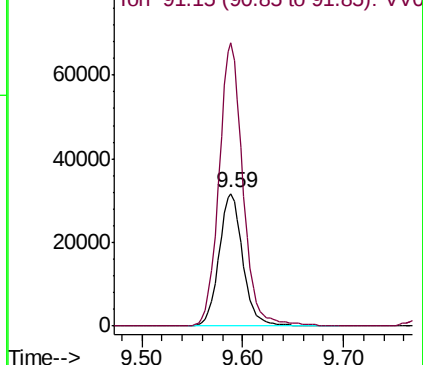
#54
o-xylene
Concen: 5.265 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV010622.D
Acq: 01 May 2019 23:14

Instrument :
MSVOA_V
ClientSampleId :
VSTD00556

Tgt Ion:106 Resp: 52240
Ion Ratio Lower Upper
106 100
91 213.2 151.9 282.1

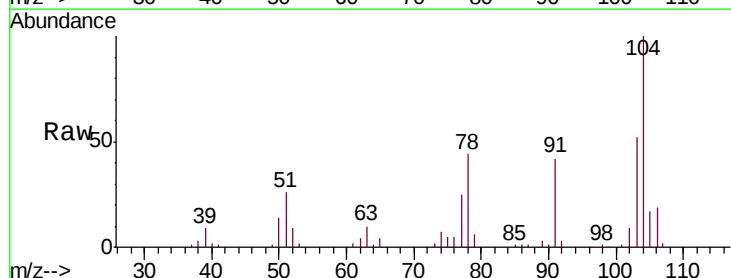


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

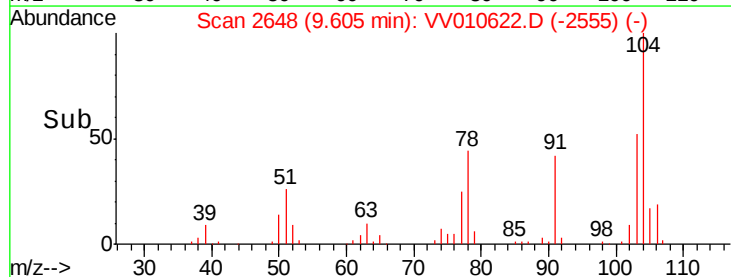
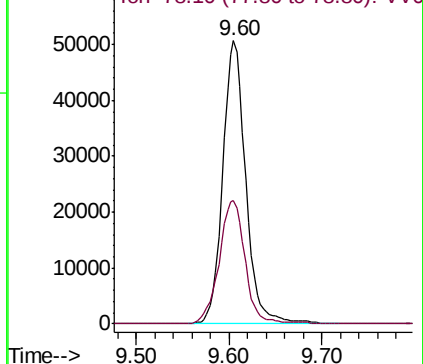


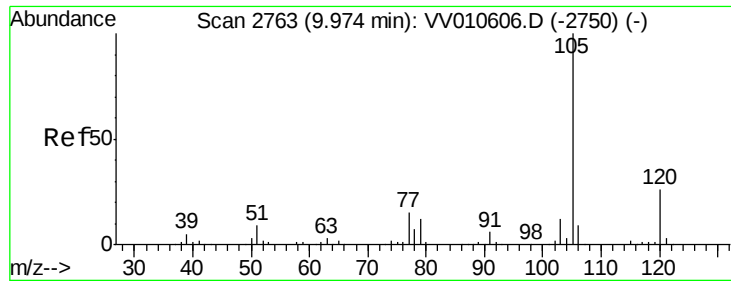
#55
Styrene
Concen: 5.305 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV010622.D
Acq: 01 May 2019 23:14

Tgt Ion:104 Resp: 87322
Ion Ratio Lower Upper
104 100
78 43.6 30.5 56.7



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.342 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV010622.D

Acq: 01 May 2019 23:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD00556

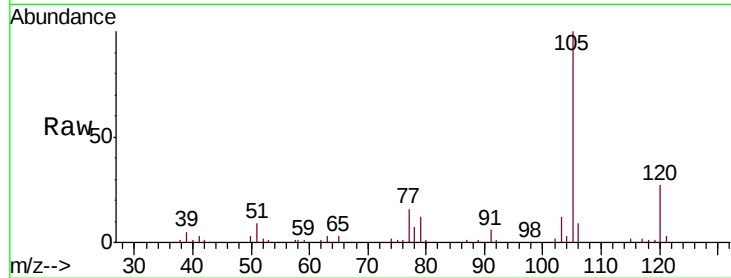
Tgt Ion: 105 Resp: 137557

Ion Ratio Lower Upper

105 100

120 26.4 22.0 33.0

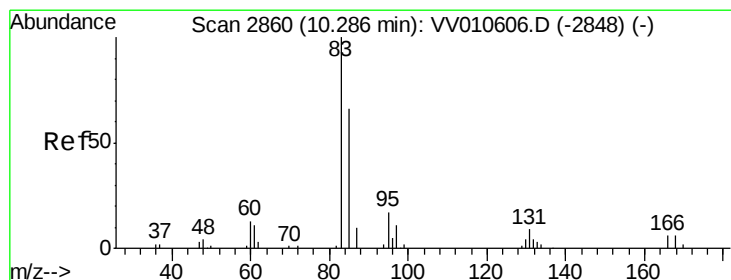
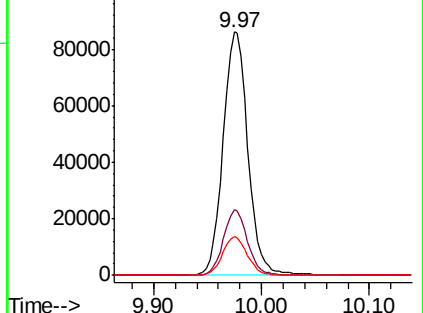
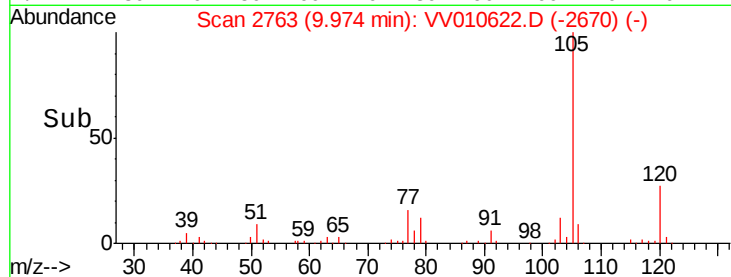
77 15.8 12.9 19.3



Abundance Ion 105.05 (104.75 to 105.75): VV010622.D (-2670) (-)

Ion 120.10 (119.80 to 120.80): VV010622.D (-2670) (-)

Ion 77.10 (76.80 to 77.80): VV010622.D (-2670) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 5.025 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV010622.D

Acq: 01 May 2019 23:14

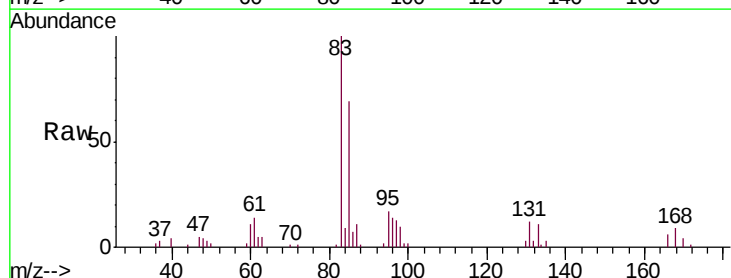
Tgt Ion: 83 Resp: 22099

Ion Ratio Lower Upper

83 100

85 69.2 44.7 83.1

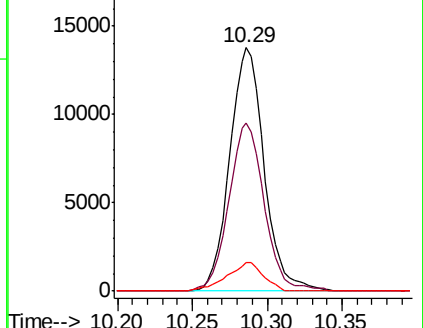
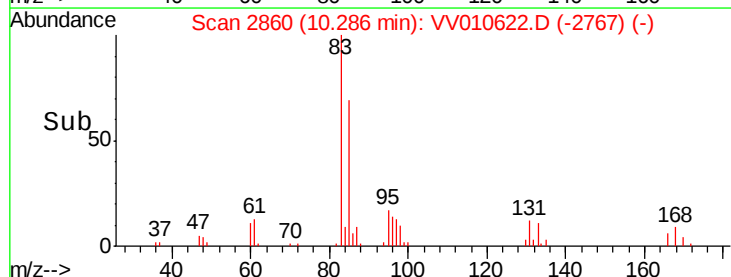
131 12.0 8.1 12.1

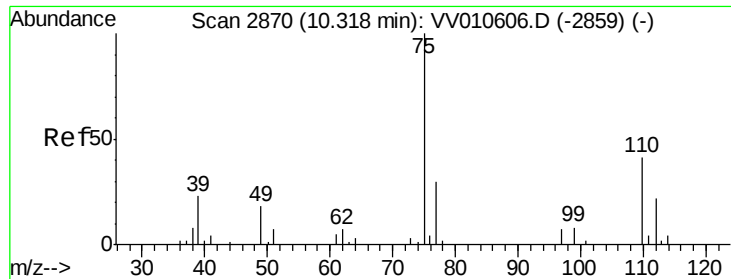


Abundance Ion 82.95 (82.65 to 83.65): VV010622.D (-2767) (-)

Ion 85.00 (84.70 to 85.70): VV010622.D (-2767) (-)

Ion 130.95 (130.65 to 131.65): VV010622.D (-2767) (-)

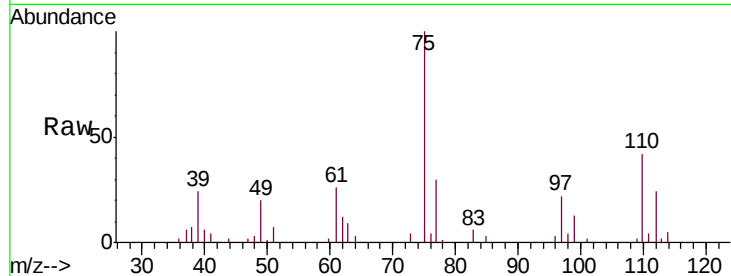




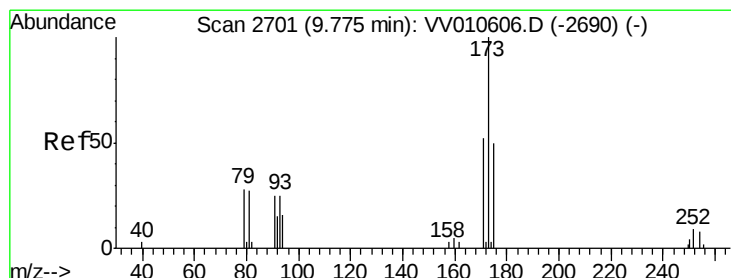
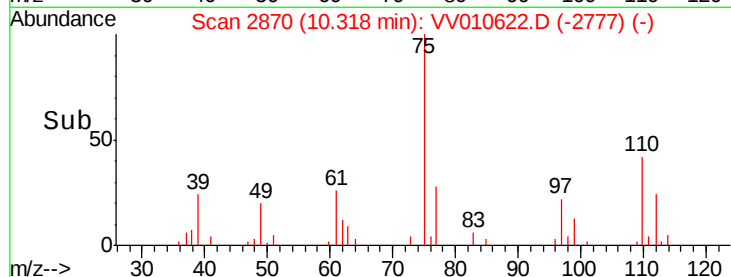
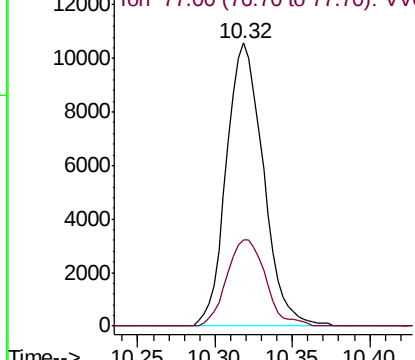
#59
 1,2,3-Trichloropropane
 Concen: 5.628 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV010622.D
 Acq: 01 May 2019 23:14

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00556

Tgt Ion: 75 Resp: 17541
 Ion Ratio Lower Upper
 75 100
 77 32.2 24.8 37.2

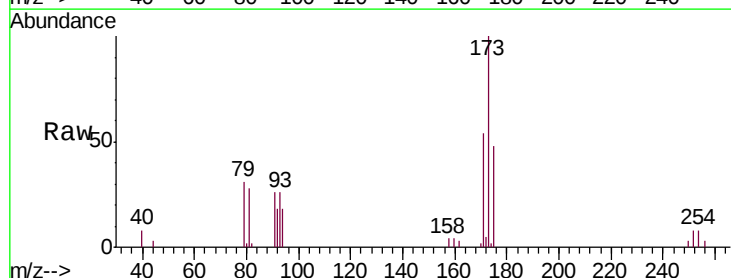


Abundance Ion 75.00 (74.70 to 75.70): VV010622.D (-2777) (-)
 Ion 77.00 (76.70 to 77.70): VV010622.D (-2777) (-)

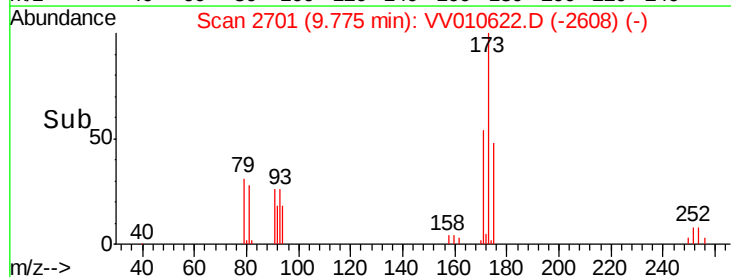
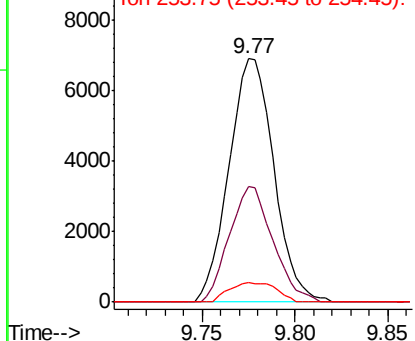


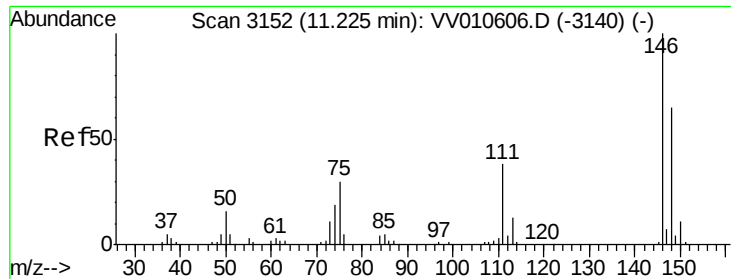
#61
 Bromoform
 Concen: 5.175 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV010622.D
 Acq: 01 May 2019 23:14

Tgt Ion: 173 Resp: 11616
 Ion Ratio Lower Upper
 173 100
 175 46.0 36.7 55.1
 254 8.4 5.9 8.9



Abundance Ion 172.90 (172.60 to 173.60): VV010622.D (-2608) (-)
 Ion 174.90 (174.60 to 175.60): VV010622.D (-2608) (-)
 Ion 253.75 (253.45 to 254.45): VV010622.D (-2608) (-)

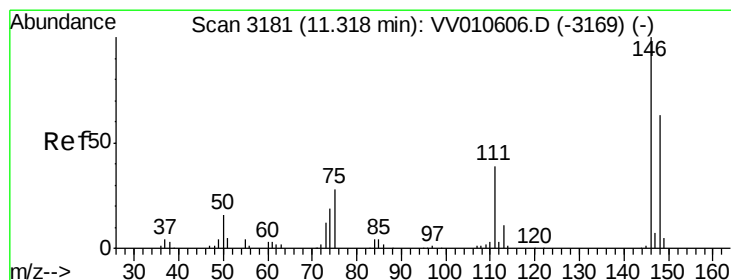
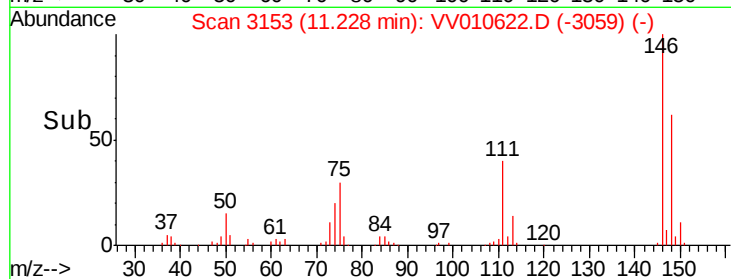
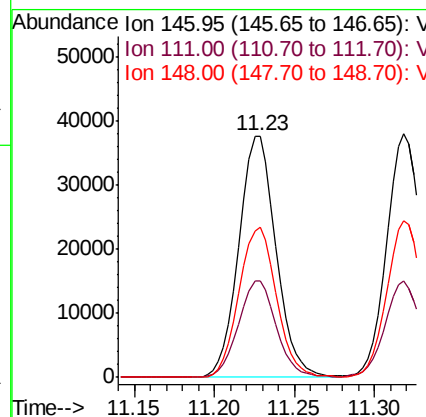
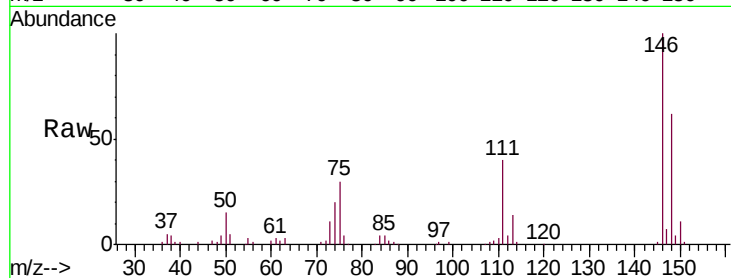




#62
 1,3-Dichlorobenzene
 Concen: 4.991 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV010622.D
 Acq: 01 May 2019 23:14

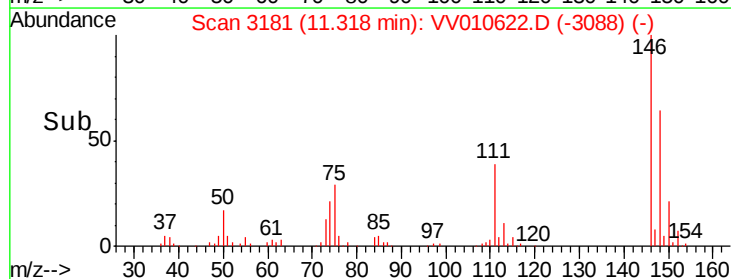
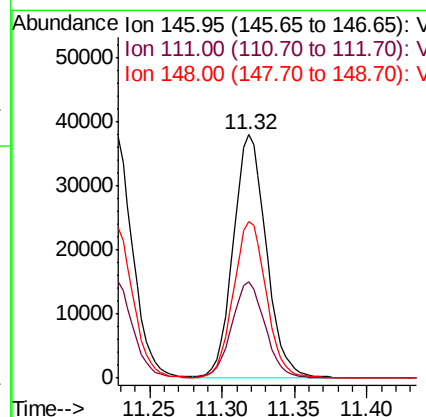
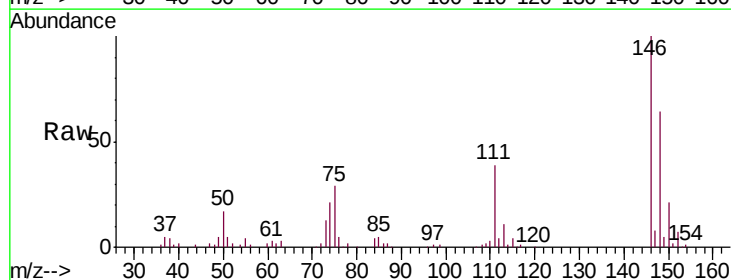
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00556

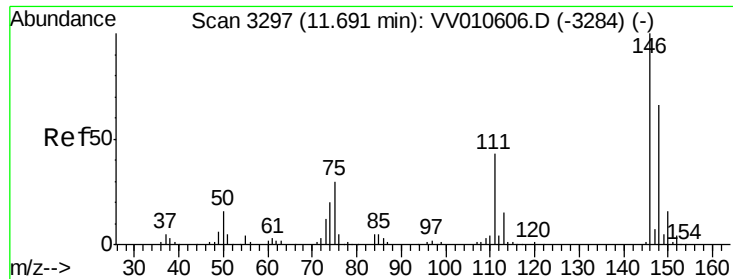
Tgt Ion:146 Resp: 59620
 Ion Ratio Lower Upper
 146 100
 111 39.9 28.8 53.6
 148 62.0 42.3 78.5



#63
 1,4-Dichlorobenzene
 Concen: 5.060 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV010622.D
 Acq: 01 May 2019 23:14

Tgt Ion:146 Resp: 60236
 Ion Ratio Lower Upper
 146 100
 111 39.4 26.8 49.8
 148 64.5 43.2 80.2





#65

1,2-Dichlorobenzene

Concen: 5.158 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV010622.D

Acq: 01 May 2019 23:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD00556

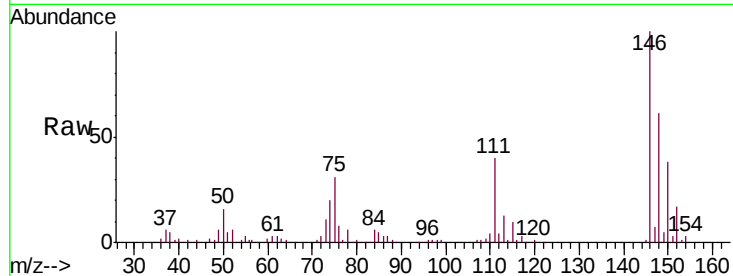
Tgt Ion:146 Resp: 58575

Ion Ratio Lower Upper

146 100

111 40.4 32.7 49.1

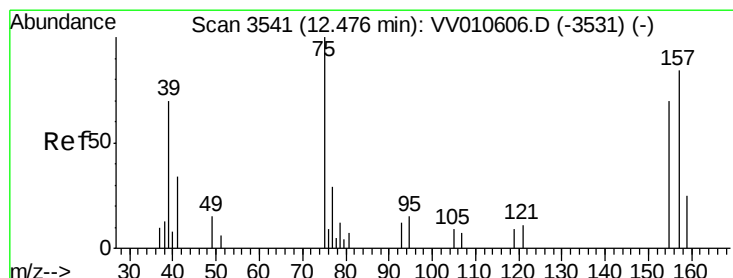
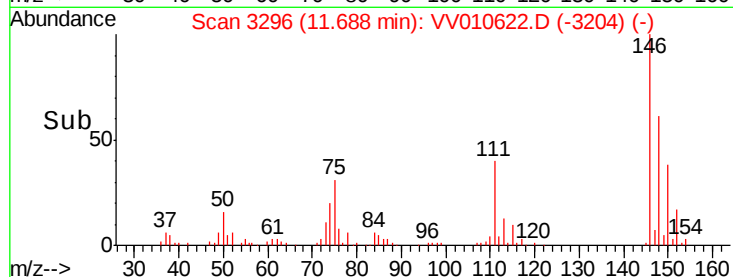
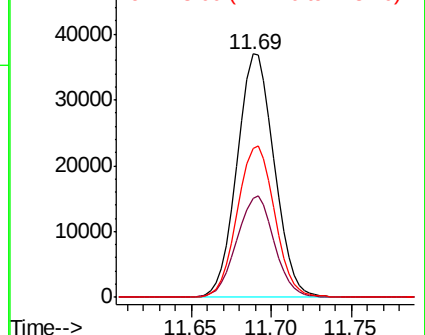
148 61.2 50.2 75.4



Abundance Ion 145.95 (145.65 to 146.65): 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: 5.300 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV010622.D

Acq: 01 May 2019 23:14

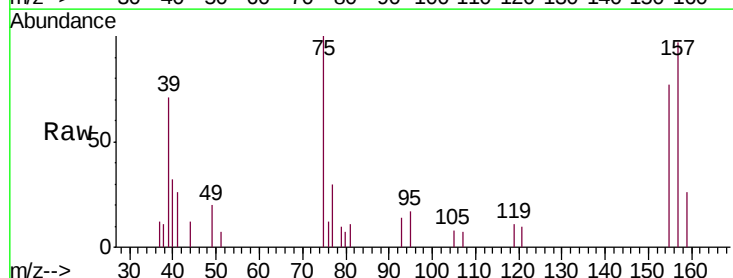
Tgt Ion: 75 Resp: 3450

Ion Ratio Lower Upper

75 100

155 77.0 60.8 91.2

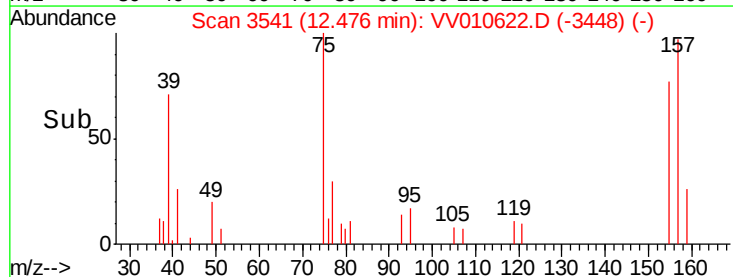
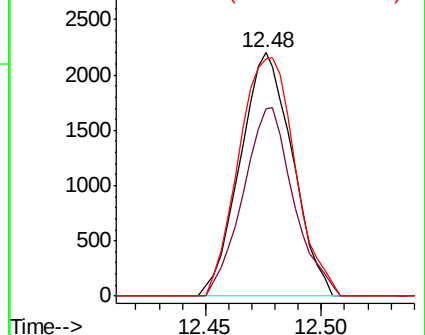
157 97.2 90.2 135.4

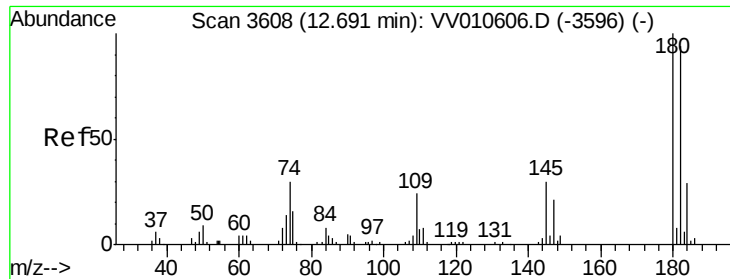


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

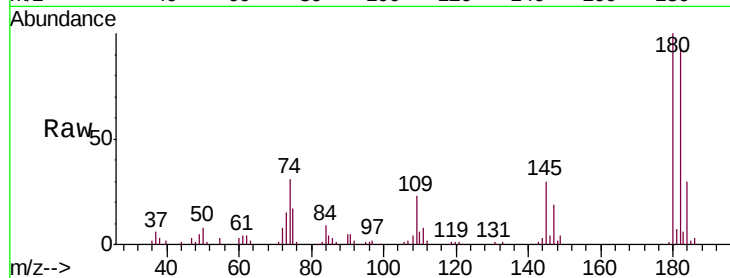




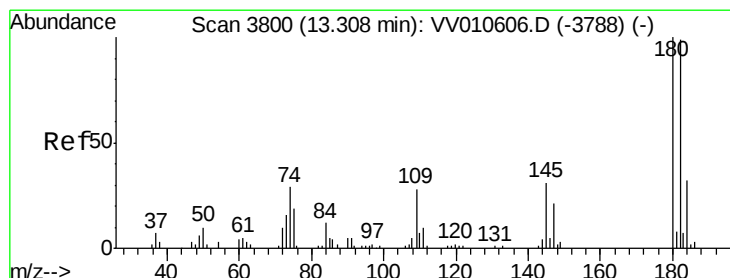
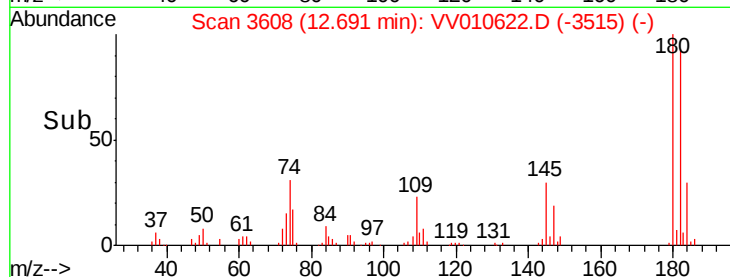
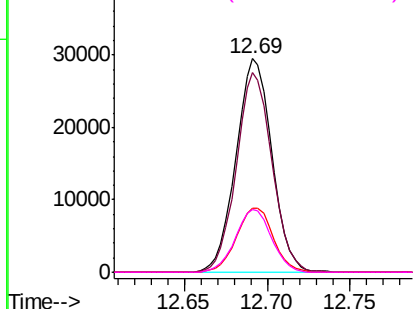
#67
 1,3,5-Trichlorobenzene
 Concen: 4.954 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV010622.D
 Acq: 01 May 2019 23:14

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00556

Tgt Ion:180 Resp: 44407
 Ion Ratio Lower Upper
 180 100
 182 92.6 77.0 115.6
 184 30.8 23.4 35.2
 145 29.5 25.5 38.3

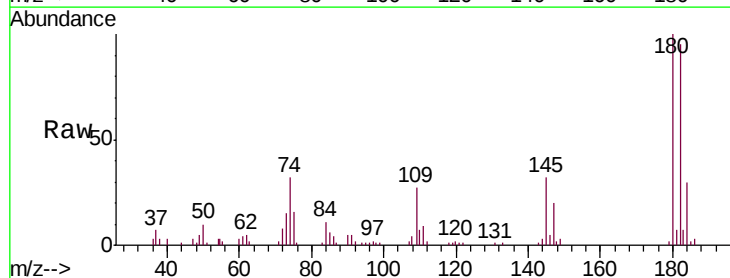


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

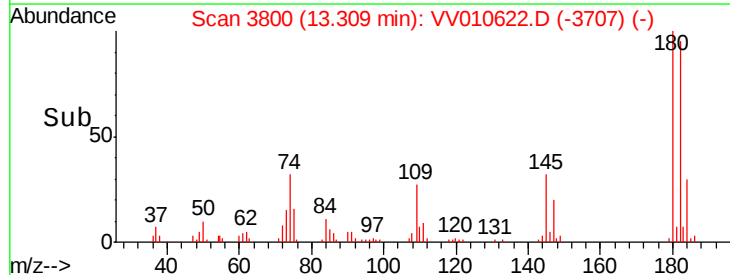
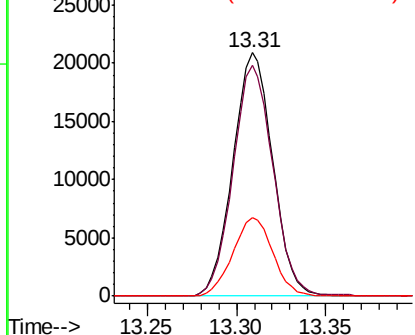


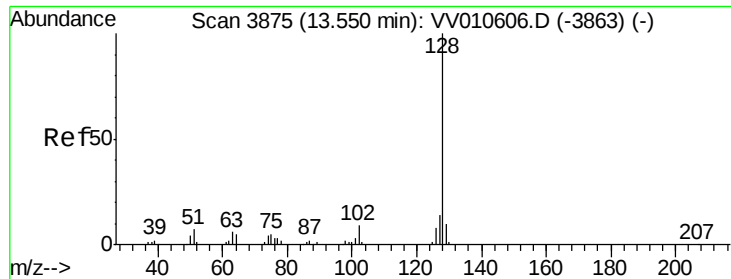
#68
 1,2,4-trichlorobenzene
 Concen: 4.811 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV010622.D
 Acq: 01 May 2019 23:14

Tgt Ion:180 Resp: 32351
 Ion Ratio Lower Upper
 180 100
 182 95.6 77.7 116.5
 145 32.4 26.0 39.0



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.795 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV010622.D

Acq: 01 May 2019 23:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD00556

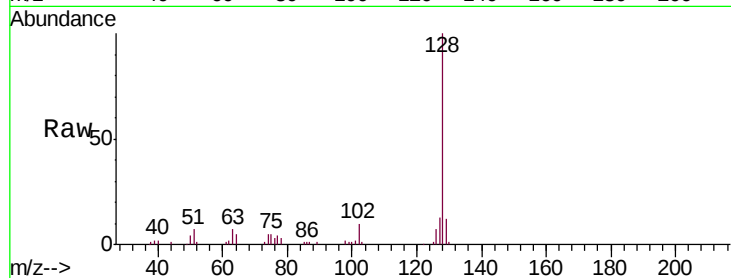
Tgt Ion:128 Resp: 49316

Ion Ratio Lower Upper

128 100

129 11.2 8.5 12.7

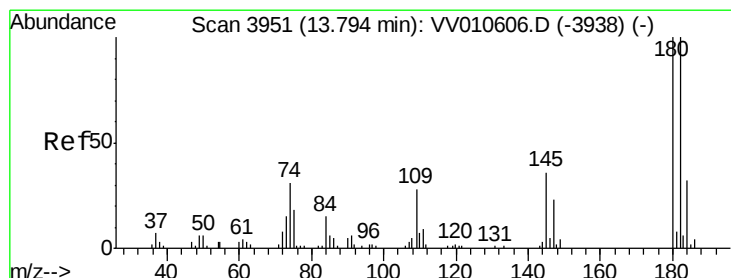
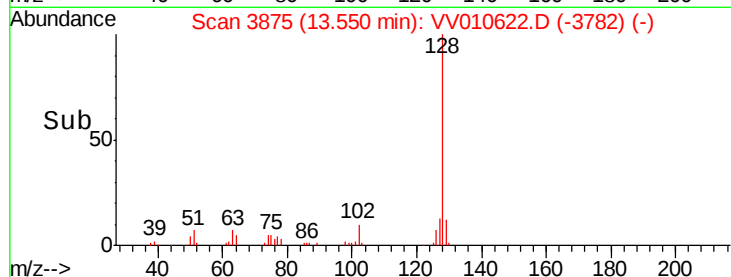
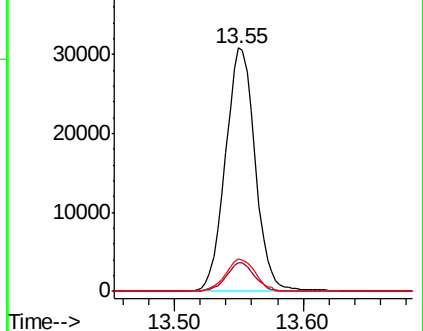
127 13.2 10.3 15.5



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: 5.106 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV010622.D

Acq: 01 May 2019 23:14

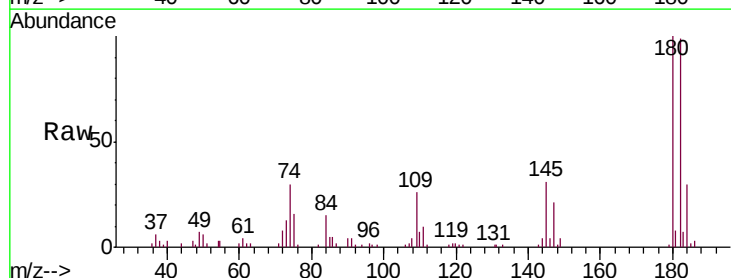
Tgt Ion:180 Resp: 30624

Ion Ratio Lower Upper

180 100

182 98.4 76.0 114.0

145 33.8 26.2 39.4



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

