

Data File : VV009444.D
Acq On : 01 Mar 2019 09:45
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 02 00:04:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR022819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Mar 01 03:49:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	111988	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	106166	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	51201	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	24907	4.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.20%
7) Chloroethane-d5	1.58	69	27467	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.00%
11) 1,1-Dichloroethene-d2	2.13	63	68469	4.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.60%
20) 2-Butanone-d5	3.96	46	55113	49.69	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.38%
24) Chloroform-d	4.40	84	52589	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
26) 1,2-Dichloroethane-d4	5.08	65	26010	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.00%
32) Benzene-d6	5.10	84	106792	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
36) 1,2-Dichloropropane-d6	6.12	67	31812	4.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.60%
41) Toluene-d8	7.36	98	108544	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
43) trans-1,3-Dichloropropene-	7.66	79	13714	4.51	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.20%
46) 2-Hexanone-d5	8.14	63	45995	46.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.34%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	25061	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	39033	4.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	32984	4.792	ug/L 99
3) Chloromethane	1.25	50	37447	5.141	ug/L 96
5) Vinyl chloride	1.32	62	41075	5.143	ug/L 91
6) Bromomethane	1.54	94	21444	3.913	ug/L 96
8) Chloroethane	1.60	64	32511	6.117	ug/L 99
9) Trichlorofluoromethane	1.77	101	79383	4.683	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	43119	5.224	ug/L 99
12) 1,1-Dichloroethene	2.14	96	37516	5.113	ug/L 97
13) Acetone	2.21	43	55411	52.583	ug/L 98
14) Carbon disulfide	2.32	76	125412	5.207	ug/L 99
15) Methyl Acetate	2.47	43	14079	5.117	ug/L 97
16) Methylene chloride	2.54	84	39953	4.902	ug/L 96
17) Methyl tert-butyl Ether	2.81	73	96136	5.118	ug/L 98
18) trans-1,2-Dichloroethene	2.79	96	43149	5.429	ug/L 94
19) 1,1-Dichloroethane	3.23	63	55226	5.130	ug/L 99
21) 2-Butanone	4.04	43	68503	51.325	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	37925	5.110	ug/L 100

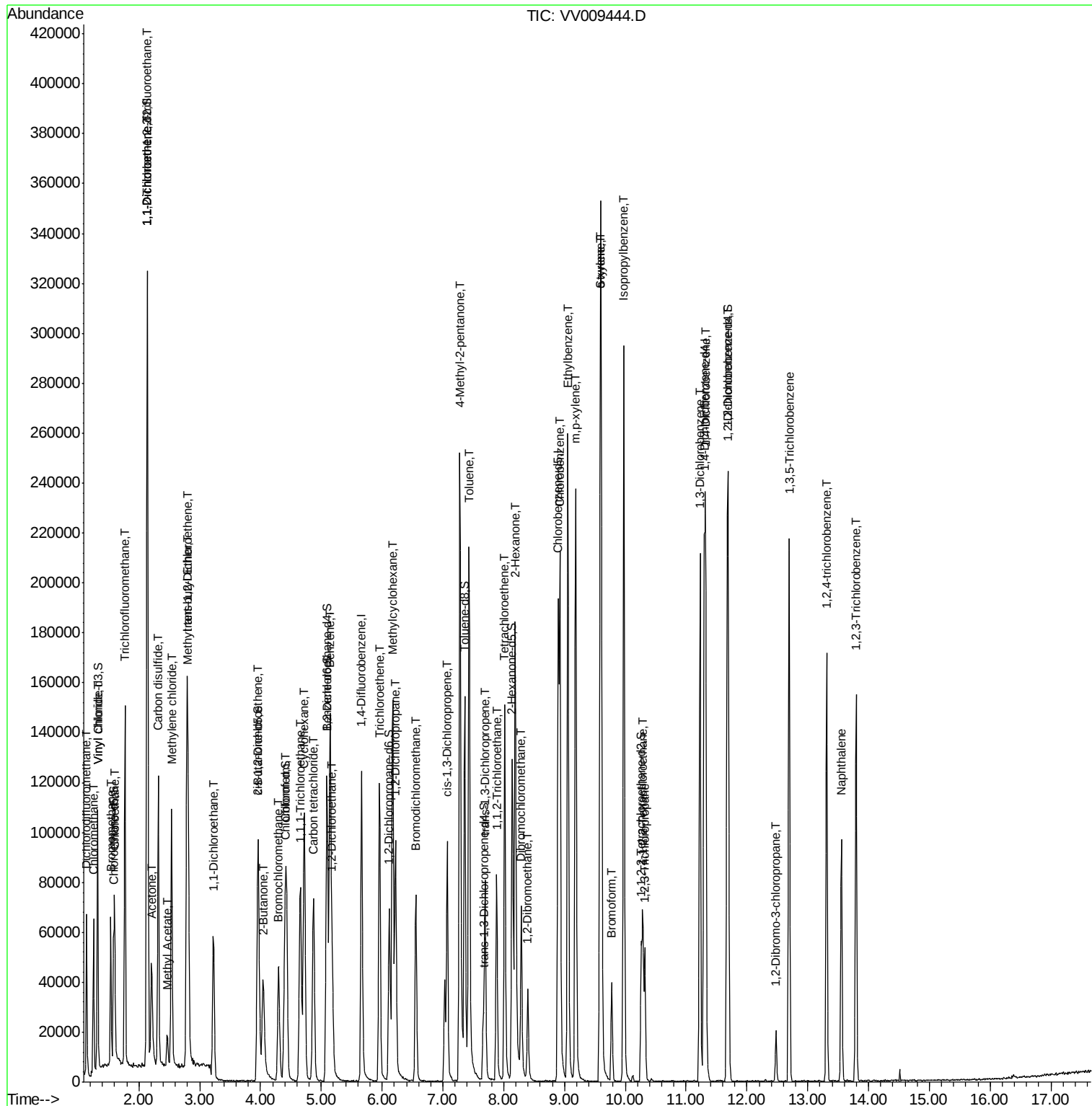
Data File : VV009444.D
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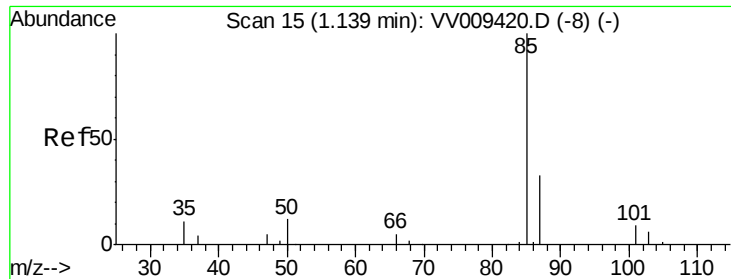
Quant Time: Mar 02 00:04:51 2019
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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	15177	5.055	ug/L	99
25) Chloroform	4.43	83	65346	5.055	ug/L	99
27) 1,2-Dichloroethane	5.18	62	38478	5.104	ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	61334	5.154	ug/L	98
30) Cyclohexane	4.72	56	59573	5.172	ug/L	98
31) Carbon tetrachloride	4.87	117	52736	5.369	ug/L	100
33) Benzene	5.14	78	143925	5.284	ug/L	100
34) Trichloroethene	5.96	95	41533	5.330	ug/L	97
35) Methylcyclohexane	6.17	83	66010	5.159	ug/L	97
37) 1,2-Dichloropropane	6.22	63	34395	5.095	ug/L	98
38) Bromodichloromethane	6.55	83	49765	5.355	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	56088	5.265	ug/L	96
40) 4-Methyl-2-pentanone	7.28	43	187811	51.901	ug/L	97
42) Toluene	7.43	91	166741	5.305	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	43787	5.272	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	25759	5.315	ug/L	97
47) Tetrachloroethene	8.02	164	32531	5.317	ug/L	96
48) 2-Hexanone	8.19	43	125520	51.768	ug/L	99
49) Dibromochloromethane	8.29	129	31201	4.960	ug/L	96
50) 1,2-Dibromoethane	8.40	107	23374	5.096	ug/L	99
51) Chlorobenzene	8.92	112	107984	5.274	ug/L	98
52) Ethylbenzene	9.05	91	191944	5.359	ug/L	99
53) m,p-xylene	9.18	106	74368	5.295	ug/L	96
54) o-xylene	9.59	106	74282	5.439	ug/L	98
55) Styrene	9.60	104	116999	5.286	ug/L	99
56) Isopropylbenzene	9.97	105	196783	5.424	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	30100	5.181	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	21265	5.406	ug/L	97
61) Bromoform	9.77	173	16352	5.108	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	83110	5.154	ug/L	94
63) 1,4-Dichlorobenzene	11.32	146	83124	5.265	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	77894	5.336	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.48	75	4951	5.293	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	61292	5.343	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	48216	5.520	ug/L	99
69) Naphthalene	13.55	128	76076	5.212	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	41867	5.254	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 4.792 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV009444.D

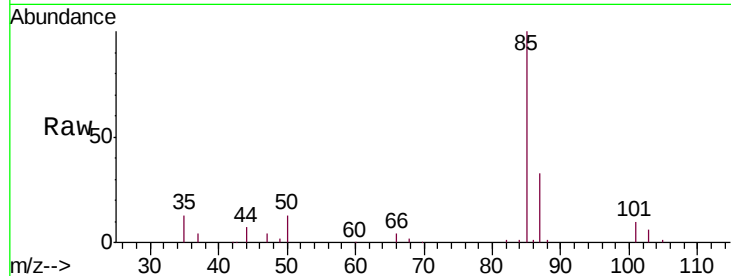
Acq: 01 Mar 2019 09:45

Tgt Ion: 85 Resp: 32984

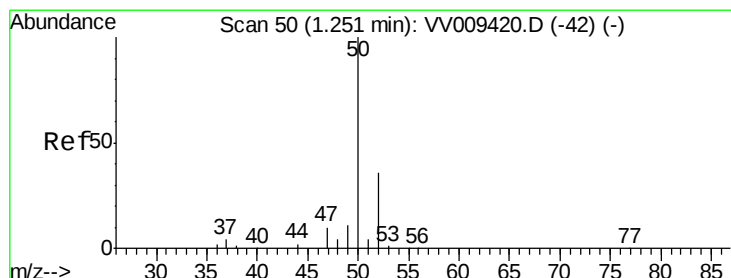
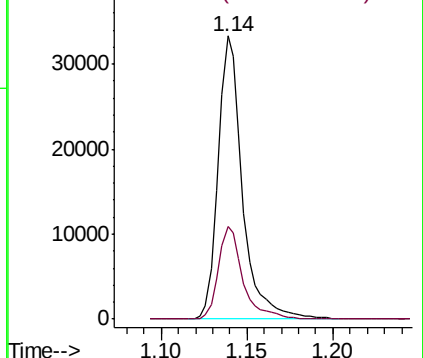
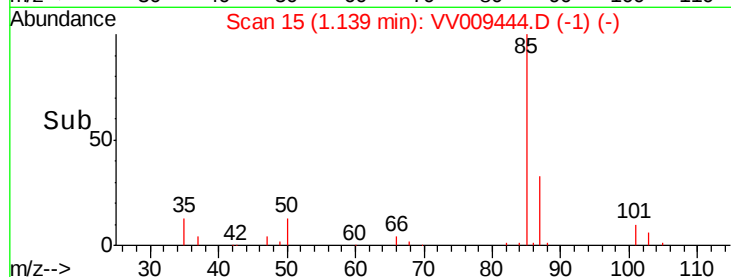
Ion Ratio Lower Upper

85 100

87 32.9 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV009444.D (-1) (-)



#3

Chloromethane

Concen: 5.141 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV009444.D

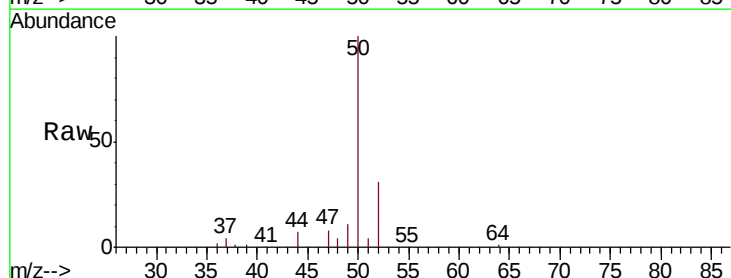
Acq: 01 Mar 2019 09:45

Tgt Ion: 50 Resp: 37447

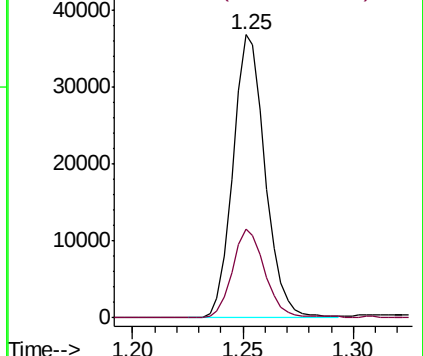
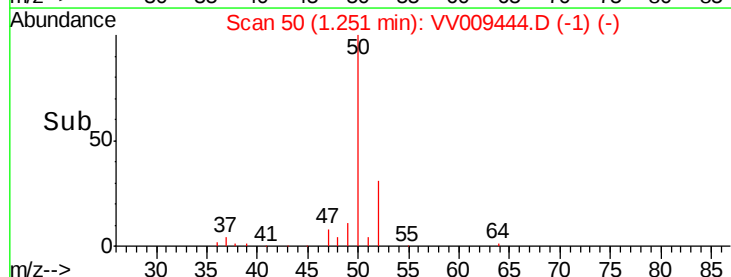
Ion Ratio Lower Upper

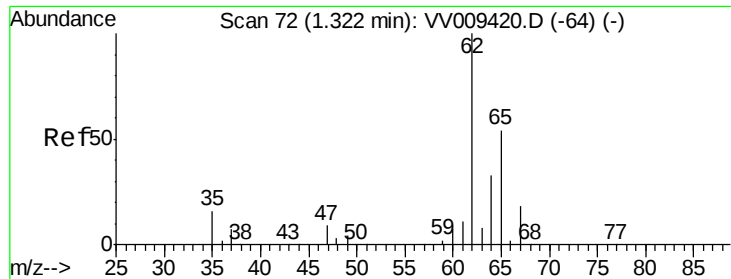
50 100

52 31.4 23.5 43.7



Abundance Ion 50.05 (49.75 to 50.75): VV009444.D (-1) (-)





#5

Vinyl chloride

Concen: 5.143 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV009444.D

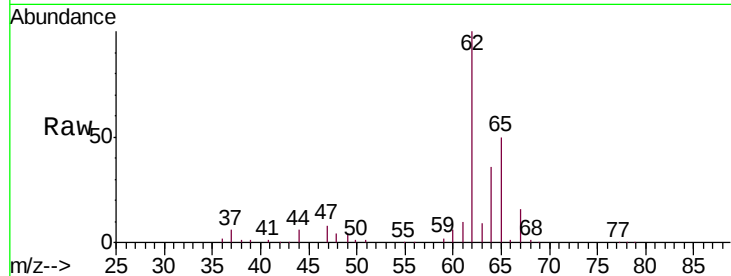
Acq: 01 Mar 2019 09:45

Tgt Ion: 62 Resp: 41075

Ion Ratio Lower Upper

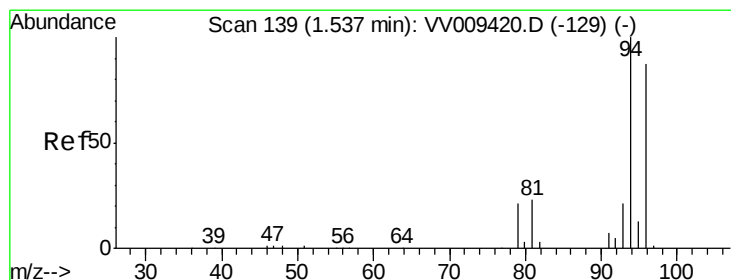
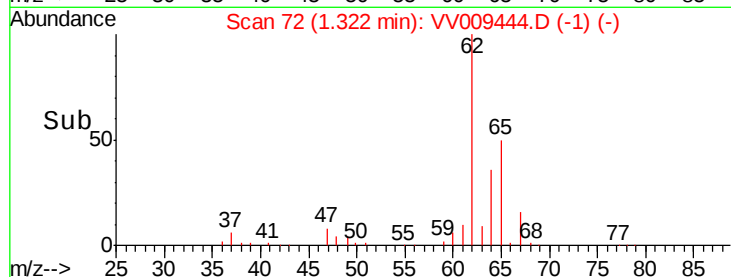
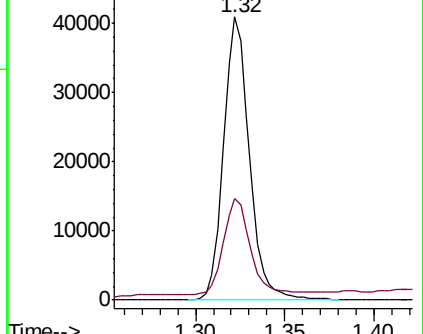
62 100

64 35.8 21.6 40.0



Abundance Ion 62.00 (61.70 to 62.70): VV009444.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV009444.D (-64) (-)



#6

Bromomethane

Concen: 3.913 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV009444.D

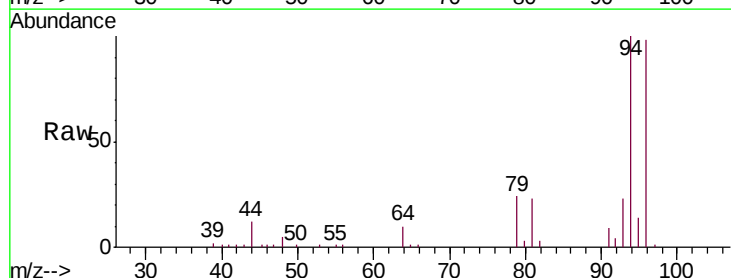
Acq: 01 Mar 2019 09:45

Tgt Ion: 94 Resp: 21444

Ion Ratio Lower Upper

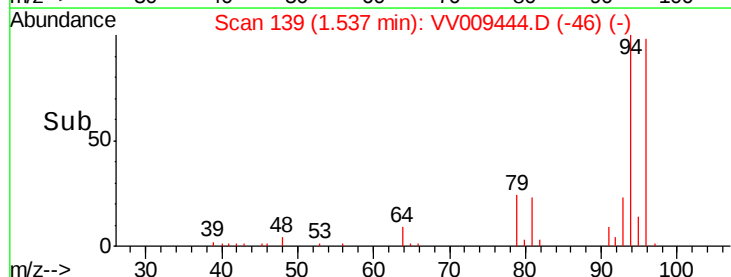
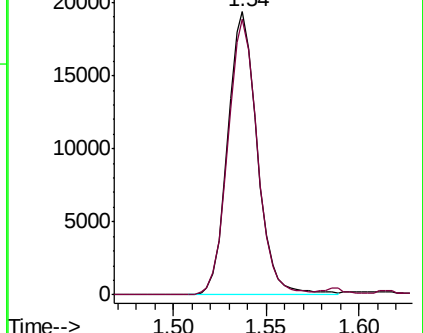
94 100

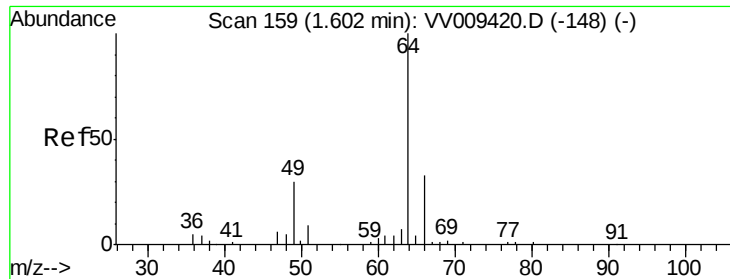
96 97.5 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VV009444.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV009444.D (-129) (-)





#8

Chloroethane

Concen: 6.117 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV009444.D

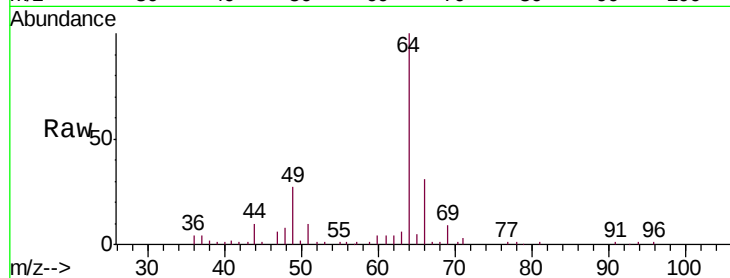
Acq: 01 Mar 2019 09:45

Tgt Ion: 64 Resp: 32511

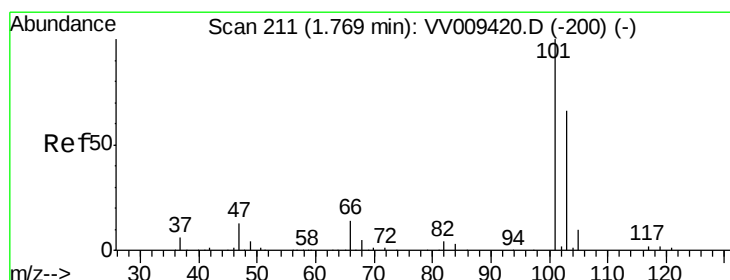
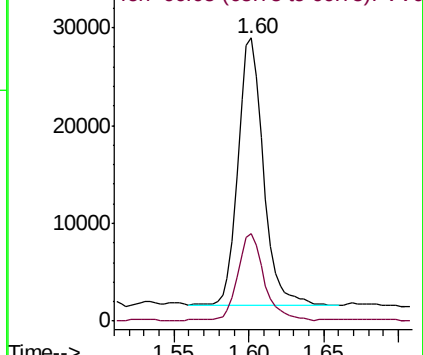
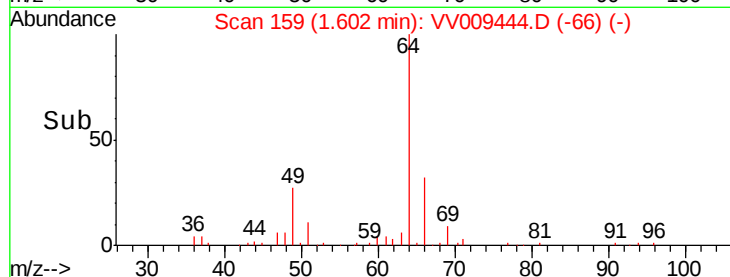
Ion Ratio Lower Upper

64 100

66 30.8 21.3 39.5



Abundance Ion 64.10 (63.80 to 64.80): VV009444.D (-66) (-)



#9

Trichlorofluoromethane

Concen: 4.683 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV009444.D

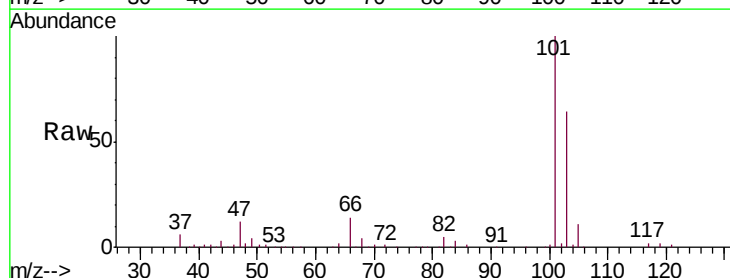
Acq: 01 Mar 2019 09:45

Tgt Ion: 101 Resp: 79383

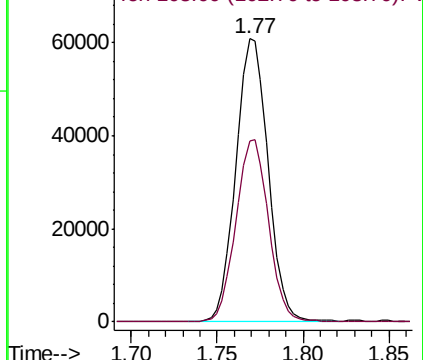
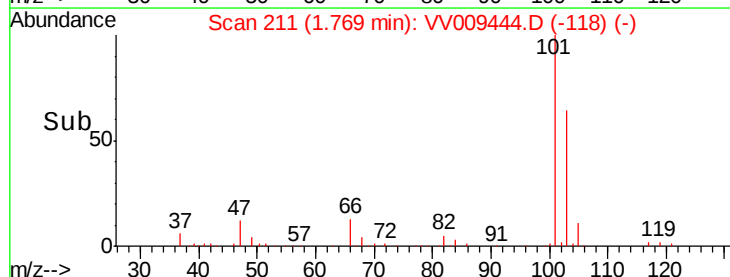
Ion Ratio Lower Upper

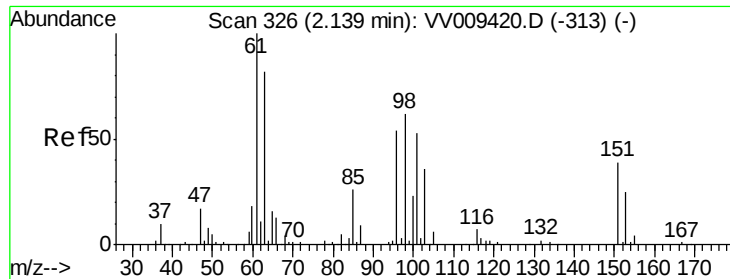
101 100

103 64.8 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VV009444.D (-118) (-)





#10

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

Concen: 5.224 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV009444.D

Acq: 01 Mar 2019 09:45

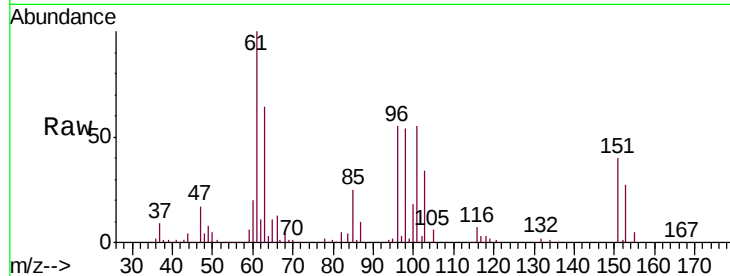
Tgt Ion: 101 Resp: 43119

Ion Ratio Lower Upper

101 100

85 48.2 38.2 57.4

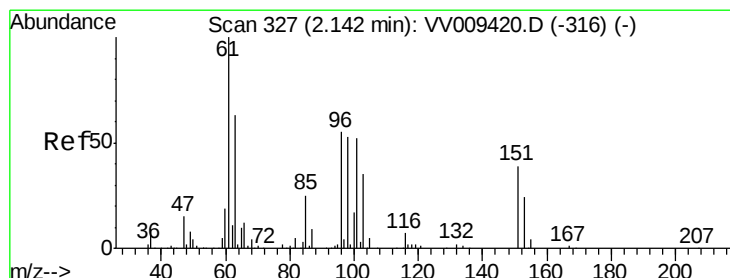
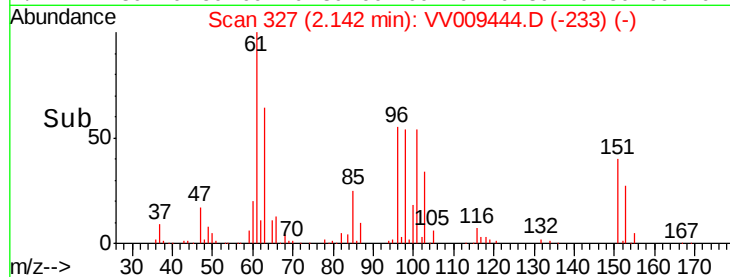
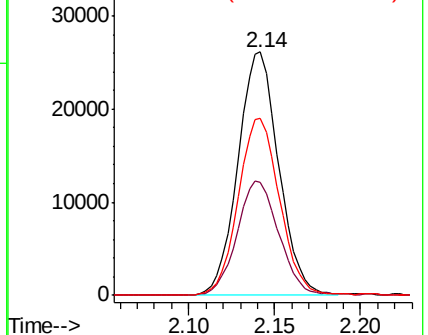
151 73.7 58.0 87.0



Abundance Ion 101.00 (100.70 to 101.70): VV009444.D (-233) (-)

Ion 85.00 (84.70 to 85.70): VV009444.D (-233) (-)

Ion 151.00 (150.70 to 151.70): VV009444.D (-233) (-)



#12

1,1-Dichloroethene

Concen: 5.113 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV009444.D

Acq: 01 Mar 2019 09:45

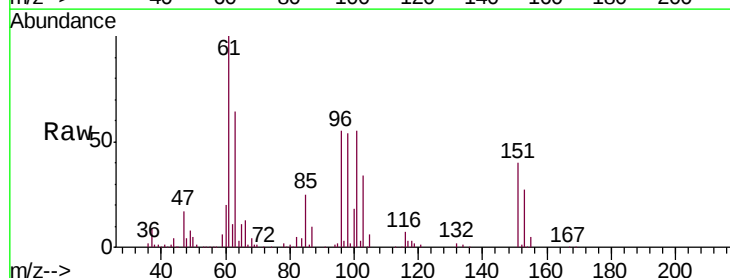
Tgt Ion: 96 Resp: 37516

Ion Ratio Lower Upper

96 100

61 181.9 123.1 228.5

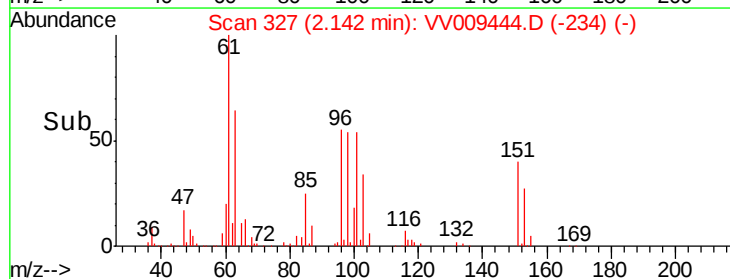
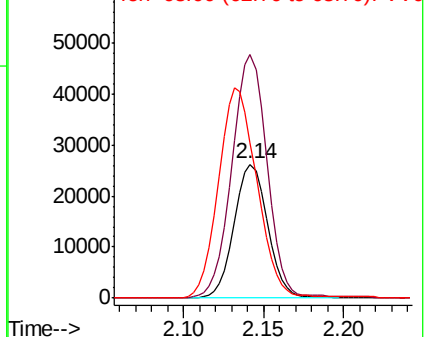
63 116.5 82.9 153.9

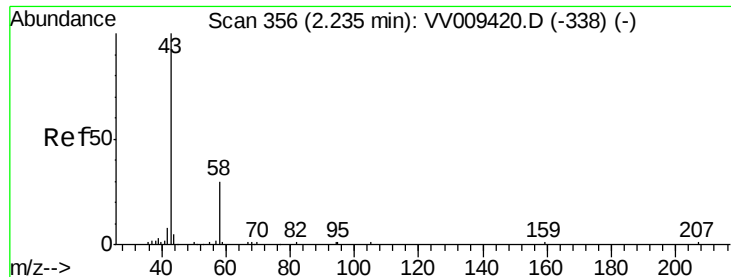


Abundance Ion 96.00 (95.70 to 96.70): VV009444.D (-234) (-)

Ion 61.05 (60.75 to 61.75): VV009444.D (-234) (-)

Ion 63.00 (62.70 to 63.70): VV009444.D (-234) (-)





#13

Acetone

Concen: 52.583 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.03 min

Lab File: VV009444.D

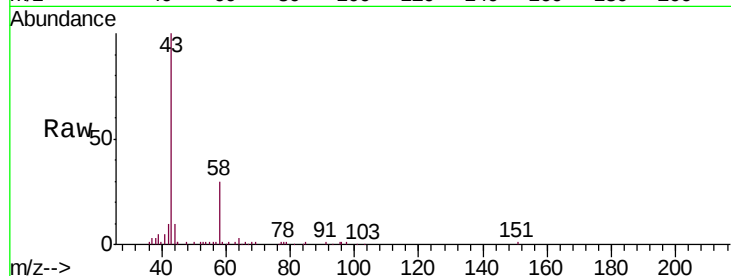
Acq: 01 Mar 2019 09:45

Tgt Ion: 43 Resp: 55411

Ion Ratio Lower Upper

43 100

58 30.0 0.0 62.0



Abundance Ion 43.05 (42.75 to 43.75): VV009444.D (-263) (-)

Ion 58.05 (57.75 to 58.75): VV009444.D (-263) (-)

25000

20000

15000

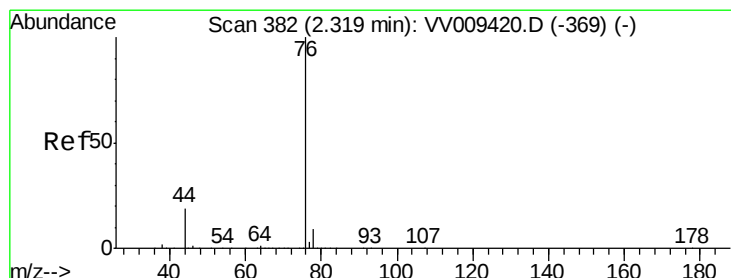
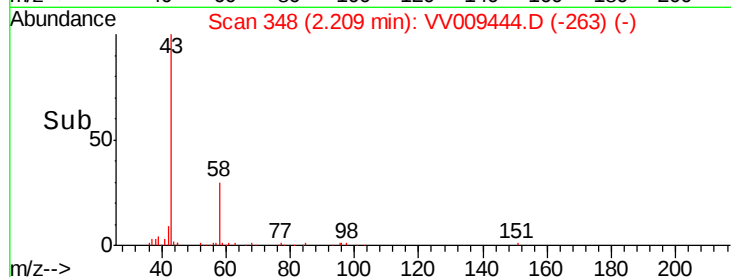
10000

5000

0

Time--> 2.10 2.20 2.30

2.21



#14

Carbon disulfide

Concen: 5.207 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV009444.D

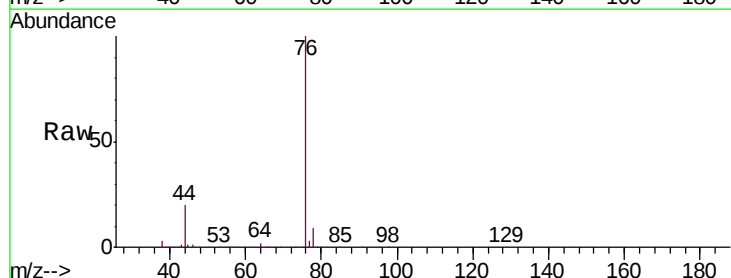
Acq: 01 Mar 2019 09:45

Tgt Ion: 76 Resp: 125412

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VV009444.D (-289) (-)

Ion 78.00 (77.70 to 78.70): VV009444.D (-289) (-)

100000

80000

60000

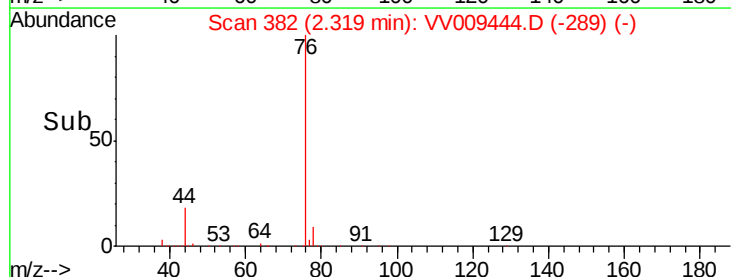
40000

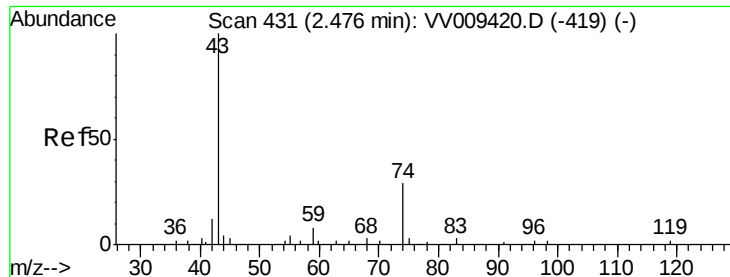
20000

0

Time--> 2.25 2.30 2.35 2.40 2.45

2.32





#15

Methyl Acetate

Concen: 5.117 ug/L

RT: 2.47 min Scan# 428

Delta R.T. -0.01 min

Lab File: VV009444.D

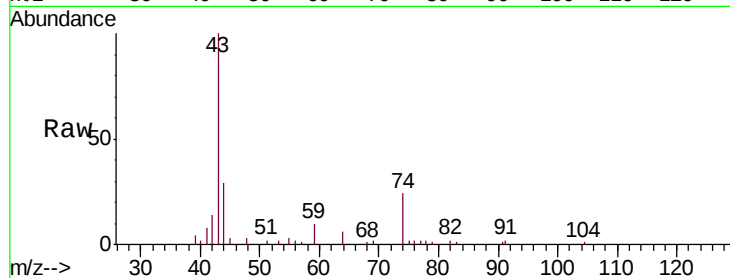
Acq: 01 Mar 2019 09:45

Tgt Ion: 43 Resp: 14079

Ion Ratio Lower Upper

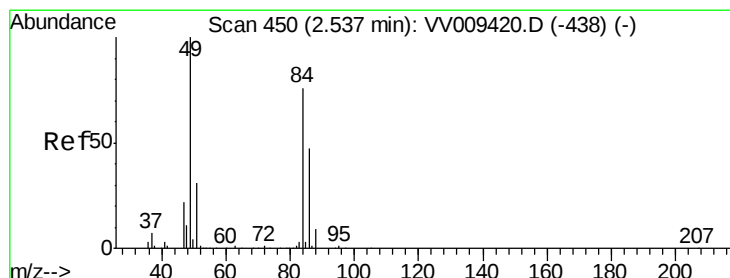
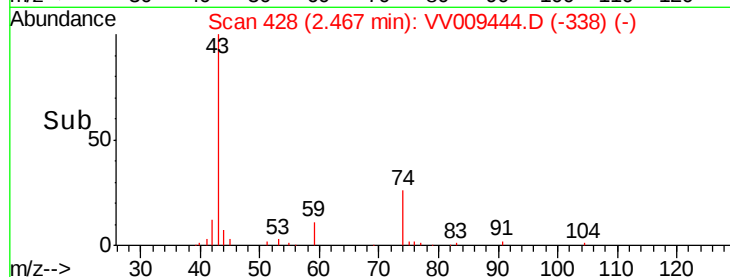
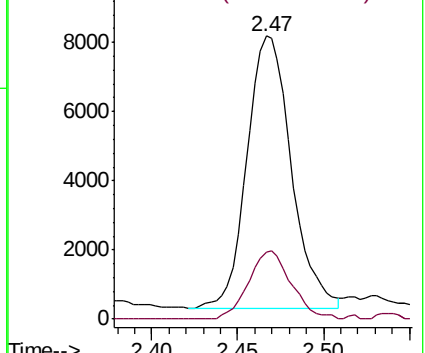
43 100

74 24.1 20.6 30.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 4.902 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV009444.D

Acq: 01 Mar 2019 09:45

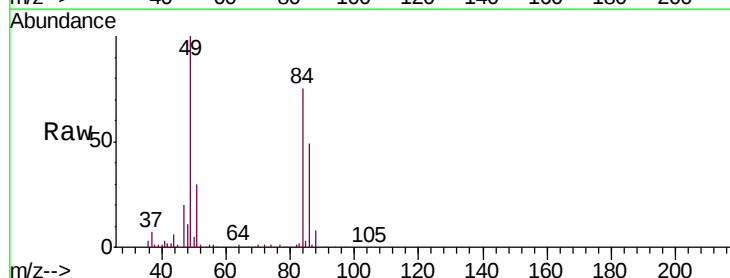
Tgt Ion: 84 Resp: 39953

Ion Ratio Lower Upper

84 100

86 65.0 42.8 79.4

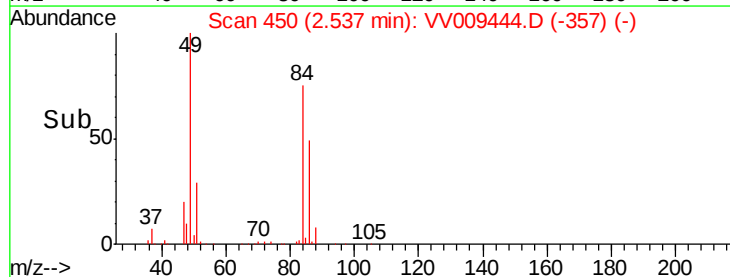
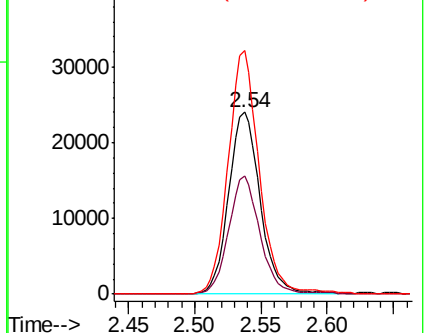
49 133.8 90.6 168.2

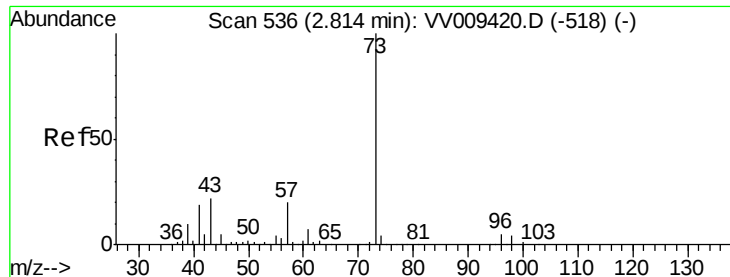


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

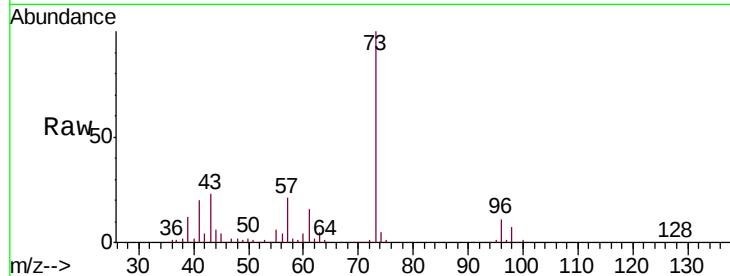




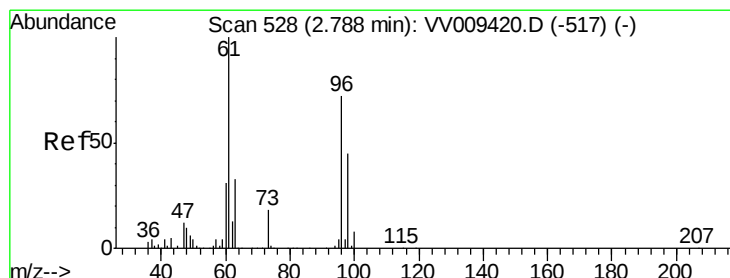
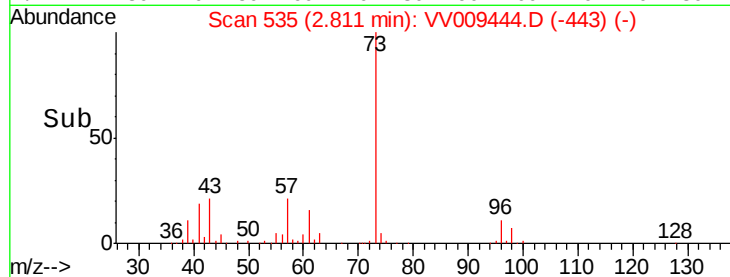
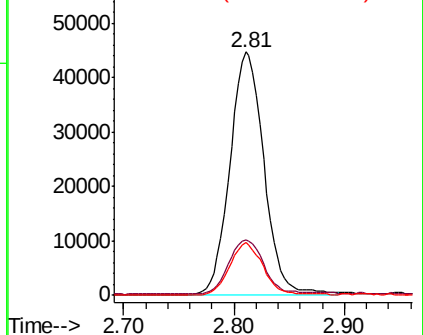
#17

Methyl tert-butyl Ether
 Concen: 5.118 ug/L
 RT: 2.81 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VV009444.D
 Acq: 01 Mar 2019 09:45

Tgt Ion:	73	Resp:	96136
Ion	Ratio	Lower	Upper
73	100		
43	22.2	18.1	27.1
57	21.3	15.8	23.8



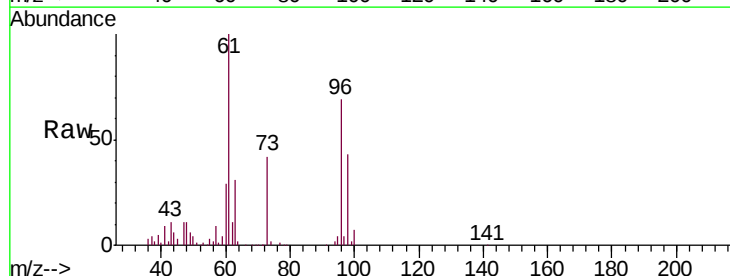
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



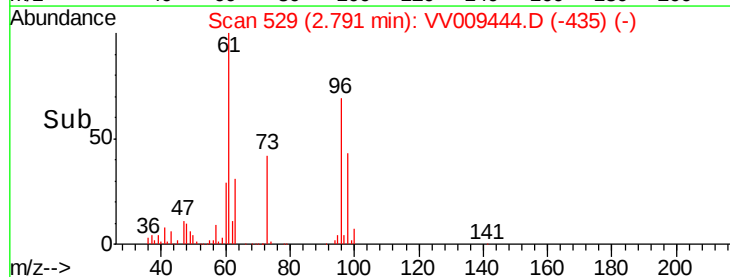
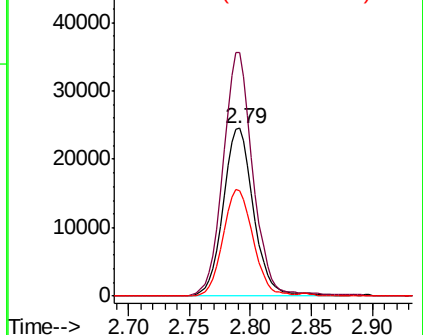
#18

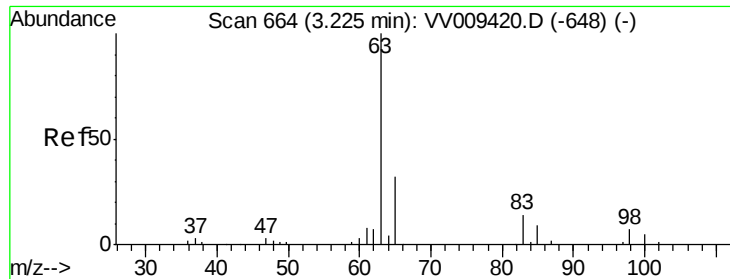
trans-1,2-Dichloroethene
 Concen: 5.429 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VV009444.D
 Acq: 01 Mar 2019 09:45

Tgt Ion:	96	Resp:	43149
Ion	Ratio	Lower	Upper
96	100		
61	144.7	106.0	196.8
98	62.9	48.2	89.4



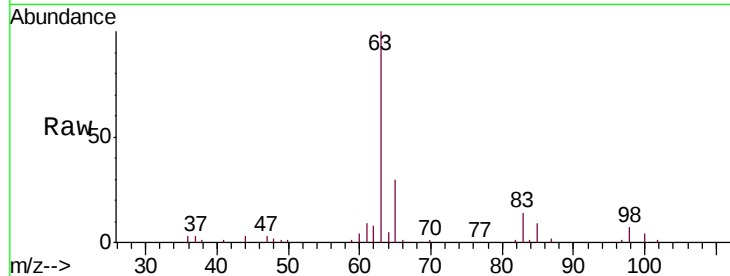
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 97.95 (97.65 to 98.65): VV0



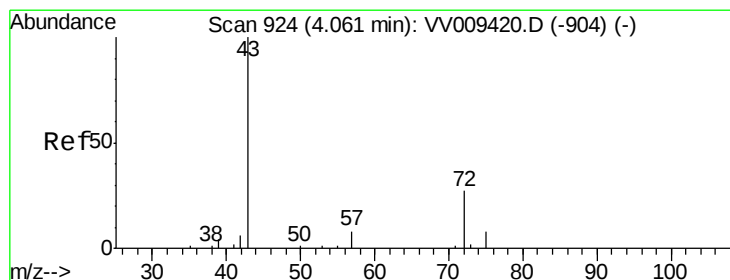
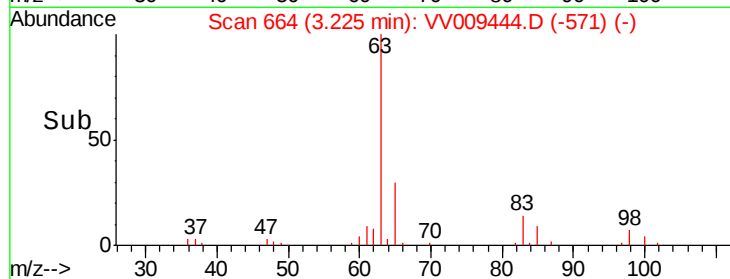
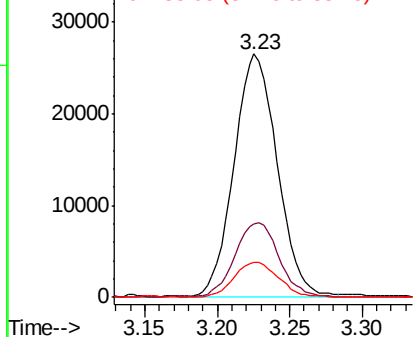


#19
 1,1-Dichloroethane
 Concen: 5.130 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV009444.D
 Acq: 01 Mar 2019 09:45

Tgt Ion: 63 Resp: 55226
 Ion Ratio Lower Upper
 63 100
 65 30.3 21.6 40.2
 83 14.4 10.4 19.4

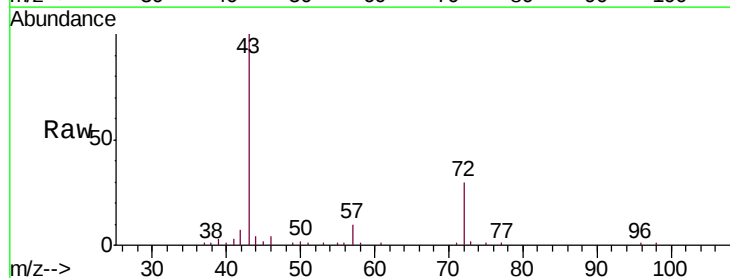


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

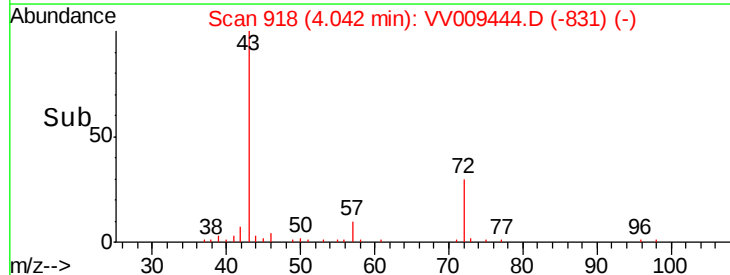
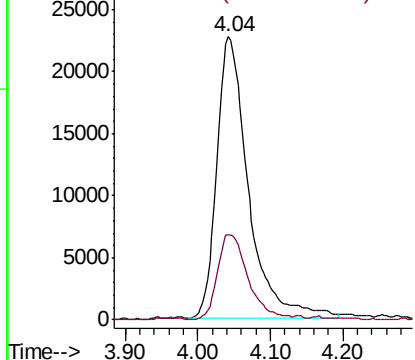


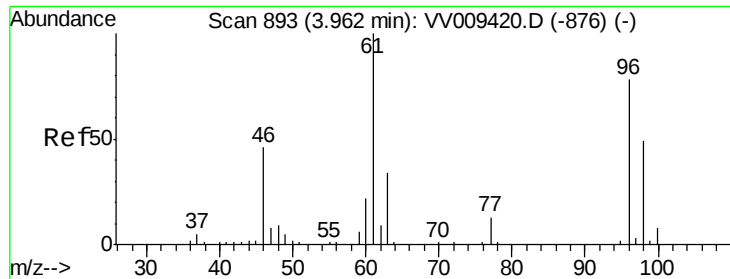
#21
 2-Butanone
 Concen: 51.325 ug/L
 RT: 4.04 min Scan# 918
 Delta R.T. -0.02 min
 Lab File: VV009444.D
 Acq: 01 Mar 2019 09:45

Tgt Ion: 43 Resp: 68503
 Ion Ratio Lower Upper
 43 100
 72 29.7 15.4 46.1



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

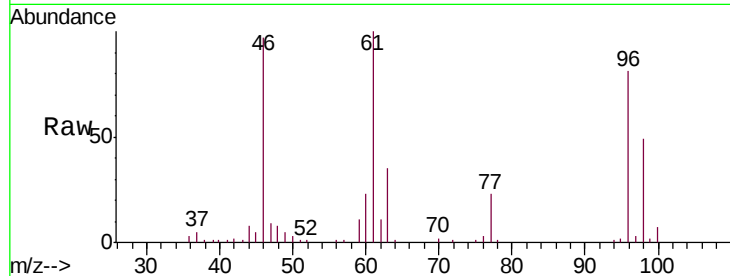




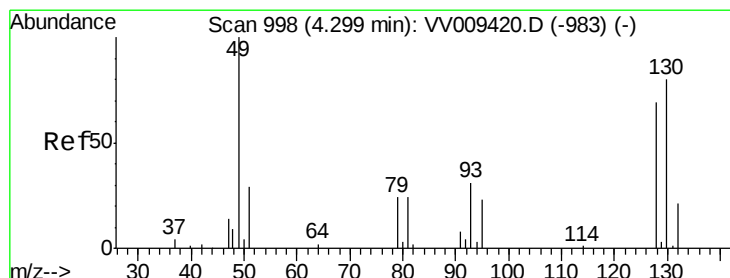
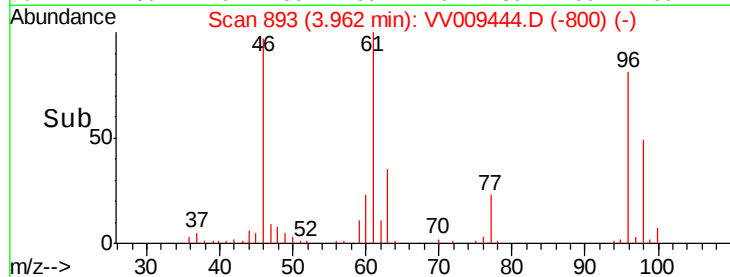
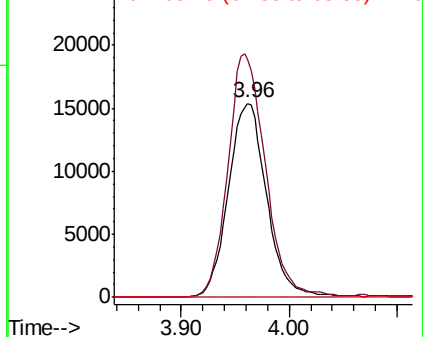
#22

cis-1,2-Dichloroethene
 Concen: 5.110 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV009444.D
 Acq: 01 Mar 2019 09:45

Tgt Ion: 96 Resp: 37925
 Ion Ratio Lower Upper
 96 100
 61 123.4 86.0 159.8
 68 0.0 0.0 0.0



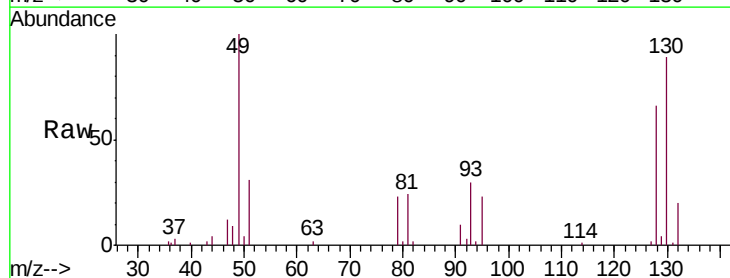
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



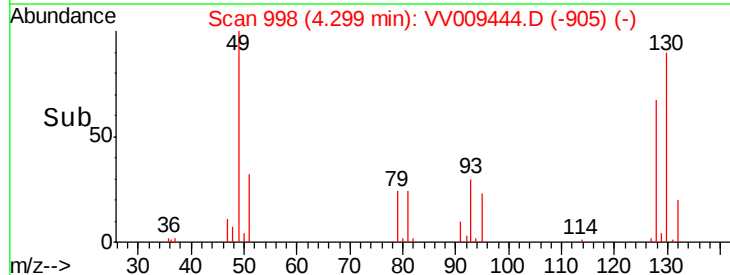
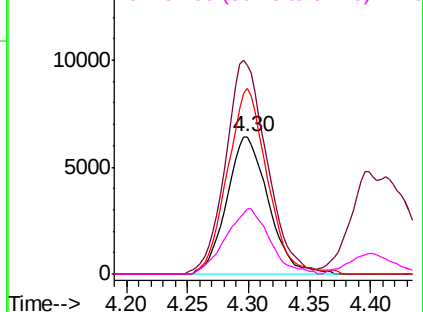
#23

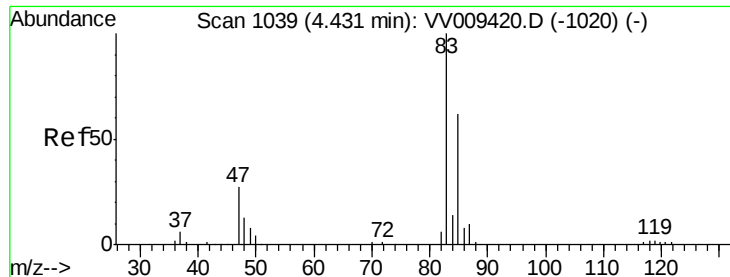
Bromochloromethane
 Concen: 5.055 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VV009444.D
 Acq: 01 Mar 2019 09:45

Tgt Ion: 128 Resp: 15177
 Ion Ratio Lower Upper
 128 100
 49 151.8 105.8 196.4
 130 134.8 93.2 173.0
 51 47.7 39.7 59.5



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





#25

Chloroform

Concen: 5.055 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VV009444.D

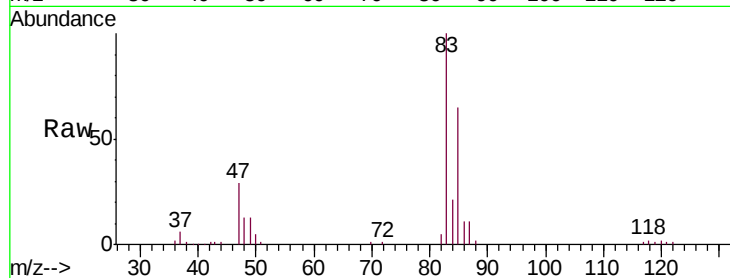
Acq: 01 Mar 2019 09:45

Tgt Ion: 83 Resp: 65346

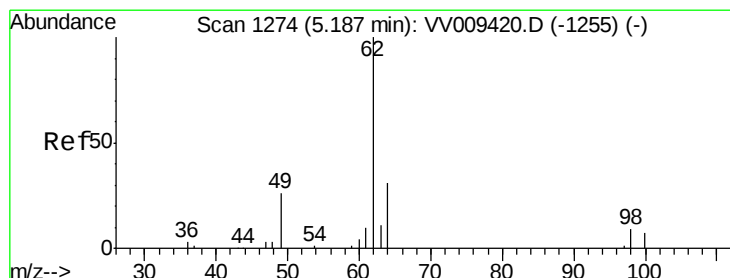
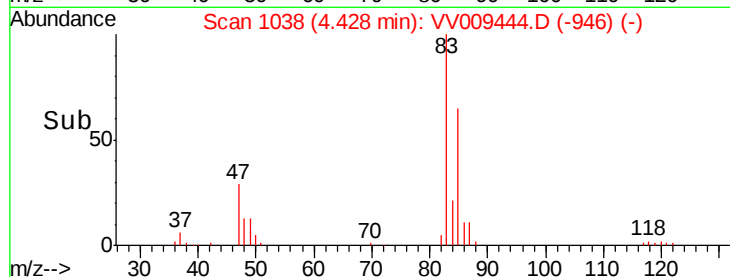
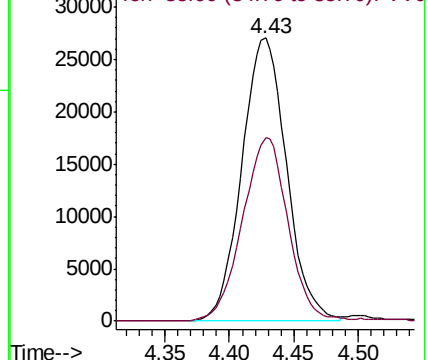
Ion Ratio Lower Upper

83 100

85 64.7 45.7 84.9



Abundance Ion 83.05 (82.75 to 83.75): VV009444.D (-946) (-)



#27

1,2-Dichloroethane

Concen: 5.104 ug/L

RT: 5.18 min Scan# 1272

Delta R.T. -0.01 min

Lab File: VV009444.D

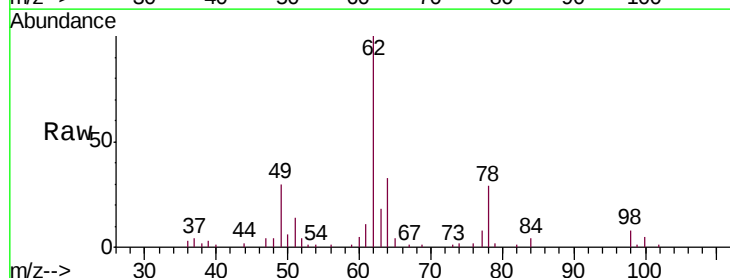
Acq: 01 Mar 2019 09:45

Tgt Ion: 62 Resp: 38478

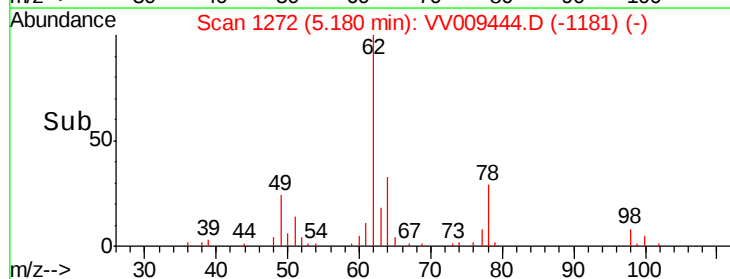
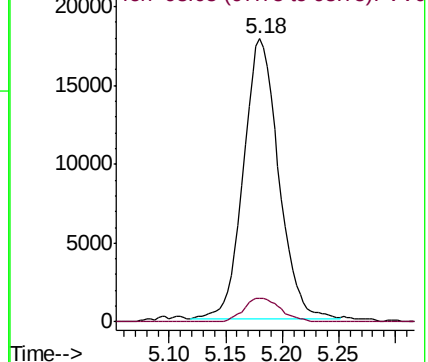
Ion Ratio Lower Upper

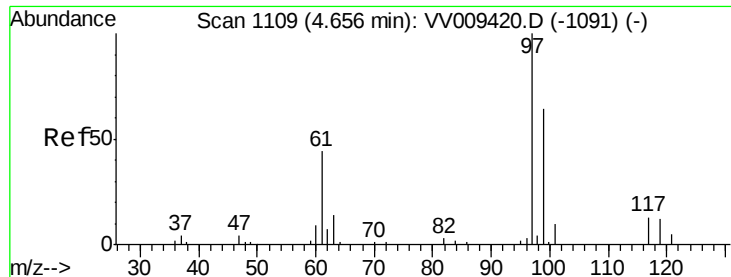
62 100

98 8.4 6.6 10.0



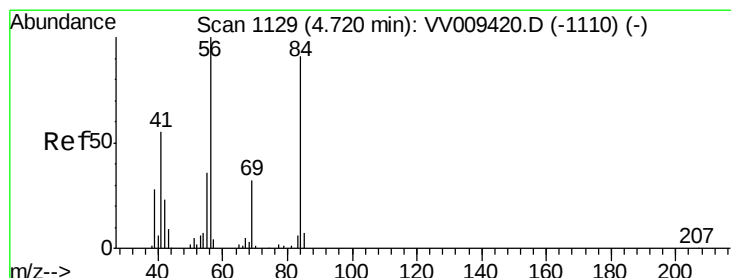
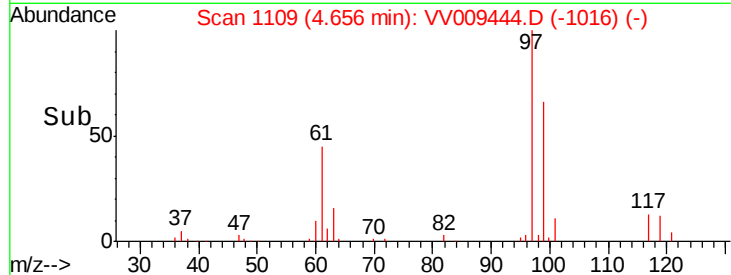
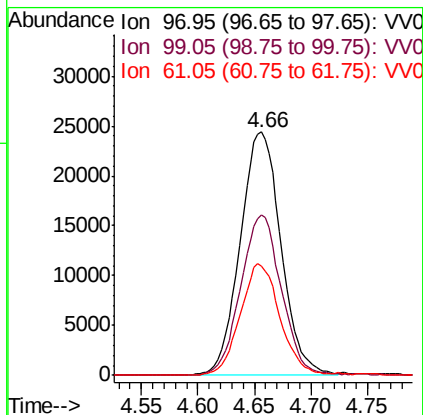
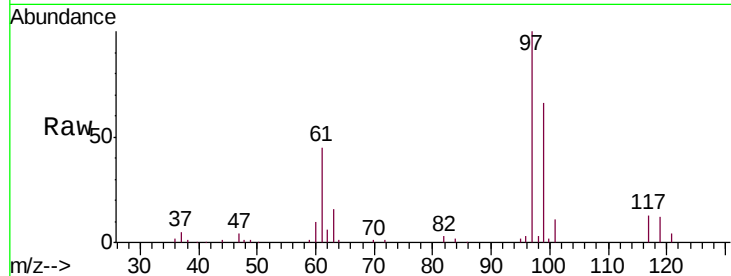
Abundance Ion 62.00 (61.70 to 62.70): VV009444.D (-1181) (-)





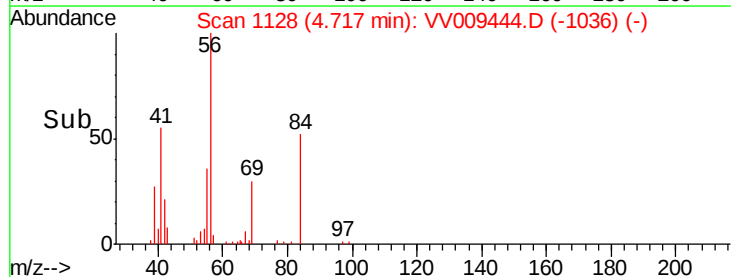
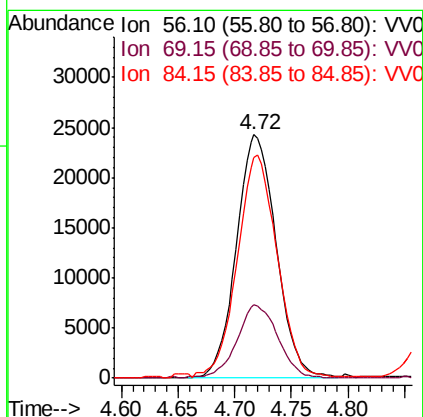
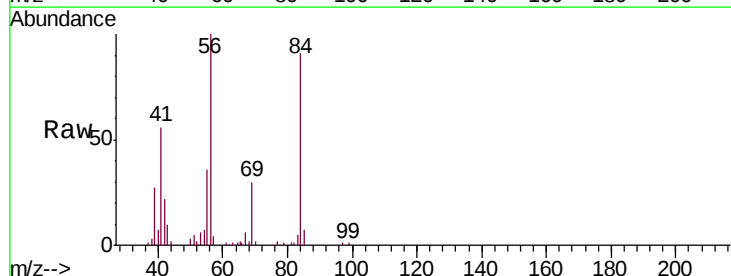
#29
 1,1,1-Trichloroethane
 Concen: 5.154 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV009444.D
 Acq: 01 Mar 2019 09:45

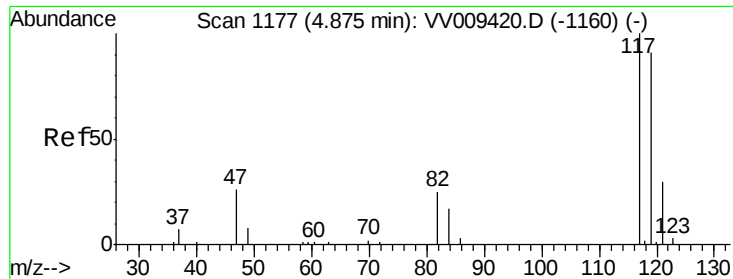
Tgt Ion: 97 Resp: 61334
 Ion Ratio Lower Upper
 97 100
 99 65.4 50.5 75.7
 61 44.5 35.1 52.7



#30
 Cyclohexane
 Concen: 5.172 ug/L
 RT: 4.72 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VV009444.D
 Acq: 01 Mar 2019 09:45

Tgt Ion: 56 Resp: 59573
 Ion Ratio Lower Upper
 56 100
 69 31.0 25.2 37.8
 84 92.1 71.5 107.3





#31

Carbon tetrachloride

Concen: 5.369 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV009444.D

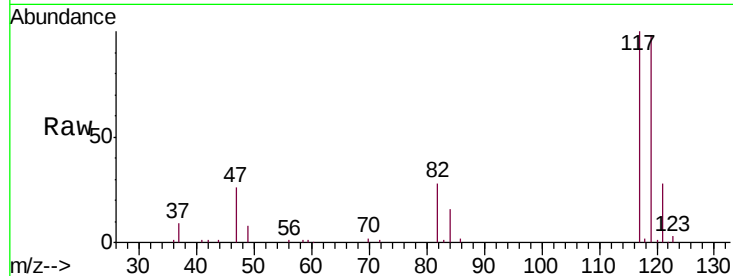
Acq: 01 Mar 2019 09:45

Tgt Ion: 117 Resp: 52736

Ion Ratio Lower Upper

117 100

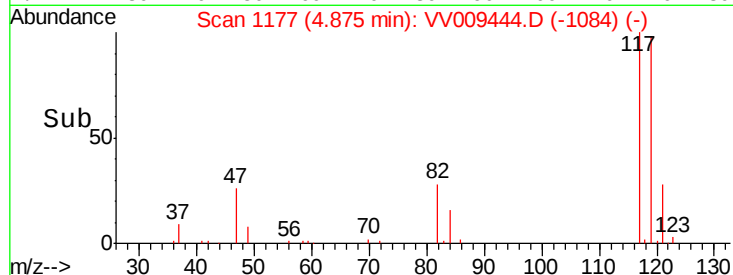
119 95.8 76.9 115.3



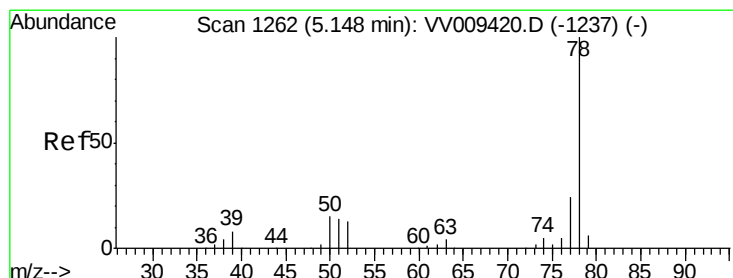
Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87



Time-->



#33

Benzene

Concen: 5.284 ug/L

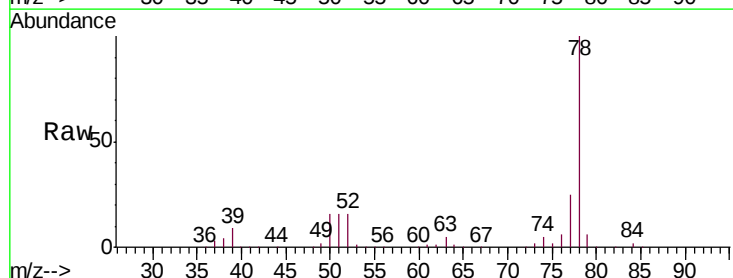
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VV009444.D

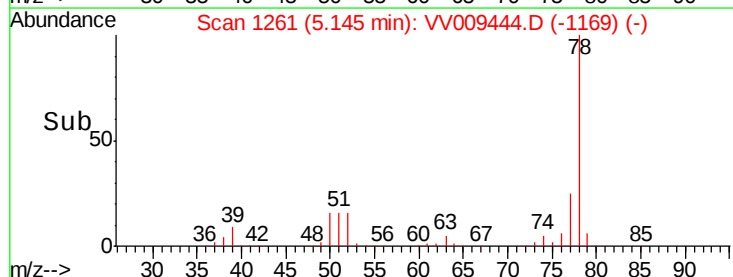
Acq: 01 Mar 2019 09:45

Tgt Ion: 78 Resp: 143925

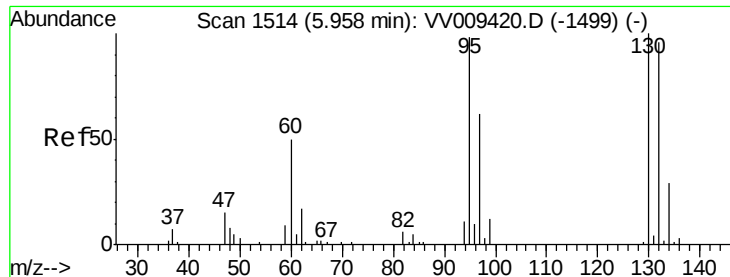


Abundance Ion 78.10 (77.80 to 78.80): VV0

5.14



Time-->



#34

Trichloroethene

Concen: 5.330 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV009444.D

Acq: 01 Mar 2019 09:45

Tgt Ion: 95 Resp: 41533

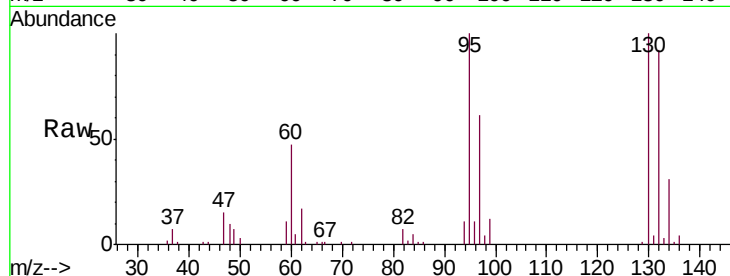
Ion Ratio Lower Upper

95 100

97 60.7 44.2 82.2

132 92.1 67.8 126.0

130 100.0 70.4 130.8

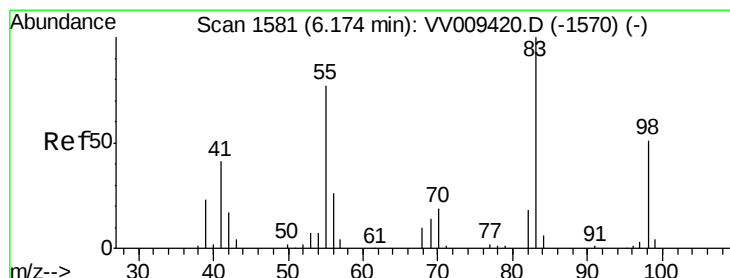
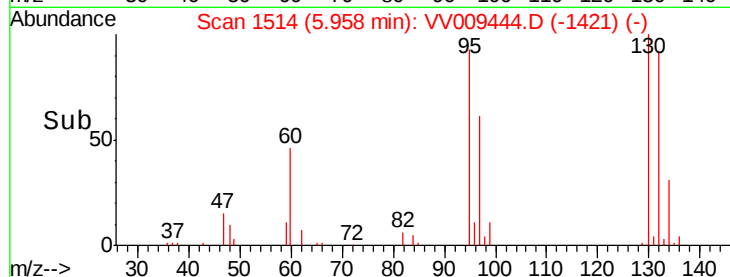
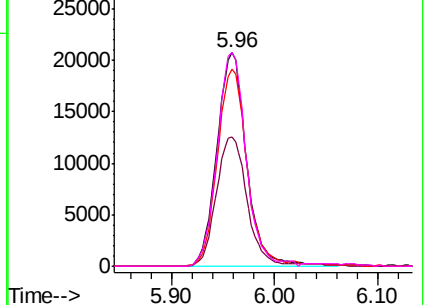


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 5.159 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV009444.D

Acq: 01 Mar 2019 09:45

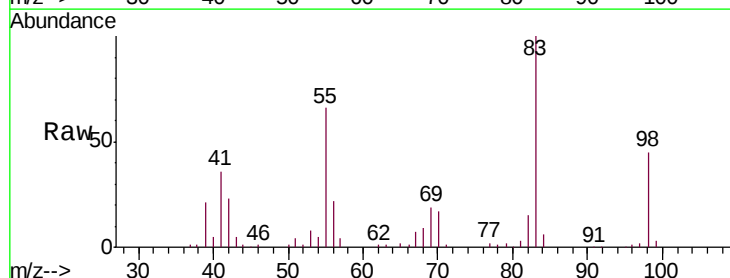
Tgt Ion: 83 Resp: 66010

Ion Ratio Lower Upper

83 100

55 72.5 59.8 89.8

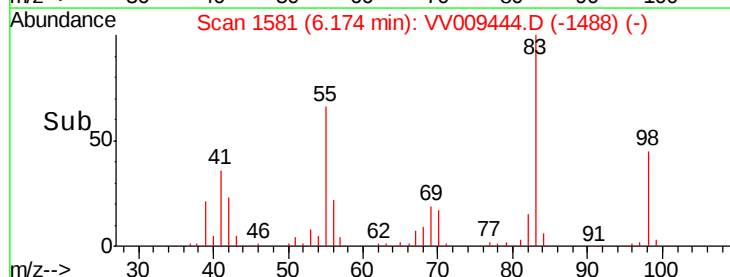
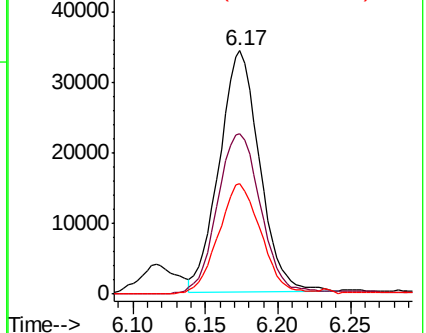
98 48.2 39.9 59.9

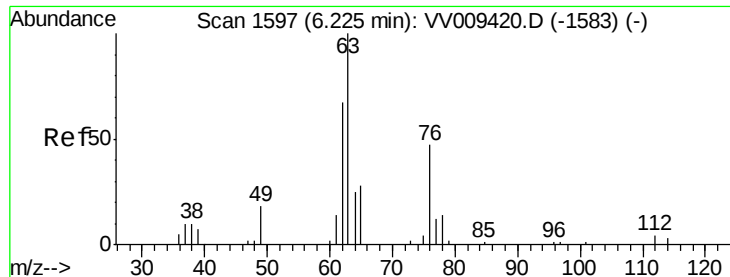


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 5.095 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VV009444.D

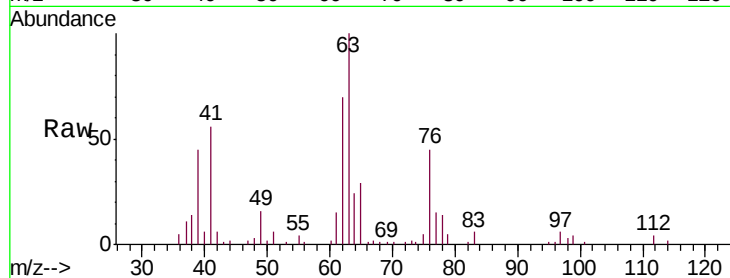
Acq: 01 Mar 2019 09:45

Tgt Ion: 63 Resp: 34395

Ion Ratio Lower Upper

63 100

112 4.5 3.1 4.7



Abundance Ion 63.10 (62.80 to 63.80): VV009444.D (-1583) (-)

Ion 112.10 (111.80 to 112.80): VV009444.D (-1583) (-)

6.22

20000

15000

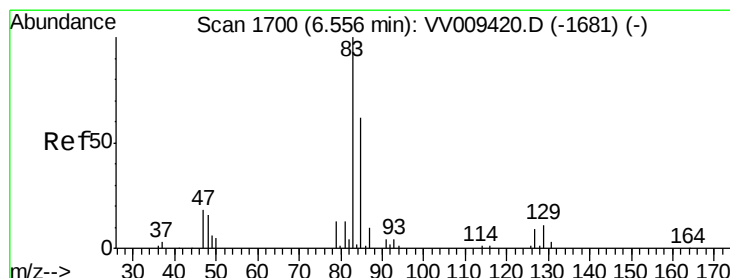
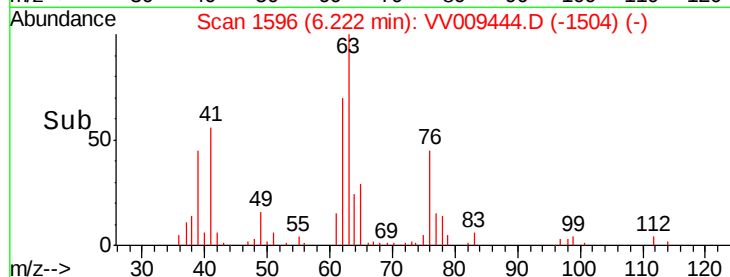
10000

5000

0

6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 5.355 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV009444.D

Acq: 01 Mar 2019 09:45

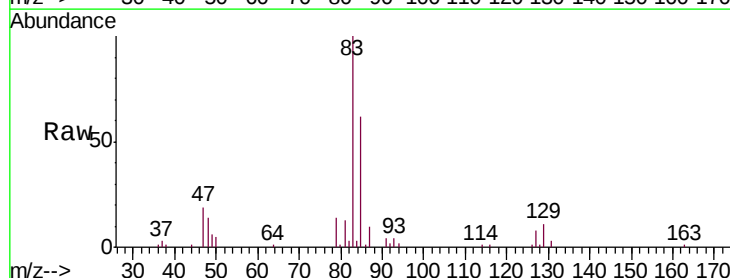
Tgt Ion: 83 Resp: 49765

Ion Ratio Lower Upper

83 100

85 62.4 45.2 84.0

127 8.4 7.1 10.7



Abundance Ion 82.95 (82.65 to 83.65): VV009444.D (-1681) (-)

Ion 85.00 (84.70 to 85.70): VV009444.D (-1681) (-)

Ion 126.90 (126.60 to 127.60): VV009444.D (-1681) (-)

6.55

30000

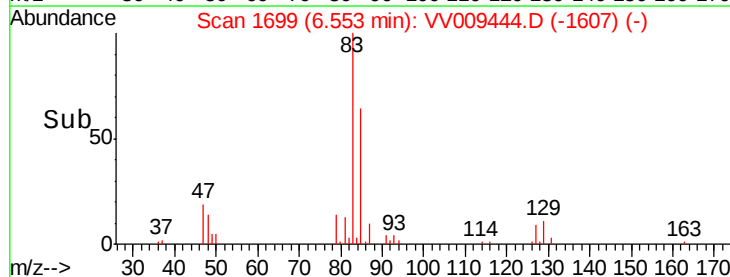
20000

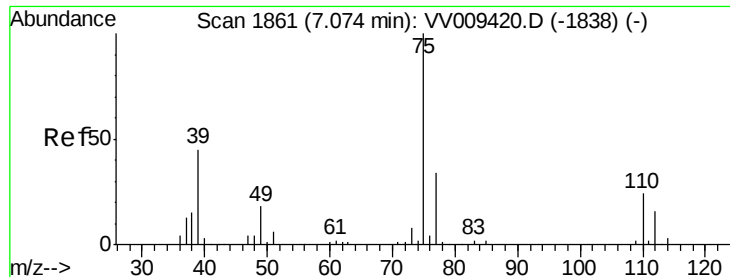
10000

0

6.50 6.60 6.70

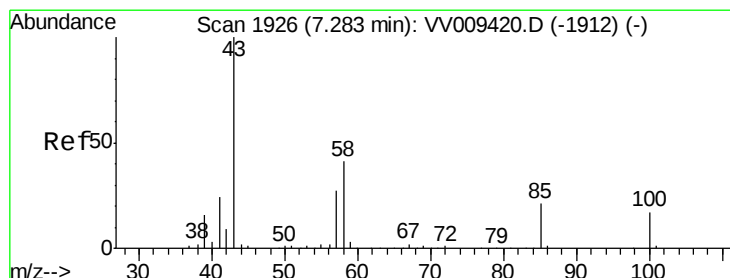
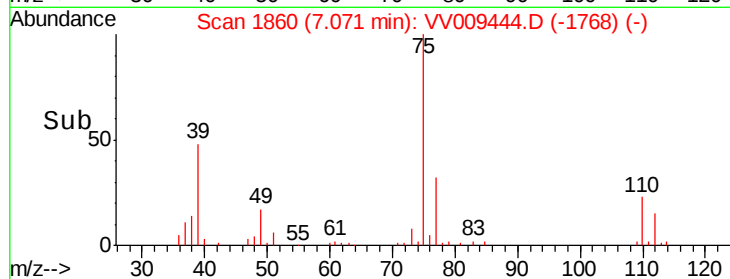
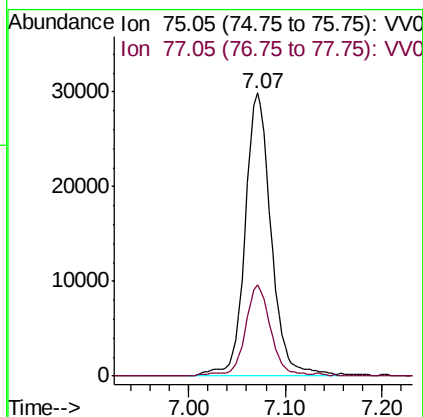
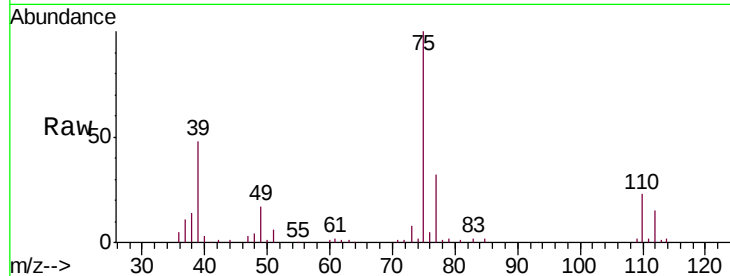
Time-->





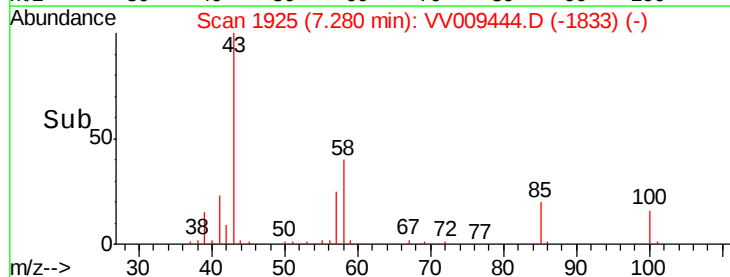
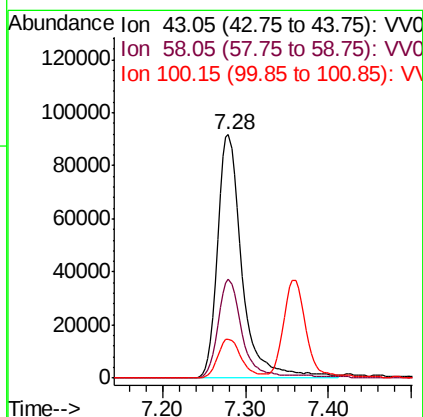
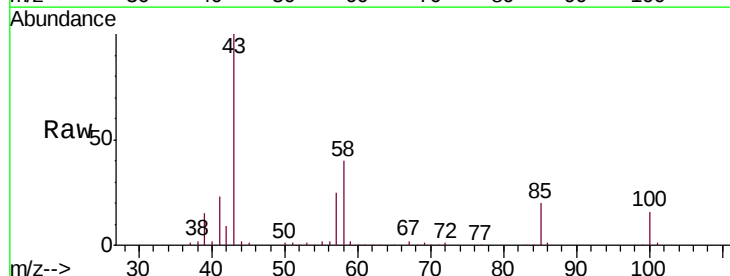
#39
 cis-1,3-Dichloropropene
 Concen: 5.265 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV009444.D
 Acq: 01 Mar 2019 09:45

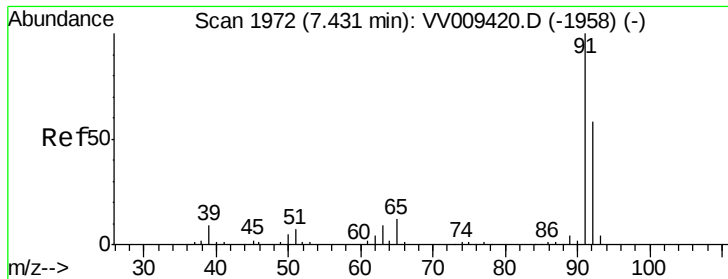
Tgt Ion: 75 Resp: 56088
 Ion Ratio Lower Upper
 75 100
 77 32.2 21.1 39.1



#40
 4-Methyl-2-pentanone
 Concen: 51.901 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. -0.00 min
 Lab File: VV009444.D
 Acq: 01 Mar 2019 09:45

Tgt Ion: 43 Resp: 187811
 Ion Ratio Lower Upper
 43 100
 58 38.8 32.7 49.1
 100 15.7 12.4 18.6





#42

Toluene

Concen: 5.305 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV009444.D

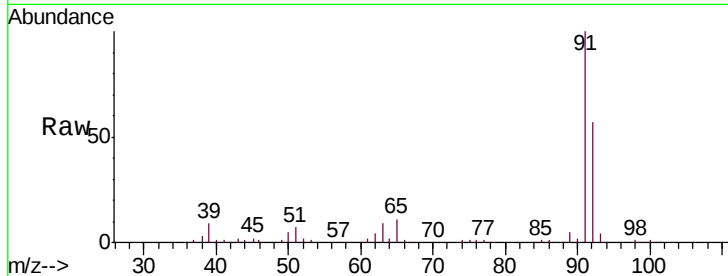
Acq: 01 Mar 2019 09:45

Tgt Ion: 91 Resp: 166741

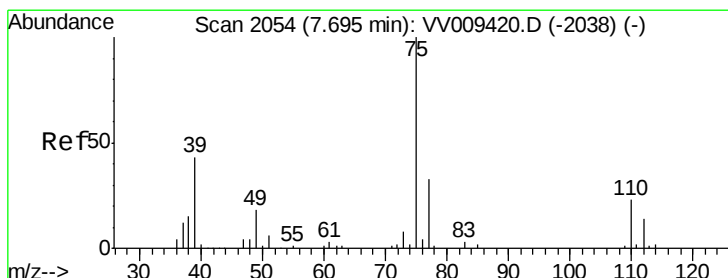
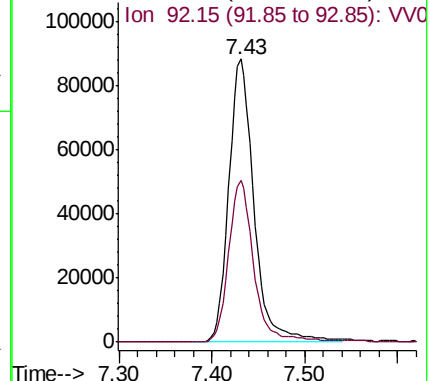
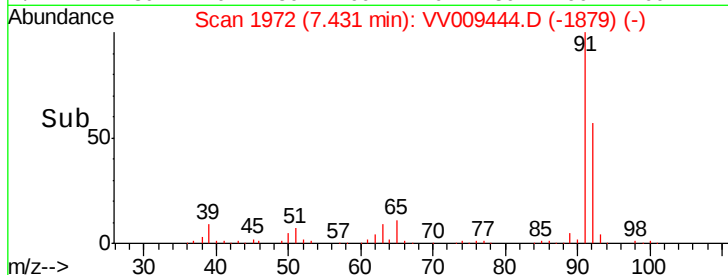
Ion Ratio Lower Upper

91 100

92 57.1 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VV009444.D (-1879) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.272 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV009444.D

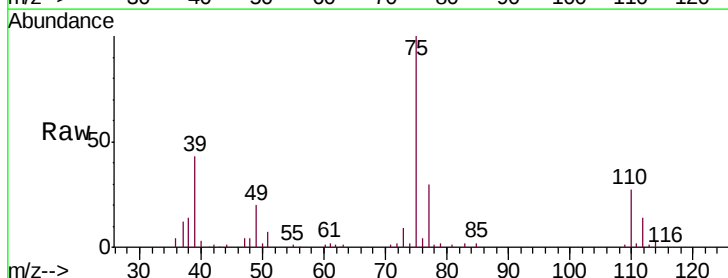
Acq: 01 Mar 2019 09:45

Tgt Ion: 75 Resp: 43787

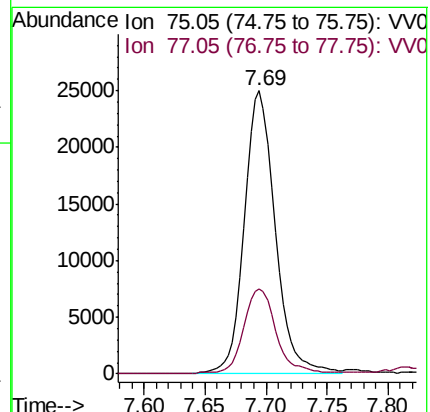
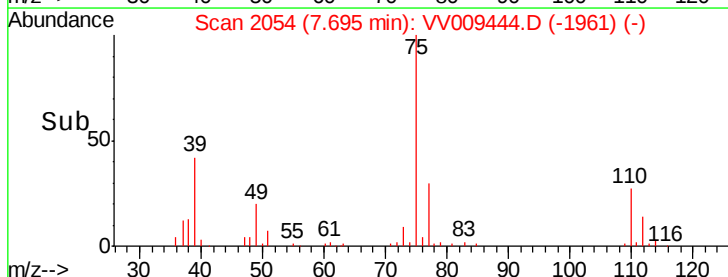
Ion Ratio Lower Upper

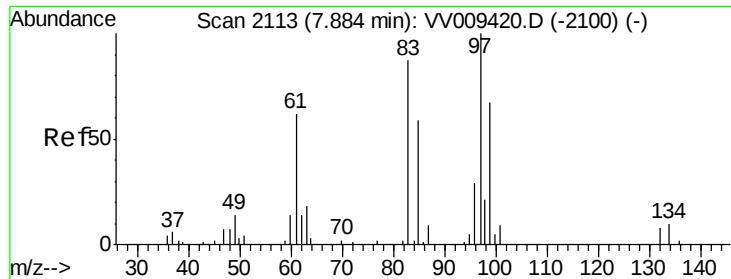
75 100

77 30.2 22.2 41.2



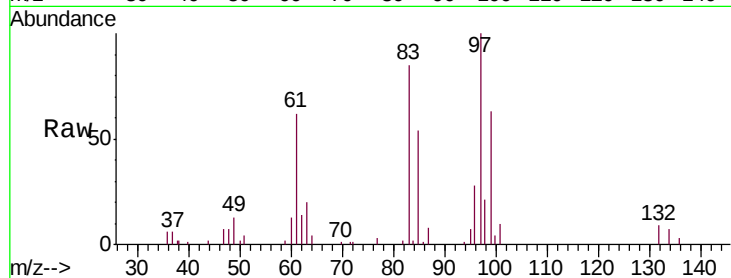
Abundance Ion 75.05 (74.75 to 75.75): VV009444.D (-1961) (-)



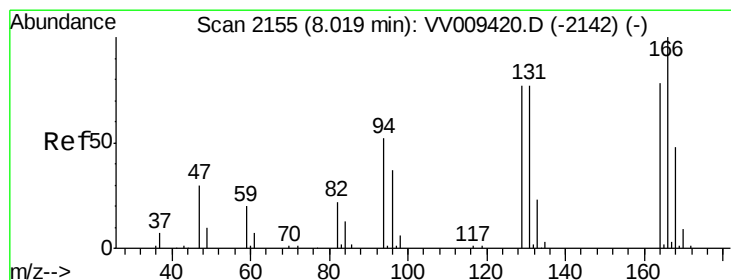
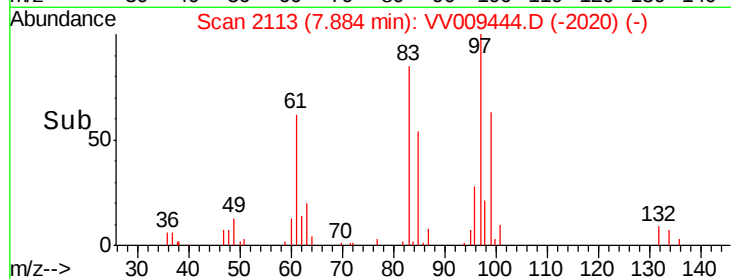
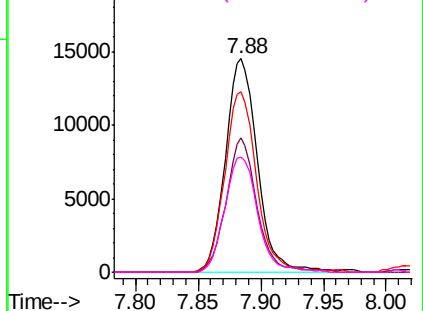


#45
 1,1,2-Trichloroethane
 Concen: 5.315 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV009444.D
 Acq: 01 Mar 2019 09:45

Tgt Ion:	97	Resp:	25759
Ion	Ratio	Lower	Upper
97	100		
99	62.8	45.4	84.4
83	84.5	58.8	109.2
85	53.8	41.9	77.7

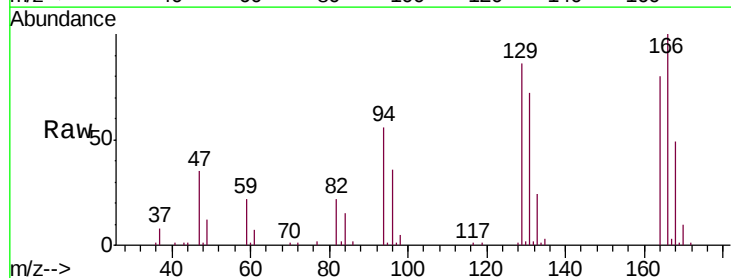


Abundance Ion 96.95 (96.65 to 97.65): VV009444.D (-2020) (-)
 Ion 99.05 (98.75 to 99.75): VV009444.D (-2020) (-)
 Ion 82.95 (82.65 to 83.65): VV009444.D (-2020) (-)
 Ion 85.00 (84.70 to 85.70): VV009444.D (-2020) (-)

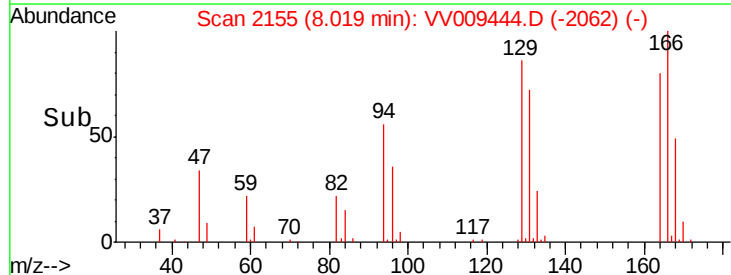
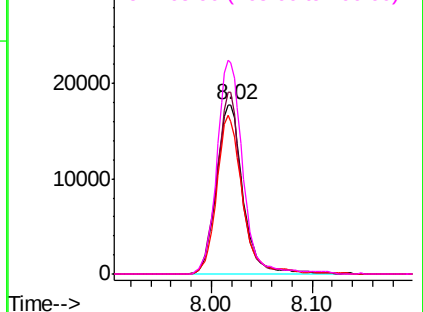


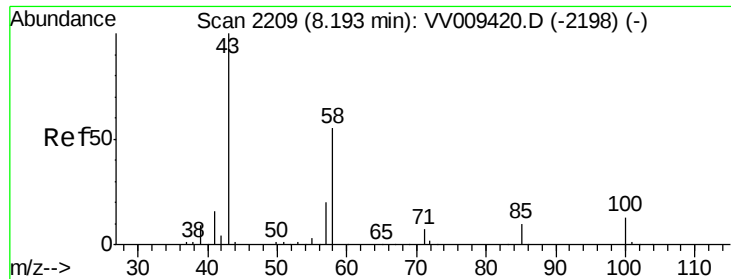
#47
 Tetrachloroethene
 Concen: 5.317 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV009444.D
 Acq: 01 Mar 2019 09:45

Tgt Ion:	164	Resp:	32531
Ion	Ratio	Lower	Upper
164	100		
129	107.5	69.3	128.7
131	90.3	64.0	118.8
166	125.0	86.0	159.6



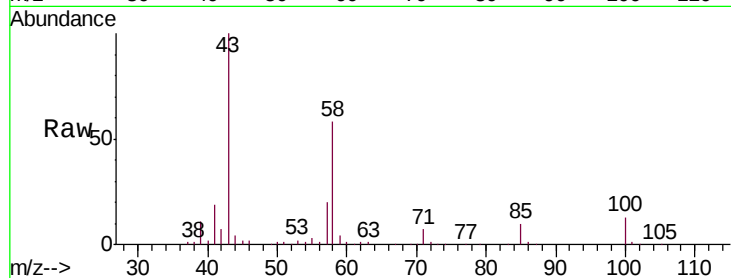
Abundance Ion 163.90 (163.60 to 164.60): VV009444.D (-2062) (-)
 Ion 128.95 (128.65 to 129.65): VV009444.D (-2062) (-)
 Ion 130.95 (130.65 to 131.65): VV009444.D (-2062) (-)
 Ion 165.90 (165.60 to 166.60): VV009444.D (-2062) (-)



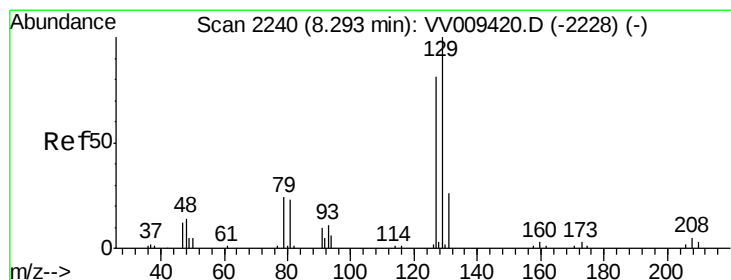
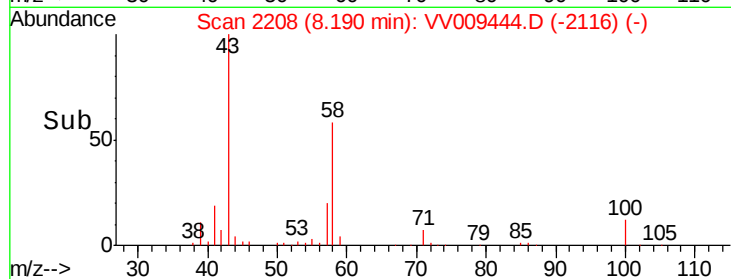
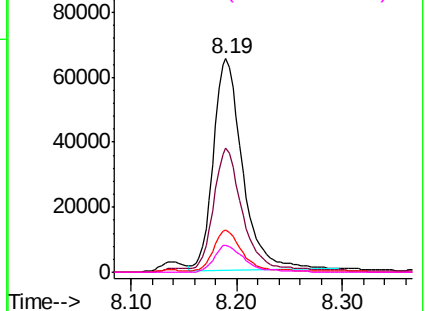


#48
2-Hexanone
Concen: 51.768 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VV009444.D
Acq: 01 Mar 2019 09:45

Tgt Ion: 43 Resp: 125520
Ion Ratio Lower Upper
43 100
58 56.9 45.2 67.8
57 19.6 16.0 24.0
100 13.2 10.2 15.4

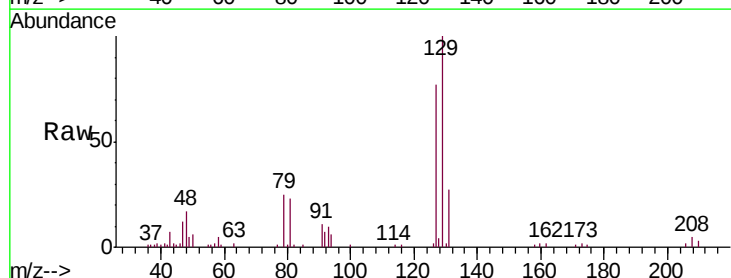


Abundance Ion 43.05 (42.75 to 43.75): VV009444.D (-2198) (-)
Ion 58.05 (57.75 to 58.75): VV009444.D (-2198) (-)
Ion 57.20 (56.90 to 57.90): VV009444.D (-2198) (-)
Ion 100.15 (99.85 to 100.85): VV009444.D (-2198) (-)

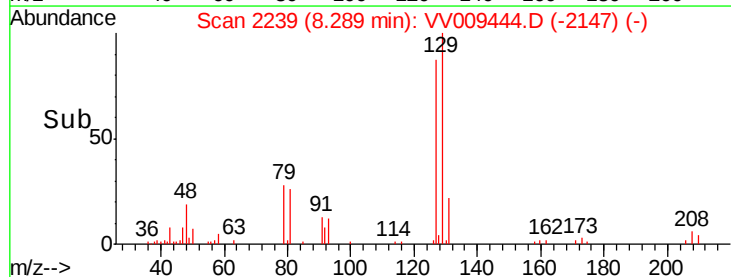
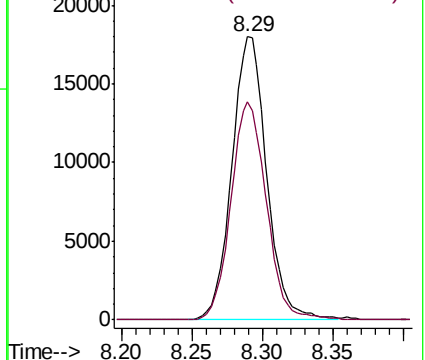


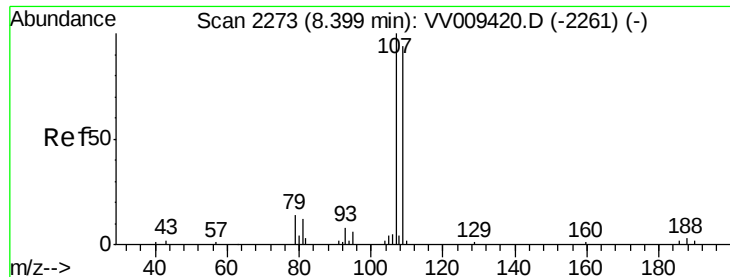
#49
Dibromochloromethane
Concen: 4.960 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV009444.D
Acq: 01 Mar 2019 09:45

Tgt Ion: 129 Resp: 31201
Ion Ratio Lower Upper
129 100
127 77.0 56.6 105.2



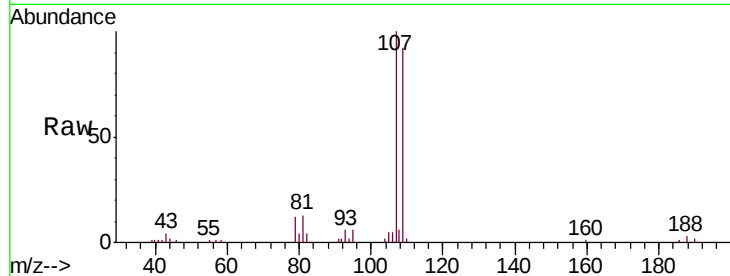
Abundance Ion 128.95 (128.65 to 129.65): VV009444.D (-2147) (-)
Ion 126.90 (126.60 to 127.60): VV009444.D (-2147) (-)



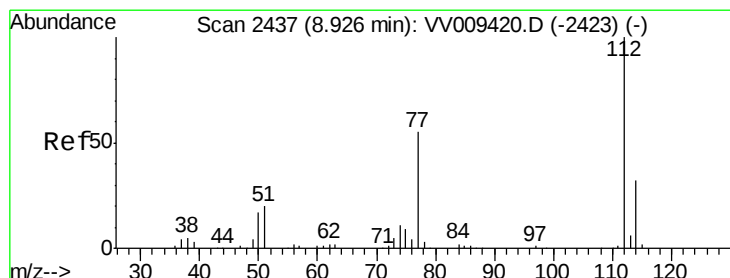
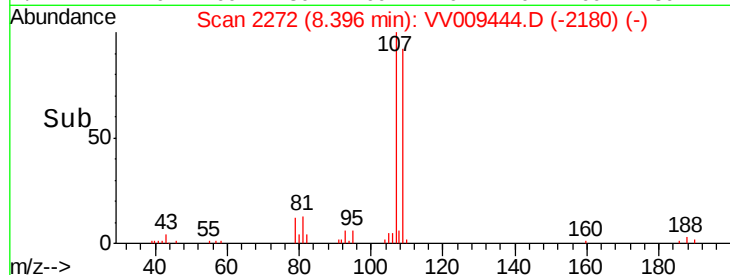
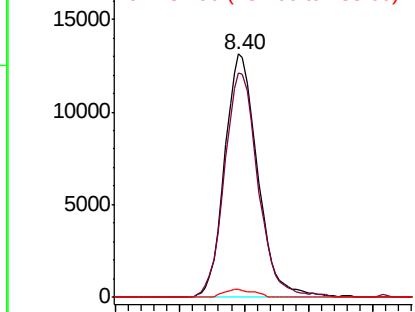


#50
1,2-Dibromoethane
Concen: 5.096 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV009444.D
Acq: 01 Mar 2019 09:45

Tgt Ion:107 Resp: 23374
Ion Ratio Lower Upper
107 100
109 92.3 65.7 121.9
188 3.3 2.4 3.6

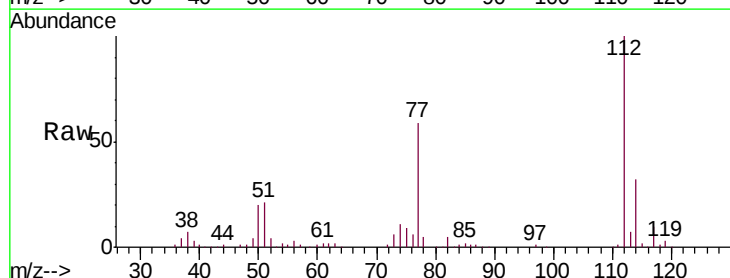


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

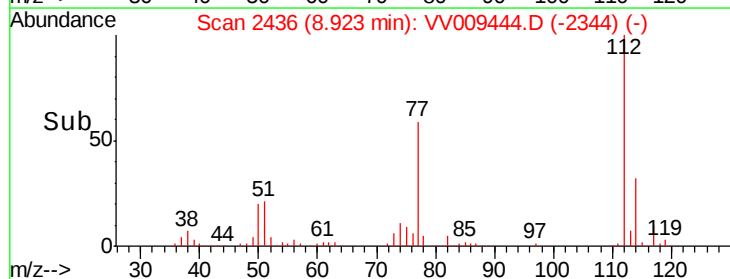
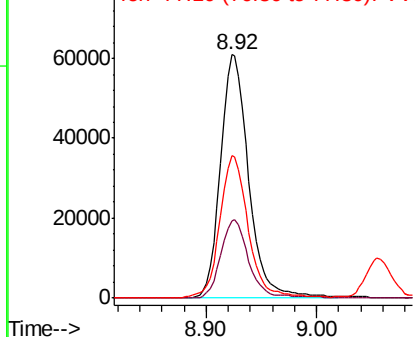


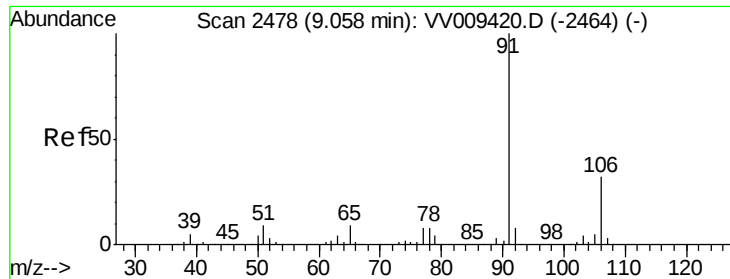
#51
Chlorobenzene
Concen: 5.274 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV009444.D
Acq: 01 Mar 2019 09:45

Tgt Ion:112 Resp: 107984
Ion Ratio Lower Upper
112 100
114 31.6 23.2 43.2
77 58.6 45.7 68.5



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





#52

Ethylbenzene

Concen: 5.359 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV009444.D

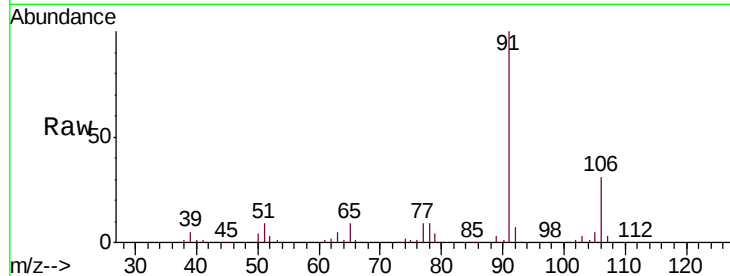
Acq: 01 Mar 2019 09:45

Tgt Ion: 91 Resp: 191944

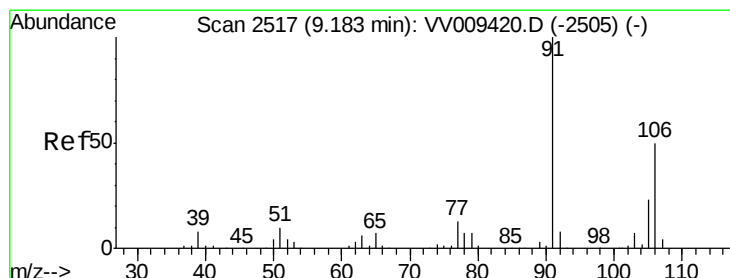
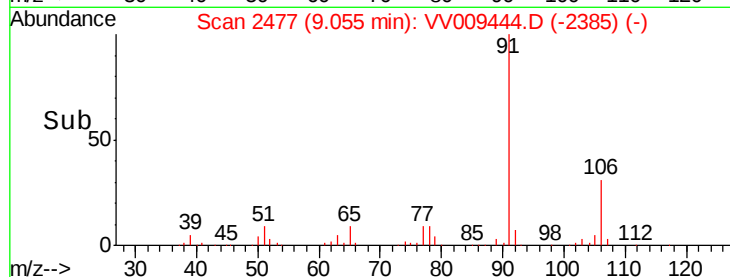
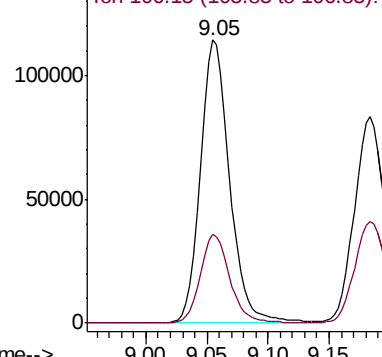
Ion Ratio Lower Upper

91 100

106 31.2 22.2 41.2



Abundance Ion 91.15 (90.85 to 91.85): VV009420.D (-2464) (-)



#53

m,p-xylene

Concen: 5.295 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV009444.D

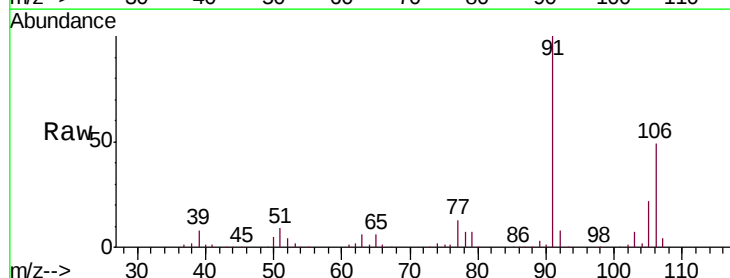
Acq: 01 Mar 2019 09:45

Tgt Ion: 106 Resp: 74368

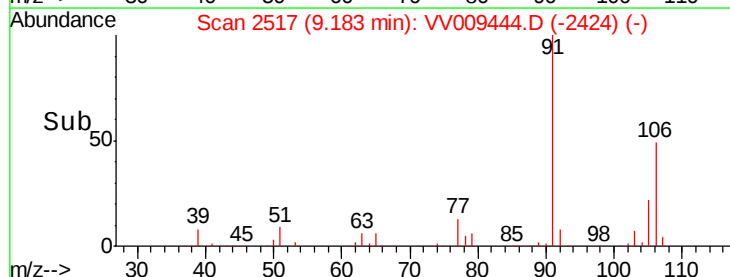
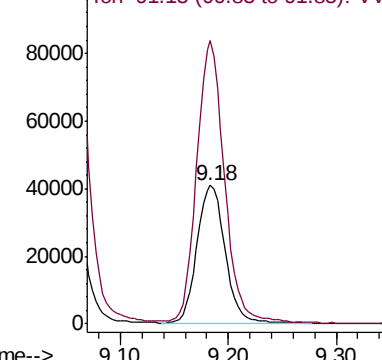
Ion Ratio Lower Upper

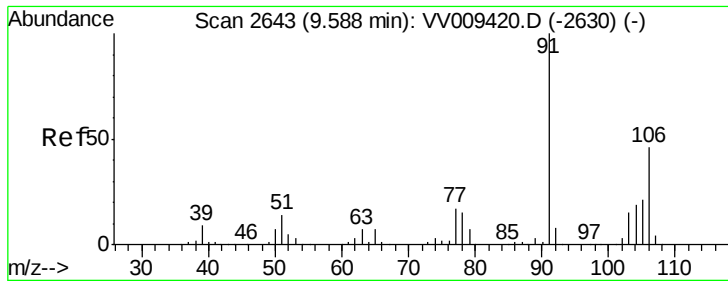
106 100

91 204.2 138.9 258.1



Abundance Ion 106.15 (105.85 to 106.85): VV009420.D (-2505) (-)





#54

o-xylene

Concen: 5.439 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV009444.D

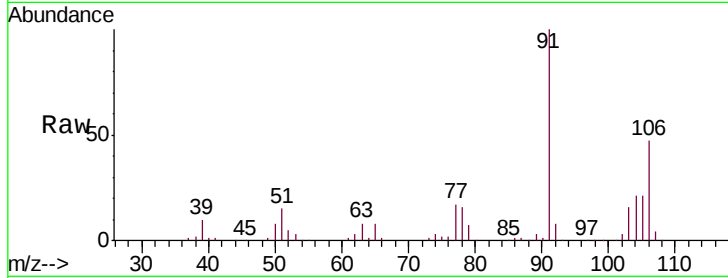
Acq: 01 Mar 2019 09:45

Tgt Ion:106 Resp: 74282

Ion Ratio Lower Upper

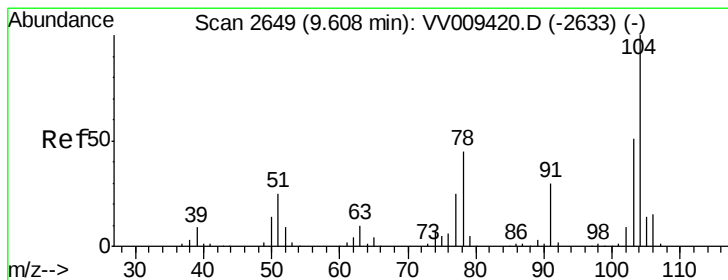
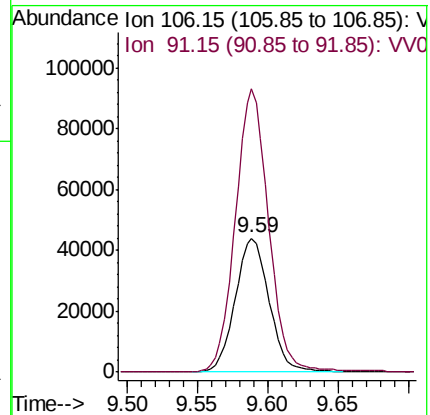
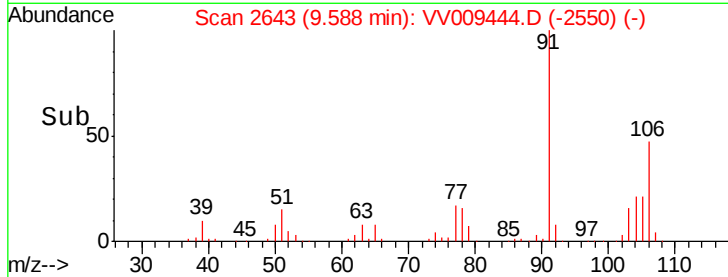
106 100

91 211.4 146.3 271.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.286 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV009444.D

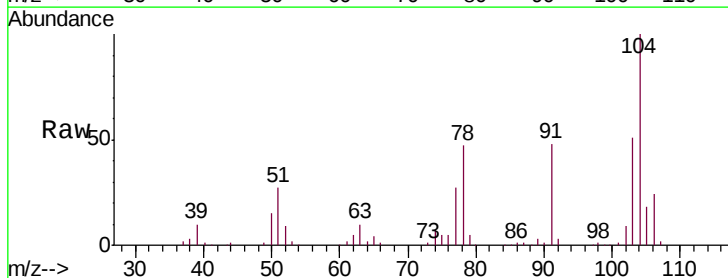
Acq: 01 Mar 2019 09:45

Tgt Ion:104 Resp: 116999

Ion Ratio Lower Upper

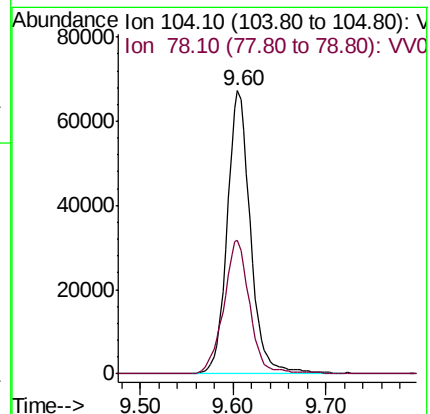
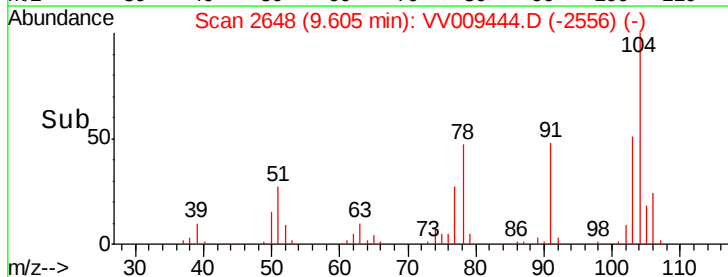
104 100

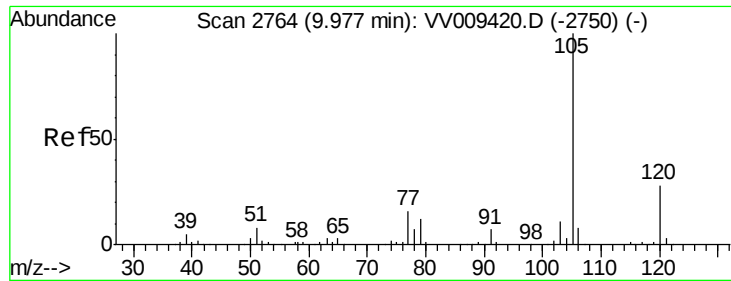
78 47.1 33.4 62.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.424 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV009444.D

Acq: 01 Mar 2019 09:45

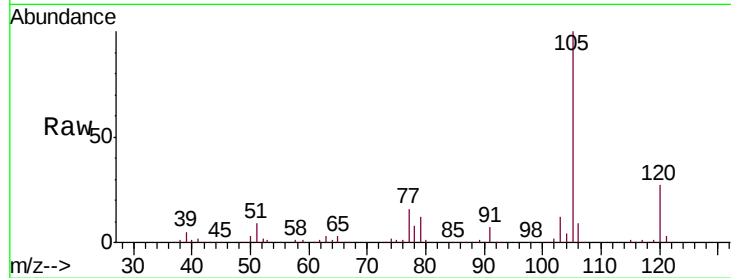
Tgt Ion: 105 Resp: 196783

Ion Ratio Lower Upper

105 100

120 26.1 22.1 33.1

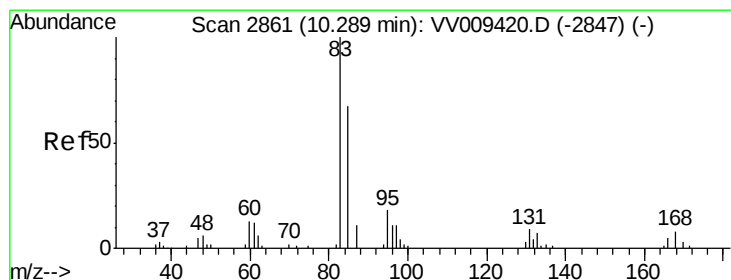
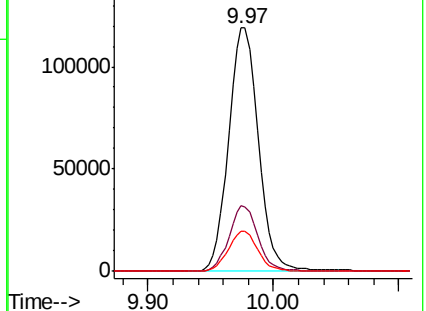
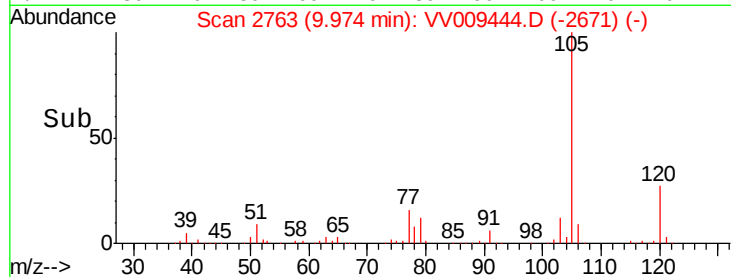
77 16.3 12.8 19.2



Abundance Ion 105.05 (104.75 to 105.75): VV009444.D (-2761) (-)

Ion 120.10 (119.80 to 120.80): VV009444.D (-2761) (-)

Ion 77.10 (76.80 to 77.80): VV009444.D (-2761) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 5.181 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV009444.D

Acq: 01 Mar 2019 09:45

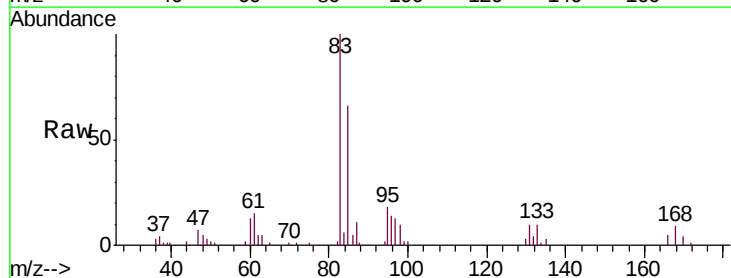
Tgt Ion: 83 Resp: 30100

Ion Ratio Lower Upper

83 100

85 65.9 43.4 80.6

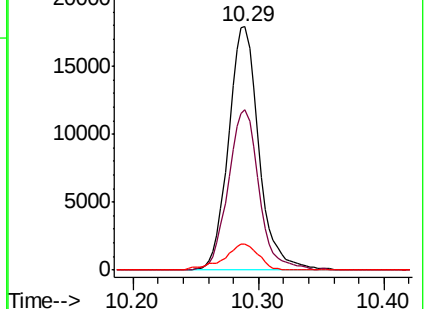
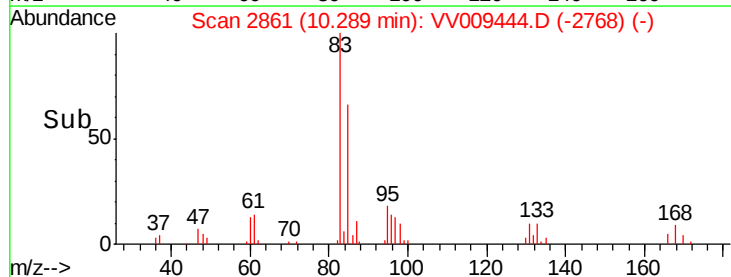
131 10.4 8.2 12.4

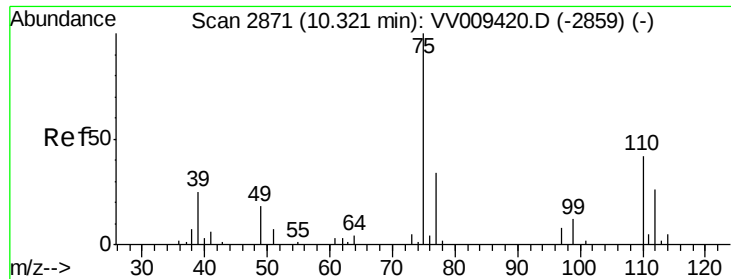


Abundance Ion 82.95 (82.65 to 83.65): VV009444.D (-2768) (-)

Ion 85.00 (84.70 to 85.70): VV009444.D (-2768) (-)

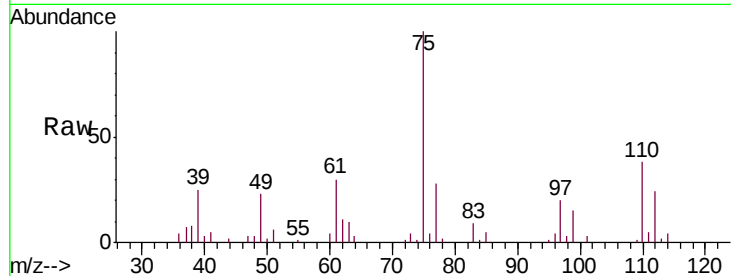
Ion 130.95 (130.65 to 131.65): VV009444.D (-2768) (-)



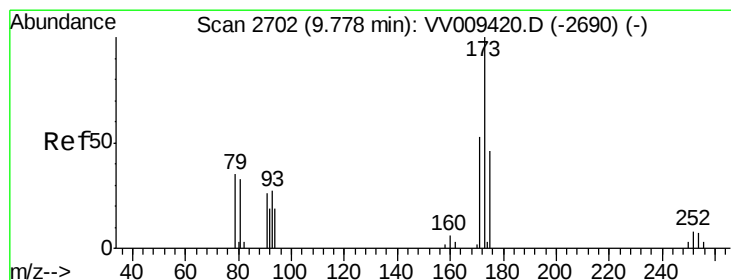
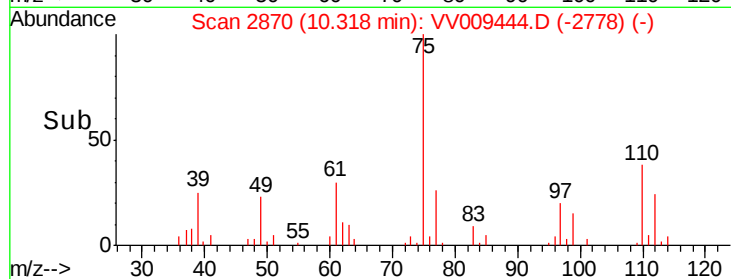
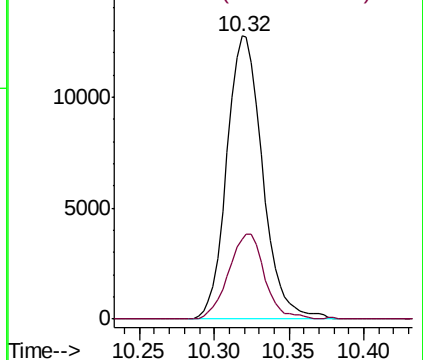


#59
 1,2,3-Trichloropropane
 Concen: 5.406 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV009444.D
 Acq: 01 Mar 2019 09:45

Tgt Ion: 75 Resp: 21265
 Ion Ratio Lower Upper
 75 100
 77 30.3 25.5 38.3

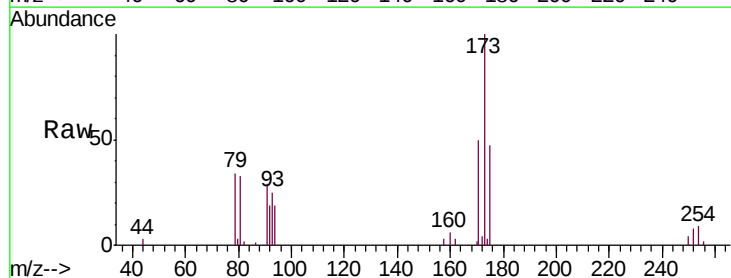


Abundance Ion 75.00 (74.70 to 75.70): VV009420.D (-2859) (-)
 Ion 77.00 (76.70 to 77.70): VV009420.D (-2859) (-)

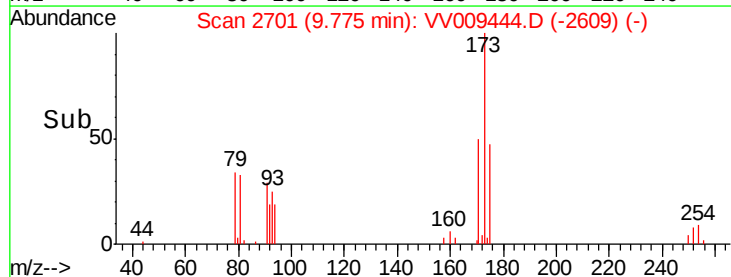
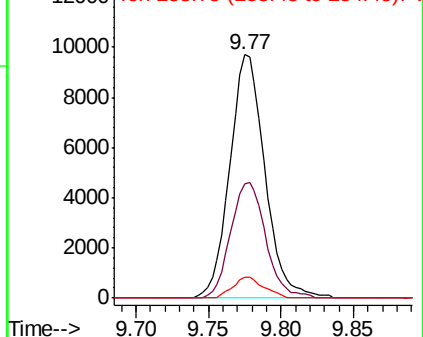


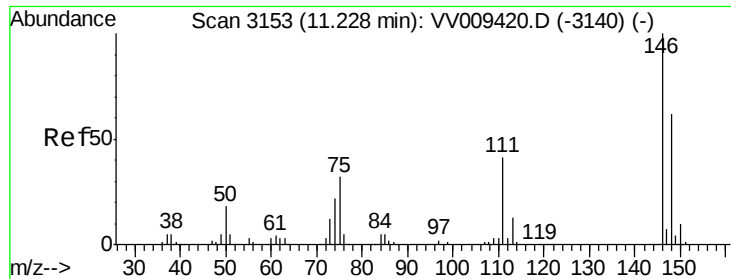
#61
 Bromoform
 Concen: 5.108 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV009444.D
 Acq: 01 Mar 2019 09:45

Tgt Ion: 173 Resp: 16352
 Ion Ratio Lower Upper
 173 100
 175 47.1 37.4 56.0
 254 7.5 5.8 8.6



Abundance Ion 172.90 (172.60 to 173.60): VV009420.D (-2690) (-)
 Ion 174.90 (174.60 to 175.60): VV009420.D (-2690) (-)
 Ion 253.75 (253.45 to 254.45): VV009420.D (-2690) (-)





#62

1,3-Dichlorobenzene

Concen: 5.154 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV009444.D

Acq: 01 Mar 2019 09:45

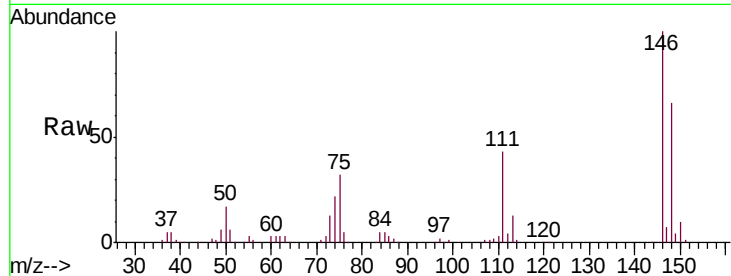
Tgt Ion:146 Resp: 83110

Ion Ratio Lower Upper

146 100

111 43.4 27.9 51.9

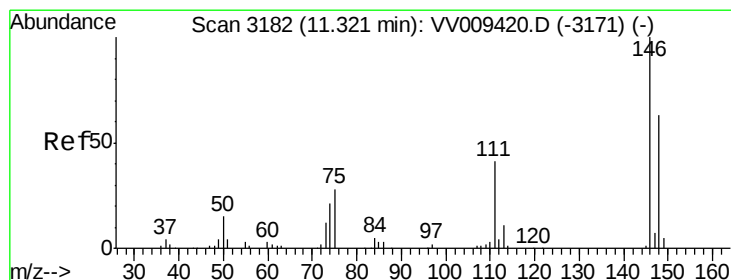
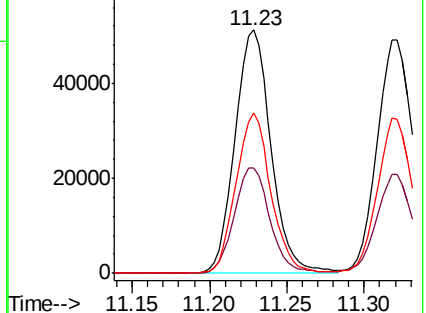
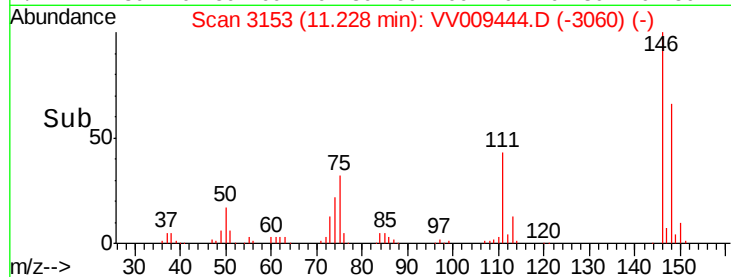
148 65.6 42.6 79.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.265 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV009444.D

Acq: 01 Mar 2019 09:45

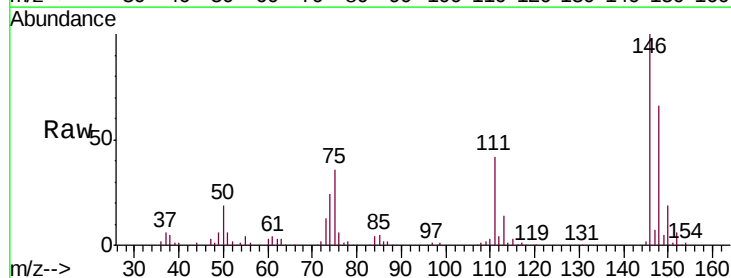
Tgt Ion:146 Resp: 83124

Ion Ratio Lower Upper

146 100

111 42.4 27.2 50.4

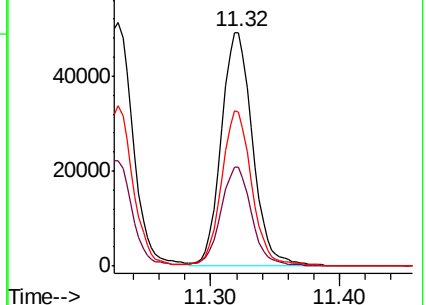
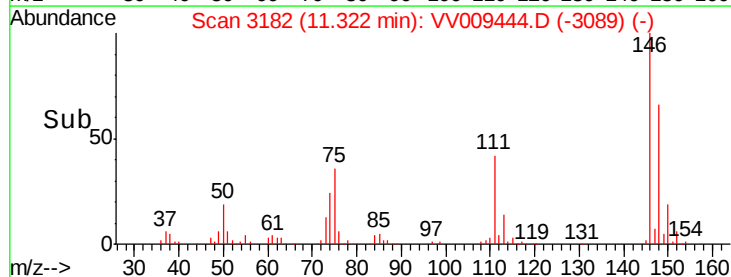
148 65.7 45.7 84.9

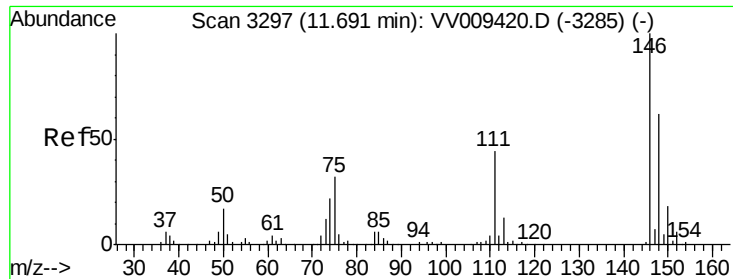


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.336 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009444.D

Acq: 01 Mar 2019 09:45

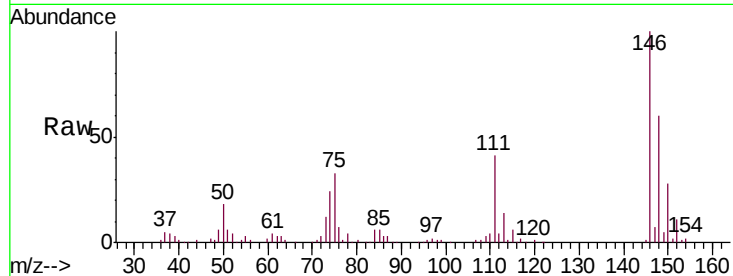
Tgt Ion: 146 Resp: 77894

Ion Ratio Lower Upper

146 100

111 40.7 35.6 53.4

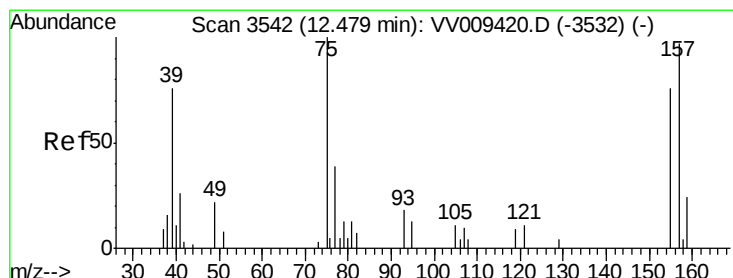
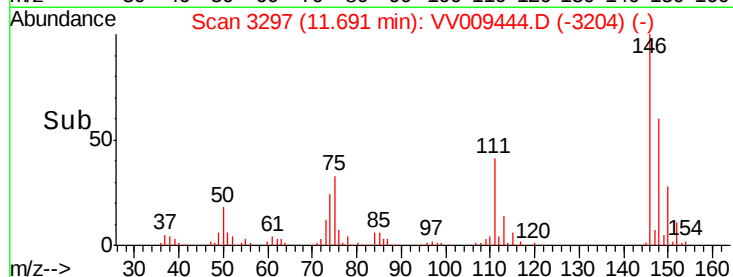
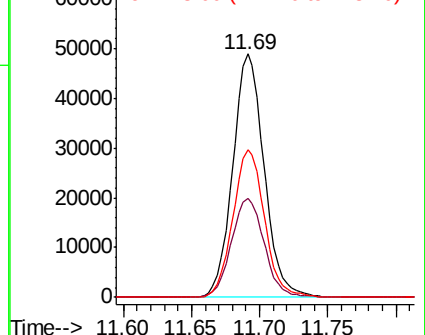
148 60.5 50.9 76.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.293 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV009444.D

Acq: 01 Mar 2019 09:45

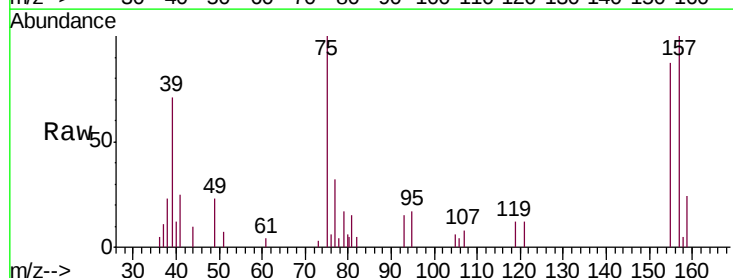
Tgt Ion: 75 Resp: 4951

Ion Ratio Lower Upper

75 100

155 86.8 60.8 91.2

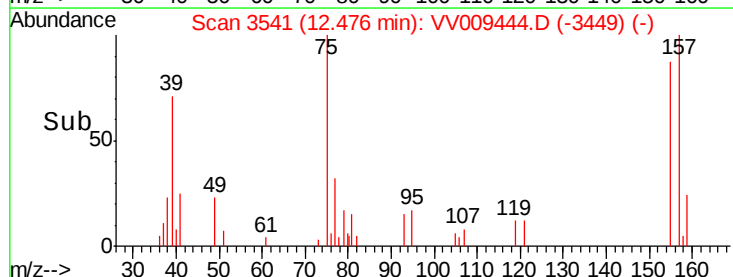
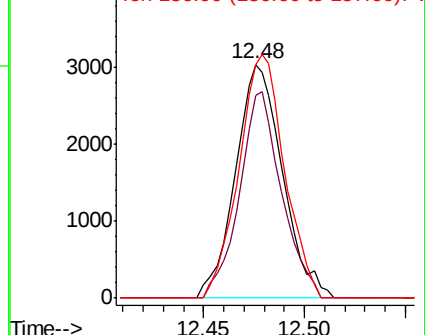
157 100.1 81.7 122.5

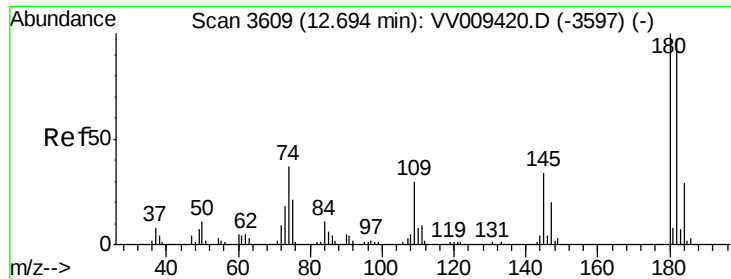


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

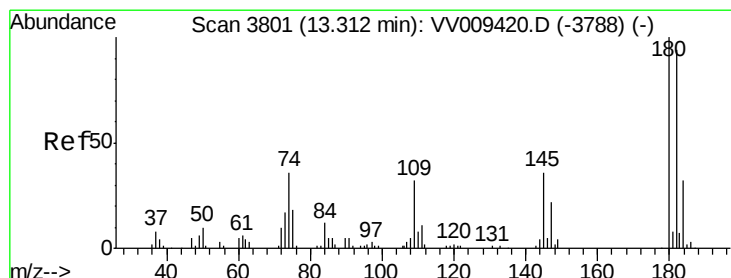
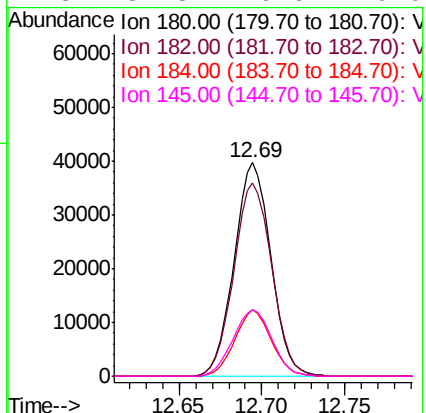
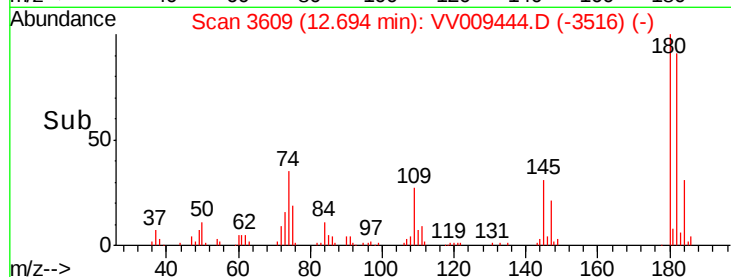
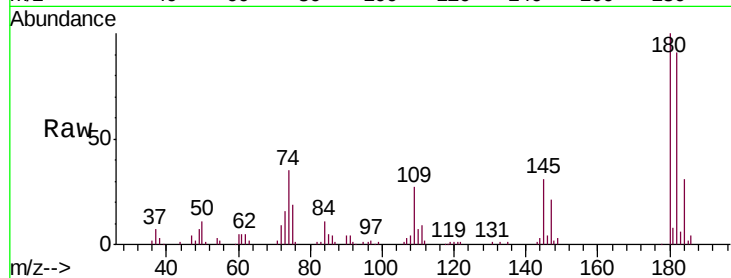
Ion 156.90 (156.60 to 157.60): V





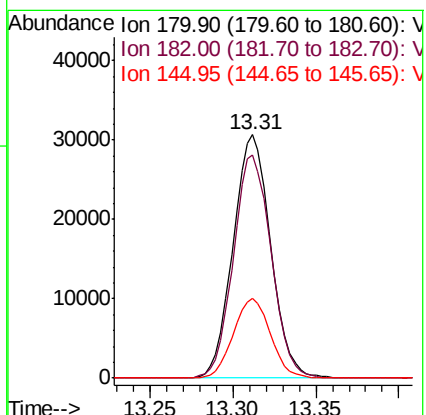
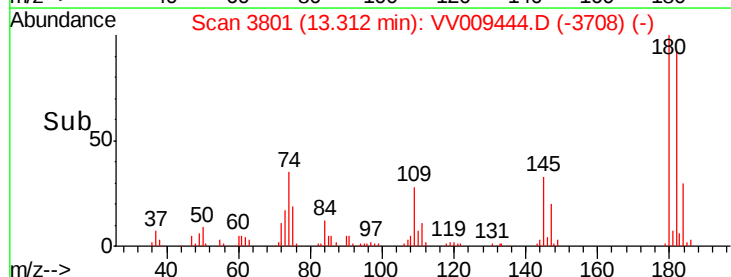
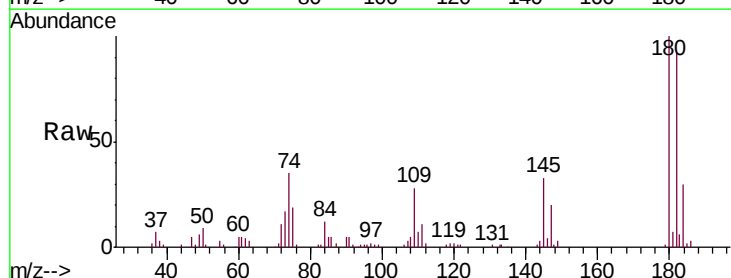
#67
 1,3,5-Trichlorobenzene
 Concen: 5.343 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV009444.D
 Acq: 01 Mar 2019 09:45

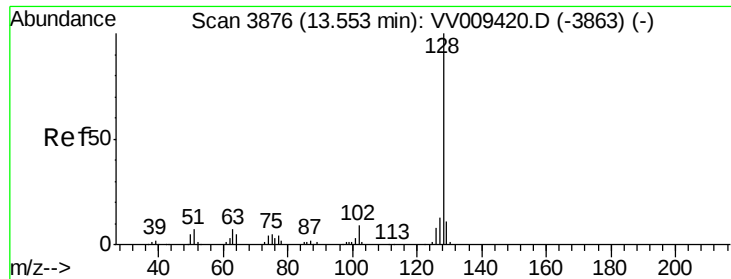
Tgt Ion:	180	Resp:	61292
Ion	Ratio	Lower	Upper
180	100		
182	93.4	75.5	113.3
184	30.7	23.4	35.0
145	32.8	26.6	40.0



#68
 1,2,4-trichlorobenzene
 Concen: 5.520 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009444.D
 Acq: 01 Mar 2019 09:45

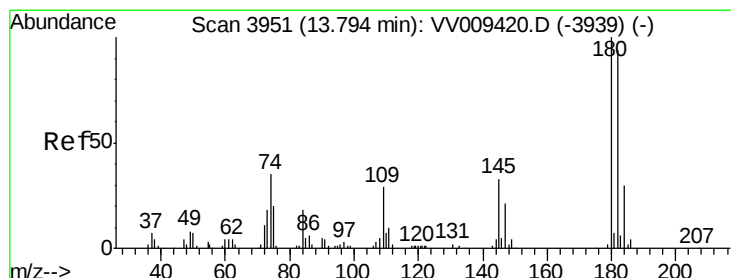
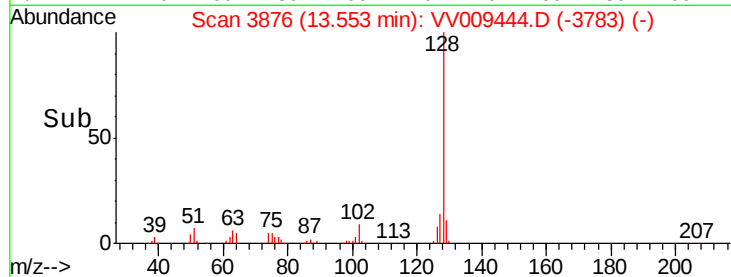
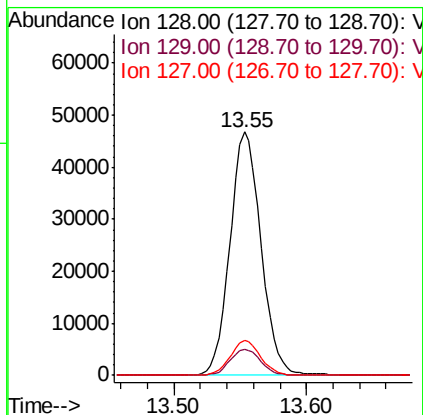
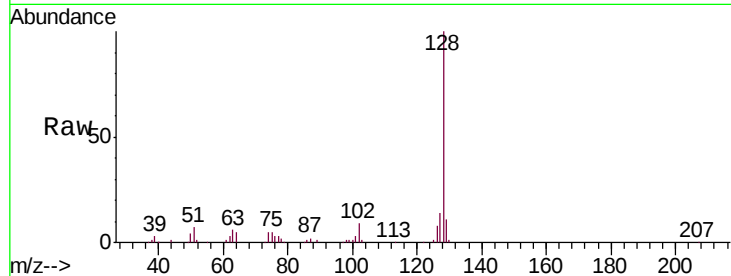
Tgt Ion:	180	Resp:	48216
Ion	Ratio	Lower	Upper
180	100		
182	92.3	74.7	112.1
145	32.2	26.6	39.8





#69
Naphthalene
Concen: 5.212 ug/L
RT: 13.55 min Scan# 3876
Delta R.T. 0.00 min
Lab File: VV009444.D
Acq: 01 Mar 2019 09:45

Tgt Ion:128 Resp: 76076
Ion Ratio Lower Upper
128 100
129 10.7 8.5 12.7
127 13.8 10.1 15.1



#70
1,2,3-Trichlorobenzene
Concen: 5.254 ug/L
RT: 13.79 min Scan# 3951
Delta R.T. 0.00 min
Lab File: VV009444.D
Acq: 01 Mar 2019 09:45

Tgt Ion:180 Resp: 41867
Ion Ratio Lower Upper
180 100
182 93.8 75.7 113.5
145 36.4 27.6 41.4

