

Data File : VU024919.D
Acq On : 26 Jun 2018 11:29
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

Quant Time: Jun 27 01:01:48 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061518WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 23 01:10:56 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	351262	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	324706	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	171279	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	75710	37.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.30%
7) Chloroethane-d5	1.68	69	71634	46.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.62%
11) 1,1-Dichloroethene-d2	2.28	63	191158	47.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.18%
21) 2-Butanone-d5	4.18	46	170871	100.69	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.69%
24) Chloroform-d	4.65	84	203475	50.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.46%
26) 1,2-Dichloroethane-d4	5.31	65	145702	57.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.70%
32) Benzene-d6	5.35	84	390422	49.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.76%
36) 1,2-Dichloropropane-d6	6.33	67	128618	49.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.08%
41) Toluene-d8	7.57	98	384198	48.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.32%
43) trans-1,3-Dichloropropene-	7.85	79	62332	46.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.14%
47) 2-Hexanone-d5	8.31	63	134412	99.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.54%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	193334	50.25	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.50%
64) 1,2-Dichlorobenzene-d4	11.86	152	170714	51.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.30%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	148858	52.391 ug/L	99
3) Chloromethane	1.33	50	118939	46.553 ug/L	100
5) Vinyl chloride	1.41	62	127281	46.505 ug/L	98
6) Bromomethane	1.63	94	69001	53.404 ug/L	97
8) Chloroethane	1.70	64	80948	50.369 ug/L	98
9) Trichlorofluoromethane	1.89	101	205522	51.150 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	121147	53.156 ug/L	99
12) 1,1-Dichloroethene	2.29	96	105705	50.629 ug/L	96
13) Acetone	2.33	43	196394	108.408 ug/L	96
14) Carbon disulfide	2.48	76	292889	42.811 ug/L	100
15) Methyl Acetate	2.62	43	135505	48.806 ug/L	99
16) Methylene chloride	2.71	84	124936	48.661 ug/L	98
17) trans-1,2-Dichloroethene	2.99	96	112043	47.559 ug/L	96
18) Methyl tert-butyl Ether	3.00	73	410612	53.604 ug/L	97
19) 1,1-Dichloroethane	3.45	63	226112	52.140 ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	135548	49.355 ug/L	95
22) 2-Butanone	4.26	43	228231	98.864 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	69973	50.792	ug/L	99
25) Chloroform	4.68	83	245855	54.962	ug/L	97
27) 1,2-Dichloroethane	5.41	62	201168	58.348	ug/L	96
29) Cyclohexane	5.00	56	206249	51.241	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	219404	55.780	ug/L	98
31) Carbon tetrachloride	5.14	117	195868	54.405	ug/L	99
33) Benzene	5.39	78	489248	51.275	ug/L	100
34) Trichloroethene	6.19	95	131960	50.041	ug/L	98
35) Methylcyclohexane	6.42	83	217129	51.219	ug/L	97
37) 1,2-Dichloropropane	6.44	63	135622	51.134	ug/L	100
38) Bromodichloromethane	6.76	83	184827	52.868	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	212686	51.157	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	389804	98.981	ug/L	99
42) Toluene	7.64	91	545593	51.456	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	195826	51.504	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	129328	51.821	ug/L	98
46) Tetrachloroethene	8.23	164	111427	50.196	ug/L	99
48) 2-Hexanone	8.36	43	324666	101.457	ug/L	99
49) Dibromochloromethane	8.48	129	155558	50.872	ug/L	96
50) 1,2-Dibromoethane	8.59	107	137991	50.382	ug/L	100
51) Chlorobenzene	9.12	112	362567	51.026	ug/L	97
52) Ethylbenzene	9.25	91	623699	51.306	ug/L	100
53) m,p-Xylene	9.38	106	241504	51.626	ug/L	99
54) o-xylene	9.78	106	240310	52.071	ug/L	100
55) Styrene	9.80	104	404581	51.556	ug/L	99
56) Isopropylbenzene	10.17	105	646246	53.073	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	218316	50.770	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	177116	52.531	ug/L	100
61) Bromoform	9.96	173	119128	47.955	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	298481	51.866	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	297590	51.267	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	306221	53.170	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	51845	51.438	ug/L	91
67) 1,3,5-Trichlorobenzene	12.89	180	229861	49.956	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	200788	52.469	ug/L	99
69) Naphthalene	13.74	128	592879	56.093	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	209258	53.926	ug/L	99

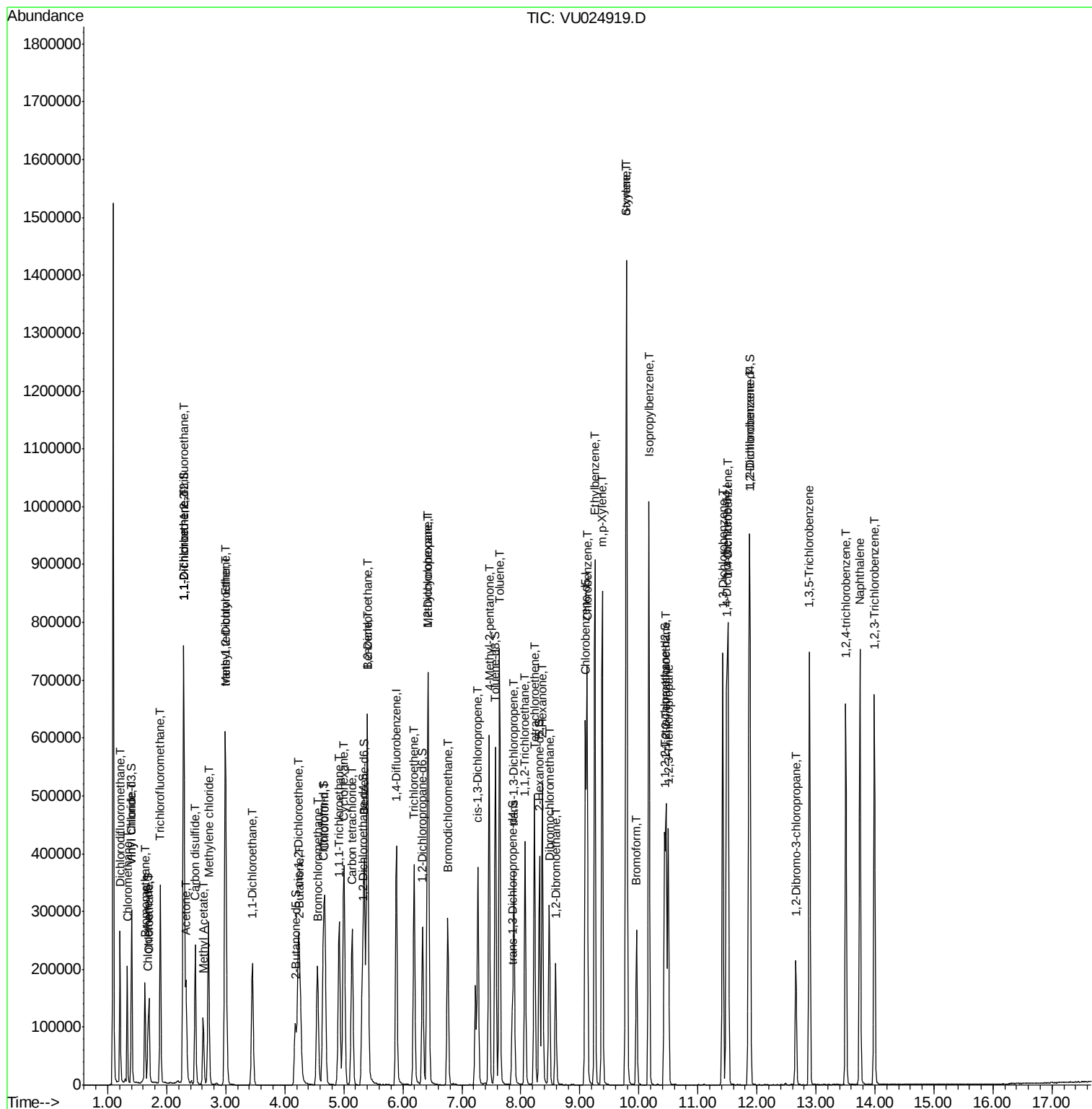
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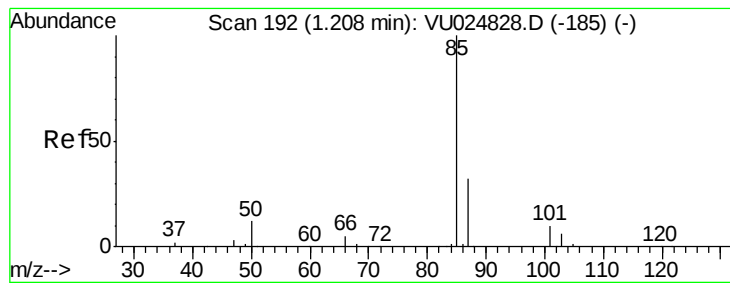
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#2

Dichlorodifluoromethane

Concen: 52.391 ug/L

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU024919.D

Acq: 26 Jun 2018 11:29

Instrument :

MSVOA_U

ClientSampleId :

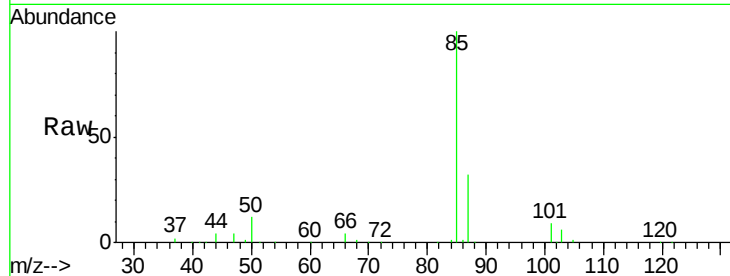
VSTD05054

Tgt Ion: 85 Resp: 148858

Ion Ratio Lower Upper

85 100

87 32.1 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VU024919.D (-99) (-)

Ion 87.00 (86.70 to 87.70): VU024919.D (-99) (-)

1.21

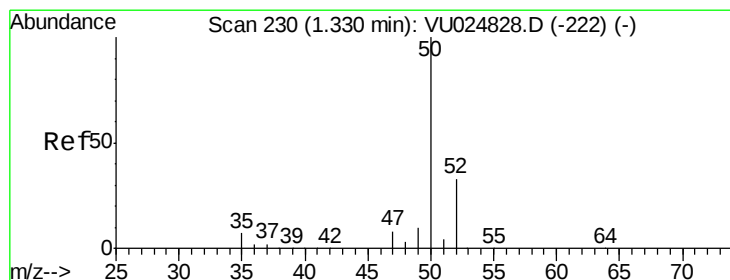
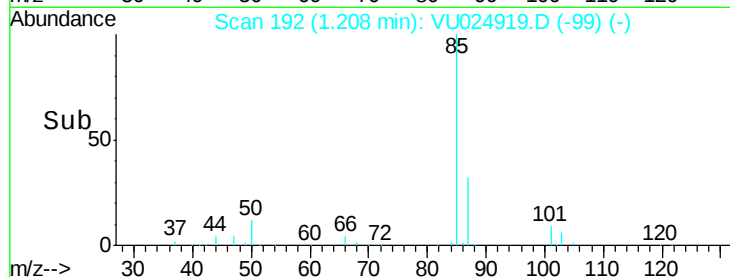
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 46.553 ug/L

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024919.D

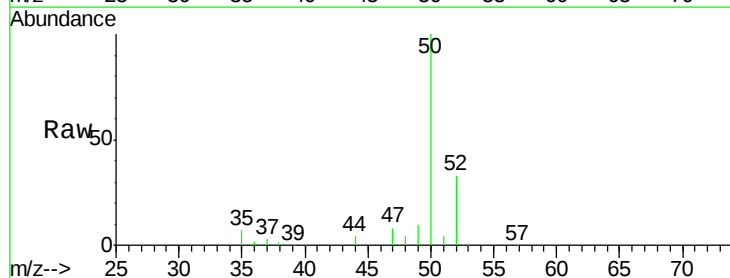
Acq: 26 Jun 2018 11:29

Tgt Ion: 50 Resp: 118939

Ion Ratio Lower Upper

50 100

52 33.2 23.4 43.4



Abundance Ion 50.00 (49.70 to 50.70): VU024919.D (-137) (-)

Ion 52.00 (51.70 to 52.70): VU024919.D (-137) (-)

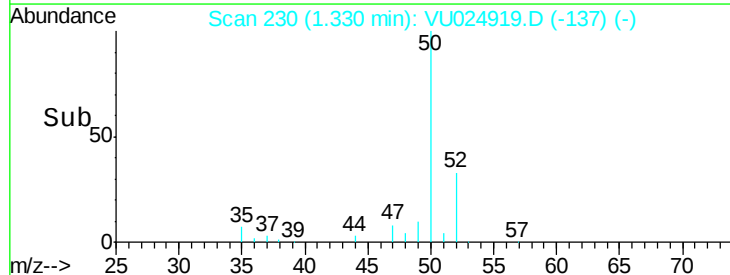
1.33

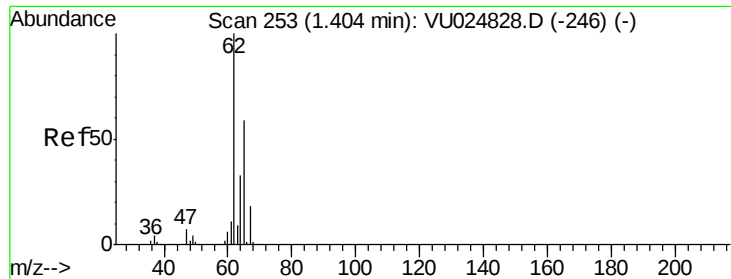
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 46.505 ug/L

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU024919.D

Acq: 26 Jun 2018 11:29

Instrument :

MSVOA_U

ClientSampleId :

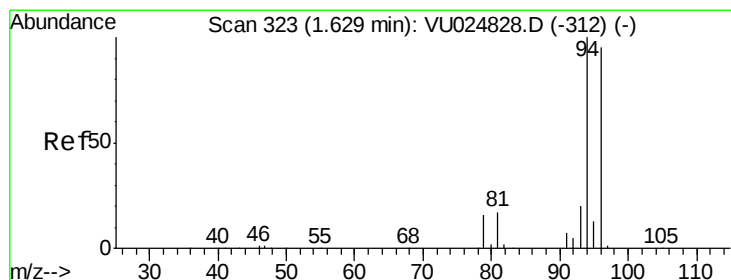
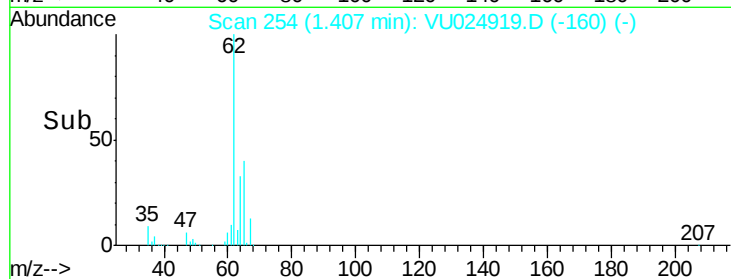
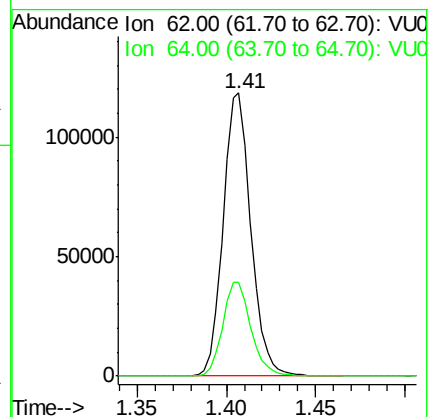
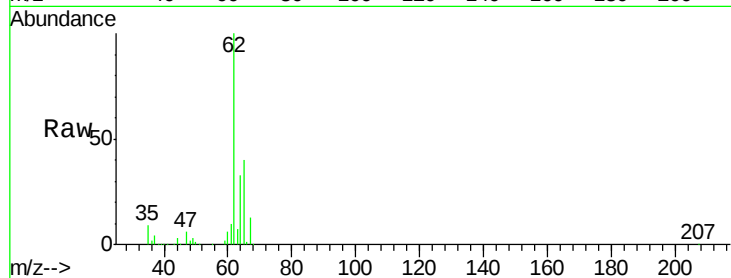
VSTD05054

Tgt Ion: 62 Resp: 127281

Ion Ratio Lower Upper

62 100

64 33.0 23.7 44.1



#6

Bromomethane

Concen: 53.404 ug/L

RT: 1.63 min Scan# 323

Delta R.T. 0.00 min

Lab File: VU024919.D

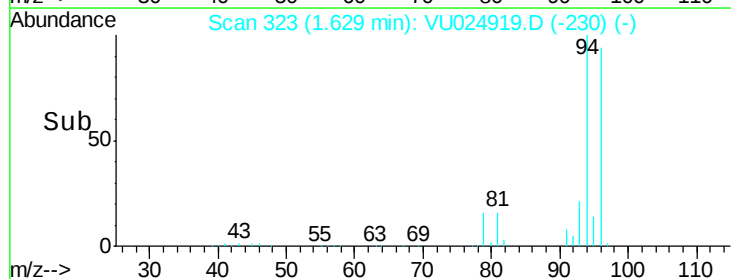
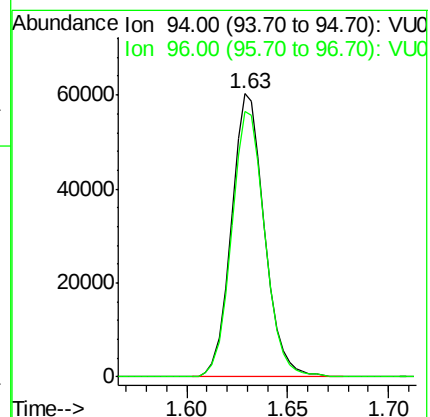
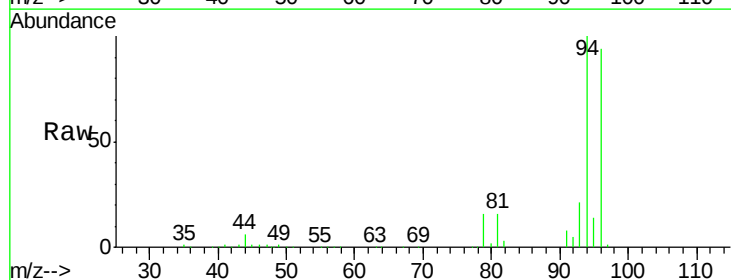
Acq: 26 Jun 2018 11:29

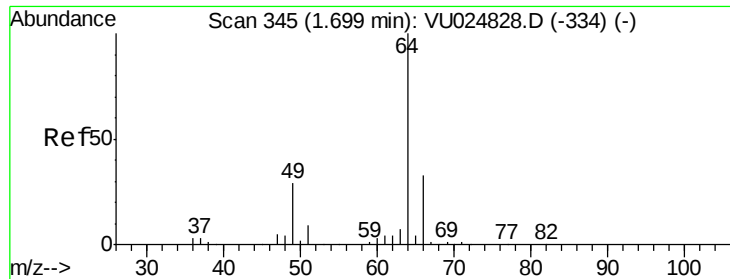
Tgt Ion: 94 Resp: 69001

Ion Ratio Lower Upper

94 100

96 93.9 64.0 119.0





#8

Chloroethane

Concen: 50.369 ug/L

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU024919.D

Acq: 26 Jun 2018 11:29

Instrument :

MSVOA_U

ClientSampleId :

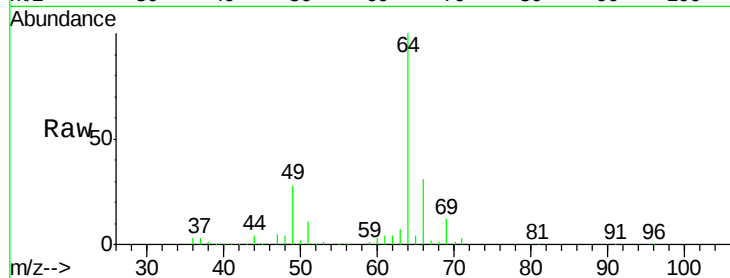
VSTD05054

Tgt Ion: 64 Resp: 80948

Ion Ratio Lower Upper

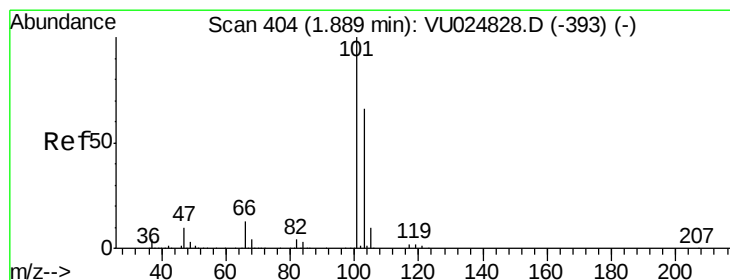
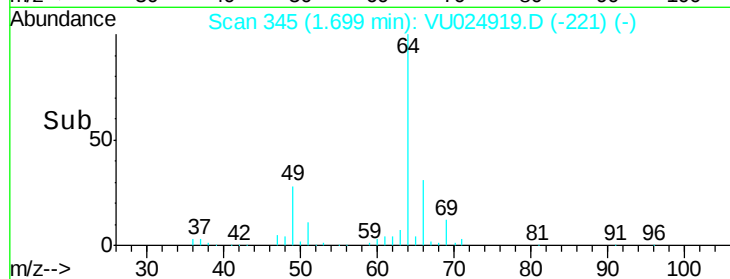
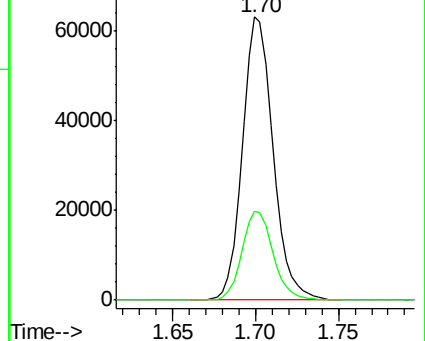
64 100

66 31.3 22.7 42.3



Abundance Ion 64.00 (63.70 to 64.70): VU024828.D (-334) (-)

Ion 66.00 (65.70 to 66.70): VU024828.D (-334) (-)



#9

Trichlorofluoromethane

Concen: 51.150 ug/L

RT: 1.89 min Scan# 404

Delta R.T. -0.00 min

Lab File: VU024919.D

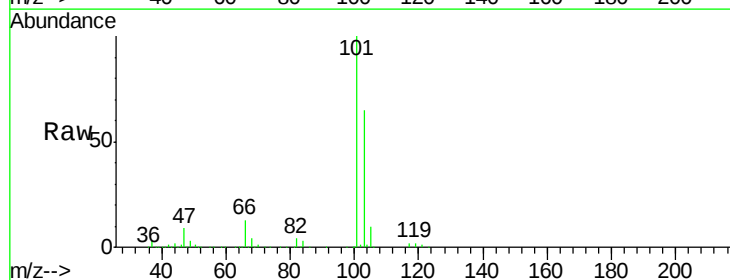
Acq: 26 Jun 2018 11:29

Tgt Ion: 101 Resp: 205522

Ion Ratio Lower Upper

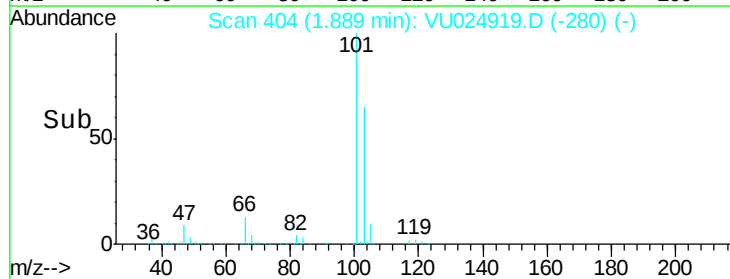
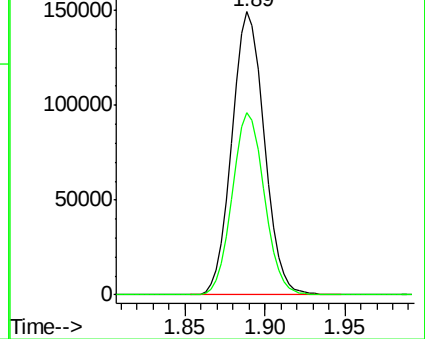
101 100

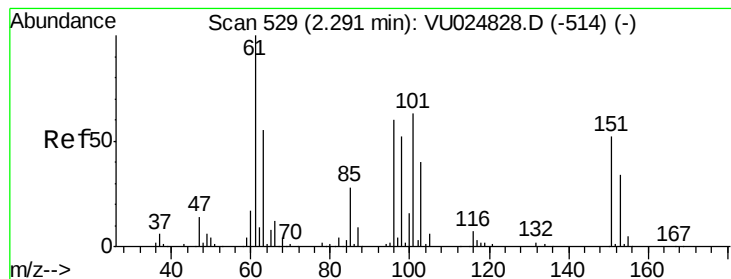
103 64.0 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VU024828.D (-393) (-)

Ion 103.00 (102.70 to 103.70): VU024828.D (-393) (-)





#10

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

Concen: 53.156 ug/L

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU024919.D

Acq: 26 Jun 2018 11:29

Instrument :

MSVOA_U

ClientSampled :

VSTD05054

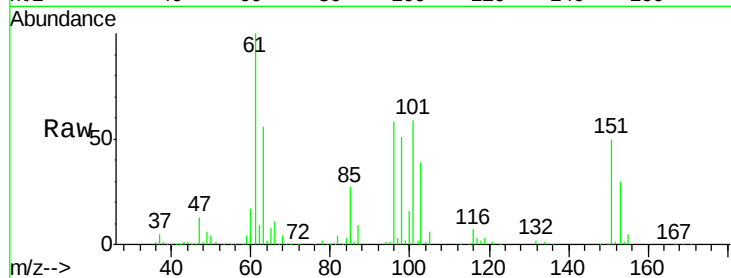
Tgt Ion: 101 Resp: 121147

Ion Ratio Lower Upper

101 100

85 44.7 35.2 52.8

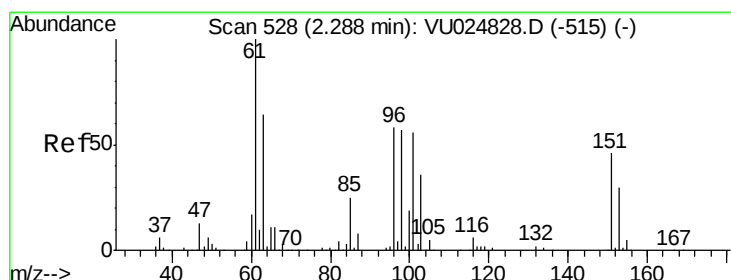
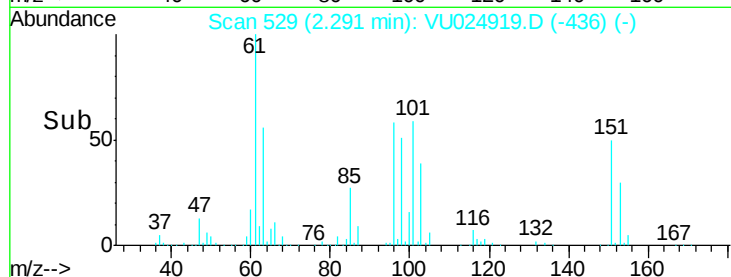
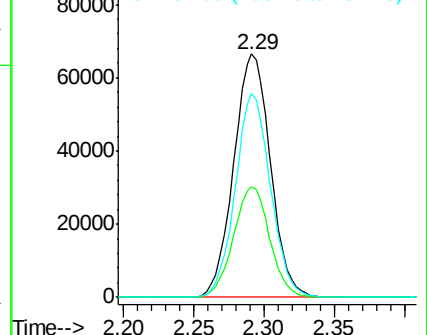
151 80.5 64.6 97.0



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: 50.629 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU024919.D

Acq: 26 Jun 2018 11:29

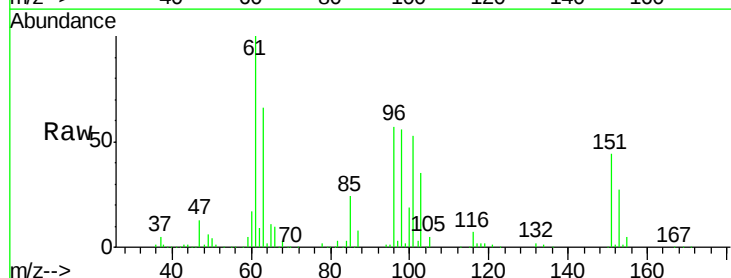
Tgt Ion: 96 Resp: 105705

Ion Ratio Lower Upper

96 100

61 176.0 117.9 218.9

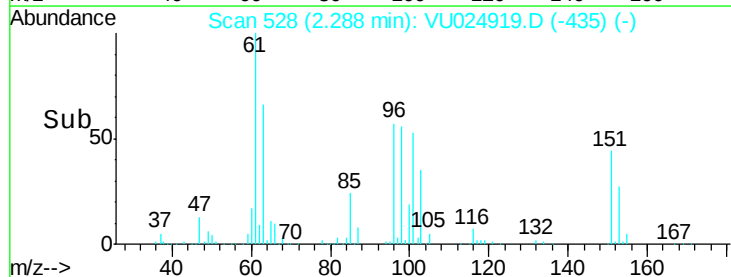
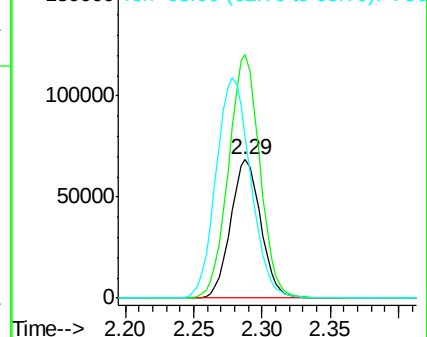
63 116.9 81.4 151.2

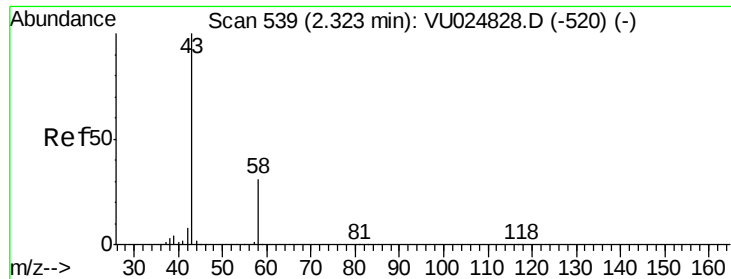


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 108.408 ug/L

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU024919.D

Acq: 26 Jun 2018 11:29

Instrument :

MSVOA_U

ClientSampleId :

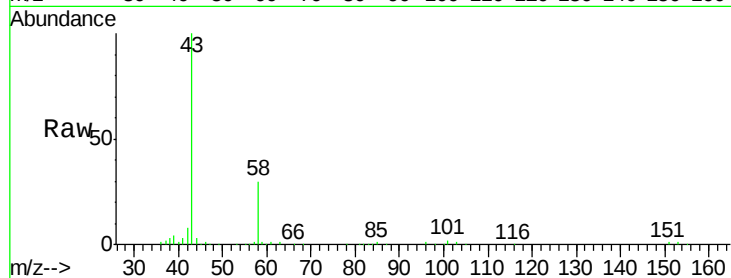
VSTD05054

Tgt Ion: 43 Resp: 196394

Ion Ratio Lower Upper

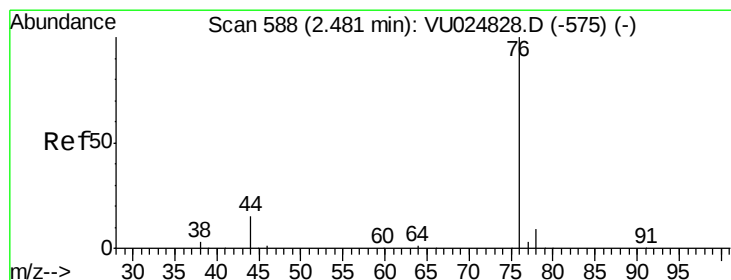
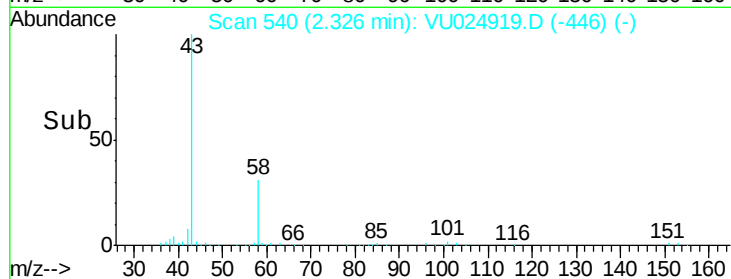
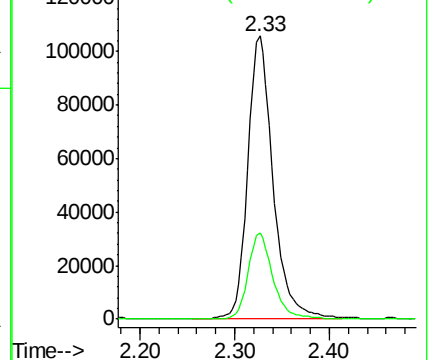
43 100

58 29.9 0.0 64.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 42.811 ug/L

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU024919.D

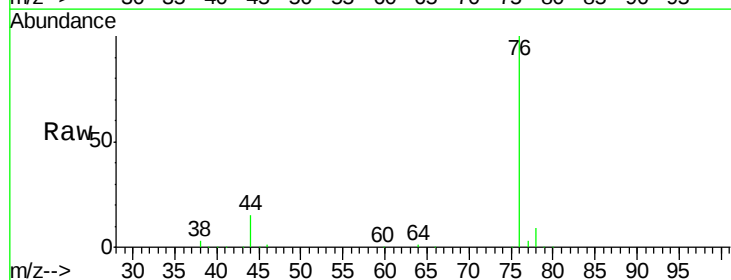
Acq: 26 Jun 2018 11:29

Tgt Ion: 76 Resp: 292889

Ion Ratio Lower Upper

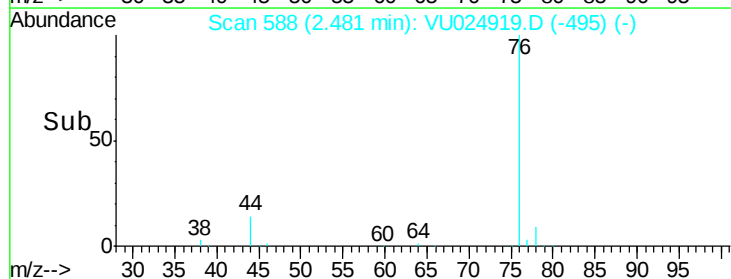
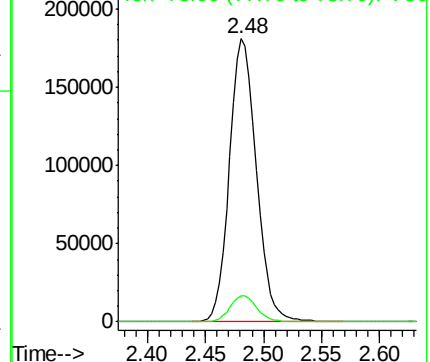
76 100

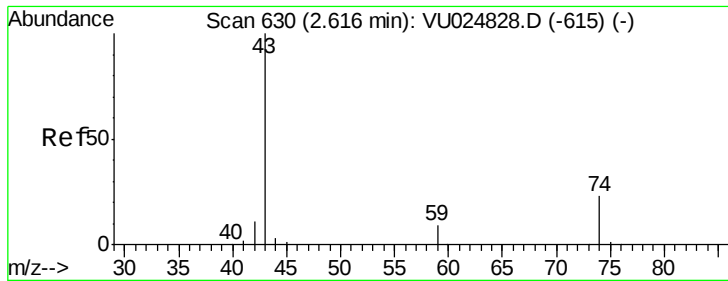
78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

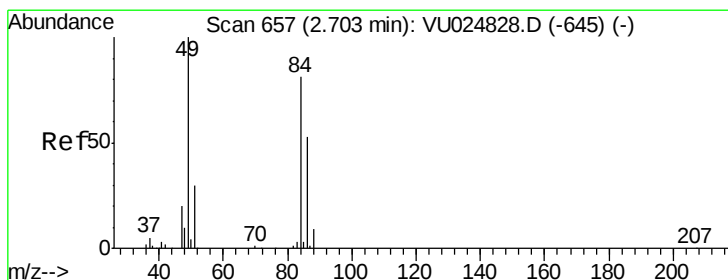
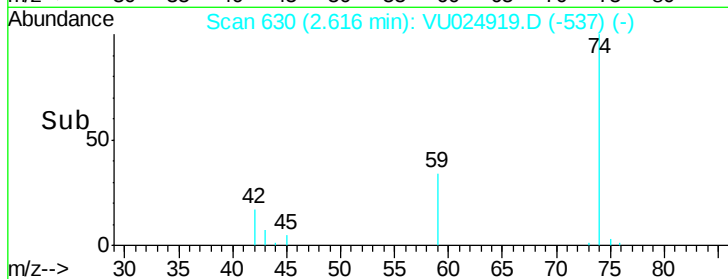
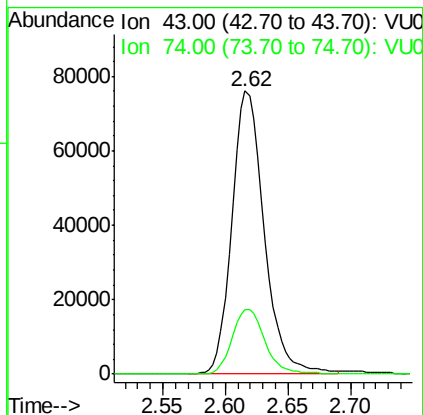
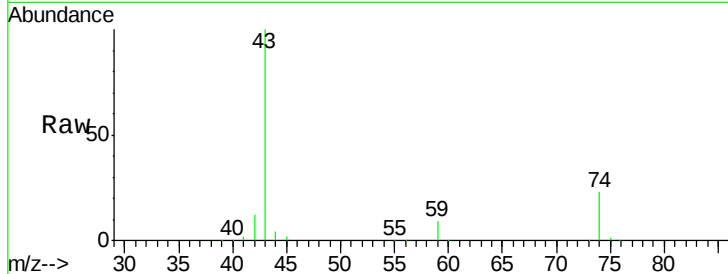




#15
Methyl Acetate
Concen: 48.806 ug/L
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU024919.D
Acq: 26 Jun 2018 11:29

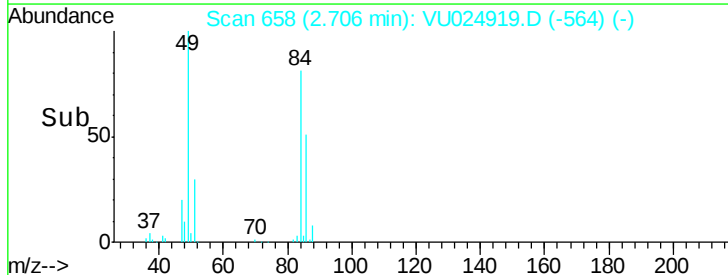
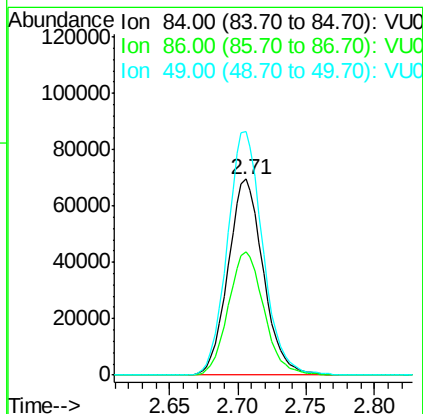
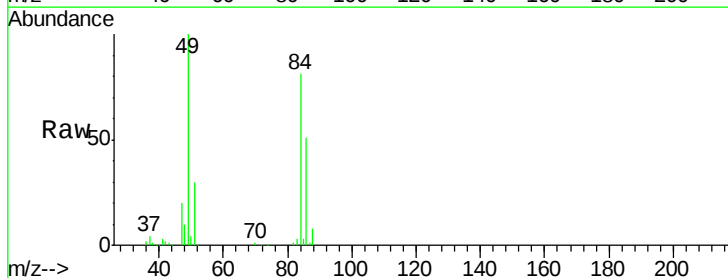
Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

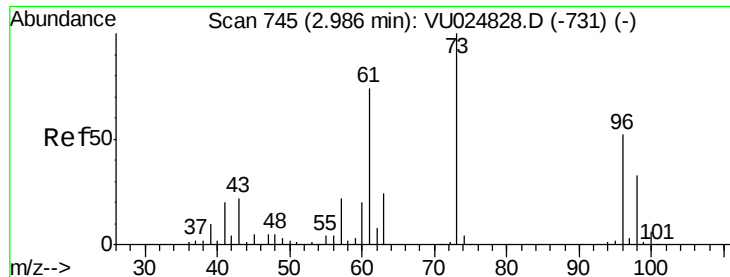
Tgt Ion: 43 Resp: 135505
Ion Ratio Lower Upper
43 100
74 23.4 18.4 27.6



#16
Methylene chloride
Concen: 48.661 ug/L
RT: 2.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: VU024919.D
Acq: 26 Jun 2018 11:29

Tgt Ion: 84 Resp: 124936
Ion Ratio Lower Upper
84 100
86 63.0 46.1 85.7
49 124.2 85.5 158.9

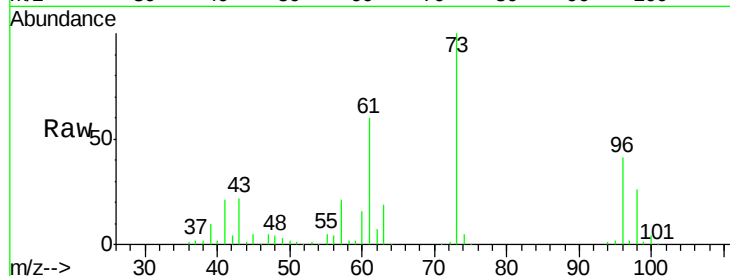




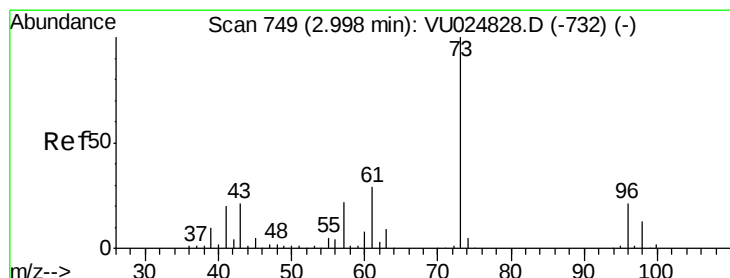
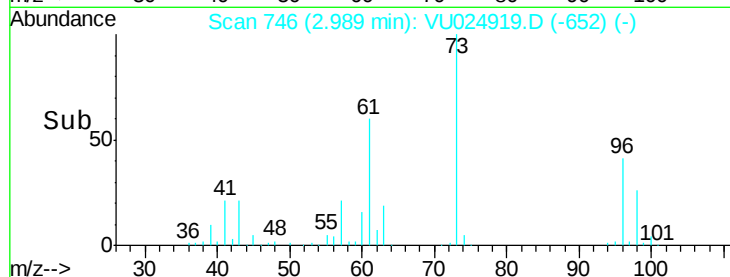
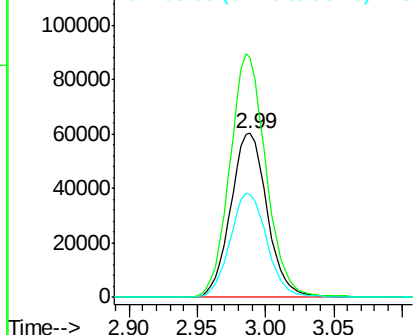
#17
trans-1,2-Dichloroethene
Concen: 47.559 ug/L
RT: 2.99 min Scan# 746
Delta R.T. 0.00 min
Lab File: VU024919.D
Acq: 26 Jun 2018 11:29

Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

Tgt Ion: 96 Resp: 112043
Ion Ratio Lower Upper
96 100
61 146.1 97.4 180.8
98 62.9 44.9 83.5

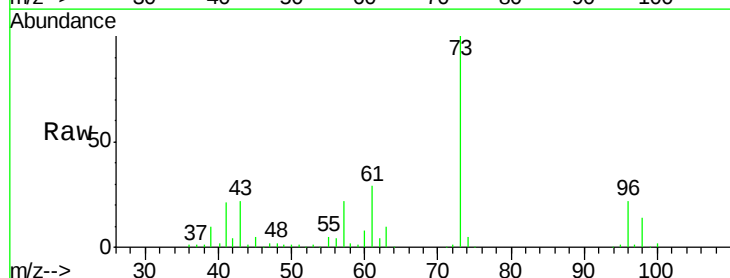


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

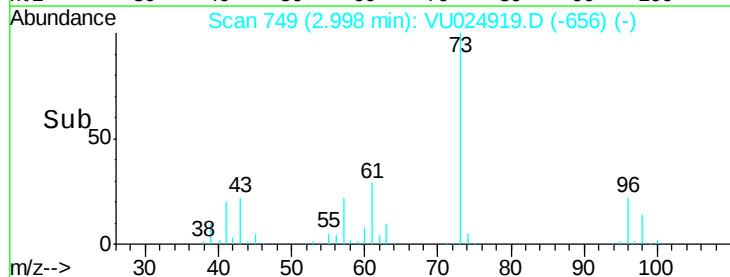
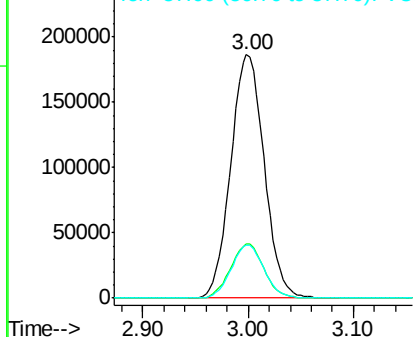


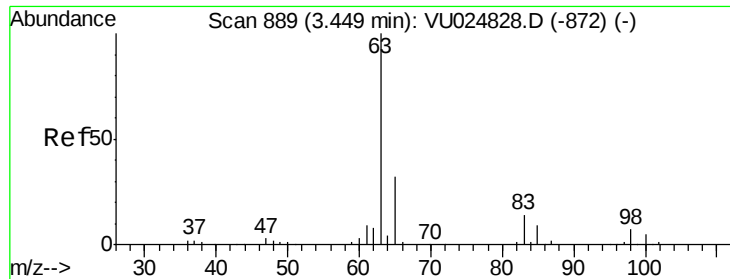
#18
Methyl tert-butyl Ether
Concen: 53.604 ug/L
RT: 3.00 min Scan# 749
Delta R.T. 0.00 min
Lab File: VU024919.D
Acq: 26 Jun 2018 11:29

Tgt Ion: 73 Resp: 410612
Ion Ratio Lower Upper
73 100
43 22.3 16.4 24.6
57 21.5 17.9 26.9



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: 52.140 ug/L

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU024919.D

Acq: 26 Jun 2018 11:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

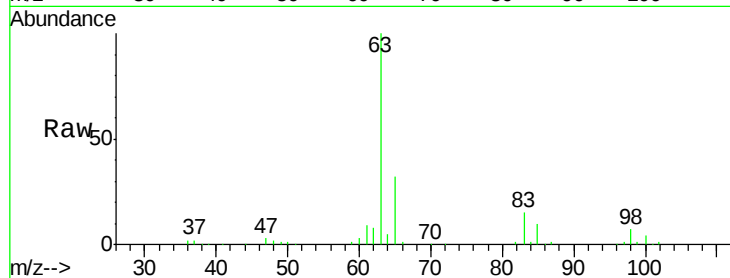
Tgt Ion: 63 Resp: 226112

Ion Ratio Lower Upper

63 100

65 31.8 22.2 41.2

83 14.7 10.1 18.9

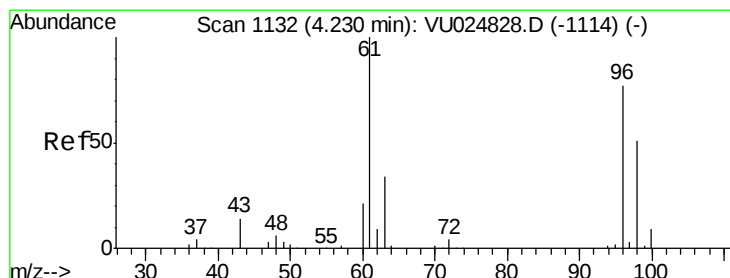
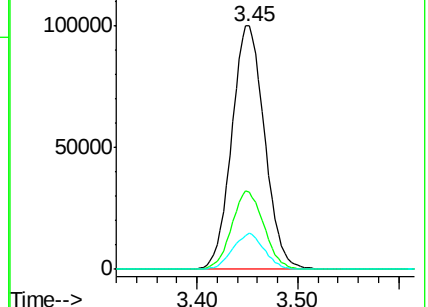
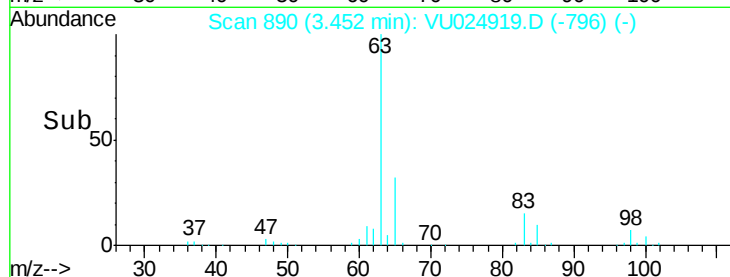


Abundance Ion 63.00 (62.70 to 63.70): VU024828.D (-872) (-)

Ion 65.00 (64.70 to 65.70): VU024828.D (-872) (-)

Ion 83.00 (82.70 to 83.70): VU024828.D (-872) (-)

Time-->



#20

cis-1,2-Dichloroethene

Concen: 49.355 ug/L

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU024919.D

Acq: 26 Jun 2018 11:29

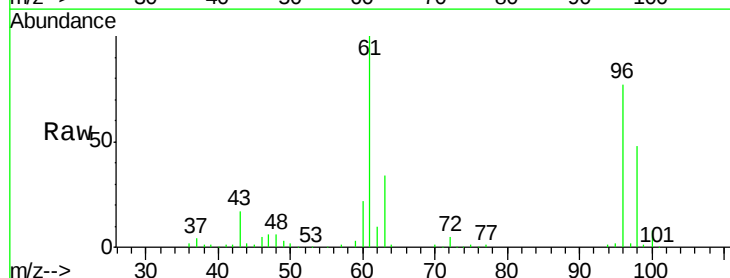
Tgt Ion: 96 Resp: 135548

Ion Ratio Lower Upper

96 100

61 129.7 87.1 161.7

68 0.0 0.0 0.0

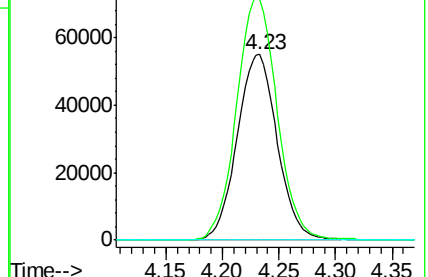
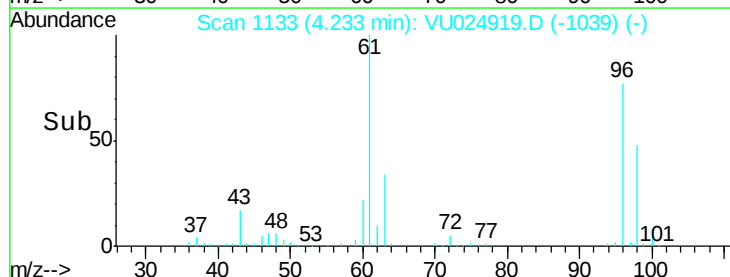


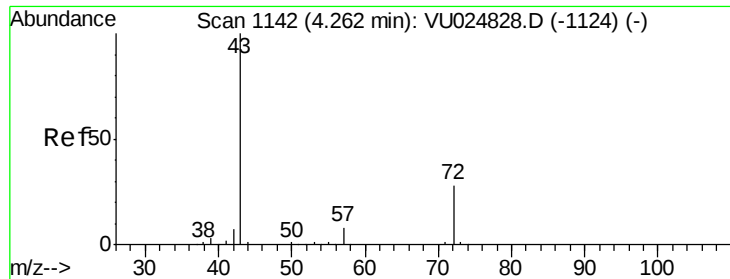
Abundance Ion 96.00 (95.70 to 96.70): VU024828.D (-1114) (-)

Ion 61.00 (60.70 to 61.70): VU024828.D (-1114) (-)

Ion 68.00 (67.70 to 68.70): VU024828.D (-1114) (-)

Time-->





#22

2-Butanone

Concen: 98.864 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU024919.D

Acq: 26 Jun 2018 11:29

Instrument :

MSVOA_U

ClientSampleId :

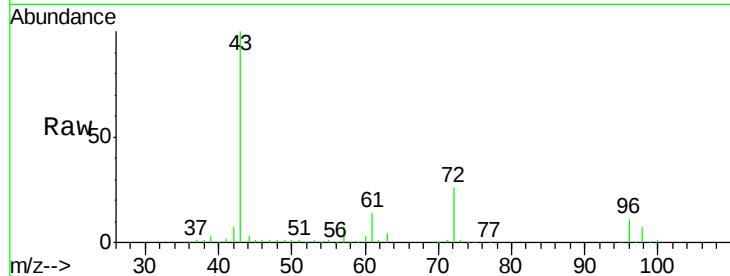
VSTD05054

Tgt Ion: 43 Resp: 228231

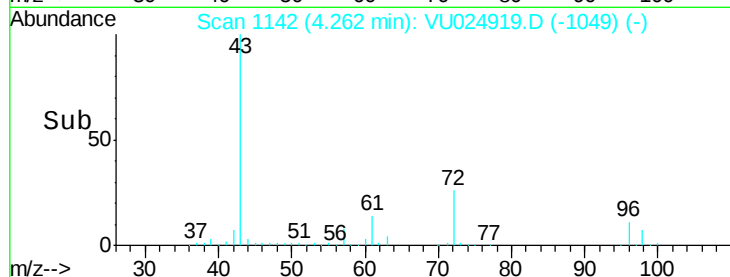
Ion Ratio Lower Upper

43 100

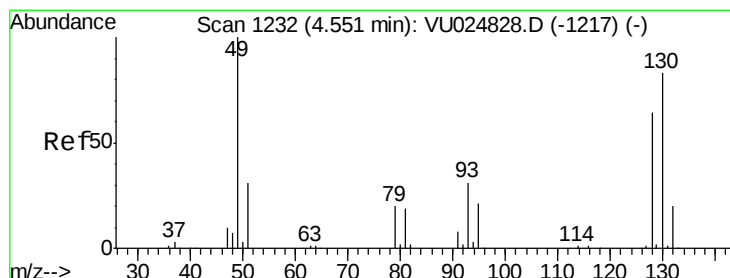
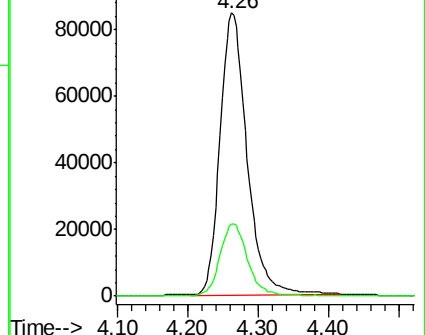
72 26.4 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VU024919.D (-1049) (-)



Ion 72.00 (71.70 to 72.70): VU024919.D (-1049) (-)



#23

Bromochloromethane

Concen: 50.792 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU024919.D

Acq: 26 Jun 2018 11:29

Tgt Ion: 128 Resp: 69973

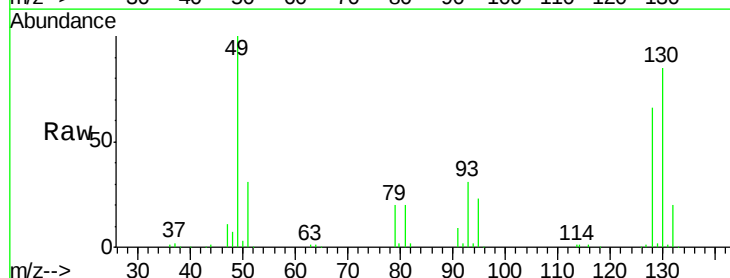
Ion Ratio Lower Upper

128 100

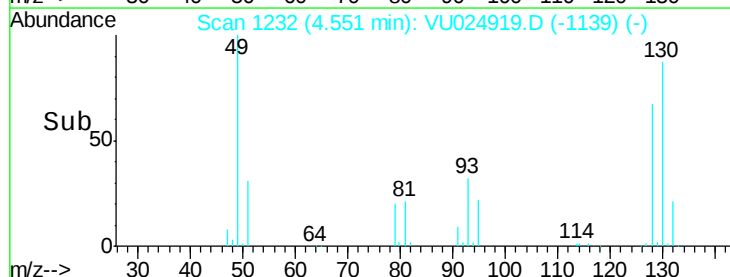
49 152.3 104.7 194.5

130 128.9 90.2 167.6

51 47.7 38.4 57.6



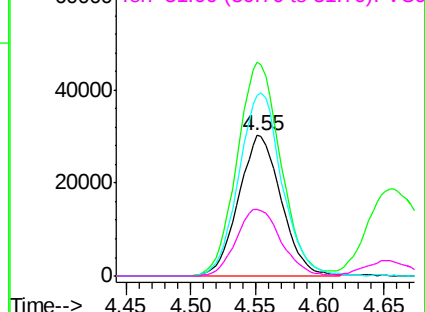
Abundance Ion 128.00 (127.70 to 128.70): VU024919.D (-1139) (-)

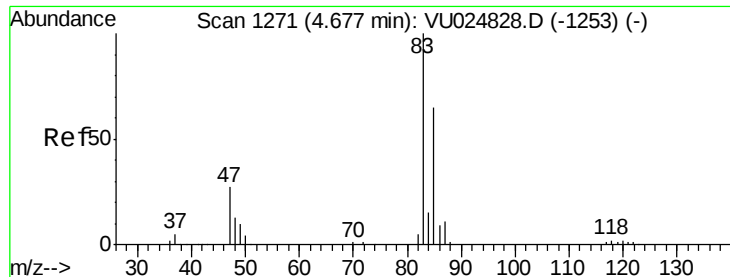


Ion 49.00 (48.70 to 49.70): VU024919.D (-1139) (-)

Ion 130.00 (129.70 to 130.70): VU024919.D (-1139) (-)

Ion 51.00 (50.70 to 51.70): VU024919.D (-1139) (-)

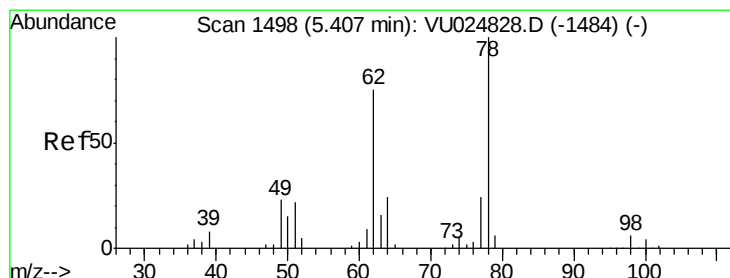
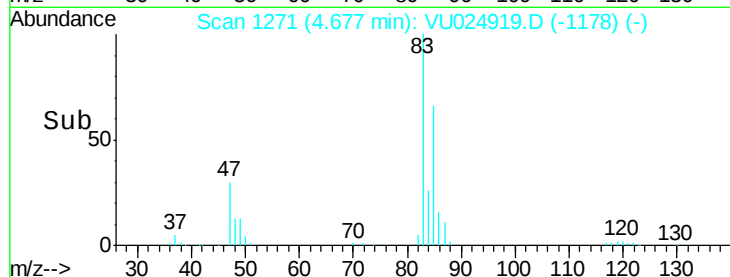
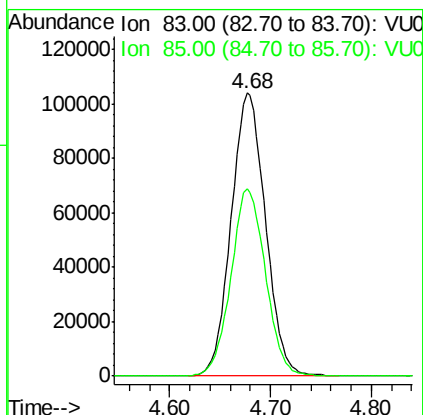
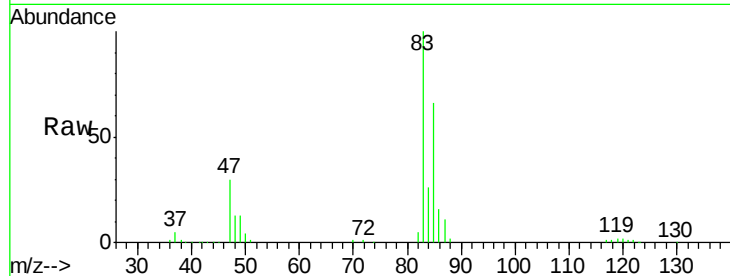




#25
Chloroform
Concen: 54.962 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU024919.D
Acq: 26 Jun 2018 11:29

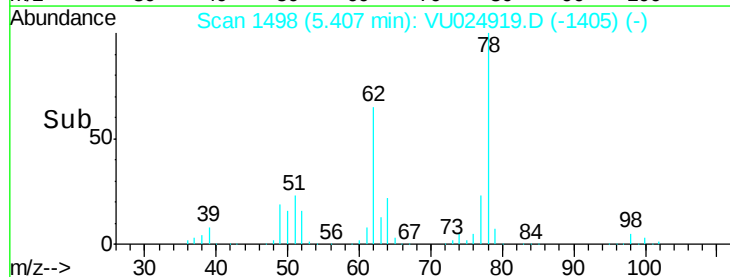
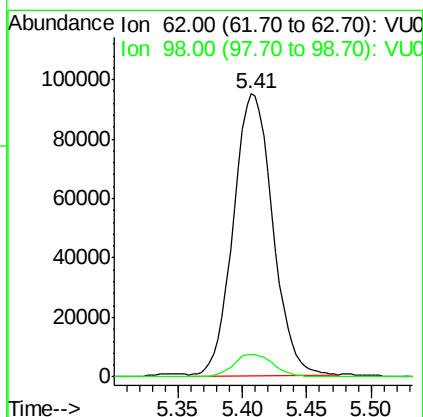
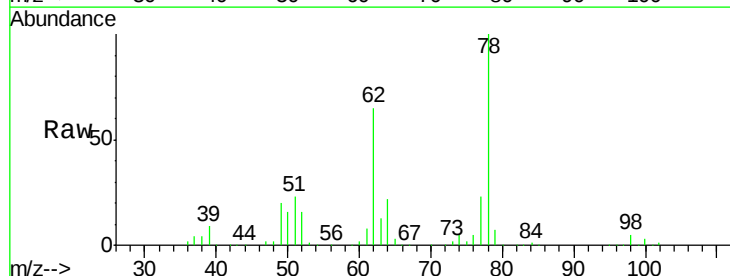
Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

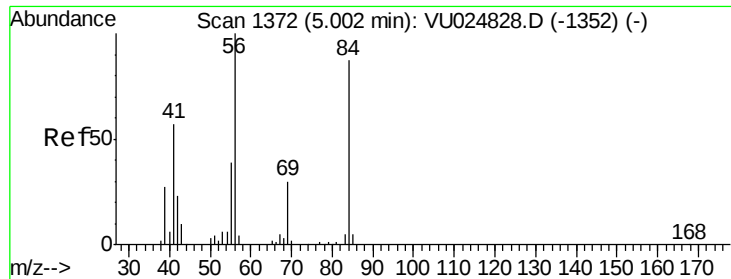
Tgt Ion: 83 Resp: 245855
Ion Ratio Lower Upper
83 100
85 66.2 44.4 82.5



#27
1,2-Dichloroethane
Concen: 58.348 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VU024919.D
Acq: 26 Jun 2018 11:29

Tgt Ion: 62 Resp: 201168
Ion Ratio Lower Upper
62 100
98 7.9 7.4 11.2

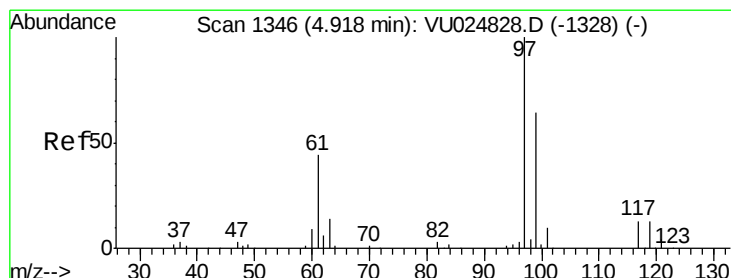
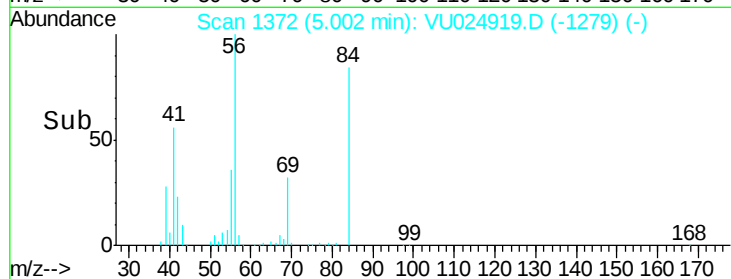
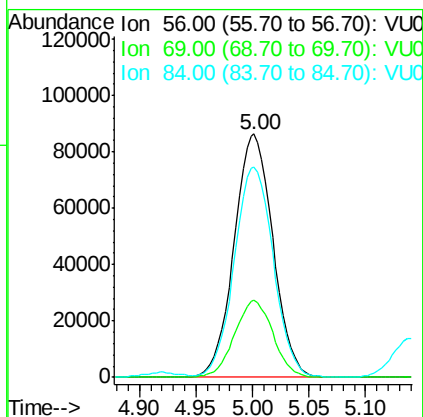
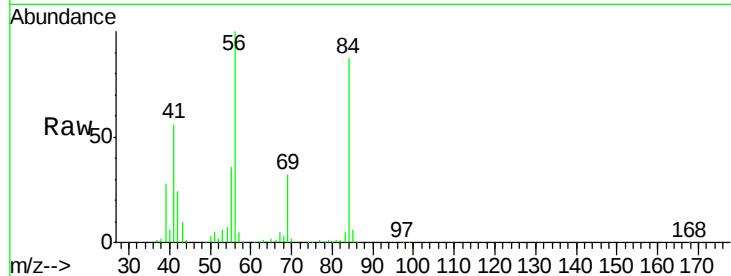




#29
Cyclohexane
Concen: 51.241 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU024919.D
Acq: 26 Jun 2018 11:29

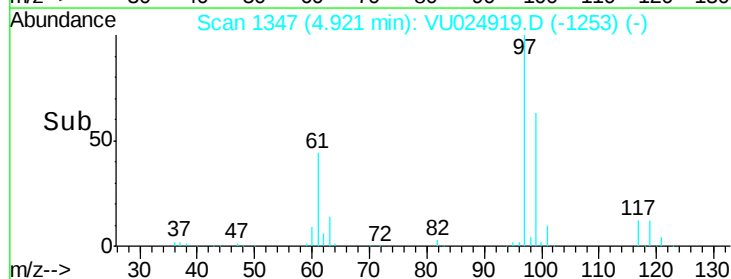
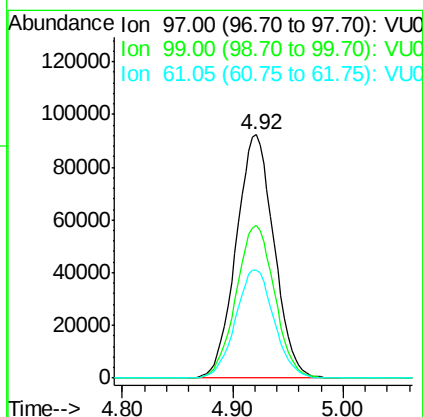
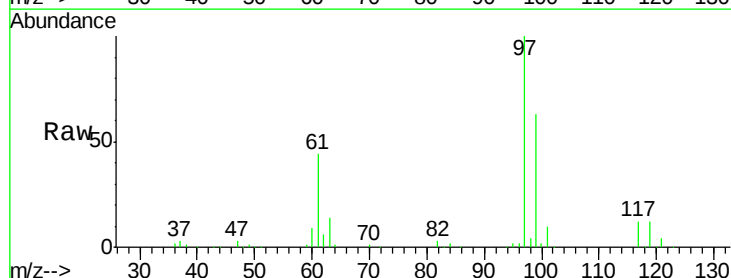
Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

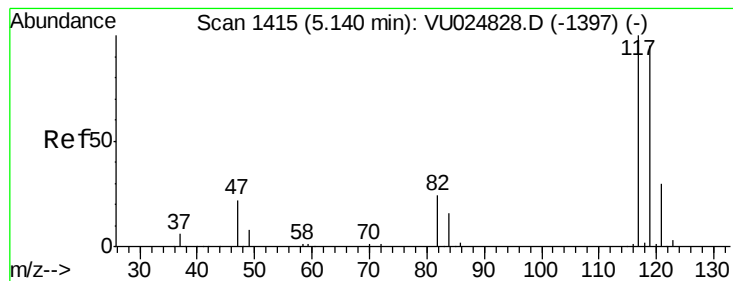
Tgt Ion: 56 Resp: 206249
Ion Ratio Lower Upper
56 100
69 31.4 24.7 37.1
84 86.6 68.8 103.2



#30
1,1,1-Trichloroethane
Concen: 55.780 ug/L
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU024919.D
Acq: 26 Jun 2018 11:29

Tgt Ion: 97 Resp: 219404
Ion Ratio Lower Upper
97 100
99 63.7 51.4 77.0
61 45.1 33.8 50.8





#31

Carbon tetrachloride

Concen: 54.405 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU024919.D

Acq: 26 Jun 2018 11:29

Instrument :

MSVOA_U

ClientSampleId :

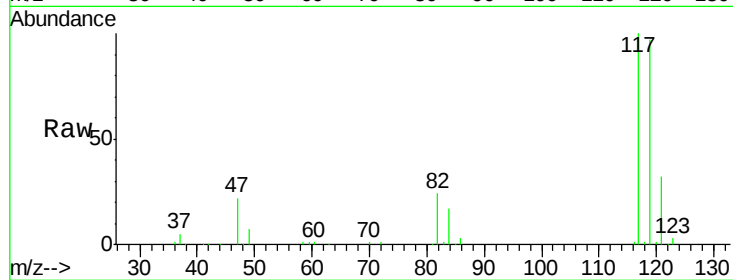
VSTD05054

Tgt Ion:117 Resp: 195868

Ion Ratio Lower Upper

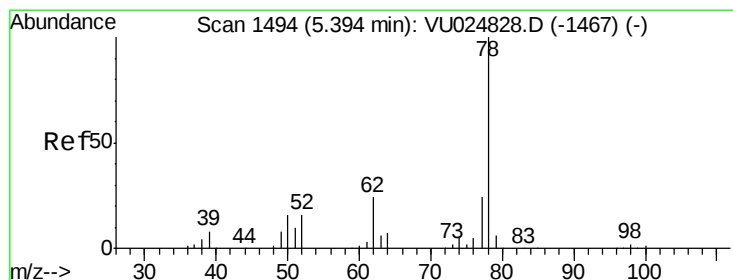
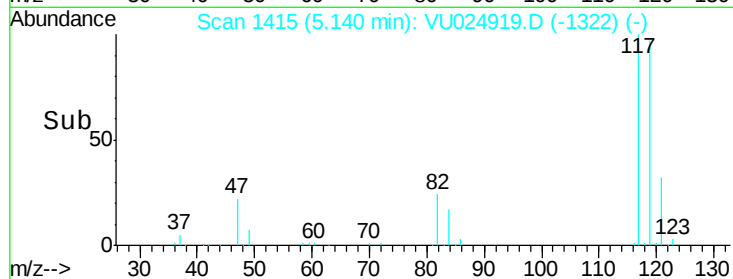
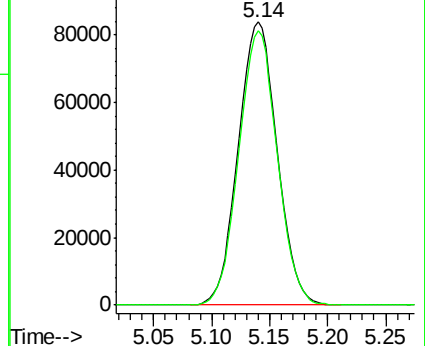
117 100

119 95.8 77.7 116.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 51.275 ug/L

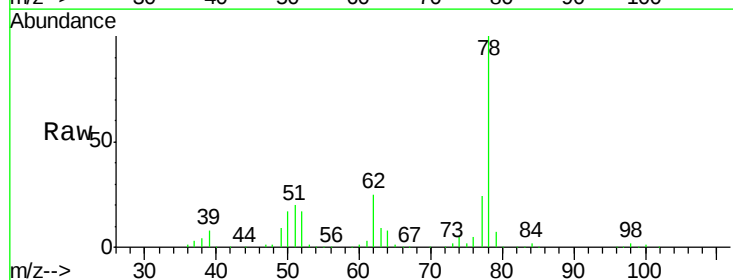
RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

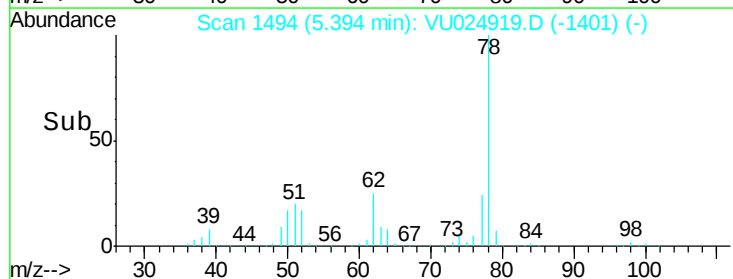
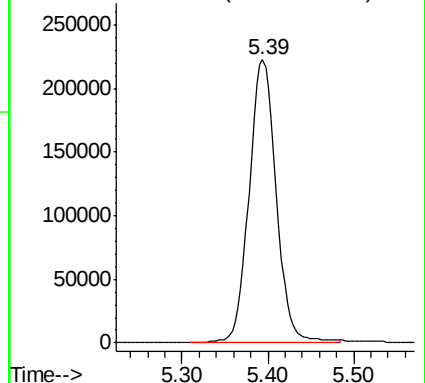
Lab File: VU024919.D

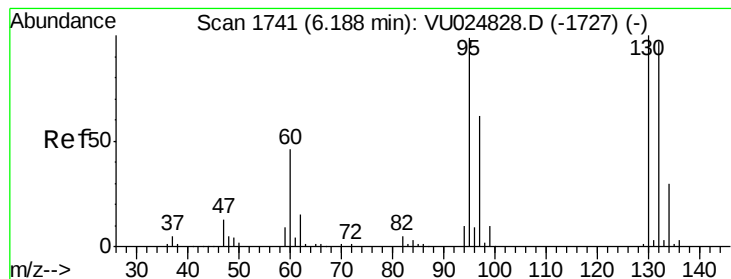
Acq: 26 Jun 2018 11:29

Tgt Ion: 78 Resp: 489248



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 50.041 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU024919.D

Acq: 26 Jun 2018 11:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

Tgt Ion: 95 Resp: 131960

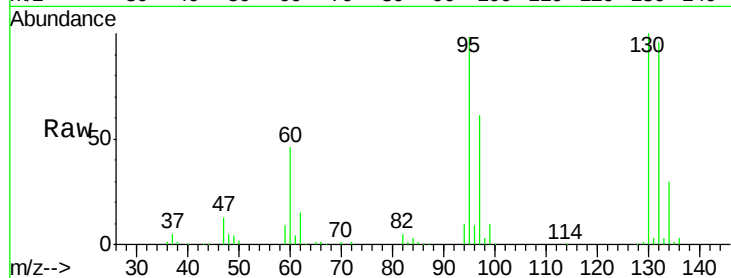
Ion Ratio Lower Upper

95 100

97 61.8 44.8 83.2

132 98.2 70.4 130.8

130 101.9 72.6 134.8

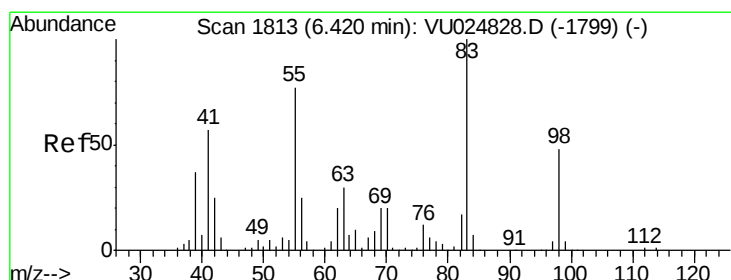
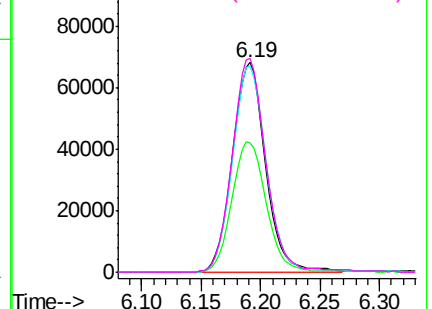
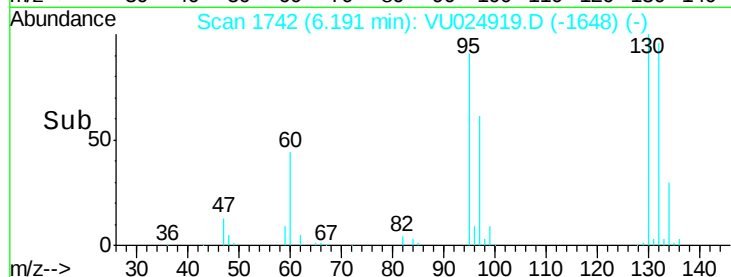


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 51.219 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VU024919.D

Acq: 26 Jun 2018 11:29

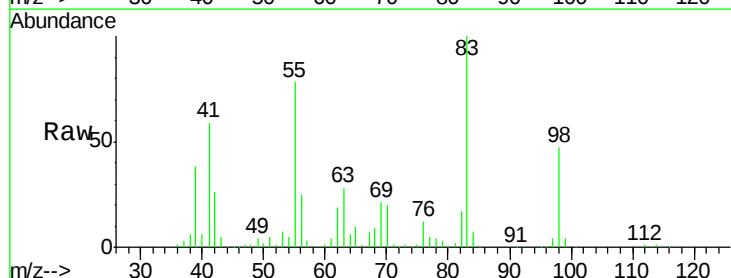
Tgt Ion: 83 Resp: 217129

Ion Ratio Lower Upper

83 100

55 78.1 59.4 89.0

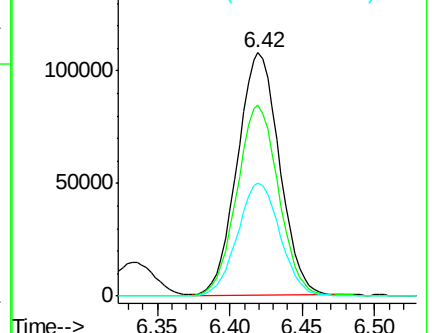
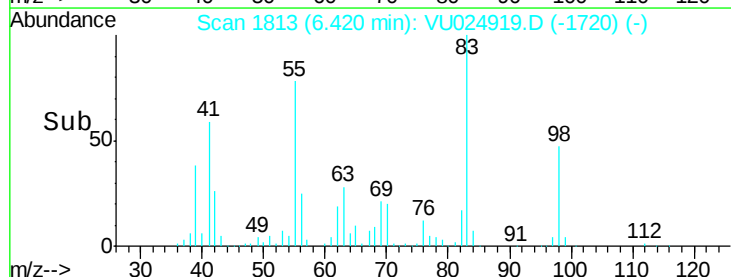
98 47.2 37.6 56.4

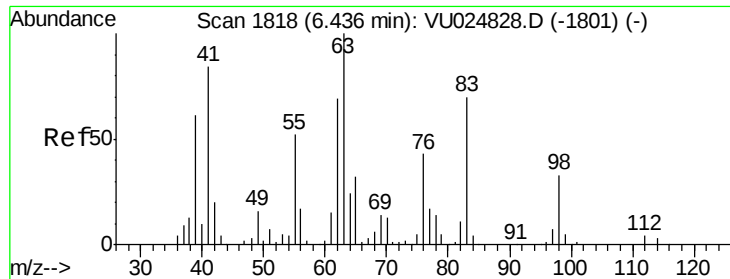


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

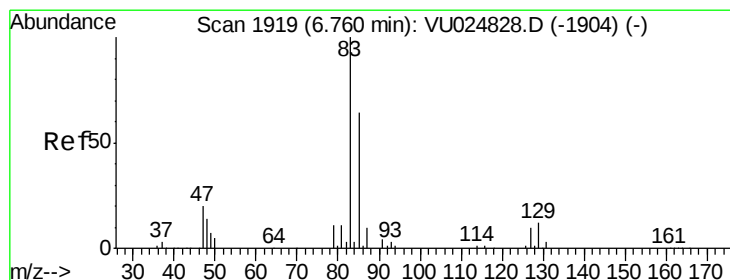
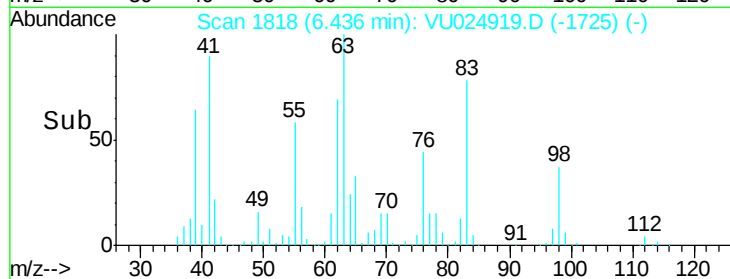
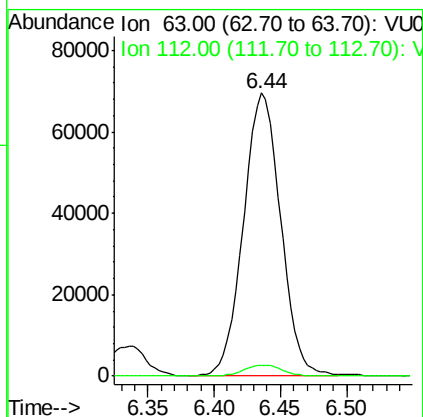
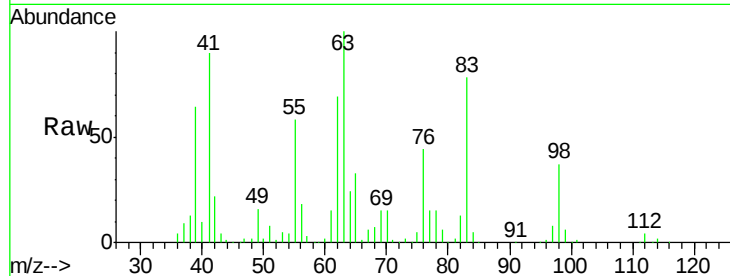




#37
 1,2-Dichloropropane
 Concen: 51.134 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU024919.D
 Acq: 26 Jun 2018 11:29

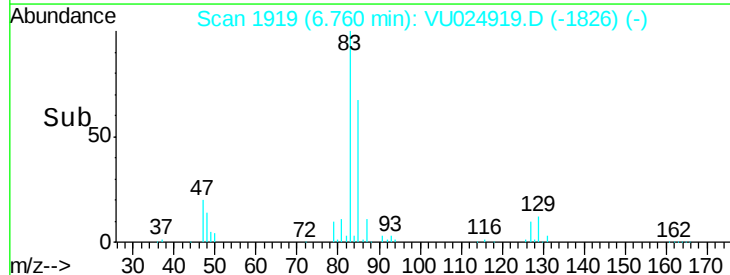
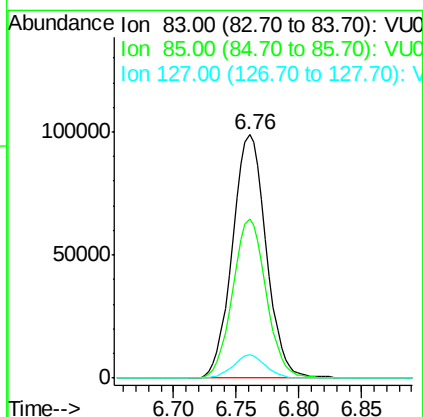
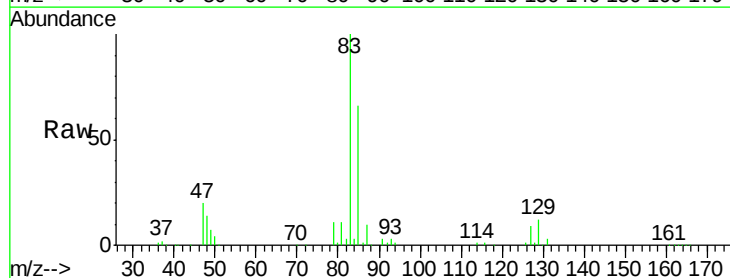
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

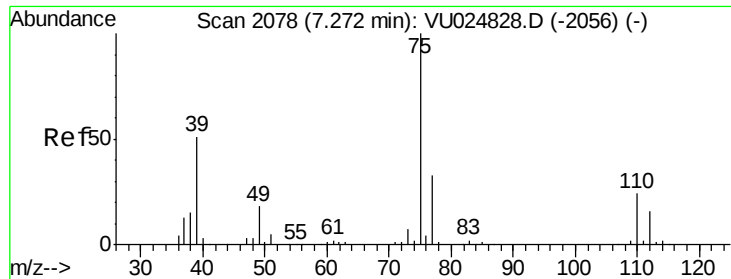
Tgt Ion: 63 Resp: 135622
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.1 4.7



#38
 Bromodichloromethane
 Concen: 52.868 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU024919.D
 Acq: 26 Jun 2018 11:29

Tgt Ion: 83 Resp: 184827
 Ion Ratio Lower Upper
 83 100
 85 65.6 44.9 83.3
 127 9.4 7.6 11.4

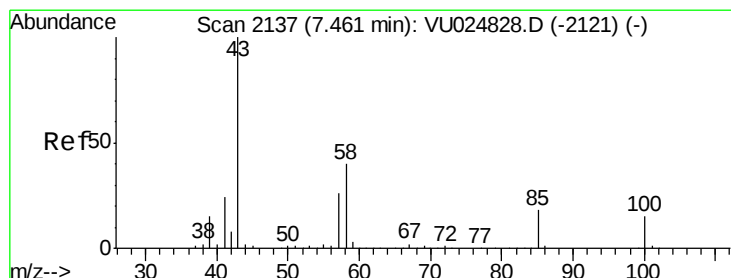
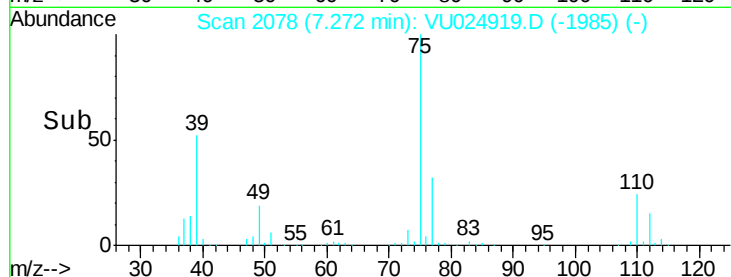
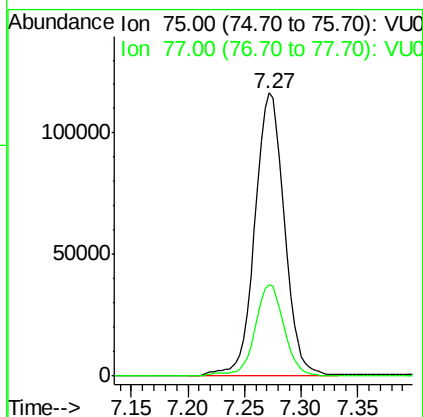
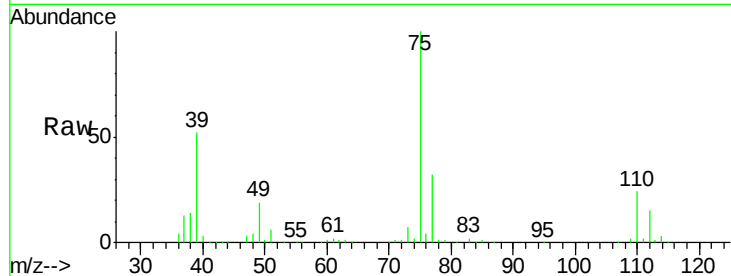




#39
 cis-1,3-Dichloropropene
 Concen: 51.157 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU024919.D
 Acq: 26 Jun 2018 11:29

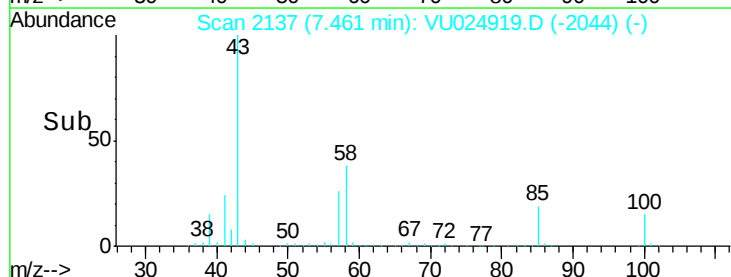
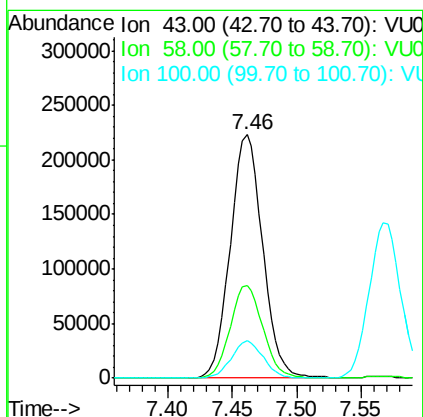
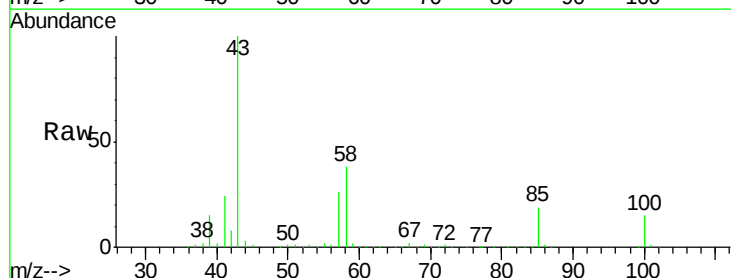
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

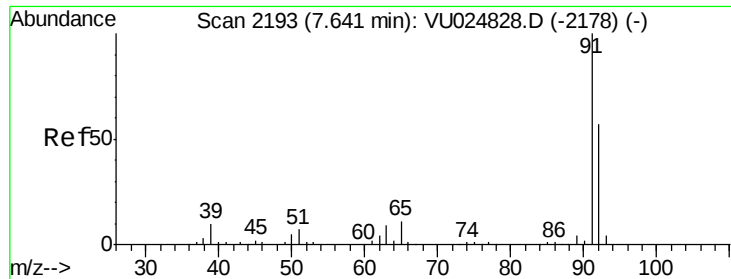
Tgt Ion: 75 Resp: 212686
 Ion Ratio Lower Upper
 75 100
 77 32.4 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 98.981 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU024919.D
 Acq: 26 Jun 2018 11:29

Tgt Ion: 43 Resp: 389804
 Ion Ratio Lower Upper
 43 100
 58 38.4 31.0 46.6
 100 15.1 12.0 18.0





#42

Toluene

Concen: 51.456 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU024919.D

Acq: 26 Jun 2018 11:29

Instrument :

MSVOA_U

ClientSampleId :

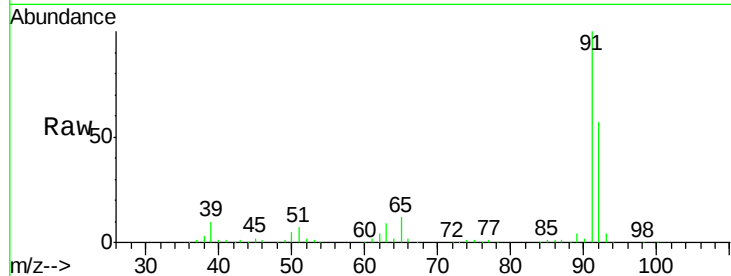
VSTD05054

Tgt Ion: 91 Resp: 545593

Ion Ratio Lower Upper

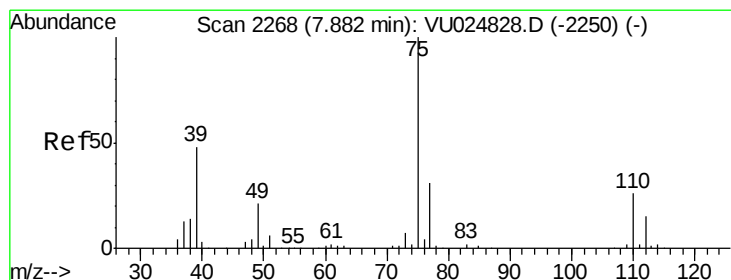
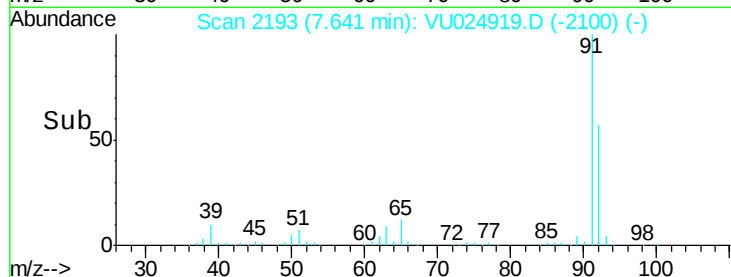
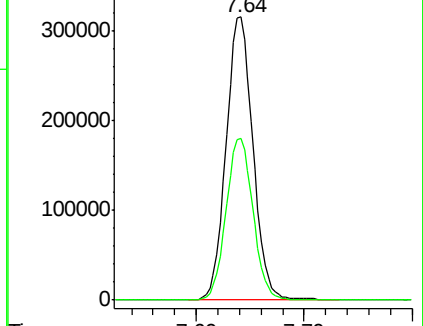
91 100

92 57.0 39.8 73.8



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: 51.504 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU024919.D

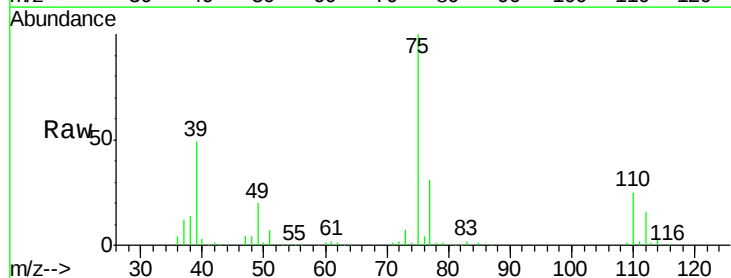
Acq: 26 Jun 2018 11:29

Tgt Ion: 75 Resp: 195826

Ion Ratio Lower Upper

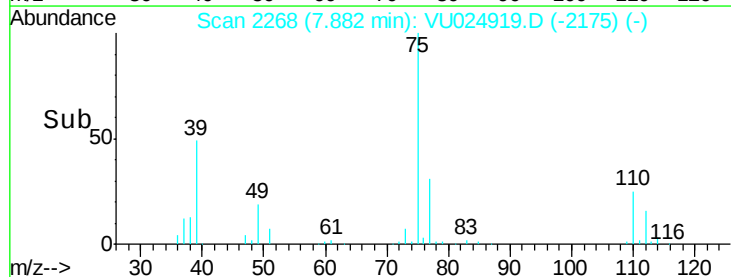
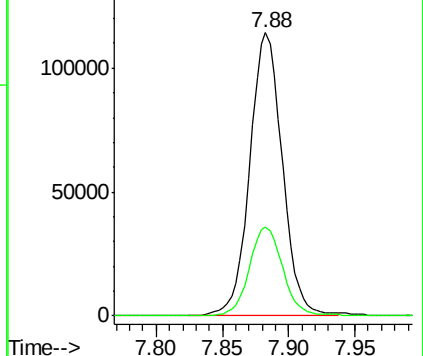
75 100

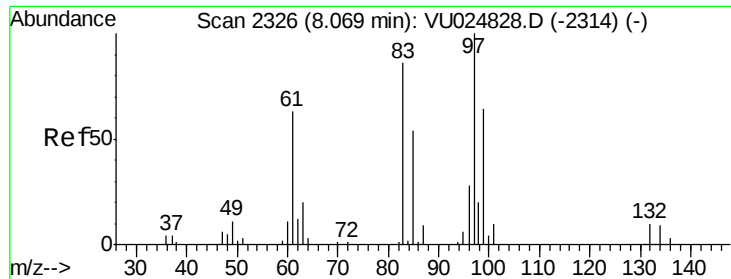
77 31.4 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

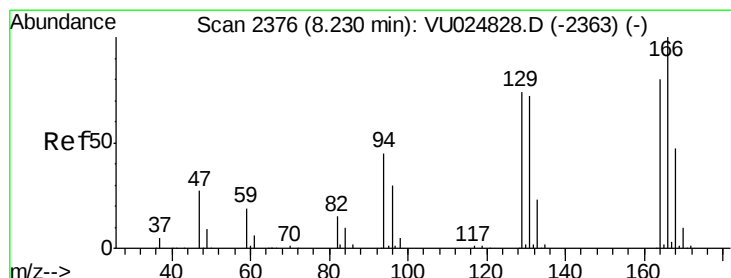
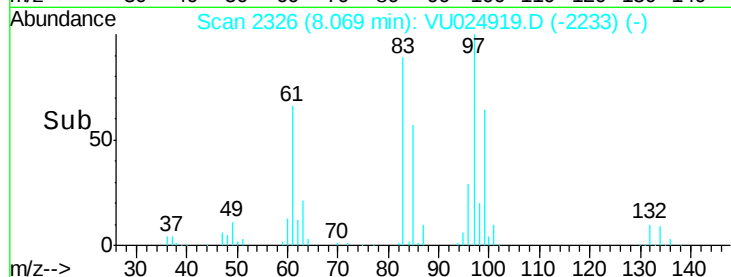
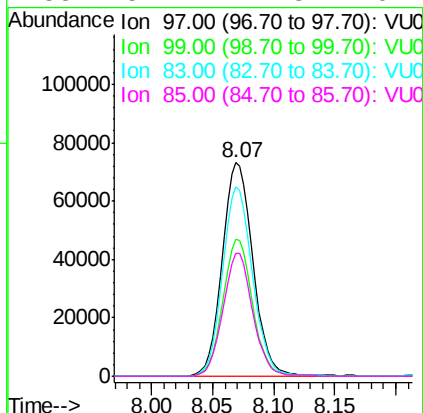
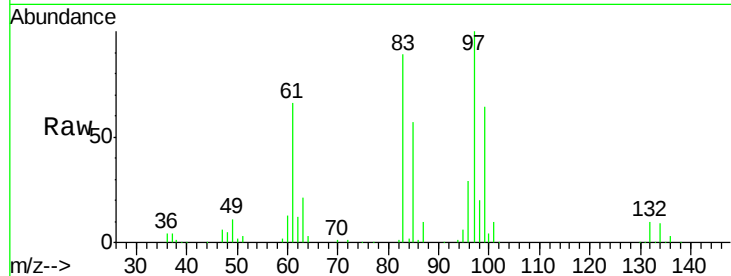




#45
 1,1,2-Trichloroethane
 Concen: 51.821 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU024919.D
 Acq: 26 Jun 2018 11:29

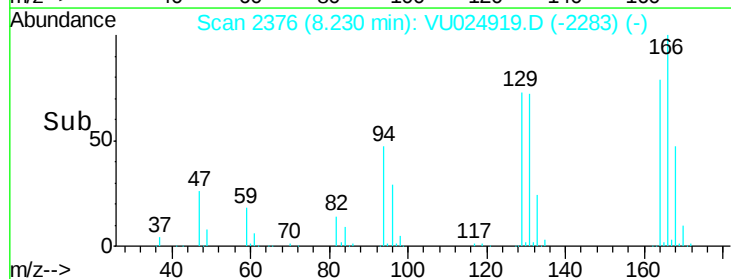
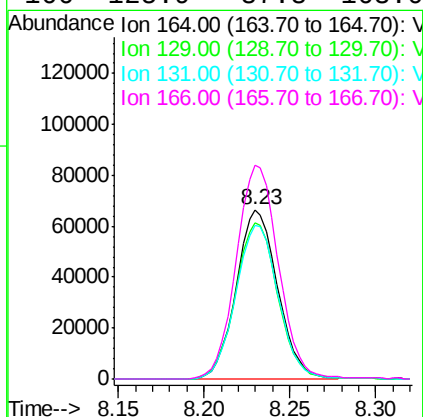
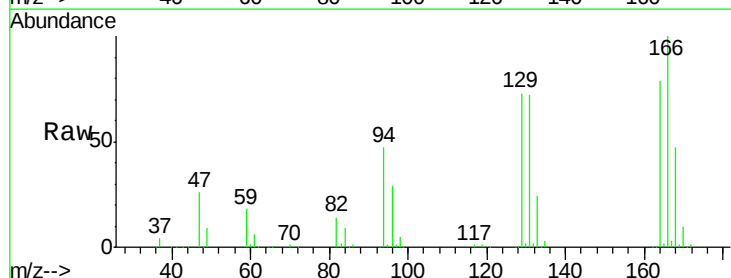
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

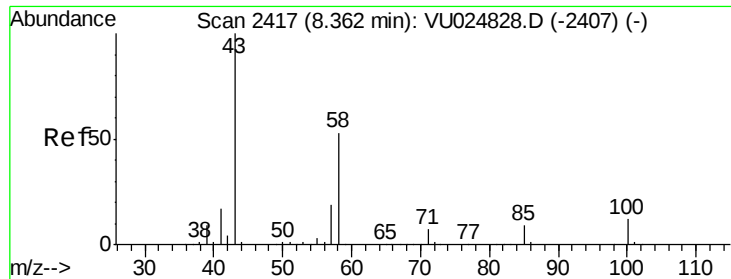
Tgt Ion:	97	Resp:	129328
Ion	Ratio	Lower	Upper
97	100		
99	63.9	44.0	81.8
83	88.5	61.0	113.2
85	57.4	41.3	76.7



#46
 Tetrachloroethene
 Concen: 50.196 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU024919.D
 Acq: 26 Jun 2018 11:29

Tgt Ion:	164	Resp:	111427
Ion	Ratio	Lower	Upper
164	100		
129	91.9	65.7	121.9
131	90.8	62.0	115.2
166	125.9	87.8	163.0

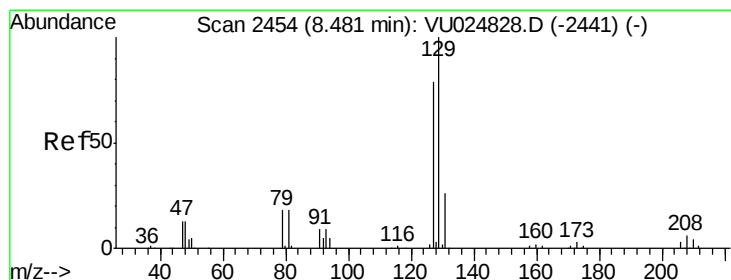
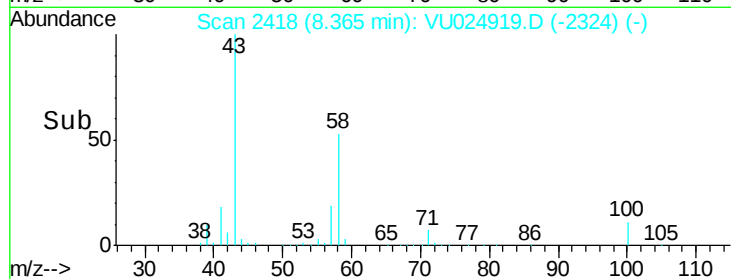
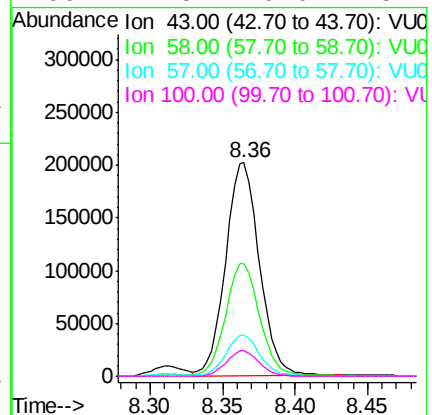
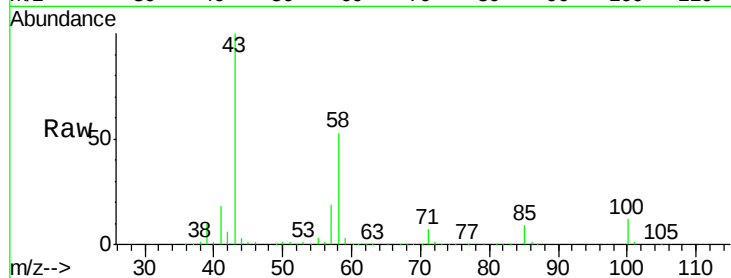




#48
2-Hexanone
Concen: 101.457 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU024919.D
Acq: 26 Jun 2018 11:29

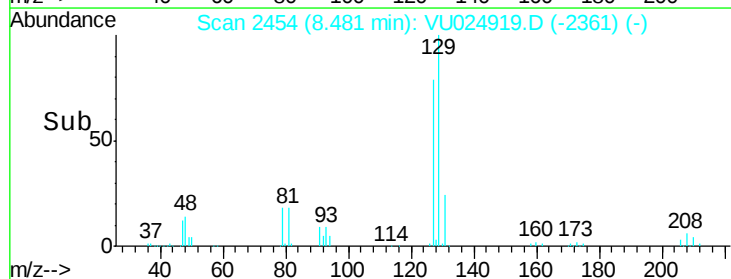
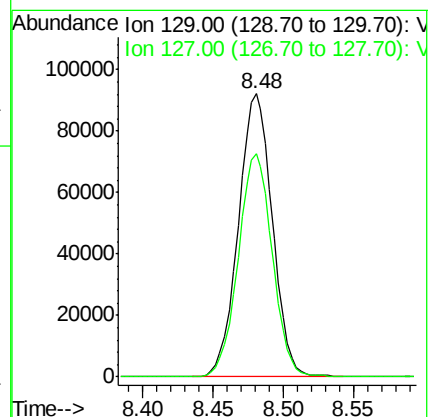
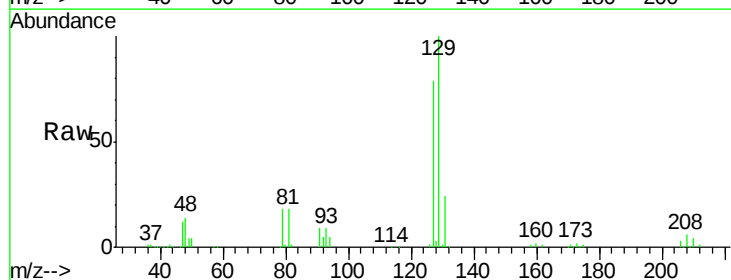
Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

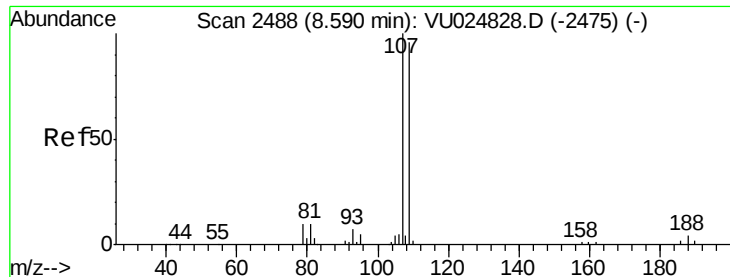
Tgt Ion: 43 Resp: 324666
Ion Ratio Lower Upper
43 100
58 53.7 42.6 63.8
57 19.5 14.7 22.1
100 11.8 9.0 13.4



#49
Dibromochloromethane
Concen: 50.872 ug/L
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU024919.D
Acq: 26 Jun 2018 11:29

Tgt Ion: 129 Resp: 155558
Ion Ratio Lower Upper
129 100
127 78.7 52.9 98.3

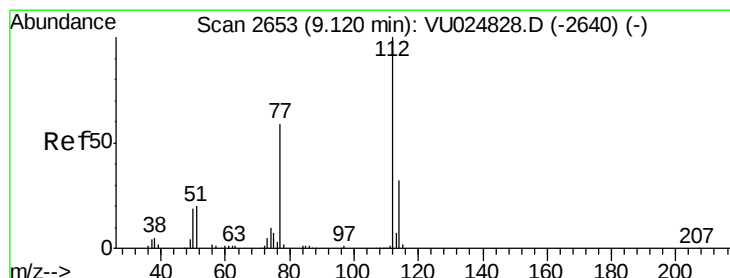
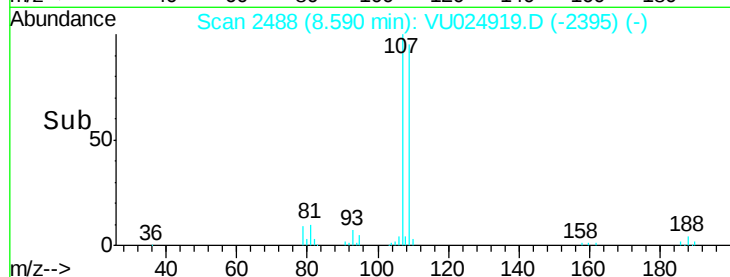
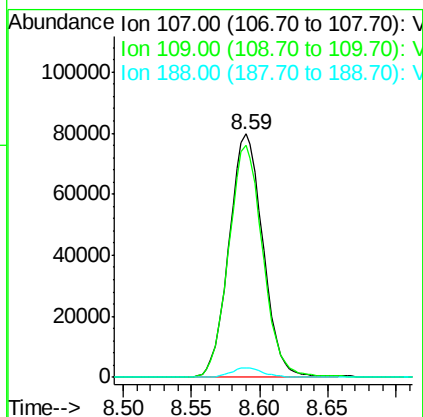
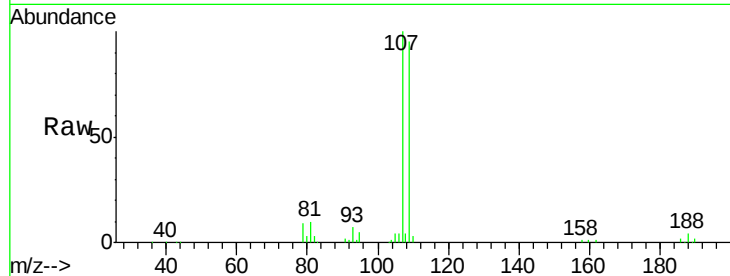




#50
 1,2-Dibromoethane
 Concen: 50.382 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU024919.D
 Acq: 26 Jun 2018 11:29

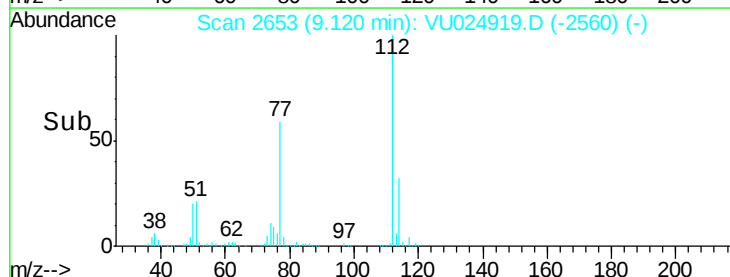
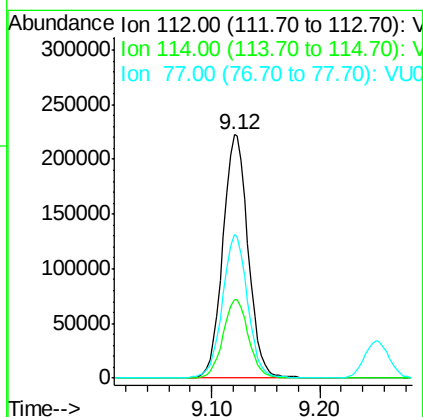
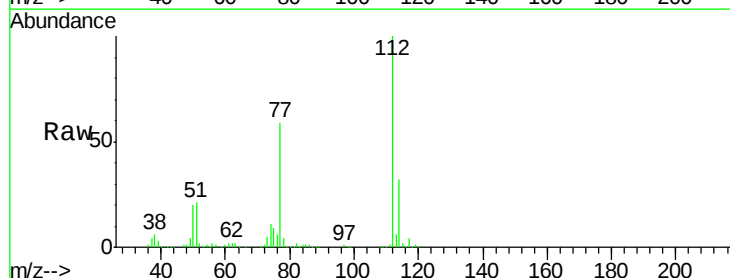
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

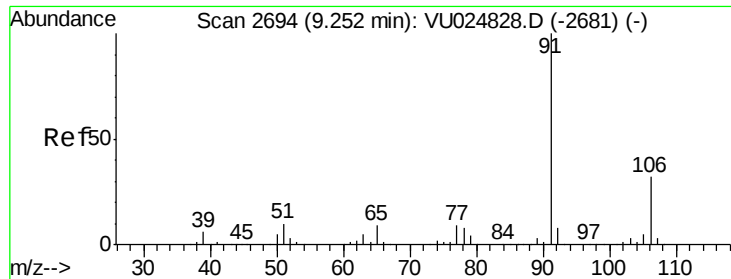
Tgt Ion:107 Resp: 137991
 Ion Ratio Lower Upper
 107 100
 109 95.2 66.6 123.6
 188 3.8 3.0 4.6



#51
 Chlorobenzene
 Concen: 51.026 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. 0.00 min
 Lab File: VU024919.D
 Acq: 26 Jun 2018 11:29

Tgt Ion:112 Resp: 362567
 Ion Ratio Lower Upper
 112 100
 114 32.2 22.7 42.1
 77 59.2 45.0 67.6





#52

Ethylbenzene

Concen: 51.306 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU024919.D

Acq: 26 Jun 2018 11:29

Instrument :

MSVOA_U

ClientSampleId :

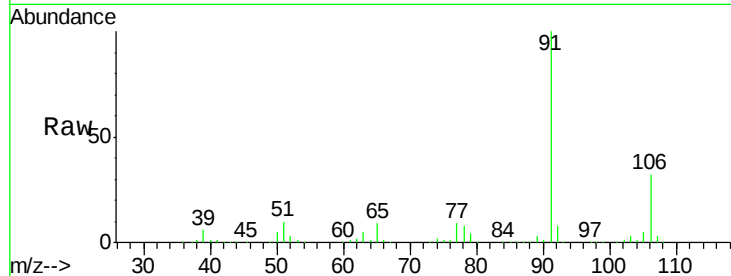
VSTD05054

Tgt Ion: 91 Resp: 623699

Ion Ratio Lower Upper

91 100

106 31.5 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VU024919.D (-2601) (-)

Ion 106.00 (105.70 to 106.70): VU024919.D (-2601) (-)

400000

300000

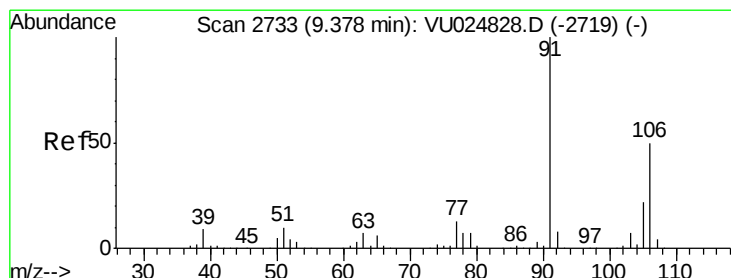
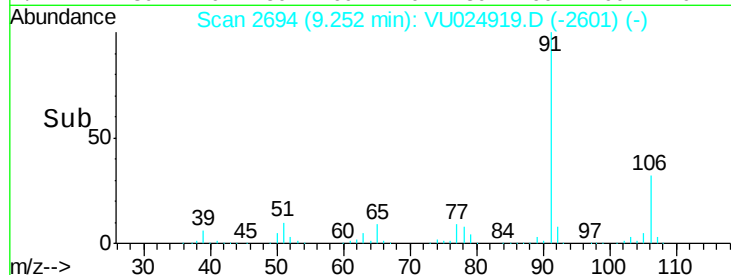
200000

100000

0

9.15 9.20 9.25 9.30 9.35

Time-->



#53

m,p-Xylene

Concen: 51.626 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU024919.D

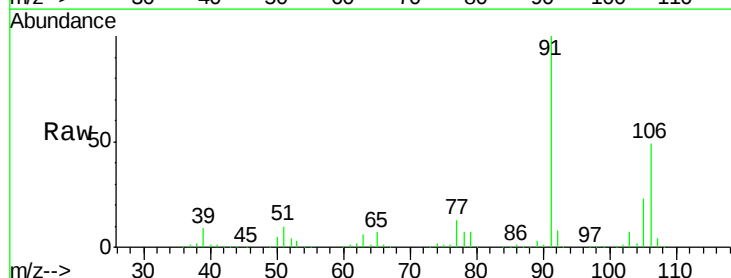
Acq: 26 Jun 2018 11:29

Tgt Ion: 106 Resp: 241504

Ion Ratio Lower Upper

106 100

91 203.4 141.5 262.7



Abundance Ion 106.00 (105.70 to 106.70): VU024919.D (-2640) (-)

Ion 91.00 (90.70 to 91.70): VU024919.D (-2640) (-)

300000

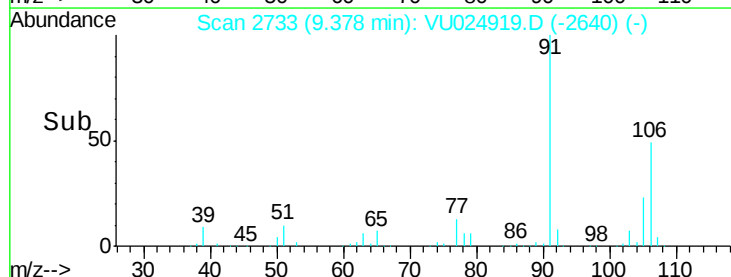
200000

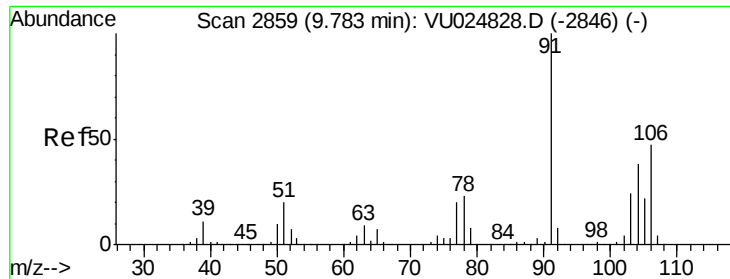
100000

0

9.30 9.35 9.40 9.45

Time-->





#54

o-xylene

Concen: 52.071 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU024919.D

Acq: 26 Jun 2018 11:29

Instrument :

MSVOA_U

ClientSampleId :

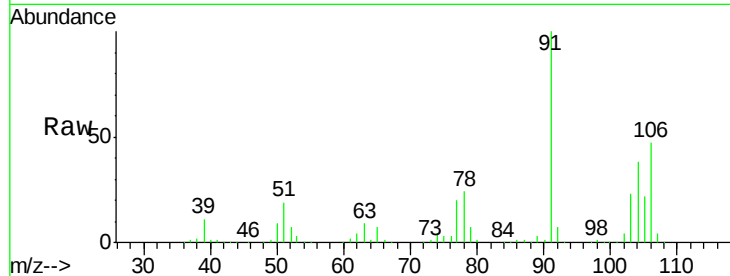
VSTD05054

Tgt Ion:106 Resp: 240310

Ion Ratio Lower Upper

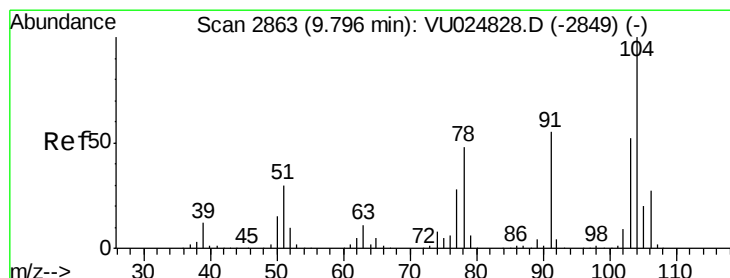
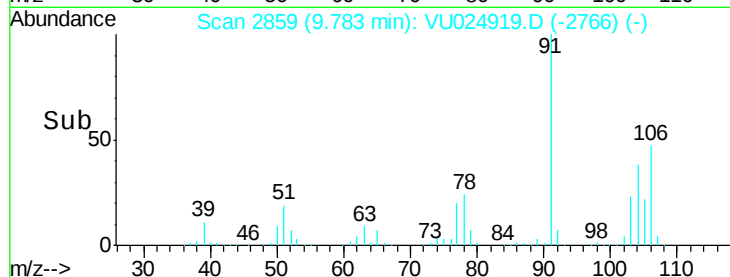
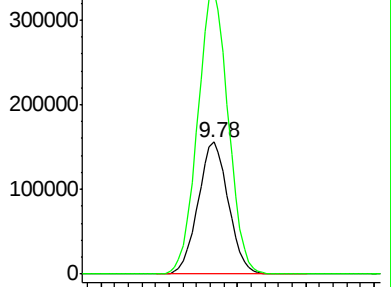
106 100

91 214.0 150.0 278.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 51.556 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU024919.D

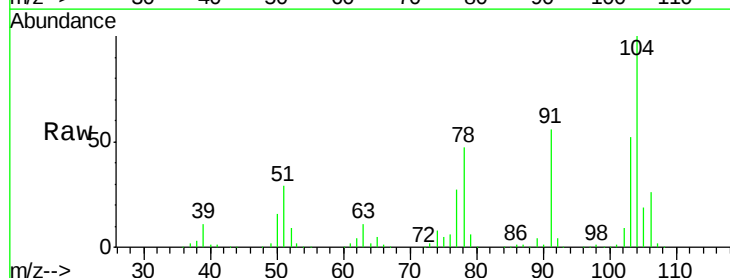
Acq: 26 Jun 2018 11:29

Tgt Ion:104 Resp: 404581

Ion Ratio Lower Upper

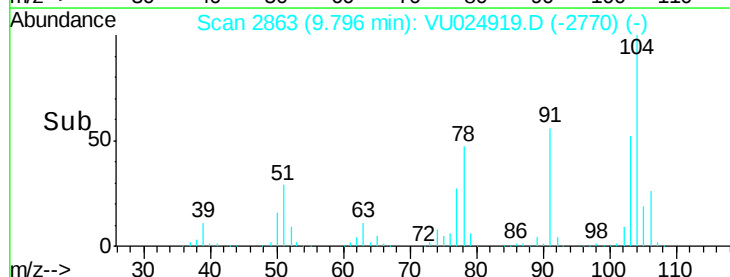
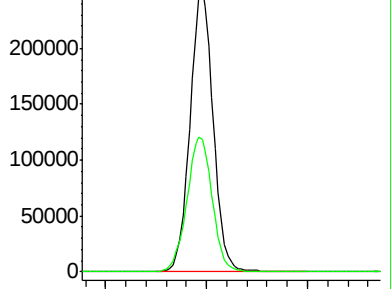
104 100

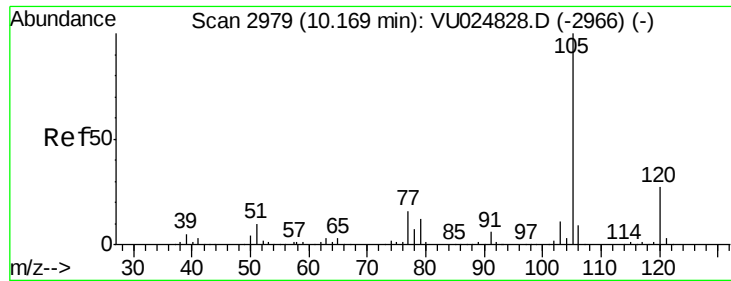
78 46.9 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 53.073 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU024919.D

Acq: 26 Jun 2018 11:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

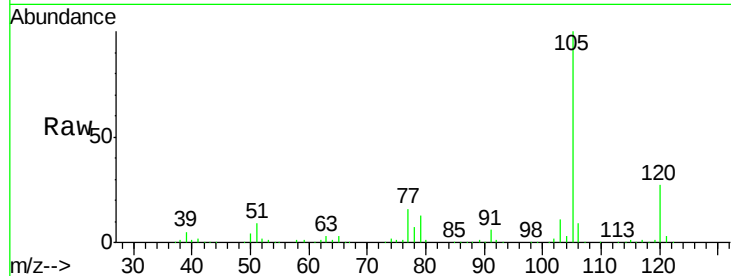
Tgt Ion: 105 Resp: 646246

Ion Ratio Lower Upper

105 100

120 26.8 22.1 33.1

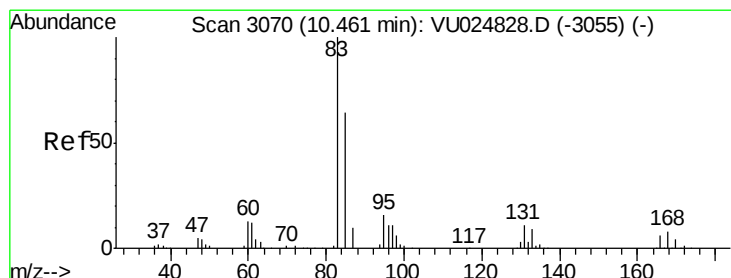
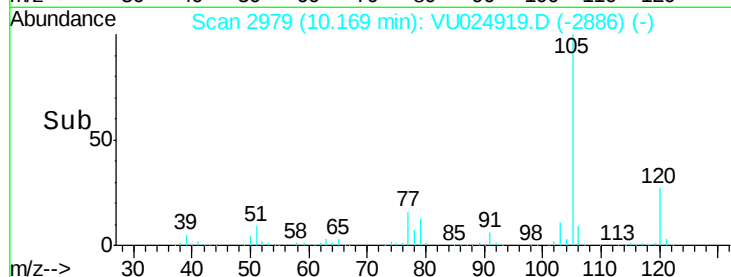
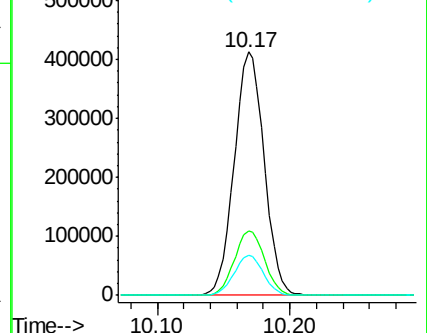
77 16.1 12.7 19.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 50.770 ug/L

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU024919.D

Acq: 26 Jun 2018 11:29

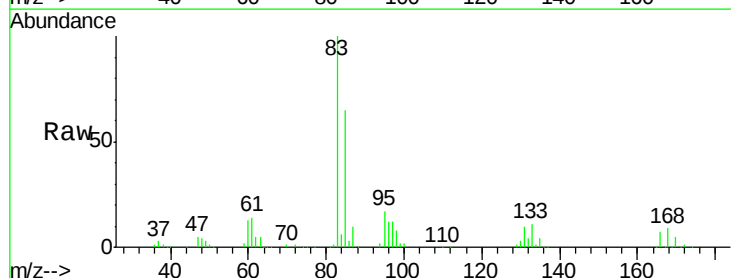
Tgt Ion: 83 Resp: 218316

Ion Ratio Lower Upper

83 100

85 65.3 45.9 85.3

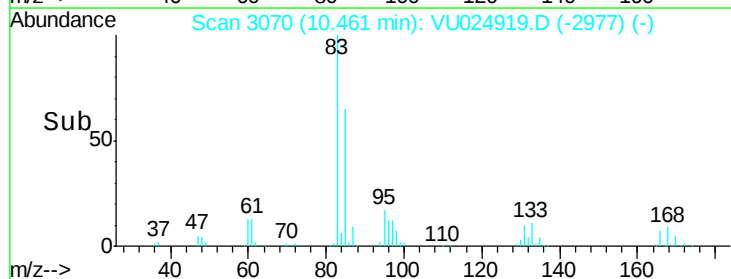
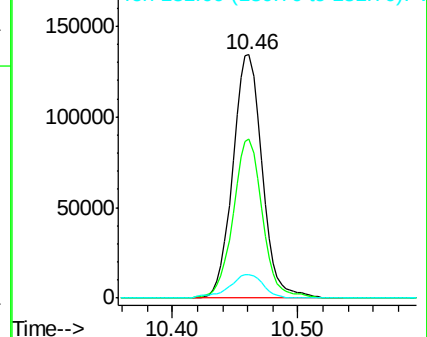
131 9.8 8.6 12.8

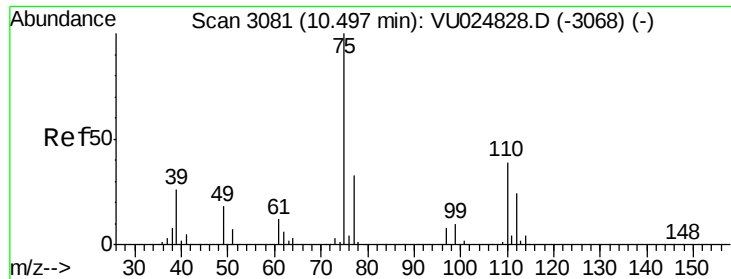


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V

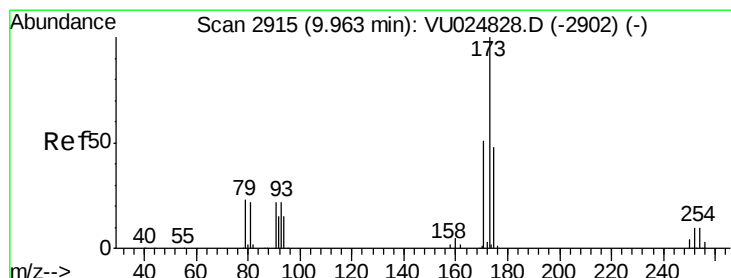
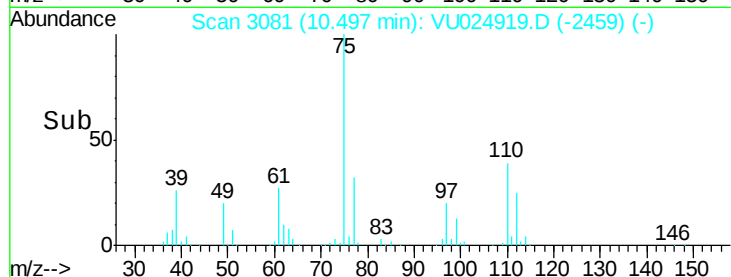
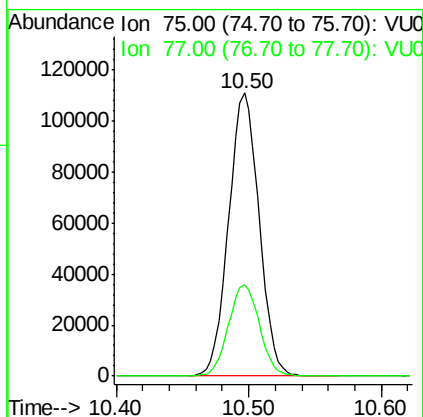
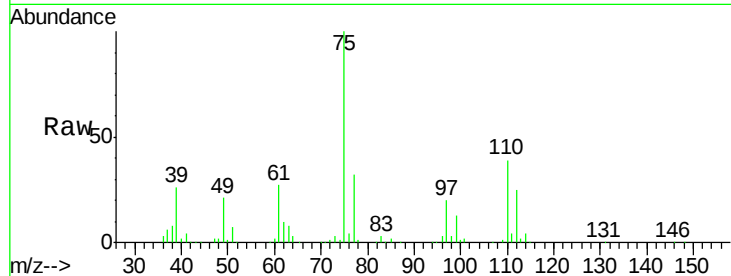




#59
 1,2,3-Trichloropropane
 Concen: 52.531 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU024919.D
 Acq: 26 Jun 2018 11:29

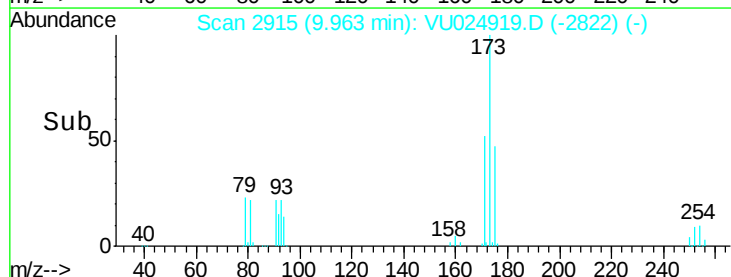
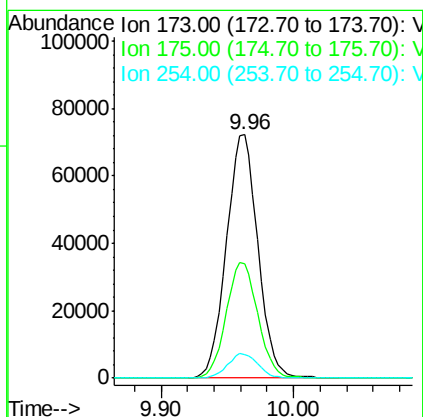
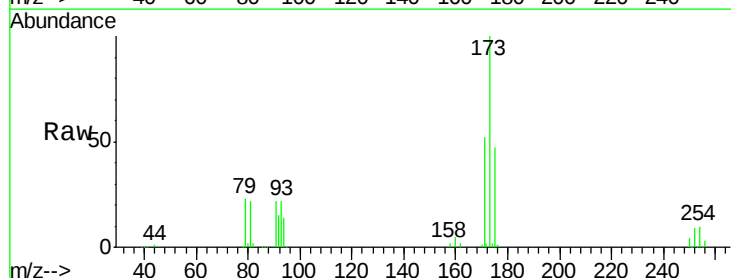
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

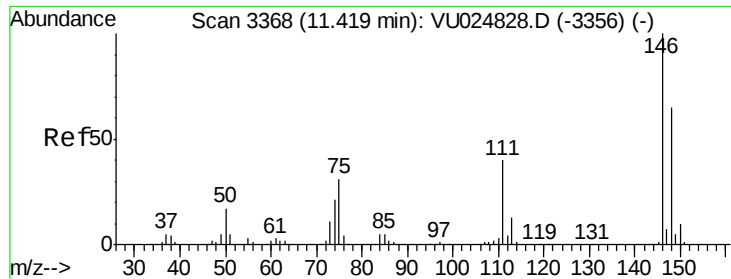
Tgt Ion: 75 Resp: 177116
 Ion Ratio Lower Upper
 75 100
 77 32.8 26.3 39.5



#61
 Bromoform
 Concen: 47.955 ug/L
 RT: 9.96 min Scan# 2915
 Delta R.T. 0.00 min
 Lab File: VU024919.D
 Acq: 26 Jun 2018 11:29

Tgt Ion: 173 Resp: 119128
 Ion Ratio Lower Upper
 173 100
 175 47.9 39.3 58.9
 254 9.7 7.8 11.6

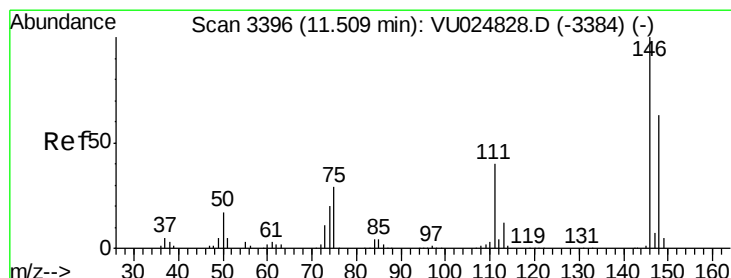
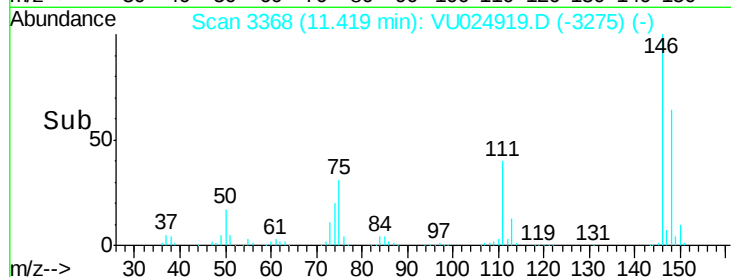
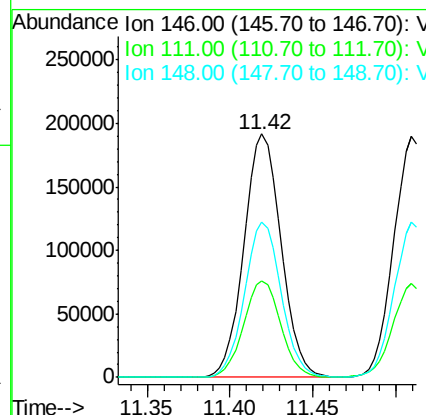
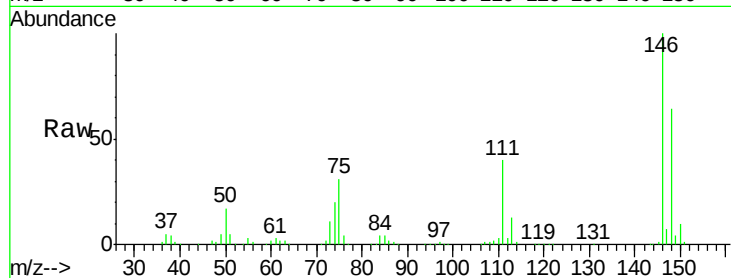




#62
 1,3-Dichlorobenzene
 Concen: 51.866 ug/L
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU024919.D
 Acq: 26 Jun 2018 11:29

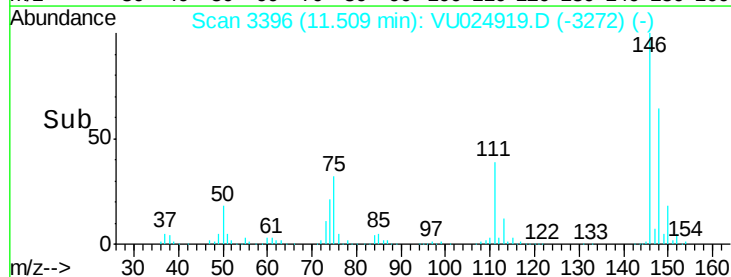
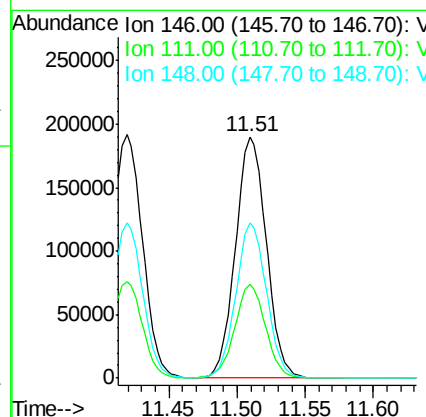
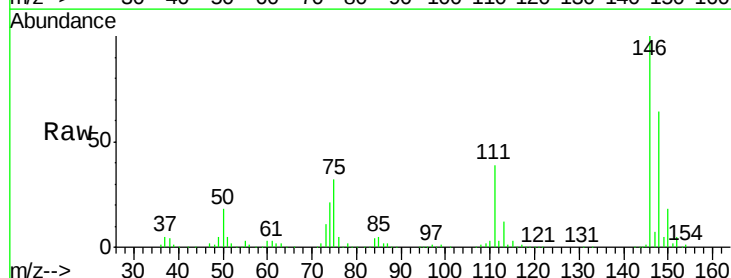
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

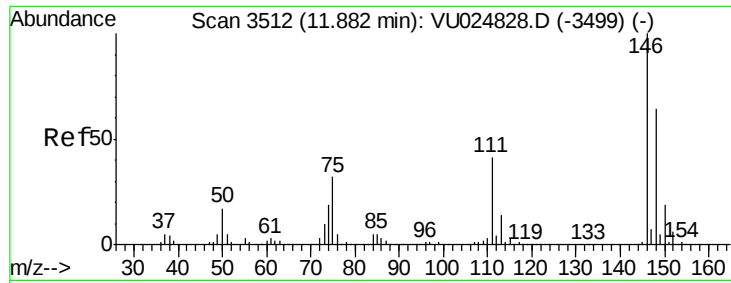
Tgt Ion:146 Resp: 298481
 Ion Ratio Lower Upper
 146 100
 111 39.8 28.4 52.8
 148 63.7 44.3 82.3



#63
 1,4-Dichlorobenzene
 Concen: 51.267 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU024919.D
 Acq: 26 Jun 2018 11:29

Tgt Ion:146 Resp: 297590
 Ion Ratio Lower Upper
 146 100
 111 38.8 26.5 49.1
 148 64.2 44.6 82.8





#65

1,2-Dichlorobenzene

Concen: 53.170 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU024919.D

Acq: 26 Jun 2018 11:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

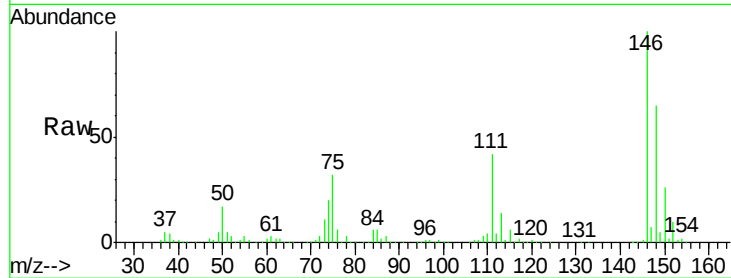
Tgt Ion: 146 Resp: 306221

Ion Ratio Lower Upper

146 100

111 42.0 32.2 48.4

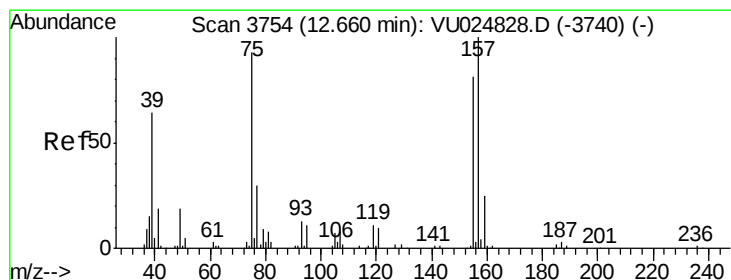
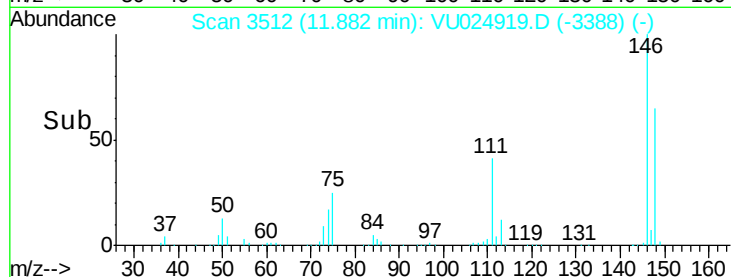
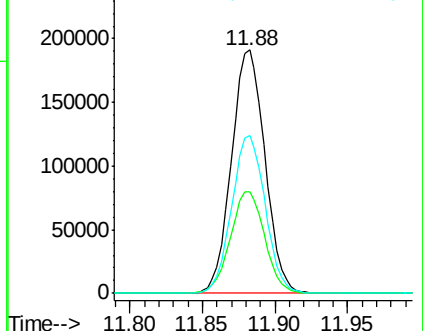
148 64.8 50.8 76.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 51.438 ug/L

RT: 12.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VU024919.D

Acq: 26 Jun 2018 11:29

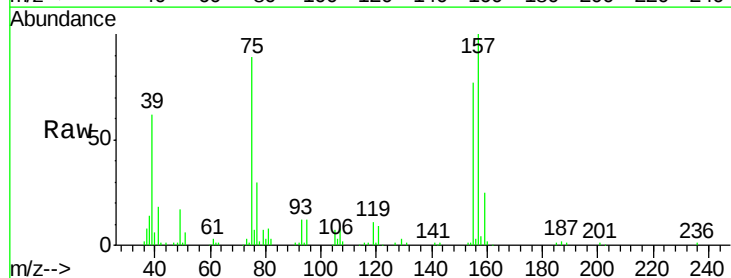
Tgt Ion: 75 Resp: 51845

Ion Ratio Lower Upper

75 100

155 87.3 76.8 115.2

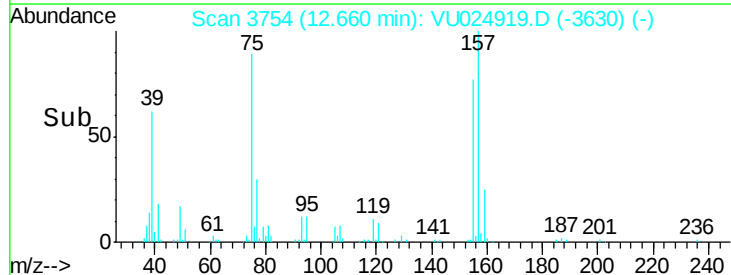
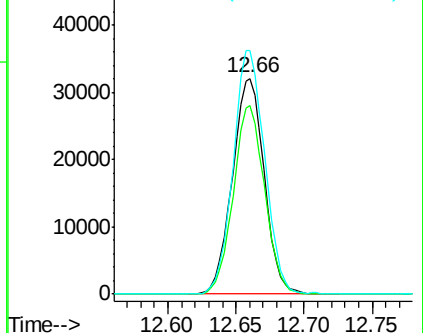
157 112.9 98.4 147.6

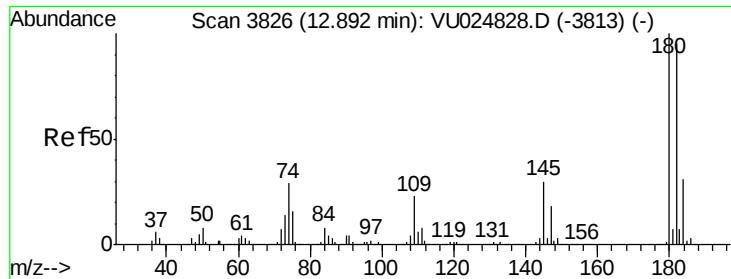


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

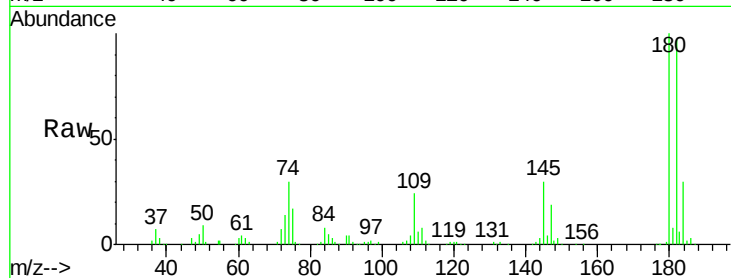




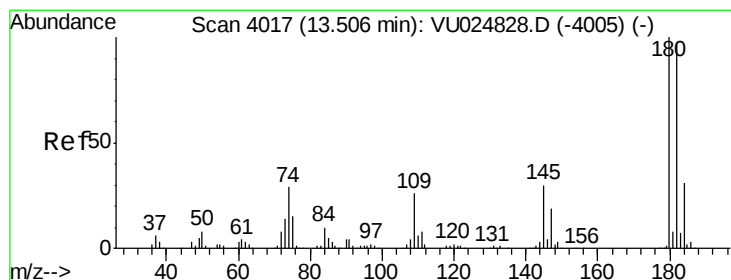
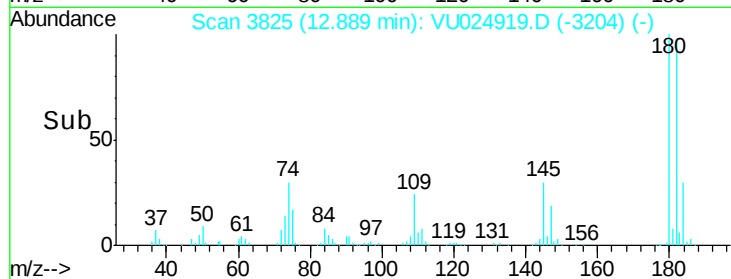
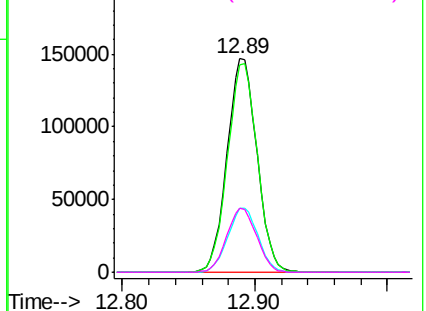
#67
 1,3,5-Trichlorobenzene
 Concen: 49.956 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. -0.00 min
 Lab File: VU024919.D
 Acq: 26 Jun 2018 11:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

Tgt Ion:180 Resp: 229861
 Ion Ratio Lower Upper
 180 100
 182 97.0 76.2 114.4
 184 30.4 24.7 37.1
 145 29.9 22.6 34.0

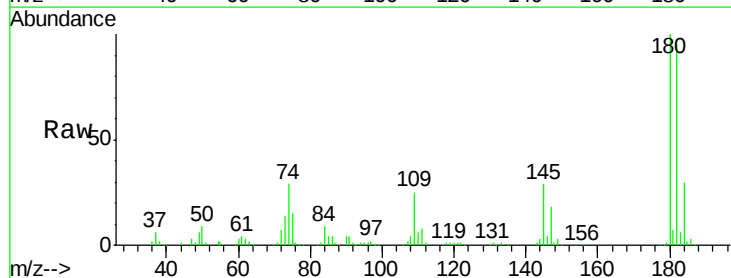


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

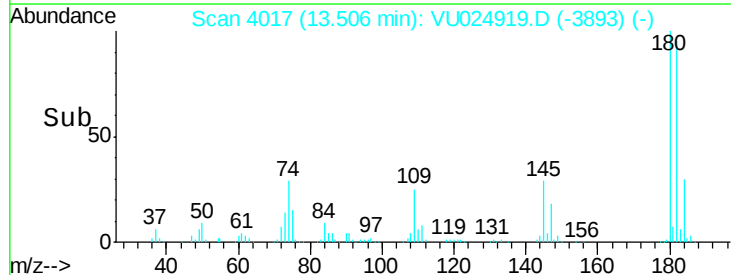
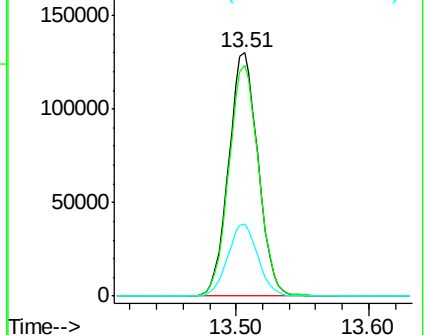


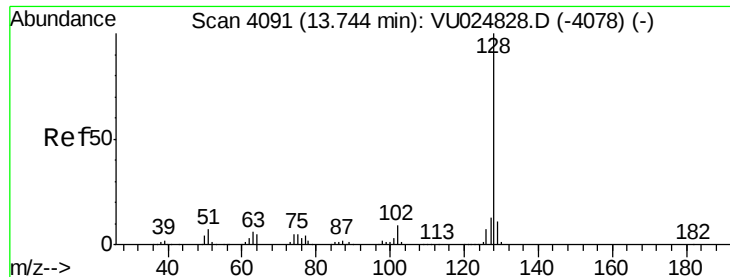
#68
 1,2,4-trichlorobenzene
 Concen: 52.469 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU024919.D
 Acq: 26 Jun 2018 11:29

Tgt Ion:180 Resp: 200788
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.2 114.2
 145 30.2 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





#69

Naphthalene

Concen: 56.093 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU024919.D

Acq: 26 Jun 2018 11:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

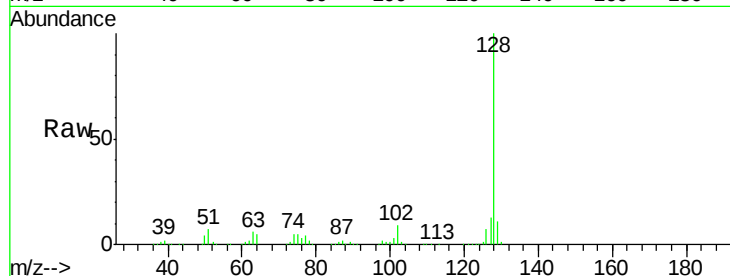
Tgt Ion:128 Resp: 592879

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

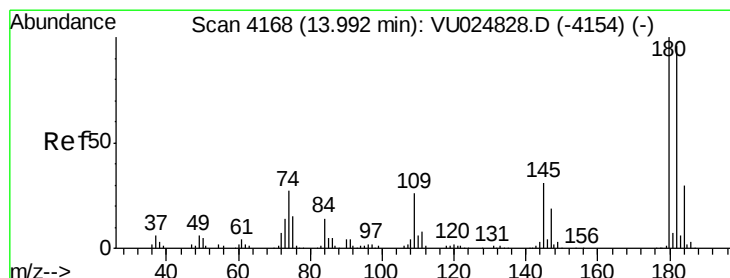
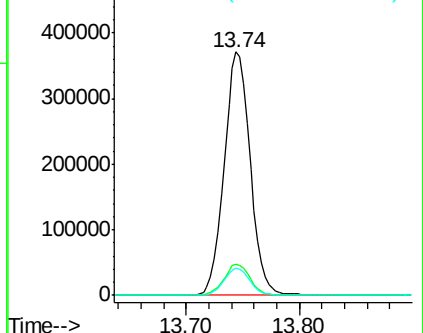
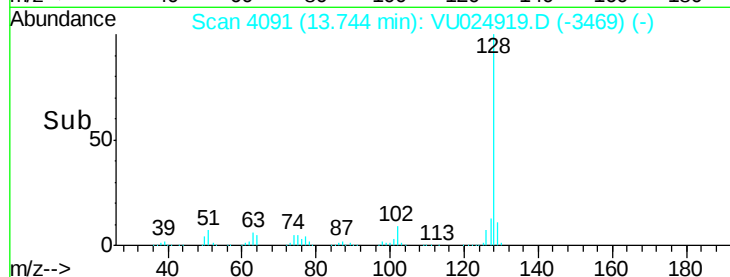
129 11.1 8.7 13.1



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: 53.926 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU024919.D

Acq: 26 Jun 2018 11:29

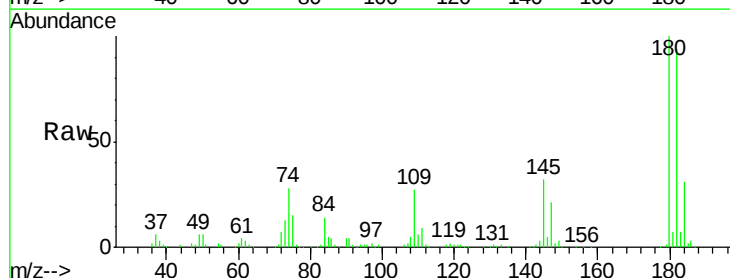
Tgt Ion:180 Resp: 209258

Ion Ratio Lower Upper

180 100

182 96.0 76.4 114.6

145 32.5 24.5 36.7



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

