

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV010419\
 Data File : VV009163.D
 Acq On : 04 Jan 2019 15:43
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00 G/10ML/MSVOA_V/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02573

Quant Time: Jan 05 05:00:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM010419S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jan 05 04:53:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	189451	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	171101	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	84963	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	26488	20.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.80%
7) Chloroethane-d5	1.58	69	27241	21.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.68%
10) 1,1-Dichloroethene-d2	2.13	63	94640	21.85	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.40%
20) 2-Butanone-d5	3.96	46	38807	42.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.14%
24) Chloroform-d	4.40	84	90344	22.65	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.60%
26) 1,2-Dichloroethane-d4	5.08	65	48309	22.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.56%
29) Benzene-d6	5.10	84	173681	22.78	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.12%
33) 1,2-Dichloropropane-d6	6.12	67	49615	22.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.80%
37) Toluene-d8	7.36	98	161976	22.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.08%
38) trans-1,3-Dichloropropene-	7.67	79	23104	22.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.12%
39) 2-Hexanone-d5	8.14	63	22931	44.45	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.90%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	55028	22.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.64%
61) 1,2-Dichlorobenzene-d4	11.67	152	62397	21.73	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.92%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	68498	22.493	ug/L 100
3) Chloromethane	1.25	50	46105	22.354	ug/L 99
5) Vinyl chloride	1.32	62	51208	23.187	ug/L 99
6) Bromomethane	1.53	94	35837	23.037	ug/L 98
8) Chloroethane	1.60	64	31475	23.126	ug/L 98
9) Trichlorofluoromethane	1.76	101	95379	23.557	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	63999	23.734	ug/L 99
12) 1,1-Dichloroethene	2.14	96	56123	23.999	ug/L 98
13) Acetone	2.21	43	51949	40.208	ug/L 97
14) Carbon disulfide	2.31	76	152240	22.783	ug/L 99
15) Methyl Acetate	2.47	43	35177	22.004	ug/L 96
16) Methylene chloride	2.53	84	60006	21.201	ug/L 95
17) Methyl tert-butyl Ether	2.81	73	138670	24.209	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	59674	24.078	ug/L 99
19) 1,1-Dichloroethane	3.23	63	100562	24.435	ug/L 99
21) 2-Butanone	4.04	43	51296	45.392	ug/L # 88
22) cis-1,2-Dichloroethene	3.96	96	65045	24.551	ug/L 95

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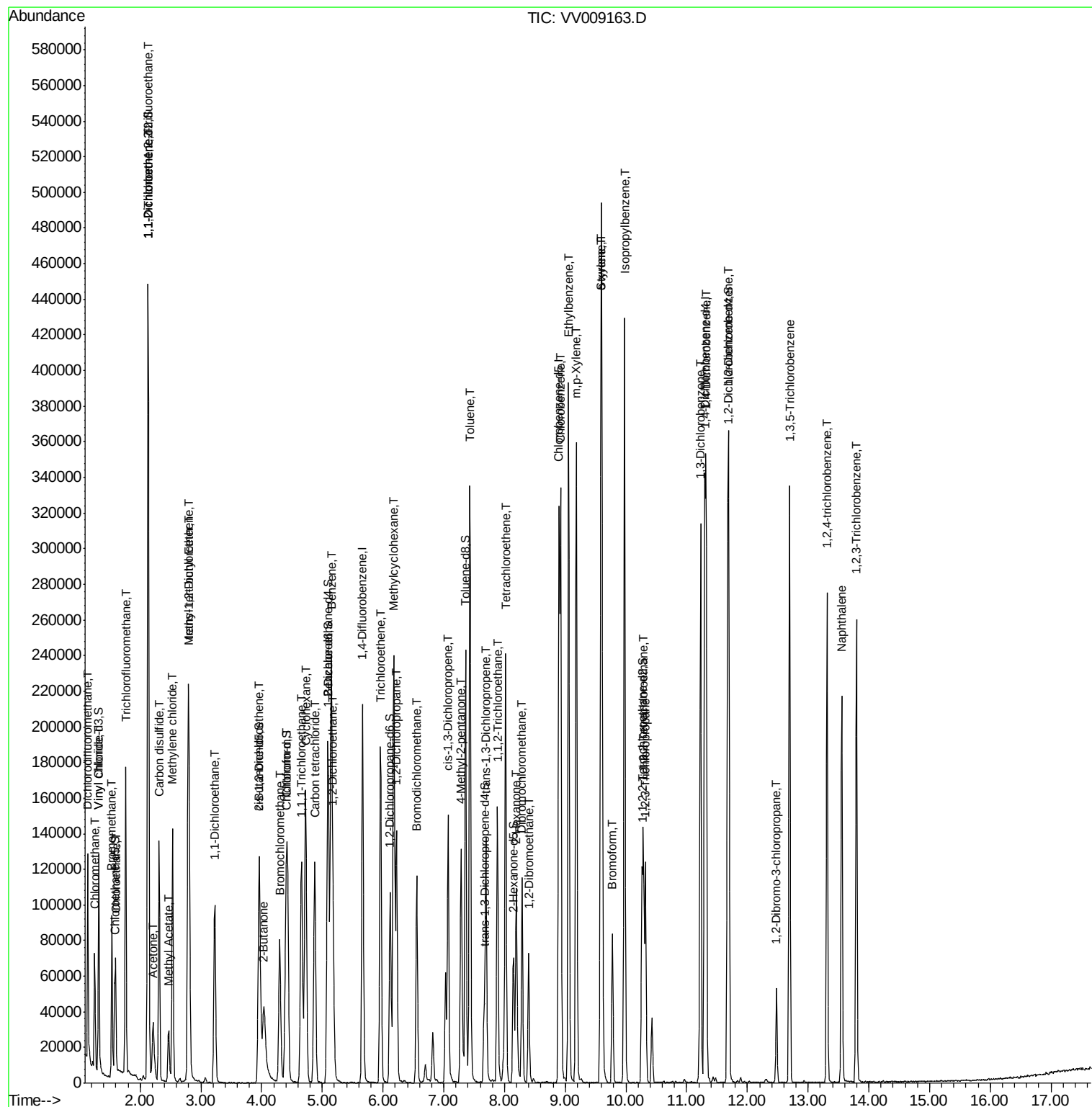
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	30252	24.270	ug/L	94
25) Chloroform	4.43	83	107753	24.587	ug/L	99
27) 1,2-Dichloroethane	5.18	62	71640	24.336	ug/L	97
30) Cyclohexane	4.72	56	90257	23.795	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	101980	24.515	ug/L	99
32) Carbon tetrachloride	4.87	117	92624	24.326	ug/L	99
34) Benzene	5.15	78	222978	24.242	ug/L	100
35) Trichloroethene	5.96	95	65077	24.558	ug/L	98
36) Methylcyclohexane	6.18	83	106012	23.943	ug/L	99
40) 1,2-Dichloropropane	6.22	63	55114	24.860	ug/L	98
41) Bromodichloromethane	6.55	83	75616	24.883	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	88047	25.062	ug/L	99
43) 4-Methyl-2-pentanone	7.28	43	97556	46.165	ug/L	97
44) Toluene	7.43	91	244438	24.649	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	76940	25.015	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	50056	25.546	ug/L	97
47) Tetrachloroethene	8.02	164	55949	24.370	ug/L	99
49) 2-Hexanone	8.19	43	71920	46.244	ug/L	98
50) Dibromochloromethane	8.29	129	61125	25.393	ug/L	100
51) 1,2-Dibromoethane	8.40	107	50064	24.434	ug/L	98
52) Chlorobenzene	8.93	112	165199	24.279	ug/L	99
53) Ethylbenzene	9.05	91	279412	24.914	ug/L	98
54) m,p-Xylene	9.18	106	108006	24.718	ug/L	96
55) o-xylene	9.59	106	103277	25.562	ug/L	97
56) Styrene	9.60	104	170181	24.973	ug/L	99
57) Isopropylbenzene	9.98	105	282520	25.203	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	64668	24.632	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	50124	23.887	ug/L	100
62) Bromoform	9.78	173	38316	25.535	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	131692	24.600	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	133677	23.956	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	124766	24.467	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	12887	24.342	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	102782	23.806	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	83540	23.772	ug/L	99
69) Naphthalene	13.55	128	173473	24.235	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	75951	23.550	ug/L	96

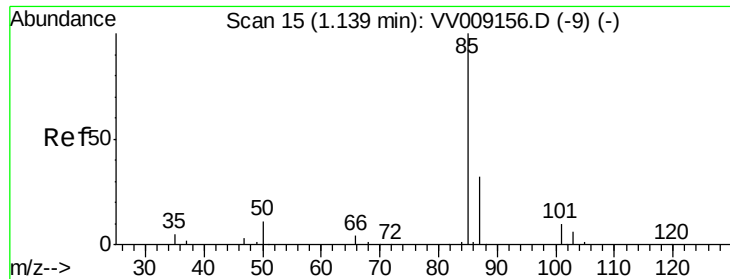
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.493 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV009163.D

Acq: 04 Jan 2019 15:43

Instrument :

MSVOA_V

ClientSampleId :

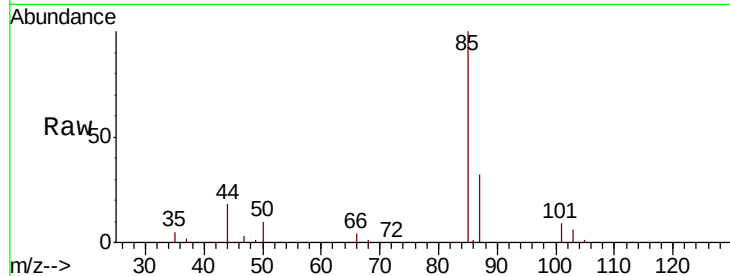
VSTD02573

Tgt Ion: 85 Resp: 68498

Ion Ratio Lower Upper

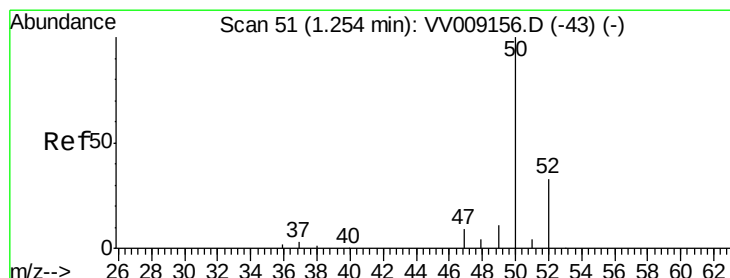
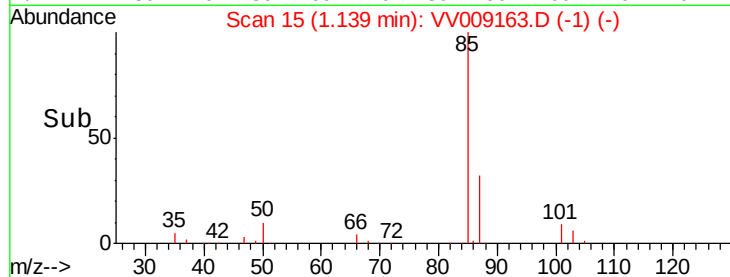
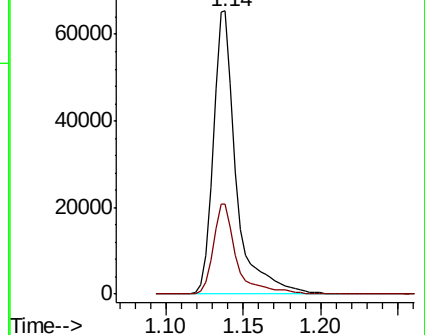
85 100

87 32.3 22.5 41.7



Abundance Ion 85.00 (84.70 to 85.70): VV009156.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VV009156.D (-9) (-)



#3

Chloromethane

Concen: 22.354 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV009163.D

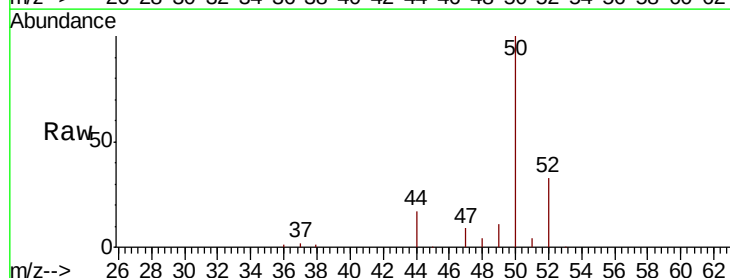
Acq: 04 Jan 2019 15:43

Tgt Ion: 50 Resp: 46105

Ion Ratio Lower Upper

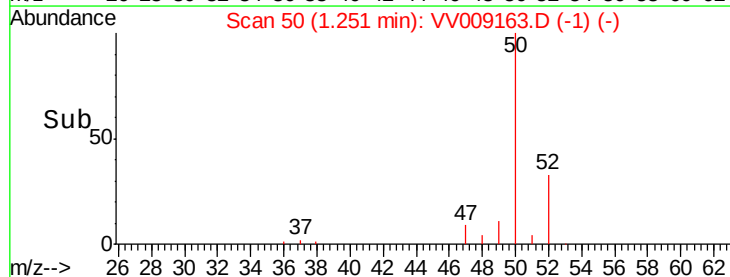
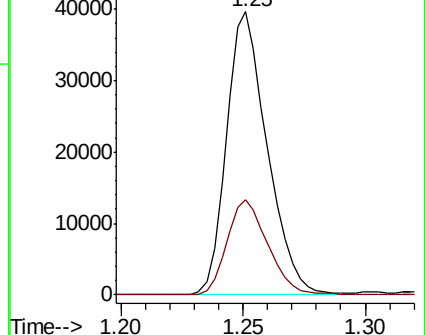
50 100

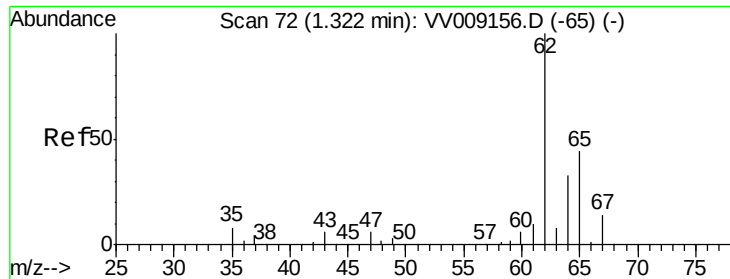
52 33.4 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV009156.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV009156.D (-43) (-)





#5

Vinyl chloride

Concen: 23.187 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV009163.D

Acq: 04 Jan 2019 15:43

Instrument :

MSVOA_V

ClientSampleId :

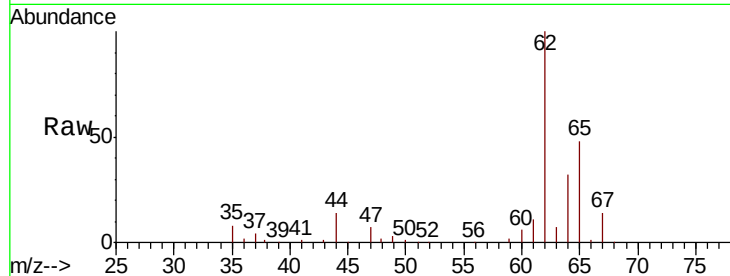
VSTD02573

Tgt Ion: 62 Resp: 51208

Ion Ratio Lower Upper

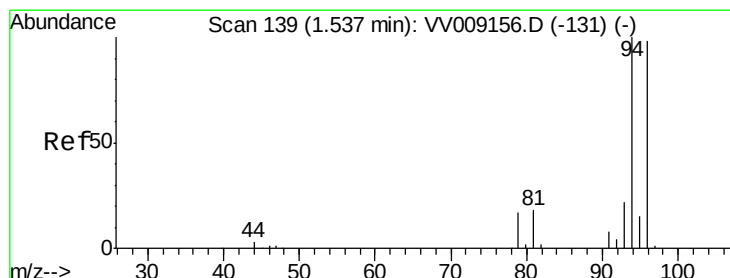
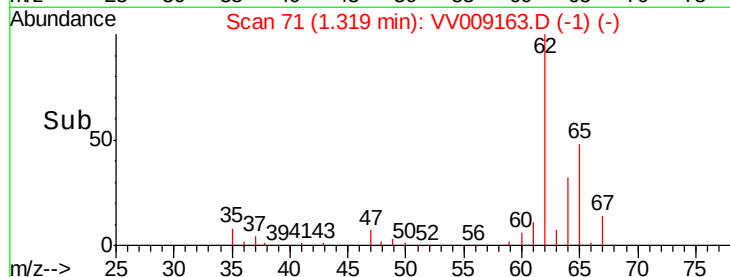
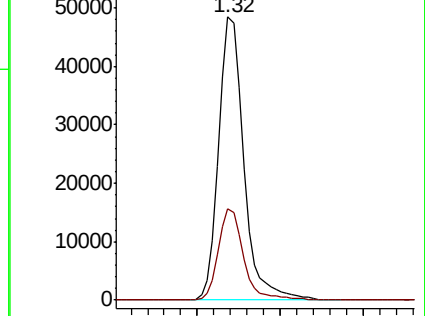
62 100

64 32.2 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 23.037 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV009163.D

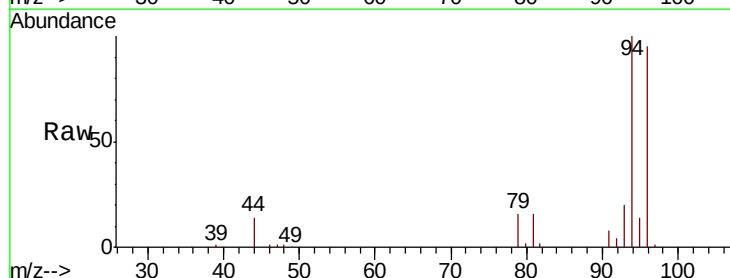
Acq: 04 Jan 2019 15:43

Tgt Ion: 94 Resp: 35837

Ion Ratio Lower Upper

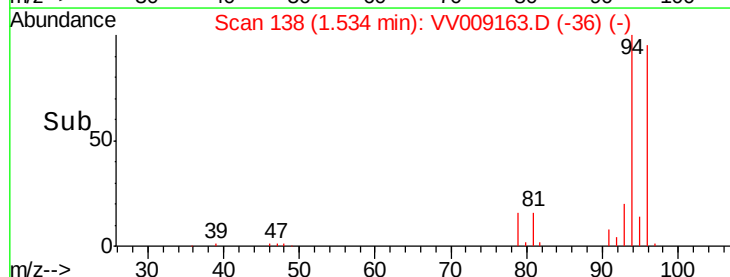
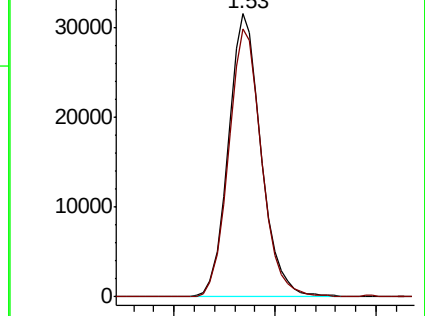
94 100

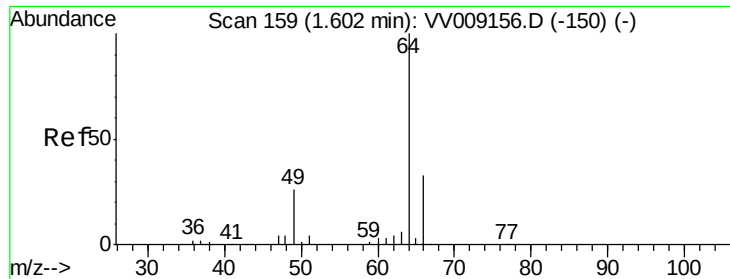
96 95.3 9.7 185.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 23.126 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV009163.D

Acq: 04 Jan 2019 15:43

Instrument :

MSVOA_V

ClientSampleId :

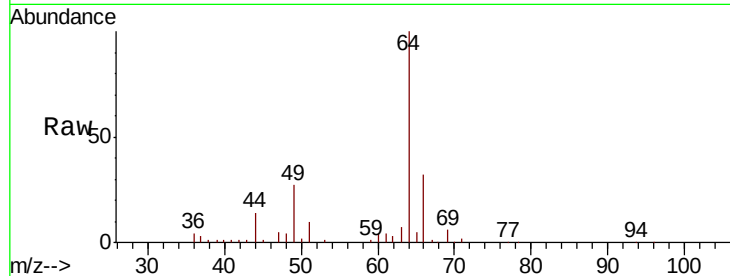
VSTD02573

Tgt Ion: 64 Resp: 31475

Ion Ratio Lower Upper

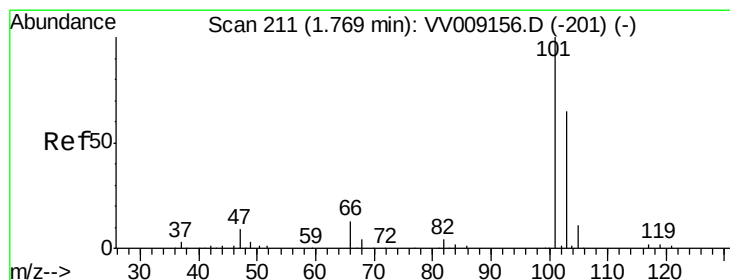
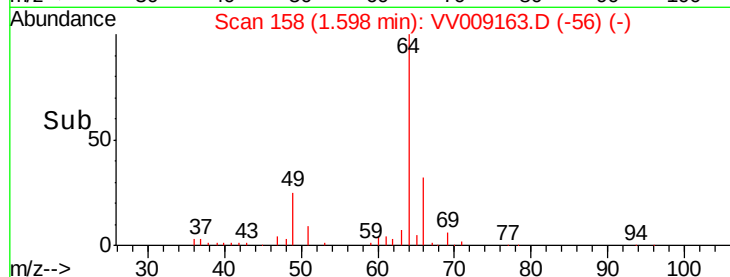
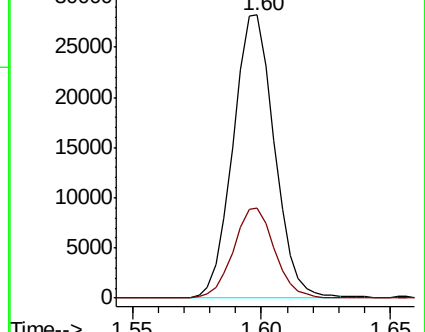
64 100

66 32.0 23.2 43.0



Abundance Ion 64.00 (63.70 to 64.70): VV009156.D (-150) (-)

Ion 66.00 (65.70 to 66.70): VV009156.D (-150) (-)



#9

Trichlorofluoromethane

Concen: 23.557 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.01 min

Lab File: VV009163.D

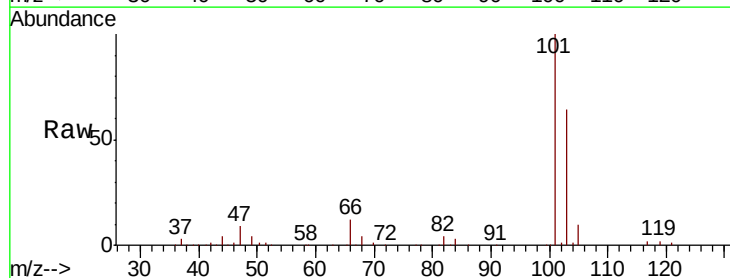
Acq: 04 Jan 2019 15:43

Tgt Ion: 101 Resp: 95379

Ion Ratio Lower Upper

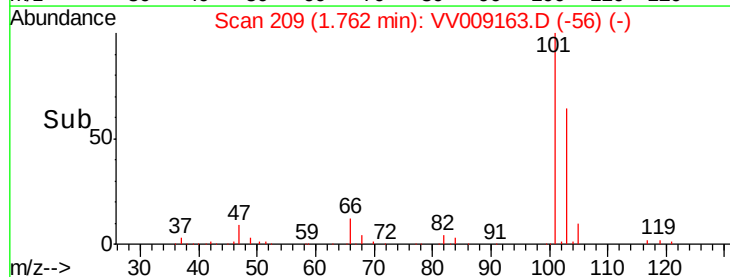
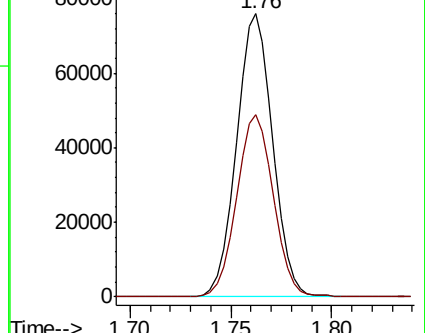
101 100

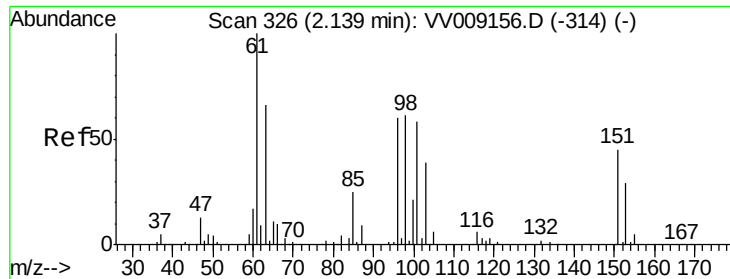
103 65.6 46.0 85.4



Abundance Ion 101.00 (100.70 to 101.70): VV009156.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV009156.D (-201) (-)





#11

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

Concen: 23.734 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV009163.D

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VSTD02573

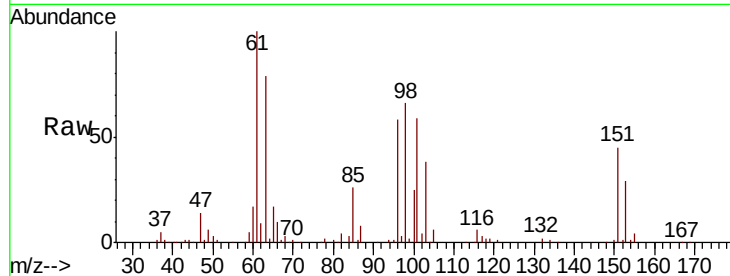
Tgt Ion:101 Resp: 63999

Ion Ratio Lower Upper

101 100

85 43.9 34.6 52.0

151 77.1 62.6 94.0



Abundance Ion 101.00 (100.70 to 101.70): VV009156.D (-314) (-)

Ion 85.00 (84.70 to 85.70): VV009156.D (-314) (-)

Ion 151.00 (150.70 to 151.70): VV009156.D (-314) (-)

Time-->

2.10 2.15 2.20

2.13

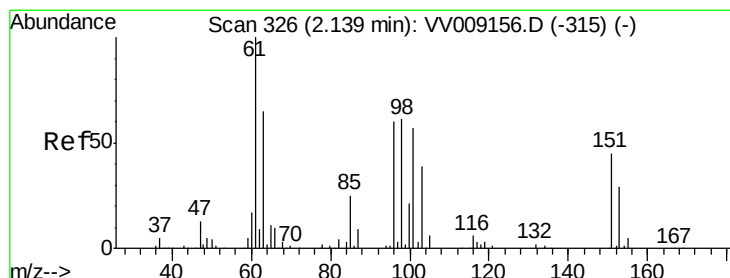
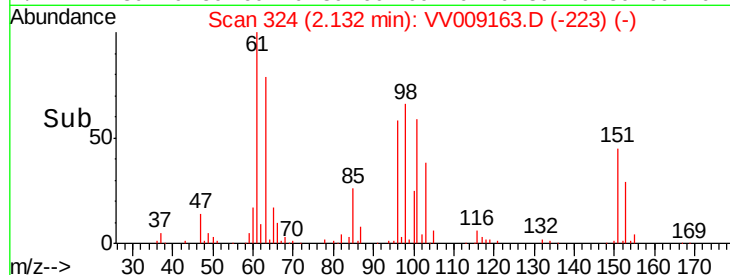
40000

30000

20000

10000

0



#12

1,1-Dichloroethene

Concen: 23.999 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009163.D

Acq: 04 Jan 2019 15:43

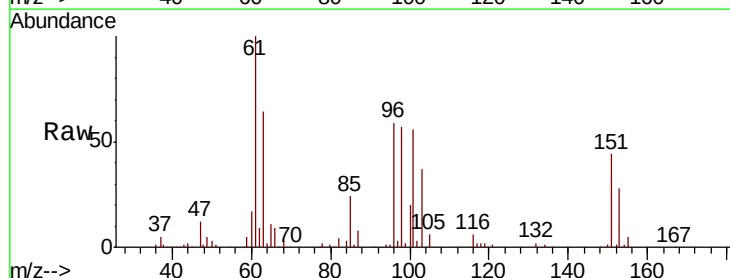
Tgt Ion: 96 Resp: 56123

Ion Ratio Lower Upper

96 100

61 169.3 117.0 217.4

63 108.0 78.2 145.2



Abundance Ion 96.00 (95.70 to 96.70): VV009156.D (-315) (-)

Ion 61.00 (60.70 to 61.70): VV009156.D (-315) (-)

Ion 63.00 (62.70 to 63.70): VV009156.D (-315) (-)

Time-->

2.10 2.15 2.20

2.14

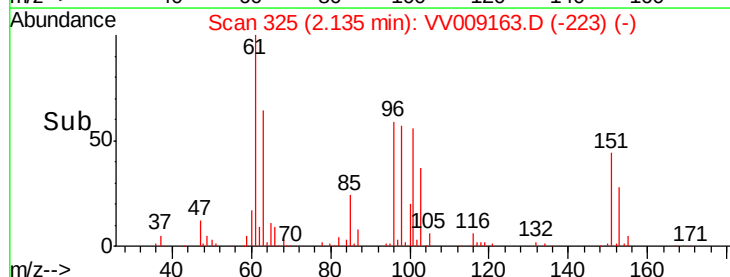
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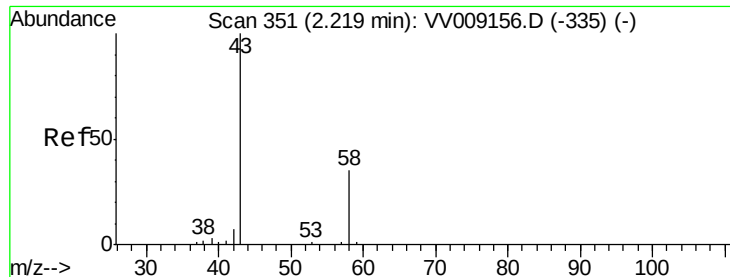
60000

40000

20000

0





#13

Acetone

Concen: 40.208 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.01 min

Lab File: VV009163.D

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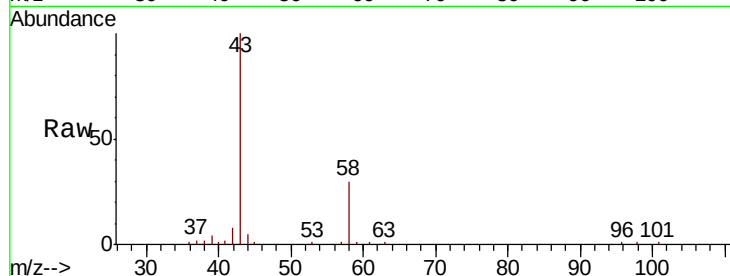
VSTD02573

Tgt Ion: 43 Resp: 51949

Ion Ratio Lower Upper

43 100

58 31.9 0.0 67.0



Abundance Ion 43.00 (42.70 to 43.70): VV009156.D (-335) (-)

Ion 58.00 (57.70 to 58.70): VV009156.D (-335) (-)

25000

20000

15000

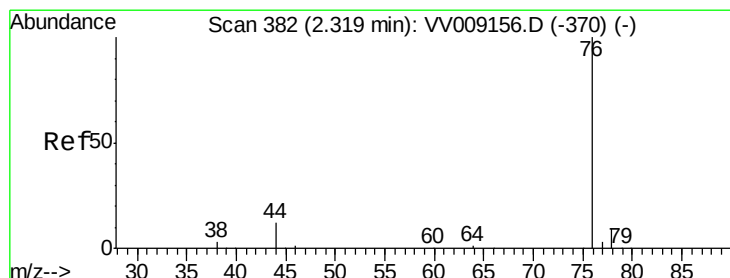
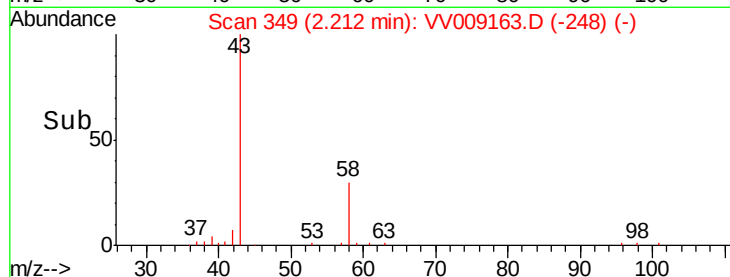
10000

5000

0

2.21

Time-->



#14

Carbon disulfide

Concen: 22.783 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.01 min

Lab File: VV009163.D

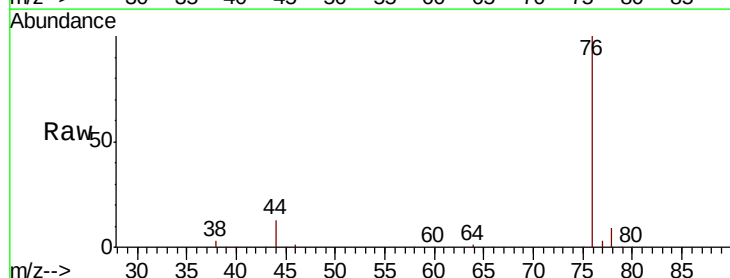
Acq: 04 Jan 2019 15:43

Tgt Ion: 76 Resp: 152240

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV009156.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV009156.D (-370) (-)

120000

100000

80000

60000

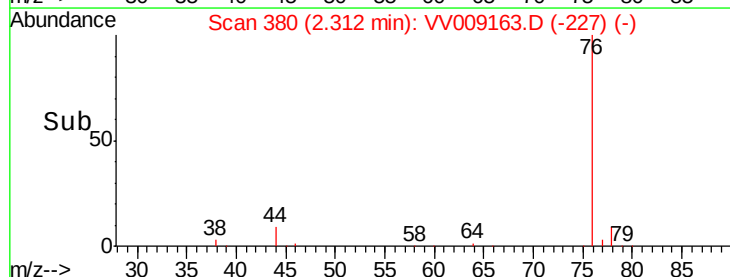
40000

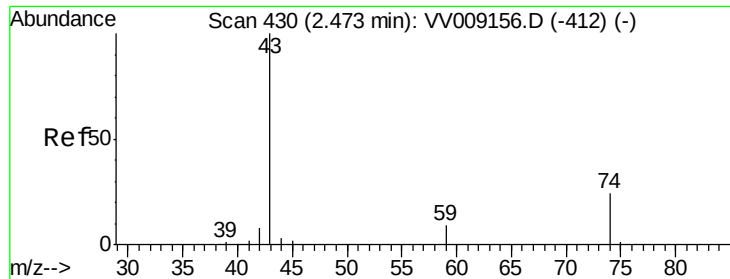
20000

0

2.31

Time-->

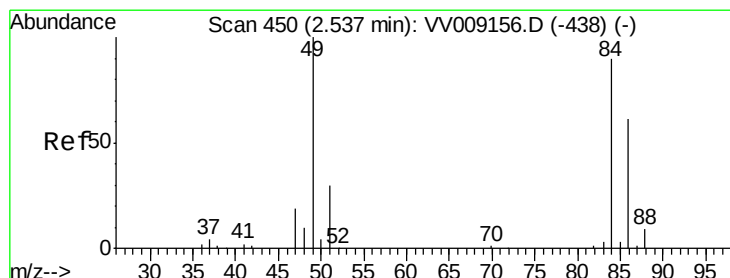
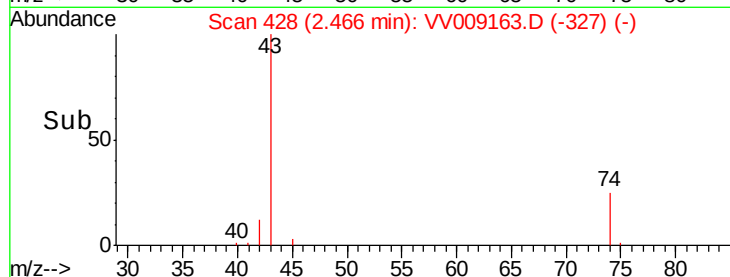
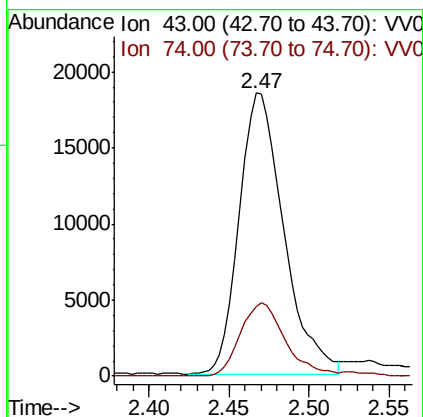
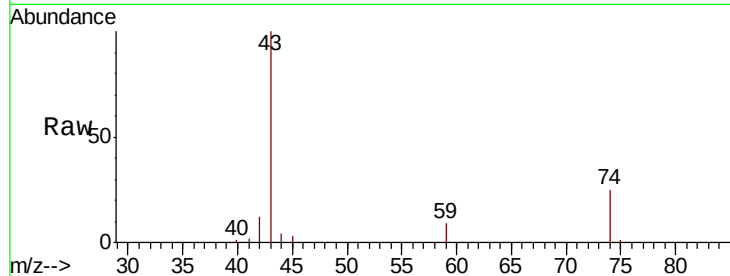




#15
Methyl Acetate
Concen: 22.004 ug/L
RT: 2.47 min Scan# 428
Delta R.T. -0.01 min
Lab File: VV009163.D
Acq: 04 Jan 2019 15:43

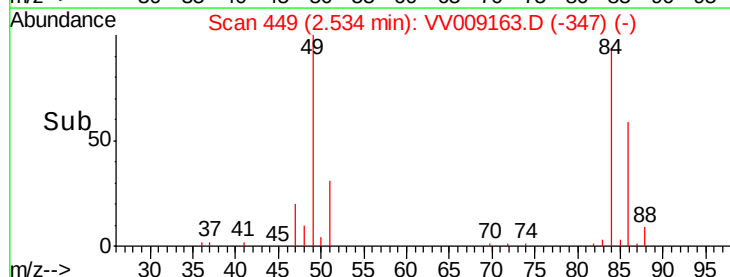
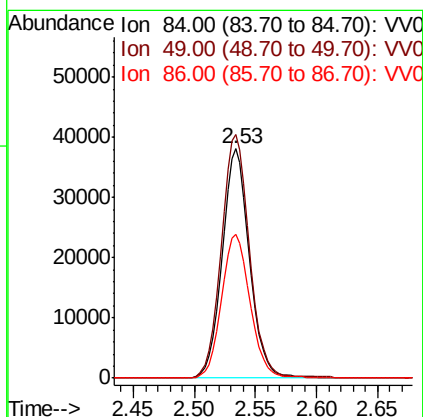
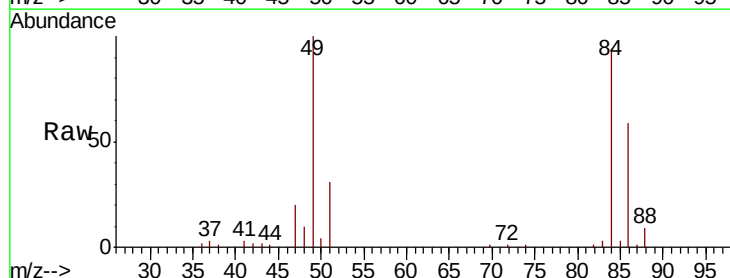
Instrument :
MSVOA_V
ClientSampleId :
VSTD02573

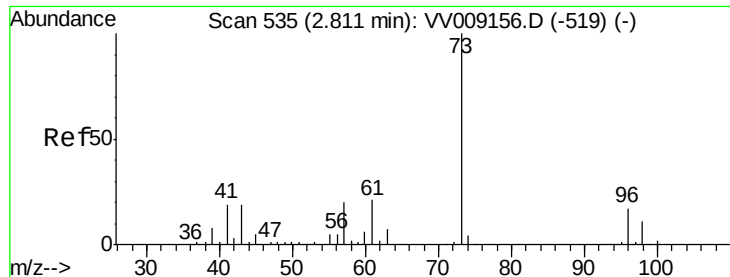
Tgt Ion: 43 Resp: 35177
Ion Ratio Lower Upper
43 100
74 26.3 19.4 29.0



#16
Methylene chloride
Concen: 21.201 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV009163.D
Acq: 04 Jan 2019 15:43

Tgt Ion: 84 Resp: 60006
Ion Ratio Lower Upper
84 100
49 106.1 77.6 144.2
86 62.8 47.4 88.0

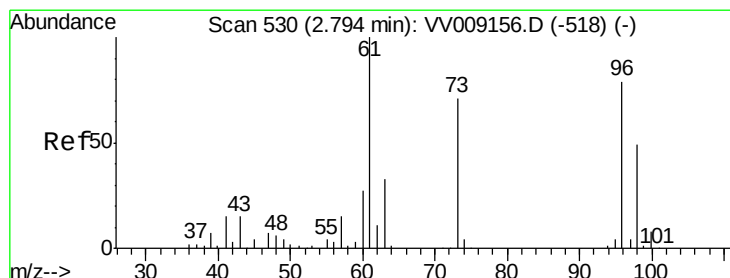
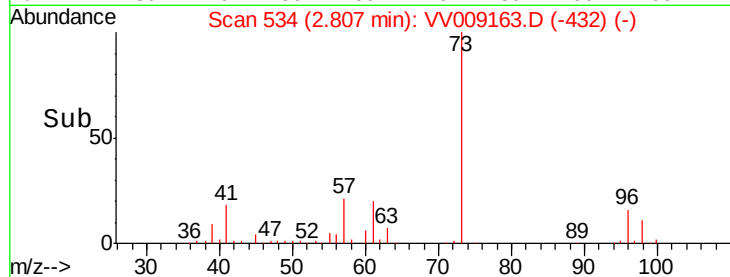
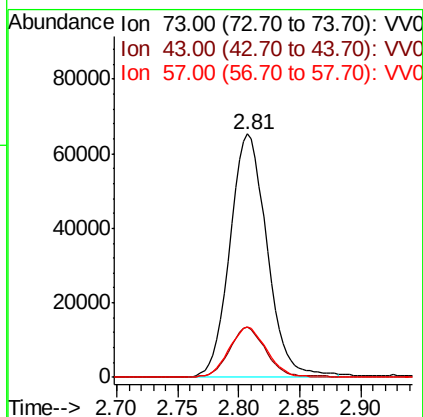
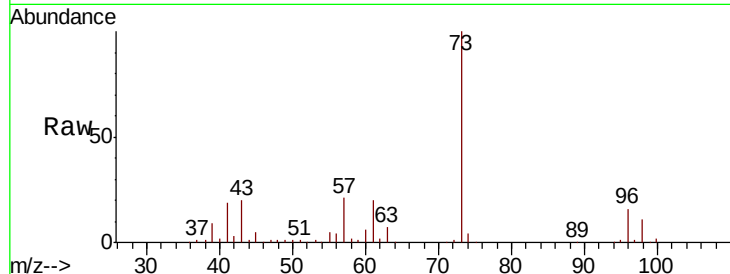




#17
Methyl tert-butyl Ether
Concen: 24.209 ug/L
RT: 2.81 min Scan# 534
Delta R.T. -0.00 min
Lab File: VV009163.D
Acq: 04 Jan 2019 15:43

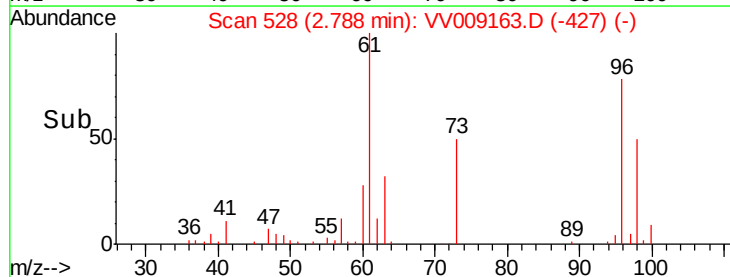
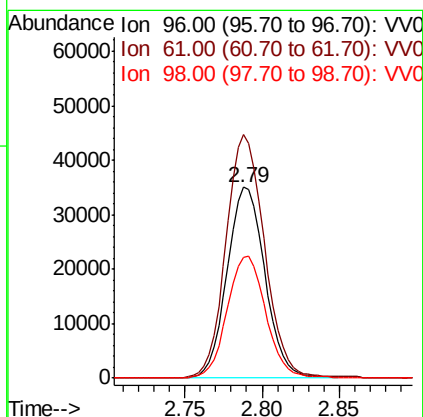
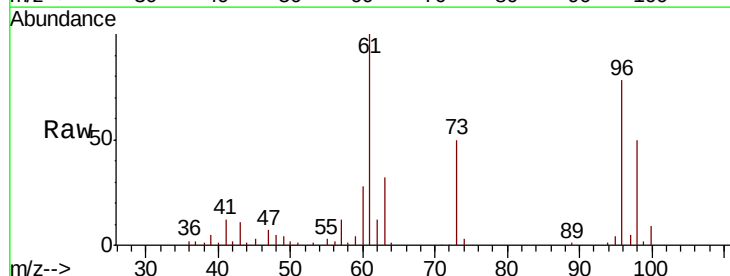
Instrument :
MSVOA_V
ClientSampleId :
VSTD02573

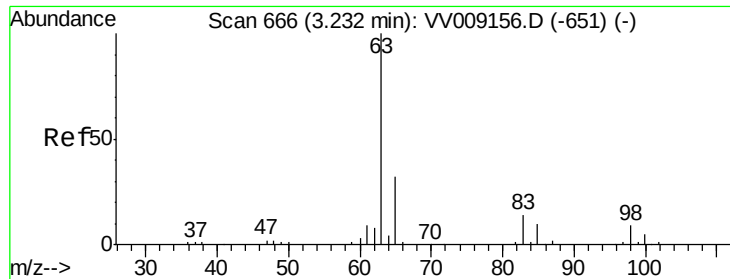
Tgt Ion: 73 Resp: 138670
Ion Ratio Lower Upper
73 100
43 19.5 15.4 23.2
57 21.0 16.2 24.2



#18
trans-1,2-Dichloroethene
Concen: 24.078 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.01 min
Lab File: VV009163.D
Acq: 04 Jan 2019 15:43

Tgt Ion: 96 Resp: 59674
Ion Ratio Lower Upper
96 100
61 127.4 88.8 164.8
98 63.5 43.5 80.9

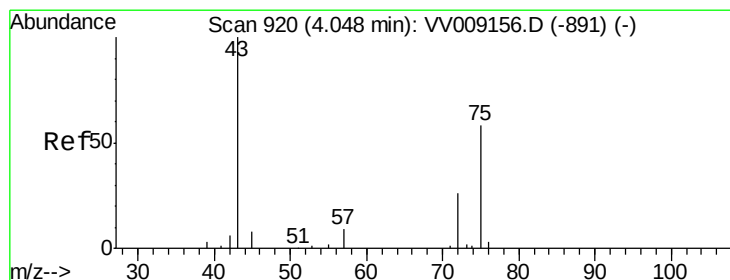
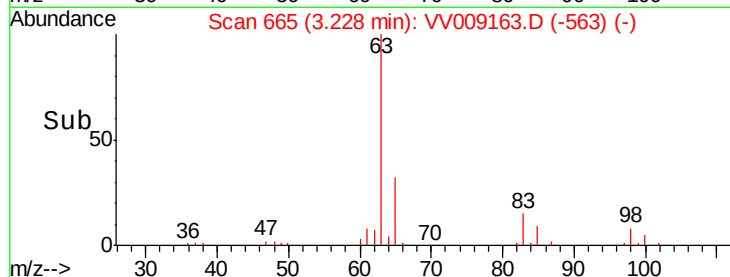
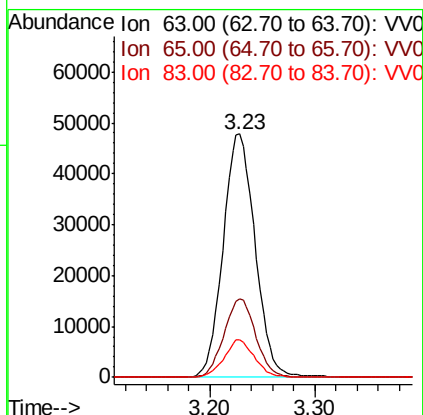
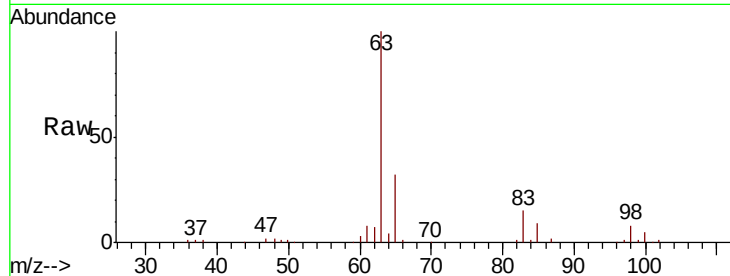




#19
 1,1-Dichloroethane
 Concen: 24.435 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV009163.D
 Acq: 04 Jan 2019 15:43

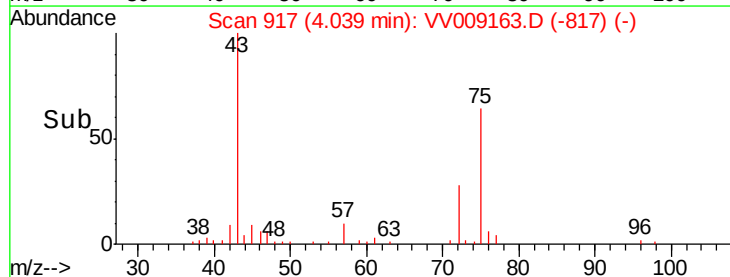
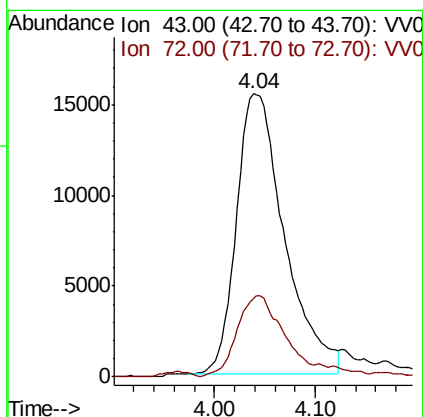
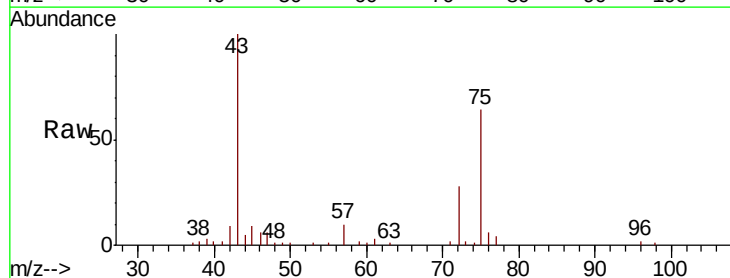
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02573

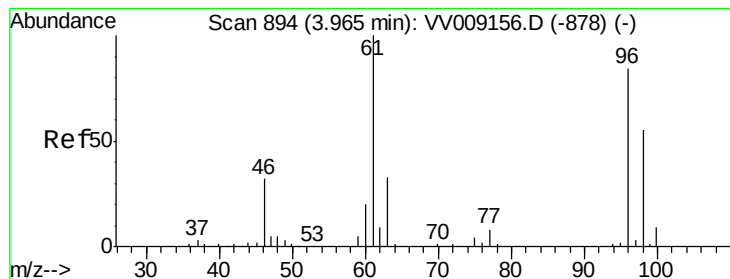
Tgt Ion: 63 Resp: 100562
 Ion Ratio Lower Upper
 63 100
 65 32.5 22.6 42.0
 83 15.2 9.9 18.3



#21
 2-Butanone
 Concen: 45.392 ug/L
 RT: 4.04 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: VV009163.D
 Acq: 04 Jan 2019 15:43

Tgt Ion: 43 Resp: 51296
 Ion Ratio Lower Upper
 43 100
 72 27.6 0.1 0.1#



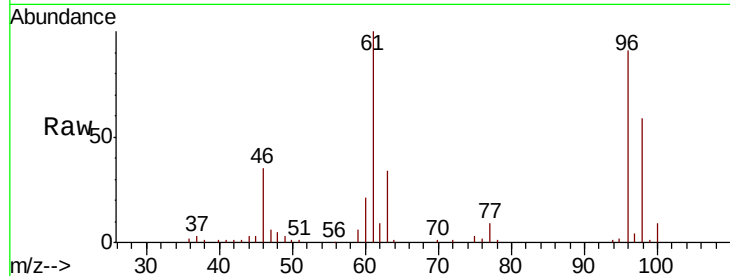


#22

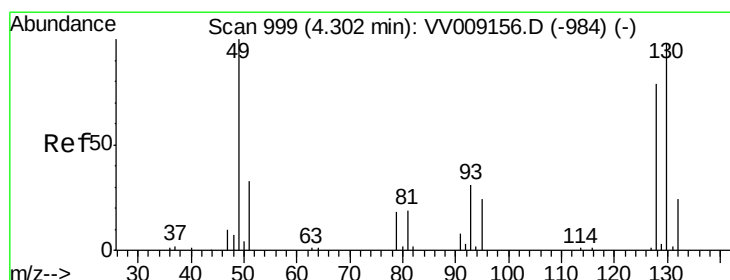
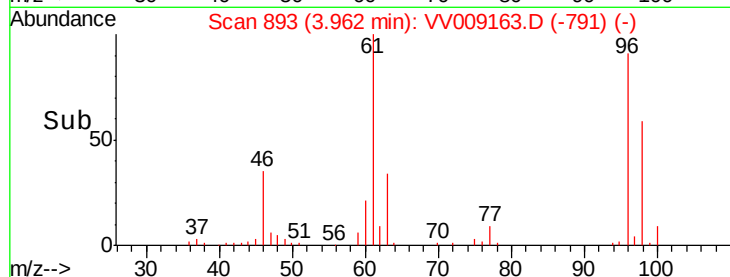
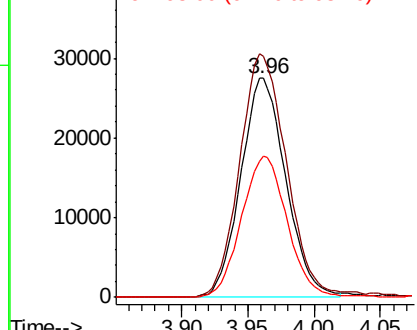
cis-1,2-Dichloroethene
Concen: 24.551 ug/L
RT: 3.96 min Scan# 893
Delta R.T. -0.00 min
Lab File: VV009163.D
Acq: 04 Jan 2019 15:43

Instrument :
MSVOA_V
ClientSampleId :
VSTD02573

Tgt Ion: 96 Resp: 65045
Ion Ratio Lower Upper
96 100
61 110.4 83.2 154.6
98 64.7 45.8 85.2



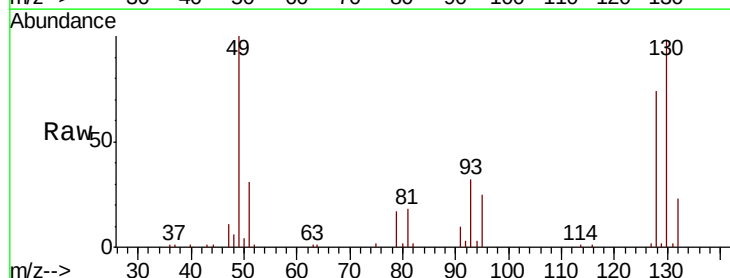
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



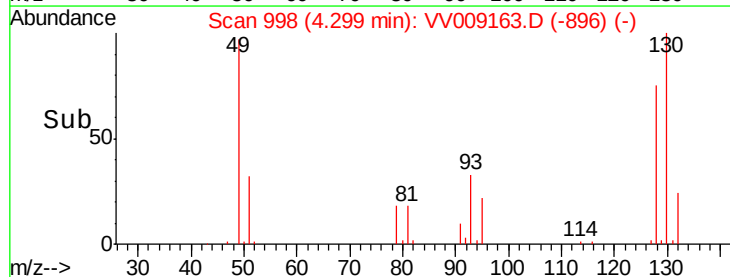
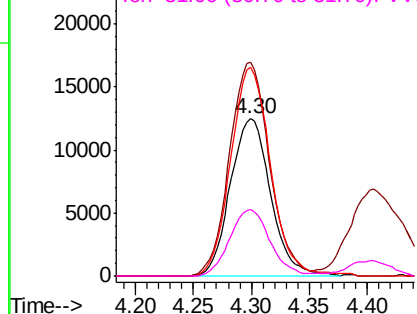
#23

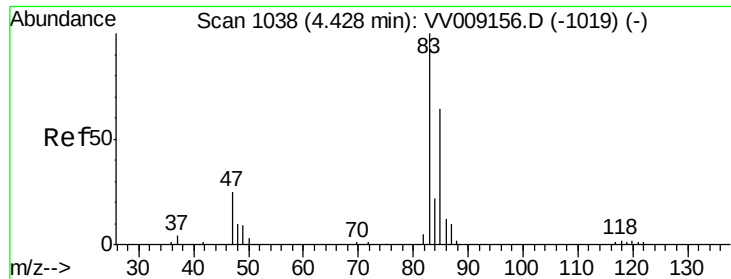
Bromochloromethane
Concen: 24.270 ug/L
RT: 4.30 min Scan# 998
Delta R.T. -0.00 min
Lab File: VV009163.D
Acq: 04 Jan 2019 15:43

Tgt Ion: 128 Resp: 30252
Ion Ratio Lower Upper
128 100
49 135.9 89.9 167.0
130 132.7 87.8 163.2
51 42.0 33.8 50.6



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

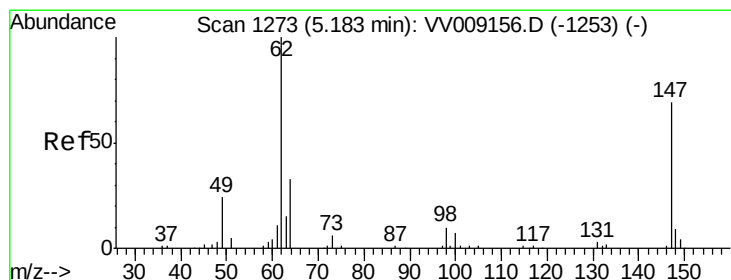
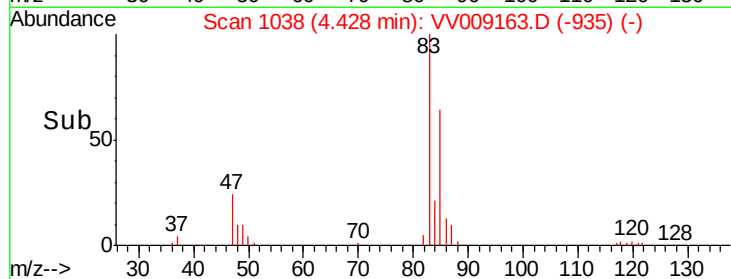
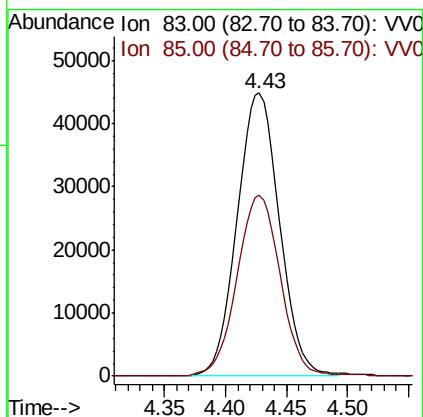
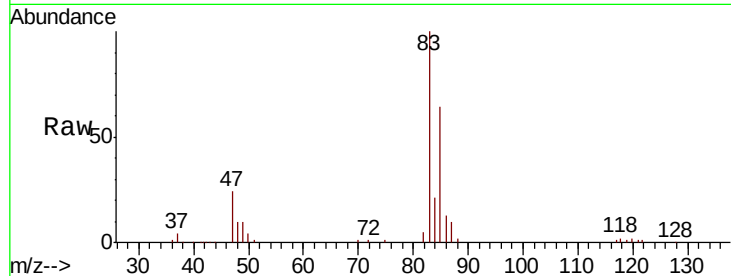




#25
Chloroform
Concen: 24.587 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV009163.D
Acq: 04 Jan 2019 15:43

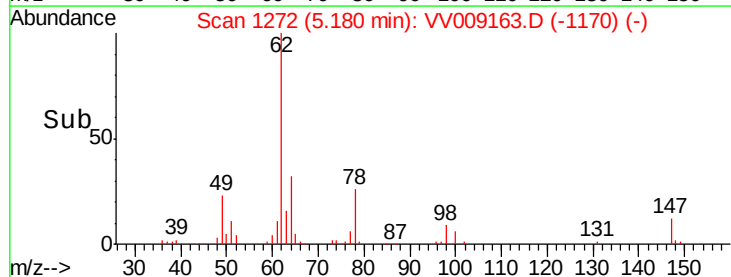
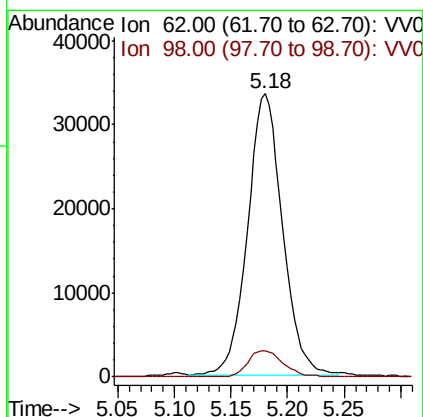
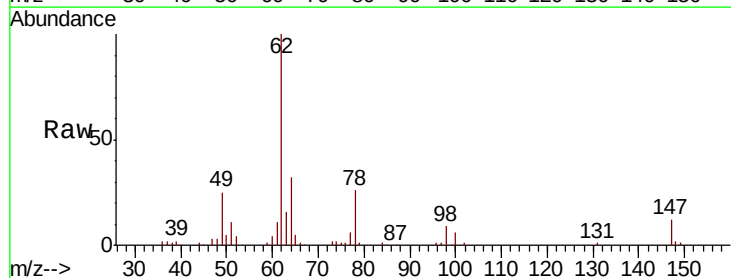
Instrument :
MSVOA_V
ClientSampleId :
VSTD02573

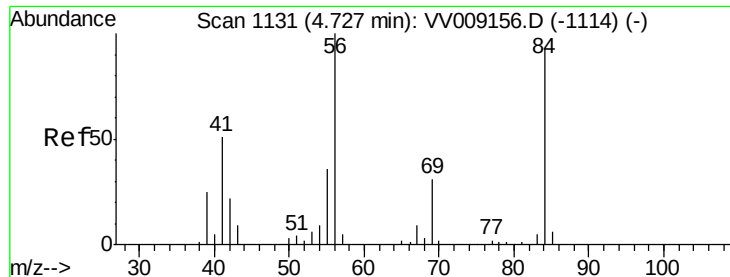
Tgt Ion: 83 Resp: 107753
Ion Ratio Lower Upper
83 100
85 65.1 45.3 84.1



#27
1,2-Dichloroethane
Concen: 24.336 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV009163.D
Acq: 04 Jan 2019 15:43

Tgt Ion: 62 Resp: 71640
Ion Ratio Lower Upper
62 100
98 9.1 8.1 12.1

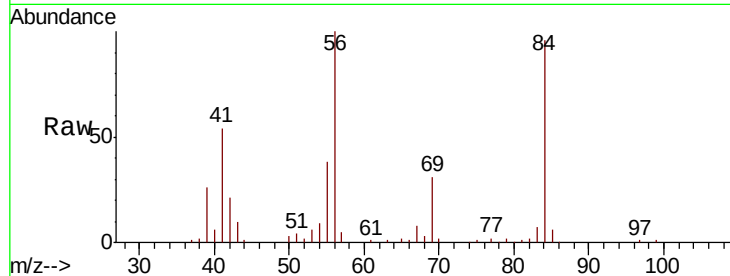




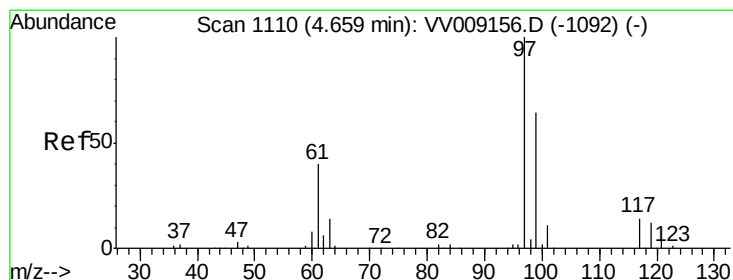
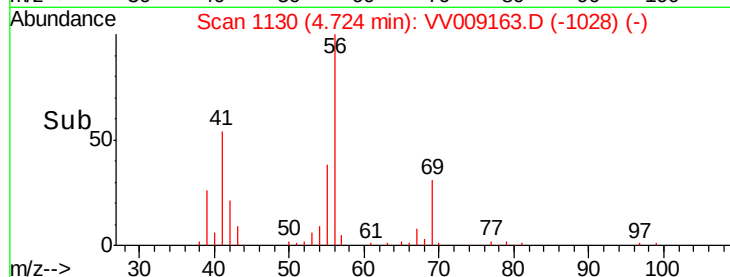
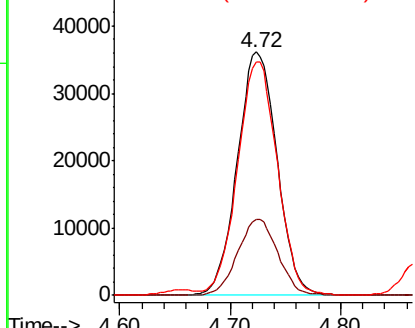
#30
Cyclohexane
Concen: 23.795 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VV009163.D
Acq: 04 Jan 2019 15:43

Instrument :
MSVOA_V
ClientSampleId :
VSTD02573

Tgt Ion: 56 Resp: 90257
Ion Ratio Lower Upper
56 100
69 31.5 26.0 39.0
84 95.6 77.0 115.4

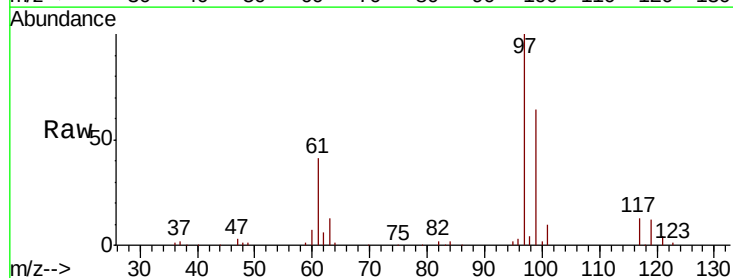


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

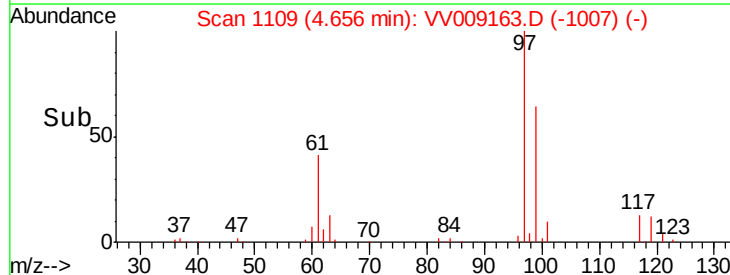
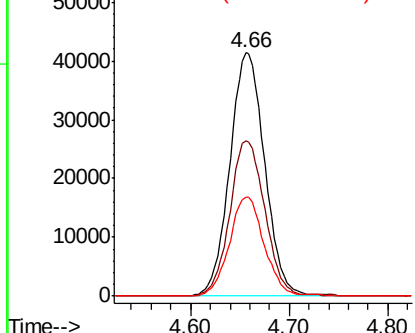


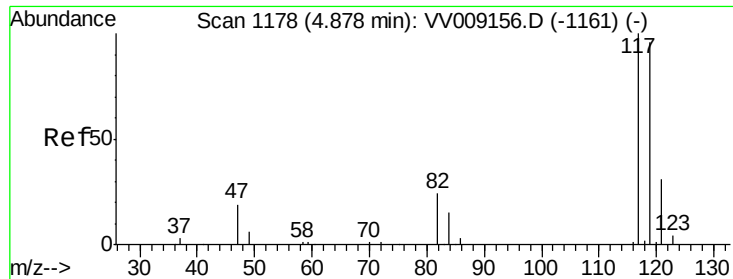
#31
1,1,1-Trichloroethane
Concen: 24.515 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. -0.00 min
Lab File: VV009163.D
Acq: 04 Jan 2019 15:43

Tgt Ion: 97 Resp: 101980
Ion Ratio Lower Upper
97 100
99 64.0 51.2 76.8
61 40.5 31.8 47.6



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: 24.326 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV009163.D

Acq: 04 Jan 2019 15:43

Instrument :

MSVOA_V

ClientSampleId :

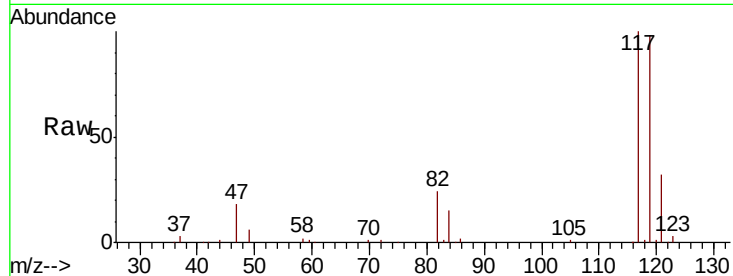
VSTD02573

Tgt Ion:117 Resp: 92624

Ion Ratio Lower Upper

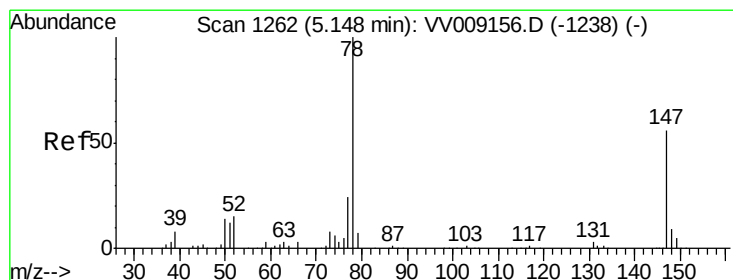
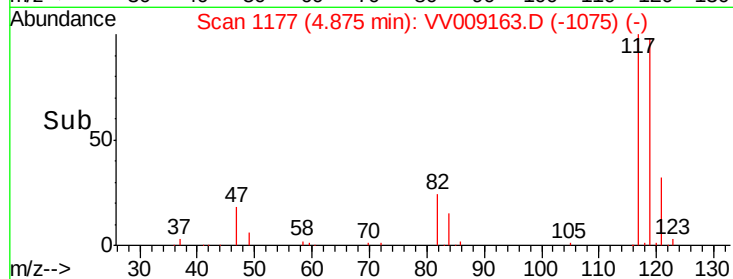
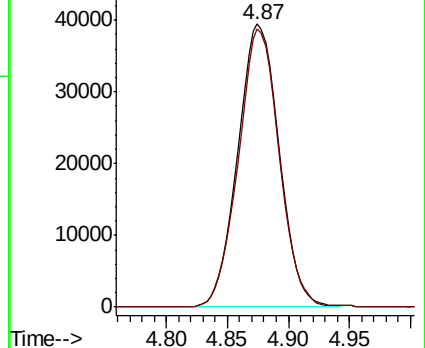
117 100

119 96.7 76.6 115.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.242 ug/L

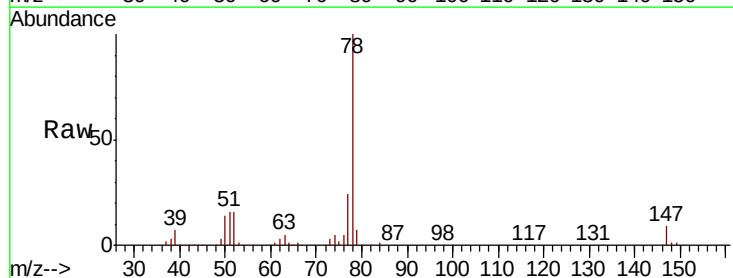
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

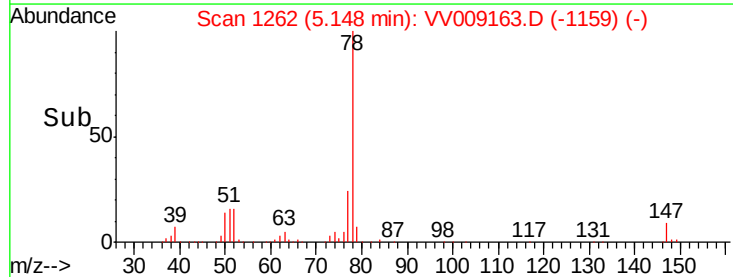
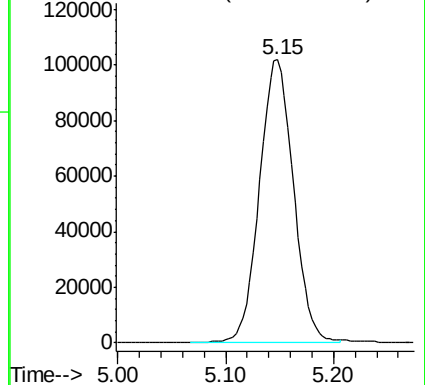
Lab File: VV009163.D

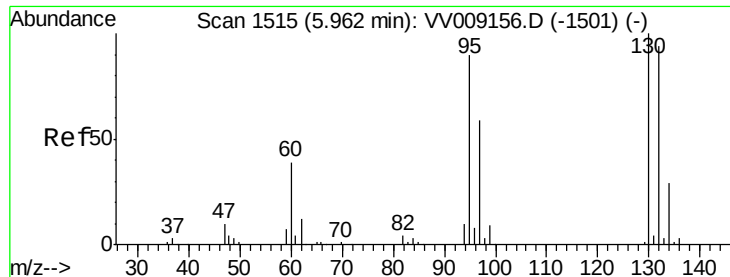
Acq: 04 Jan 2019 15:43

Tgt Ion: 78 Resp: 222978



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 24.558 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV009163.D

Acq: 04 Jan 2019 15:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD02573

Tgt Ion: 95 Resp: 65077

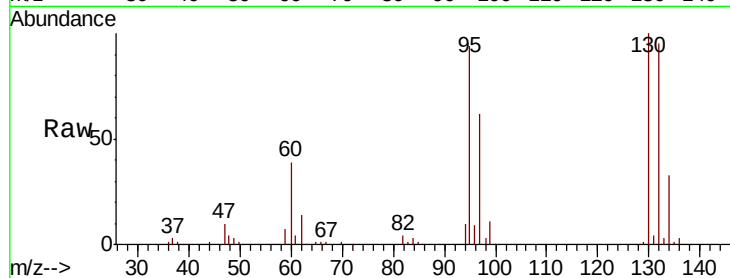
Ion Ratio Lower Upper

95 100

97 65.3 46.2 85.8

132 102.2 73.9 137.3

130 107.3 77.0 143.0

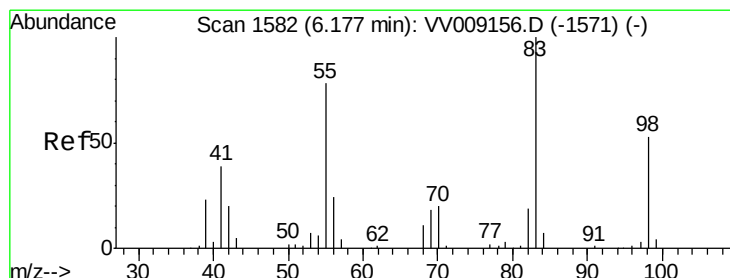
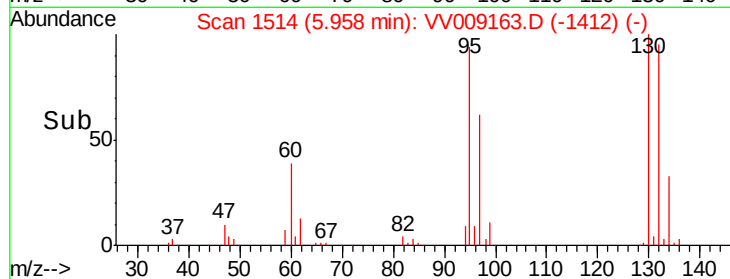
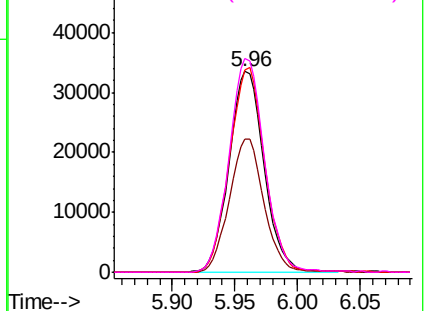


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#36

Methylcyclohexane

Concen: 23.943 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV009163.D

Acq: 04 Jan 2019 15:43

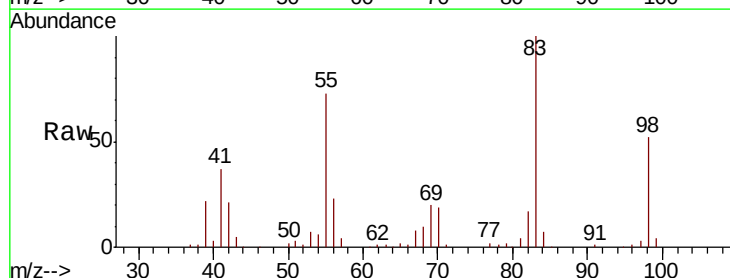
Tgt Ion: 83 Resp: 106012

Ion Ratio Lower Upper

83 100

55 72.2 58.5 87.7

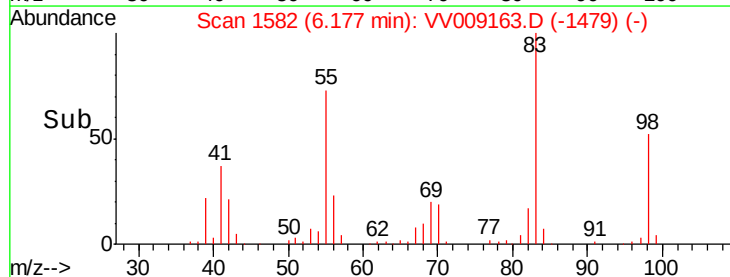
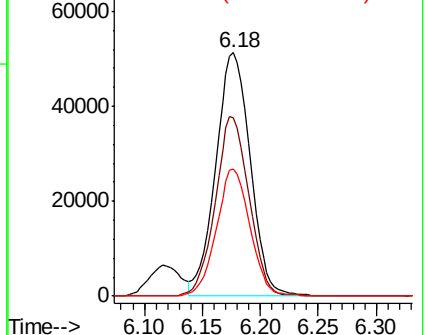
98 51.0 41.4 62.0

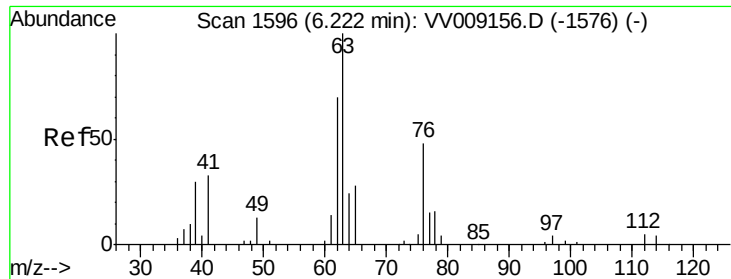


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

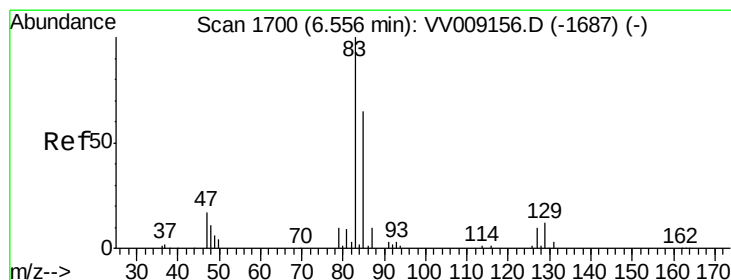
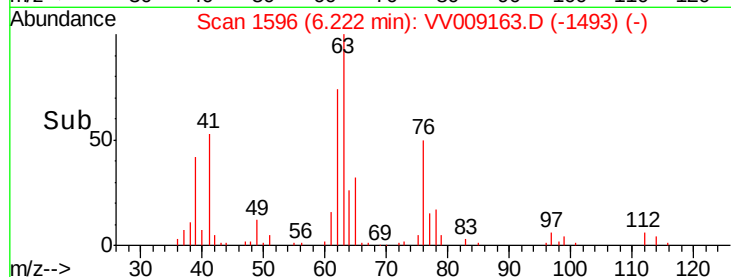
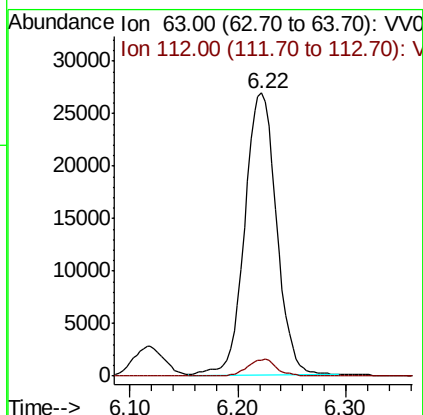
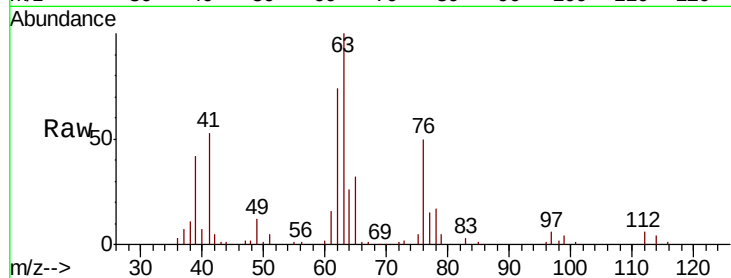




#40
 1,2-Dichloropropane
 Concen: 24.860 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: VV009163.D
 Acq: 04 Jan 2019 15:43

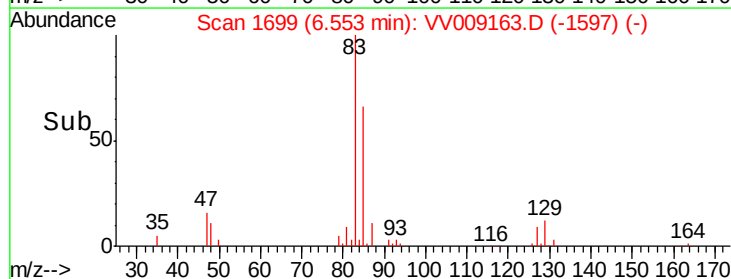
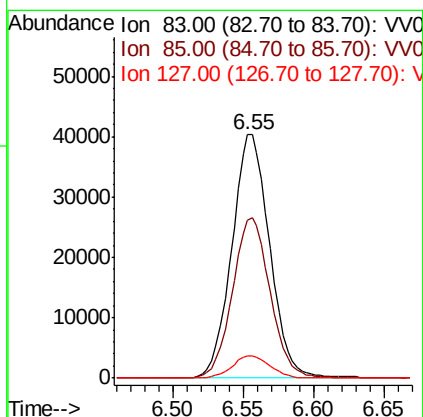
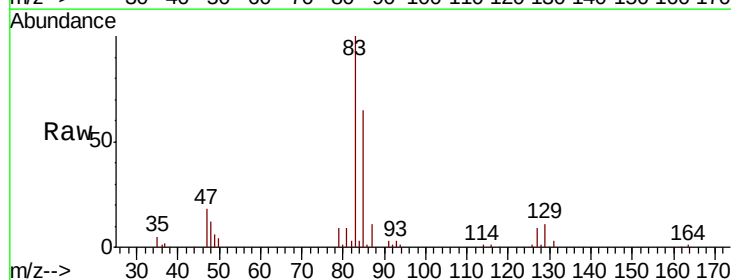
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02573

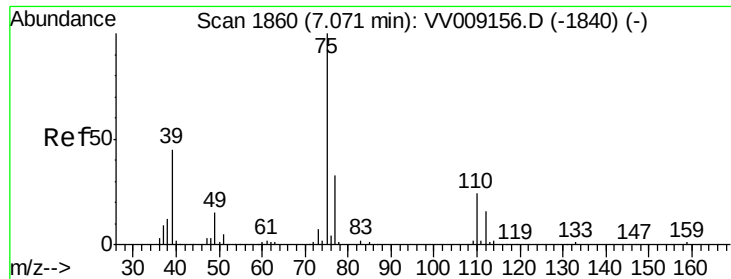
Tgt Ion: 63 Resp: 55114
 Ion Ratio Lower Upper
 63 100
 112 5.4 3.9 5.9



#41
 Bromodichloromethane
 Concen: 24.883 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV009163.D
 Acq: 04 Jan 2019 15:43

Tgt Ion: 83 Resp: 75616
 Ion Ratio Lower Upper
 83 100
 85 64.8 45.3 84.1
 127 9.3 7.8 11.6



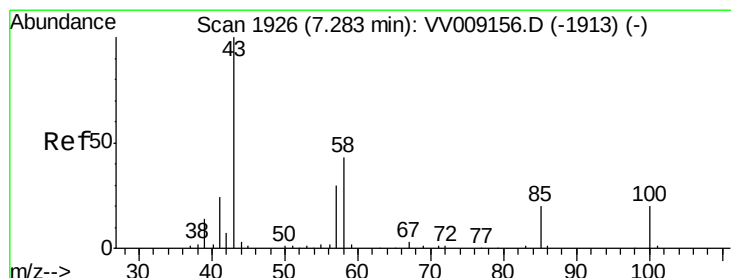
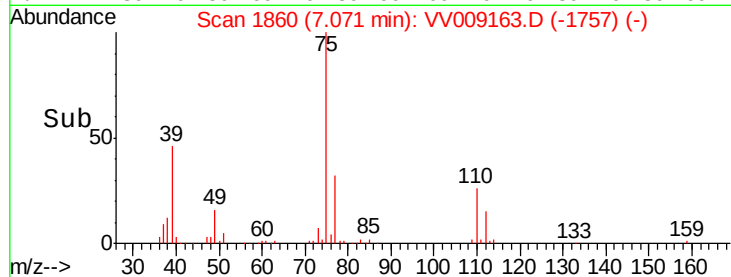
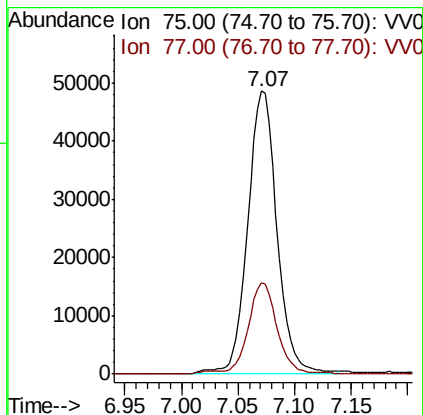
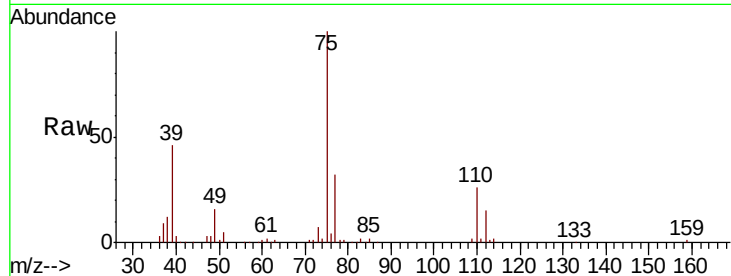


#42

cis-1,3-Dichloropropene
Concen: 25.062 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VV009163.D
Acq: 04 Jan 2019 15:43

Instrument :
MSVOA_V
ClientSampled :
VSTD02573

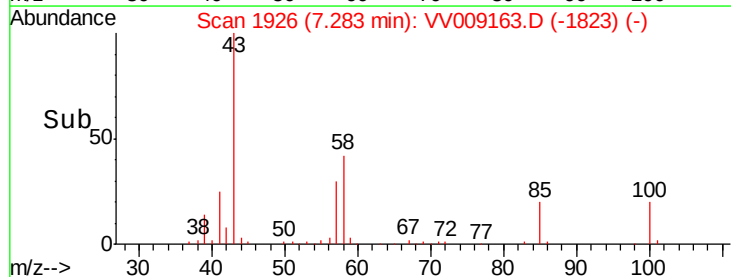
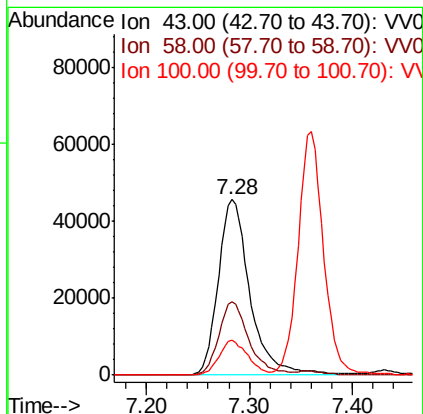
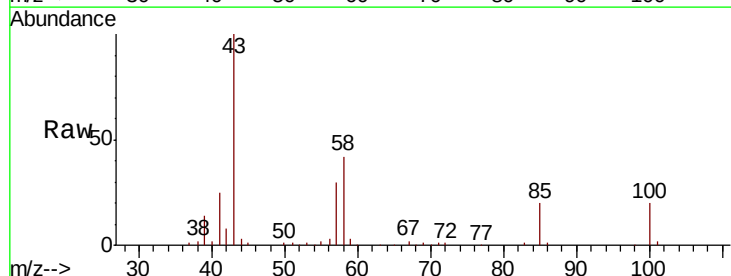
Tgt Ion: 75 Resp: 88047
Ion Ratio Lower Upper
75 100
77 32.2 22.8 42.4

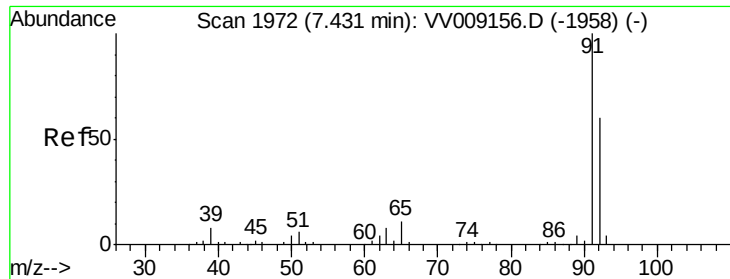


#43

4-Methyl-2-pentanone
Concen: 46.165 ug/L
RT: 7.28 min Scan# 1926
Delta R.T. -0.00 min
Lab File: VV009163.D
Acq: 04 Jan 2019 15:43

Tgt Ion: 43 Resp: 97556
Ion Ratio Lower Upper
43 100
58 39.8 33.4 50.2
100 18.1 15.2 22.8





#44

Toluene

Concen: 24.649 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV009163.D

Acq: 04 Jan 2019 15:43

Instrument :

MSVOA_V

ClientSampleId :

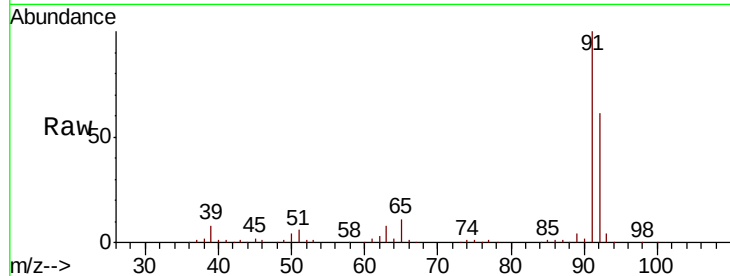
VSTD02573

Tgt Ion: 91 Resp: 244438

Ion Ratio Lower Upper

91 100

92 60.9 41.7 77.5



Abundance Ion 91.00 (90.70 to 91.70): VV009156.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV009156.D (-1958) (-)

7.43

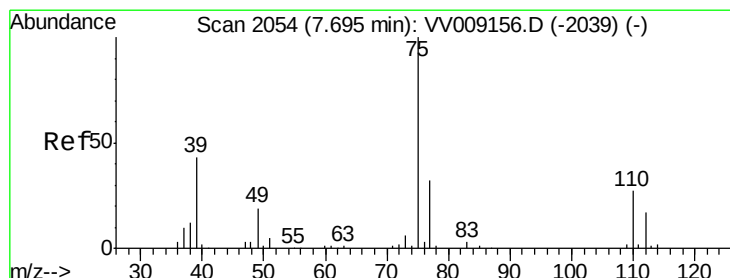
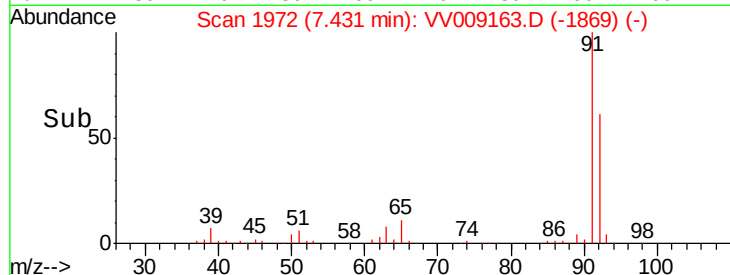
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 25.015 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV009163.D

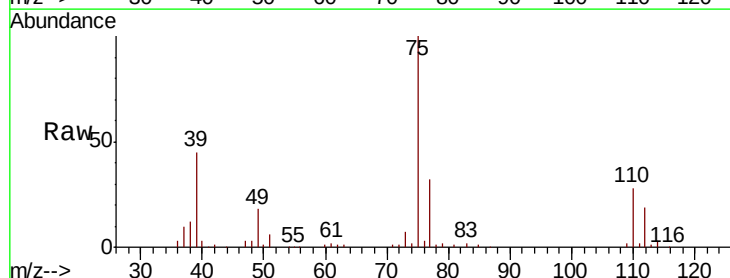
Acq: 04 Jan 2019 15:43

Tgt Ion: 75 Resp: 76940

Ion Ratio Lower Upper

75 100

77 32.3 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV009156.D (-2039) (-)

Ion 77.00 (76.70 to 77.70): VV009156.D (-2039) (-)

7.69

50000

40000

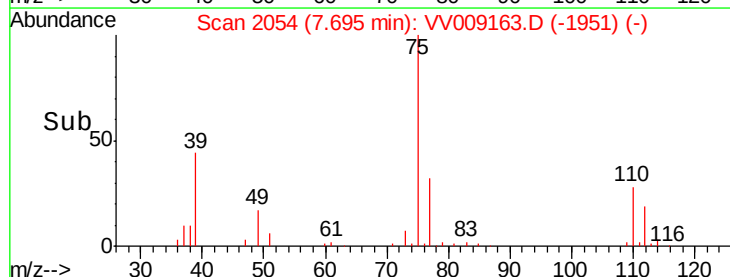
30000

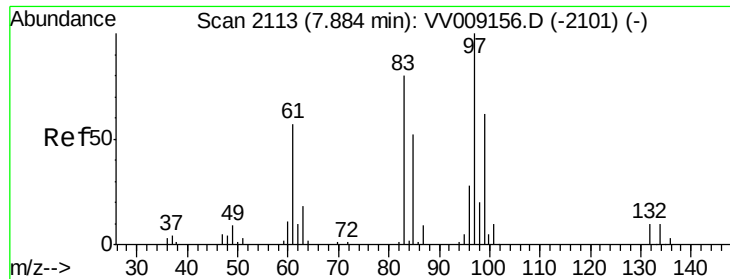
20000

10000

0

Time-->

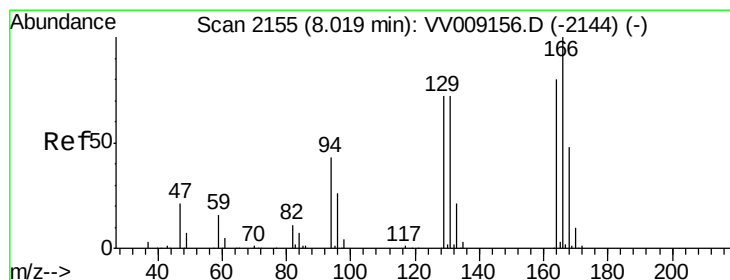
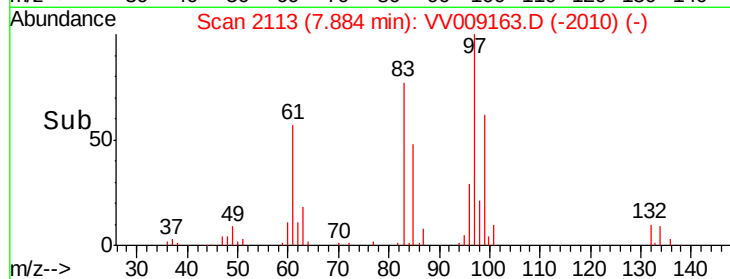
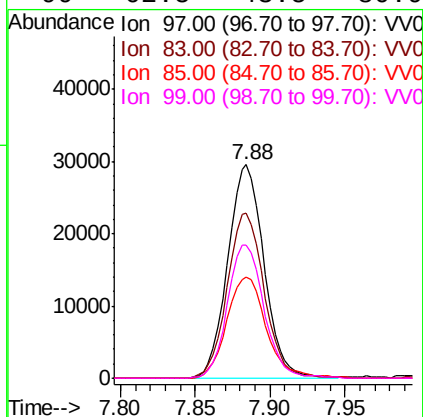
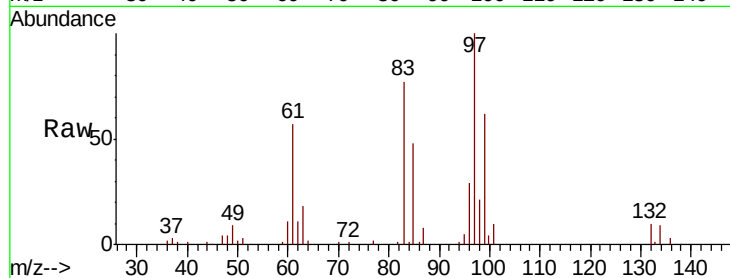




#46
 1,1,2-Trichloroethane
 Concen: 25.546 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VV009163.D
 Acq: 04 Jan 2019 15:43

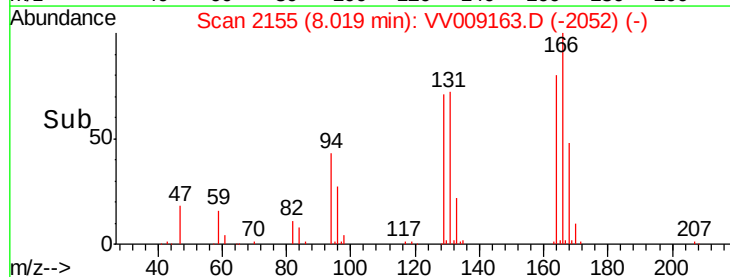
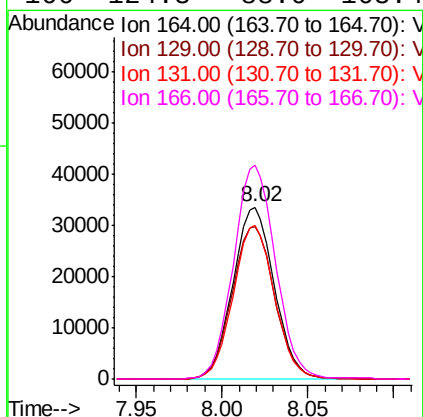
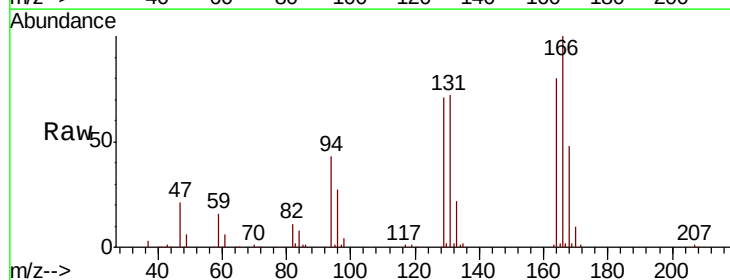
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02573

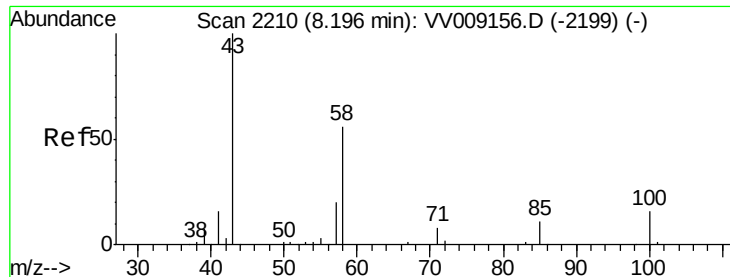
Tgt Ion:	97	Resp:	50056
Ion	Ratio	Lower	Upper
97	100		
83	77.2	56.0	104.0
85	47.6	36.5	67.9
99	62.5	43.5	80.9



#47
 Tetrachloroethene
 Concen: 24.370 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV009163.D
 Acq: 04 Jan 2019 15:43

Tgt Ion:	164	Resp:	55949
Ion	Ratio	Lower	Upper
164	100		
129	88.8	63.5	117.9
131	89.4	63.2	117.4
166	124.3	88.0	163.4

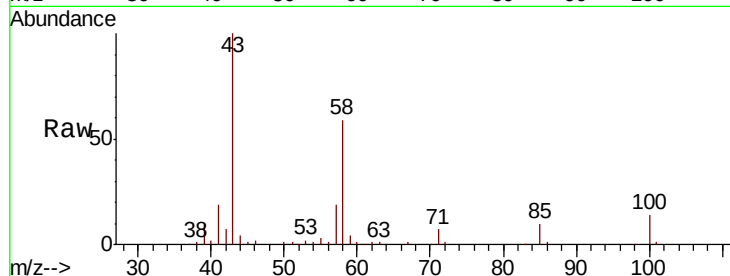




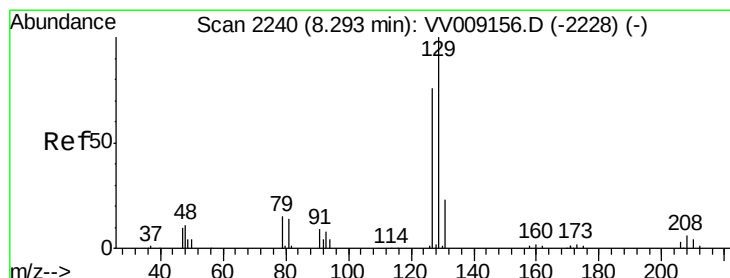
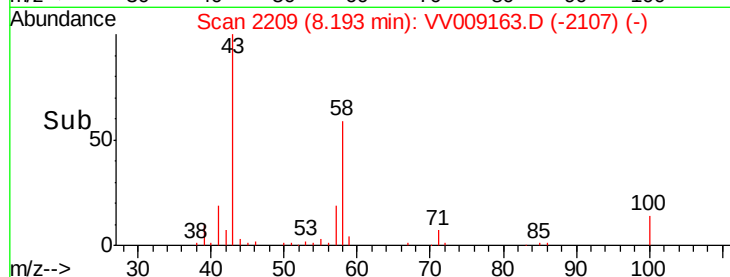
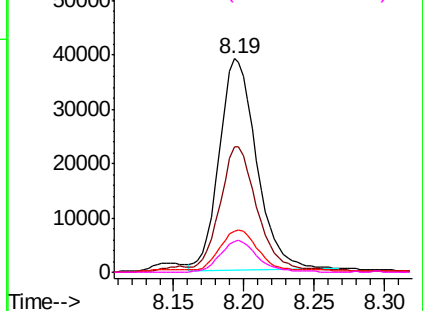
#49
2-Hexanone
Concen: 46.244 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VV009163.D
Acq: 04 Jan 2019 15:43

Instrument :
MSVOA_V
ClientSampleId :
VSTD02573

Tgt Ion: 43 Resp: 71920
Ion Ratio Lower Upper
43 100
58 56.7 46.7 70.1
57 19.2 15.5 23.3
100 15.0 12.8 19.2

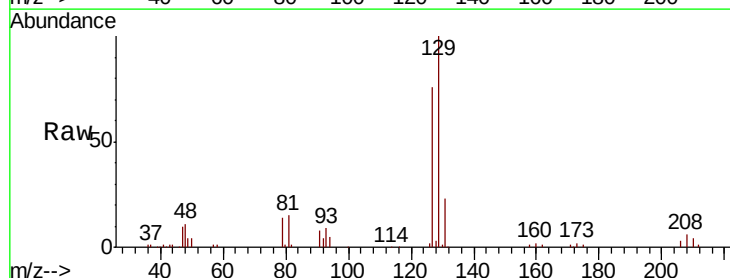


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

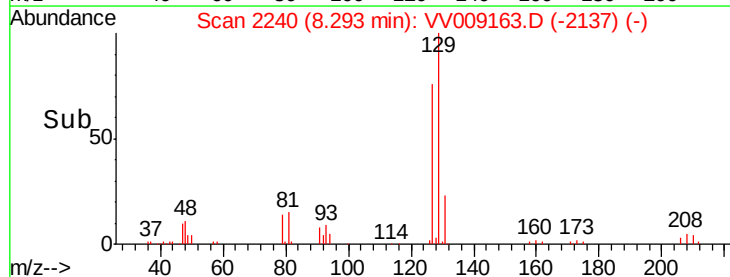
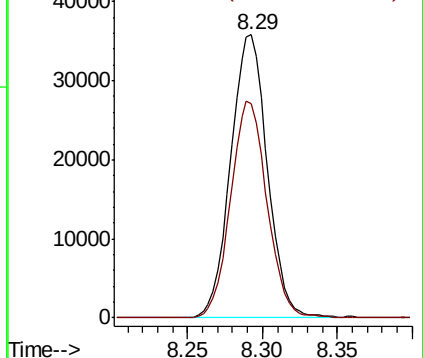


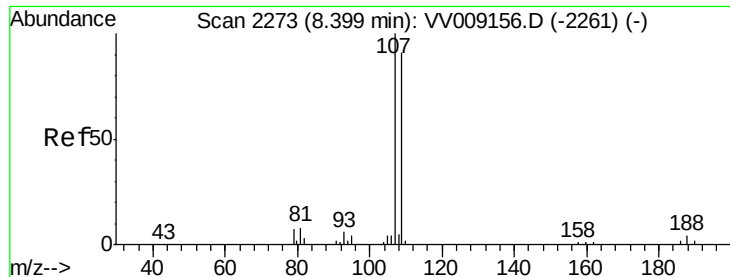
#50
Dibromochloromethane
Concen: 25.393 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV009163.D
Acq: 04 Jan 2019 15:43

Tgt Ion: 129 Resp: 61125
Ion Ratio Lower Upper
129 100
127 75.8 53.1 98.7



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

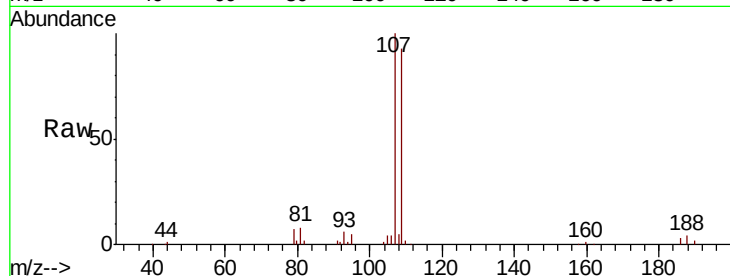




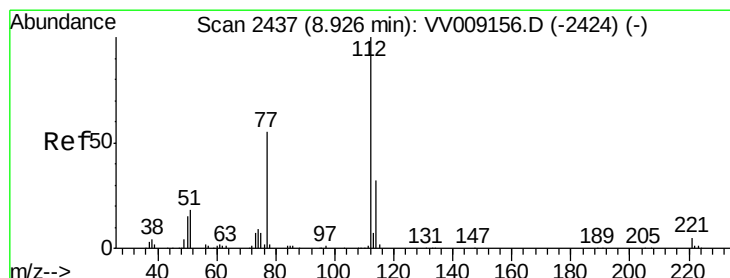
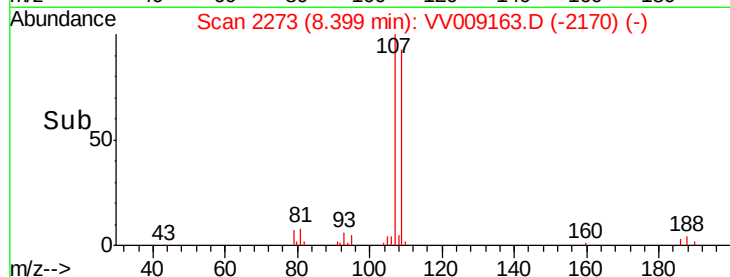
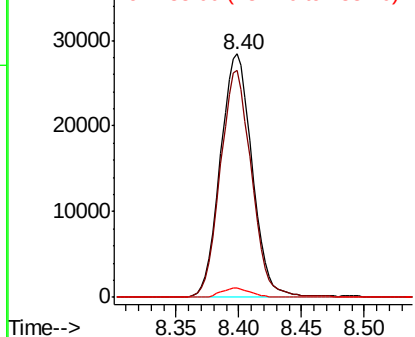
#51
1,2-Dibromoethane
Concen: 24.434 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV009163.D
Acq: 04 Jan 2019 15:43

Instrument :
MSVOA_V
ClientSampleId :
VSTD02573

Tgt Ion:107 Resp: 50064
Ion Ratio Lower Upper
107 100
109 93.1 63.6 118.0
188 3.7 3.3 4.9

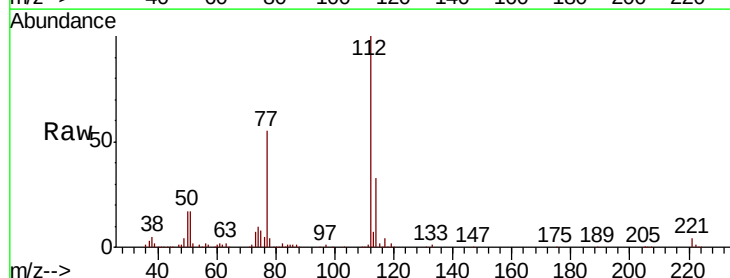


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

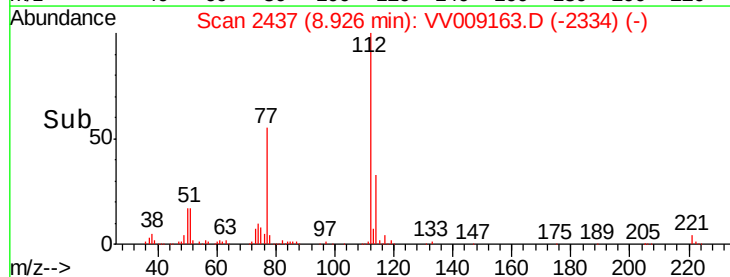
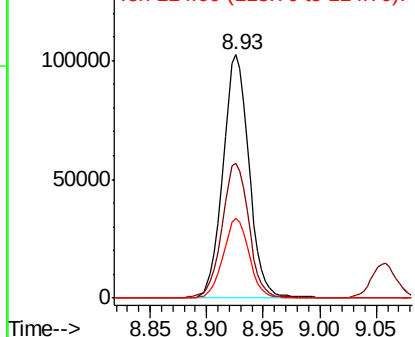


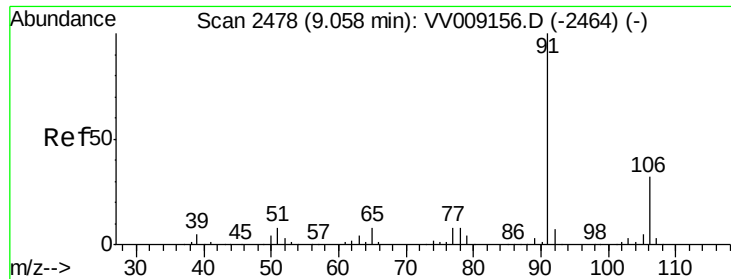
#52
Chlorobenzene
Concen: 24.279 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VV009163.D
Acq: 04 Jan 2019 15:43

Tgt Ion:112 Resp: 165199
Ion Ratio Lower Upper
112 100
77 55.4 44.6 66.8
114 32.6 22.5 41.9



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: 24.914 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV009163.D

Acq: 04 Jan 2019 15:43

Instrument :

MSVOA_V

ClientSampleId :

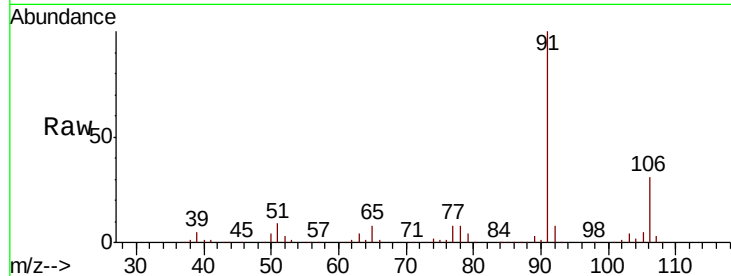
VSTD02573

Tgt Ion: 91 Resp: 279412

Ion Ratio Lower Upper

91 100

106 31.3 22.5 41.9



Abundance Ion 91.00 (90.70 to 91.70): VV009163.D (-2375) (-)

Ion 106.00 (105.70 to 106.70): VV009163.D (-2375) (-)

200000

150000

100000

50000

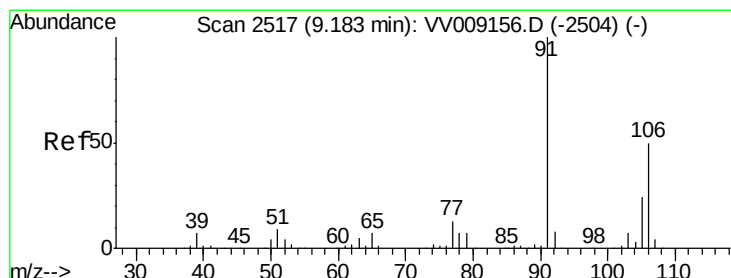
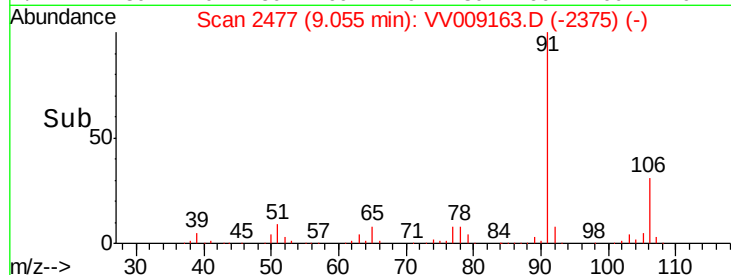
0

9.05

9.10

9.15

Time-->



#54

m,p-Xylene

Concen: 24.718 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV009163.D

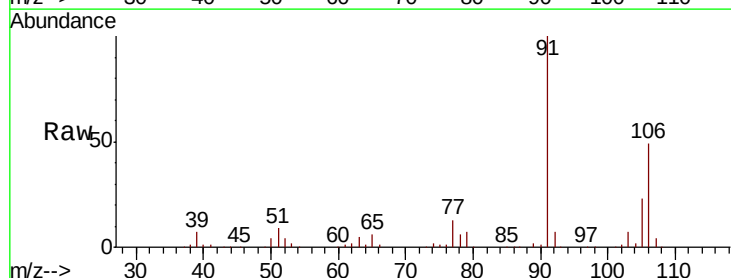
Acq: 04 Jan 2019 15:43

Tgt Ion: 106 Resp: 108006

Ion Ratio Lower Upper

106 100

91 204.4 138.9 257.9



Abundance Ion 106.00 (105.70 to 106.70): VV009163.D (-2414) (-)

Ion 91.00 (90.70 to 91.70): VV009163.D (-2414) (-)

150000

100000

50000

0

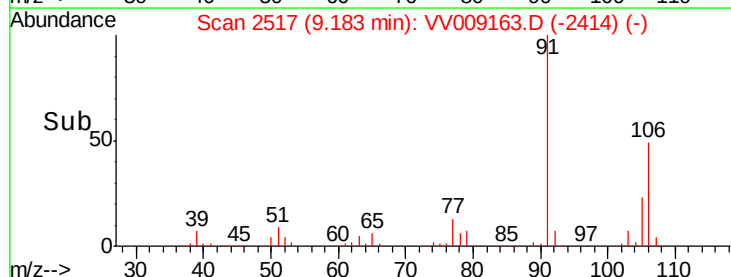
9.18

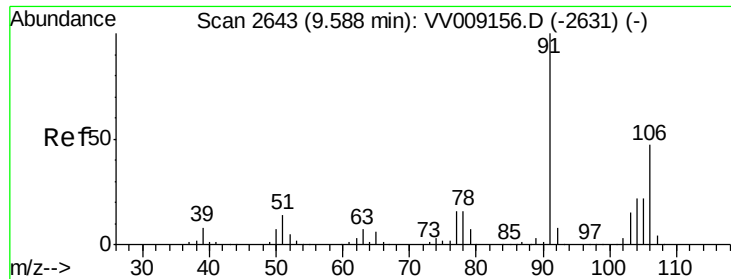
9.20

9.25

9.30

Time-->





#55

o-xylene

Concen: 25.562 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV009163.D

Acq: 04 Jan 2019 15:43

Instrument :

MSVOA_V

ClientSampleId :

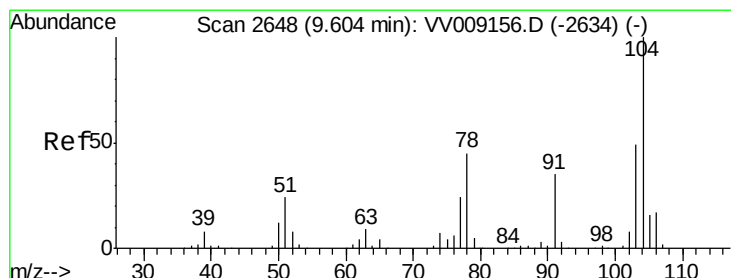
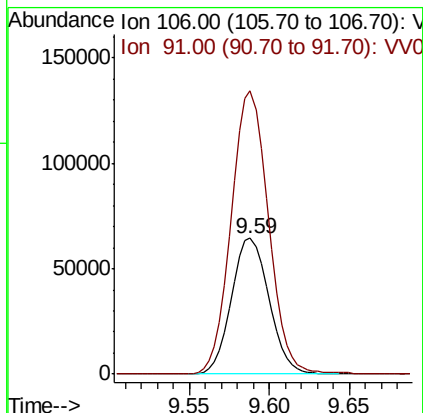
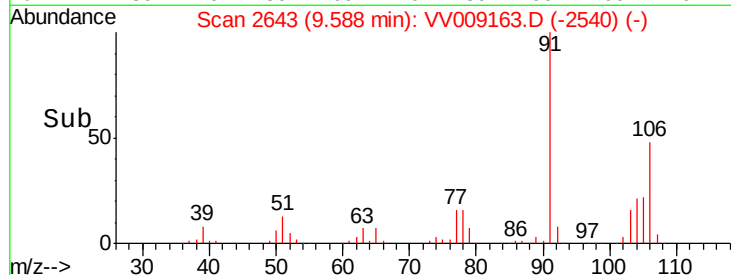
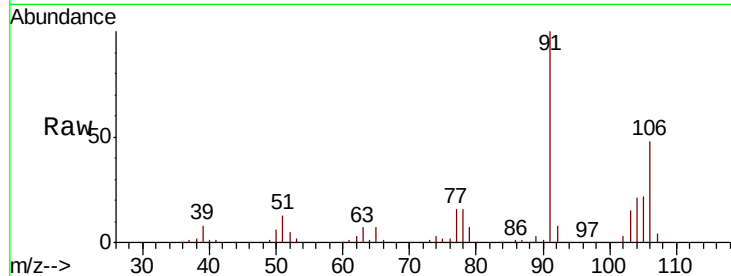
VSTD02573

Tgt Ion:106 Resp: 103277

Ion Ratio Lower Upper

106 100

91 208.2 148.7 276.1



#56

Styrene

Concen: 24.973 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV009163.D

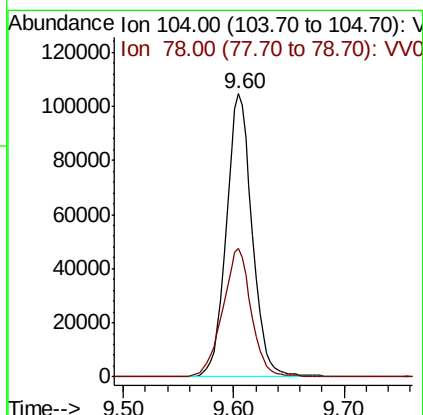
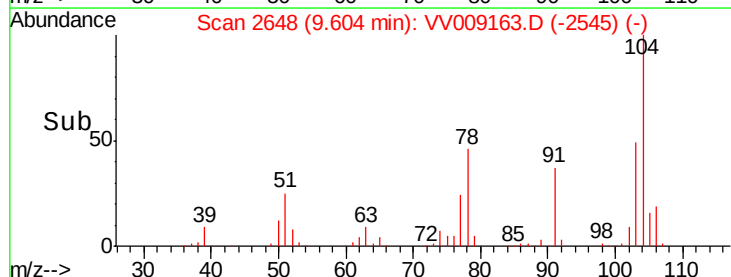
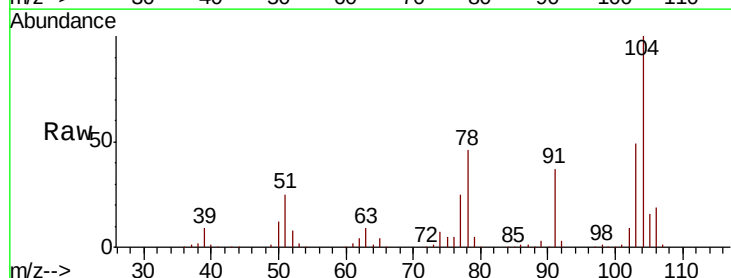
Acq: 04 Jan 2019 15:43

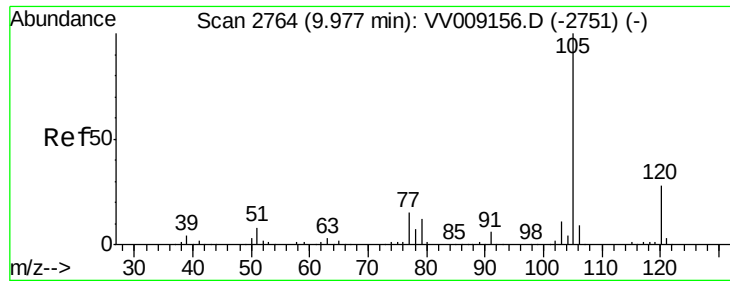
Tgt Ion:104 Resp: 170181

Ion Ratio Lower Upper

104 100

78 45.5 31.6 58.8





#57

Isopropylbenzene

Concen: 25.203 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV009163.D

Acq: 04 Jan 2019 15:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD02573

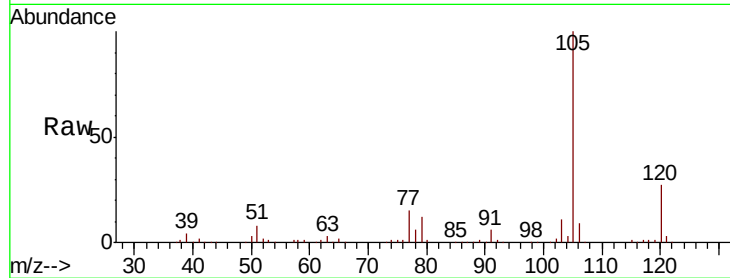
Tgt Ion: 105 Resp: 282520

Ion Ratio Lower Upper

105 100

120 26.9 21.9 32.9

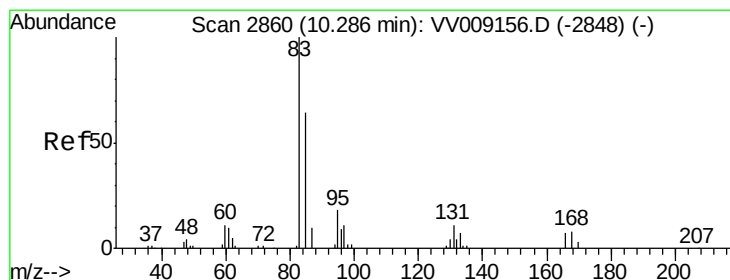
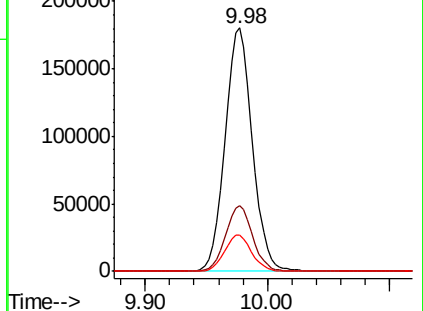
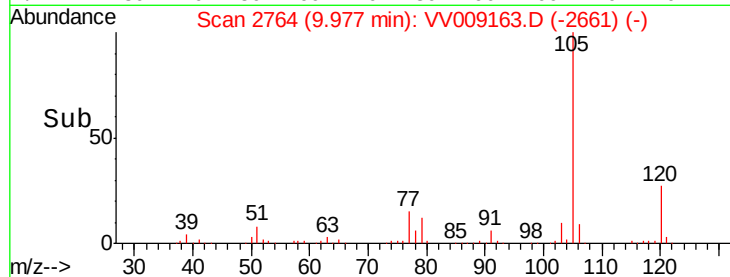
77 14.9 12.1 18.1



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: 24.632 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV009163.D

Acq: 04 Jan 2019 15:43

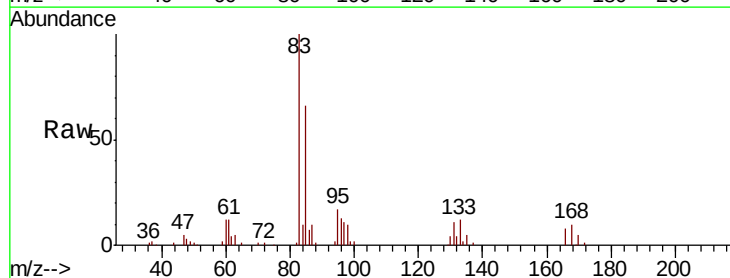
Tgt Ion: 83 Resp: 64668

Ion Ratio Lower Upper

83 100

85 65.7 45.4 84.2

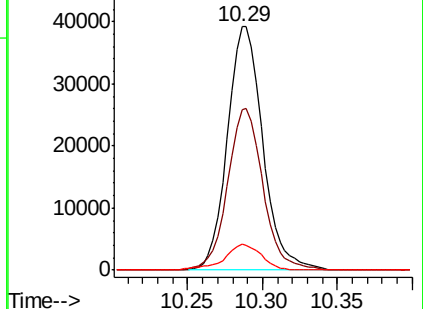
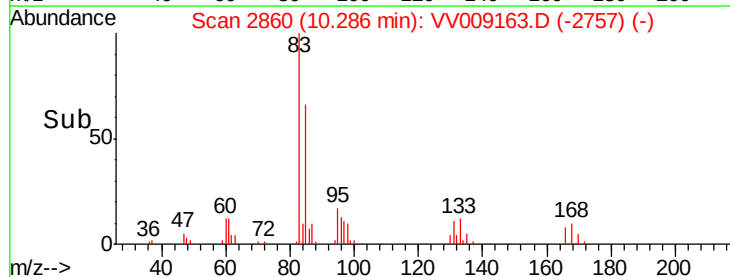
131 10.5 9.4 14.0

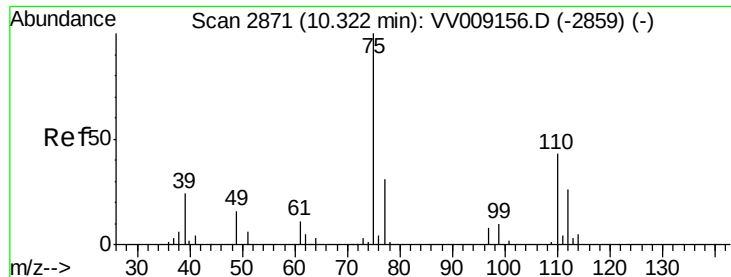


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

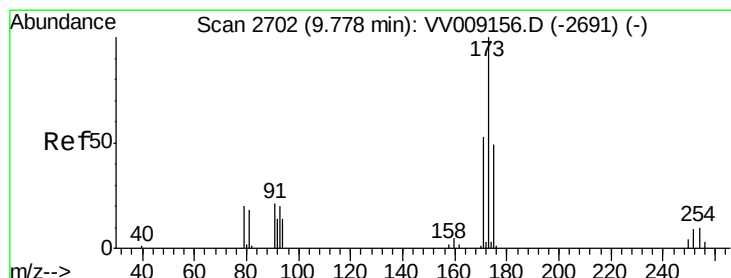
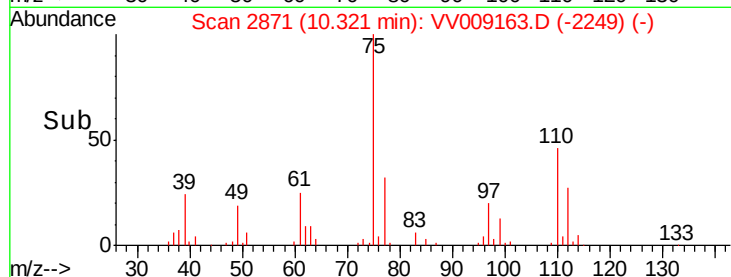
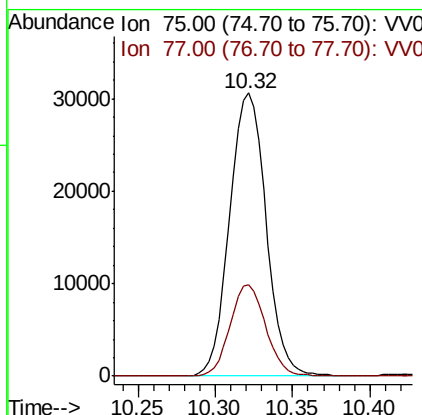
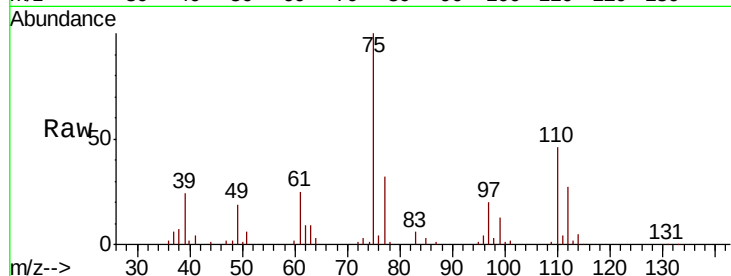




#59
 1,2,3-Trichloropropane
 Concen: 23.887 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV009163.D
 Acq: 04 Jan 2019 15:43

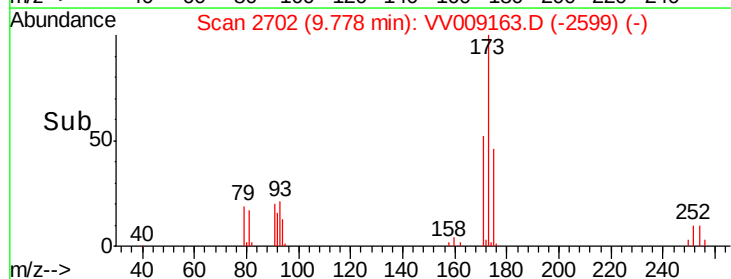
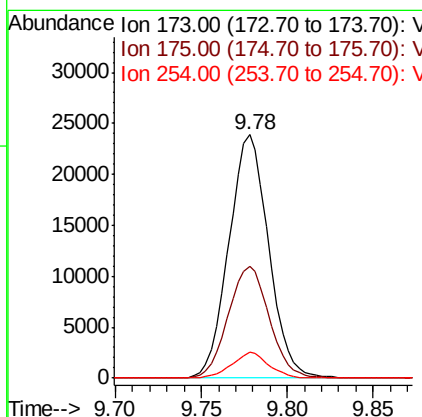
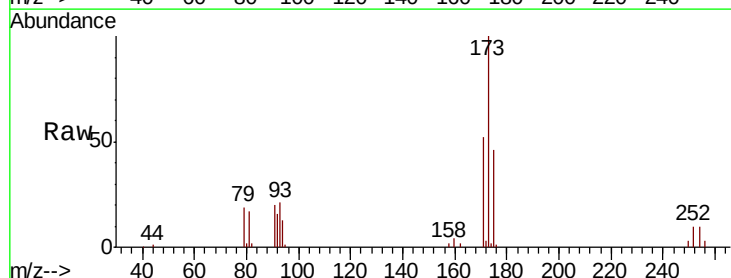
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02573

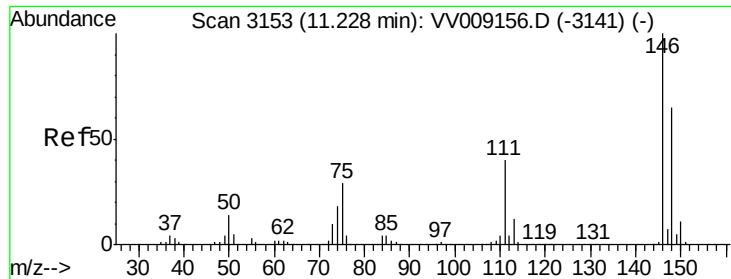
Tgt Ion: 75 Resp: 50124
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.0 37.6



#62
 Bromoform
 Concen: 25.535 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. -0.00 min
 Lab File: VV009163.D
 Acq: 04 Jan 2019 15:43

Tgt Ion: 173 Resp: 38316
 Ion Ratio Lower Upper
 173 100
 175 47.4 38.4 57.6
 254 9.7 8.0 12.0

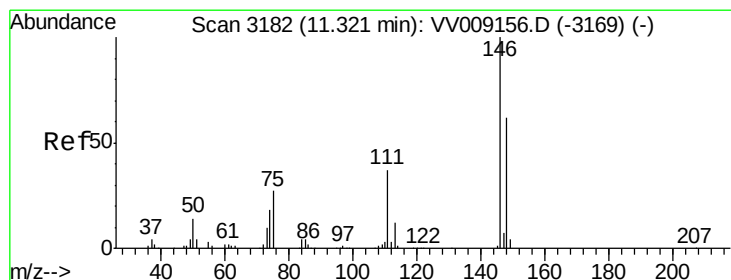
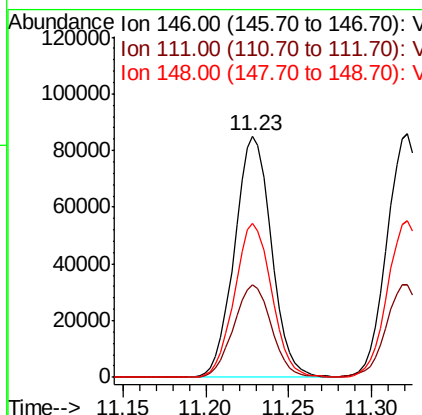
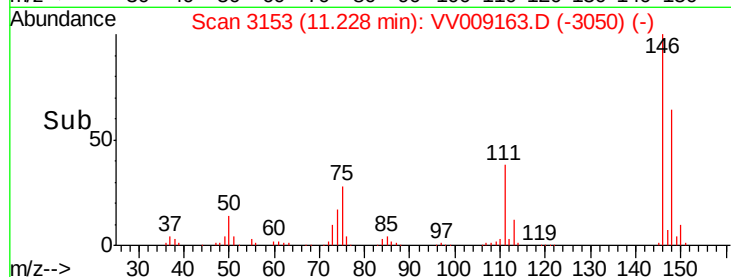
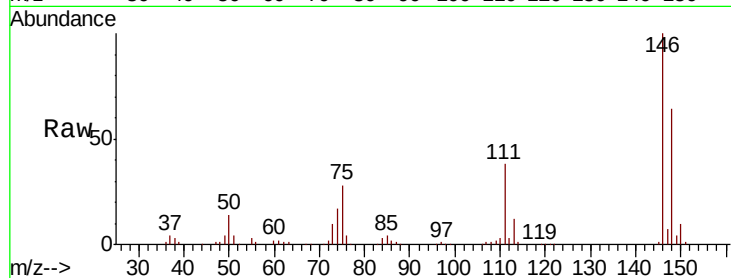




#63
 1,3-Dichlorobenzene
 Concen: 24.600 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV009163.D
 Acq: 04 Jan 2019 15:43

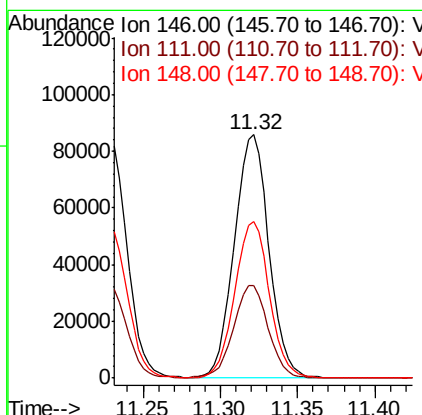
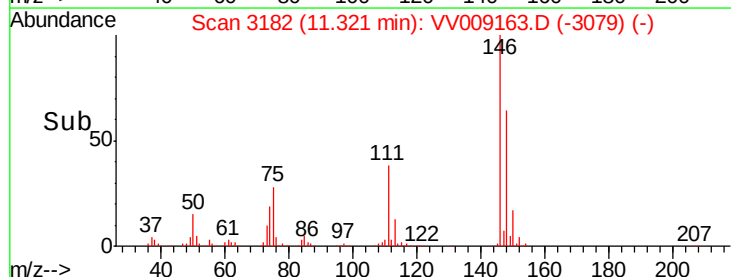
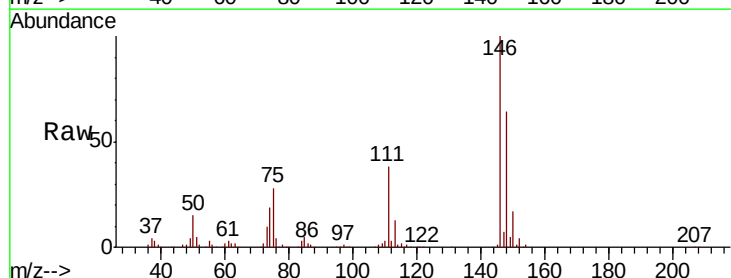
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02573

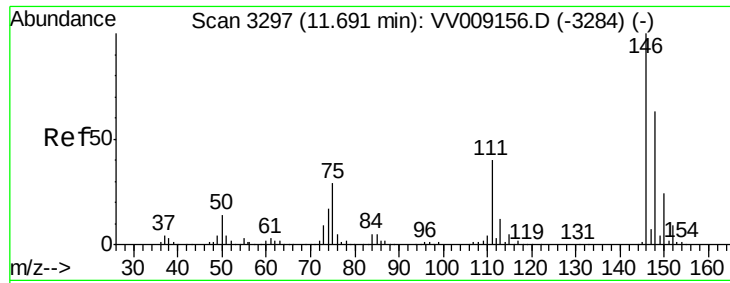
Tgt Ion:146 Resp: 131692
 Ion Ratio Lower Upper
 146 100
 111 38.1 28.0 52.0
 148 63.7 45.6 84.8



#64
 1,4-Dichlorobenzene
 Concen: 23.956 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VV009163.D
 Acq: 04 Jan 2019 15:43

Tgt Ion:146 Resp: 133677
 Ion Ratio Lower Upper
 146 100
 111 38.2 26.0 48.4
 148 64.2 43.4 80.6

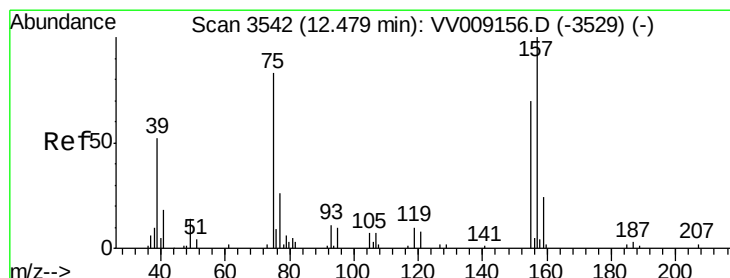
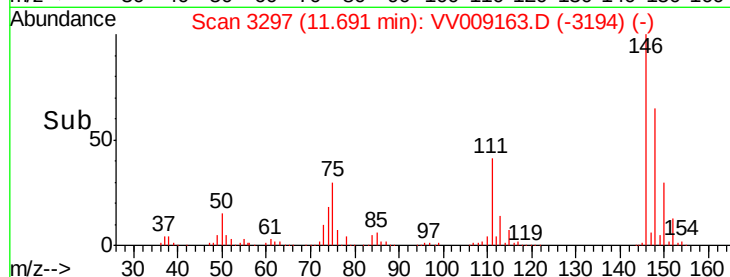
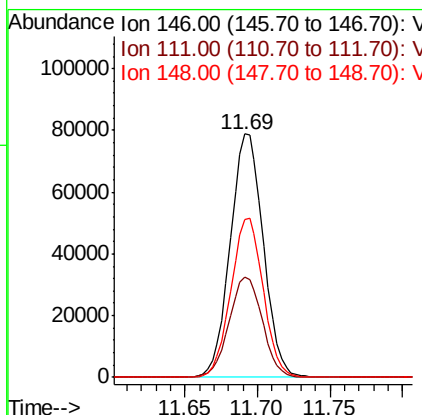
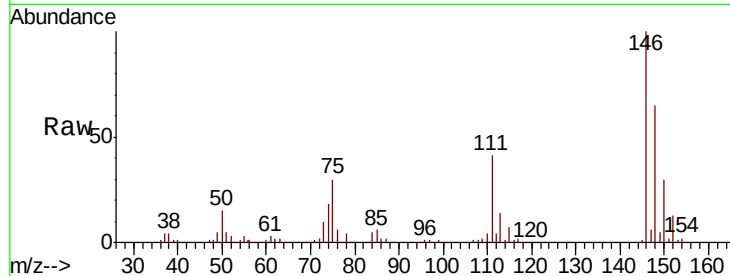




#65
 1,2-Dichlorobenzene
 Concen: 24.467 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VV009163.D
 Acq: 04 Jan 2019 15:43

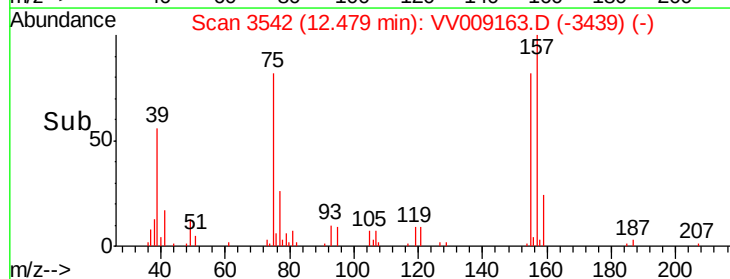
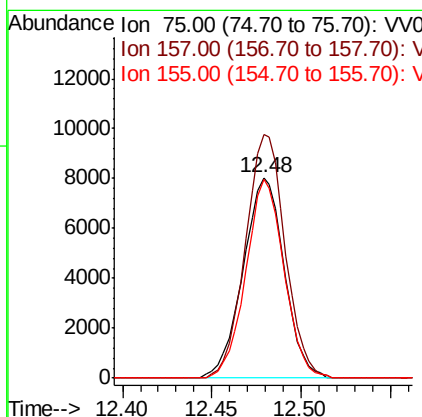
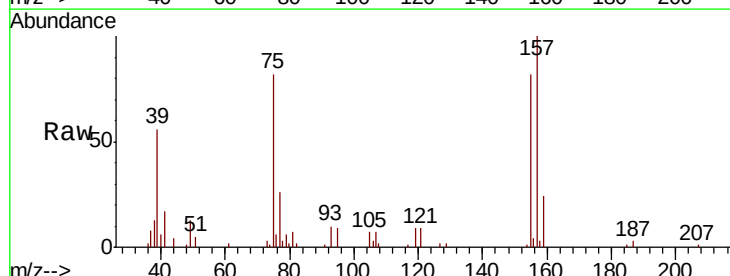
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02573

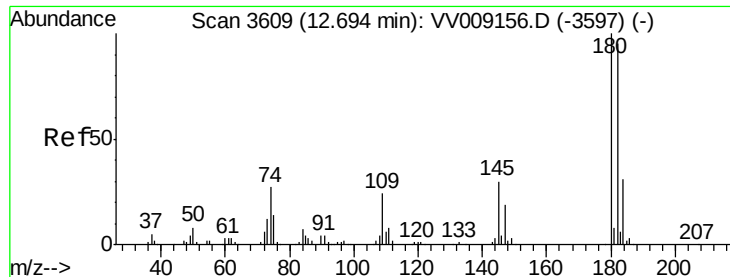
Tgt Ion: 146 Resp: 124766
 Ion Ratio Lower Upper
 146 100
 111 41.4 32.2 48.4
 148 65.0 50.4 75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.342 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. -0.00 min
 Lab File: VV009163.D
 Acq: 04 Jan 2019 15:43

Tgt Ion: 75 Resp: 12887
 Ion Ratio Lower Upper
 75 100
 157 121.5 96.9 145.3
 155 99.0 68.0 102.0

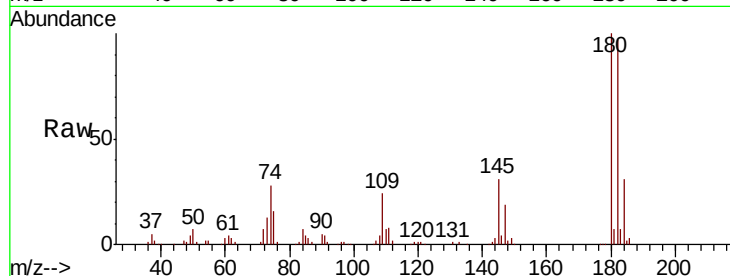




#67
 1,3,5-Trichlorobenzene
 Concen: 23.806 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009163.D
 Acq: 04 Jan 2019 15:43

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02573

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.3	112.9
184	30.1	24.6	37.0
145	29.7	23.9	35.9



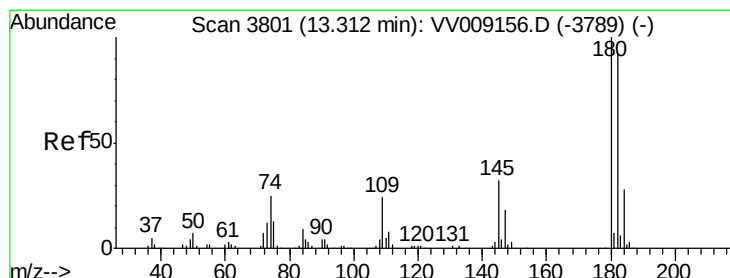
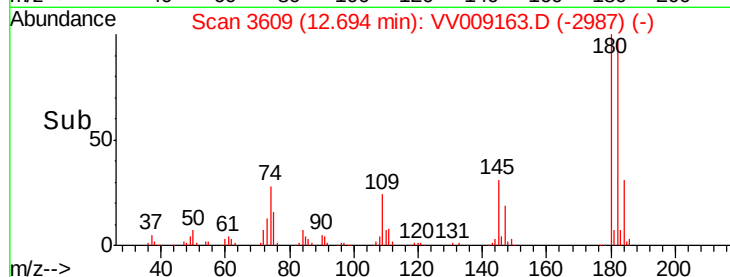
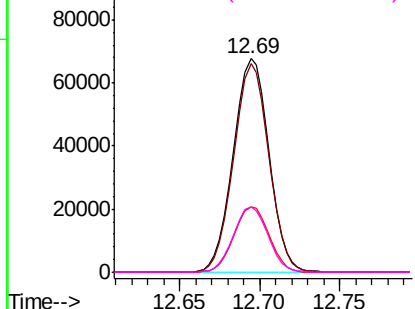
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

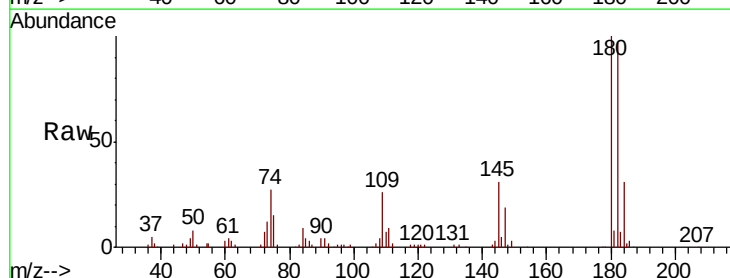
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 23.772 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009163.D
 Acq: 04 Jan 2019 15:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.2	114.4
145	30.8	25.4	38.0

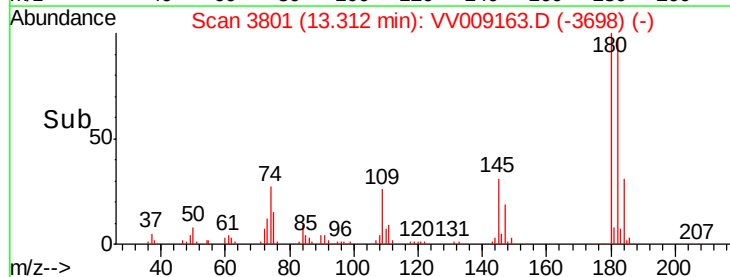
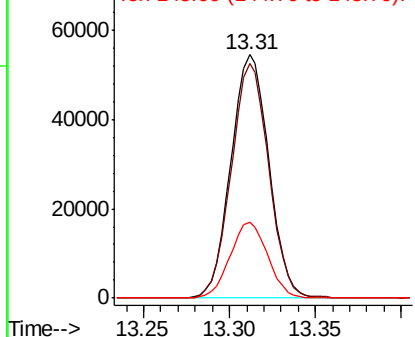


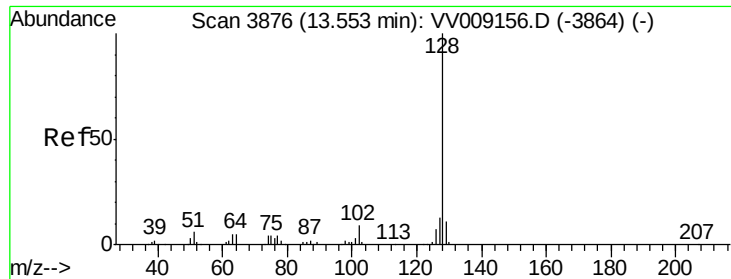
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 24.235 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV009163.D

Acq: 04 Jan 2019 15:43

Instrument :

MSVOA_V

ClientSampleId :

VSTD02573

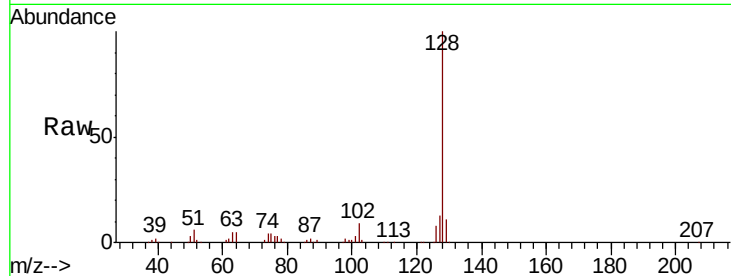
Tgt Ion:128 Resp: 173473

Ion Ratio Lower Upper

128 100

129 10.7 9.0 13.4

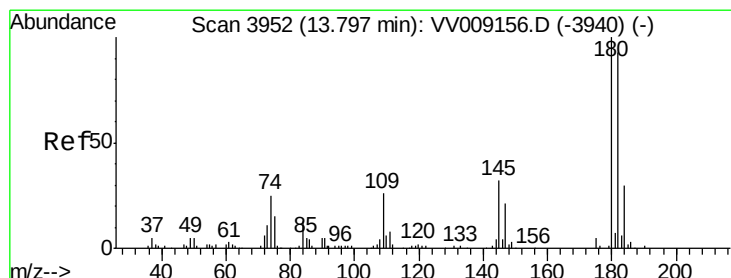
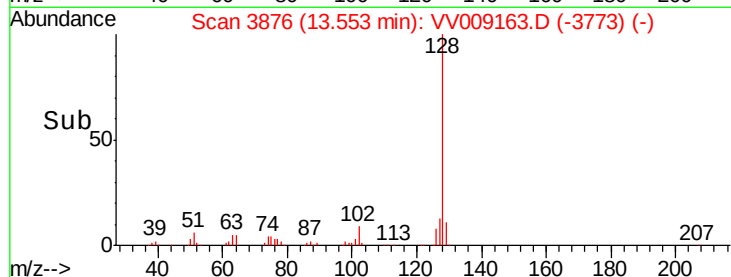
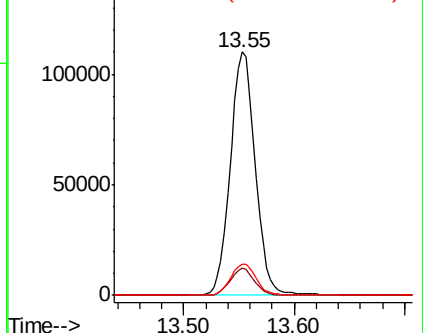
127 13.2 10.4 15.6



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: 23.550 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. -0.00 min

Lab File: VV009163.D

Acq: 04 Jan 2019 15:43

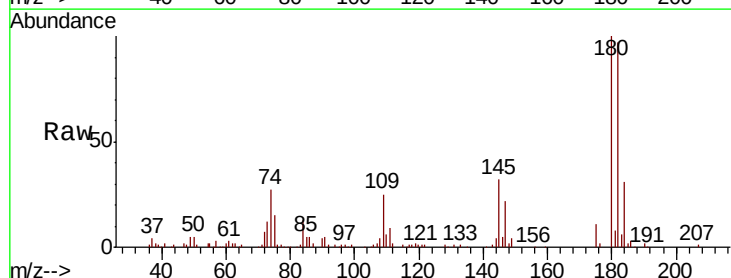
Tgt Ion:180 Resp: 75951

Ion Ratio Lower Upper

180 100

182 97.3 74.4 111.6

145 32.8 25.7 38.5



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

