

Data File : VV008395.D
Acq On : 24 Oct 2018 16:36
Operator : SY/MD
Sample : MDL06
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Quant Time: Oct 25 08:53:49 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102318WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 25 08:48:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	193579	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	176810	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	75536	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	44936	41.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.86%
7) Chloroethane-d5	1.57	69	35924	46.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.84%
11) 1,1-Dichloroethene-d2	2.13	63	64895	33.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.04%
21) 2-Butanone-d5	3.94	46	113282	97.25	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.25%
24) Chloroform-d	4.41	84	117729	44.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.06%
26) 1,2-Dichloroethane-d4	5.09	65	83581	47.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.58%
32) Benzene-d6	5.10	84	238481	47.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.66%
36) 1,2-Dichloropropane-d6	6.12	67	83419	47.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.40%
41) Toluene-d8	7.36	98	210598	46.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.06%
43) trans-1,3-Dichloropropene-	7.67	79	39349	46.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.62%
47) 2-Hexanone-d5	8.14	63	89701	98.22	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.22%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	114035	48.14	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.28%
64) 1,2-Dichlorobenzene-d4	11.68	152	73872	47.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.62%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3183	2.303 ug/L	95
3) Chloromethane	1.25	50	3800	2.566 ug/L	100
5) Vinyl chloride	1.33	62	3556	2.592 ug/L #	73
6) Bromomethane	1.52	94	1199	3.185 ug/L	96
8) Chloroethane	1.59	64	2445	3.392 ug/L	98
9) Trichlorofluoromethane	1.77	101	4477	2.535 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2548	2.762 ug/L	91
12) 1,1-Dichloroethene	2.14	96	2658	3.060 ug/L #	1
13) Acetone	2.19	43	5304	5.867 ug/L	96
14) Carbon disulfide	2.32	76	10395	2.657 ug/L	98
15) Methyl Acetate	2.47	43	4821	2.674 ug/L	100
16) Methylene chloride	2.54	84	3946	2.623 ug/L	93
17) trans-1,2-Dichloroethene	2.79	96	3486	2.633 ug/L	99
18) Methyl tert-butyl Ether	2.81	73	12337	2.603 ug/L	95
19) 1,1-Dichloroethane	3.24	63	6876	2.518 ug/L	98
20) cis-1,2-Dichloroethene	3.97	96	4049	2.684 ug/L	92
22) 2-Butanone	4.03	43	6248	4.784 ug/L #	67

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Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	1694	2.381	ug/L	97
25) Chloroform	4.43	83	7734	2.901	ug/L	93
27) 1,2-Dichloroethane	5.19	62	6222	2.795	ug/L #	94
29) Cyclohexane	4.73	56	6643	2.580	ug/L	96
30) 1,1,1-Trichloroethane	4.67	97	5904	2.575	ug/L	97
31) Carbon tetrachloride	4.88	117	4987	2.563	ug/L	98
33) Benzene	5.15	78	14582	2.523	ug/L	100
34) Trichloroethene	5.97	95	3975	2.686	ug/L	93
35) Methylcyclohexane	6.18	83	1721	0.684	ug/L #	1
37) 1,2-Dichloropropane	6.23	63	4227	2.648	ug/L #	89
38) Bromodichloromethane	6.56	83	4950	2.434	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	6610	2.634	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	12602	5.331	ug/L	96
42) Toluene	7.44	91	16027	2.670	ug/L	95
44) trans-1,3-Dichloropropene	7.70	75	7454	3.175	ug/L	90
45) 1,1,2-Trichloroethane	7.89	97	3682	2.609	ug/L	91
46) Tetrachloroethene	8.02	164	2577	2.671	ug/L	93
48) 2-Hexanone	8.19	43	10555	5.787	ug/L	95
49) Dibromochloromethane	8.30	129	3520	2.321	ug/L	87
50) 1,2-Dibromoethane	8.40	107	3601	2.432	ug/L #	95
51) Chlorobenzene	8.93	112	9781	2.646	ug/L	95
52) Ethylbenzene	9.06	91	17400	2.587	ug/L	96
53) m,p-Xylene	9.18	106	6089	2.478	ug/L	99
54) o-xylene	9.59	106	6529	2.661	ug/L	91
55) Styrene	9.61	104	10248	2.479	ug/L	99
56) Isopropylbenzene	9.98	105	16094	2.507	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	6978	2.823	ug/L #	94
59) 1,2,3-Trichloropropane	10.32	75	5176	2.587	ug/L	99
61) Bromoform	9.78	173	2510	2.633	ug/L #	94
62) 1,3-Dichlorobenzene	11.23	146	6488	2.598	ug/L	95
63) 1,4-Dichlorobenzene	11.32	146	6814	2.722	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	6946	2.727	ug/L	92
66) 1,2-Dibromo-3-chloropropan	12.48	75	1253	2.393	ug/L #	85
67) 1,3,5-Trichlorobenzene	12.70	180	3778	2.317	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	2303	1.746	ug/L	94
69) Naphthalene	13.56	128	6321	1.482	ug/L #	96
70) 1,2,3-Trichlorobenzene	13.80	180	2587	1.962	ug/L	90

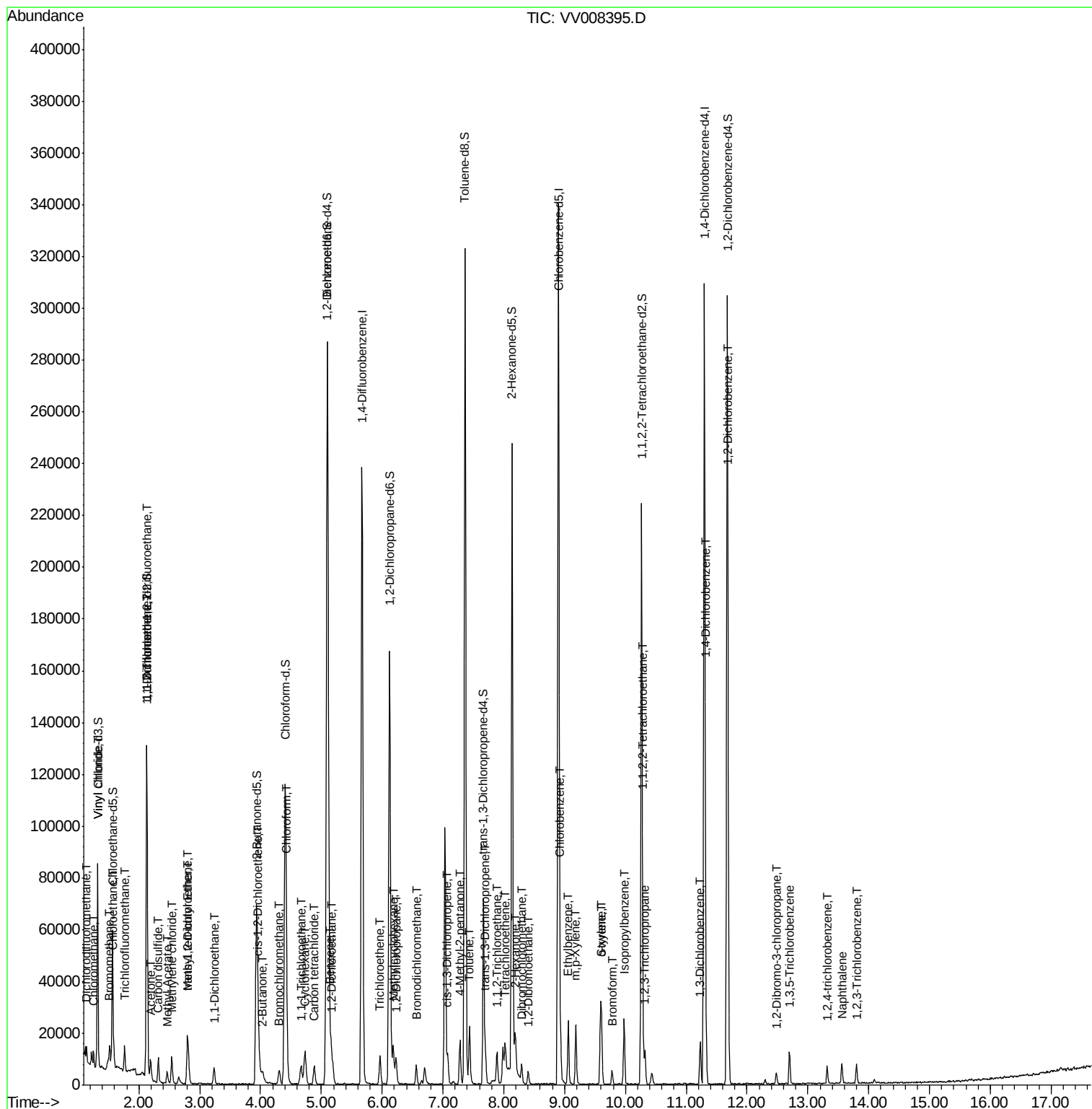
(#) = qualifier out of range (m) = manual integration (+) = signals summed

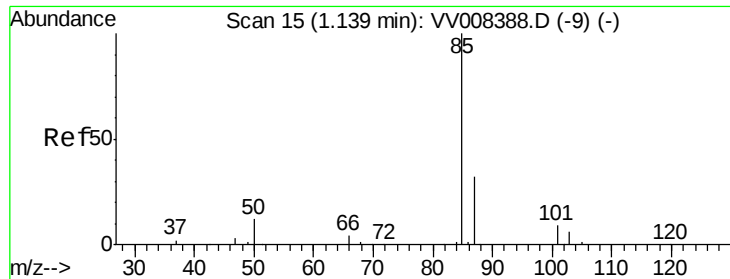
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ClientSampleId :
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#2

Dichlorodifluoromethane

Concen: 2.303 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV008395.D

Acq: 24 Oct 2018 16:36

Instrument :

MSVOA_V

ClientSampleId :

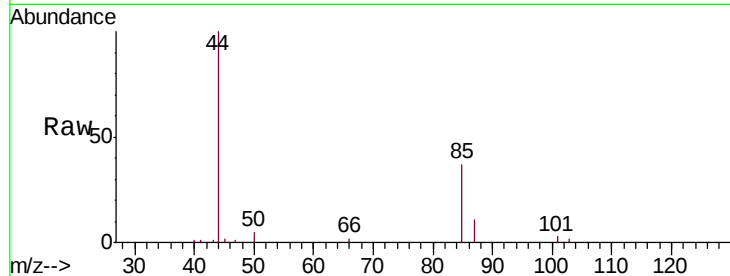
MDL06

Tgt Ion: 85 Resp: 3183

Ion Ratio Lower Upper

85 100

87 28.8 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VV008388.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VV008388.D (-9) (-)

1.14

3000

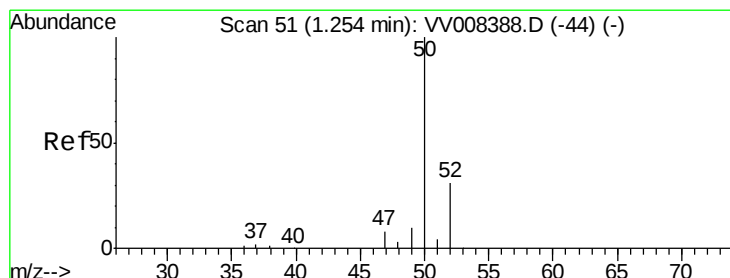
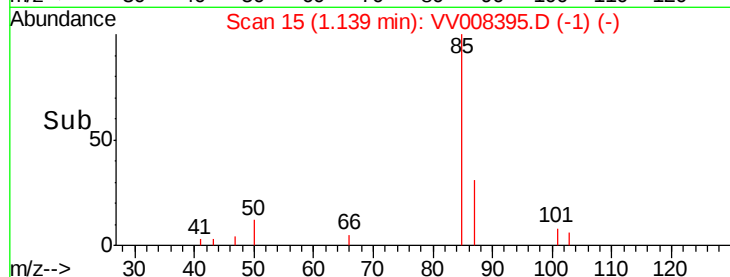
2000

1000

0

Time-->

1.10 1.12 1.14 1.16 1.18



#3

Chloromethane

Concen: 2.566 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV008395.D

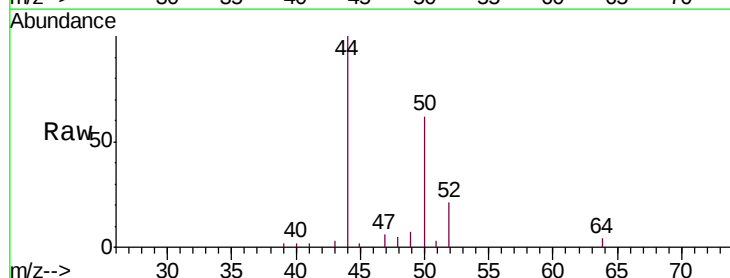
Acq: 24 Oct 2018 16:36

Tgt Ion: 50 Resp: 3800

Ion Ratio Lower Upper

50 100

52 33.1 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VV008388.D (-44) (-)

Ion 52.00 (51.70 to 52.70): VV008388.D (-44) (-)

1.25

4000

3000

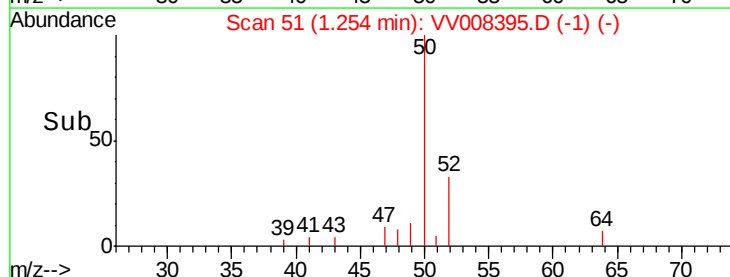
2000

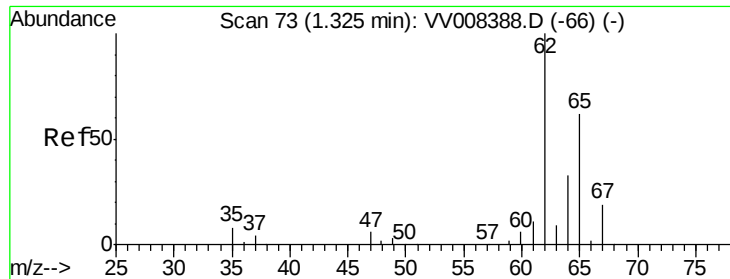
1000

0

Time-->

1.22 1.24 1.26 1.28





#5

Vinyl chloride

Concen: 2.592 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV008395.D

Acq: 24 Oct 2018 16:36

Instrument :

MSVOA_V

ClientSampleId :

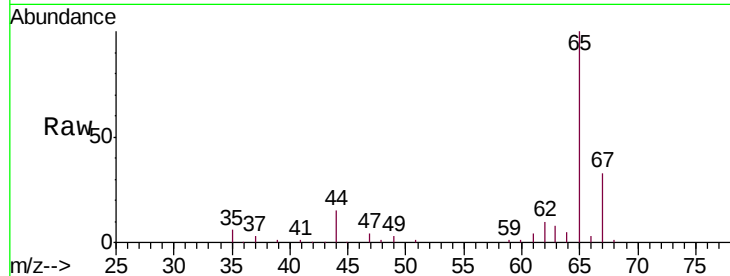
MDL06

Tgt Ion: 62 Resp: 3556

Ion Ratio Lower Upper

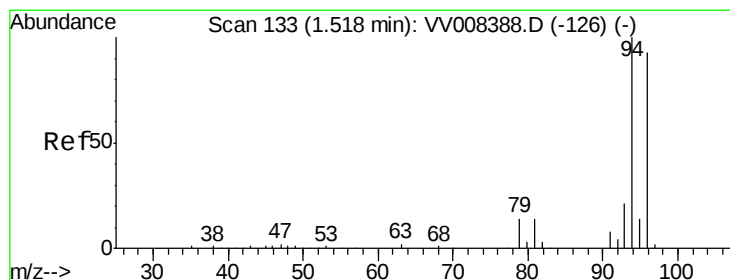
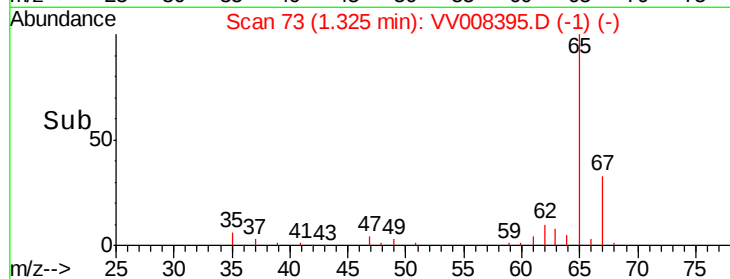
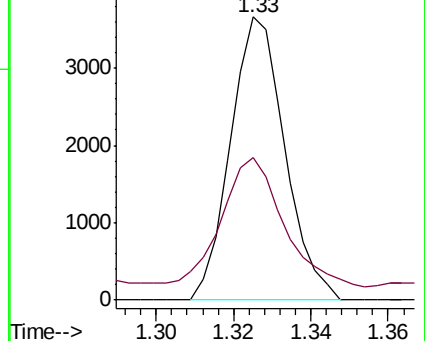
62 100

64 50.3 24.4 45.4#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 3.185 ug/L

RT: 1.52 min Scan# 133

Delta R.T. -0.00 min

Lab File: VV008395.D

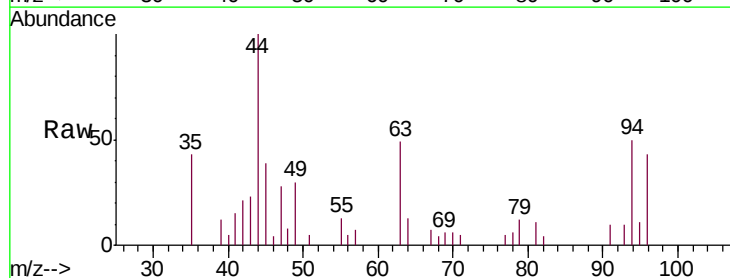
Acq: 24 Oct 2018 16:36

Tgt Ion: 94 Resp: 1199

Ion Ratio Lower Upper

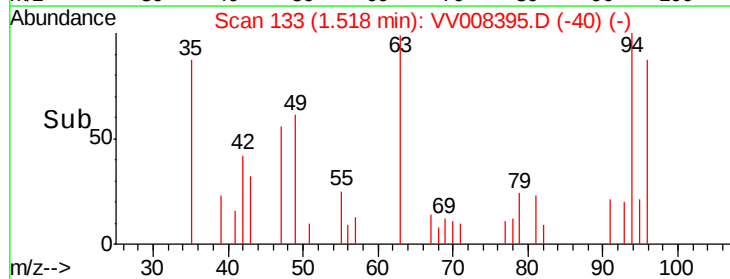
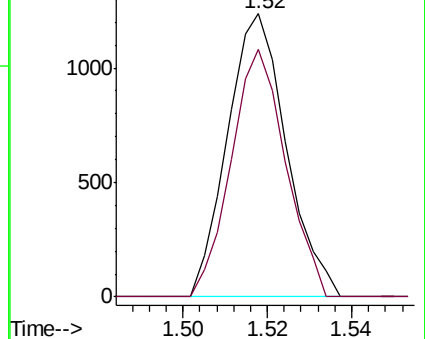
94 100

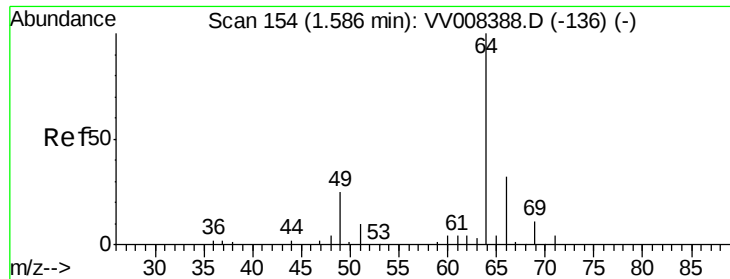
96 87.4 63.8 118.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 3.392 ug/L

RT: 1.59 min Scan# 154

Delta R.T. -0.00 min

Lab File: VV008395.D

Acq: 24 Oct 2018 16:36

Instrument :

MSVOA_V

ClientSampleId :

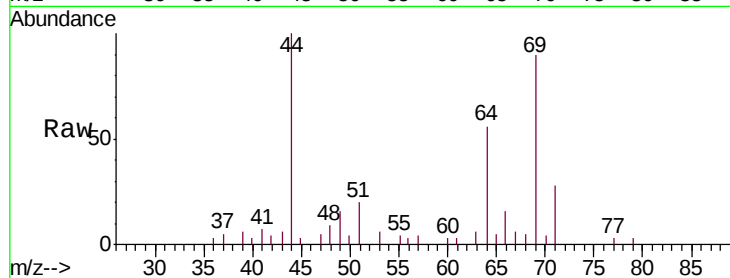
MDL06

Tgt Ion: 64 Resp: 2445

Ion Ratio Lower Upper

64 100

66 29.3 19.9 36.9



Abundance Ion 64.00 (63.70 to 64.70): VV008388.D (-136) (-)

Ion 66.00 (65.70 to 66.70): VV008388.D (-136) (-)

1.59

2000

1500

1000

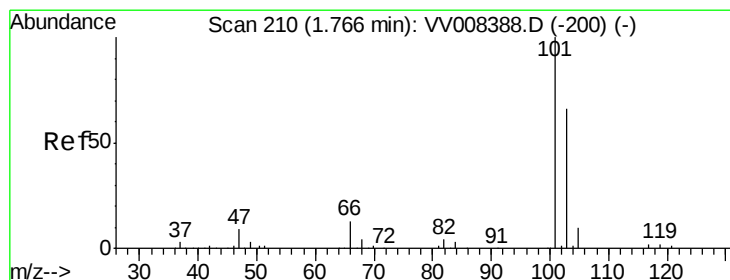
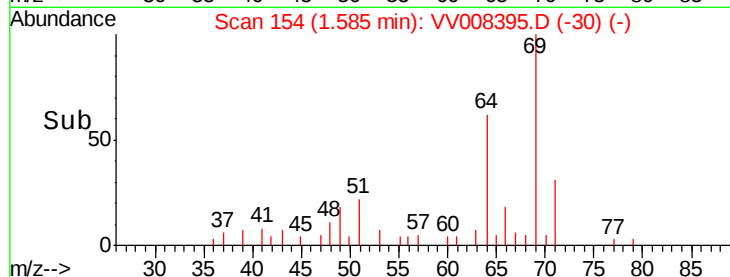
500

0

1.55

1.60

Time-->



#9

Trichlorofluoromethane

Concen: 2.535 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV008395.D

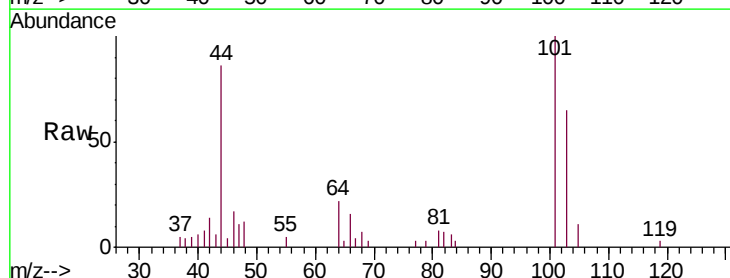
Acq: 24 Oct 2018 16:36

Tgt Ion: 101 Resp: 4477

Ion Ratio Lower Upper

101 100

103 62.9 51.0 76.6



Abundance Ion 101.00 (100.70 to 101.70): VV008388.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV008388.D (-200) (-)

1.77

4000

3000

2000

1000

0

1.72

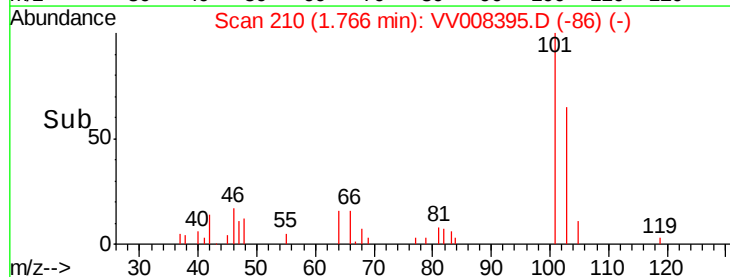
1.74

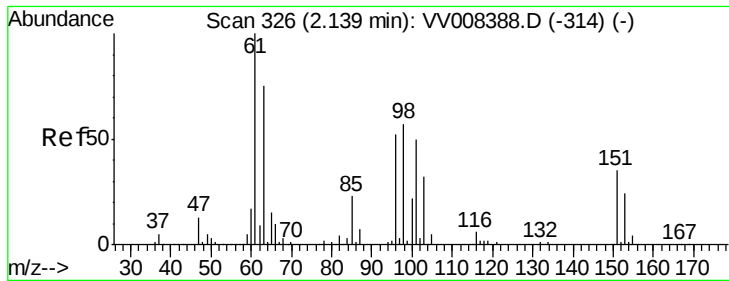
1.76

1.78

1.80

Time-->





#10

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

Concen: 2.762 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV008395.D

Acq: 24 Oct 2018 16:36

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ClientSampleId :

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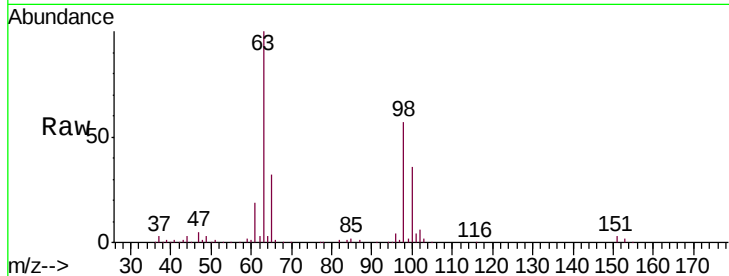
Tgt Ion:101 Resp: 2548

Ion Ratio Lower Upper

101 100

85 40.7 35.6 53.4

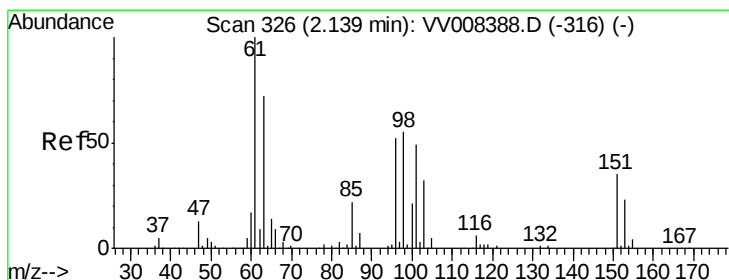
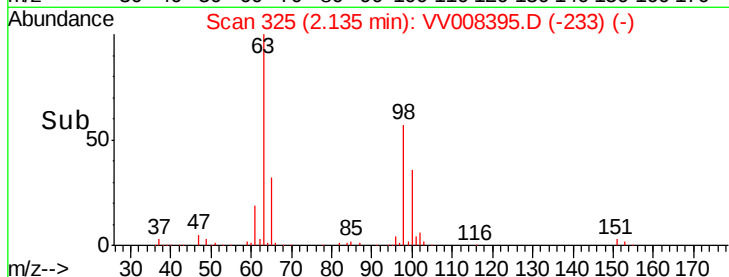
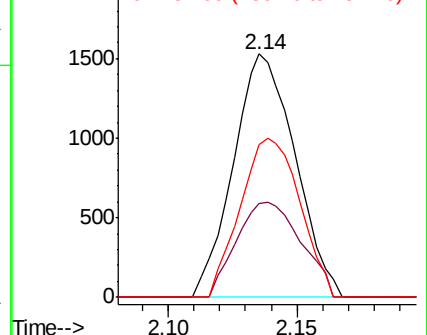
151 63.1 58.1 87.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 3.060 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV008395.D

Acq: 24 Oct 2018 16:36

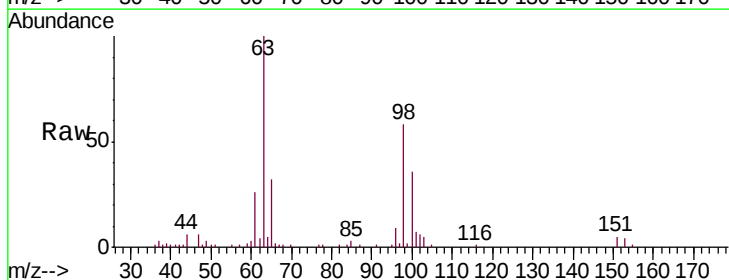
Tgt Ion: 96 Resp: 2658

Ion Ratio Lower Upper

96 100

61 290.7 130.3 242.1#

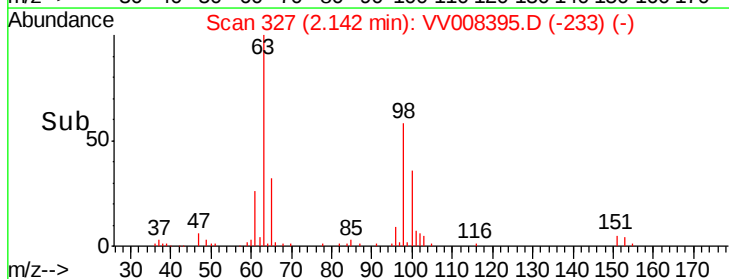
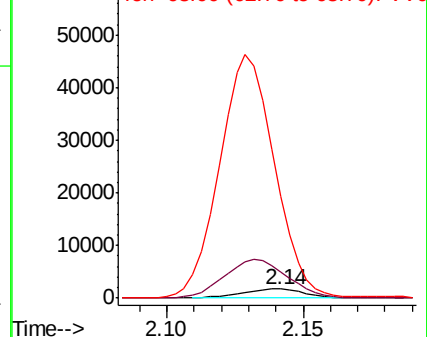
63 1115.4 84.4 156.8#

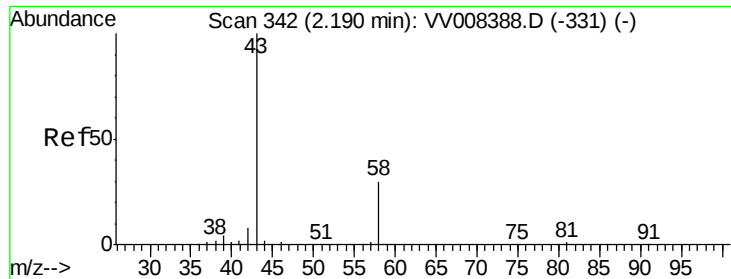


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 5.867 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV008395.D

Acq: 24 Oct 2018 16:36

Instrument :

MSVOA_V

ClientSampleId :

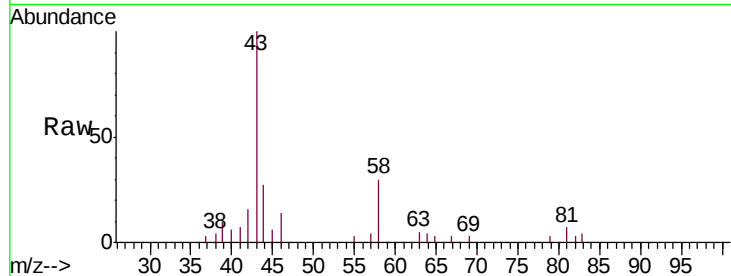
MDL06

Tgt Ion: 43 Resp: 5304

Ion Ratio Lower Upper

43 100

58 33.1 0.0 61.4



Abundance Ion 43.00 (42.70 to 43.70): VV008388.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV008388.D (-331) (-)

2.19

4000

3000

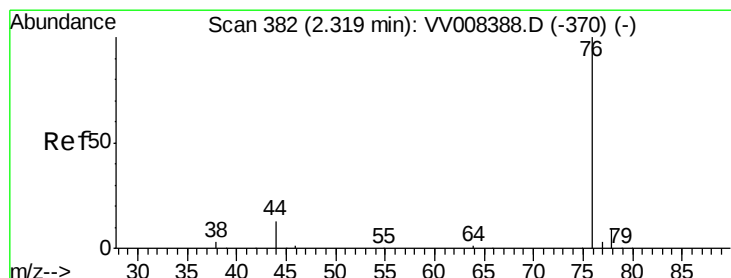
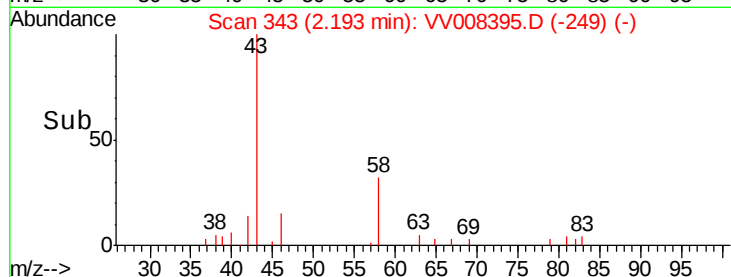
2000

1000

0

2.15 2.20 2.25

Time-->



#14

Carbon disulfide

Concen: 2.657 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV008395.D

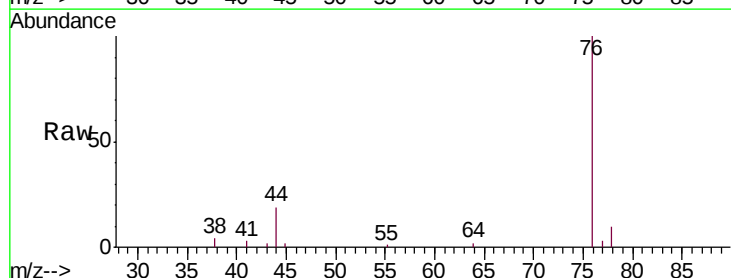
Acq: 24 Oct 2018 16:36

Tgt Ion: 76 Resp: 10395

Ion Ratio Lower Upper

76 100

78 9.7 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV008388.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV008388.D (-370) (-)

2.32

8000

6000

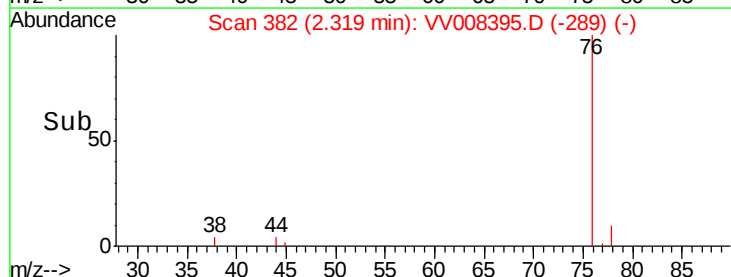
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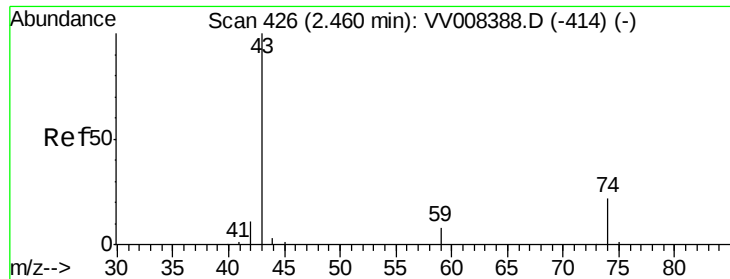
2000

0

2.30 2.35

Time-->





#15

Methyl Acetate

Concen: 2.674 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.01 min

Lab File: VV008395.D

Acq: 24 Oct 2018 16:36

Instrument :

MSVOA_V

ClientSampleId :

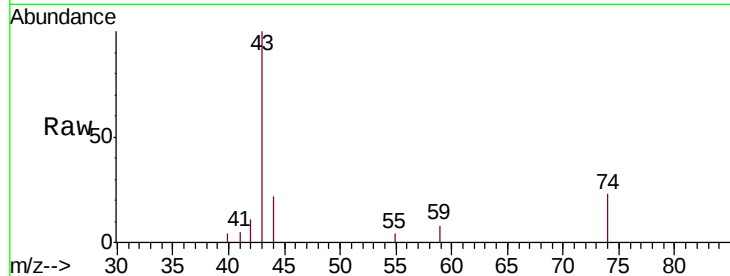
MDL06

Tgt Ion: 43 Resp: 4821

Ion Ratio Lower Upper

43 100

74 22.3 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VV008388.D (-414) (-)

Ion 74.00 (73.70 to 74.70): VV008388.D (-414) (-)

2.47

3000

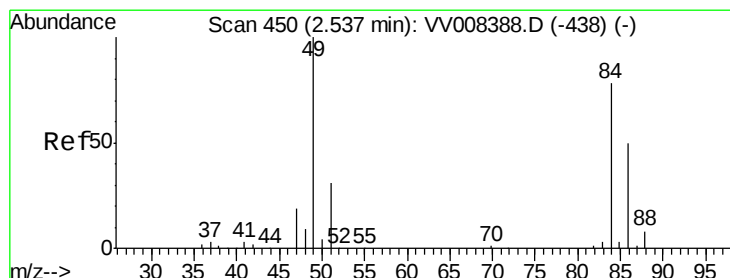
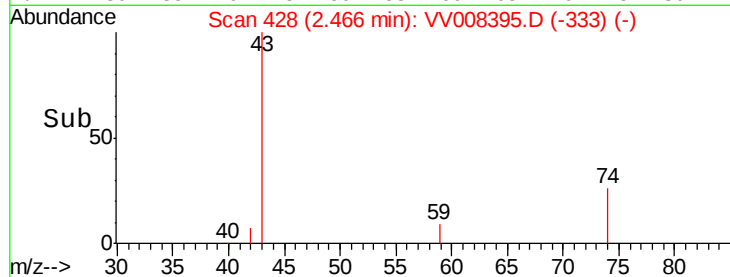
2000

1000

0

2.40 2.45 2.50

Time-->



#16

Methylene chloride

Concen: 2.623 ug/L

RT: 2.54 min Scan# 451

Delta R.T. 0.00 min

Lab File: VV008395.D

Acq: 24 Oct 2018 16:36

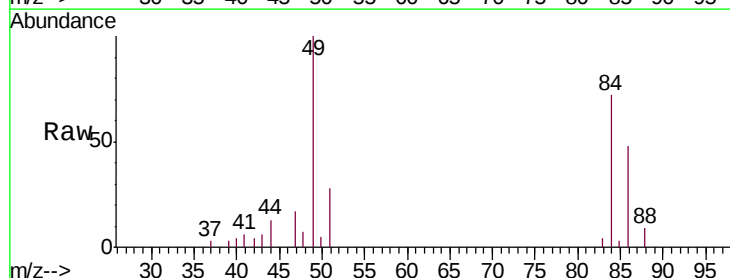
Tgt Ion: 84 Resp: 3946

Ion Ratio Lower Upper

84 100

86 67.3 45.6 84.6

49 139.6 90.6 168.3



Abundance Ion 84.00 (83.70 to 84.70): VV008388.D (-438) (-)

Ion 86.00 (85.70 to 86.70): VV008388.D (-438) (-)

Ion 49.00 (48.70 to 49.70): VV008388.D (-438) (-)

4000

3000

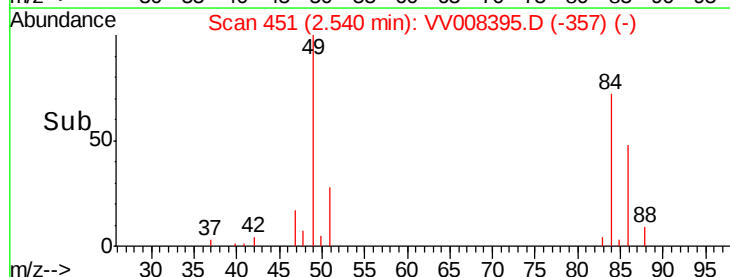
2000

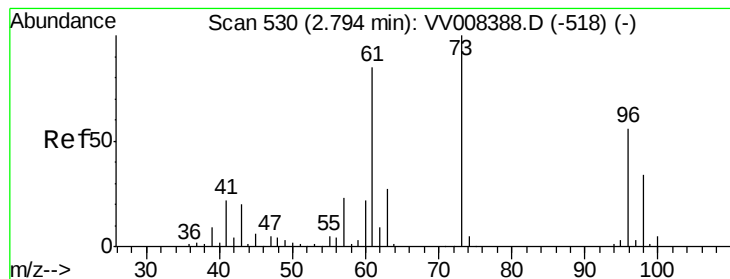
1000

0

2.50 2.55

Time-->





#17

trans-1,2-Dichloroethene

Concen: 2.633 ug/L

RT: 2.79 min Scan# 530

Delta R.T. -0.00 min

Lab File: VV008395.D

Acq: 24 Oct 2018 16:36

Instrument :

MSVOA_V

ClientSampleId :

MDL06

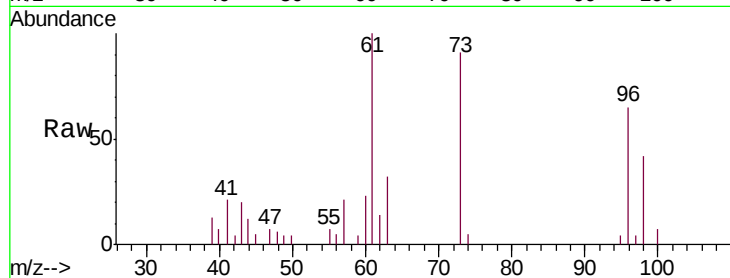
Tgt Ion: 96 Resp: 3486

Ion Ratio Lower Upper

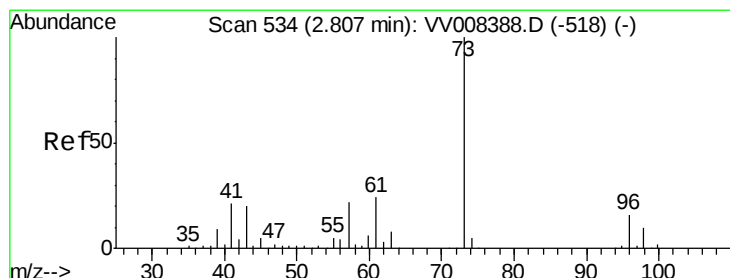
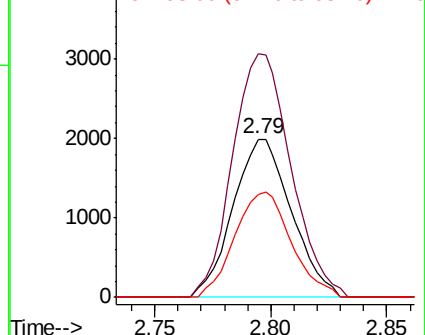
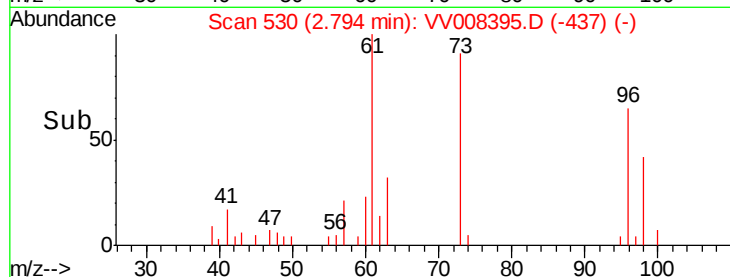
96 100

61 154.2 108.6 201.6

98 65.0 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VV008395.D (-437) (-)



#18

Methyl tert-butyl Ether

Concen: 2.603 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV008395.D

Acq: 24 Oct 2018 16:36

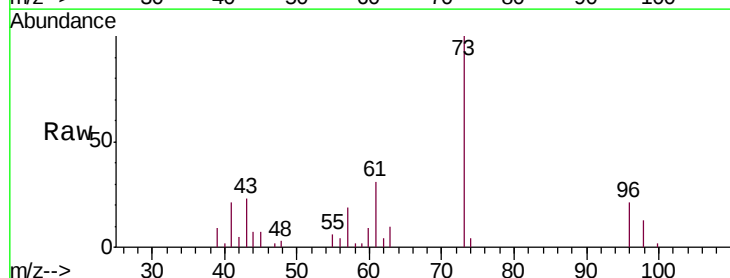
Tgt Ion: 73 Resp: 12337

Ion Ratio Lower Upper

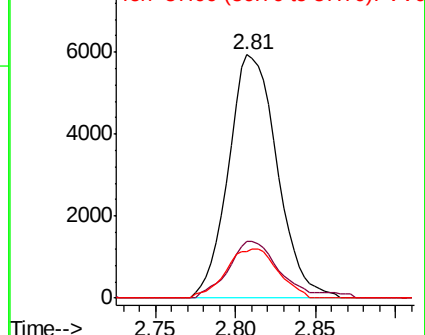
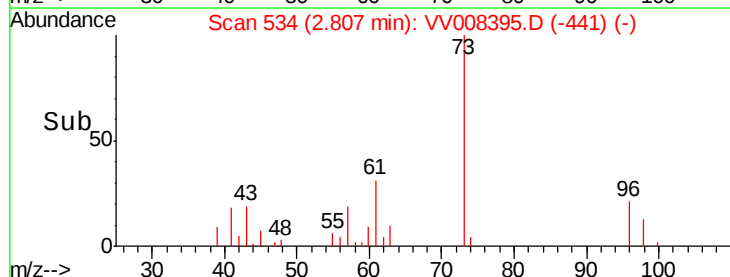
73 100

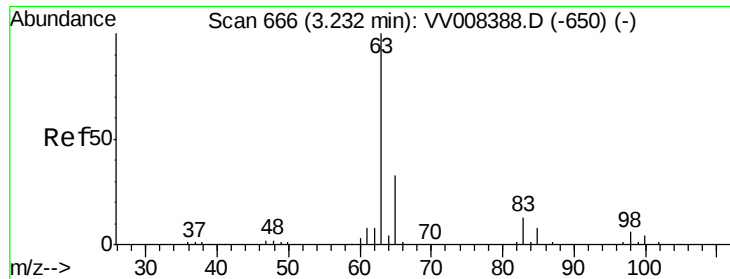
43 23.8 16.2 24.4

57 21.7 18.2 27.2



Abundance Ion 73.00 (72.70 to 73.70): VV008395.D (-441) (-)

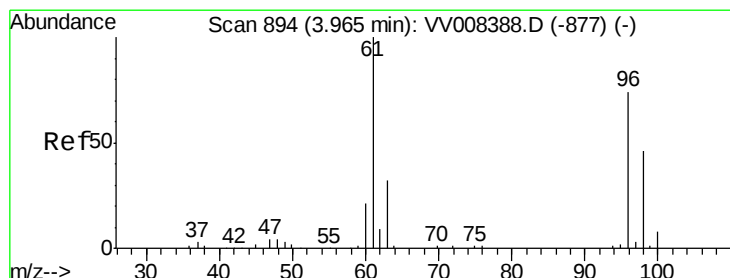
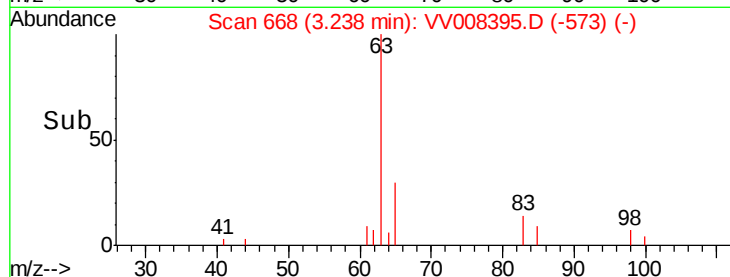
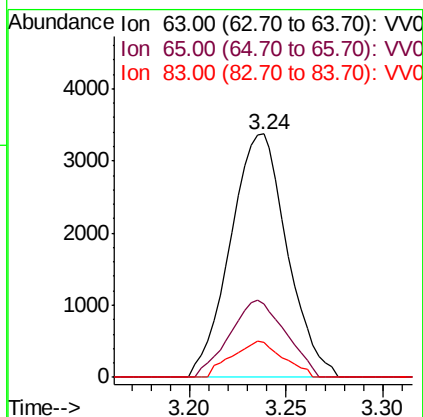
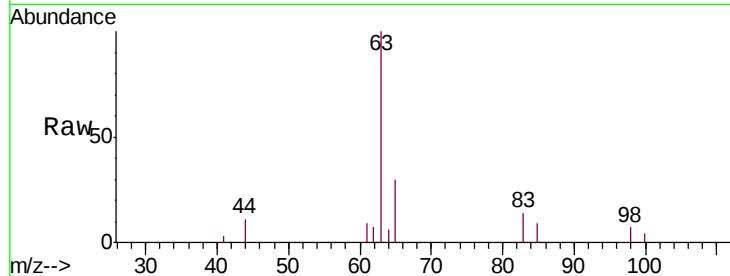




#19
 1,1-Dichloroethane
 Concen: 2.518 ug/L
 RT: 3.24 min Scan# 668
 Delta R.T. 0.01 min
 Lab File: VV008395.D
 Acq: 24 Oct 2018 16:36

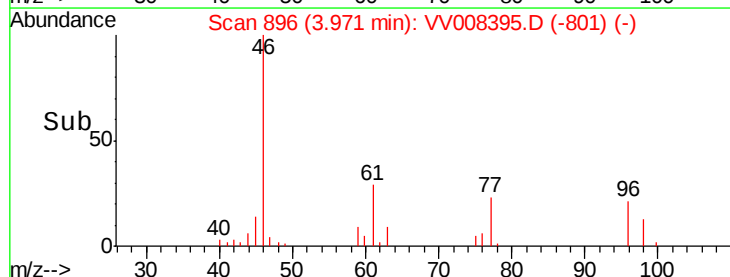
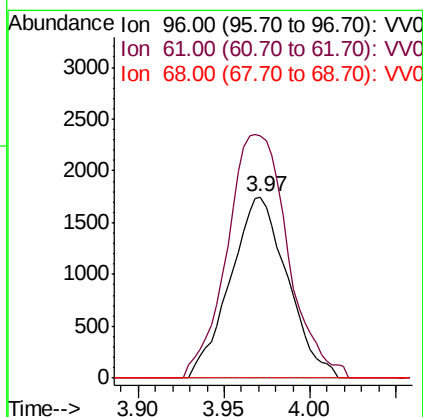
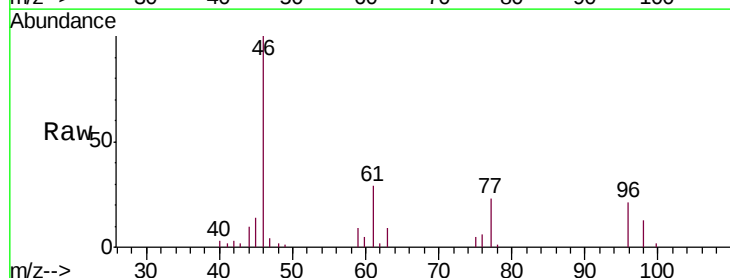
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

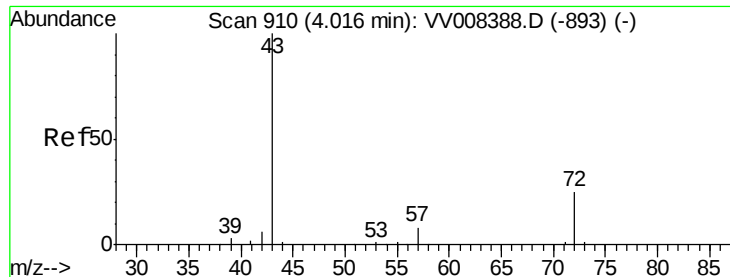
Tgt Ion: 63 Resp: 6876
 Ion Ratio Lower Upper
 63 100
 65 30.1 22.0 40.8
 83 14.2 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 2.684 ug/L
 RT: 3.97 min Scan# 896
 Delta R.T. 0.01 min
 Lab File: VV008395.D
 Acq: 24 Oct 2018 16:36

Tgt Ion: 96 Resp: 4049
 Ion Ratio Lower Upper
 96 100
 61 133.7 100.9 187.5
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 4.784 ug/L

RT: 4.03 min Scan# 915

Delta R.T. 0.02 min

Lab File: VV008395.D

Acq: 24 Oct 2018 16:36

Instrument :

MSVOA_V

ClientSampled :

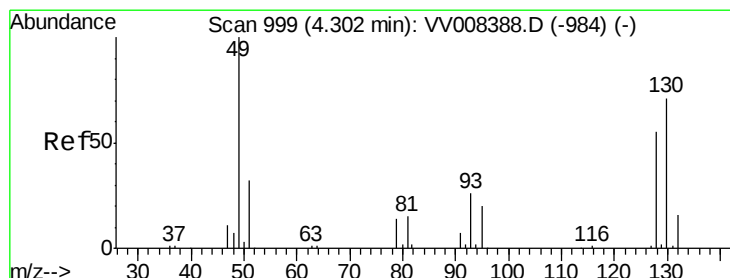
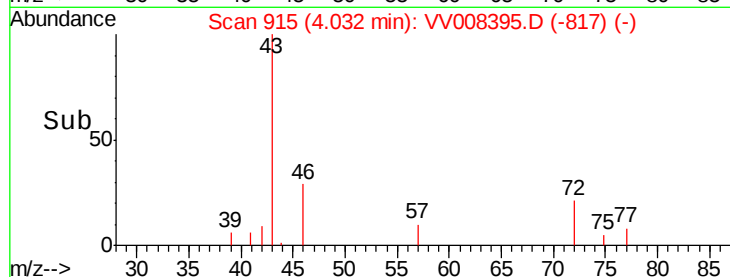
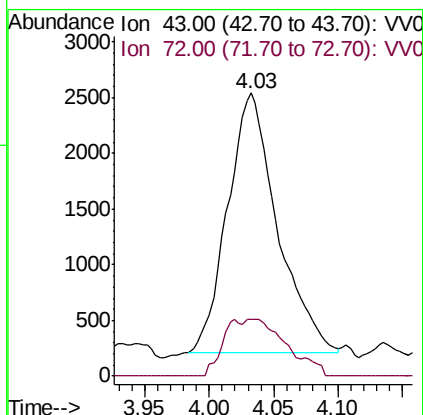
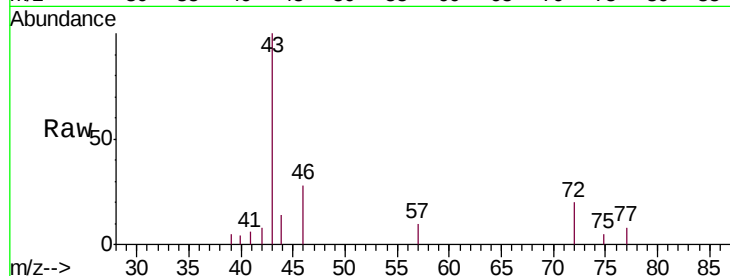
MDL06

Tgt Ion: 43 Resp: 6248

Ion Ratio Lower Upper

43 100

72 9.2 13.0 38.9#



#23

Bromochloromethane

Concen: 2.381 ug/L

RT: 4.31 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VV008395.D

Acq: 24 Oct 2018 16:36

Tgt Ion: 128 Resp: 1694

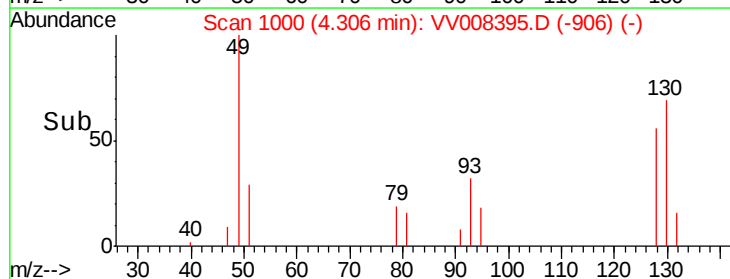
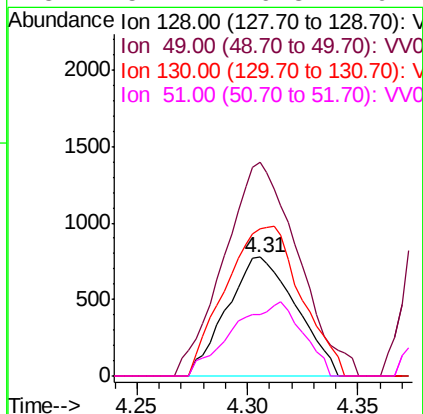
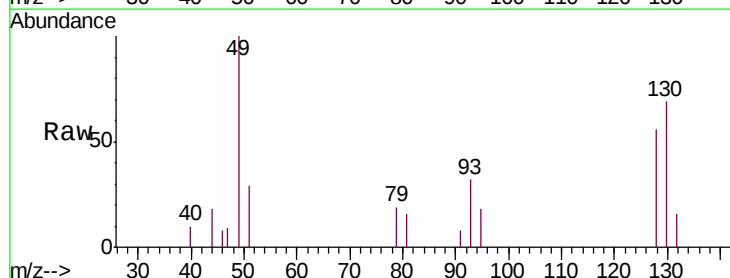
Ion Ratio Lower Upper

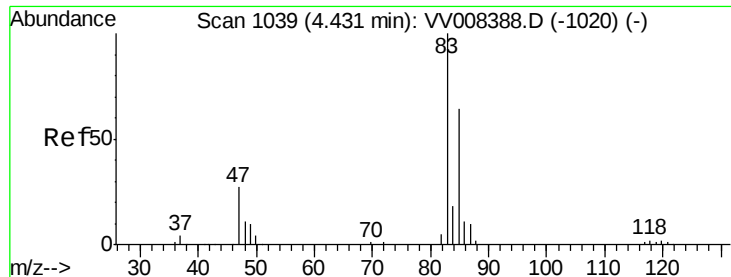
128 100

49 179.7 128.0 237.8

130 124.2 89.2 165.8

51 52.1 46.8 70.2

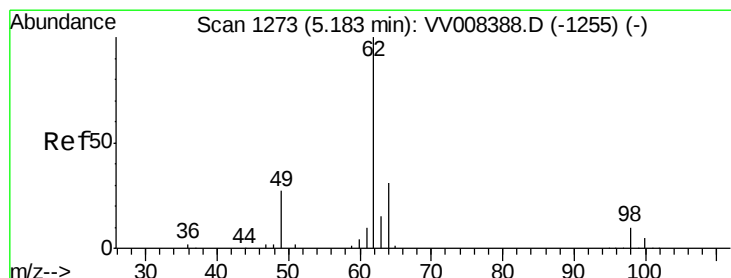
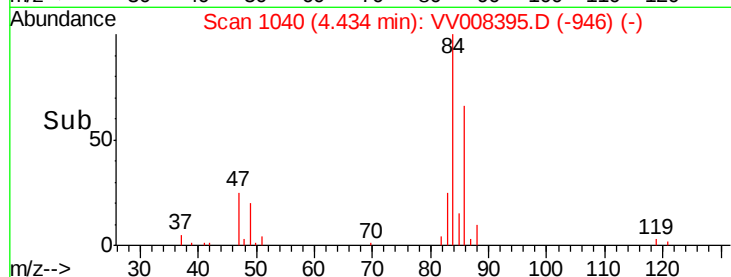
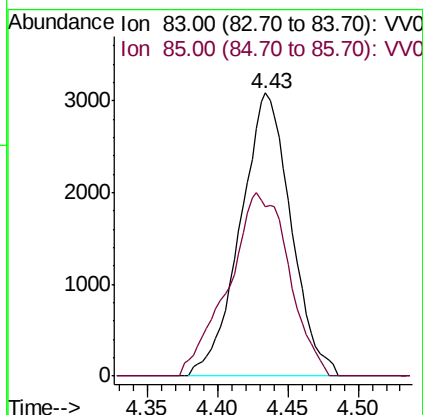
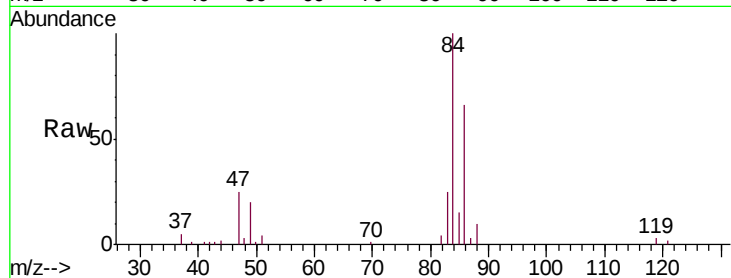




#25
Chloroform
Concen: 2.901 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VV008395.D
Acq: 24 Oct 2018 16:36

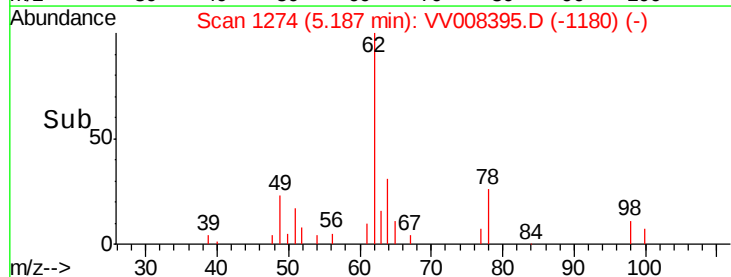
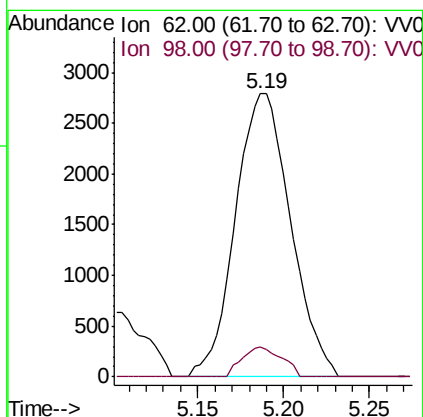
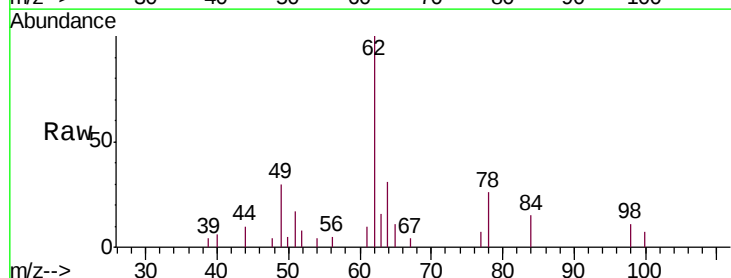
Instrument :
MSVOA_V
ClientSampled :
MDL06

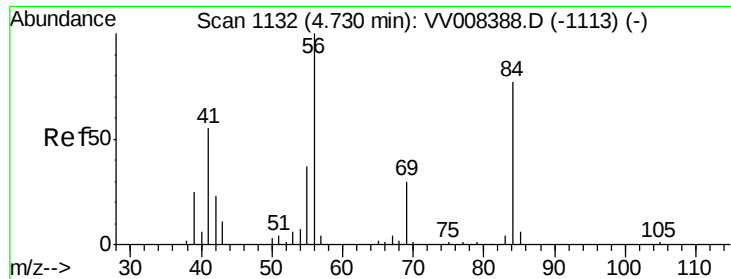
Tgt Ion: 83 Resp: 7734
Ion Ratio Lower Upper
83 100
85 59.9 45.8 85.2



#27
1,2-Dichloroethane
Concen: 2.795 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV008395.D
Acq: 24 Oct 2018 16:36

Tgt Ion: 62 Resp: 6222
Ion Ratio Lower Upper
62 100
98 10.5 6.6 9.8#

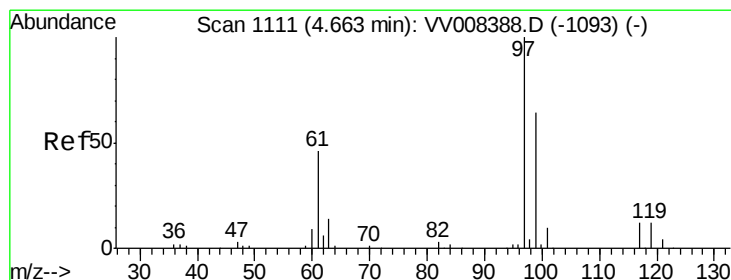
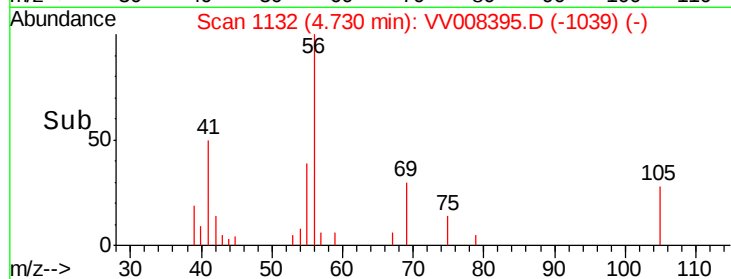
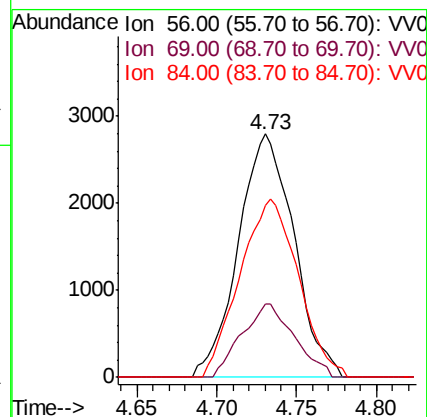
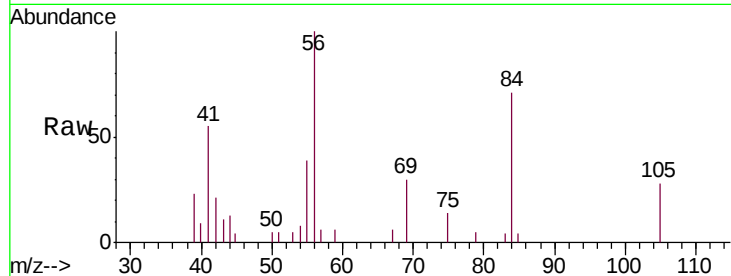




#29
Cyclohexane
Concen: 2.580 ug/L
RT: 4.73 min Scan# 1132
Delta R.T. -0.00 min
Lab File: VV008395.D
Acq: 24 Oct 2018 16:36

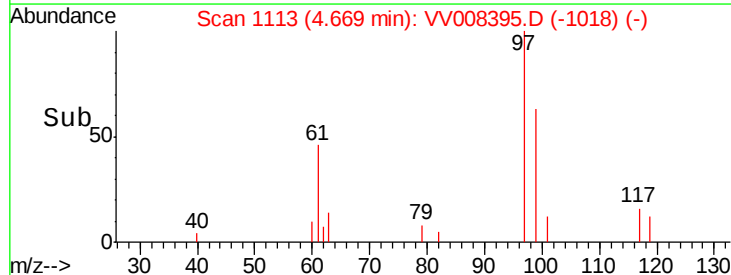
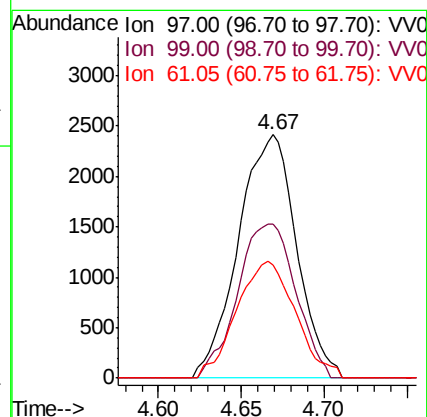
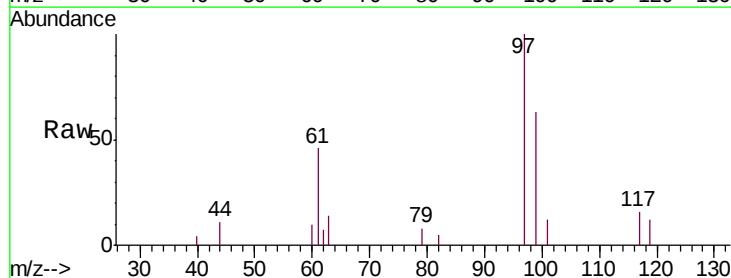
Instrument :
MSVOA_V
ClientSampled :
MDL06

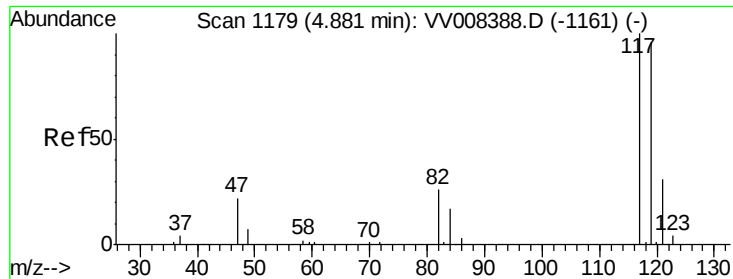
Tgt Ion: 56 Resp: 6643
Ion Ratio Lower Upper
56 100
69 28.6 24.6 37.0
84 77.3 65.0 97.4



#30
1,1,1-Trichloroethane
Concen: 2.575 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VV008395.D
Acq: 24 Oct 2018 16:36

Tgt Ion: 97 Resp: 5904
Ion Ratio Lower Upper
97 100
99 63.4 51.6 77.4
61 48.4 36.5 54.7





#31

Carbon tetrachloride

Concen: 2.563 ug/L

RT: 4.88 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VV008395.D

Acq: 24 Oct 2018 16:36

Instrument :

MSVOA_V

ClientSampled :

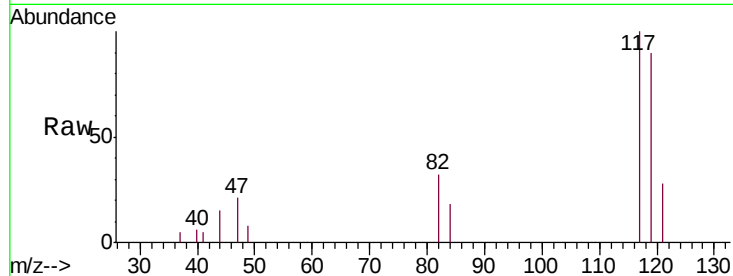
MDL06

Tgt Ion:117 Resp: 4987

Ion Ratio Lower Upper

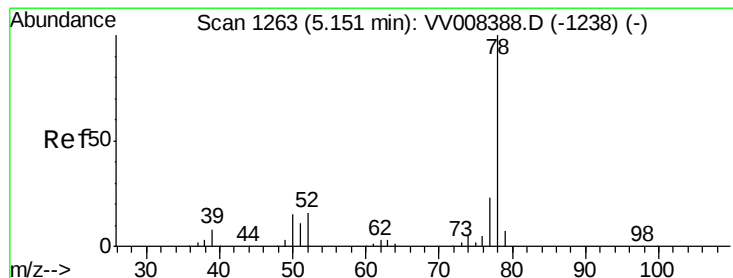
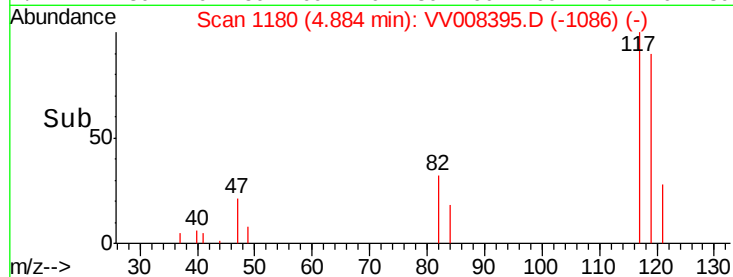
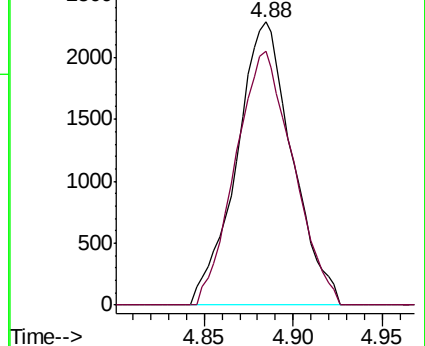
117 100

119 92.7 75.8 113.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 2.523 ug/L

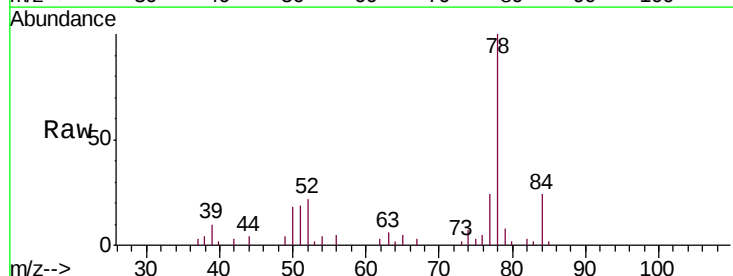
RT: 5.15 min Scan# 1264

Delta R.T. 0.00 min

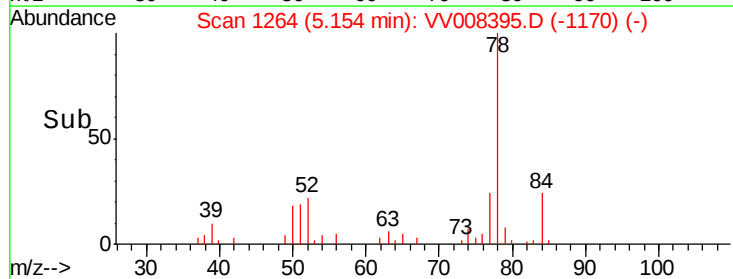
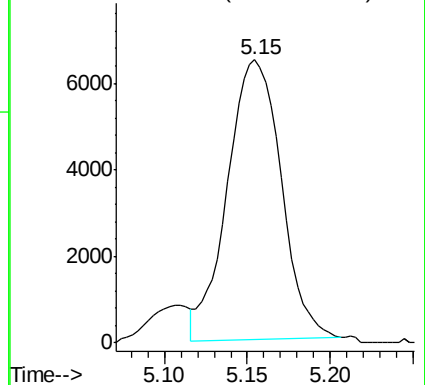
Lab File: VV008395.D

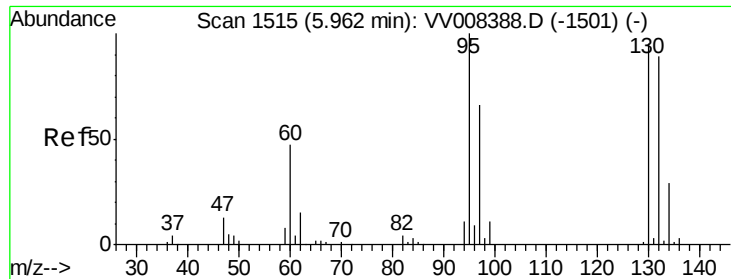
Acq: 24 Oct 2018 16:36

Tgt Ion: 78 Resp: 14582



Abundance Ion 78.00 (77.70 to 78.70): VV0

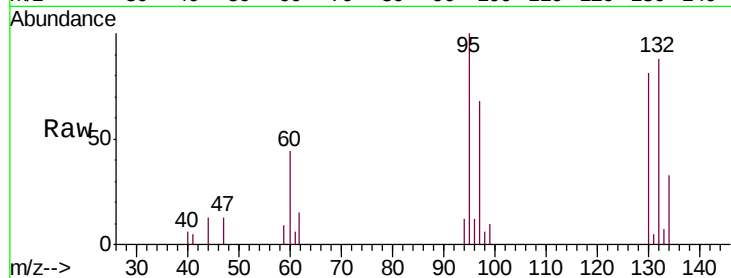




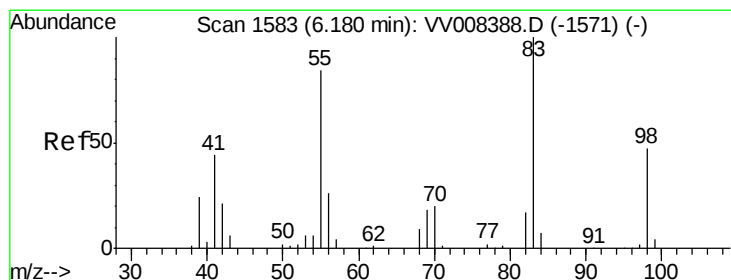
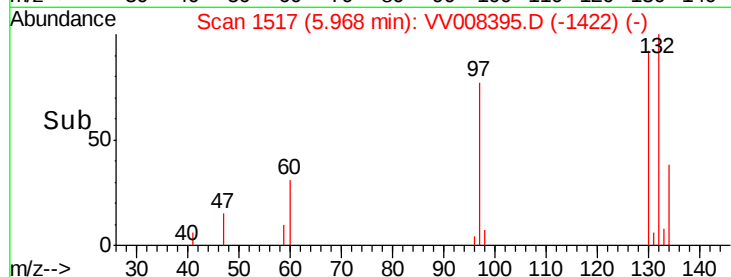
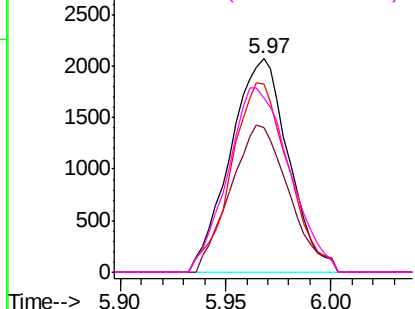
#34
 Trichloroethene
 Concen: 2.686 ug/L
 RT: 5.97 min Scan# 1517
 Delta R.T. 0.01 min
 Lab File: VV008395.D
 Acq: 24 Oct 2018 16:36

Instrument :
 MSVOA_V
 ClientSampled :
 MDL06

Tgt Ion: 95 Resp: 3975
 Ion Ratio Lower Upper
 95 100
 97 68.0 45.2 84.0
 132 88.4 63.8 118.6
 130 81.2 64.7 120.1

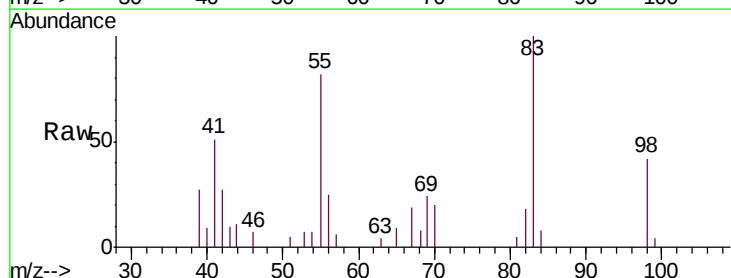


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

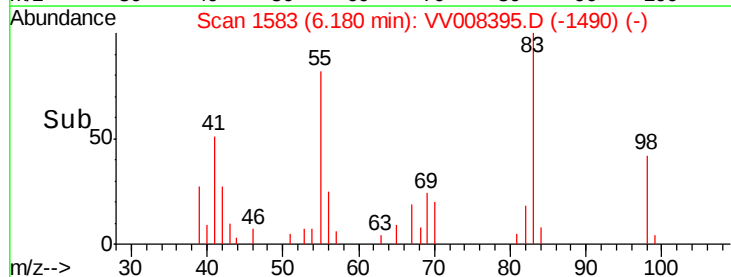
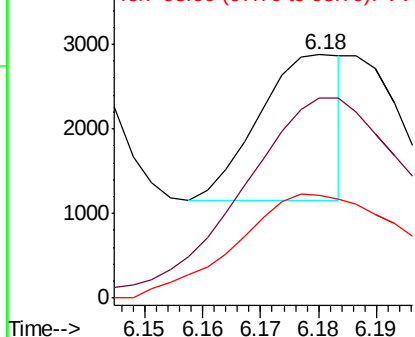


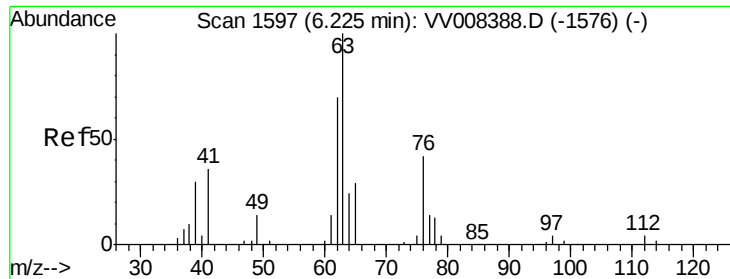
#35
 Methylcyclohexane
 Concen: 0.684 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VV008395.D
 Acq: 24 Oct 2018 16:36

Tgt Ion: 83 Resp: 1721
 Ion Ratio Lower Upper
 83 100
 55 290.4 65.0 97.4#
 98 151.7 36.0 54.0#



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

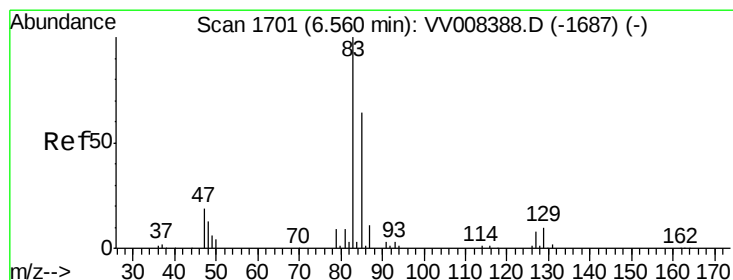
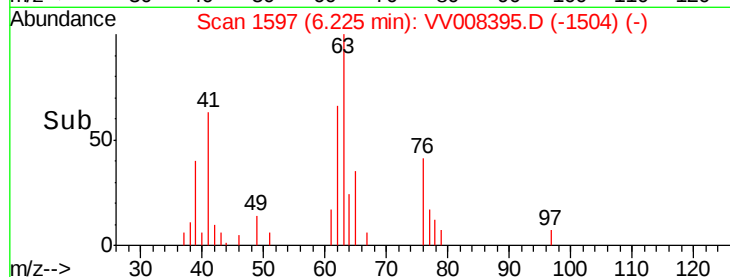
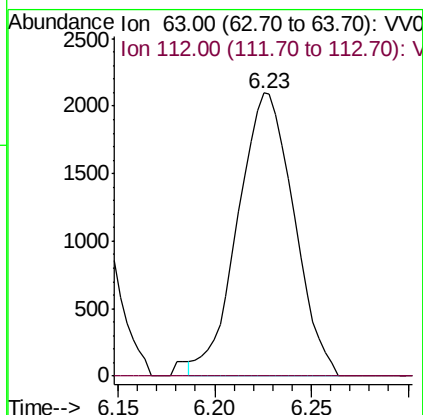
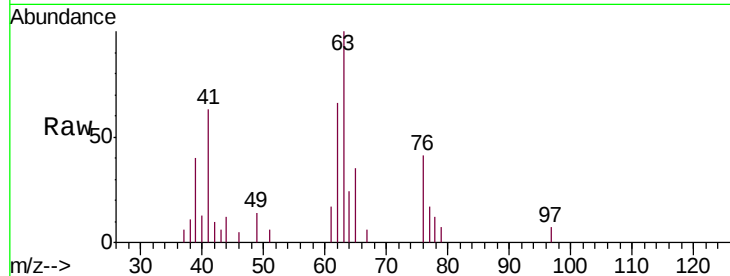




#37
 1,2-Dichloropropane
 Concen: 2.648 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. -0.00 min
 Lab File: VV008395.D
 Acq: 24 Oct 2018 16:36

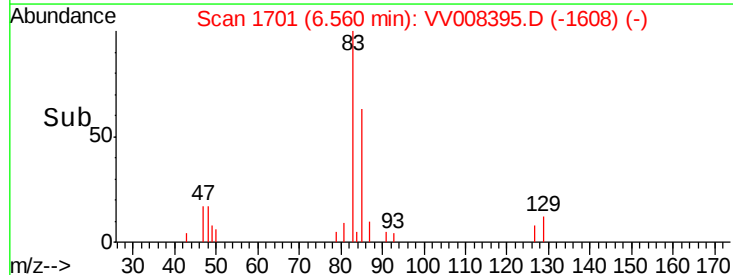
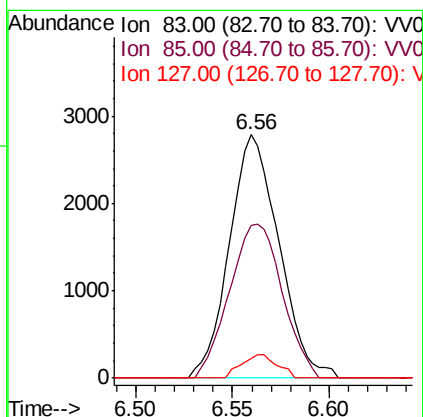
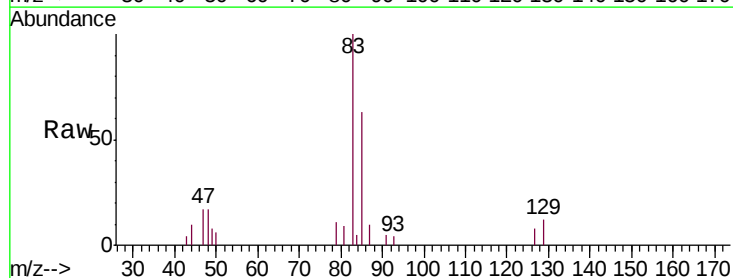
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

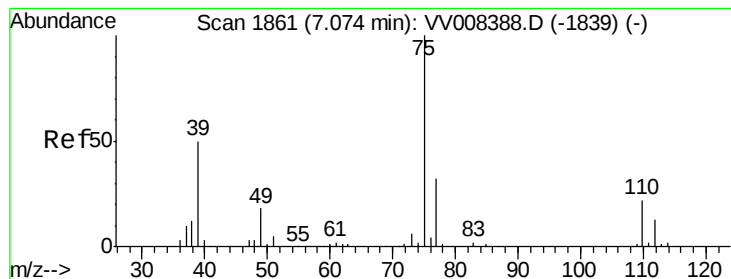
Tgt Ion: 63 Resp: 4227
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.9 4.3#



#38
 Bromodichloromethane
 Concen: 2.434 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. -0.00 min
 Lab File: VV008395.D
 Acq: 24 Oct 2018 16:36

Tgt Ion: 83 Resp: 4950
 Ion Ratio Lower Upper
 83 100
 85 62.9 44.3 82.3
 127 8.3 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 2.634 ug/L

RT: 7.08 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VV008395.D

Acq: 24 Oct 2018 16:36

Instrument :

MSVOA_V

ClientSampled :

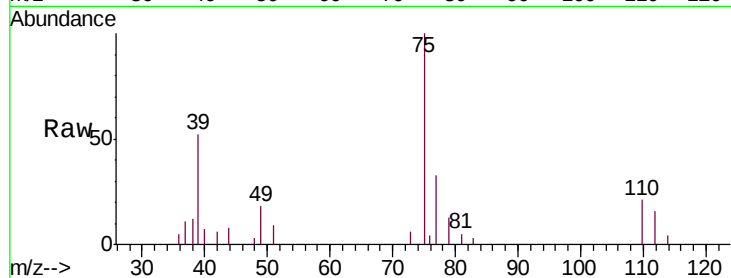
MDL06

Tgt Ion: 75 Resp: 6610

Ion Ratio Lower Upper

75 100

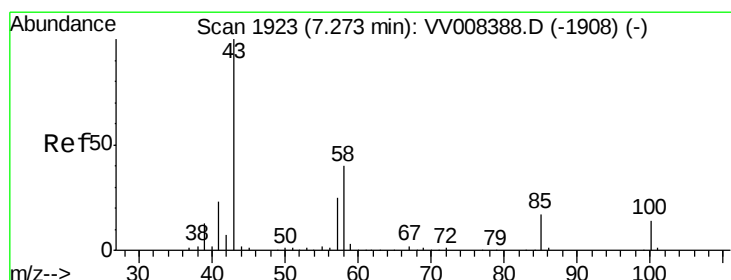
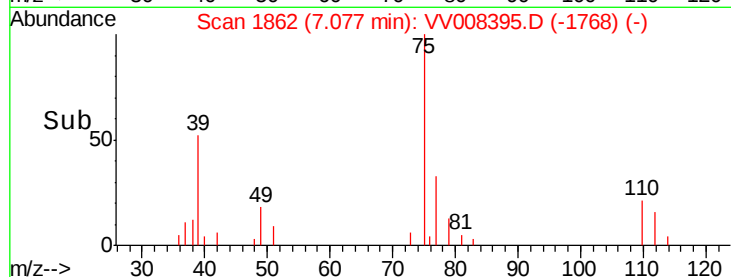
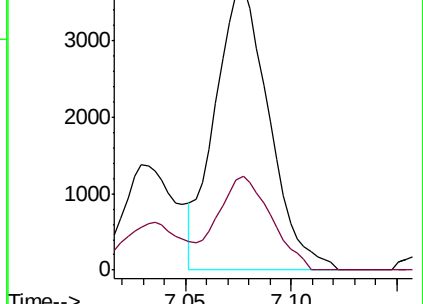
77 33.2 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VV008388.D (-1839) (-)

Ion 77.00 (76.70 to 77.70): VV008388.D (-1839) (-)

7.08



#40

4-Methyl-2-pentanone

Concen: 5.331 ug/L

RT: 7.28 min Scan# 1924

Delta R.T. 0.00 min

Lab File: VV008395.D

Acq: 24 Oct 2018 16:36

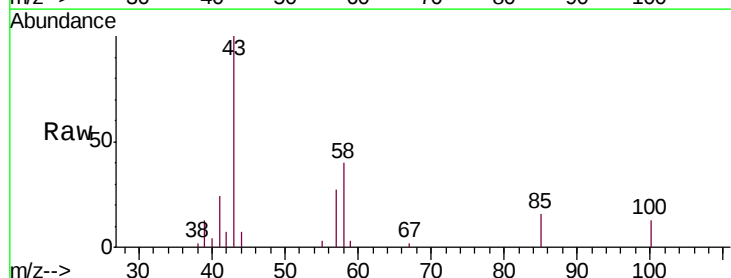
Tgt Ion: 43 Resp: 12602

Ion Ratio Lower Upper

43 100

58 36.0 30.9 46.3

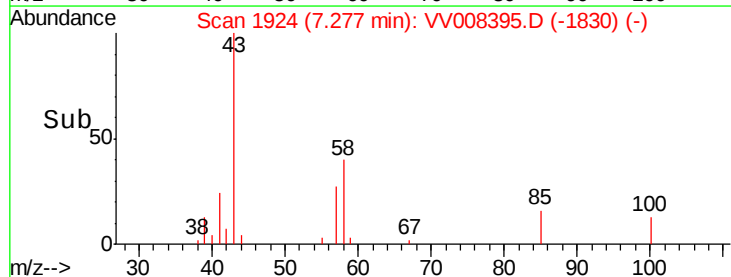
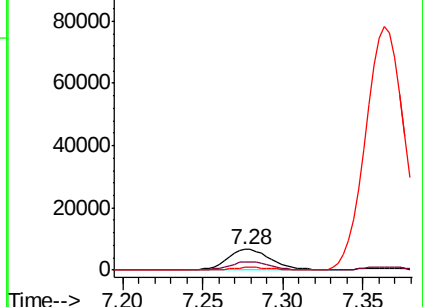
100 12.3 10.9 16.3

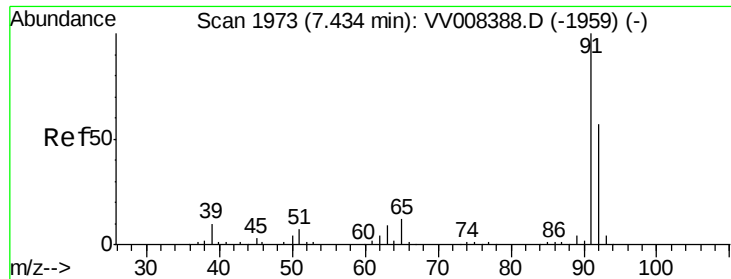


Abundance Ion 43.00 (42.70 to 43.70): VV008388.D (-1908) (-)

Ion 58.00 (57.70 to 58.70): VV008388.D (-1908) (-)

Ion 100.00 (99.70 to 100.70): VV008388.D (-1908) (-)





#42

Toluene

Concen: 2.670 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VV008395.D

Acq: 24 Oct 2018 16:36

Instrument :

MSVOA_V

ClientSampleId :

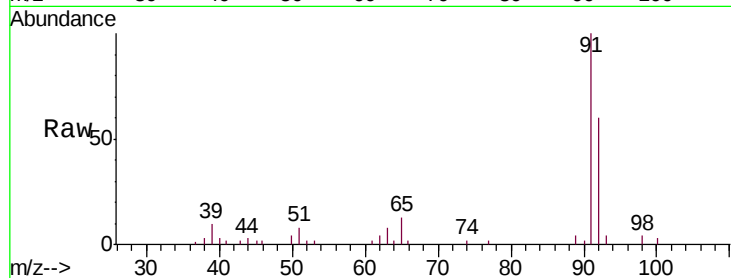
MDL06

Tgt Ion: 91 Resp: 16027

Ion Ratio Lower Upper

91 100

92 60.2 39.5 73.4



Abundance Ion 91.00 (90.70 to 91.70): VV008388.D (-1959) (-)

Ion 92.00 (91.70 to 92.70): VV008388.D (-1959) (-)

7.44

10000

8000

6000

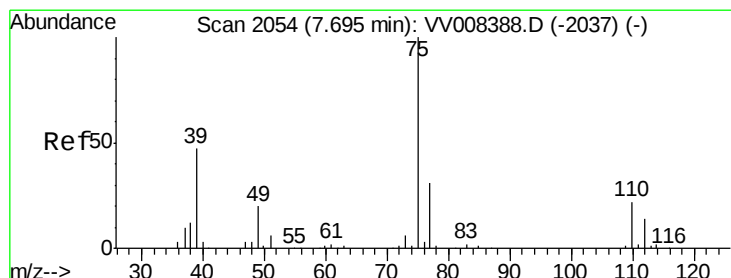
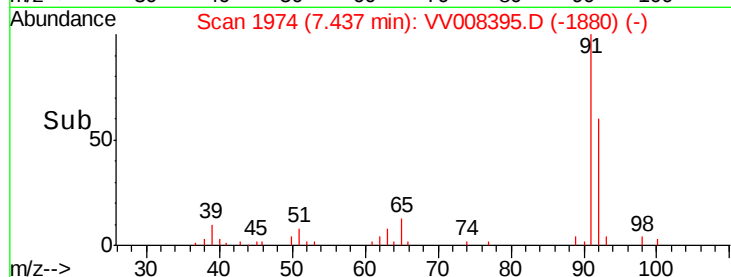
4000

2000

0

Time-->

7.40 7.45 7.50



#44

trans-1,3-Dichloropropene

Concen: 3.175 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008395.D

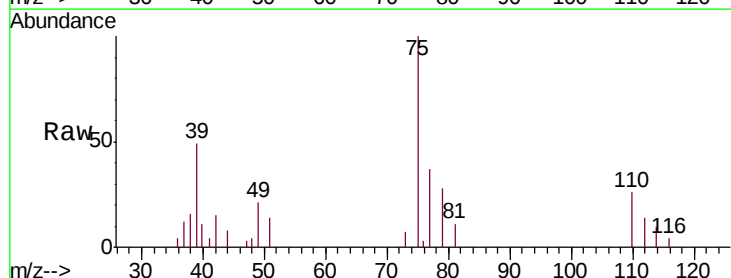
Acq: 24 Oct 2018 16:36

Tgt Ion: 75 Resp: 7454

Ion Ratio Lower Upper

75 100

77 36.7 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV008388.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV008388.D (-2037) (-)

7.70

4000

3000

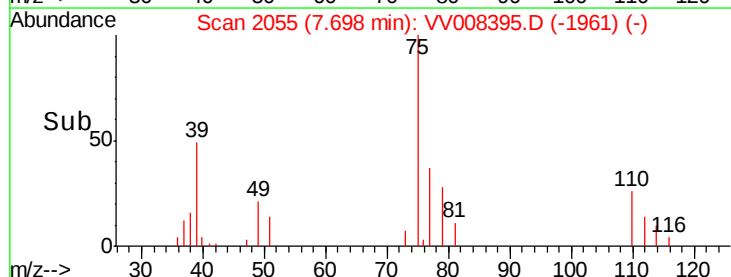
2000

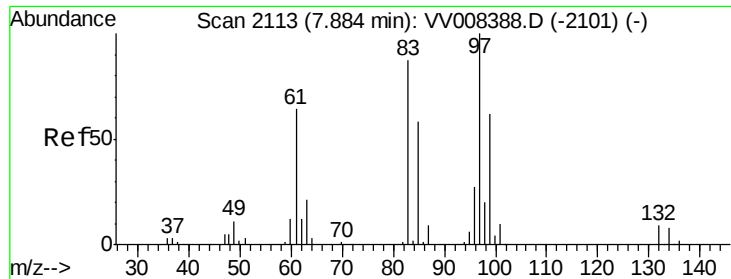
1000

0

Time-->

7.60 7.65 7.70 7.75

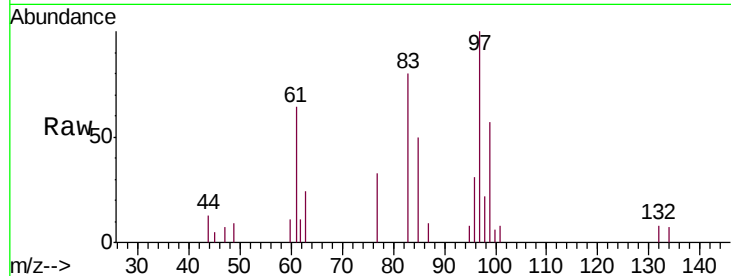




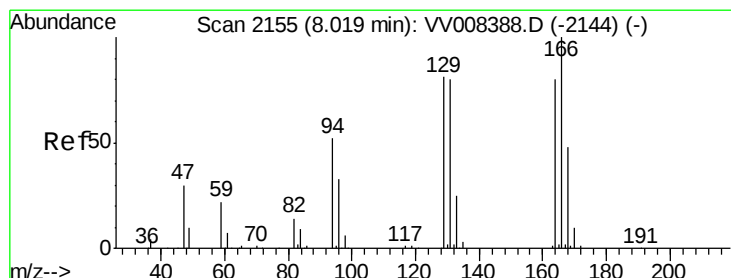
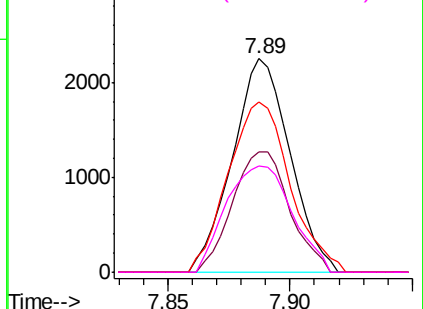
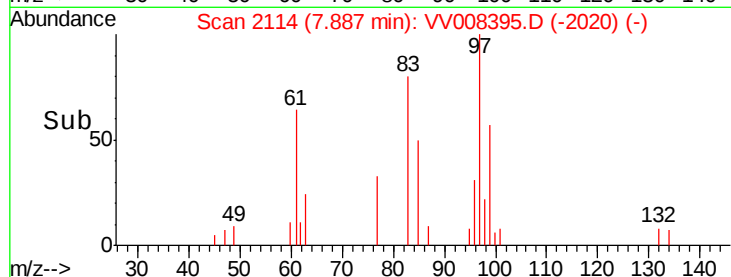
#45
 1,1,2-Trichloroethane
 Concen: 2.609 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV008395.D
 Acq: 24 Oct 2018 16:36

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tgt Ion:	97	Resp:	3682
Ion	Ratio	Lower	Upper
97	100		
99	56.6	43.3	80.3
83	80.0	61.9	114.9
85	50.0	40.9	75.9

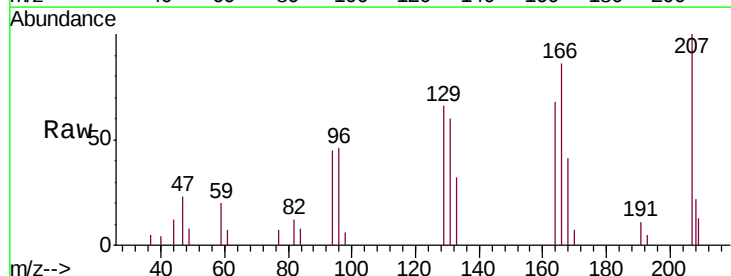


Abundance Ion 97.00 (96.70 to 97.70): VV008395.D (-2020) (-)

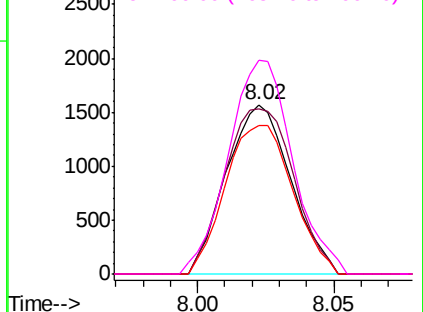
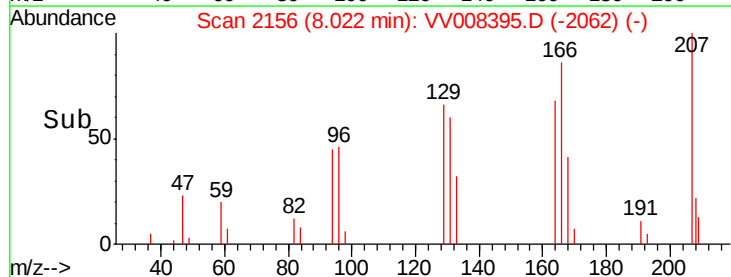


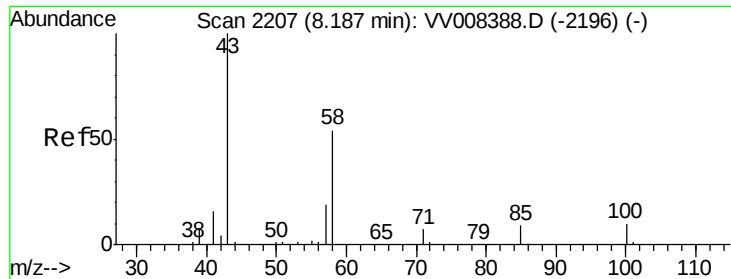
#46
 Tetrachloroethene
 Concen: 2.671 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VV008395.D
 Acq: 24 Oct 2018 16:36

Tgt Ion:	164	Resp:	2577
Ion	Ratio	Lower	Upper
164	100		
129	97.8	75.0	139.2
131	87.9	71.3	132.3
166	126.0	89.2	165.6



Abundance Ion 164.00 (163.70 to 164.70): VV008395.D (-2062) (-)

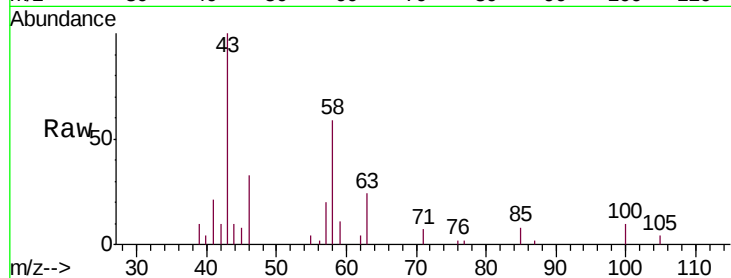




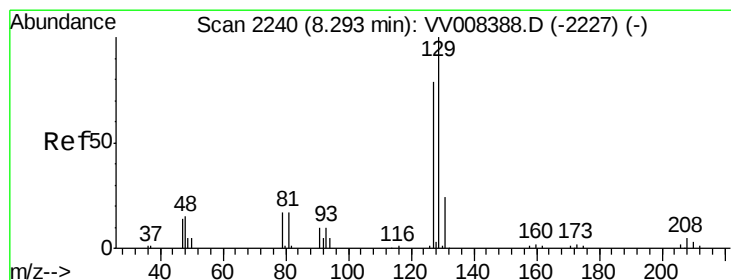
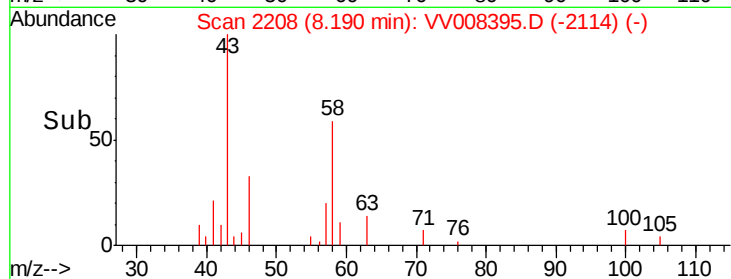
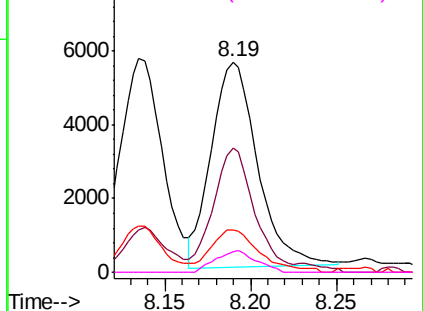
#48
2-Hexanone
Concen: 5.787 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV008395.D
Acq: 24 Oct 2018 16:36

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tgt Ion:	43	Resp:	10555
Ion	Ratio	Lower	Upper
43	100		
58	48.1	42.6	63.8
57	18.3	14.8	22.2
100	9.1	8.5	12.7

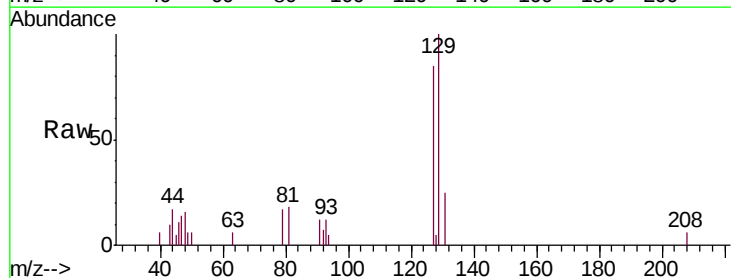


Abundance Ion 43.00 (42.70 to 43.70): VV008388.D (-2196) (-)
Ion 58.00 (57.70 to 58.70): VV008388.D (-2196) (-)
Ion 57.00 (56.70 to 57.70): VV008388.D (-2196) (-)
Ion 100.00 (99.70 to 100.70): VV008388.D (-2196) (-)

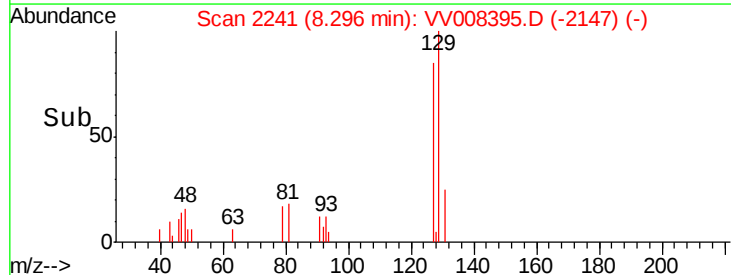
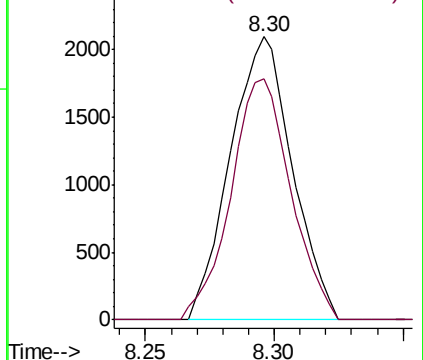


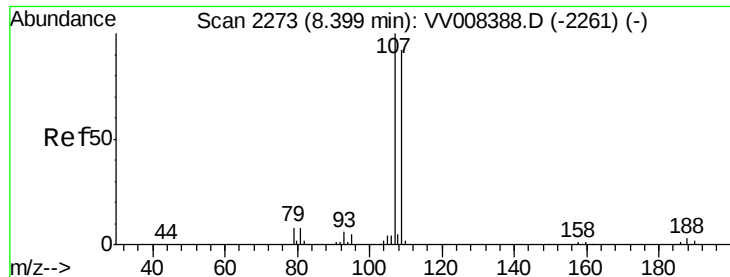
#49
Dibromochloromethane
Concen: 2.321 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV008395.D
Acq: 24 Oct 2018 16:36

Tgt Ion:	129	Resp:	3520
Ion	Ratio	Lower	Upper
129	100		
127	90.1	54.9	101.9



Abundance Ion 129.00 (128.70 to 129.70): VV008388.D (-2227) (-)
Ion 127.00 (126.70 to 127.70): VV008388.D (-2227) (-)

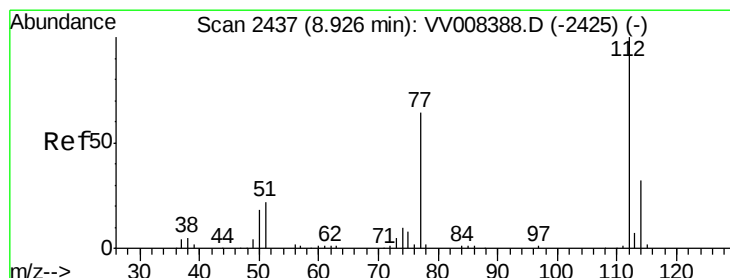
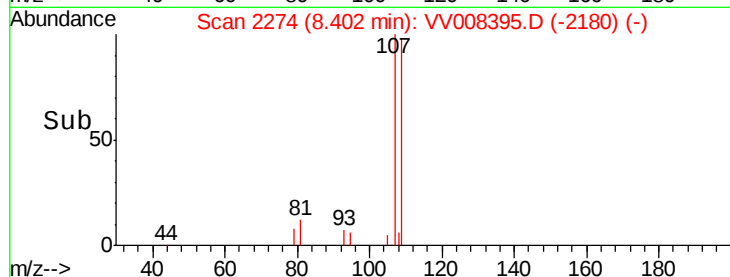
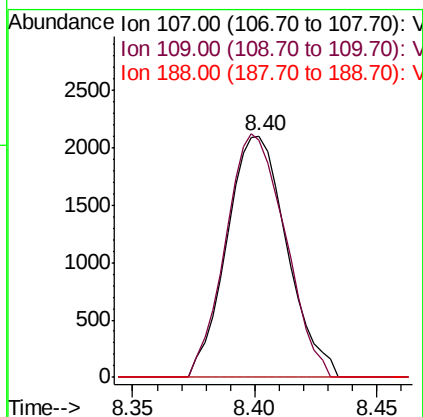
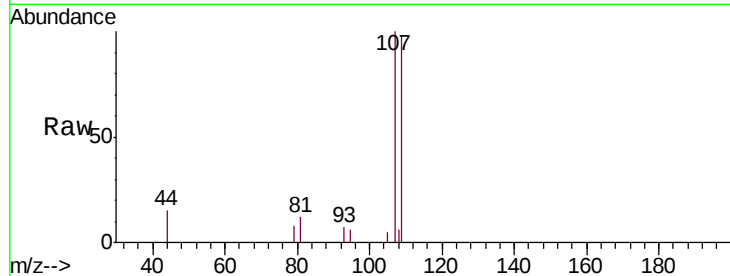




#50
1,2-Dibromoethane
Concen: 2.432 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VV008395.D
Acq: 24 Oct 2018 16:36

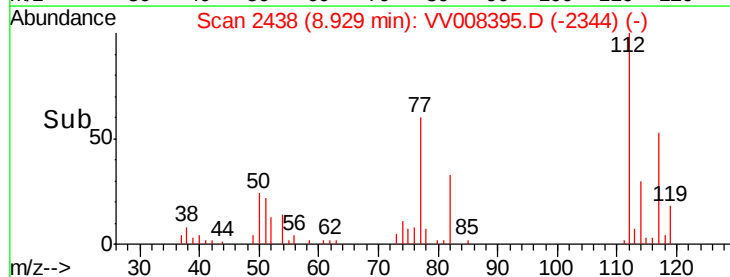
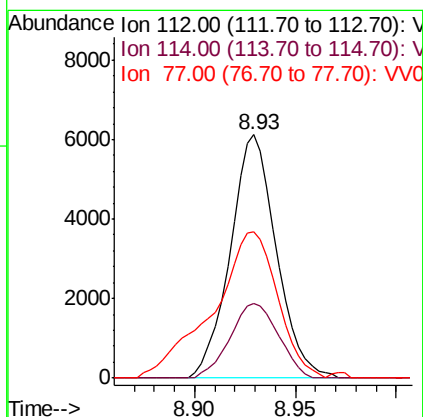
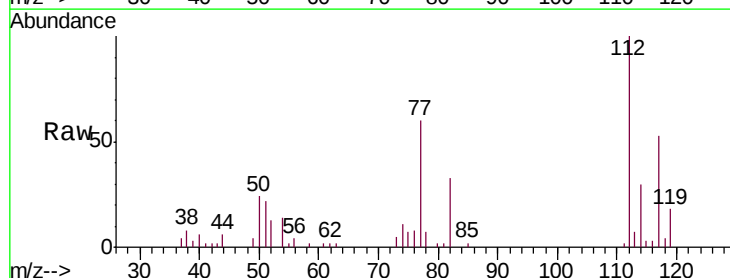
Instrument :
MSVOA_V
ClientSampled :
MDL06

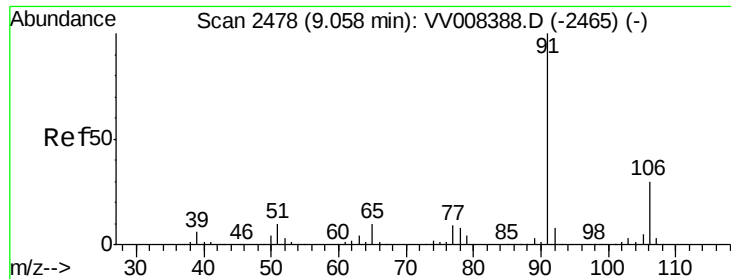
Tgt Ion:107 Resp: 3601
Ion Ratio Lower Upper
107 100
109 98.2 65.2 121.2
188 0.0 2.3 3.5#



#51
Chlorobenzene
Concen: 2.646 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV008395.D
Acq: 24 Oct 2018 16:36

Tgt Ion:112 Resp: 9781
Ion Ratio Lower Upper
112 100
114 30.5 22.5 41.7
77 60.4 52.0 78.0





#52

Ethylbenzene

Concen: 2.587 ug/L

RT: 9.06 min Scan# 2479

Delta R.T. 0.00 min

Lab File: VV008395.D

Acq: 24 Oct 2018 16:36

Instrument :

MSVOA_V

ClientSampleId :

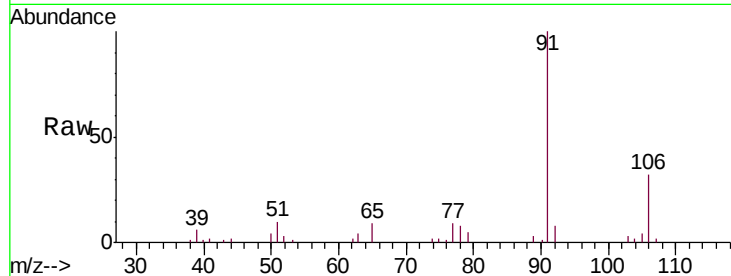
MDL06

Tgt Ion: 91 Resp: 17400

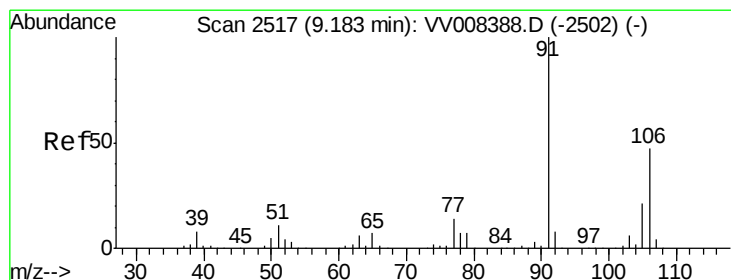
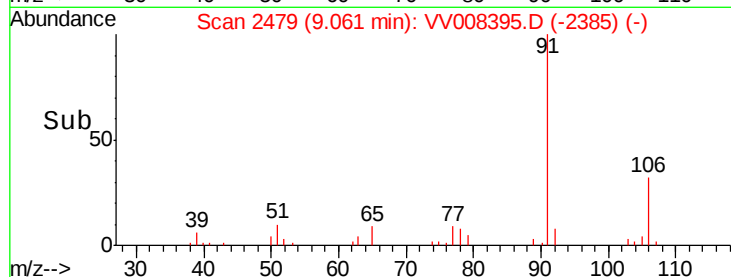
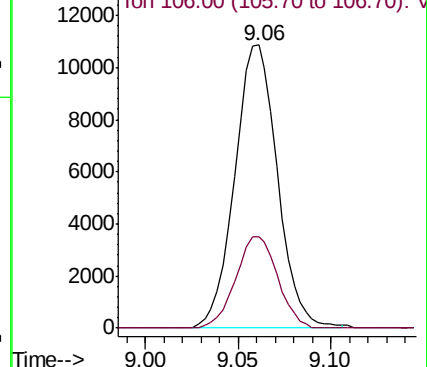
Ion Ratio Lower Upper

91 100

106 32.4 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV008388.D (-2465) (-)



#53

m,p-Xylene

Concen: 2.478 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV008395.D

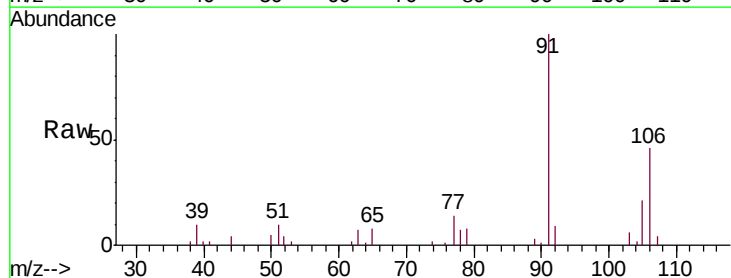
Acq: 24 Oct 2018 16:36

Tgt Ion: 106 Resp: 6089

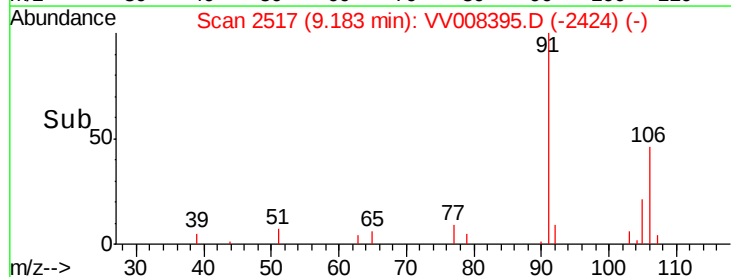
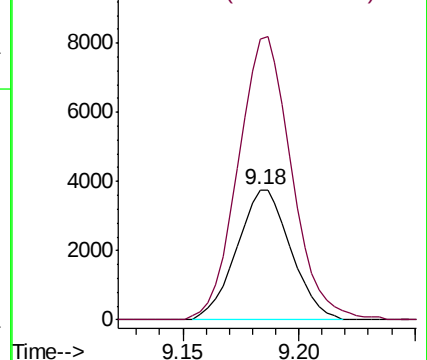
Ion Ratio Lower Upper

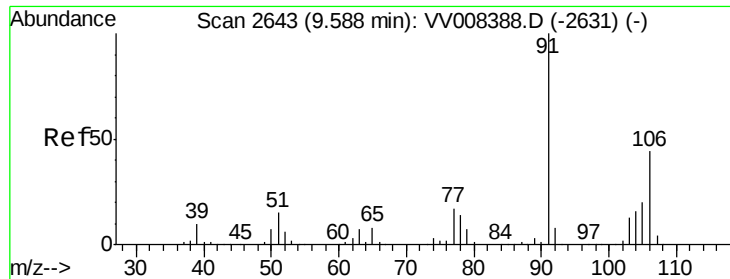
106 100

91 215.4 150.0 278.6



Abundance Ion 106.00 (105.70 to 106.70): VV008388.D (-2502) (-)

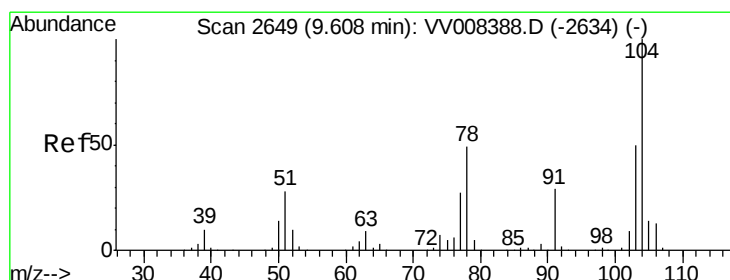
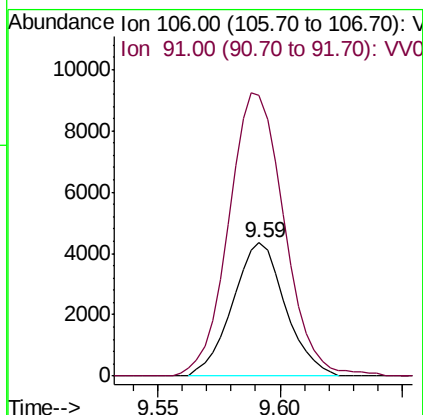
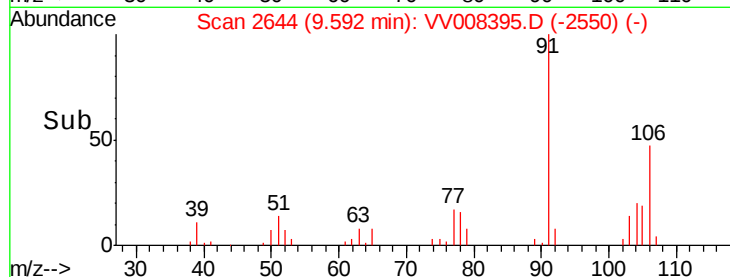
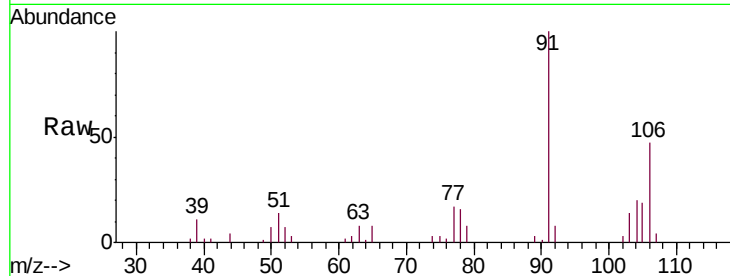




#54
o-xylene
Concen: 2.661 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VV008395.D
Acq: 24 Oct 2018 16:36

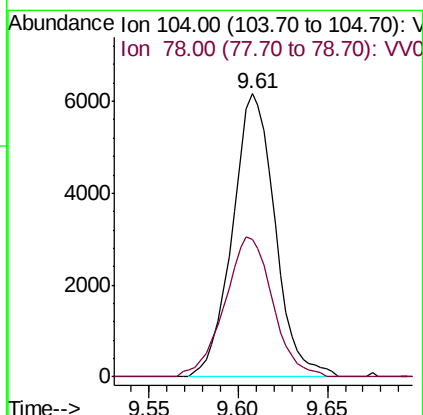
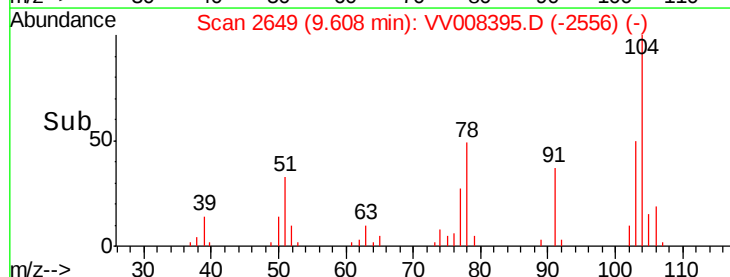
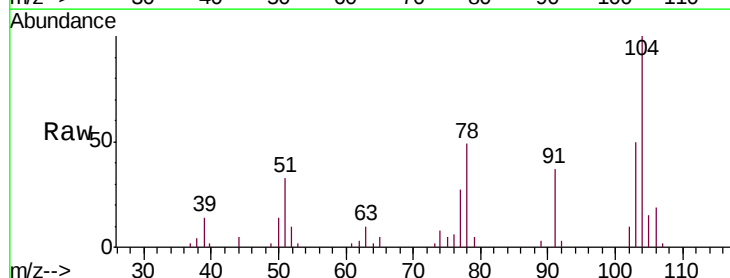
Instrument :
MSVOA_V
ClientSampled :
MDL06

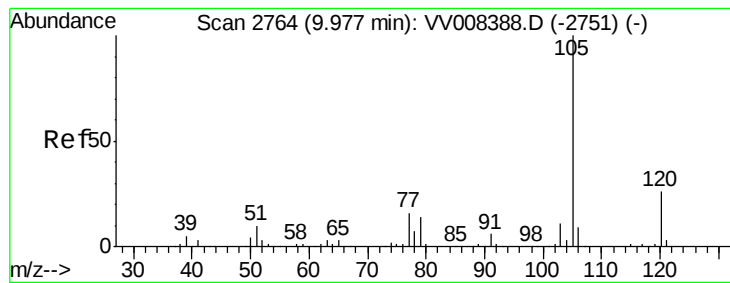
Tgt Ion:106 Resp: 6529
Ion Ratio Lower Upper
106 100
91 211.2 158.7 294.7



#55
Styrene
Concen: 2.479 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. -0.00 min
Lab File: VV008395.D
Acq: 24 Oct 2018 16:36

Tgt Ion:104 Resp: 10248
Ion Ratio Lower Upper
104 100
78 48.8 34.4 64.0





#56

Isopropylbenzene

Concen: 2.507 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV008395.D

Acq: 24 Oct 2018 16:36

Instrument :

MSVOA_V

ClientSampleId :

MDL06

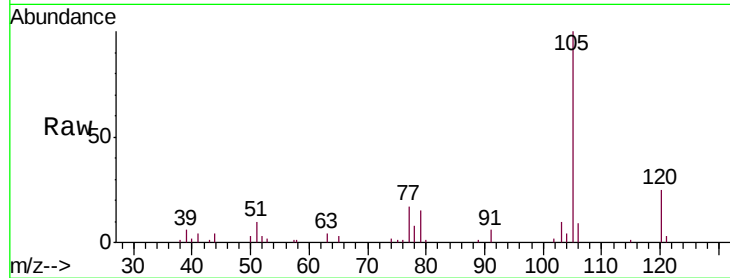
Tgt Ion:105 Resp: 16094

Ion Ratio Lower Upper

105 100

120 25.3 20.7 31.1

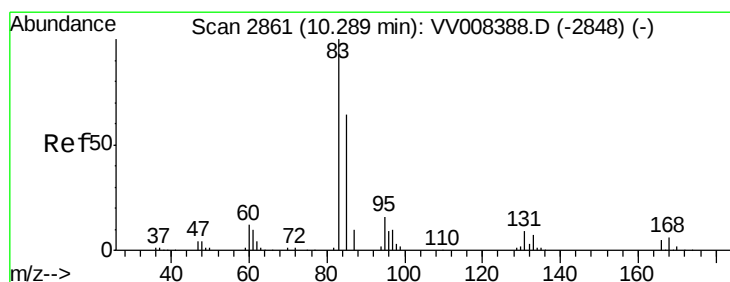
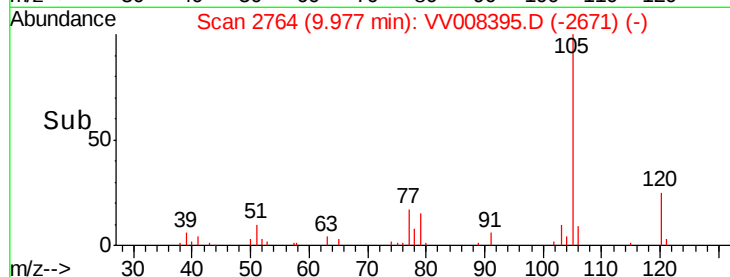
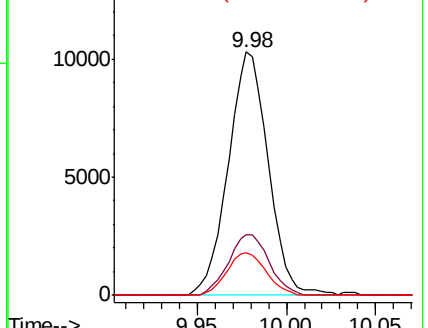
77 17.3 13.5 20.3



Abundance Ion 105.00 (104.70 to 105.70): VV008388.D (-2751) (-)

Ion 120.00 (119.70 to 120.70): VV008388.D (-2751) (-)

Ion 77.00 (76.70 to 77.70): VV008388.D (-2751) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 2.823 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV008395.D

Acq: 24 Oct 2018 16:36

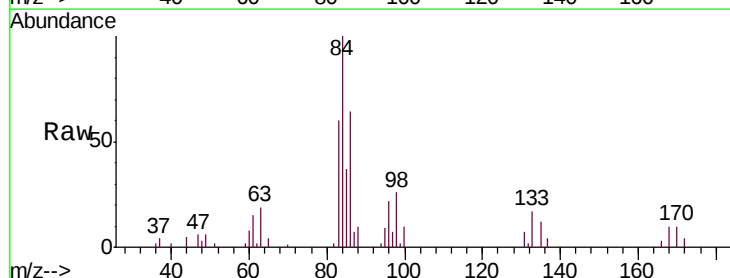
Tgt Ion: 83 Resp: 6978

Ion Ratio Lower Upper

83 100

85 60.9 45.8 85.2

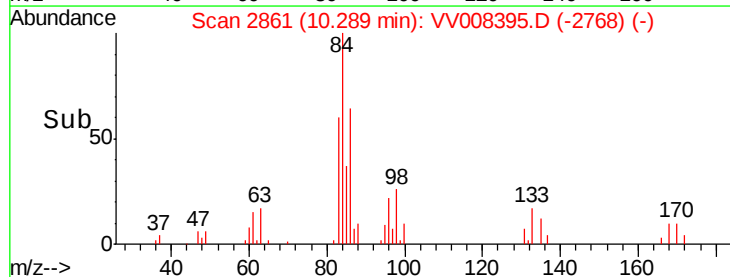
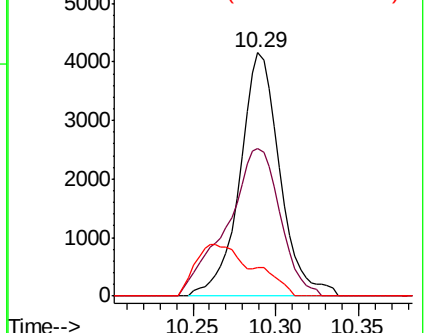
131 11.8 7.3 10.9#

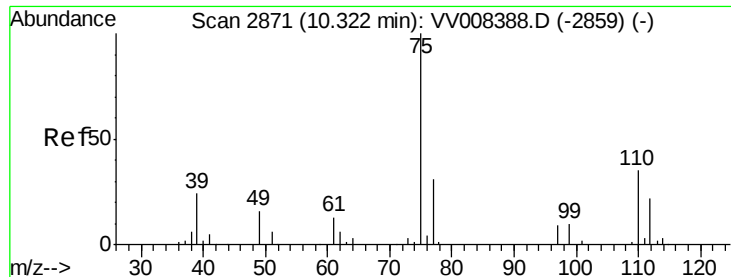


Abundance Ion 83.00 (82.70 to 83.70): VV008388.D (-2848) (-)

Ion 85.00 (84.70 to 85.70): VV008388.D (-2848) (-)

Ion 131.00 (130.70 to 131.70): VV008388.D (-2848) (-)

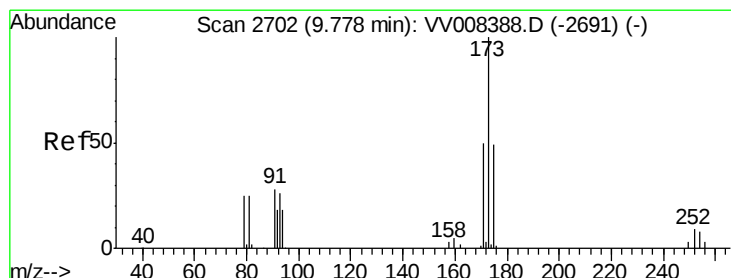
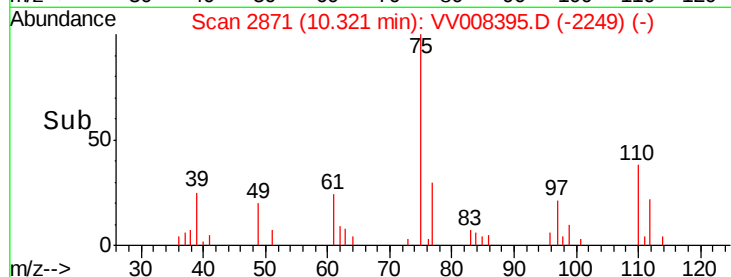
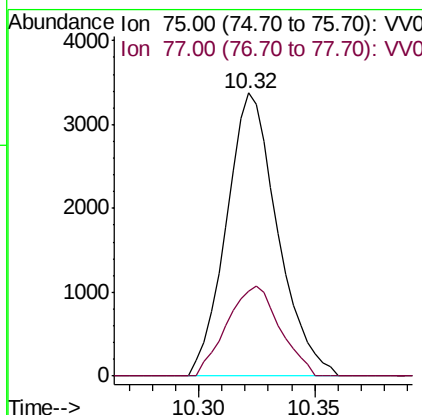
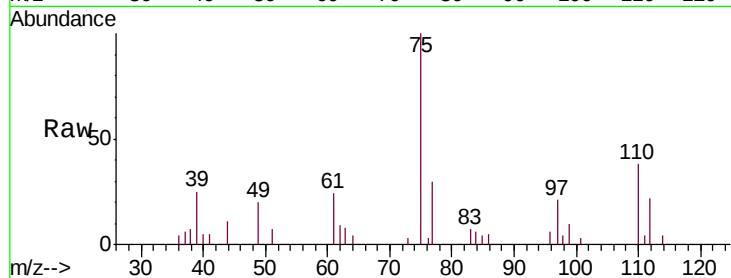




#59
 1,2,3-Trichloropropane
 Concen: 2.587 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV008395.D
 Acq: 24 Oct 2018 16:36

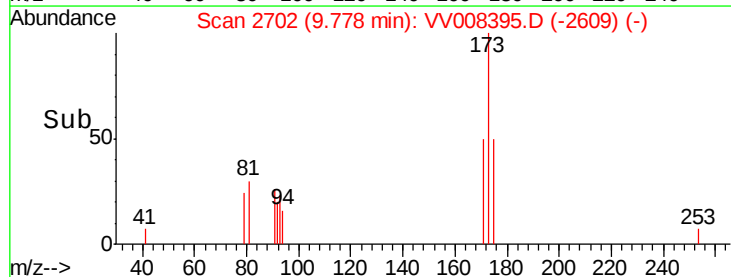
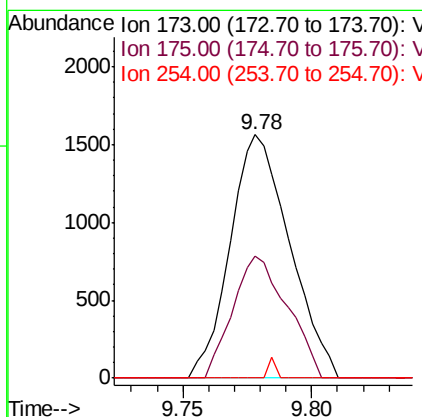
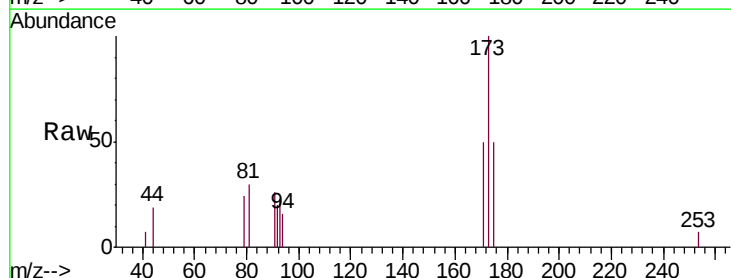
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

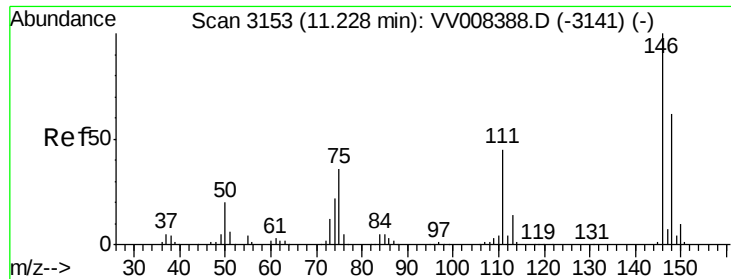
Tgt Ion: 75 Resp: 5176
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.8 38.8



#61
 Bromoform
 Concen: 2.633 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. -0.00 min
 Lab File: VV008395.D
 Acq: 24 Oct 2018 16:36

Tgt Ion: 173 Resp: 2510
 Ion Ratio Lower Upper
 173 100
 175 45.9 38.6 57.8
 254 0.0 5.9 8.9#





#62

1,3-Dichlorobenzene

Concen: 2.598 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV008395.D

Acq: 24 Oct 2018 16:36

Instrument :

MSVOA_V

ClientSampleId :

MDL06

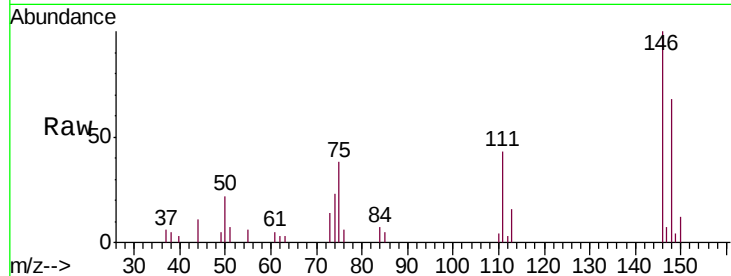
Tgt Ion:146 Resp: 6488

Ion Ratio Lower Upper

146 100

111 42.5 30.9 57.3

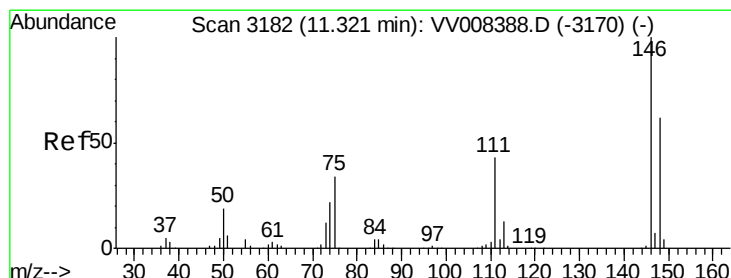
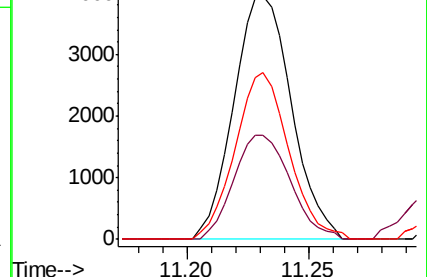
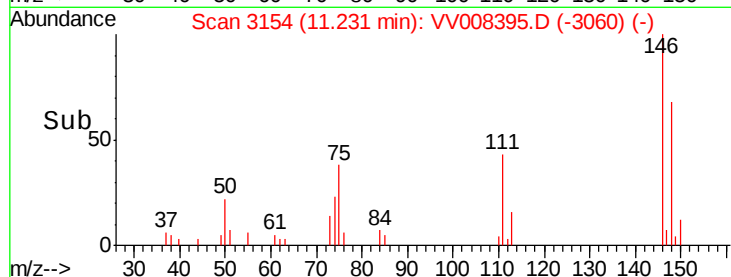
148 68.4 44.1 81.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 2.722 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV008395.D

Acq: 24 Oct 2018 16:36

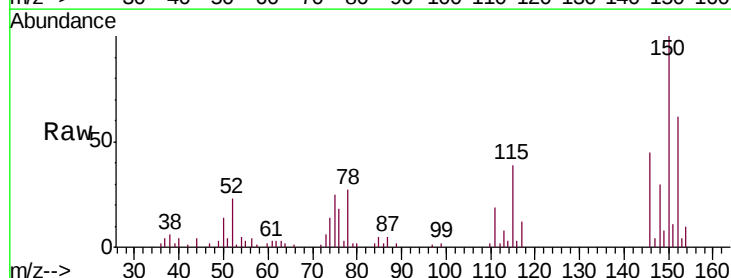
Tgt Ion:146 Resp: 6814

Ion Ratio Lower Upper

146 100

111 43.0 29.8 55.4

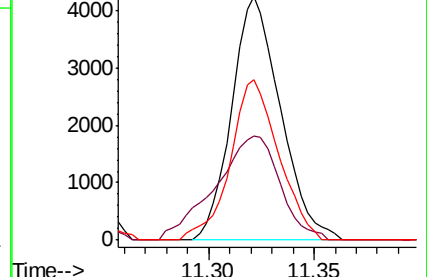
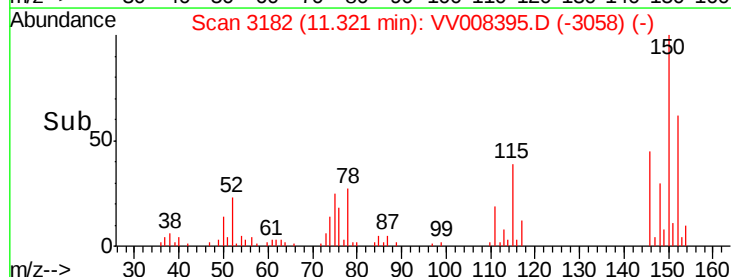
148 65.8 44.4 82.5

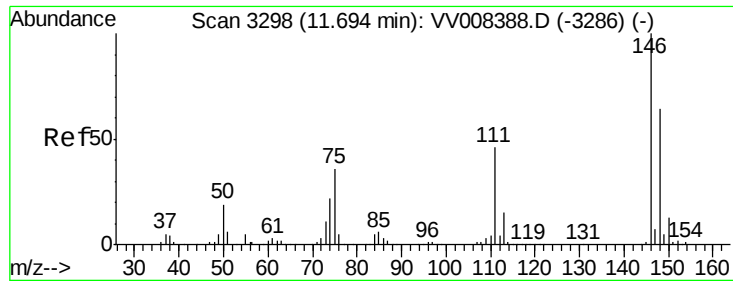


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 2.727 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VV008395.D

Acq: 24 Oct 2018 16:36

Instrument :

MSVOA_V

ClientSampled :

MDL06

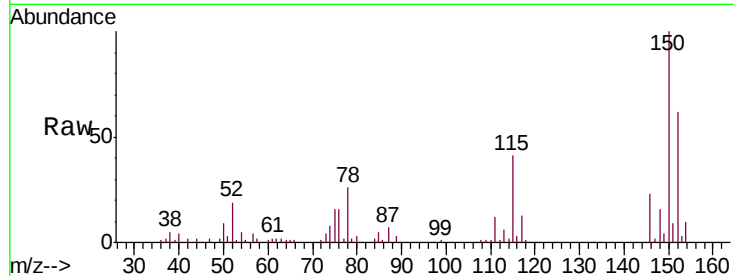
Tgt Ion:146 Resp: 6946

Ion Ratio Lower Upper

146 100

111 51.0 36.2 54.2

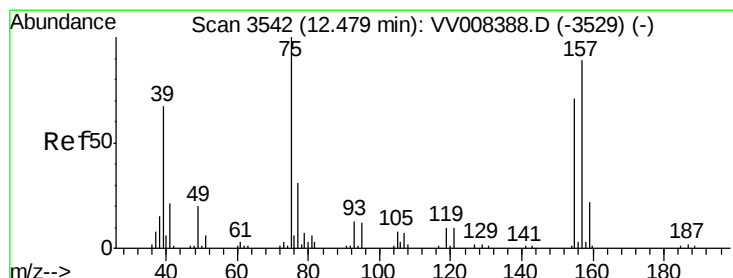
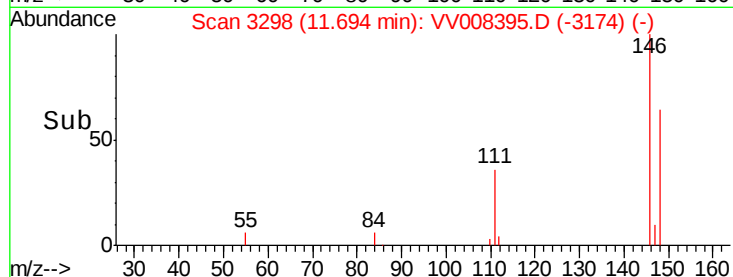
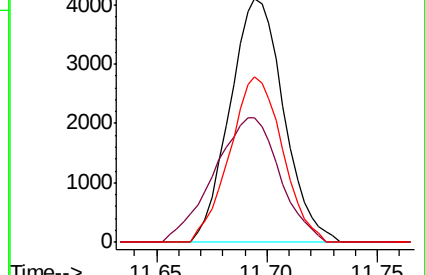
148 68.2 50.3 75.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 2.393 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. 0.00 min

Lab File: VV008395.D

Acq: 24 Oct 2018 16:36

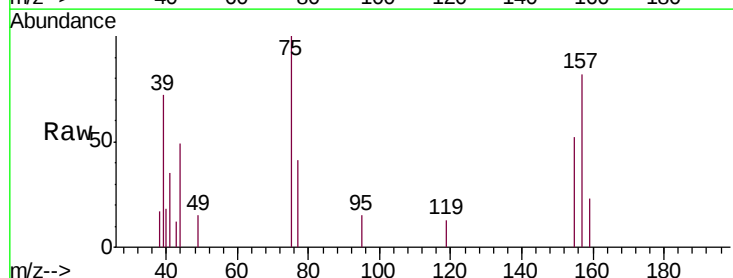
Tgt Ion: 75 Resp: 1253

Ion Ratio Lower Upper

75 100

155 52.0 55.4 83.0#

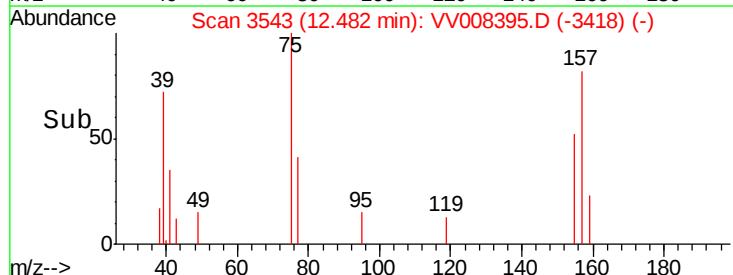
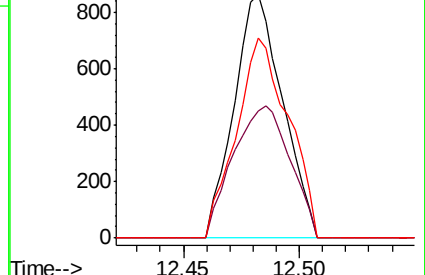
157 81.9 72.8 109.2

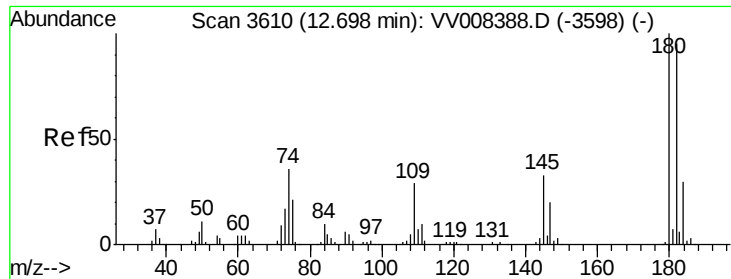


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

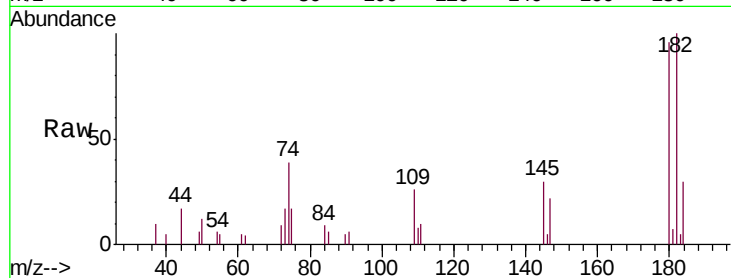




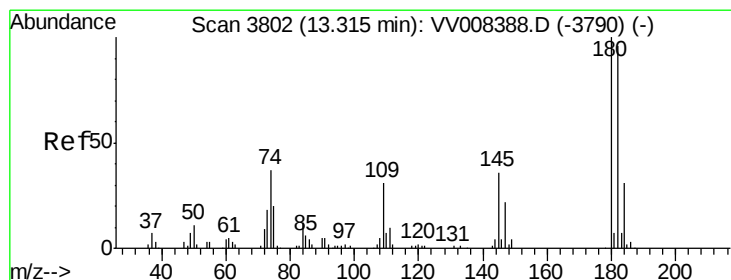
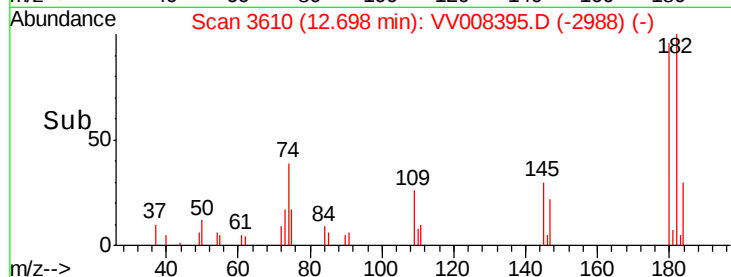
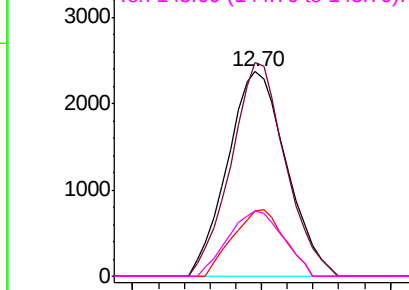
#67
 1,3,5-Trichlorobenzene
 Concen: 2.317 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VV008395.D
 Acq: 24 Oct 2018 16:36

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tgt Ion:180 Resp: 3778
 Ion Ratio Lower Upper
 180 100
 182 96.4 75.9 113.9
 184 28.4 24.1 36.1
 145 29.9 26.8 40.2

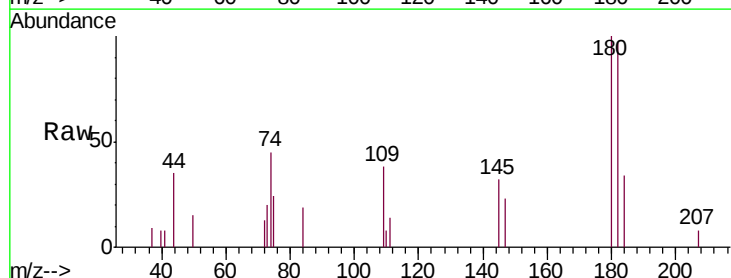


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

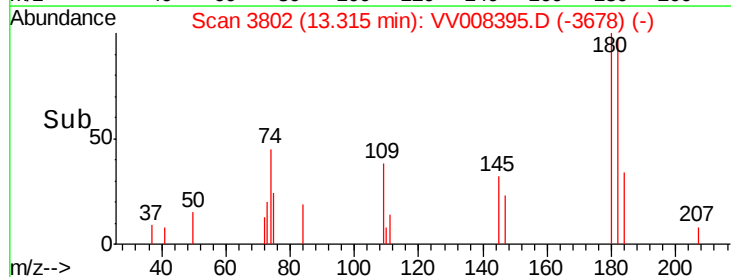
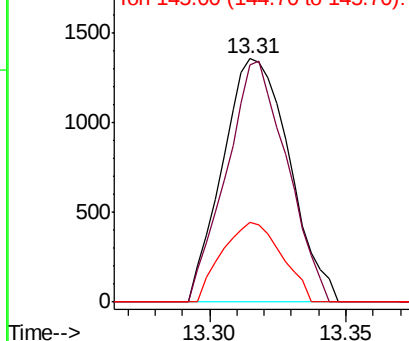


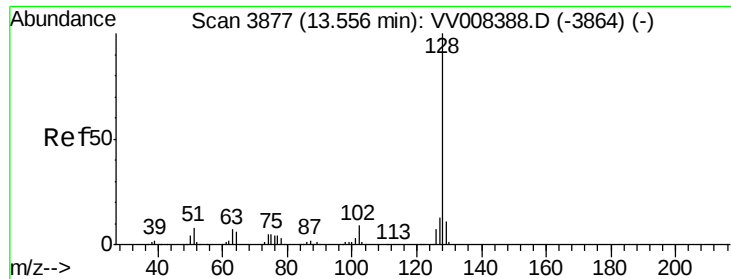
#68
 1,2,4-trichlorobenzene
 Concen: 1.746 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. -0.00 min
 Lab File: VV008395.D
 Acq: 24 Oct 2018 16:36

Tgt Ion:180 Resp: 2303
 Ion Ratio Lower Upper
 180 100
 182 89.7 75.4 113.2
 145 29.2 27.0 40.6



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





#69

Naphthalene

Concen: 1.482 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. 0.00 min

Lab File: VV008395.D

Acq: 24 Oct 2018 16:36

Instrument :

MSVOA_V

ClientSampleId :

MDL06

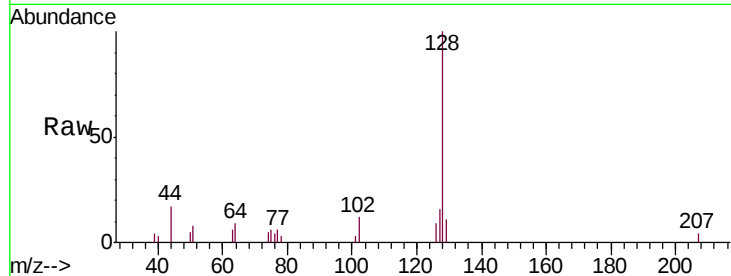
Tgt Ion:128 Resp: 6321

Ion Ratio Lower Upper

128 100

127 12.6 10.6 15.8

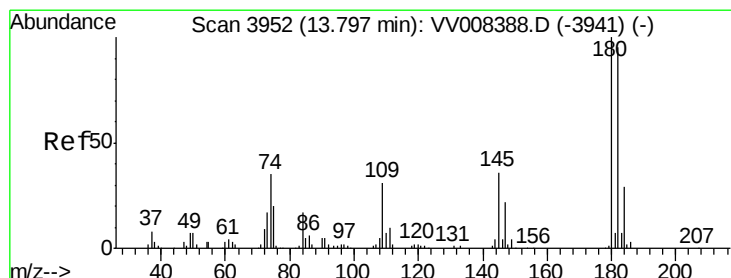
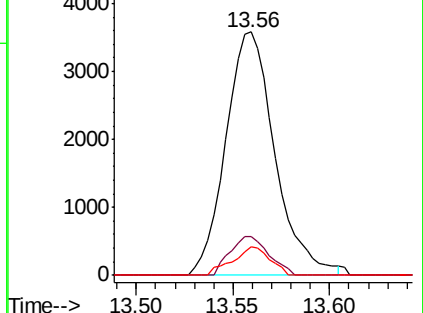
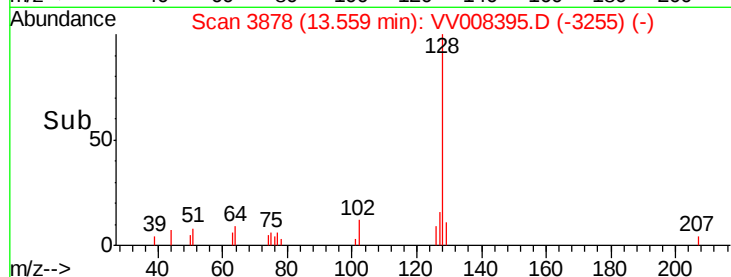
129 8.8 8.9 13.3#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 1.962 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. 0.00 min

Lab File: VV008395.D

Acq: 24 Oct 2018 16:36

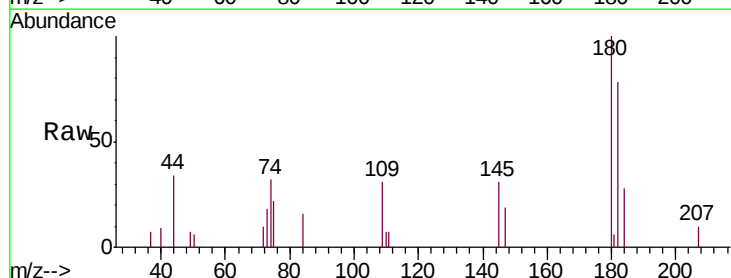
Tgt Ion:180 Resp: 2587

Ion Ratio Lower Upper

180 100

182 85.1 75.7 113.5

145 29.7 28.6 43.0



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

