

Data File : VU026890.D
Acq On : 19 Sep 2018 10:37
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05049

Quant Time: Sep 20 02:26:24 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 19 07:38:56 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	226264	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	220649	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	116308	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	62008	37.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.10%
7) Chloroethane-d5	1.68	69	59473	41.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.02%
11) 1,1-Dichloroethene-d2	2.28	63	133952	42.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.60%
21) 2-Butanone-d5	4.18	46	118618	106.79	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.79%
24) Chloroform-d	4.65	84	154415	49.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.48%
26) 1,2-Dichloroethane-d4	5.31	65	96913	49.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.14%
32) Benzene-d6	5.34	84	279770	45.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.48%
36) 1,2-Dichloropropane-d6	6.33	67	98705	49.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.08%
41) Toluene-d8	7.57	98	248618	44.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.00%
43) trans-1,3-Dichloropropene-	7.85	79	42835	48.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.30%
47) 2-Hexanone-d5	8.31	63	85393	109.05	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.05%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	145705	52.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.90%
64) 1,2-Dichlorobenzene-d4	11.86	152	114450	47.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	112139	52.441	ug/L	100
3) Chloromethane	1.33	50	111877	51.291	ug/L	98
5) Vinyl chloride	1.40	62	110019	51.829	ug/L	99
6) Bromomethane	1.63	94	46647	44.492	ug/L	100
8) Chloroethane	1.70	64	68888	51.786	ug/L	97
9) Trichlorofluoromethane	1.89	101	142892	54.179	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	85865	54.960	ug/L	100
12) 1,1-Dichloroethene	2.29	96	77176	52.598	ug/L	83
13) Acetone	2.32	43	131351	120.315	ug/L	100
14) Carbon disulfide	2.48	76	254878	50.337	ug/L	99
15) Methyl Acetate	2.61	43	96951	51.255	ug/L	98
16) Methylene chloride	2.70	84	96732	51.860	ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	83915	51.927	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	250623	53.034	ug/L	100
19) 1,1-Dichloroethane	3.45	63	164048	52.632	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	91838	51.671	ug/L	99
22) 2-Butanone	4.26	43	148296	110.150	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	50208	52.319	ug/L	97
25) Chloroform	4.67	83	164197	52.011	ug/L	99
27) 1,2-Dichloroethane	5.40	62	128898	52.322	ug/L	99
29) Cyclohexane	5.00	56	139556	54.473	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	136959	52.175	ug/L	99
31) Carbon tetrachloride	5.14	117	124101	52.757	ug/L	100
33) Benzene	5.39	78	363543	53.142	ug/L	100
34) Trichloroethene	6.19	95	85687	52.198	ug/L	99
35) Methylcyclohexane	6.42	83	148519	55.502	ug/L	98
37) 1,2-Dichloropropane	6.43	63	98794	52.572	ug/L	99
38) Bromodichloromethane	6.76	83	121262	52.033	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	137816	51.917	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	233051	104.371	ug/L	100
42) Toluene	7.64	91	376561	54.394	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	130366	52.450	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	88237	51.502	ug/L	99
46) Tetrachloroethene	8.23	164	78306	53.810	ug/L	99
48) 2-Hexanone	8.36	43	199747	110.900	ug/L	100
49) Dibromochloromethane	8.48	129	99853	51.487	ug/L	98
50) 1,2-Dibromoethane	8.59	107	91868	51.434	ug/L	99
51) Chlorobenzene	9.12	112	244814	52.117	ug/L	98
52) Ethylbenzene	9.25	91	397106	54.761	ug/L	100
53) m,p-Xylene	9.38	106	156765	56.234	ug/L	100
54) o-xylene	9.78	106	152863	56.278	ug/L	99
55) Styrene	9.79	104	269546	57.478	ug/L	100
56) Isopropylbenzene	10.17	105	394402	56.844	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	145684	50.555	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	112458	49.959	ug/L	98
61) Bromoform	9.96	173	74501	48.710	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	185070	52.197	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	202623	51.899	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	205062	52.233	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	27401	46.006	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	152186	55.467	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	129875	54.930	ug/L	99
69) Naphthalene	13.75	128	382628	54.932	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	147977	56.834	ug/L	99

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

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ClientSampleId :
VSTD05049

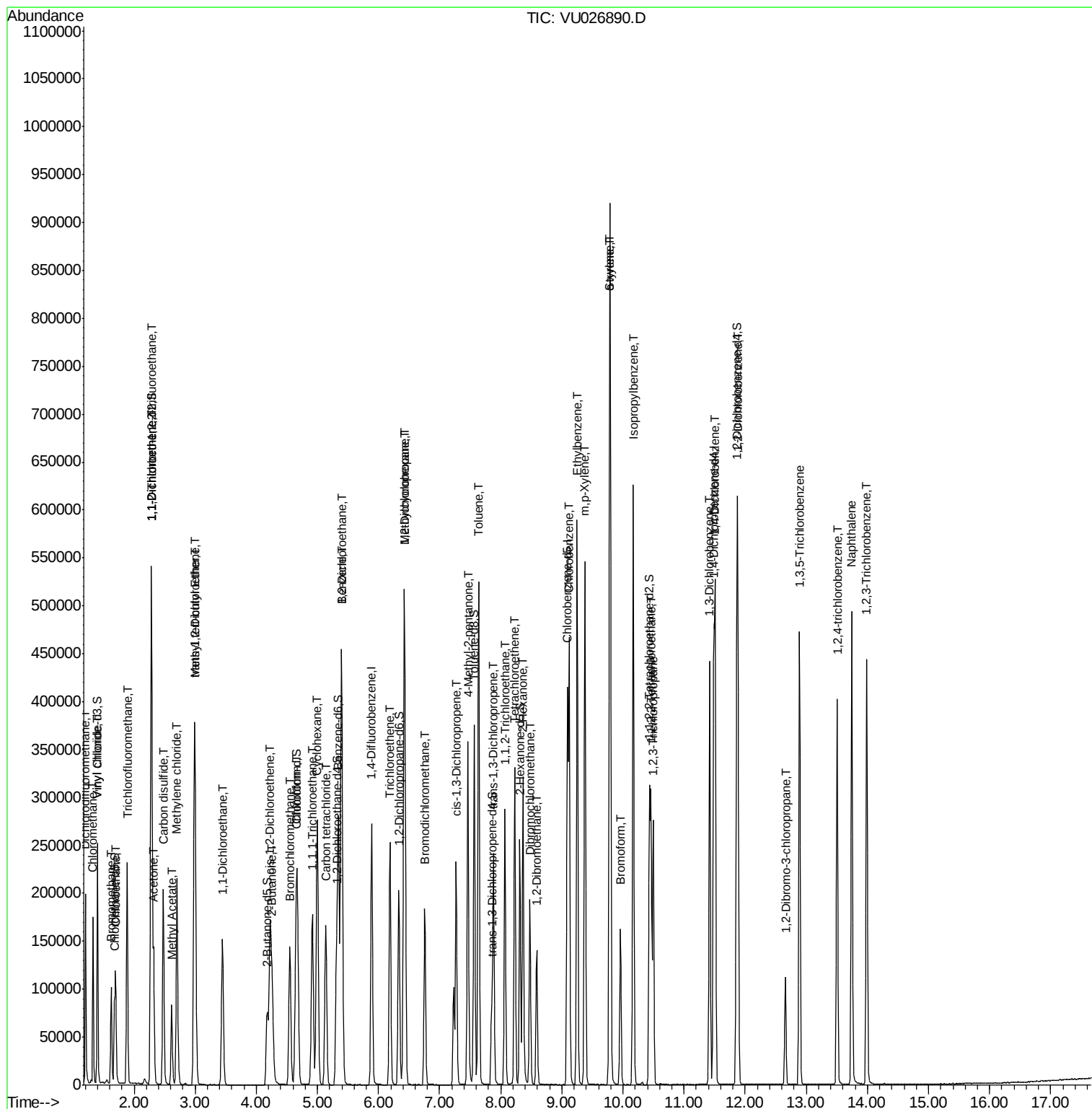
Quant Time: Sep 20 02:26:24 2018

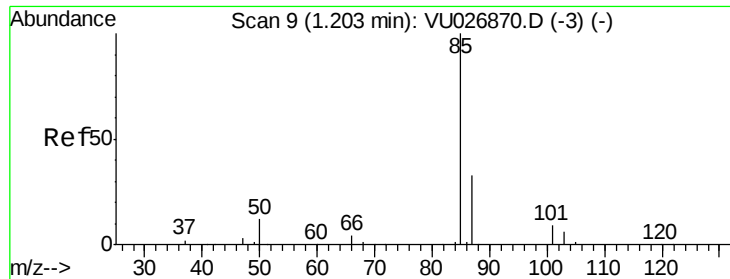
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M

Quant Title : VOC Analysis

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#2

Dichlorodifluoromethane

Concen: 52.441 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU026890.D

Acq: 19 Sep 2018 10:37

Instrument :

MSVOA_U

ClientSampleId :

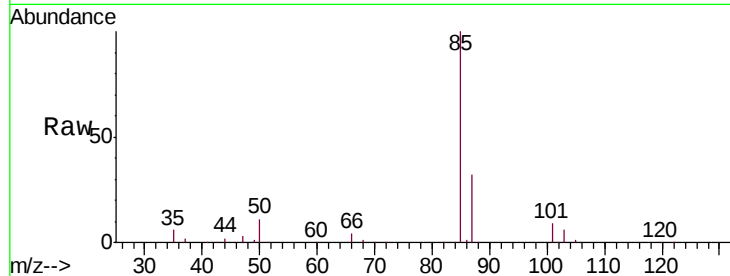
VSTD05049

Tgt Ion: 85 Resp: 112139

Ion Ratio Lower Upper

85 100

87 32.1 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

1.21

120000

100000

80000

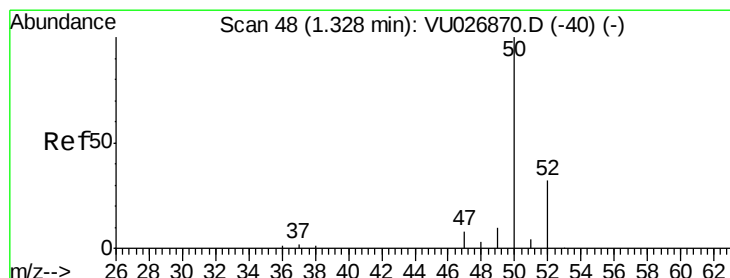
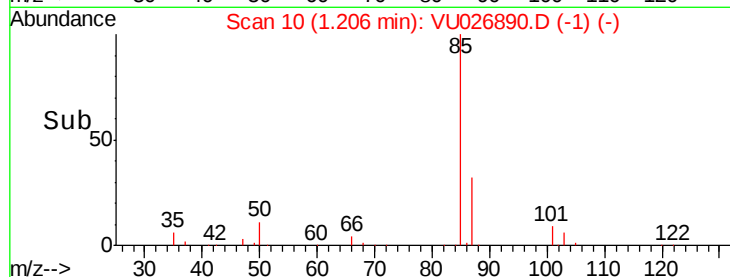
60000

40000

20000

0

Time--> 1.15 1.20 1.25



#3

Chloromethane

Concen: 51.291 ug/L

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU026890.D

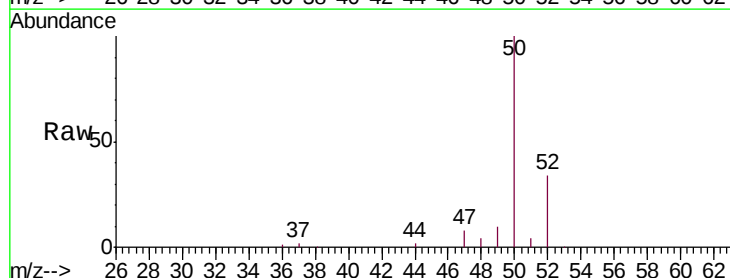
Acq: 19 Sep 2018 10:37

Tgt Ion: 50 Resp: 111877

Ion Ratio Lower Upper

50 100

52 33.6 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

1.33

120000

100000

80000

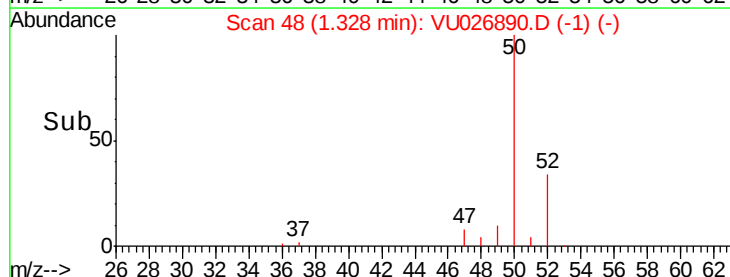
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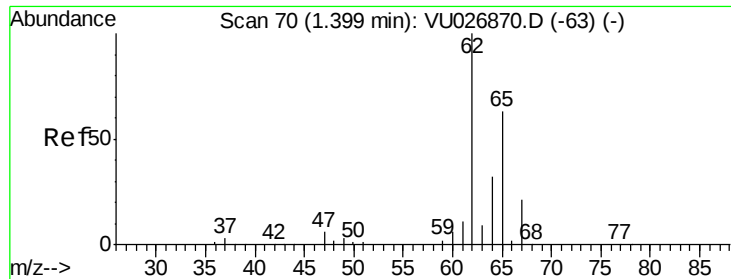
40000

20000

0

Time--> 1.30 1.35 1.40





#5

Vinyl chloride

Concen: 51.829 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU026890.D

Acq: 19 Sep 2018 10:37

Instrument :

MSVOA_U

ClientSampleId :

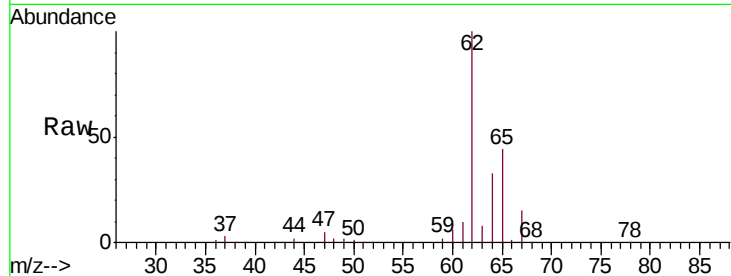
VSTD05049

Tgt Ion: 62 Resp: 110019

Ion Ratio Lower Upper

62 100

64 33.1 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.40

100000

80000

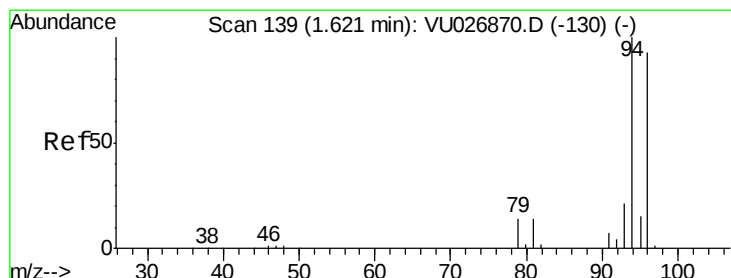
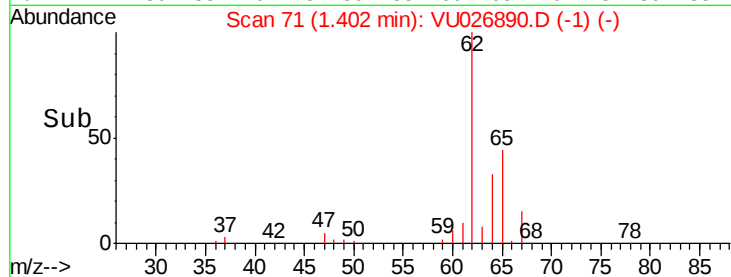
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 44.492 ug/L

RT: 1.63 min Scan# 141

Delta R.T. 0.01 min

Lab File: VU026890.D

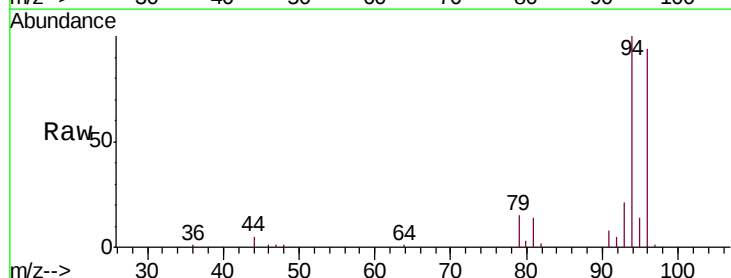
Acq: 19 Sep 2018 10:37

Tgt Ion: 94 Resp: 46647

Ion Ratio Lower Upper

94 100

96 94.0 66.0 122.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.63

40000

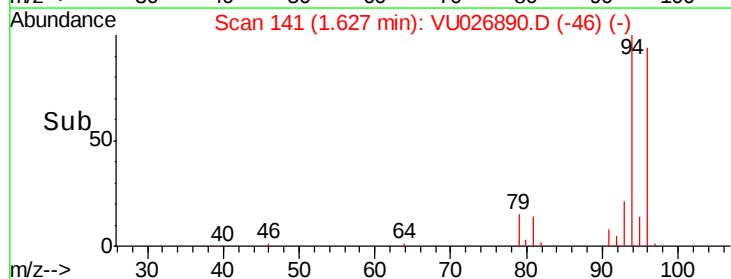
30000

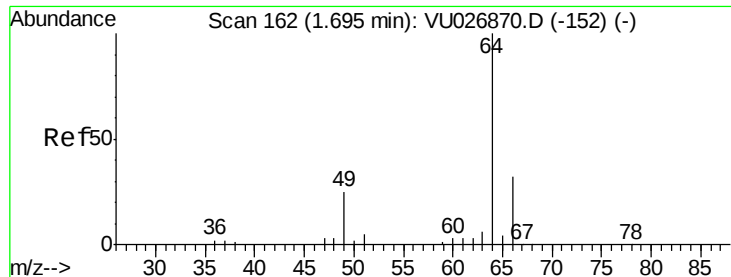
20000

10000

0

Time-->





#8

Chloroethane

Concen: 51.786 ug/L

RT: 1.70 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU026890.D

Acq: 19 Sep 2018 10:37

Instrument :

MSVOA_U

ClientSampleId :

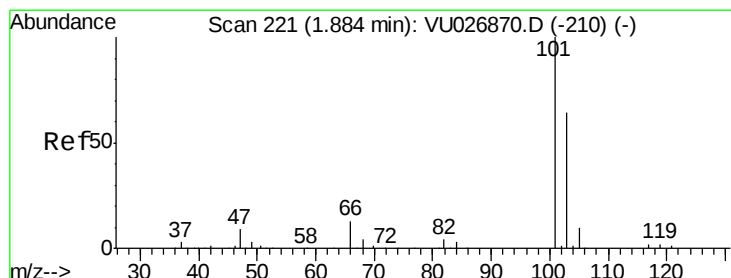
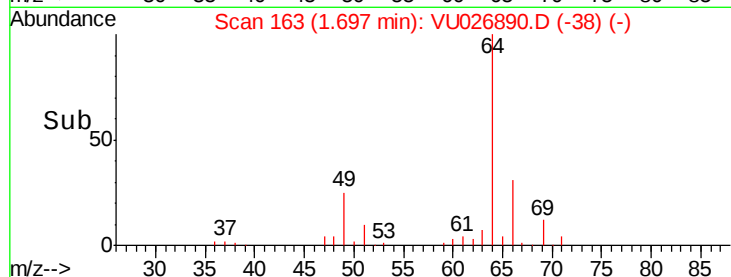
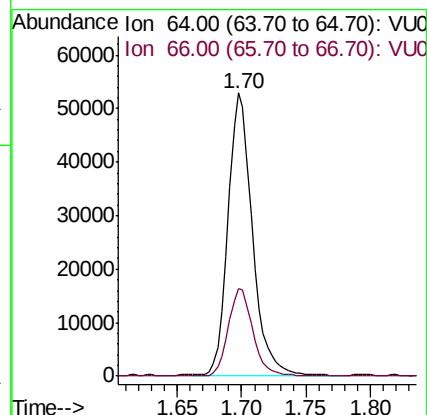
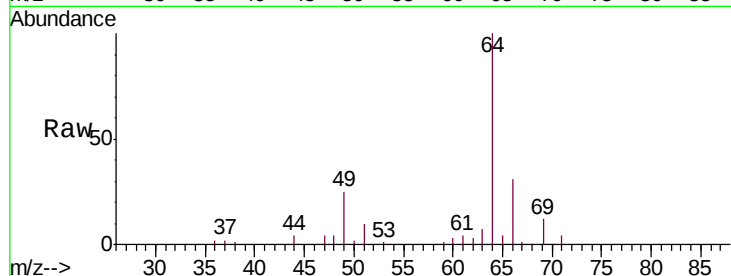
VSTD05049

Tgt Ion: 64 Resp: 68888

Ion Ratio Lower Upper

64 100

66 31.0 23.0 42.8



#9

Trichlorofluoromethane

Concen: 54.179 ug/L

RT: 1.89 min Scan# 222

Delta R.T. 0.00 min

Lab File: VU026890.D

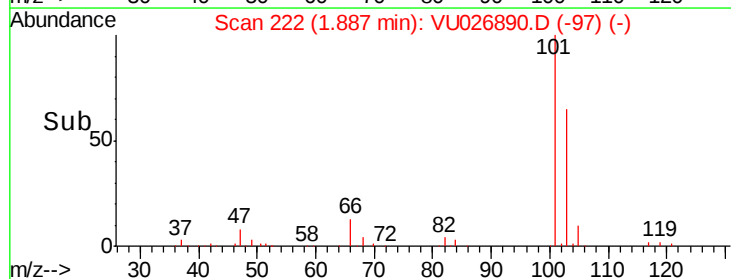
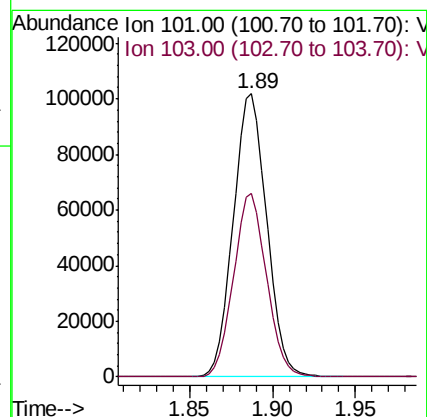
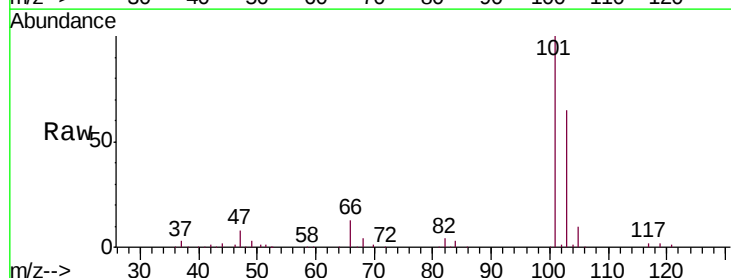
Acq: 19 Sep 2018 10:37

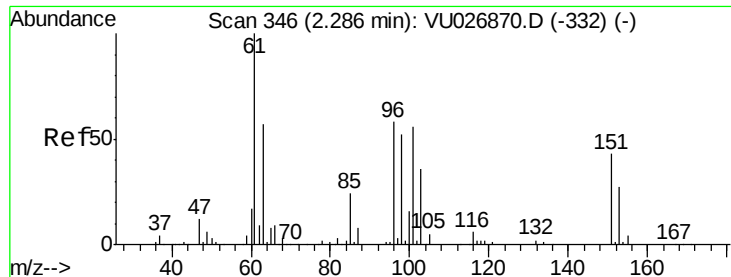
Tgt Ion: 101 Resp: 142892

Ion Ratio Lower Upper

101 100

103 64.1 51.9 77.9





#10

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

Concen: 54.960 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU026890.D

Acq: 19 Sep 2018 10:37

Instrument :

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ClientSampleId :

VSTD05049

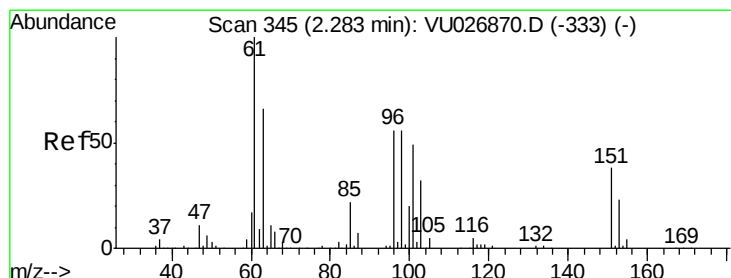
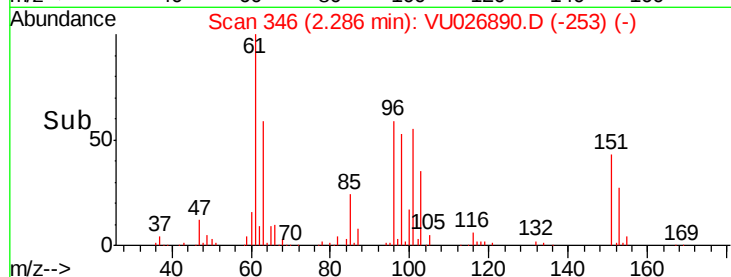
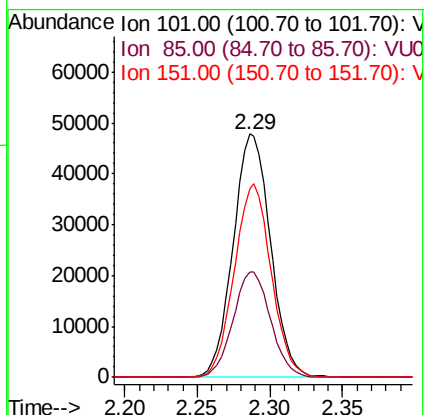
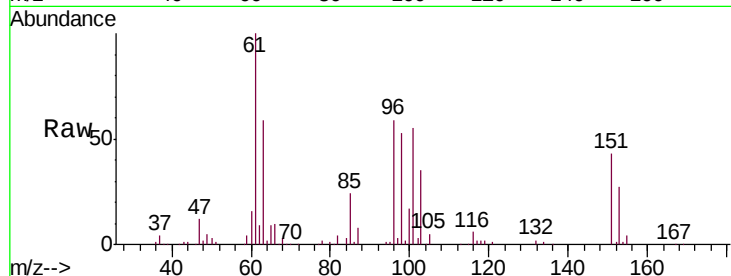
Tgt Ion: 101 Resp: 85865

Ion Ratio Lower Upper

101 100

85 43.2 34.6 52.0

151 78.3 63.0 94.4



#12

1,1-Dichloroethene

Concen: 52.598 ug/L

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU026890.D

Acq: 19 Sep 2018 10:37

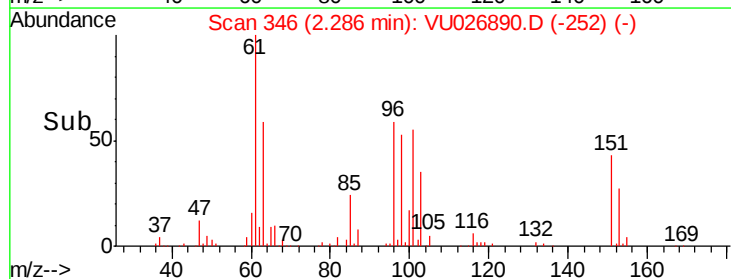
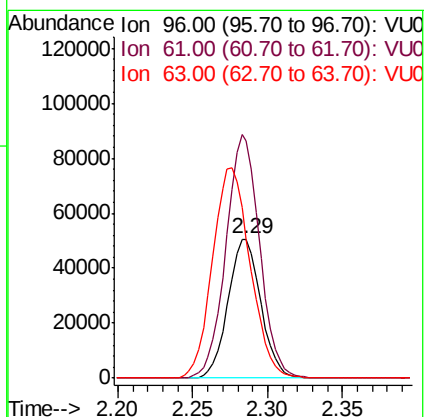
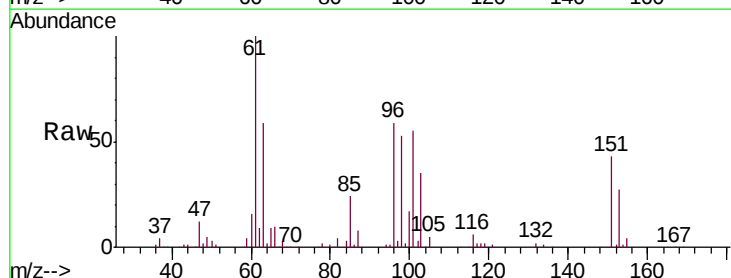
Tgt Ion: 96 Resp: 77176

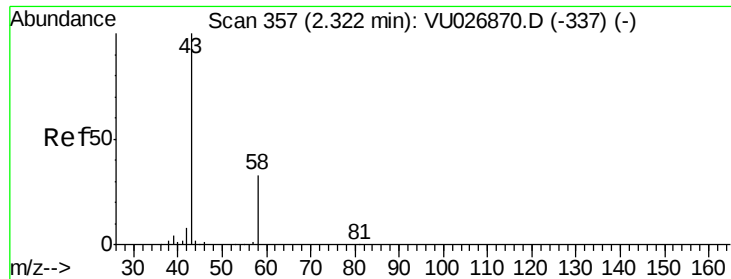
Ion Ratio Lower Upper

96 100

61 170.8 124.0 230.4

63 100.0 97.7 181.5





#13

Acetone

Concen: 120.315 ug/L

RT: 2.32 min Scan# 356

Delta R.T. -0.00 min

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Acq: 19 Sep 2018 10:37

Instrument :

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ClientSampleId :

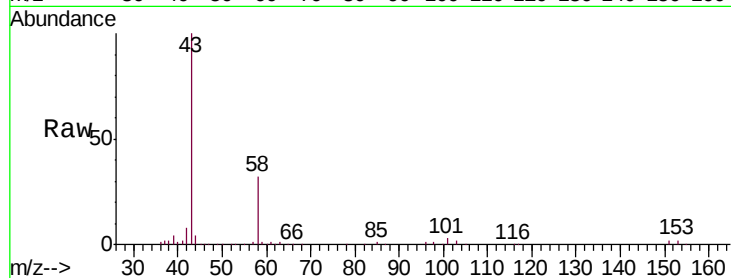
VSTD05049

Tgt Ion: 43 Resp: 131351

Ion Ratio Lower Upper

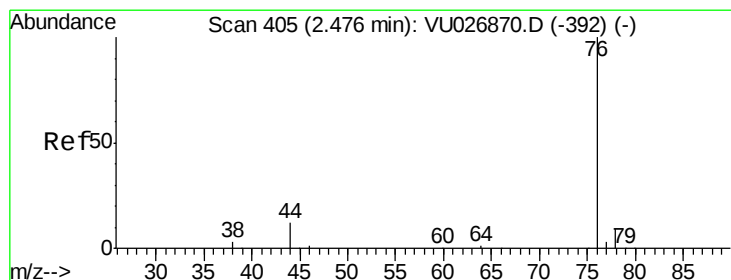
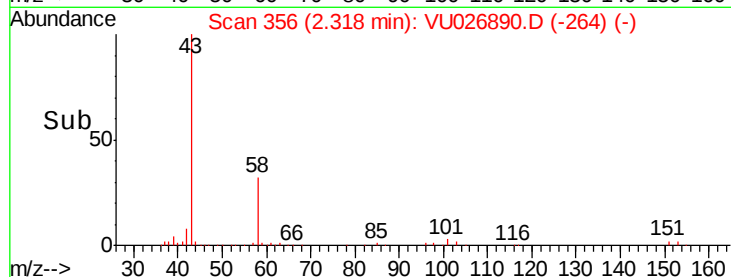
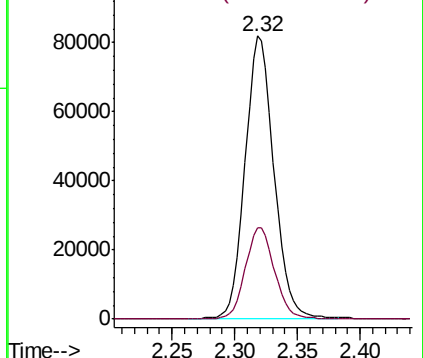
43 100

58 32.2 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 50.337 ug/L

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU026890.D

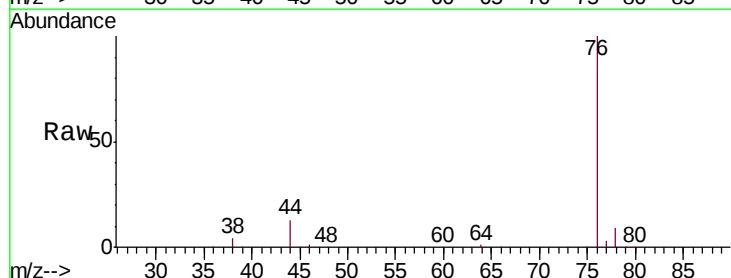
Acq: 19 Sep 2018 10:37

Tgt Ion: 76 Resp: 254878

Ion Ratio Lower Upper

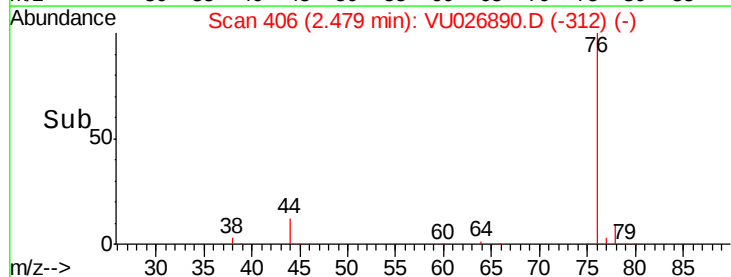
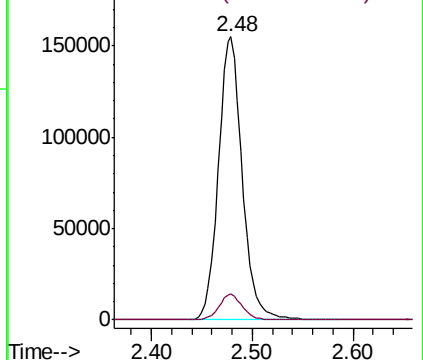
76 100

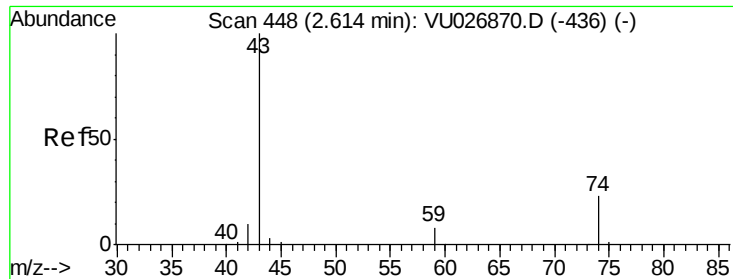
78 9.1 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methyl Acetate

Concen: 51.255 ug/L

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

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ClientSampleId :

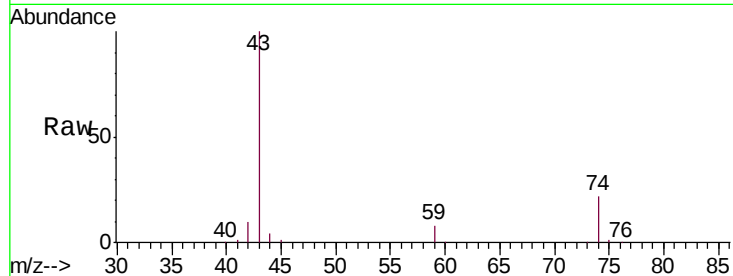
VSTD05049

Tgt Ion: 43 Resp: 96951

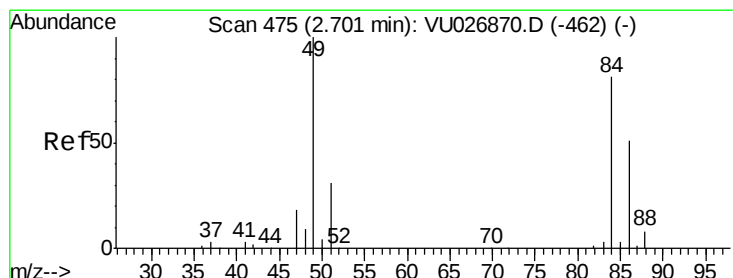
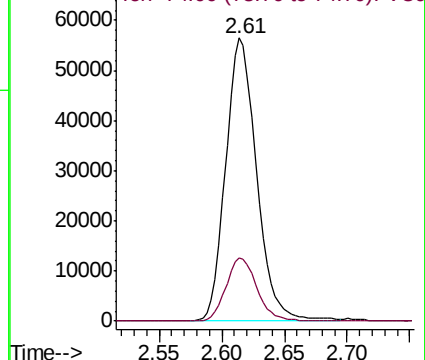
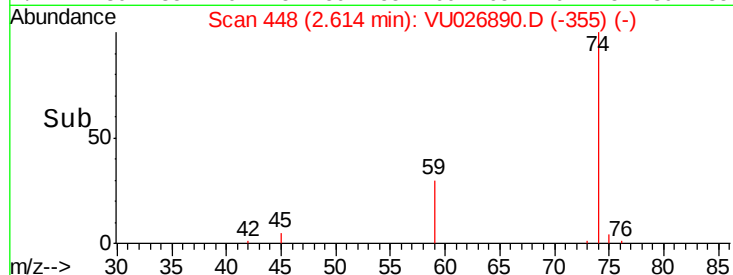
Ion Ratio Lower Upper

43 100

74 22.2 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VU026890.D (-355) (-)



#16

Methylene chloride

Concen: 51.860 ug/L

RT: 2.70 min Scan# 475

Delta R.T. -0.00 min

Lab File: VU026890.D

Acq: 19 Sep 2018 10:37

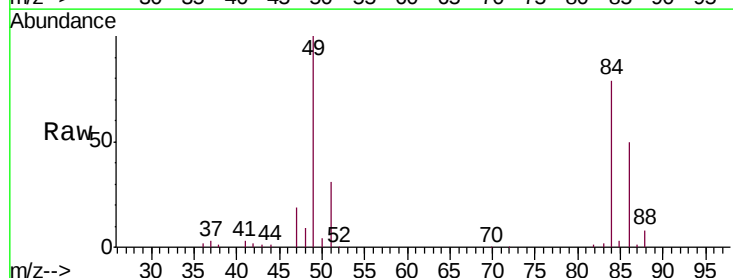
Tgt Ion: 84 Resp: 96732

Ion Ratio Lower Upper

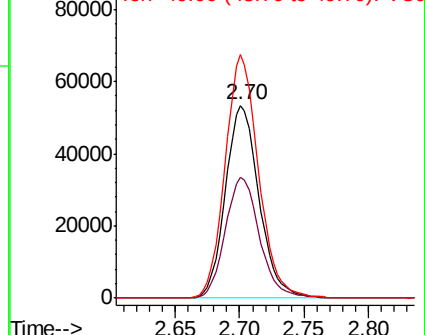
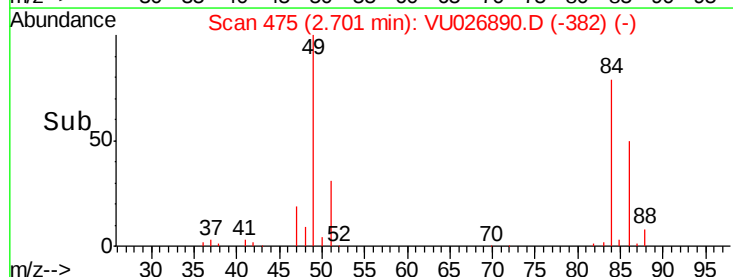
84 100

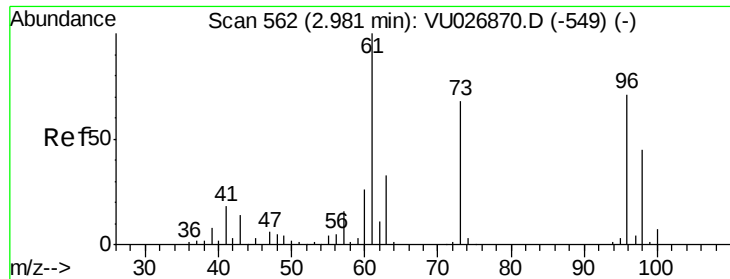
86 62.7 45.3 84.1

49 126.5 86.2 160.2



Abundance Ion 84.00 (83.70 to 84.70): VU026890.D (-382) (-)





#17

trans-1,2-Dichloroethene

Concen: 51.927 ug/L

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU026890.D

Acq: 19 Sep 2018 10:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

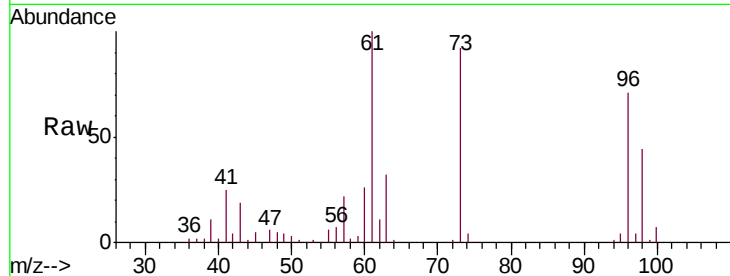
Tgt Ion: 96 Resp: 83915

Ion Ratio Lower Upper

96 100

61 141.1 98.7 183.3

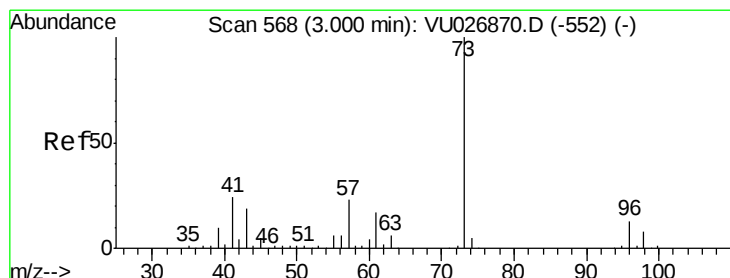
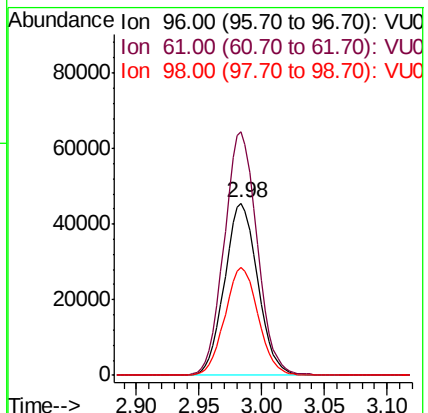
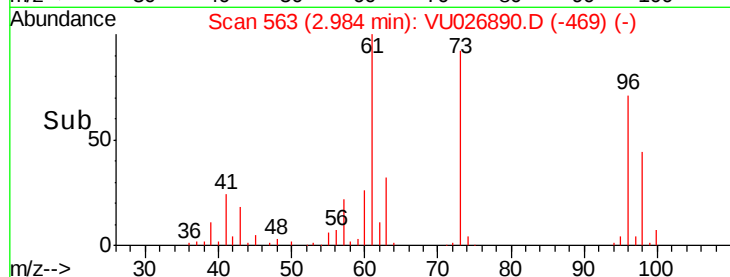
98 62.4 45.2 84.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 53.034 ug/L

RT: 3.00 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU026890.D

Acq: 19 Sep 2018 10:37

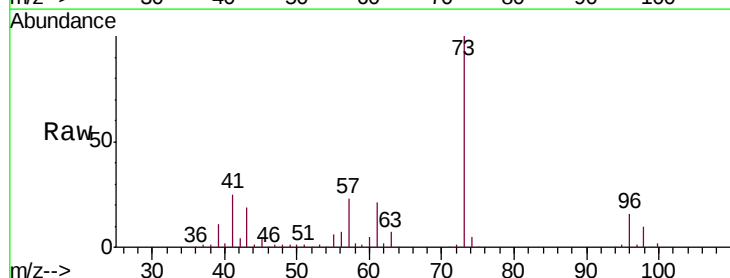
Tgt Ion: 73 Resp: 250623

Ion Ratio Lower Upper

73 100

43 19.4 15.3 22.9

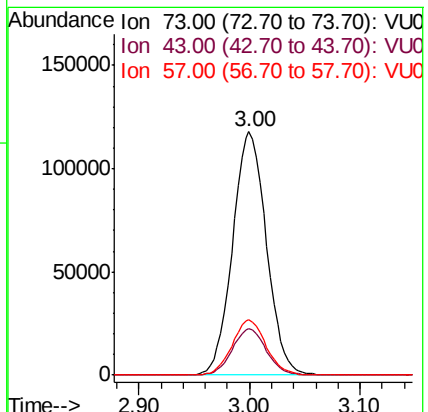
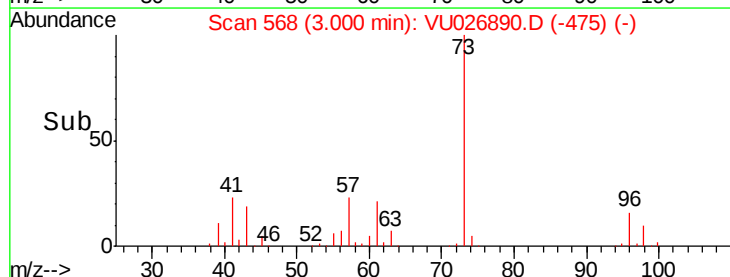
57 22.8 18.1 27.1

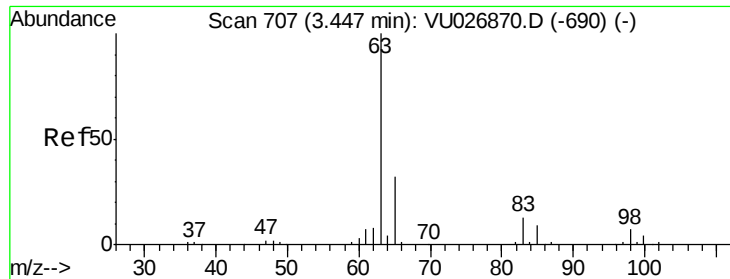


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

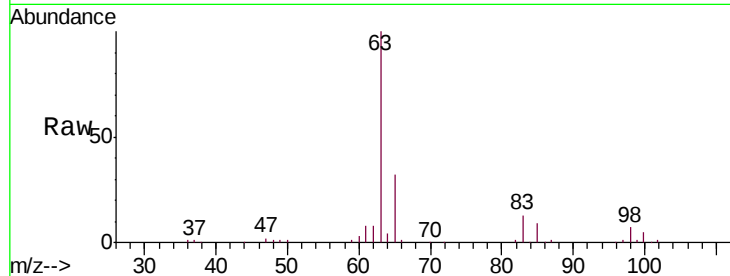




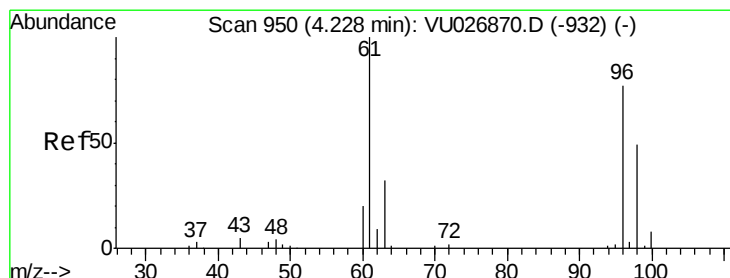
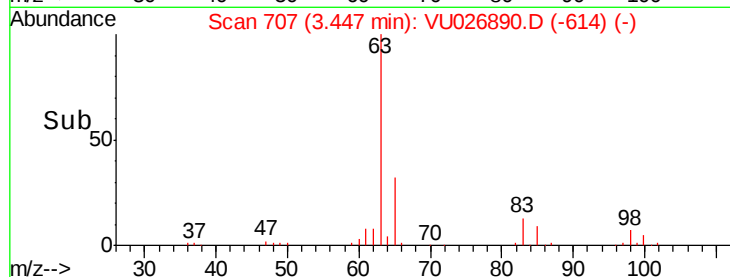
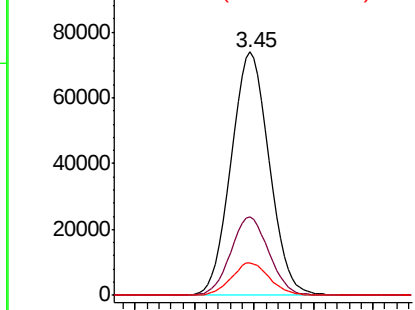
#19
 1,1-Dichloroethane
 Concen: 52.632 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU026890.D
 Acq: 19 Sep 2018 10:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

Tgt Ion: 63 Resp: 164048
 Ion Ratio Lower Upper
 63 100
 65 32.3 22.1 41.1
 83 13.3 9.3 17.3

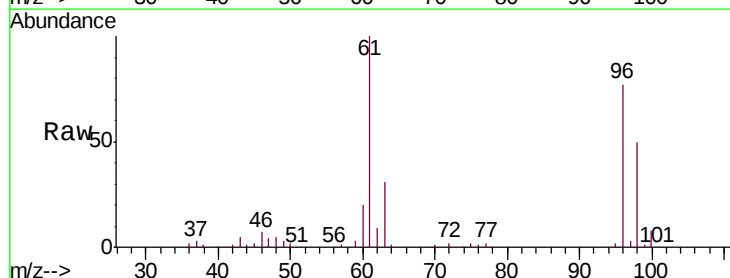


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

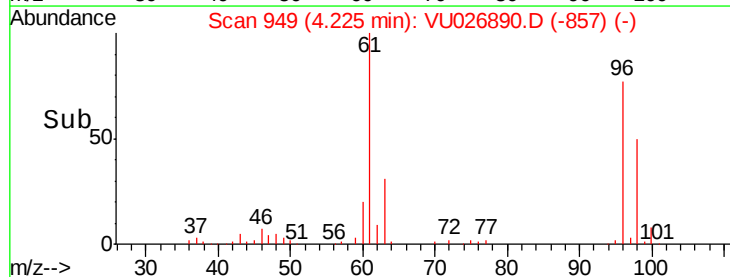
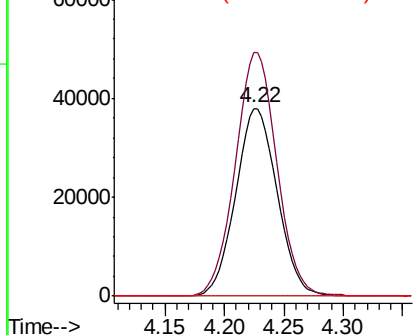


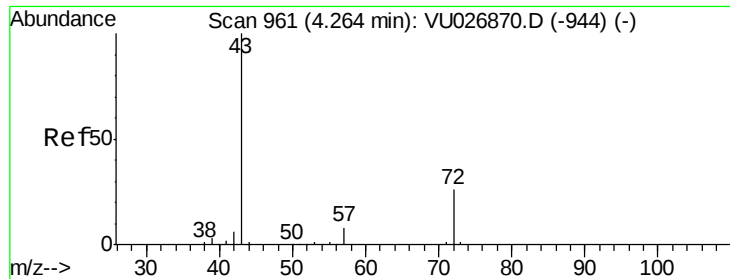
#20
 cis-1,2-Dichloroethene
 Concen: 51.671 ug/L
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU026890.D
 Acq: 19 Sep 2018 10:37

Tgt Ion: 96 Resp: 91838
 Ion Ratio Lower Upper
 96 100
 61 129.6 90.2 167.4
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 110.150 ug/L

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU026890.D

Acq: 19 Sep 2018 10:37

Instrument :

MSVOA_U

ClientSampleId :

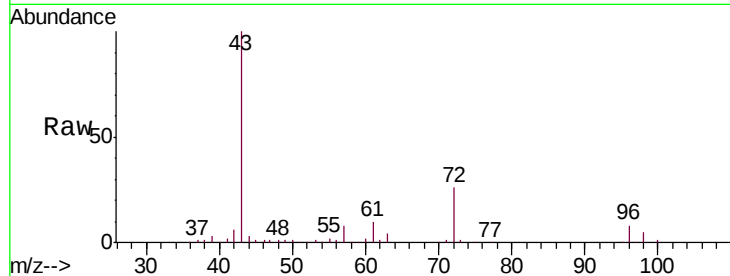
VSTD05049

Tgt Ion: 43 Resp: 148296

Ion Ratio Lower Upper

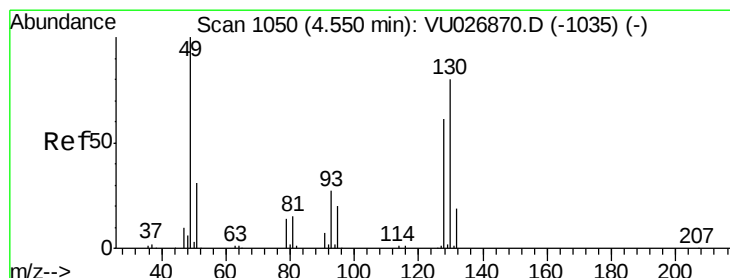
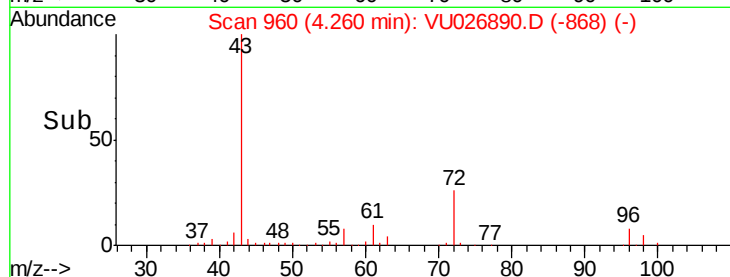
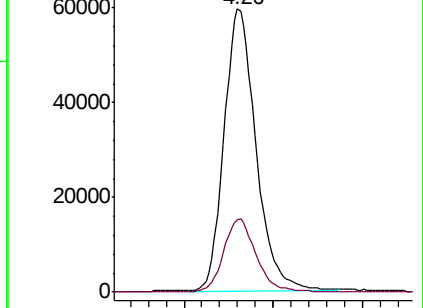
43 100

72 26.5 13.3 39.9



Abundance Ion 43.00 (42.70 to 43.70): VU026890.D (-944) (-)

Ion 72.00 (71.70 to 72.70): VU026890.D (-944) (-)



#23

Bromochloromethane

Concen: 52.319 ug/L

RT: 4.55 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU026890.D

Acq: 19 Sep 2018 10:37

Tgt Ion: 128 Resp: 50208

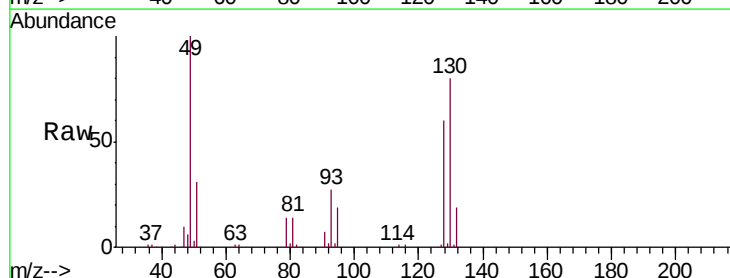
Ion Ratio Lower Upper

128 100

49 165.8 113.0 209.8

130 132.3 89.7 166.5

51 51.0 39.7 59.5

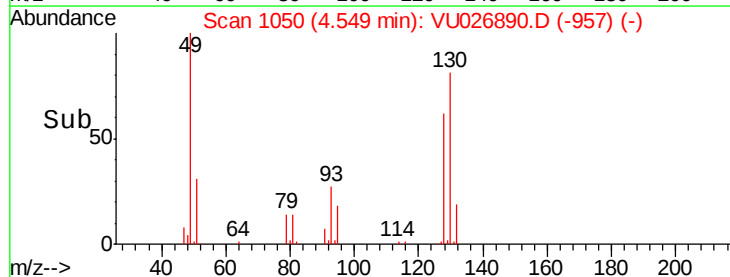
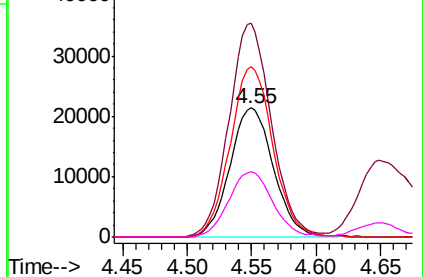


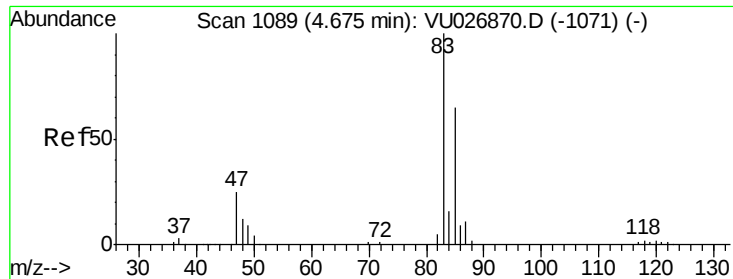
Abundance Ion 128.00 (127.70 to 128.70): VU026890.D (-957) (-)

Ion 49.00 (48.70 to 49.70): VU026890.D (-957) (-)

Ion 130.00 (129.70 to 130.70): VU026890.D (-957) (-)

Ion 51.00 (50.70 to 51.70): VU026890.D (-957) (-)

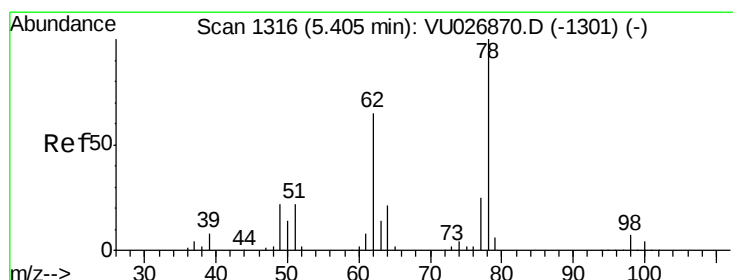
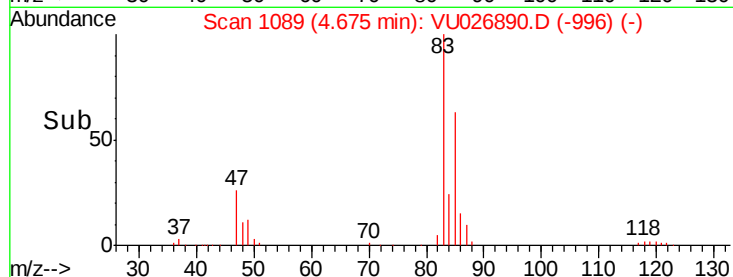
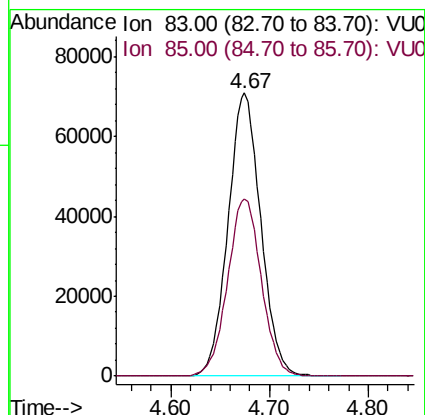
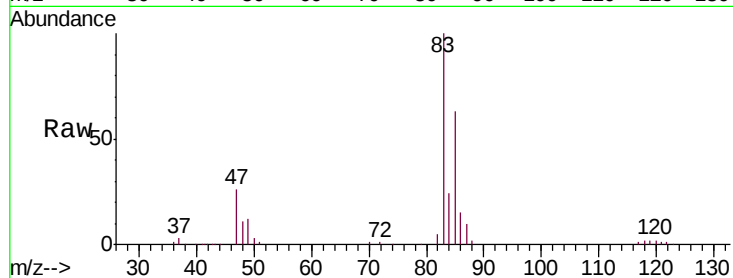




#25
Chloroform
Concen: 52.011 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU026890.D
Acq: 19 Sep 2018 10:37

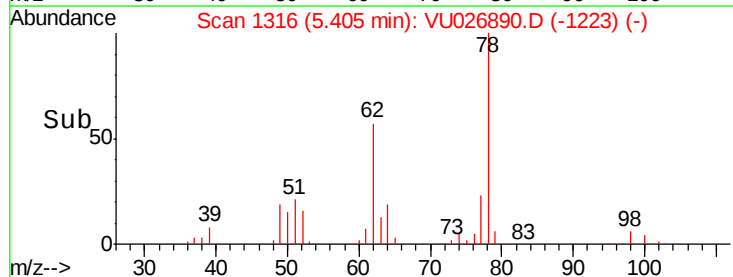
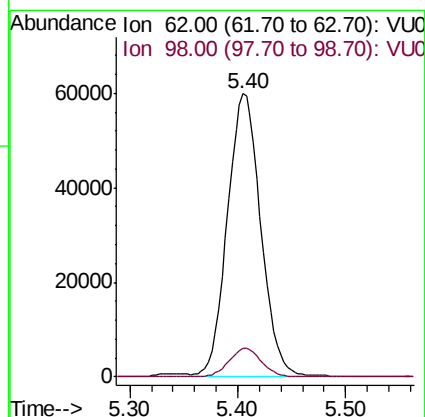
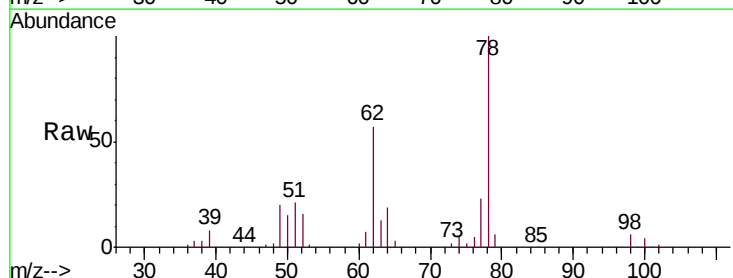
Instrument :
MSVOA_U
ClientSampleId :
VSTD05049

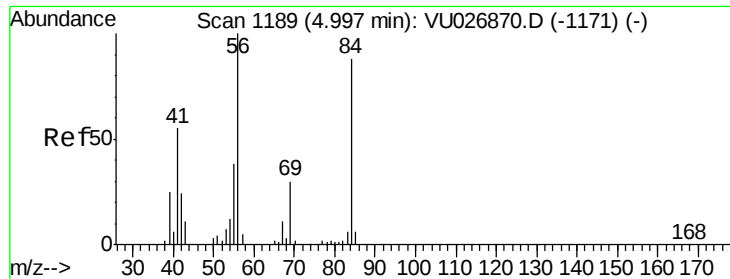
Tgt Ion: 83 Resp: 164197
Ion Ratio Lower Upper
83 100
85 62.8 44.4 82.5



#27
1,2-Dichloroethane
Concen: 52.322 ug/L
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU026890.D
Acq: 19 Sep 2018 10:37

Tgt Ion: 62 Resp: 128898
Ion Ratio Lower Upper
62 100
98 9.9 8.2 12.4





#29

Cyclohexane

Concen: 54.473 ug/L

RT: 5.00 min Scan# 1190

Delta R.T. 0.00 min

Lab File: VU026890.D

Acq: 19 Sep 2018 10:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

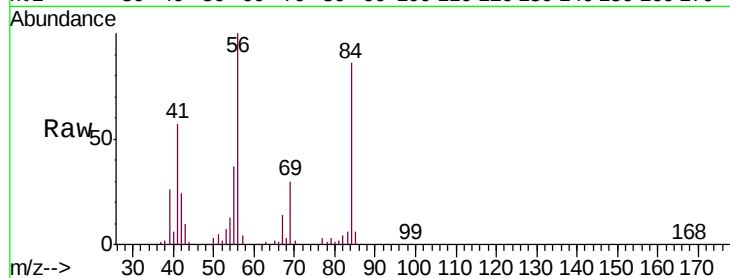
Tgt Ion: 56 Resp: 139556

Ion Ratio Lower Upper

56 100

69 29.5 23.7 35.5

84 85.6 69.0 103.4

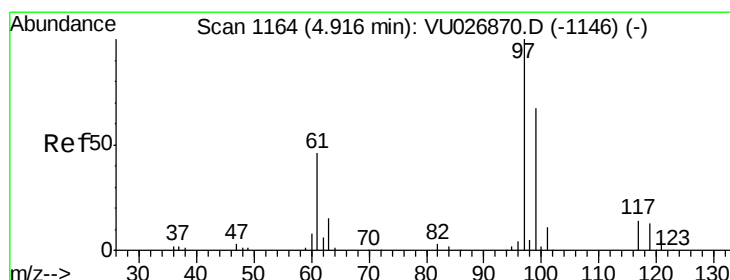
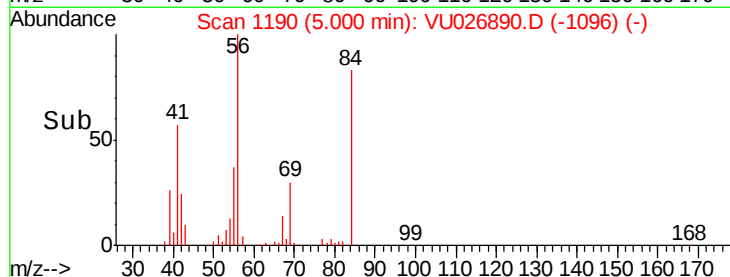
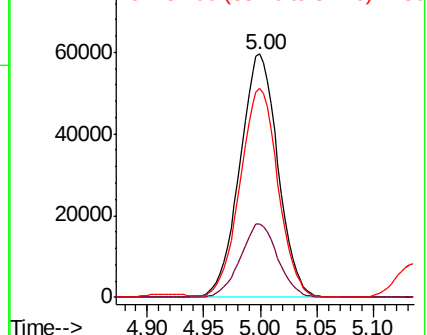


Abundance

Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#30

1,1,1-Trichloroethane

Concen: 52.175 ug/L

RT: 4.92 min Scan# 1164

Delta R.T. -0.00 min

Lab File: VU026890.D

Acq: 19 Sep 2018 10:37

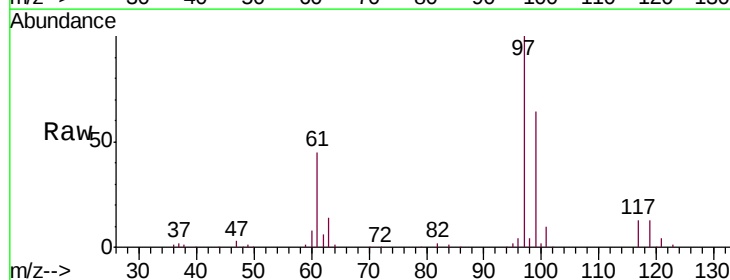
Tgt Ion: 97 Resp: 136959

Ion Ratio Lower Upper

97 100

99 64.4 51.8 77.8

61 46.0 36.6 54.8

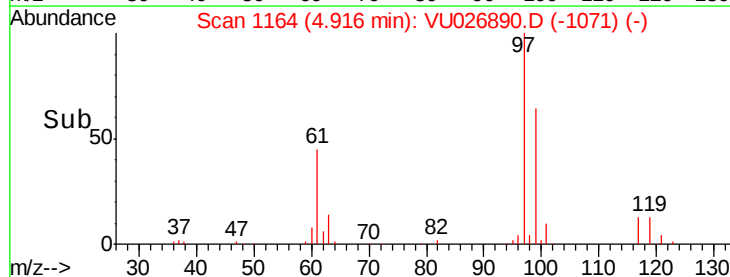
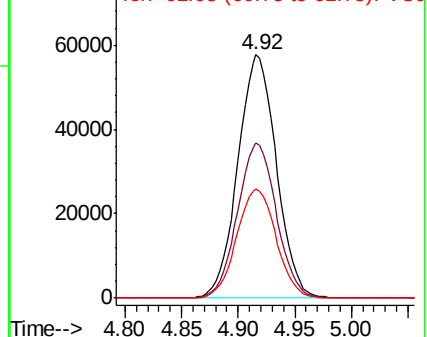


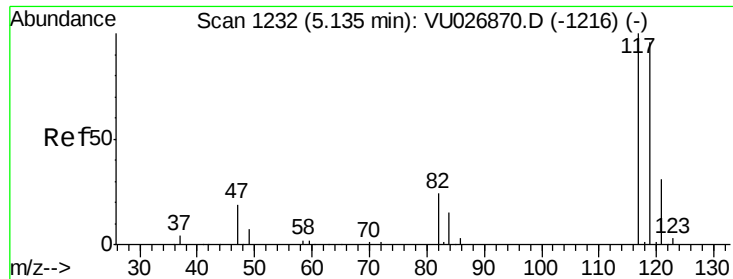
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

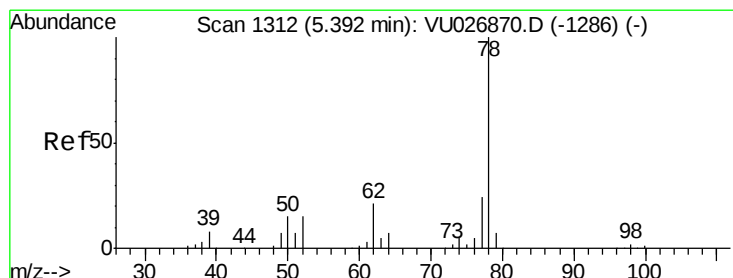
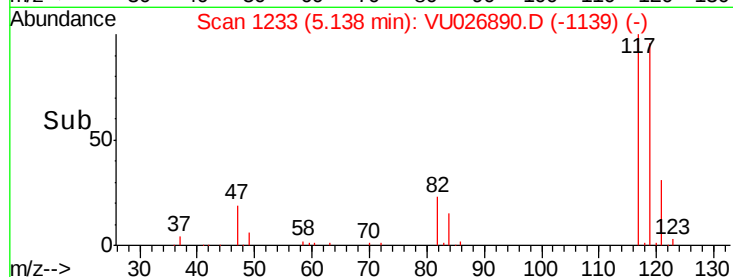
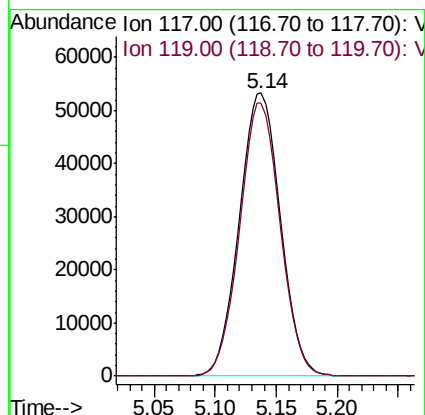
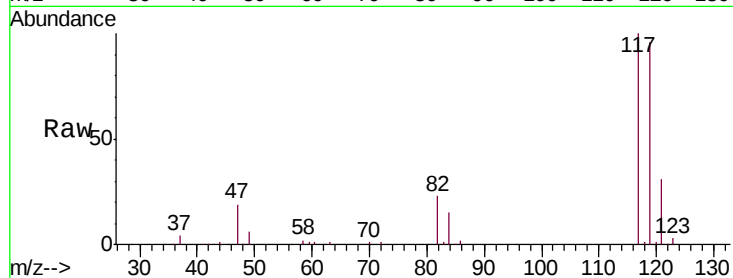




#31
Carbon tetrachloride
Concen: 52.757 ug/L
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU026890.D
Acq: 19 Sep 2018 10:37

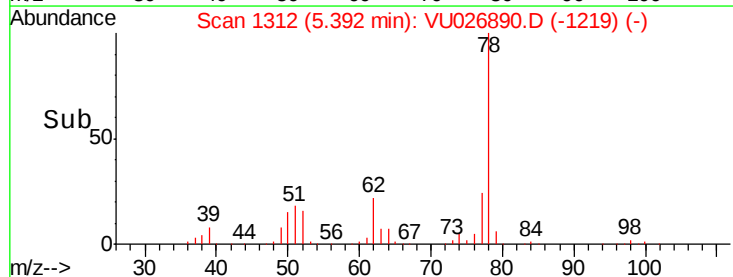
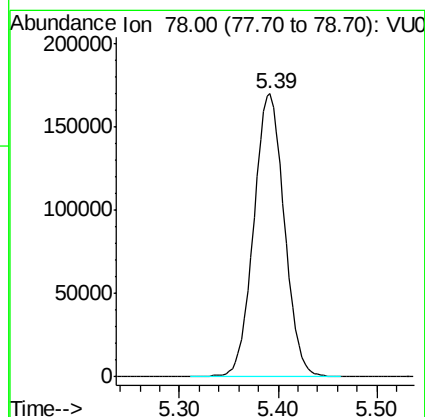
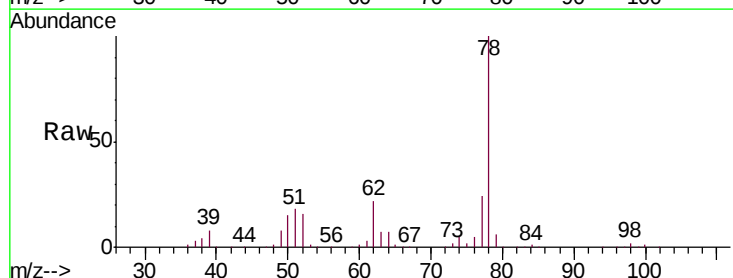
Instrument :
MSVOA_U
ClientSampleId :
VSTD05049

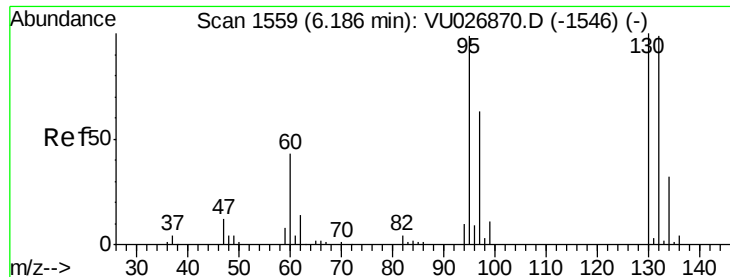
Tgt Ion:117 Resp: 124101
Ion Ratio Lower Upper
117 100
119 95.0 76.3 114.5



#33
Benzene
Concen: 53.142 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU026890.D
Acq: 19 Sep 2018 10:37

Tgt Ion: 78 Resp: 363543





#34

Trichloroethene

Concen: 52.198 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU026890.D

Acq: 19 Sep 2018 10:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

Tgt Ion: 95 Resp: 85687

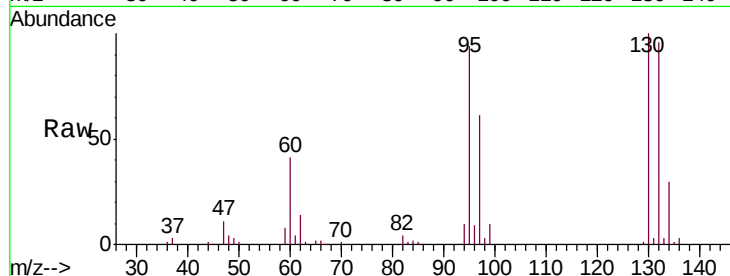
Ion Ratio Lower Upper

95 100

97 64.3 46.3 85.9

132 102.2 71.7 133.1

130 106.1 75.3 139.8

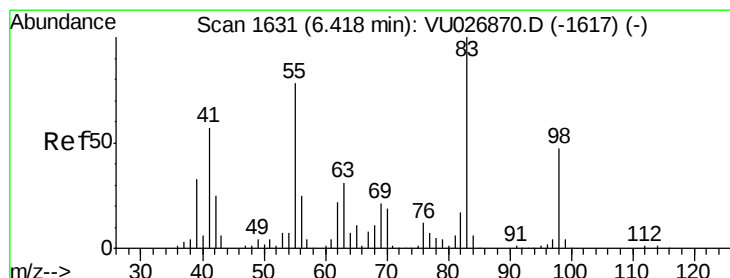
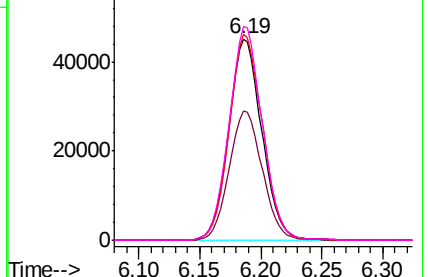
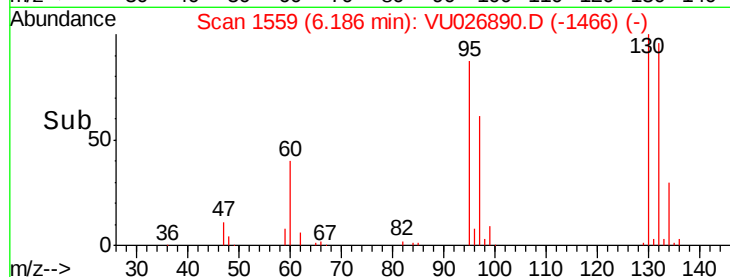


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 55.502 ug/L

RT: 6.42 min Scan# 1631

Delta R.T. -0.00 min

Lab File: VU026890.D

Acq: 19 Sep 2018 10:37

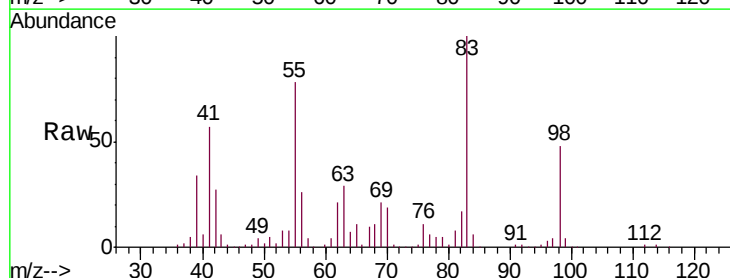
Tgt Ion: 83 Resp: 148519

Ion Ratio Lower Upper

83 100

55 79.8 61.7 92.5

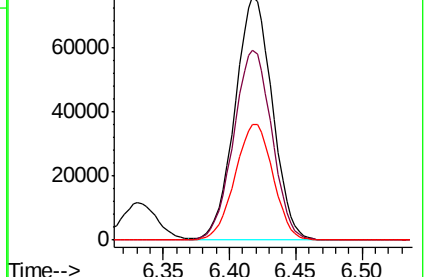
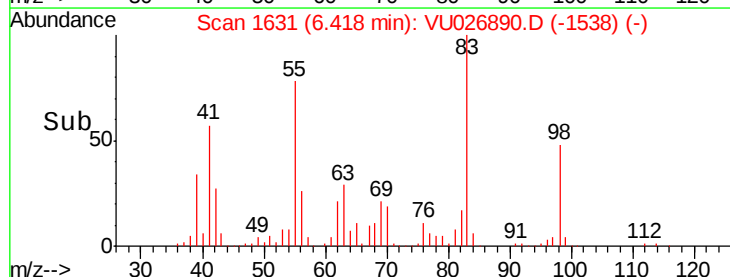
98 48.3 38.3 57.5

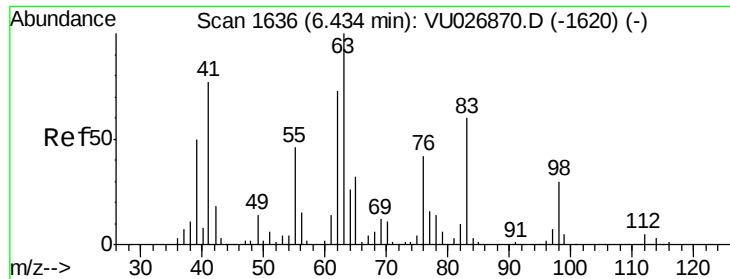


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

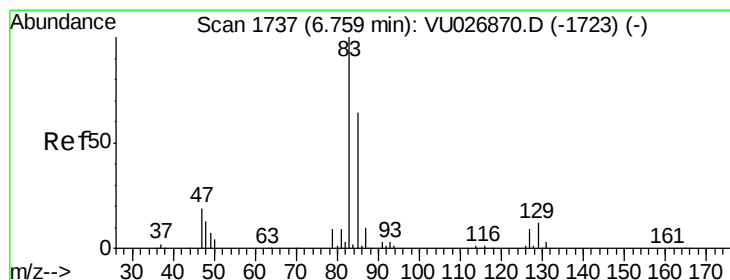
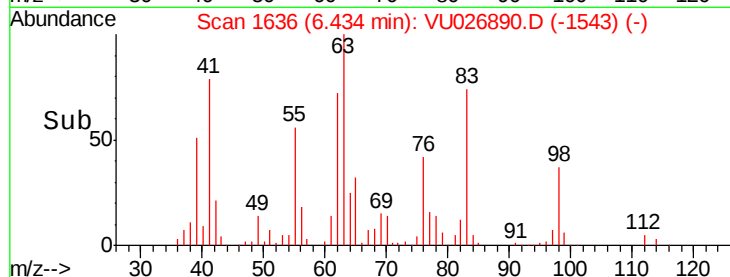
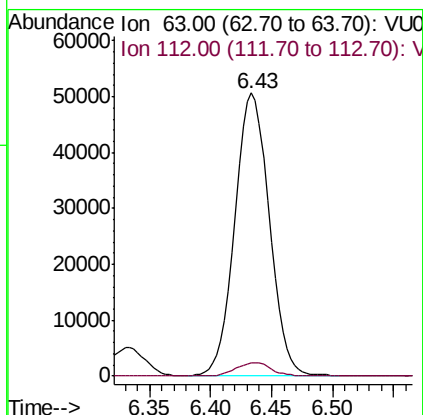
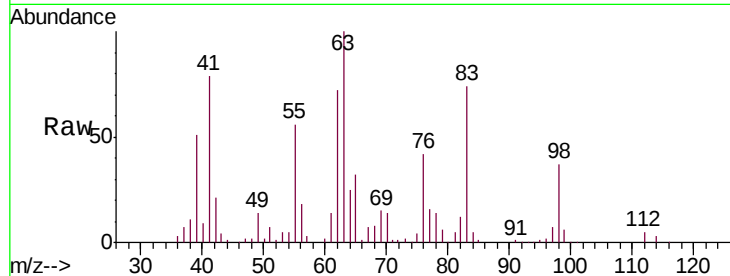




#37
 1,2-Dichloropropane
 Concen: 52.572 ug/L
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU026890.D
 Acq: 19 Sep 2018 10:37

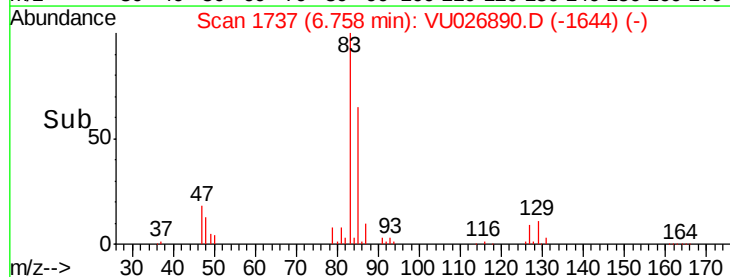
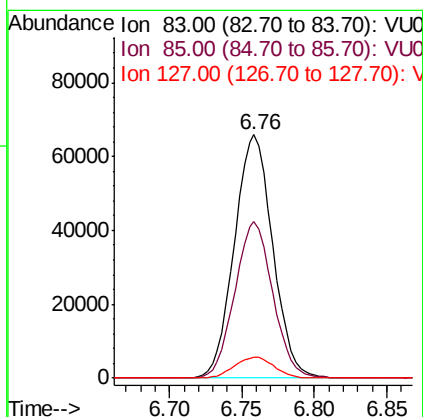
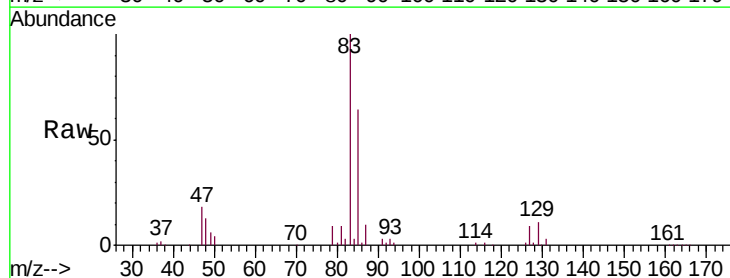
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

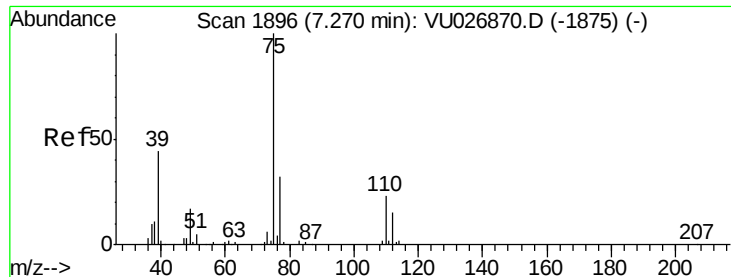
Tgt Ion: 63 Resp: 98794
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.7 5.5



#38
 Bromodichloromethane
 Concen: 52.033 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VU026890.D
 Acq: 19 Sep 2018 10:37

Tgt Ion: 83 Resp: 121262
 Ion Ratio Lower Upper
 83 100
 85 64.4 44.5 82.7
 127 8.5 6.9 10.3



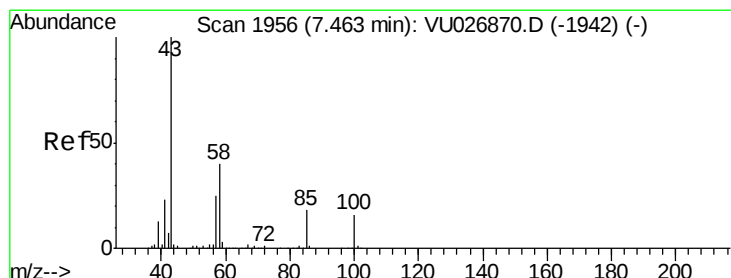
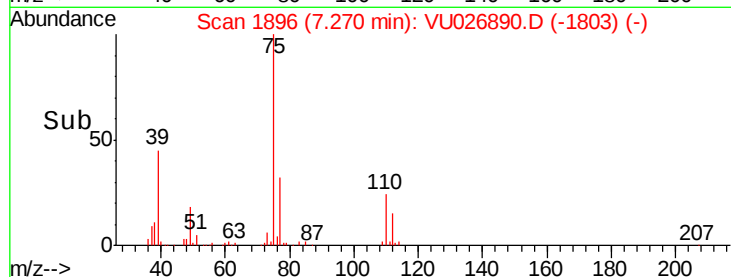
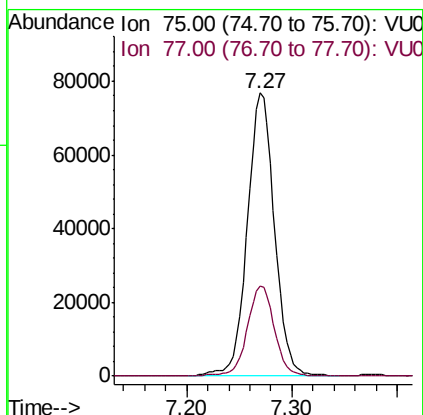
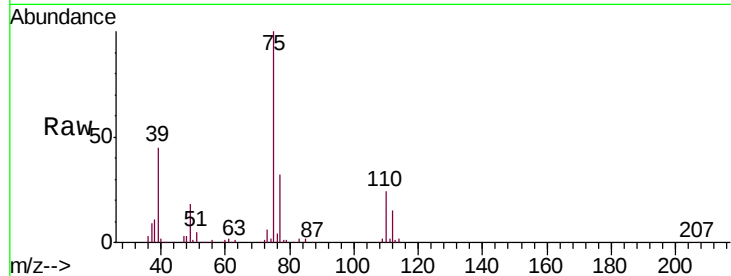


#39

cis-1,3-Dichloropropene
Concen: 51.917 ug/L
RT: 7.27 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VU026890.D
Acq: 19 Sep 2018 10:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD05049

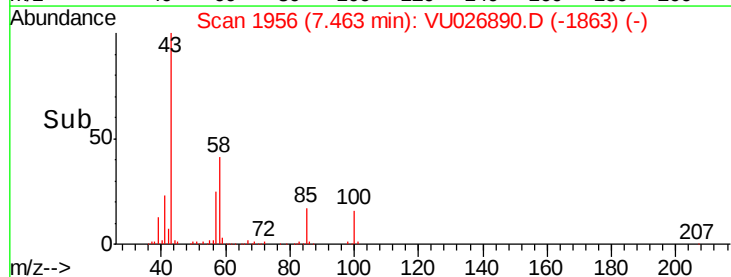
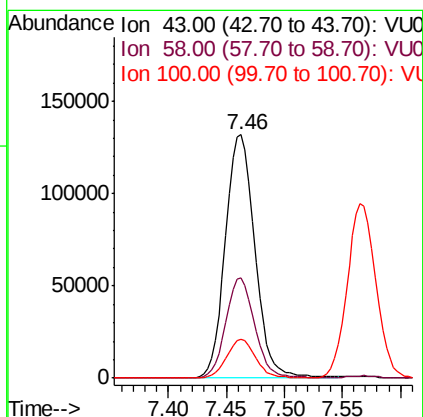
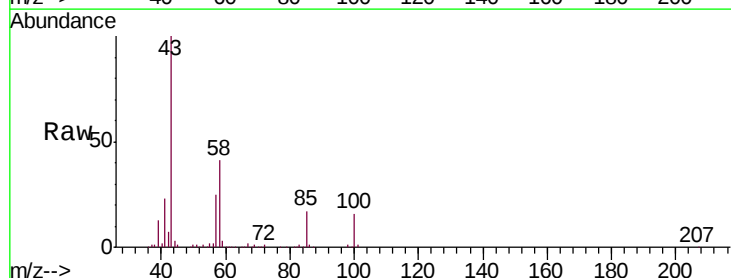
Tgt Ion: 75 Resp: 137816
Ion Ratio Lower Upper
75 100
77 31.9 22.1 41.1

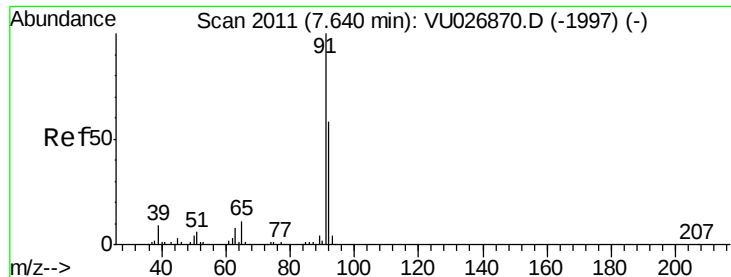


#40

4-Methyl-2-pentanone
Concen: 104.371 ug/L
RT: 7.46 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VU026890.D
Acq: 19 Sep 2018 10:37

Tgt Ion: 43 Resp: 233051
Ion Ratio Lower Upper
43 100
58 40.2 32.0 48.0
100 15.5 12.6 19.0





#42

Toluene

Concen: 54.394 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU026890.D

Acq: 19 Sep 2018 10:37

Instrument :

MSVOA_U

ClientSampleId :

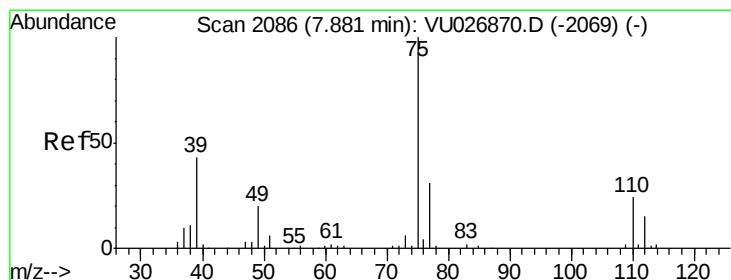
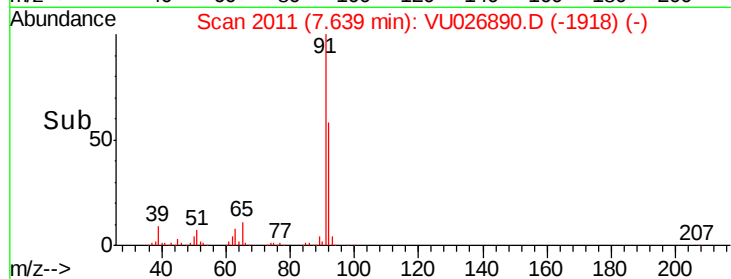
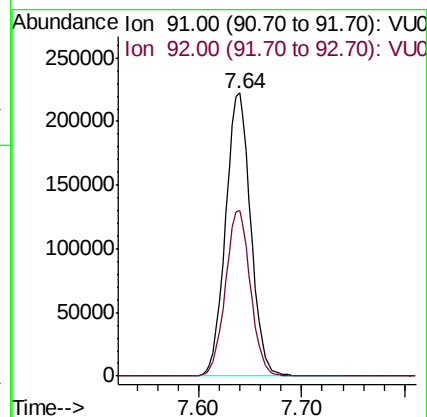
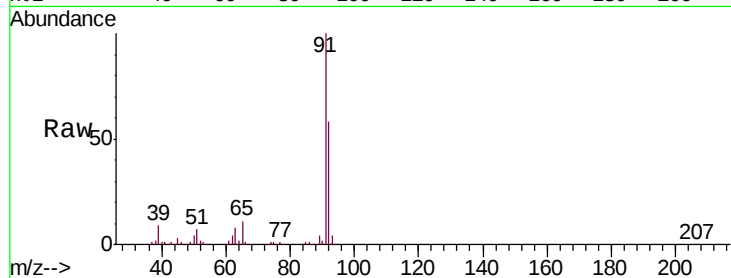
VSTD05049

Tgt Ion: 91 Resp: 376561

Ion Ratio Lower Upper

91 100

92 58.4 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 52.450 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VU026890.D

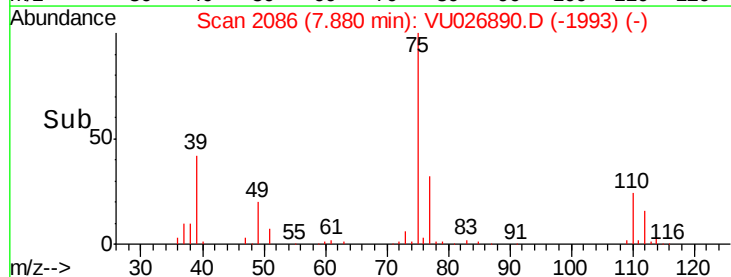
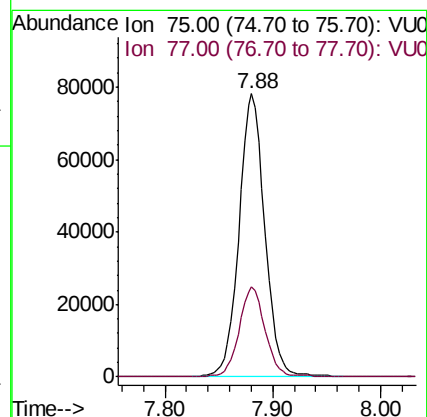
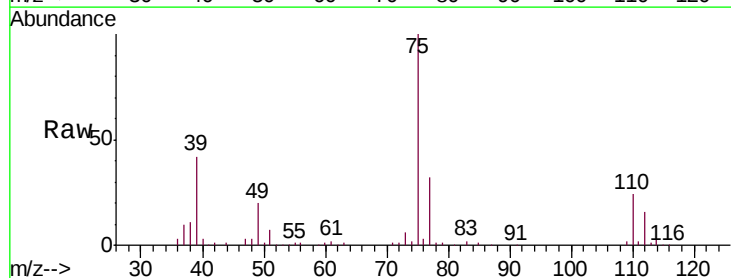
Acq: 19 Sep 2018 10:37

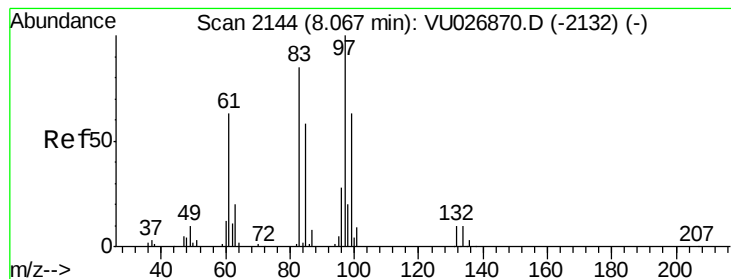
Tgt Ion: 75 Resp: 130366

Ion Ratio Lower Upper

75 100

77 31.7 22.8 42.4





#45

1,1,2-Trichloroethane

Concen: 51.502 ug/L

RT: 8.07 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU026890.D

Acq: 19 Sep 2018 10:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

Tgt Ion: 97 Resp: 88237

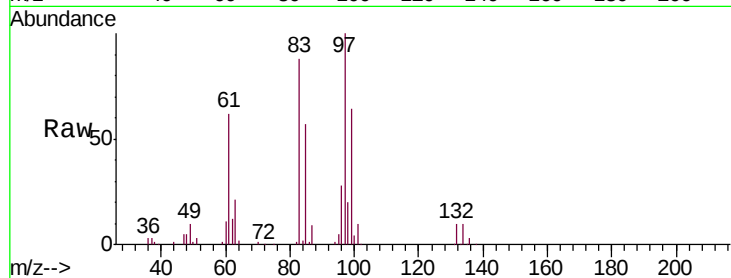
Ion Ratio Lower Upper

97 100

99 63.9 44.3 82.3

83 88.1 61.5 114.1

85 56.7 38.6 71.6



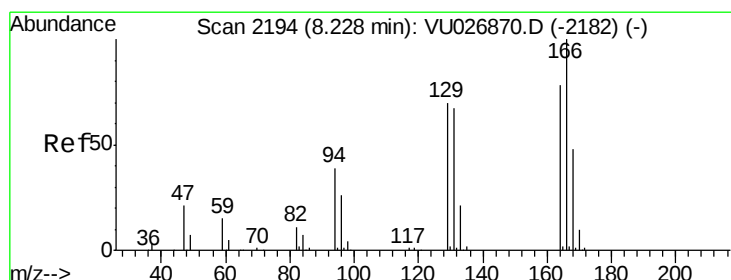
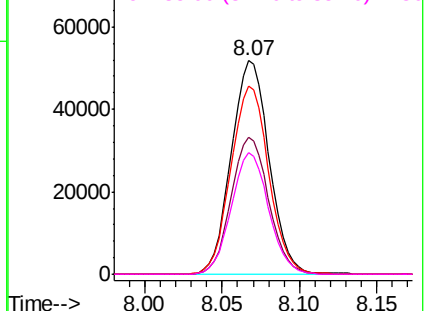
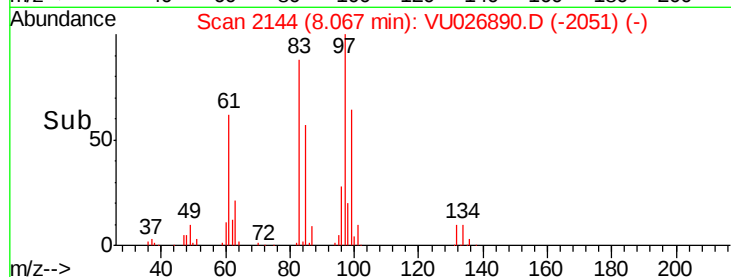
Abundance

Ion 97.00 (96.70 to 97.70): VU026890.D (-2132) (-)

Ion 99.00 (98.70 to 99.70): VU026890.D (-2132) (-)

Ion 83.00 (82.70 to 83.70): VU026890.D (-2132) (-)

Ion 85.00 (84.70 to 85.70): VU026890.D (-2132) (-)



#46

Tetrachloroethene

Concen: 53.810 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VU026890.D

Acq: 19 Sep 2018 10:37

Tgt Ion: 164 Resp: 78306

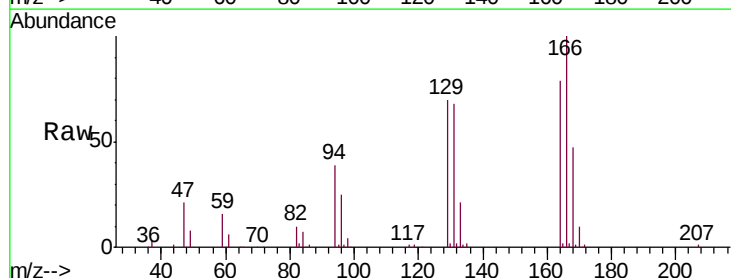
Ion Ratio Lower Upper

164 100

129 88.5 62.2 115.4

131 85.8 60.5 112.5

166 126.3 89.0 165.2



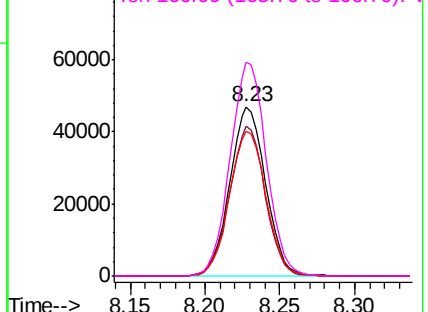
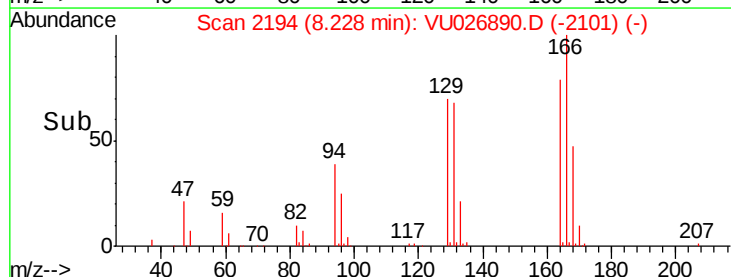
Abundance

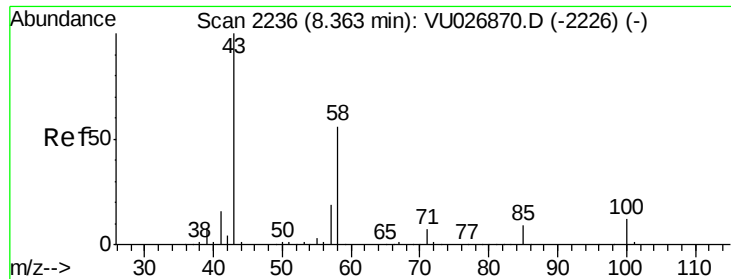
Ion 164.00 (163.70 to 164.70): VU026890.D (-2182) (-)

Ion 129.00 (128.70 to 129.70): VU026890.D (-2182) (-)

Ion 131.00 (130.70 to 131.70): VU026890.D (-2182) (-)

Ion 166.00 (165.70 to 166.70): VU026890.D (-2182) (-)

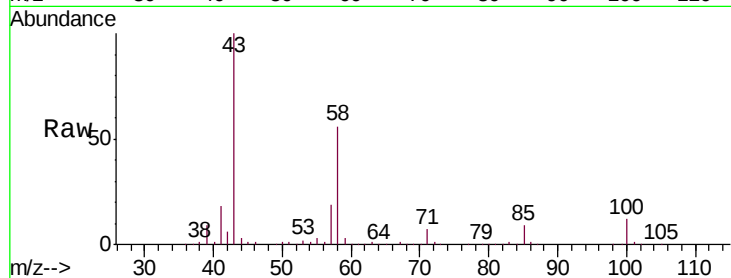




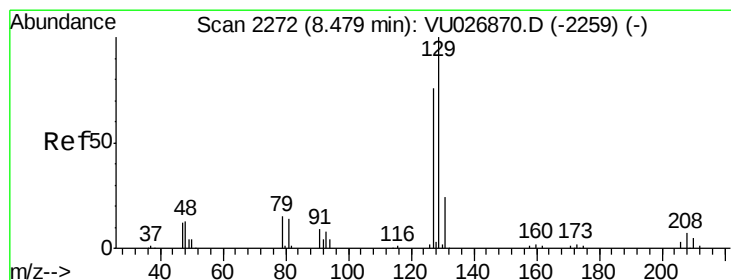
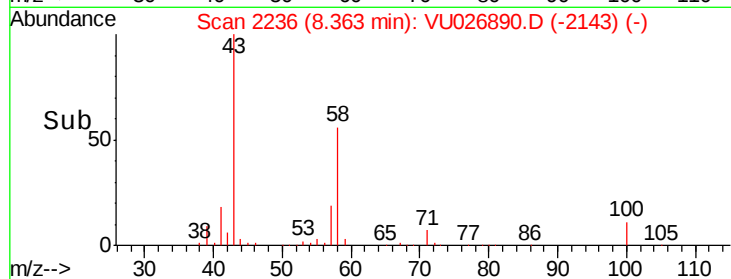
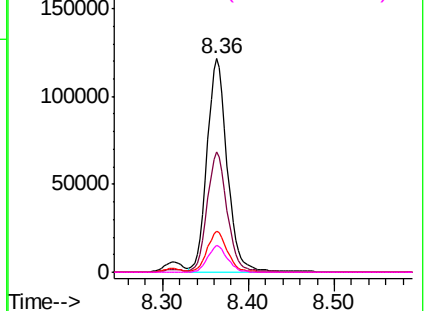
#48
2-Hexanone
Concen: 110.900 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU026890.D
Acq: 19 Sep 2018 10:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD05049

Tgt Ion: 43 Resp: 199747
Ion Ratio Lower Upper
43 100
58 55.9 44.9 67.3
57 19.1 15.4 23.2
100 12.3 10.2 15.4

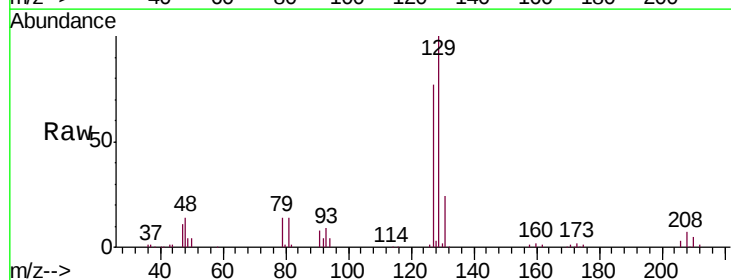


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

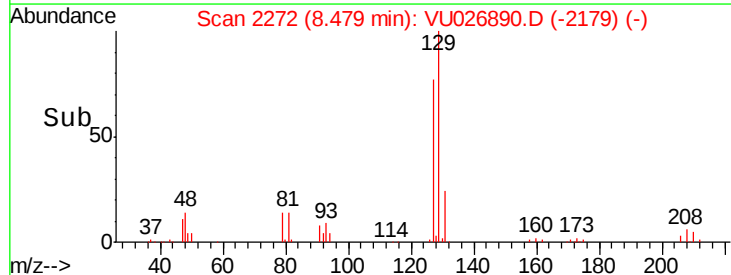
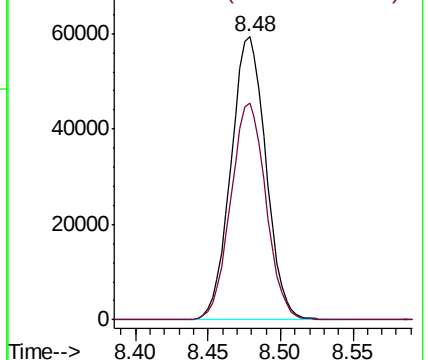


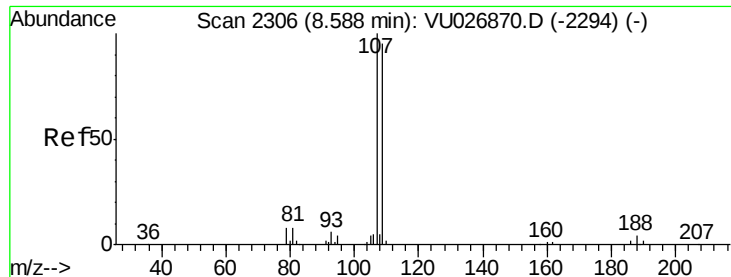
#49
Dibromochloromethane
Concen: 51.487 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU026890.D
Acq: 19 Sep 2018 10:37

Tgt Ion: 129 Resp: 99853
Ion Ratio Lower Upper
129 100
127 76.8 55.2 102.4



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

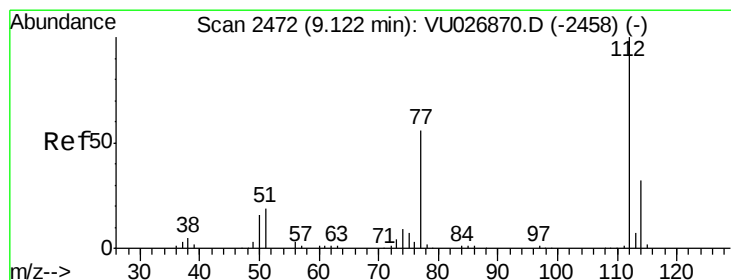
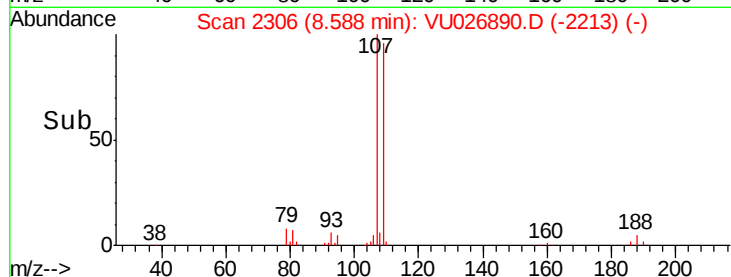
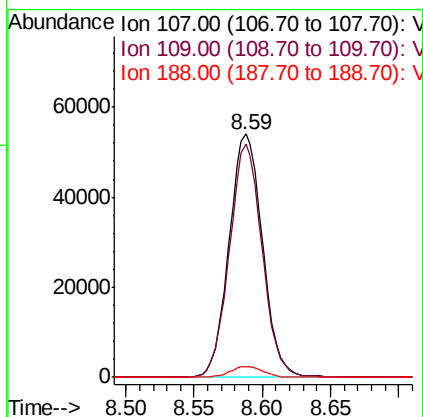
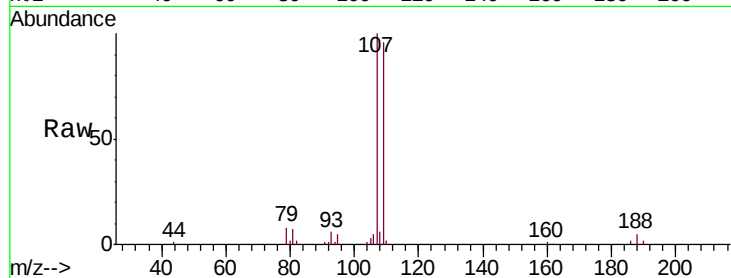




#50
 1,2-Dibromoethane
 Concen: 51.434 ug/L
 RT: 8.59 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VU026890.D
 Acq: 19 Sep 2018 10:37

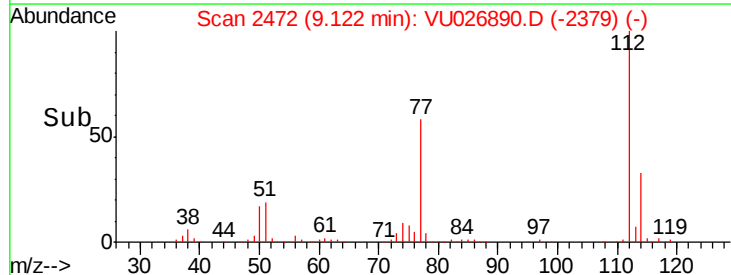
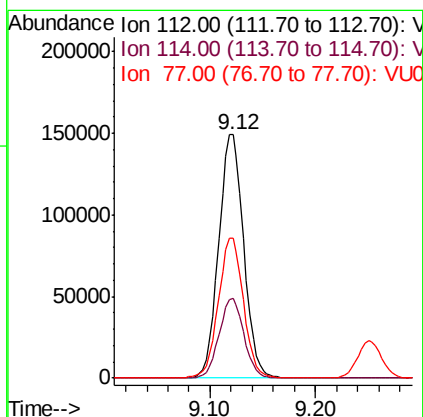
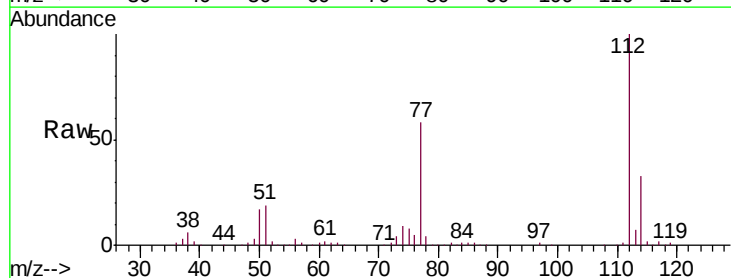
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

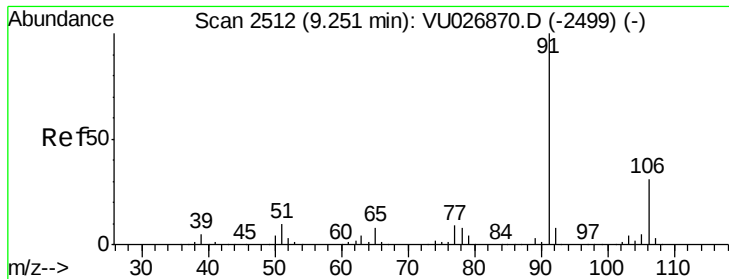
Tgt Ion:107 Resp: 91868
 Ion Ratio Lower Upper
 107 100
 109 96.0 67.8 125.8
 188 4.5 3.2 4.8



#51
 Chlorobenzene
 Concen: 52.117 ug/L
 RT: 9.12 min Scan# 2472
 Delta R.T. -0.00 min
 Lab File: VU026890.D
 Acq: 19 Sep 2018 10:37

Tgt Ion:112 Resp: 244814
 Ion Ratio Lower Upper
 112 100
 114 32.6 22.3 41.5
 77 57.7 45.1 67.7





#52

Ethylbenzene

Concen: 54.761 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU026890.D

Acq: 19 Sep 2018 10:37

Instrument :

MSVOA_U

ClientSampleId :

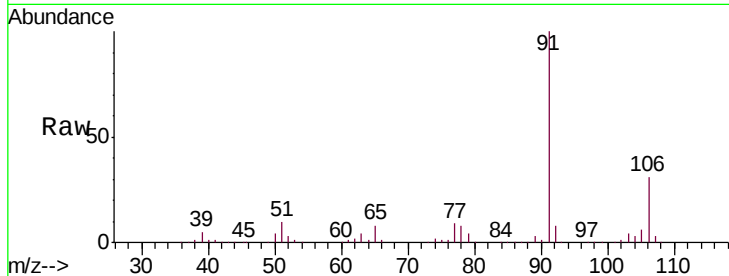
VSTD05049

Tgt Ion: 91 Resp: 397106

Ion Ratio Lower Upper

91 100

106 31.4 22.0 40.8



Abundance Ion 91.00 (90.70 to 91.70): VU026870.D (-2499) (-)

Ion 106.00 (105.70 to 106.70): VU026890.D (-2419) (-)

9.25

250000

200000

150000

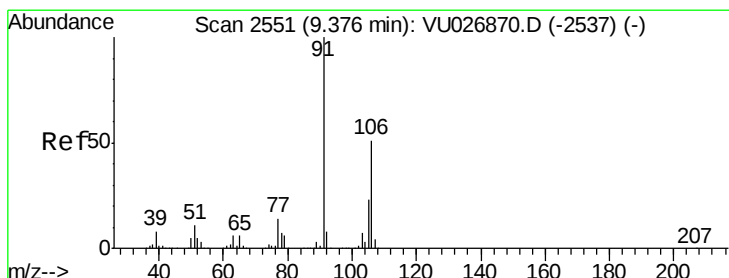
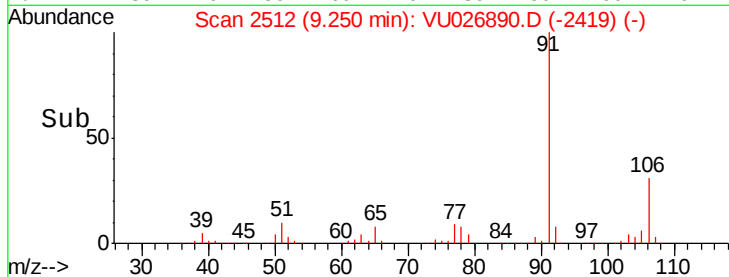
100000

50000

0

9.20 9.25 9.30 9.35

Time-->



#53

m,p-Xylene

Concen: 56.234 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU026890.D

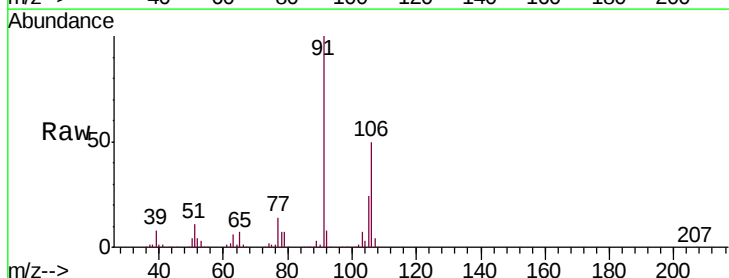
Acq: 19 Sep 2018 10:37

Tgt Ion: 106 Resp: 156765

Ion Ratio Lower Upper

106 100

91 199.1 139.2 258.6



Abundance Ion 106.00 (105.70 to 106.70): VU026890.D (-2419) (-)

Ion 91.00 (90.70 to 91.70): VU026870.D (-2537) (-)

9.38

200000

150000

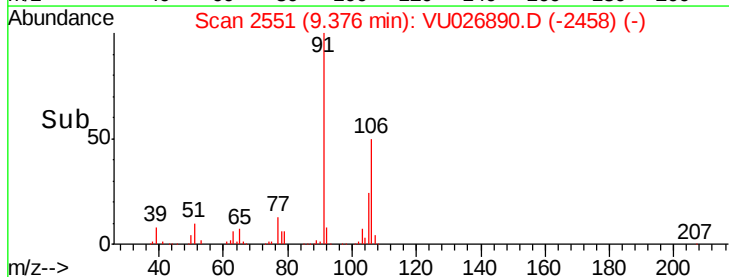
100000

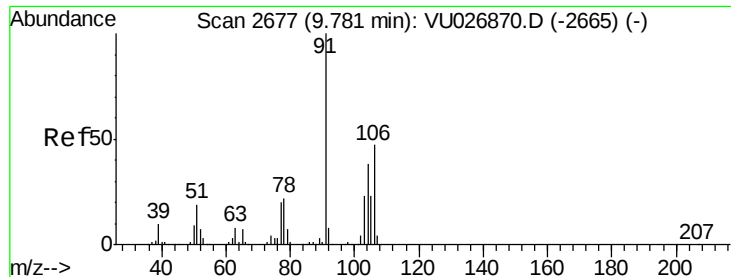
50000

0

9.30 9.35 9.40 9.45

Time-->





#54

o-xylene

Concen: 56.278 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VU026890.D

Acq: 19 Sep 2018 10:37

Instrument :

MSVOA_U

ClientSampleId :

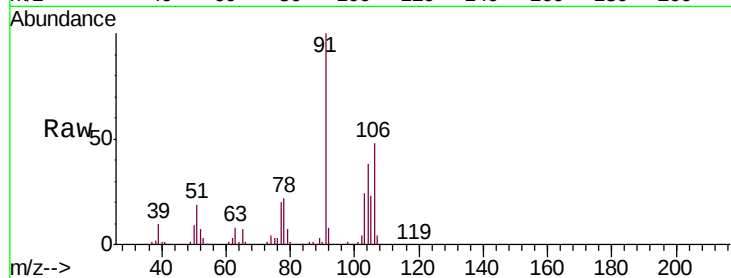
VSTD05049

Tgt Ion:106 Resp: 152863

Ion Ratio Lower Upper

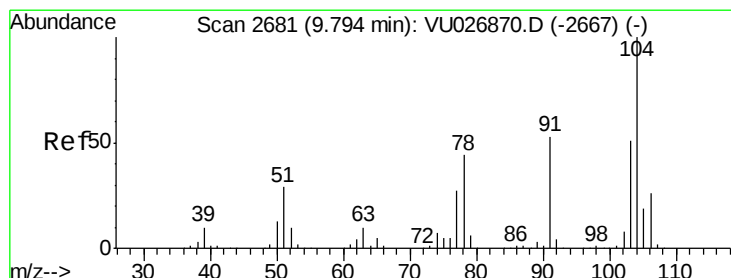
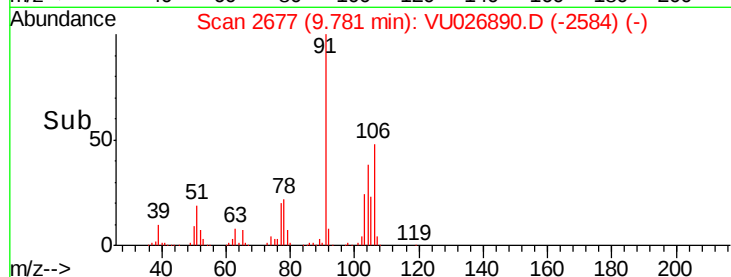
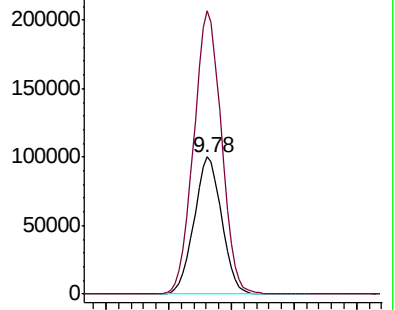
106 100

91 206.5 143.1 265.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 57.478 ug/L

RT: 9.79 min Scan# 2681

Delta R.T. -0.00 min

Lab File: VU026890.D

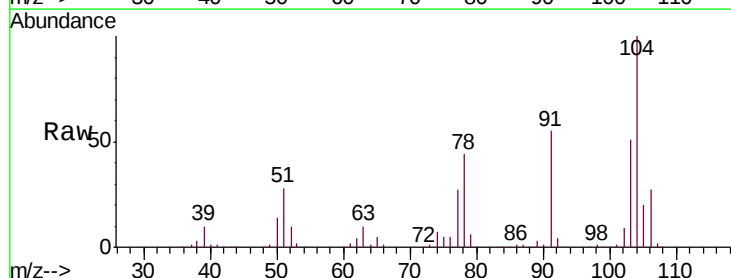
Acq: 19 Sep 2018 10:37

Tgt Ion:104 Resp: 269546

Ion Ratio Lower Upper

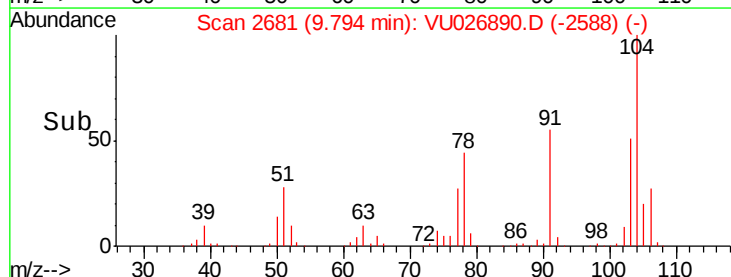
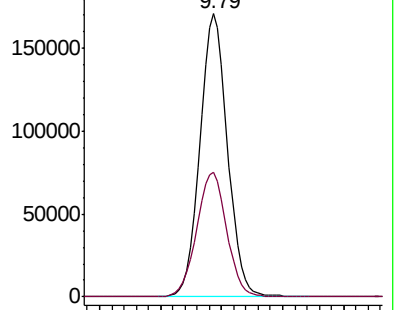
104 100

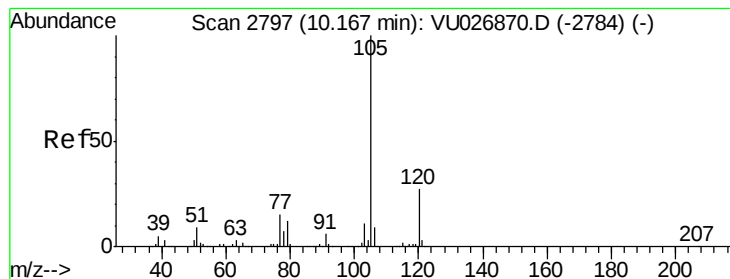
78 43.8 30.5 56.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 56.844 ug/L

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU026890.D

Acq: 19 Sep 2018 10:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

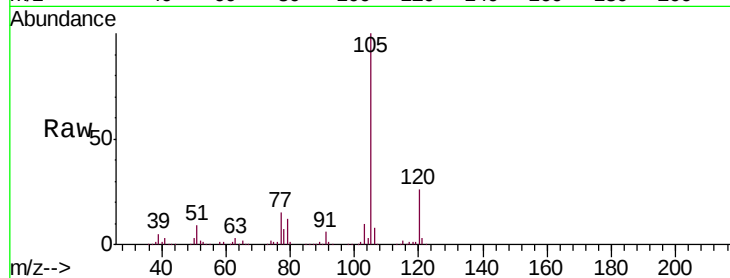
Tgt Ion: 105 Resp: 394402

Ion Ratio Lower Upper

105 100

120 26.6 21.4 32.2

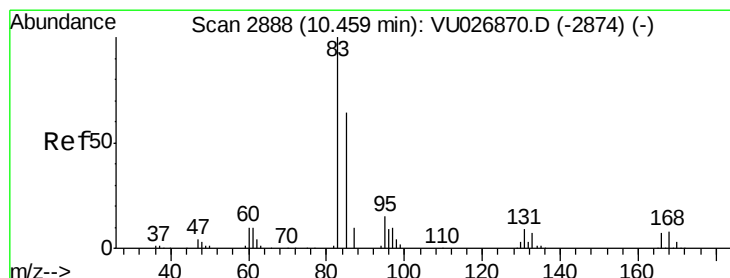
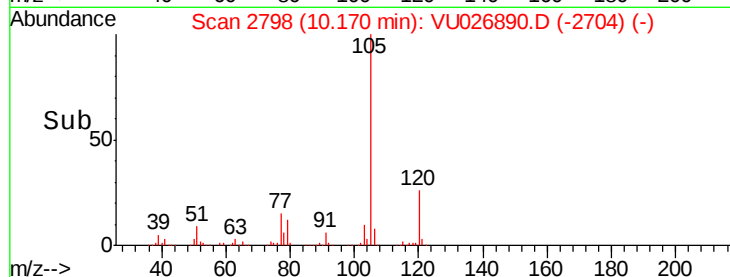
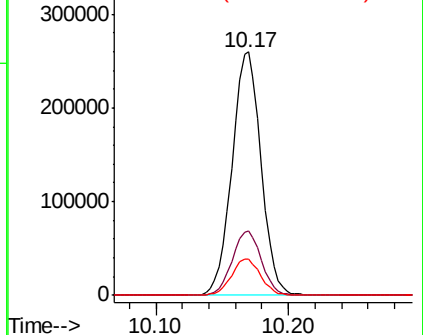
77 15.1 12.2 18.4



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: 50.555 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU026890.D

Acq: 19 Sep 2018 10:37

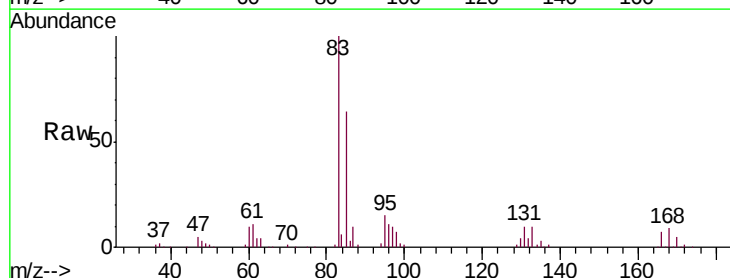
Tgt Ion: 83 Resp: 145684

Ion Ratio Lower Upper

83 100

85 64.0 45.4 84.2

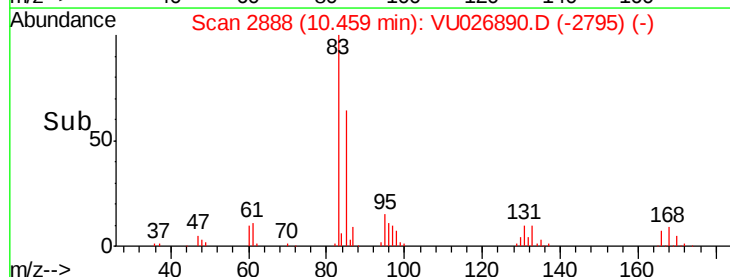
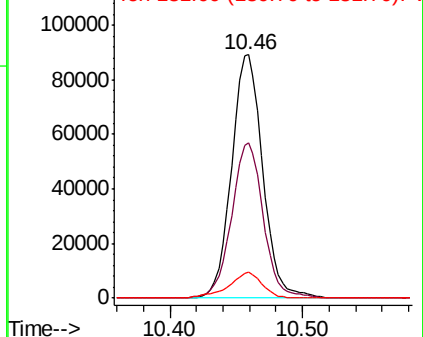
131 10.4 7.9 11.9

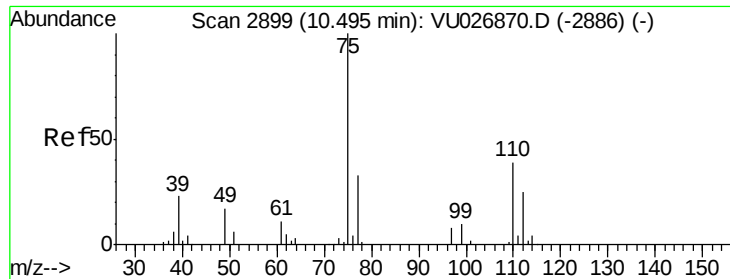


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

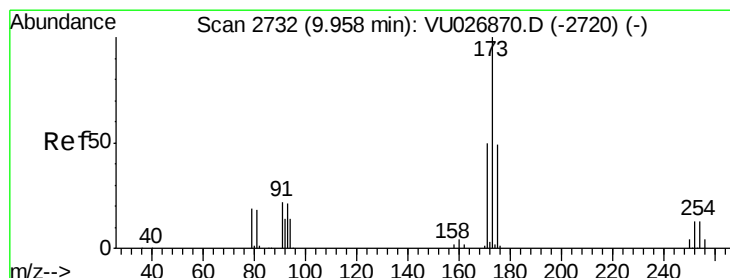
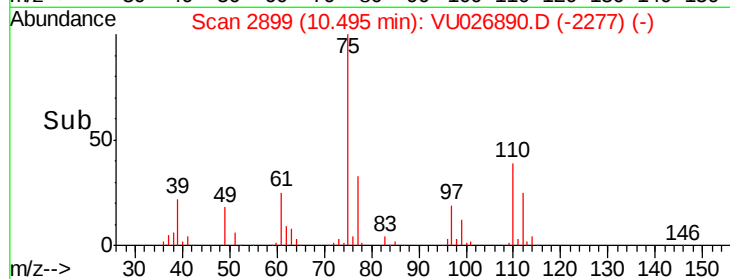
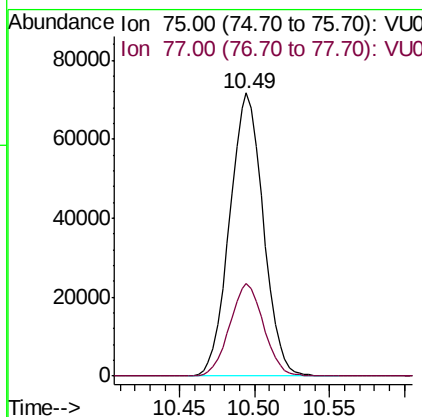
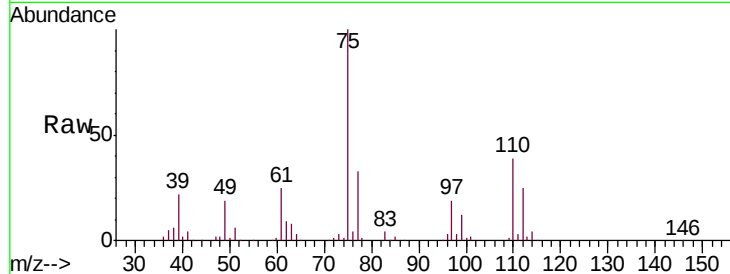




#59
 1,2,3-Trichloropropane
 Concen: 49.959 ug/L
 RT: 10.49 min Scan# 2899
 Delta R.T. -0.00 min
 Lab File: VU026890.D
 Acq: 19 Sep 2018 10:37

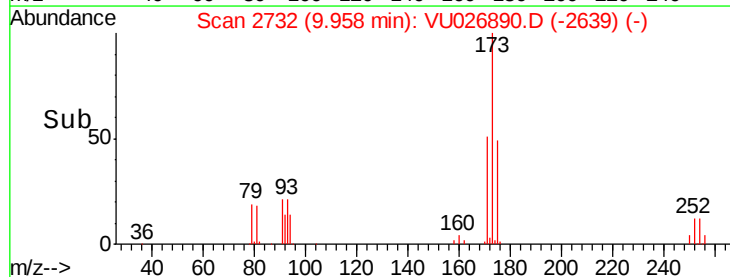
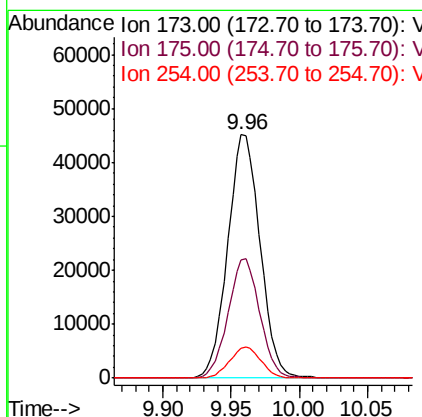
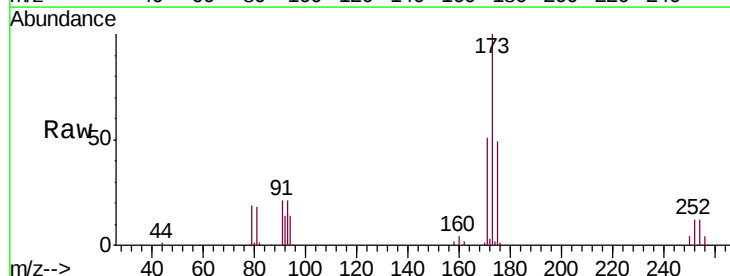
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

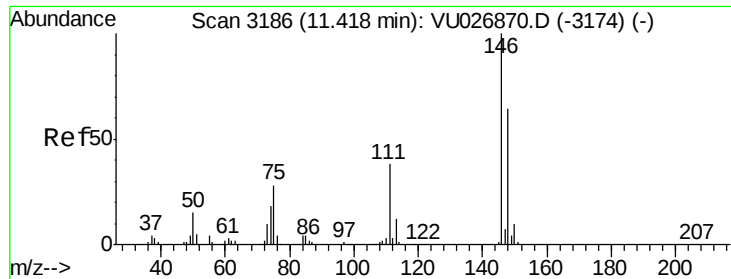
Tgt Ion: 75 Resp: 112458
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.5 38.3



#61
 Bromoform
 Concen: 48.710 ug/L
 RT: 9.96 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VU026890.D
 Acq: 19 Sep 2018 10:37

Tgt Ion: 173 Resp: 74501
 Ion Ratio Lower Upper
 173 100
 175 48.0 38.6 57.8
 254 12.2 9.4 14.2





#62

1,3-Dichlorobenzene

Concen: 52.197 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU026890.D

Acq: 19 Sep 2018 10:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

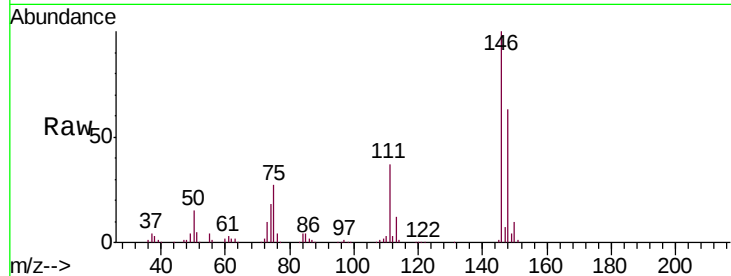
Tgt Ion:146 Resp: 185070

Ion Ratio Lower Upper

146 100

111 37.0 26.7 49.7

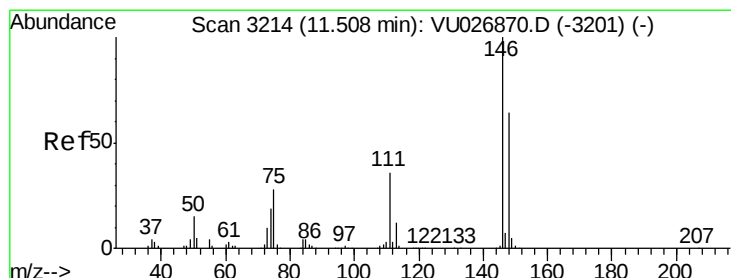
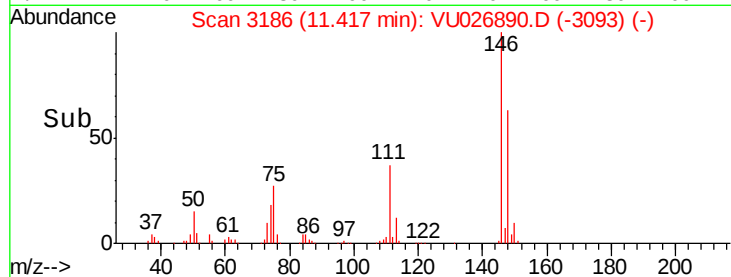
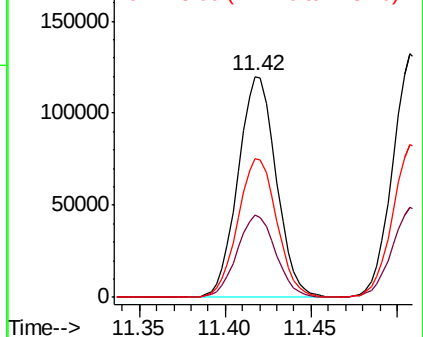
148 62.7 44.9 83.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 51.899 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU026890.D

Acq: 19 Sep 2018 10:37

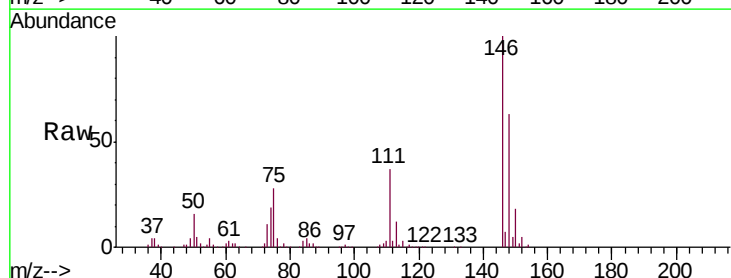
Tgt Ion:146 Resp: 202623

Ion Ratio Lower Upper

146 100

111 36.7 26.0 48.2

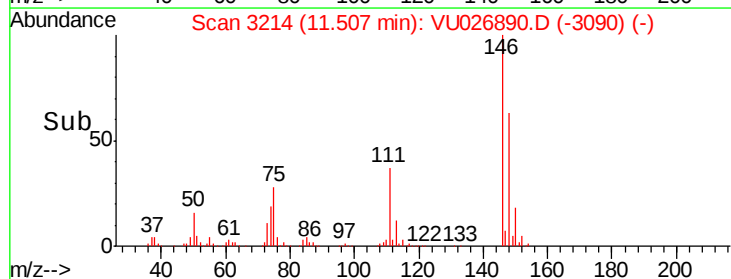
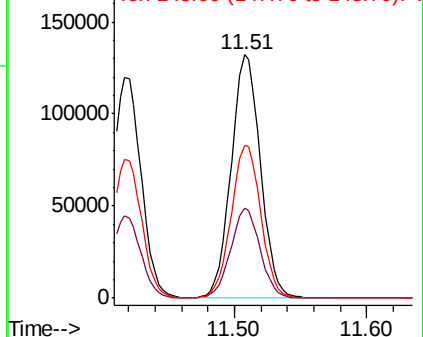
148 62.7 45.8 85.2

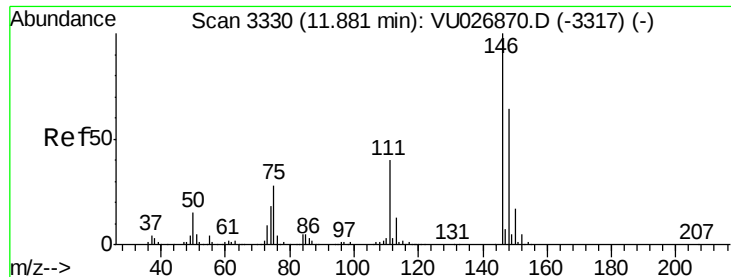


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

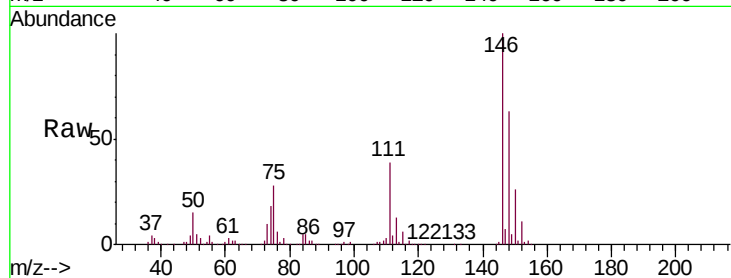




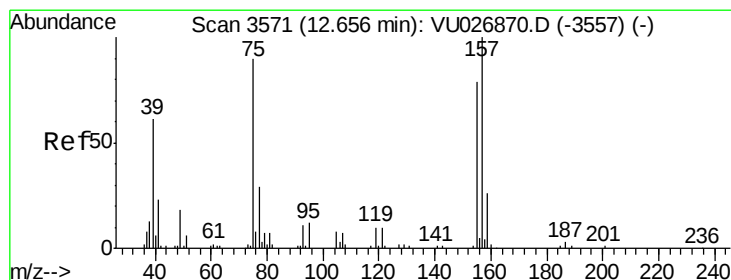
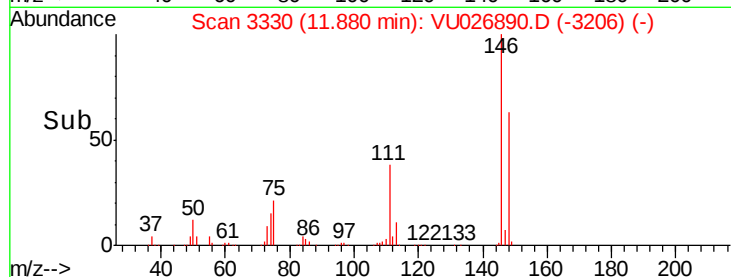
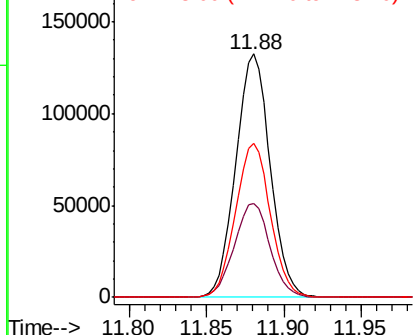
#65
 1,2-Dichlorobenzene
 Concen: 52.233 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU026890.D
 Acq: 19 Sep 2018 10:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	31.4	47.0
148	63.3	51.4	77.2

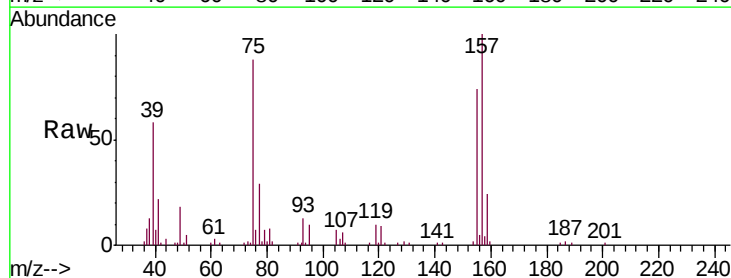


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

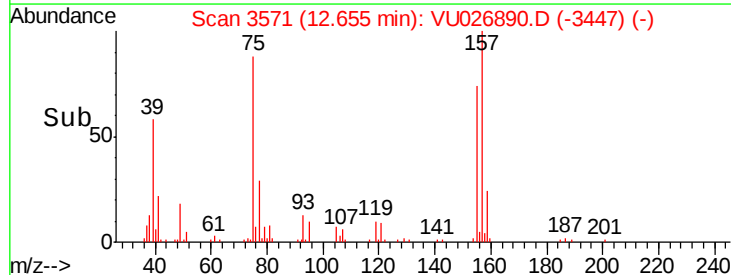
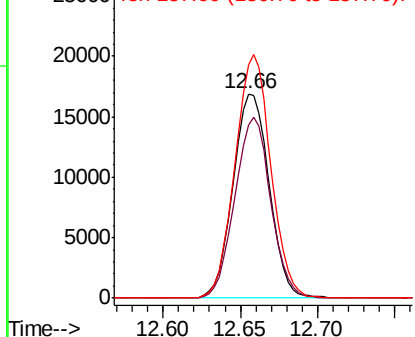


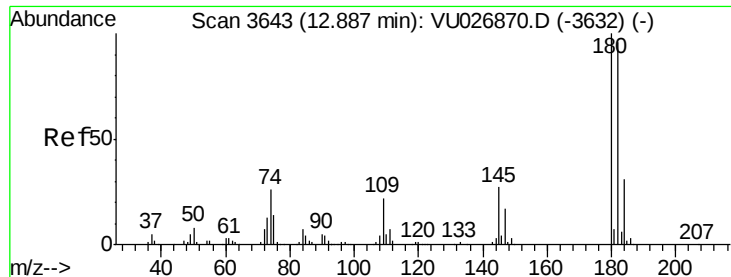
#66
 1,2-Dibromo-3-chloropropane
 Concen: 46.006 ug/L
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU026890.D
 Acq: 19 Sep 2018 10:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.0	69.5	104.3
157	114.2	90.5	135.7



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

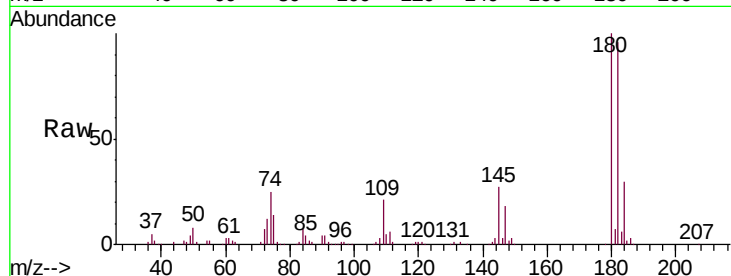




#67
 1,3,5-Trichlorobenzene
 Concen: 55.467 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.00 min
 Lab File: VU026890.D
 Acq: 19 Sep 2018 10:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.7	115.1
184	30.4	24.2	36.4
145	27.2	21.8	32.6



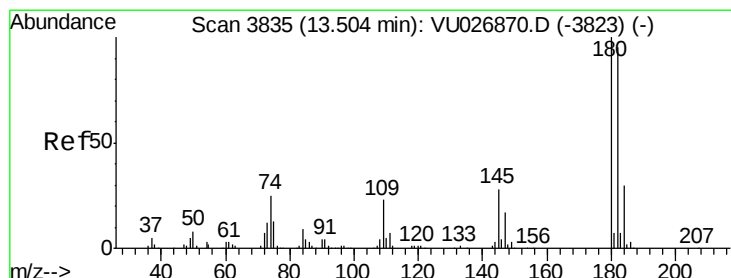
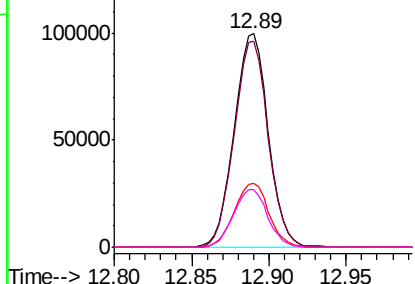
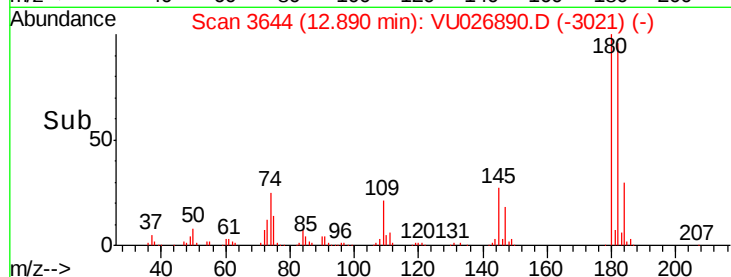
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

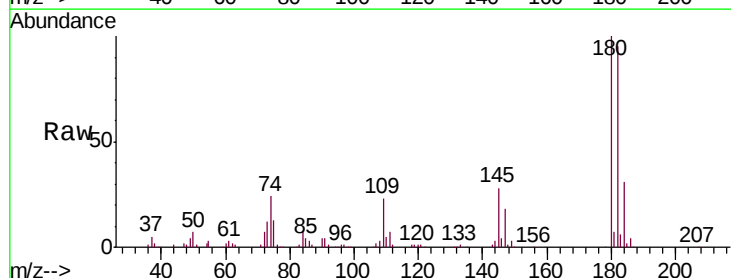
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 54.930 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU026890.D
 Acq: 19 Sep 2018 10:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.8	115.2
145	27.8	22.2	33.2

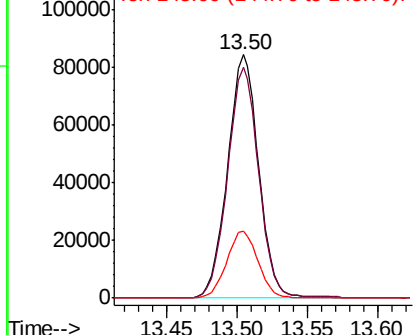
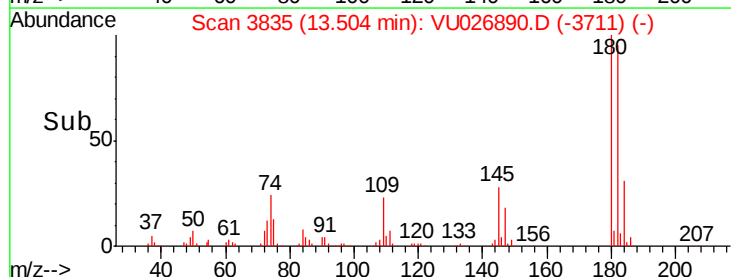


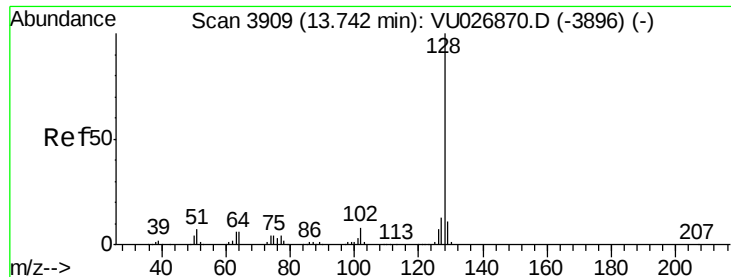
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 54.932 ug/L

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU026890.D

Acq: 19 Sep 2018 10:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD05049

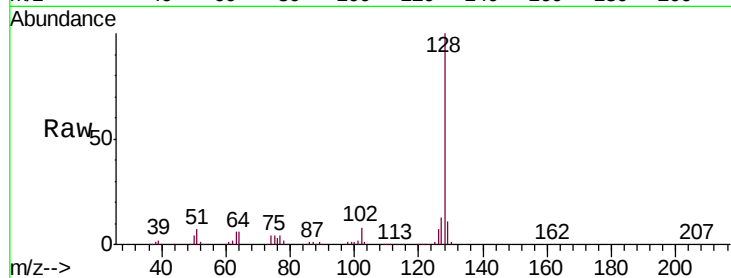
Tgt Ion:128 Resp: 382628

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

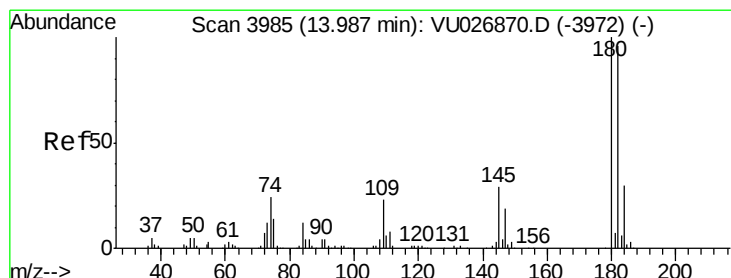
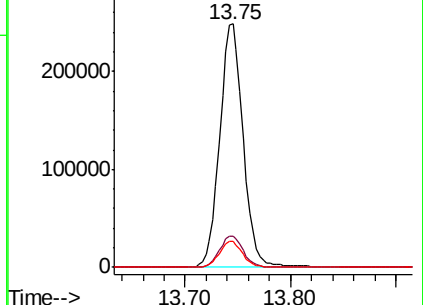
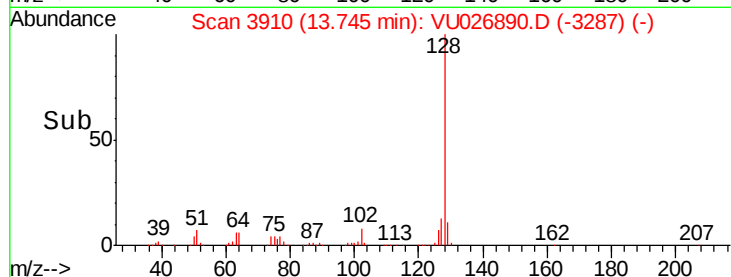
129 10.6 8.6 12.8



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: 56.834 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU026890.D

Acq: 19 Sep 2018 10:37

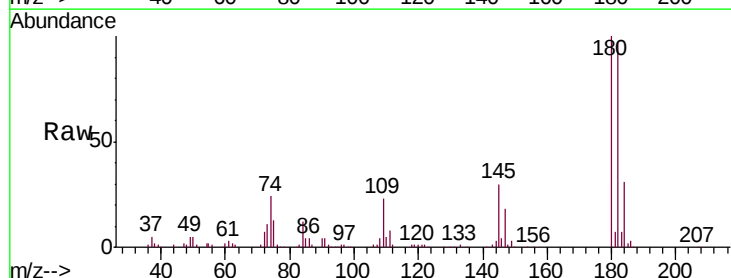
Tgt Ion:180 Resp: 147977

Ion Ratio Lower Upper

180 100

182 95.5 75.6 113.4

145 29.4 23.8 35.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

