

Data File : VV007855.D
Acq On : 25 Sep 2018 14:46
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05076

Quant Time: Sep 26 04:48:31 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092518WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 26 04:43:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	199650	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	198162	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	112401	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	60415	48.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.56%
7) Chloroethane-d5	1.59	69	52953	49.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.00%
11) 1,1-Dichloroethene-d2	2.14	63	128882	48.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.66%
21) 2-Butanone-d5	3.95	46	83860	99.42	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.42%
24) Chloroform-d	4.41	84	130987	50.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.78%
26) 1,2-Dichloroethane-d4	5.09	65	95400	51.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.92%
32) Benzene-d6	5.10	84	266076	50.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.28%
36) 1,2-Dichloropropane-d6	6.12	67	82237	49.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.96%
41) Toluene-d8	7.36	98	270818	50.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.26%
43) trans-1,3-Dichloropropene-	7.67	79	41652	52.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.28%
47) 2-Hexanone-d5	8.14	63	73780	105.12	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.12%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	127471	51.96	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.92%
64) 1,2-Dichlorobenzene-d4	11.68	152	124383	49.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.56%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	70910	49.175 ug/L	99
3) Chloromethane	1.26	50	66955	49.164 ug/L	99
5) Vinyl chloride	1.33	62	69707	47.687 ug/L	98
6) Bromomethane	1.54	94	40777	50.374 ug/L	99
8) Chloroethane	1.60	64	42929	47.084 ug/L	99
9) Trichlorofluoromethane	1.78	101	117232	47.864 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	65899	48.143 ug/L	97
12) 1,1-Dichloroethene	2.15	96	58688	47.777 ug/L	100
13) Acetone	2.19	43	86917	85.535 ug/L	100
14) Carbon disulfide	2.33	76	157622	49.182 ug/L	100
15) Methyl Acetate	2.46	43	75793	50.845 ug/L	100
16) Methylene chloride	2.54	84	67157	49.405 ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	63564	48.502 ug/L	99
18) Methyl tert-butyl Ether	2.81	73	205203	50.254 ug/L	100
19) 1,1-Dichloroethane	3.23	63	107397	47.754 ug/L	99
20) cis-1,2-Dichloroethene	3.97	96	70613	49.728 ug/L	99
22) 2-Butanone	4.03	43	108364	93.062 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	36714	49.694	ug/L	98
25) Chloroform	4.43	83	131601	49.302	ug/L	99
27) 1,2-Dichloroethane	5.19	62	103833	49.081	ug/L	100
29) Cyclohexane	4.73	56	101762	48.020	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	108652	48.410	ug/L	99
31) Carbon tetrachloride	4.88	117	97296	49.067	ug/L	99
33) Benzene	5.15	78	264362	49.611	ug/L	100
34) Trichloroethene	5.96	95	72102	48.779	ug/L	97
35) Methylcyclohexane	6.18	83	113724	49.041	ug/L	99
37) 1,2-Dichloropropane	6.23	63	69205	48.699	ug/L	100
38) Bromodichloromethane	6.56	83	90679	50.417	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	109927	53.283	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	203387	101.277	ug/L	99
42) Toluene	7.43	91	299500	49.885	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	106210	51.796	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	71340	50.235	ug/L	100
46) Tetrachloroethene	8.02	164	67675	47.646	ug/L	99
48) 2-Hexanone	8.19	43	158561	99.899	ug/L	98
49) Dibromochloromethane	8.30	129	79217	51.015	ug/L	97
50) 1,2-Dibromoethane	8.40	107	76138	49.862	ug/L	100
51) Chlorobenzene	8.93	112	205889	49.545	ug/L	99
52) Ethylbenzene	9.06	91	340759	50.246	ug/L	100
53) m,p-Xylene	9.19	106	129192	50.000	ug/L	99
54) o-xylene	9.59	106	126870	50.548	ug/L	100
55) Styrene	9.61	104	223742	52.044	ug/L	97
56) Isopropylbenzene	9.98	105	342576	50.076	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	119094	51.315	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	95634	50.552	ug/L	100
61) Bromoform	9.78	173	60144	50.741	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	177141	50.369	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	183635	49.136	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	181222	49.656	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	24208	50.697	ug/L	94
67) 1,3,5-Trichlorobenzene	12.70	180	147605	49.783	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	129634	51.821	ug/L	100
69) Naphthalene	13.56	128	333811	54.549	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	132581	52.343	ug/L	99

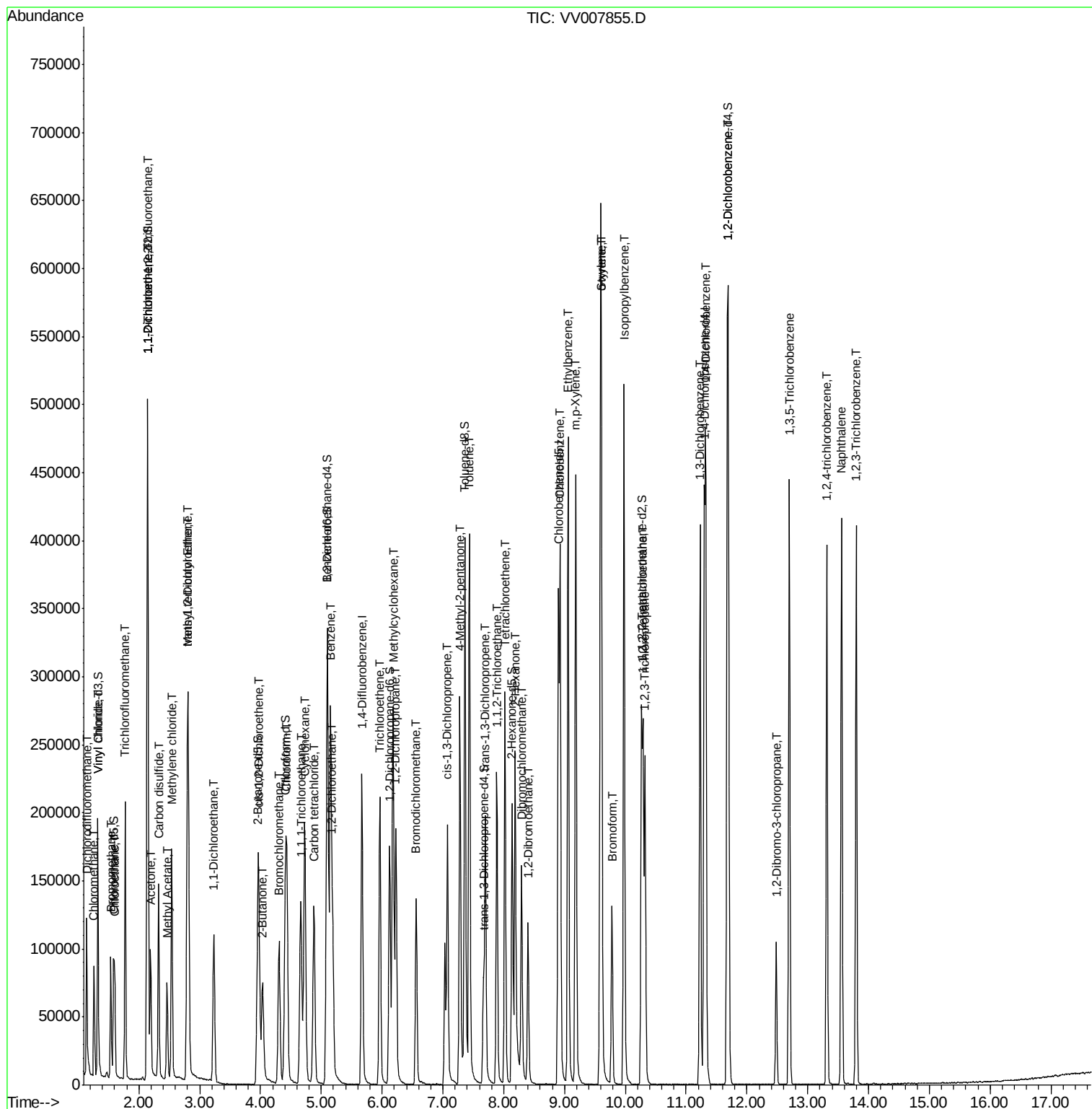
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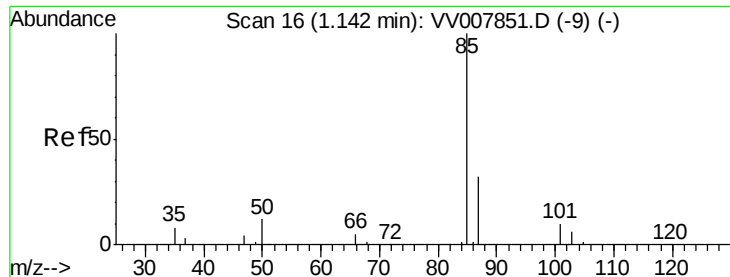
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#2

Dichlorodifluoromethane

Concen: 49.175 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.00 min

Lab File: VV007855.D

Acq: 25 Sep 2018 14:46

Instrument :

MSVOA_V

ClientSampleId :

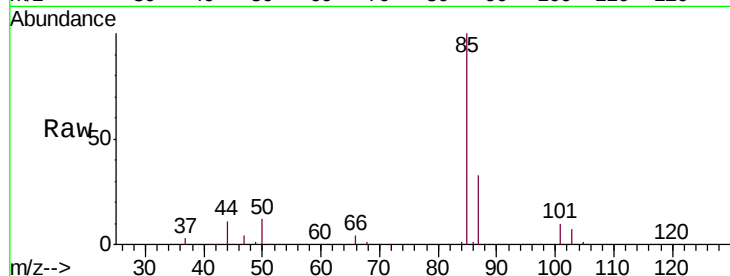
VSTD05076

Tgt Ion: 85 Resp: 70910

Ion Ratio Lower Upper

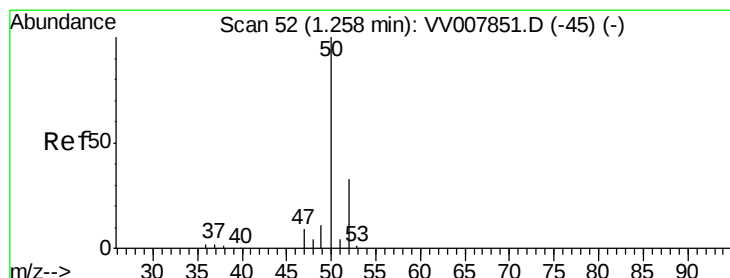
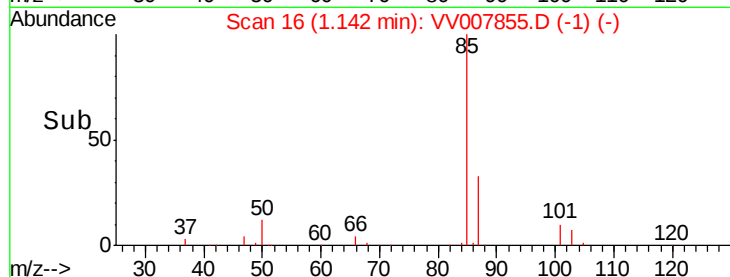
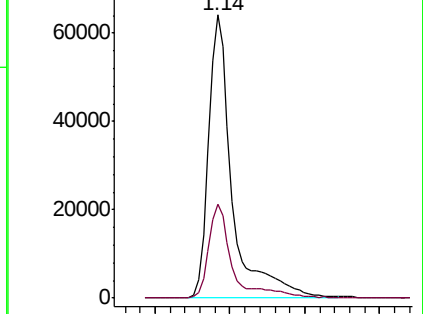
85 100

87 32.8 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VV007851.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VV007851.D (-9) (-)



#3

Chloromethane

Concen: 49.164 ug/L

RT: 1.26 min Scan# 53

Delta R.T. 0.00 min

Lab File: VV007855.D

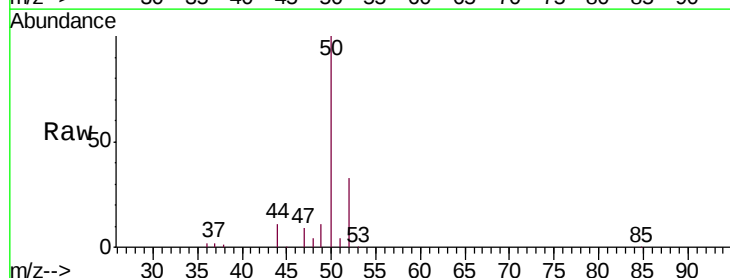
Acq: 25 Sep 2018 14:46

Tgt Ion: 50 Resp: 66955

Ion Ratio Lower Upper

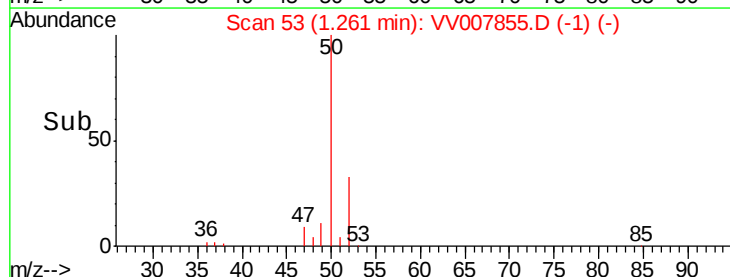
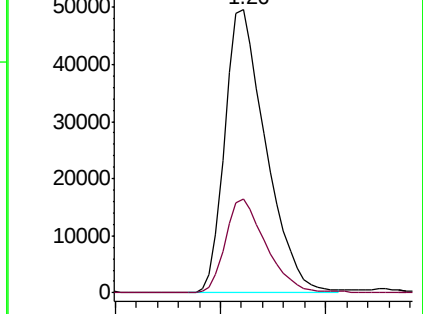
50 100

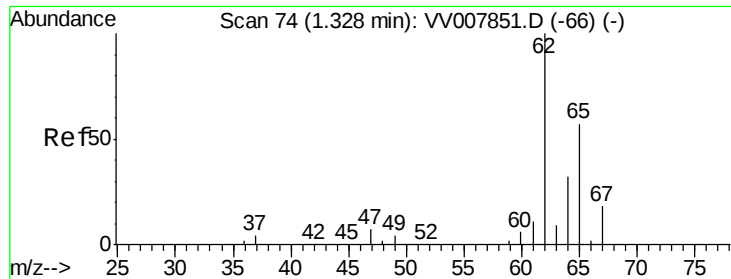
52 33.2 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV007851.D (-45) (-)

Ion 52.00 (51.70 to 52.70): VV007851.D (-45) (-)





#5

Vinyl chloride

Concen: 47.687 ug/L

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VV007855.D

Acq: 25 Sep 2018 14:46

Instrument :

MSVOA_V

ClientSampleId :

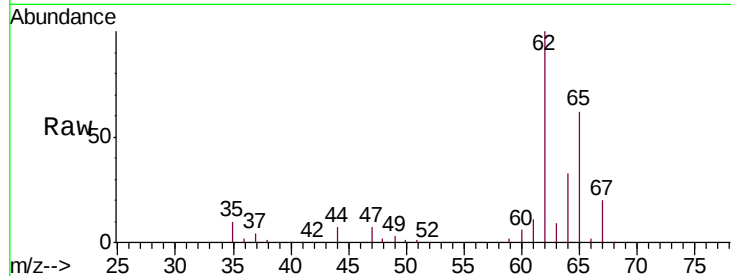
VSTD05076

Tgt Ion: 62 Resp: 69707

Ion Ratio Lower Upper

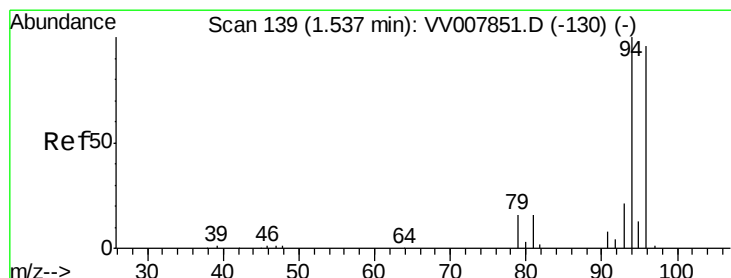
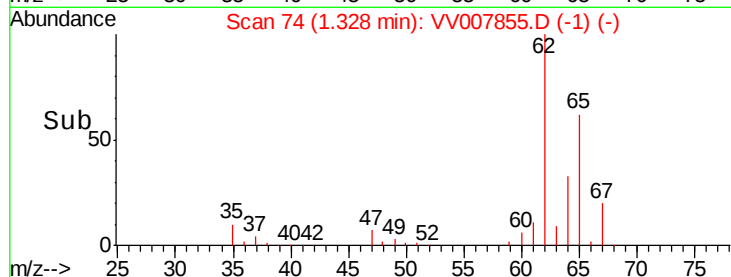
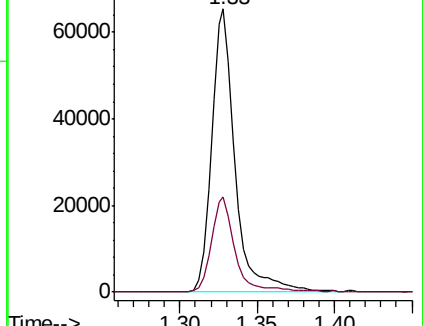
62 100

64 33.4 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV007851.D (-66) (-)

Ion 64.00 (63.70 to 64.70): VV007851.D (-66) (-)



#6

Bromomethane

Concen: 50.374 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV007855.D

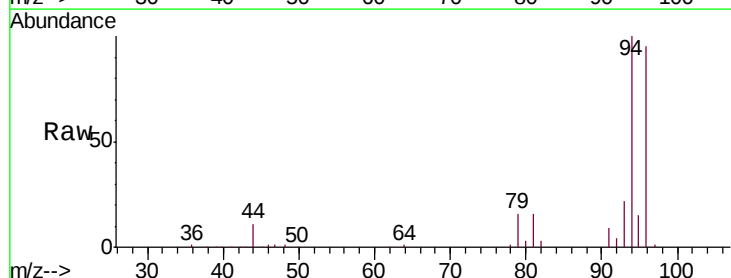
Acq: 25 Sep 2018 14:46

Tgt Ion: 94 Resp: 40777

Ion Ratio Lower Upper

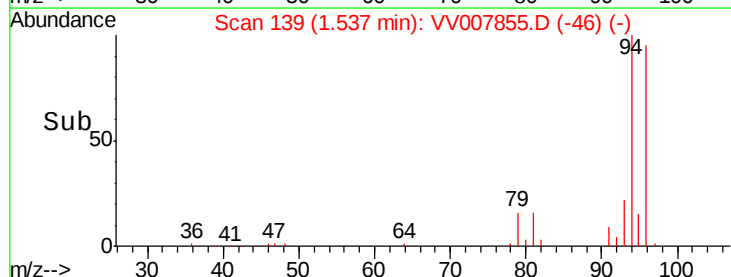
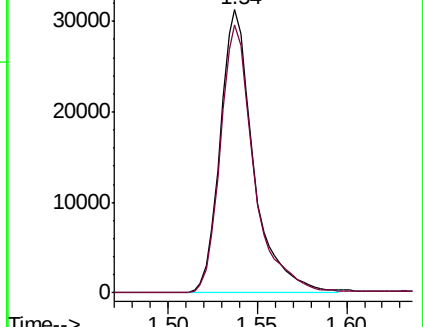
94 100

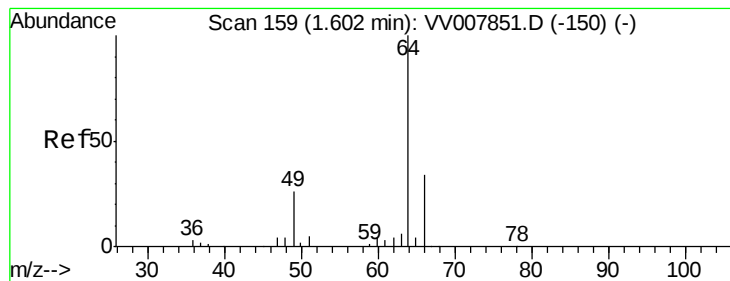
96 94.9 66.9 124.3



Abundance Ion 94.00 (93.70 to 94.70): VV007851.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV007851.D (-130) (-)





#8

Chloroethane

Concen: 47.084 ug/L

RT: 1.60 min Scan# 160

Delta R.T. 0.00 min

Lab File: VV007855.D

Acq: 25 Sep 2018 14:46

Instrument :

MSVOA_V

ClientSampleId :

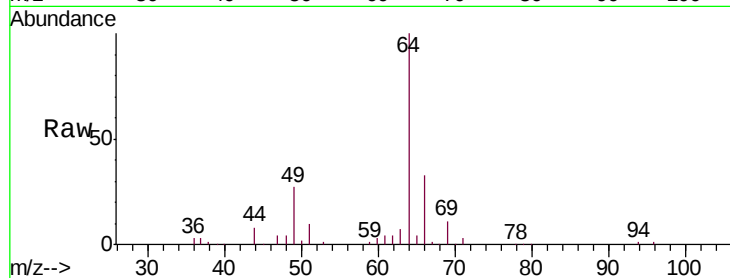
VSTD05076

Tgt Ion: 64 Resp: 42929

Ion Ratio Lower Upper

64 100

66 32.7 23.4 43.6



Abundance Ion 64.00 (63.70 to 64.70): VV007851.D (-150) (-)

Ion 66.00 (65.70 to 66.70): VV007851.D (-150) (-)

1.60

40000

30000

20000

10000

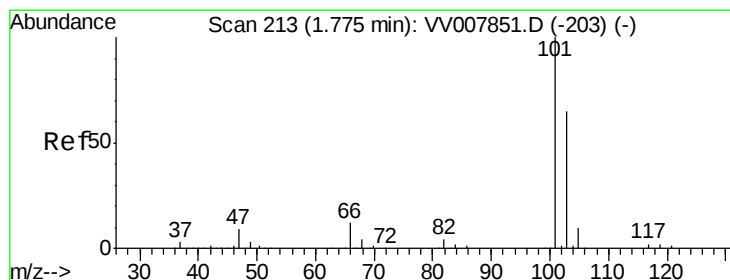
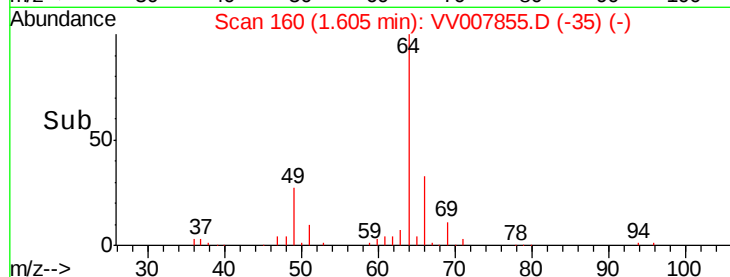
0

Time-->

1.55

1.60

1.65



#9

Trichlorofluoromethane

Concen: 47.864 ug/L

RT: 1.78 min Scan# 213

Delta R.T. -0.00 min

Lab File: VV007855.D

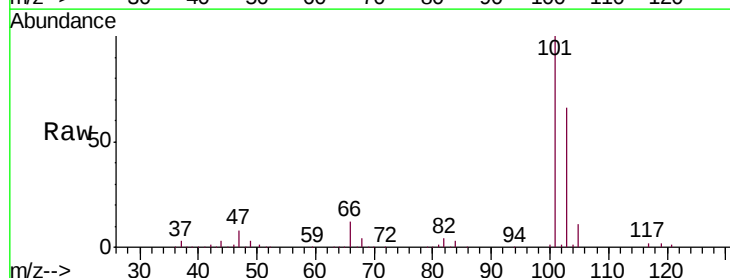
Acq: 25 Sep 2018 14:46

Tgt Ion: 101 Resp: 117232

Ion Ratio Lower Upper

101 100

103 66.0 52.4 78.6



Abundance Ion 101.00 (100.70 to 101.70): VV007851.D (-203) (-)

Ion 103.00 (102.70 to 103.70): VV007851.D (-203) (-)

1.78

100000

80000

60000

40000

20000

0

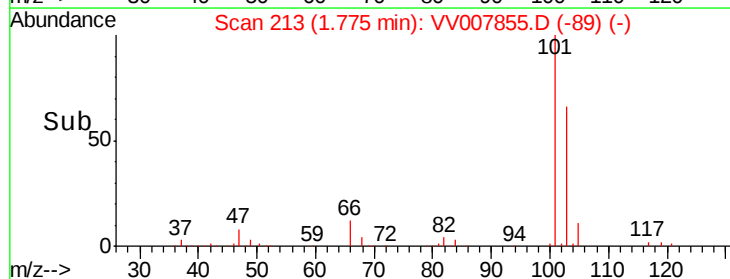
Time-->

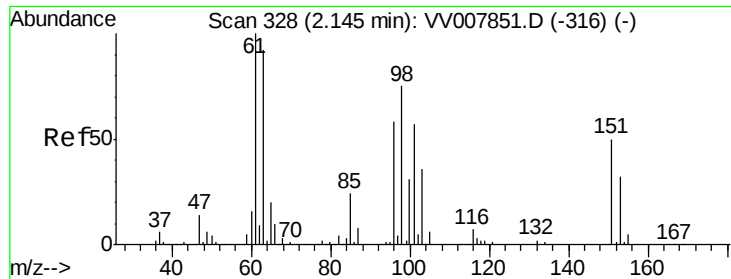
1.70

1.75

1.80

1.85





#10

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

Concen: 48.143 ug/L

RT: 2.14 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV007855.D

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ClientSampleId :

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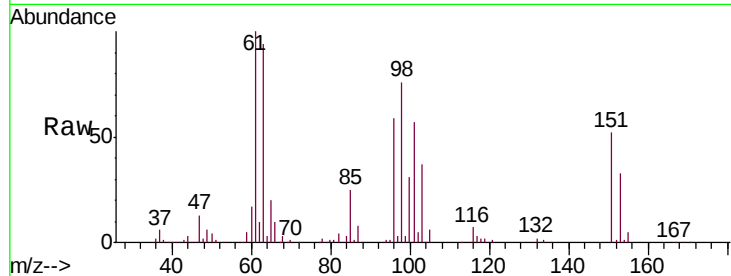
Tgt Ion: 101 Resp: 65899

Ion Ratio Lower Upper

101 100

85 44.0 34.2 51.2

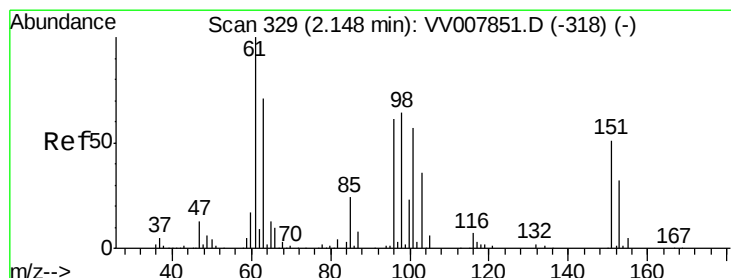
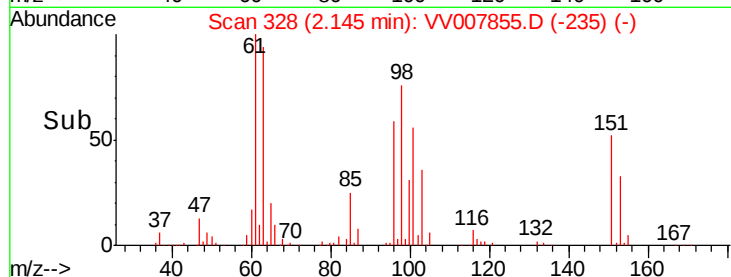
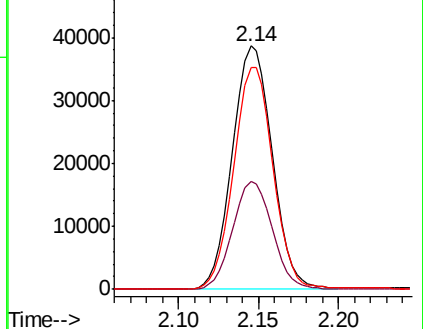
151 90.0 69.7 104.5



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: 47.777 ug/L

RT: 2.15 min Scan# 329

Delta R.T. -0.00 min

Lab File: VV007855.D

Acq: 25 Sep 2018 14:46

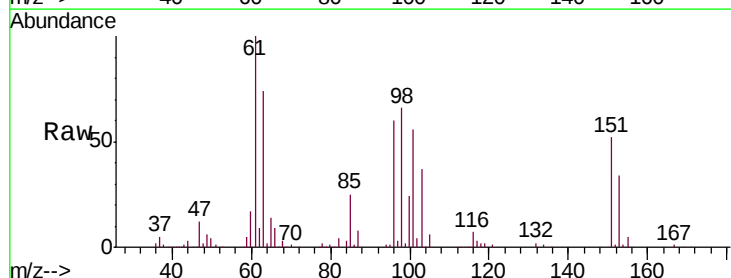
Tgt Ion: 96 Resp: 58688

Ion Ratio Lower Upper

96 100

61 165.8 116.1 215.7

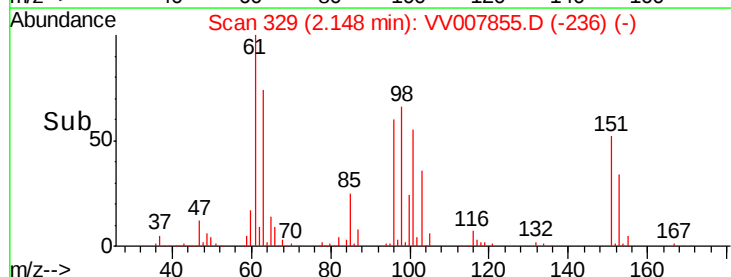
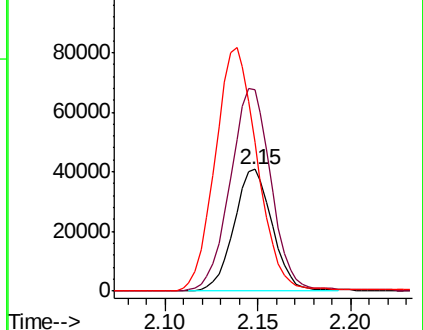
63 122.6 86.5 160.7

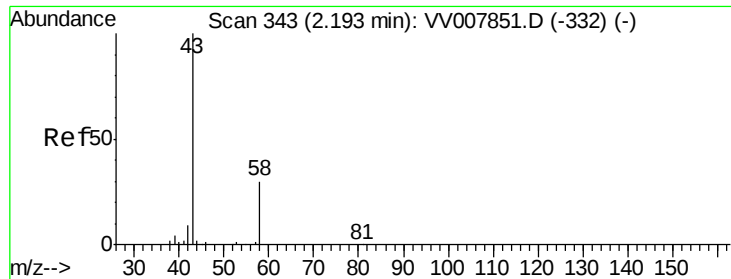


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 85.535 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

Lab File: VV007855.D

Acq: 25 Sep 2018 14:46

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ClientSampleId :

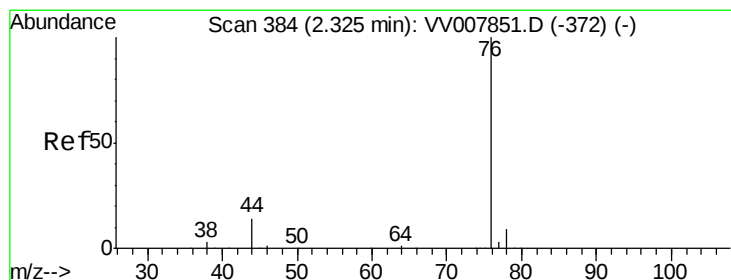
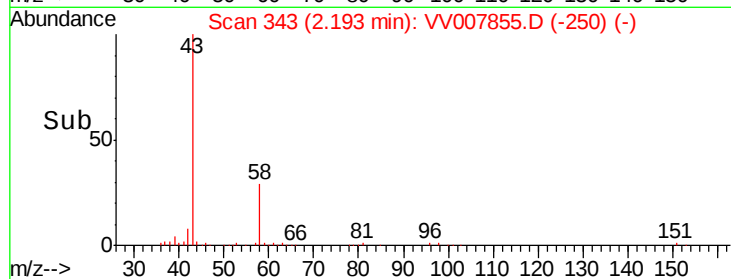
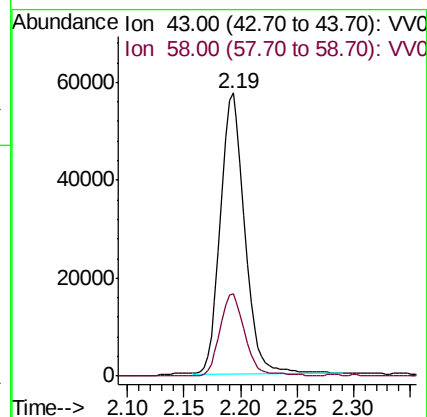
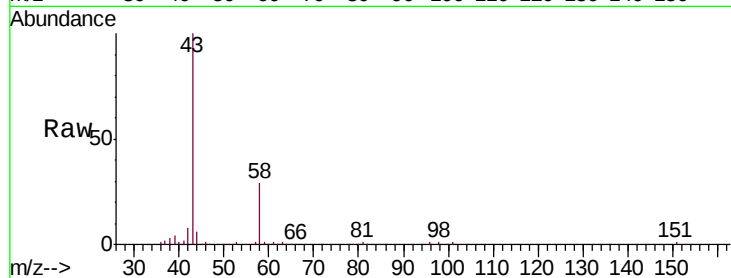
VSTD05076

Tgt Ion: 43 Resp: 86917

Ion Ratio Lower Upper

43 100

58 29.6 0.0 59.4



#14

Carbon disulfide

Concen: 49.182 ug/L

RT: 2.33 min Scan# 384

Delta R.T. -0.00 min

Lab File: VV007855.D

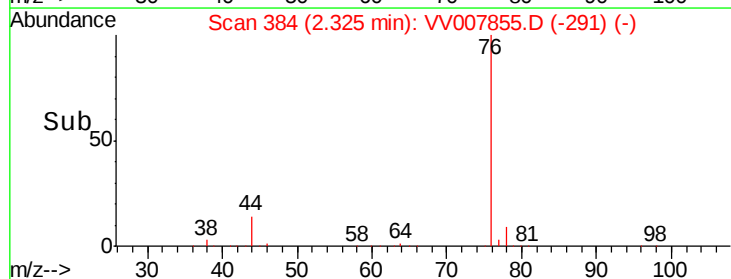
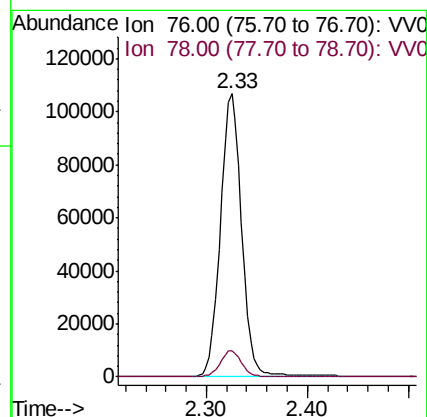
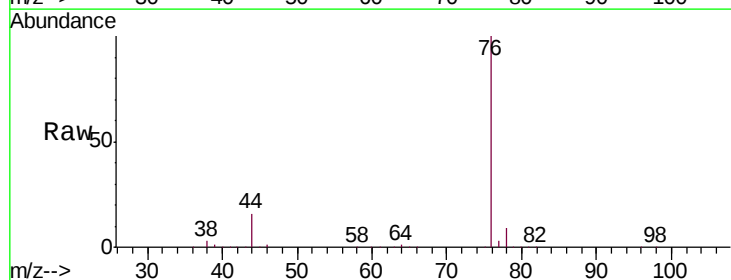
Acq: 25 Sep 2018 14:46

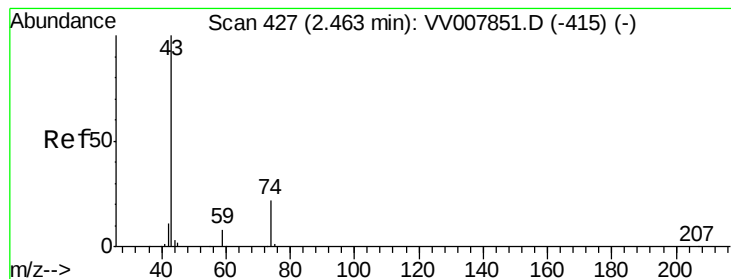
Tgt Ion: 76 Resp: 157622

Ion Ratio Lower Upper

76 100

78 9.4 7.6 11.4





#15

Methyl Acetate

Concen: 50.845 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VV007855.D

Acq: 25 Sep 2018 14:46

Instrument :

MSVOA_V

ClientSampleId :

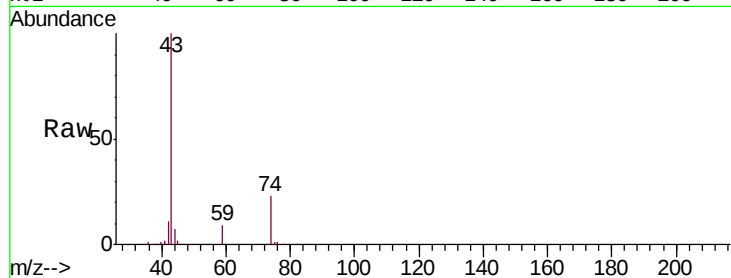
VSTD05076

Tgt Ion: 43 Resp: 75793

Ion Ratio Lower Upper

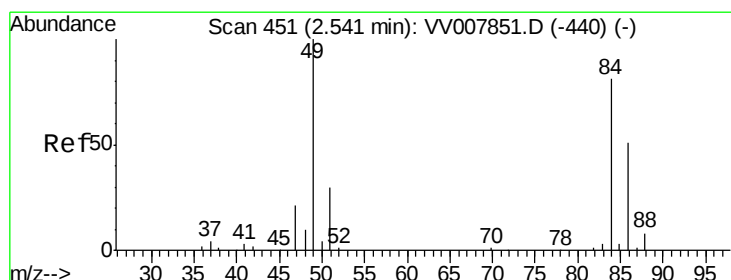
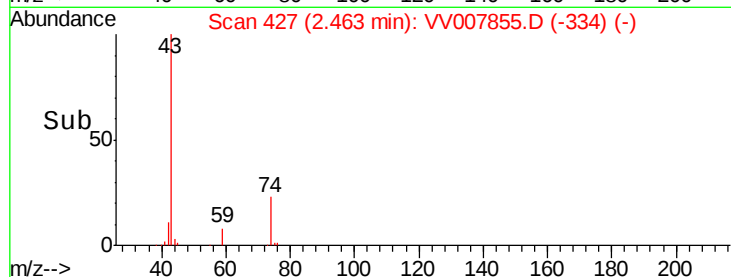
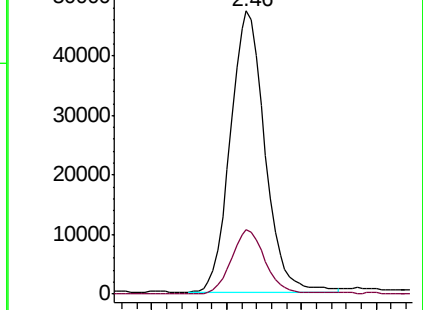
43 100

74 22.8 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VV007855.D (-415) (-)

Ion 74.00 (73.70 to 74.70): VV007855.D (-415) (-)



#16

Methylene chloride

Concen: 49.405 ug/L

RT: 2.54 min Scan# 451

Delta R.T. -0.00 min

Lab File: VV007855.D

Acq: 25 Sep 2018 14:46

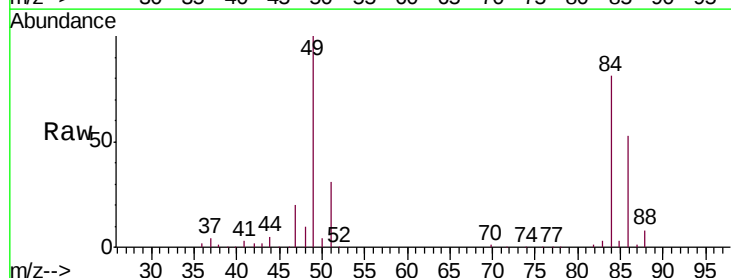
Tgt Ion: 84 Resp: 67157

Ion Ratio Lower Upper

84 100

86 65.4 44.4 82.4

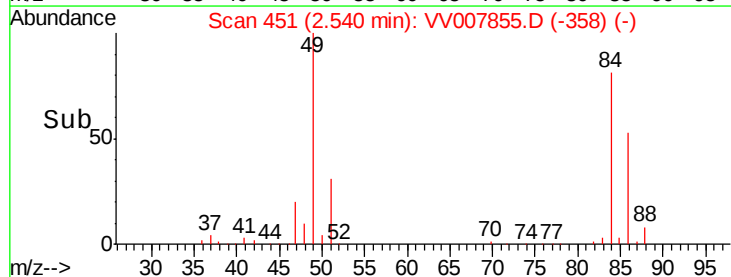
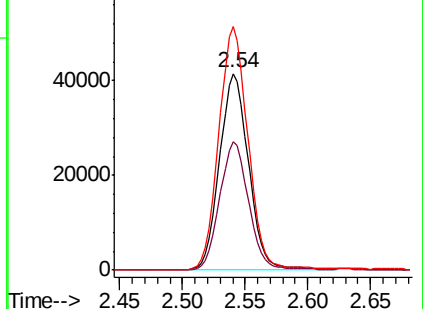
49 124.0 86.8 161.2

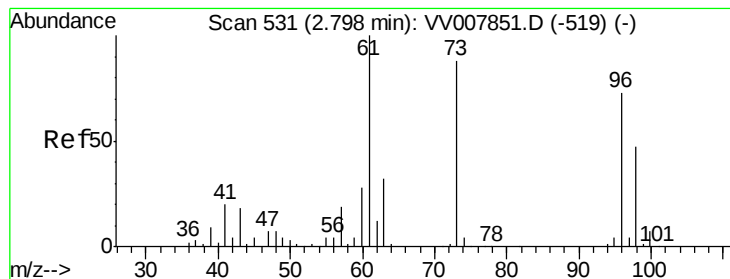


Abundance Ion 84.00 (83.70 to 84.70): VV007855.D (-440) (-)

Ion 86.00 (85.70 to 86.70): VV007855.D (-440) (-)

Ion 49.00 (48.70 to 49.70): VV007855.D (-440) (-)





#17

trans-1,2-Dichloroethene

Concen: 48.502 ug/L

RT: 2.79 min Scan# 530

Delta R.T. -0.00 min

Lab File: VV007855.D

Acq: 25 Sep 2018 14:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD05076

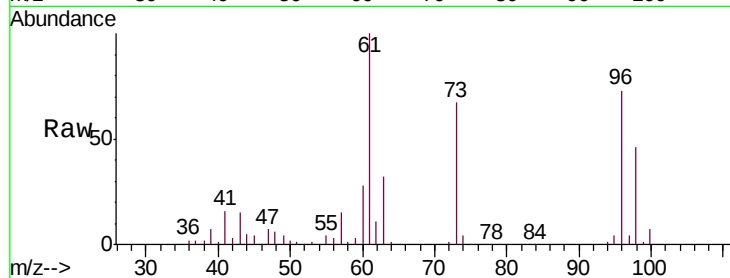
Tgt Ion: 96 Resp: 63564

Ion Ratio Lower Upper

96 100

61 136.9 96.8 179.8

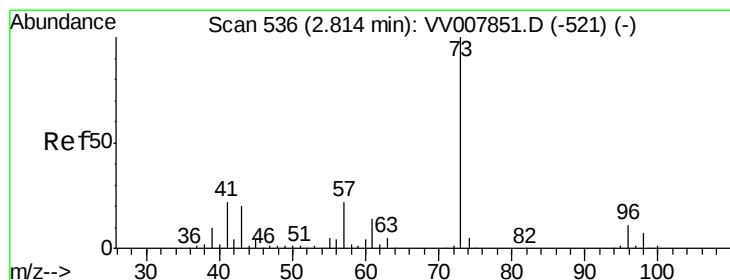
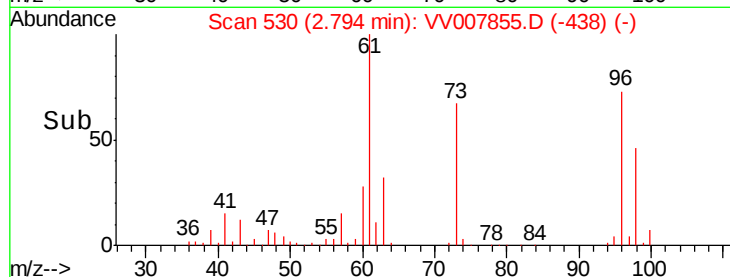
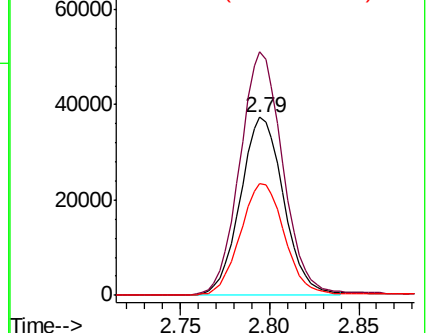
98 63.1 44.9 83.3



Abundance Ion 96.00 (95.70 to 96.70): VV007855.D (-438) (-)

Ion 61.00 (60.70 to 61.70): VV007855.D (-438) (-)

Ion 98.00 (97.70 to 98.70): VV007855.D (-438) (-)



#18

Methyl tert-butyl Ether

Concen: 50.254 ug/L

RT: 2.81 min Scan# 536

Delta R.T. -0.00 min

Lab File: VV007855.D

Acq: 25 Sep 2018 14:46

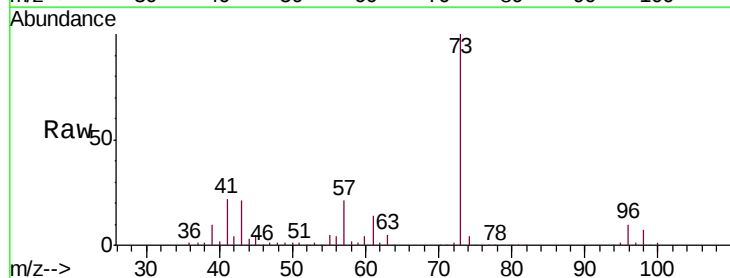
Tgt Ion: 73 Resp: 205203

Ion Ratio Lower Upper

73 100

43 20.6 16.2 24.4

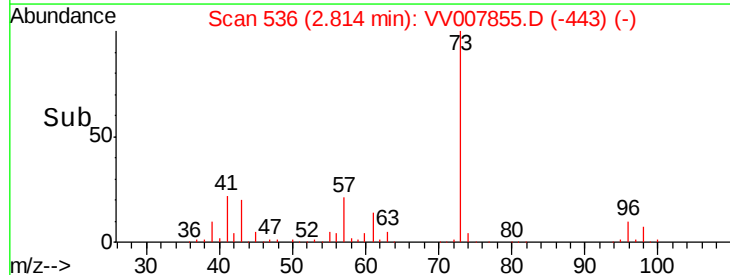
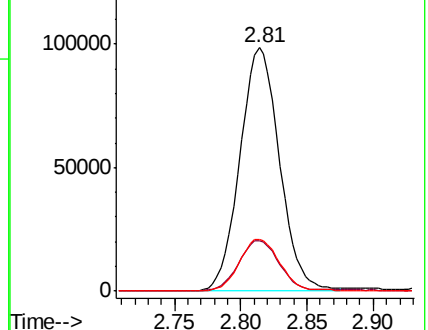
57 21.5 17.1 25.7

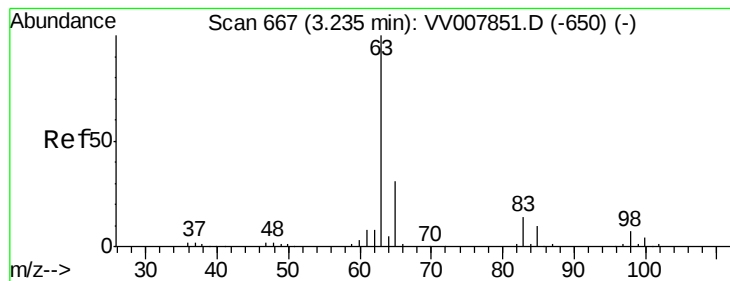


Abundance Ion 73.00 (72.70 to 73.70): VV007855.D (-443) (-)

Ion 43.00 (42.70 to 43.70): VV007855.D (-443) (-)

Ion 57.00 (56.70 to 57.70): VV007855.D (-443) (-)





#19

1,1-Dichloroethane

Concen: 47.754 ug/L

RT: 3.23 min Scan# 666

Delta R.T. -0.00 min

Lab File: VV007855.D

Acq: 25 Sep 2018 14:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD05076

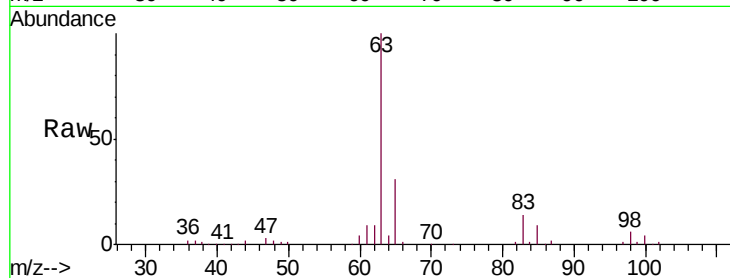
Tgt Ion: 63 Resp: 107397

Ion Ratio Lower Upper

63 100

65 30.5 21.9 40.7

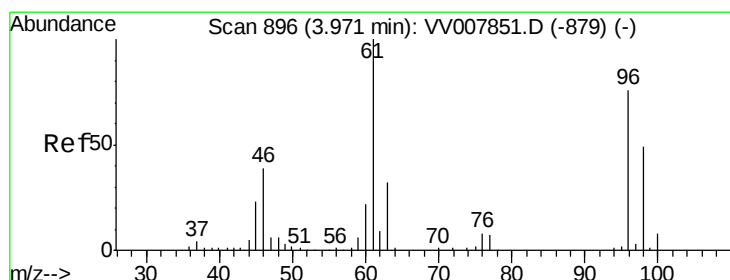
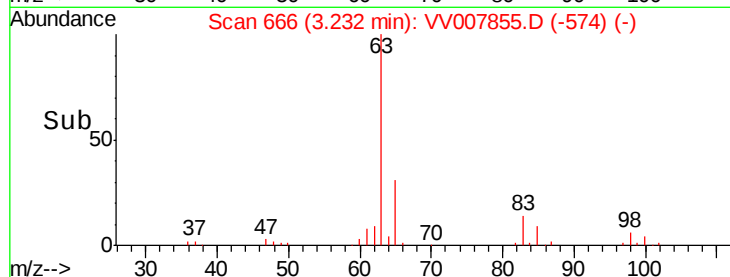
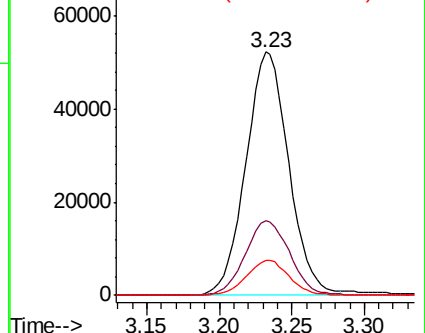
83 14.3 9.7 18.1



Abundance Ion 63.00 (62.70 to 63.70): VV007851.D (-650) (-)

Ion 65.00 (64.70 to 65.70): VV007851.D (-650) (-)

Ion 83.00 (82.70 to 83.70): VV007851.D (-650) (-)



#20

cis-1,2-Dichloroethene

Concen: 49.728 ug/L

RT: 3.97 min Scan# 895

Delta R.T. -0.00 min

Lab File: VV007855.D

Acq: 25 Sep 2018 14:46

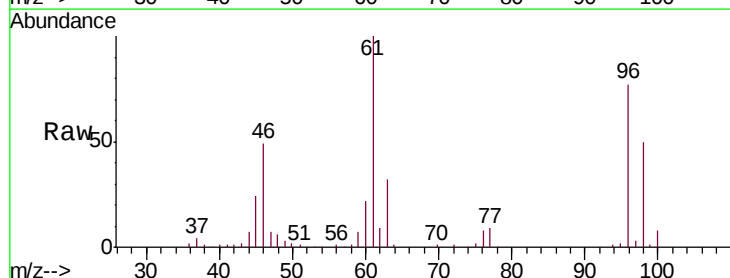
Tgt Ion: 96 Resp: 70613

Ion Ratio Lower Upper

96 100

61 130.6 92.6 172.0

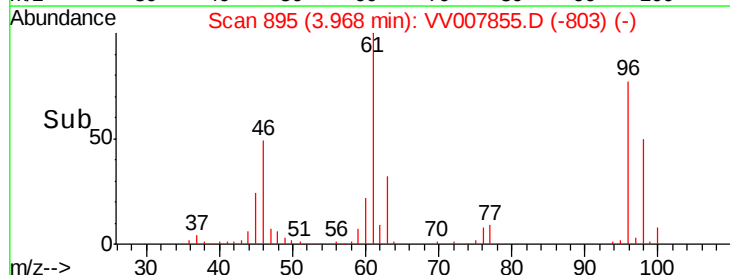
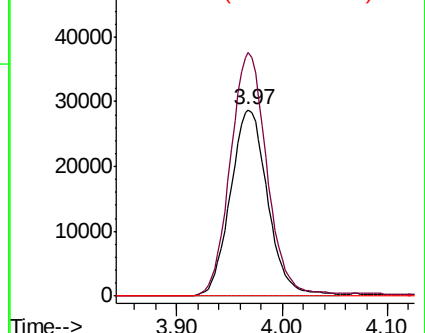
68 0.0 0.0 0.0

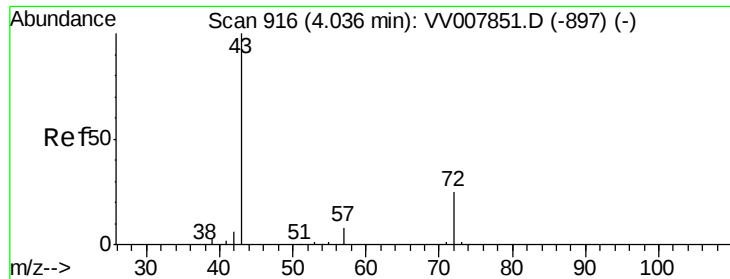


Abundance Ion 96.00 (95.70 to 96.70): VV007851.D (-879) (-)

Ion 61.00 (60.70 to 61.70): VV007851.D (-879) (-)

Ion 68.00 (67.70 to 68.70): VV007851.D (-879) (-)





#22

2-Butanone

Concen: 93.062 ug/L

RT: 4.03 min Scan# 915

Delta R.T. -0.00 min

Lab File: VV007855.D

Acq: 25 Sep 2018 14:46

Instrument :

MSVOA_V

ClientSampleId :

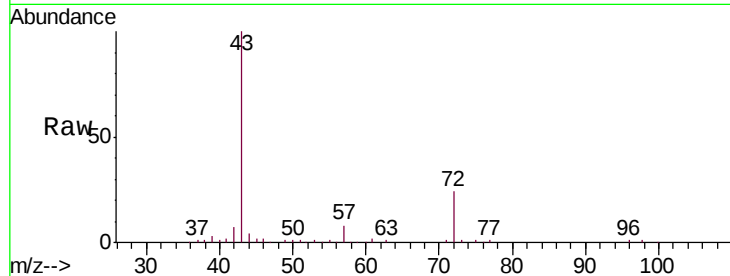
VSTD05076

Tgt Ion: 43 Resp: 108364

Ion Ratio Lower Upper

43 100

72 24.7 12.4 37.2

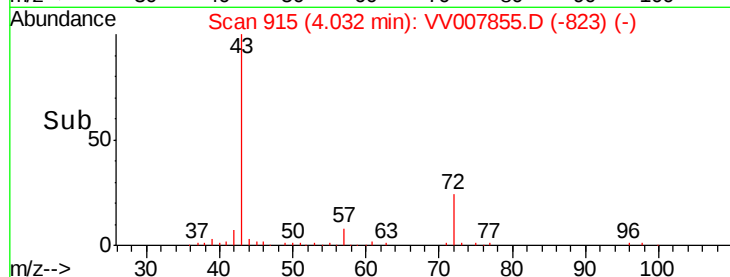


Abundance Ion 43.00 (42.70 to 43.70): VV007851.D (-897) (-)

Ion 72.00 (71.70 to 72.70): VV007851.D (-897) (-)

4.03

Time-->



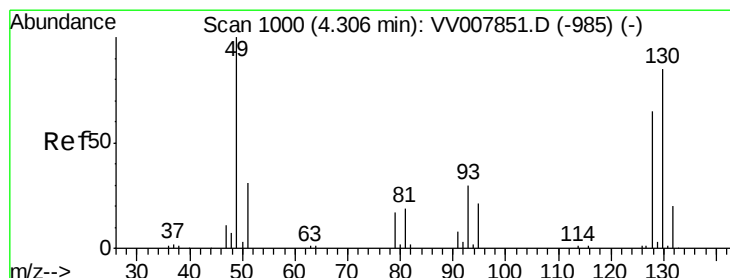
Abundance

Ion 43.00 (42.70 to 43.70): VV007855.D (-823) (-)

Ion 72.00 (71.70 to 72.70): VV007855.D (-823) (-)

4.03

Time-->



#23

Bromochloromethane

Concen: 49.694 ug/L

RT: 4.31 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VV007855.D

Acq: 25 Sep 2018 14:46

Tgt Ion: 128 Resp: 36714

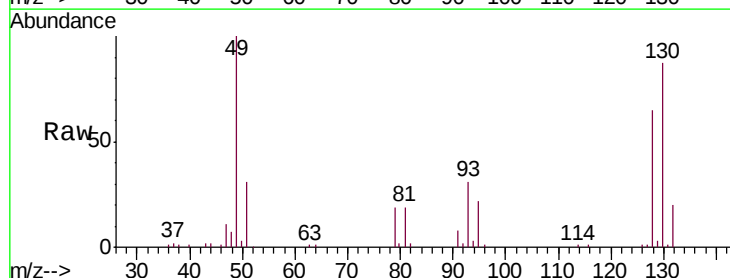
Ion Ratio Lower Upper

128 100

49 154.5 107.7 199.9

130 133.8 91.1 169.1

51 48.5 38.1 57.1



Abundance Ion 128.00 (127.70 to 128.70): VV007851.D (-985) (-)

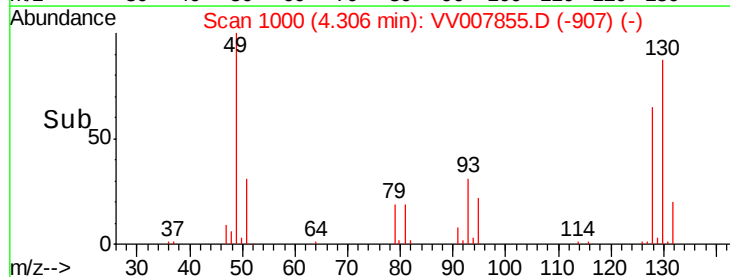
Ion 49.00 (48.70 to 49.70): VV007851.D (-985) (-)

Ion 130.00 (129.70 to 130.70): VV007851.D (-985) (-)

Ion 51.00 (50.70 to 51.70): VV007851.D (-985) (-)

4.31

Time-->



Abundance

Ion 128.00 (127.70 to 128.70): VV007855.D (-907) (-)

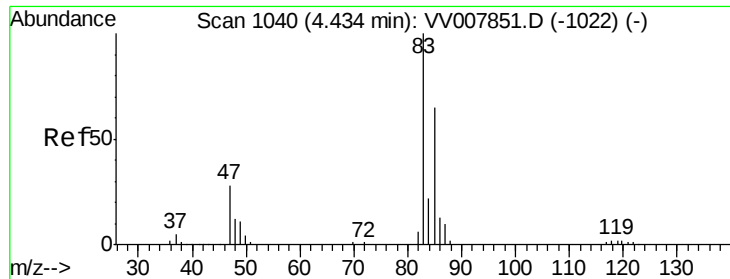
Ion 49.00 (48.70 to 49.70): VV007855.D (-907) (-)

Ion 130.00 (129.70 to 130.70): VV007855.D (-907) (-)

Ion 51.00 (50.70 to 51.70): VV007855.D (-907) (-)

4.31

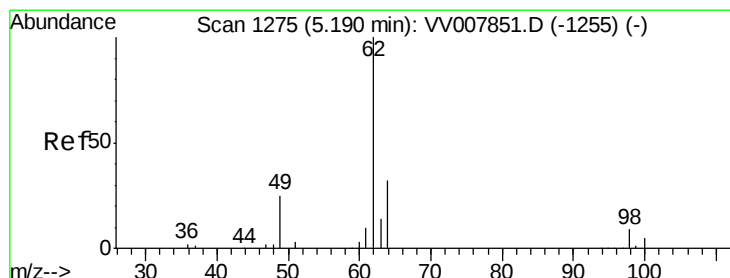
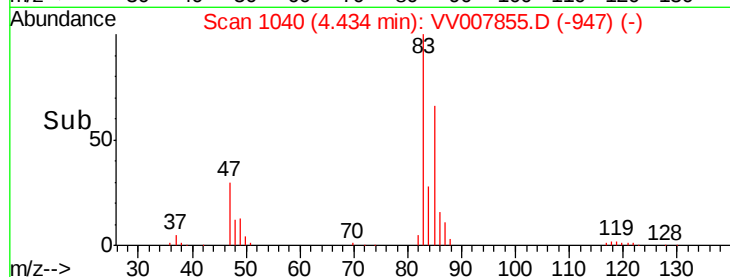
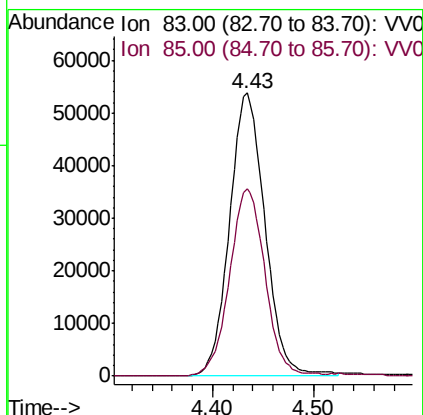
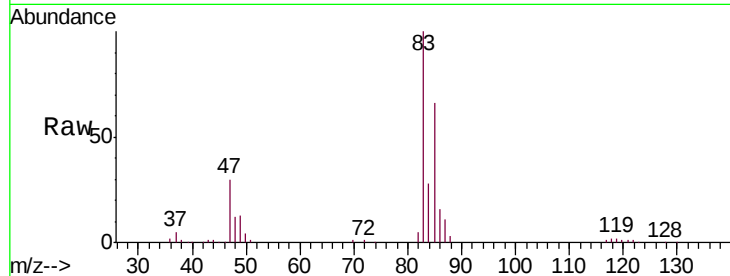
Time-->



#25
 Chloroform
 Concen: 49.302 ug/L
 RT: 4.43 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VV007855.D
 Acq: 25 Sep 2018 14:46

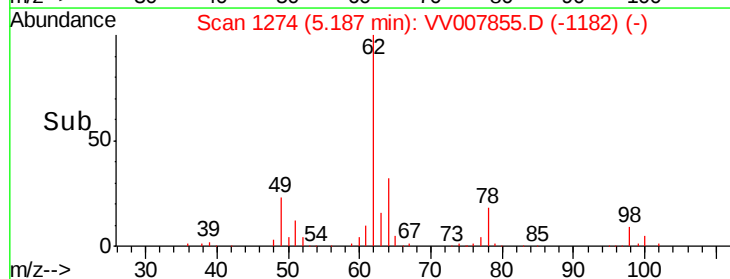
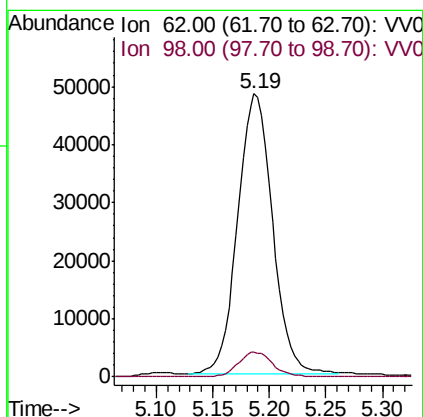
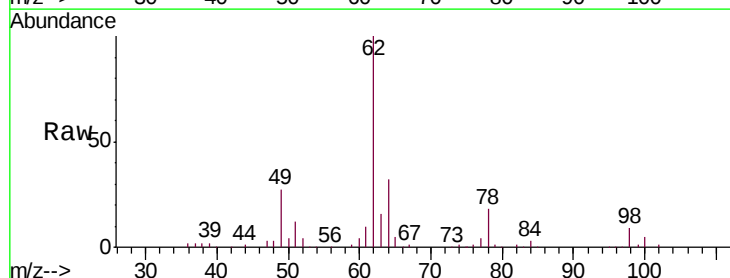
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05076

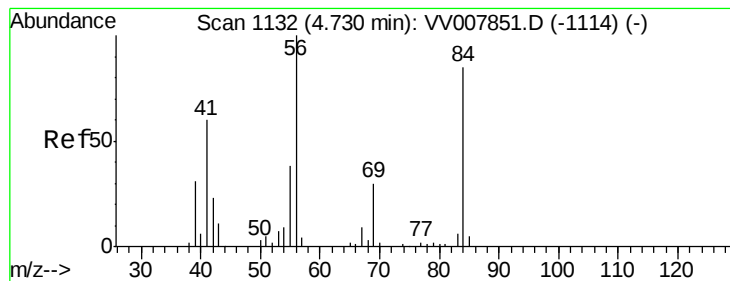
Tgt Ion: 83 Resp: 131601
 Ion Ratio Lower Upper
 83 100
 85 66.3 45.9 85.3



#27
 1,2-Dichloroethane
 Concen: 49.081 ug/L
 RT: 5.19 min Scan# 1274
 Delta R.T. -0.00 min
 Lab File: VV007855.D
 Acq: 25 Sep 2018 14:46

Tgt Ion: 62 Resp: 103833
 Ion Ratio Lower Upper
 62 100
 98 8.6 7.0 10.4





#29

Cyclohexane

Concen: 48.020 ug/L

RT: 4.73 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VV007855.D

Acq: 25 Sep 2018 14:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD05076

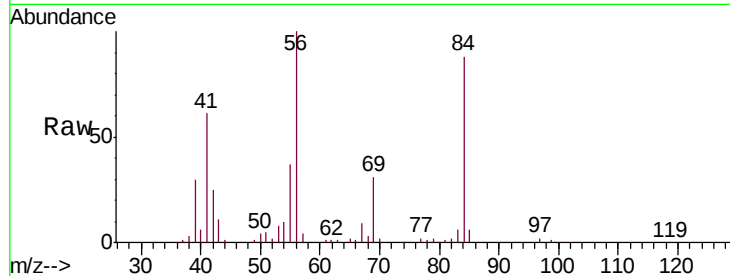
Tgt Ion: 56 Resp: 101762

Ion Ratio Lower Upper

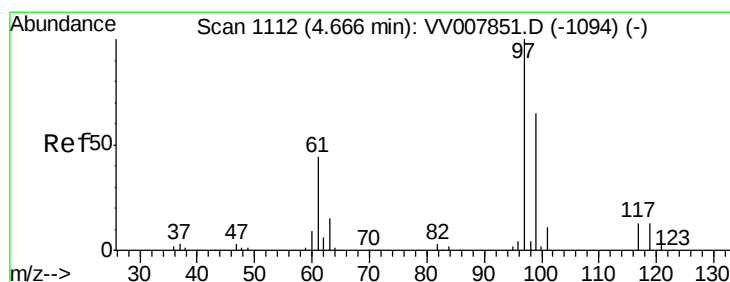
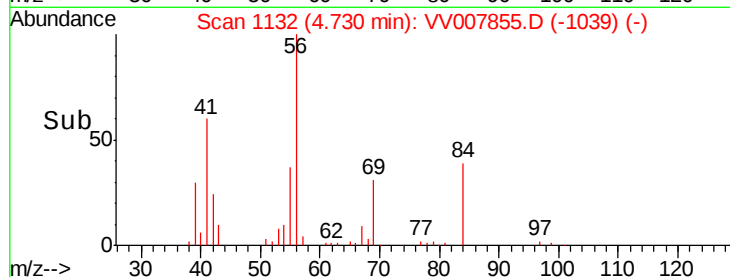
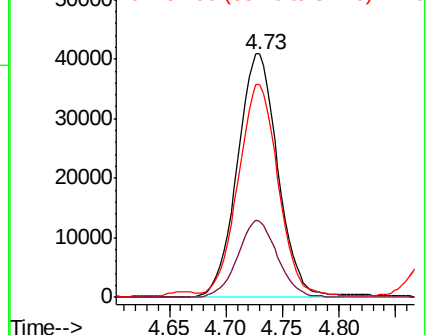
56 100

69 31.0 24.1 36.1

84 86.6 68.2 102.4



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



#30

1,1,1-Trichloroethane

Concen: 48.410 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VV007855.D

Acq: 25 Sep 2018 14:46

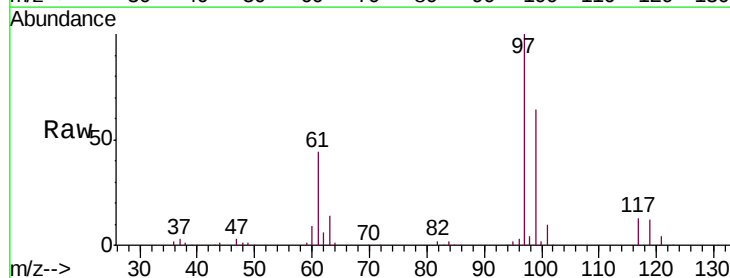
Tgt Ion: 97 Resp: 108652

Ion Ratio Lower Upper

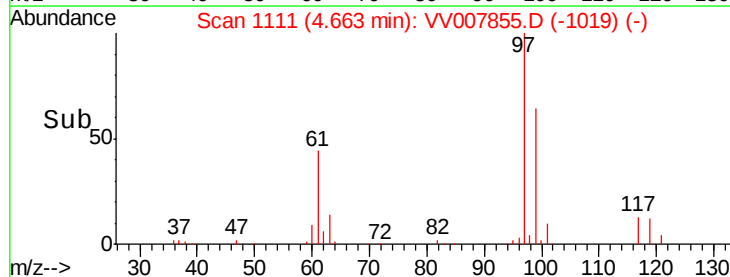
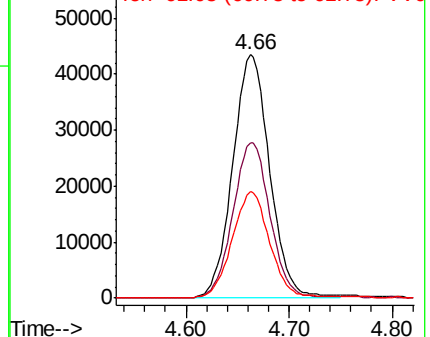
97 100

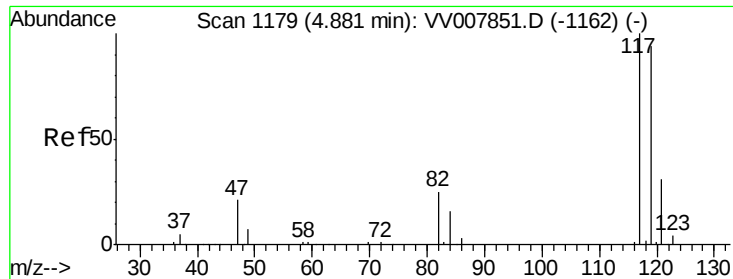
99 64.1 51.0 76.6

61 44.2 35.0 52.4



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 49.067 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VV007855.D

Acq: 25 Sep 2018 14:46

Instrument :

MSVOA_V

ClientSampleId :

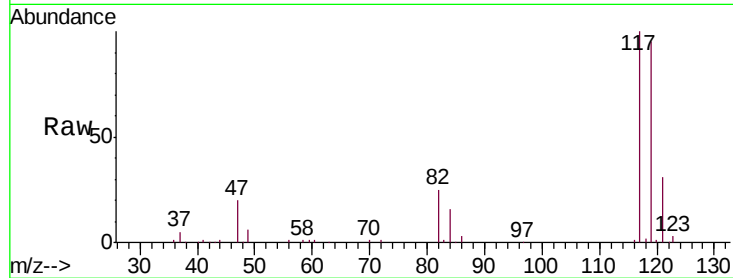
VSTD05076

Tgt Ion:117 Resp: 97296

Ion Ratio Lower Upper

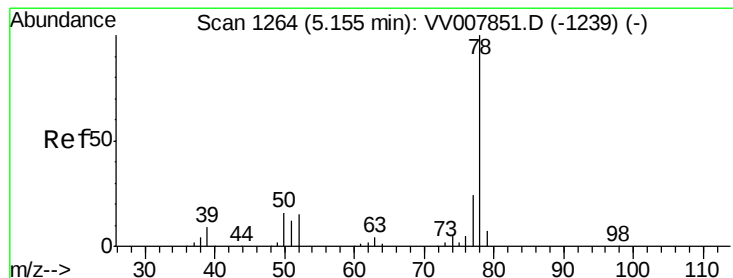
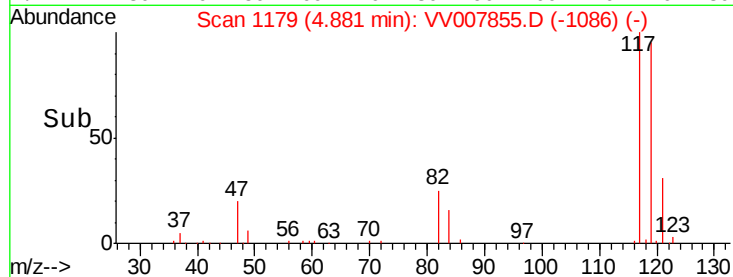
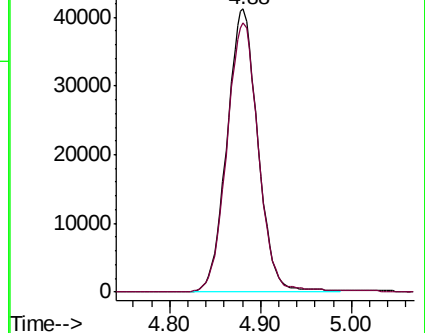
117 100

119 96.5 76.2 114.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.611 ug/L

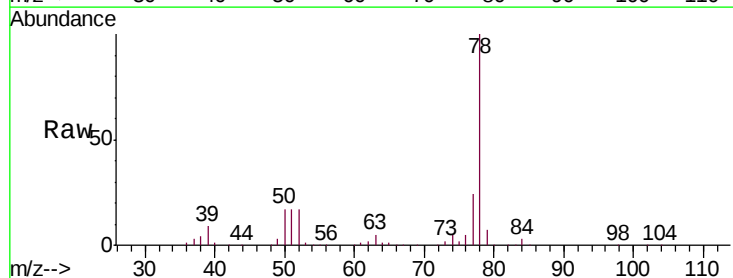
RT: 5.15 min Scan# 1263

Delta R.T. -0.00 min

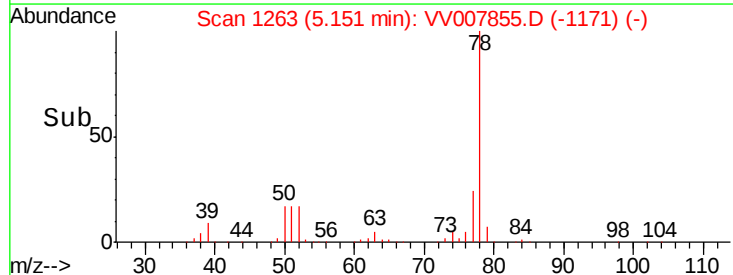
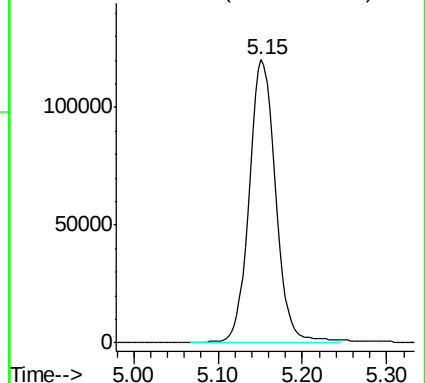
Lab File: VV007855.D

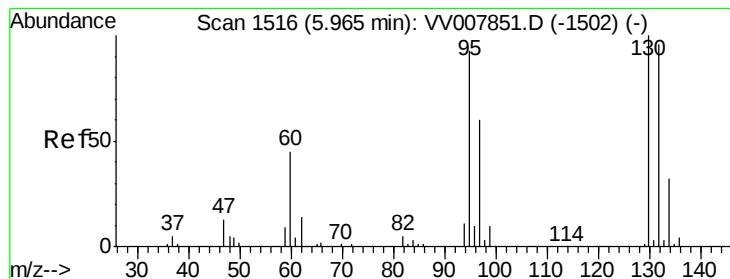
Acq: 25 Sep 2018 14:46

Tgt Ion: 78 Resp: 264362



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 48.779 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. -0.00 min

Lab File: VV007855.D

Acq: 25 Sep 2018 14:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD05076

Tgt Ion: 95 Resp: 72102

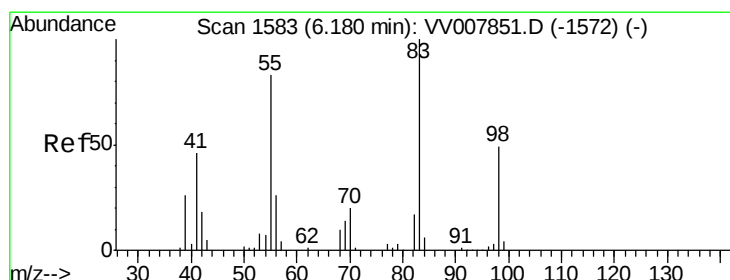
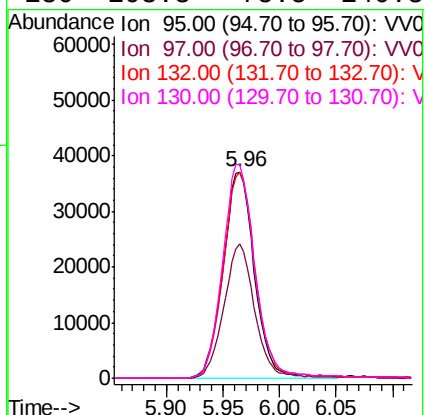
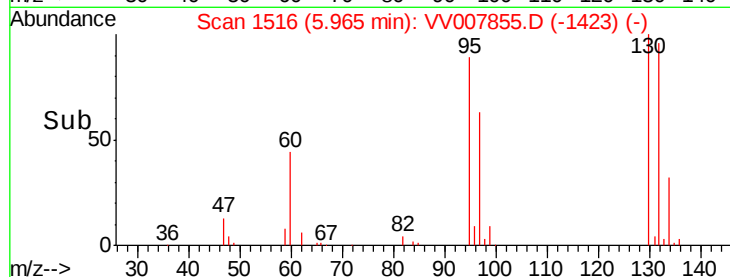
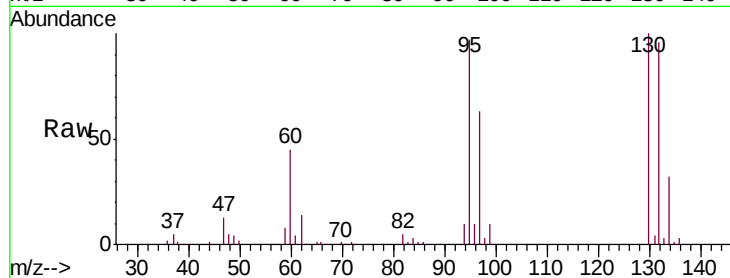
Ion Ratio Lower Upper

95 100

97 65.0 45.4 84.2

132 99.5 72.2 134.0

130 103.3 75.5 140.3



#35

Methylcyclohexane

Concen: 49.041 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VV007855.D

Acq: 25 Sep 2018 14:46

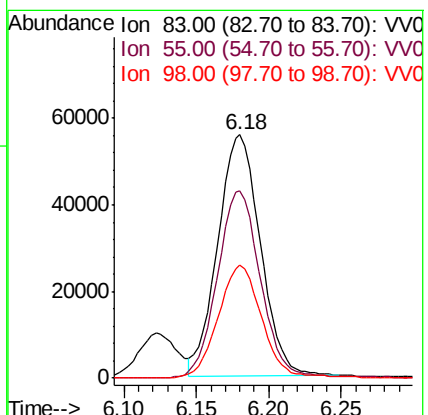
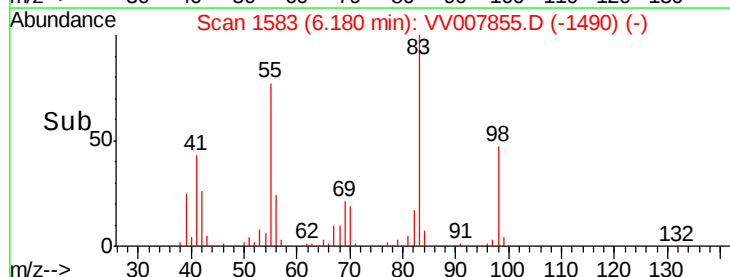
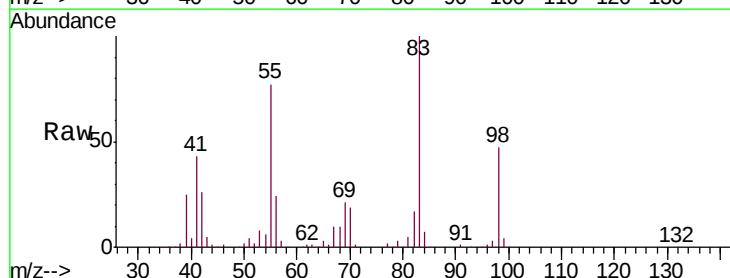
Tgt Ion: 83 Resp: 113724

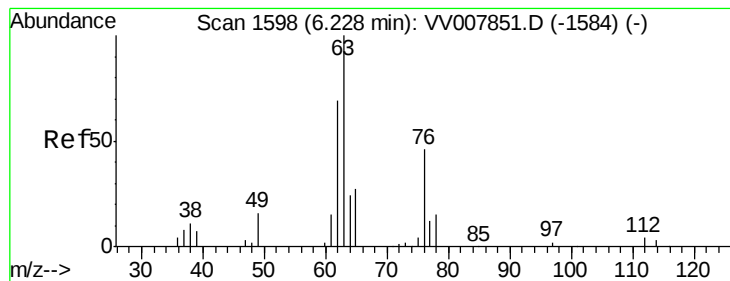
Ion Ratio Lower Upper

83 100

55 78.5 62.6 94.0

98 47.7 37.6 56.4





#37

1,2-Dichloropropane

Concen: 48.699 ug/L

RT: 6.23 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VV007855.D

Acq: 25 Sep 2018 14:46

Instrument :

MSVOA_V

ClientSampleId :

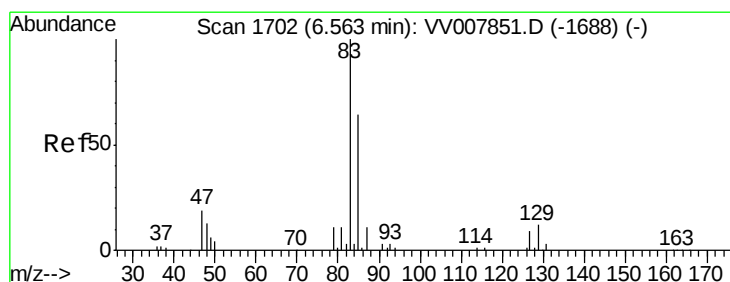
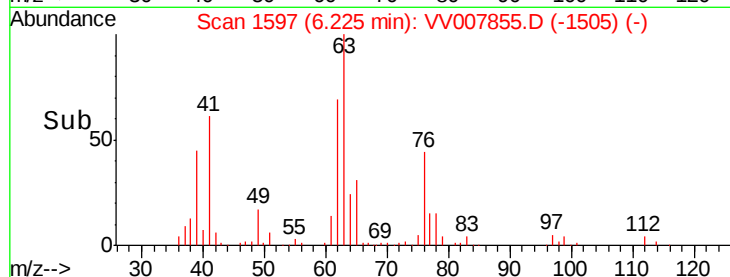
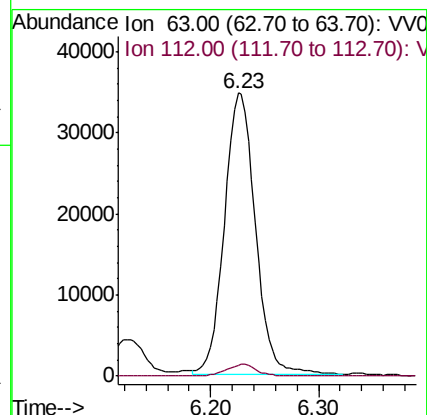
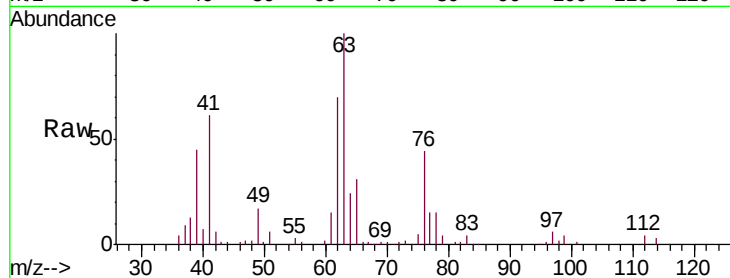
VSTD05076

Tgt Ion: 63 Resp: 69205

Ion Ratio Lower Upper

63 100

112 4.1 3.3 4.9



#38

Bromodichloromethane

Concen: 50.417 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VV007855.D

Acq: 25 Sep 2018 14:46

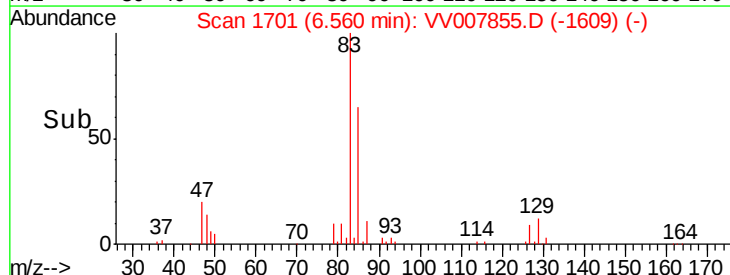
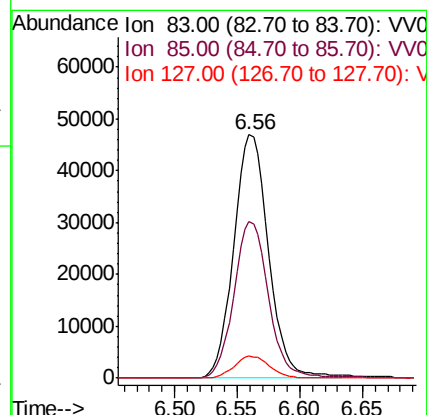
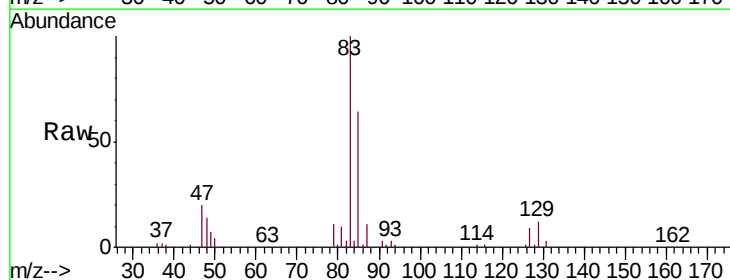
Tgt Ion: 83 Resp: 90679

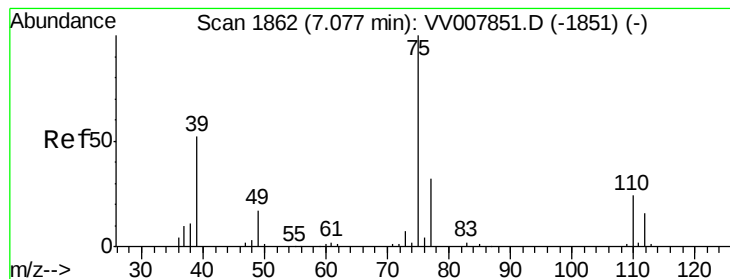
Ion Ratio Lower Upper

83 100

85 64.1 44.9 83.3

127 8.9 7.4 11.2



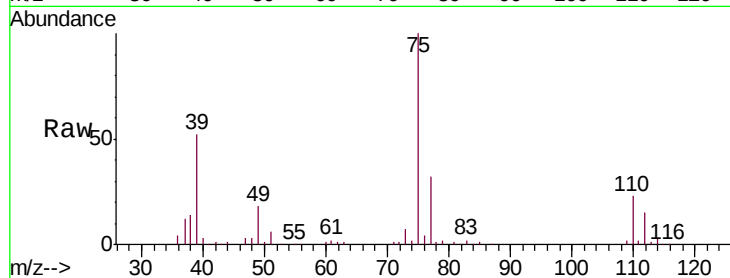


#39

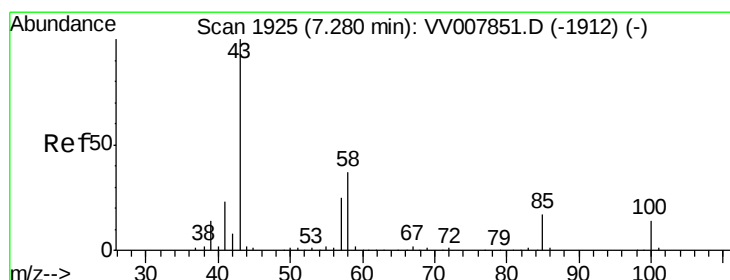
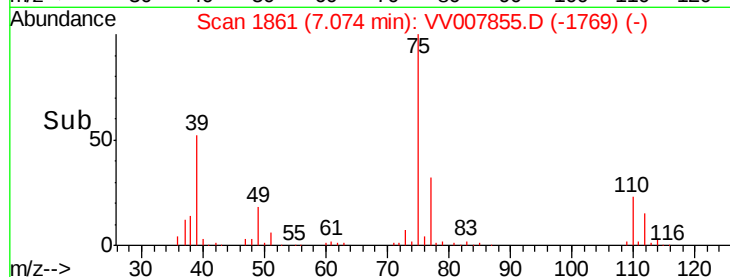
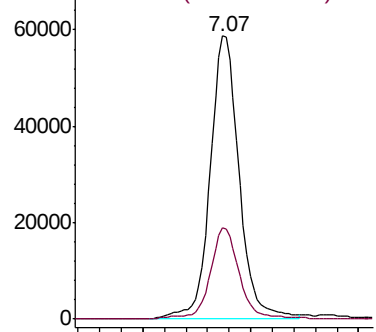
cis-1,3-Dichloropropene
Concen: 53.283 ug/L
RT: 7.07 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VV007855.D
Acq: 25 Sep 2018 14:46

Instrument :
MSVOA_V
ClientSampleId :
VSTD05076

Tgt Ion: 75 Resp: 109927
Ion Ratio Lower Upper
75 100
77 32.1 22.8 42.4



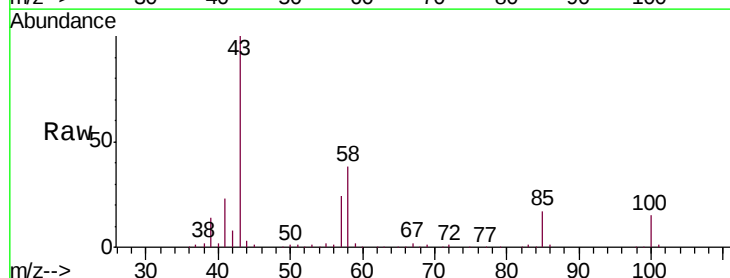
Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0



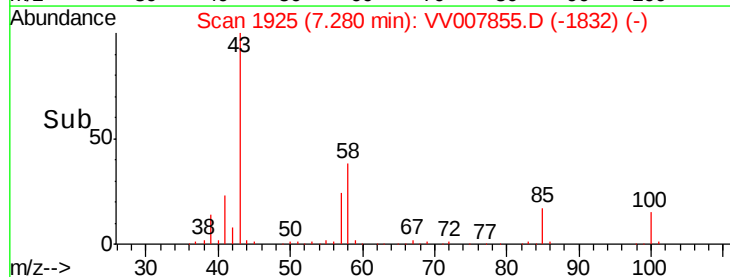
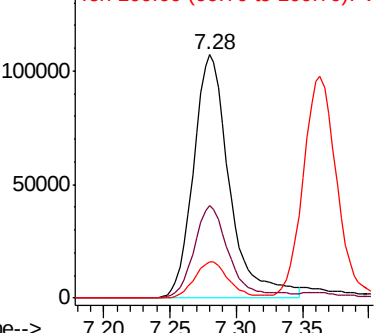
#40

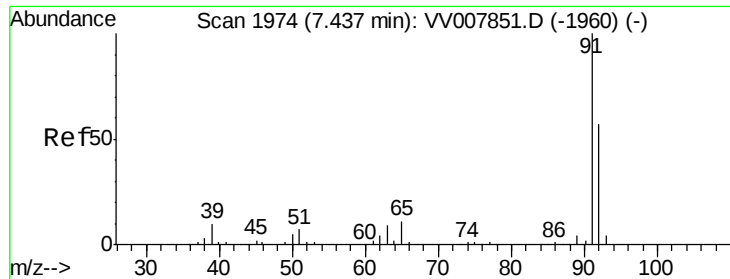
4-Methyl-2-pentanone
Concen: 101.277 ug/L
RT: 7.28 min Scan# 1925
Delta R.T. -0.00 min
Lab File: VV007855.D
Acq: 25 Sep 2018 14:46

Tgt Ion: 43 Resp: 203387
Ion Ratio Lower Upper
43 100
58 37.3 29.3 43.9
100 14.4 11.0 16.4



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





#42

Toluene

Concen: 49.885 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV007855.D

Acq: 25 Sep 2018 14:46

Instrument :

MSVOA_V

ClientSampleId :

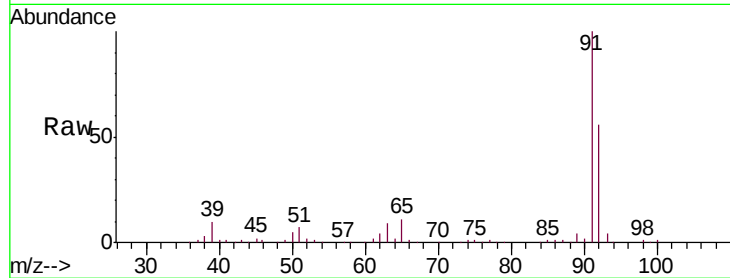
VSTD05076

Tgt Ion: 91 Resp: 299500

Ion Ratio Lower Upper

91 100

92 56.1 39.8 73.8



Abundance Ion 91.00 (90.70 to 91.70): VV007851.D (-1960) (-)

Ion 92.00 (91.70 to 92.70): VV007851.D (-1960) (-)

7.43

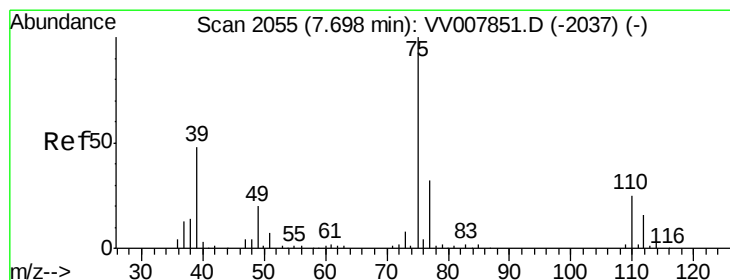
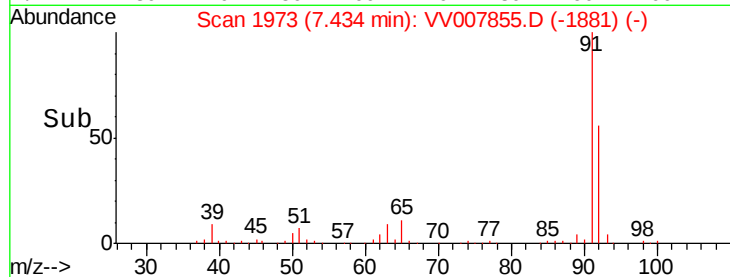
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 51.796 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. -0.00 min

Lab File: VV007855.D

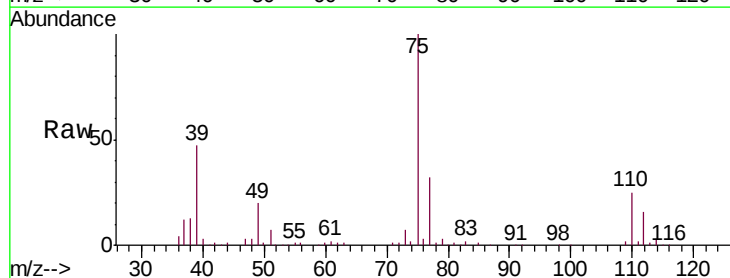
Acq: 25 Sep 2018 14:46

Tgt Ion: 75 Resp: 106210

Ion Ratio Lower Upper

75 100

77 31.9 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VV007851.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV007851.D (-2037) (-)

7.70

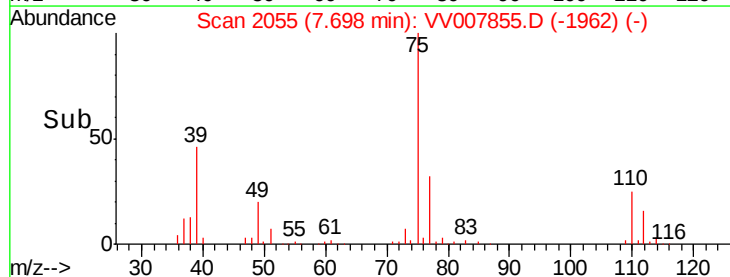
60000

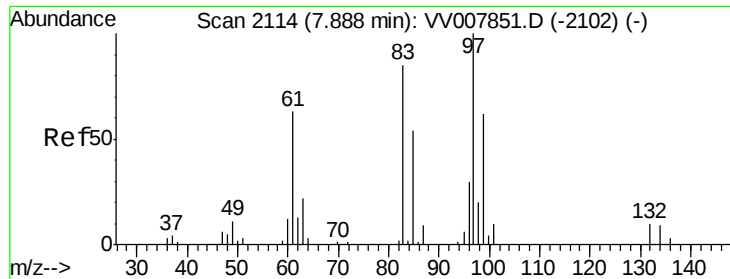
40000

20000

0

Time-->

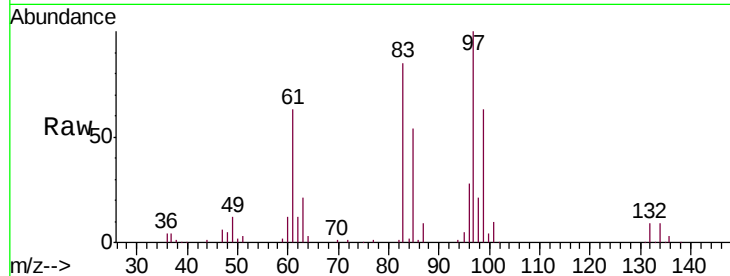




#45
 1,1,2-Trichloroethane
 Concen: 50.235 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VV007855.D
 Acq: 25 Sep 2018 14:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05076

Tgt Ion:	97	Resp:	71340
Ion	Ratio	Lower	Upper
97	100		
99	63.0	43.7	81.1
83	85.2	59.6	110.8
85	54.2	37.7	70.1



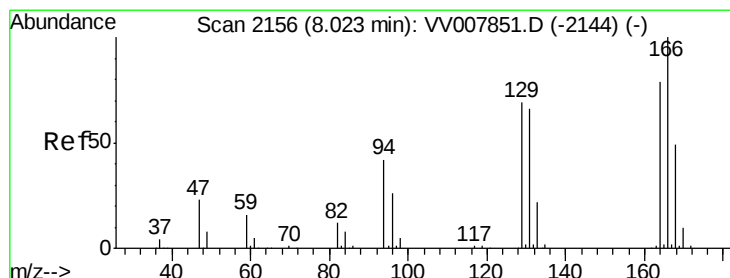
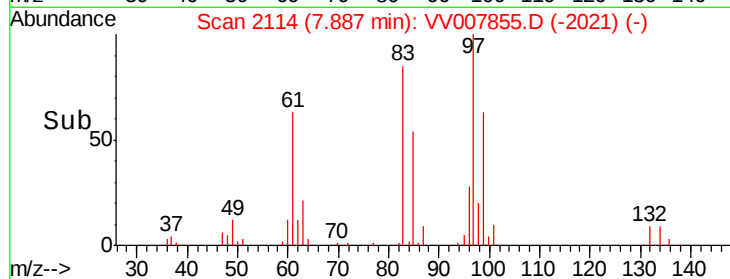
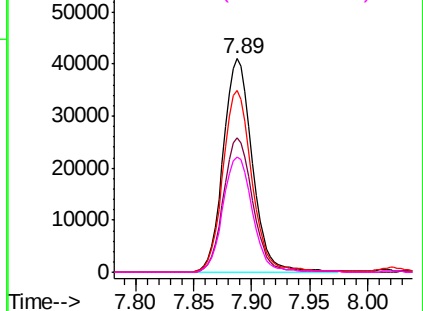
Abundance

Ion 97.00 (96.70 to 97.70): VV007855.D (-2021) (-)

Ion 99.00 (98.70 to 99.70): VV007855.D (-2021) (-)

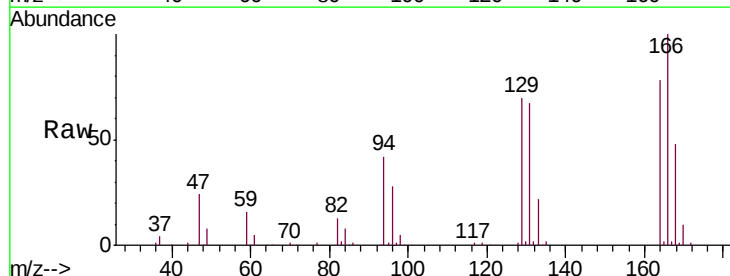
Ion 83.00 (82.70 to 83.70): VV007855.D (-2021) (-)

Ion 85.00 (84.70 to 85.70): VV007855.D (-2021) (-)



#46
 Tetrachloroethene
 Concen: 47.646 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. -0.00 min
 Lab File: VV007855.D
 Acq: 25 Sep 2018 14:46

Tgt Ion:	164	Resp:	67675
Ion	Ratio	Lower	Upper
164	100		
129	89.0	60.9	113.1
131	85.0	58.8	109.2
166	127.4	88.8	164.8



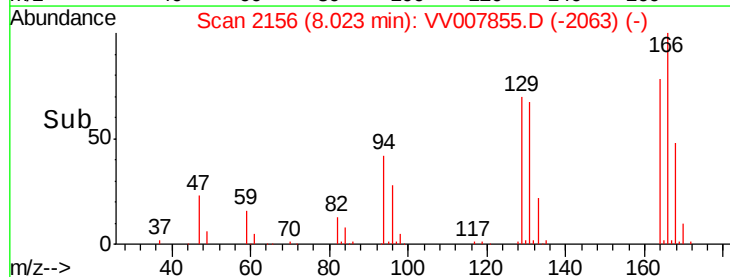
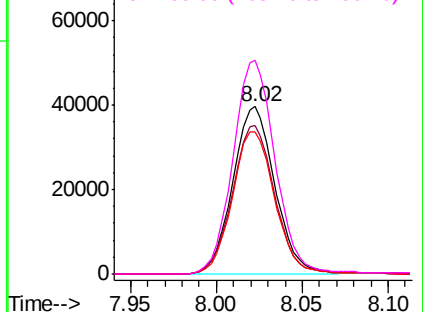
Abundance

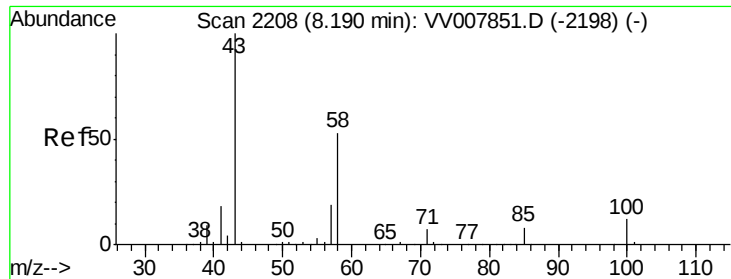
Ion 164.00 (163.70 to 164.70): VV007855.D (-2063) (-)

Ion 129.00 (128.70 to 129.70): VV007855.D (-2063) (-)

Ion 131.00 (130.70 to 131.70): VV007855.D (-2063) (-)

Ion 166.00 (165.70 to 166.70): VV007855.D (-2063) (-)

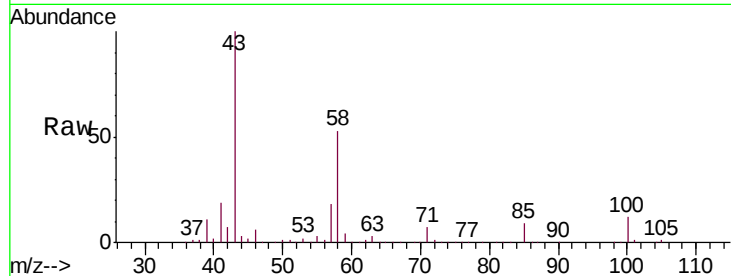




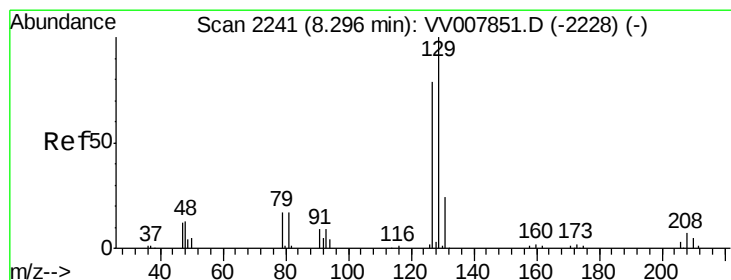
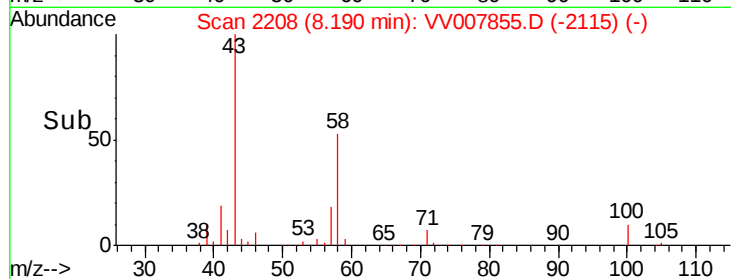
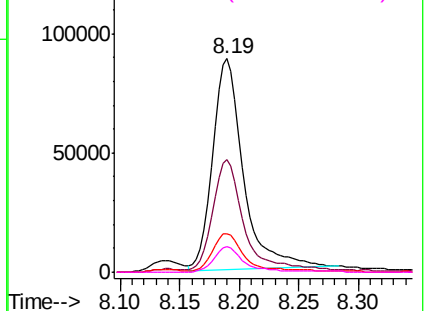
#48
2-Hexanone
Concen: 99.899 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VV007855.D
Acq: 25 Sep 2018 14:46

Instrument :
MSVOA_V
ClientSampleId :
VSTD05076

Tgt Ion:	43	Resp:	158561
Ion	Ratio	Lower	Upper
43	100		
58	52.8	41.1	61.7
57	18.5	14.3	21.5
100	12.1	9.9	14.9

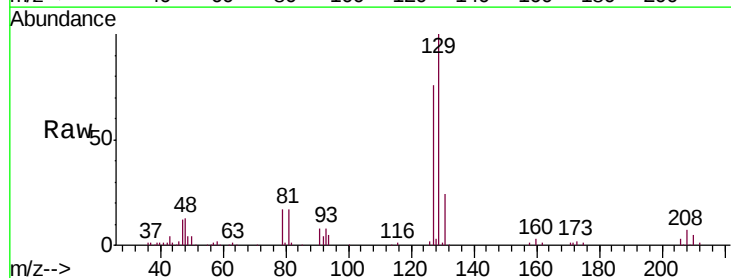


Abundance Ion 43.00 (42.70 to 43.70): VV007855.D (-2198) (-)
Ion 58.00 (57.70 to 58.70): VV007855.D (-2198) (-)
Ion 57.00 (56.70 to 57.70): VV007855.D (-2198) (-)
Ion 100.00 (99.70 to 100.70): VV007855.D (-2198) (-)

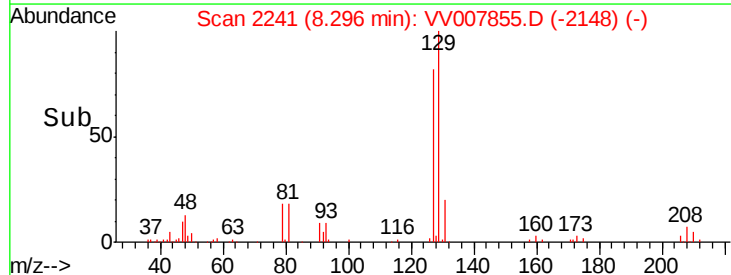
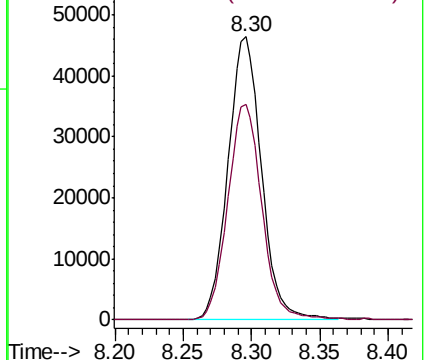


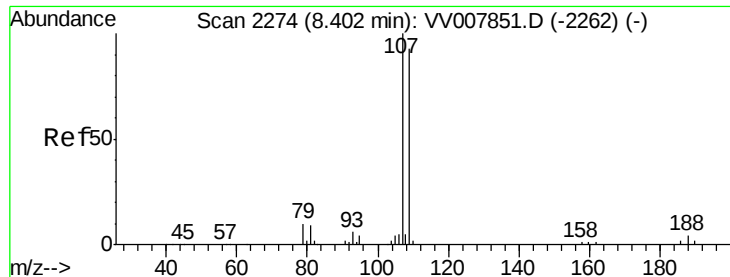
#49
Dibromochloromethane
Concen: 51.015 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VV007855.D
Acq: 25 Sep 2018 14:46

Tgt Ion:	129	Resp:	79217
Ion	Ratio	Lower	Upper
129	100		
127	76.3	55.5	103.1



Abundance Ion 129.00 (128.70 to 129.70): VV007855.D (-2228) (-)
Ion 127.00 (126.70 to 127.70): VV007855.D (-2228) (-)

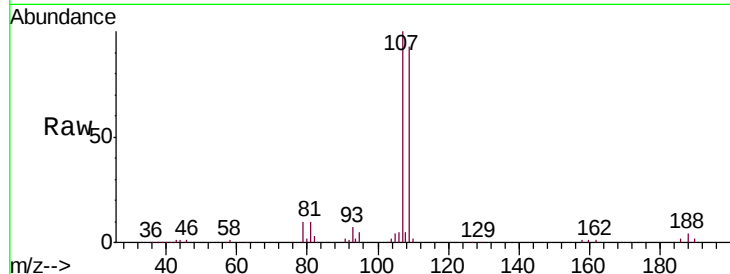




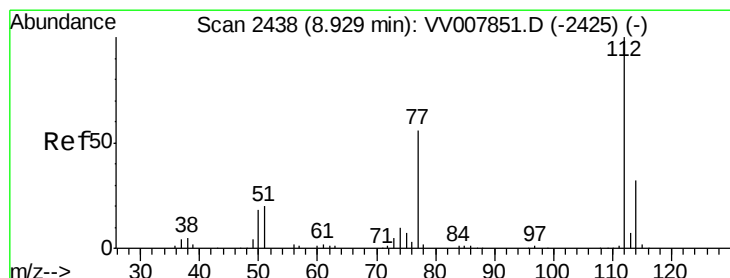
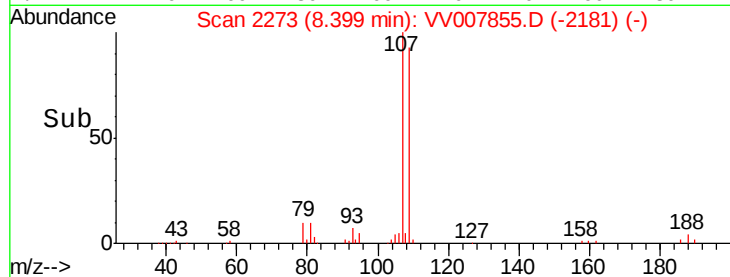
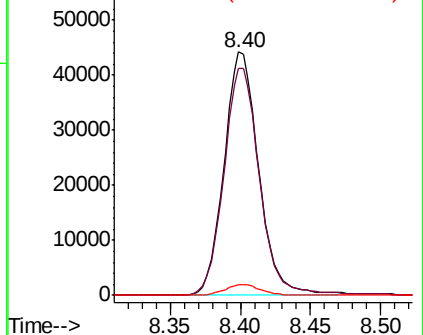
#50
1,2-Dibromoethane
Concen: 49.862 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV007855.D
Acq: 25 Sep 2018 14:46

Instrument :
MSVOA_V
ClientSampleId :
VSTD05076

Tgt Ion:107 Resp: 76138
Ion Ratio Lower Upper
107 100
109 93.5 65.3 121.3
188 4.2 3.5 5.3

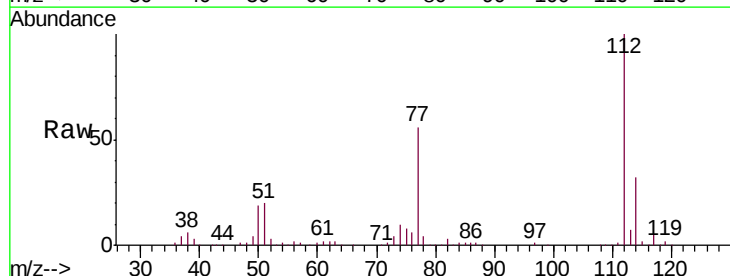


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

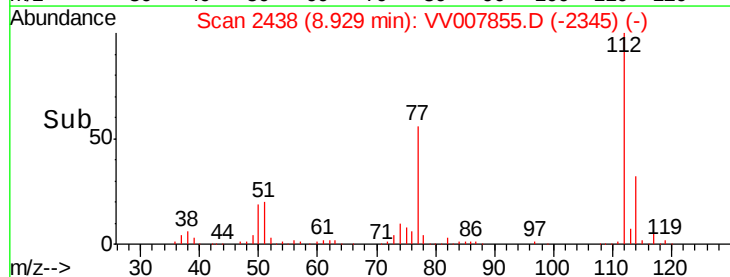
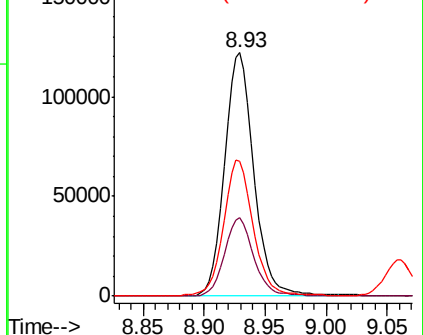


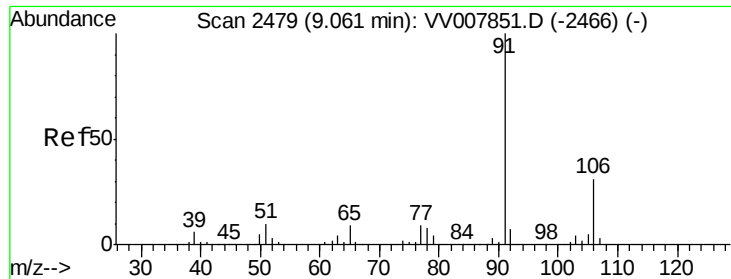
#51
Chlorobenzene
Concen: 49.545 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. -0.00 min
Lab File: VV007855.D
Acq: 25 Sep 2018 14:46

Tgt Ion:112 Resp: 205889
Ion Ratio Lower Upper
112 100
114 32.0 22.3 41.5
77 55.6 45.2 67.8



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 50.246 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV007855.D

Acq: 25 Sep 2018 14:46

Instrument :

MSVOA_V

ClientSampleId :

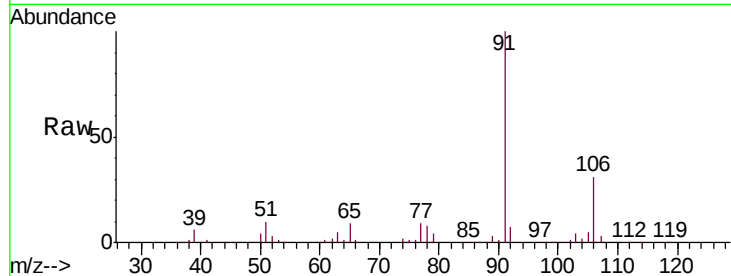
VSTD05076

Tgt Ion: 91 Resp: 340759

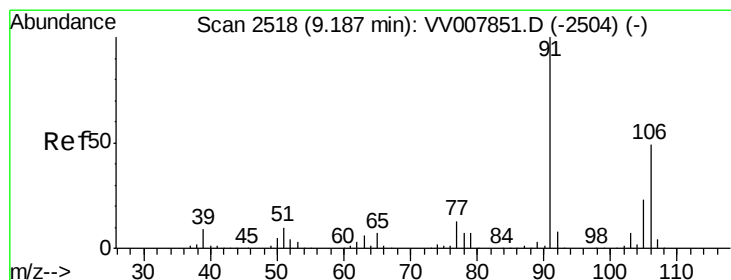
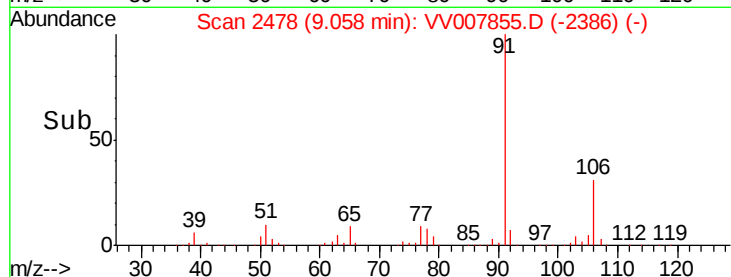
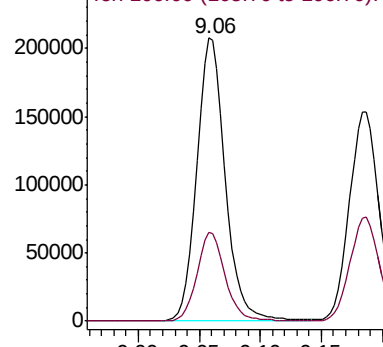
Ion Ratio Lower Upper

91 100

106 31.5 21.9 40.7



Abundance Ion 91.00 (90.70 to 91.70): VV007855.D (-2466) (-)



#53

m,p-Xylene

Concen: 50.000 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. -0.00 min

Lab File: VV007855.D

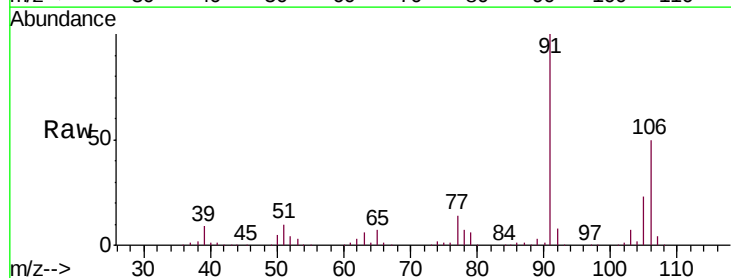
Acq: 25 Sep 2018 14:46

Tgt Ion: 106 Resp: 129192

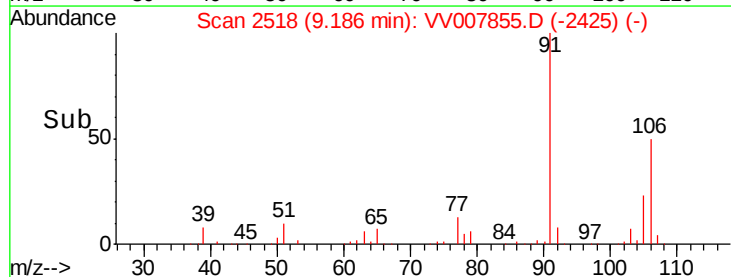
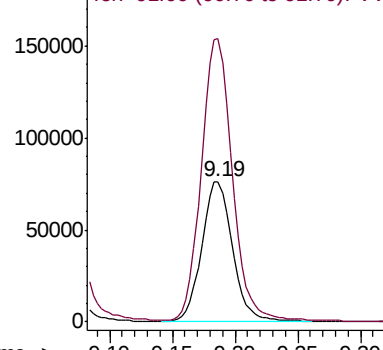
Ion Ratio Lower Upper

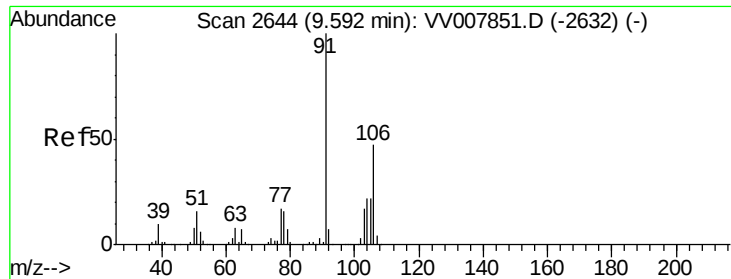
106 100

91 201.9 142.3 264.3



Abundance Ion 106.00 (105.70 to 106.70): VV007855.D (-2504) (-)

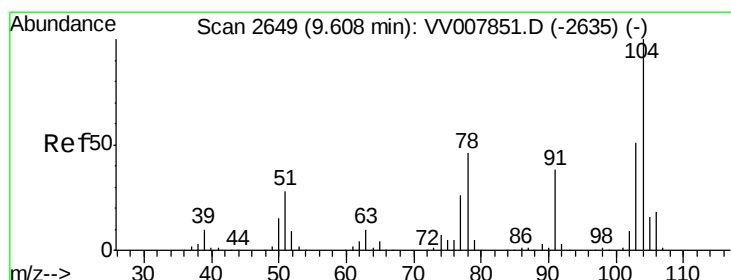
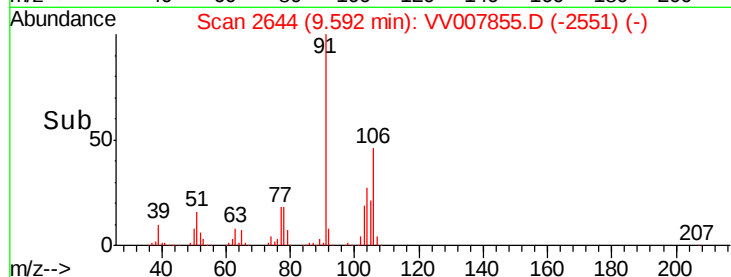
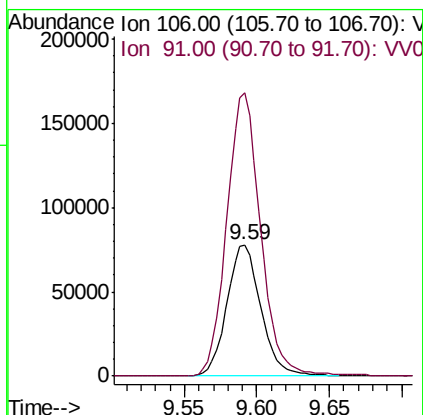
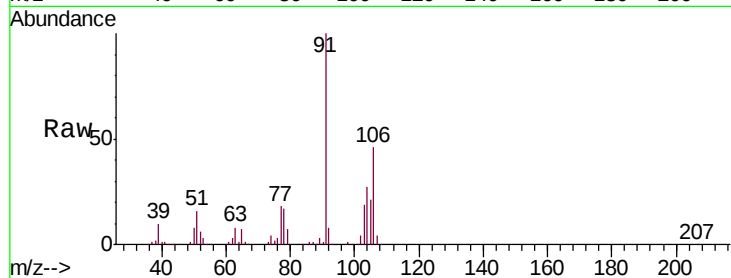




#54
o-xylene
Concen: 50.548 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VV007855.D
Acq: 25 Sep 2018 14:46

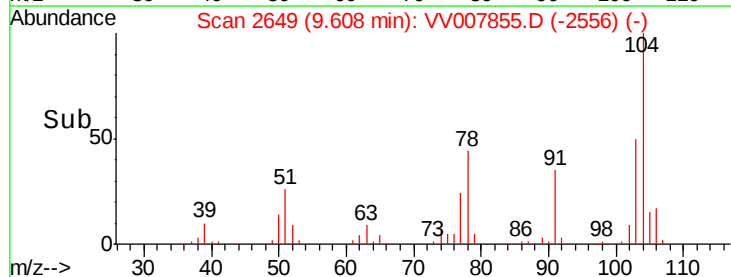
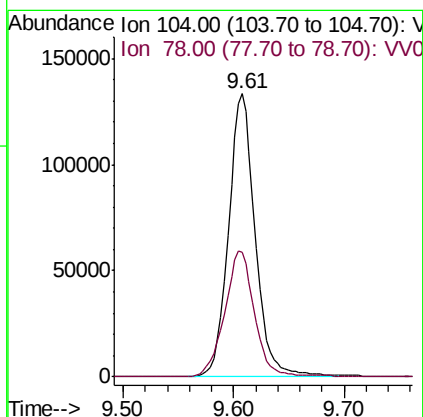
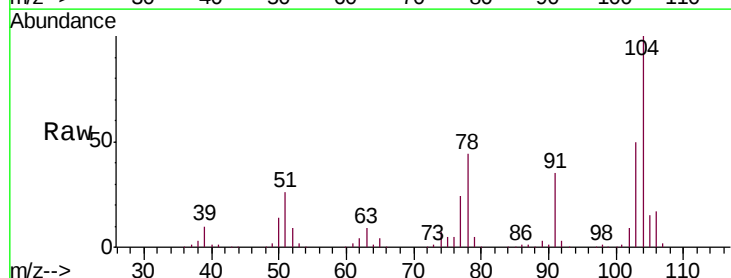
Instrument :
MSVOA_V
ClientSampleId :
VSTD05076

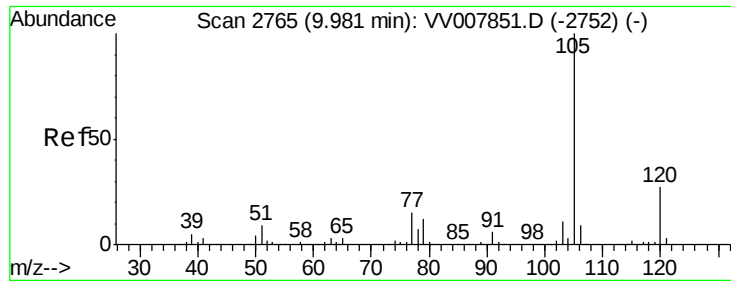
Tgt Ion:106 Resp: 126870
Ion Ratio Lower Upper
106 100
91 215.1 150.6 279.6



#55
Styrene
Concen: 52.044 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. -0.00 min
Lab File: VV007855.D
Acq: 25 Sep 2018 14:46

Tgt Ion:104 Resp: 223742
Ion Ratio Lower Upper
104 100
78 44.0 32.3 60.1





#56

Isopropylbenzene

Concen: 50.076 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV007855.D

Acq: 25 Sep 2018 14:46

Instrument :

MSVOA_V

ClientSampled :

VSTD05076

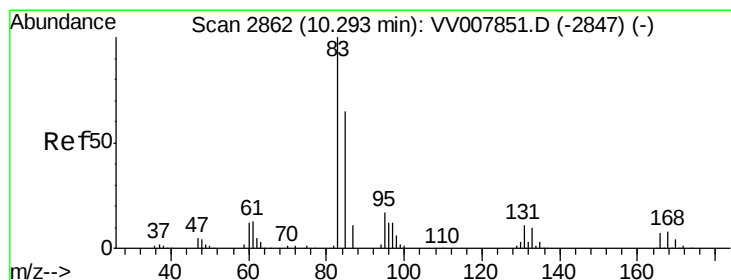
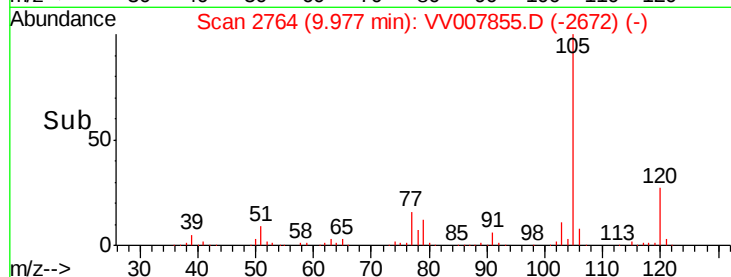
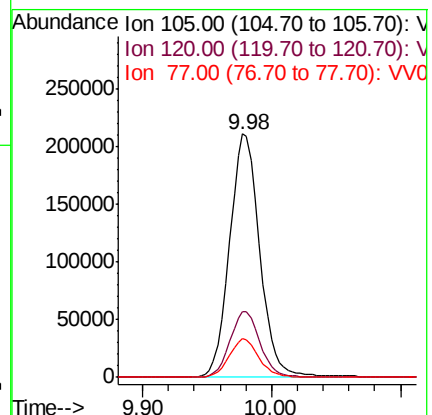
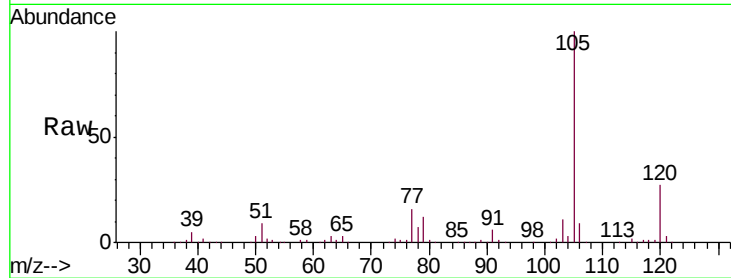
Tgt Ion: 105 Resp: 342576

Ion Ratio Lower Upper

105 100

120 27.0 21.0 31.6

77 15.5 12.5 18.7



#58

1,1,2,2-Tetrachloroethane

Concen: 51.315 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV007855.D

Acq: 25 Sep 2018 14:46

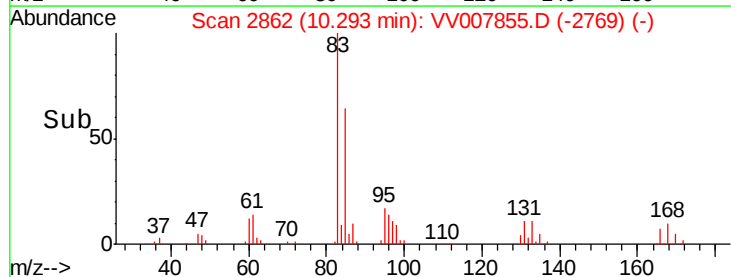
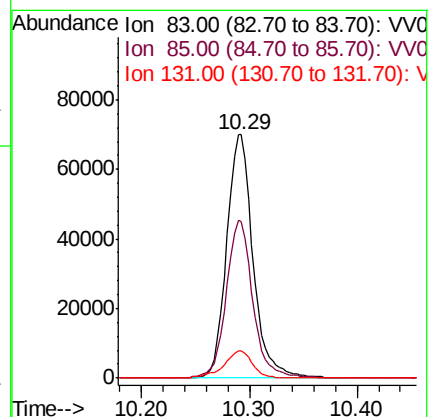
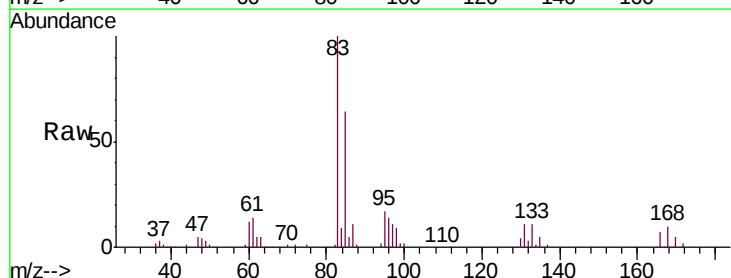
Tgt Ion: 83 Resp: 119094

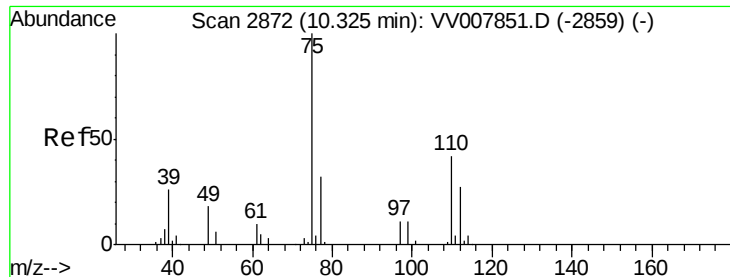
Ion Ratio Lower Upper

83 100

85 64.3 45.8 85.0

131 11.0 9.0 13.4





#59

1,2,3-Trichloropropane

Concen: 50.552 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VV007855.D

Acq: 25 Sep 2018 14:46

Instrument :

MSVOA_V

ClientSampleId :

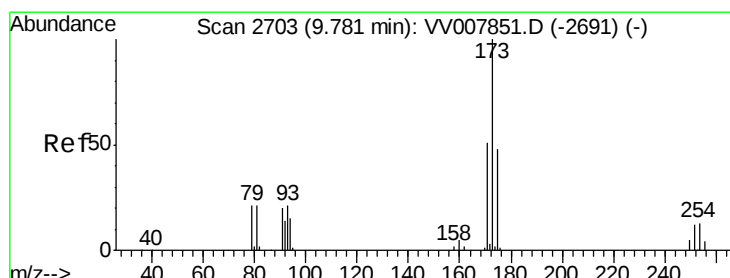
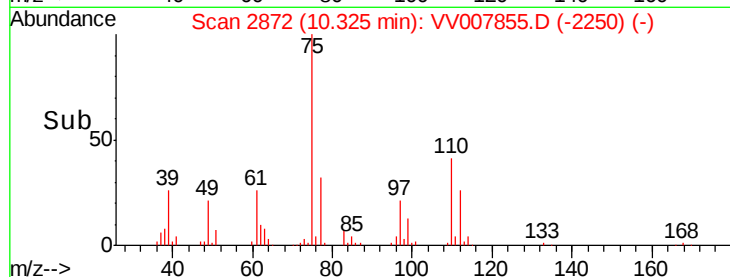
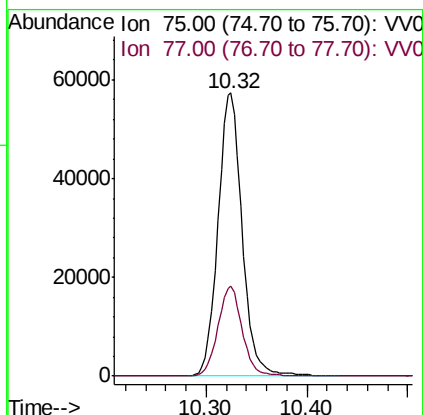
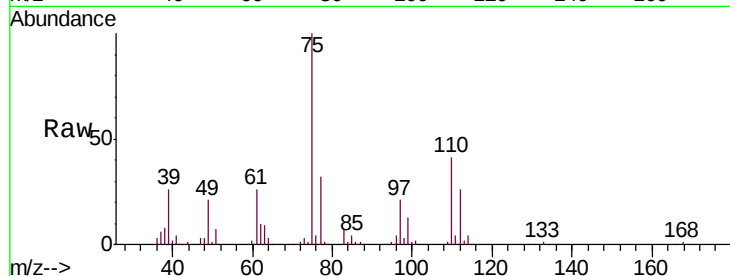
VSTD05076

Tgt Ion: 75 Resp: 95634

Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.6



#61

Bromoform

Concen: 50.741 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. -0.00 min

Lab File: VV007855.D

Acq: 25 Sep 2018 14:46

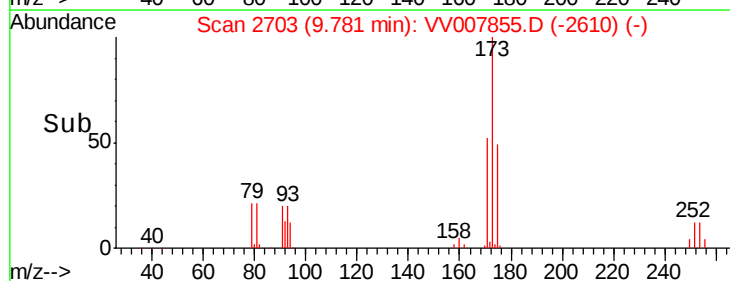
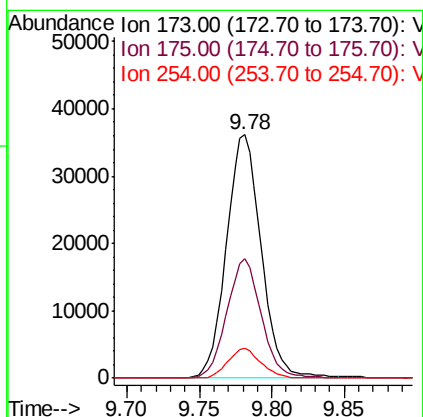
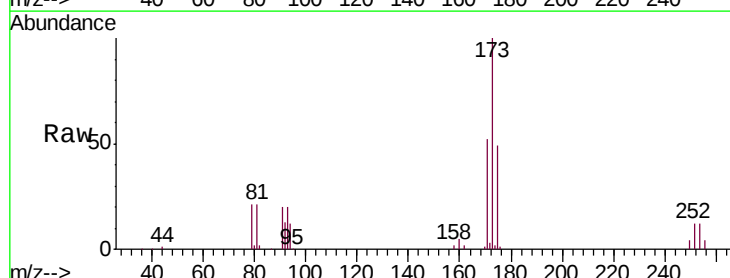
Tgt Ion: 173 Resp: 60144

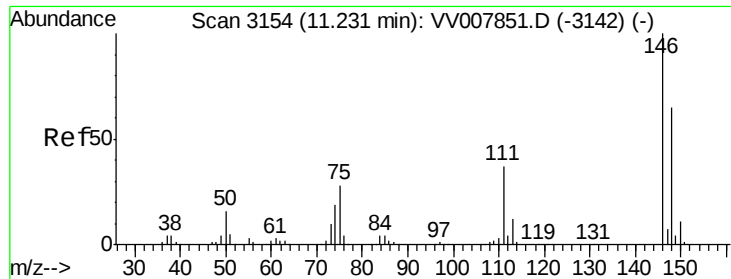
Ion Ratio Lower Upper

173 100

175 48.6 38.5 57.7

254 11.4 9.9 14.9





#62

1,3-Dichlorobenzene

Concen: 50.369 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. -0.00 min

Lab File: VV007855.D

Acq: 25 Sep 2018 14:46

Instrument :

MSVOA_V

ClientSampled :

VSTD05076

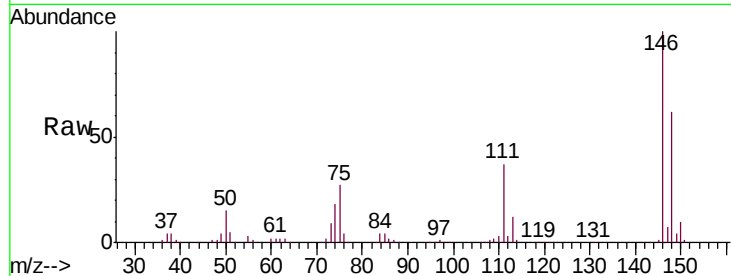
Tgt Ion:146 Resp: 177141

Ion Ratio Lower Upper

146 100

111 36.6 25.6 47.4

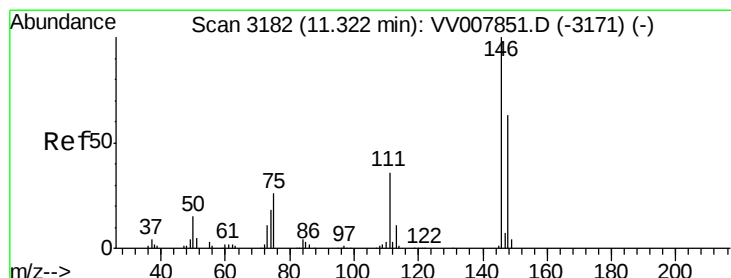
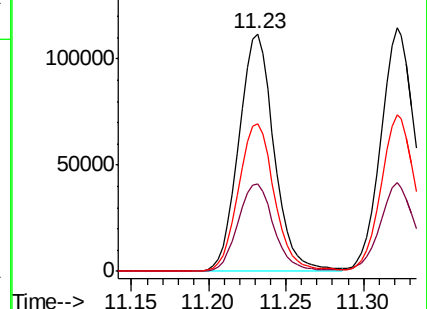
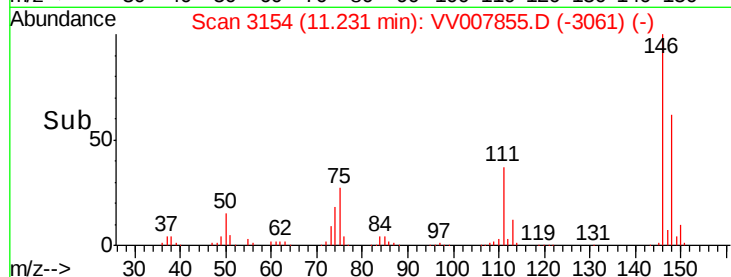
148 62.3 45.4 84.2



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: 49.136 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV007855.D

Acq: 25 Sep 2018 14:46

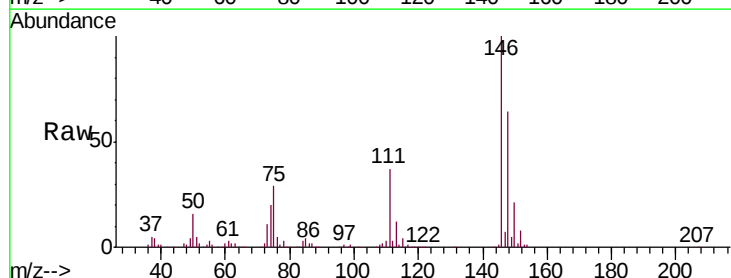
Tgt Ion:146 Resp: 183635

Ion Ratio Lower Upper

146 100

111 36.6 25.2 46.8

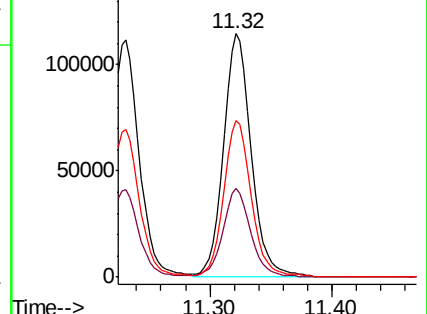
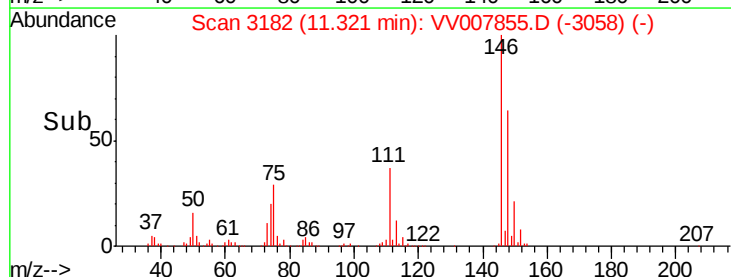
148 64.3 44.2 82.0

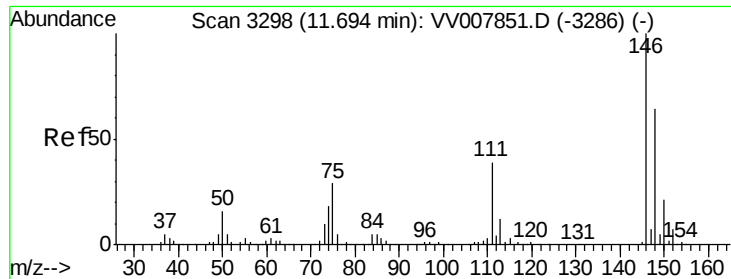


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 49.656 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VV007855.D

Acq: 25 Sep 2018 14:46

Instrument :

MSVOA_V

ClientSampled :

VSTD05076

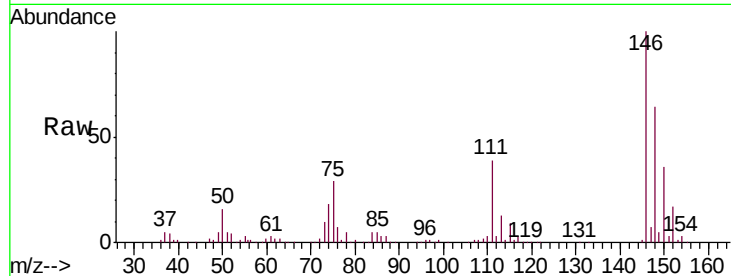
Tgt Ion:146 Resp: 181222

Ion Ratio Lower Upper

146 100

111 39.1 31.2 46.8

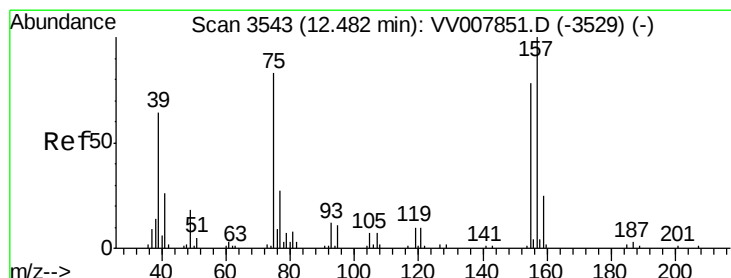
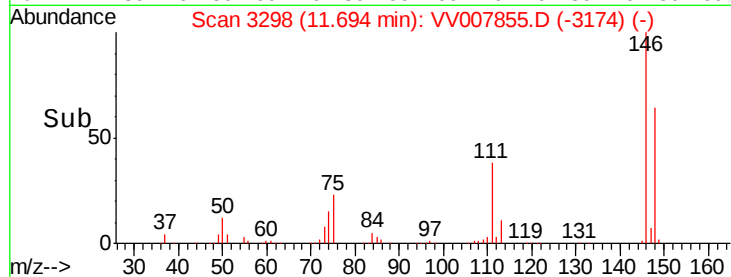
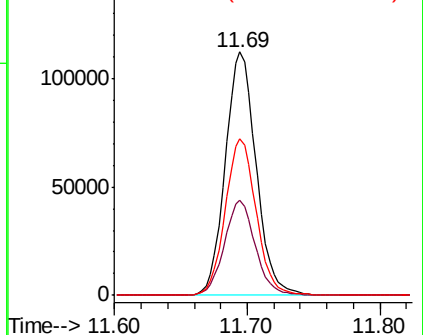
148 64.3 51.5 77.3



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: 50.697 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. -0.00 min

Lab File: VV007855.D

Acq: 25 Sep 2018 14:46

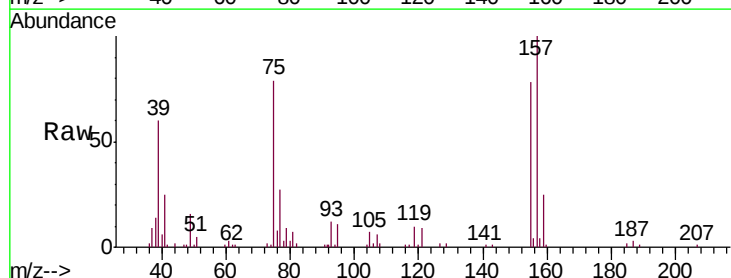
Tgt Ion: 75 Resp: 24208

Ion Ratio Lower Upper

75 100

155 99.6 75.6 113.4

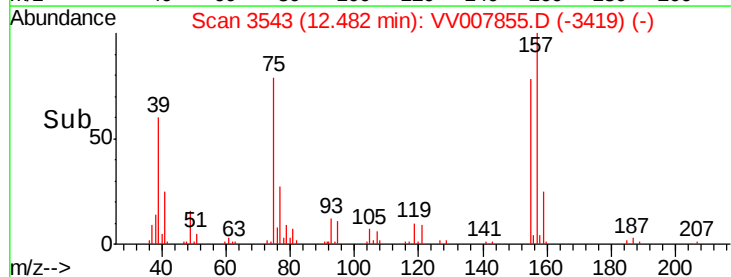
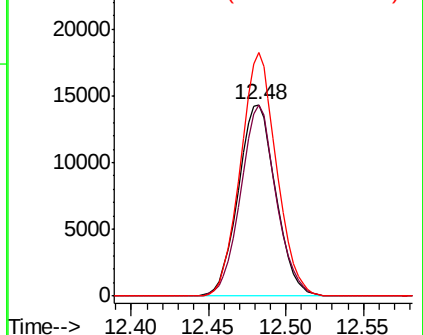
157 127.2 96.5 144.7

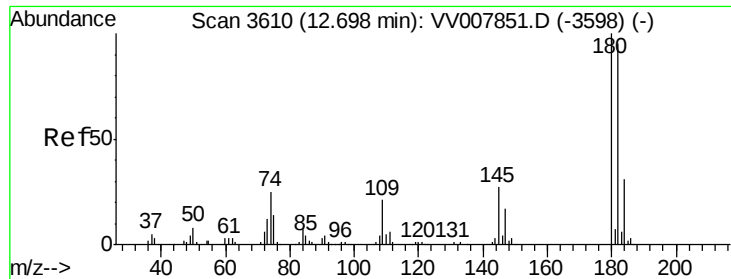


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

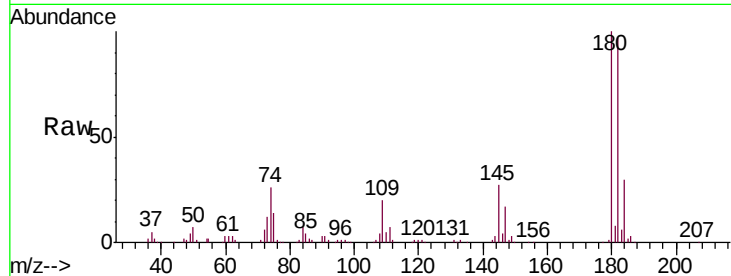




#67
 1,3,5-Trichlorobenzene
 Concen: 49.783 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VV007855.D
 Acq: 25 Sep 2018 14:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05076

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.8	115.2
184	30.4	24.6	36.8
145	27.5	21.7	32.5



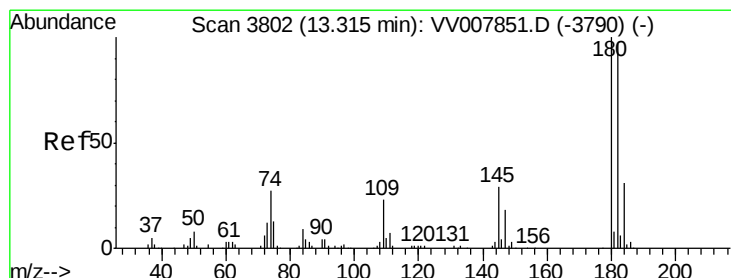
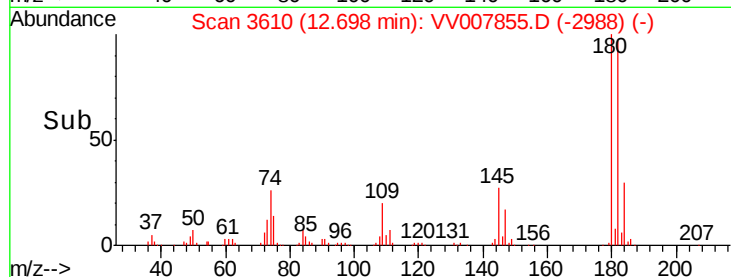
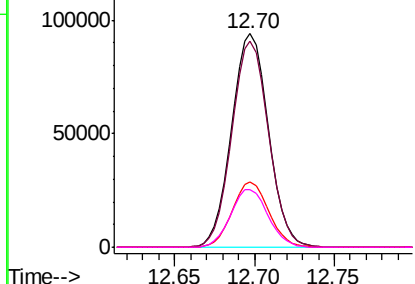
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

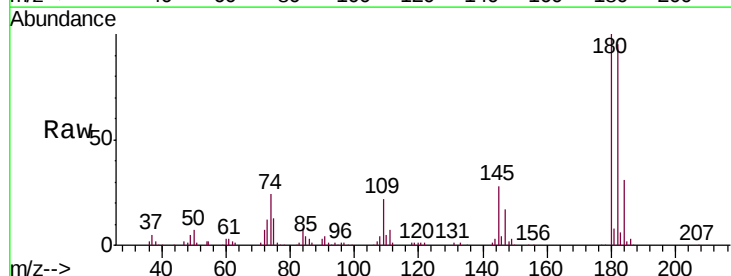
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 51.821 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. -0.00 min
 Lab File: VV007855.D
 Acq: 25 Sep 2018 14:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.6	115.0
145	28.5	22.7	34.1

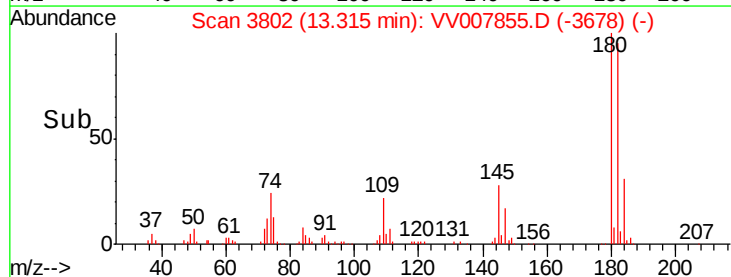
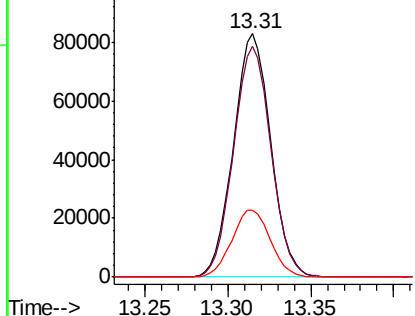


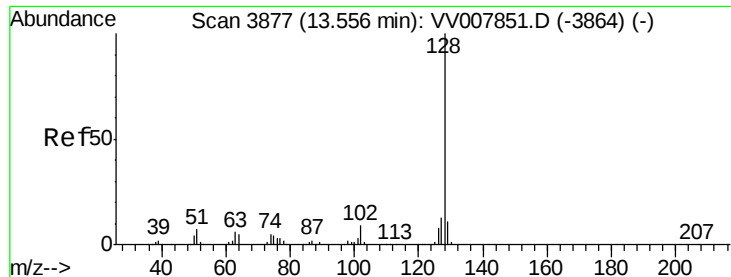
Abundance

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: 54.549 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. -0.00 min

Lab File: VV007855.D

Acq: 25 Sep 2018 14:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD05076

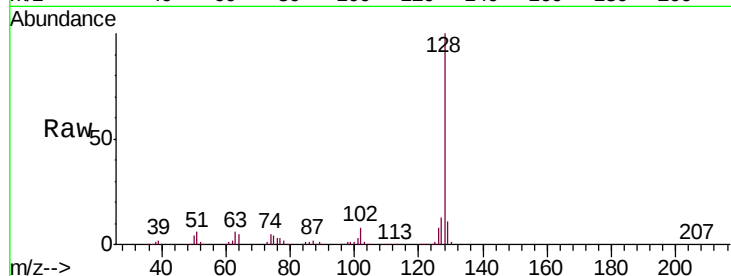
Tgt Ion:128 Resp: 333811

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

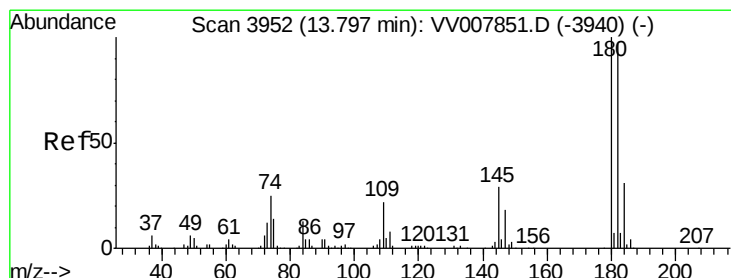
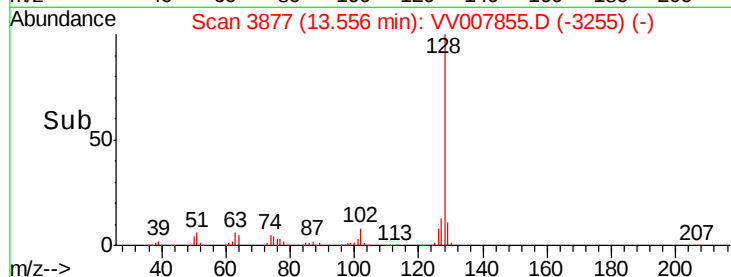
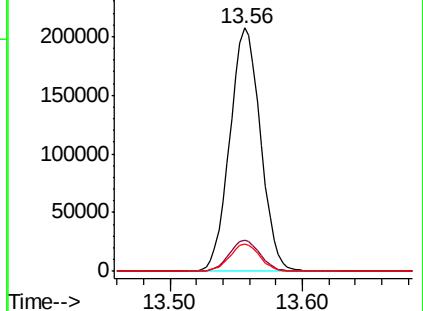
129 10.9 8.6 13.0



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: 52.343 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. -0.00 min

Lab File: VV007855.D

Acq: 25 Sep 2018 14:46

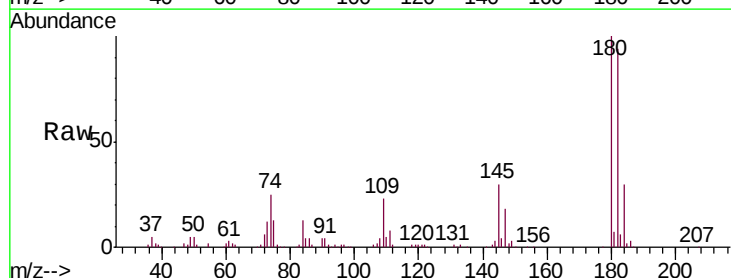
Tgt Ion:180 Resp: 132581

Ion Ratio Lower Upper

180 100

182 94.7 76.7 115.1

145 29.6 23.6 35.4



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

