

Data File : VU026842.D
Acq On : 17 Sep 2018 23:37
Operator : MD/SY
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

Quant Time: Sep 18 01:40:21 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 18 01:34:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	259503	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	249060	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	128332	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	90348	47.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.12%
7) Chloroethane-d5	1.68	69	78470	47.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.52%
11) 1,1-Dichloroethene-d2	2.27	63	172735	47.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.12%
21) 2-Butanone-d5	4.18	46	132129	103.72	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.72%
24) Chloroform-d	4.65	84	174855	49.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.31	65	109447	48.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.62%
32) Benzene-d6	5.34	84	350180	50.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.34%
36) 1,2-Dichloropropane-d6	6.33	67	112609	50.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.14%
41) Toluene-d8	7.57	98	322861	51.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.40%
43) trans-1,3-Dichloropropene-	7.85	79	49355	49.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.30%
47) 2-Hexanone-d5	8.31	63	97562	110.38	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.38%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	155909	49.72	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.44%
64) 1,2-Dichlorobenzene-d4	11.86	152	130750	48.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.96%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	116019	47.306	ug/L 99
3) Chloromethane	1.33	50	120442	48.145	ug/L 99
5) Vinyl chloride	1.40	62	119695	49.165	ug/L 99
6) Bromomethane	1.62	94	57832	48.095	ug/L 99
8) Chloroethane	1.69	64	73854	48.408	ug/L 97
9) Trichlorofluoromethane	1.88	101	146699	48.498	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	85413	47.668	ug/L 98
12) 1,1-Dichloroethene	2.28	96	81249	48.281	ug/L 98
13) Acetone	2.32	43	96081	76.735	ug/L 99
14) Carbon disulfide	2.48	76	270859	46.641	ug/L 99
15) Methyl Acetate	2.61	43	107970	49.769	ug/L 100
16) Methylene chloride	2.70	84	101327	47.366	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	88367	47.678	ug/L 99
18) Methyl tert-butyl Ether	3.00	73	273541	50.469	ug/L 100
19) 1,1-Dichloroethane	3.45	63	174310	48.761	ug/L 100
20) cis-1,2-Dichloroethene	4.23	96	99208	48.668	ug/L 98
22) 2-Butanone	4.26	43	149352	96.725	ug/L 99

Data File : VU026842.D
Acq On : 17 Sep 2018 23:37
Operator : MD/SY
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

Quant Time: Sep 18 01:40:21 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 18 01:34:58 2018
Response via : Initial Calibration

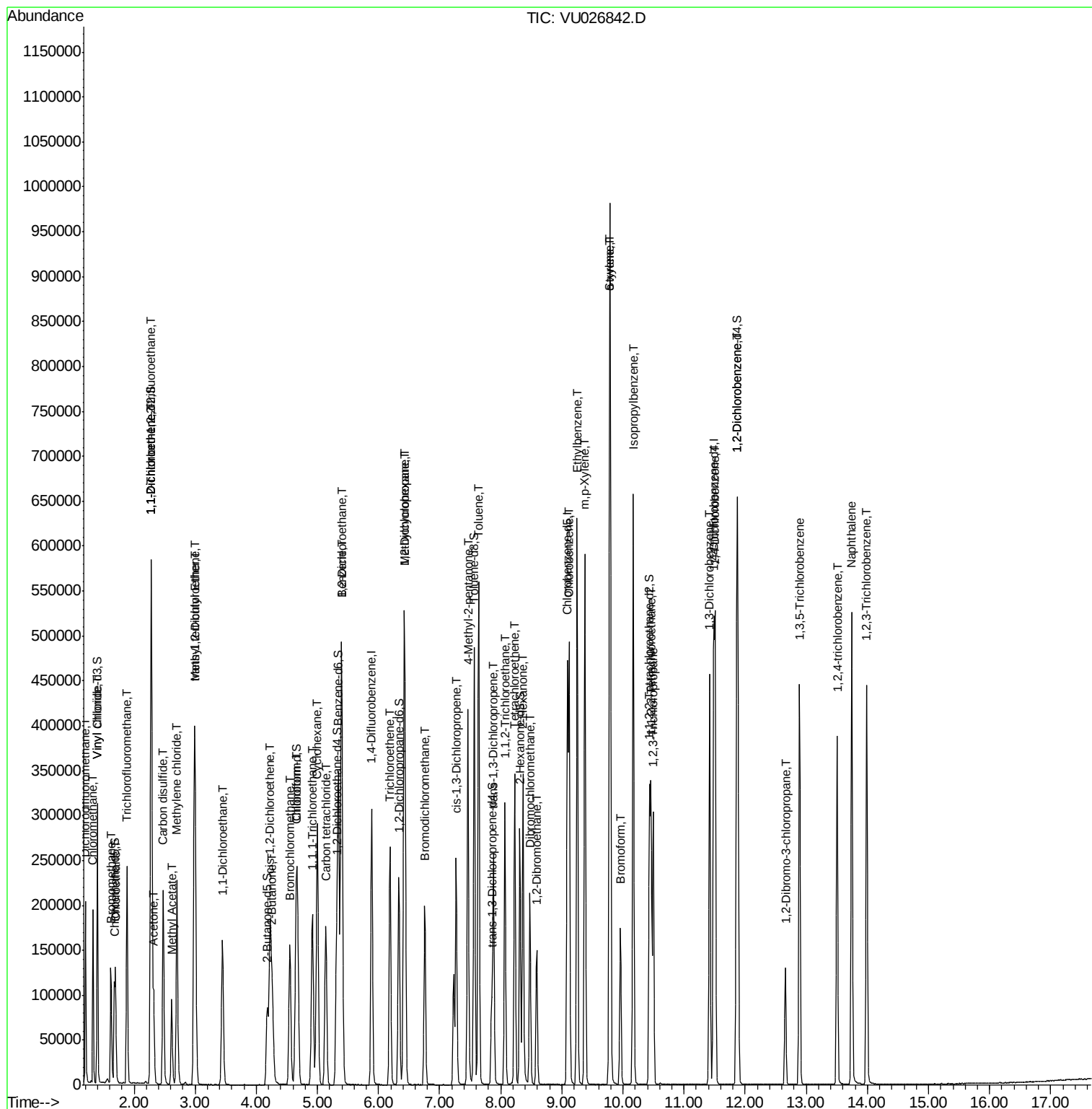
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	54204	49.248	ug/L	99
25) Chloroform	4.67	83	175195	48.386	ug/L	99
27) 1,2-Dichloroethane	5.40	62	138698	49.089	ug/L	100
29) Cyclohexane	5.00	56	151322	52.328	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	144737	48.848	ug/L	99
31) Carbon tetrachloride	5.14	117	130202	49.036	ug/L	99
33) Benzene	5.39	78	391337	50.679	ug/L	100
34) Trichloroethene	6.19	95	90791	48.998	ug/L	99
35) Methylcyclohexane	6.42	83	153604	50.854	ug/L	98
37) 1,2-Dichloropropane	6.43	63	107602	50.727	ug/L	99
38) Bromodichloromethane	6.76	83	130037	49.434	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	150047	50.076	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	270905	107.484	ug/L	99
42) Toluene	7.64	91	403607	51.650	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	140885	50.216	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	96449	49.873	ug/L	99
46) Tetrachloroethene	8.23	164	81265	49.473	ug/L	98
48) 2-Hexanone	8.36	43	214359	105.437	ug/L	99
49) Dibromochloromethane	8.48	129	108922	49.757	ug/L	98
50) 1,2-Dibromoethane	8.59	107	100157	49.678	ug/L	98
51) Chlorobenzene	9.12	112	257283	48.523	ug/L	99
52) Ethylbenzene	9.25	91	424208	51.825	ug/L	100
53) m,p-Xylene	9.38	106	166748	52.992	ug/L	98
54) o-xylene	9.78	106	162286	52.931	ug/L	96
55) Styrene	9.79	104	284056	53.663	ug/L	99
56) Isopropylbenzene	10.17	105	414224	52.891	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	161182	49.553	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	124735	49.092	ug/L	99
61) Bromoform	9.96	173	80237	47.545	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	189997	48.566	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	201514	46.779	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	212198	48.986	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	31862	48.484	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	146390	48.356	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	124225	47.618	ug/L	100
69) Naphthalene	13.74	128	410649	53.431	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	145897	50.785	ug/L	99

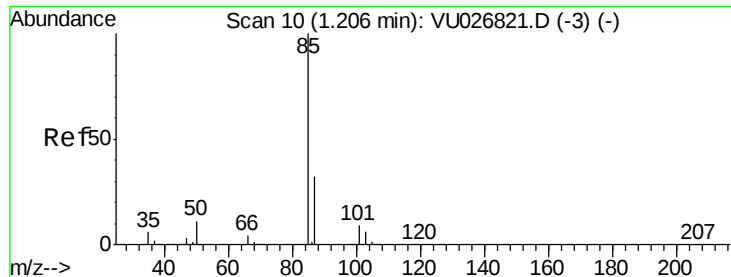
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU026842.D
Acq On : 17 Sep 2018 23:37
Operator : MD/SY
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

Quant Time: Sep 18 01:40:21 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 18 01:34:58 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 47.306 ug/L

RT: 1.20 min Scan# 9

Delta R.T. -0.00 min

Lab File: VU026842.D

Acq: 17 Sep 2018 23:37

Instrument :

MSVOA_U

ClientSampleId :

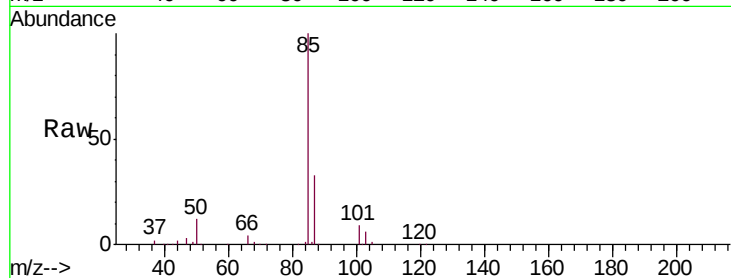
VSTD05045

Tgt Ion: 85 Resp: 116019

Ion Ratio Lower Upper

85 100

87 32.9 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

1.20

120000

100000

80000

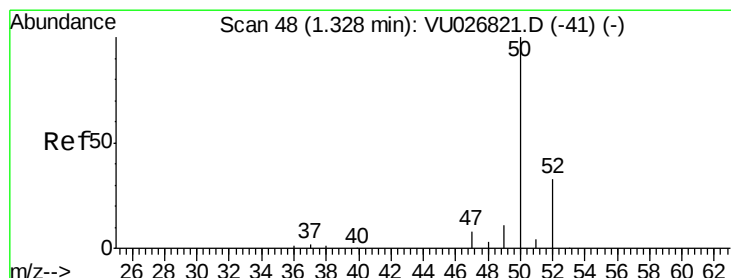
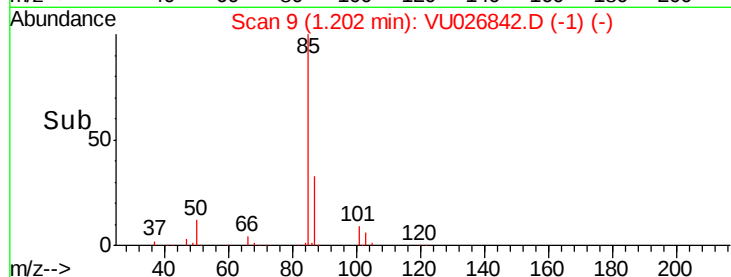
60000

40000

20000

0

Time--> 1.15 1.20 1.25



#3

Chloromethane

Concen: 48.145 ug/L

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU026842.D

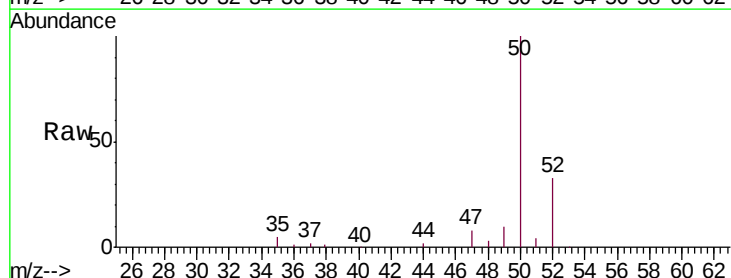
Acq: 17 Sep 2018 23:37

Tgt Ion: 50 Resp: 120442

Ion Ratio Lower Upper

50 100

52 33.0 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

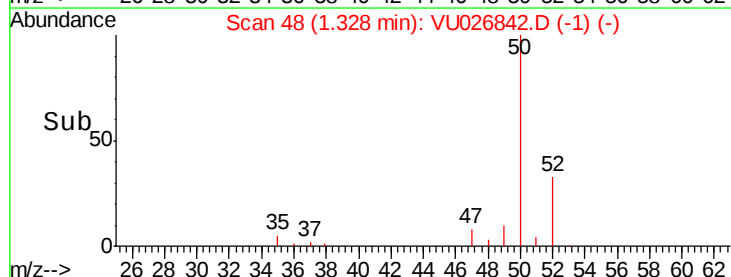
1.33

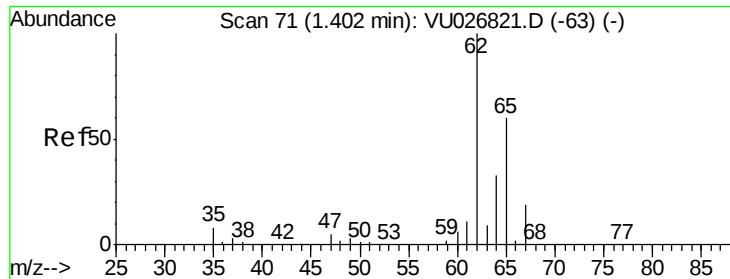
100000

50000

0

Time--> 1.30 1.35 1.40





#5

Vinyl chloride

Concen: 49.165 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU026842.D

Acq: 17 Sep 2018 23:37

Instrument :

MSVOA_U

ClientSampleId :

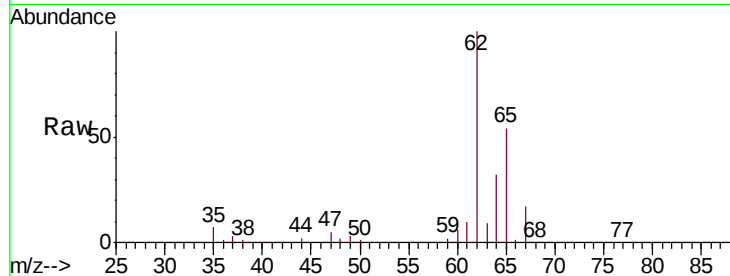
VSTD05045

Tgt Ion: 62 Resp: 119695

Ion Ratio Lower Upper

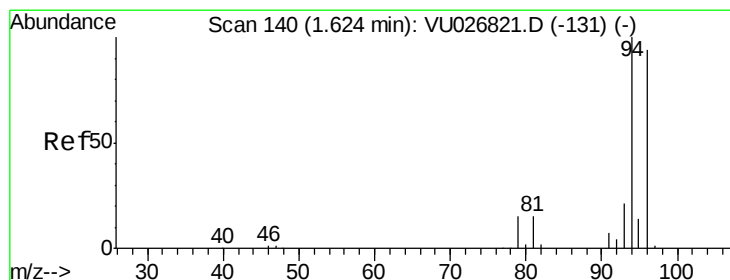
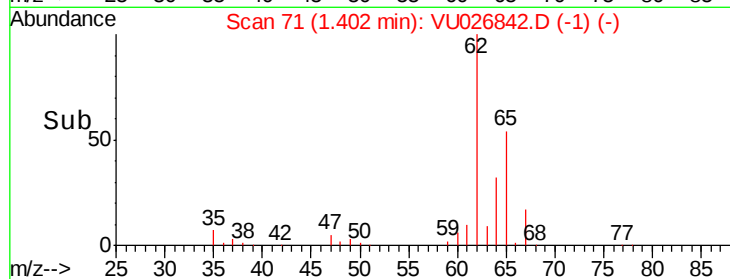
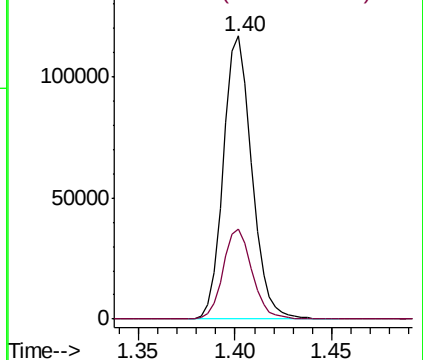
62 100

64 31.9 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 48.095 ug/L

RT: 1.62 min Scan# 139

Delta R.T. -0.00 min

Lab File: VU026842.D

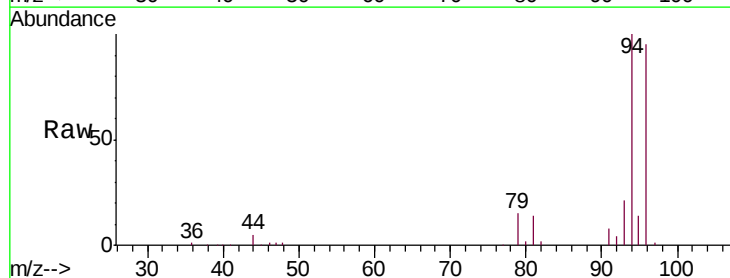
Acq: 17 Sep 2018 23:37

Tgt Ion: 94 Resp: 57832

Ion Ratio Lower Upper

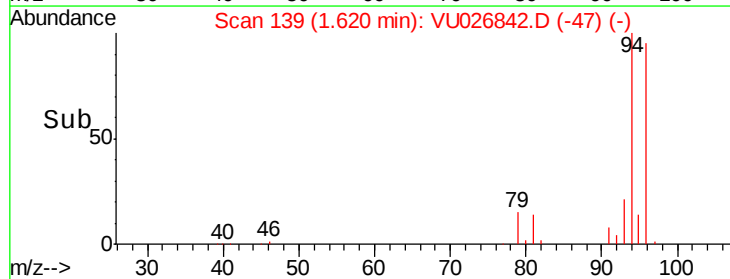
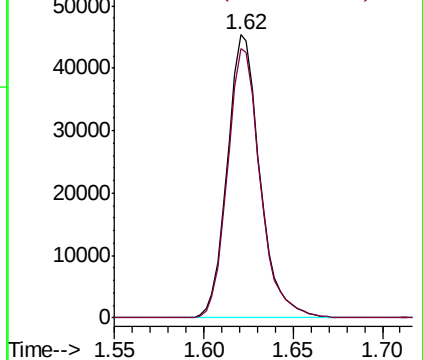
94 100

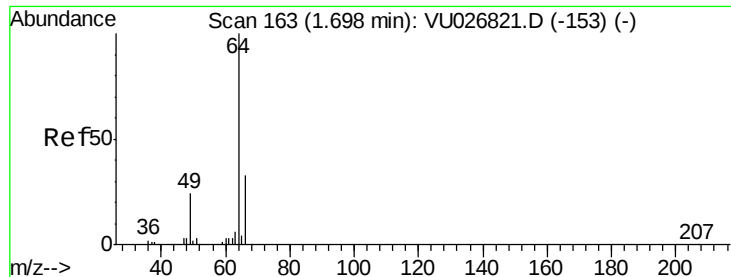
96 95.0 66.0 122.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 48.408 ug/L

RT: 1.69 min Scan# 162

Delta R.T. -0.00 min

Lab File: VU026842.D

Acq: 17 Sep 2018 23:37

Instrument :

MSVOA_U

ClientSampleId :

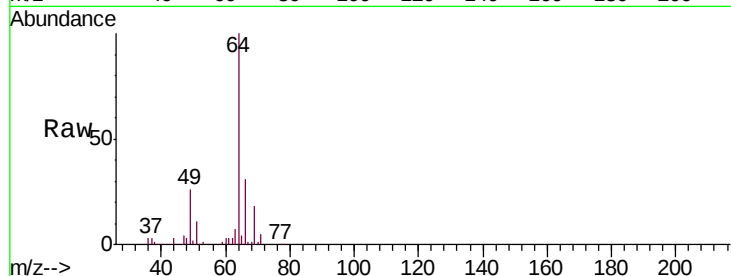
VSTD05045

Tgt Ion: 64 Resp: 73854

Ion Ratio Lower Upper

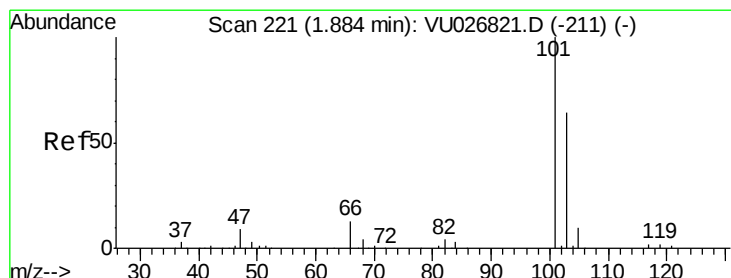
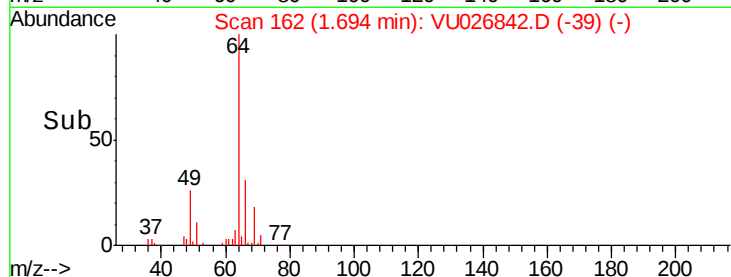
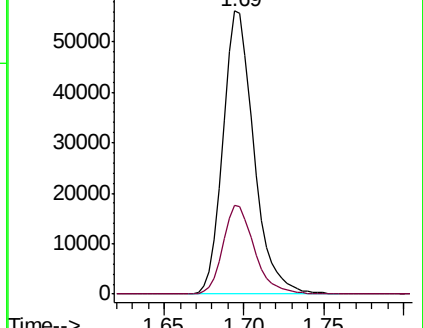
64 100

66 31.3 23.0 42.8



Abundance Ion 64.00 (63.70 to 64.70): VU026821.D (-153) (-)

Ion 66.00 (65.70 to 66.70): VU026821.D (-153) (-)



#9

Trichlorofluoromethane

Concen: 48.498 ug/L

RT: 1.88 min Scan# 221

Delta R.T. -0.00 min

Lab File: VU026842.D

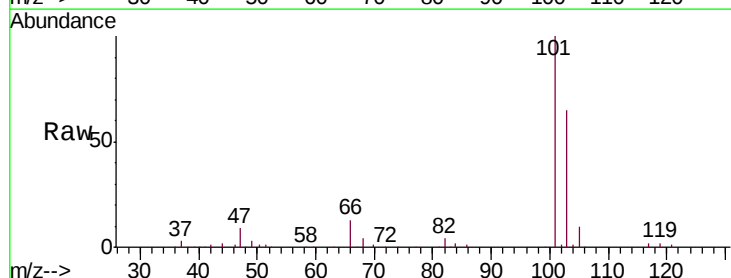
Acq: 17 Sep 2018 23:37

Tgt Ion: 101 Resp: 146699

Ion Ratio Lower Upper

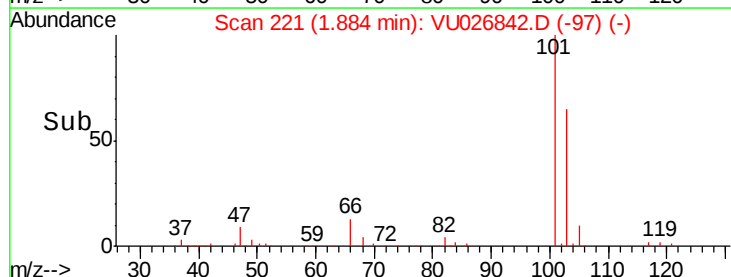
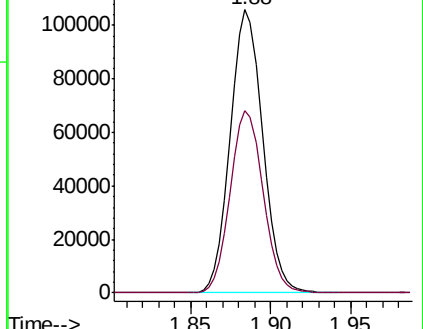
101 100

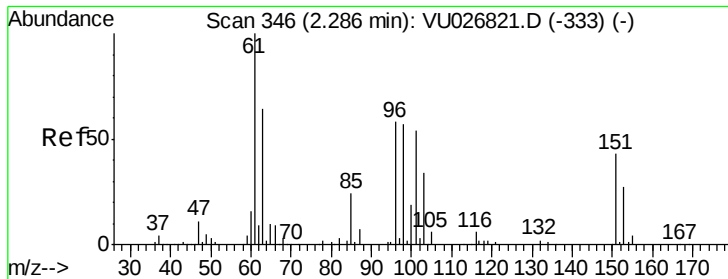
103 65.0 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VU026821.D (-211) (-)

Ion 103.00 (102.70 to 103.70): VU026821.D (-211) (-)





#10

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

Concen: 47.668 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU026842.D

Acq: 17 Sep 2018 23:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

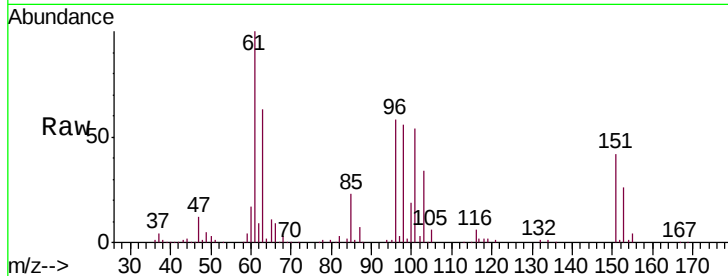
Tgt Ion:101 Resp: 85413

Ion Ratio Lower Upper

101 100

85 43.6 34.6 52.0

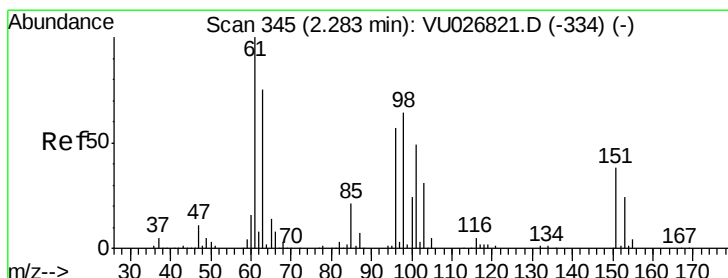
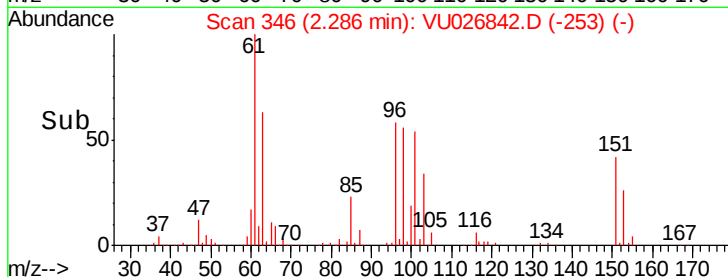
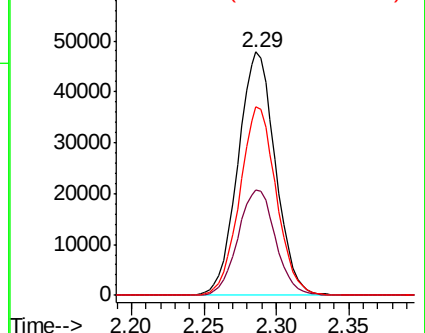
151 75.8 63.0 94.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 48.281 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU026842.D

Acq: 17 Sep 2018 23:37

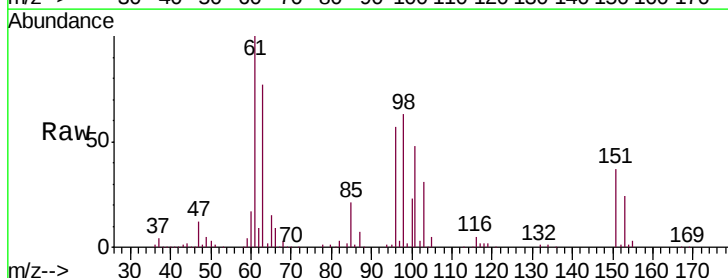
Tgt Ion: 96 Resp: 81249

Ion Ratio Lower Upper

96 100

61 175.6 124.0 230.4

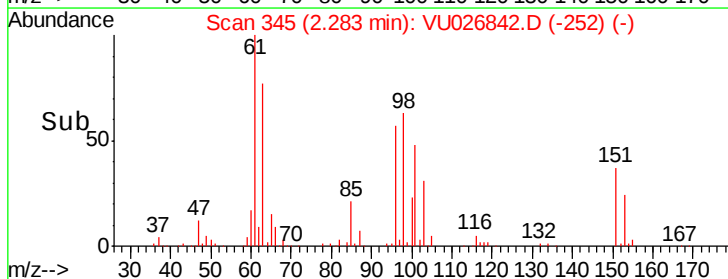
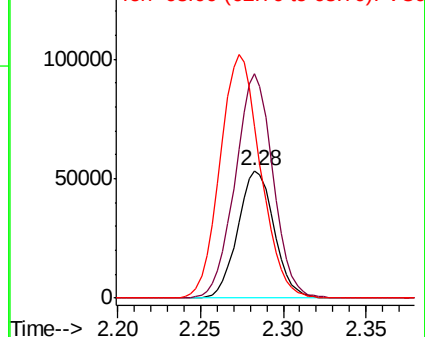
63 135.1 97.7 181.5

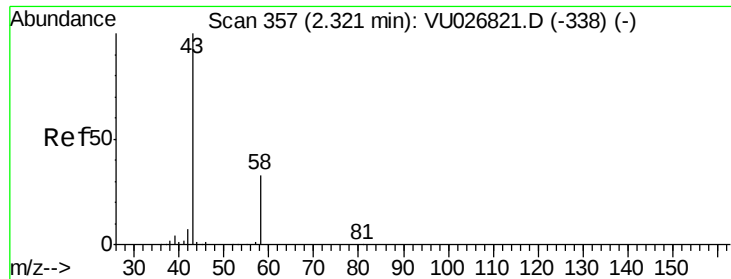


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 76.735 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU026842.D

Acq: 17 Sep 2018 23:37

Instrument :

MSVOA_U

ClientSampleId :

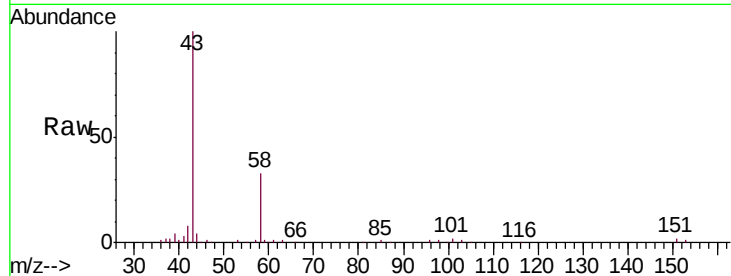
VSTD05045

Tgt Ion: 43 Resp: 96081

Ion Ratio Lower Upper

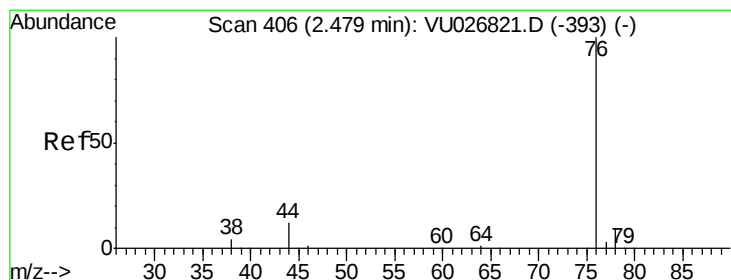
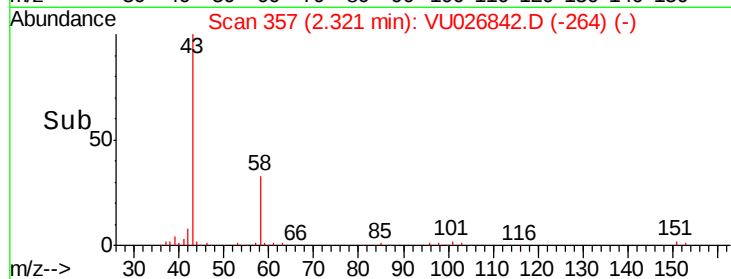
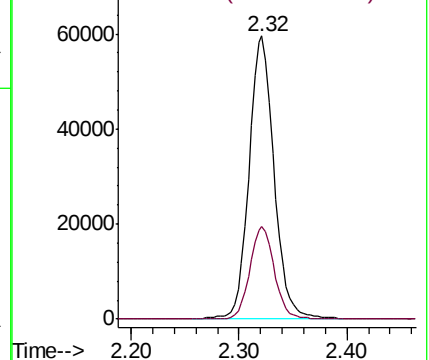
43 100

58 31.9 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: 46.641 ug/L

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU026842.D

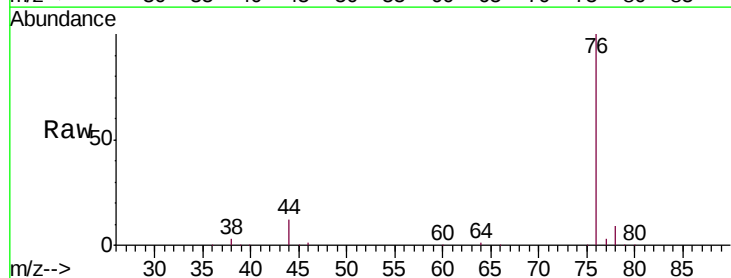
Acq: 17 Sep 2018 23:37

Tgt Ion: 76 Resp: 270859

Ion Ratio Lower Upper

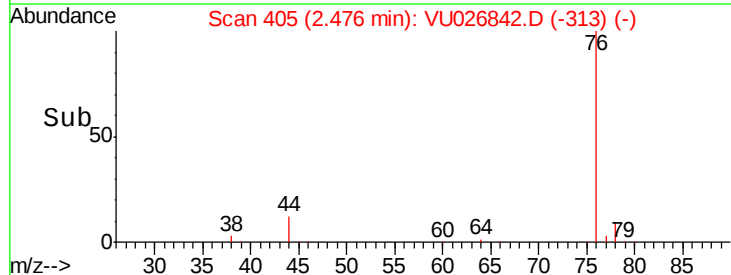
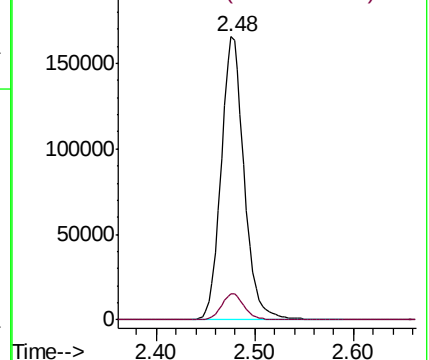
76 100

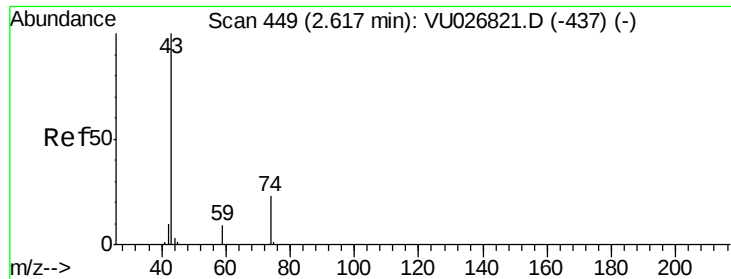
78 9.1 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

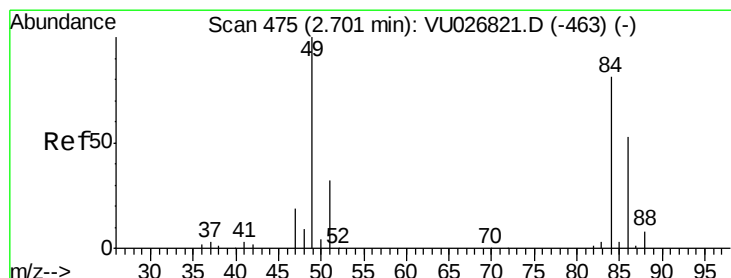
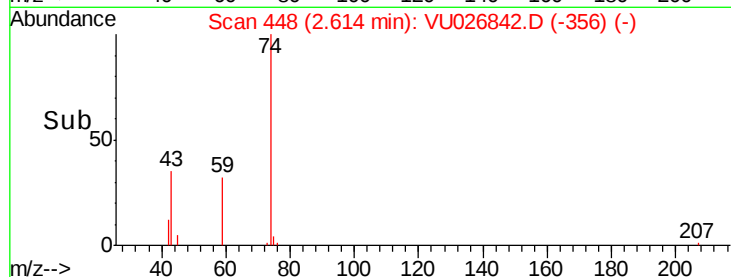
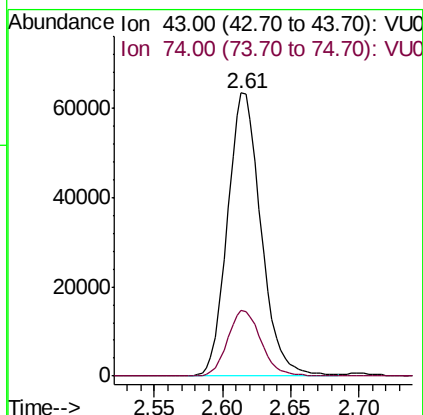
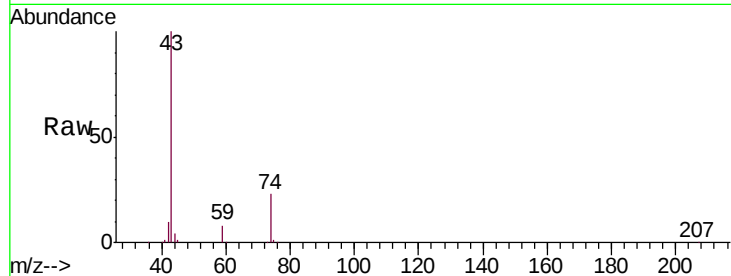




#15
Methyl Acetate
Concen: 49.769 ug/L
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU026842.D
Acq: 17 Sep 2018 23:37

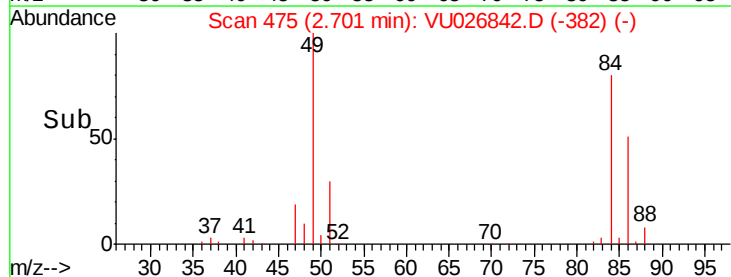
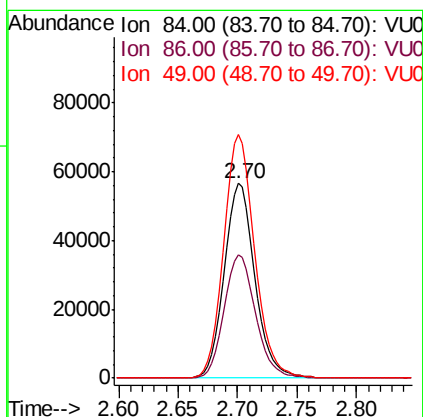
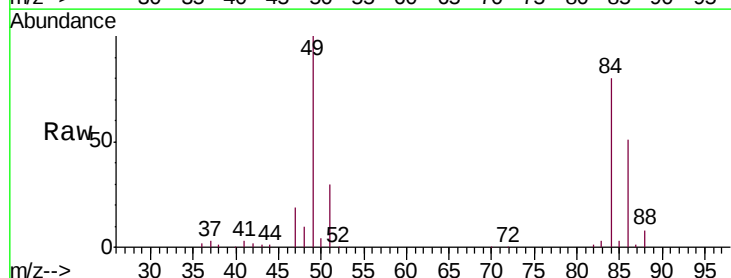
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

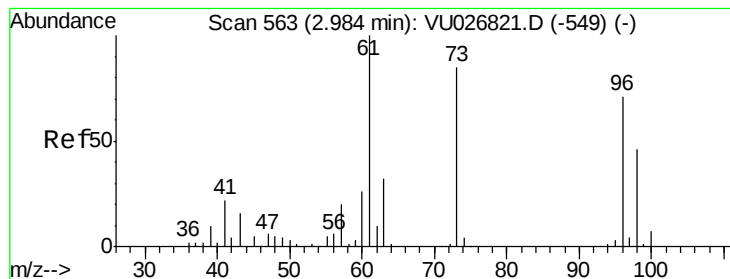
Tgt Ion: 43 Resp: 107970
Ion Ratio Lower Upper
43 100
74 23.3 18.7 28.1



#16
Methylene chloride
Concen: 47.366 ug/L
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU026842.D
Acq: 17 Sep 2018 23:37

Tgt Ion: 84 Resp: 101327
Ion Ratio Lower Upper
84 100
86 63.6 45.3 84.1
49 125.1 86.2 160.2





#17

trans-1,2-Dichloroethene

Concen: 47.678 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU026842.D

Acq: 17 Sep 2018 23:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

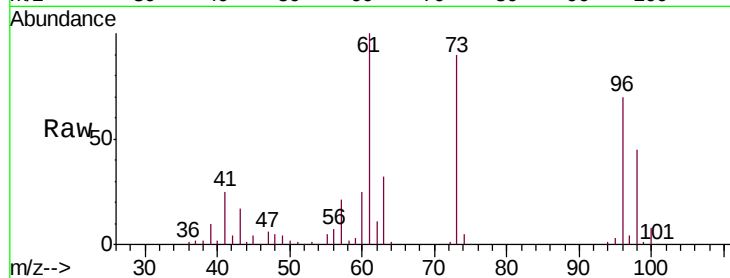
Tgt Ion: 96 Resp: 88367

Ion Ratio Lower Upper

96 100

61 142.6 98.7 183.3

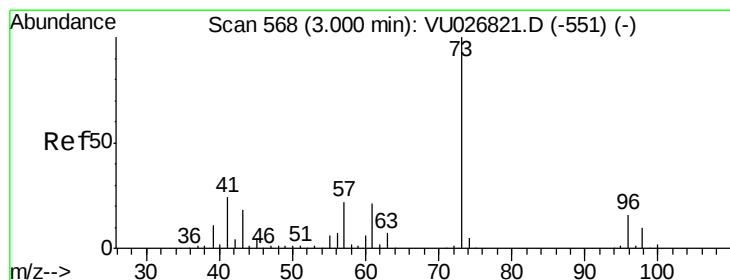
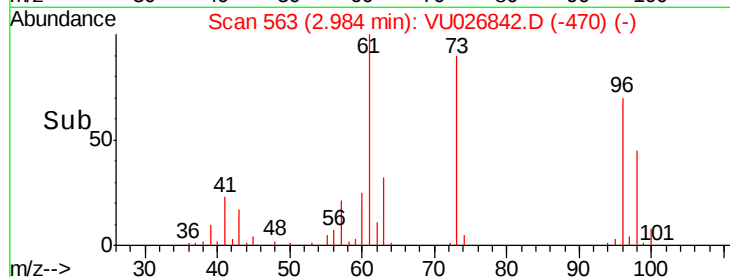
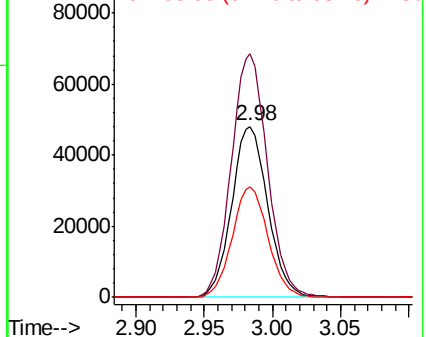
98 64.4 45.2 84.0



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: 50.469 ug/L

RT: 3.00 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU026842.D

Acq: 17 Sep 2018 23:37

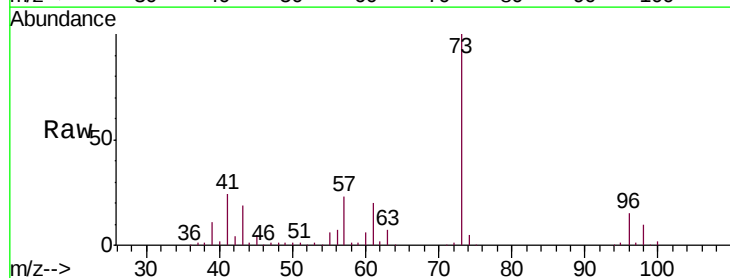
Tgt Ion: 73 Resp: 273541

Ion Ratio Lower Upper

73 100

43 19.0 15.3 22.9

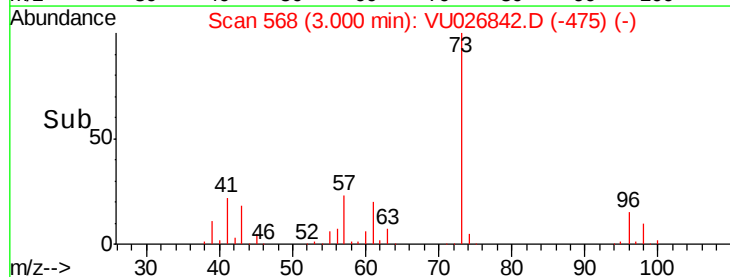
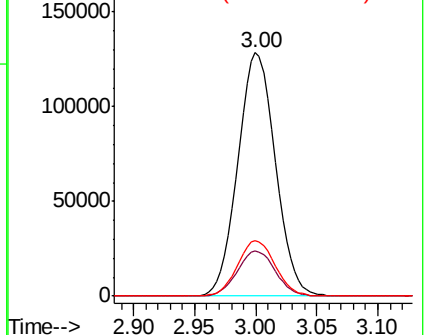
57 22.9 18.1 27.1

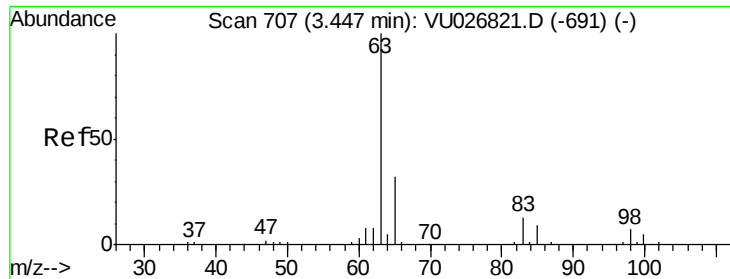


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

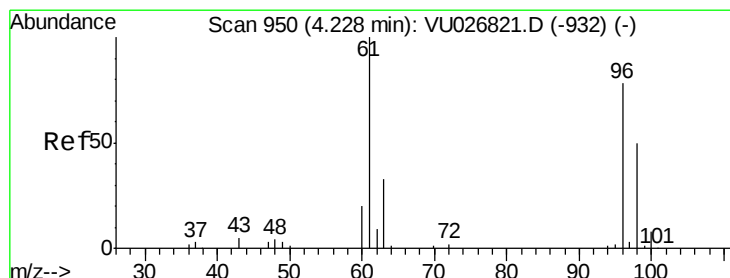
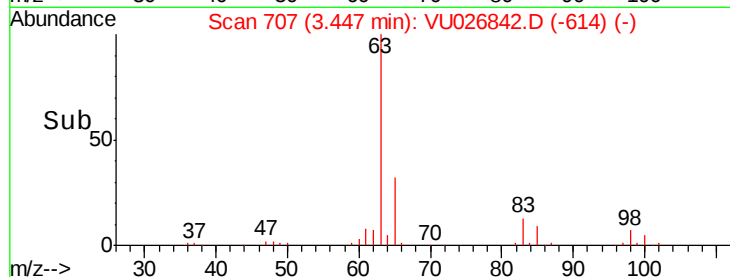
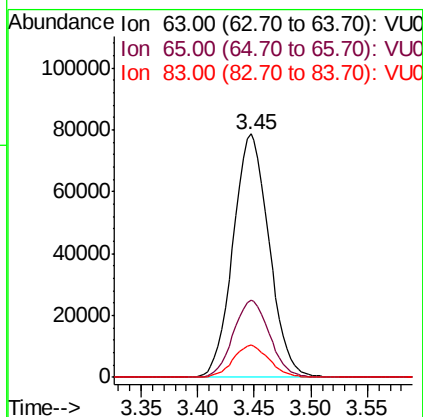
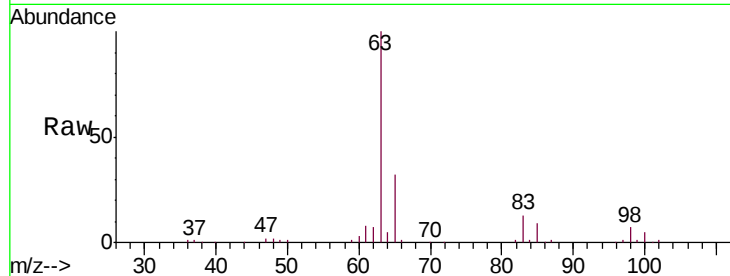




#19
 1,1-Dichloroethane
 Concen: 48.761 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU026842.D
 Acq: 17 Sep 2018 23:37

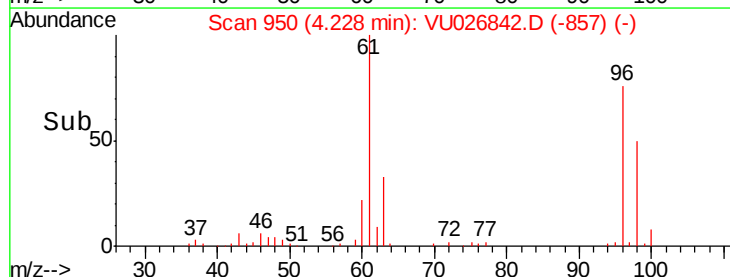
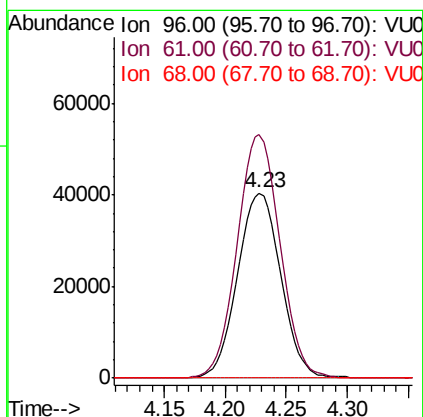
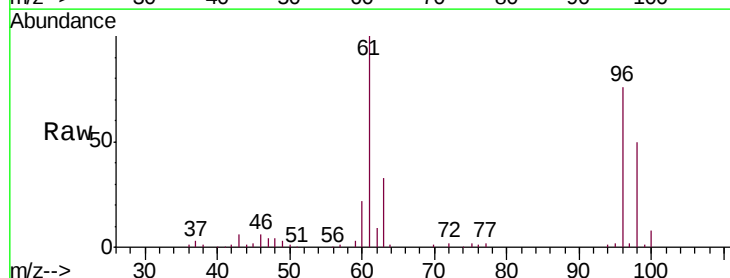
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

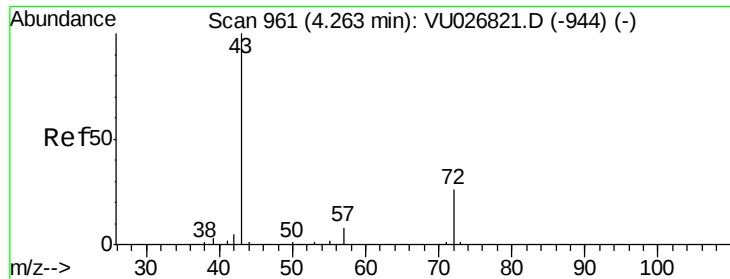
Tgt Ion: 63 Resp: 174310
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.1 41.1
 83 13.2 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 48.668 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU026842.D
 Acq: 17 Sep 2018 23:37

Tgt Ion: 96 Resp: 99208
 Ion Ratio Lower Upper
 96 100
 61 131.7 90.2 167.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 96.725 ug/L

RT: 4.26 min Scan# 961

Delta R.T. -0.00 min

Lab File: VU026842.D

Acq: 17 Sep 2018 23:37

Instrument :

MSVOA_U

ClientSampleId :

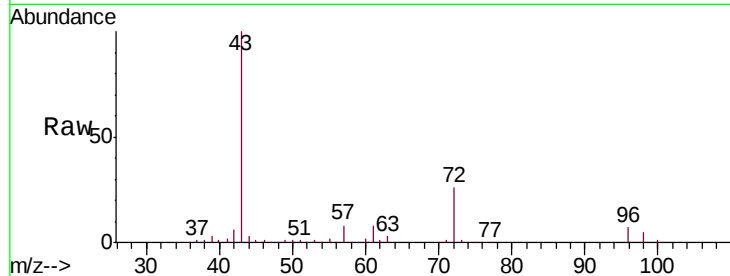
VSTD05045

Tgt Ion: 43 Resp: 149352

Ion Ratio Lower Upper

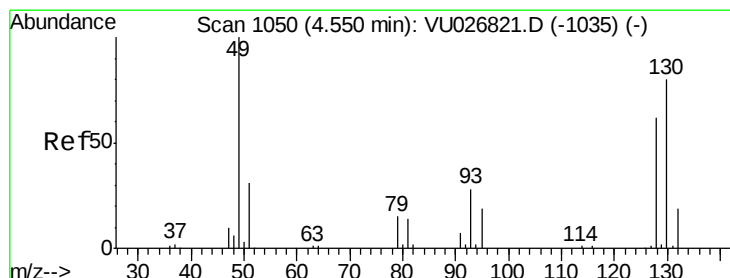
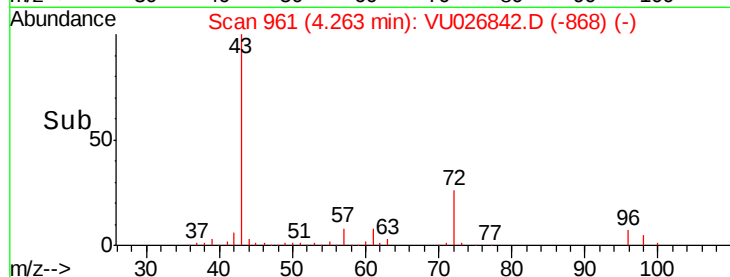
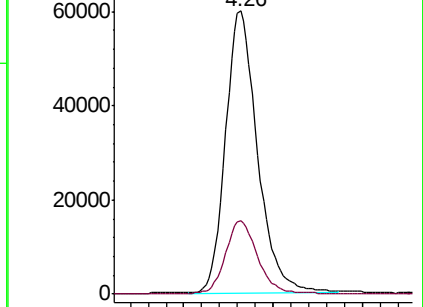
43 100

72 26.2 13.3 39.9



Abundance Ion 43.00 (42.70 to 43.70): VU026842.D (-868) (-)

Ion 72.00 (71.70 to 72.70): VU026842.D (-868) (-)



#23

Bromochloromethane

Concen: 49.248 ug/L

RT: 4.55 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU026842.D

Acq: 17 Sep 2018 23:37

Tgt Ion: 128 Resp: 54204

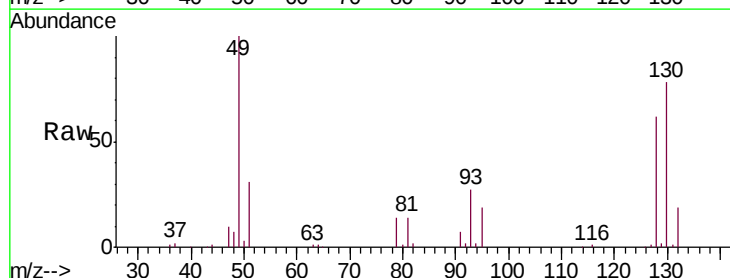
Ion Ratio Lower Upper

128 100

49 162.3 113.0 209.8

130 126.0 89.7 166.5

51 51.0 39.7 59.5

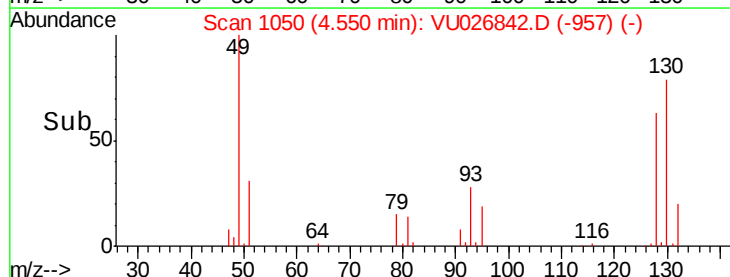
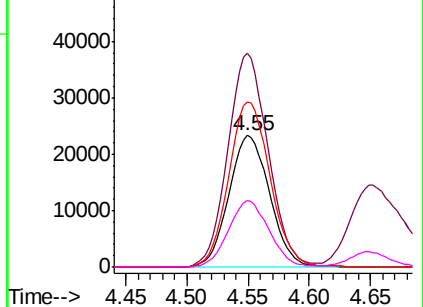


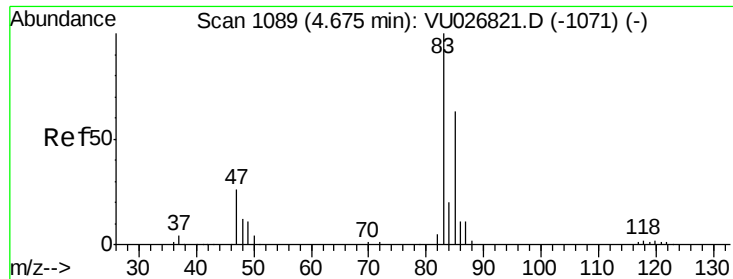
Abundance Ion 128.00 (127.70 to 128.70): VU026842.D (-957) (-)

Ion 49.00 (48.70 to 49.70): VU026842.D (-957) (-)

Ion 130.00 (129.70 to 130.70): VU026842.D (-957) (-)

Ion 51.00 (50.70 to 51.70): VU026842.D (-957) (-)

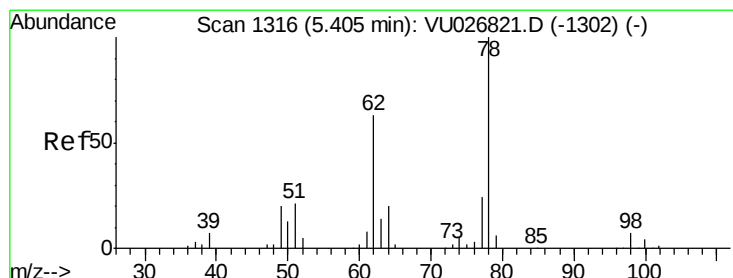
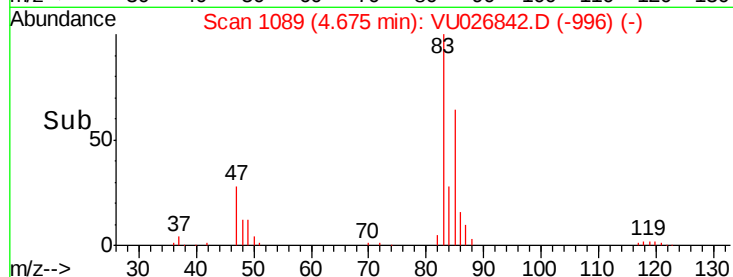
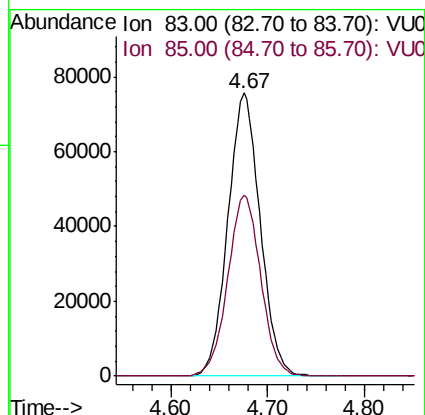
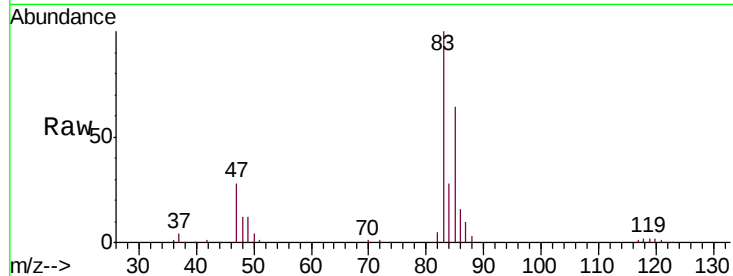




#25
Chloroform
Concen: 48.386 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU026842.D
Acq: 17 Sep 2018 23:37

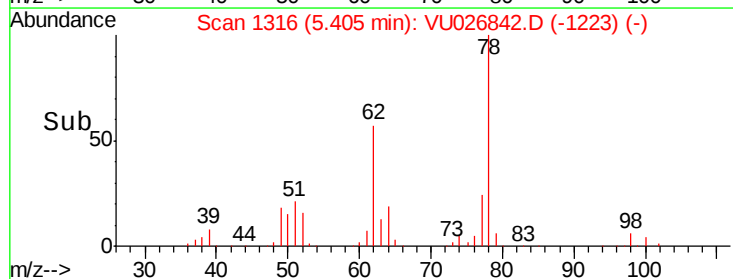
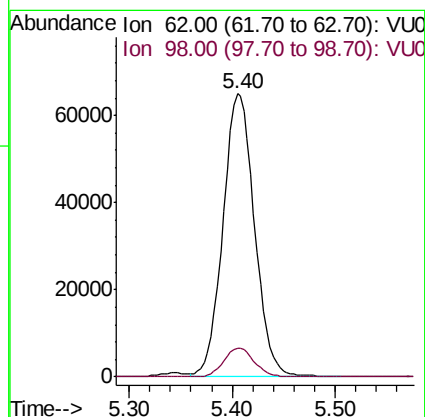
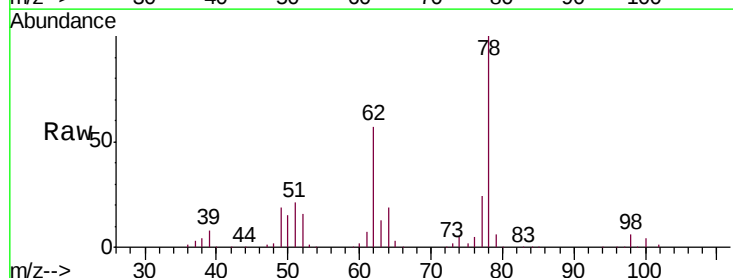
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

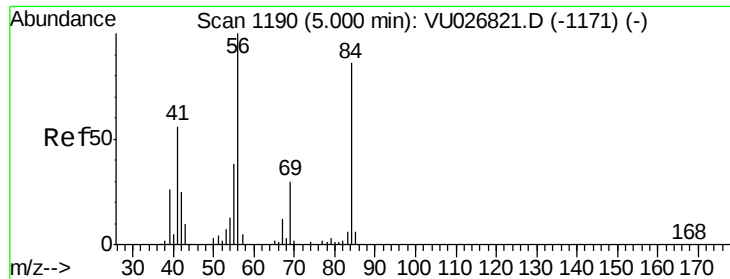
Tgt Ion: 83 Resp: 175195
Ion Ratio Lower Upper
83 100
85 64.0 44.4 82.5



#27
1,2-Dichloroethane
Concen: 49.089 ug/L
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU026842.D
Acq: 17 Sep 2018 23:37

Tgt Ion: 62 Resp: 138698
Ion Ratio Lower Upper
62 100
98 10.1 8.2 12.4

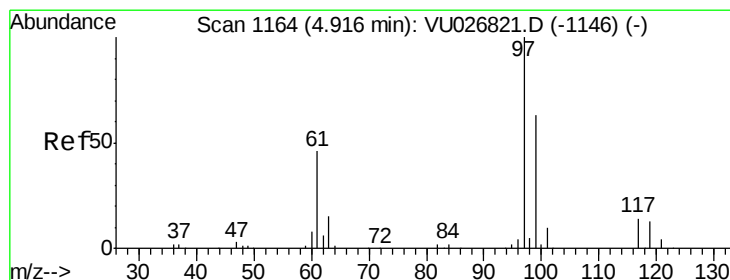
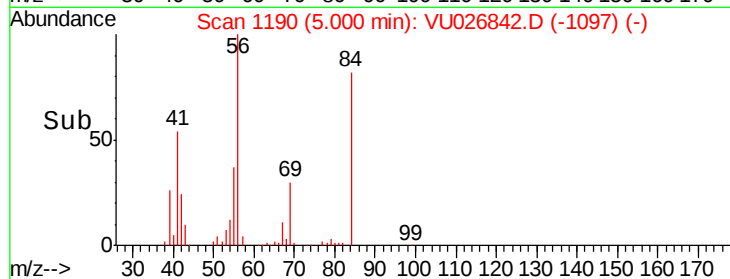
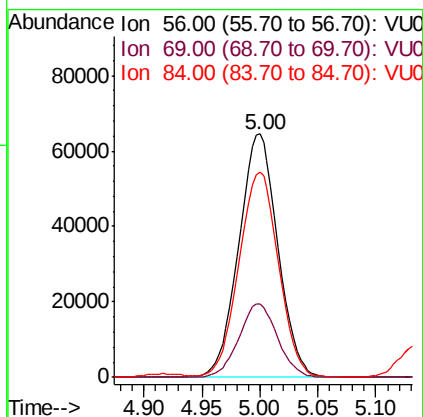
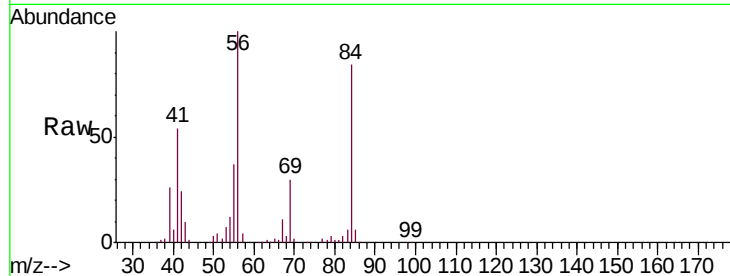




#29
Cyclohexane
Concen: 52.328 ug/L
RT: 5.00 min Scan# 1190
Delta R.T. -0.00 min
Lab File: VU026842.D
Acq: 17 Sep 2018 23:37

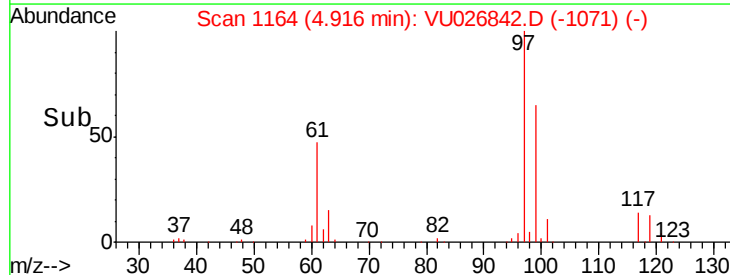
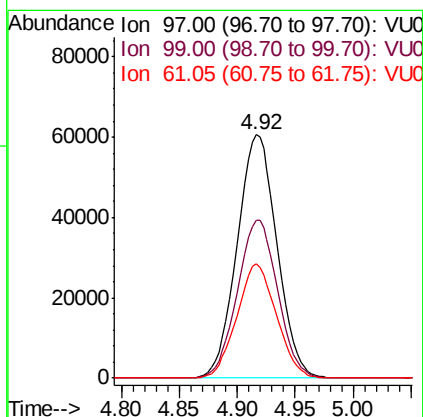
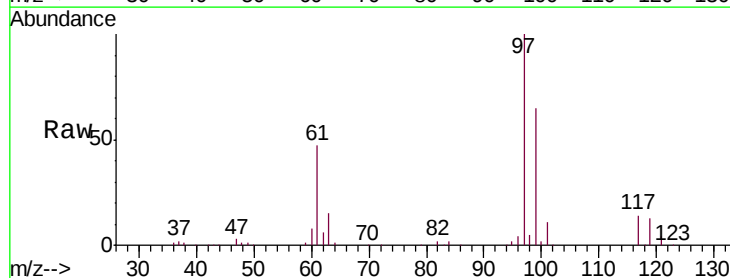
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

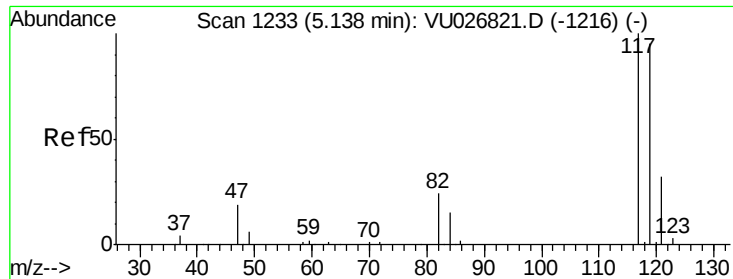
Tgt Ion: 56 Resp: 151322
Ion Ratio Lower Upper
56 100
69 29.8 23.7 35.5
84 85.6 69.0 103.4



#30
1,1,1-Trichloroethane
Concen: 48.848 ug/L
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU026842.D
Acq: 17 Sep 2018 23:37

Tgt Ion: 97 Resp: 144737
Ion Ratio Lower Upper
97 100
99 65.5 51.8 77.8
61 46.6 36.6 54.8

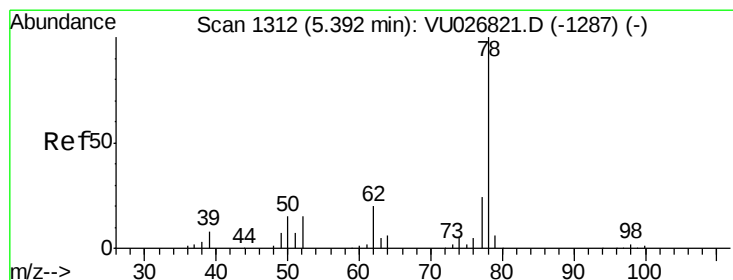
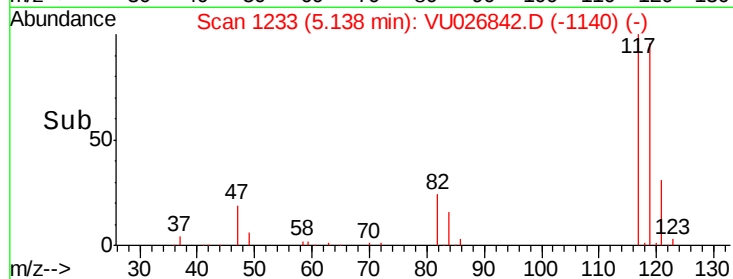
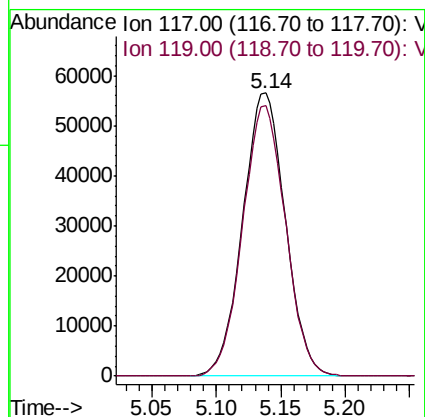
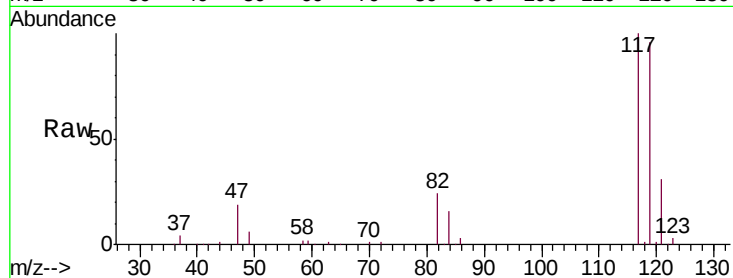




#31
Carbon tetrachloride
Concen: 49.036 ug/L
RT: 5.14 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VU026842.D
Acq: 17 Sep 2018 23:37

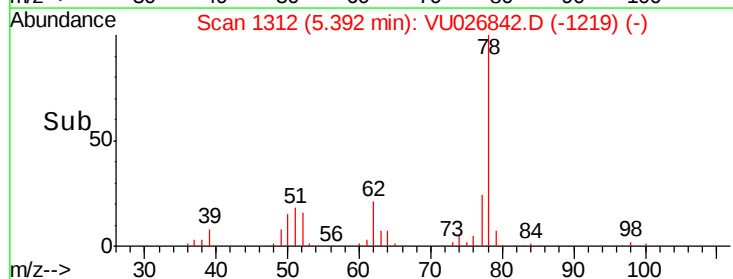
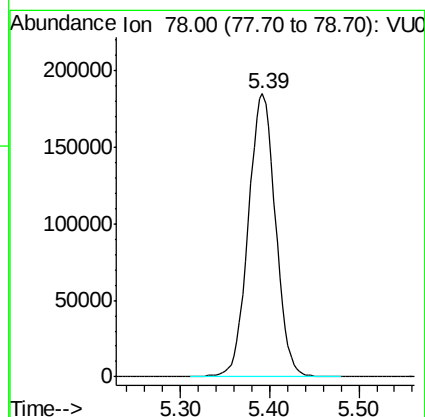
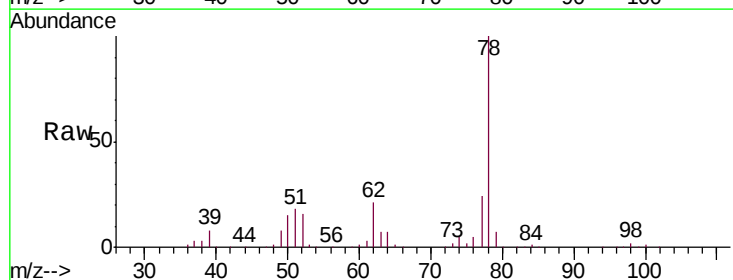
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

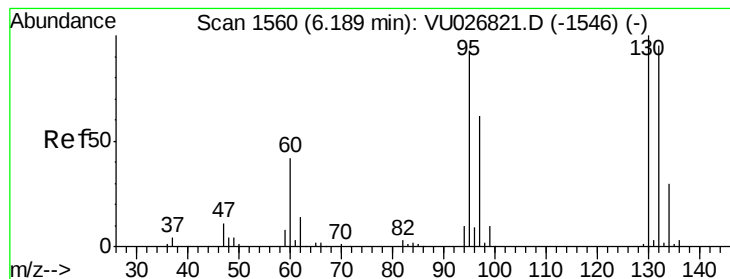
Tgt Ion:117 Resp: 130202
Ion Ratio Lower Upper
117 100
119 96.0 76.3 114.5



#33
Benzene
Concen: 50.679 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU026842.D
Acq: 17 Sep 2018 23:37

Tgt Ion: 78 Resp: 391337





#34

Trichloroethene

Concen: 48.998 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. -0.00 min

Lab File: VU026842.D

Acq: 17 Sep 2018 23:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

Tgt Ion: 95 Resp: 90791

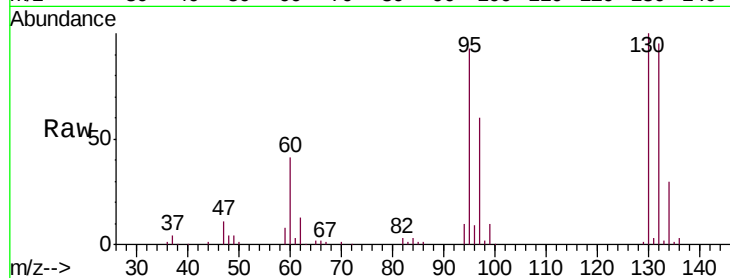
Ion Ratio Lower Upper

95 100

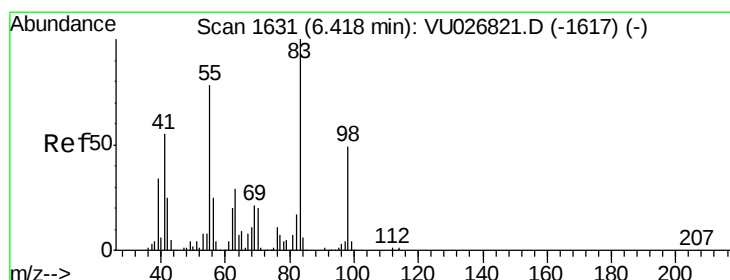
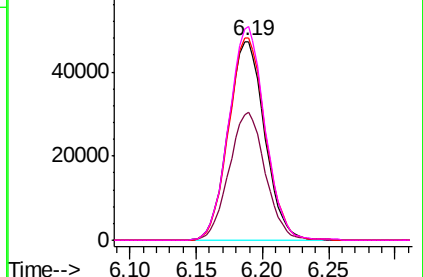
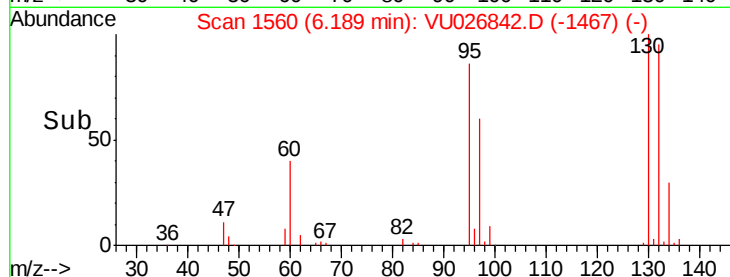
97 64.1 46.3 85.9

132 101.9 71.7 133.1

130 107.5 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: 50.854 ug/L

RT: 6.42 min Scan# 1631

Delta R.T. -0.00 min

Lab File: VU026842.D

Acq: 17 Sep 2018 23:37

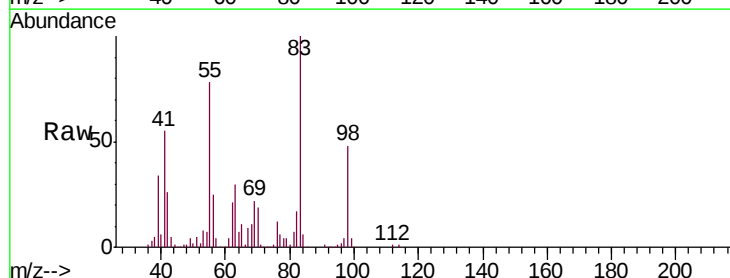
Tgt Ion: 83 Resp: 153604

Ion Ratio Lower Upper

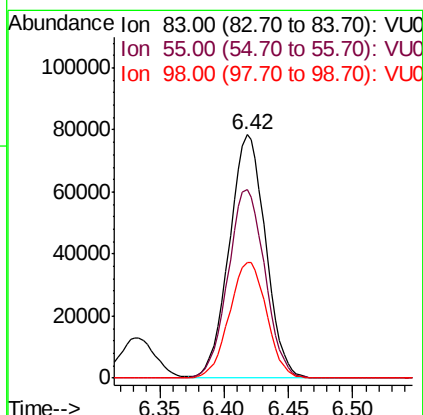
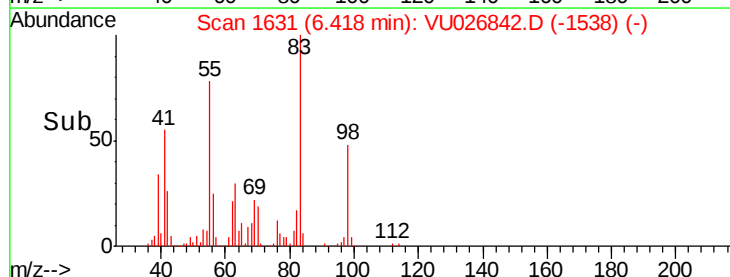
83 100

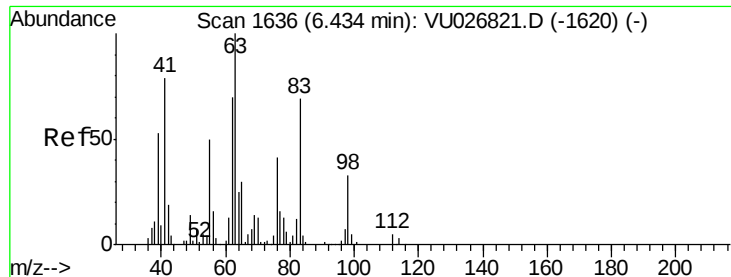
55 78.8 61.7 92.5

98 48.8 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: 50.727 ug/L

RT: 6.43 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VU026842.D

Acq: 17 Sep 2018 23:37

Instrument :

MSVOA_U

ClientSampleId :

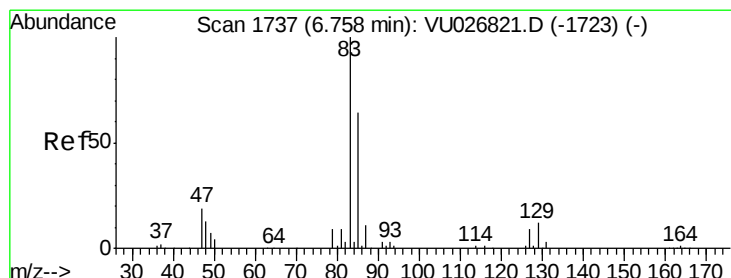
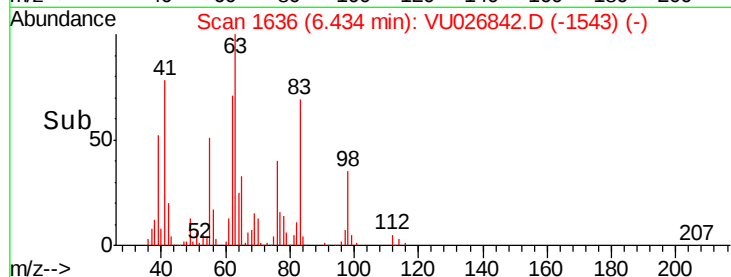
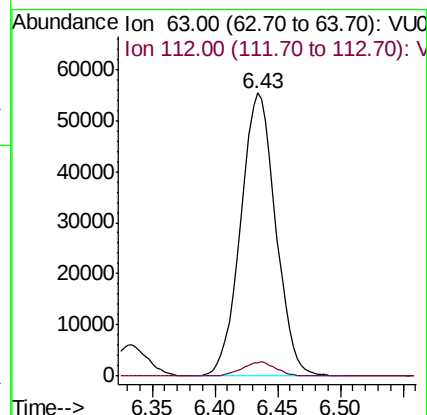
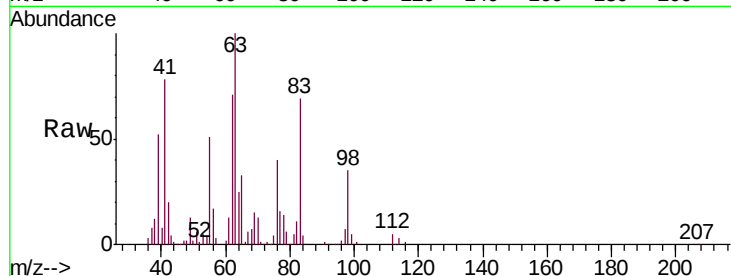
VSTD05045

Tgt Ion: 63 Resp: 107602

Ion Ratio Lower Upper

63 100

112 4.8 3.7 5.5



#38

Bromodichloromethane

Concen: 49.434 ug/L

RT: 6.76 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VU026842.D

Acq: 17 Sep 2018 23:37

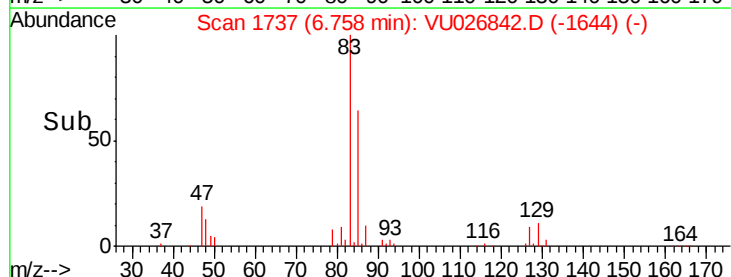
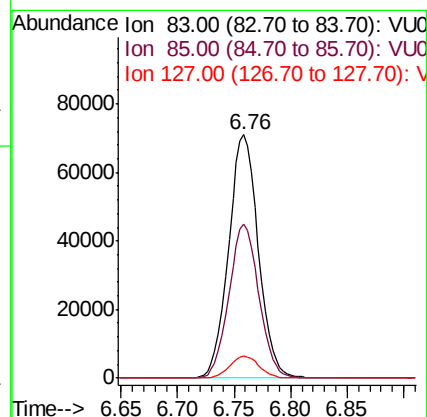
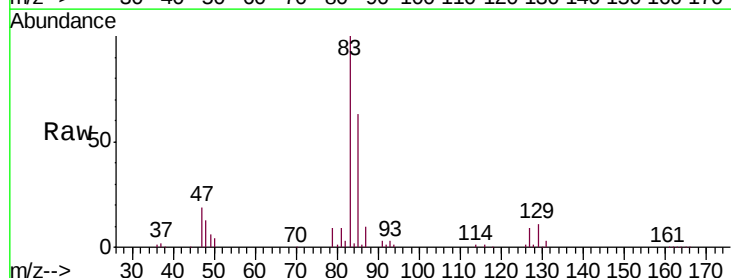
Tgt Ion: 83 Resp: 130037

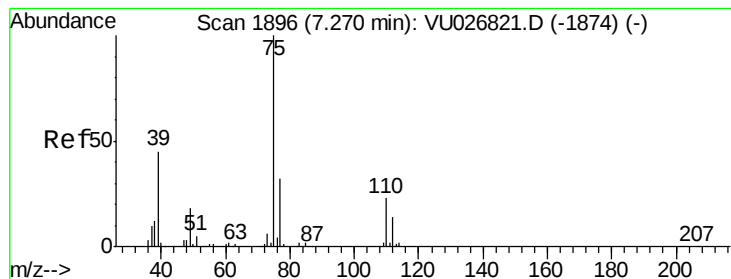
Ion Ratio Lower Upper

83 100

85 63.3 44.5 82.7

127 8.9 6.9 10.3



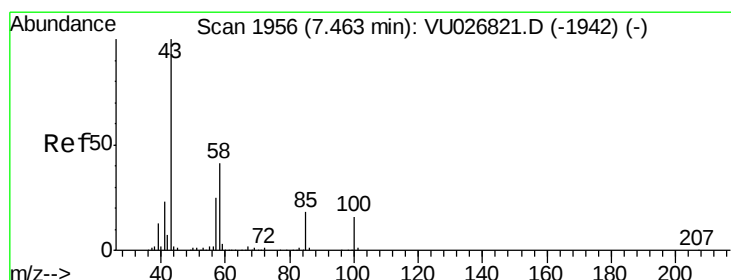
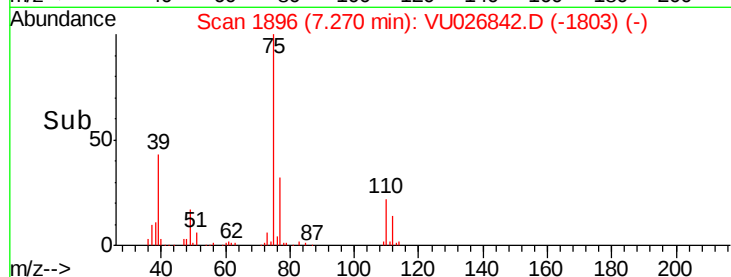
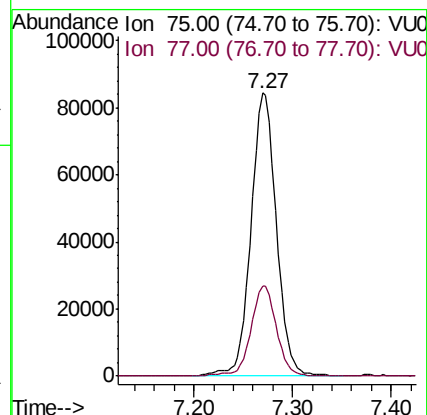
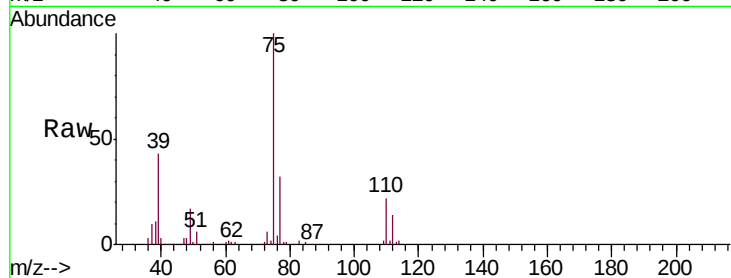


#39

cis-1,3-Dichloropropene
 Concen: 50.076 ug/L
 RT: 7.27 min Scan# 1896
 Delta R.T. -0.00 min
 Lab File: VU026842.D
 Acq: 17 Sep 2018 23:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

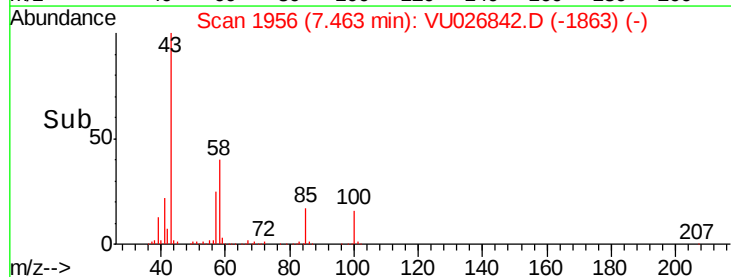
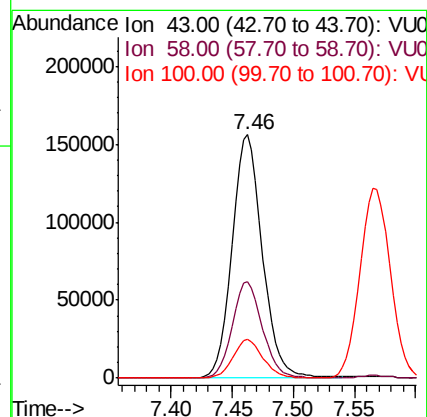
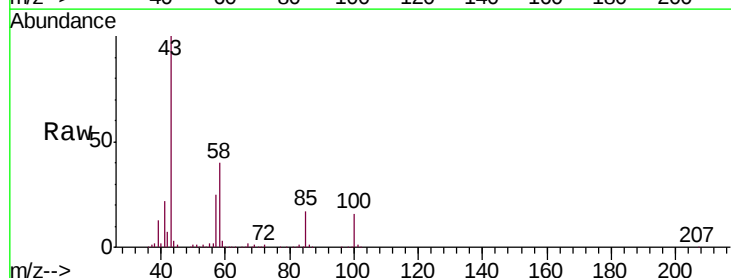
Tgt Ion: 75 Resp: 150047
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.1 41.1

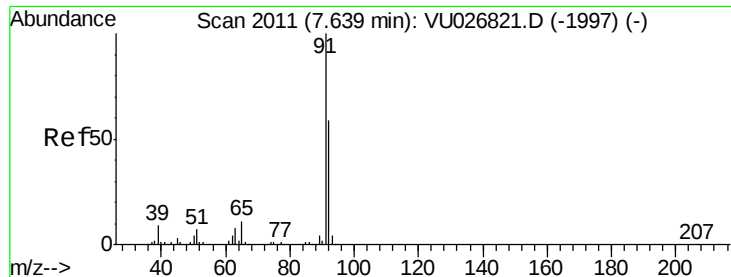


#40

4-Methyl-2-pentanone
 Concen: 107.484 ug/L
 RT: 7.46 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VU026842.D
 Acq: 17 Sep 2018 23:37

Tgt Ion: 43 Resp: 270905
 Ion Ratio Lower Upper
 43 100
 58 39.5 32.0 48.0
 100 15.6 12.6 19.0





#42

Toluene

Concen: 51.650 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU026842.D

Acq: 17 Sep 2018 23:37

Instrument :

MSVOA_U

ClientSampleId :

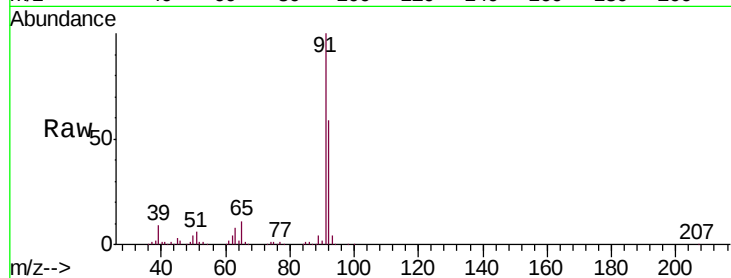
VSTD05045

Tgt Ion: 91 Resp: 403607

Ion Ratio Lower Upper

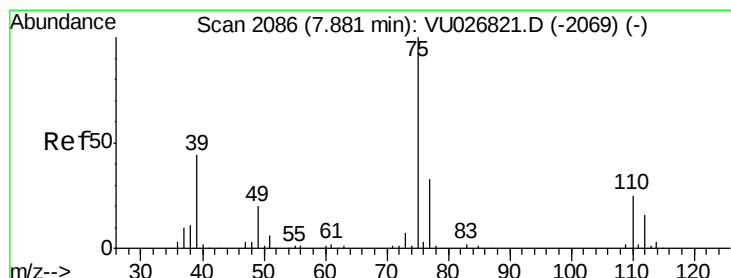
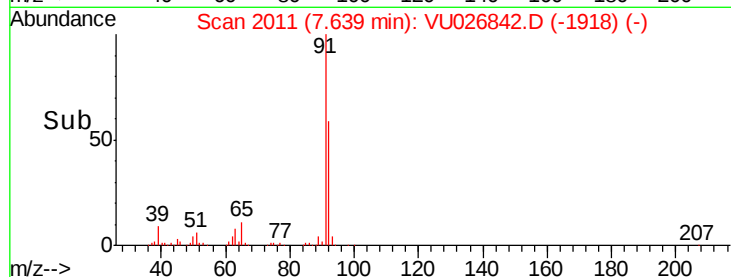
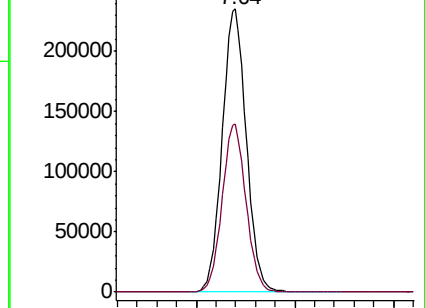
91 100

92 59.2 40.9 76.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 50.216 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VU026842.D

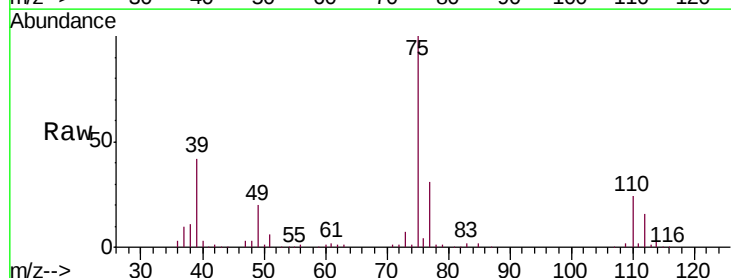
Acq: 17 Sep 2018 23:37

Tgt Ion: 75 Resp: 140885

Ion Ratio Lower Upper

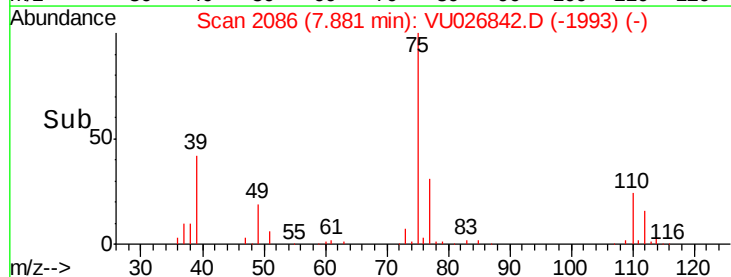
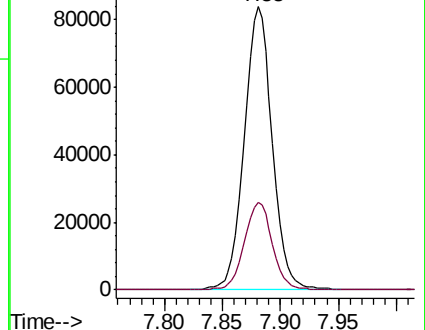
75 100

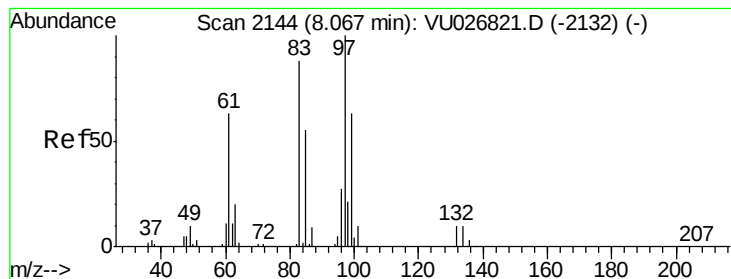
77 30.9 22.8 42.4



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#45

1,1,2-Trichloroethane

Concen: 49.873 ug/L

RT: 8.07 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU026842.D

Acq: 17 Sep 2018 23:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

Tgt Ion: 97 Resp: 96449

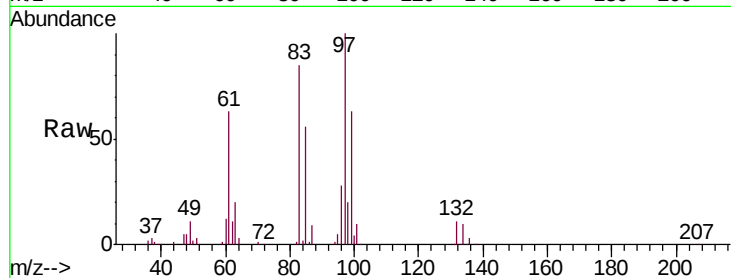
Ion Ratio Lower Upper

97 100

99 63.3 44.3 82.3

83 85.5 61.5 114.1

85 56.0 38.6 71.6

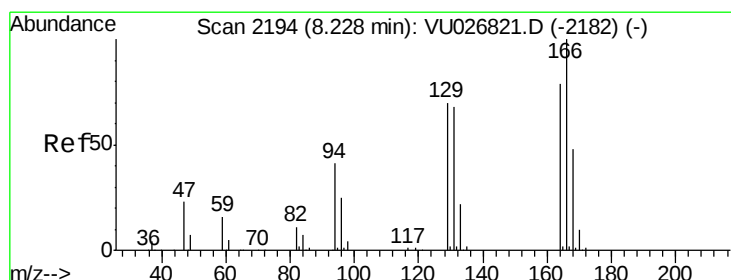
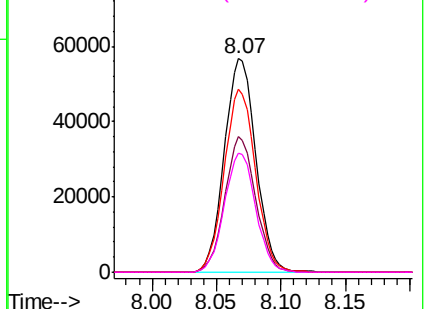
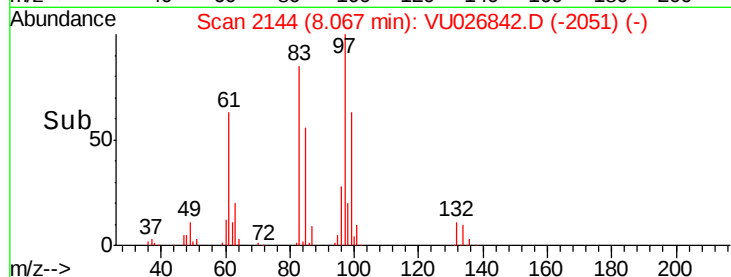


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 49.473 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VU026842.D

Acq: 17 Sep 2018 23:37

Tgt Ion: 164 Resp: 81265

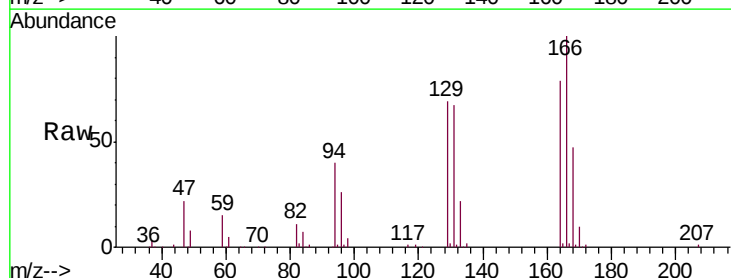
Ion Ratio Lower Upper

164 100

129 87.4 62.2 115.4

131 83.8 60.5 112.5

166 125.8 89.0 165.2

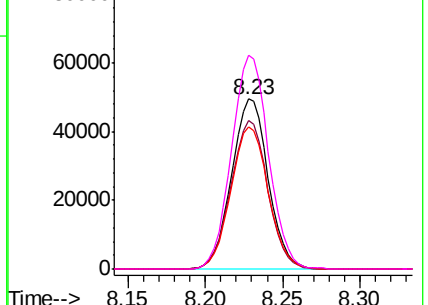
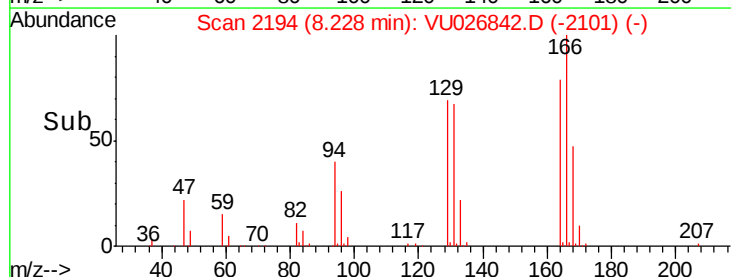


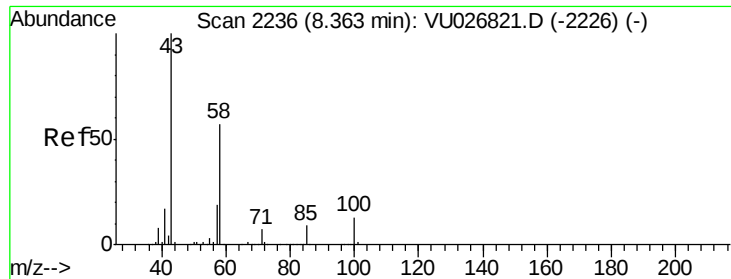
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

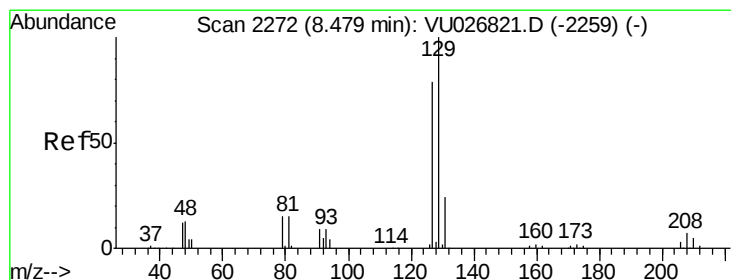
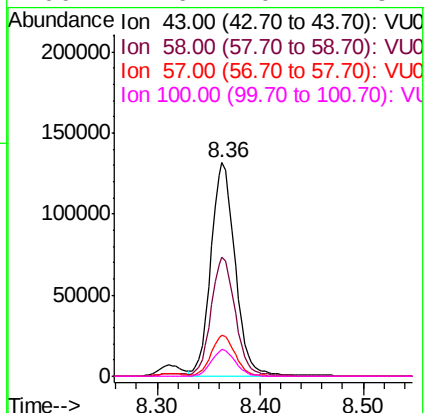
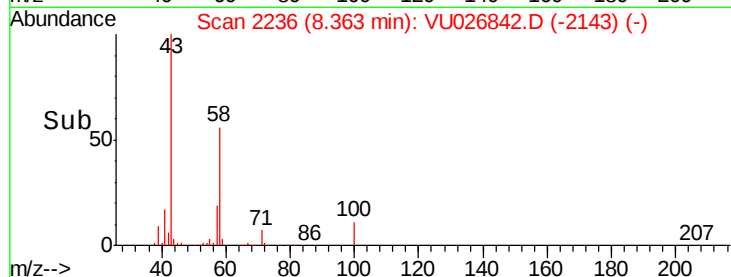
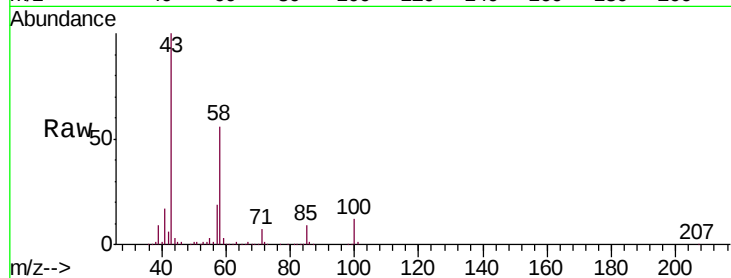




#48
2-Hexanone
Concen: 105.437 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU026842.D
Acq: 17 Sep 2018 23:37

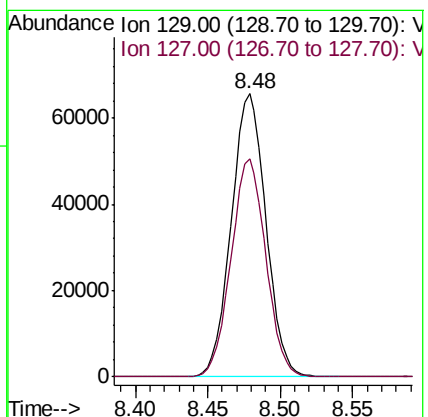
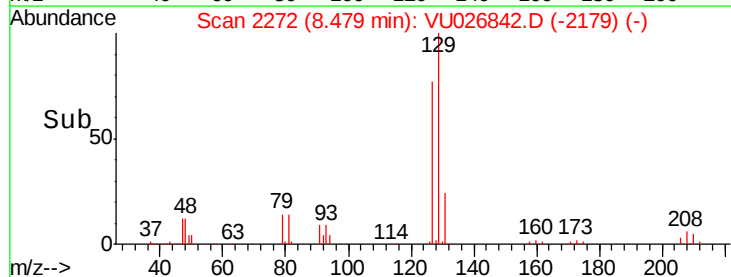
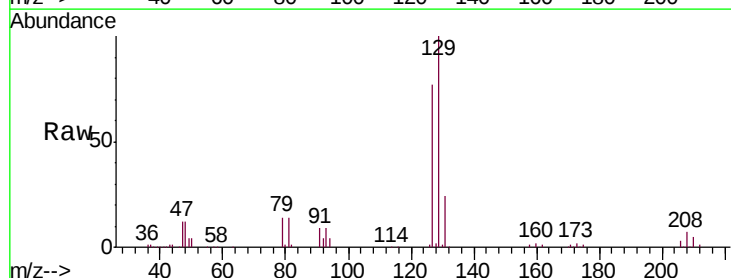
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

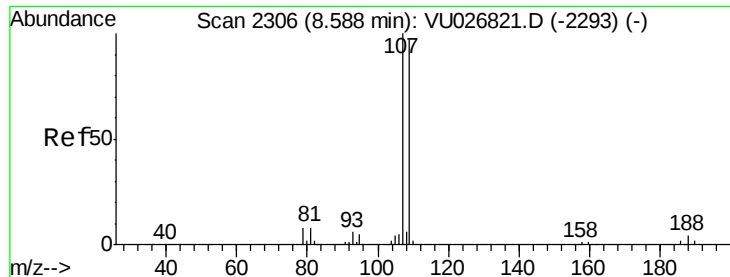
Tgt Ion:	43	Resp:	214359
Ion	Ratio	Lower	Upper
43	100		
58	55.7	44.9	67.3
57	19.0	15.4	23.2
100	12.6	10.2	15.4



#49
Dibromochloromethane
Concen: 49.757 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU026842.D
Acq: 17 Sep 2018 23:37

Tgt Ion:	129	Resp:	108922
Ion	Ratio	Lower	Upper
129	100		
127	76.9	55.2	102.4





#50

1,2-Dibromoethane

Concen: 49.678 ug/L

RT: 8.59 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VU026842.D

Acq: 17 Sep 2018 23:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

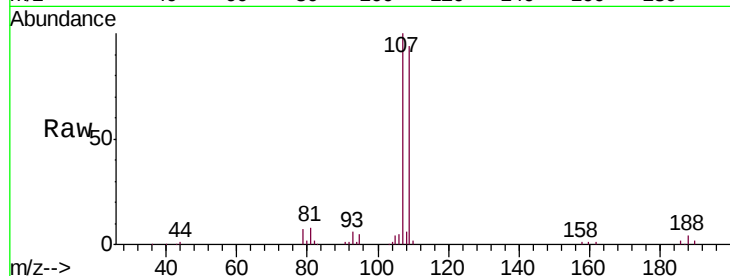
Tgt Ion:107 Resp: 100157

Ion Ratio Lower Upper

107 100

109 94.5 67.8 125.8

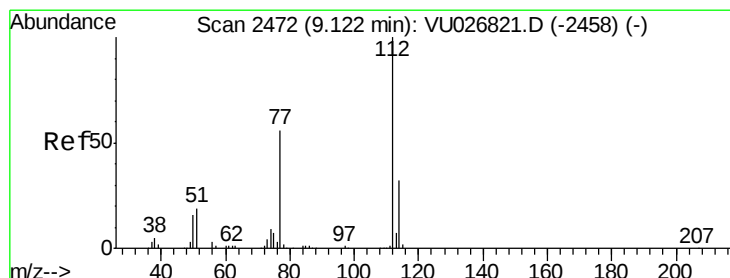
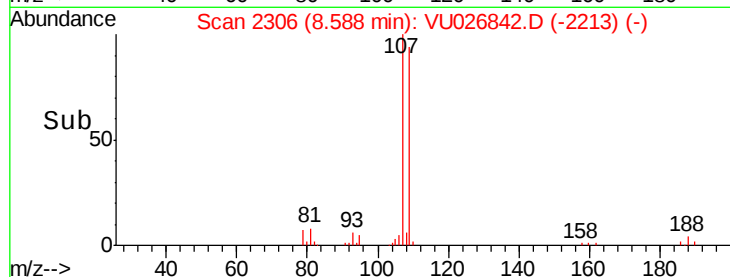
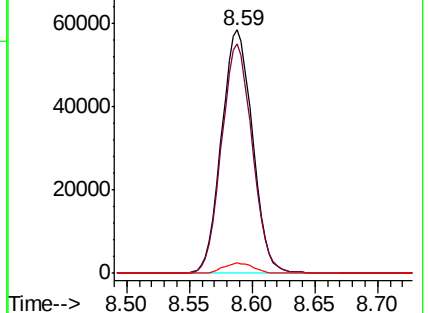
188 4.2 3.2 4.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 48.523 ug/L

RT: 9.12 min Scan# 2472

Delta R.T. -0.00 min

Lab File: VU026842.D

Acq: 17 Sep 2018 23:37

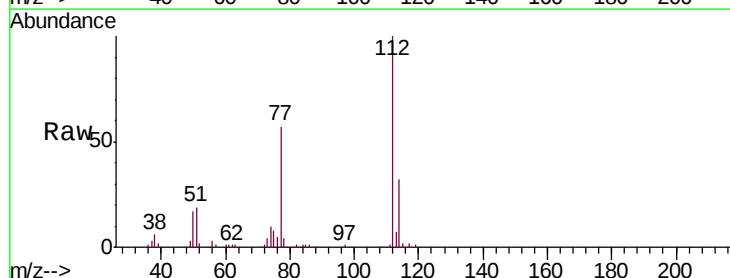
Tgt Ion:112 Resp: 257283

Ion Ratio Lower Upper

112 100

114 31.7 22.3 41.5

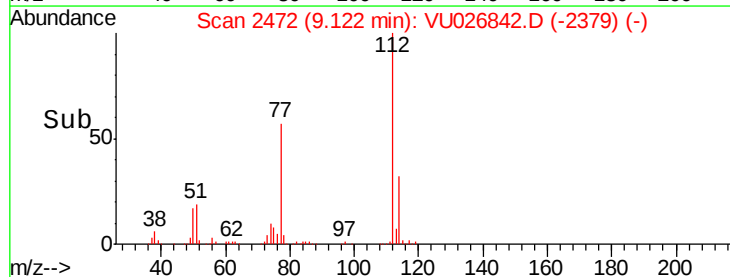
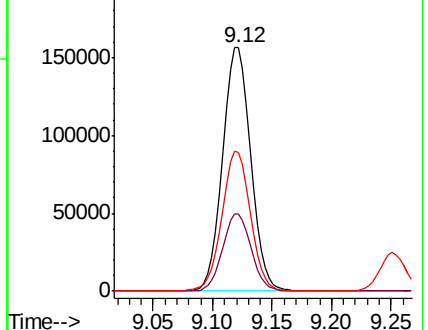
77 57.2 45.1 67.7

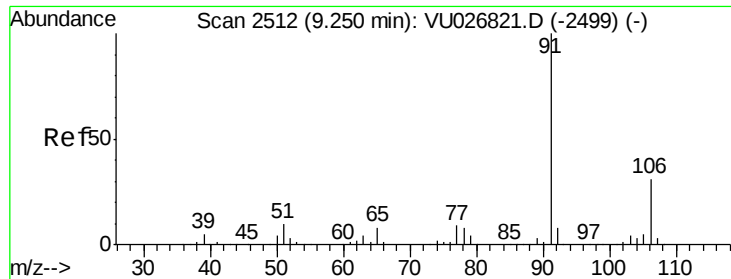


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#52

Ethylbenzene

Concen: 51.825 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU026842.D

Acq: 17 Sep 2018 23:37

Instrument :

MSVOA_U

ClientSampleId :

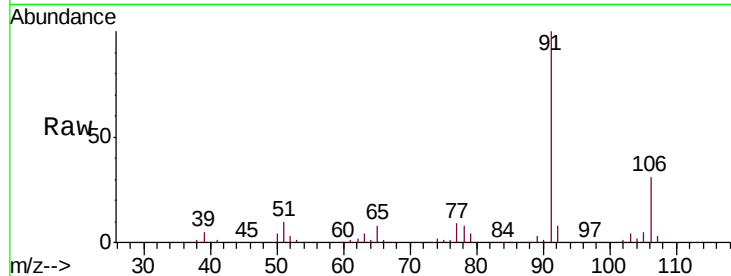
VSTD05045

Tgt Ion: 91 Resp: 424208

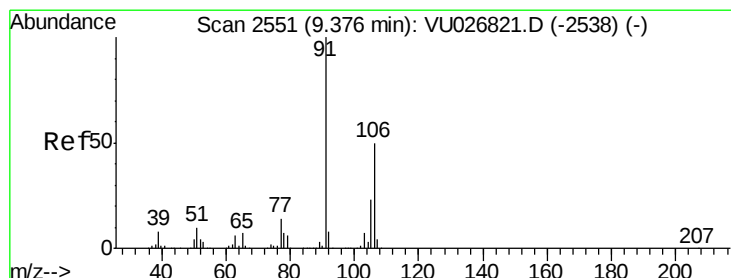
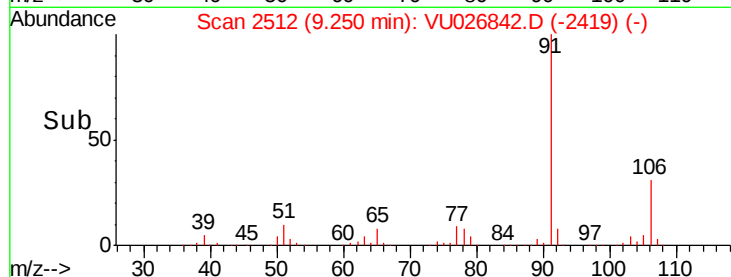
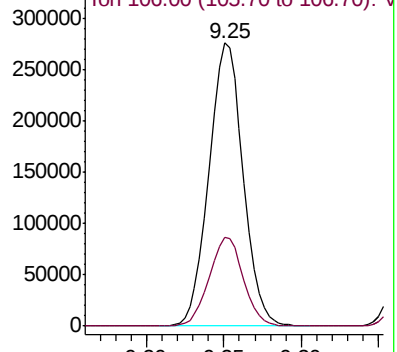
Ion Ratio Lower Upper

91 100

106 31.2 22.0 40.8



Abundance Ion 91.00 (90.70 to 91.70): VU026842.D (-2419) (-)



#53

m,p-Xylene

Concen: 52.992 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU026842.D

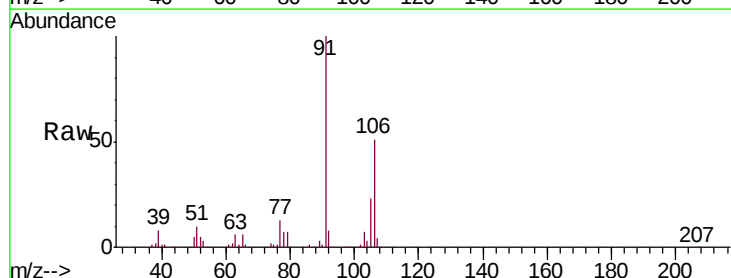
Acq: 17 Sep 2018 23:37

Tgt Ion: 106 Resp: 166748

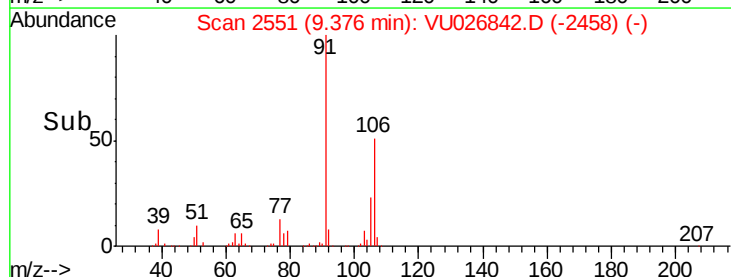
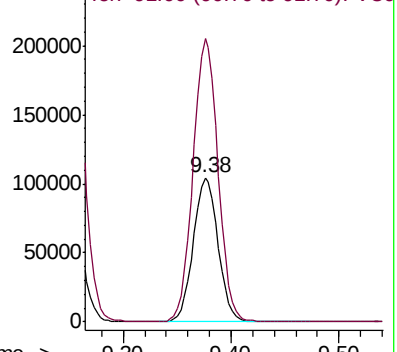
Ion Ratio Lower Upper

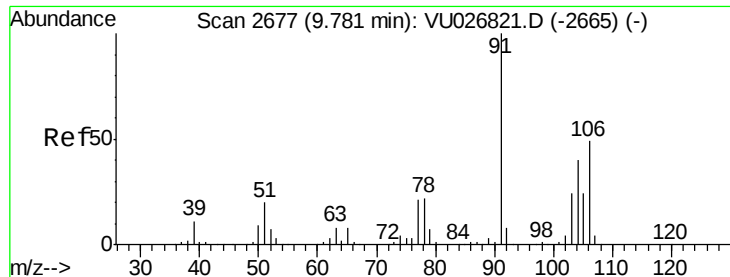
106 100

91 196.3 139.2 258.6



Abundance Ion 106.00 (105.70 to 106.70): VU026842.D (-2458) (-)





#54

o-xylene

Concen: 52.931 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VU026842.D

Acq: 17 Sep 2018 23:37

Instrument :

MSVOA_U

ClientSampleId :

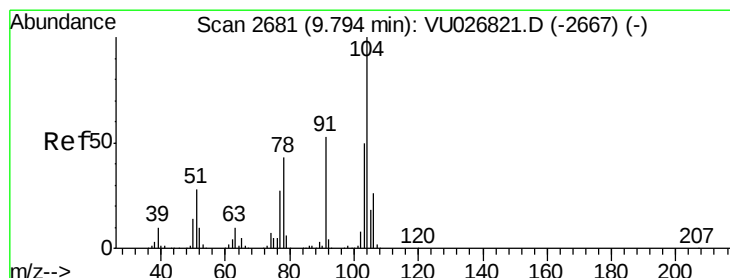
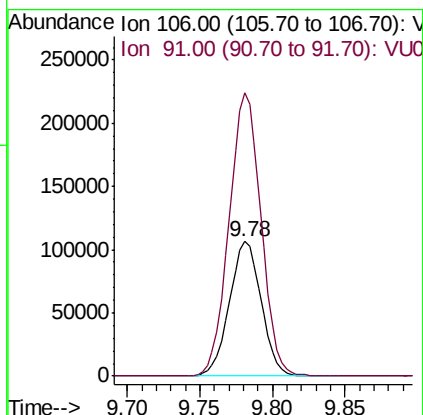
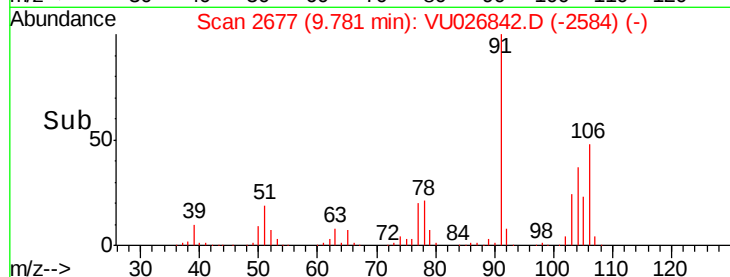
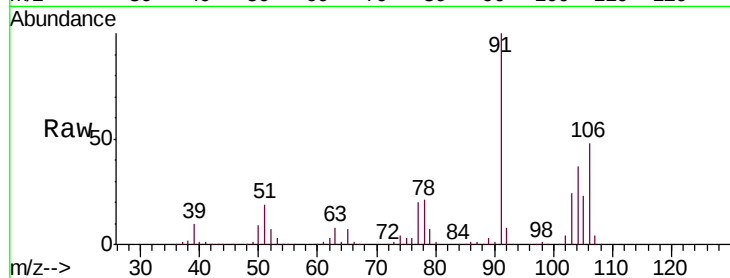
VSTD05045

Tgt Ion:106 Resp: 162286

Ion Ratio Lower Upper

106 100

91 210.1 143.1 265.9



#55

Styrene

Concen: 53.663 ug/L

RT: 9.79 min Scan# 2681

Delta R.T. -0.00 min

Lab File: VU026842.D

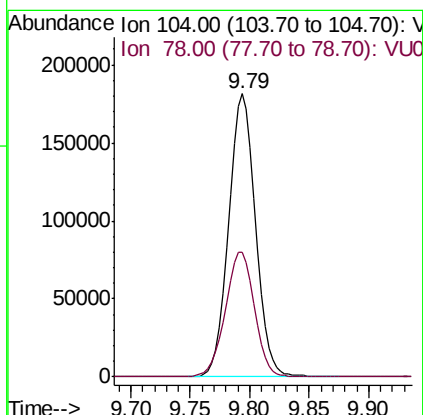
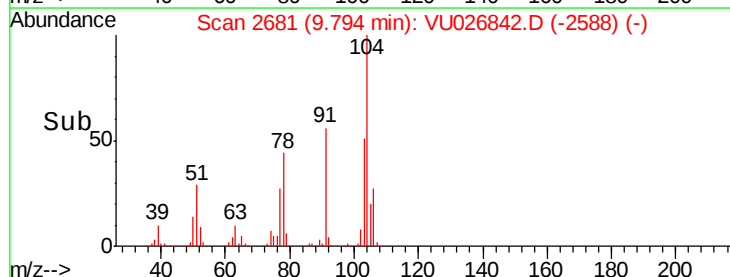
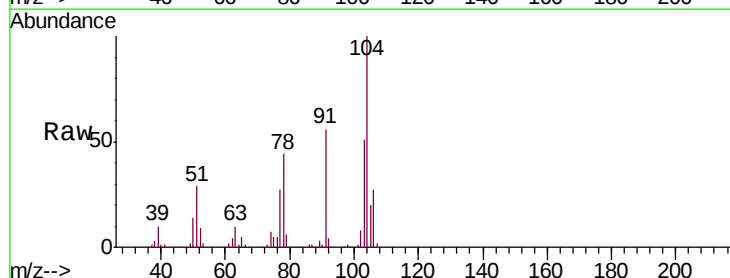
Acq: 17 Sep 2018 23:37

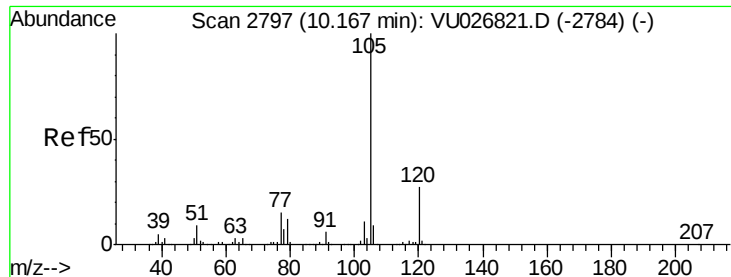
Tgt Ion:104 Resp: 284056

Ion Ratio Lower Upper

104 100

78 44.3 30.5 56.7





#56

Isopropylbenzene

Concen: 52.891 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU026842.D

Acq: 17 Sep 2018 23:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

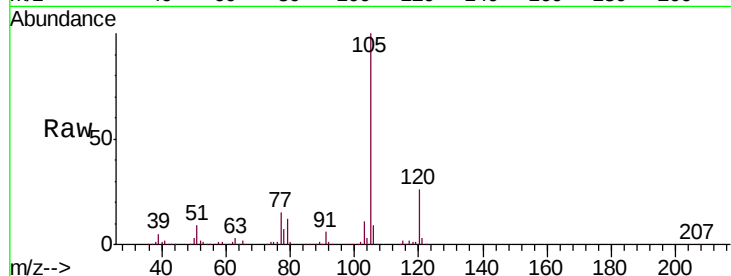
Tgt Ion: 105 Resp: 414224

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

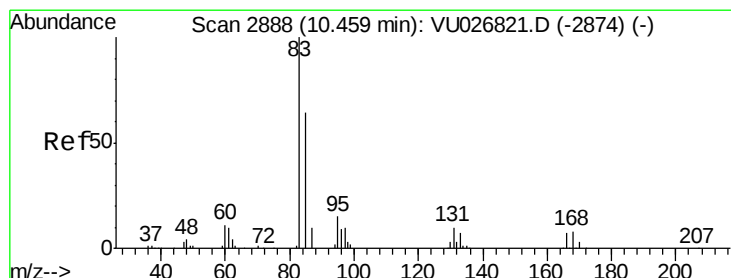
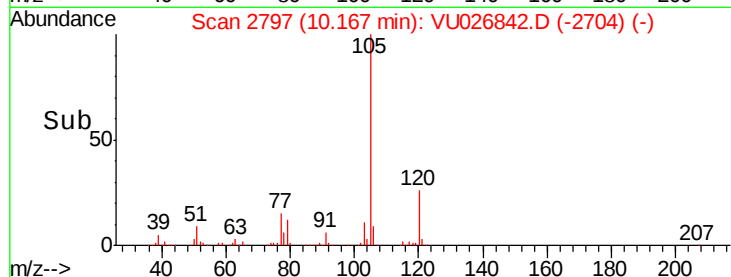
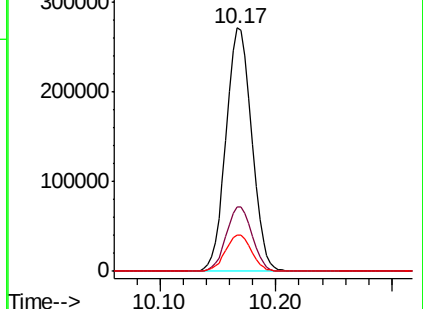
77 15.2 12.2 18.4



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: 49.553 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU026842.D

Acq: 17 Sep 2018 23:37

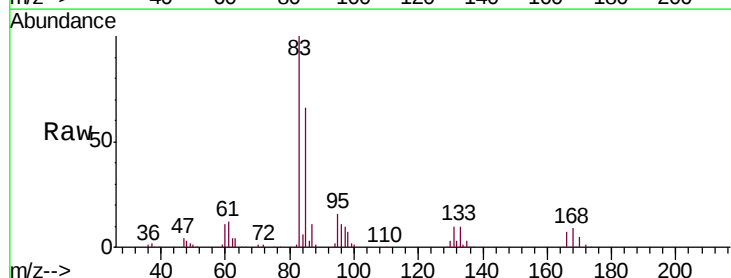
Tgt Ion: 83 Resp: 161182

Ion Ratio Lower Upper

83 100

85 65.7 45.4 84.2

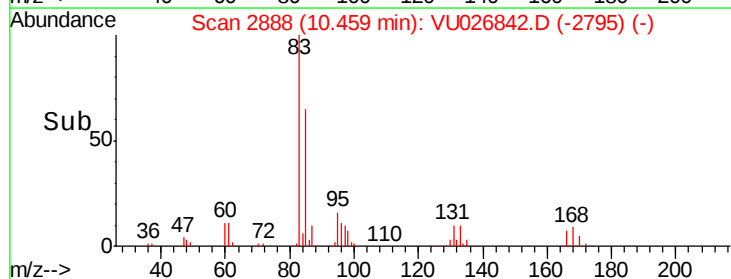
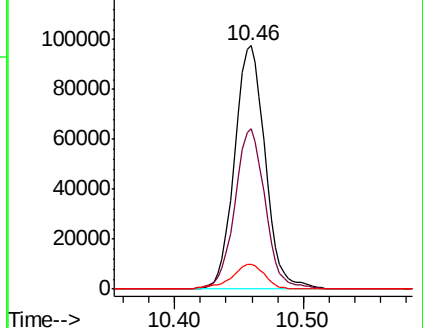
131 10.2 7.9 11.9

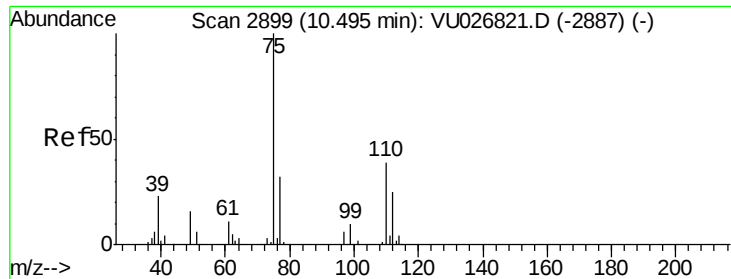


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 49.092 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU026842.D

Acq: 17 Sep 2018 23:37

Instrument :

MSVOA_U

ClientSampleId :

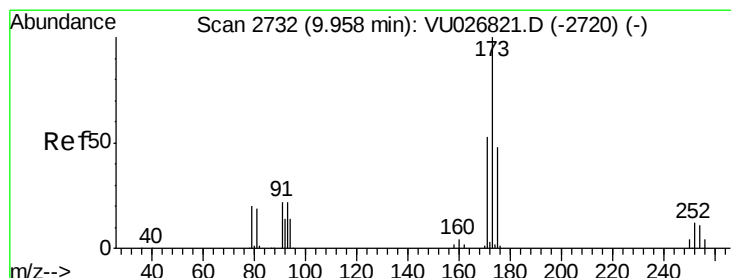
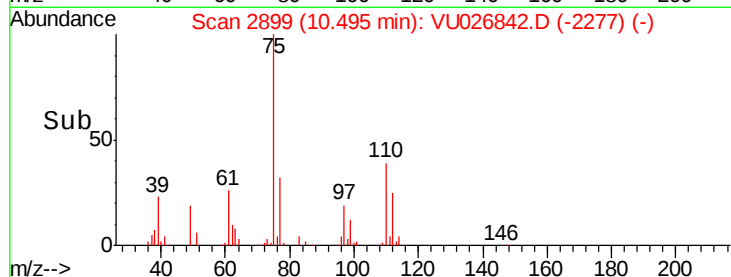
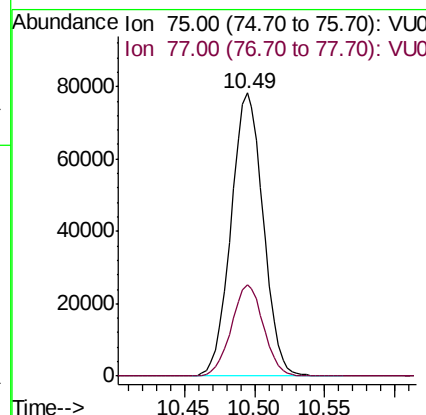
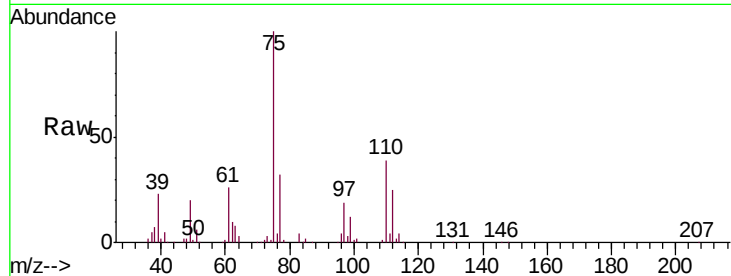
VSTD05045

Tgt Ion: 75 Resp: 124735

Ion Ratio Lower Upper

75 100

77 32.2 25.5 38.3



#61

Bromoform

Concen: 47.545 ug/L

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU026842.D

Acq: 17 Sep 2018 23:37

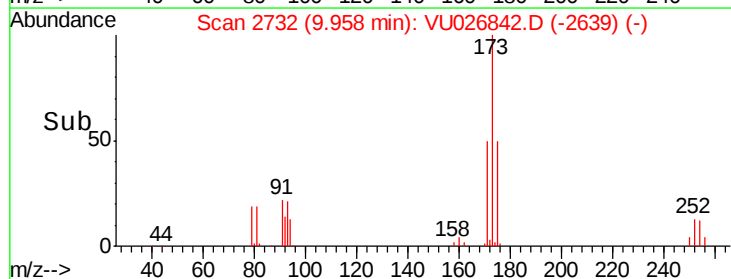
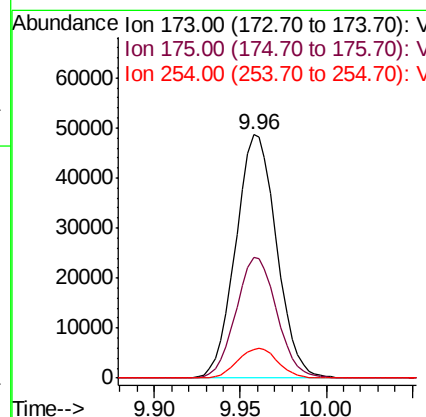
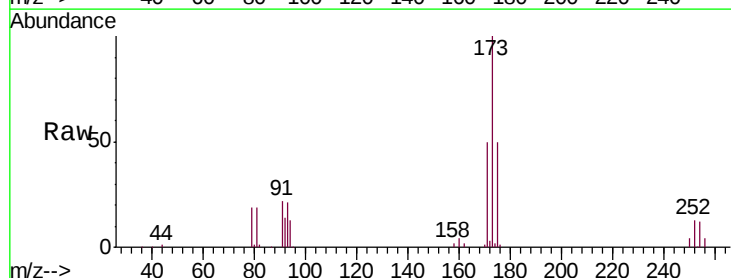
Tgt Ion: 173 Resp: 80237

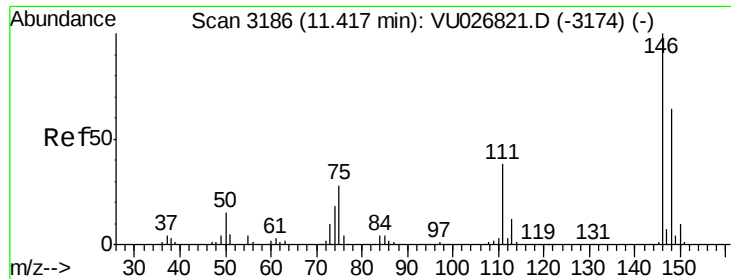
Ion Ratio Lower Upper

173 100

175 49.7 38.6 57.8

254 12.1 9.4 14.2

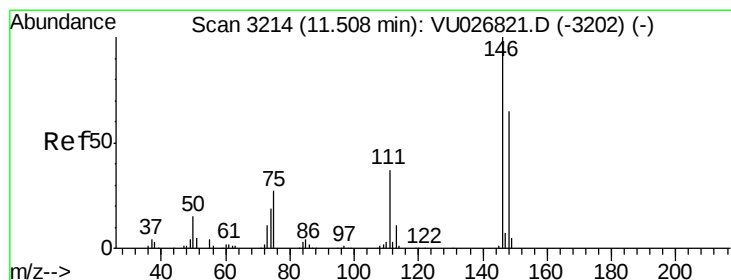
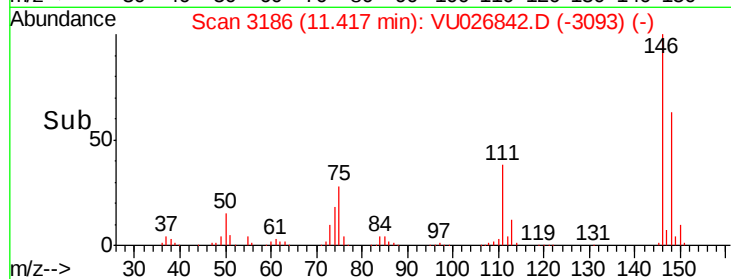
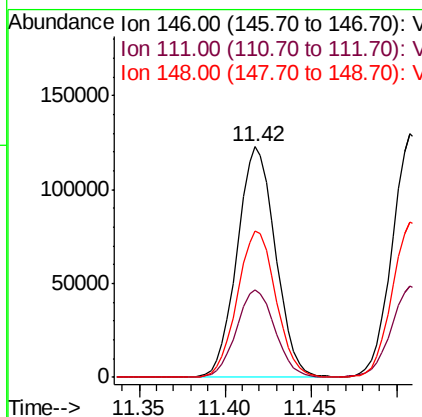
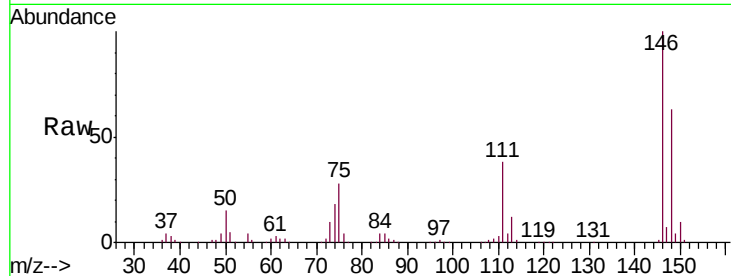




#62
 1,3-Dichlorobenzene
 Concen: 48.566 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU026842.D
 Acq: 17 Sep 2018 23:37

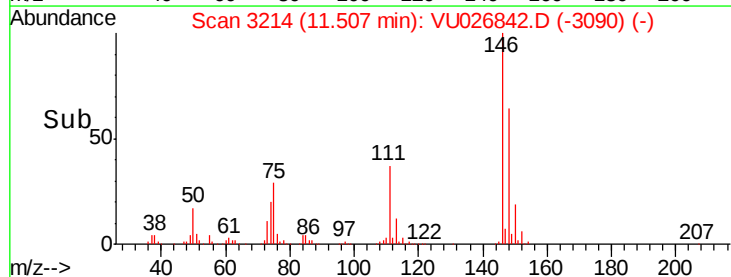
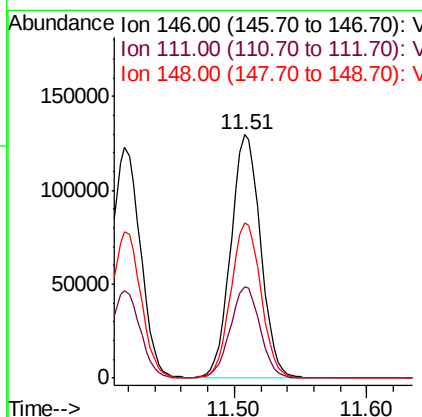
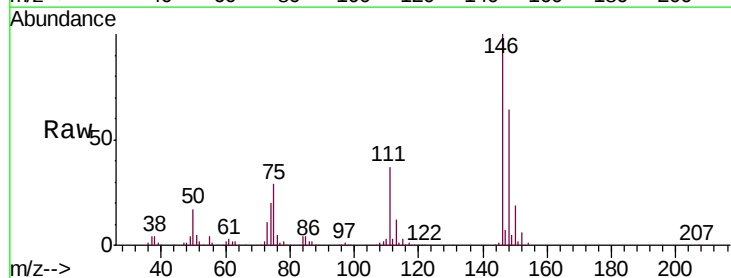
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

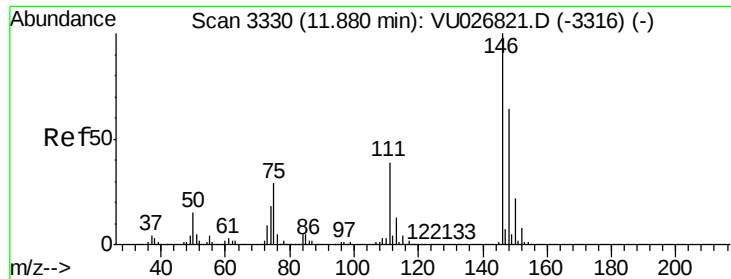
Tgt Ion:146 Resp: 189997
 Ion Ratio Lower Upper
 146 100
 111 38.0 26.7 49.7
 148 63.3 44.9 83.5



#63
 1,4-Dichlorobenzene
 Concen: 46.779 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU026842.D
 Acq: 17 Sep 2018 23:37

Tgt Ion:146 Resp: 201514
 Ion Ratio Lower Upper
 146 100
 111 37.4 26.0 48.2
 148 63.9 45.8 85.2

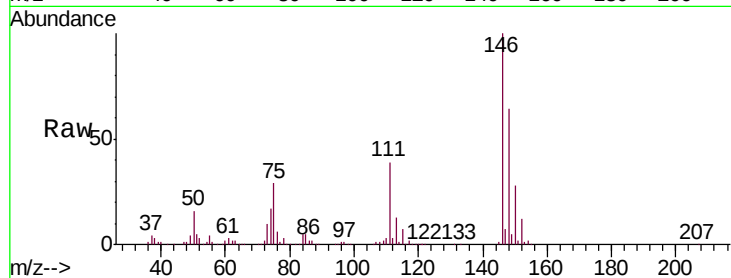




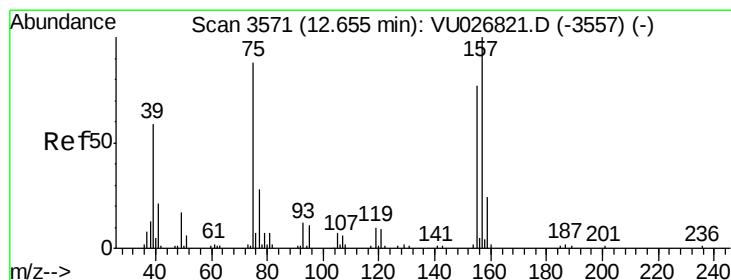
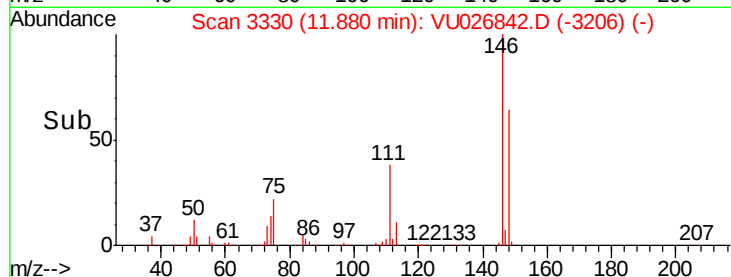
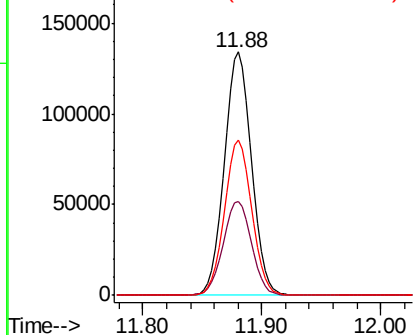
#65
 1,2-Dichlorobenzene
 Concen: 48.986 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU026842.D
 Acq: 17 Sep 2018 23:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

Tgt Ion: 146 Resp: 212198
 Ion Ratio Lower Upper
 146 100
 111 38.8 31.4 47.0
 148 63.7 51.4 77.2

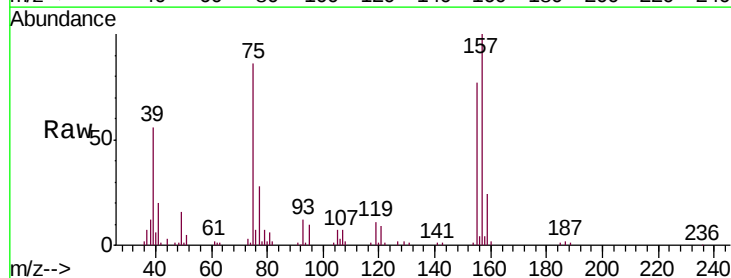


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

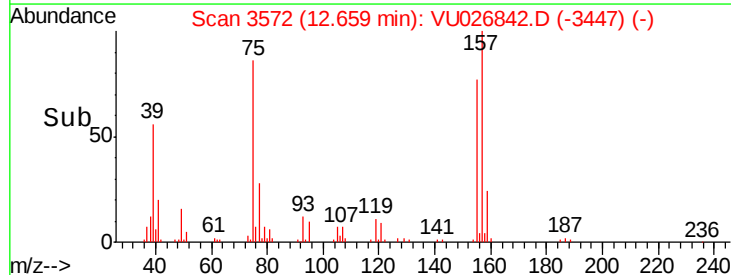
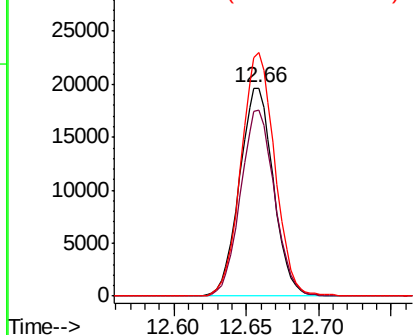


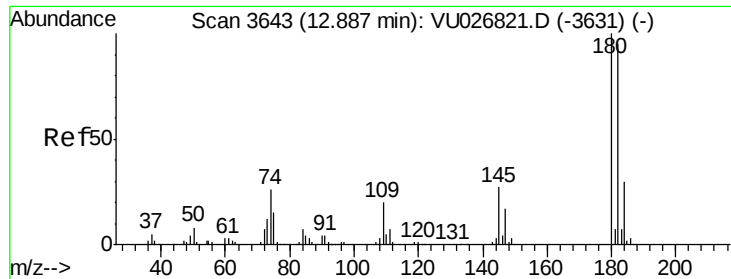
#66
 1,2-Dibromo-3-chloropropane
 Concen: 48.484 ug/L
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU026842.D
 Acq: 17 Sep 2018 23:37

Tgt Ion: 75 Resp: 31862
 Ion Ratio Lower Upper
 75 100
 155 89.5 69.5 104.3
 157 116.8 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

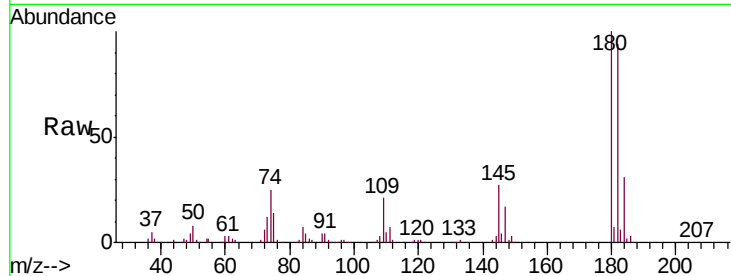




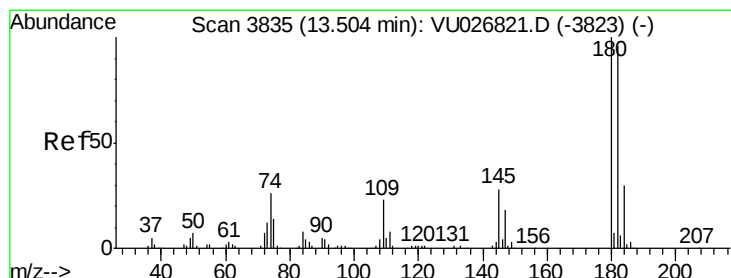
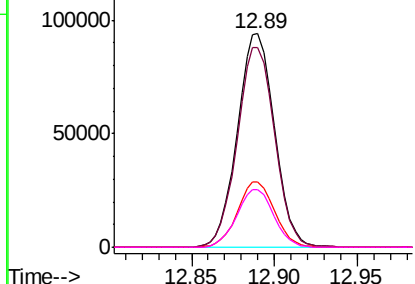
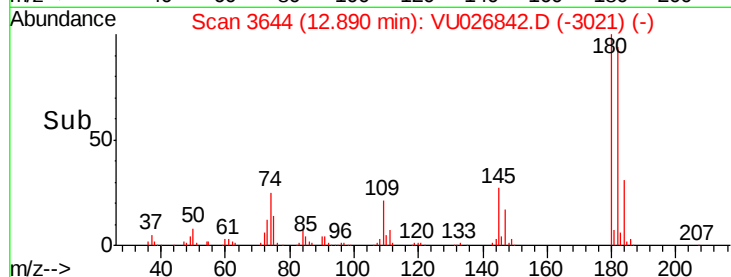
#67
 1,3,5-Trichlorobenzene
 Concen: 48.356 ug/L
 RT: 12.89 min Scan# 3644
 Delta R.T. 0.00 min
 Lab File: VU026842.D
 Acq: 17 Sep 2018 23:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

Tgt Ion:180 Resp: 146390
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.7 115.1
 184 30.7 24.2 36.4
 145 27.0 21.8 32.6

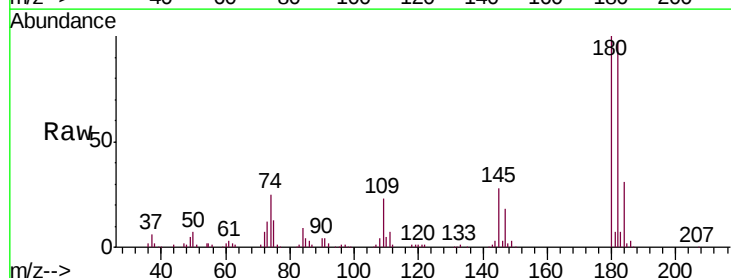


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

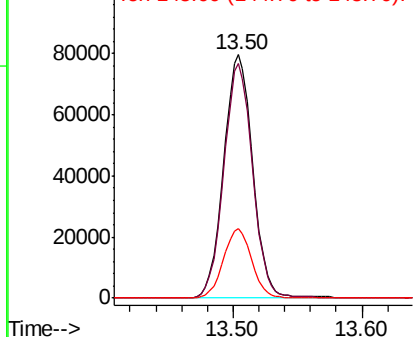
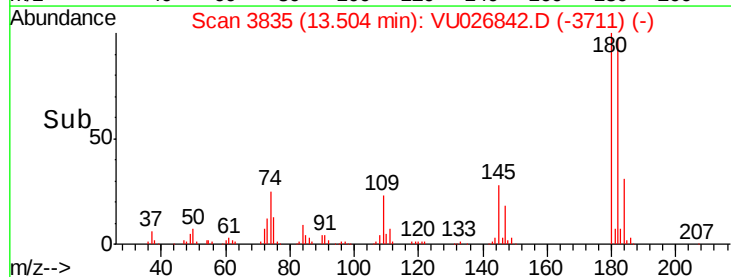


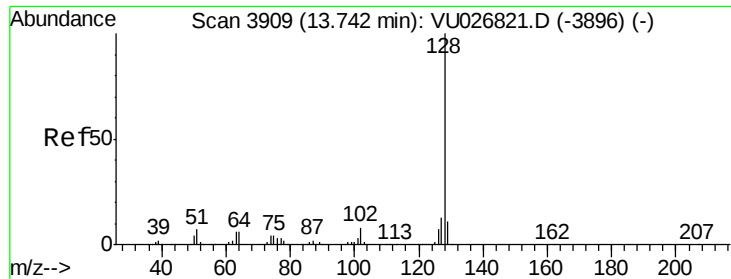
#68
 1,2,4-trichlorobenzene
 Concen: 47.618 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU026842.D
 Acq: 17 Sep 2018 23:37

Tgt Ion:180 Resp: 124225
 Ion Ratio Lower Upper
 180 100
 182 95.9 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: 53.431 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU026842.D

Acq: 17 Sep 2018 23:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

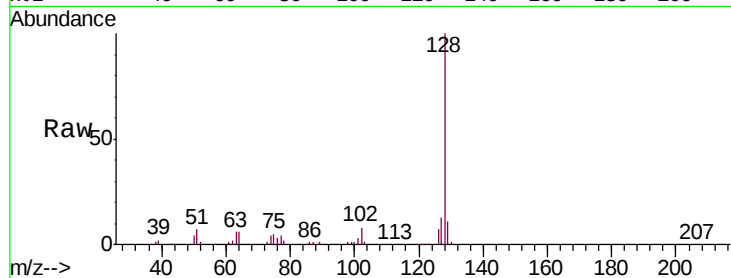
Tgt Ion:128 Resp: 410649

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

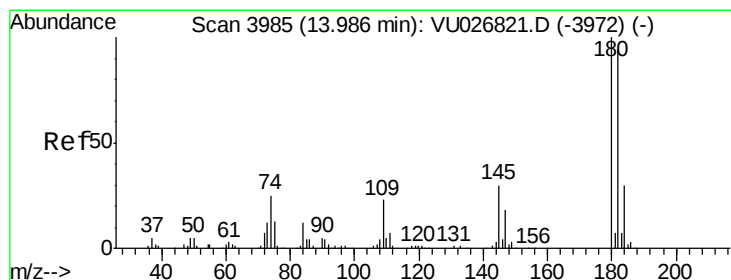
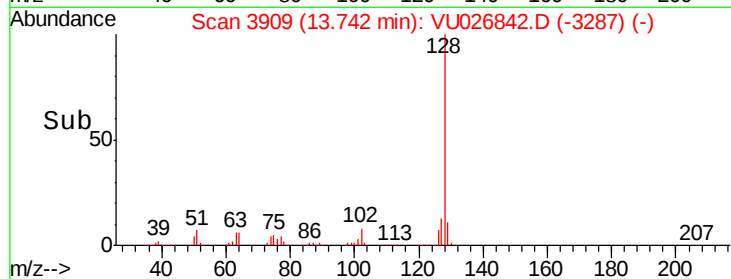
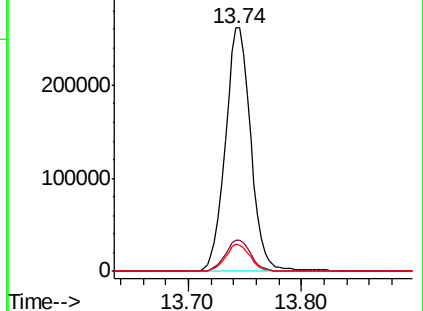
129 10.8 8.6 12.8



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: 50.785 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU026842.D

Acq: 17 Sep 2018 23:37

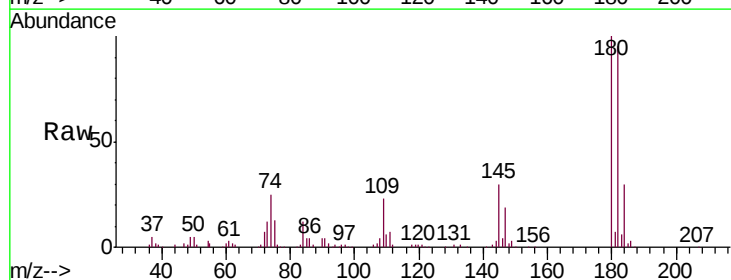
Tgt Ion:180 Resp: 145897

Ion Ratio Lower Upper

180 100

182 95.0 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

