

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091518\
 Data File : VU026727.D
 Acq On : 13 Sep 2018 15:40
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB41

Quant Time: Sep 14 01:19:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 13 03:38:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	200163	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	188260	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	96347	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	66194	44.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.76%
7) Chloroethane-d5	1.68	69	52279	43.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.98%
11) 1,1-Dichloroethene-d2	2.27	63	125307	46.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.88%
21) 2-Butanone-d5	4.18	46	88975	95.85	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.85%
24) Chloroform-d	4.65	84	111403	44.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.84%
26) 1,2-Dichloroethane-d4	5.31	65	70397	43.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.74%
32) Benzene-d6	5.34	84	220936	45.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.68%
36) 1,2-Dichloropropane-d6	6.33	67	73718	45.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.18%
41) Toluene-d8	7.57	98	208781	45.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.34%
43) trans-1,3-Dichloropropene-	7.85	79	34599	45.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.02%
47) 2-Hexanone-d5	8.31	63	66625	99.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.87%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	99759	44.56	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.12%
64) 1,2-Dichlorobenzene-d4	11.86	152	83048	43.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.48%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	64872	51.487	ug/L 98
3) Chloromethane	1.33	50	81290	49.080	ug/L 99
5) Vinyl chloride	1.40	62	84886	49.599	ug/L 99
6) Bromomethane	1.62	94	46063	46.186	ug/L 98
8) Chloroethane	1.69	64	51615	48.628	ug/L 100
9) Trichlorofluoromethane	1.88	101	111720	51.768	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	67315	54.772	ug/L 99
12) 1,1-Dichloroethene	2.28	96	60268	51.064	ug/L 96
13) Acetone	2.32	43	105102	99.414	ug/L 100
14) Carbon disulfide	2.48	76	184948	48.248	ug/L 100
15) Methyl Acetate	2.62	43	83076	55.081	ug/L 98
16) Methylene chloride	2.70	84	71927	51.639	ug/L 96
17) trans-1,2-Dichloroethene	2.98	96	63904	51.100	ug/L 99
18) Methyl tert-butyl Ether	3.00	73	211566	54.902	ug/L 100
19) 1,1-Dichloroethane	3.45	63	128642	53.040	ug/L 99
20) cis-1,2-Dichloroethene	4.23	96	75531	53.621	ug/L 94
22) 2-Butanone	4.26	43	130069	107.453	ug/L 100

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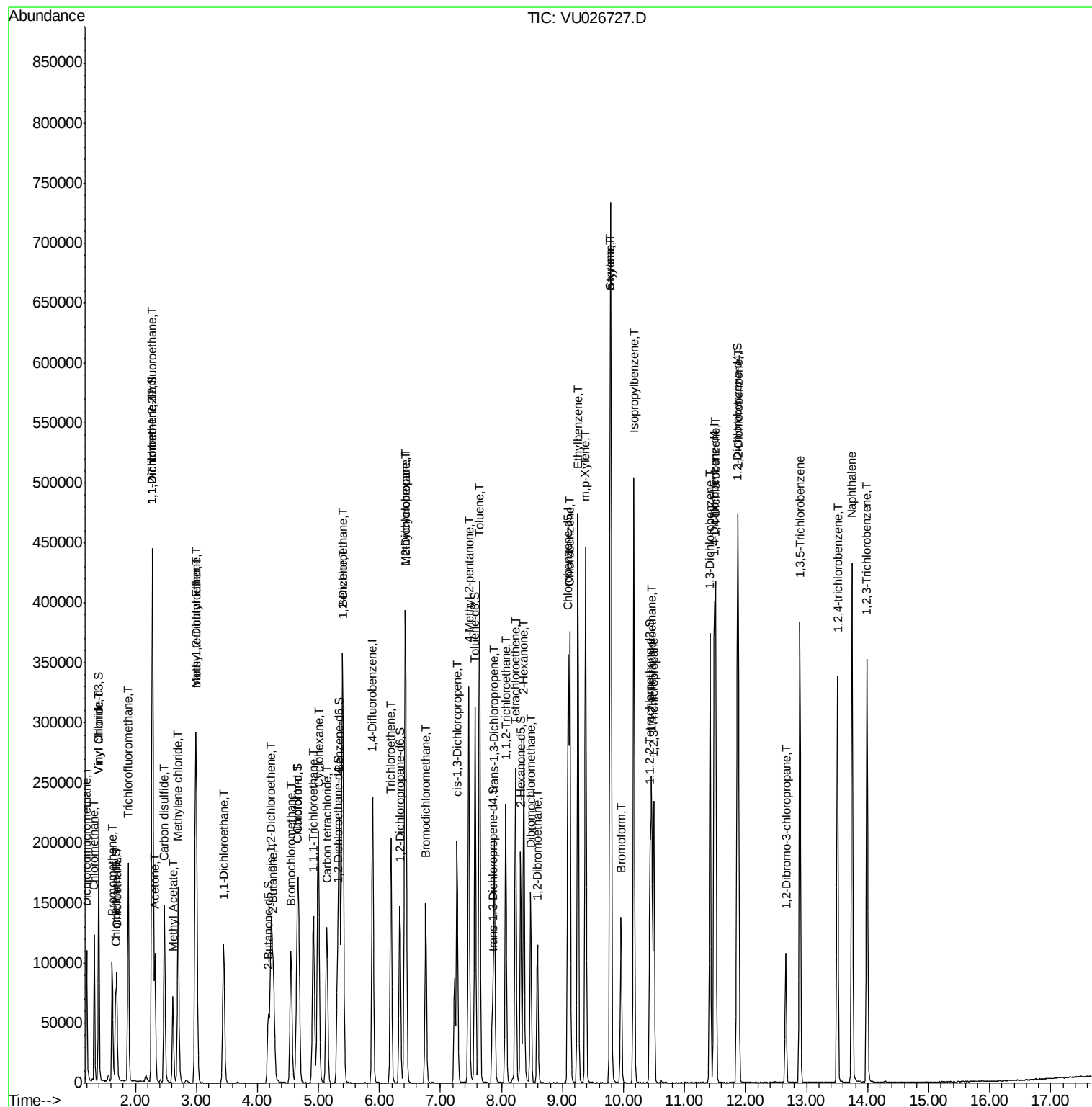
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	37551	52.121	ug/L	97
25) Chloroform	4.67	83	127778	52.416	ug/L	100
27) 1,2-Dichloroethane	5.41	62	102267	52.831	ug/L	99
29) Cyclohexane	5.00	56	114794	55.667	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	107682	53.993	ug/L	99
31) Carbon tetrachloride	5.14	117	96997	53.806	ug/L	97
33) Benzene	5.39	78	284107	53.890	ug/L	100
34) Trichloroethene	6.19	95	70405	53.729	ug/L	97
35) Methylcyclohexane	6.42	83	119488	56.967	ug/L	99
37) 1,2-Dichloropropane	6.43	63	80934	54.953	ug/L	100
38) Bromodichloromethane	6.76	83	98050	54.325	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	117763	54.036	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	221054	117.665	ug/L	99
42) Toluene	7.64	91	299750	54.856	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	110110	54.309	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	71217	54.514	ug/L	99
46) Tetrachloroethene	8.23	164	59609	54.128	ug/L	98
48) 2-Hexanone	8.36	43	184565	116.362	ug/L	99
49) Dibromochloromethane	8.48	129	80742	53.471	ug/L	98
50) 1,2-Dibromoethane	8.59	107	76014	54.392	ug/L	100
51) Chlorobenzene	9.12	112	193150	53.835	ug/L	100
52) Ethylbenzene	9.25	91	328057	55.513	ug/L	98
53) m,p-Xylene	9.38	106	126150	56.614	ug/L	99
54) o-xylene	9.78	106	123514	55.852	ug/L	99
55) Styrene	9.79	104	210936	56.388	ug/L	100
56) Isopropylbenzene	10.17	105	320861	56.957	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	123770	54.688	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	96264	55.242	ug/L	99
61) Bromoform	9.96	173	62435	52.605	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	150359	54.351	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	152579	52.063	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	156745	53.610	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	25992	55.027	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	121860	55.533	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	106743	55.966	ug/L	98
69) Naphthalene	13.74	128	342609	58.621	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	116278	56.282	ug/L	99

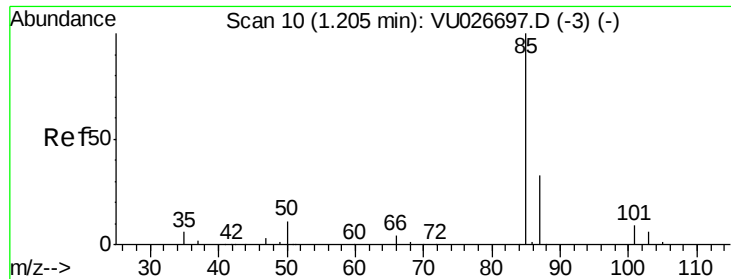
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 51.487 ug/L

RT: 1.20 min Scan# 9

Delta R.T. -0.00 min

Lab File: VU026727.D

Acq: 13 Sep 2018 15:40

Instrument :

MSVOA_U

ClientSampleId :

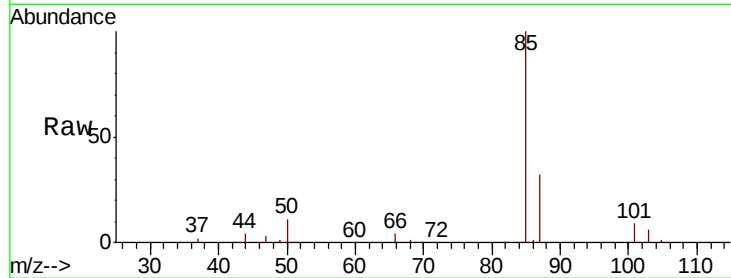
BFB41

Tgt Ion: 85 Resp: 64872

Ion Ratio Lower Upper

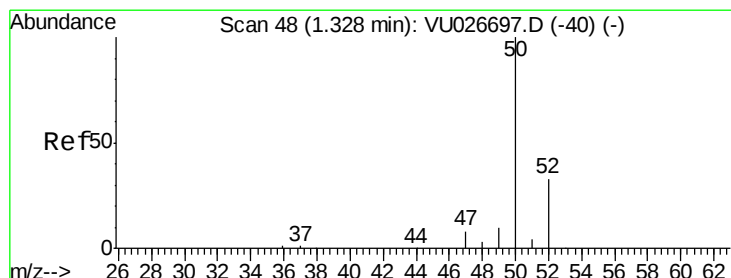
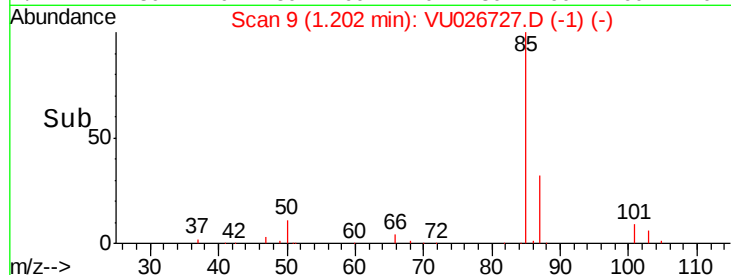
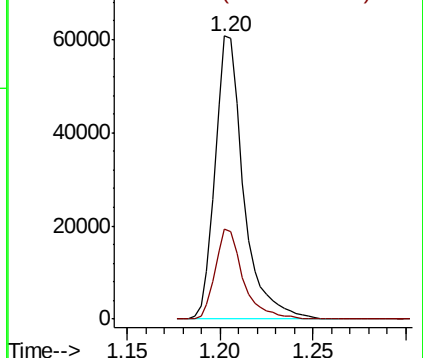
85 100

87 31.4 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 49.080 ug/L

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU026727.D

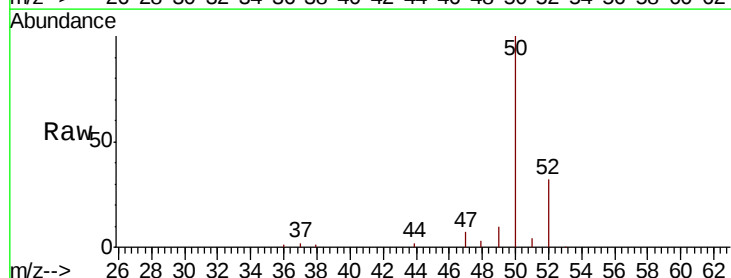
Acq: 13 Sep 2018 15:40

Tgt Ion: 50 Resp: 81290

Ion Ratio Lower Upper

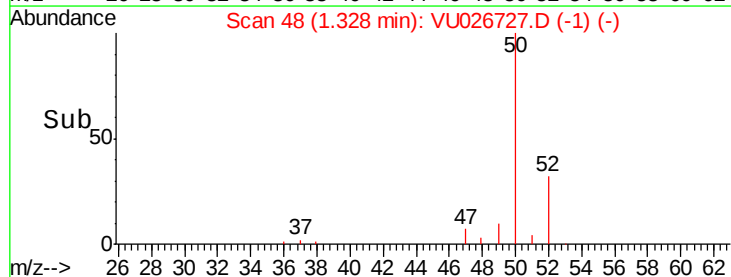
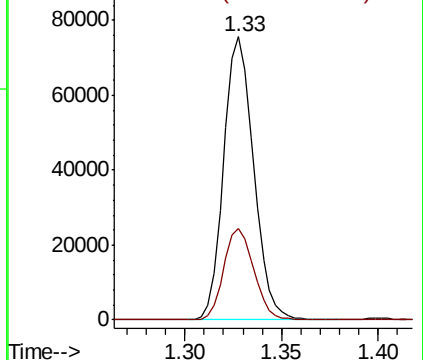
50 100

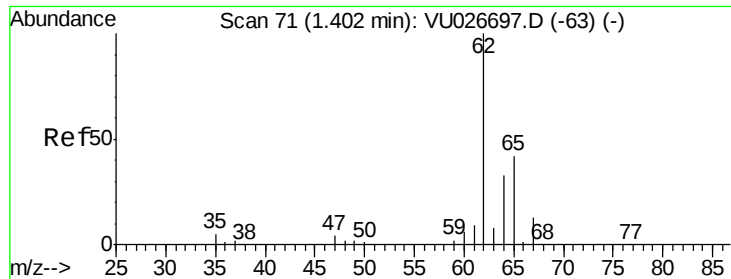
52 32.5 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 49.599 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU026727.D

Acq: 13 Sep 2018 15:40

Instrument :

MSVOA_U

ClientSampleId :

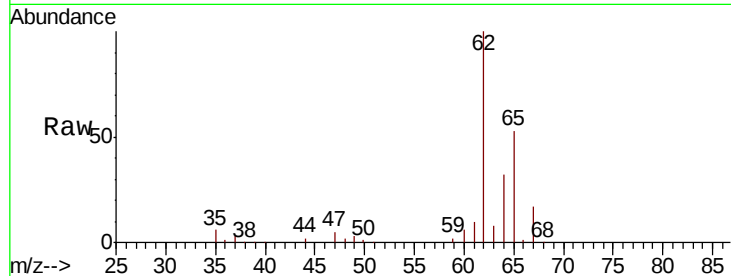
BFB41

Tgt Ion: 62 Resp: 84886

Ion Ratio Lower Upper

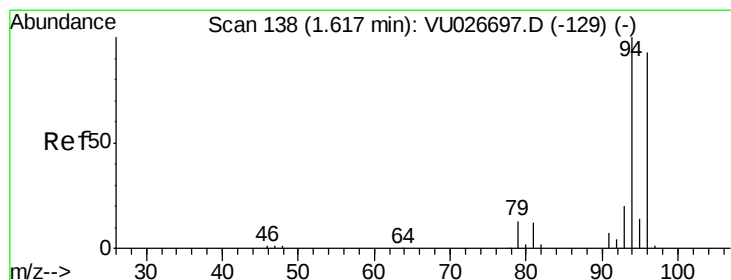
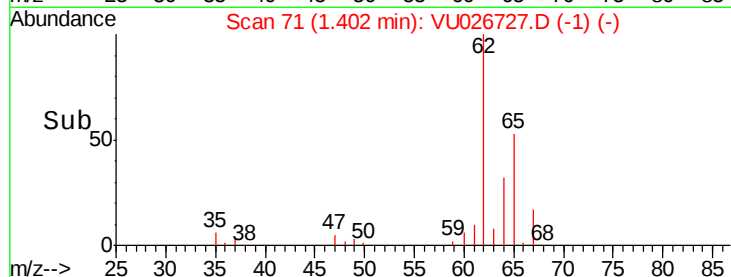
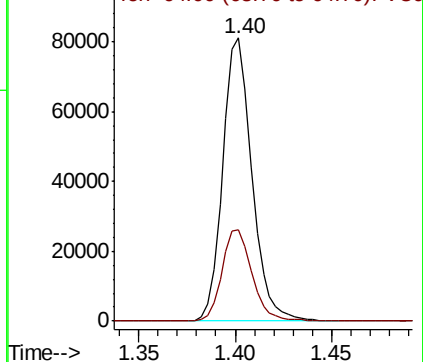
62 100

64 32.1 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: 46.186 ug/L

RT: 1.62 min Scan# 139

Delta R.T. -0.00 min

Lab File: VU026727.D

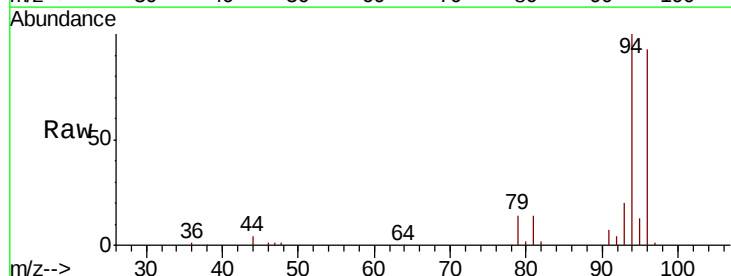
Acq: 13 Sep 2018 15:40

Tgt Ion: 94 Resp: 46063

Ion Ratio Lower Upper

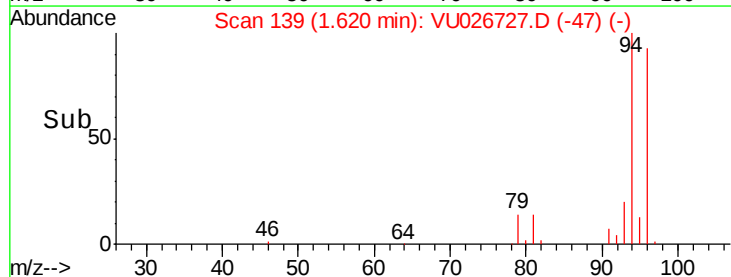
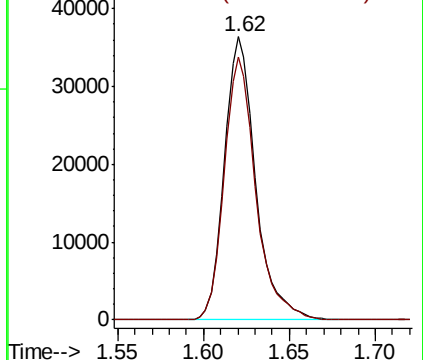
94 100

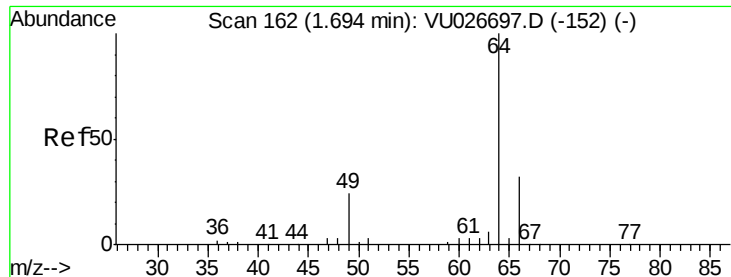
96 92.8 63.6 118.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 48.628 ug/L

RT: 1.69 min Scan# 162

Delta R.T. -0.00 min

Lab File: VU026727.D

Acq: 13 Sep 2018 15:40

Instrument :

MSVOA_U

ClientSampleId :

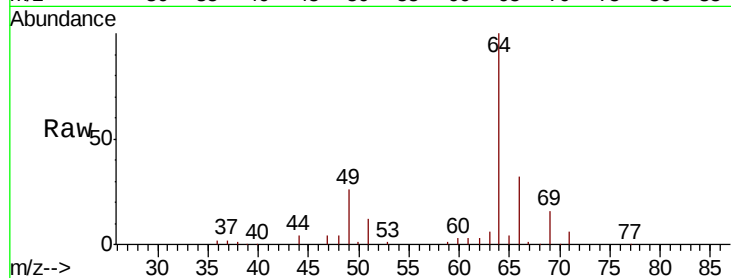
BFB41

Tgt Ion: 64 Resp: 51615

Ion Ratio Lower Upper

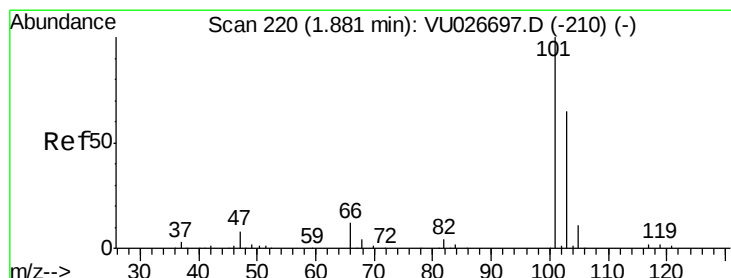
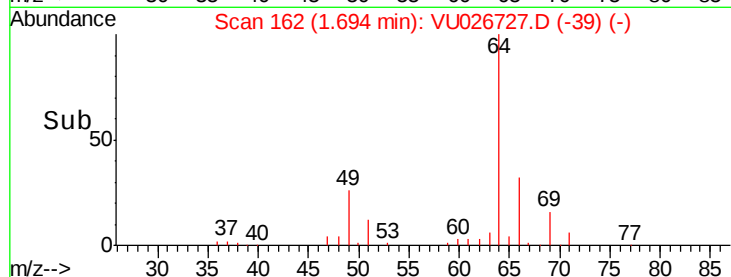
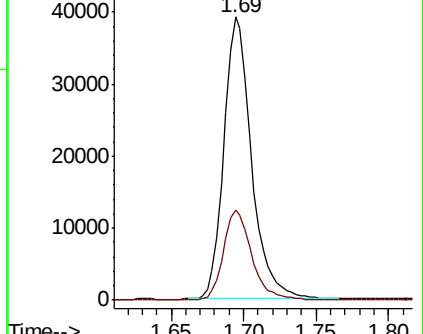
64 100

66 31.9 22.4 41.6



Abundance Ion 64.00 (63.70 to 64.70): VU026697.D (-152) (-)

Ion 66.00 (65.70 to 66.70): VU026697.D (-152) (-)



#9

Trichlorofluoromethane

Concen: 51.768 ug/L

RT: 1.88 min Scan# 221

Delta R.T. -0.00 min

Lab File: VU026727.D

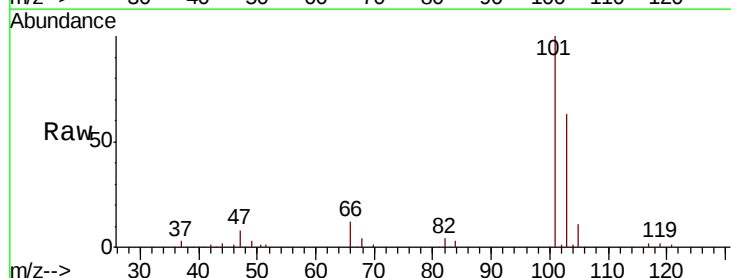
Acq: 13 Sep 2018 15:40

Tgt Ion: 101 Resp: 111720

Ion Ratio Lower Upper

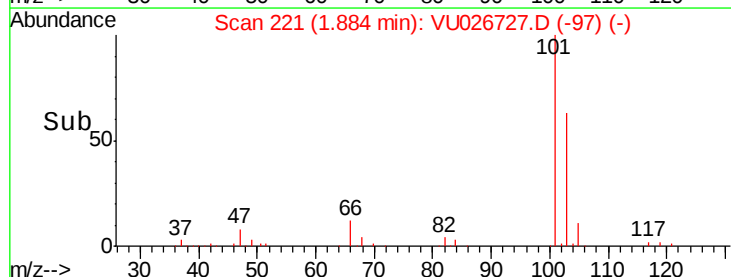
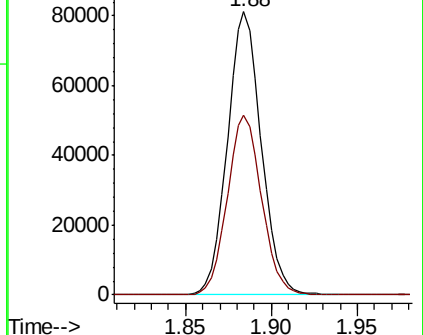
101 100

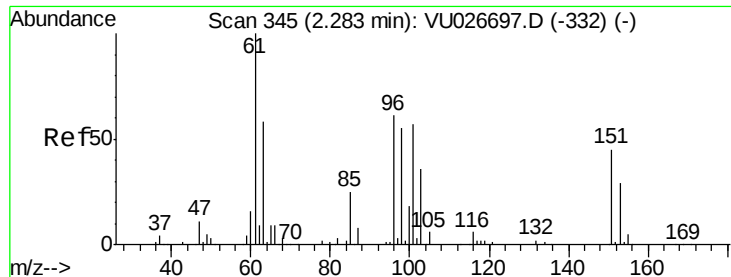
103 64.1 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VU026697.D (-210) (-)

Ion 103.00 (102.70 to 103.70): VU026697.D (-210) (-)





#10

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

Concen: 54.772 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU026727.D

Acq: 13 Sep 2018 15:40

Instrument :

MSVOA_U

ClientSampled :

BFB41

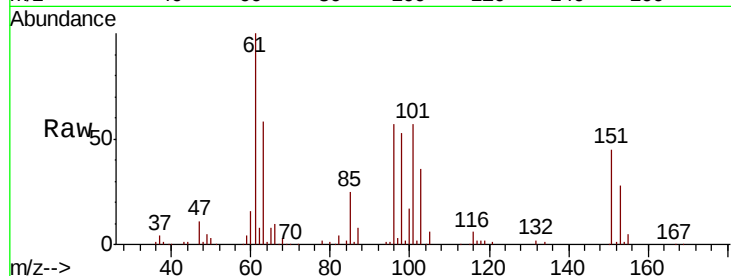
Tgt Ion: 101 Resp: 67315

Ion Ratio Lower Upper

101 100

85 42.4 34.1 51.1

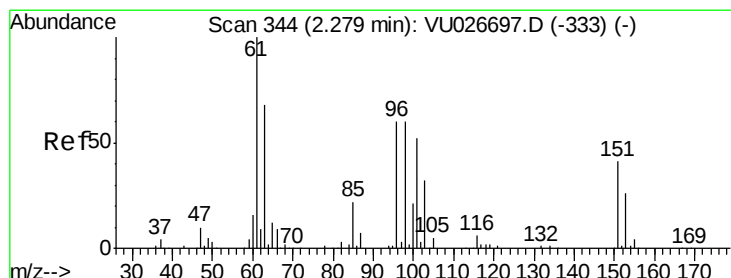
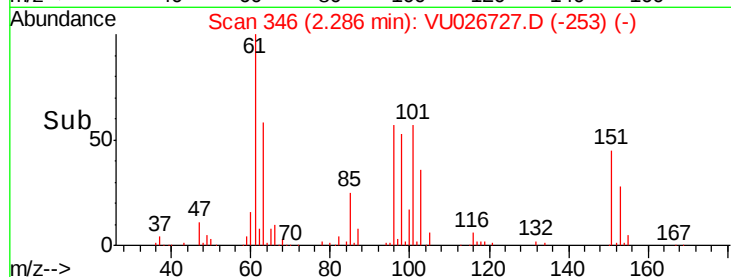
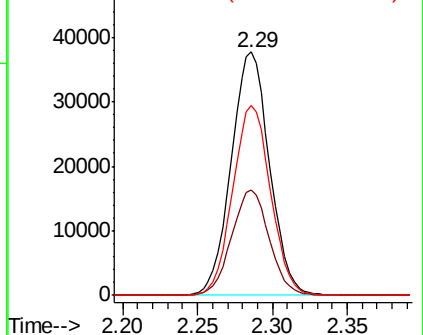
151 77.0 62.6 94.0



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: 51.064 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU026727.D

Acq: 13 Sep 2018 15:40

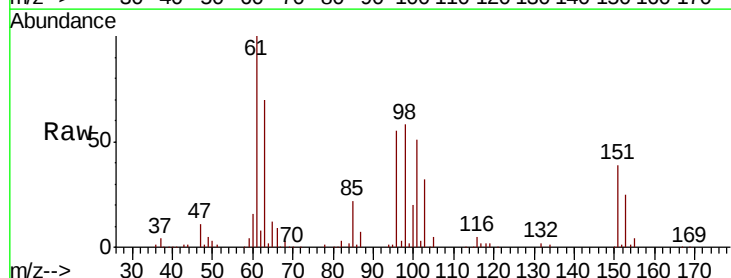
Tgt Ion: 96 Resp: 60268

Ion Ratio Lower Upper

96 100

61 180.4 121.0 224.8

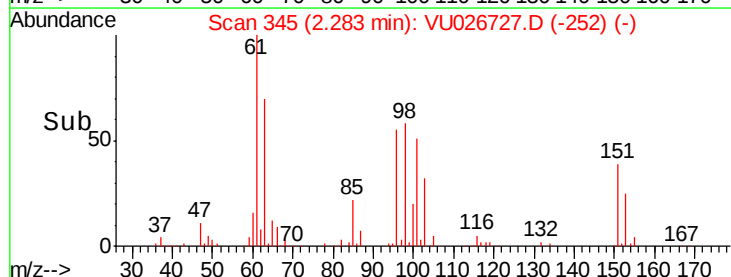
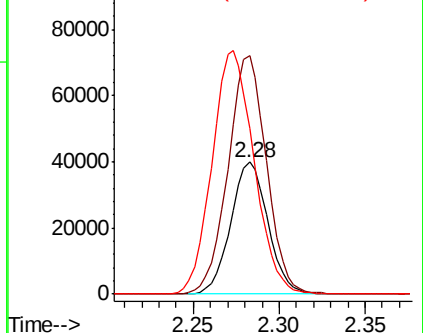
63 125.6 89.9 166.9

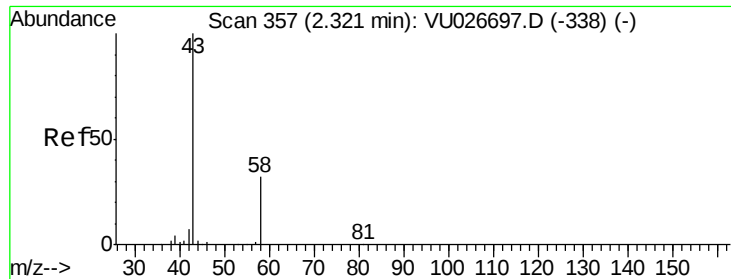


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 99.414 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU026727.D

Acq: 13 Sep 2018 15:40

Instrument :

MSVOA_U

ClientSampleId :

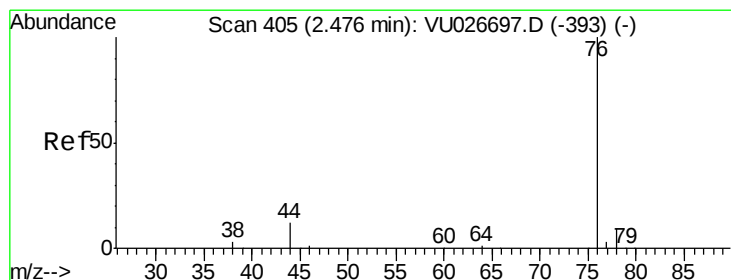
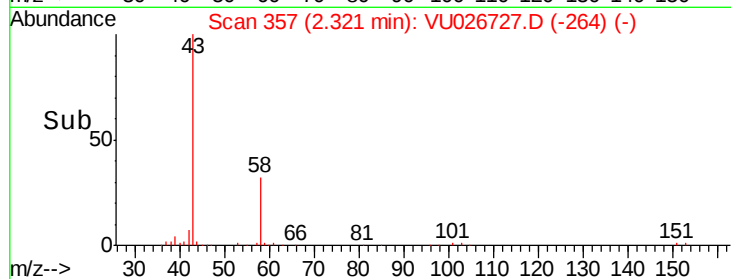
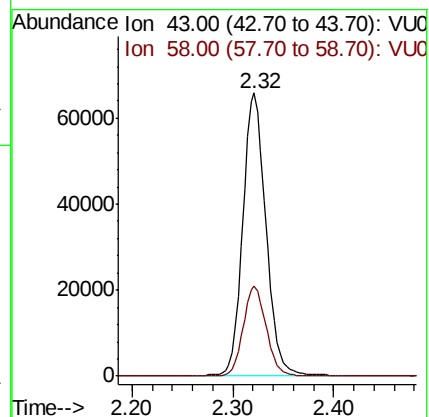
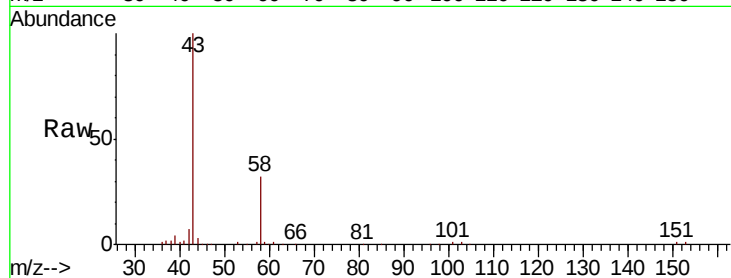
BFB41

Tgt Ion: 43 Resp: 105102

Ion Ratio Lower Upper

43 100

58 31.6 0.0 62.8



#14

Carbon disulfide

Concen: 48.248 ug/L

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU026727.D

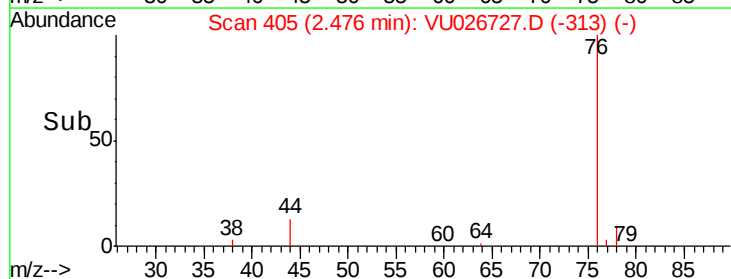
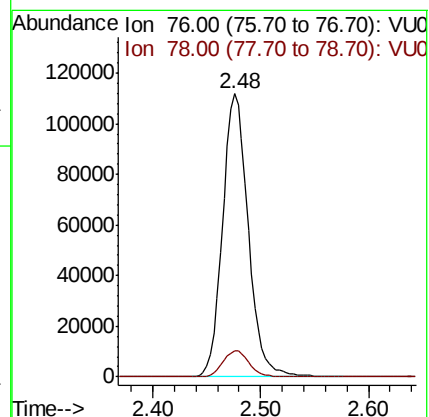
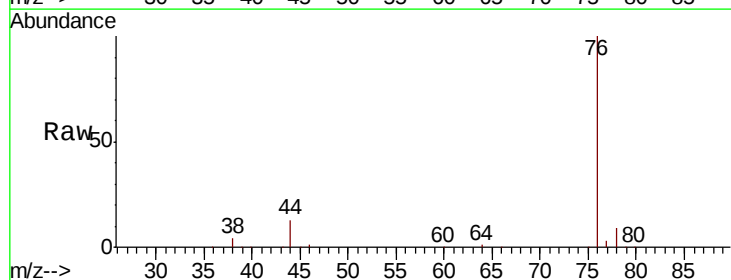
Acq: 13 Sep 2018 15:40

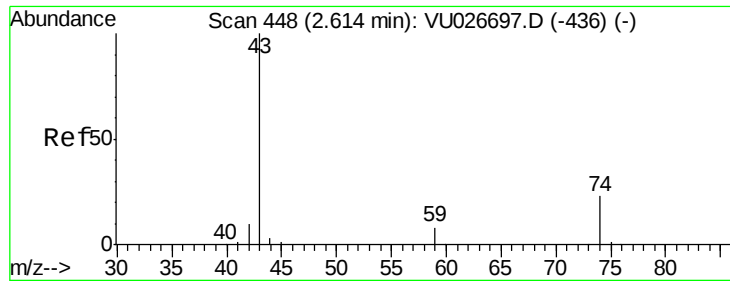
Tgt Ion: 76 Resp: 184948

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

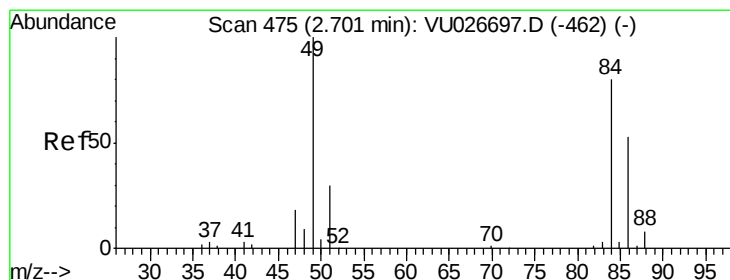
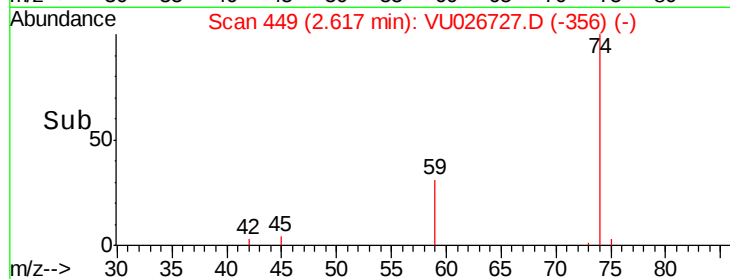
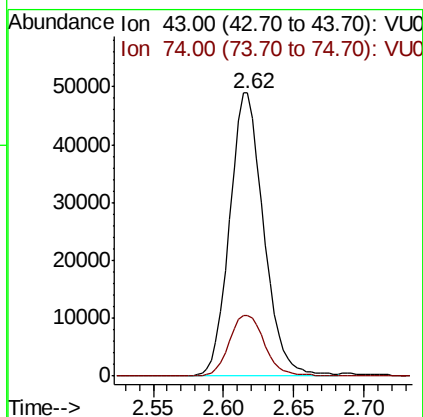
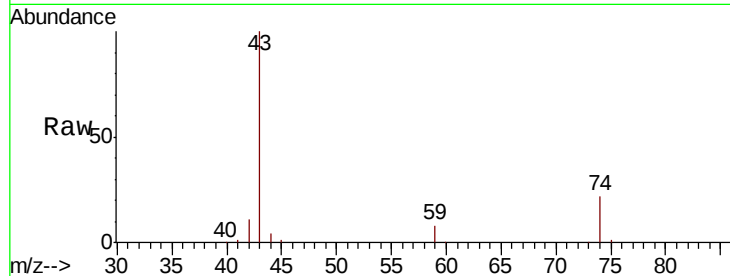




#15
Methyl Acetate
Concen: 55.081 ug/L
RT: 2.62 min Scan# 449
Delta R.T. -0.00 min
Lab File: VU026727.D
Acq: 13 Sep 2018 15:40

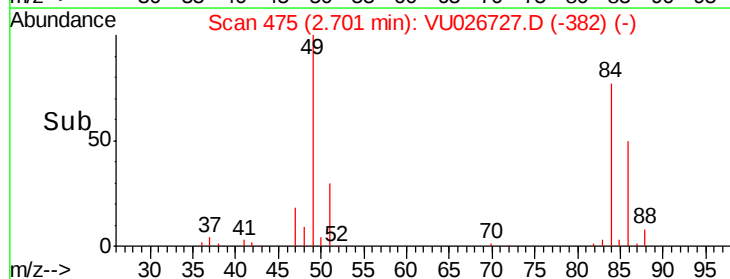
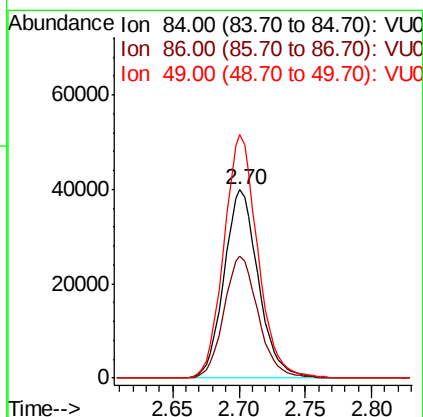
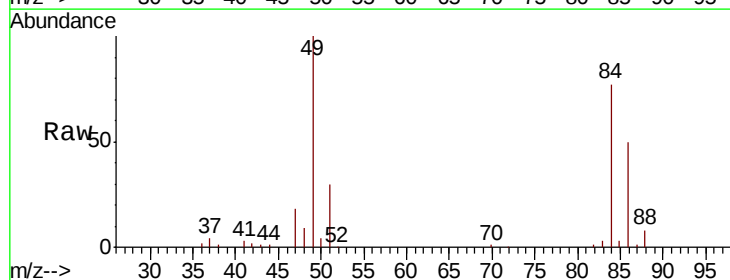
Instrument :
MSVOA_U
ClientSampled :
BFB41

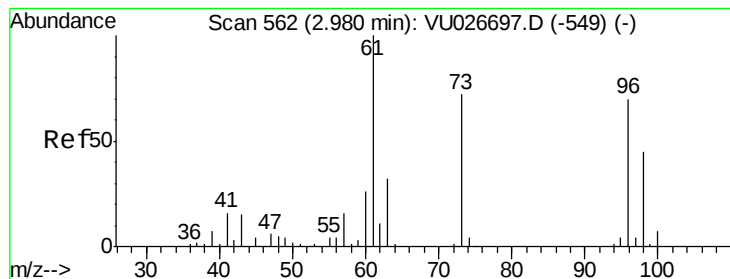
Tgt Ion: 43 Resp: 83076
Ion Ratio Lower Upper
43 100
74 22.2 18.5 27.7



#16
Methylene chloride
Concen: 51.639 ug/L
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU026727.D
Acq: 13 Sep 2018 15:40

Tgt Ion: 84 Resp: 71927
Ion Ratio Lower Upper
84 100
86 64.7 44.1 81.9
49 129.3 87.2 161.9





#17

trans-1,2-Dichloroethene

Concen: 51.100 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU026727.D

Acq: 13 Sep 2018 15:40

Instrument :

MSVOA_U

ClientSampleId :

BFB41

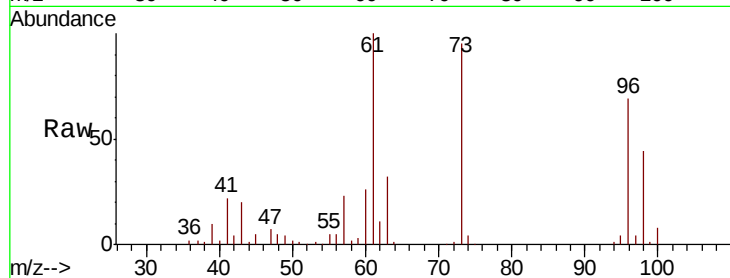
Tgt Ion: 96 Resp: 63904

Ion Ratio Lower Upper

96 100

61 144.0 99.7 185.1

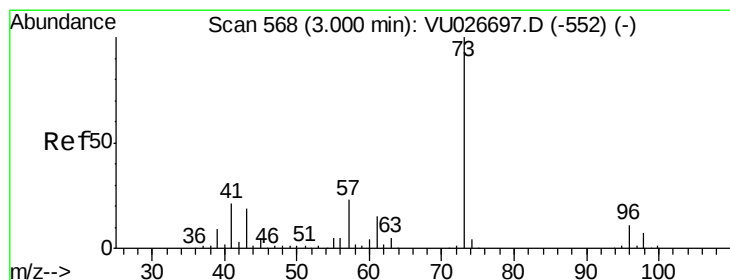
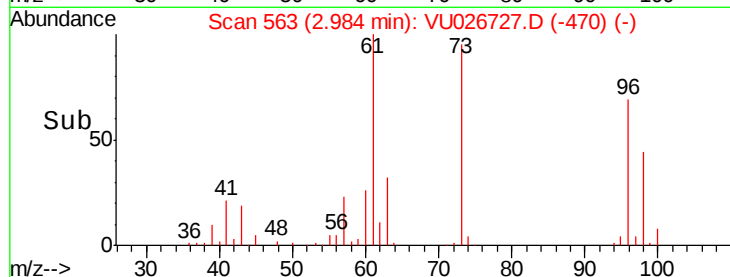
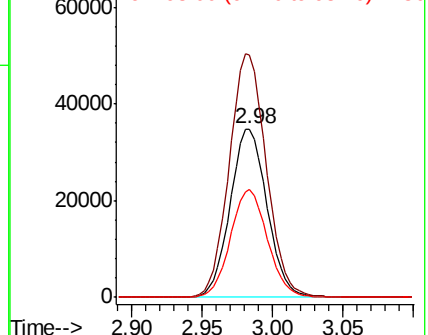
98 63.8 45.1 83.7



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: 54.902 ug/L

RT: 3.00 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU026727.D

Acq: 13 Sep 2018 15:40

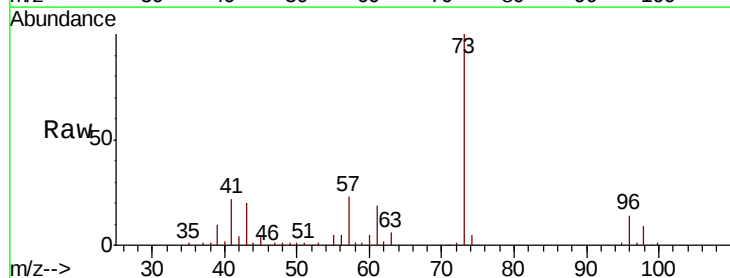
Tgt Ion: 73 Resp: 211566

Ion Ratio Lower Upper

73 100

43 20.0 16.0 24.0

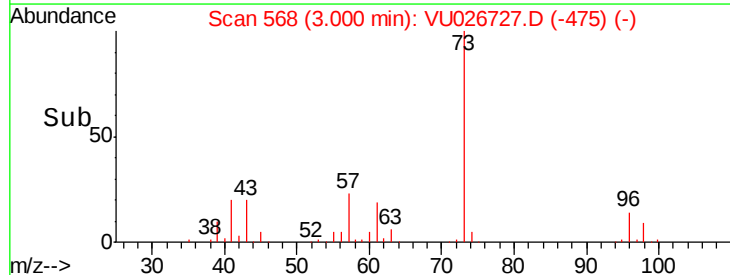
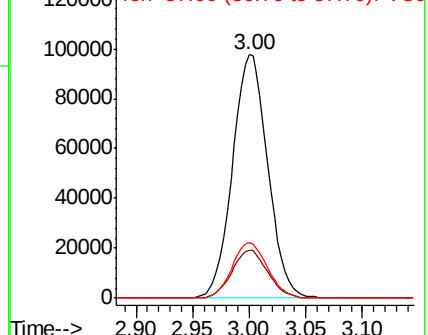
57 23.0 18.6 27.8

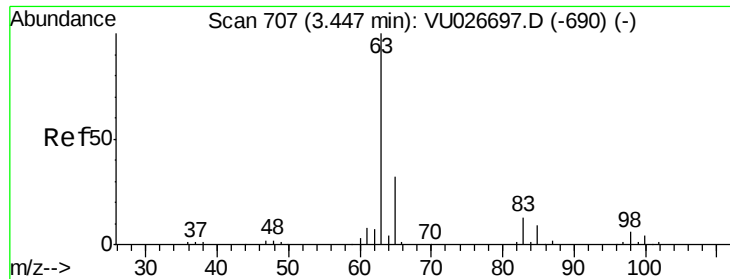


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

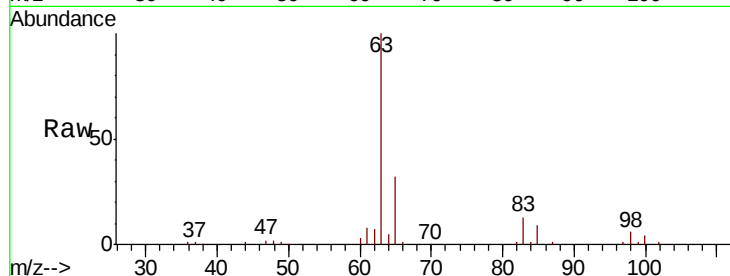




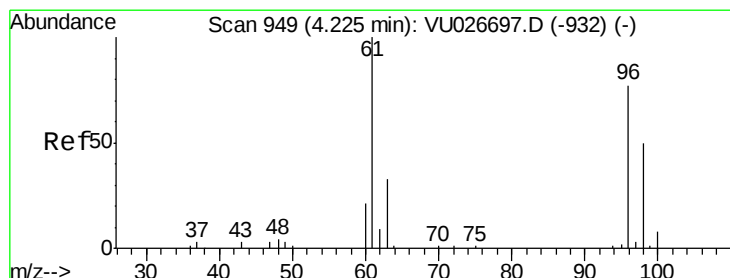
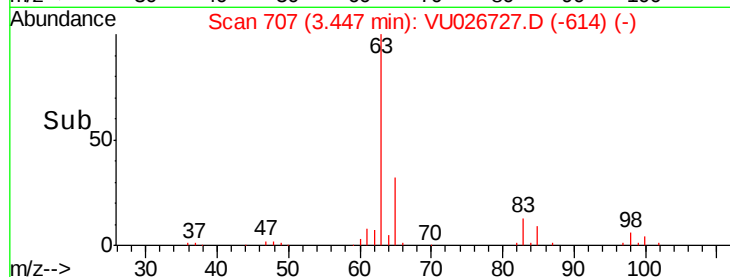
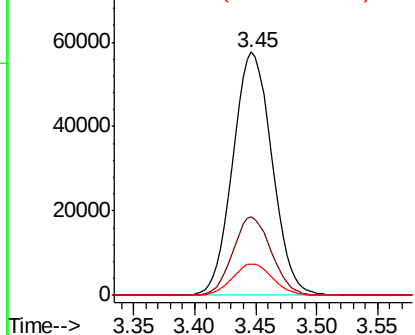
#19
 1,1-Dichloroethane
 Concen: 53.040 ug/L
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU026727.D
 Acq: 13 Sep 2018 15:40

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB41

Tgt Ion: 63 Resp: 128642
 Ion Ratio Lower Upper
 63 100
 65 32.1 21.9 40.7
 83 12.9 9.2 17.2

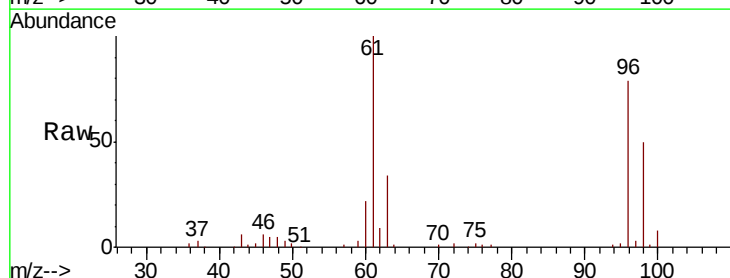


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

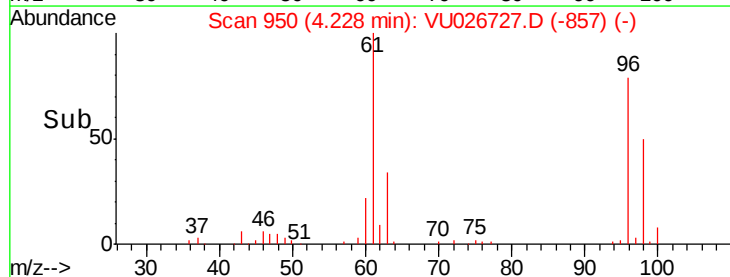
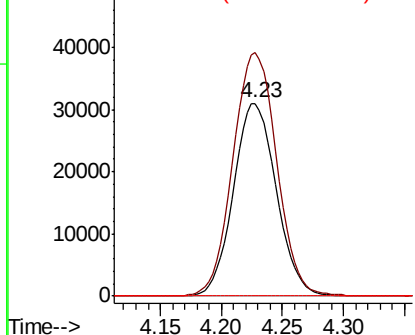


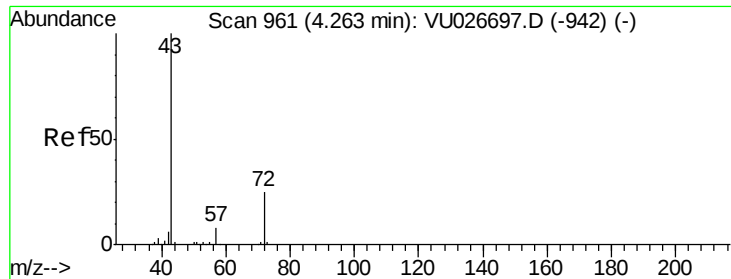
#20
 cis-1,2-Dichloroethene
 Concen: 53.621 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU026727.D
 Acq: 13 Sep 2018 15:40

Tgt Ion: 96 Resp: 75531
 Ion Ratio Lower Upper
 96 100
 61 126.1 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: 107.453 ug/L

RT: 4.26 min Scan# 961

Delta R.T. -0.00 min

Lab File: VU026727.D

Acq: 13 Sep 2018 15:40

Instrument :

MSVOA_U

ClientSampleId :

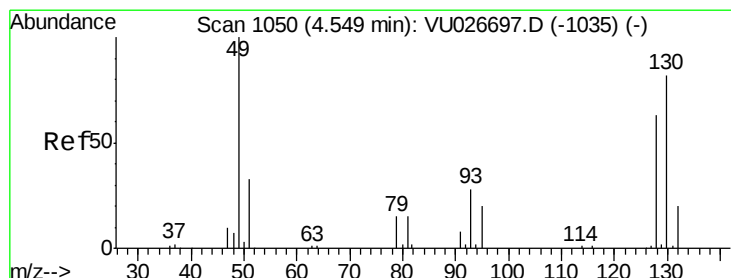
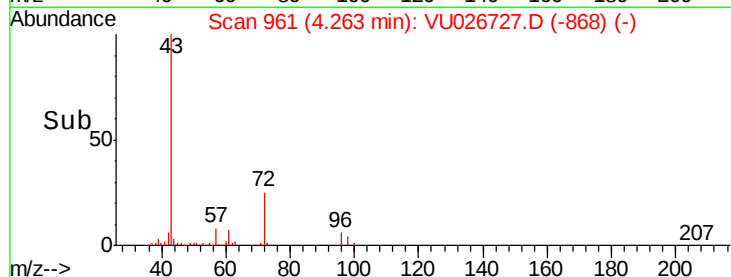
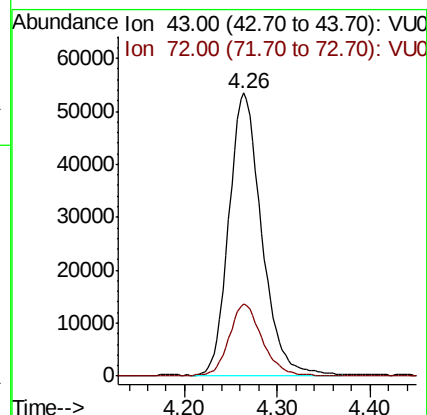
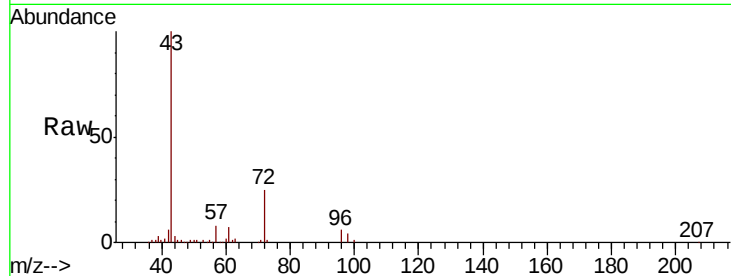
BFB41

Tgt Ion: 43 Resp: 130069

Ion Ratio Lower Upper

43 100

72 25.9 12.9 38.6



#23

Bromochloromethane

Concen: 52.121 ug/L

RT: 4.55 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU026727.D

Acq: 13 Sep 2018 15:40

Tgt Ion: 128 Resp: 37551

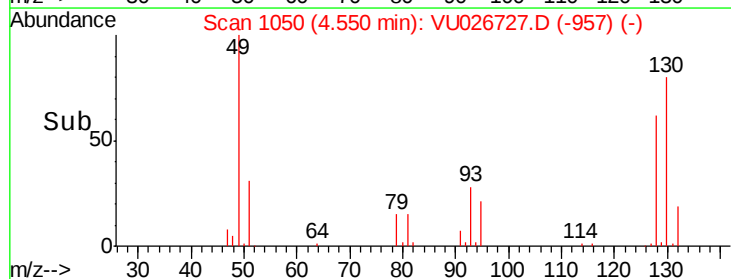
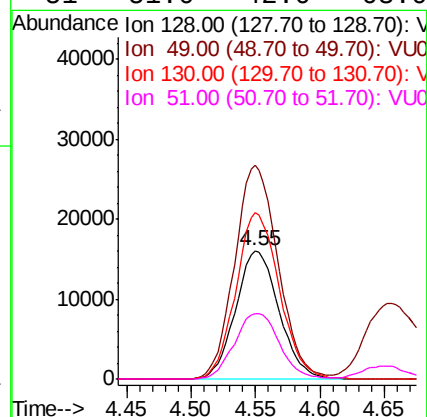
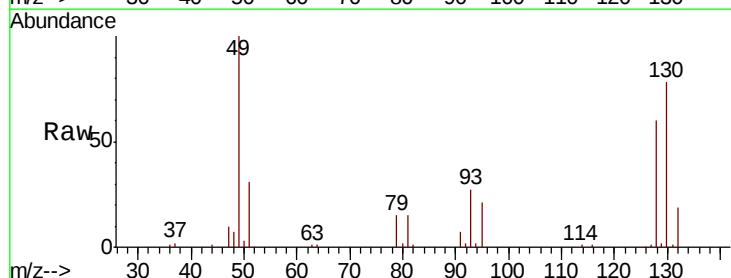
Ion Ratio Lower Upper

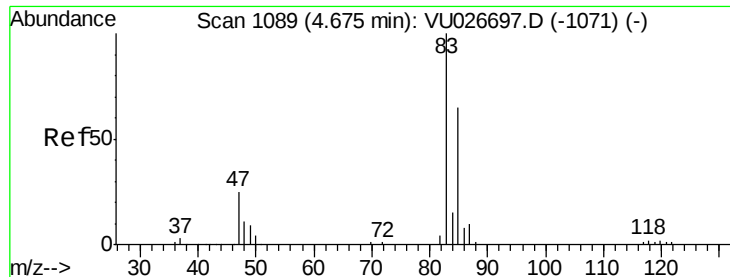
128 100

49 166.0 111.7 207.5

130 129.6 89.0 165.2

51 51.0 42.0 63.0

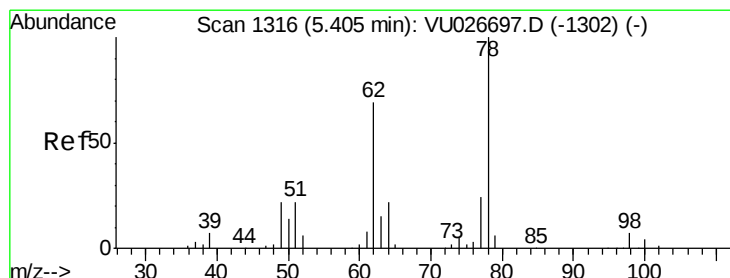
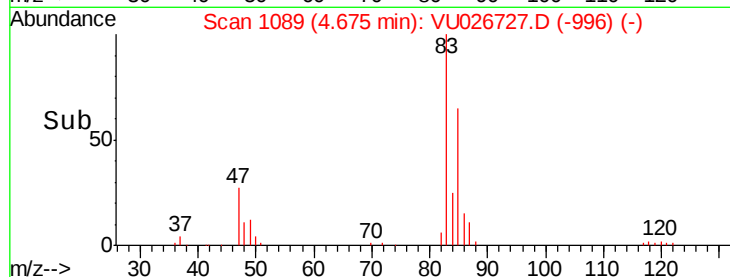
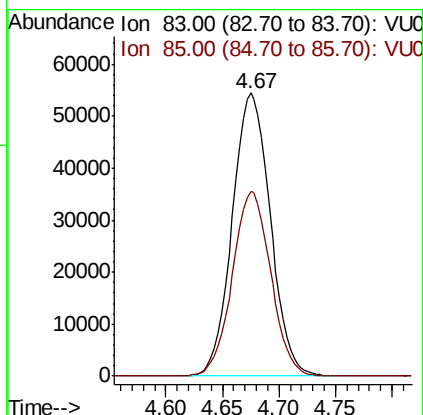
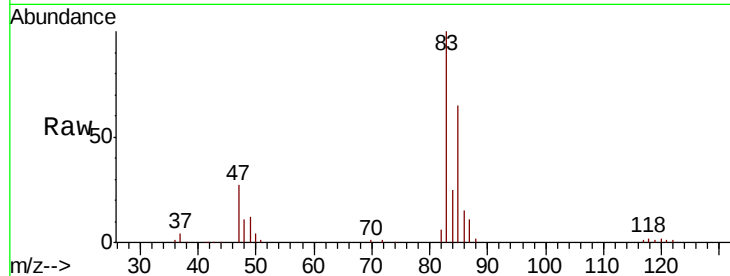




#25
Chloroform
Concen: 52.416 ug/L
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU026727.D
Acq: 13 Sep 2018 15:40

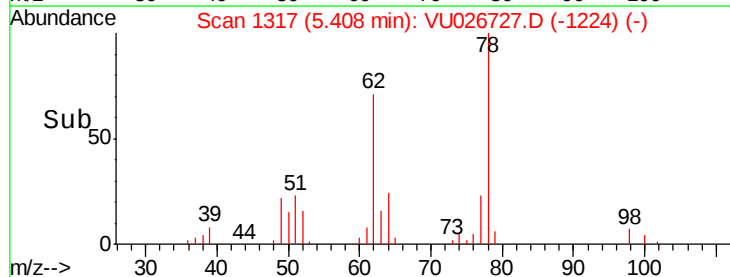
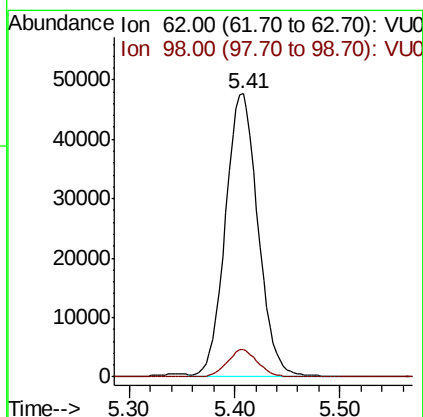
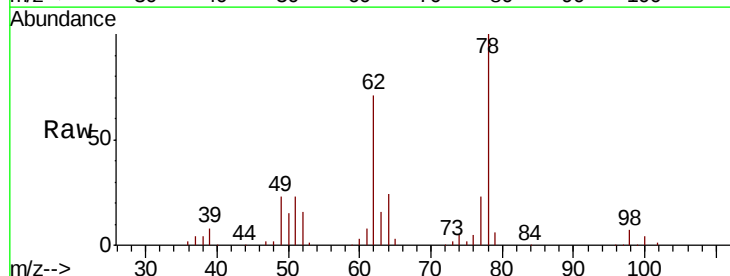
Instrument :
MSVOA_U
ClientSampleId :
BFB41

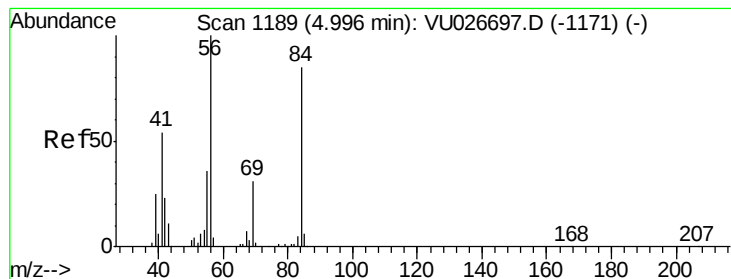
Tgt Ion: 83 Resp: 127778
Ion Ratio Lower Upper
83 100
85 65.4 45.6 84.6



#27
1,2-Dichloroethane
Concen: 52.831 ug/L
RT: 5.41 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VU026727.D
Acq: 13 Sep 2018 15:40

Tgt Ion: 62 Resp: 102267
Ion Ratio Lower Upper
62 100
98 9.5 7.4 11.0





#29

Cyclohexane

Concen: 55.667 ug/L

RT: 5.00 min Scan# 1190

Delta R.T. -0.00 min

Lab File: VU026727.D

Acq: 13 Sep 2018 15:40

Instrument :

MSVOA_U

ClientSampleId :

BFB41

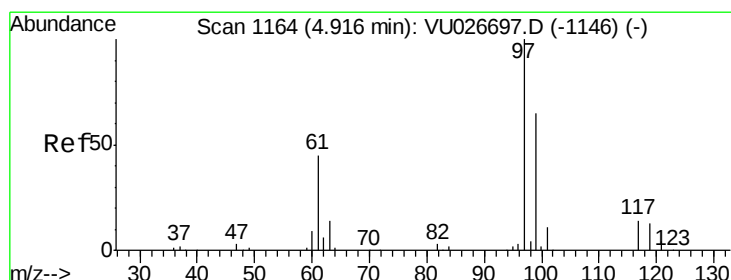
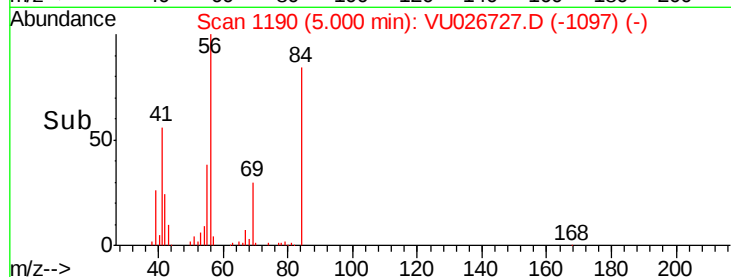
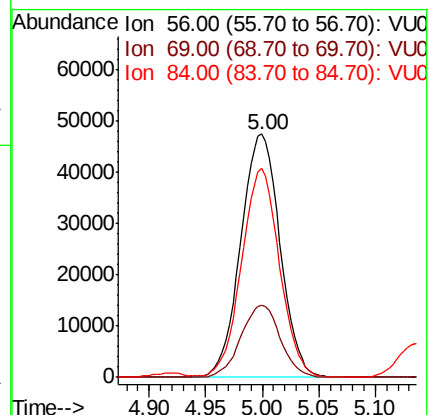
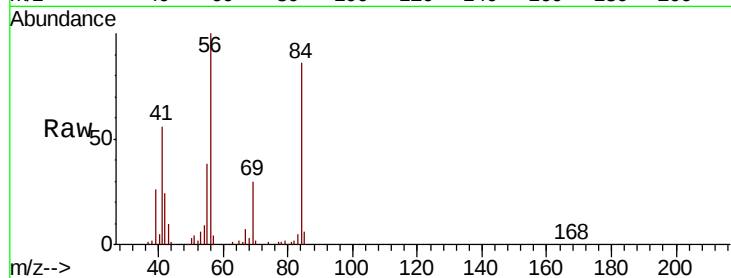
Tgt Ion: 56 Resp: 114794

Ion Ratio Lower Upper

56 100

69 29.6 23.0 34.6

84 82.9 66.5 99.7



#30

1,1,1-Trichloroethane

Concen: 53.993 ug/L

RT: 4.92 min Scan# 1164

Delta R.T. -0.00 min

Lab File: VU026727.D

Acq: 13 Sep 2018 15:40

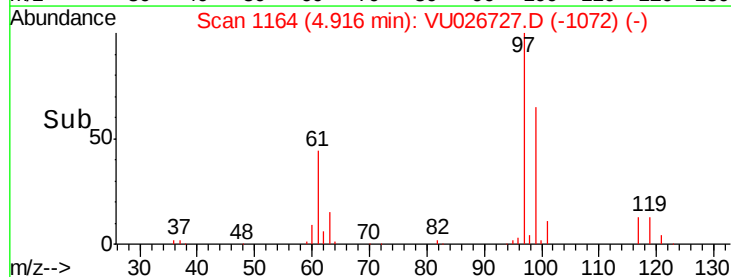
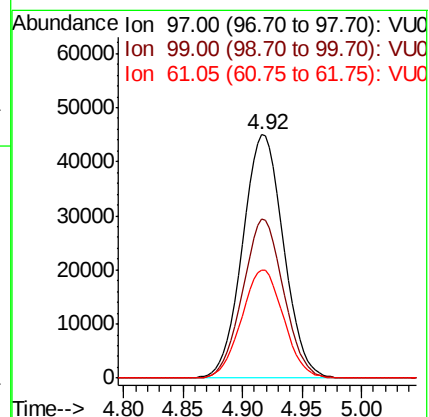
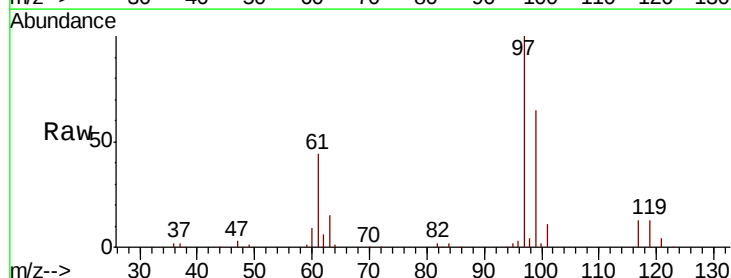
Tgt Ion: 97 Resp: 107682

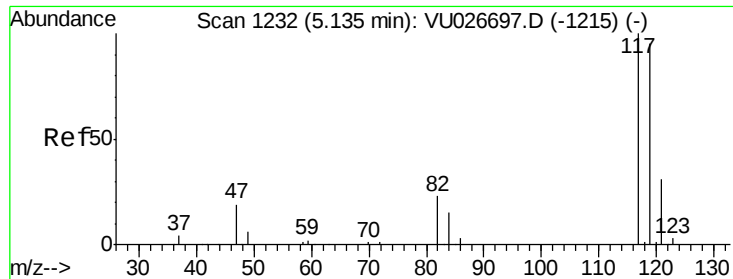
Ion Ratio Lower Upper

97 100

99 64.8 51.5 77.3

61 45.5 36.2 54.2





#31

Carbon tetrachloride

Concen: 53.806 ug/L

RT: 5.14 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VU026727.D

Acq: 13 Sep 2018 15:40

Instrument :

MSVOA_U

ClientSampleId :

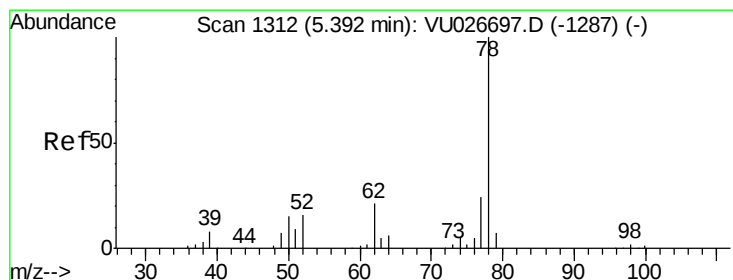
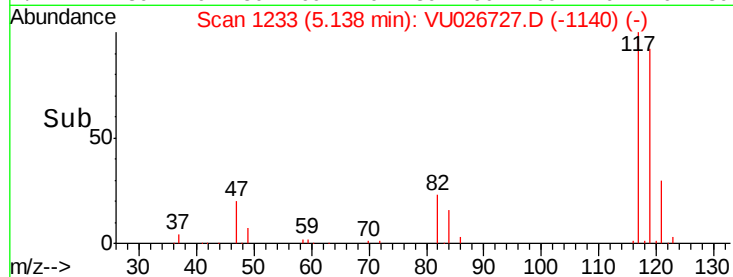
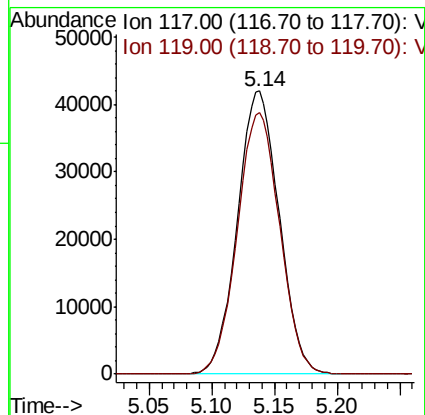
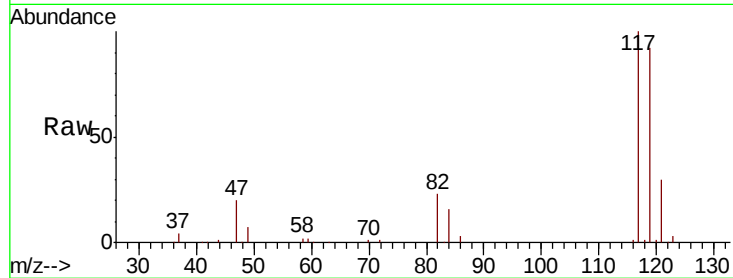
BFB41

Tgt Ion:117 Resp: 96997

Ion Ratio Lower Upper

117 100

119 94.0 77.6 116.4



#33

Benzene

Concen: 53.890 ug/L

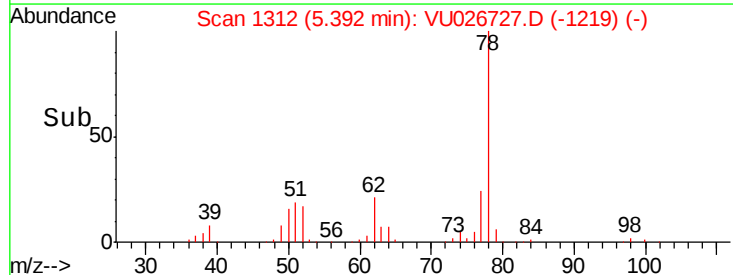
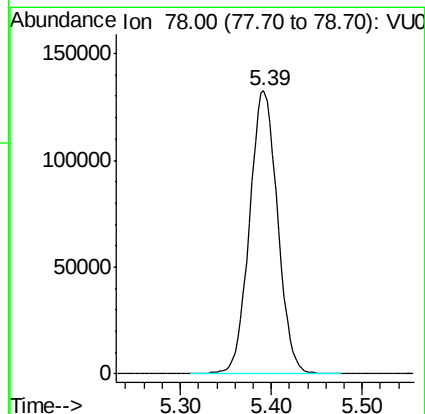
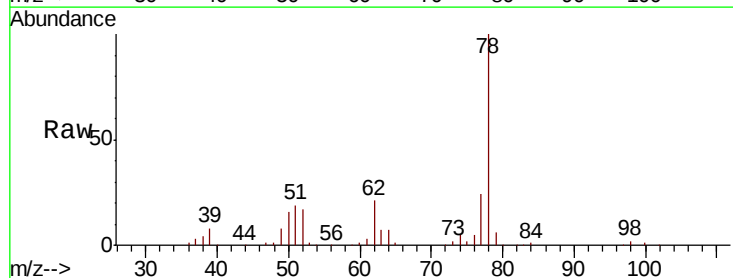
RT: 5.39 min Scan# 1312

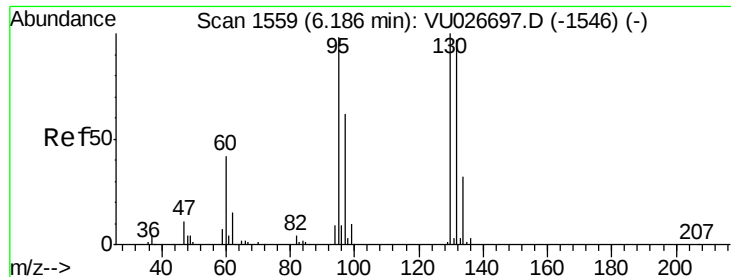
Delta R.T. -0.00 min

Lab File: VU026727.D

Acq: 13 Sep 2018 15:40

Tgt Ion: 78 Resp: 284107

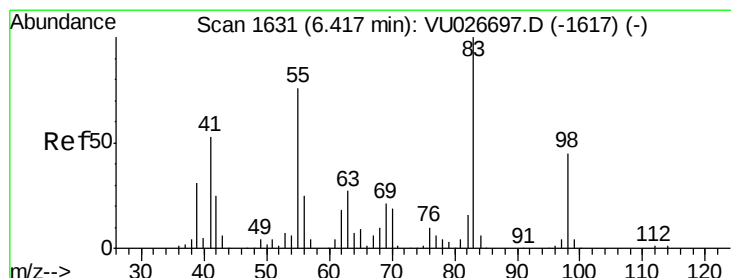
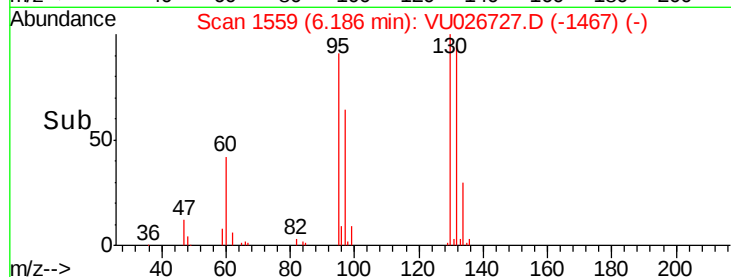
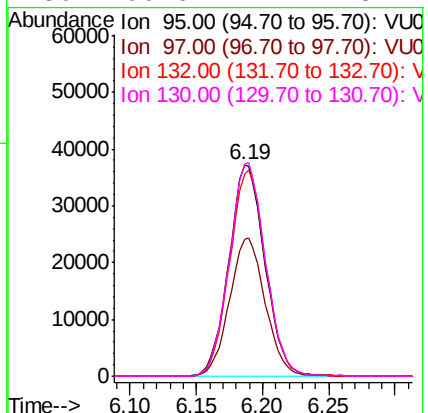
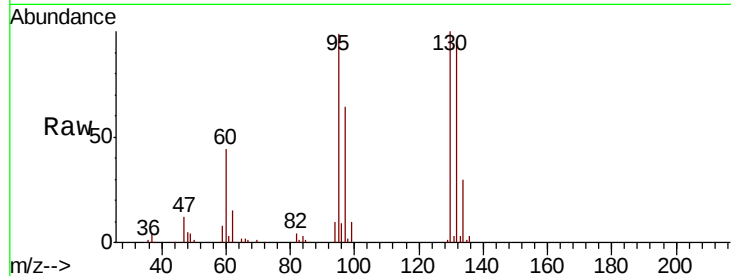




#34
 Trichloroethene
 Concen: 53.729 ug/L
 RT: 6.19 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VU026727.D
 Acq: 13 Sep 2018 15:40

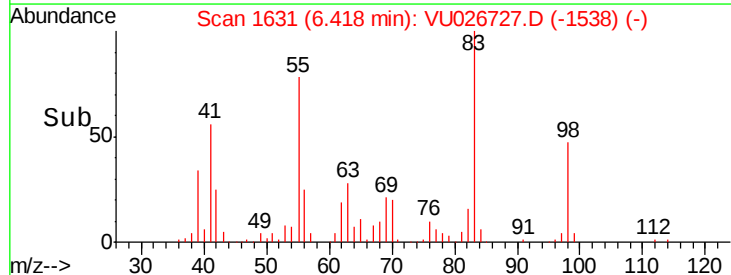
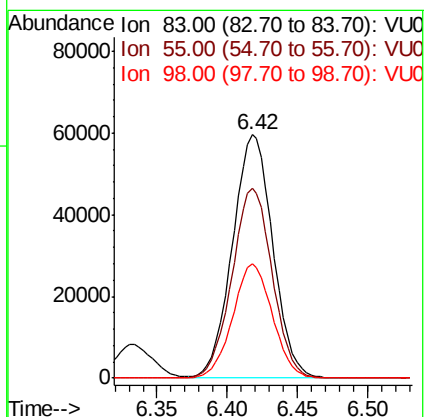
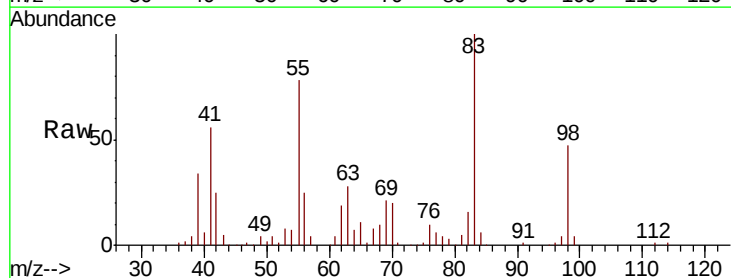
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB41

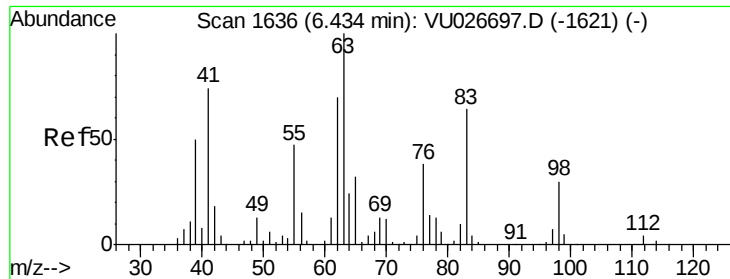
Tgt Ion:	95	Resp:	70405
Ion	Ratio	Lower	Upper
95	100		
97	64.6	44.9	83.5
132	95.4	69.7	129.5
130	100.6	72.4	134.4



#35
 Methylcyclohexane
 Concen: 56.967 ug/L
 RT: 6.42 min Scan# 1631
 Delta R.T. -0.00 min
 Lab File: VU026727.D
 Acq: 13 Sep 2018 15:40

Tgt Ion:	83	Resp:	119488
Ion	Ratio	Lower	Upper
83	100		
55	77.8	62.9	94.3
98	46.1	37.0	55.4

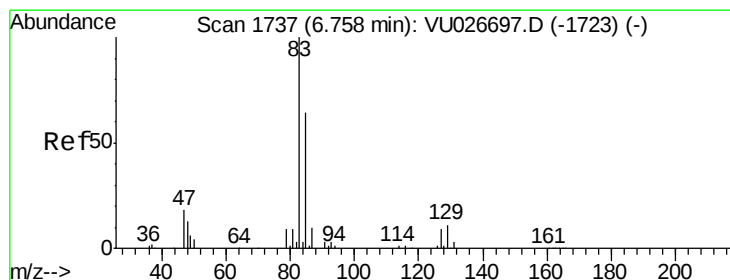
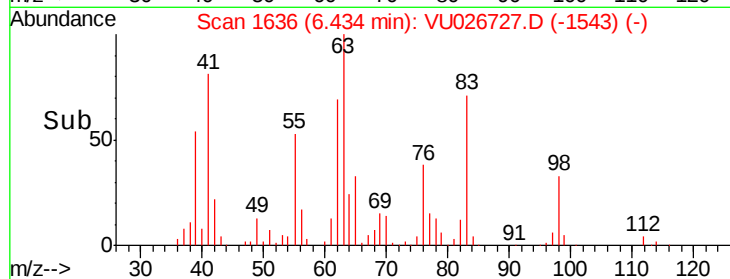
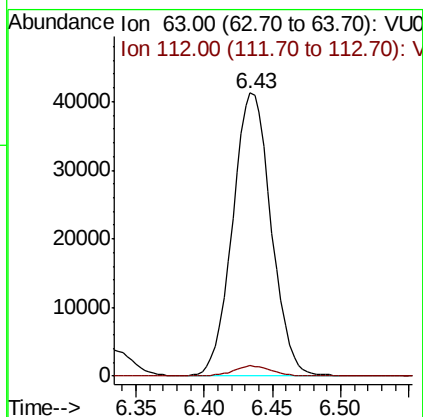
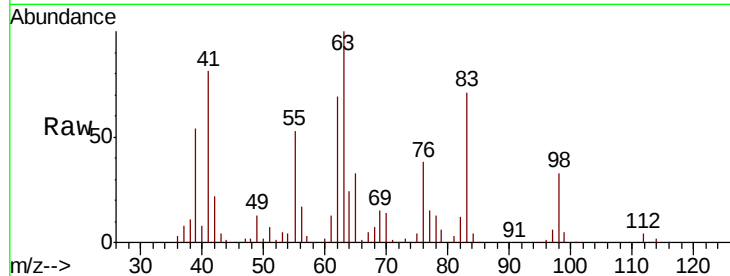




#37
 1,2-Dichloropropane
 Concen: 54.953 ug/L
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU026727.D
 Acq: 13 Sep 2018 15:40

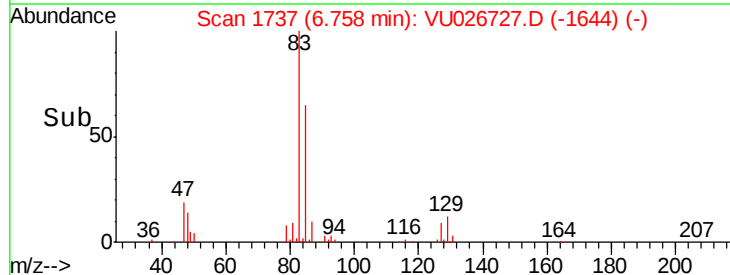
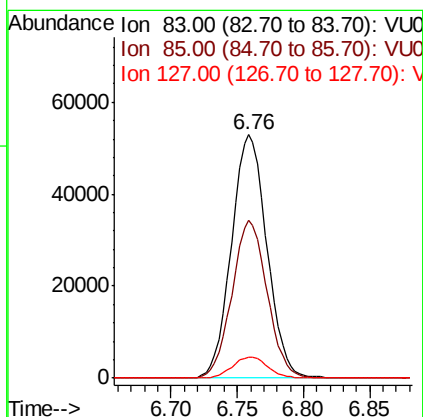
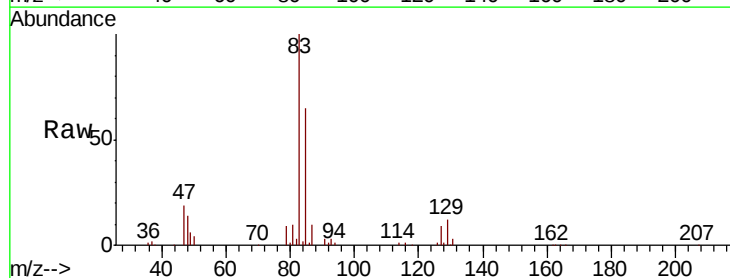
Instrument :
 MSVOA_U
 ClientSampled :
 BFB41

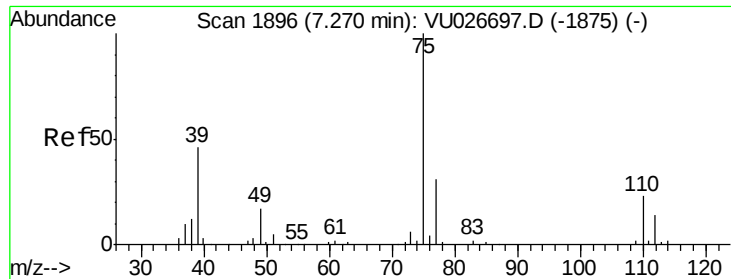
Tgt Ion: 63 Resp: 80934
 Ion Ratio Lower Upper
 63 100
 112 3.5 2.9 4.3



#38
 Bromodichloromethane
 Concen: 54.325 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VU026727.D
 Acq: 13 Sep 2018 15:40

Tgt Ion: 83 Resp: 98050
 Ion Ratio Lower Upper
 83 100
 85 64.6 45.1 83.9
 127 8.5 7.2 10.8

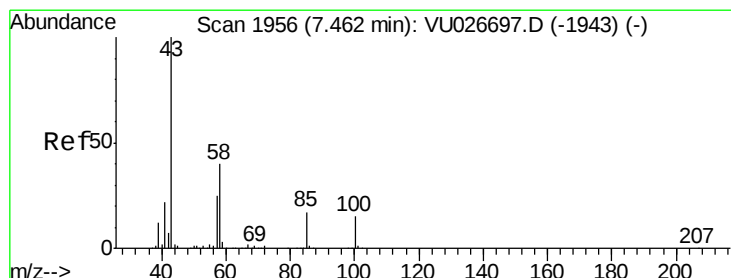
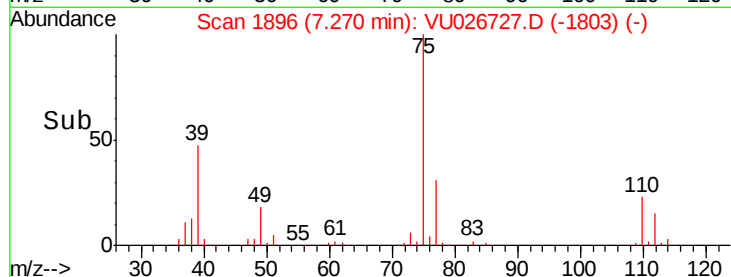
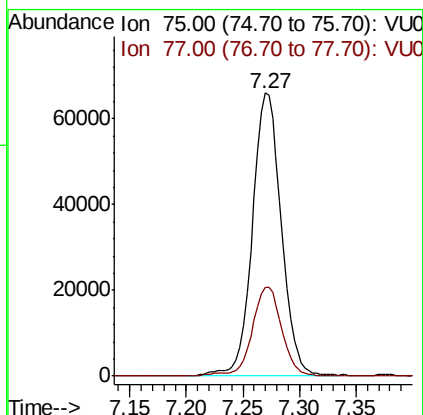
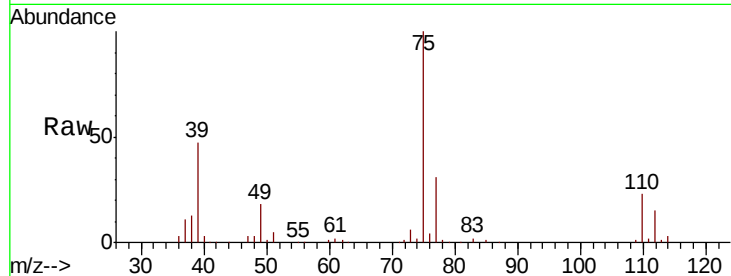




#39
 cis-1,3-Dichloropropene
 Concen: 54.036 ug/L
 RT: 7.27 min Scan# 1896
 Delta R.T. -0.00 min
 Lab File: VU026727.D
 Acq: 13 Sep 2018 15:40

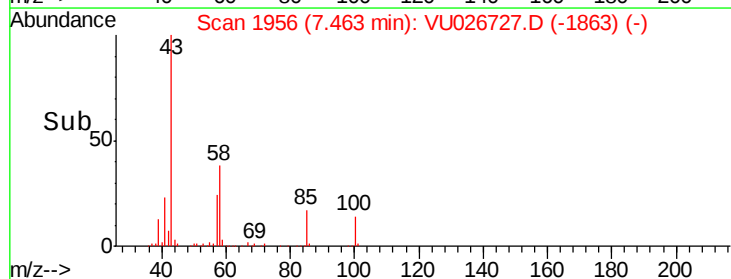
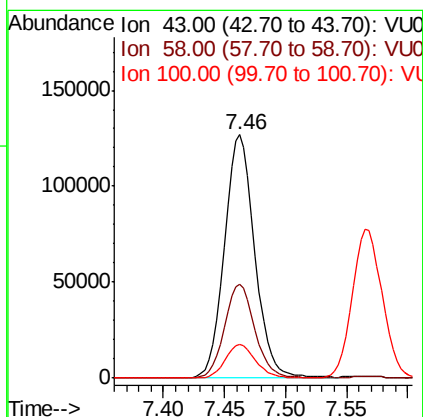
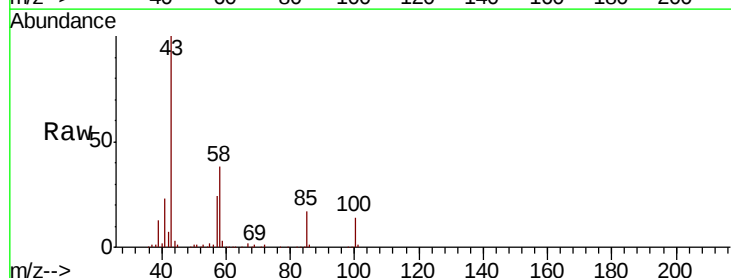
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB41

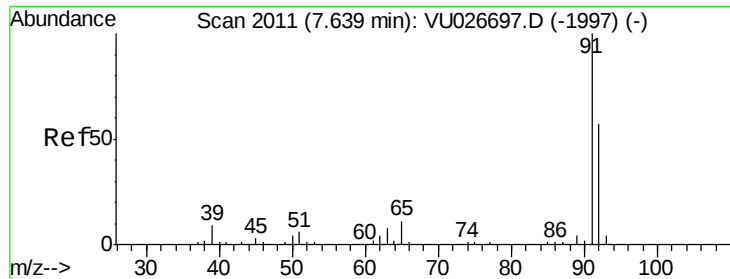
Tgt Ion: 75 Resp: 117763
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 117.665 ug/L
 RT: 7.46 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VU026727.D
 Acq: 13 Sep 2018 15:40

Tgt Ion: 43 Resp: 221054
 Ion Ratio Lower Upper
 43 100
 58 38.6 31.1 46.7
 100 13.8 11.3 16.9





#42

Toluene

Concen: 54.856 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU026727.D

Acq: 13 Sep 2018 15:40

Instrument :

MSVOA_U

ClientSampleId :

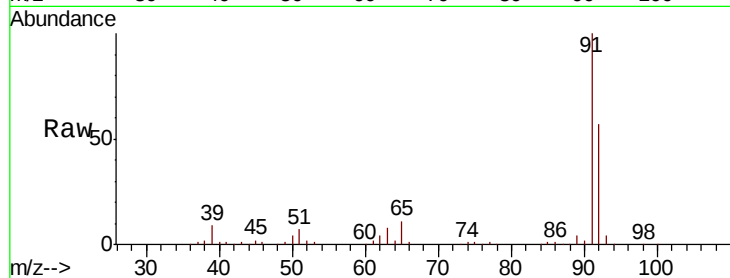
BFB41

Tgt Ion: 91 Resp: 299750

Ion Ratio Lower Upper

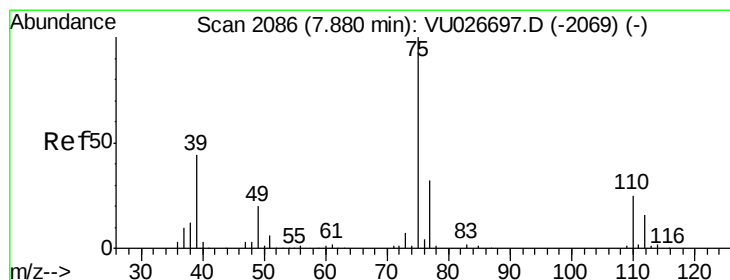
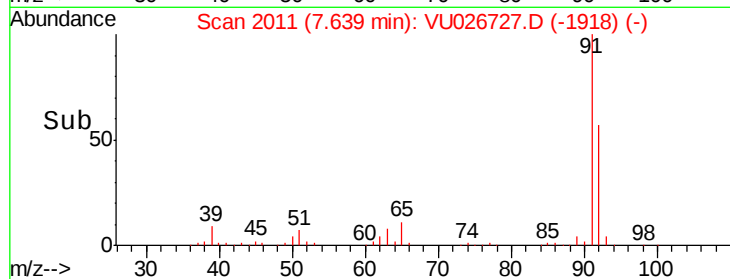
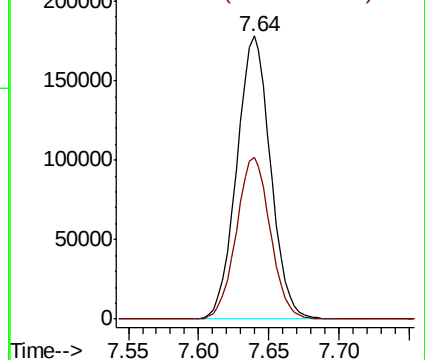
91 100

92 57.2 40.3 74.9



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: 54.309 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VU026727.D

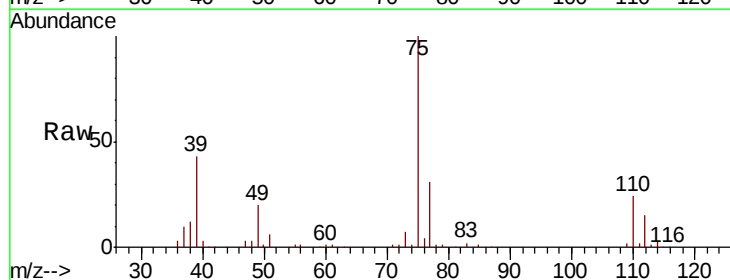
Acq: 13 Sep 2018 15:40

Tgt Ion: 75 Resp: 110110

Ion Ratio Lower Upper

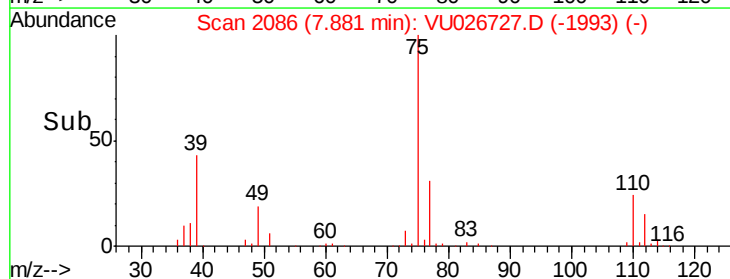
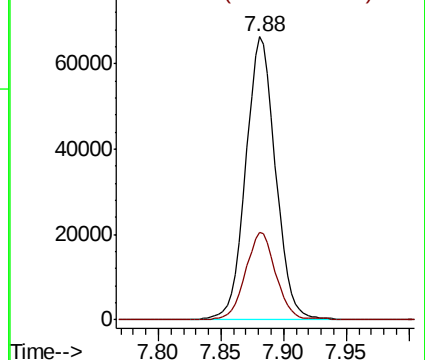
75 100

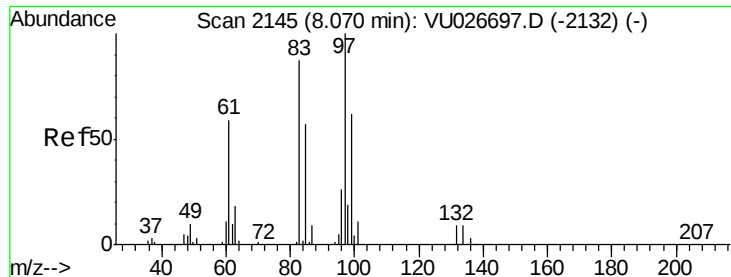
77 31.0 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

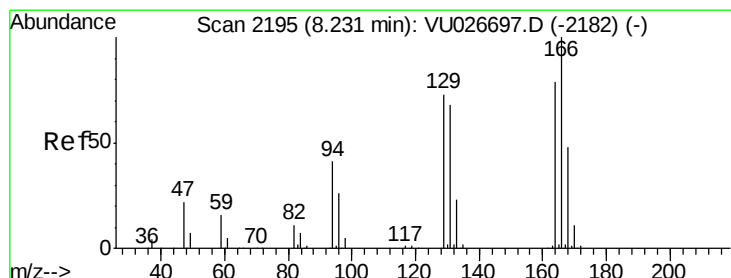
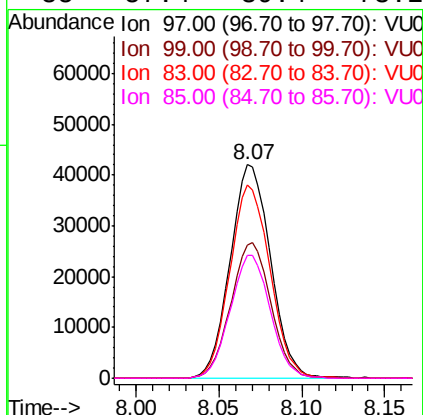
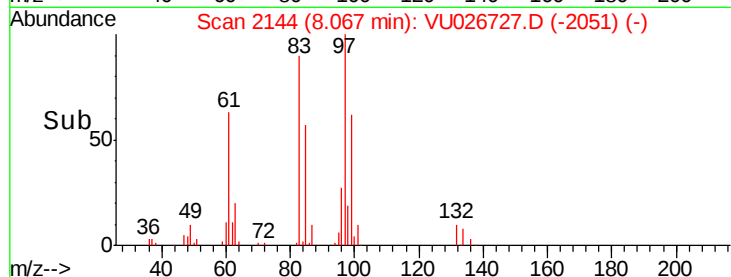
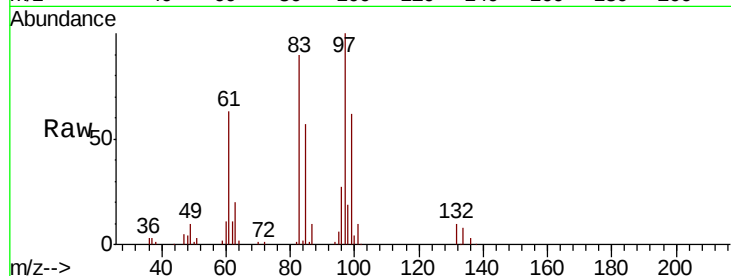




#45
 1,1,2-Trichloroethane
 Concen: 54.514 ug/L
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU026727.D
 Acq: 13 Sep 2018 15:40

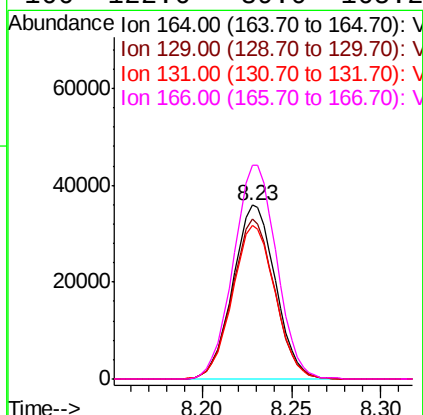
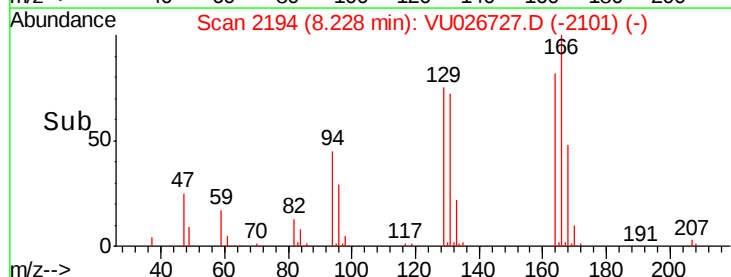
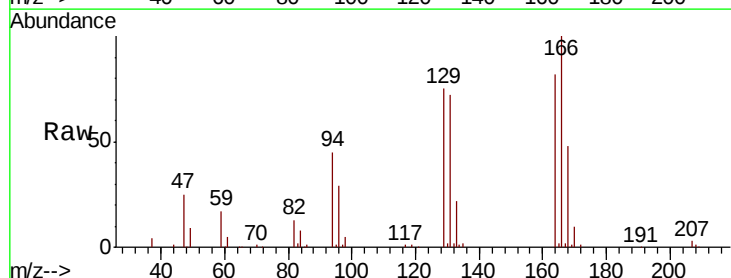
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB41

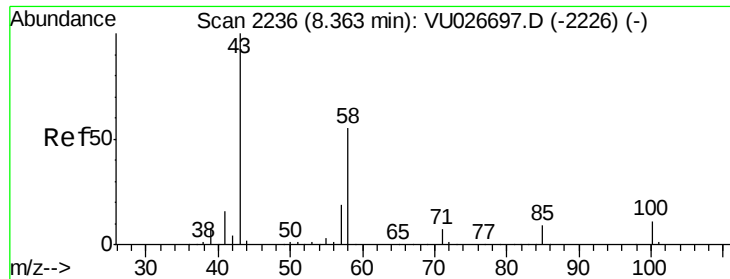
Tgt Ion:	97	Resp:	71217
Ion	Ratio	Lower	Upper
97	100		
99	62.2	44.2	82.2
83	90.4	63.8	118.6
85	57.4	39.4	73.2



#46
 Tetrachloroethene
 Concen: 54.128 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VU026727.D
 Acq: 13 Sep 2018 15:40

Tgt Ion:	164	Resp:	59609
Ion	Ratio	Lower	Upper
164	100		
129	92.2	65.0	120.8
131	88.6	62.5	116.1
166	122.6	89.0	165.2

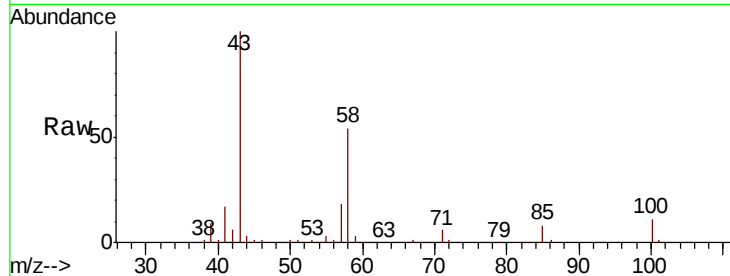




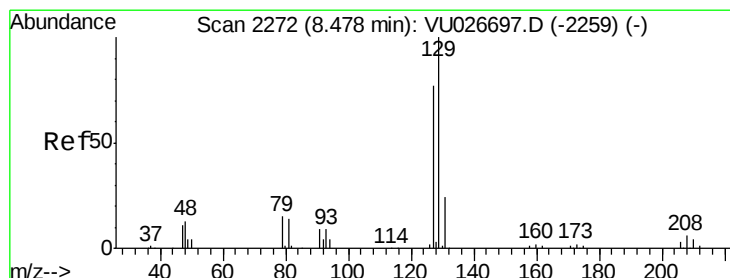
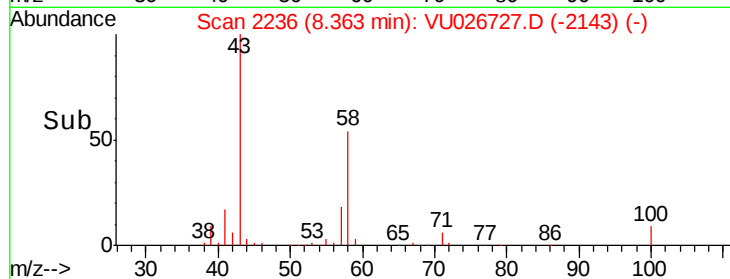
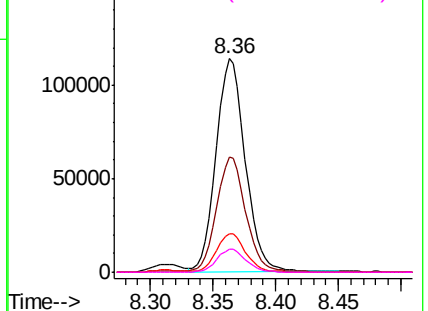
#48
2-Hexanone
Concen: 116.362 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU026727.D
Acq: 13 Sep 2018 15:40

Instrument :
MSVOA_U
ClientSampleId :
BFB41

Tgt Ion: 43 Resp: 184565
Ion Ratio Lower Upper
43 100
58 53.6 42.2 63.4
57 18.2 14.4 21.6
100 10.8 8.7 13.1

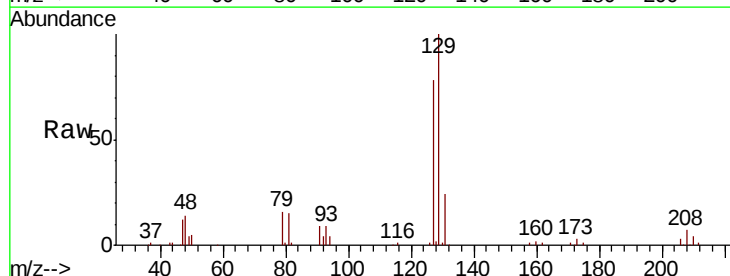


Abundance Ion 43.00 (42.70 to 43.70): VU026697.D (-2226) (-)
Ion 58.00 (57.70 to 58.70): VU026697.D (-2226) (-)
Ion 57.00 (56.70 to 57.70): VU026697.D (-2226) (-)
Ion 100.00 (99.70 to 100.70): VU026697.D (-2226) (-)

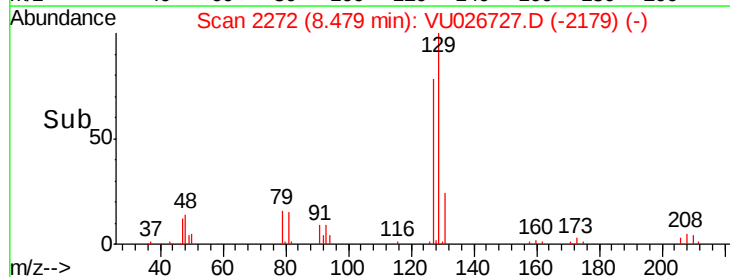
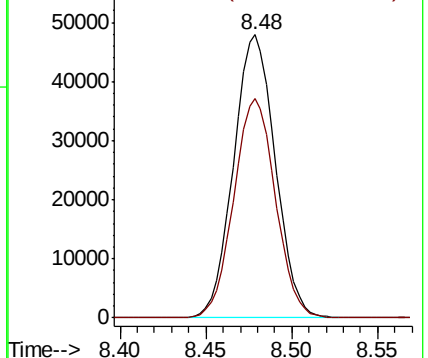


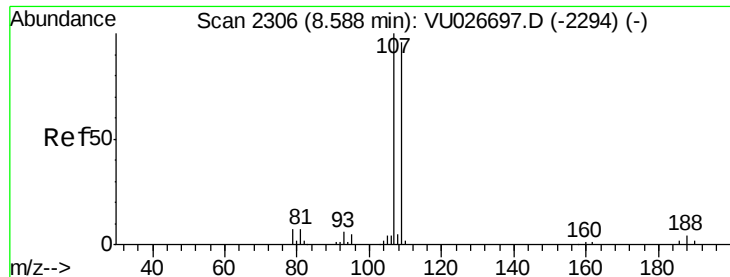
#49
Dibromochloromethane
Concen: 53.471 ug/L
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU026727.D
Acq: 13 Sep 2018 15:40

Tgt Ion: 129 Resp: 80742
Ion Ratio Lower Upper
129 100
127 77.6 55.8 103.6



Abundance Ion 129.00 (128.70 to 129.70): VU026697.D (-2259) (-)
Ion 127.00 (126.70 to 127.70): VU026697.D (-2259) (-)

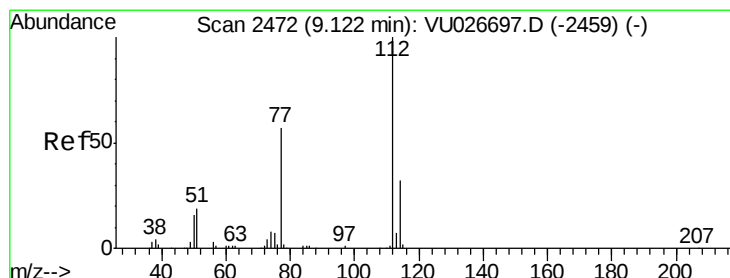
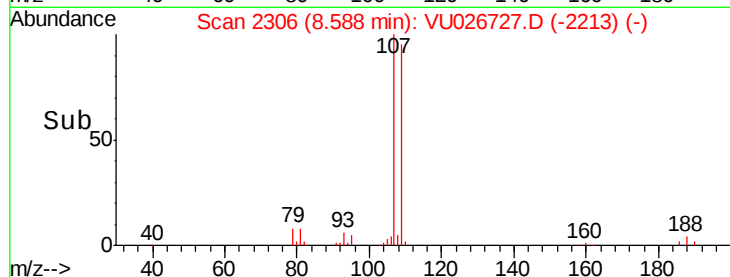
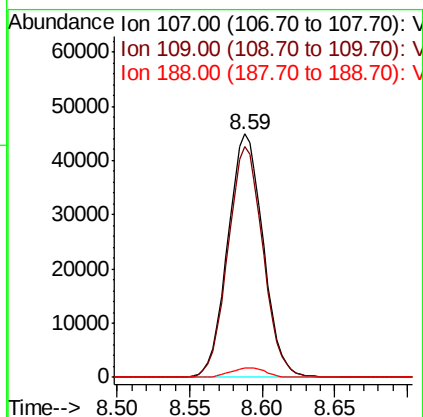
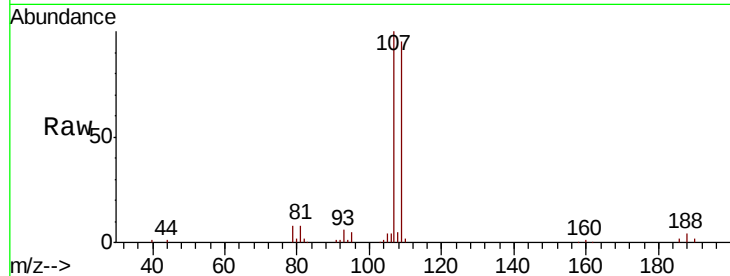




#50
 1,2-Dibromoethane
 Concen: 54.392 ug/L
 RT: 8.59 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VU026727.D
 Acq: 13 Sep 2018 15:40

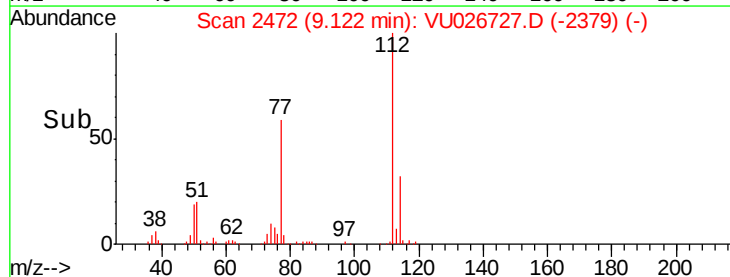
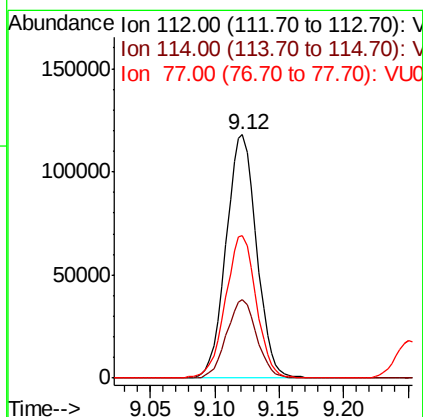
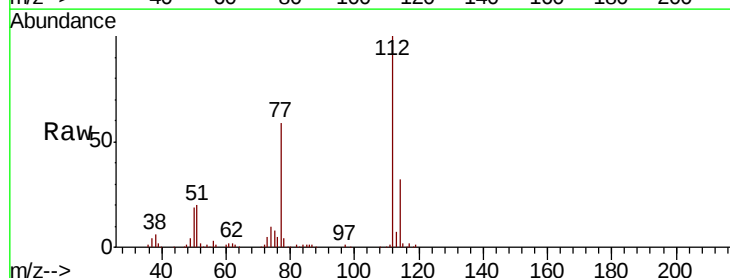
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB41

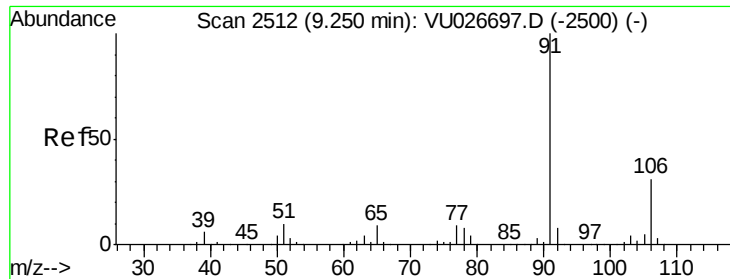
Tgt Ion:107 Resp: 76014
 Ion Ratio Lower Upper
 107 100
 109 94.8 66.4 123.4
 188 3.6 3.0 4.4



#51
 Chlorobenzene
 Concen: 53.835 ug/L
 RT: 9.12 min Scan# 2472
 Delta R.T. -0.00 min
 Lab File: VU026727.D
 Acq: 13 Sep 2018 15:40

Tgt Ion:112 Resp: 193150
 Ion Ratio Lower Upper
 112 100
 114 32.5 22.9 42.5
 77 58.8 47.2 70.8





#52

Ethylbenzene

Concen: 55.513 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU026727.D

Acq: 13 Sep 2018 15:40

Instrument :

MSVOA_U

ClientSampleId :

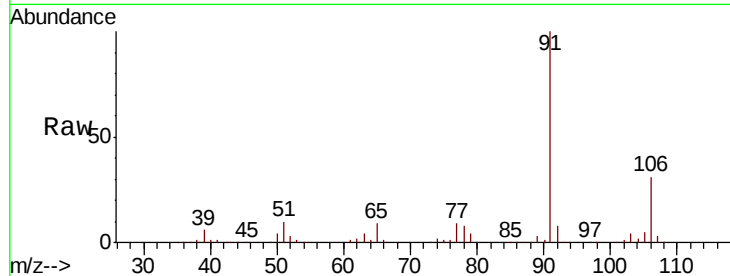
BFB41

Tgt Ion: 91 Resp: 328057

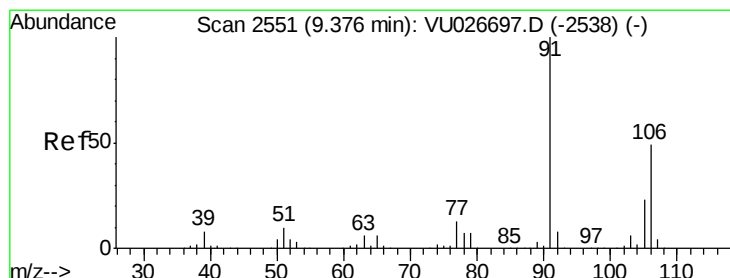
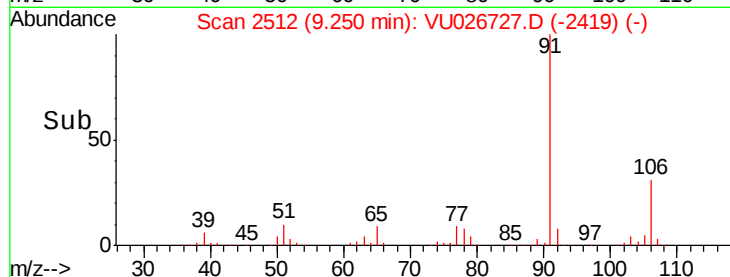
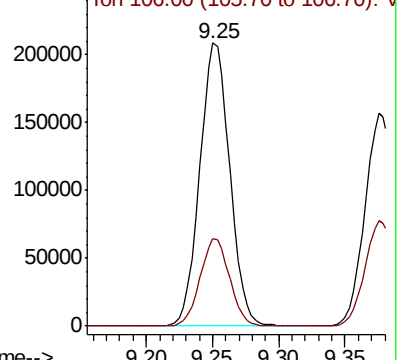
Ion Ratio Lower Upper

91 100

106 30.7 22.1 41.1



Abundance Ion 91.00 (90.70 to 91.70): VU026697.D (-2500) (-)



#53

m,p-Xylene

Concen: 56.614 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU026727.D

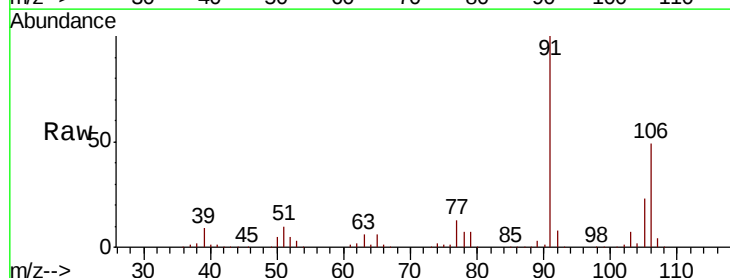
Acq: 13 Sep 2018 15:40

Tgt Ion: 106 Resp: 126150

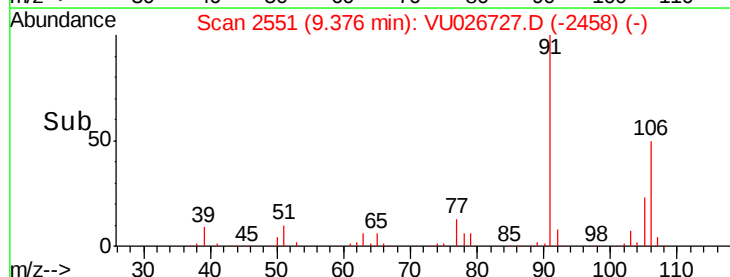
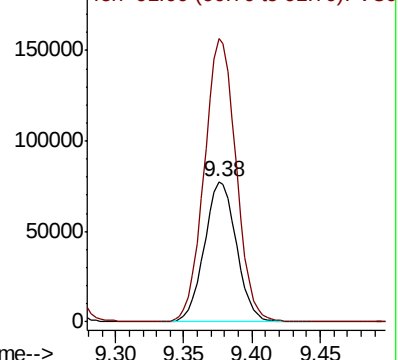
Ion Ratio Lower Upper

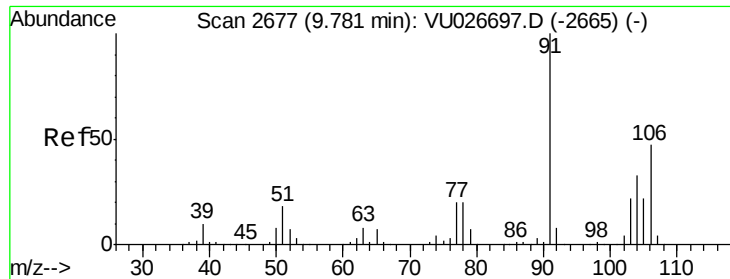
106 100

91 202.0 142.9 265.5



Abundance Ion 106.00 (105.70 to 106.70): VU026697.D (-2538) (-)





#54

o-xylene

Concen: 55.852 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VU026727.D

Acq: 13 Sep 2018 15:40

Instrument :

MSVOA_U

ClientSampleId :

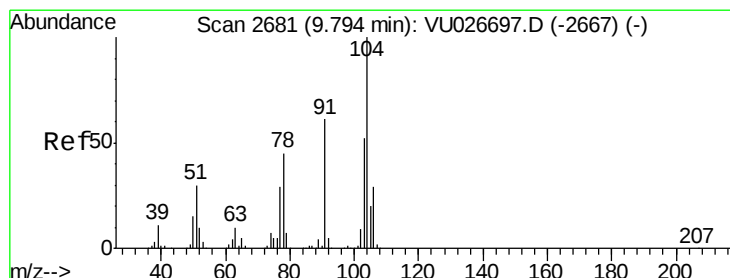
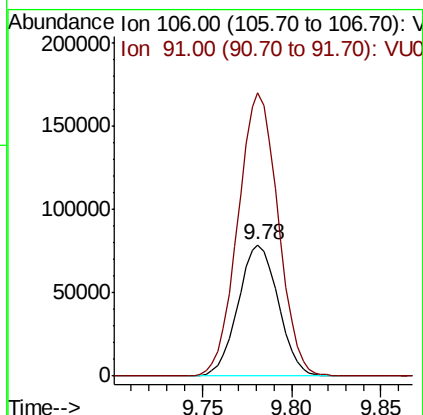
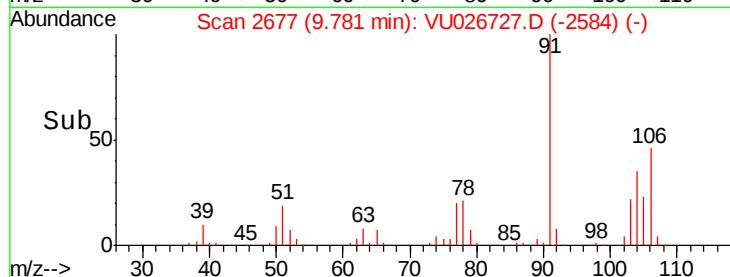
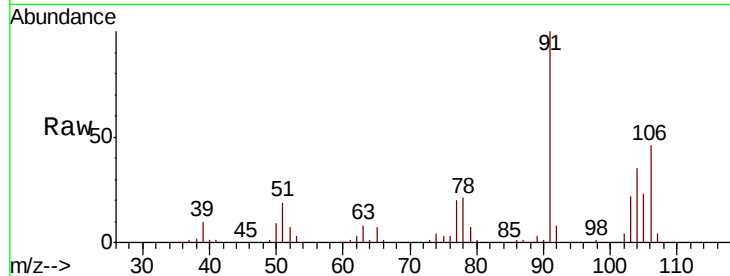
BFB41

Tgt Ion:106 Resp: 123514

Ion Ratio Lower Upper

106 100

91 215.5 149.4 277.4



#55

Styrene

Concen: 56.388 ug/L

RT: 9.79 min Scan# 2681

Delta R.T. -0.00 min

Lab File: VU026727.D

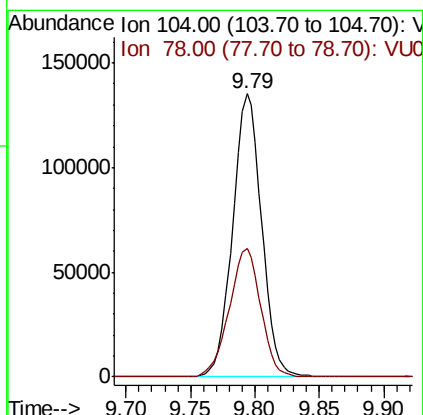
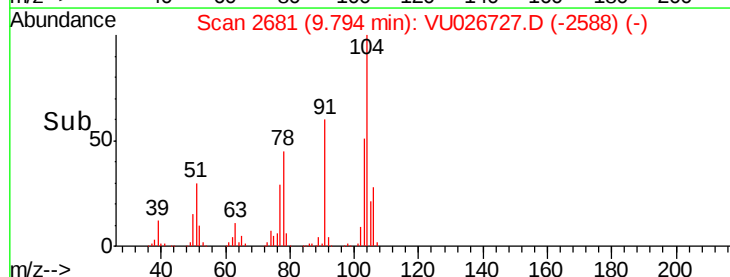
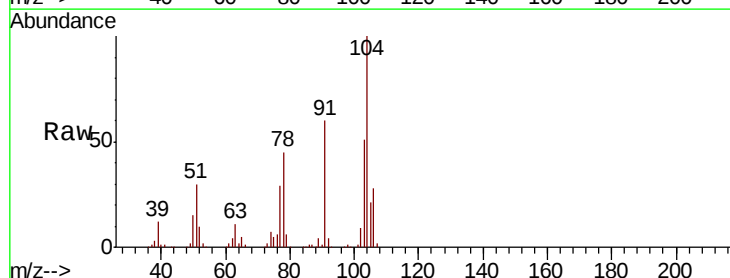
Acq: 13 Sep 2018 15:40

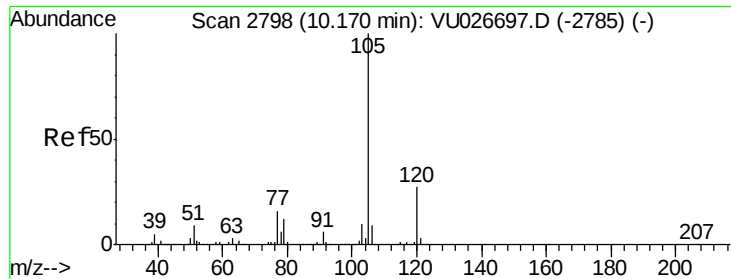
Tgt Ion:104 Resp: 210936

Ion Ratio Lower Upper

104 100

78 45.3 31.7 58.9





#56

Isopropylbenzene

Concen: 56.957 ug/L

RT: 10.17 min Scan# 2798

Delta R.T. -0.00 min

Lab File: VU026727.D

Acq: 13 Sep 2018 15:40

Instrument :

MSVOA_U

ClientSampled :

BFB41

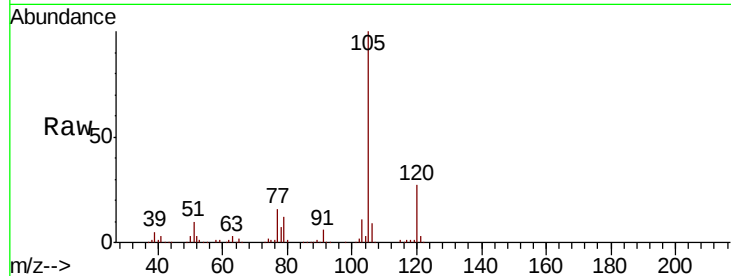
Tgt Ion: 105 Resp: 320861

Ion Ratio Lower Upper

105 100

120 26.8 21.5 32.3

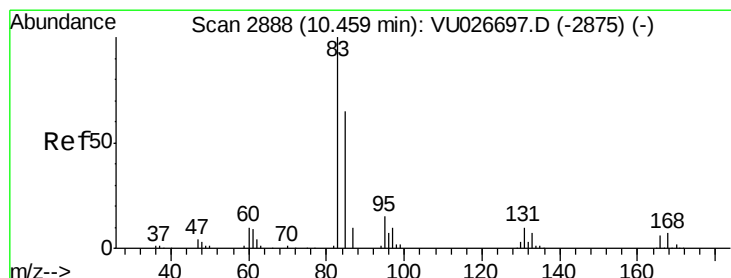
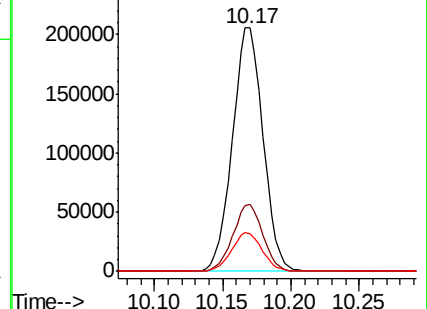
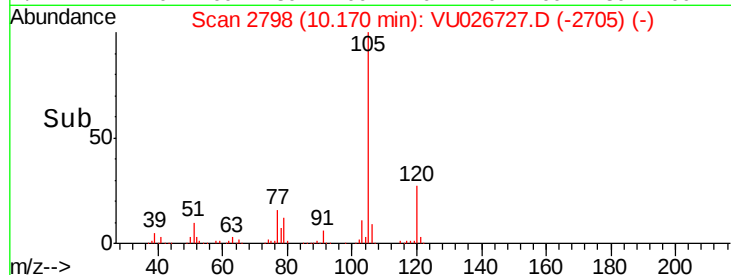
77 15.8 12.6 18.8



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: 54.688 ug/L

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU026727.D

Acq: 13 Sep 2018 15:40

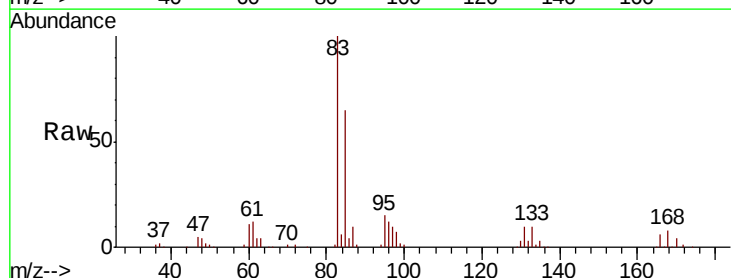
Tgt Ion: 83 Resp: 123770

Ion Ratio Lower Upper

83 100

85 64.8 45.4 84.2

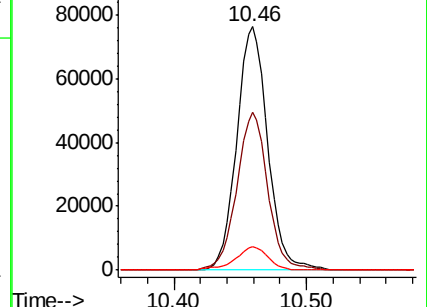
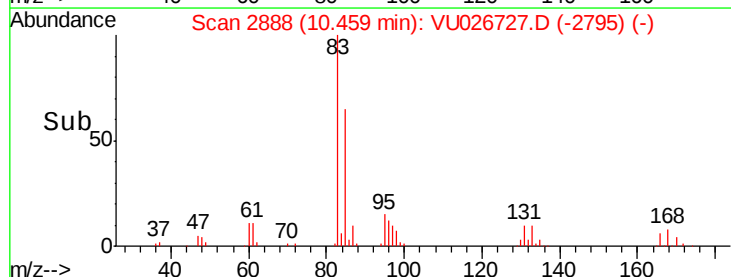
131 9.6 8.0 12.0

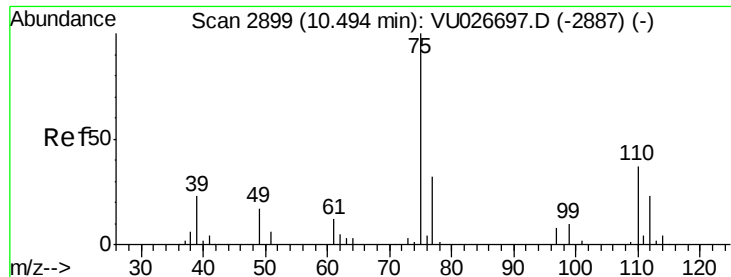


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

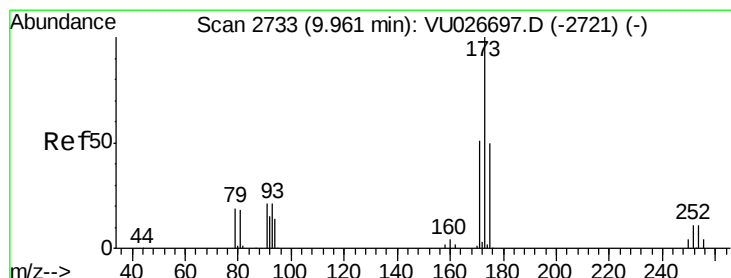
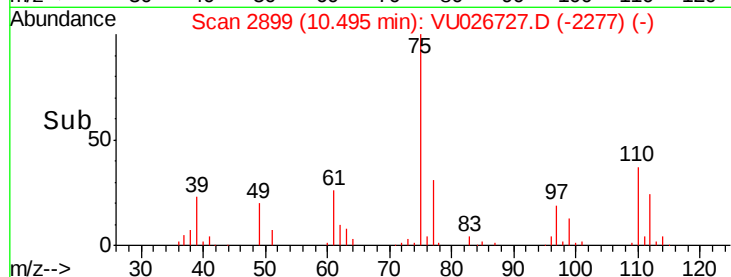
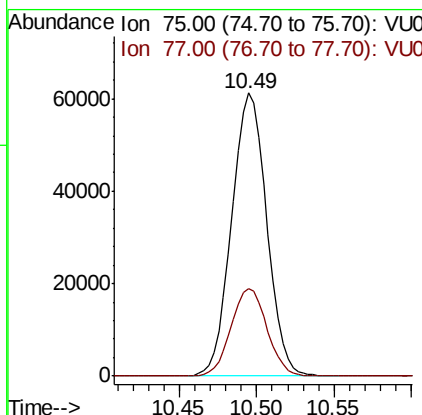
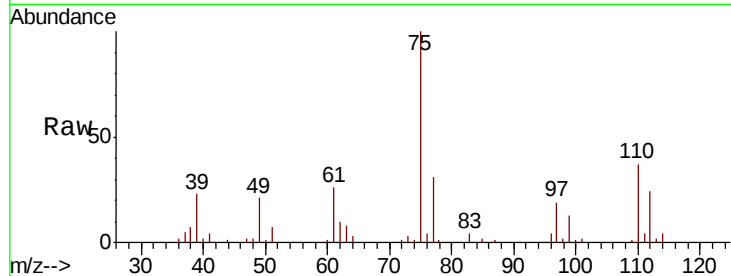




#59
 1,2,3-Trichloropropane
 Concen: 55.242 ug/L
 RT: 10.49 min Scan# 2899
 Delta R.T. -0.00 min
 Lab File: VU026727.D
 Acq: 13 Sep 2018 15:40

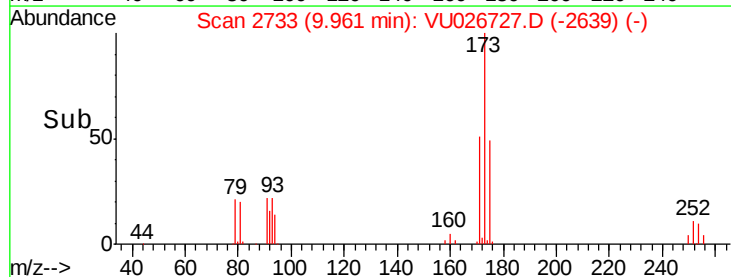
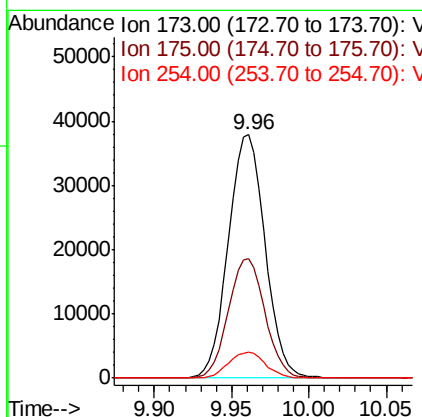
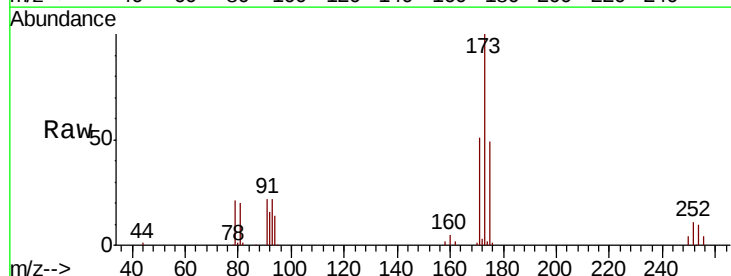
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB41

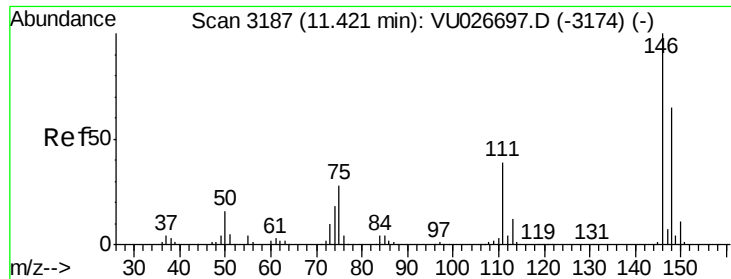
Tgt Ion: 75 Resp: 96264
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.8 38.6



#61
 Bromoform
 Concen: 52.605 ug/L
 RT: 9.96 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VU026727.D
 Acq: 13 Sep 2018 15:40

Tgt Ion: 173 Resp: 62435
 Ion Ratio Lower Upper
 173 100
 175 48.8 38.2 57.4
 254 10.7 8.2 12.4

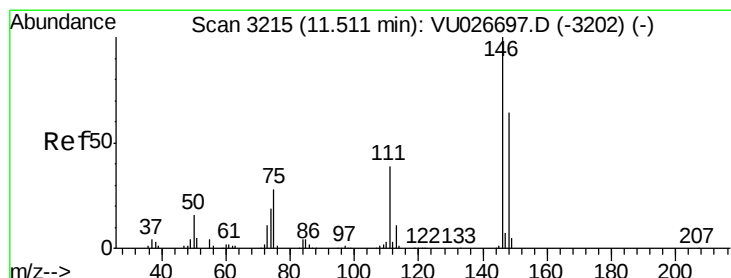
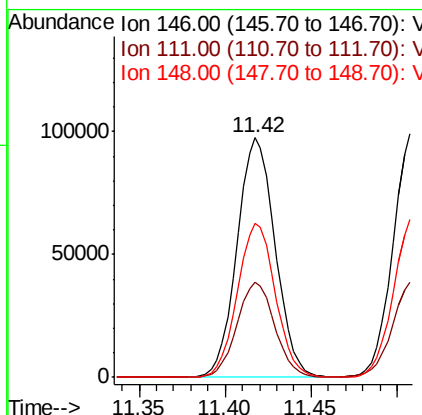
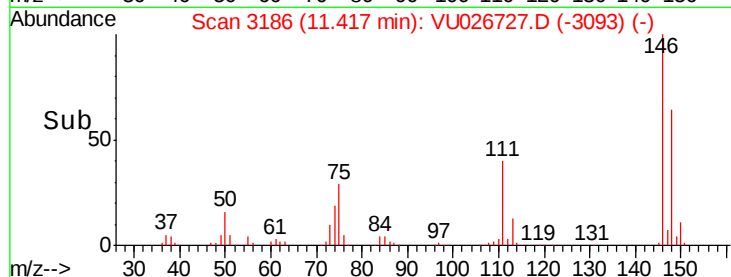
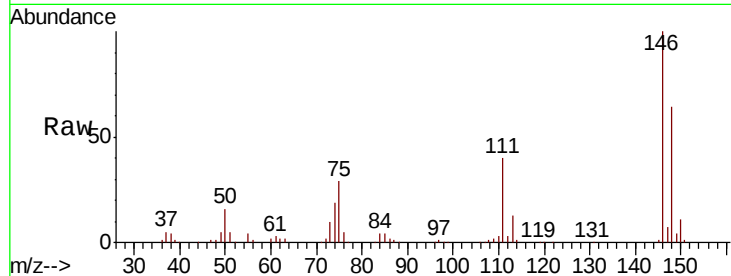




#62
 1,3-Dichlorobenzene
 Concen: 54.351 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU026727.D
 Acq: 13 Sep 2018 15:40

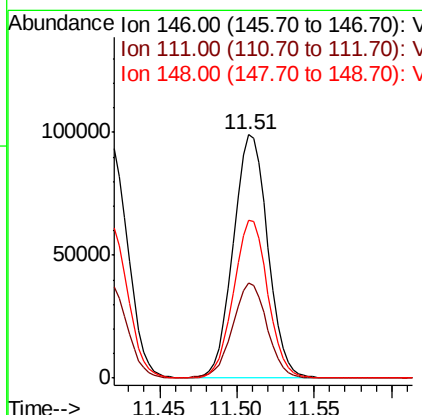
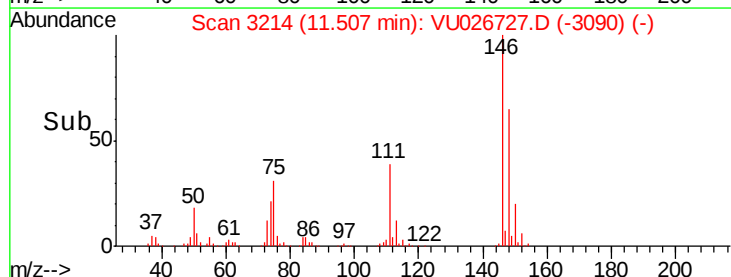
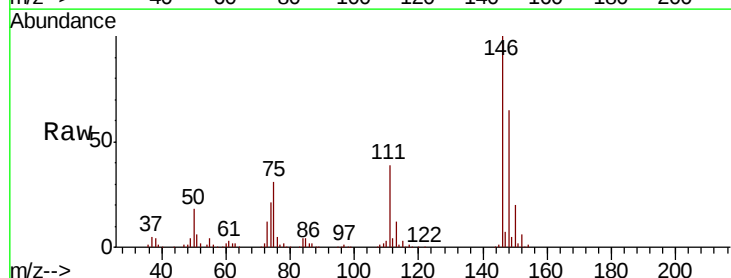
Instrument :
 MSVOA_U
 ClientSampled :
 BFB41

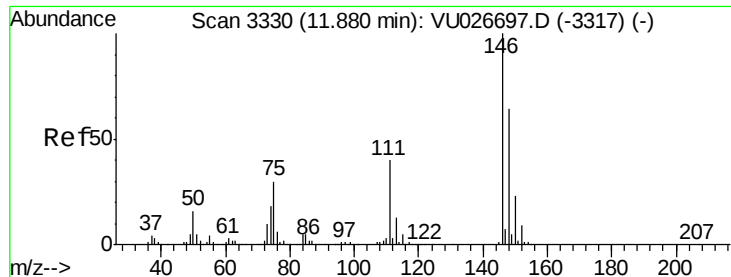
Tgt Ion:146 Resp: 150359
 Ion Ratio Lower Upper
 146 100
 111 39.7 26.7 49.5
 148 64.5 44.2 82.2



#63
 1,4-Dichlorobenzene
 Concen: 52.063 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU026727.D
 Acq: 13 Sep 2018 15:40

Tgt Ion:146 Resp: 152579
 Ion Ratio Lower Upper
 146 100
 111 38.9 26.5 49.3
 148 64.8 45.2 84.0

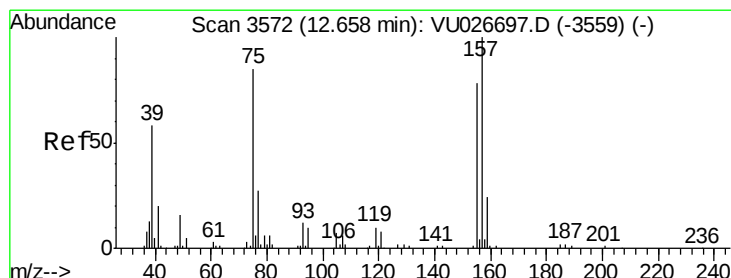
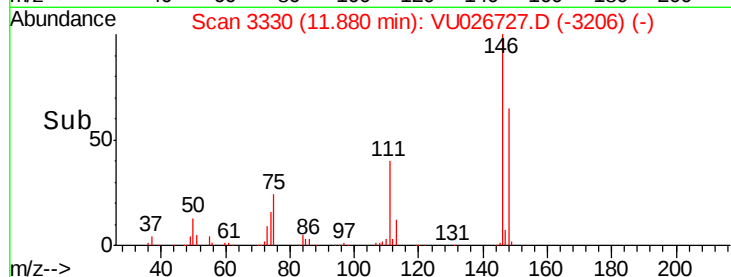
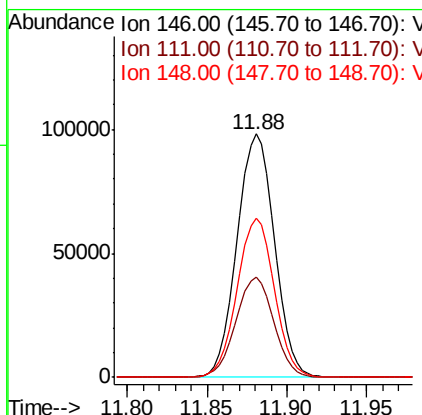
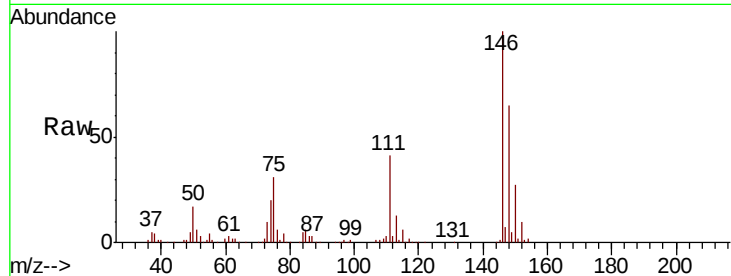




#65
 1,2-Dichlorobenzene
 Concen: 53.610 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU026727.D
 Acq: 13 Sep 2018 15:40

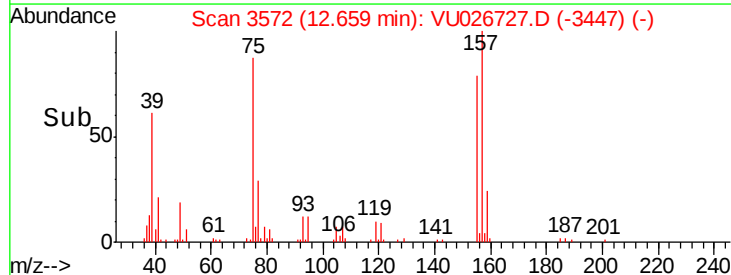
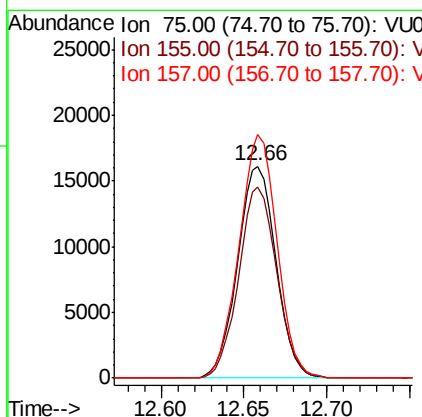
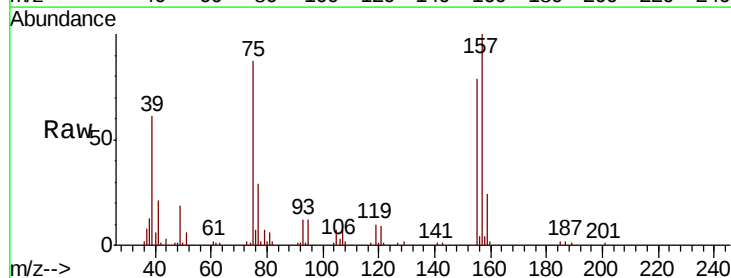
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB41

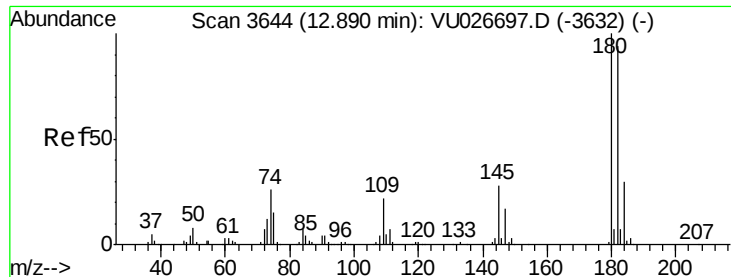
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	32.8	49.2
148	65.4	52.2	78.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 55.027 ug/L
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU026727.D
 Acq: 13 Sep 2018 15:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.4	69.3	103.9
157	115.0	93.4	140.0

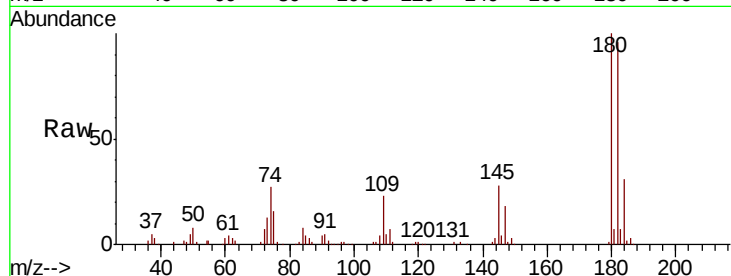




#67
 1,3,5-Trichlorobenzene
 Concen: 55.533 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. -0.00 min
 Lab File: VU026727.D
 Acq: 13 Sep 2018 15:40

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.8	115.2
184	30.3	24.2	36.2
145	28.0	21.4	32.2



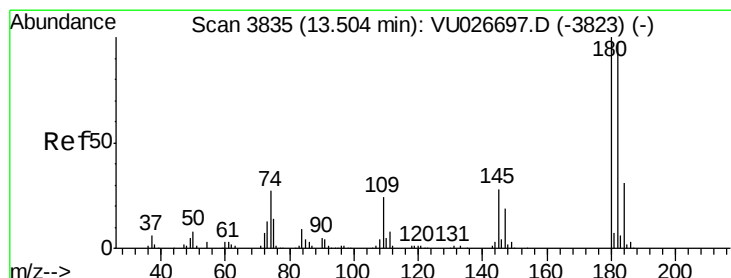
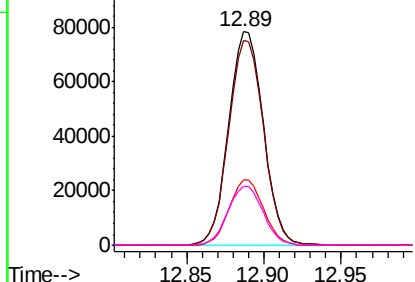
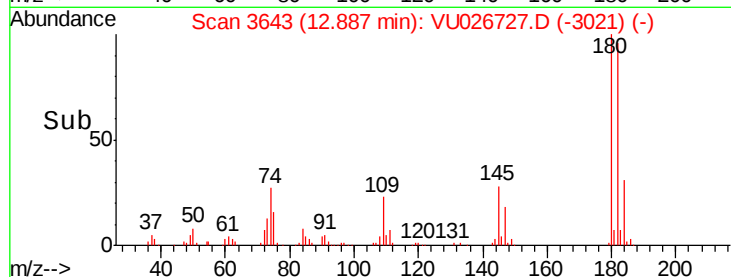
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

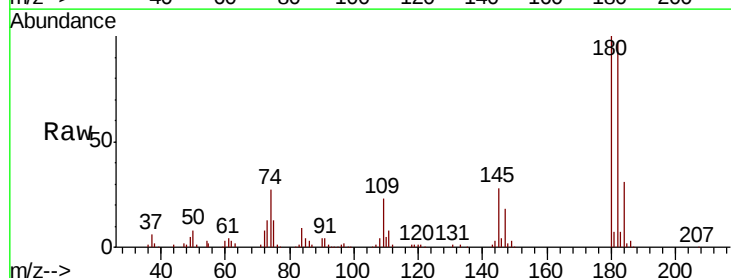
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 55.966 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU026727.D
 Acq: 13 Sep 2018 15:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.0	114.0
145	28.1	23.4	35.0

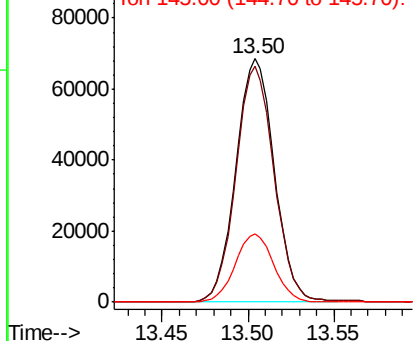
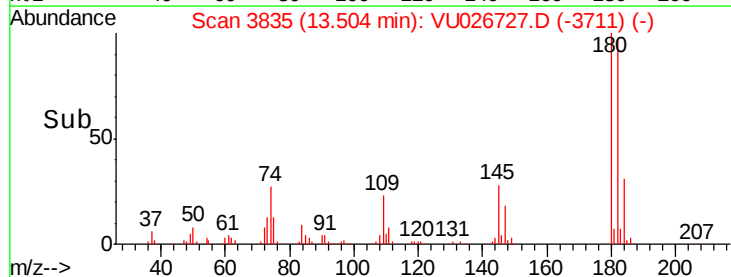


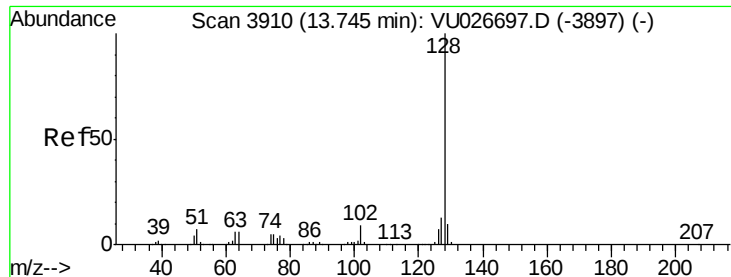
Abundance

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: 58.621 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU026727.D

Acq: 13 Sep 2018 15:40

Instrument :

MSVOA_U

ClientSampled :

BFB41

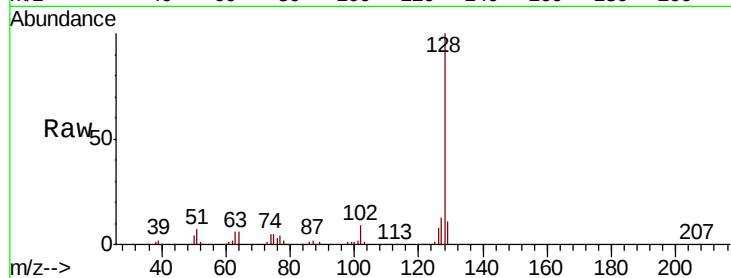
Tgt Ion:128 Resp: 342609

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

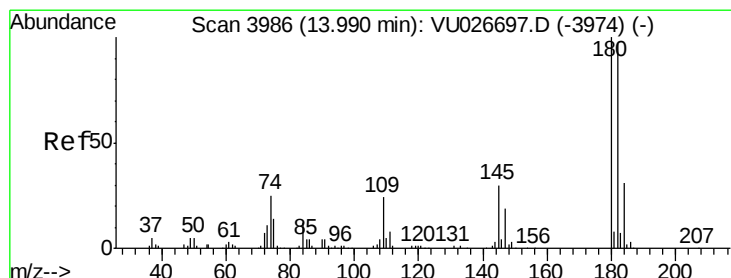
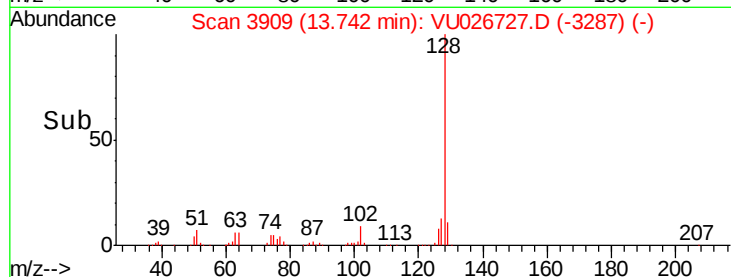
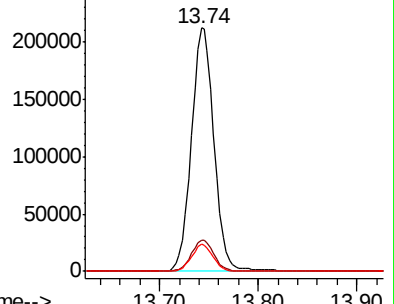
129 10.7 8.6 13.0



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: 56.282 ug/L

RT: 13.99 min Scan# 3986

Delta R.T. 0.00 min

Lab File: VU026727.D

Acq: 13 Sep 2018 15:40

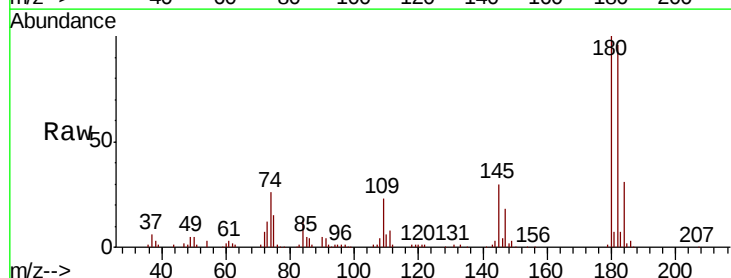
Tgt Ion:180 Resp: 116278

Ion Ratio Lower Upper

180 100

182 95.7 76.7 115.1

145 29.9 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

