

Data File : VU026660.D
Acq On : 10 Sep 2018 19:15
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

Quant Time: Sep 11 05:33:05 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 11 05:07:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	200446	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	189496	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	95137	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	70429	47.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.30%
7) Chloroethane-d5	1.68	69	57830	48.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.08%
11) 1,1-Dichloroethene-d2	2.27	63	126765	47.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.84%
21) 2-Butanone-d5	4.18	46	97398	104.78	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.78%
24) Chloroform-d	4.65	84	123245	49.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.24%
26) 1,2-Dichloroethane-d4	5.31	65	78059	48.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.04%
32) Benzene-d6	5.34	84	245853	50.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.26%
36) 1,2-Dichloropropane-d6	6.33	67	83214	50.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.12%
41) Toluene-d8	7.57	98	231099	50.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.44%
43) trans-1,3-Dichloropropene-	7.85	79	37535	49.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.12%
47) 2-Hexanone-d5	8.31	63	72627	108.16	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.16%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	113622	50.42	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.84%
64) 1,2-Dichlorobenzene-d4	11.86	152	92938	49.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	64135	50.830 ug/L	100
3) Chloromethane	1.33	50	83199	50.162 ug/L	99
5) Vinyl chloride	1.40	62	87454	51.028 ug/L	100
6) Bromomethane	1.62	94	40964	41.015 ug/L	97
8) Chloroethane	1.70	64	55490	52.205 ug/L	98
9) Trichlorofluoromethane	1.88	101	114038	52.768 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	63412	51.524 ug/L	100
12) 1,1-Dichloroethene	2.28	96	59776	50.575 ug/L	96
13) Acetone	2.32	43	70789	66.863 ug/L	99
14) Carbon disulfide	2.48	76	192802	50.226 ug/L	100
15) Methyl Acetate	2.62	43	80093	53.029 ug/L	99
16) Methylene chloride	2.70	84	72222	51.778 ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	64063	51.154 ug/L	99
18) Methyl tert-butyl Ether	3.00	73	202437	52.459 ug/L	99
19) 1,1-Dichloroethane	3.45	63	127033	52.303 ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	72583	51.455 ug/L	100
22) 2-Butanone	4.26	43	110172	90.887 ug/L	99

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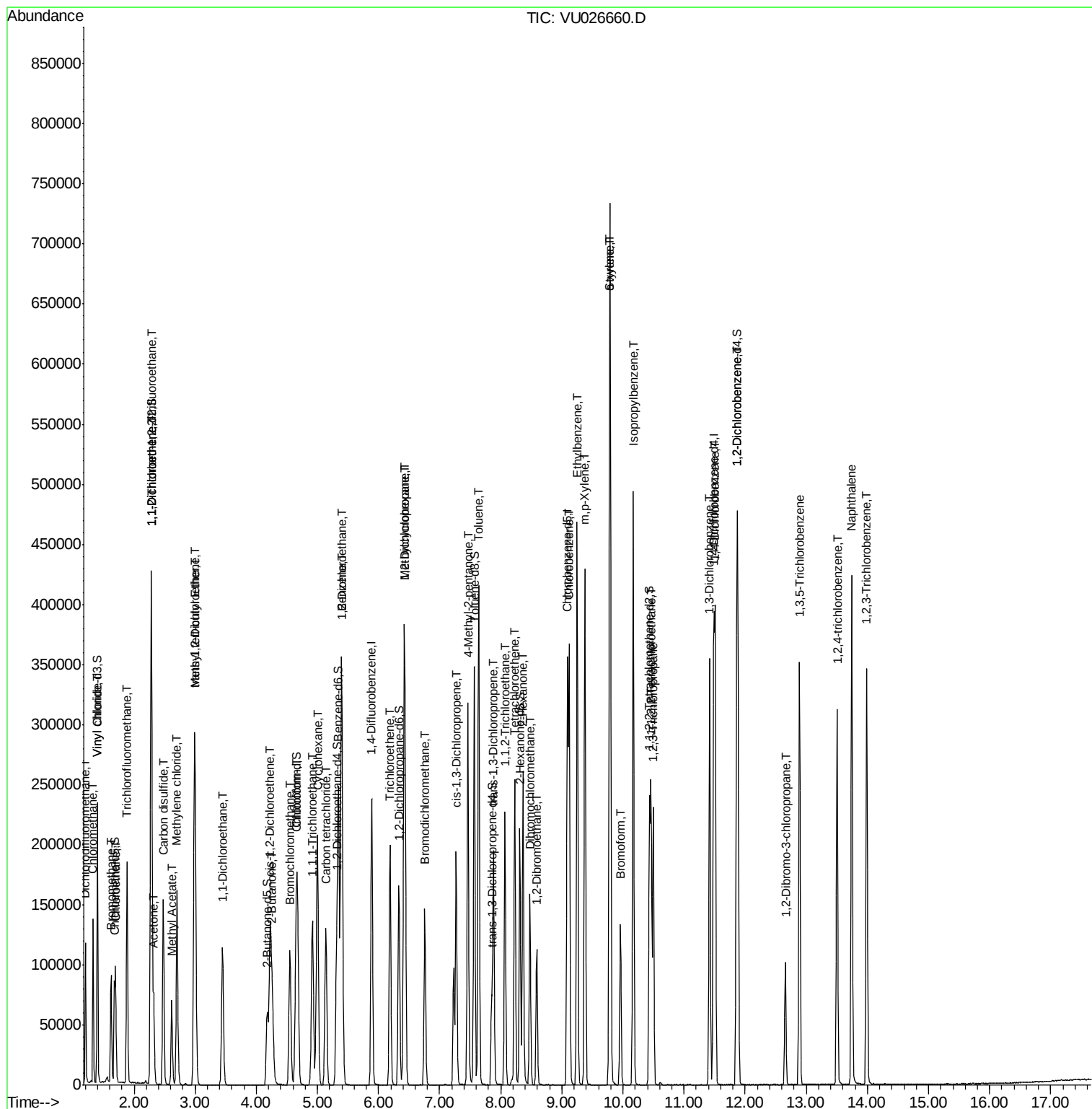
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	37706	52.262	ug/L	97
25) Chloroform	4.67	83	127689	52.305	ug/L	99
27) 1,2-Dichloroethane	5.41	62	101114	52.162	ug/L	100
29) Cyclohexane	5.00	56	112124	54.018	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	105902	52.754	ug/L	99
31) Carbon tetrachloride	5.14	117	95867	52.833	ug/L	98
33) Benzene	5.39	78	281433	53.035	ug/L	100
34) Trichloroethene	6.19	95	68654	52.051	ug/L	99
35) Methylcyclohexane	6.42	83	113303	53.666	ug/L	99
37) 1,2-Dichloropropane	6.43	63	78848	53.187	ug/L	100
38) Bromodichloromethane	6.76	83	96348	53.034	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	114735	52.303	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	211997	112.108	ug/L	99
42) Toluene	7.64	91	296288	53.869	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	105549	51.719	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	68830	52.343	ug/L	98
46) Tetrachloroethene	8.23	164	57584	51.948	ug/L	99
48) 2-Hexanone	8.36	43	165799	103.849	ug/L	100
49) Dibromochloromethane	8.48	129	80292	52.826	ug/L	94
50) 1,2-Dibromoethane	8.59	107	75001	53.318	ug/L	99
51) Chlorobenzene	9.12	112	188468	52.187	ug/L	99
52) Ethylbenzene	9.25	91	319639	53.736	ug/L	99
53) m,p-Xylene	9.38	106	120735	53.831	ug/L	99
54) o-xylene	9.78	106	120237	54.016	ug/L	98
55) Styrene	9.79	104	207144	55.013	ug/L	99
56) Isopropylbenzene	10.17	105	309854	54.644	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	121343	53.266	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	93506	53.309	ug/L	100
61) Bromoform	9.96	173	61665	52.617	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	141884	51.940	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	146380	50.583	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	154081	53.369	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.66	75	24825	53.225	ug/L	94
67) 1,3,5-Trichlorobenzene	12.89	180	112282	51.819	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	98354	52.224	ug/L	99
69) Naphthalene	13.74	128	324462	56.222	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	110100	53.969	ug/L	100

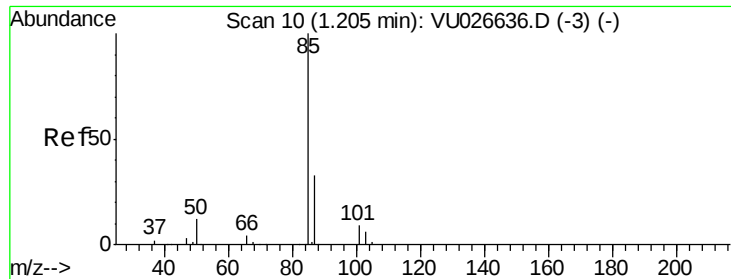
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 50.830 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU026660.D

Acq: 10 Sep 2018 19:15

Instrument :

MSVOA_U

ClientSampleId :

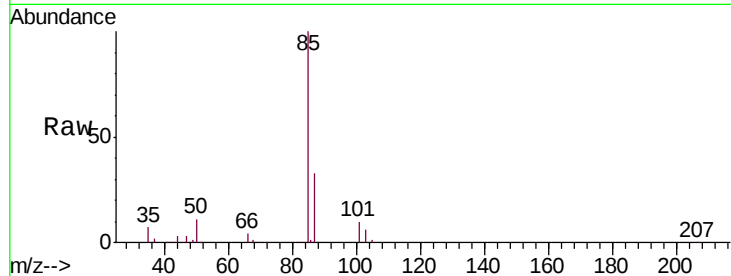
VSTD05054

Tgt Ion: 85 Resp: 64135

Ion Ratio Lower Upper

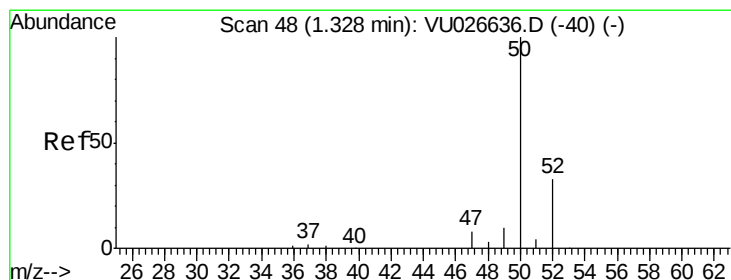
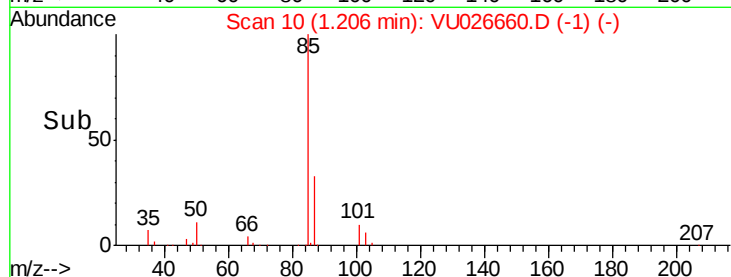
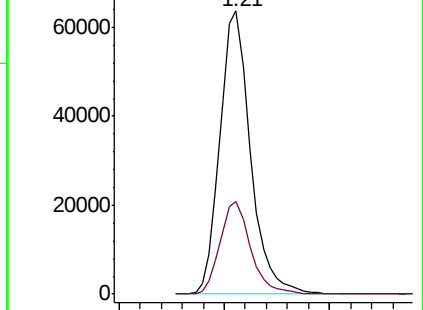
85 100

87 32.6 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU026660.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU026660.D (-1) (-)



#3

Chloromethane

Concen: 50.162 ug/L

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU026660.D

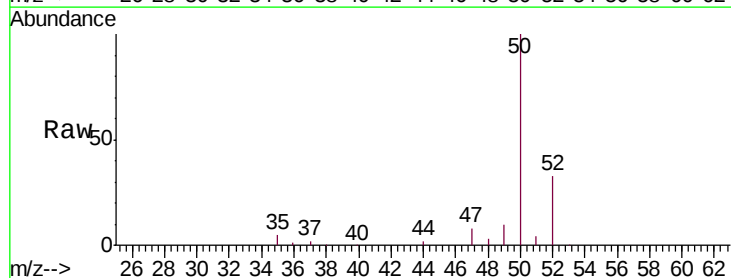
Acq: 10 Sep 2018 19:15

Tgt Ion: 50 Resp: 83199

Ion Ratio Lower Upper

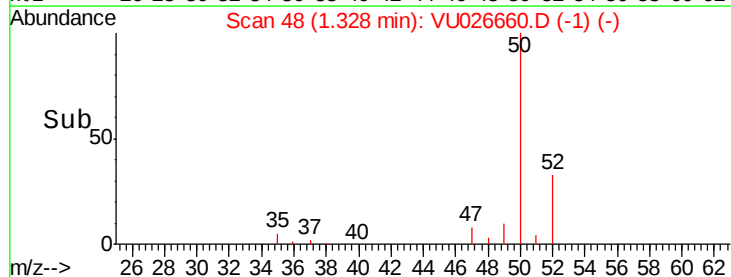
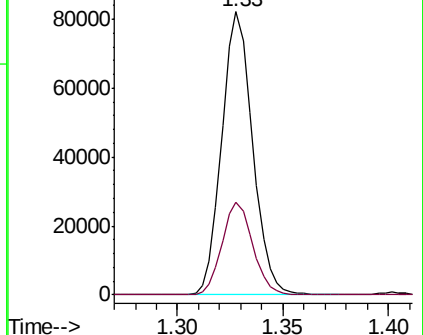
50 100

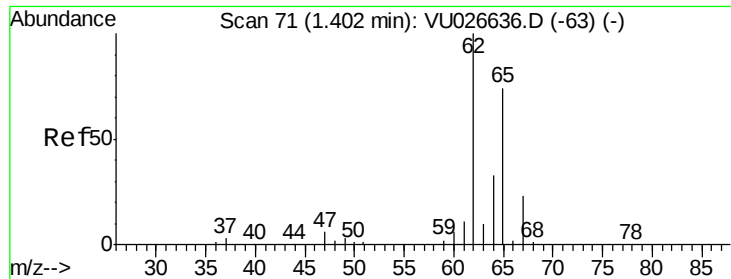
52 32.8 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VU026660.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU026660.D (-1) (-)





#5

Vinyl chloride

Concen: 51.028 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU026660.D

Acq: 10 Sep 2018 19:15

Instrument :

MSVOA_U

ClientSampleId :

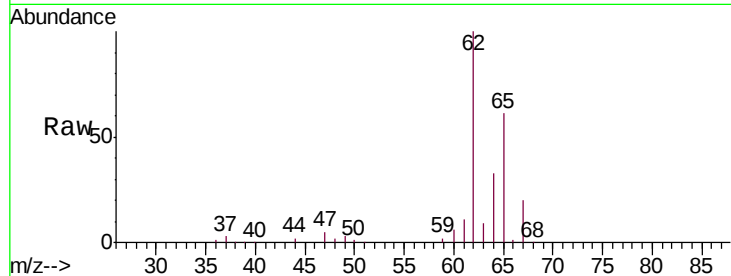
VSTD05054

Tgt Ion: 62 Resp: 87454

Ion Ratio Lower Upper

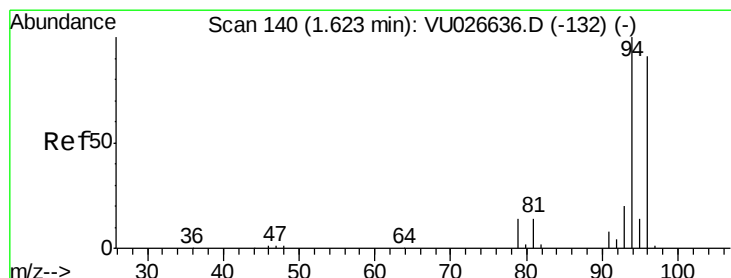
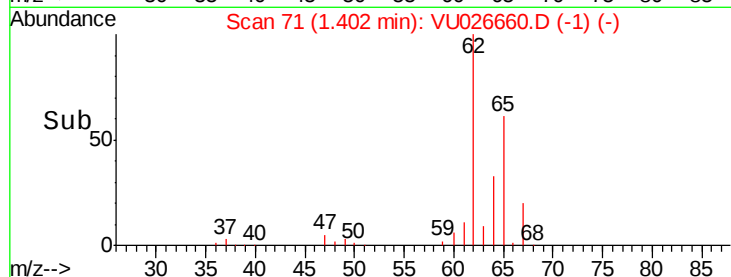
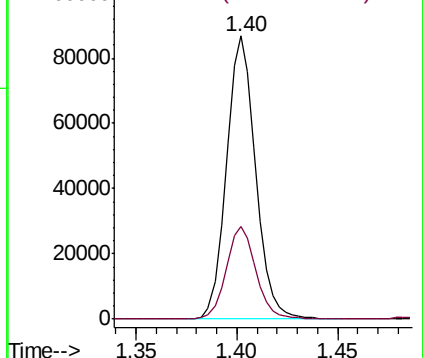
62 100

64 32.9 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 41.015 ug/L

RT: 1.62 min Scan# 140

Delta R.T. 0.00 min

Lab File: VU026660.D

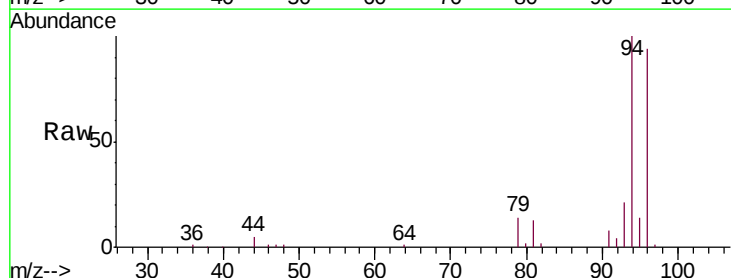
Acq: 10 Sep 2018 19:15

Tgt Ion: 94 Resp: 40964

Ion Ratio Lower Upper

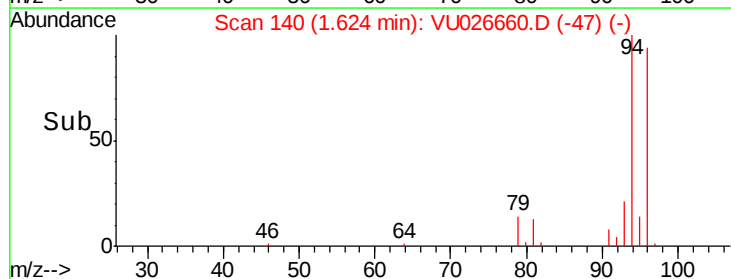
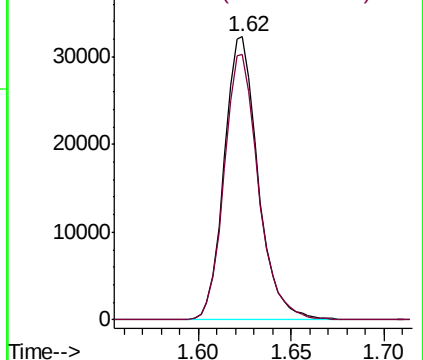
94 100

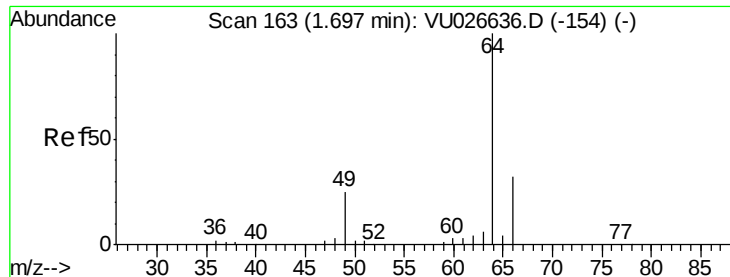
96 93.9 63.6 118.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 52.205 ug/L

RT: 1.70 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU026660.D

Acq: 10 Sep 2018 19:15

Instrument :

MSVOA_U

ClientSampleId :

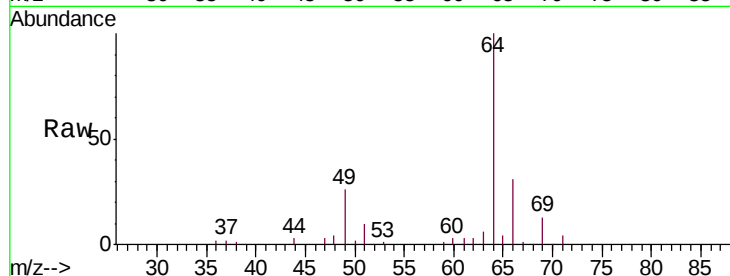
VSTD05054

Tgt Ion: 64 Resp: 55490

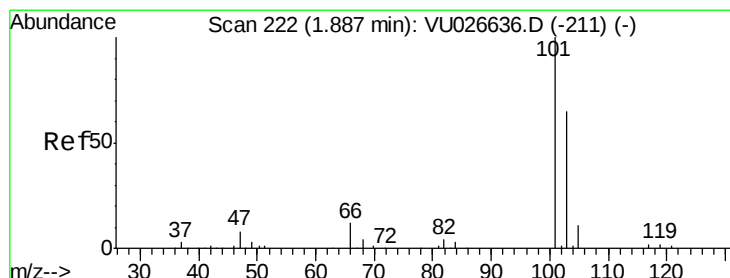
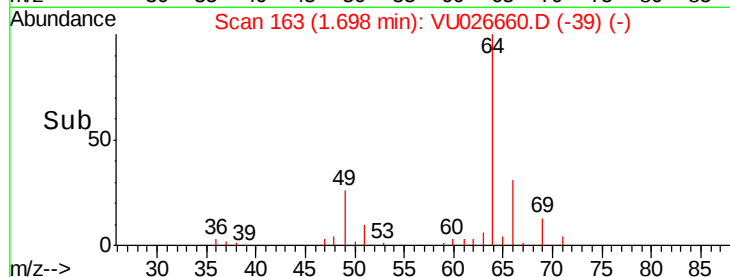
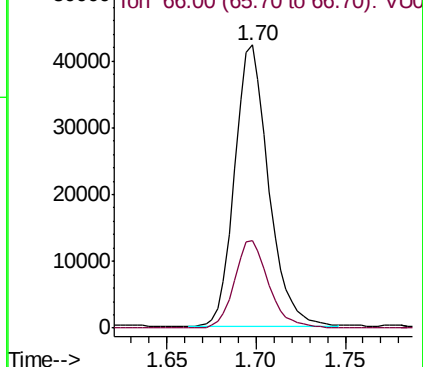
Ion Ratio Lower Upper

64 100

66 31.0 22.4 41.6



Abundance Ion 64.00 (63.70 to 64.70): VU026660.D (-154) (-)



#9

Trichlorofluoromethane

Concen: 52.768 ug/L

RT: 1.88 min Scan# 221

Delta R.T. -0.00 min

Lab File: VU026660.D

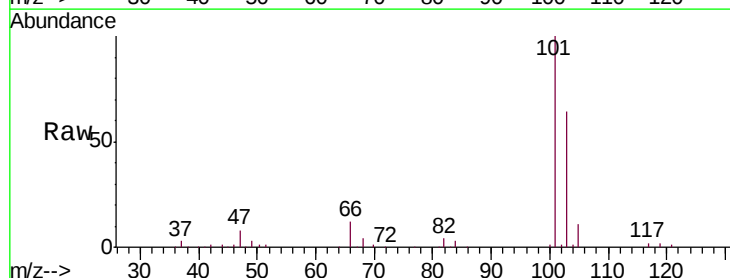
Acq: 10 Sep 2018 19:15

Tgt Ion: 101 Resp: 114038

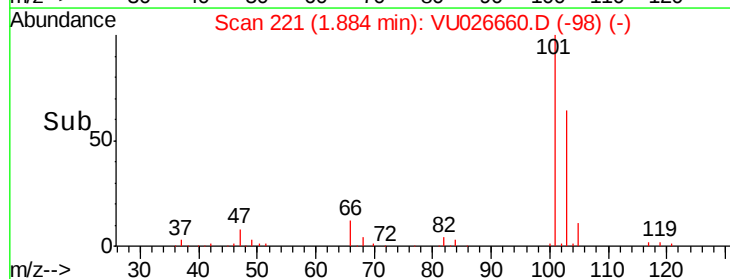
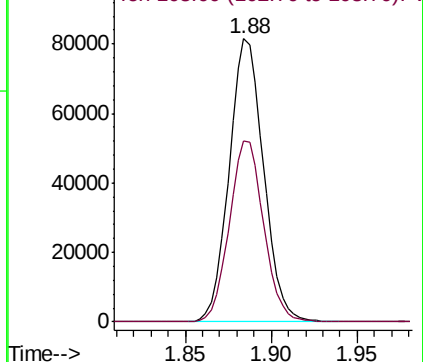
Ion Ratio Lower Upper

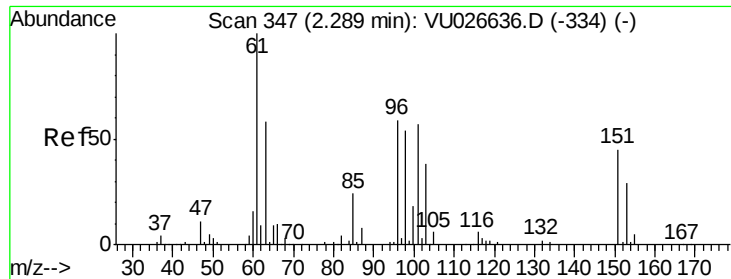
101 100

103 63.9 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VU026660.D (-211) (-)





#10

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

Concen: 51.524 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU026660.D

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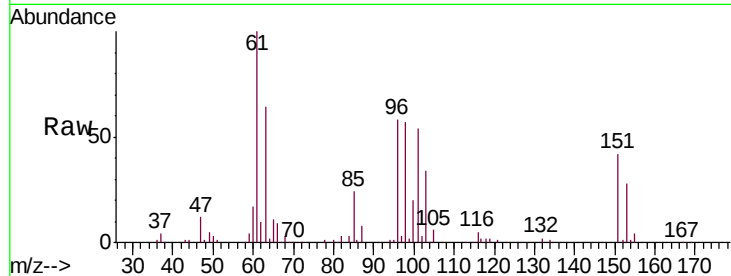
Tgt Ion: 101 Resp: 63412

Ion Ratio Lower Upper

101 100

85 42.7 34.1 51.1

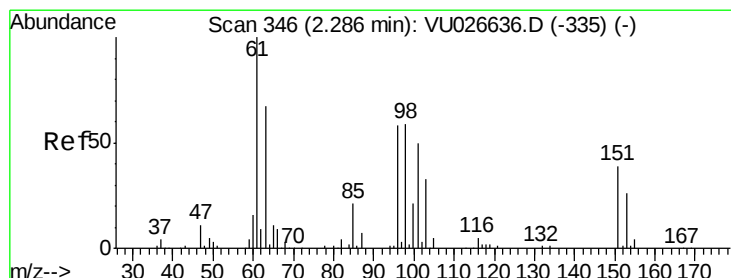
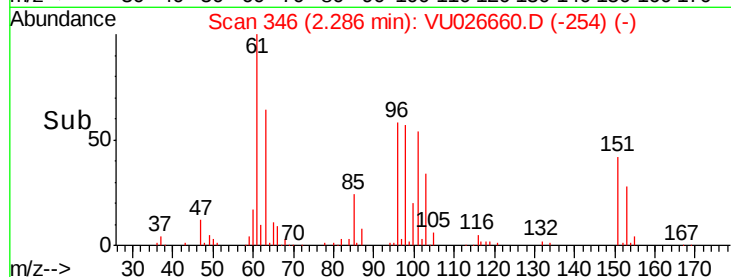
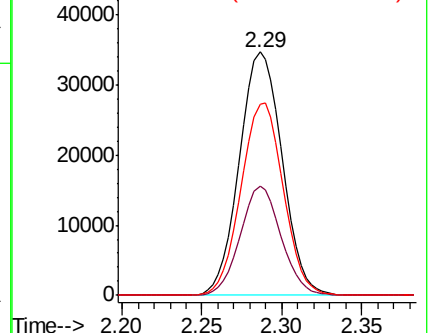
151 78.0 62.6 94.0



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: 50.575 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU026660.D

Acq: 10 Sep 2018 19:15

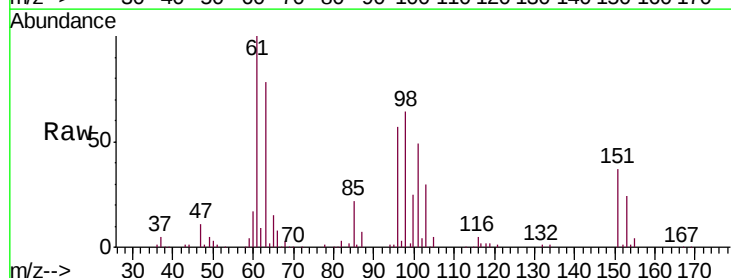
Tgt Ion: 96 Resp: 59776

Ion Ratio Lower Upper

96 100

61 175.2 121.0 224.8

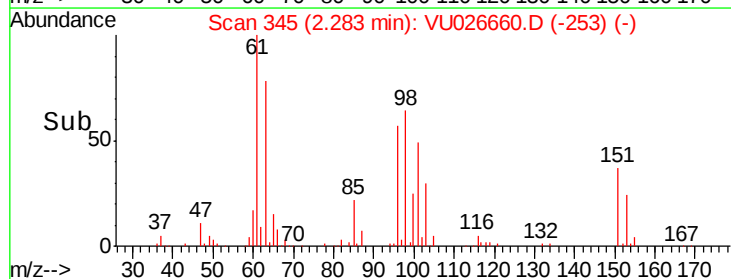
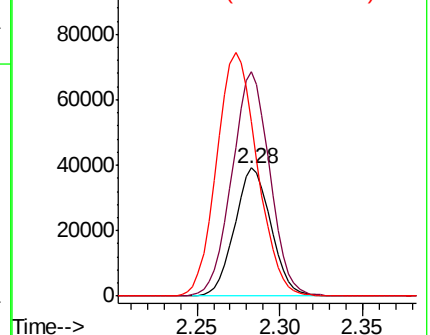
63 136.3 89.9 166.9

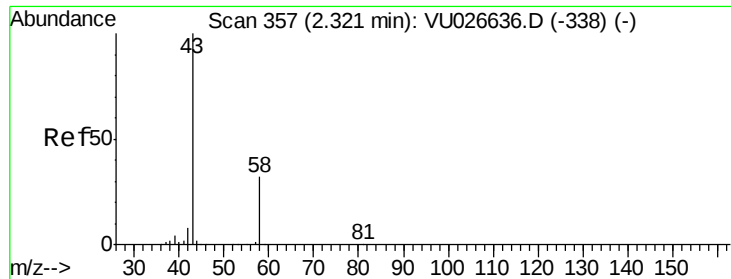


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 66.863 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

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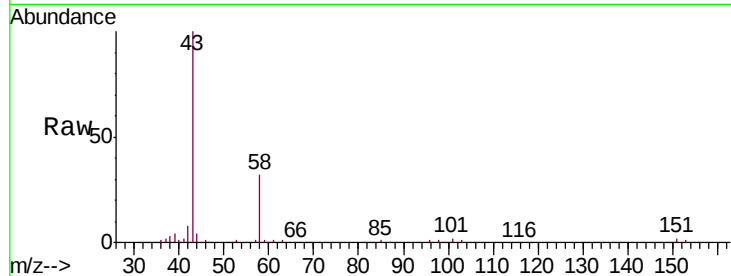
VSTD05054

Tgt Ion: 43 Resp: 70789

Ion Ratio Lower Upper

43 100

58 31.7 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

40000

30000

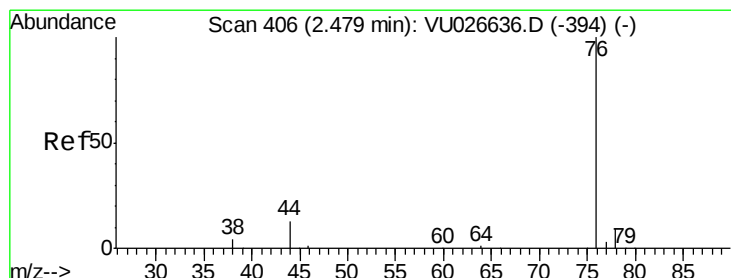
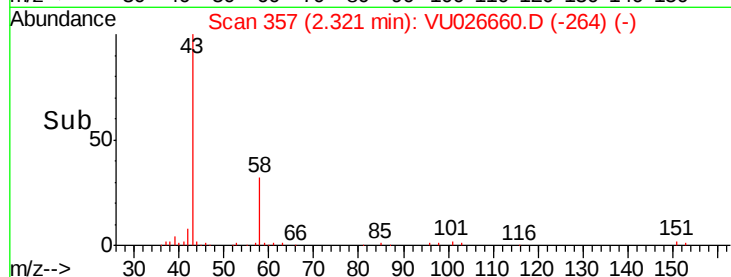
20000

10000

0

Time-->

2.25 2.30 2.35 2.40



#14

Carbon disulfide

Concen: 50.226 ug/L

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU026660.D

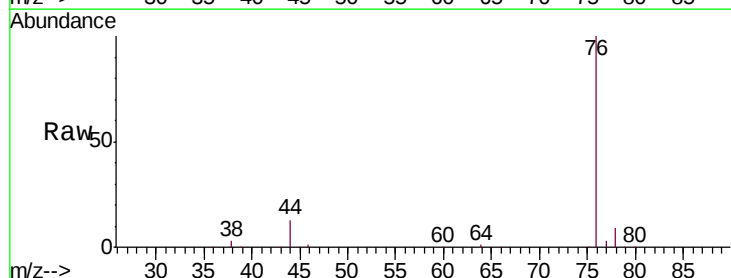
Acq: 10 Sep 2018 19:15

Tgt Ion: 76 Resp: 192802

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.48

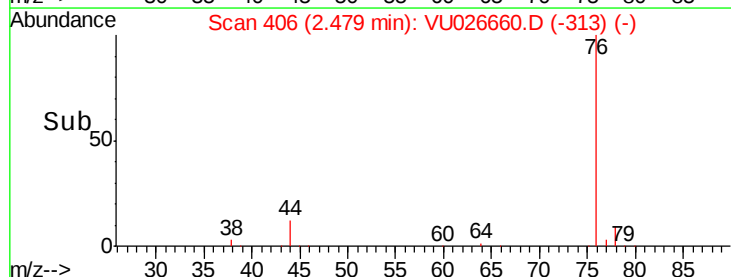
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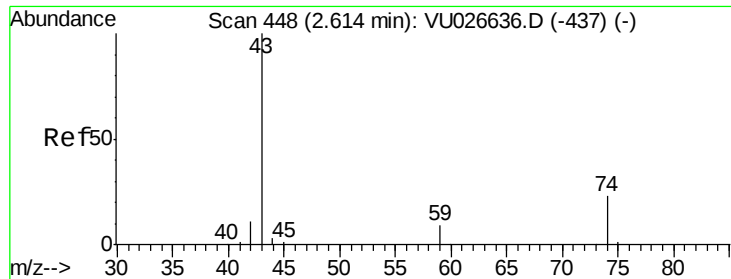
50000

0

Time-->

2.40 2.45 2.50 2.55 2.60

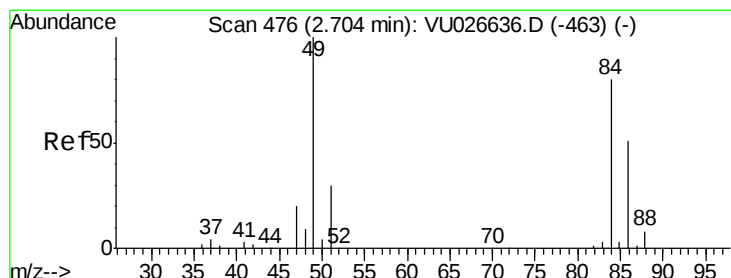
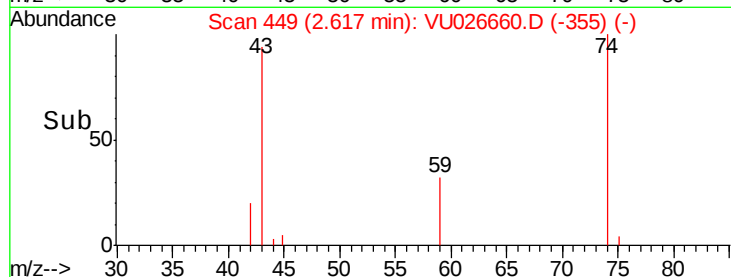
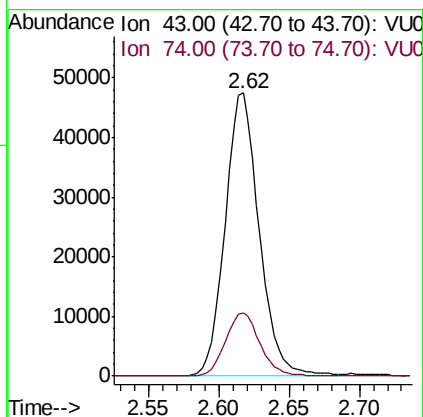
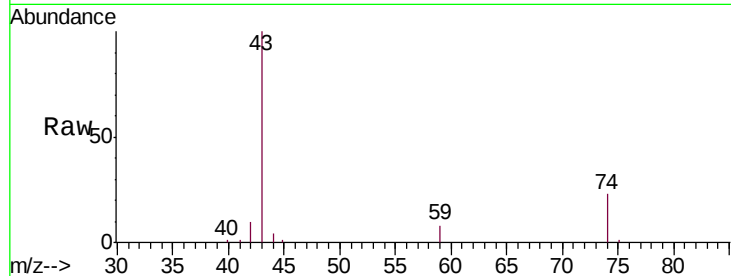




#15
Methyl Acetate
Concen: 53.029 ug/L
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU026660.D
Acq: 10 Sep 2018 19:15

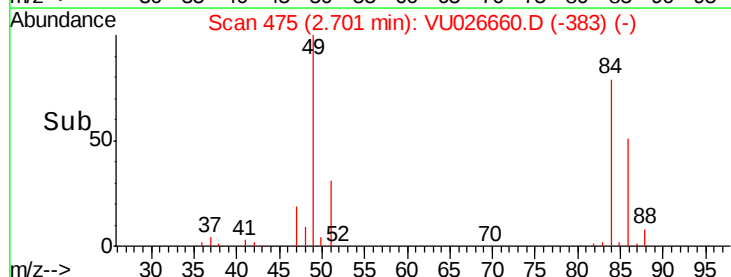
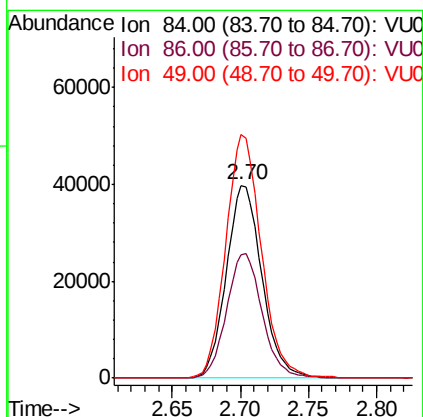
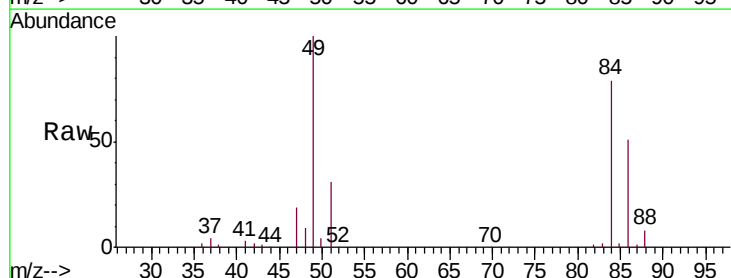
Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

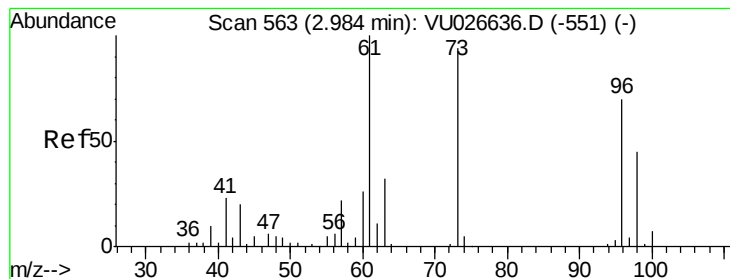
Tgt Ion: 43 Resp: 80093
Ion Ratio Lower Upper
43 100
74 22.5 18.5 27.7



#16
Methylene chloride
Concen: 51.778 ug/L
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU026660.D
Acq: 10 Sep 2018 19:15

Tgt Ion: 84 Resp: 72222
Ion Ratio Lower Upper
84 100
86 64.1 44.1 81.9
49 126.1 87.2 161.9





#17

trans-1,2-Dichloroethene

Concen: 51.154 ug/L

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU026660.D

Acq: 10 Sep 2018 19:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

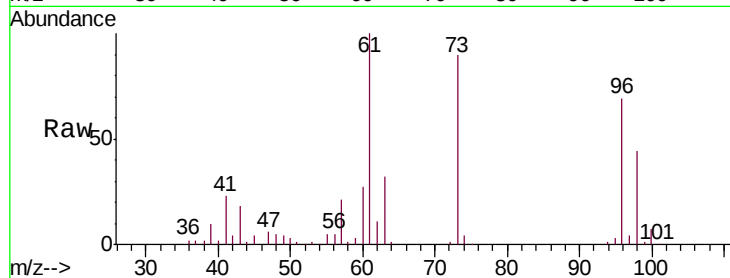
Tgt Ion: 96 Resp: 64063

Ion Ratio Lower Upper

96 100

61 144.7 99.7 185.1

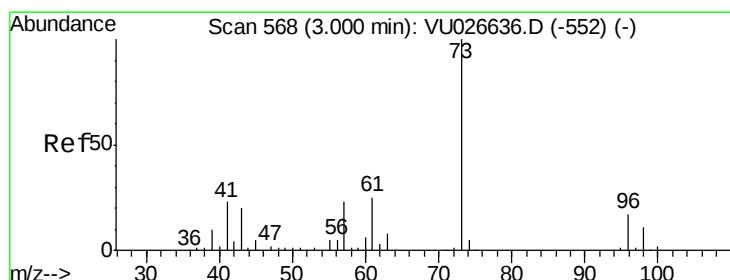
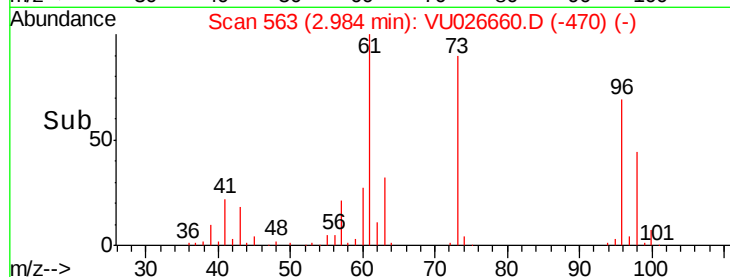
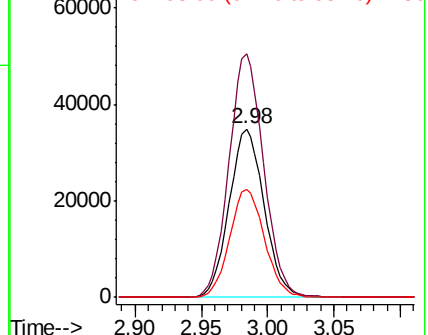
98 64.3 45.1 83.7



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: 52.459 ug/L

RT: 3.00 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU026660.D

Acq: 10 Sep 2018 19:15

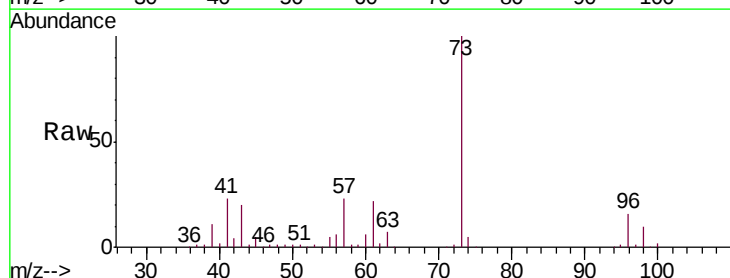
Tgt Ion: 73 Resp: 202437

Ion Ratio Lower Upper

73 100

43 20.4 16.0 24.0

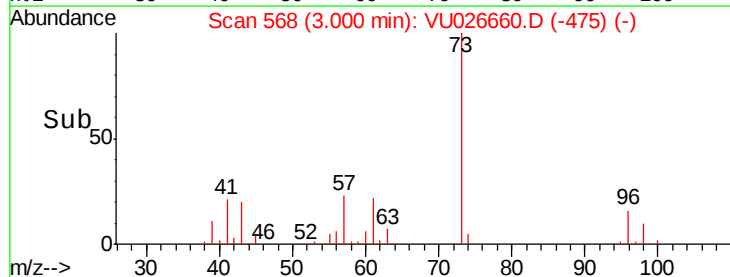
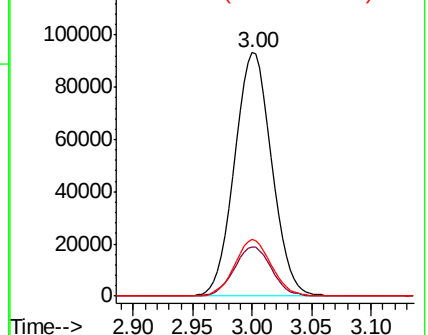
57 22.9 18.6 27.8

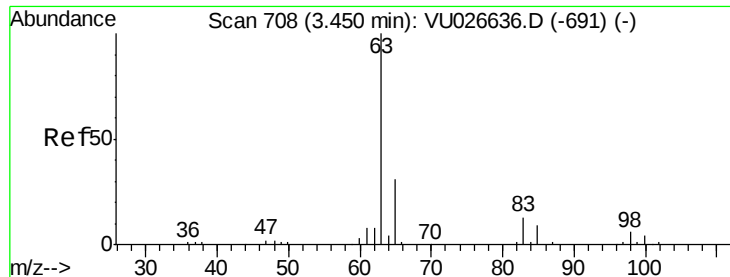


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

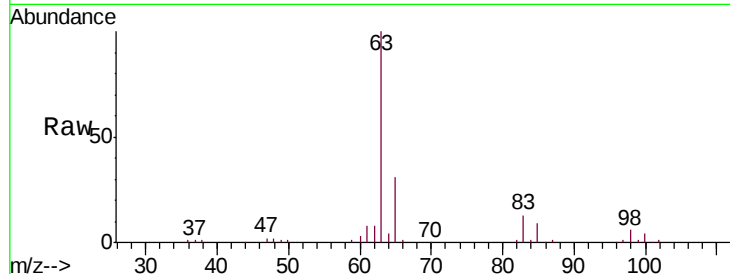




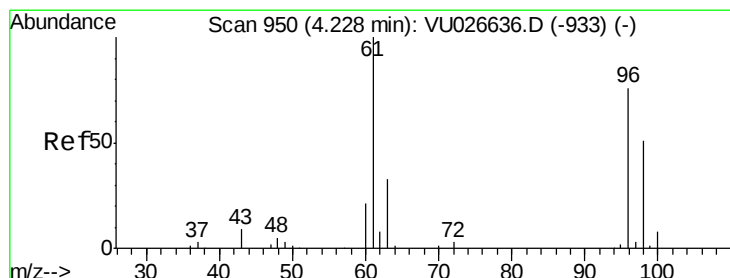
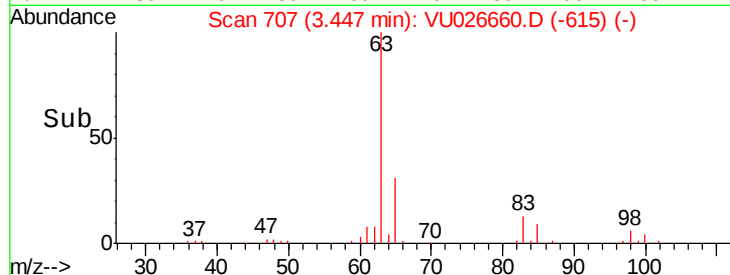
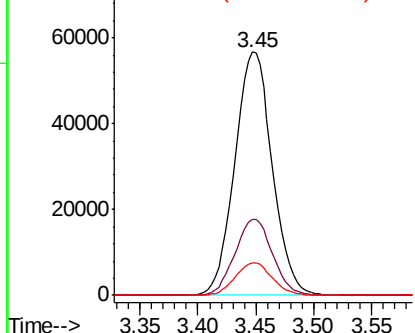
#19
 1,1-Dichloroethane
 Concen: 52.303 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU026660.D
 Acq: 10 Sep 2018 19:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

Tgt Ion: 63 Resp: 127033
 Ion Ratio Lower Upper
 63 100
 65 31.3 21.9 40.7
 83 13.5 9.2 17.2

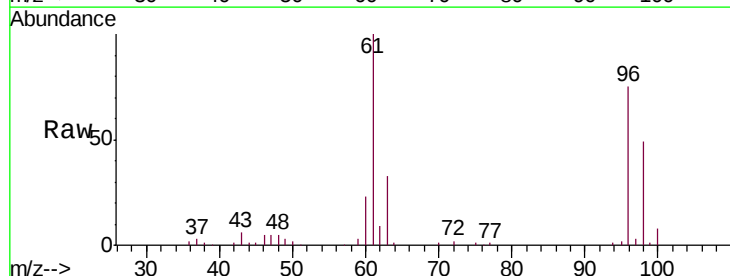


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

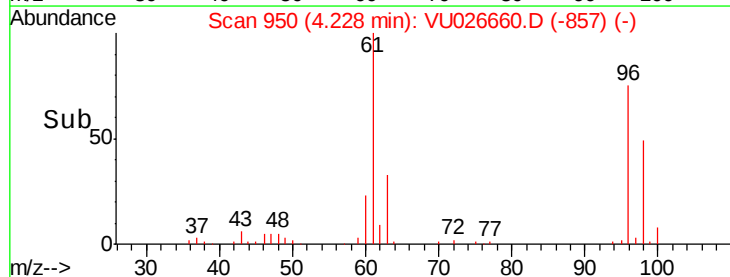
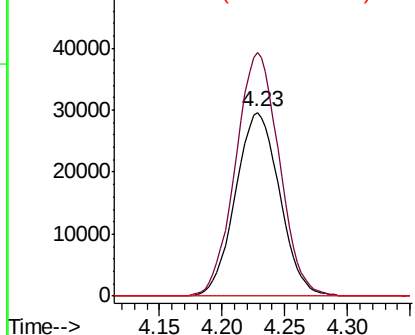


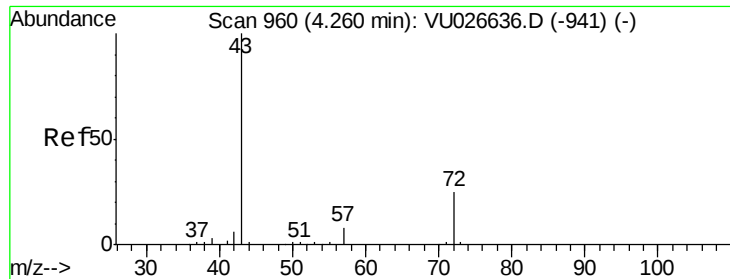
#20
 cis-1,2-Dichloroethene
 Concen: 51.455 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU026660.D
 Acq: 10 Sep 2018 19:15

Tgt Ion: 96 Resp: 72583
 Ion Ratio Lower Upper
 96 100
 61 132.5 92.9 172.5
 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: 90.887 ug/L

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU026660.D

Acq: 10 Sep 2018 19:15

Instrument :

MSVOA_U

ClientSampleId :

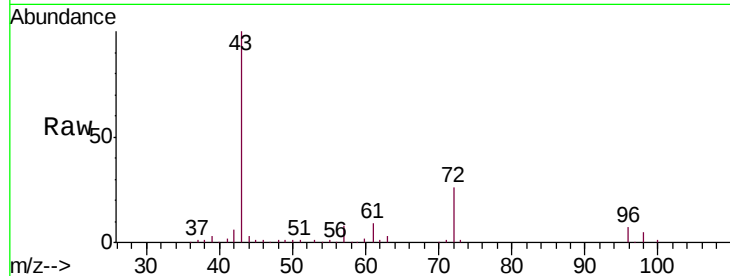
VSTD05054

Tgt Ion: 43 Resp: 110172

Ion Ratio Lower Upper

43 100

72 26.3 12.9 38.6

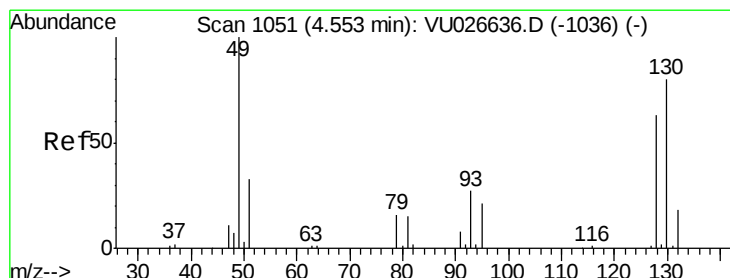
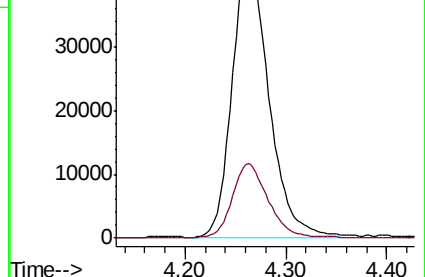
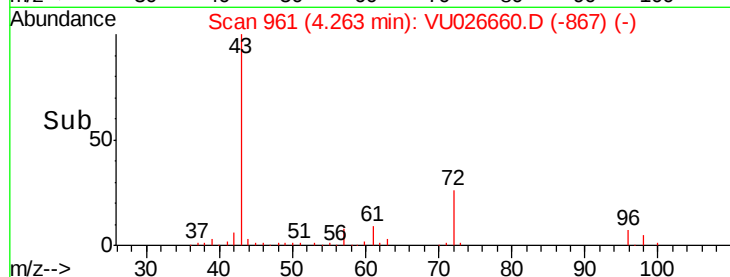


Abundance Ion 43.00 (42.70 to 43.70): VU026660.D (-967) (-)

Ion 72.00 (71.70 to 72.70): VU026660.D (-967) (-)

4.26

Time-->



#23

Bromochloromethane

Concen: 52.262 ug/L

RT: 4.55 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU026660.D

Acq: 10 Sep 2018 19:15

Tgt Ion: 128 Resp: 37706

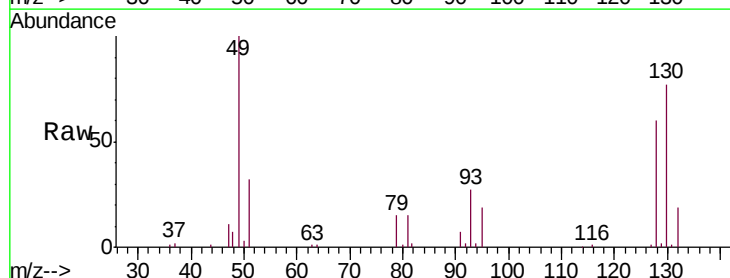
Ion Ratio Lower Upper

128 100

49 166.2 111.7 207.5

130 127.8 89.0 165.2

51 53.1 42.0 63.0



Abundance Ion 128.00 (127.70 to 128.70): VU026660.D (-958) (-)

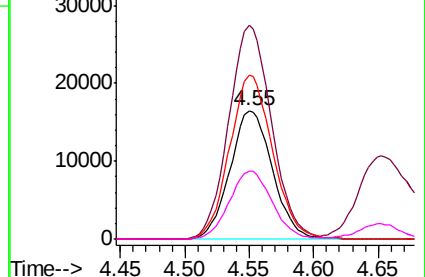
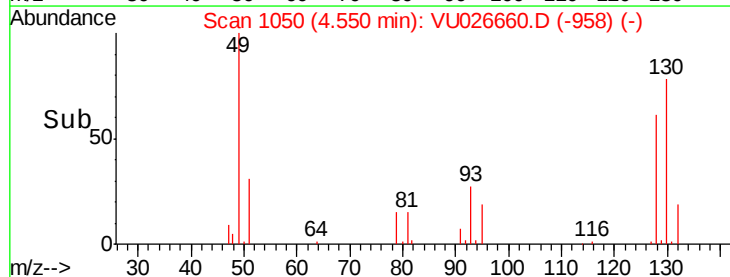
Ion 49.00 (48.70 to 49.70): VU026660.D (-958) (-)

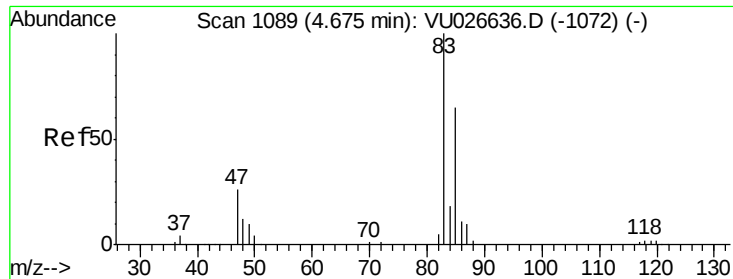
Ion 130.00 (129.70 to 130.70): VU026660.D (-958) (-)

Ion 51.00 (50.70 to 51.70): VU026660.D (-958) (-)

4.55

Time-->

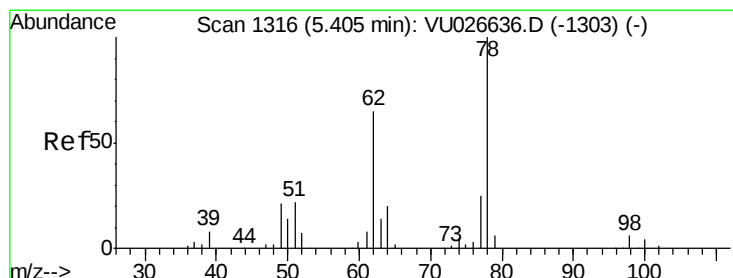
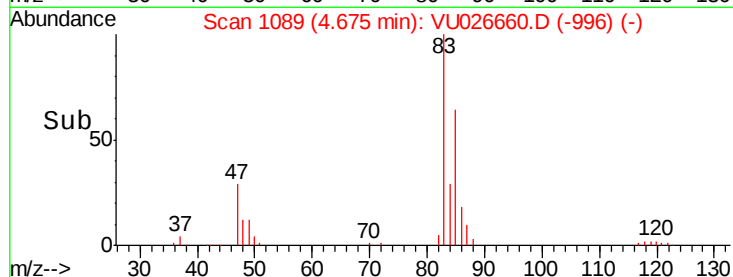
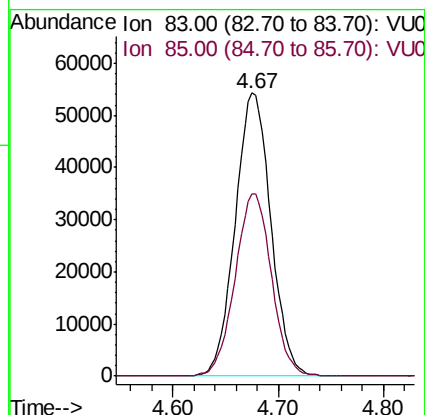
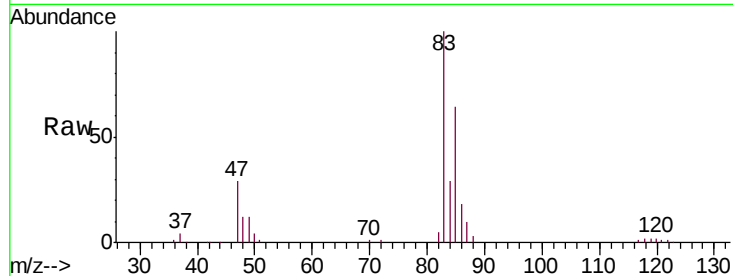




#25
Chloroform
Concen: 52.305 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU026660.D
Acq: 10 Sep 2018 19:15

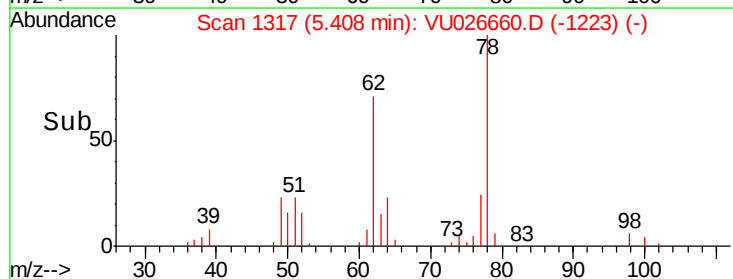
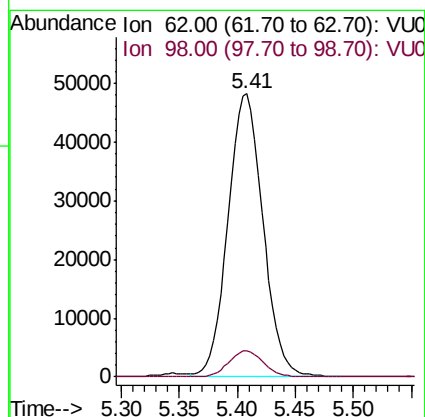
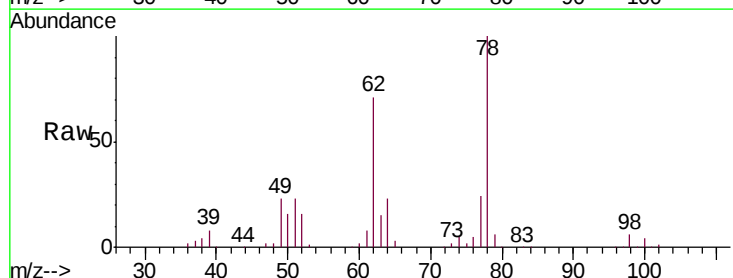
Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

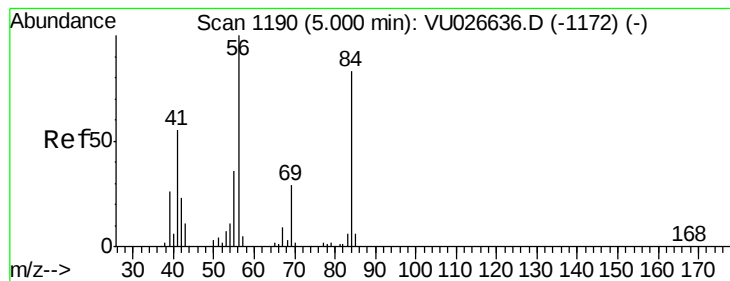
Tgt Ion: 83 Resp: 127689
Ion Ratio Lower Upper
83 100
85 64.4 45.6 84.6



#27
1,2-Dichloroethane
Concen: 52.162 ug/L
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU026660.D
Acq: 10 Sep 2018 19:15

Tgt Ion: 62 Resp: 101114
Ion Ratio Lower Upper
62 100
98 9.1 7.4 11.0





#29

Cyclohexane

Concen: 54.018 ug/L

RT: 5.00 min Scan# 1190

Delta R.T. 0.00 min

Lab File: VU026660.D

Acq: 10 Sep 2018 19:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

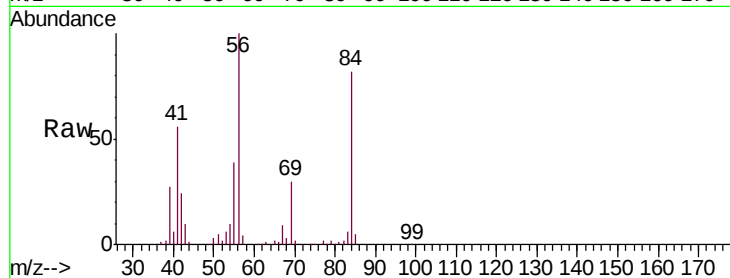
Tgt Ion: 56 Resp: 112124

Ion Ratio Lower Upper

56 100

69 29.4 23.0 34.6

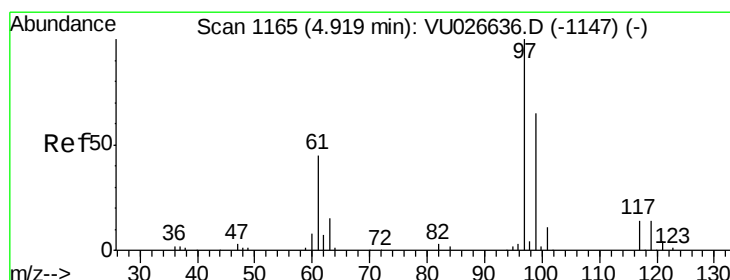
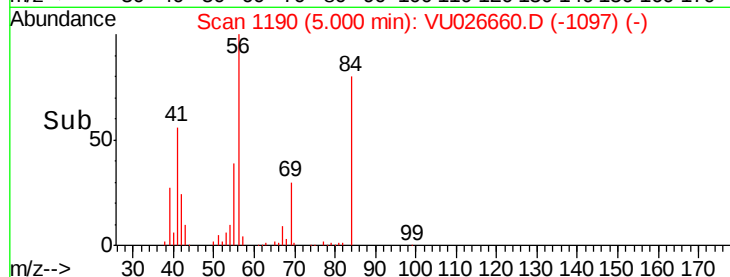
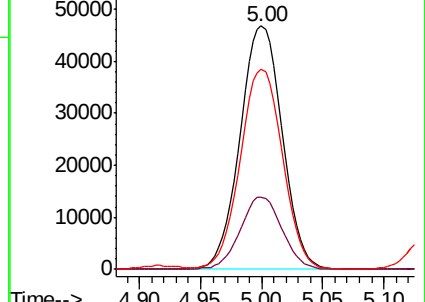
84 82.6 66.5 99.7



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: 52.754 ug/L

RT: 4.92 min Scan# 1165

Delta R.T. 0.00 min

Lab File: VU026660.D

Acq: 10 Sep 2018 19:15

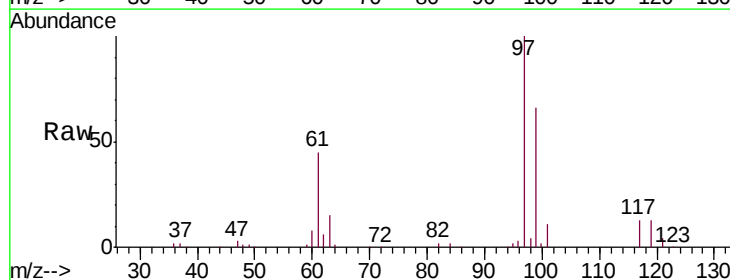
Tgt Ion: 97 Resp: 105902

Ion Ratio Lower Upper

97 100

99 65.3 51.5 77.3

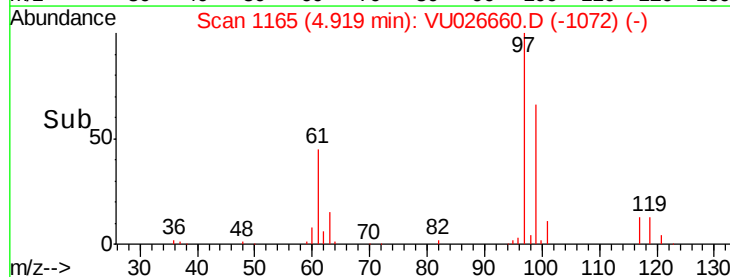
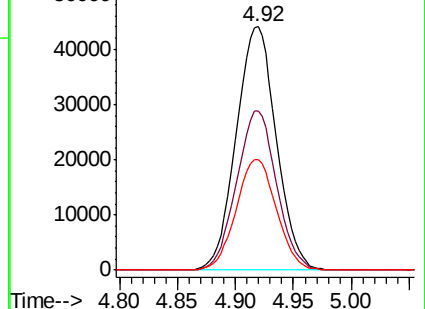
61 45.7 36.2 54.2

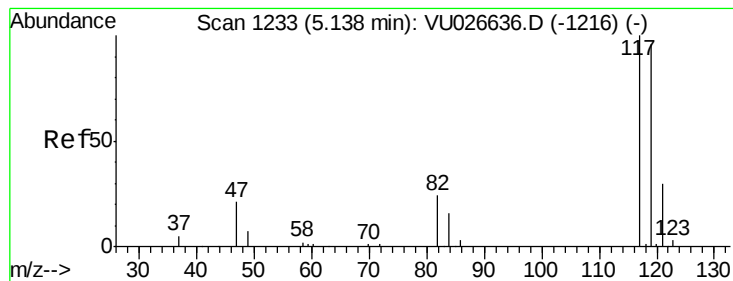


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 52.833 ug/L

RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU026660.D

Acq: 10 Sep 2018 19:15

Instrument :

MSVOA_U

ClientSampleId :

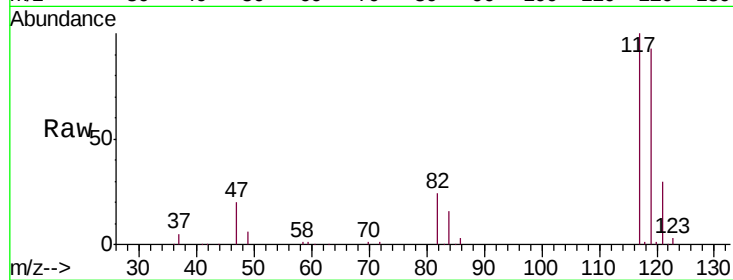
VSTD05054

Tgt Ion:117 Resp: 95867

Ion Ratio Lower Upper

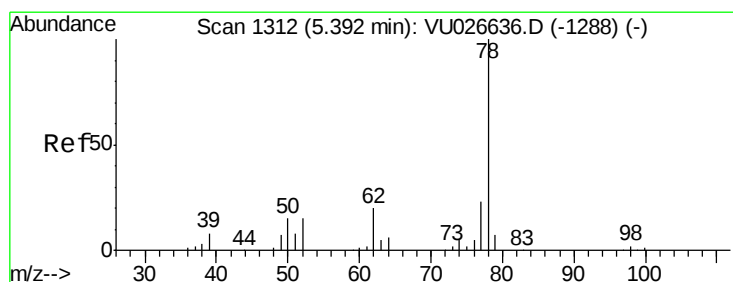
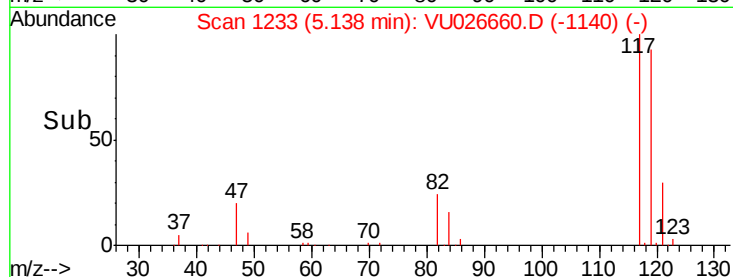
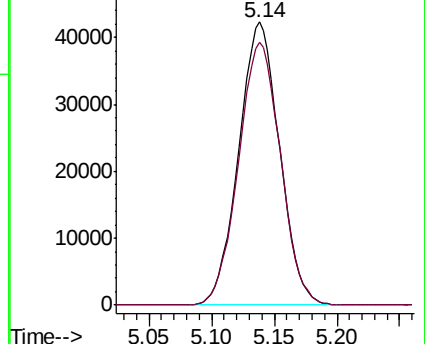
117 100

119 95.3 77.6 116.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 53.035 ug/L

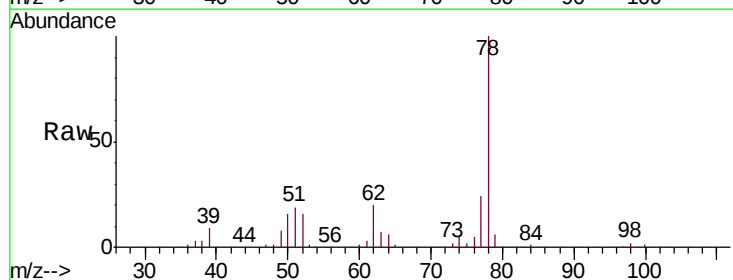
RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

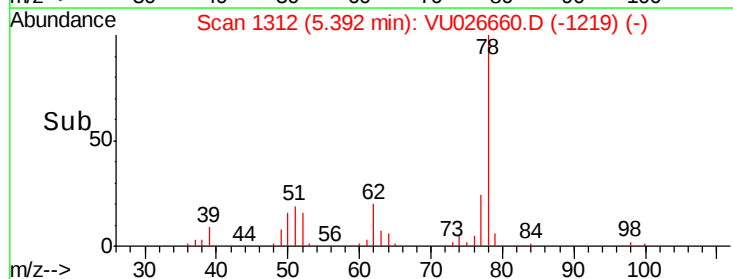
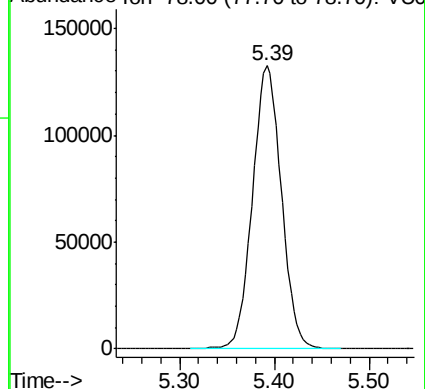
Lab File: VU026660.D

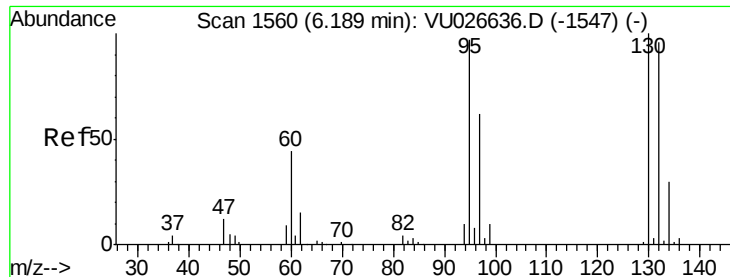
Acq: 10 Sep 2018 19:15

Tgt Ion: 78 Resp: 281433



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 52.051 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU026660.D

Acq: 10 Sep 2018 19:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

Tgt Ion: 95 Resp: 68654

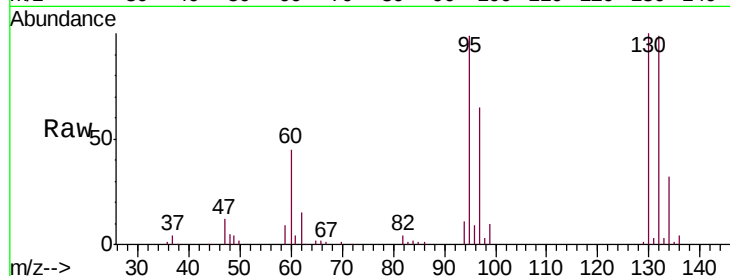
Ion Ratio Lower Upper

95 100

97 65.3 44.9 83.5

132 99.6 69.7 129.5

130 101.1 72.4 134.4

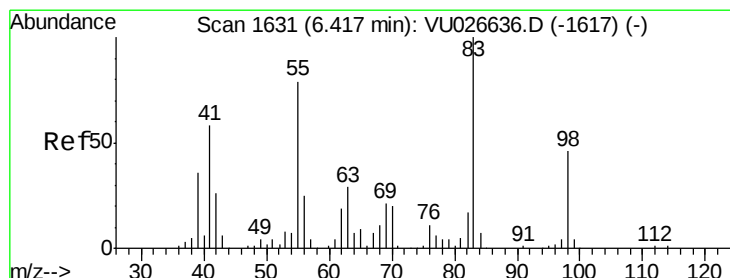
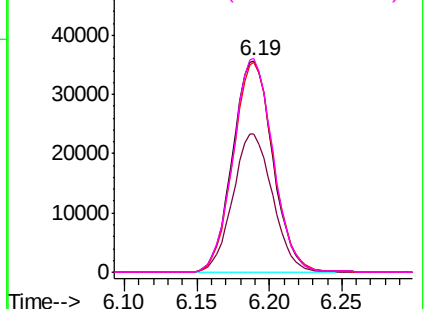
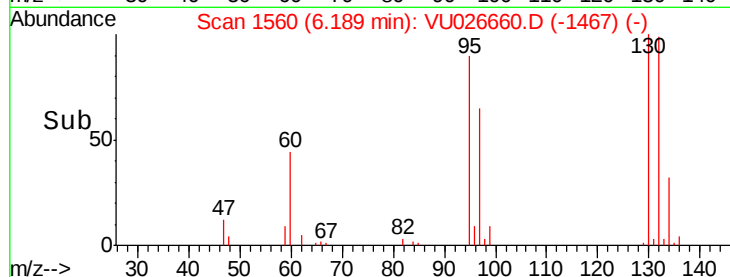


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 53.666 ug/L

RT: 6.42 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU026660.D

Acq: 10 Sep 2018 19:15

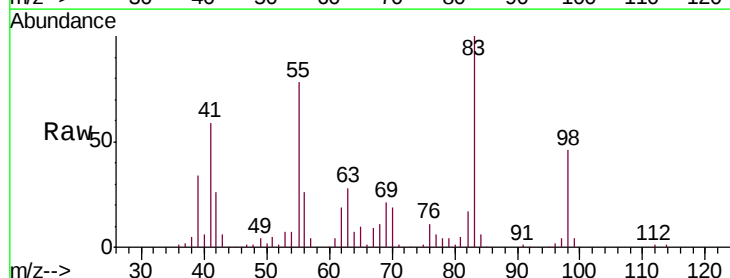
Tgt Ion: 83 Resp: 113303

Ion Ratio Lower Upper

83 100

55 77.9 62.9 94.3

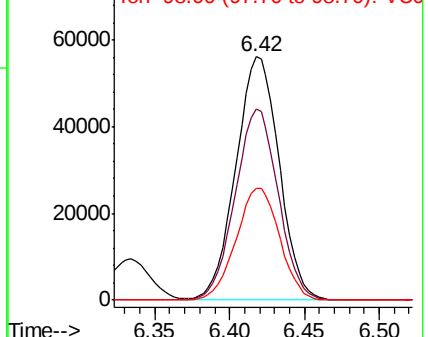
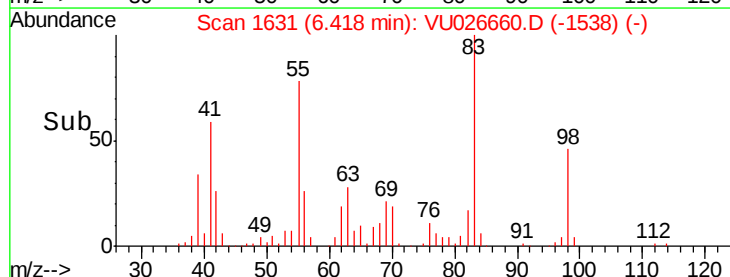
98 46.1 37.0 55.4

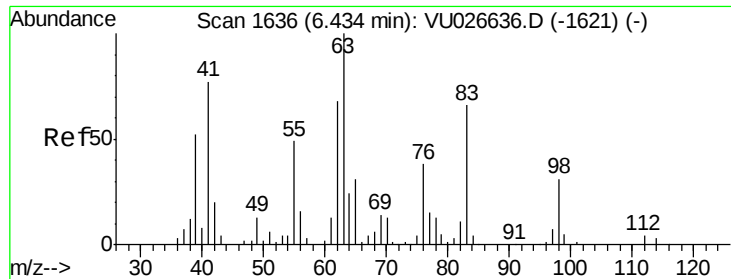


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

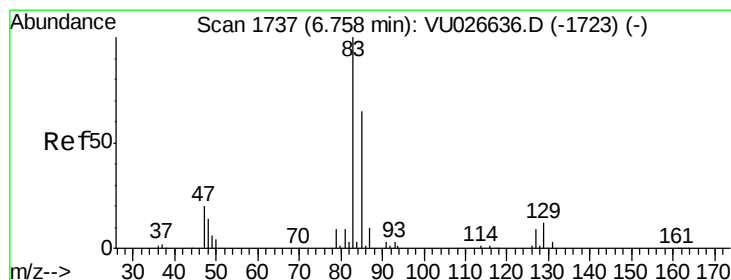
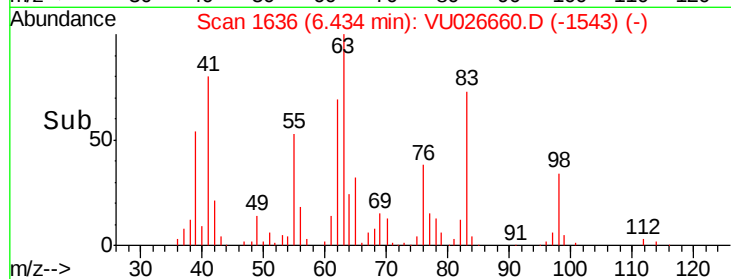
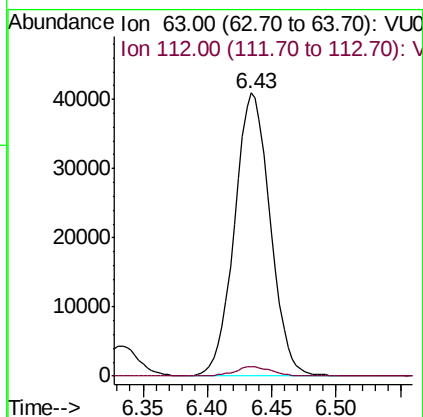
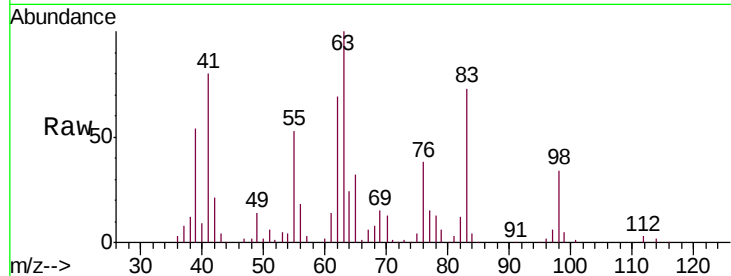




#37
 1,2-Dichloropropane
 Concen: 53.187 ug/L
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU026660.D
 Acq: 10 Sep 2018 19:15

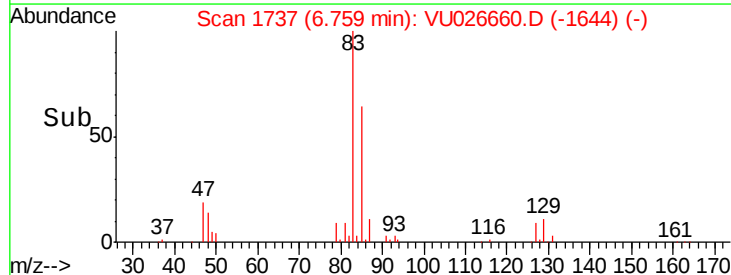
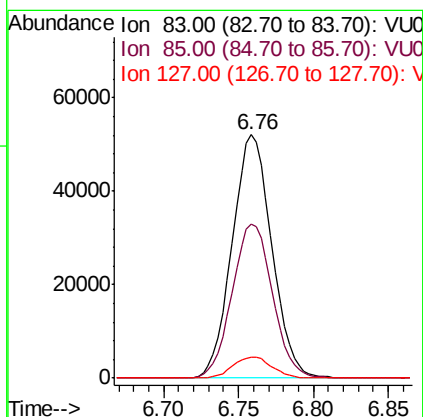
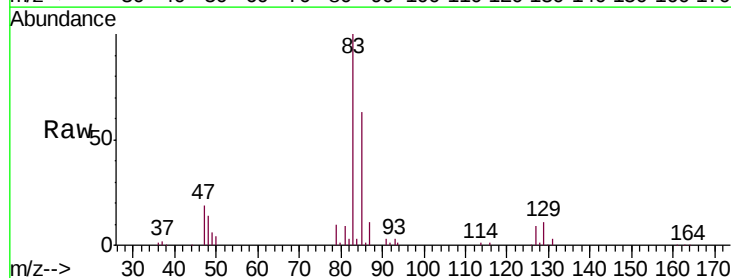
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

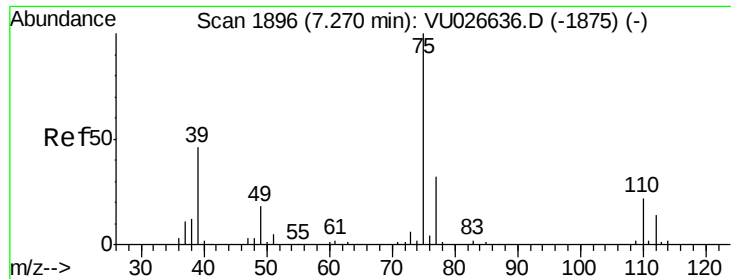
Tgt Ion: 63 Resp: 78848
 Ion Ratio Lower Upper
 63 100
 112 3.5 2.9 4.3



#38
 Bromodichloromethane
 Concen: 53.034 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU026660.D
 Acq: 10 Sep 2018 19:15

Tgt Ion: 83 Resp: 96348
 Ion Ratio Lower Upper
 83 100
 85 63.4 45.1 83.9
 127 8.5 7.2 10.8

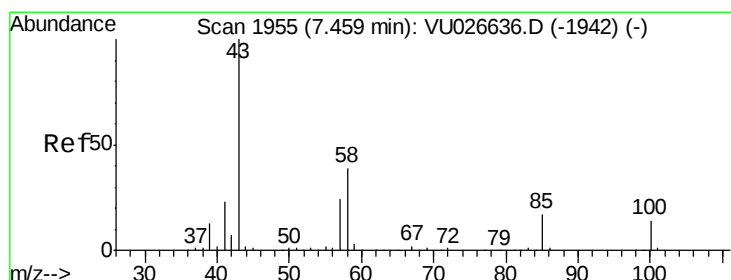
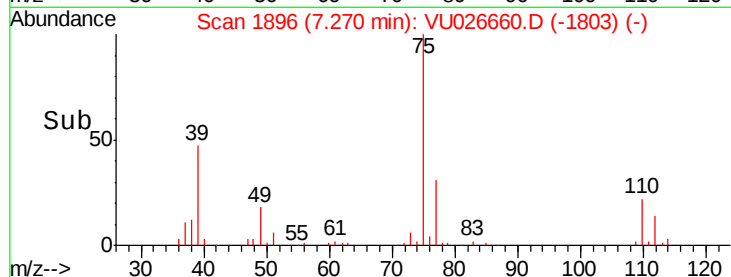
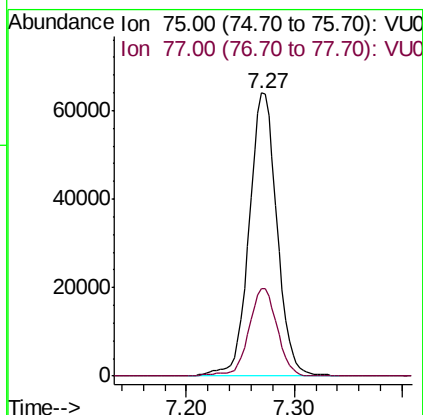
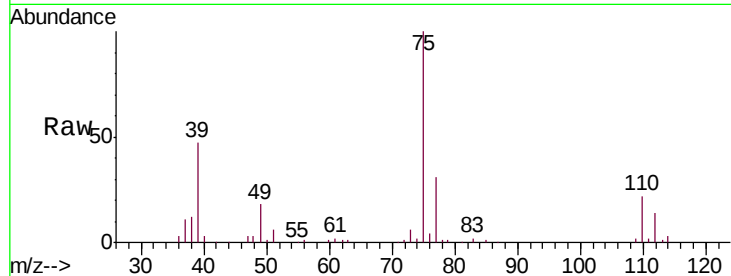




#39
 cis-1,3-Dichloropropene
 Concen: 52.303 ug/L
 RT: 7.27 min Scan# 1896
 Delta R.T. 0.00 min
 Lab File: VU026660.D
 Acq: 10 Sep 2018 19:15

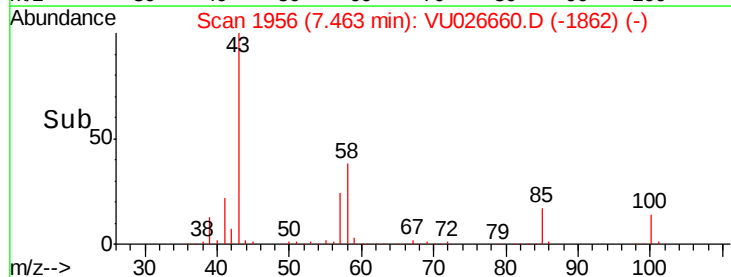
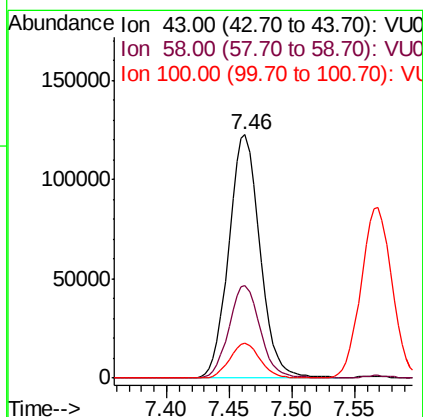
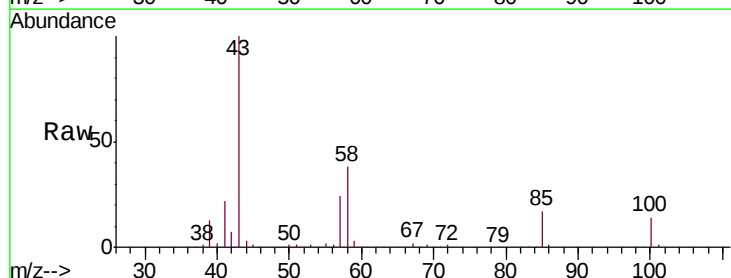
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

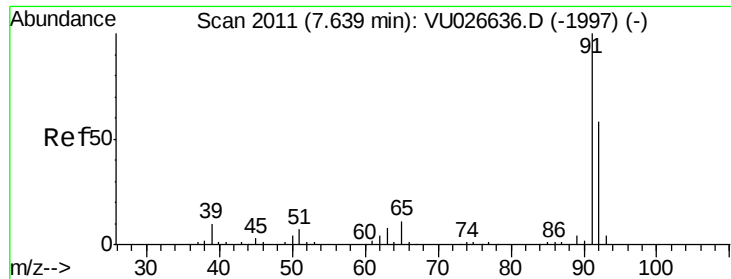
Tgt Ion: 75 Resp: 114735
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 112.108 ug/L
 RT: 7.46 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VU026660.D
 Acq: 10 Sep 2018 19:15

Tgt Ion: 43 Resp: 211997
 Ion Ratio Lower Upper
 43 100
 58 38.2 31.1 46.7
 100 14.0 11.3 16.9





#42

Toluene

Concen: 53.869 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU026660.D

Acq: 10 Sep 2018 19:15

Instrument :

MSVOA_U

ClientSampleId :

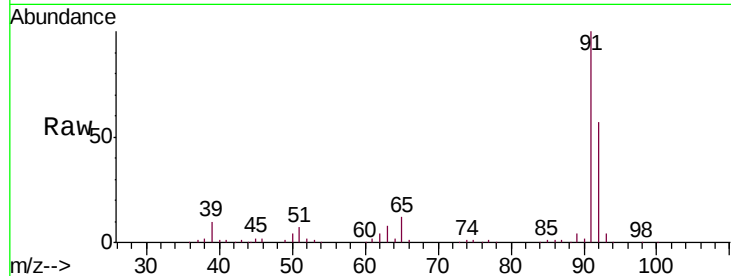
VSTD05054

Tgt Ion: 91 Resp: 296288

Ion Ratio Lower Upper

91 100

92 57.1 40.3 74.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

7.64

200000

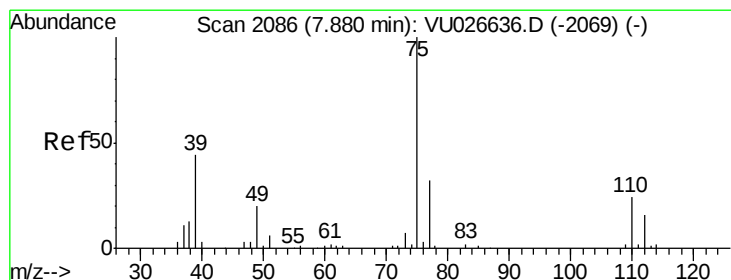
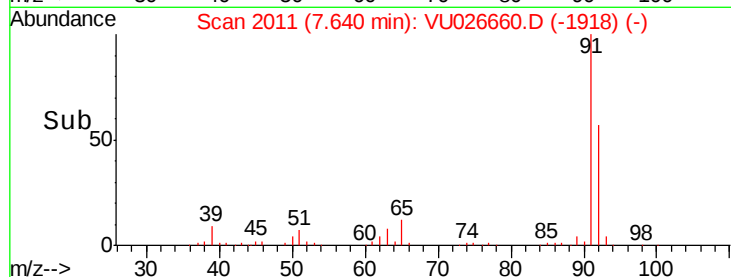
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 51.719 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU026660.D

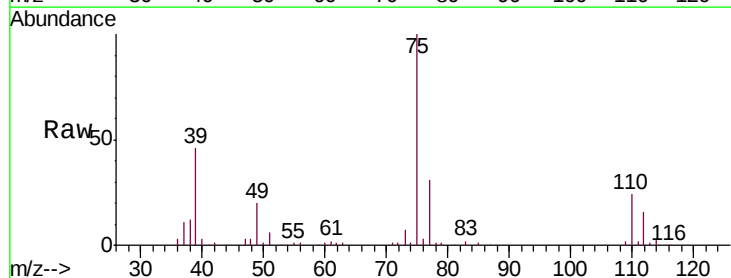
Acq: 10 Sep 2018 19:15

Tgt Ion: 75 Resp: 105549

Ion Ratio Lower Upper

75 100

77 31.5 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

7.88

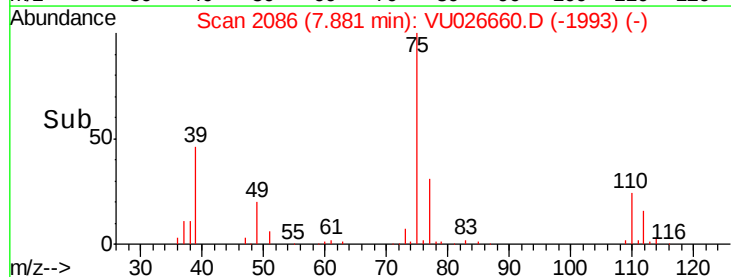
60000

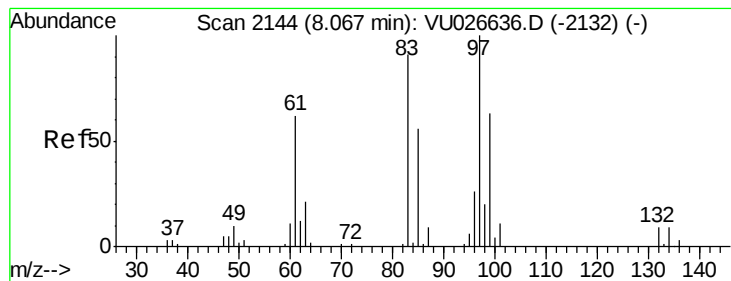
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 52.343 ug/L

RT: 8.07 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU026660.D

Acq: 10 Sep 2018 19:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

Tgt Ion: 97 Resp: 68830

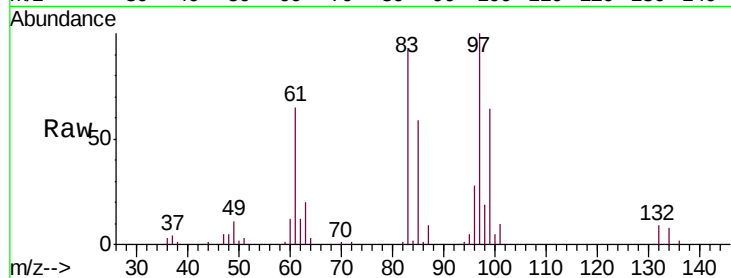
Ion Ratio Lower Upper

97 100

99 64.4 44.2 82.2

83 91.8 63.8 118.6

85 58.9 39.4 73.2

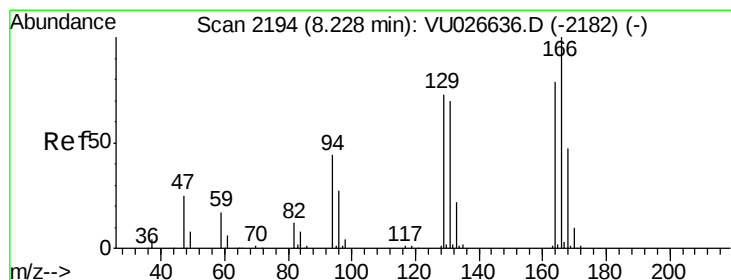
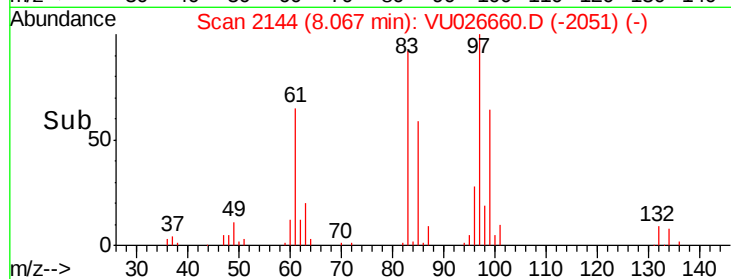
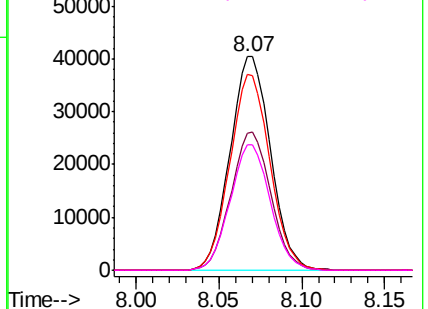


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 51.948 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU026660.D

Acq: 10 Sep 2018 19:15

Tgt Ion: 164 Resp: 57584

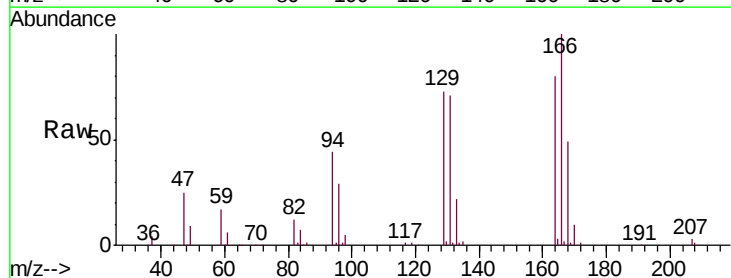
Ion Ratio Lower Upper

164 100

129 91.9 65.0 120.8

131 89.6 62.5 116.1

166 125.6 89.0 165.2

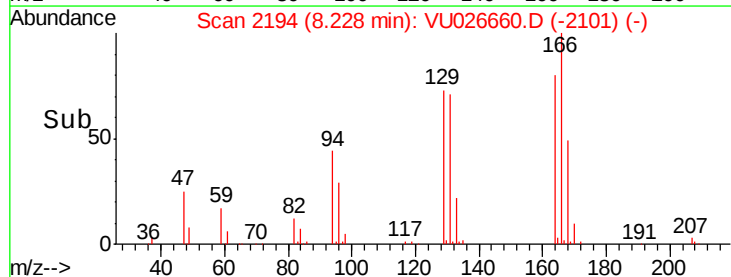
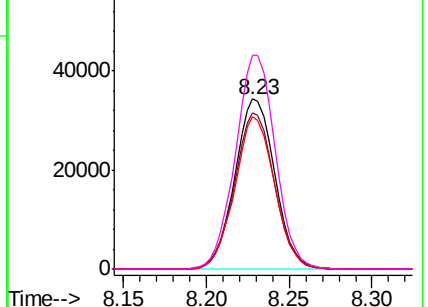


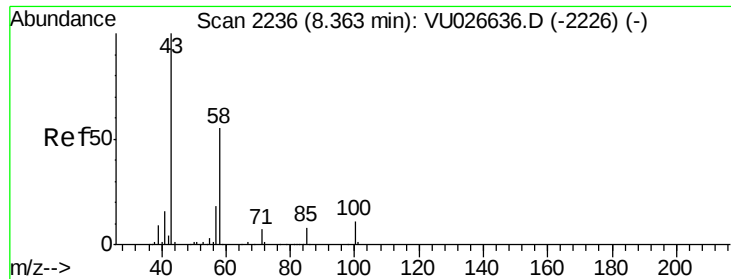
Abundance Ion 164.00 (163.70 to 164.70): V

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

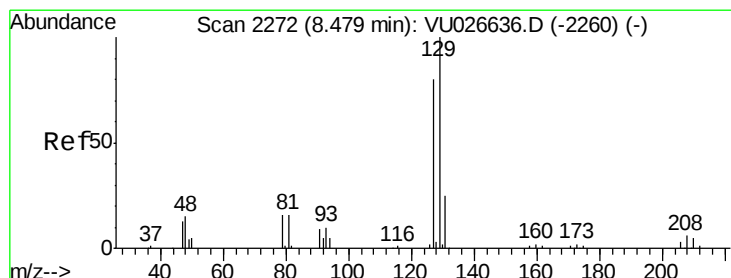
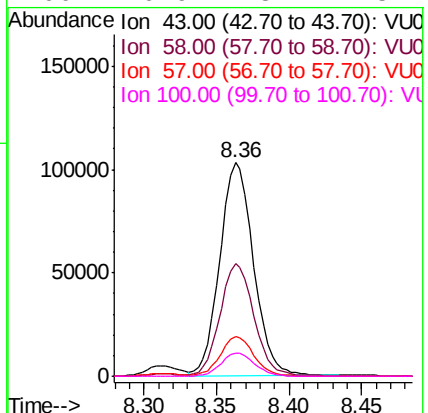
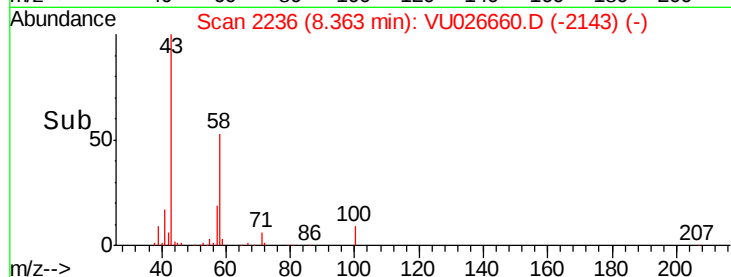
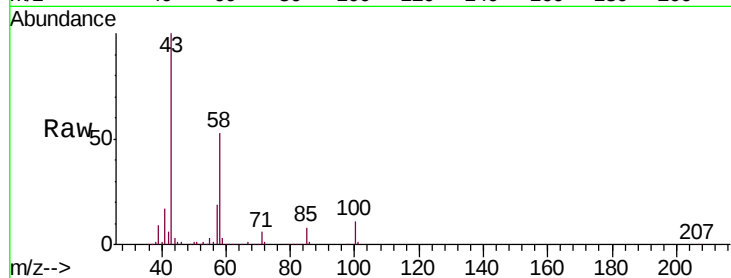




#48
2-Hexanone
Concen: 103.849 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU026660.D
Acq: 10 Sep 2018 19:15

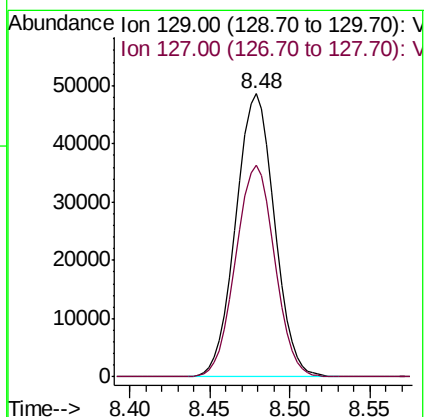
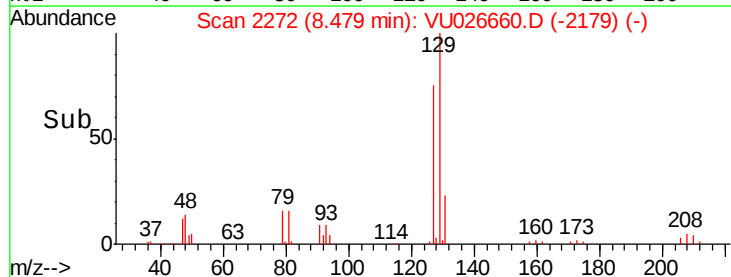
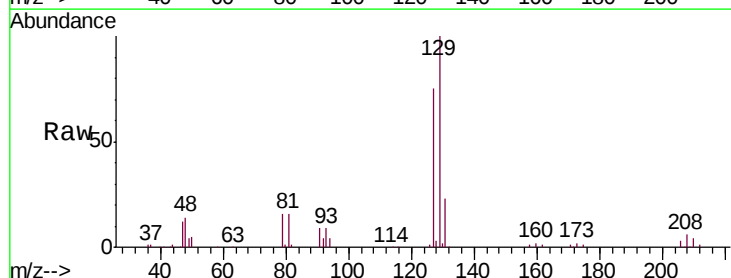
Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

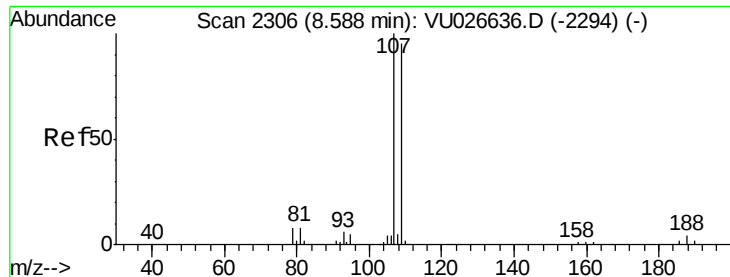
Tgt Ion: 43 Resp: 165799
Ion Ratio Lower Upper
43 100
58 53.0 42.2 63.4
57 18.2 14.4 21.6
100 10.9 8.7 13.1



#49
Dibromochloromethane
Concen: 52.826 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU026660.D
Acq: 10 Sep 2018 19:15

Tgt Ion: 129 Resp: 80292
Ion Ratio Lower Upper
129 100
127 74.7 55.8 103.6

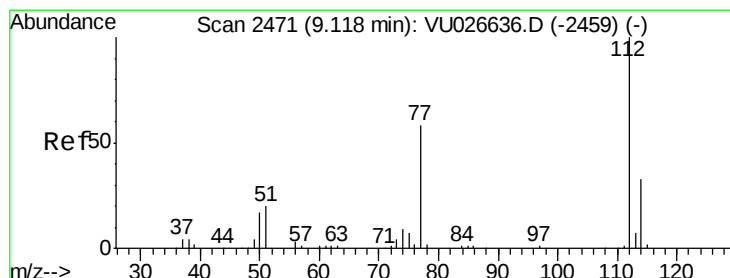
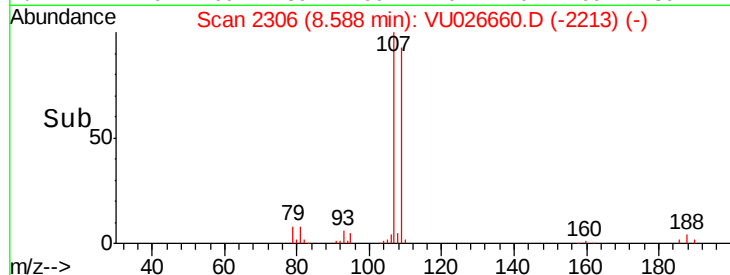
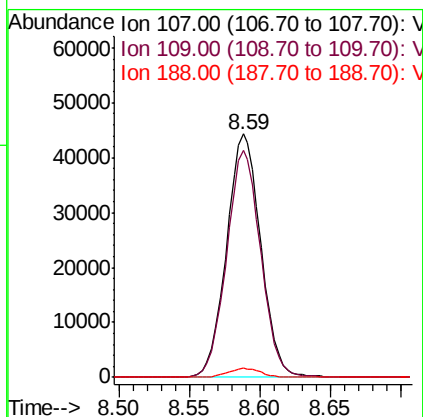
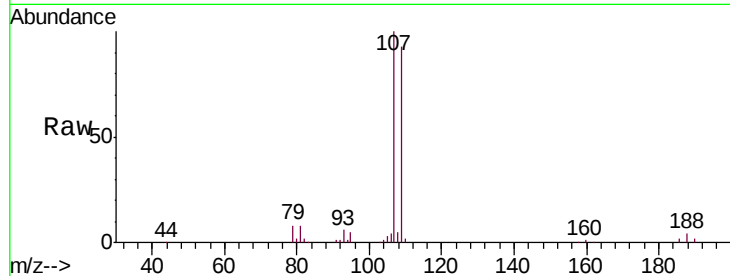




#50
1,2-Dibromoethane
Concen: 53.318 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VU026660.D
Acq: 10 Sep 2018 19:15

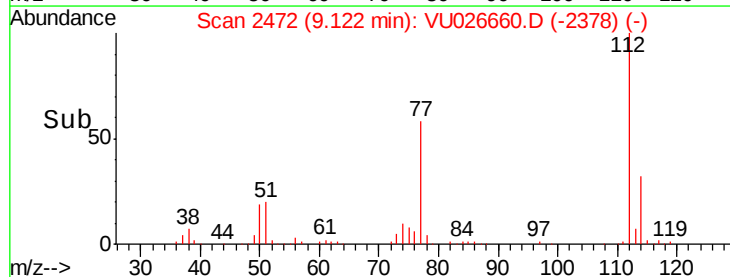
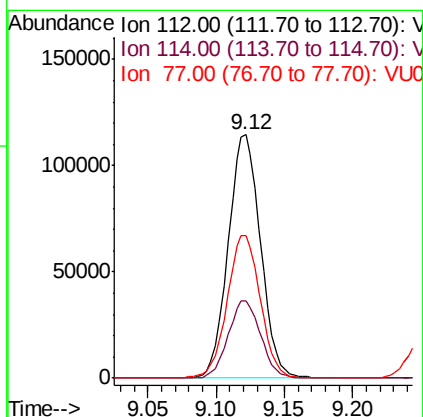
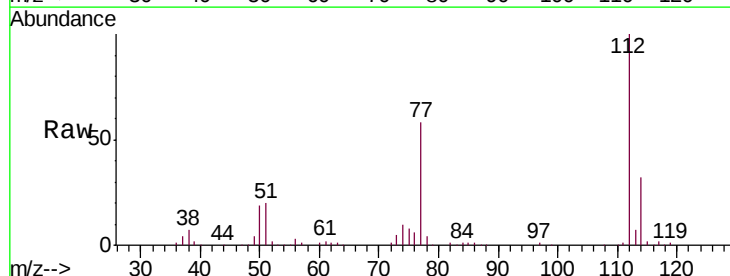
Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

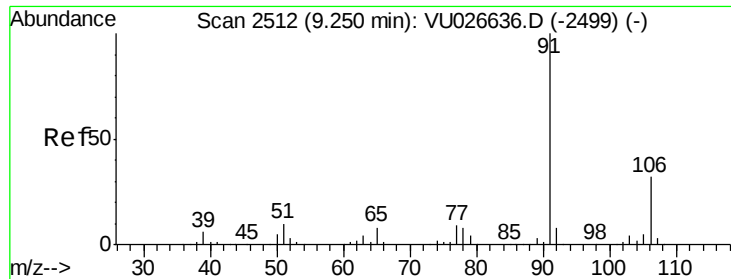
Tgt Ion:107 Resp: 75001
Ion Ratio Lower Upper
107 100
109 93.4 66.4 123.4
188 3.7 3.0 4.4



#51
Chlorobenzene
Concen: 52.187 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU026660.D
Acq: 10 Sep 2018 19:15

Tgt Ion:112 Resp: 188468
Ion Ratio Lower Upper
112 100
114 31.7 22.9 42.5
77 58.4 47.2 70.8





#52

Ethylbenzene

Concen: 53.736 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU026660.D

Acq: 10 Sep 2018 19:15

Instrument :

MSVOA_U

ClientSampleId :

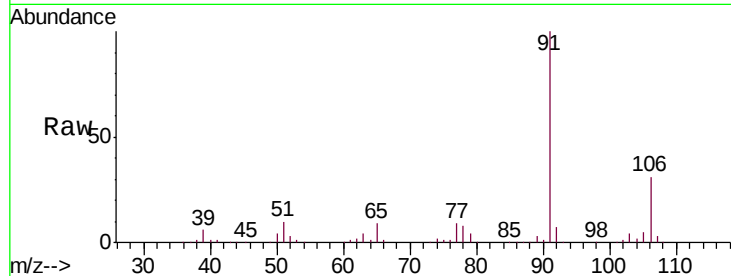
VSTD05054

Tgt Ion: 91 Resp: 319639

Ion Ratio Lower Upper

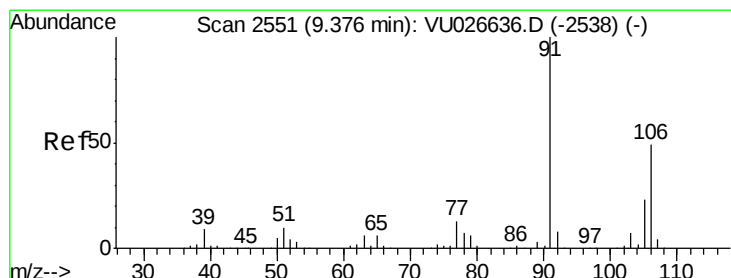
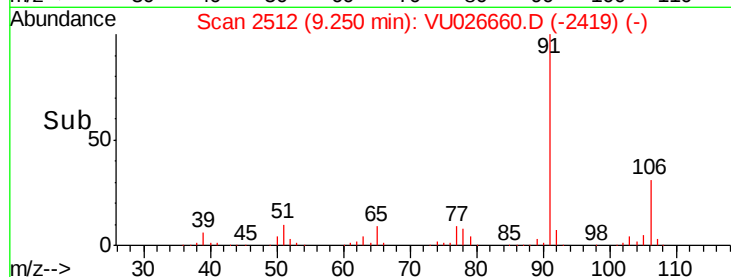
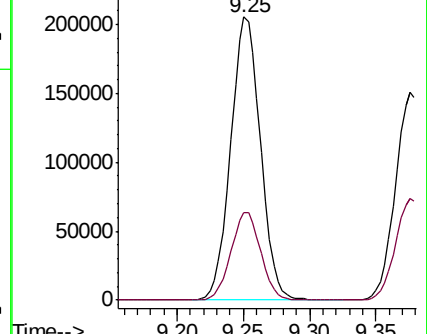
91 100

106 31.0 22.1 41.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 53.831 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU026660.D

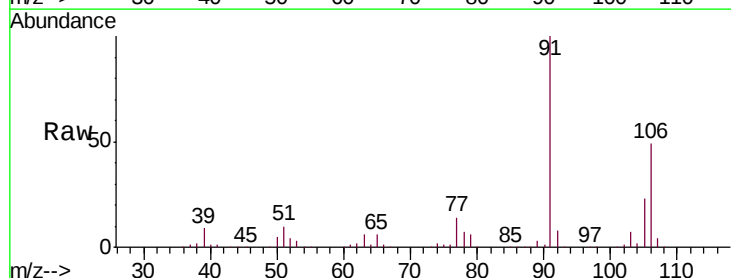
Acq: 10 Sep 2018 19:15

Tgt Ion: 106 Resp: 120735

Ion Ratio Lower Upper

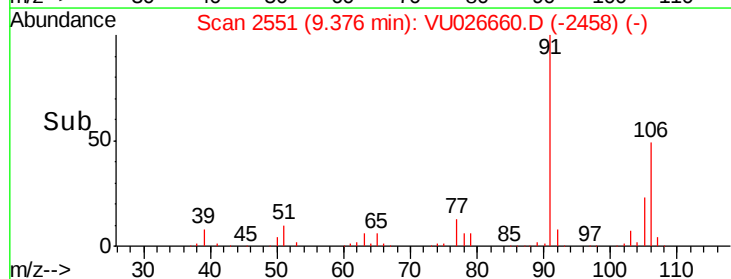
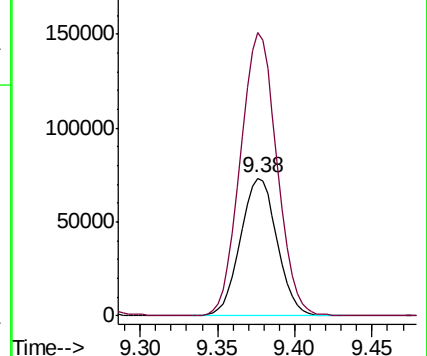
106 100

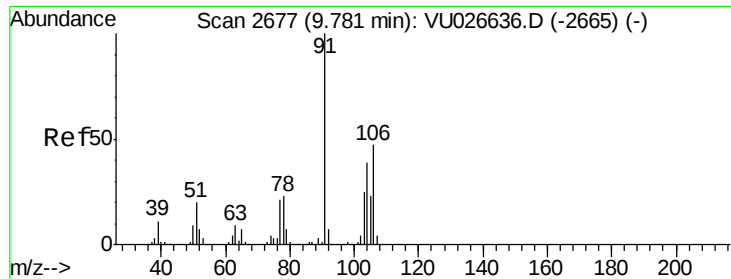
91 205.6 142.9 265.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

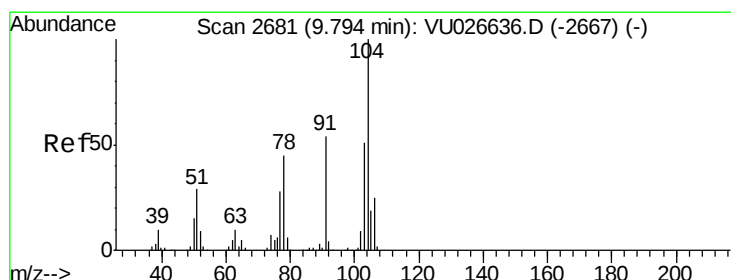
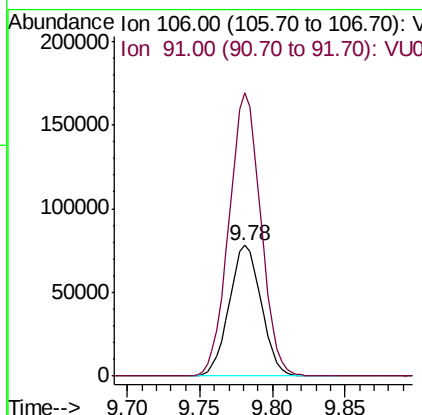
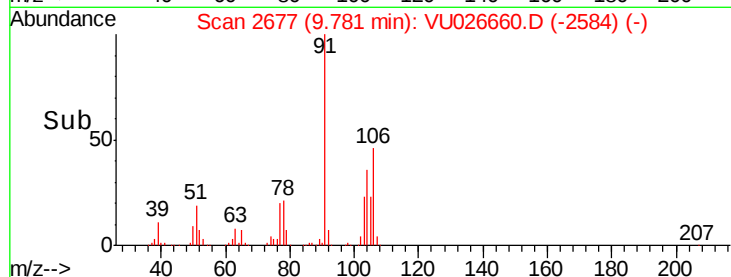
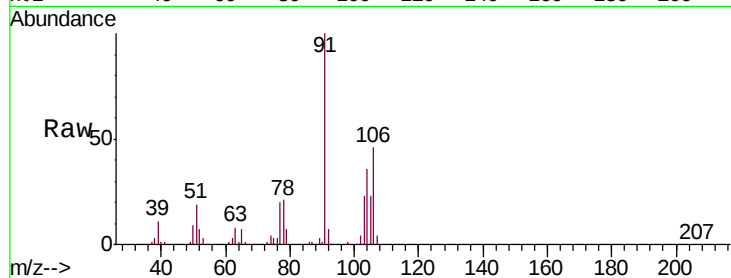




#54
o-xylene
Concen: 54.016 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU026660.D
Acq: 10 Sep 2018 19:15

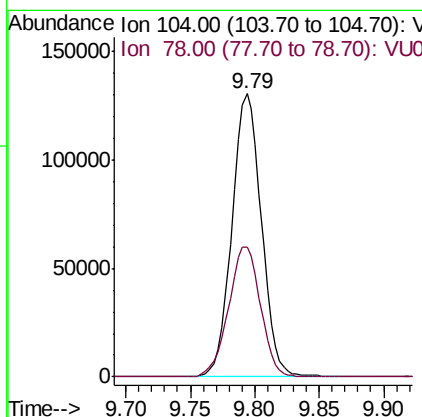
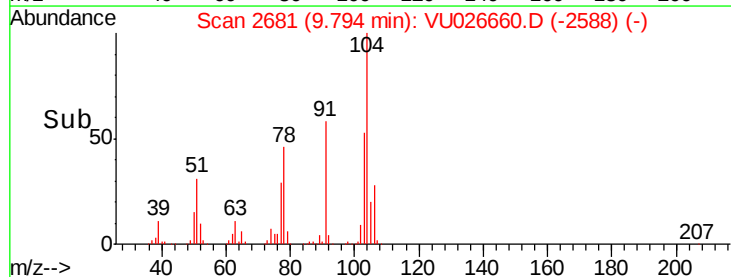
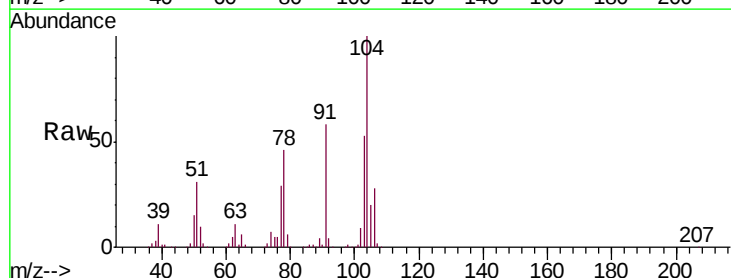
Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

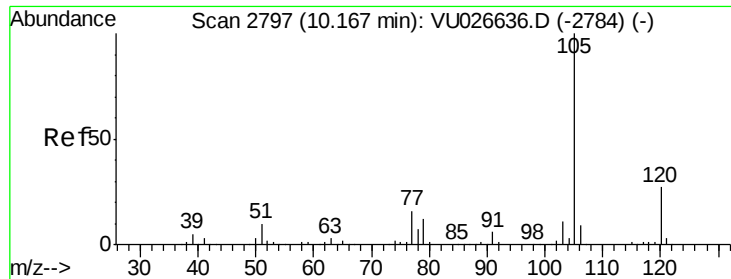
Tgt Ion:106 Resp: 120237
Ion Ratio Lower Upper
106 100
91 216.1 149.4 277.4



#55
Styrene
Concen: 55.013 ug/L
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU026660.D
Acq: 10 Sep 2018 19:15

Tgt Ion:104 Resp: 207144
Ion Ratio Lower Upper
104 100
78 46.0 31.7 58.9





#56

Isopropylbenzene

Concen: 54.644 ug/L

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU026660.D

Acq: 10 Sep 2018 19:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

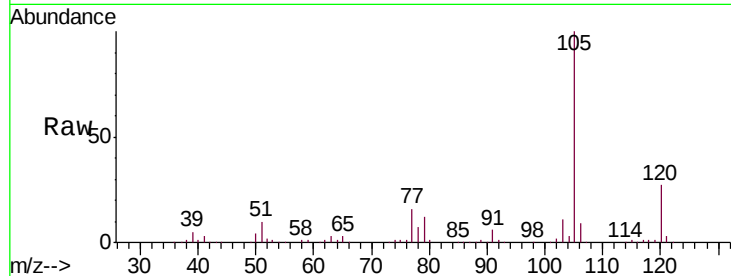
Tgt Ion: 105 Resp: 309854

Ion Ratio Lower Upper

105 100

120 26.5 21.5 32.3

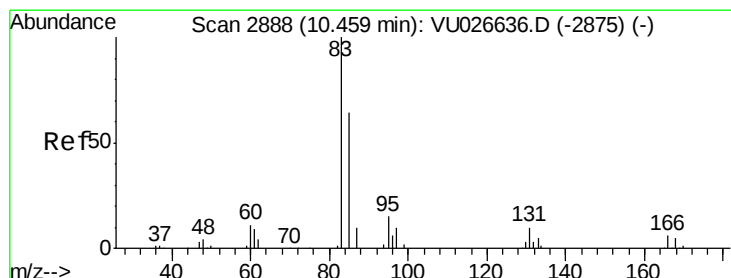
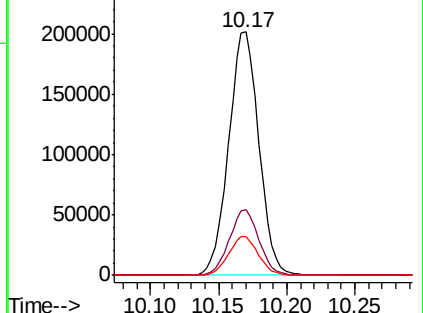
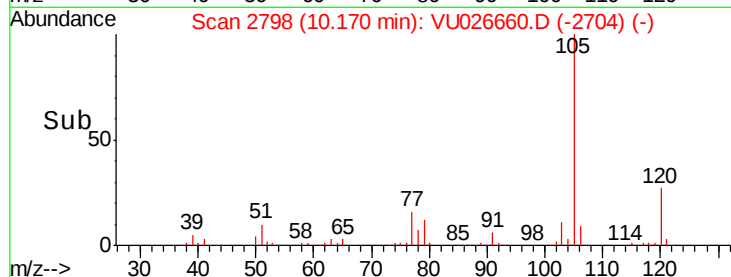
77 15.8 12.6 18.8



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: 53.266 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU026660.D

Acq: 10 Sep 2018 19:15

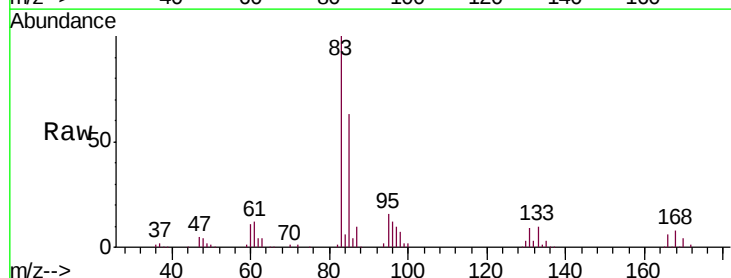
Tgt Ion: 83 Resp: 121343

Ion Ratio Lower Upper

83 100

85 63.3 45.4 84.2

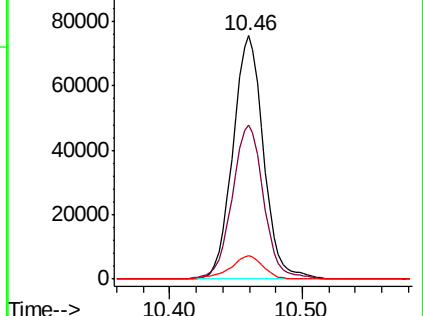
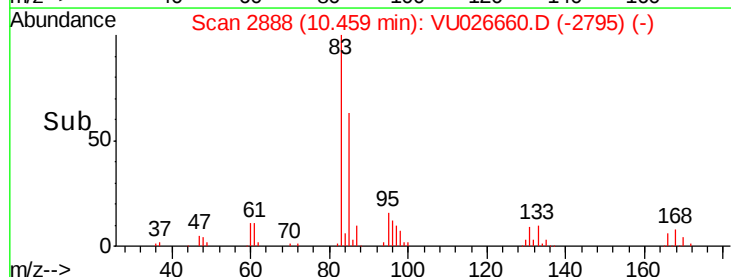
131 9.4 8.0 12.0

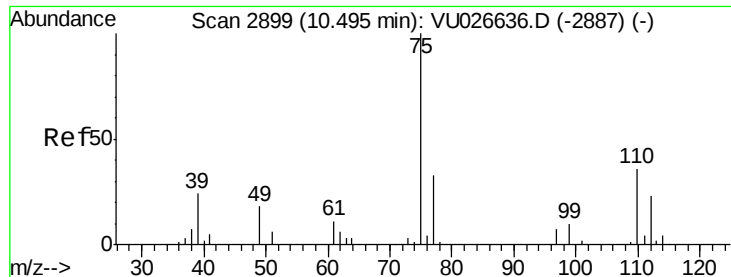


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

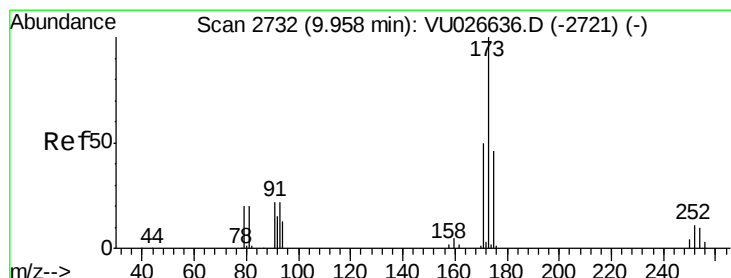
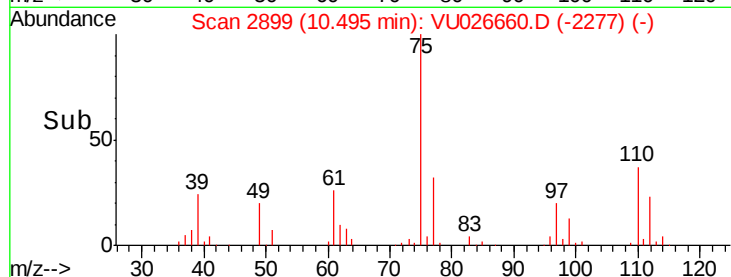
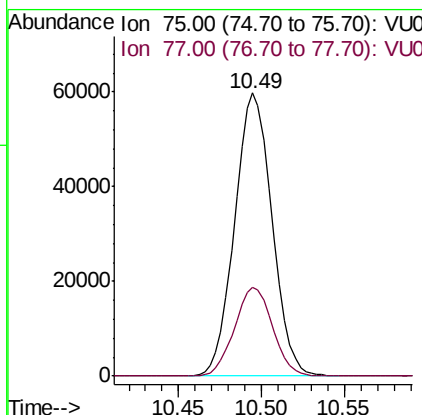
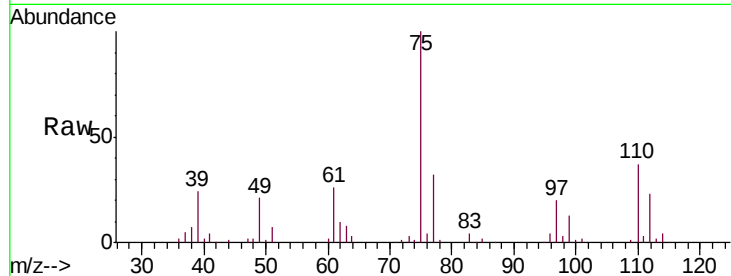




#59
 1,2,3-Trichloropropane
 Concen: 53.309 ug/L
 RT: 10.49 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: VU026660.D
 Acq: 10 Sep 2018 19:15

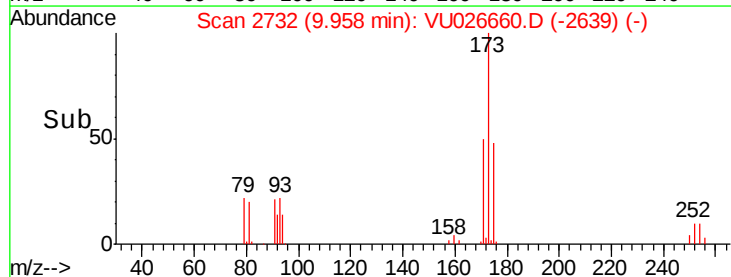
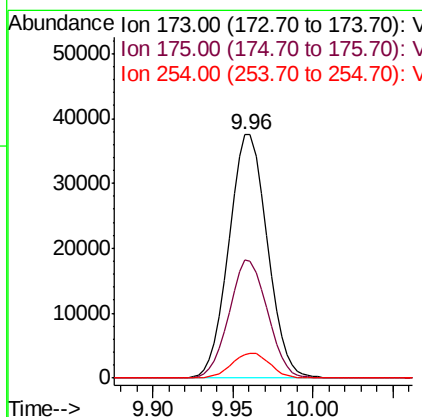
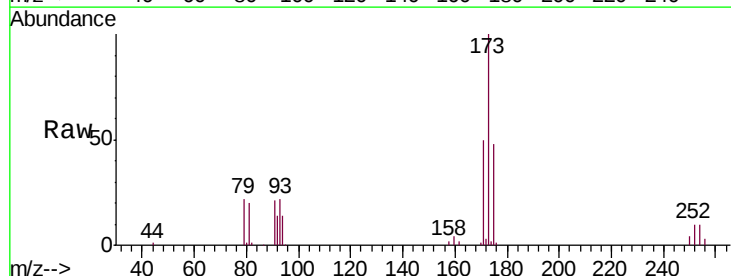
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

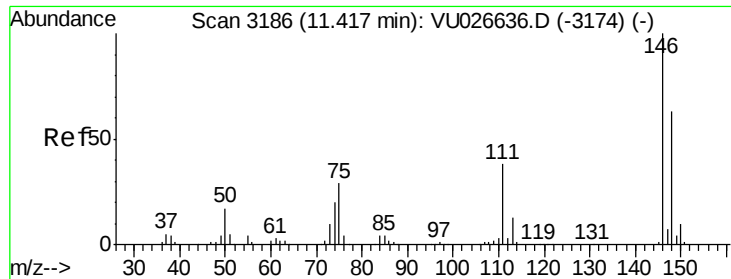
Tgt Ion: 75 Resp: 93506
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.8 38.6



#61
 Bromoform
 Concen: 52.617 ug/L
 RT: 9.96 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VU026660.D
 Acq: 10 Sep 2018 19:15

Tgt Ion: 173 Resp: 61665
 Ion Ratio Lower Upper
 173 100
 175 48.2 38.2 57.4
 254 10.1 8.2 12.4

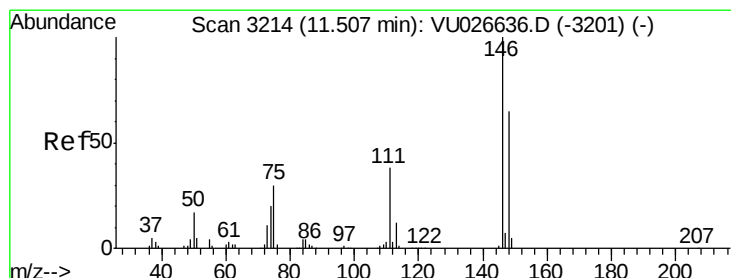
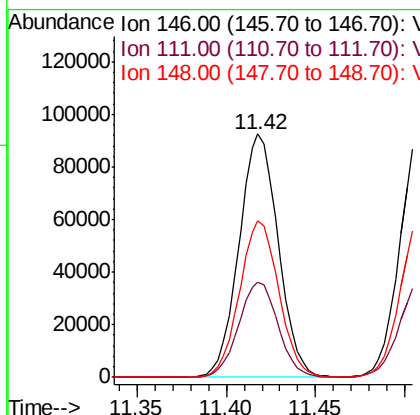
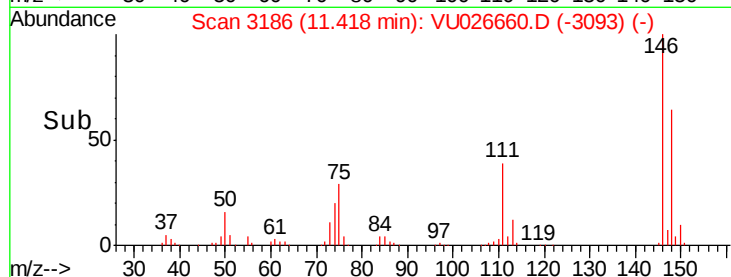
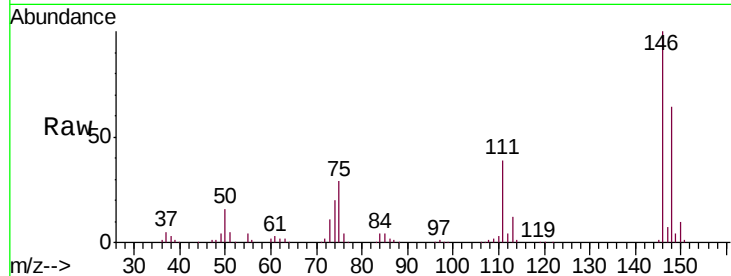




#62
 1,3-Dichlorobenzene
 Concen: 51.940 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU026660.D
 Acq: 10 Sep 2018 19:15

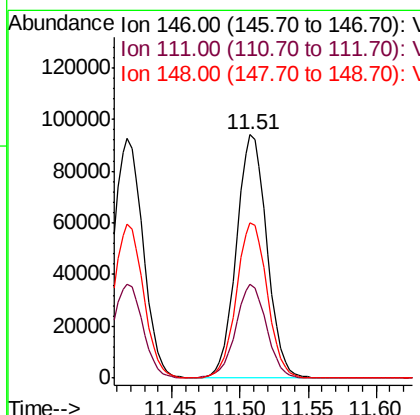
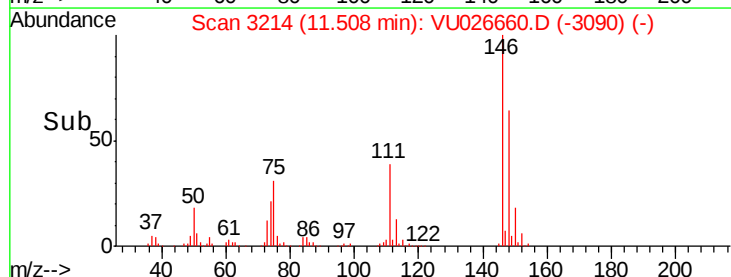
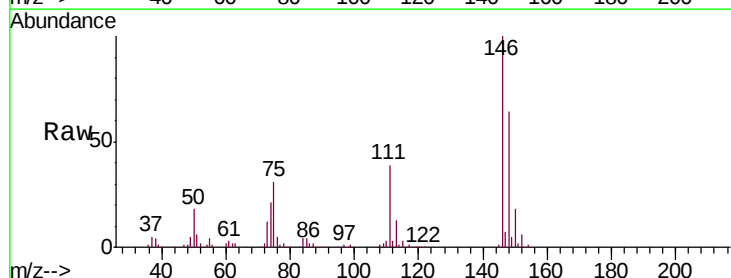
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

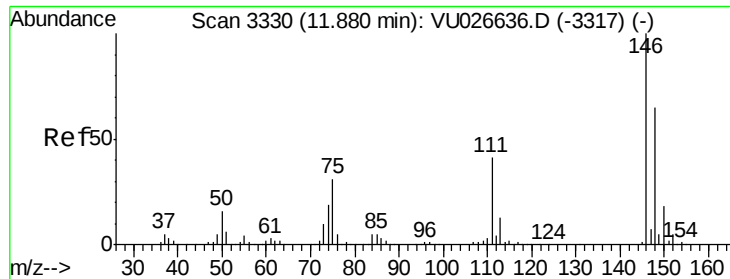
Tgt Ion:146 Resp: 141884
 Ion Ratio Lower Upper
 146 100
 111 39.3 26.7 49.5
 148 64.1 44.2 82.2



#63
 1,4-Dichlorobenzene
 Concen: 50.583 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU026660.D
 Acq: 10 Sep 2018 19:15

Tgt Ion:146 Resp: 146380
 Ion Ratio Lower Upper
 146 100
 111 38.6 26.5 49.3
 148 64.0 45.2 84.0





#65

1,2-Dichlorobenzene

Concen: 53.369 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU026660.D

Acq: 10 Sep 2018 19:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

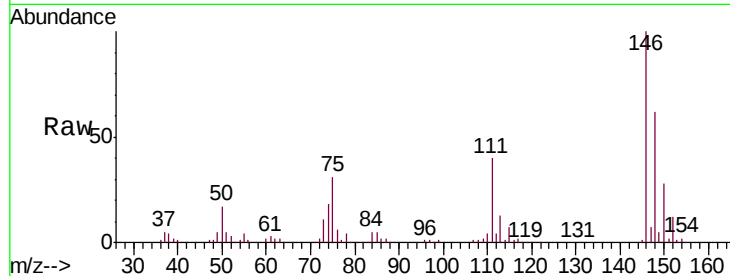
Tgt Ion:146 Resp: 154081

Ion Ratio Lower Upper

146 100

111 39.9 32.8 49.2

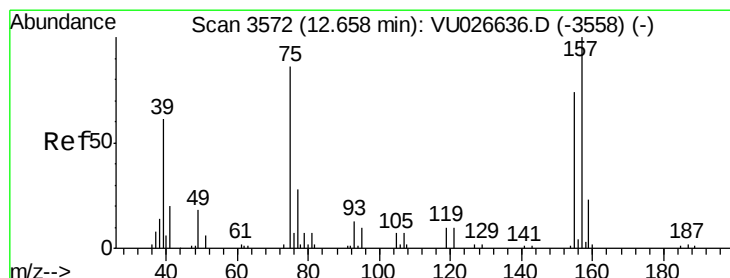
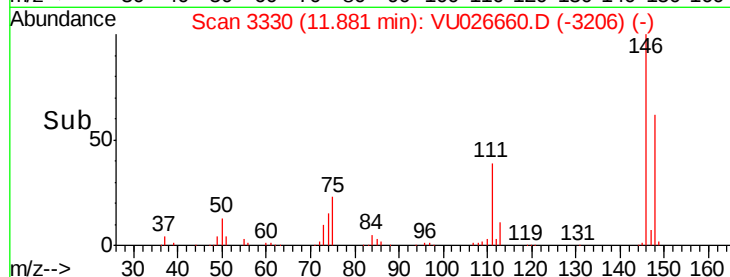
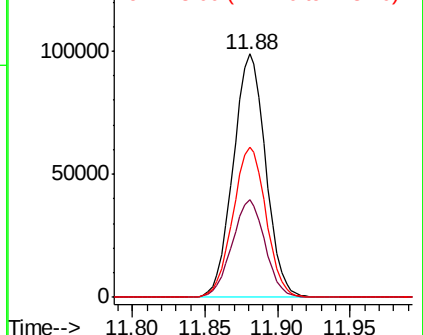
148 61.7 52.2 78.4



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: 53.225 ug/L

RT: 12.66 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VU026660.D

Acq: 10 Sep 2018 19:15

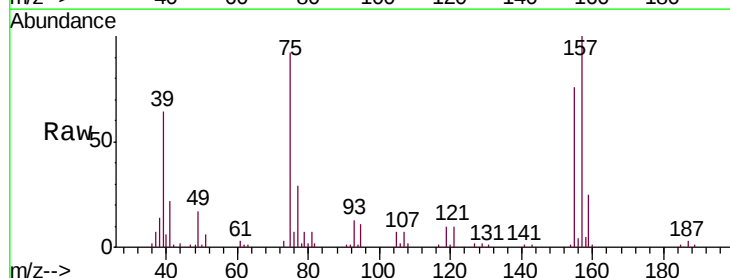
Tgt Ion: 75 Resp: 24825

Ion Ratio Lower Upper

75 100

155 82.8 69.3 103.9

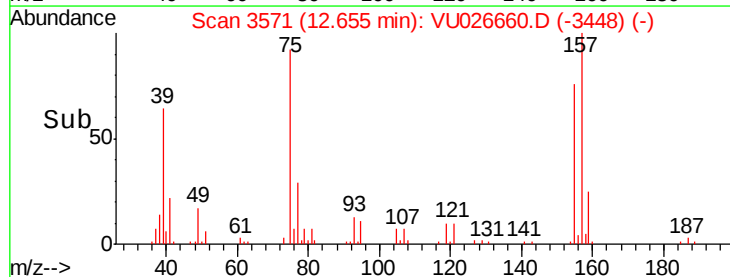
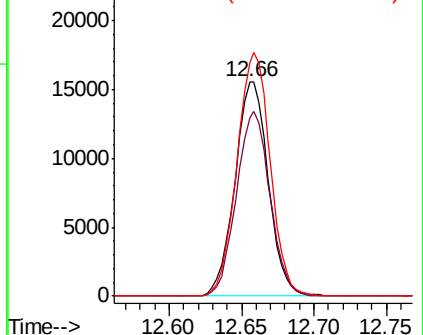
157 108.5 93.4 140.0

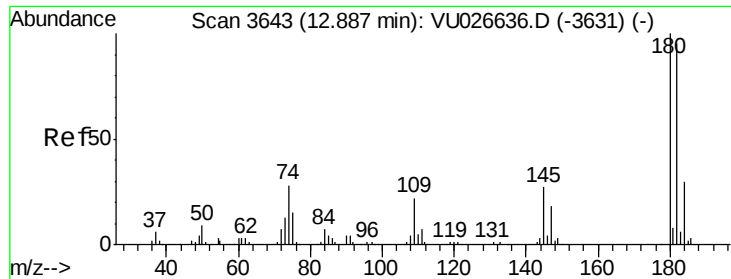


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

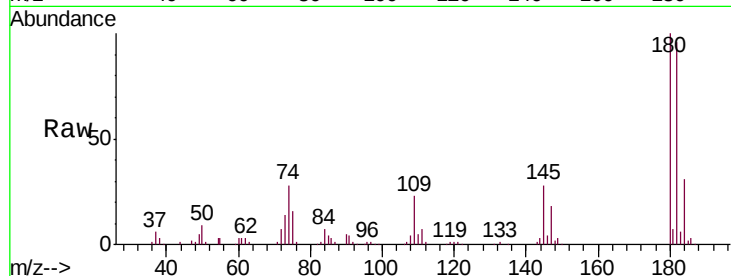




#67
 1,3,5-Trichlorobenzene
 Concen: 51.819 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU026660.D
 Acq: 10 Sep 2018 19:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.8	115.2
184	30.7	24.2	36.2
145	27.9	21.4	32.2



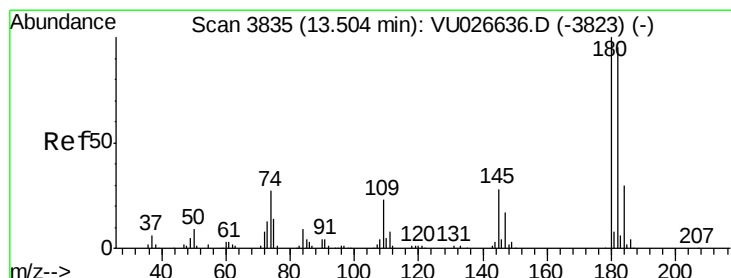
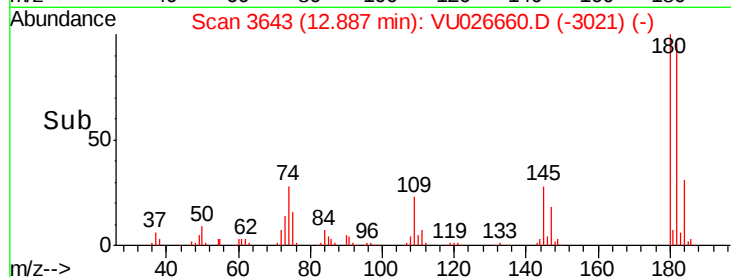
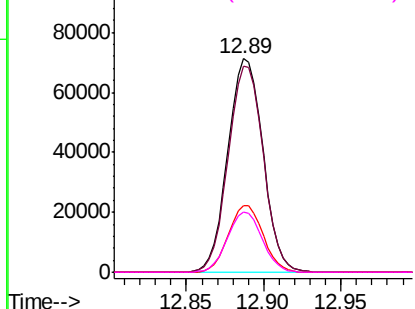
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

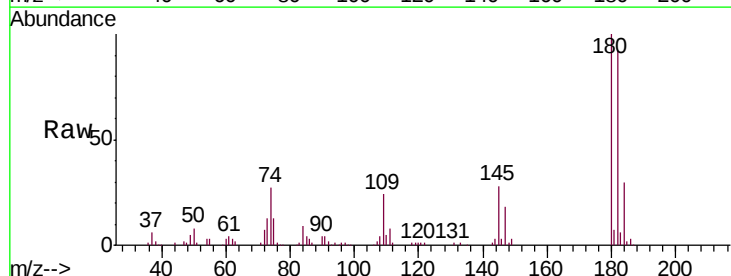
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 52.224 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU026660.D
 Acq: 10 Sep 2018 19:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.0	114.0
145	28.1	23.4	35.0

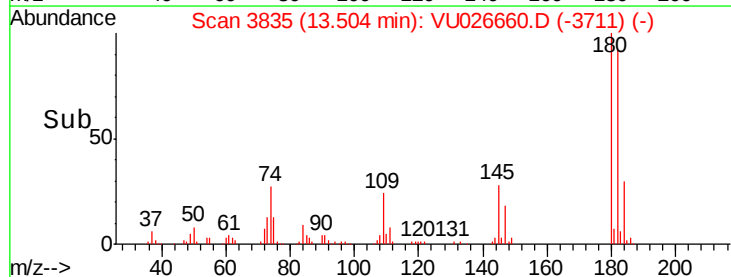
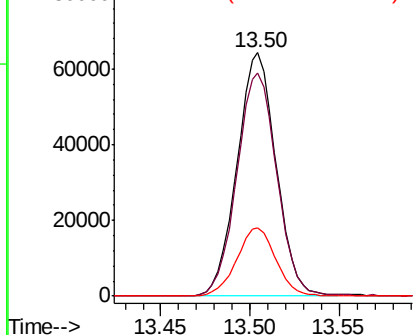


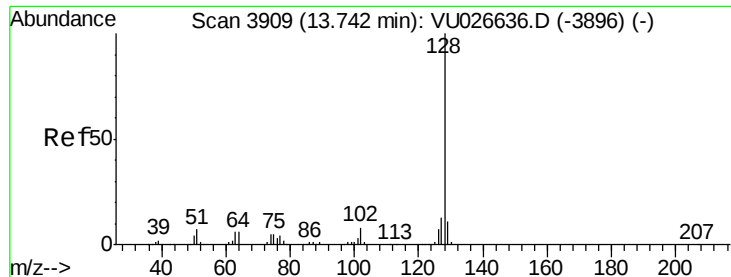
Abundance

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: 56.222 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU026660.D

Acq: 10 Sep 2018 19:15

Instrument :

MSVOA_U

ClientSampled :

VSTD05054

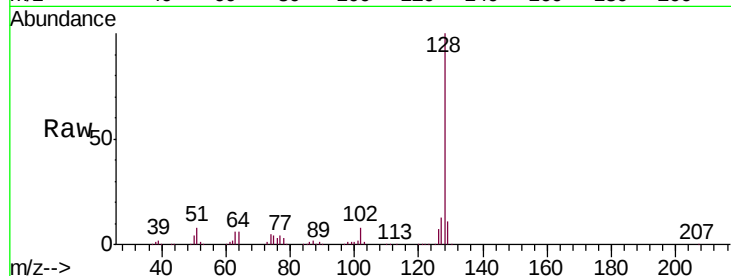
Tgt Ion:128 Resp: 324462

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

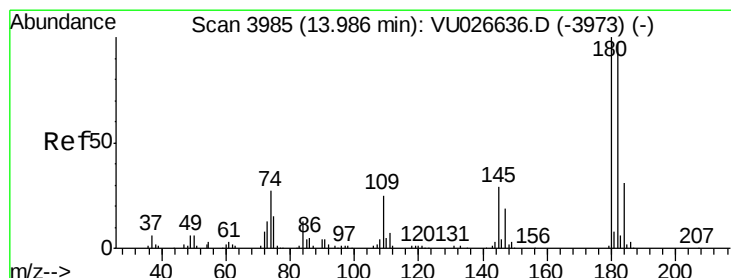
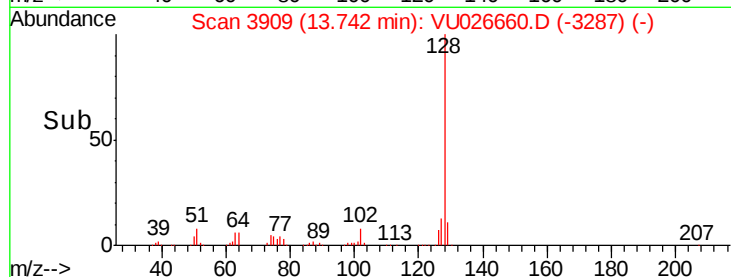
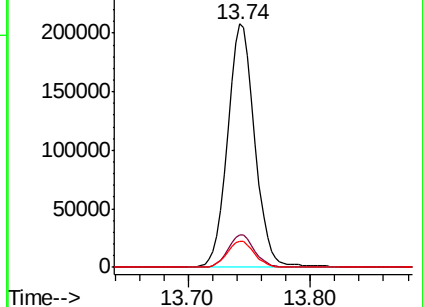
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 53.969 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU026660.D

Acq: 10 Sep 2018 19:15

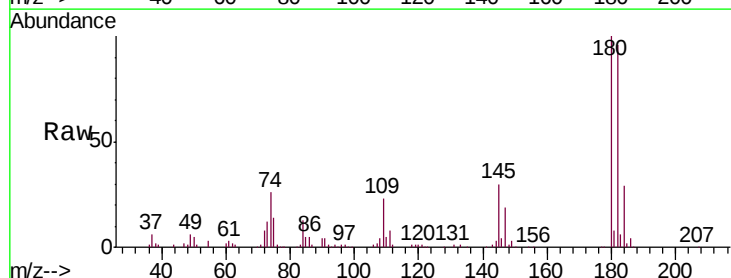
Tgt Ion:180 Resp: 110100

Ion Ratio Lower Upper

180 100

182 95.9 76.7 115.1

145 29.7 23.0 34.6



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

