

Data File : VV007850.D
Acq On : 25 Sep 2018 12:27
Operator : SY/MD
Sample : VSTD01065
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD01065

Quant Time: Sep 26 04:26:49 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092518WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 26 04:25:56 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	191767	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	183453	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	97432	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	12014	9.99	ug/L	0.00
7) Chloroethane-d5	1.59	69	10837	10.44	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	25603	10.00	ug/L	0.00
21) 2-Butanone-d5	3.96	46	11001	13.58	ug/L	0.00
24) Chloroform-d	4.41	84	22890	9.17	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	17763	9.98	ug/L	0.00
32) Benzene-d6	5.11	84	48803	9.93	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.13	67	15311	9.95	ug/L	0.00
41) Toluene-d8	7.36	98	47707	9.63	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	6453	8.81	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	10185	16.17	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	21705	9.56	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	21688	10.01	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	12744	9.371 ug/L	93
3) Chloromethane	1.26	50	13463	10.292 ug/L	96
5) Vinyl chloride	1.33	62	14219	10.127 ug/L	94
6) Bromomethane	1.54	94	7727	9.938 ug/L	98
8) Chloroethane	1.60	64	8520	9.729 ug/L	98
9) Trichlorofluoromethane	1.78	101	23658	10.056 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.15	101	12933	9.837 ug/L	98
12) 1,1-Dichloroethene	2.15	96	11774	9.990 ug/L	90
13) Acetone	2.19	43	19287	19.761 ug/L	95
14) Carbon disulfide	2.32	76	29045	9.435 ug/L	99
15) Methyl Acetate	2.47	43	13420	9.373 ug/L	98
16) Methylene chloride	2.54	84	13201	10.111 ug/L	96
17) trans-1,2-Dichloroethene	2.80	96	12825	10.188 ug/L	97
18) Methyl tert-butyl Ether	2.82	73	38348	9.778 ug/L	98
19) 1,1-Dichloroethane	3.23	63	20896	9.673 ug/L	100
20) cis-1,2-Dichloroethene	3.97	96	13000	9.531 ug/L	95
22) 2-Butanone	4.04	43	21605	19.317 ug/L	97
23) Bromochloromethane	4.31	128	6678	9.411 ug/L	95
25) Chloroform	4.44	83	26427	10.307 ug/L	97
27) 1,2-Dichloroethane	5.19	62	20843	10.257 ug/L	98
29) Cyclohexane	4.73	56	18900	9.634 ug/L	99
30) 1,1,1-Trichloroethane	4.67	97	20254	9.748 ug/L	97
31) Carbon tetrachloride	4.88	117	17020	9.271 ug/L	96
33) Benzene	5.15	78	49219	9.977 ug/L	100
34) Trichloroethene	5.96	95	13869	10.135 ug/L	92
35) Methylcyclohexane	6.18	83	19963	9.299 ug/L	97
37) 1,2-Dichloropropane	6.23	63	13159	10.002 ug/L	99
38) Bromodichloromethane	6.56	83	15454	9.281 ug/L	95
39) cis-1,3-Dichloropropene	7.08	75	15871	8.310 ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	35364	19.022 ug/L	97

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Quant Title : VOC Analysis
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	53282	9.586	ug/L	97
44) trans-1,3-Dichloropropene	7.70	75	16791	8.845	ug/L	96
45) 1,1,2-Trichloroethane	7.89	97	12815	9.747	ug/L	97
46) Tetrachloroethene	8.02	164	13050	9.924	ug/L	97
48) 2-Hexanone	8.19	43	26511	18.042	ug/L	98
49) Dibromochloromethane	8.30	129	12607	8.770	ug/L	97
50) 1,2-Dibromoethane	8.40	107	13445	9.511	ug/L	97
51) Chlorobenzene	8.93	112	37315	9.699	ug/L	98
52) Ethylbenzene	9.06	91	59269	9.440	ug/L	98
53) m,p-Xylene	9.19	106	22744	9.508	ug/L	97
54) o-xylene	9.59	106	21397	9.209	ug/L	99
55) Styrene	9.61	104	35201	8.845	ug/L	95
56) Isopropylbenzene	9.98	105	58616	9.255	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	20629	9.601	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	17153	9.794	ug/L	99
61) Bromoform	9.78	173	9082	8.839	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	29967	9.830	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	31868	9.837	ug/L	95
65) 1,2-Dichlorobenzene	11.70	146	31094	9.829	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	3660	8.842	ug/L	91
67) 1,3,5-Trichlorobenzene	12.70	180	24388	9.489	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	19072	8.795	ug/L	98
69) Naphthalene	13.56	128	41193	7.766	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	19710	8.977	ug/L	98

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

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MSVOA_V
ClientSampleId :
VSTD01065

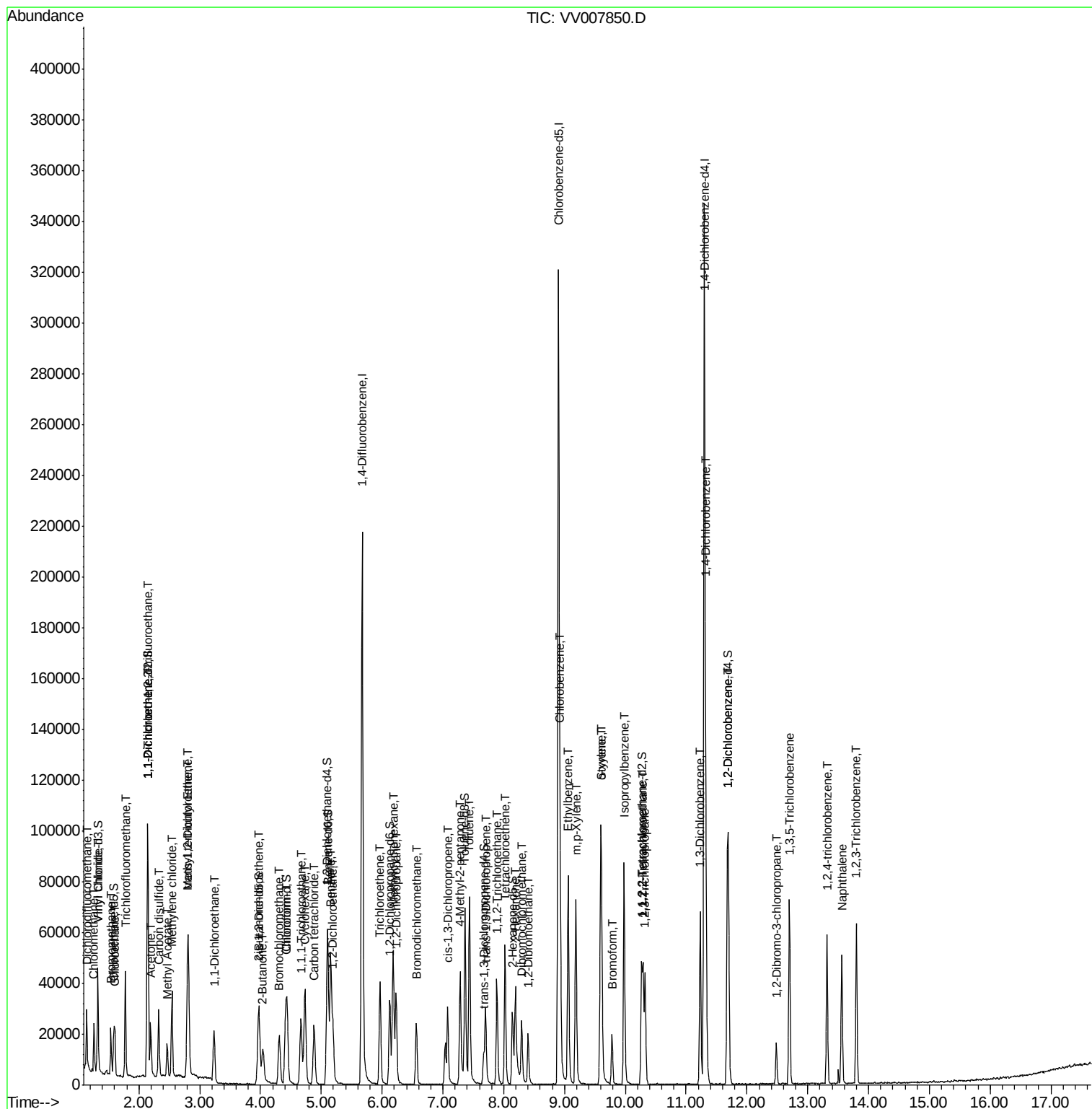
Quant Time: Sep 26 04:26:49 2018

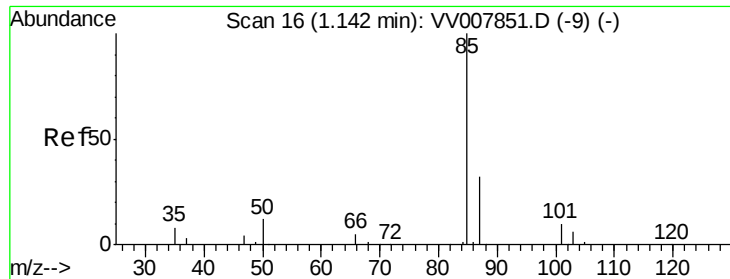
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVLM092518WMA.M

Quant Title : VOC Analysis

QLast Update : Wed Sep 26 04:25:56 2018

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 9.371 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.00 min

Lab File: VV007850.D

Acq: 25 Sep 2018 12:27

Instrument :

MSVOA_V

ClientSampleId :

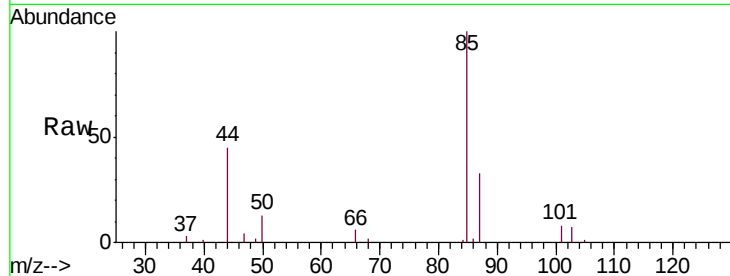
VSTD01065

Tgt Ion: 85 Resp: 12744

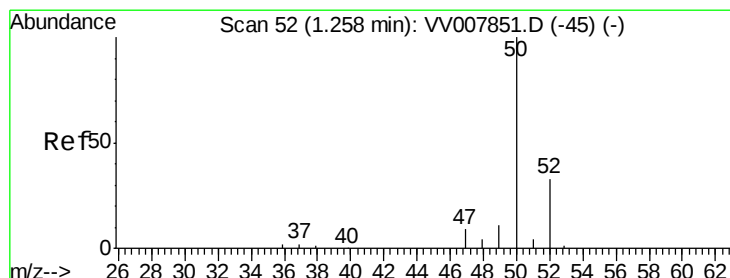
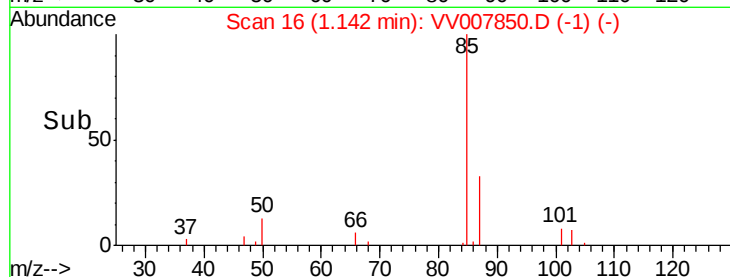
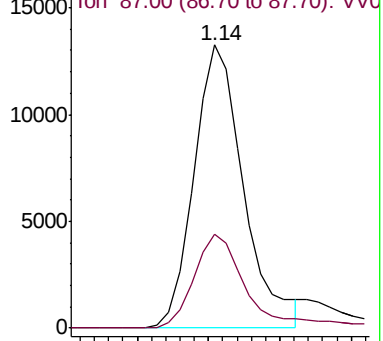
Ion Ratio Lower Upper

85 100

87 36.1 25.8 38.8



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



#3

Chloromethane

Concen: 10.292 ug/L

RT: 1.26 min Scan# 53

Delta R.T. 0.00 min

Lab File: VV007850.D

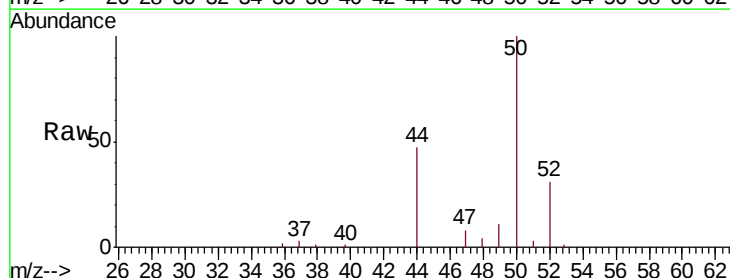
Acq: 25 Sep 2018 12:27

Tgt Ion: 50 Resp: 13463

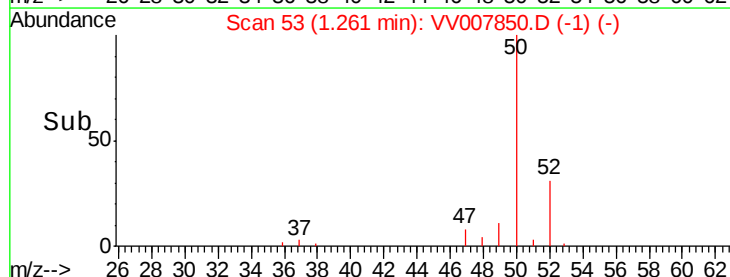
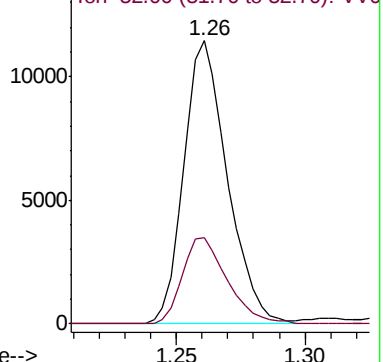
Ion Ratio Lower Upper

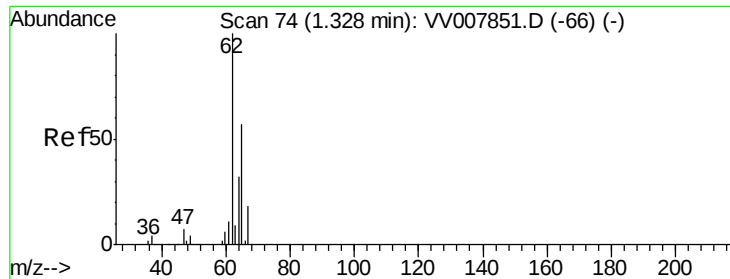
50 100

52 30.6 23.0 42.6



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





#5

Vinyl chloride

Concen: 10.127 ug/L

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VV007850.D

Acq: 25 Sep 2018 12:27

Instrument :

MSVOA_V

ClientSampleId :

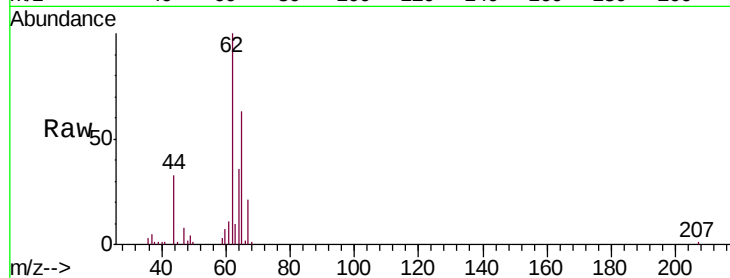
VSTD01065

Tgt Ion: 62 Resp: 14219

Ion Ratio Lower Upper

62 100

64 36.0 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) (-)

1.33

15000

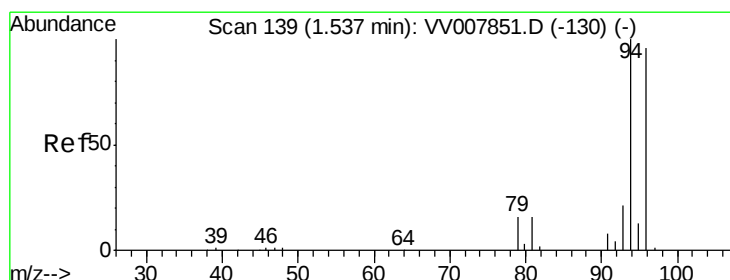
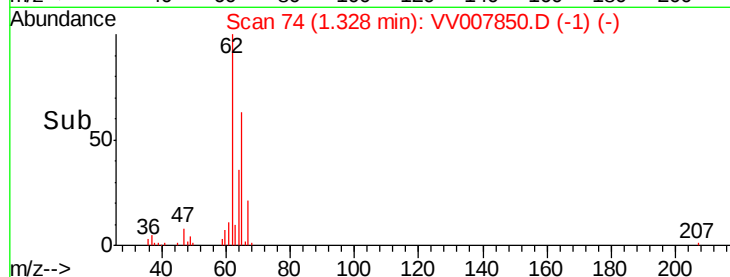
10000

5000

0

1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 9.938 ug/L

RT: 1.54 min Scan# 140

Delta R.T. 0.00 min

Lab File: VV007850.D

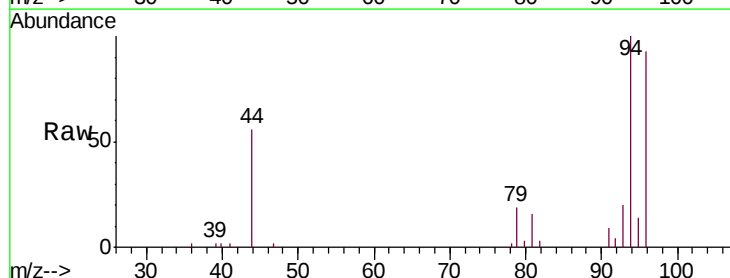
Acq: 25 Sep 2018 12:27

Tgt Ion: 94 Resp: 7727

Ion Ratio Lower Upper

94 100

96 93.2 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) (-)

1.54

6000

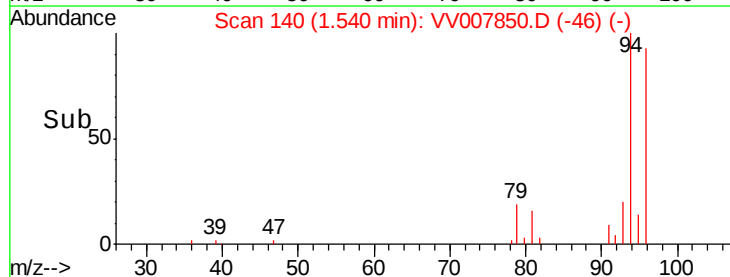
4000

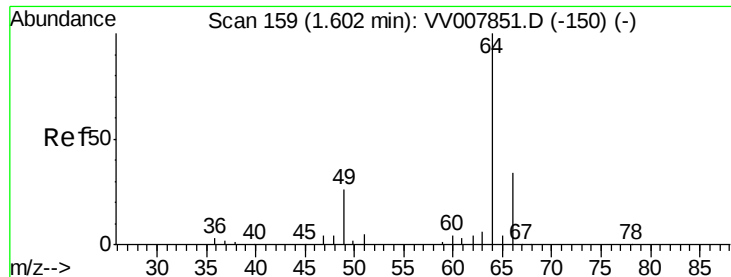
2000

0

1.50 1.55 1.60

Time-->

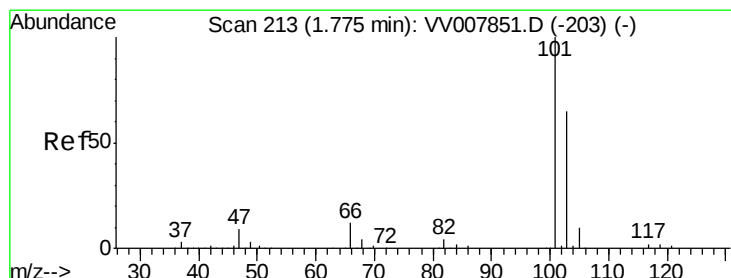
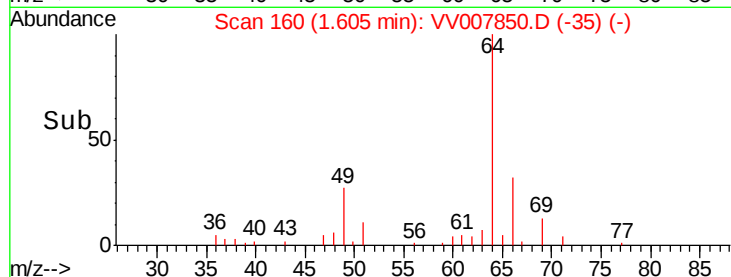
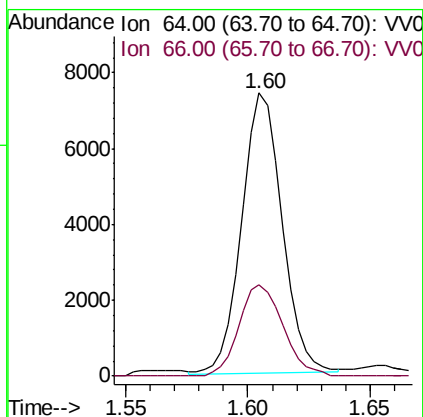
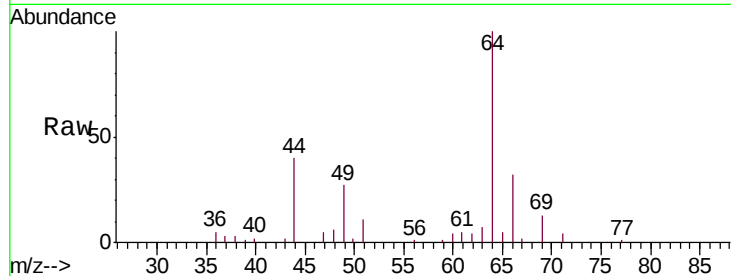




#8
Chloroethane
Concen: 9.729 ug/L
RT: 1.60 min Scan# 160
Delta R.T. 0.00 min
Lab File: VV007850.D
Acq: 25 Sep 2018 12:27

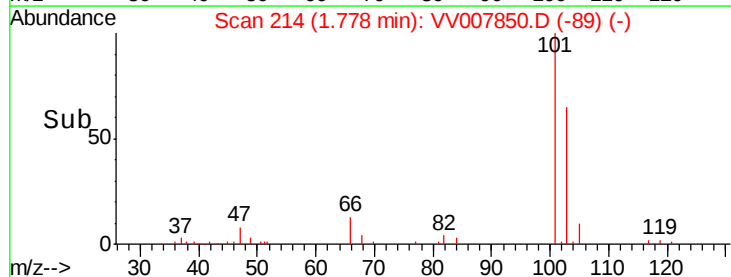
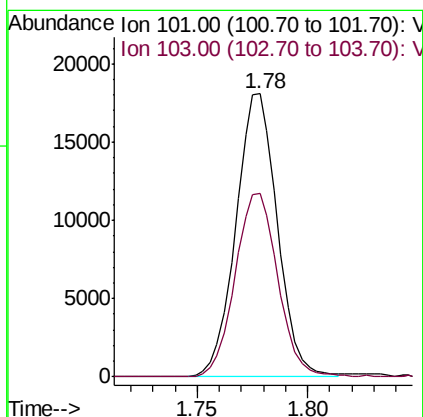
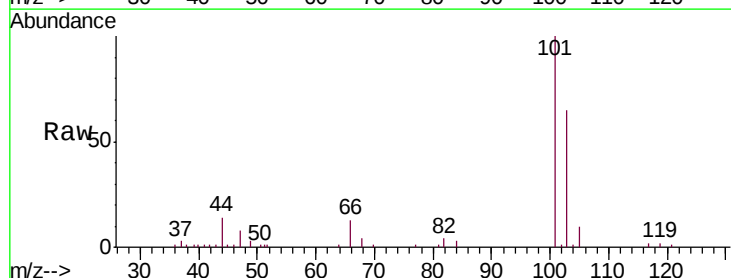
Instrument :
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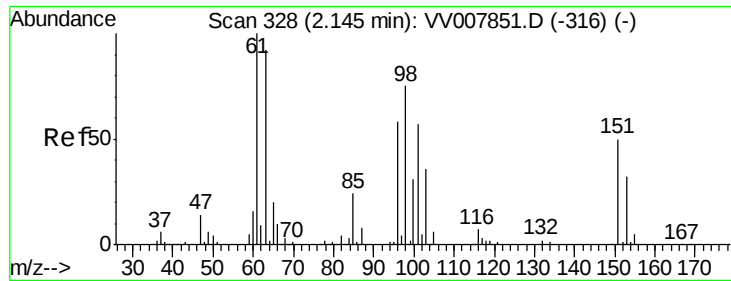
Tgt Ion: 64 Resp: 8520
Ion Ratio Lower Upper
64 100
66 32.4 23.4 43.6



#9
Trichlorofluoromethane
Concen: 10.056 ug/L
RT: 1.78 min Scan# 214
Delta R.T. 0.00 min
Lab File: VV007850.D
Acq: 25 Sep 2018 12:27

Tgt Ion: 101 Resp: 23658
Ion Ratio Lower Upper
101 100
103 66.7 52.4 78.6





#10

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

Concen: 9.837 ug/L

RT: 2.15 min Scan# 329

Delta R.T. 0.00 min

Lab File: VV007850.D

Acq: 25 Sep 2018 12:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD01065

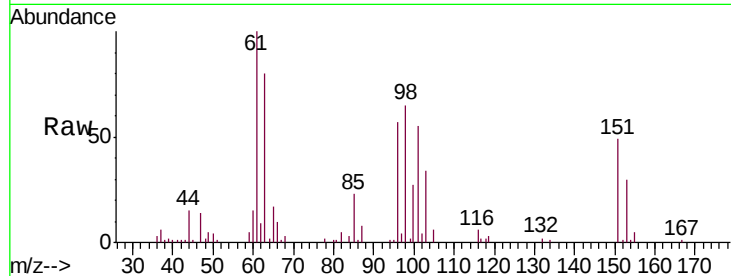
Tgt Ion:101 Resp: 12933

Ion Ratio Lower Upper

101 100

85 43.1 34.2 51.2

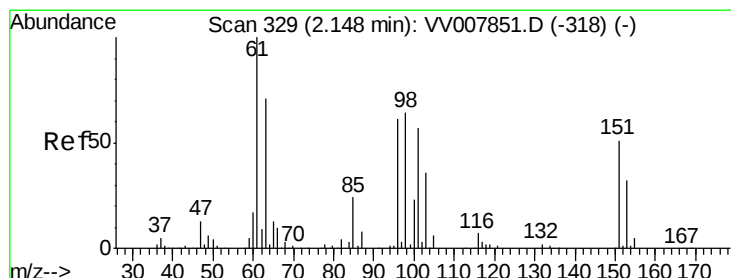
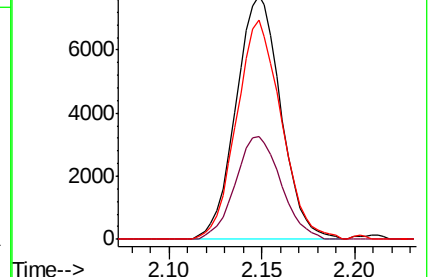
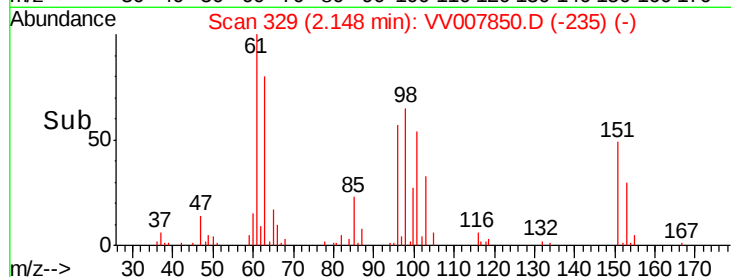
151 90.2 69.7 104.5



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: 9.990 ug/L

RT: 2.15 min Scan# 329

Delta R.T. -0.00 min

Lab File: VV007850.D

Acq: 25 Sep 2018 12:27

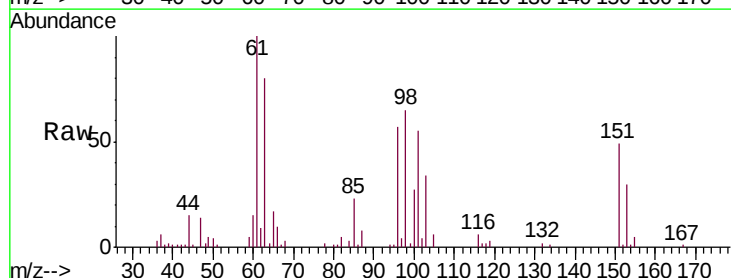
Tgt Ion: 96 Resp: 11774

Ion Ratio Lower Upper

96 100

61 174.2 116.1 215.7

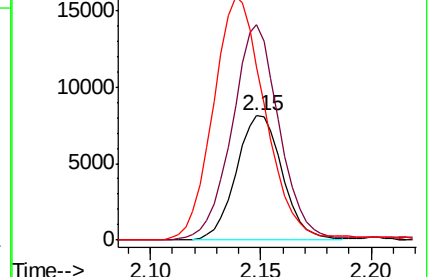
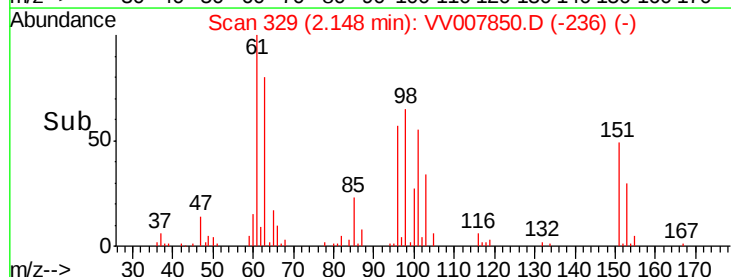
63 139.8 86.5 160.7

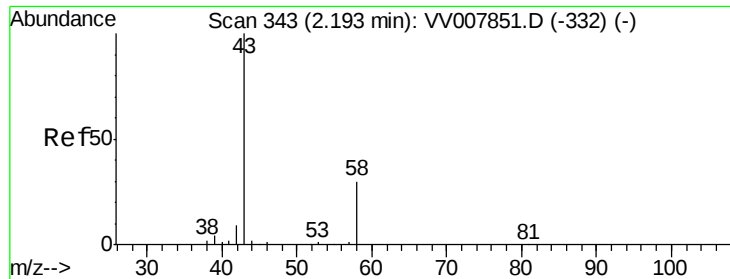


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 19.761 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

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ClientSampleId :

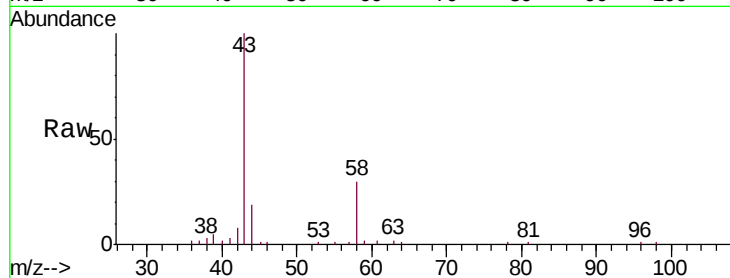
VSTD01065

Tgt Ion: 43 Resp: 19287

Ion Ratio Lower Upper

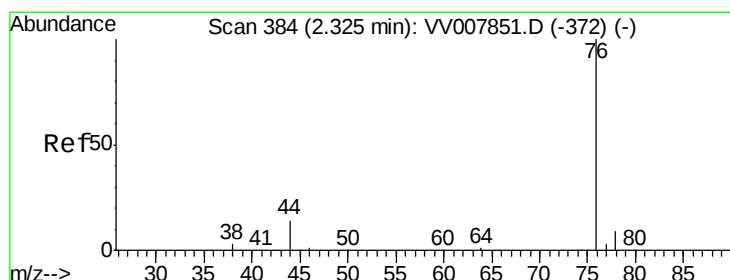
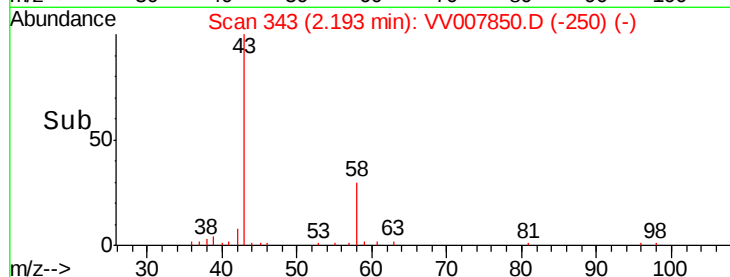
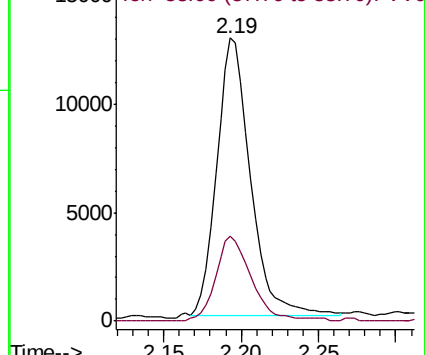
43 100

58 32.5 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VV007850.D (-250) (-)

Ion 58.00 (57.70 to 58.70): VV007850.D (-250) (-)



#14

Carbon disulfide

Concen: 9.435 ug/L

RT: 2.32 min Scan# 384

Delta R.T. -0.00 min

Lab File: VV007850.D

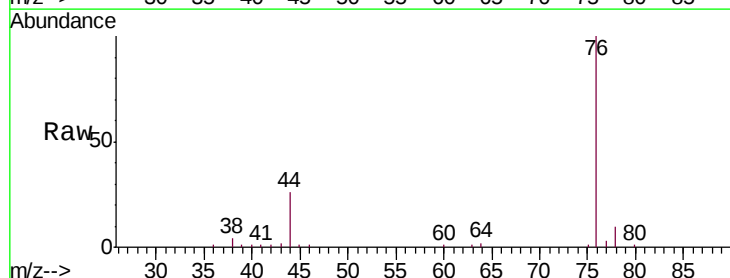
Acq: 25 Sep 2018 12:27

Tgt Ion: 76 Resp: 29045

Ion Ratio Lower Upper

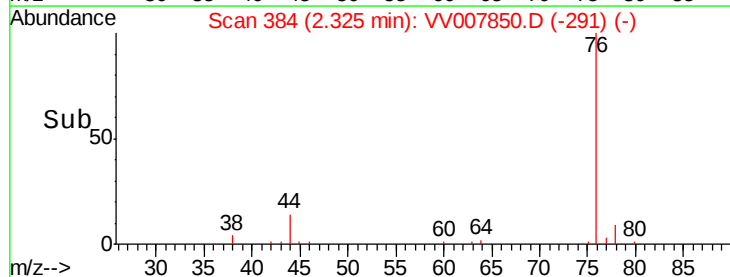
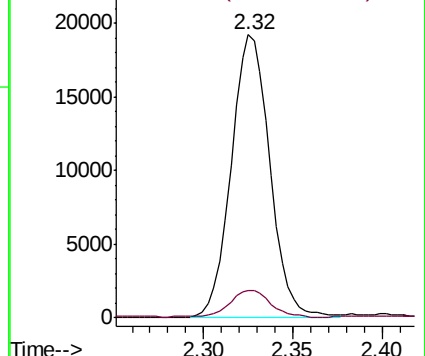
76 100

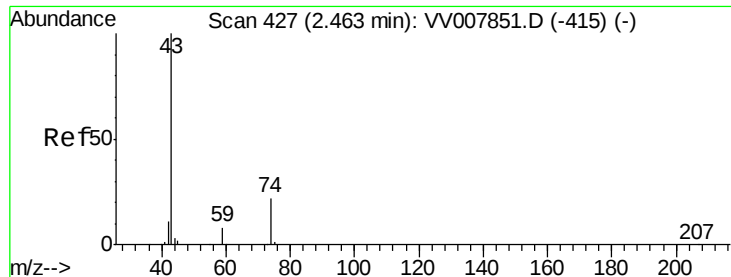
78 9.9 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VV007850.D (-291) (-)

Ion 78.00 (77.70 to 78.70): VV007850.D (-291) (-)

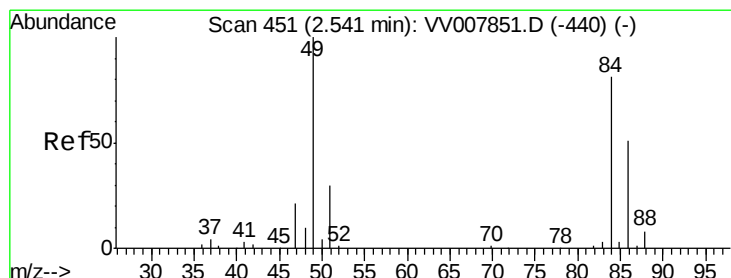
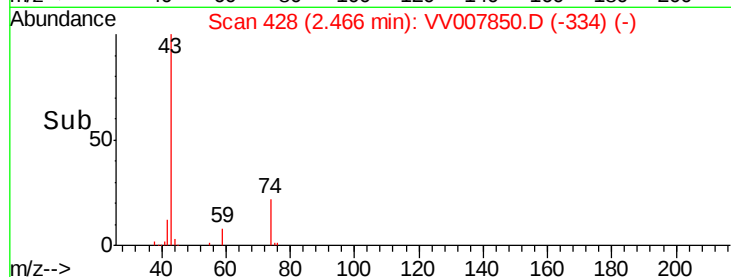
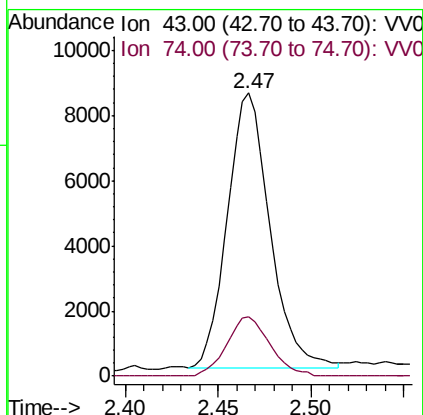
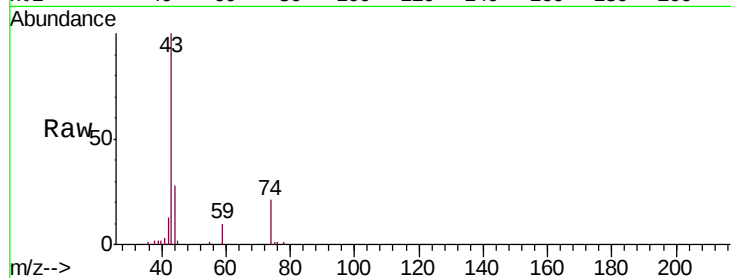




#15
Methyl Acetate
Concen: 9.373 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VV007850.D
Acq: 25 Sep 2018 12:27

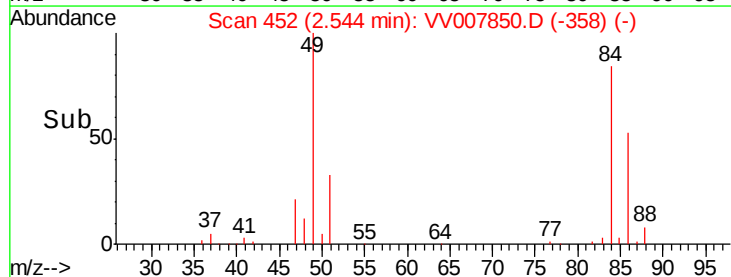
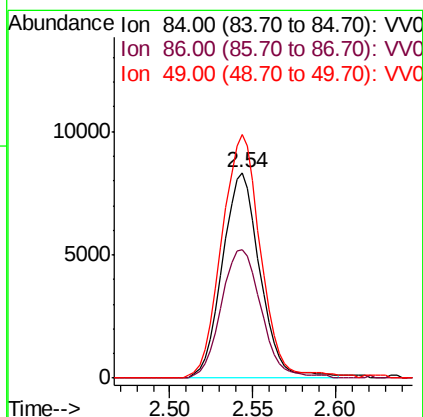
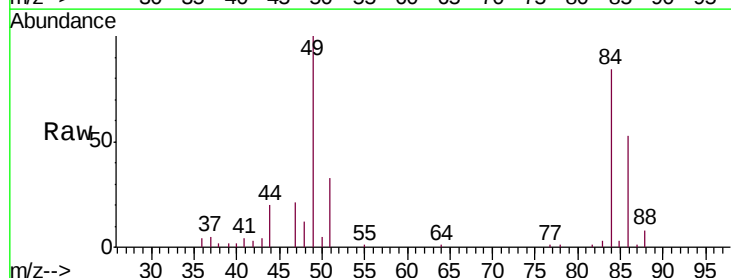
Instrument :
MSVOA_V
ClientSampleId :
VSTD01065

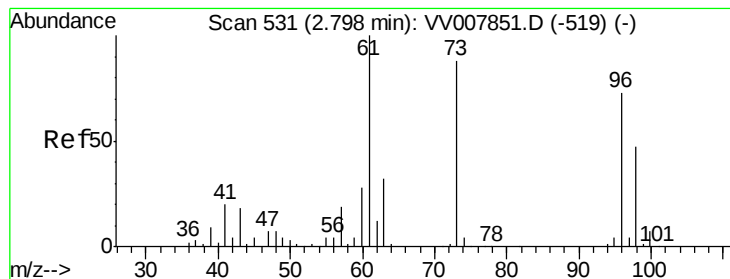
Tgt Ion: 43 Resp: 13420
Ion Ratio Lower Upper
43 100
74 22.0 18.2 27.4



#16
Methylene chloride
Concen: 10.111 ug/L
RT: 2.54 min Scan# 452
Delta R.T. 0.00 min
Lab File: VV007850.D
Acq: 25 Sep 2018 12:27

Tgt Ion: 84 Resp: 13201
Ion Ratio Lower Upper
84 100
86 62.7 44.4 82.4
49 118.4 86.8 161.2





#17

trans-1,2-Dichloroethene

Concen: 10.188 ug/L

RT: 2.80 min Scan# 531

Delta R.T. -0.00 min

Lab File: VV007850.D

Acq: 25 Sep 2018 12:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD01065

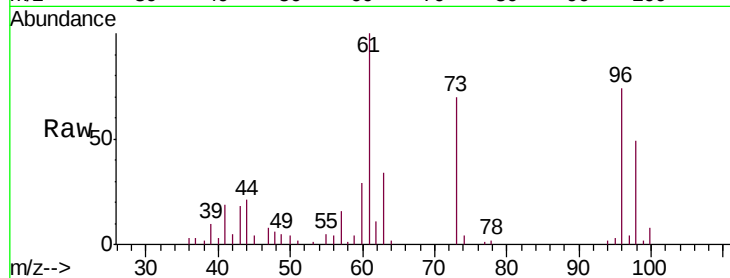
Tgt Ion: 96 Resp: 12825

Ion Ratio Lower Upper

96 100

61 134.9 96.8 179.8

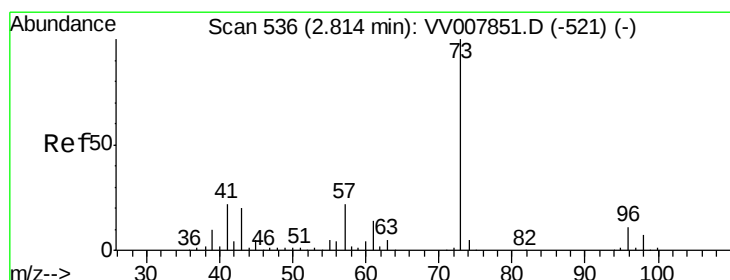
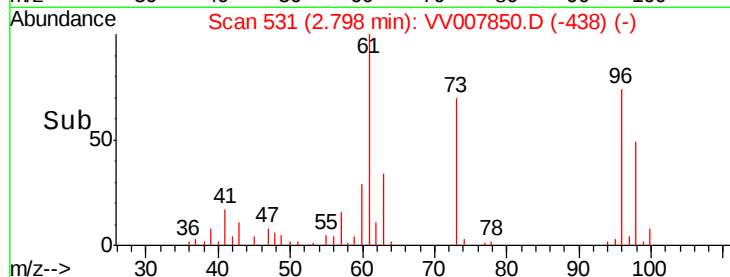
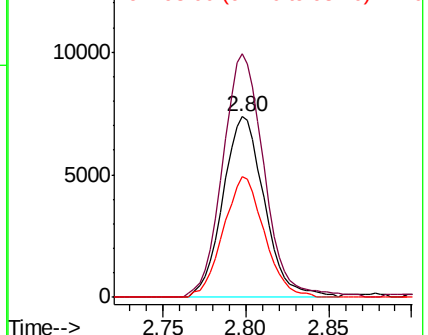
98 66.6 44.9 83.3



Abundance Ion 96.00 (95.70 to 96.70): VV007850.D (-438) (-)

Ion 61.00 (60.70 to 61.70): VV007850.D (-438) (-)

Ion 98.00 (97.70 to 98.70): VV007850.D (-438) (-)



#18

Methyl tert-butyl Ether

Concen: 9.778 ug/L

RT: 2.82 min Scan# 537

Delta R.T. 0.00 min

Lab File: VV007850.D

Acq: 25 Sep 2018 12:27

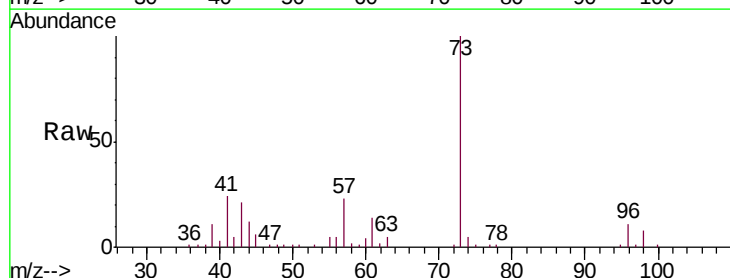
Tgt Ion: 73 Resp: 38348

Ion Ratio Lower Upper

73 100

43 20.5 16.2 24.4

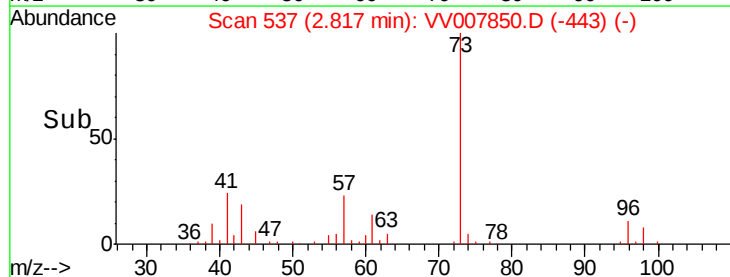
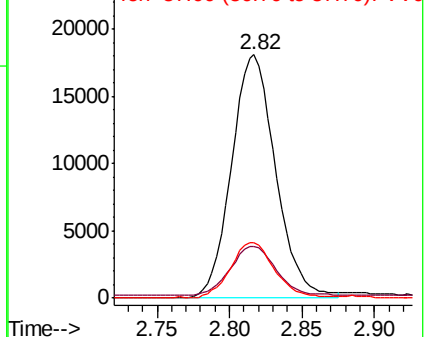
57 23.0 17.1 25.7

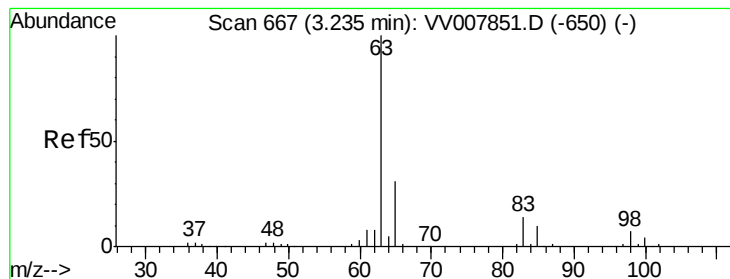


Abundance Ion 73.00 (72.70 to 73.70): VV007850.D (-443) (-)

Ion 43.00 (42.70 to 43.70): VV007850.D (-443) (-)

Ion 57.00 (56.70 to 57.70): VV007850.D (-443) (-)





#19

1,1-Dichloroethane

Concen: 9.673 ug/L

RT: 3.23 min Scan# 667

Delta R.T. -0.00 min

Lab File: VV007850.D

Acq: 25 Sep 2018 12:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD01065

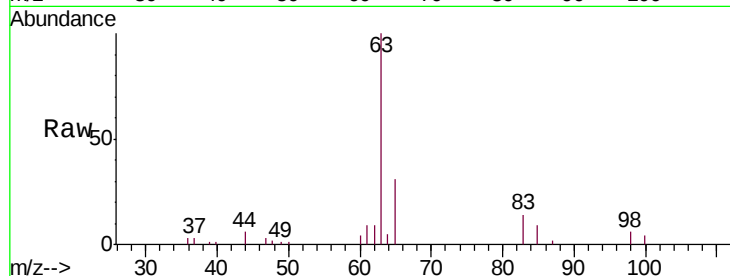
Tgt Ion: 63 Resp: 20896

Ion Ratio Lower Upper

63 100

65 31.1 21.9 40.7

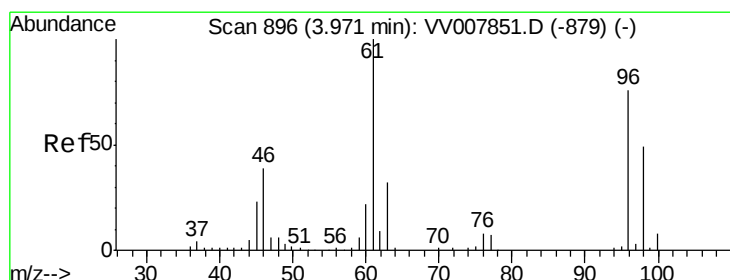
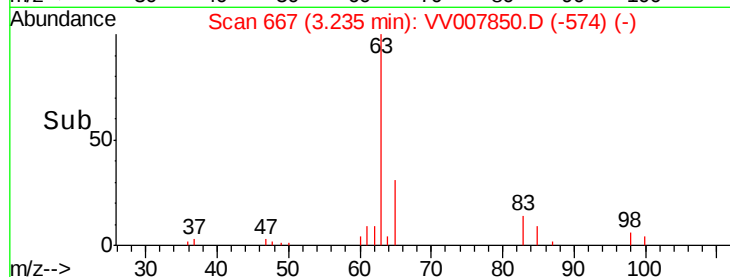
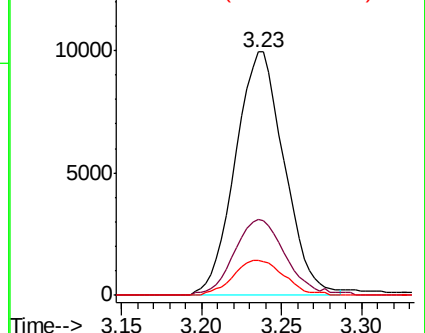
83 14.1 9.7 18.1



Abundance Ion 63.00 (62.70 to 63.70): VV007850.D (-650) (-)

Ion 65.00 (64.70 to 65.70): VV007850.D (-650) (-)

Ion 83.00 (82.70 to 83.70): VV007850.D (-650) (-)



#20

cis-1,2-Dichloroethene

Concen: 9.531 ug/L

RT: 3.97 min Scan# 897

Delta R.T. 0.00 min

Lab File: VV007850.D

Acq: 25 Sep 2018 12:27

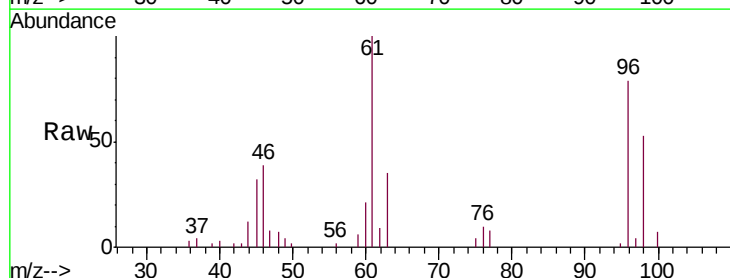
Tgt Ion: 96 Resp: 13000

Ion Ratio Lower Upper

96 100

61 125.9 92.6 172.0

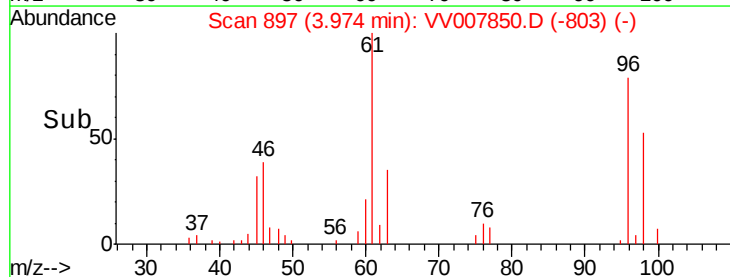
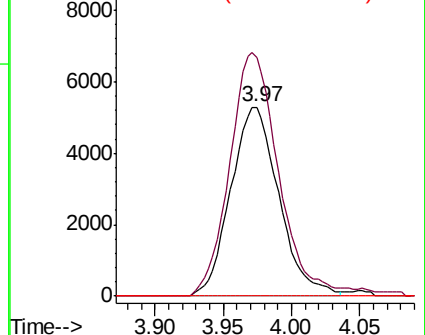
68 0.0 0.0 0.0

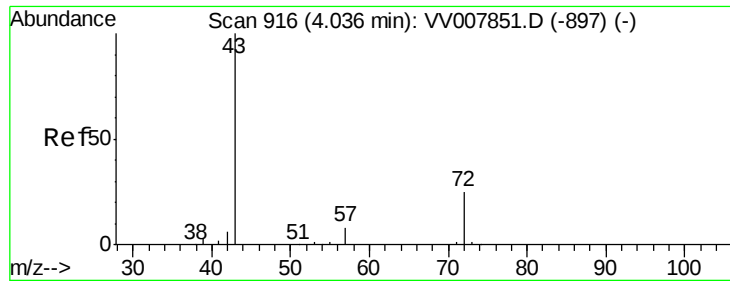


Abundance Ion 96.00 (95.70 to 96.70): VV007850.D (-803) (-)

Ion 61.00 (60.70 to 61.70): VV007850.D (-803) (-)

Ion 68.00 (67.70 to 68.70): VV007850.D (-803) (-)





#22

2-Butanone

Concen: 19.317 ug/L

RT: 4.04 min Scan# 917

Delta R.T. 0.00 min

Lab File: VV007850.D

Acq: 25 Sep 2018 12:27

Instrument :

MSVOA_V

ClientSampleId :

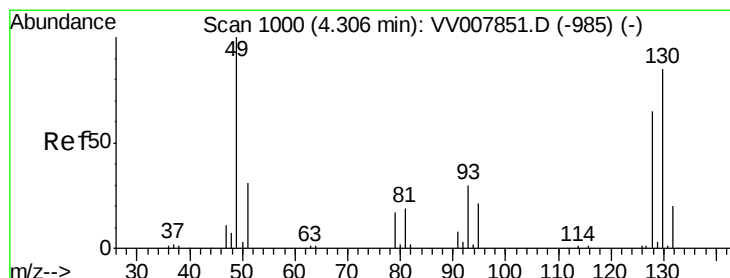
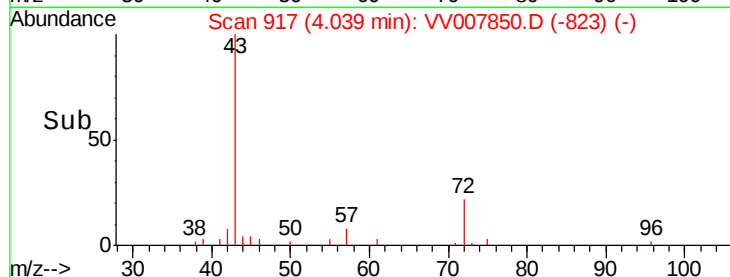
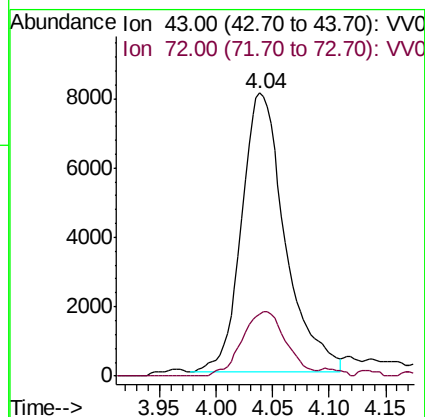
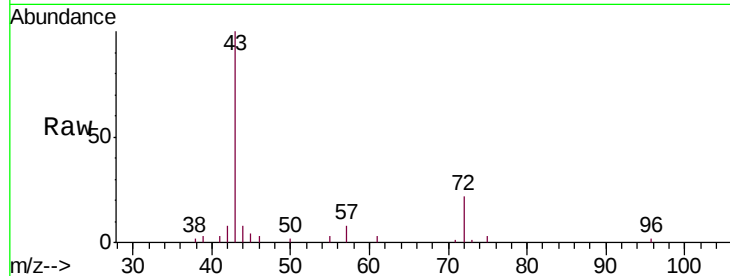
VSTD01065

Tgt Ion: 43 Resp: 21605

Ion Ratio Lower Upper

43 100

72 23.3 12.4 37.2



#23

Bromochloromethane

Concen: 9.411 ug/L

RT: 4.31 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VV007850.D

Acq: 25 Sep 2018 12:27

Tgt Ion: 128 Resp: 6678

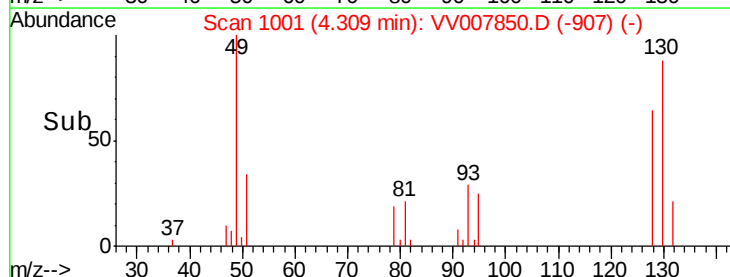
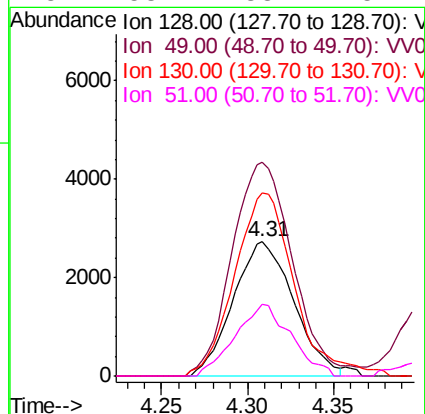
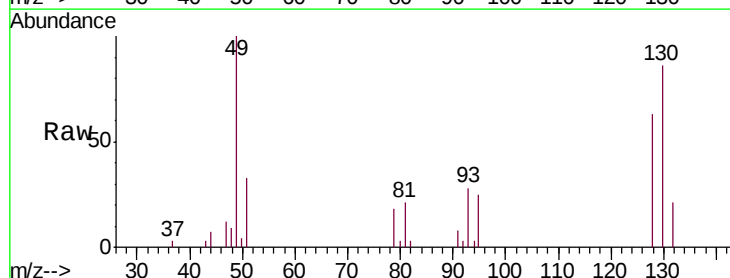
Ion Ratio Lower Upper

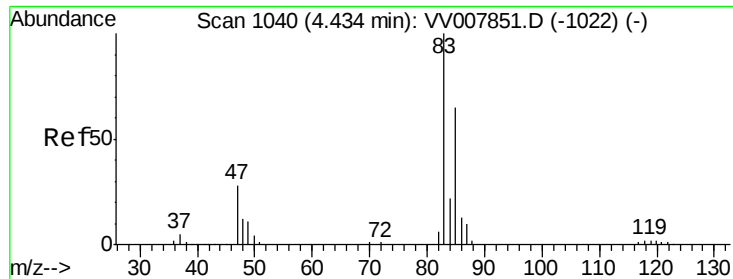
128 100

49 159.2 107.7 199.9

130 136.7 91.1 169.1

51 53.2 38.1 57.1

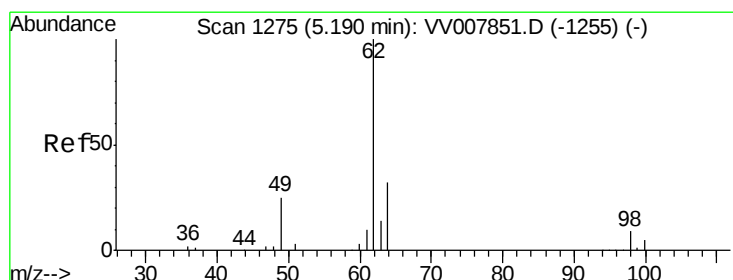
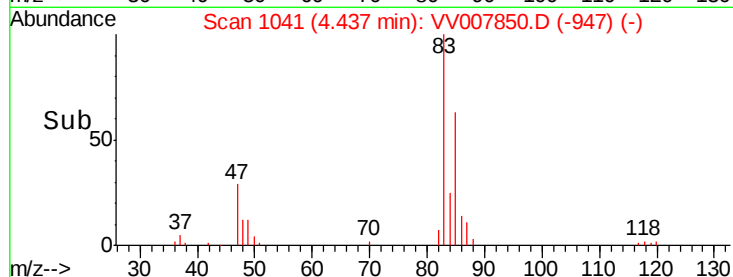
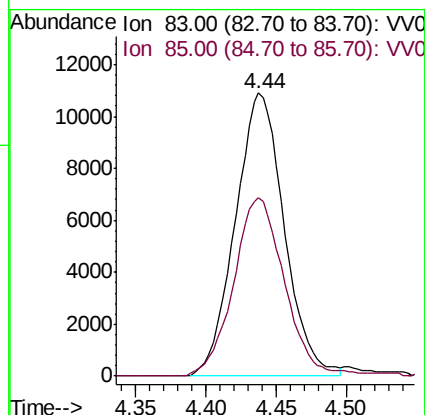
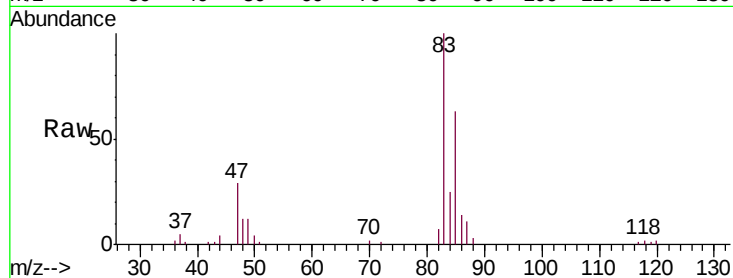




#25
Chloroform
Concen: 10.307 ug/L
RT: 4.44 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VV007850.D
Acq: 25 Sep 2018 12:27

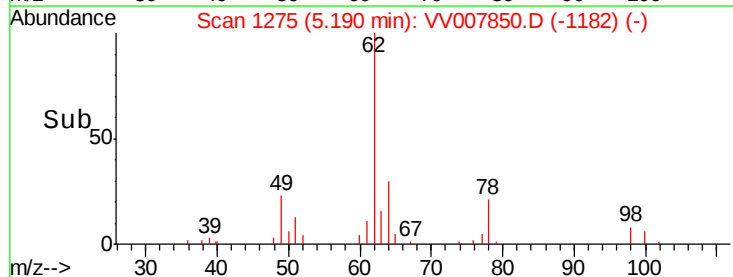
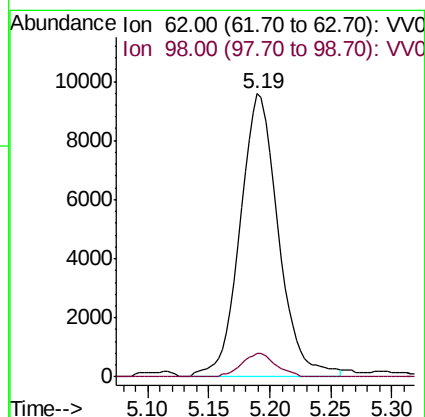
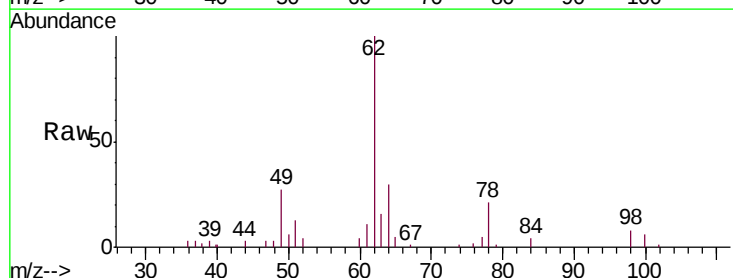
Instrument :
MSVOA_V
ClientSampleId :
VSTD01065

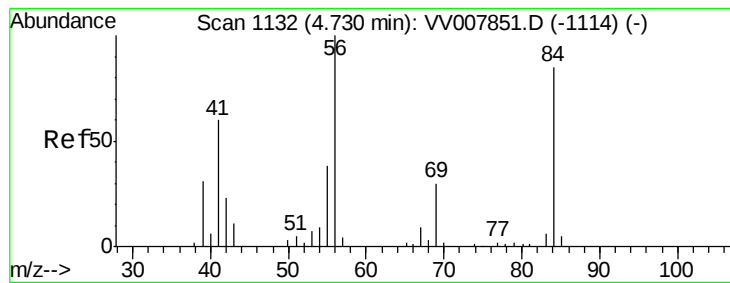
Tgt Ion: 83 Resp: 26427
Ion Ratio Lower Upper
83 100
85 62.9 45.9 85.3



#27
1,2-Dichloroethane
Concen: 10.257 ug/L
RT: 5.19 min Scan# 1275
Delta R.T. -0.00 min
Lab File: VV007850.D
Acq: 25 Sep 2018 12:27

Tgt Ion: 62 Resp: 20843
Ion Ratio Lower Upper
62 100
98 8.1 7.0 10.4





#29

Cyclohexane

Concen: 9.634 ug/L

RT: 4.73 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VV007850.D

Acq: 25 Sep 2018 12:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD01065

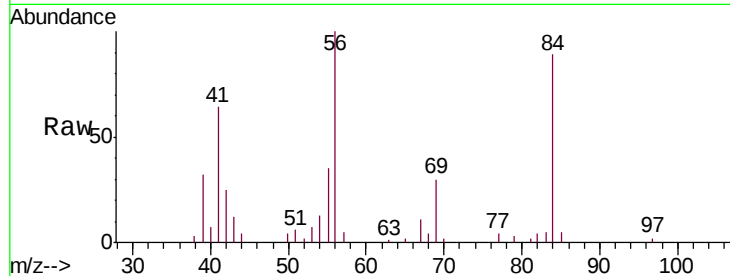
Tgt Ion: 56 Resp: 18900

Ion Ratio Lower Upper

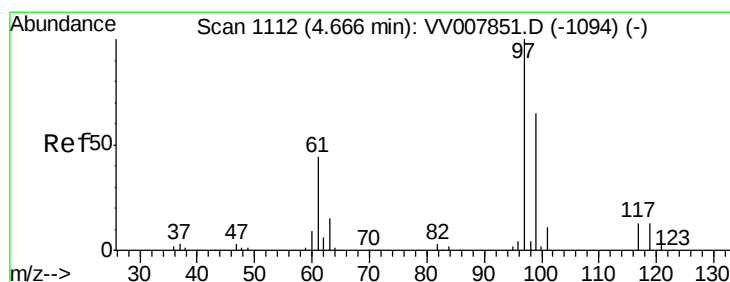
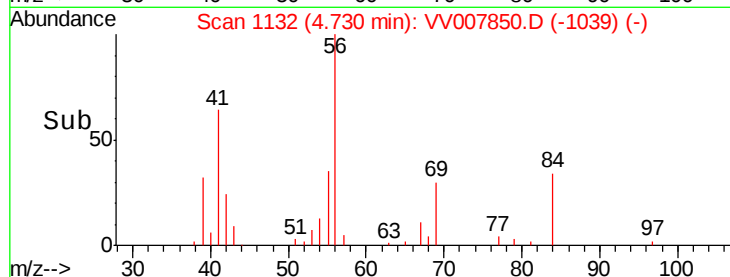
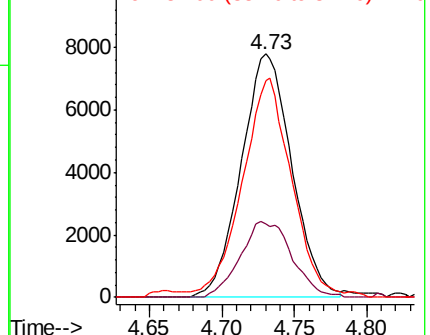
56 100

69 31.7 24.1 36.1

84 84.6 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: 9.748 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VV007850.D

Acq: 25 Sep 2018 12:27

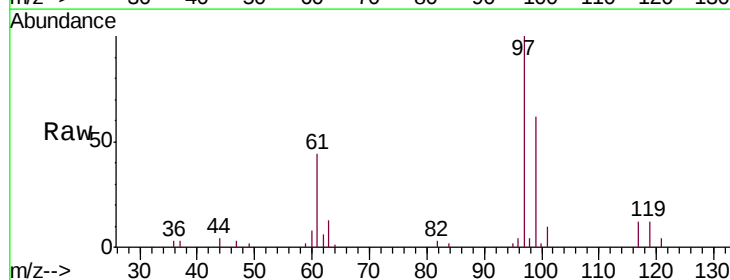
Tgt Ion: 97 Resp: 20254

Ion Ratio Lower Upper

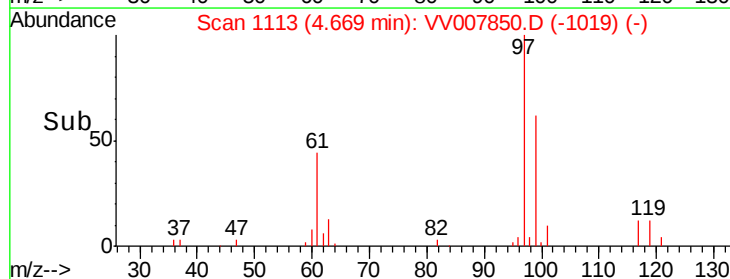
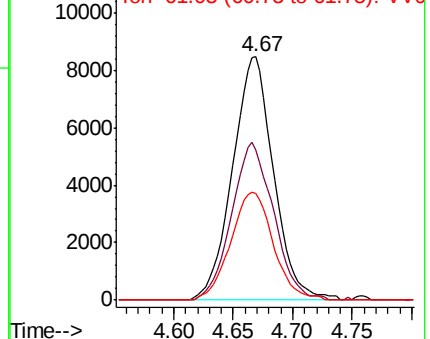
97 100

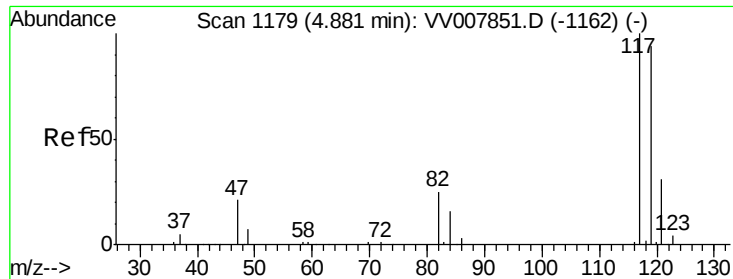
99 65.7 51.0 76.6

61 45.8 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: 9.271 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VV007850.D

Acq: 25 Sep 2018 12:27

Instrument :

MSVOA_V

ClientSampleId :

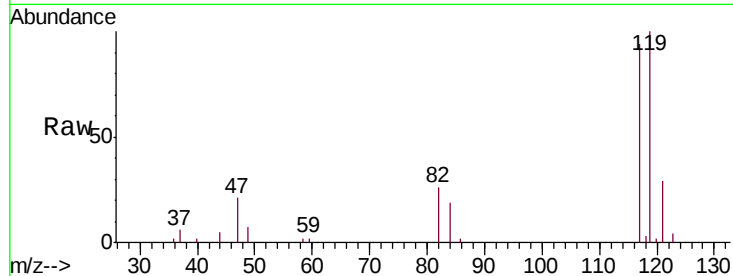
VSTD01065

Tgt Ion:117 Resp: 17020

Ion Ratio Lower Upper

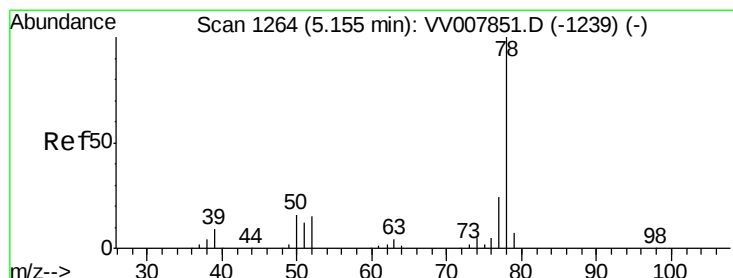
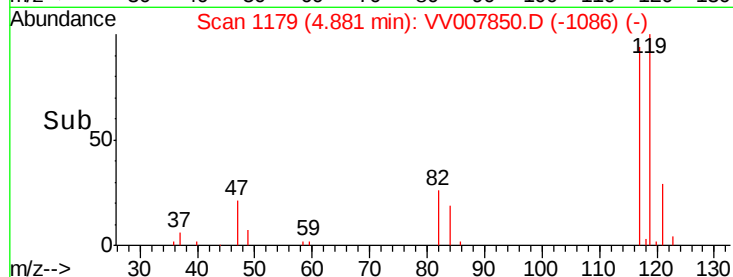
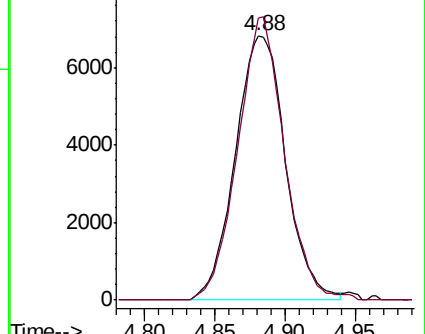
117 100

119 99.0 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: 9.977 ug/L

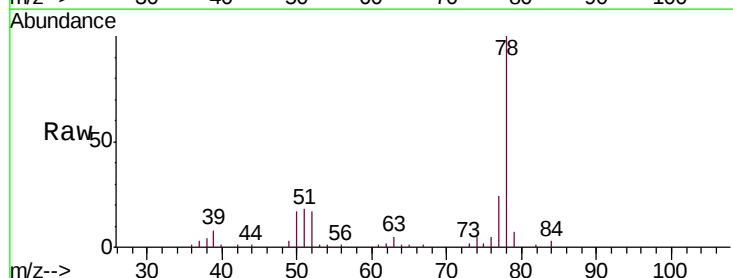
RT: 5.15 min Scan# 1264

Delta R.T. -0.00 min

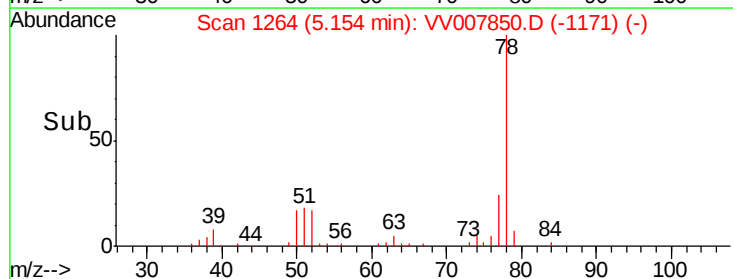
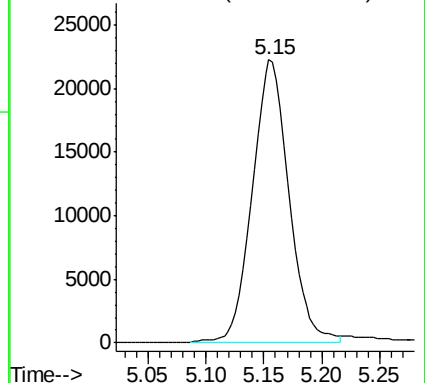
Lab File: VV007850.D

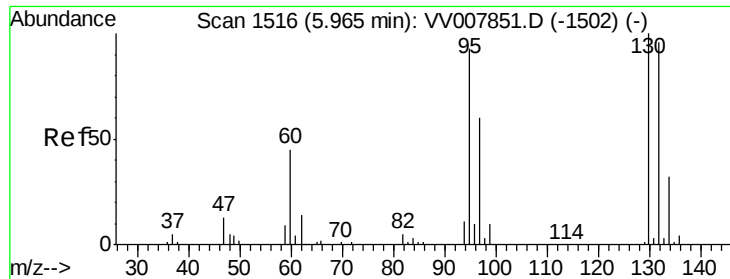
Acq: 25 Sep 2018 12:27

Tgt Ion: 78 Resp: 49219



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 10.135 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. -0.00 min

Lab File: VV007850.D

Acq: 25 Sep 2018 12:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD01065

Tgt Ion: 95 Resp: 13869

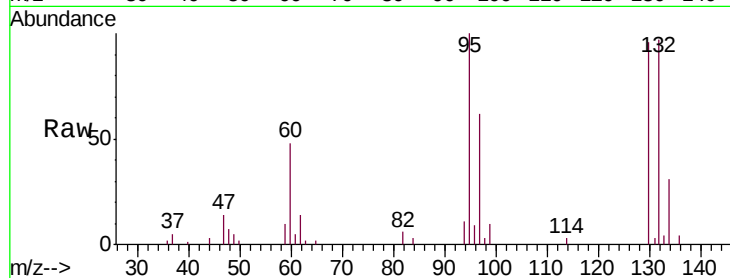
Ion Ratio Lower Upper

95 100

97 62.4 45.4 84.2

132 96.8 72.2 134.0

130 95.8 75.5 140.3

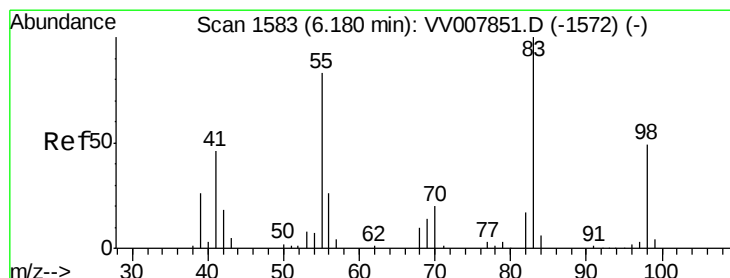
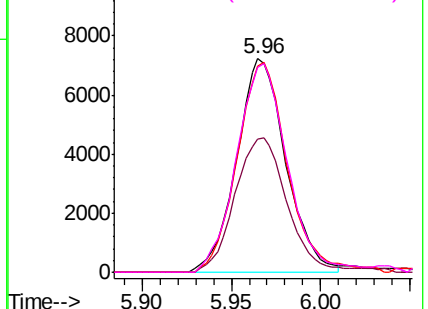
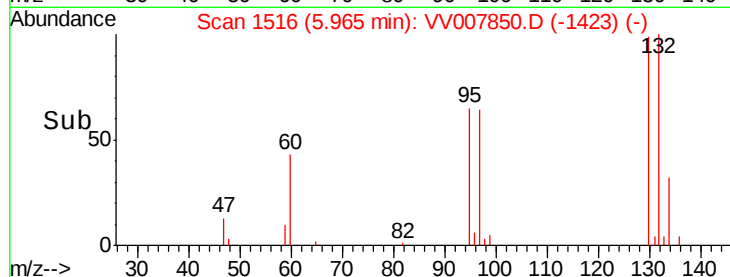


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 9.299 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VV007850.D

Acq: 25 Sep 2018 12:27

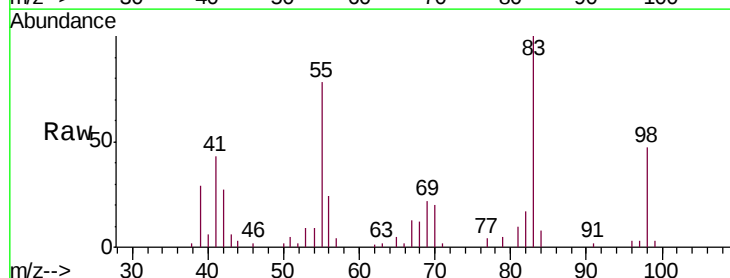
Tgt Ion: 83 Resp: 19963

Ion Ratio Lower Upper

83 100

55 82.1 62.6 94.0

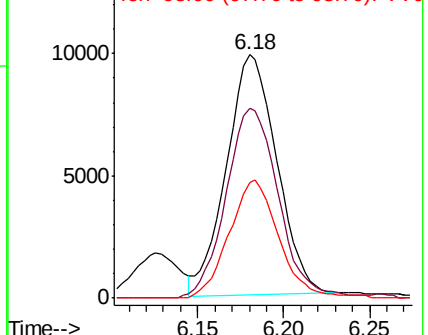
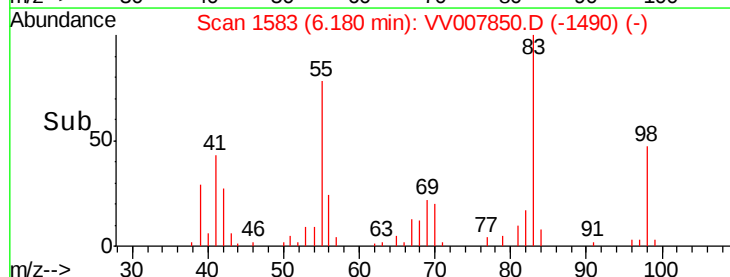
98 48.2 37.6 56.4

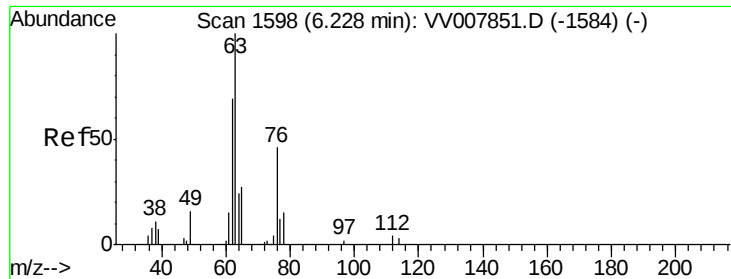


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

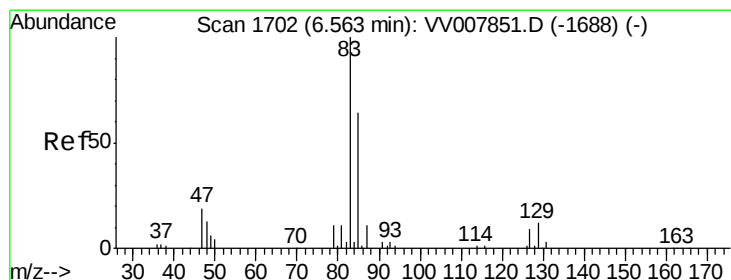
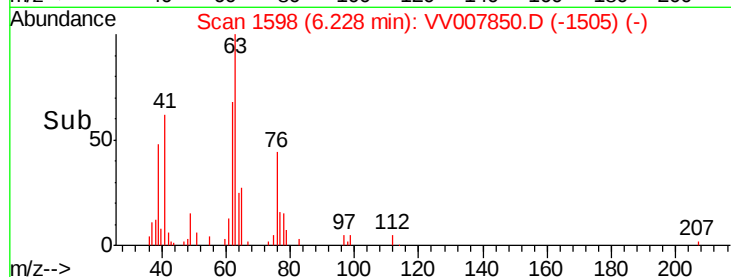
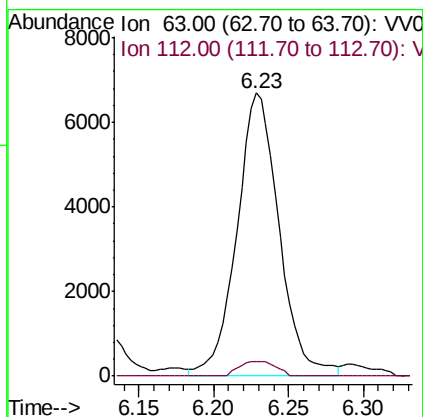
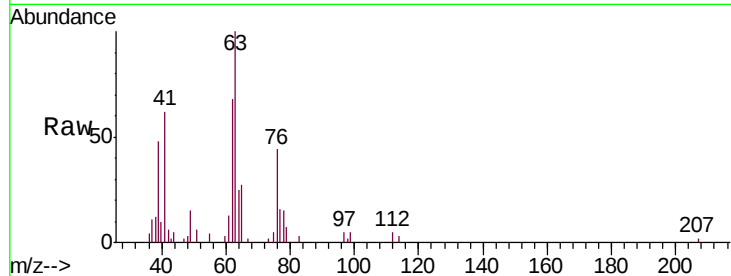




#37
 1,2-Dichloropropane
 Concen: 10.002 ug/L
 RT: 6.23 min Scan# 1598
 Delta R.T. -0.00 min
 Lab File: VV007850.D
 Acq: 25 Sep 2018 12:27

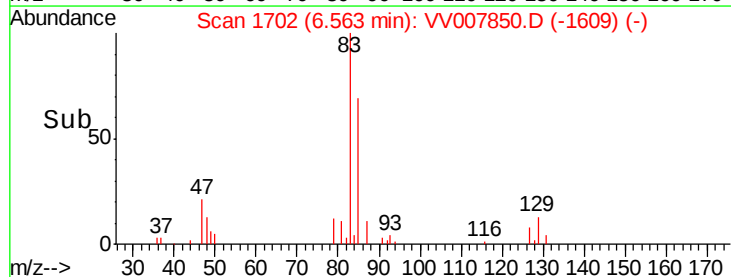
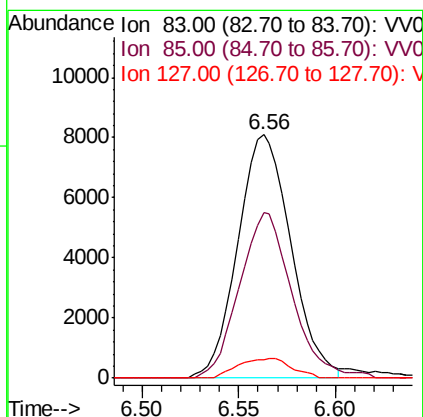
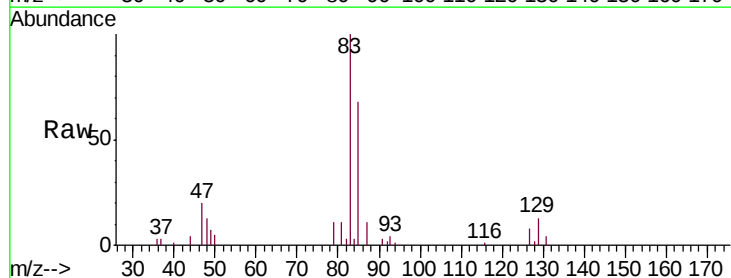
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01065

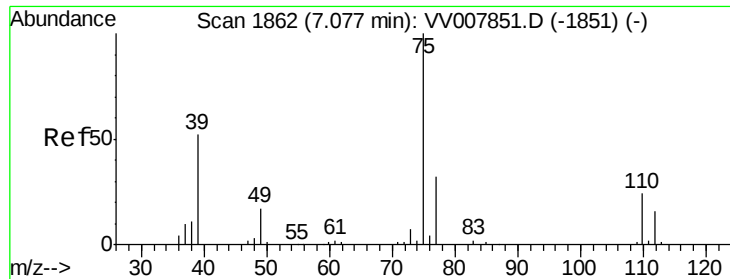
Tgt Ion: 63 Resp: 13159
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.3 4.9



#38
 Bromodichloromethane
 Concen: 9.281 ug/L
 RT: 6.56 min Scan# 1702
 Delta R.T. -0.00 min
 Lab File: VV007850.D
 Acq: 25 Sep 2018 12:27

Tgt Ion: 83 Resp: 15454
 Ion Ratio Lower Upper
 83 100
 85 68.0 44.9 83.3
 127 7.6 7.4 11.2

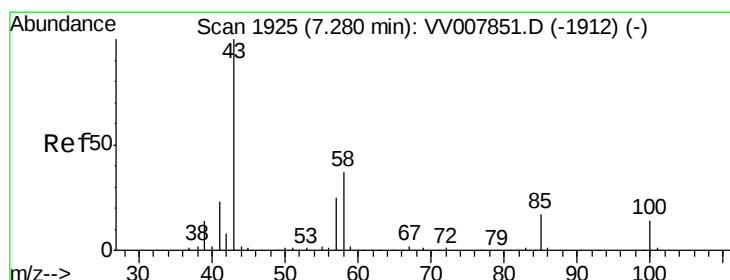
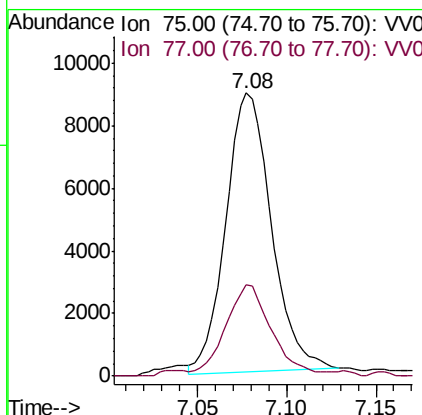
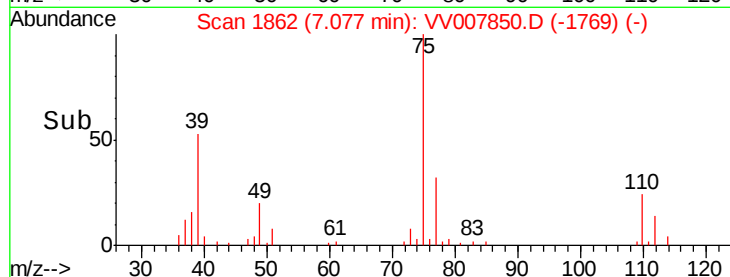
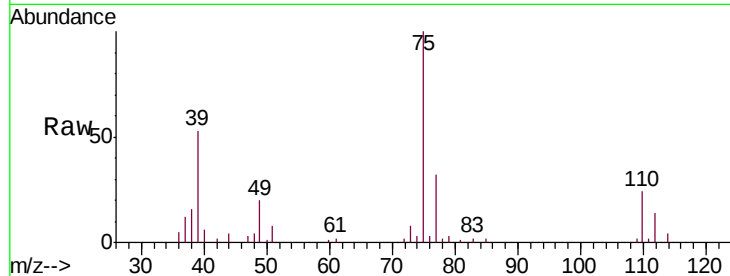




#39
 cis-1,3-Dichloropropene
 Concen: 8.310 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VV007850.D
 Acq: 25 Sep 2018 12:27

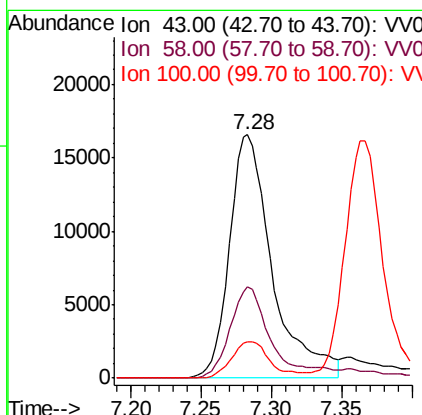
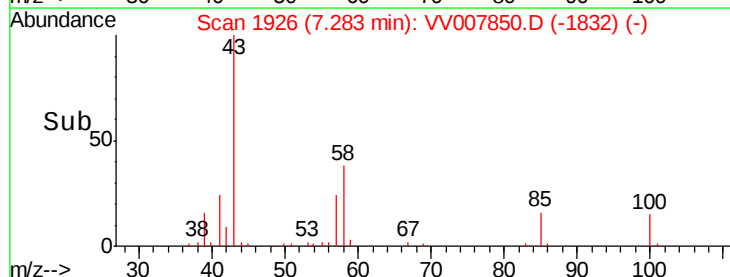
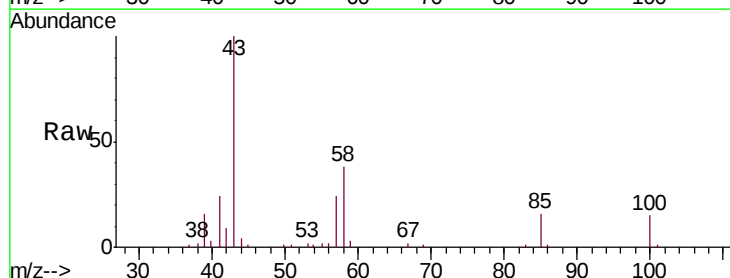
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01065

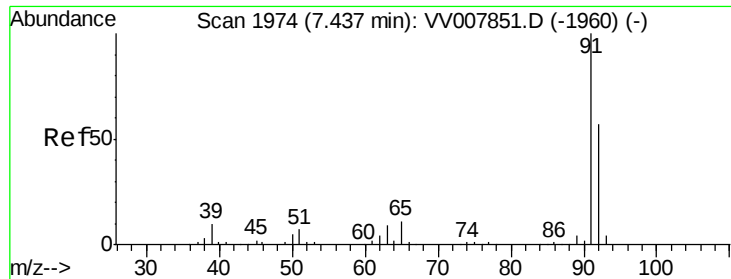
Tgt Ion: 75 Resp: 15871
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.8 42.4



#40
 4-Methyl-2-pentanone
 Concen: 19.022 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.00 min
 Lab File: VV007850.D
 Acq: 25 Sep 2018 12:27

Tgt Ion: 43 Resp: 35364
 Ion Ratio Lower Upper
 43 100
 58 34.3 29.3 43.9
 100 12.8 11.0 16.4





#42

Toluene

Concen: 9.586 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. -0.00 min

Lab File: VV007850.D

Acq: 25 Sep 2018 12:27

Instrument :

MSVOA_V

ClientSampleId :

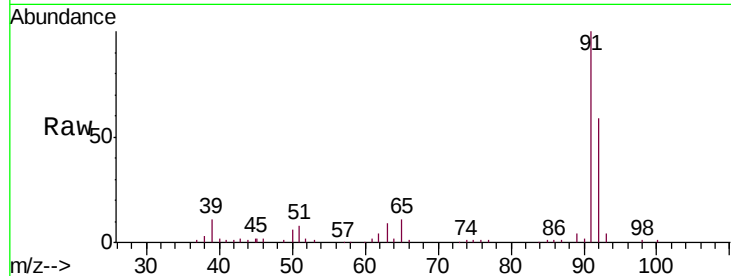
VSTD01065

Tgt Ion: 91 Resp: 53282

Ion Ratio Lower Upper

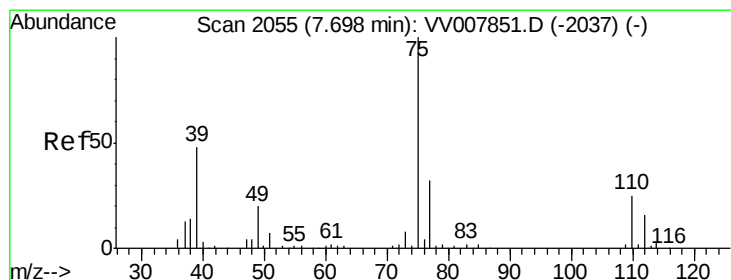
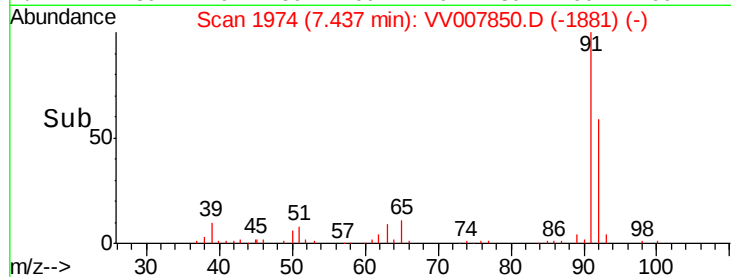
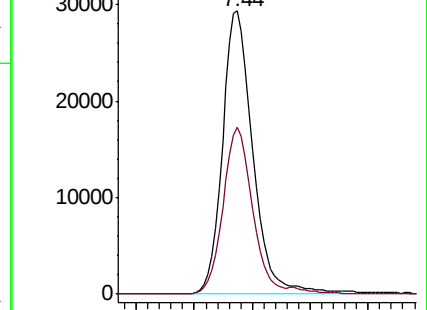
91 100

92 58.9 39.8 73.8



Abundance Ion 91.00 (90.70 to 91.70): VV007850.D (-1960) (-)

Ion 92.00 (91.70 to 92.70): VV007850.D (-1960) (-)



#44

trans-1,3-Dichloropropene

Concen: 8.845 ug/L

RT: 7.70 min Scan# 2056

Delta R.T. 0.00 min

Lab File: VV007850.D

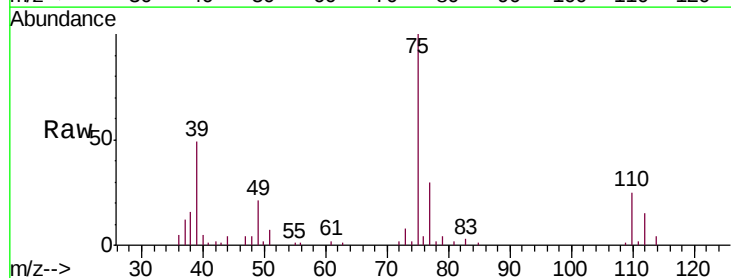
Acq: 25 Sep 2018 12:27

Tgt Ion: 75 Resp: 16791

Ion Ratio Lower Upper

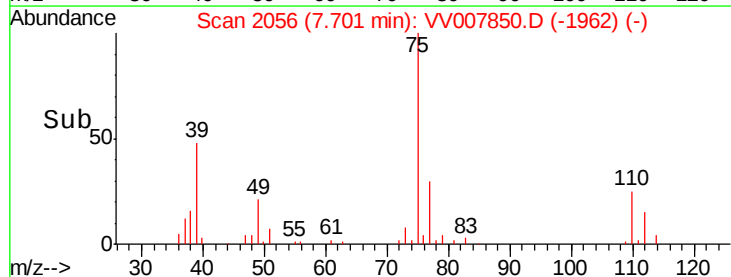
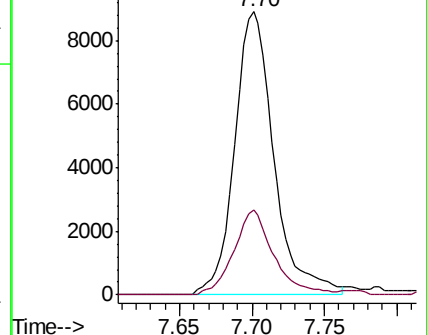
75 100

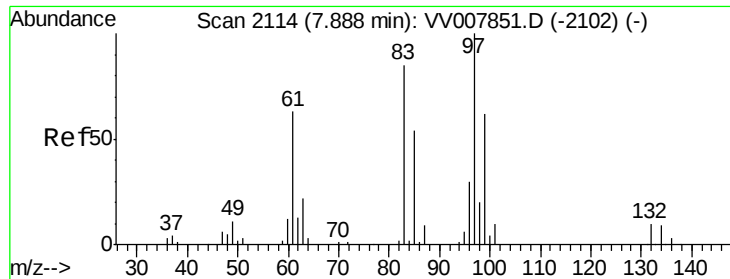
77 30.2 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VV007850.D (-1962) (-)

Ion 77.00 (76.70 to 77.70): VV007850.D (-1962) (-)

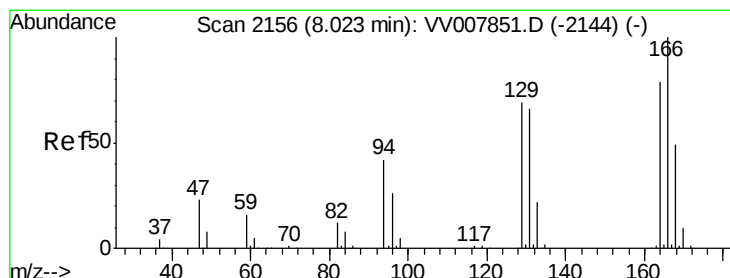
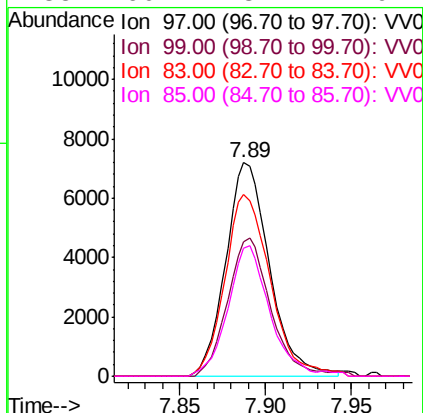
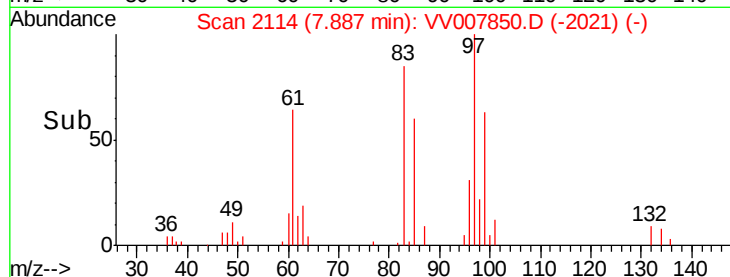
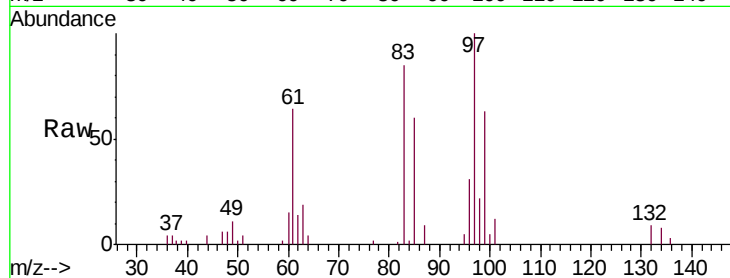




#45
 1,1,2-Trichloroethane
 Concen: 9.747 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VV007850.D
 Acq: 25 Sep 2018 12:27

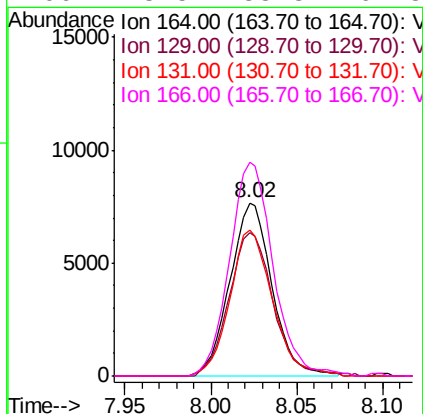
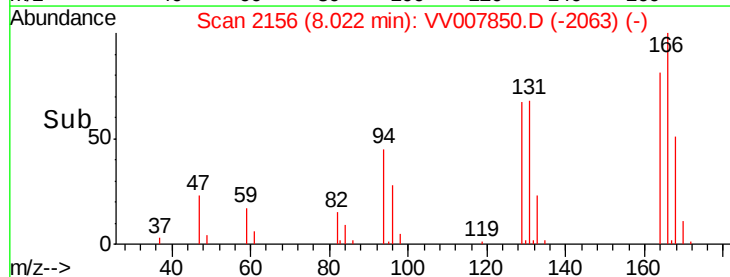
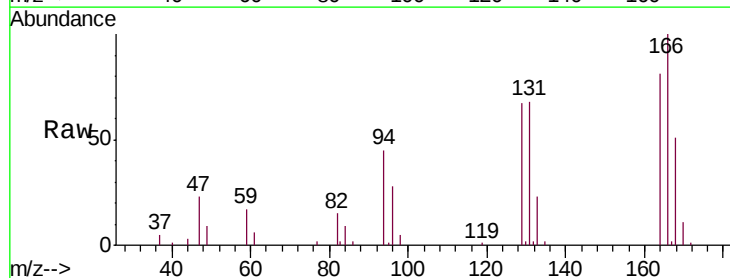
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD01065

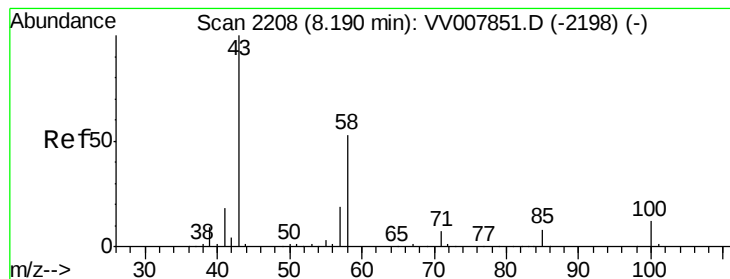
Tgt Ion:	97	Resp:	12815
Ion	Ratio	Lower	Upper
97	100		
99	63.1	43.7	81.1
83	84.8	59.6	110.8
85	60.2	37.7	70.1



#46
 Tetrachloroethene
 Concen: 9.924 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. -0.00 min
 Lab File: VV007850.D
 Acq: 25 Sep 2018 12:27

Tgt Ion:	164	Resp:	13050
Ion	Ratio	Lower	Upper
164	100		
129	83.1	60.9	113.1
131	84.5	58.8	109.2
166	123.5	88.8	164.8





#48

2-Hexanone

Concen: 18.042 ug/L

RT: 8.19 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VV007850.D

Acq: 25 Sep 2018 12:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD01065

Tgt Ion: 43 Resp: 26511

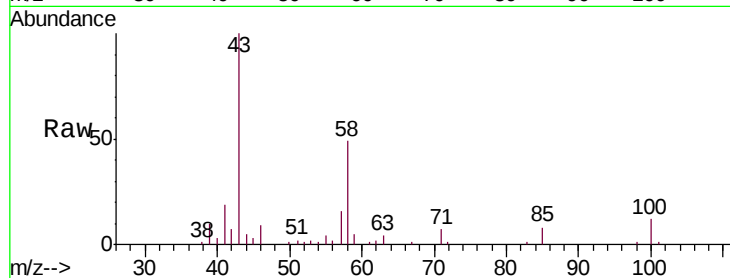
Ion Ratio Lower Upper

43 100

58 53.1 41.1 61.7

57 16.9 14.3 21.5

100 11.7 9.9 14.9

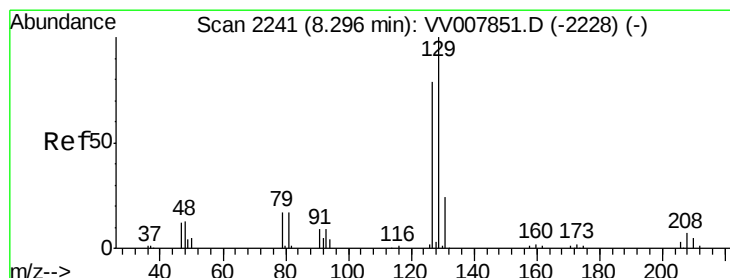
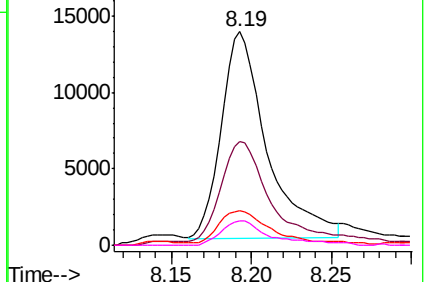
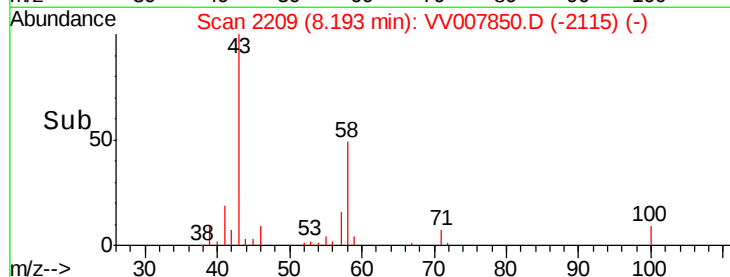


Abundance Ion 43.00 (42.70 to 43.70): VV007851.D (-2198) (-)

Ion 58.00 (57.70 to 58.70): VV007851.D (-2198) (-)

Ion 57.00 (56.70 to 57.70): VV007851.D (-2198) (-)

Ion 100.00 (99.70 to 100.70): VV007851.D (-2198) (-)



#49

Dibromochloromethane

Concen: 8.770 ug/L

RT: 8.30 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VV007850.D

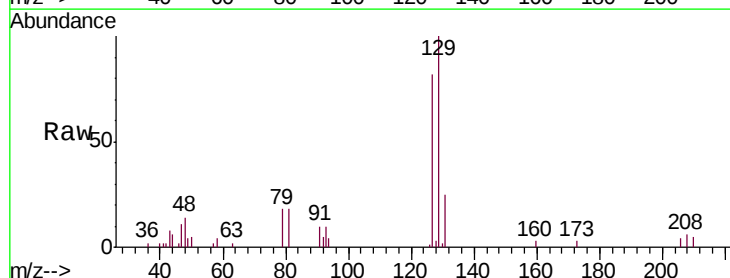
Acq: 25 Sep 2018 12:27

Tgt Ion: 129 Resp: 12607

Ion Ratio Lower Upper

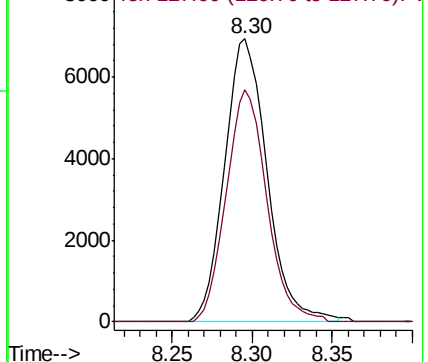
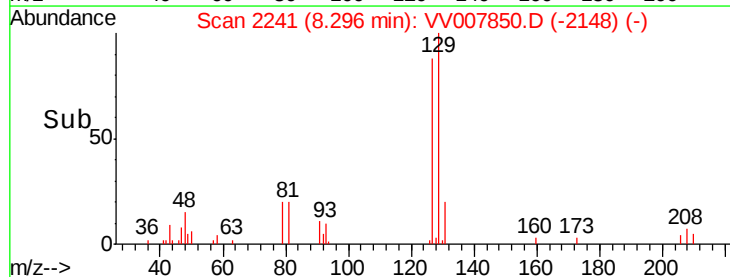
129 100

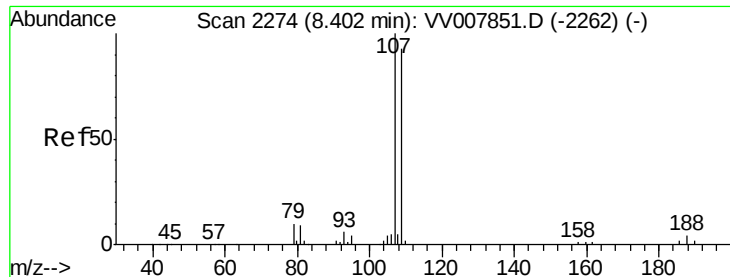
127 82.1 55.5 103.1



Abundance Ion 129.00 (128.70 to 129.70): VV007851.D (-2228) (-)

Ion 127.00 (126.70 to 127.70): VV007851.D (-2228) (-)

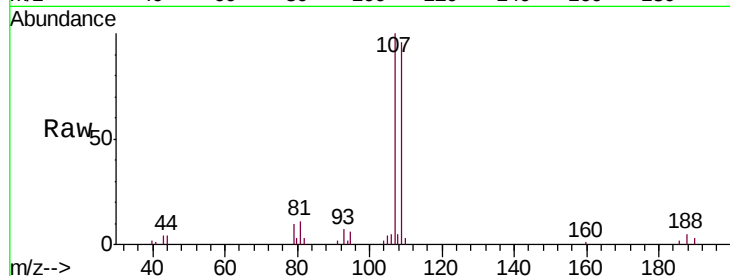




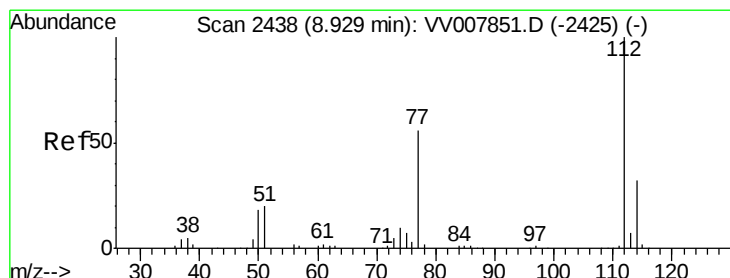
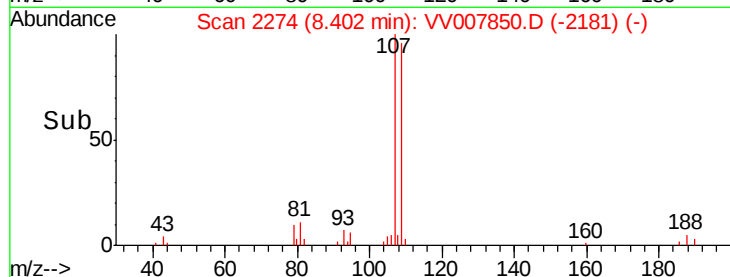
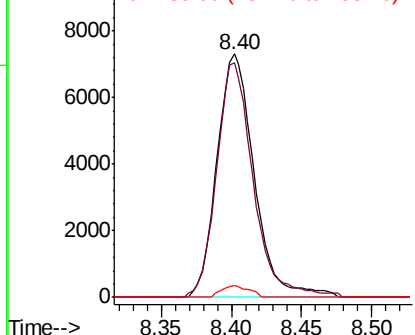
#50
1,2-Dibromoethane
Concen: 9.511 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. -0.00 min
Lab File: VV007850.D
Acq: 25 Sep 2018 12:27

Instrument :
MSVOA_V
ClientSampleId :
VSTD01065

Tgt Ion:107 Resp: 13445
Ion Ratio Lower Upper
107 100
109 96.5 65.3 121.3
188 4.7 3.5 5.3

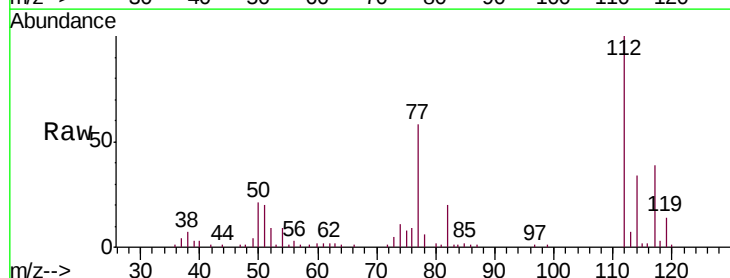


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

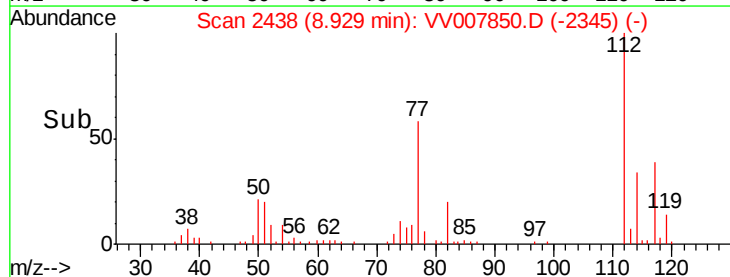
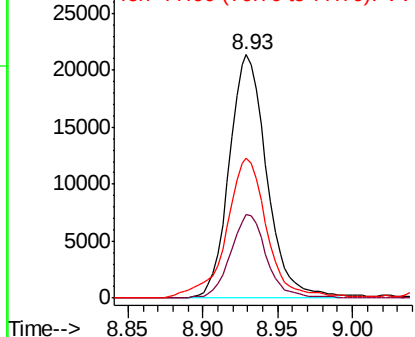


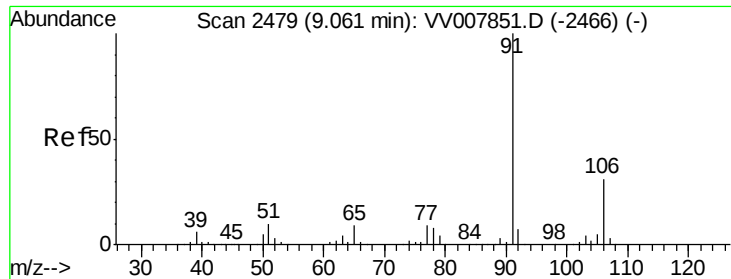
#51
Chlorobenzene
Concen: 9.699 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. -0.00 min
Lab File: VV007850.D
Acq: 25 Sep 2018 12:27

Tgt Ion:112 Resp: 37315
Ion Ratio Lower Upper
112 100
114 34.1 22.3 41.5
77 57.7 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: 9.440 ug/L

RT: 9.06 min Scan# 2479

Delta R.T. -0.00 min

Lab File: VV007850.D

Acq: 25 Sep 2018 12:27

Instrument :

MSVOA_V

ClientSampleId :

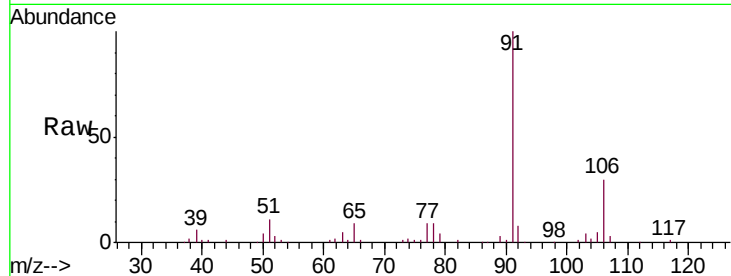
VSTD01065

Tgt Ion: 91 Resp: 59269

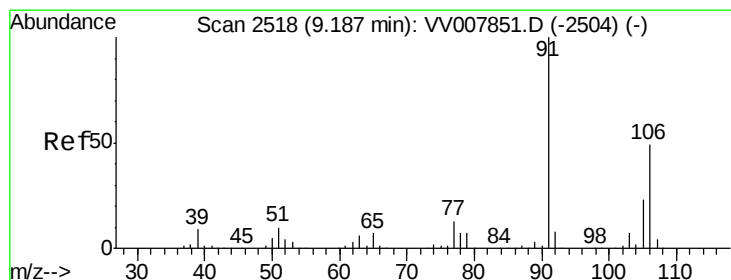
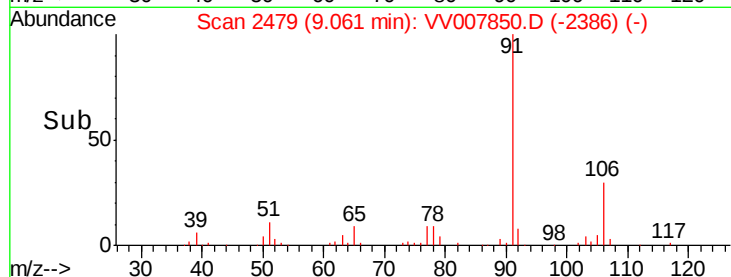
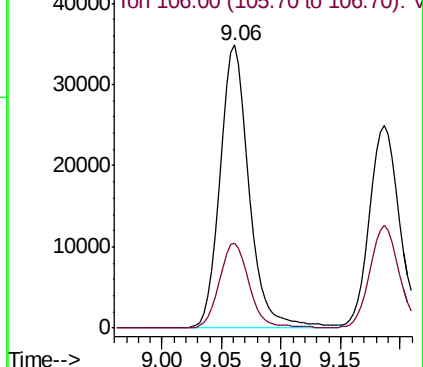
Ion Ratio Lower Upper

91 100

106 30.2 21.9 40.7



Abundance Ion 91.00 (90.70 to 91.70): VV007850.D (-2466) (-)



#53

m,p-Xylene

Concen: 9.508 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. -0.00 min

Lab File: VV007850.D

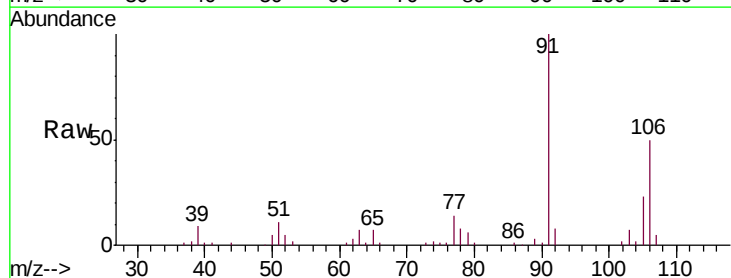
Acq: 25 Sep 2018 12:27

Tgt Ion: 106 Resp: 22744

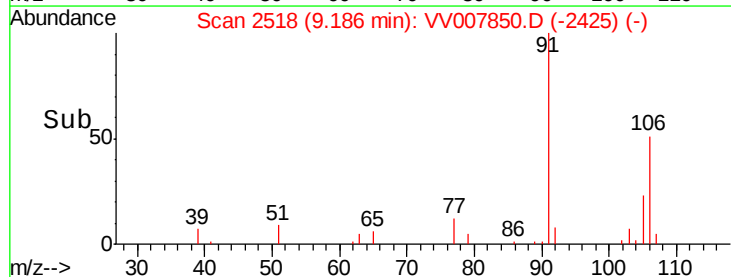
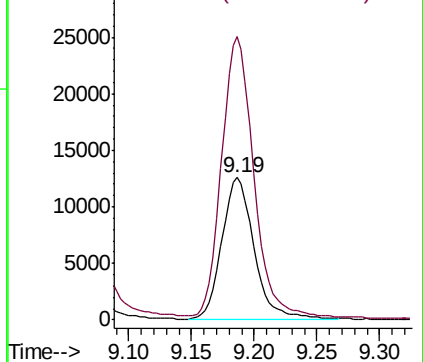
Ion Ratio Lower Upper

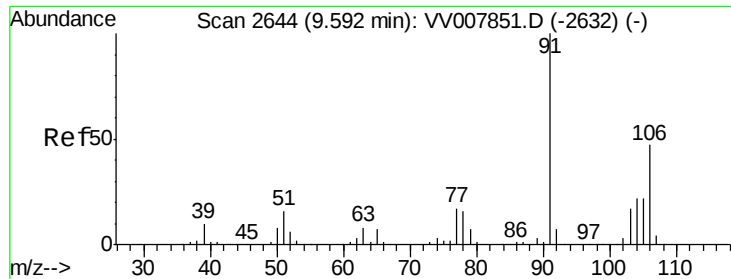
106 100

91 198.6 142.3 264.3



Abundance Ion 106.00 (105.70 to 106.70): VV007850.D (-2504) (-)

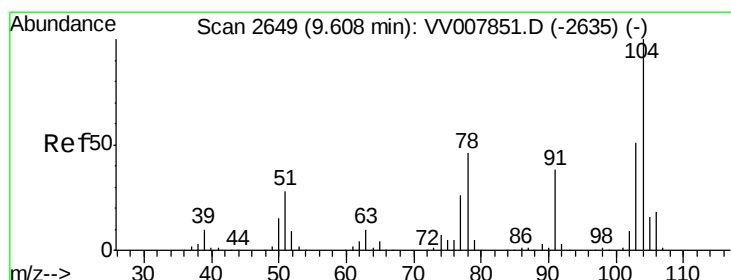
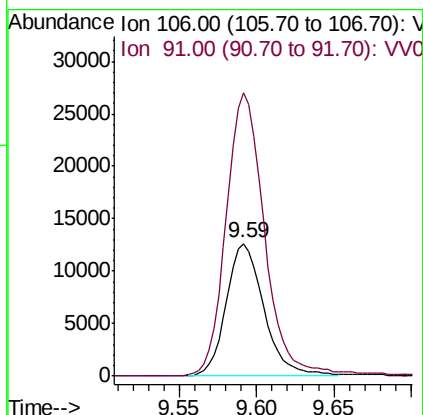
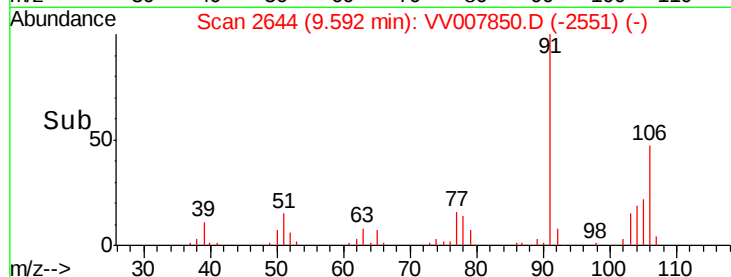
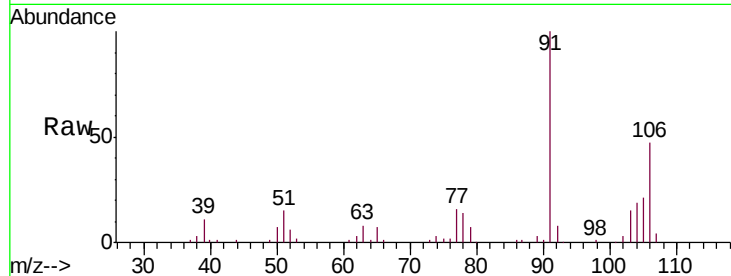




#54
o-xylene
Concen: 9.209 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VV007850.D
Acq: 25 Sep 2018 12:27

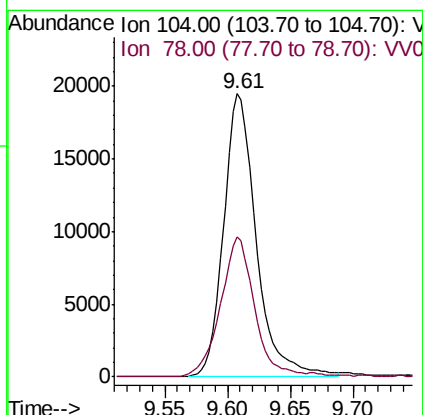
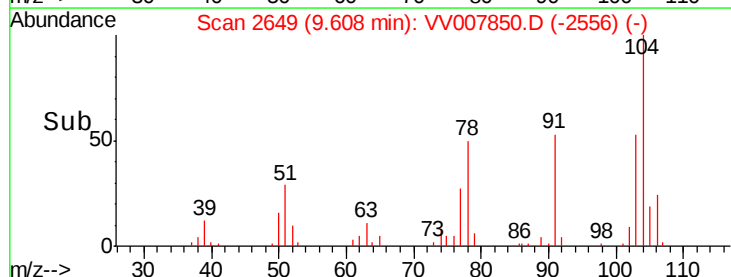
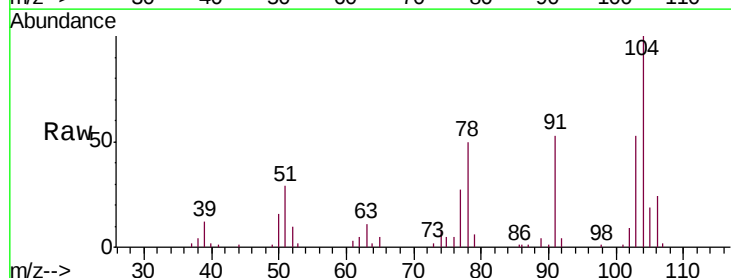
Instrument :
MSVOA_V
ClientSampleId :
VSTD01065

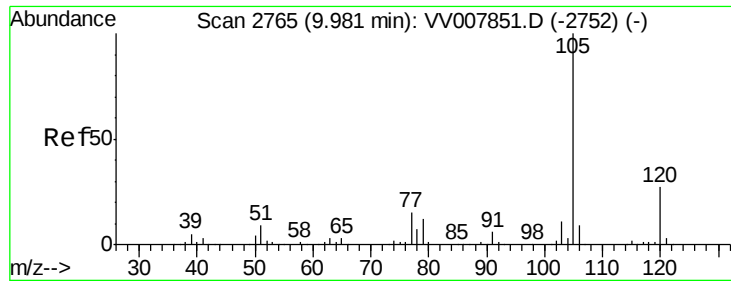
Tgt Ion:106 Resp: 21397
Ion Ratio Lower Upper
106 100
91 213.7 150.6 279.6



#55
Styrene
Concen: 8.845 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. -0.00 min
Lab File: VV007850.D
Acq: 25 Sep 2018 12:27

Tgt Ion:104 Resp: 35201
Ion Ratio Lower Upper
104 100
78 49.6 32.3 60.1





#56

Isopropylbenzene

Concen: 9.255 ug/L

RT: 9.98 min Scan# 2765

Delta R.T. -0.00 min

Lab File: VV007850.D

Acq: 25 Sep 2018 12:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD01065

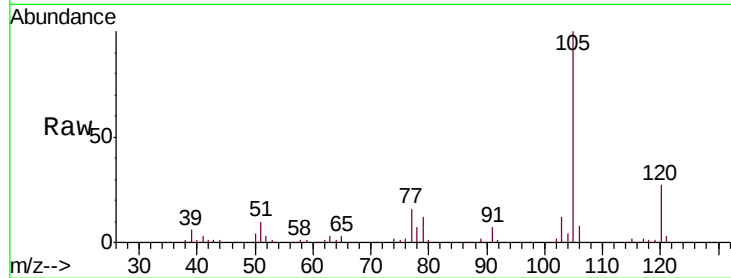
Tgt Ion: 105 Resp: 58616

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.6

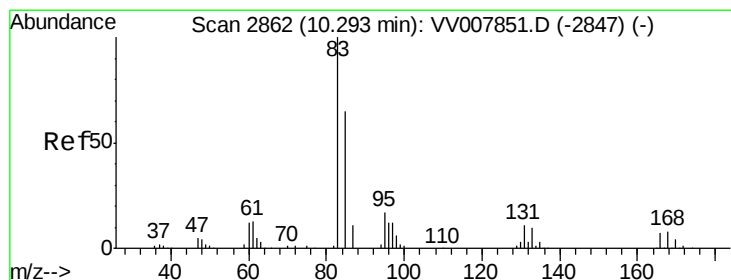
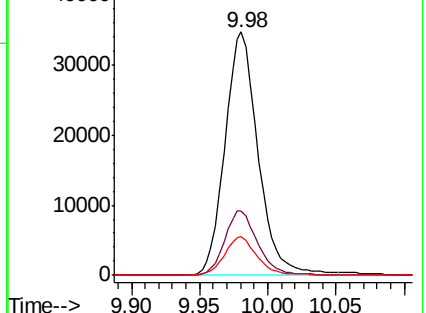
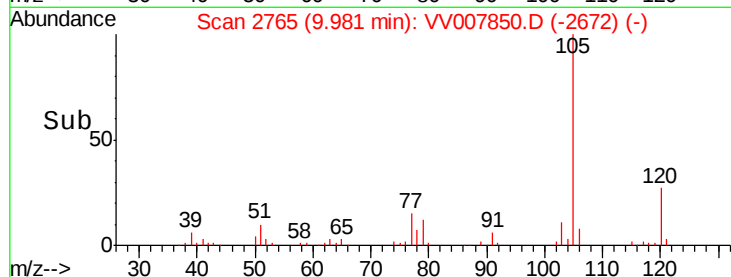
77 15.3 12.5 18.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 9.601 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV007850.D

Acq: 25 Sep 2018 12:27

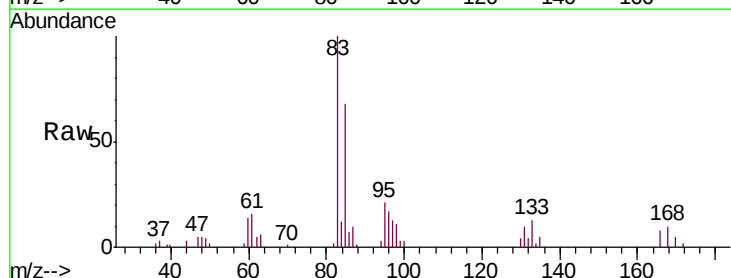
Tgt Ion: 83 Resp: 20629

Ion Ratio Lower Upper

83 100

85 68.1 45.8 85.0

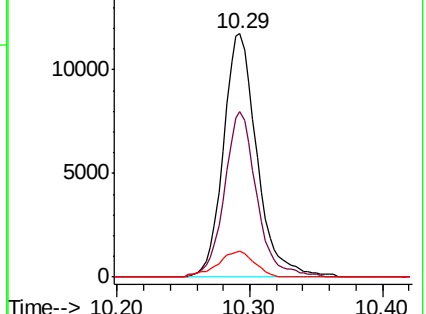
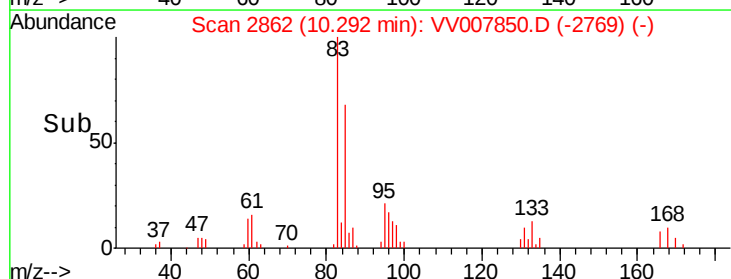
131 10.5 9.0 13.4

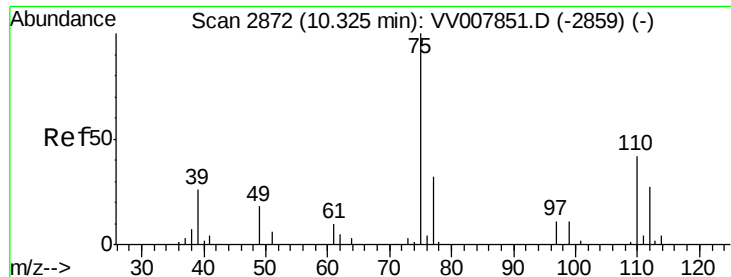


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 9.794 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VV007850.D

Acq: 25 Sep 2018 12:27

Instrument :

MSVOA_V

ClientSampleId :

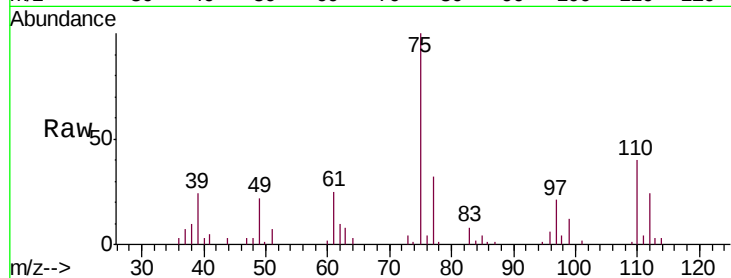
VSTD01065

Tgt Ion: 75 Resp: 17153

Ion Ratio Lower Upper

75 100

77 32.6 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VV007851.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV007851.D (-2859) (-)

10.32

12000

10000

8000

6000

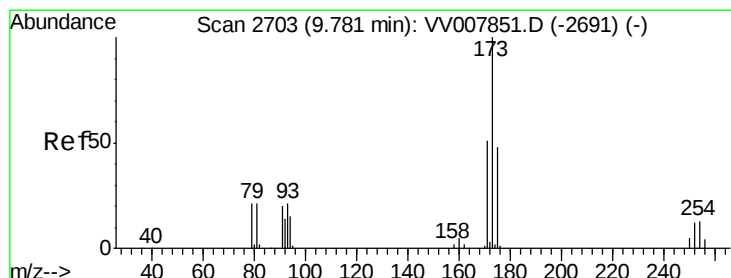
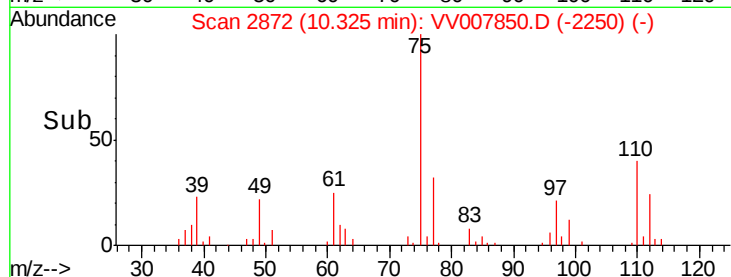
4000

2000

0

10.30 10.35

Time-->



#61

Bromoform

Concen: 8.839 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. -0.00 min

Lab File: VV007850.D

Acq: 25 Sep 2018 12:27

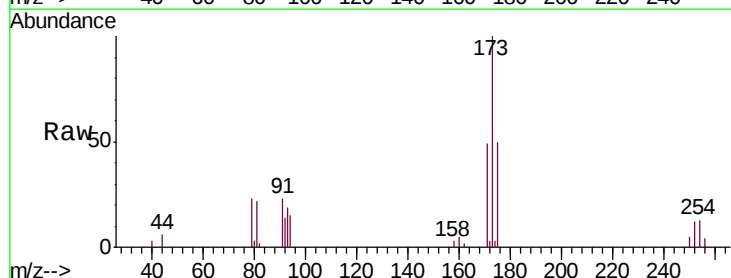
Tgt Ion: 173 Resp: 9082

Ion Ratio Lower Upper

173 100

175 46.9 38.5 57.7

254 10.3 9.9 14.9



Abundance Ion 173.00 (172.70 to 173.70): VV007851.D (-2691) (-)

Ion 175.00 (174.70 to 175.70): VV007851.D (-2691) (-)

Ion 254.00 (253.70 to 254.70): VV007851.D (-2691) (-)

9.78

6000

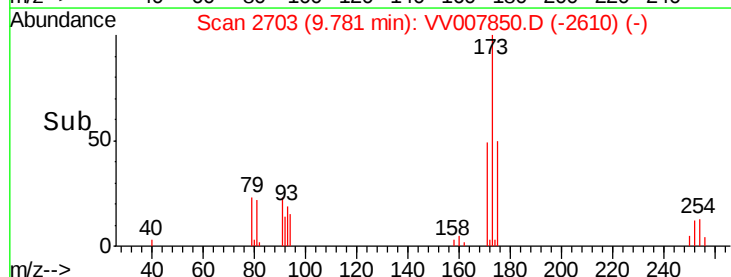
4000

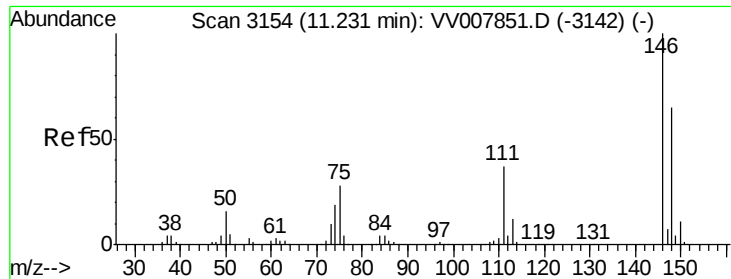
2000

0

9.75 9.80 9.85

Time-->

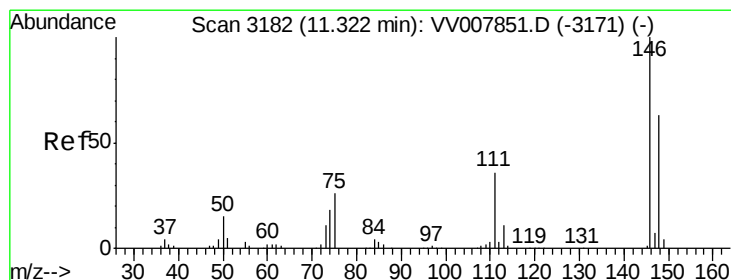
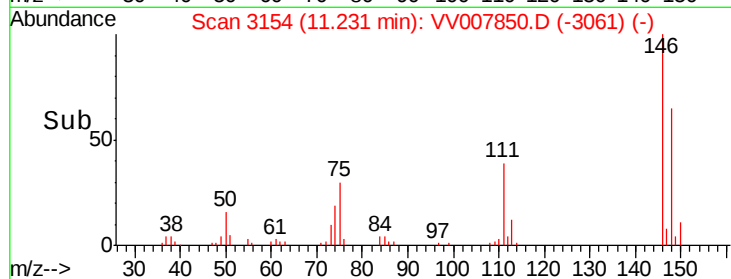
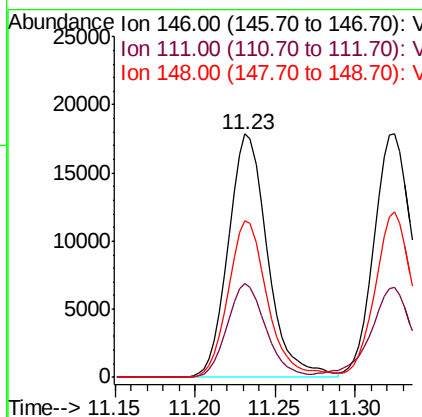
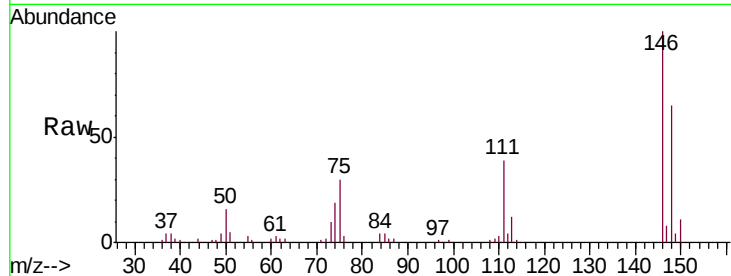




#62
 1,3-Dichlorobenzene
 Concen: 9.830 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. -0.00 min
 Lab File: VV007850.D
 Acq: 25 Sep 2018 12:27

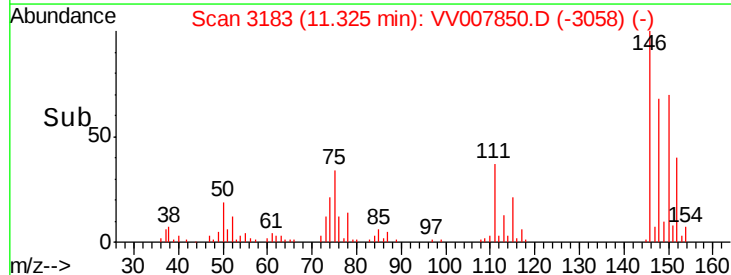
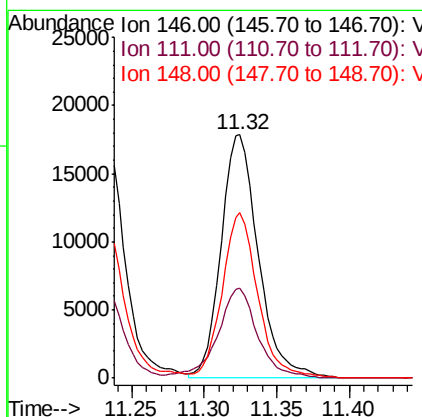
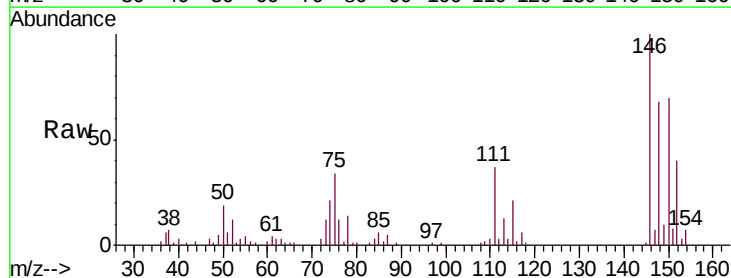
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01065

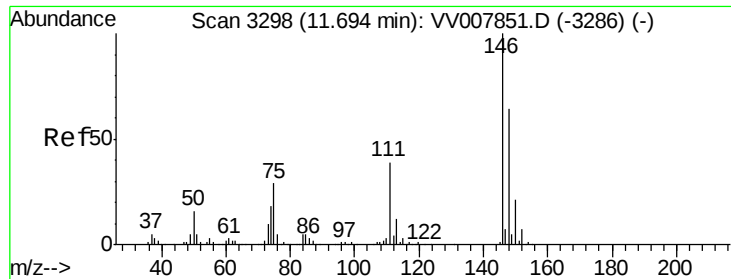
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	25.6	47.4
148	64.6	45.4	84.2



#63
 1,4-Dichlorobenzene
 Concen: 9.837 ug/L
 RT: 11.32 min Scan# 3183
 Delta R.T. 0.00 min
 Lab File: VV007850.D
 Acq: 25 Sep 2018 12:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	25.2	46.8
148	68.0	44.2	82.0





#65

1,2-Dichlorobenzene

Concen: 9.829 ug/L

RT: 11.70 min Scan# 3299

Delta R.T. 0.00 min

Lab File: VV007850.D

Acq: 25 Sep 2018 12:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD01065

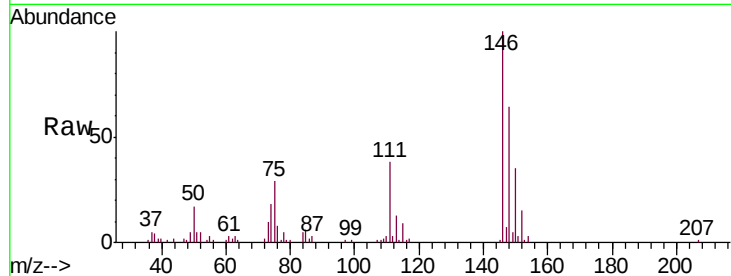
Tgt Ion:146 Resp: 31094

Ion Ratio Lower Upper

146 100

111 38.3 31.2 46.8

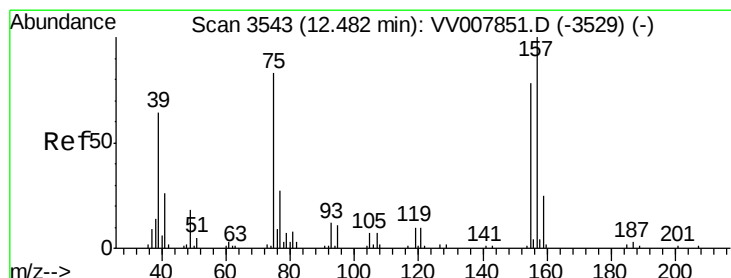
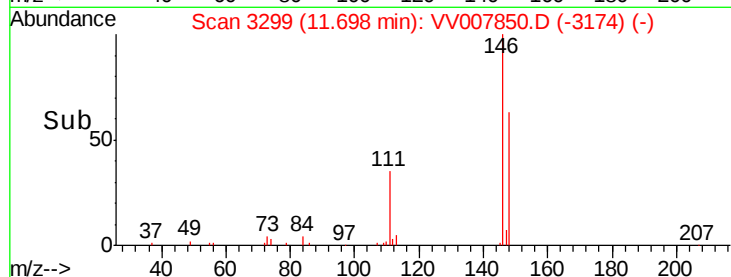
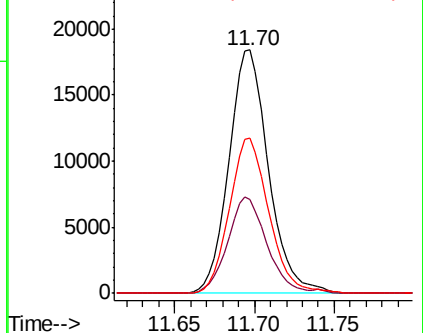
148 64.0 51.5 77.3



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: 8.842 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. -0.00 min

Lab File: VV007850.D

Acq: 25 Sep 2018 12:27

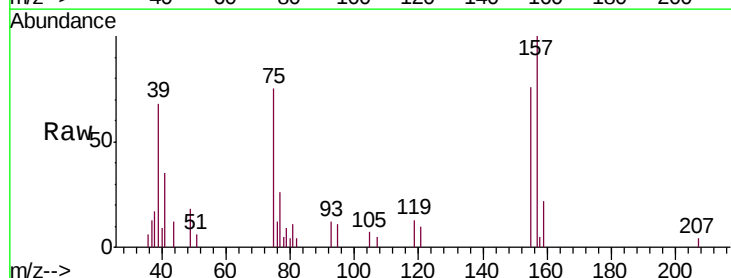
Tgt Ion: 75 Resp: 3660

Ion Ratio Lower Upper

75 100

155 101.4 75.6 113.4

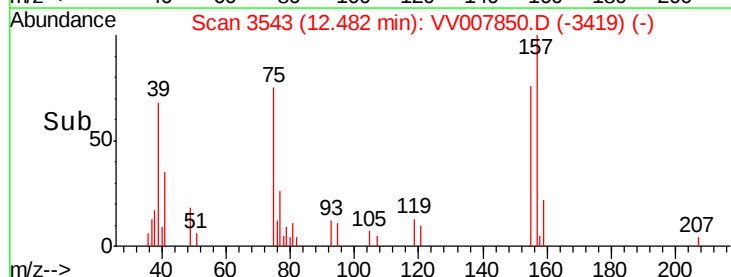
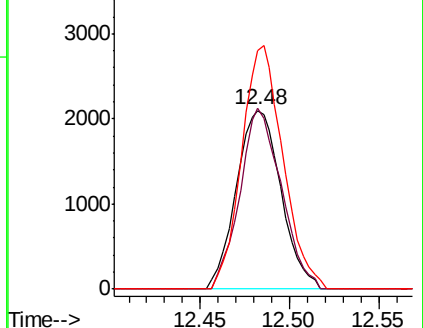
157 133.2 96.5 144.7

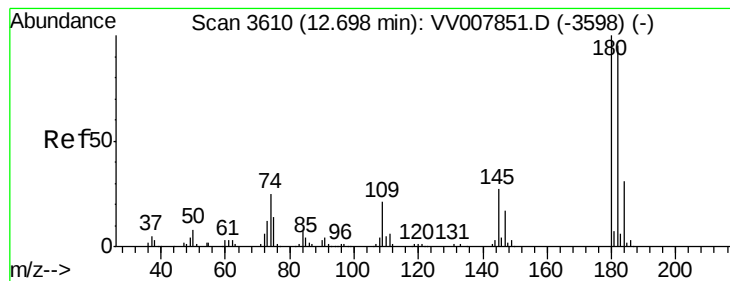


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#67

1,3,5-Trichlorobenzene

Concen: 9.489 ug/L

RT: 12.70 min Scan# 3610

Delta R.T. -0.00 min

Lab File: VV007850.D

Acq: 25 Sep 2018 12:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD01065

Tgt Ion:180 Resp: 24388

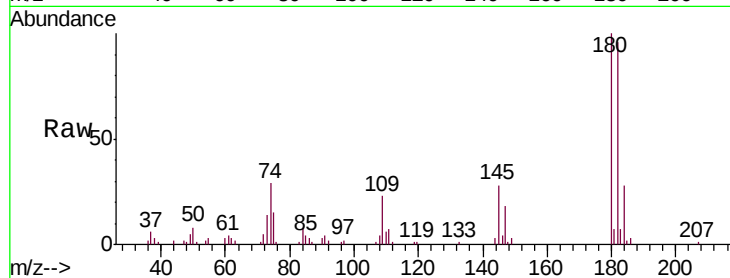
Ion Ratio Lower Upper

180 100

182 96.1 76.8 115.2

184 29.6 24.6 36.8

145 28.7 21.7 32.5

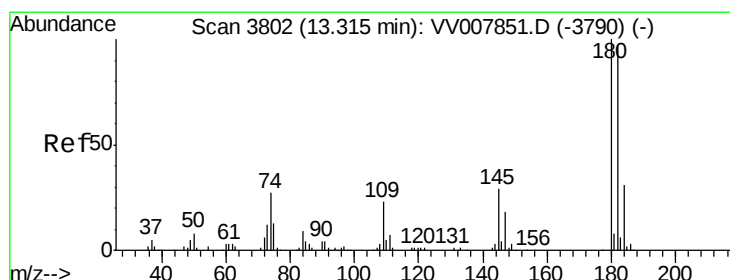
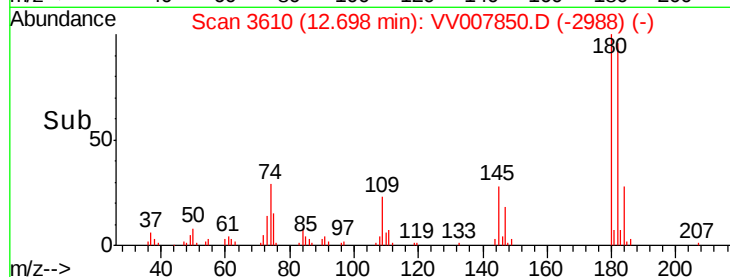
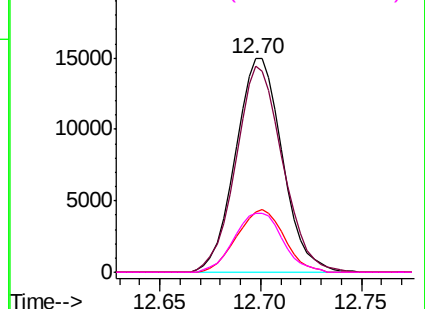


Abundance Ion 180.00 (179.70 to 180.70): V

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: 8.795 ug/L

RT: 13.32 min Scan# 3803

Delta R.T. 0.00 min

Lab File: VV007850.D

Acq: 25 Sep 2018 12:27

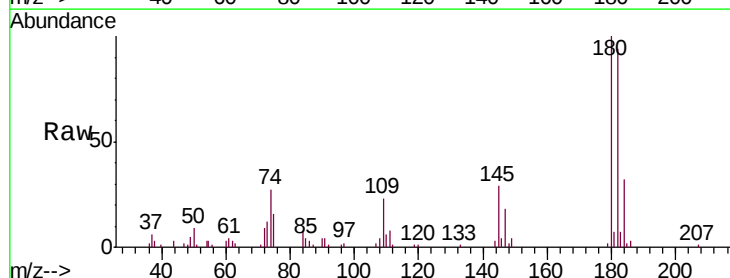
Tgt Ion:180 Resp: 19072

Ion Ratio Lower Upper

180 100

182 97.8 76.6 115.0

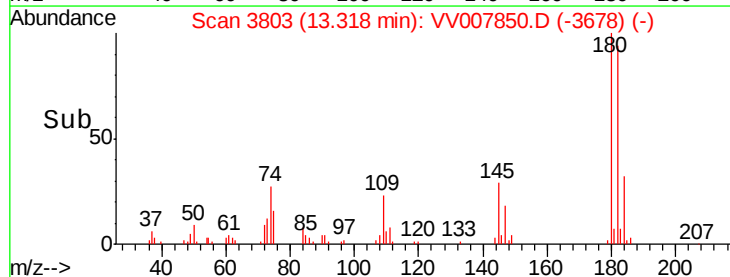
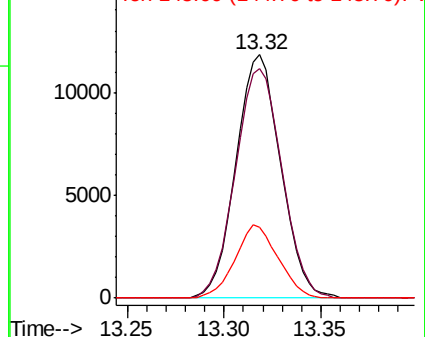
145 28.7 22.7 34.1

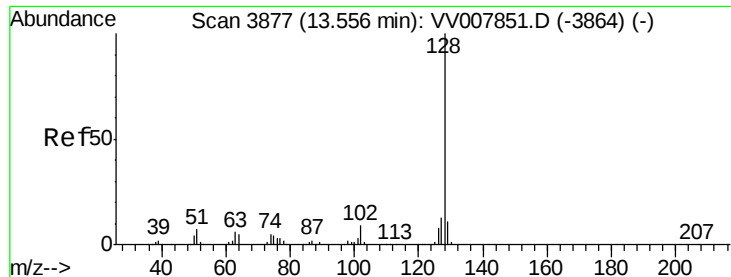


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 7.766 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. 0.00 min

Lab File: VV007850.D

Acq: 25 Sep 2018 12:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD01065

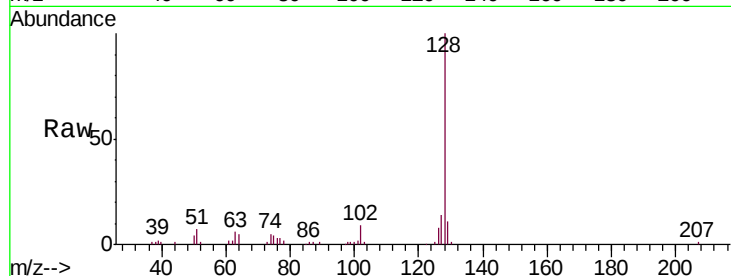
Tgt Ion:128 Resp: 41193

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

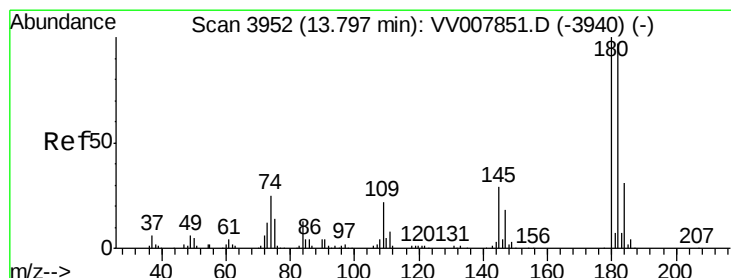
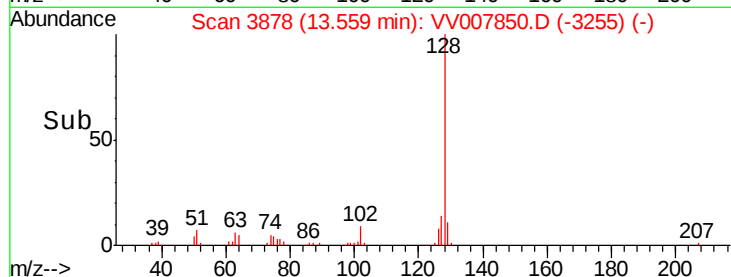
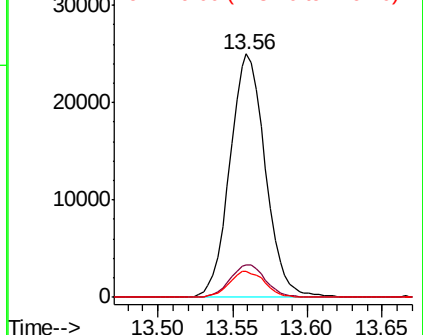
129 10.6 8.6 13.0



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: 8.977 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. 0.00 min

Lab File: VV007850.D

Acq: 25 Sep 2018 12:27

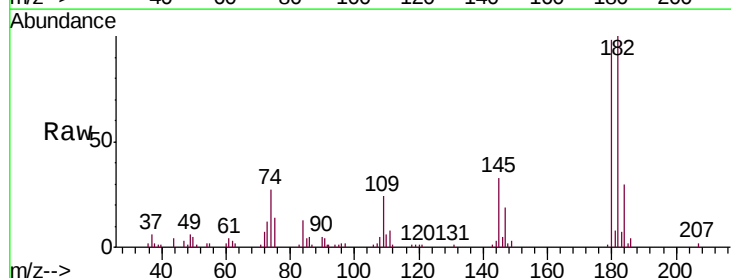
Tgt Ion:180 Resp: 19710

Ion Ratio Lower Upper

180 100

182 97.5 76.7 115.1

145 30.9 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

