

Data File : VU026131.D
Acq On : 15 Aug 2018 08:24
Operator : MD/SY
Sample : VSTD01061
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD01061

Quant Time: Aug 16 02:01:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081518WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 16 02:00:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	301005	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	281339	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	127267	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	17554	9.93	ug/L	0.00
7) Chloroethane-d5	1.68	69	14014	9.65	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.28	63	34542	9.95	ug/L	0.00
21) 2-Butanone-d5	4.18	46	25347	18.69	ug/L	0.00
24) Chloroform-d	4.65	84	38625	9.76	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	25847	9.98	ug/L	0.00
32) Benzene-d6	5.35	84	71803	9.90	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	23061	9.67	ug/L	0.00
41) Toluene-d8	7.57	98	66722	9.61	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	10317	9.14	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	17482	17.89	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.44	84	32902	9.80	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	26602	10.04	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	25232	10.588	ug/L	99
3) Chloromethane	1.33	50	23103	10.645	ug/L	97
5) Vinyl chloride	1.40	62	21688	10.009	ug/L	94
6) Bromomethane	1.62	94	11436	10.242	ug/L	98
8) Chloroethane	1.70	64	13029	10.042	ug/L	89
9) Trichlorofluoromethane	1.89	101	33342	10.420	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	17621	10.165	ug/L	98
12) 1,1-Dichloroethene	2.28	96	16612	10.443	ug/L	94
13) Acetone	2.32	43	26195	21.105	ug/L	99
14) Carbon disulfide	2.48	76	56014	10.155	ug/L	99
15) Methyl Acetate	2.62	43	22503	10.452	ug/L	96
16) Methylene chloride	2.70	84	22122	10.381	ug/L	98
17) trans-1,2-Dichloroethene	2.99	96	19115	10.130	ug/L	96
18) Methyl tert-butyl Ether	3.00	73	58601	9.783	ug/L	98
19) 1,1-Dichloroethane	3.45	63	36892	10.155	ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	21226	10.033	ug/L	95
22) 2-Butanone	4.26	43	30763	19.895	ug/L	99
23) Bromochloromethane	4.55	128	11305	9.885	ug/L	86
25) Chloroform	4.68	83	39253	10.292	ug/L	96
27) 1,2-Dichloroethane	5.41	62	31675	10.272	ug/L	98
29) Cyclohexane	5.00	56	26830	9.544	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	34829	10.361	ug/L	100
31) Carbon tetrachloride	5.14	117	31941	10.488	ug/L	100
33) Benzene	5.39	78	77995	10.238	ug/L	100
34) Trichloroethene	6.19	95	20916	10.539	ug/L	97
35) Methylcyclohexane	6.42	83	28331	9.510	ug/L	97
37) 1,2-Dichloropropane	6.44	63	22075	10.376	ug/L	# 95
38) Bromodichloromethane	6.76	83	28579	10.145	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	30406	9.627	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	51027	19.334	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.64	91	80206	9.914	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	28983	9.524	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	20870	10.346	ug/L	97
46) Tetrachloroethene	8.23	164	17725	10.356	ug/L	97
48) 2-Hexanone	8.36	43	39158	18.936	ug/L	98
49) Dibromochloromethane	8.48	129	23618	9.721	ug/L	94
50) 1,2-Dibromoethane	8.59	107	21096	10.071	ug/L	98
51) Chlorobenzene	9.12	112	55977	10.124	ug/L	98
52) Ethylbenzene	9.25	91	83874	9.517	ug/L	99
53) m,p-Xylene	9.38	106	31786	9.359	ug/L	100
54) o-xylene	9.78	106	31842	9.396	ug/L	98
55) Styrene	9.80	104	51617	9.148	ug/L	99
56) Isopropylbenzene	10.17	105	80223	9.221	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	33217	9.860	ug/L	97
59) 1,2,3-Trichloropropane	10.50	75	26022	9.928	ug/L	94
61) Bromoform	9.96	173	17851	10.728	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	39088	10.249	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	40247	10.233	ug/L	97
65) 1,2-Dichlorobenzene	11.88	146	42799	10.500	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.66	75	6422	9.937	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	28227	10.022	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	18067	8.467	ug/L	98
69) Naphthalene	13.75	128	44540	7.335	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	20104	8.787	ug/L	99

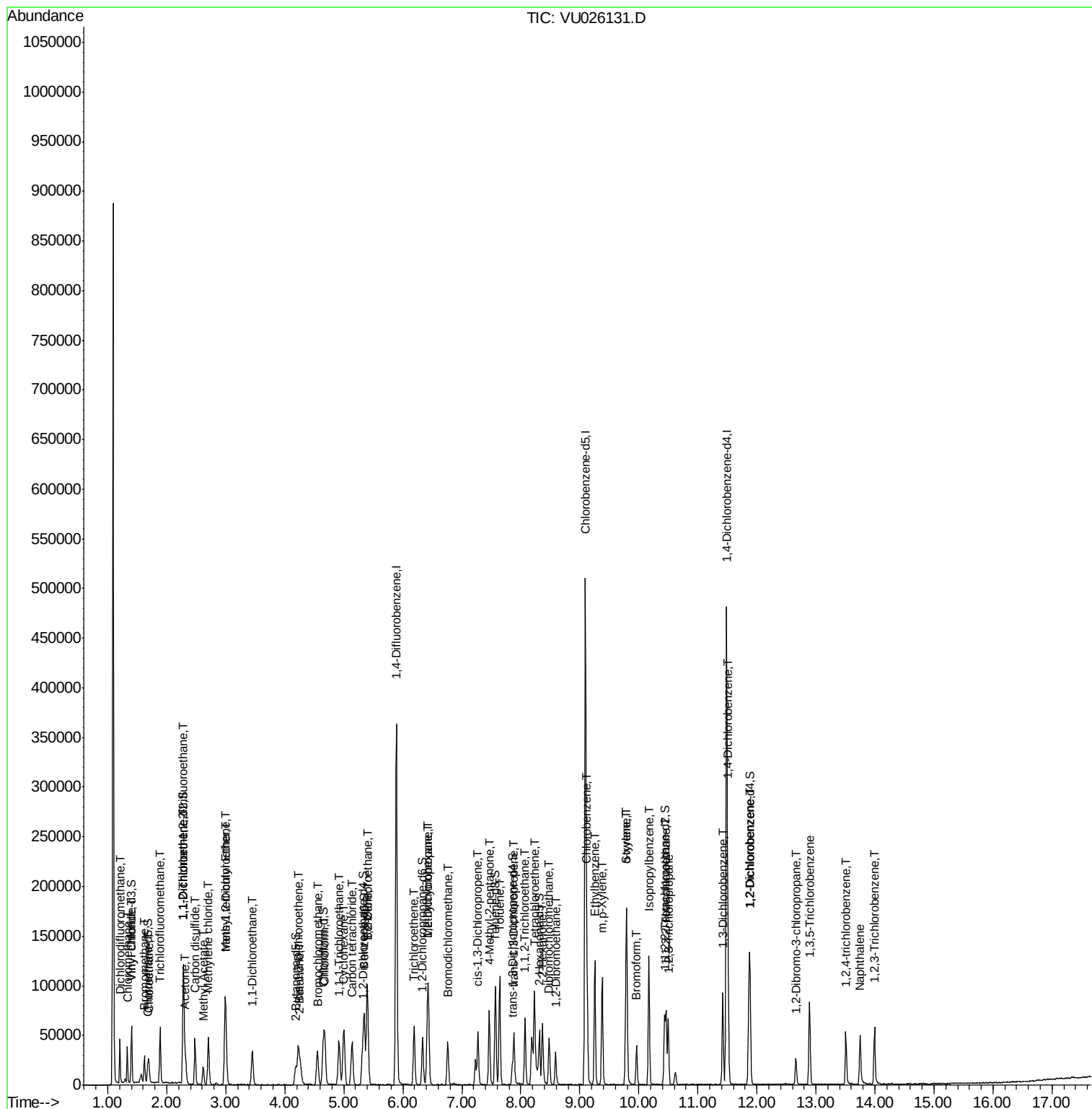
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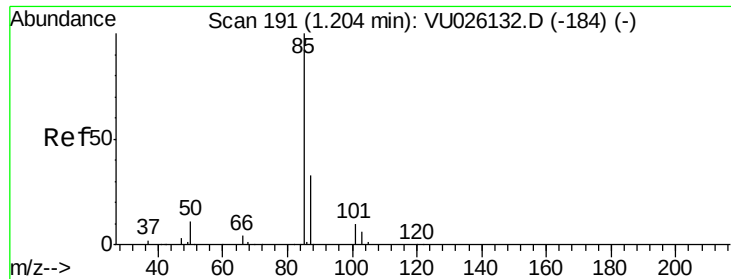
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#2

Dichlorodifluoromethane

Concen: 10.588 ug/L

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU026131.D

Acq: 15 Aug 2018 08:24

Instrument :

MSVOA_U

ClientSampleId :

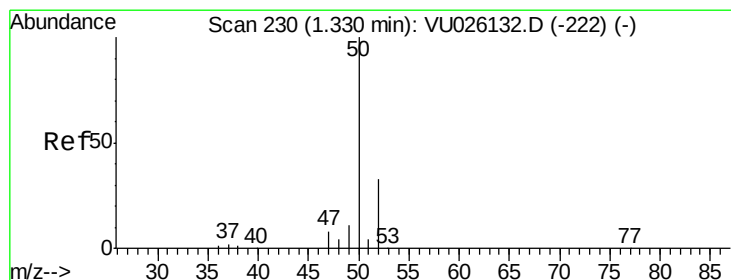
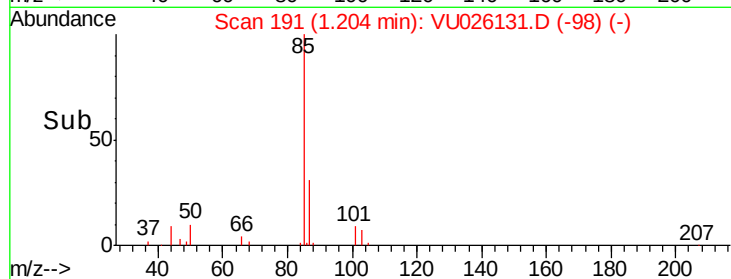
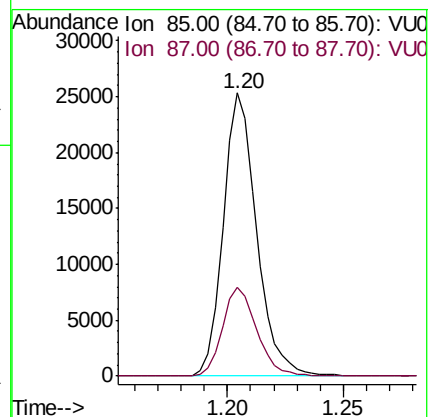
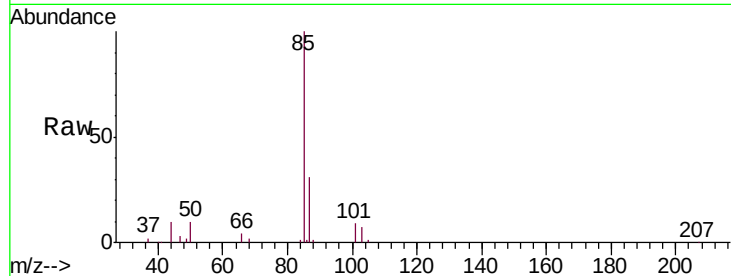
VSTD01061

Tgt Ion: 85 Resp: 25232

Ion Ratio Lower Upper

85 100

87 32.1 26.1 39.1



#3

Chloromethane

Concen: 10.645 ug/L

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU026131.D

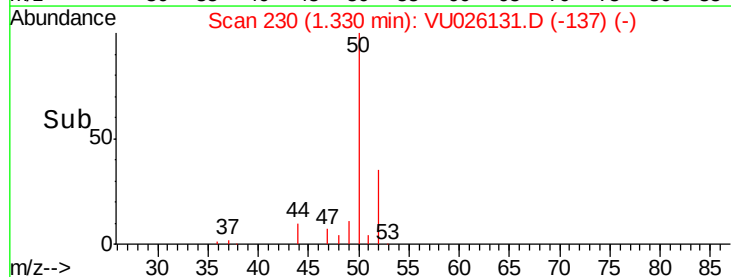
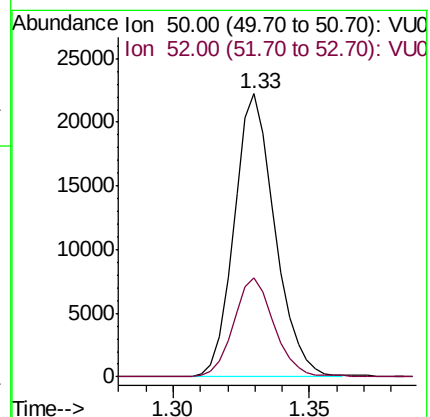
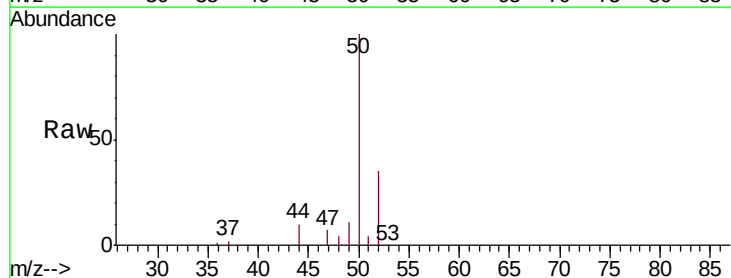
Acq: 15 Aug 2018 08:24

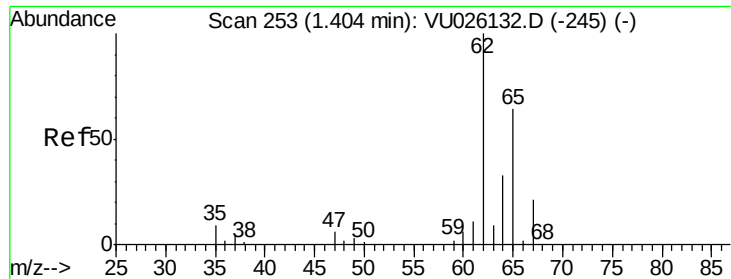
Tgt Ion: 50 Resp: 23103

Ion Ratio Lower Upper

50 100

52 34.9 23.0 42.8





#5

Vinyl chloride

Concen: 10.009 ug/L

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU026131.D

Acq: 15 Aug 2018 08:24

Instrument :

MSVOA_U

ClientSampleId :

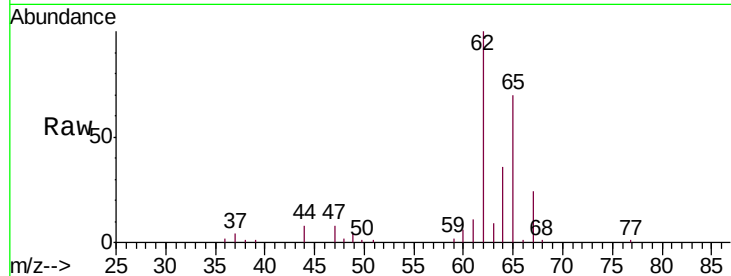
VSTD01061

Tgt Ion: 62 Resp: 21688

Ion Ratio Lower Upper

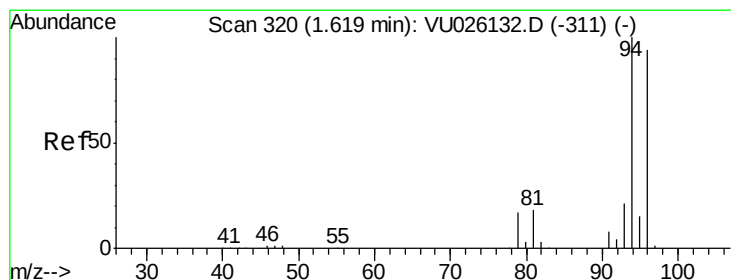
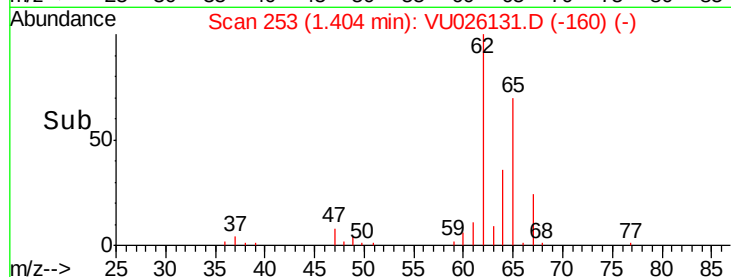
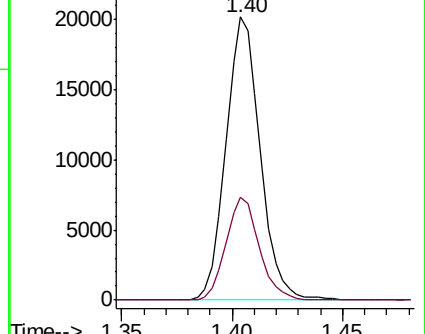
62 100

64 36.4 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 10.242 ug/L

RT: 1.62 min Scan# 321

Delta R.T. 0.00 min

Lab File: VU026131.D

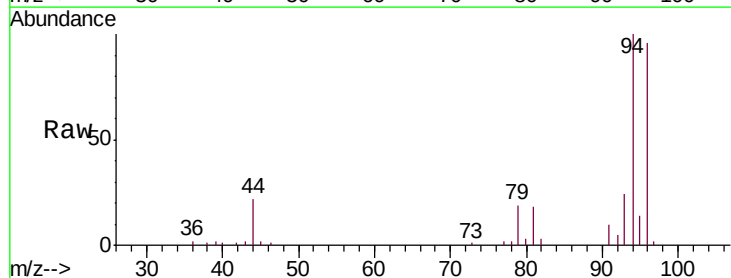
Acq: 15 Aug 2018 08:24

Tgt Ion: 94 Resp: 11436

Ion Ratio Lower Upper

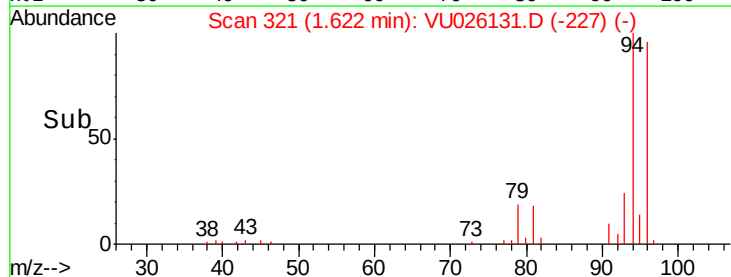
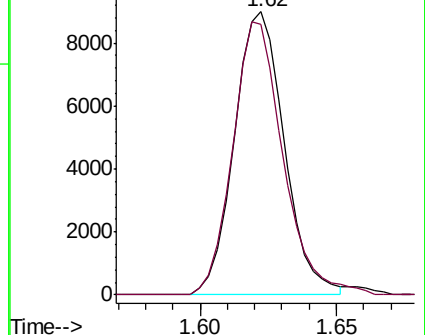
94 100

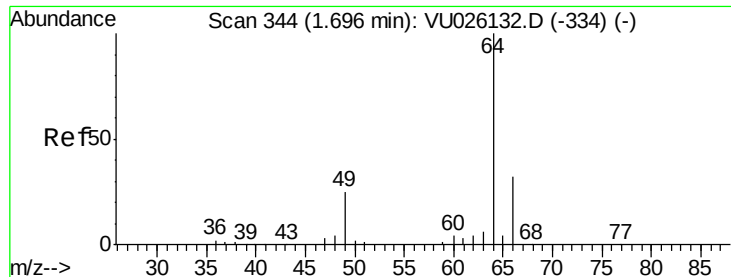
96 95.8 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 10.042 ug/L

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU026131.D

Acq: 15 Aug 2018 08:24

Instrument :

MSVOA_U

ClientSampleId :

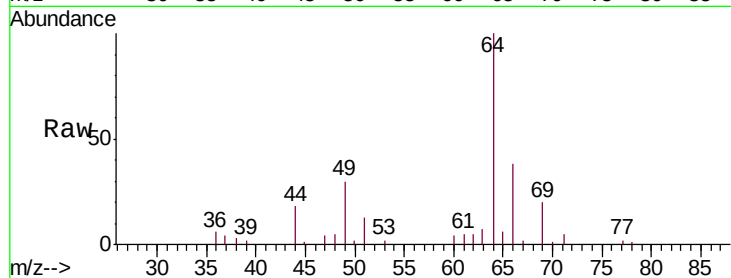
VSTD01061

Tgt Ion: 64 Resp: 13029

Ion Ratio Lower Upper

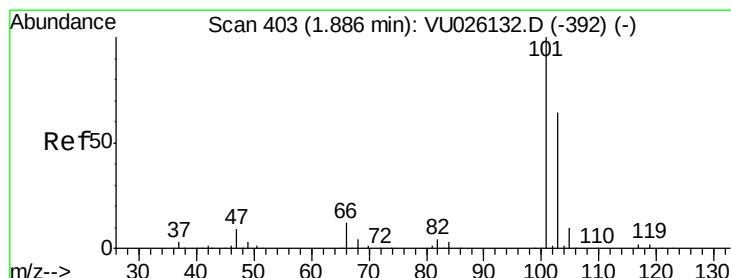
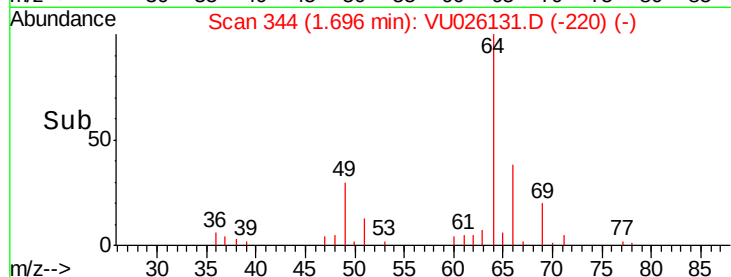
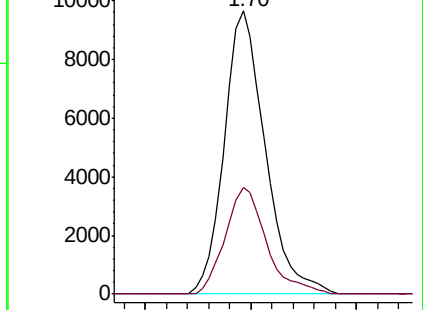
64 100

66 37.5 22.2 41.2



Abundance Ion 64.00 (63.70 to 64.70): VU026131.D (-220) (-)

Ion 66.00 (65.70 to 66.70): VU026131.D (-220) (-)



#9

Trichlorofluoromethane

Concen: 10.420 ug/L

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU026131.D

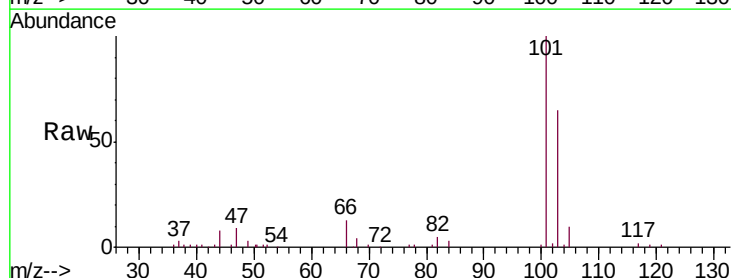
Acq: 15 Aug 2018 08:24

Tgt Ion: 101 Resp: 33342

Ion Ratio Lower Upper

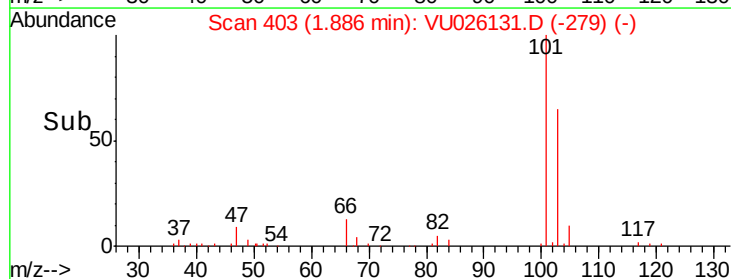
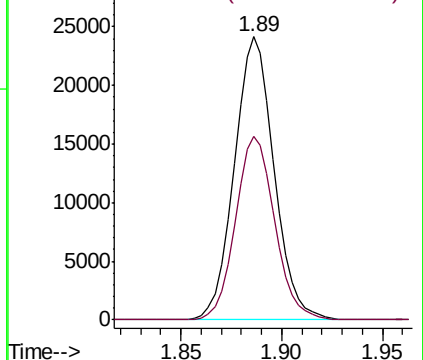
101 100

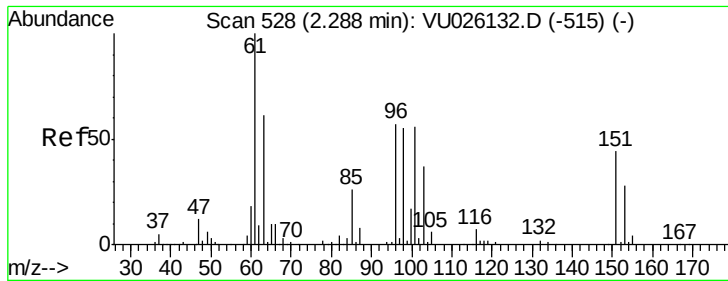
103 64.1 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VU026131.D (-279) (-)

Ion 103.00 (102.70 to 103.70): VU026131.D (-279) (-)





#10

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

Concen: 10.165 ug/L

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU026131.D

Acq: 15 Aug 2018 08:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD01061

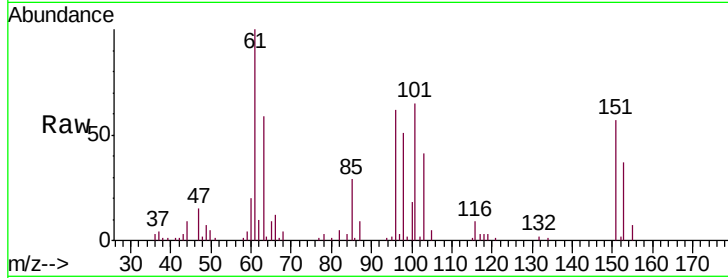
Tgt Ion:101 Resp: 17621

Ion Ratio Lower Upper

101 100

85 44.2 36.6 55.0

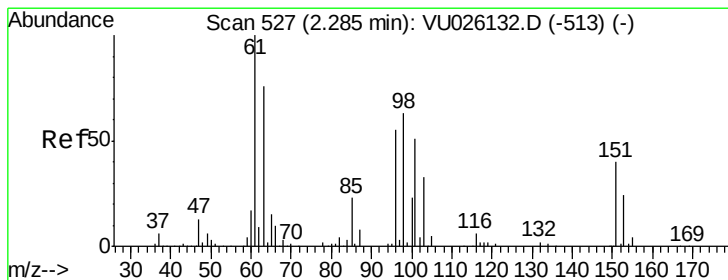
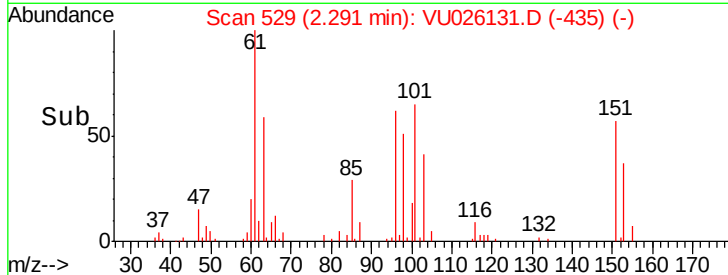
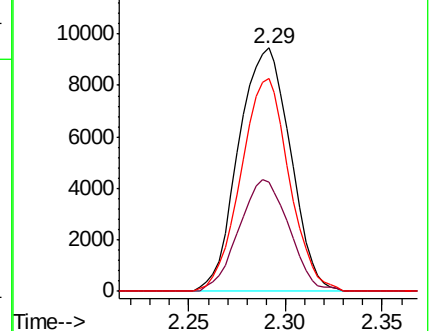
151 81.8 63.8 95.8



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: 10.443 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU026131.D

Acq: 15 Aug 2018 08:24

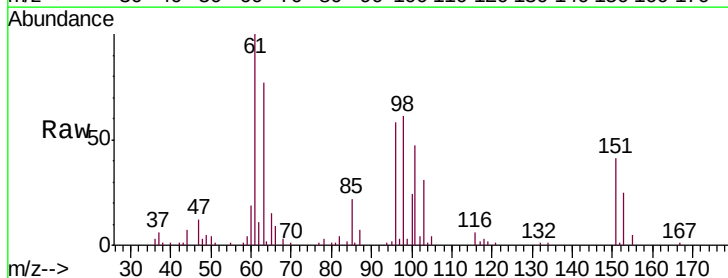
Tgt Ion: 96 Resp: 16612

Ion Ratio Lower Upper

96 100

61 172.5 126.8 235.4

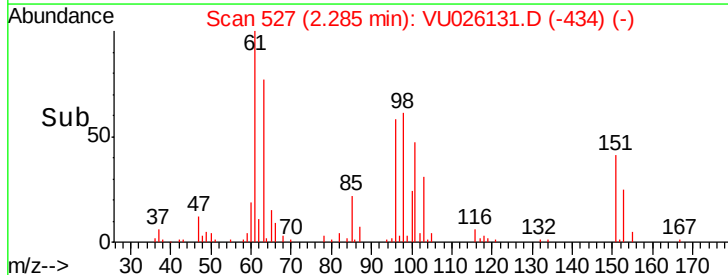
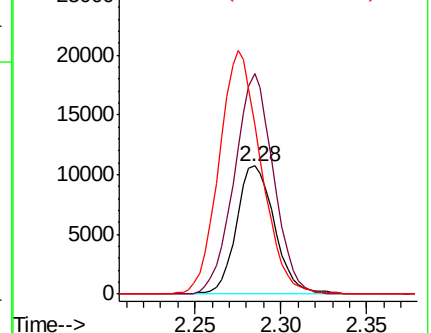
63 132.4 97.0 180.2

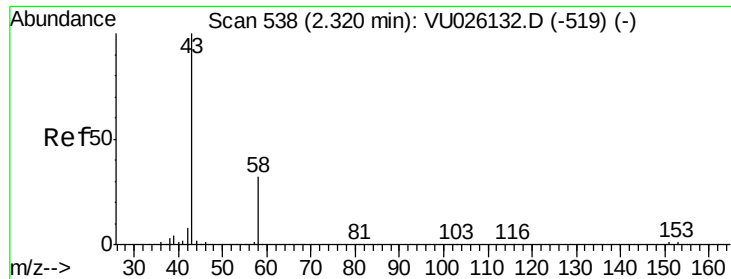


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 21.105 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

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MSVOA_U

ClientSampleId :

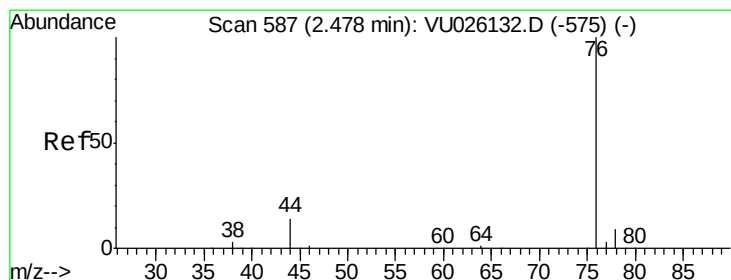
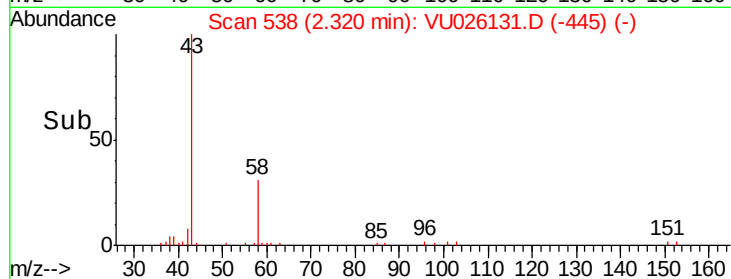
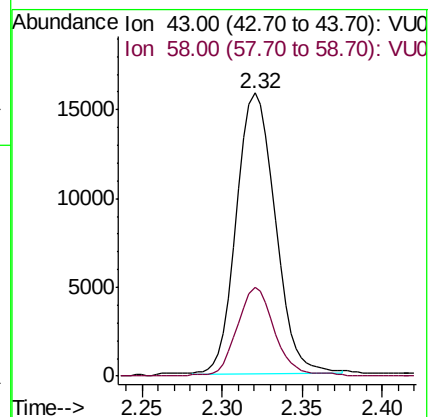
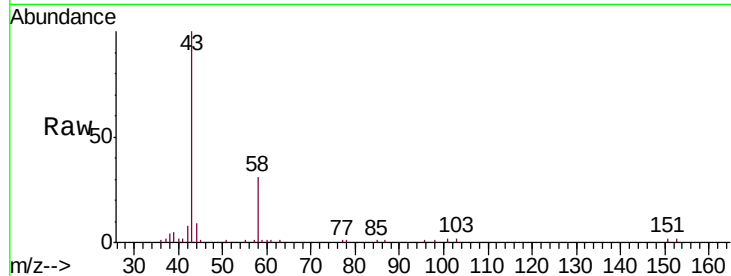
VSTD01061

Tgt Ion: 43 Resp: 26195

Ion Ratio Lower Upper

43 100

58 30.5 0.0 62.6



#14

Carbon disulfide

Concen: 10.155 ug/L

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU026131.D

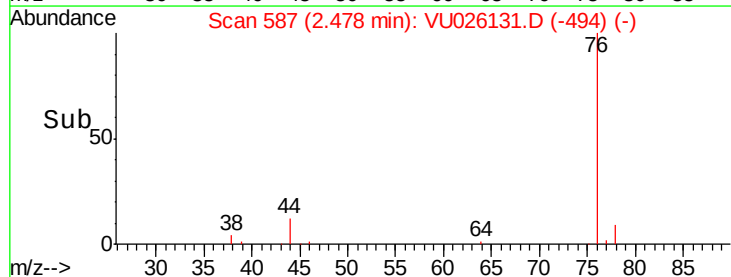
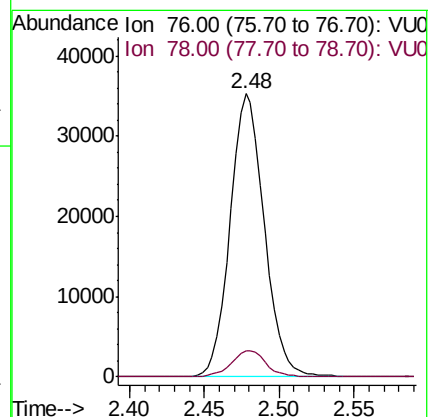
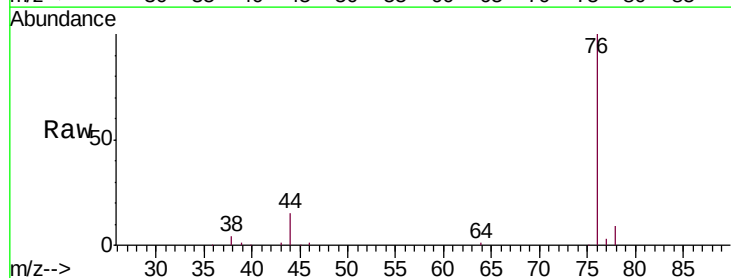
Acq: 15 Aug 2018 08:24

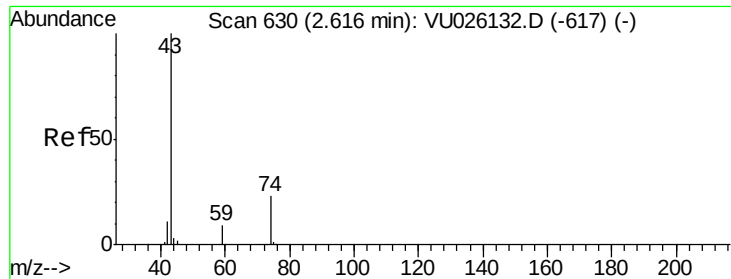
Tgt Ion: 76 Resp: 56014

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

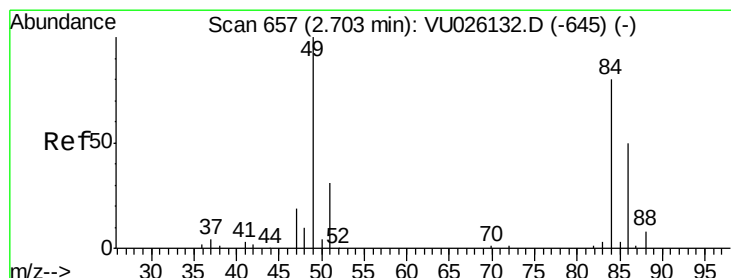
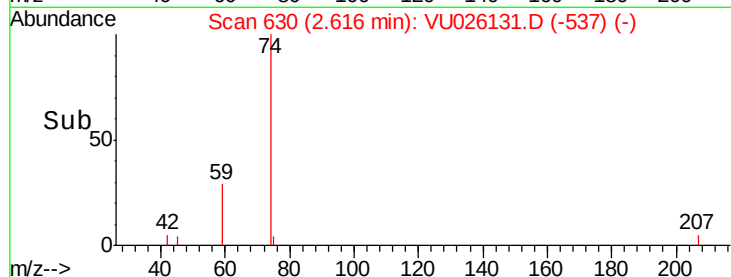
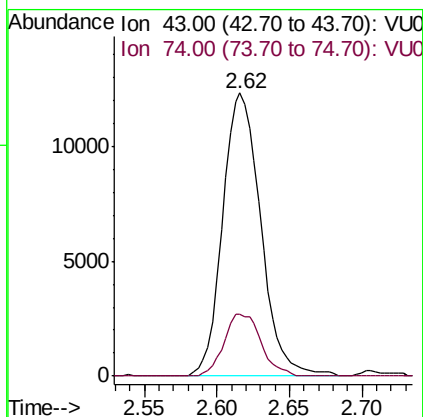
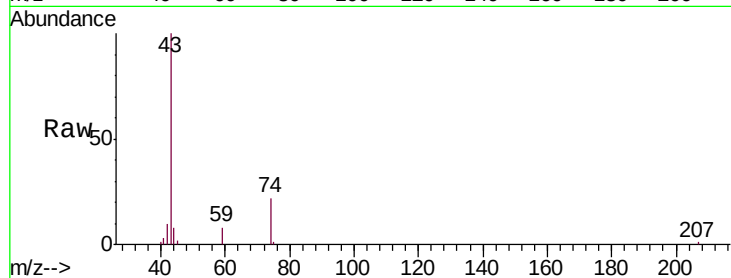




#15
Methyl Acetate
Concen: 10.452 ug/L
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU026131.D
Acq: 15 Aug 2018 08:24

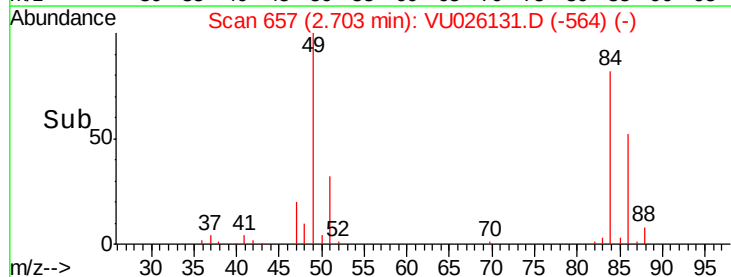
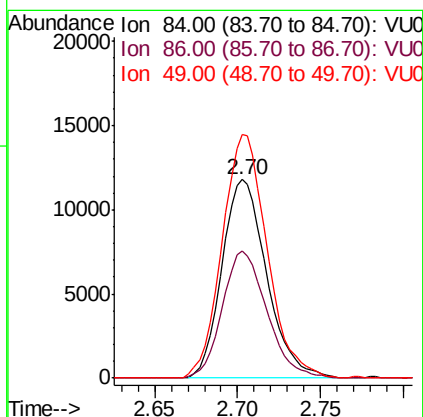
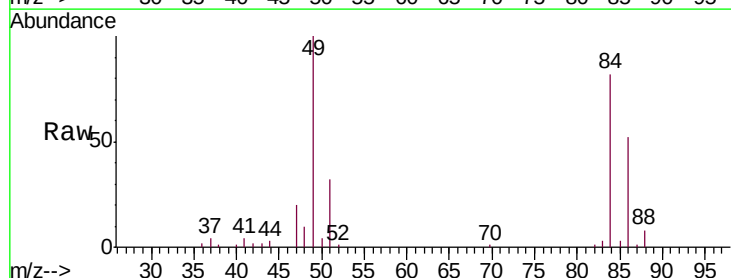
Instrument :
MSVOA_U
ClientSampleId :
VSTD01061

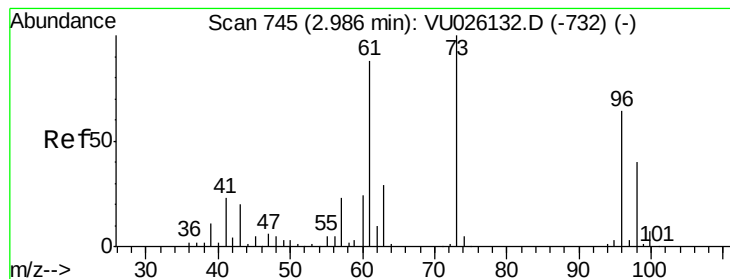
Tgt Ion: 43 Resp: 22503
Ion Ratio Lower Upper
43 100
74 21.3 18.6 28.0



#16
Methylene chloride
Concen: 10.381 ug/L
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU026131.D
Acq: 15 Aug 2018 08:24

Tgt Ion: 84 Resp: 22122
Ion Ratio Lower Upper
84 100
86 63.9 44.0 81.6
49 122.6 87.7 162.9





#17

trans-1,2-Dichloroethene

Concen: 10.130 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU026131.D

Acq: 15 Aug 2018 08:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD01061

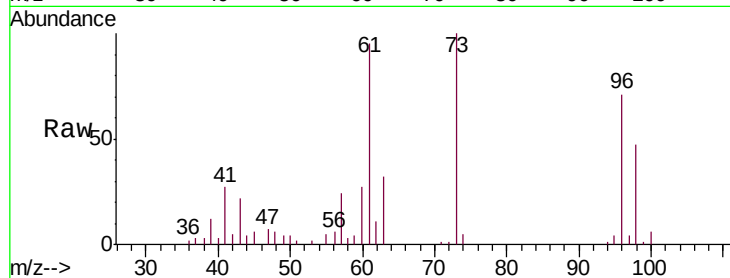
Tgt Ion: 96 Resp: 19115

Ion Ratio Lower Upper

96 100

61 133.9 96.7 179.5

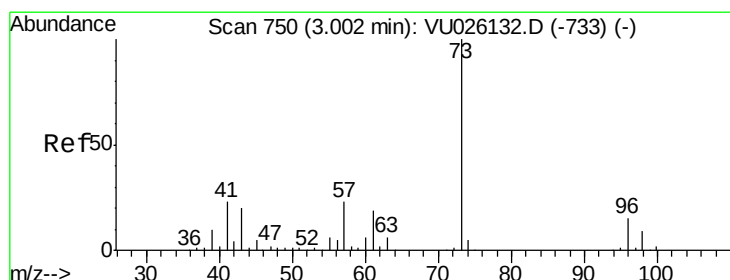
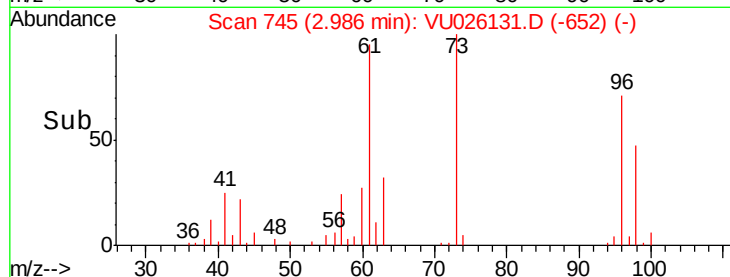
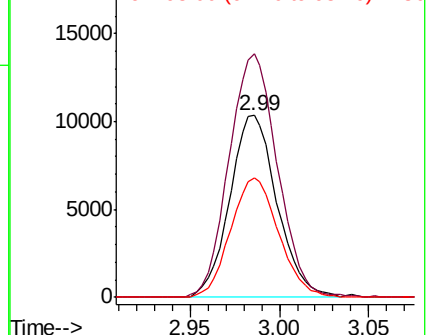
98 65.8 43.6 81.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 9.783 ug/L

RT: 3.00 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU026131.D

Acq: 15 Aug 2018 08:24

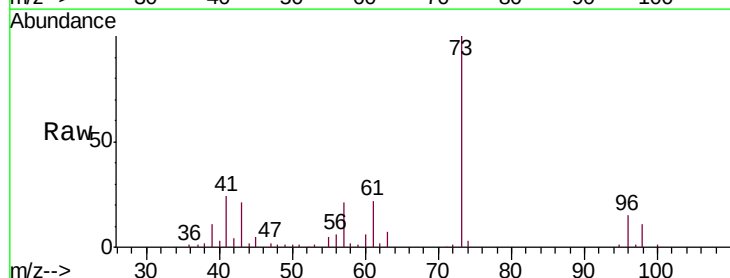
Tgt Ion: 73 Resp: 58601

Ion Ratio Lower Upper

73 100

43 21.7 16.2 24.4

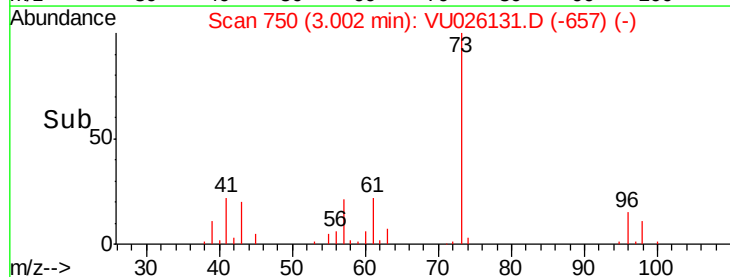
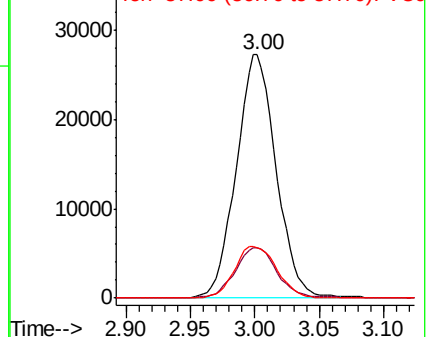
57 22.4 18.2 27.2

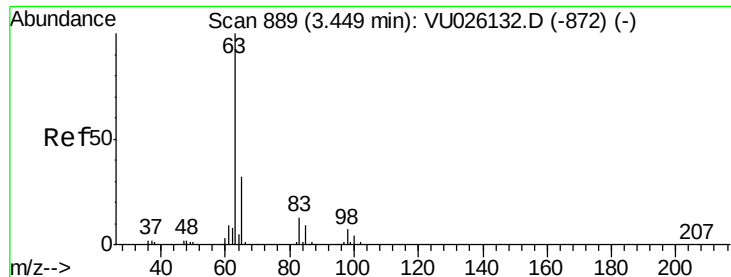


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

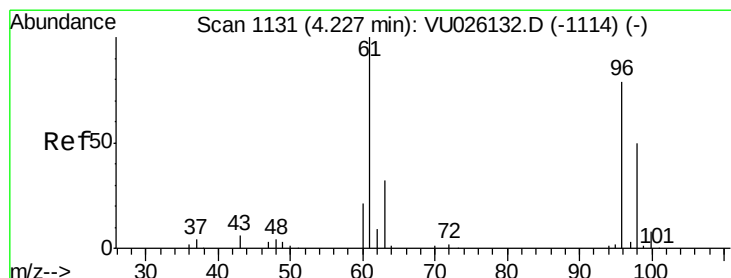
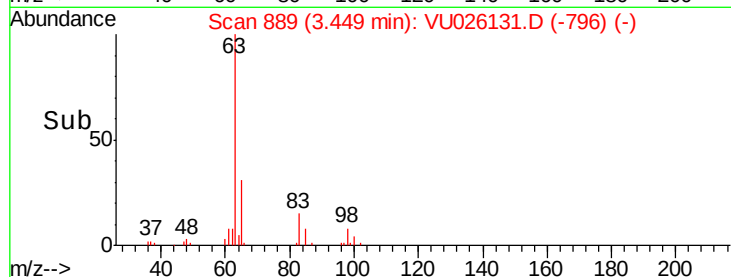
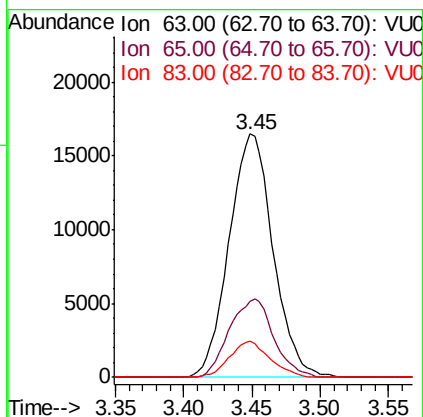
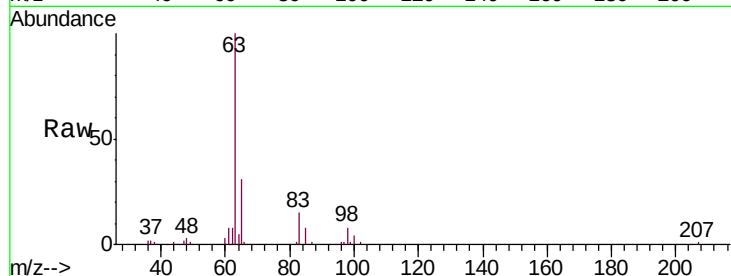




#19
 1,1-Dichloroethane
 Concen: 10.155 ug/L
 RT: 3.45 min Scan# 889
 Delta R.T. 0.00 min
 Lab File: VU026131.D
 Acq: 15 Aug 2018 08:24

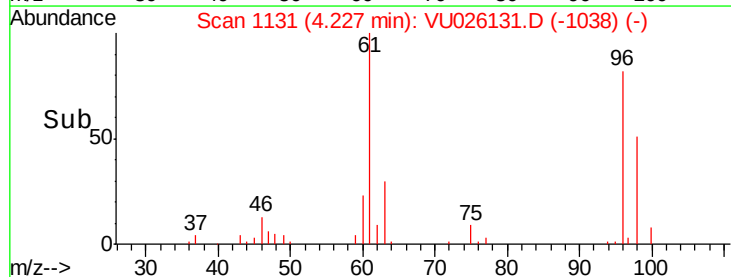
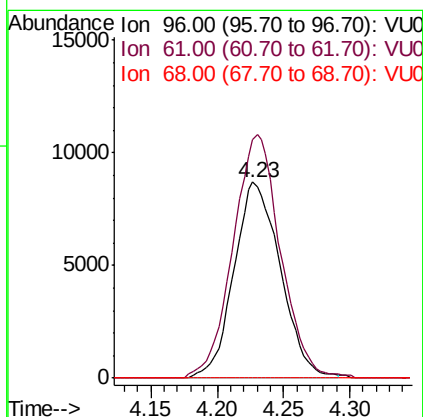
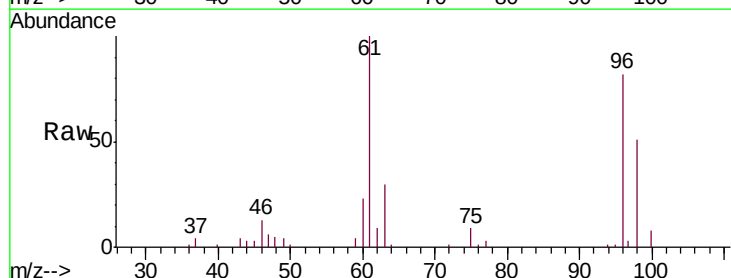
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01061

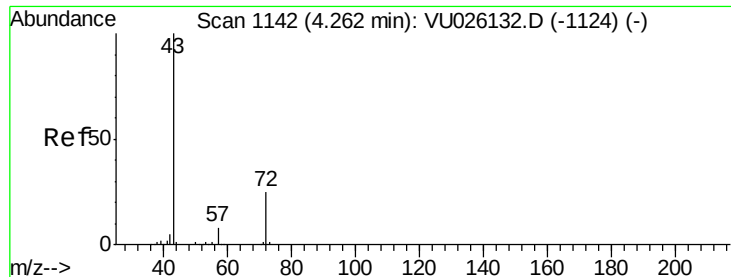
Tgt Ion: 63 Resp: 36892
 Ion Ratio Lower Upper
 63 100
 65 31.0 22.1 41.1
 83 14.7 9.4 17.4



#20
 cis-1,2-Dichloroethene
 Concen: 10.033 ug/L
 RT: 4.23 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: VU026131.D
 Acq: 15 Aug 2018 08:24

Tgt Ion: 96 Resp: 21226
 Ion Ratio Lower Upper
 96 100
 61 121.3 88.6 164.6
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 19.895 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU026131.D

Acq: 15 Aug 2018 08:24

Instrument :

MSVOA_U

ClientSampled :

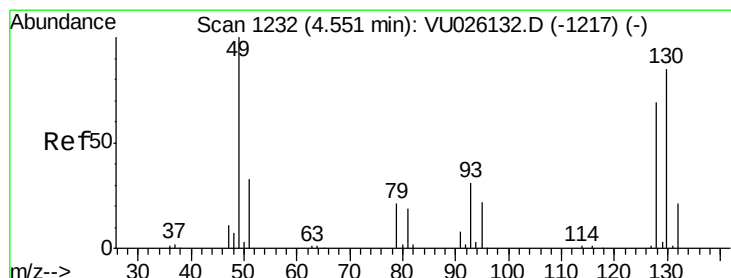
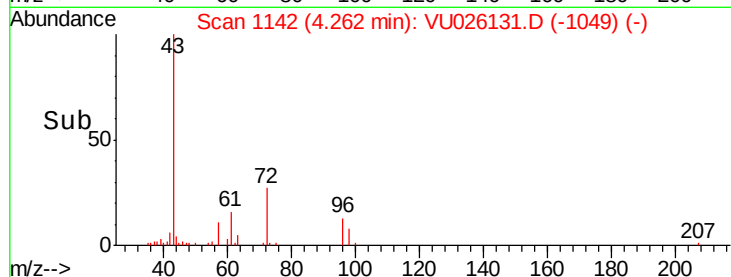
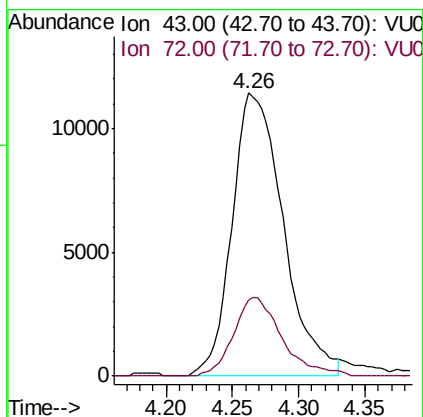
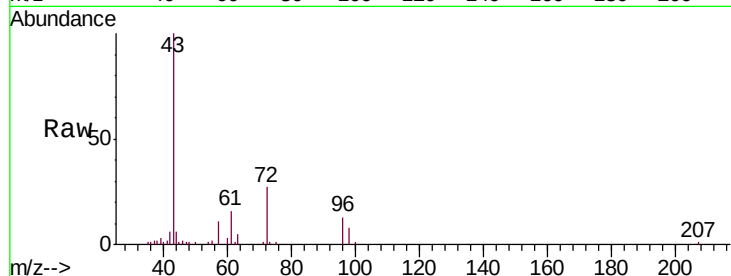
VSTD01061

Tgt Ion: 43 Resp: 30763

Ion Ratio Lower Upper

43 100

72 26.0 13.4 40.1



#23

Bromochloromethane

Concen: 9.885 ug/L

RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU026131.D

Acq: 15 Aug 2018 08:24

Tgt Ion: 128 Resp: 11305

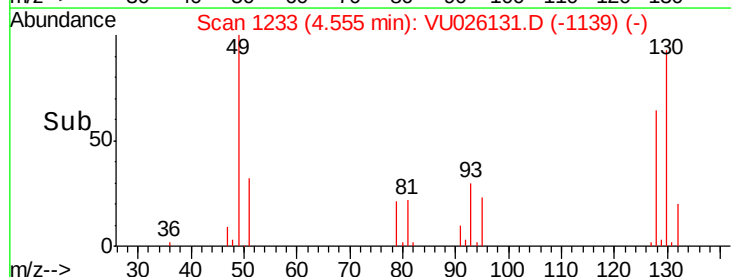
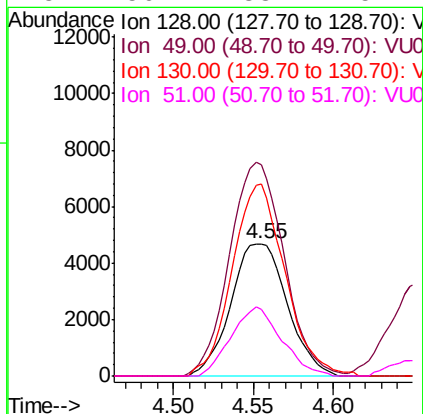
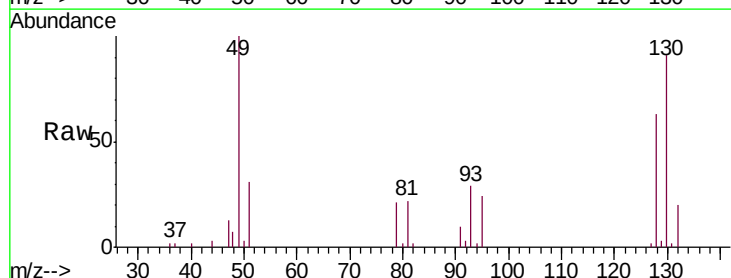
Ion Ratio Lower Upper

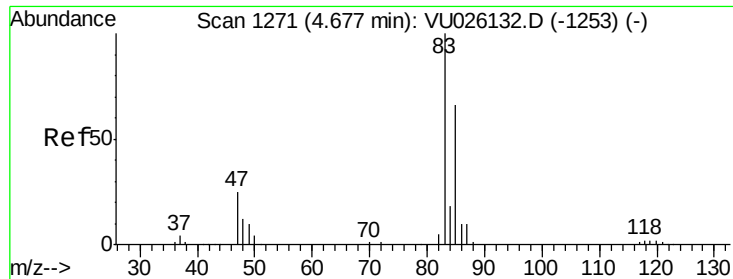
128 100

49 159.8 101.3 188.1

130 145.1 86.4 160.4

51 50.1 38.1 57.1

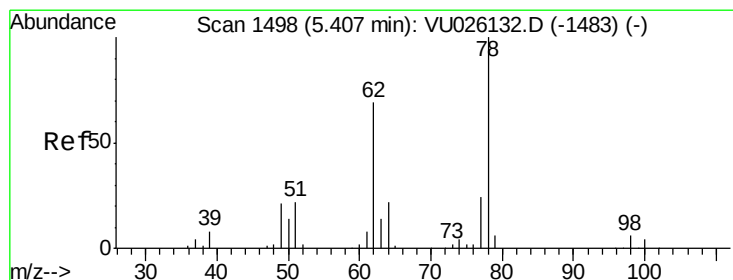
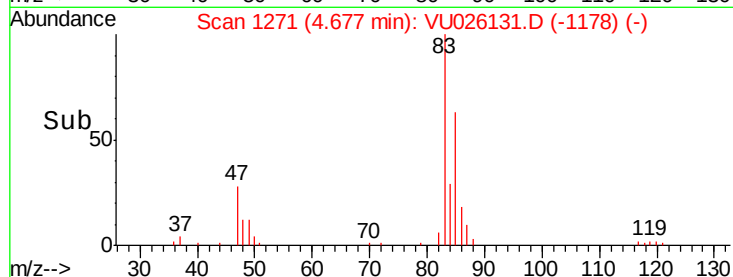
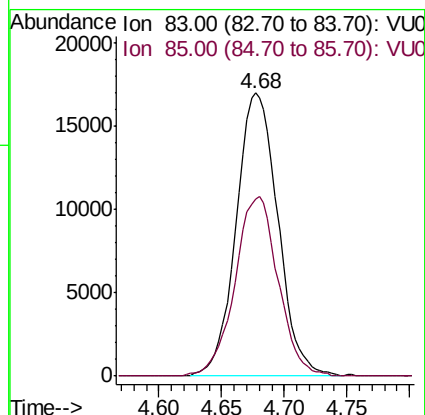
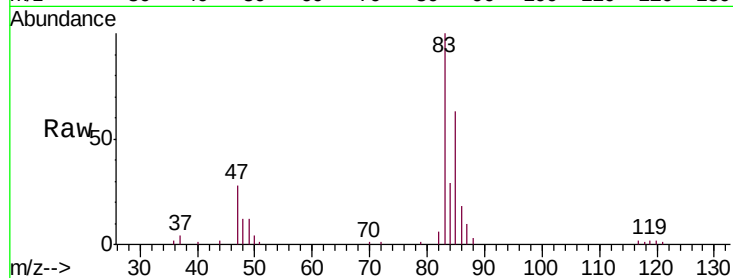




#25
Chloroform
Concen: 10.292 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU026131.D
Acq: 15 Aug 2018 08:24

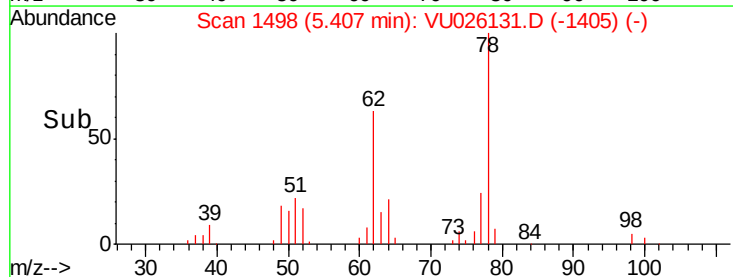
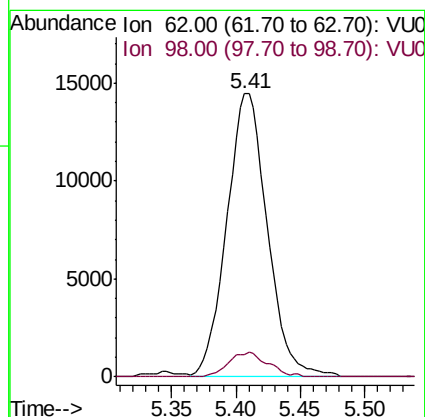
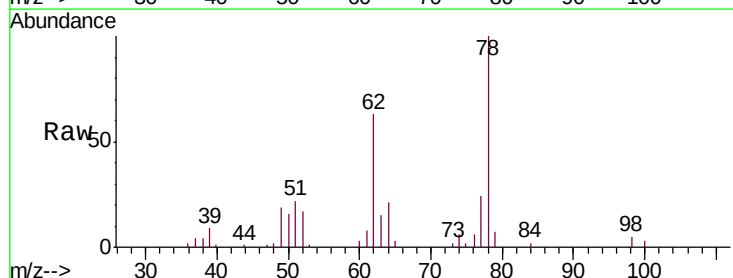
Instrument :
MSVOA_U
ClientSampleId :
VSTD01061

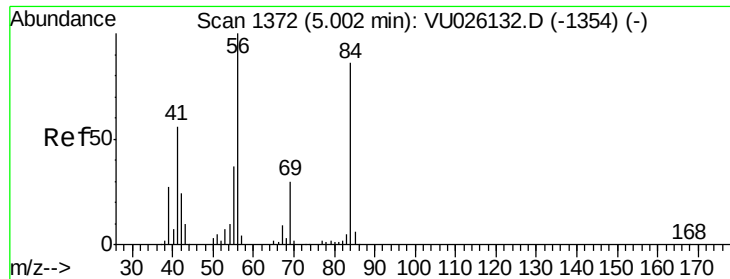
Tgt Ion: 83 Resp: 39253
Ion Ratio Lower Upper
83 100
85 62.7 46.3 86.1



#27
1,2-Dichloroethane
Concen: 10.272 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VU026131.D
Acq: 15 Aug 2018 08:24

Tgt Ion: 62 Resp: 31675
Ion Ratio Lower Upper
62 100
98 8.1 7.0 10.4

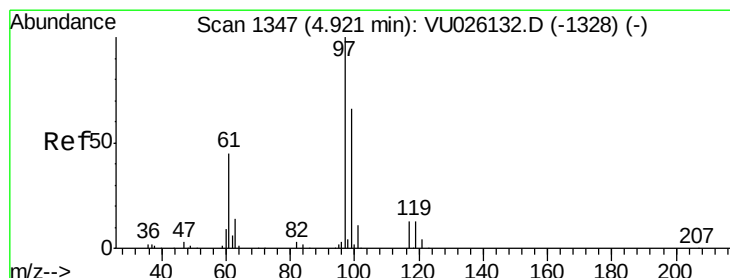
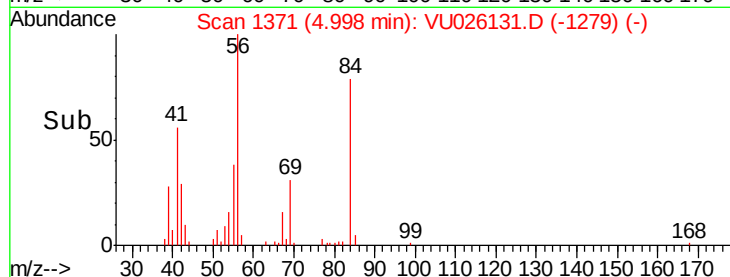
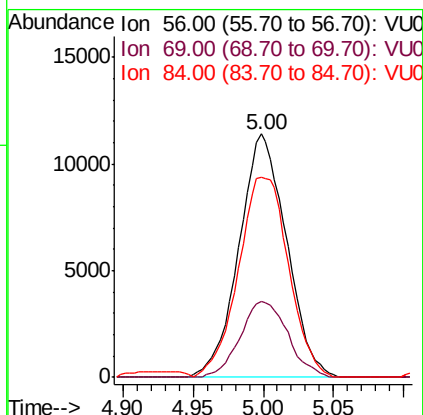
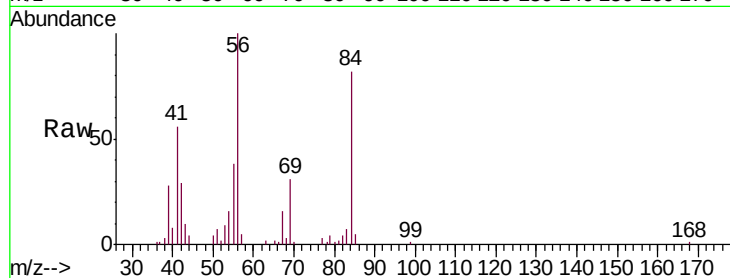




#29
Cyclohexane
Concen: 9.544 ug/L
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU026131.D
Acq: 15 Aug 2018 08:24

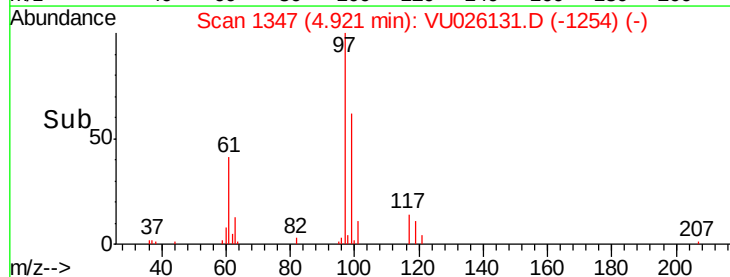
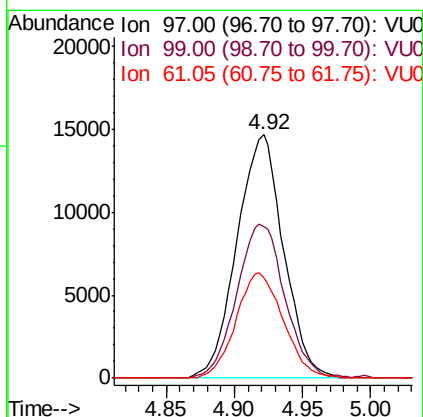
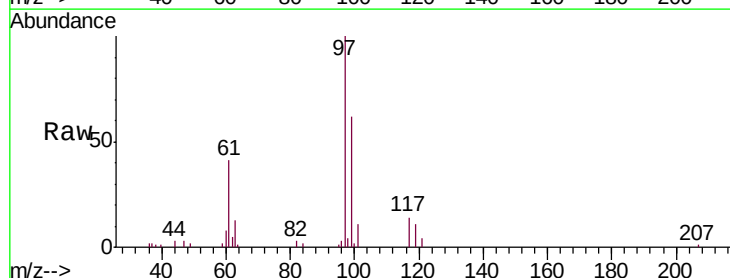
Instrument :
MSVOA_U
ClientSampleId :
VSTD01061

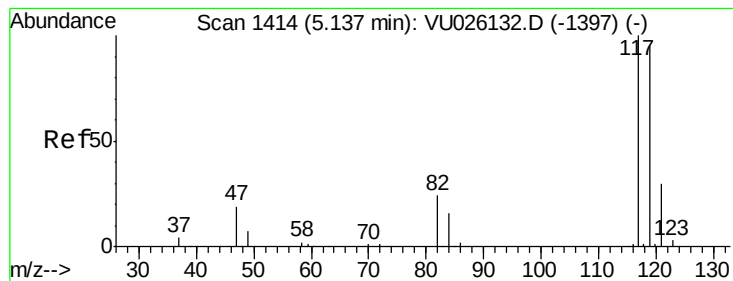
Tgt Ion: 56 Resp: 26830
Ion Ratio Lower Upper
56 100
69 31.3 24.1 36.1
84 87.1 68.6 102.8



#30
1,1,1-Trichloroethane
Concen: 10.361 ug/L
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU026131.D
Acq: 15 Aug 2018 08:24

Tgt Ion: 97 Resp: 34829
Ion Ratio Lower Upper
97 100
99 64.9 52.2 78.2
61 43.8 35.4 53.0





#31

Carbon tetrachloride

Concen: 10.488 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU026131.D

Acq: 15 Aug 2018 08:24

Instrument :

MSVOA_U

ClientSampleId :

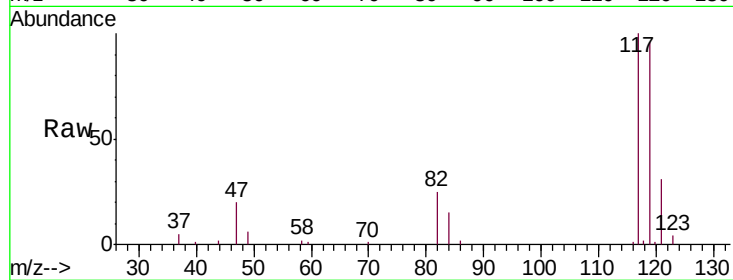
VSTD01061

Tgt Ion:117 Resp: 31941

Ion Ratio Lower Upper

117 100

119 96.9 77.4 116.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.14

15000

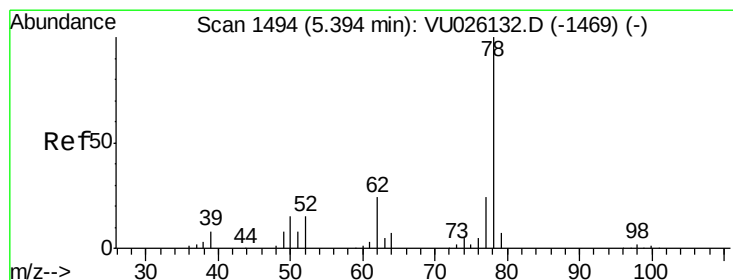
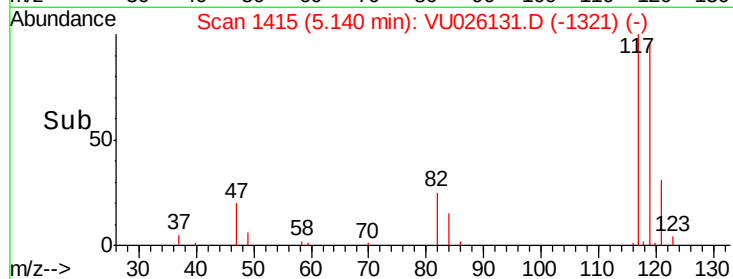
10000

5000

0

Time-->

5.05 5.10 5.15 5.20



#33

Benzene

Concen: 10.238 ug/L

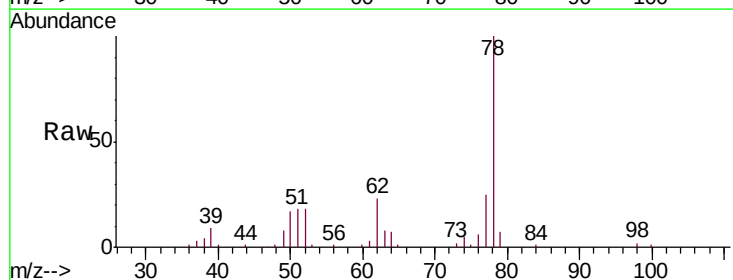
RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VU026131.D

Acq: 15 Aug 2018 08:24

Tgt Ion: 78 Resp: 77995



Abundance Ion 78.00 (77.70 to 78.70): VU0

5.39

40000

30000

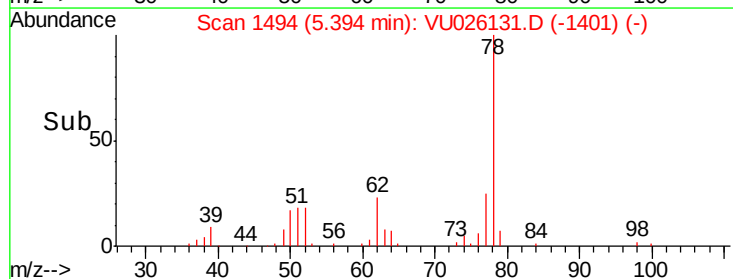
20000

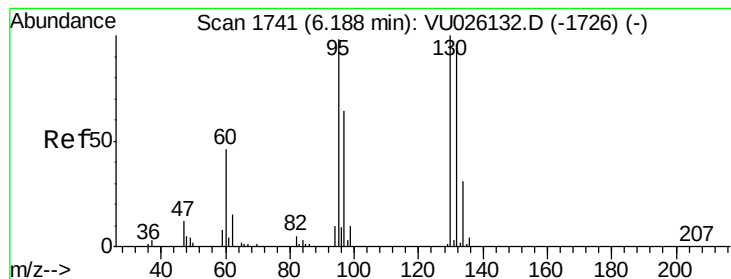
10000

0

Time-->

5.30 5.40 5.50





#34

Trichloroethene

Concen: 10.539 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU026131.D

Acq: 15 Aug 2018 08:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD01061

Tgt Ion: 95 Resp: 20916

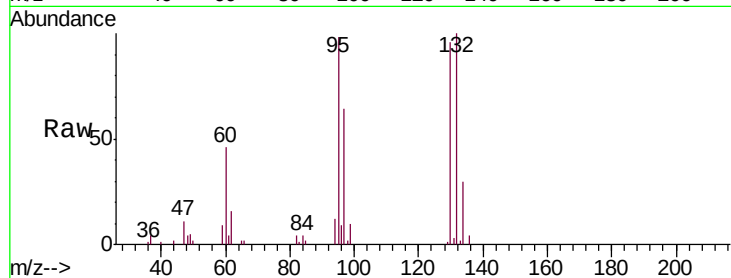
Ion Ratio Lower Upper

95 100

97 65.2 45.7 84.9

132 102.2 68.8 127.8

130 98.4 71.5 132.7

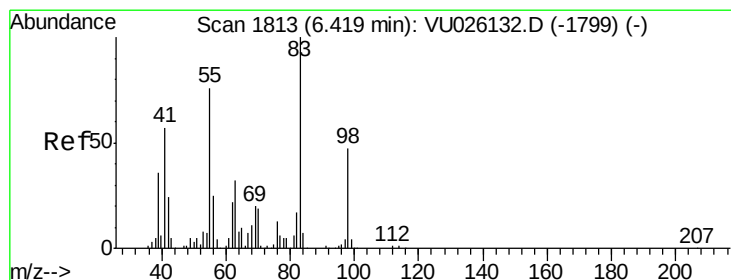
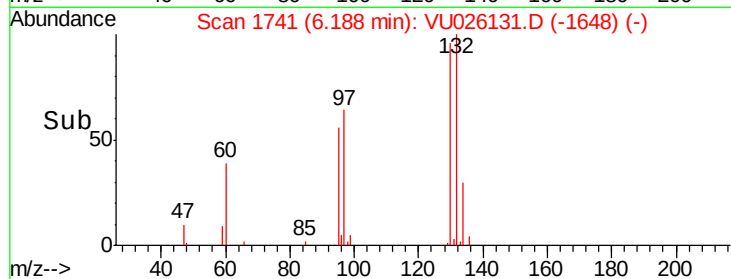
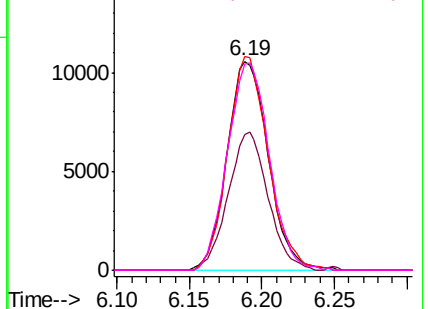


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 9.510 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VU026131.D

Acq: 15 Aug 2018 08:24

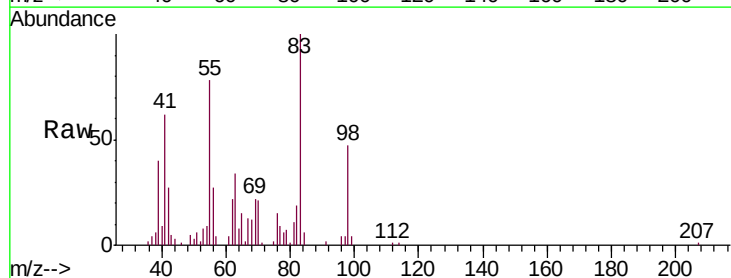
Tgt Ion: 83 Resp: 28331

Ion Ratio Lower Upper

83 100

55 79.7 61.0 91.6

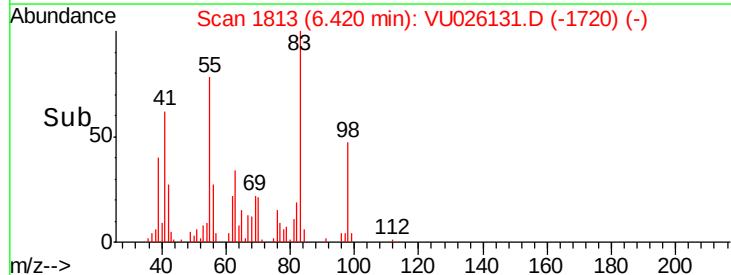
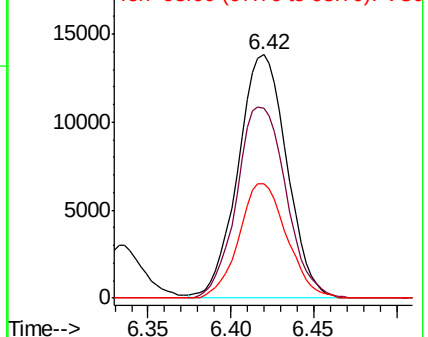
98 46.0 37.6 56.4

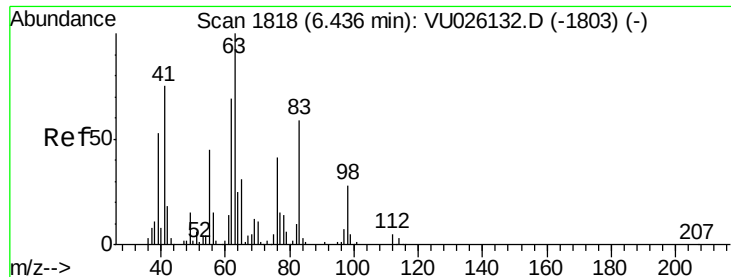


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

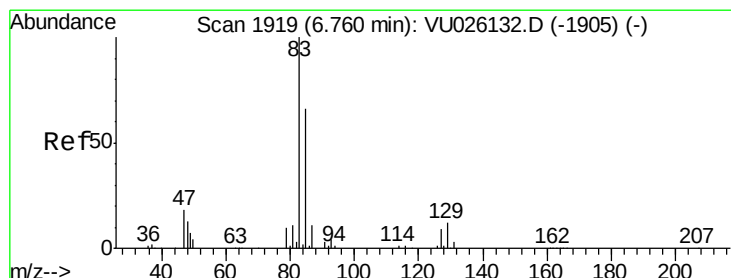
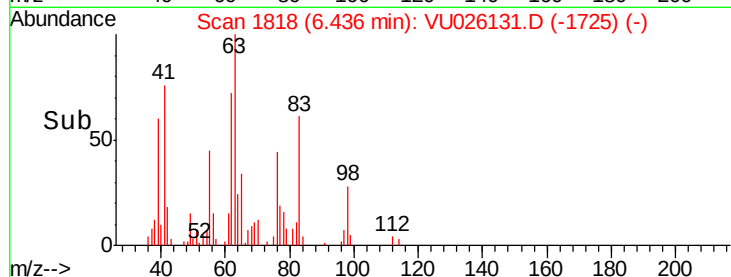
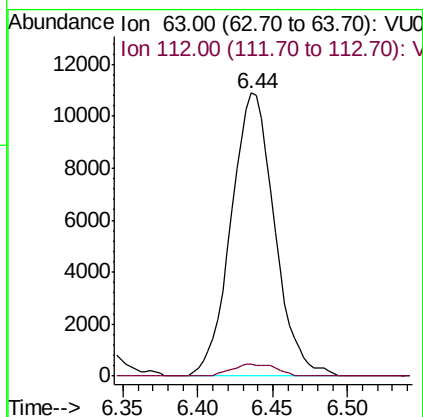
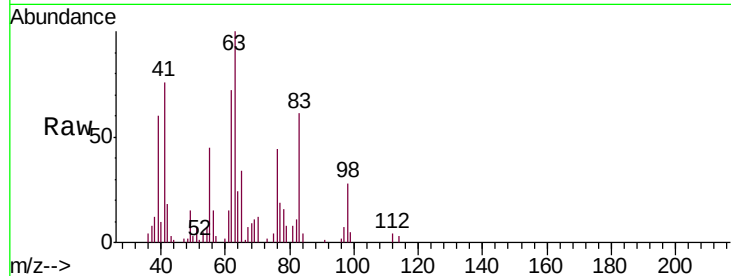




#37
 1,2-Dichloropropane
 Concen: 10.376 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU026131.D
 Acq: 15 Aug 2018 08:24

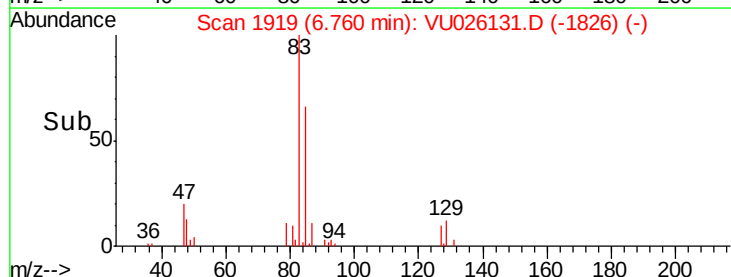
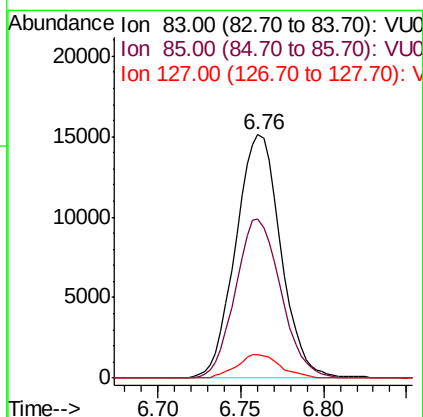
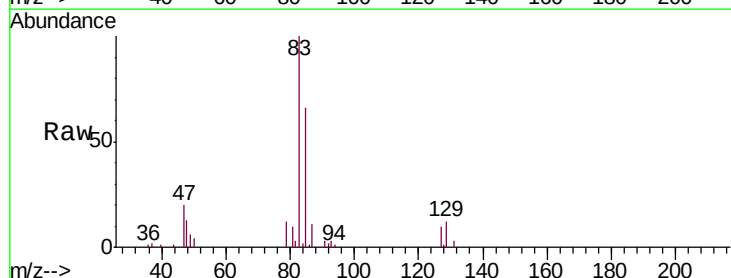
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01061

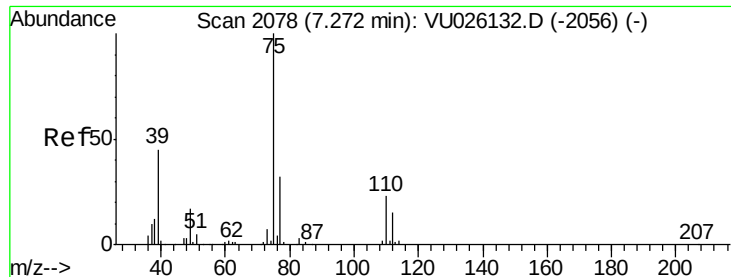
Tgt Ion: 63 Resp: 22075
 Ion Ratio Lower Upper
 63 100
 112 2.8 3.5 5.3#



#38
 Bromodichloromethane
 Concen: 10.145 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VU026131.D
 Acq: 15 Aug 2018 08:24

Tgt Ion: 83 Resp: 28579
 Ion Ratio Lower Upper
 83 100
 85 65.6 46.0 85.4
 127 9.7 7.5 11.3





#39

cis-1,3-Dichloropropene

Concen: 9.627 ug/L

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU026131.D

Acq: 15 Aug 2018 08:24

Instrument :

MSVOA_U

ClientSampleId :

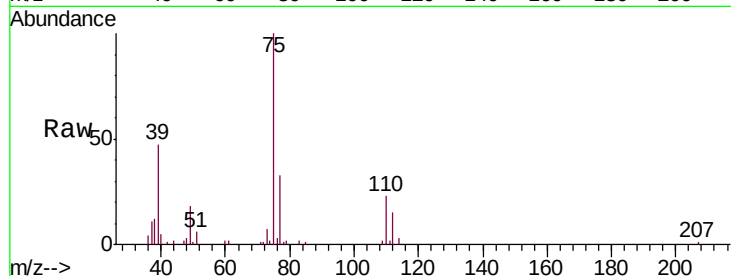
VSTD01061

Tgt Ion: 75 Resp: 30406

Ion Ratio Lower Upper

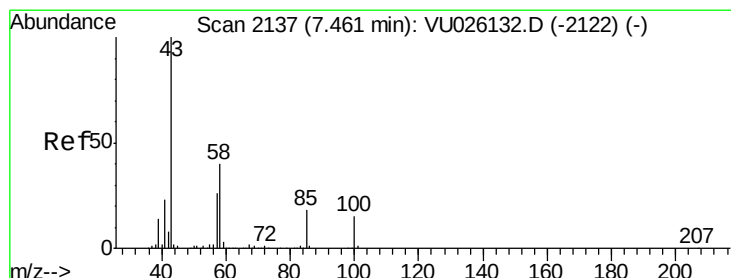
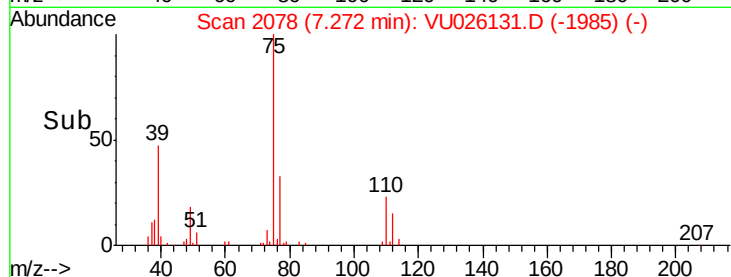
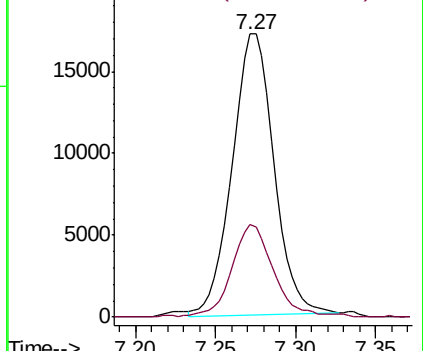
75 100

77 32.5 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#40

4-Methyl-2-pentanone

Concen: 19.334 ug/L

RT: 7.46 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU026131.D

Acq: 15 Aug 2018 08:24

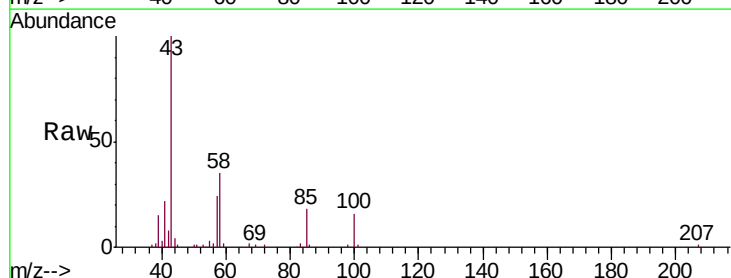
Tgt Ion: 43 Resp: 51027

Ion Ratio Lower Upper

43 100

58 36.5 31.8 47.8

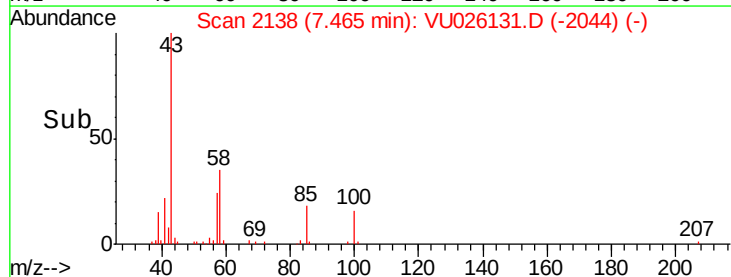
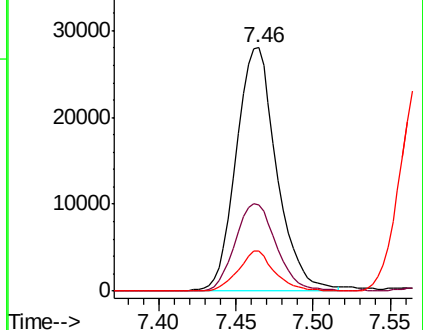
100 14.8 12.2 18.2

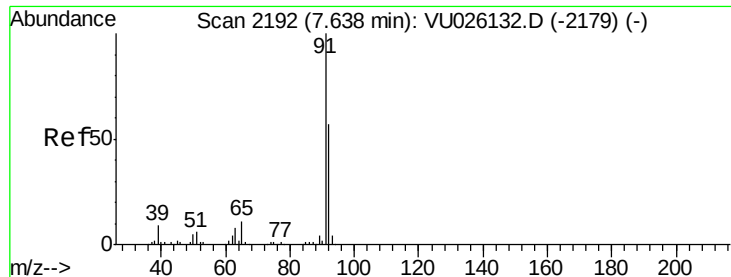


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#42

Toluene

Concen: 9.914 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU026131.D

Acq: 15 Aug 2018 08:24

Instrument :

MSVOA_U

ClientSampleId :

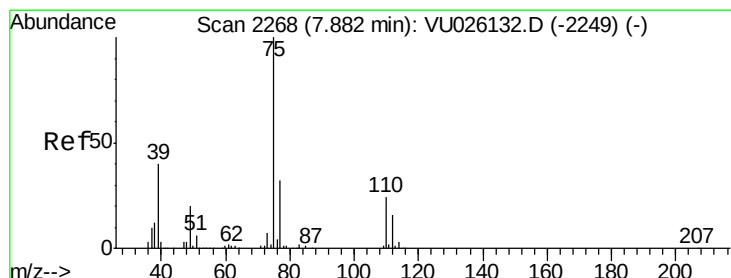
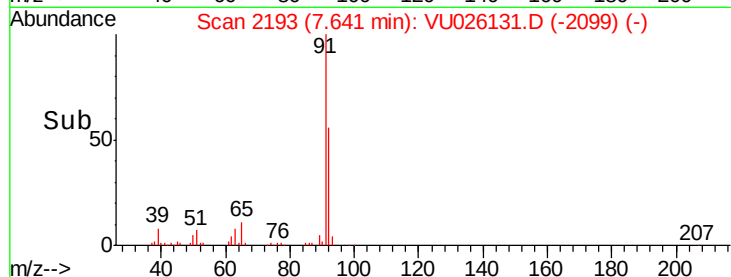
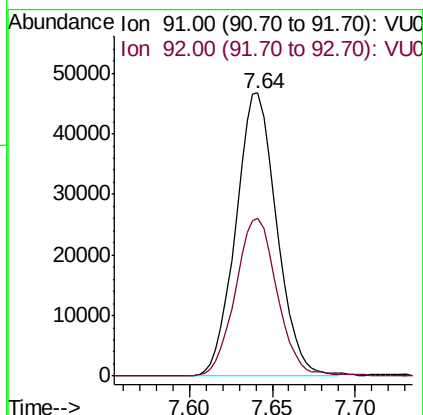
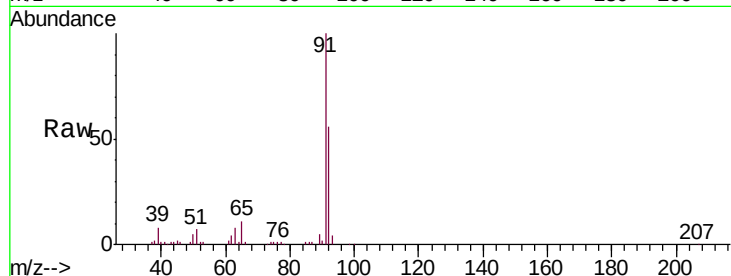
VSTD01061

Tgt Ion: 91 Resp: 80206

Ion Ratio Lower Upper

91 100

92 55.6 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 9.524 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU026131.D

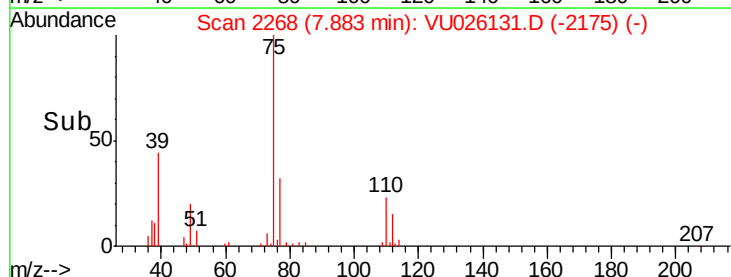
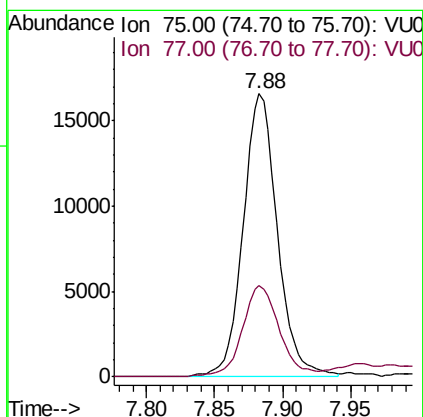
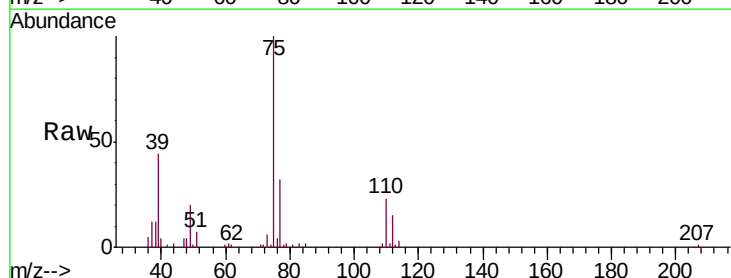
Acq: 15 Aug 2018 08:24

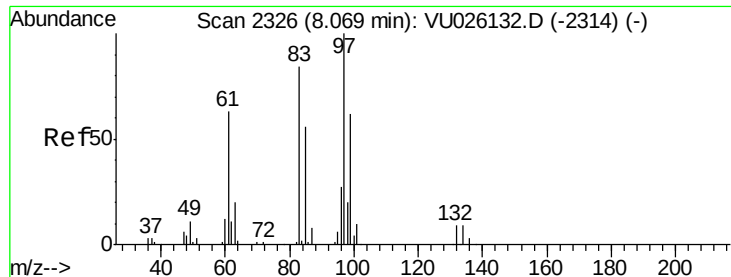
Tgt Ion: 75 Resp: 28983

Ion Ratio Lower Upper

75 100

77 32.1 22.0 41.0

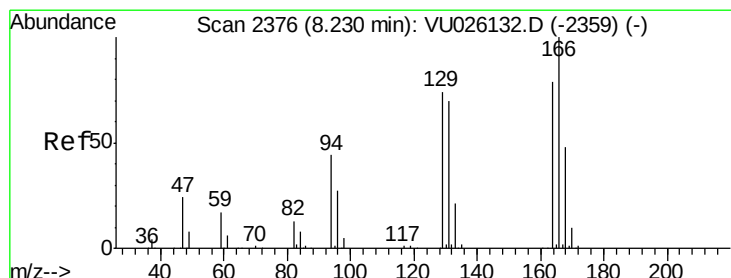
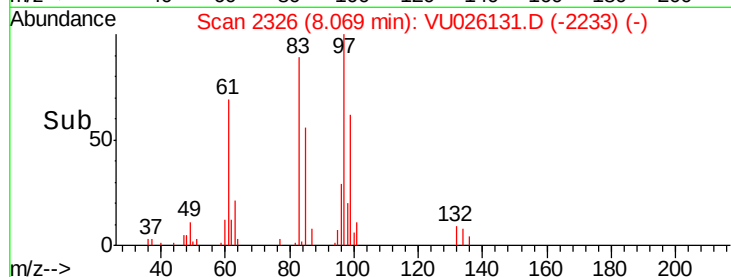
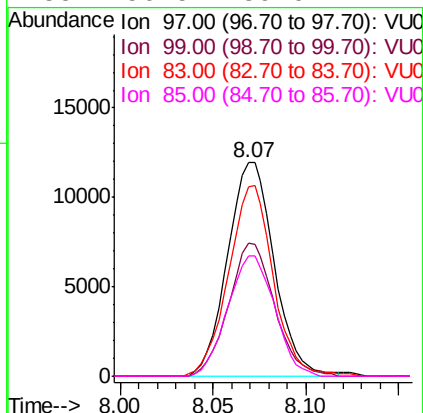
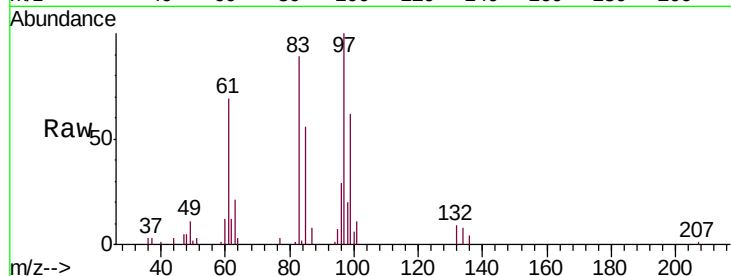




#45
 1,1,2-Trichloroethane
 Concen: 10.346 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU026131.D
 Acq: 15 Aug 2018 08:24

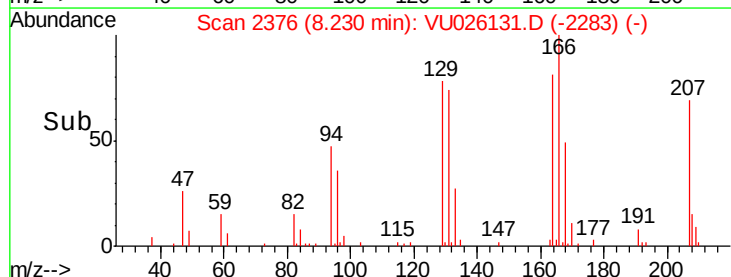
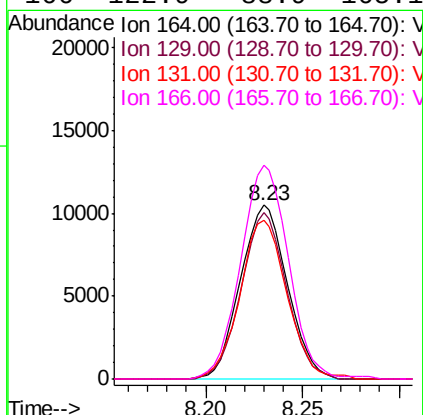
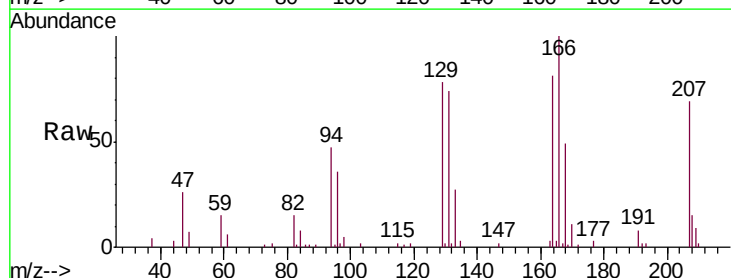
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01061

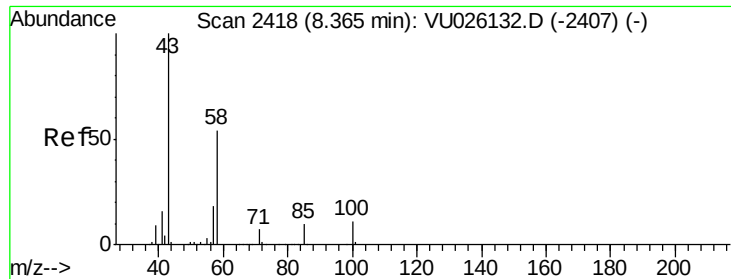
Tgt Ion:	97	Resp:	20870
Ion	Ratio	Lower	Upper
97	100		
99	62.0	43.3	80.5
83	88.9	58.4	108.6
85	56.5	39.0	72.4



#46
 Tetrachloroethene
 Concen: 10.356 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU026131.D
 Acq: 15 Aug 2018 08:24

Tgt Ion:	164	Resp:	17725
Ion	Ratio	Lower	Upper
164	100		
129	95.9	65.7	121.9
131	91.5	62.0	115.2
166	122.9	88.9	165.1

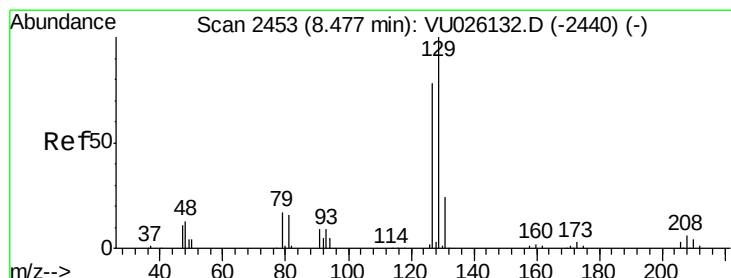
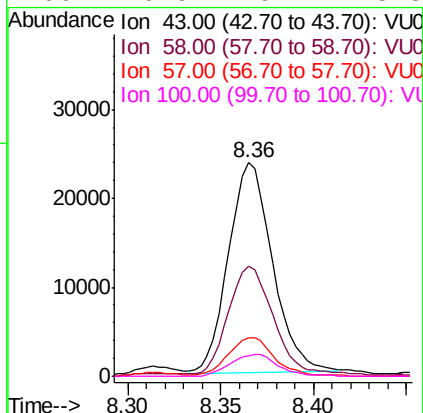
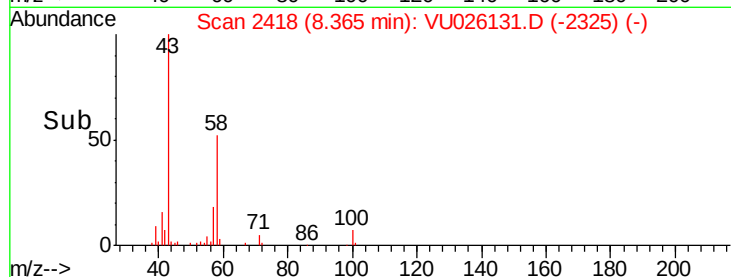
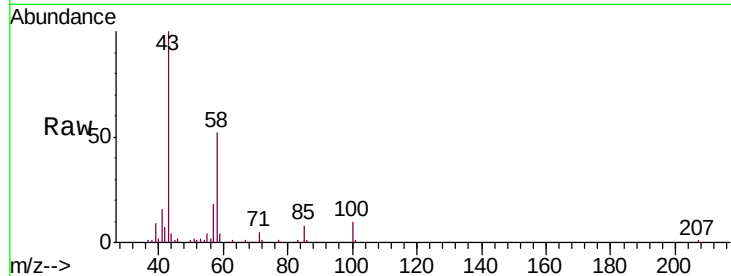




#48
2-Hexanone
Concen: 18.936 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU026131.D
Acq: 15 Aug 2018 08:24

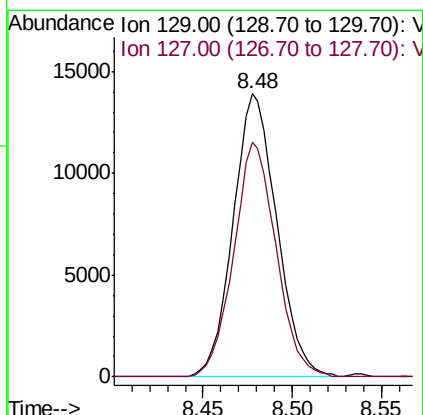
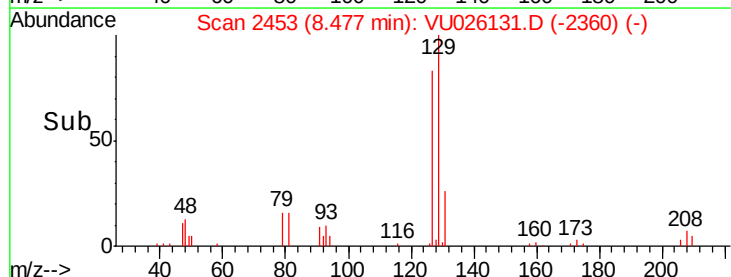
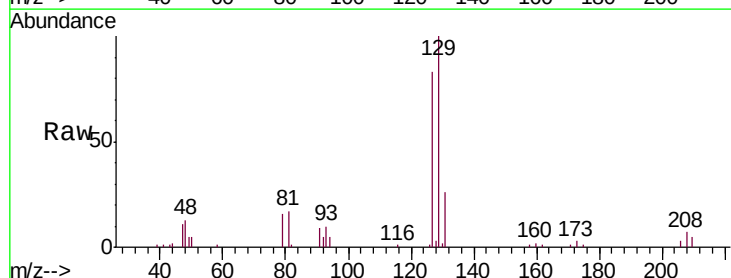
Instrument :
MSVOA_U
ClientSampleId :
VSTD01061

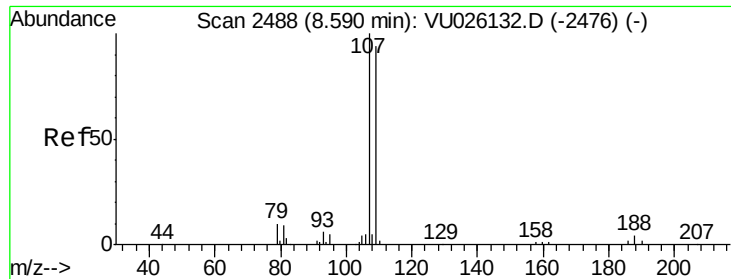
Tgt Ion:	43	Resp:	39158
Ion	Ratio	Lower	Upper
43	100		
58	55.4	42.9	64.3
57	19.4	15.1	22.7
100	10.9	9.2	13.8



#49
Dibromochloromethane
Concen: 9.721 ug/L
RT: 8.48 min Scan# 2453
Delta R.T. 0.00 min
Lab File: VU026131.D
Acq: 15 Aug 2018 08:24

Tgt Ion:	129	Resp:	23618
Ion	Ratio	Lower	Upper
129	100		
127	83.0	54.6	101.4

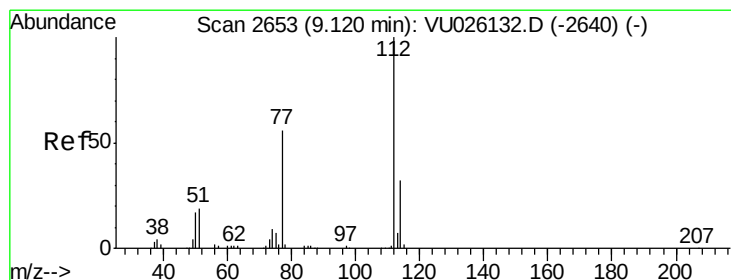
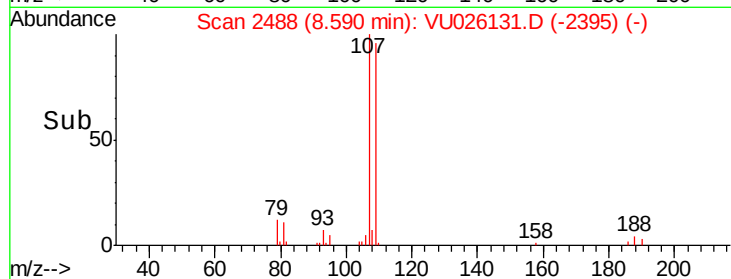
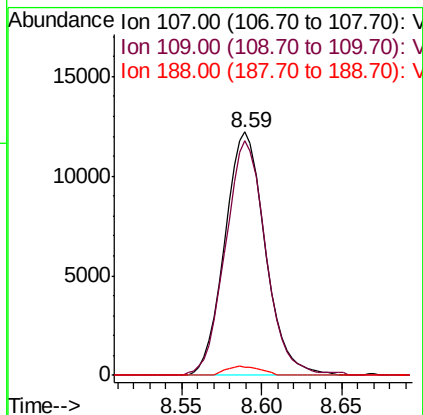
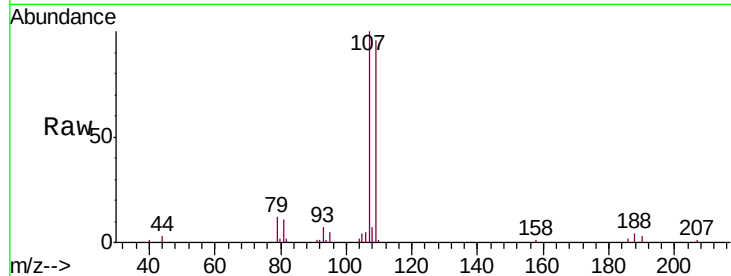




#50
 1,2-Dibromoethane
 Concen: 10.071 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU026131.D
 Acq: 15 Aug 2018 08:24

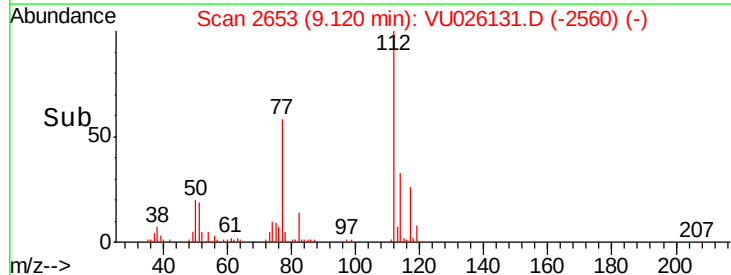
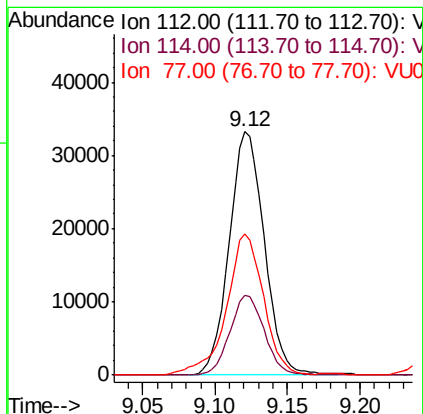
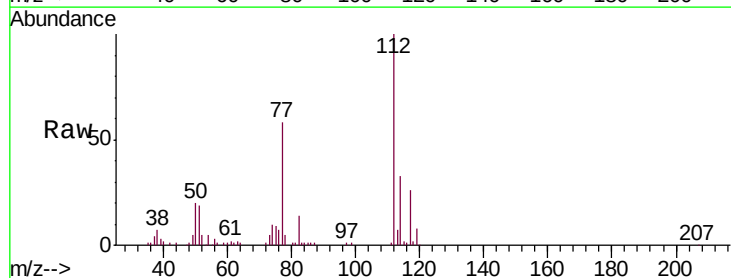
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01061

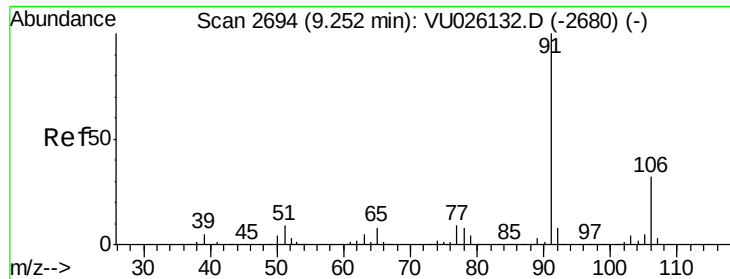
Tgt Ion:107 Resp: 21096
 Ion Ratio Lower Upper
 107 100
 109 96.2 66.1 122.7
 188 3.5 3.2 4.8



#51
 Chlorobenzene
 Concen: 10.124 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. 0.00 min
 Lab File: VU026131.D
 Acq: 15 Aug 2018 08:24

Tgt Ion:112 Resp: 55977
 Ion Ratio Lower Upper
 112 100
 114 33.0 22.5 41.9
 77 58.2 45.0 67.4





#52

Ethylbenzene

Concen: 9.517 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU026131.D

Acq: 15 Aug 2018 08:24

Instrument :

MSVOA_U

ClientSampleId :

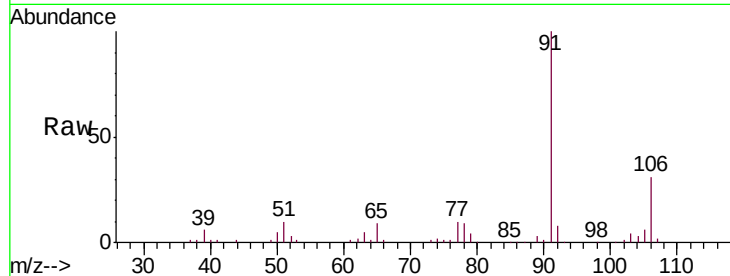
VSTD01061

Tgt Ion: 91 Resp: 83874

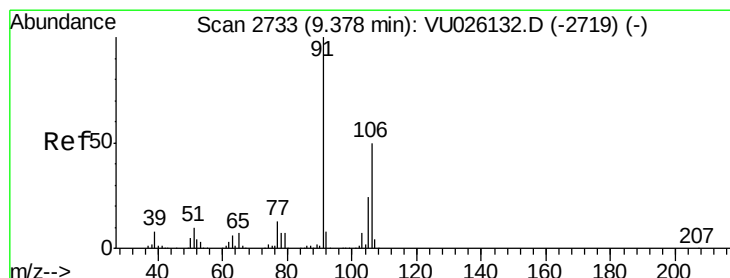
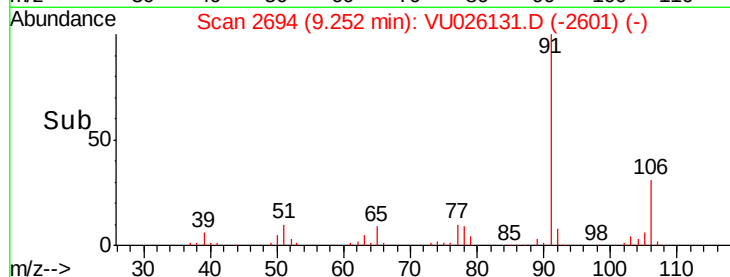
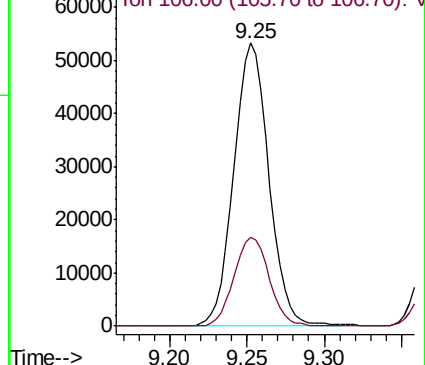
Ion Ratio Lower Upper

91 100

106 31.4 22.3 41.5



Abundance Ion 91.00 (90.70 to 91.70): VU026131.D (-2601) (-)



#53

m,p-Xylene

Concen: 9.359 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026131.D

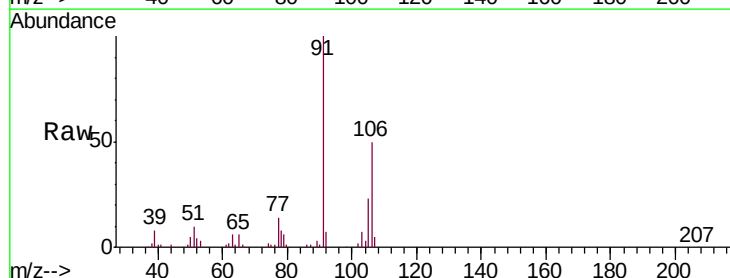
Acq: 15 Aug 2018 08:24

Tgt Ion: 106 Resp: 31786

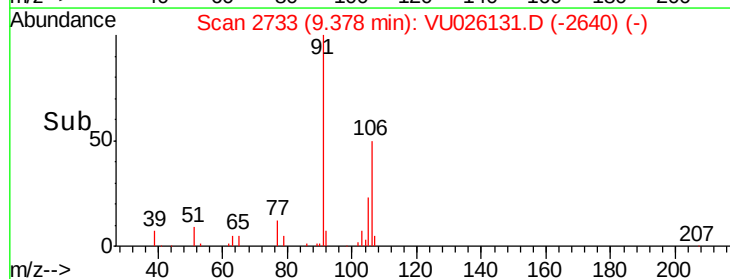
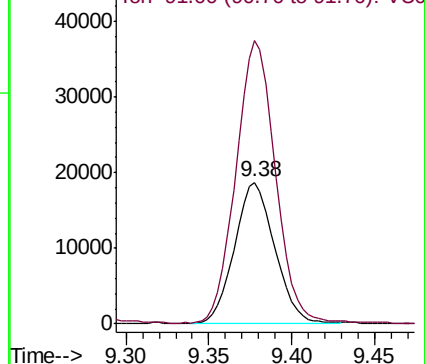
Ion Ratio Lower Upper

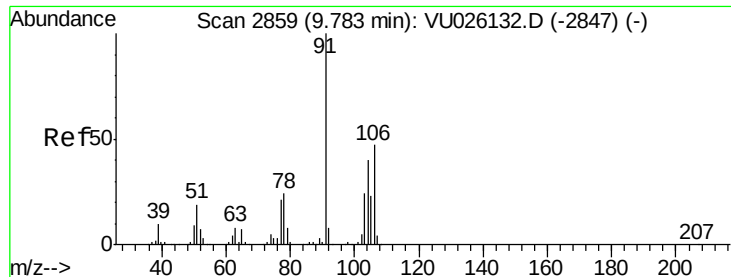
106 100

91 199.5 139.2 258.4



Abundance Ion 106.00 (105.70 to 106.70): VU026131.D (-2640) (-)





#54

o-xylene

Concen: 9.396 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU026131.D

Acq: 15 Aug 2018 08:24

Instrument :

MSVOA_U

ClientSampleId :

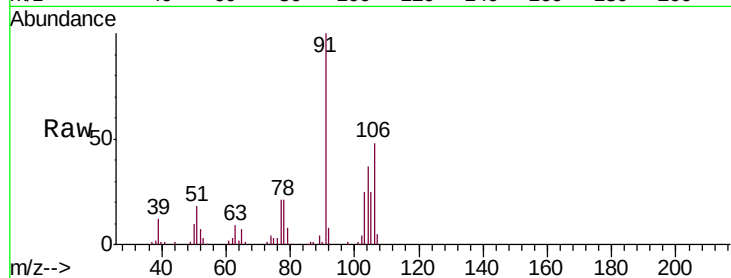
VSTD01061

Tgt Ion:106 Resp: 31842

Ion Ratio Lower Upper

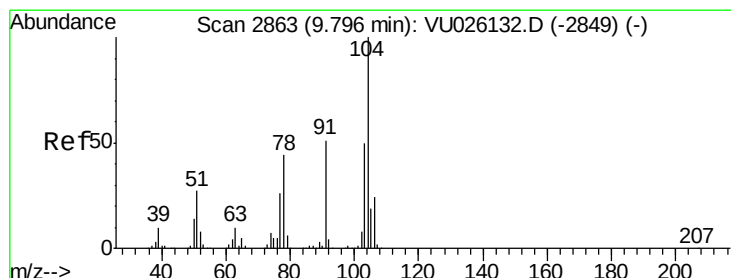
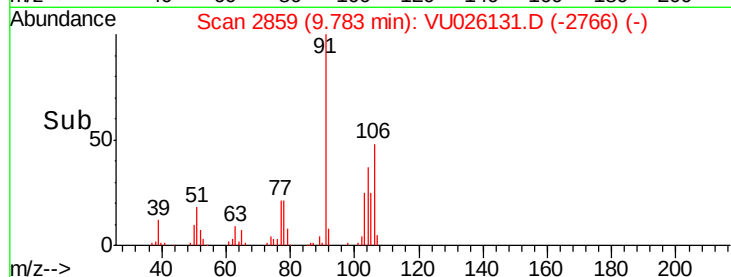
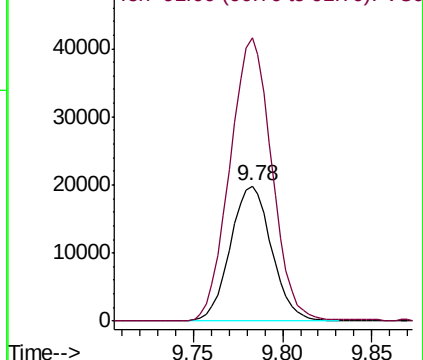
106 100

91 208.9 148.0 274.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 9.148 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU026131.D

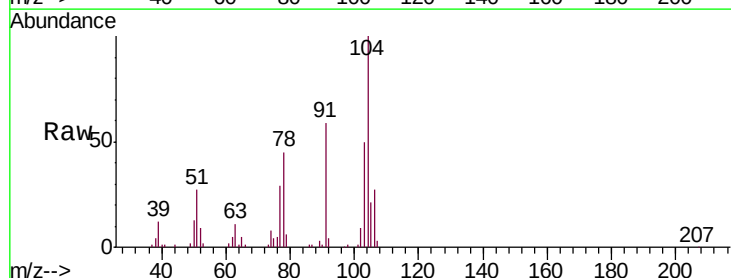
Acq: 15 Aug 2018 08:24

Tgt Ion:104 Resp: 51617

Ion Ratio Lower Upper

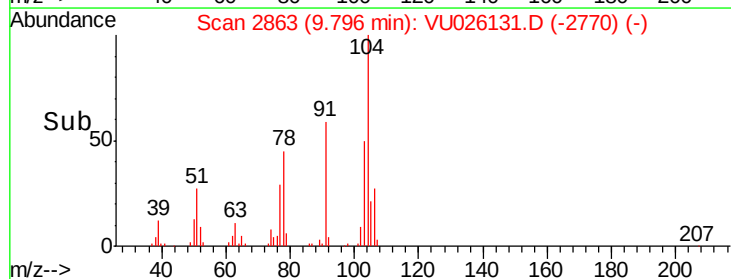
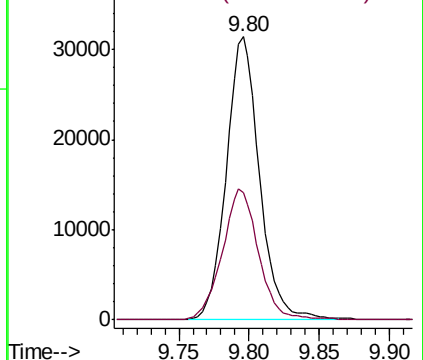
104 100

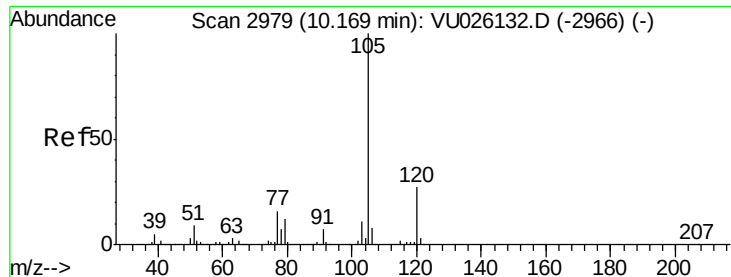
78 44.8 30.9 57.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 9.221 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU026131.D

Acq: 15 Aug 2018 08:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD01061

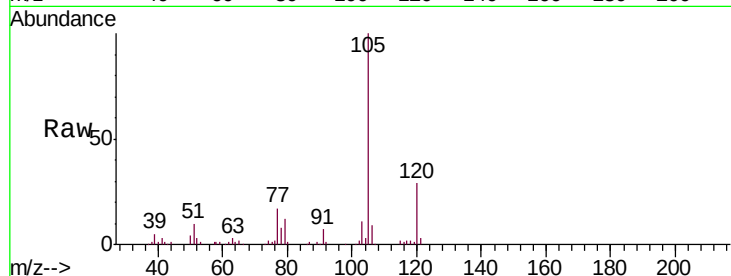
Tgt Ion:105 Resp: 80223

Ion Ratio Lower Upper

105 100

120 28.2 21.5 32.3

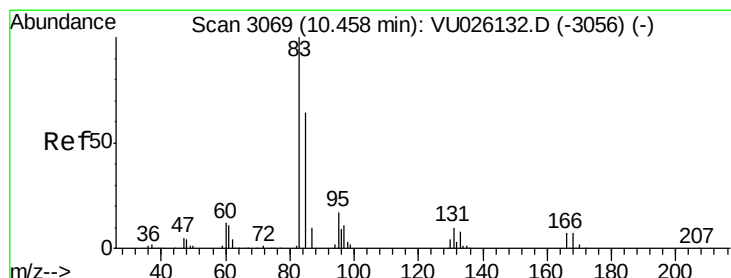
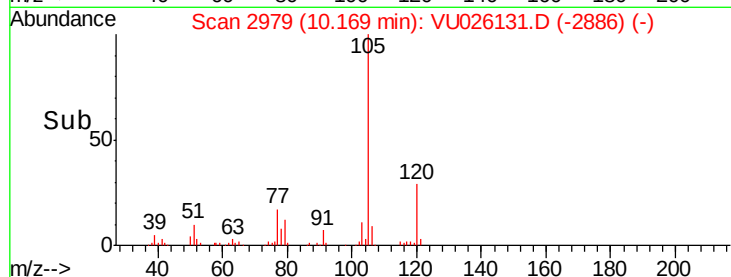
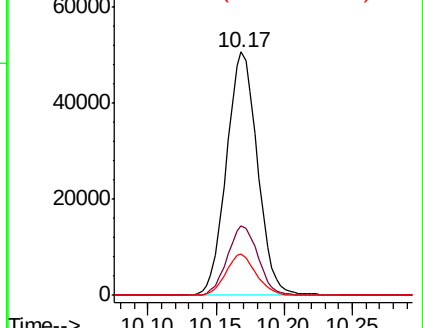
77 16.3 12.3 18.5



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: 9.860 ug/L

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU026131.D

Acq: 15 Aug 2018 08:24

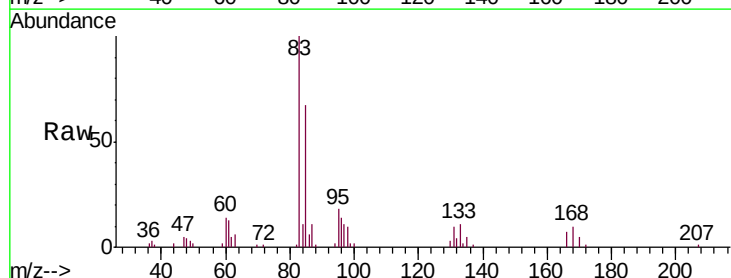
Tgt Ion: 83 Resp: 33217

Ion Ratio Lower Upper

83 100

85 67.1 45.0 83.6

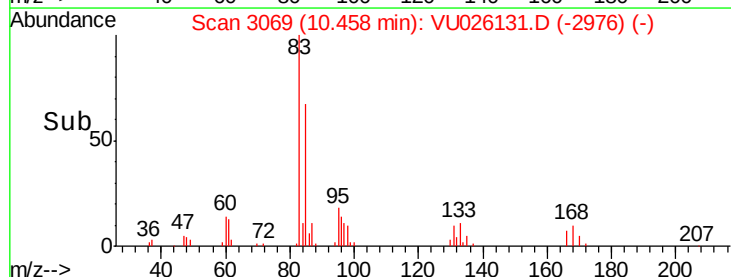
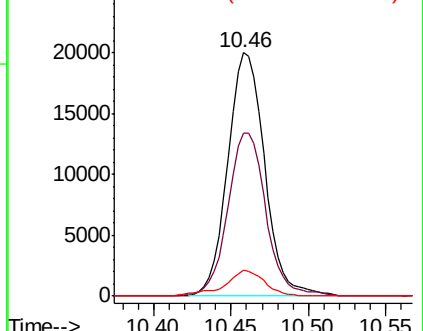
131 10.5 8.4 12.6

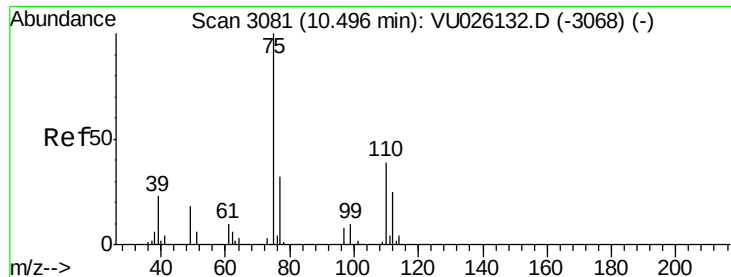


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 9.928 ug/L

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU026131.D

Acq: 15 Aug 2018 08:24

Instrument :

MSVOA_U

ClientSampleId :

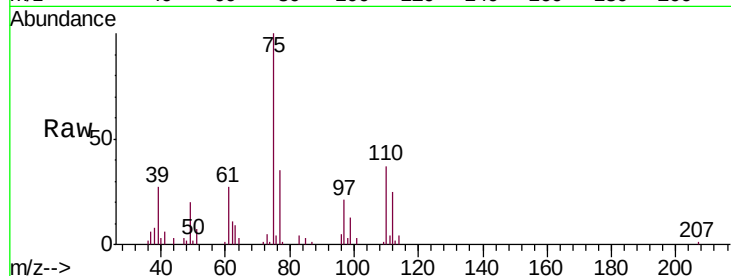
VSTD01061

Tgt Ion: 75 Resp: 26022

Ion Ratio Lower Upper

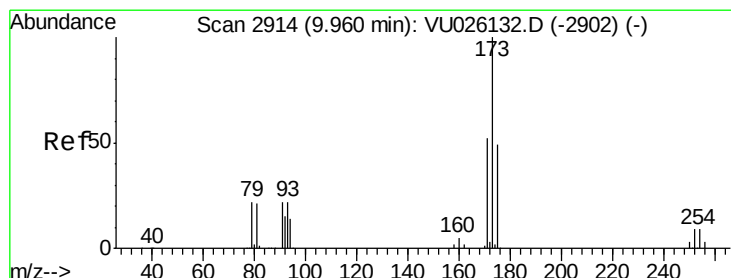
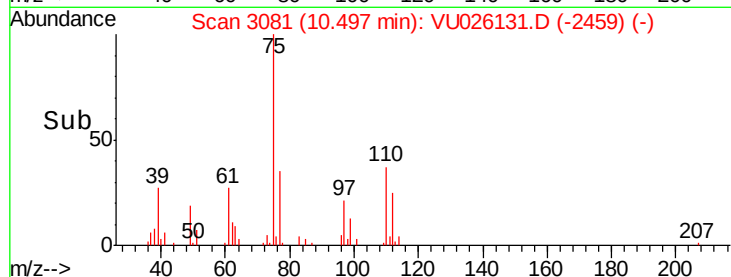
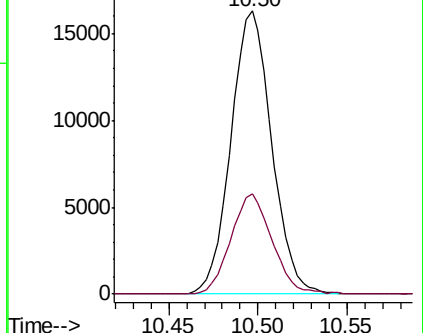
75 100

77 35.8 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VU026132.D (-3068) (-)

Ion 77.00 (76.70 to 77.70): VU026132.D (-3068) (-)



#61

Bromoform

Concen: 10.728 ug/L

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU026131.D

Acq: 15 Aug 2018 08:24

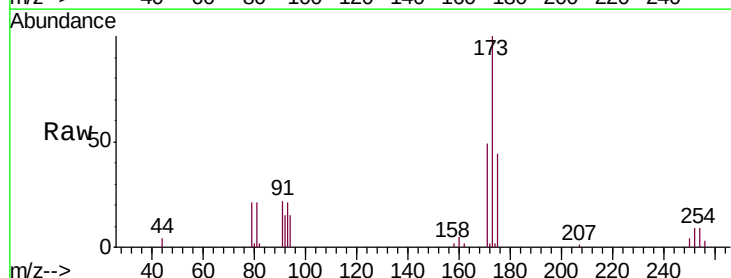
Tgt Ion: 173 Resp: 17851

Ion Ratio Lower Upper

173 100

175 48.0 38.8 58.2

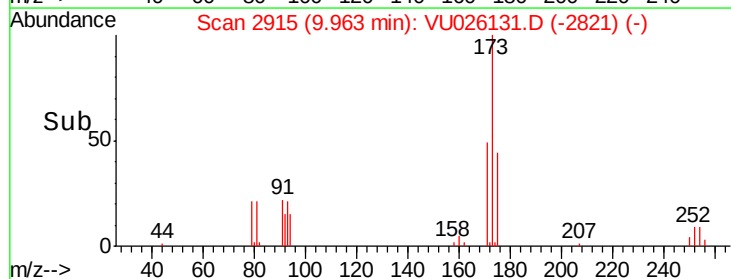
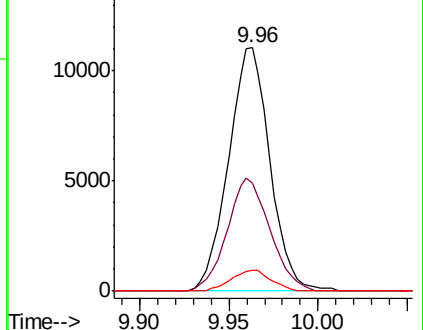
254 8.2 7.3 10.9

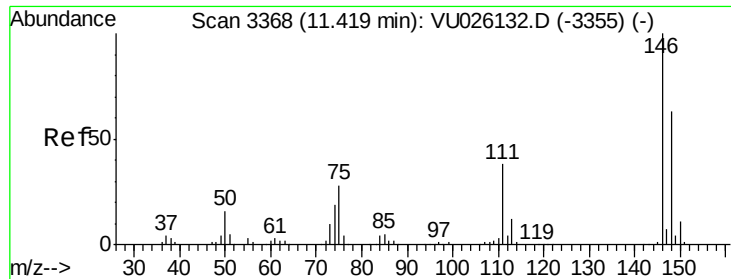


Abundance Ion 173.00 (172.70 to 173.70): VU026132.D (-2902) (-)

Ion 175.00 (174.70 to 175.70): VU026132.D (-2902) (-)

Ion 254.00 (253.70 to 254.70): VU026132.D (-2902) (-)





#62

1,3-Dichlorobenzene

Concen: 10.249 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU026131.D

Acq: 15 Aug 2018 08:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD01061

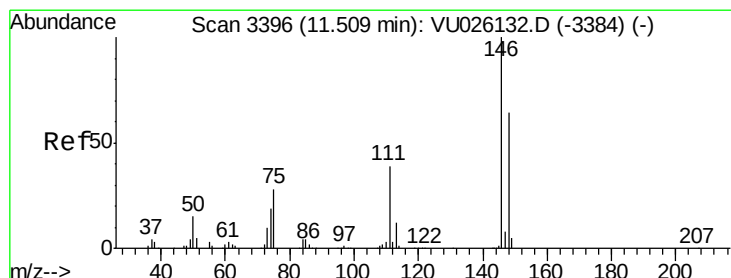
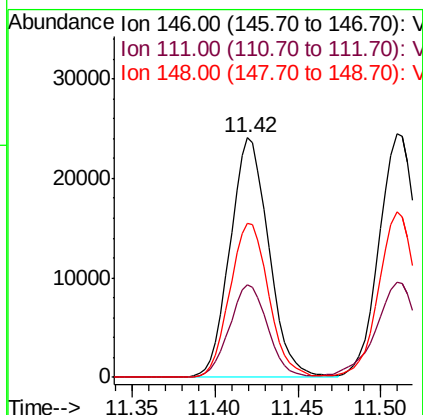
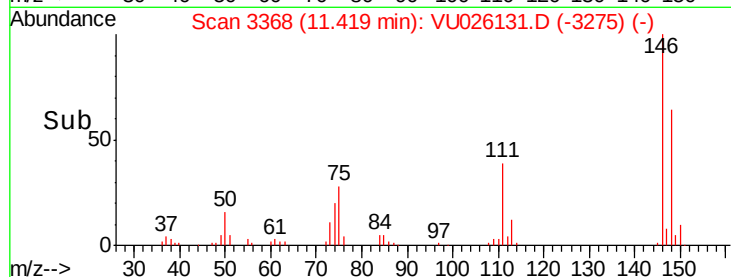
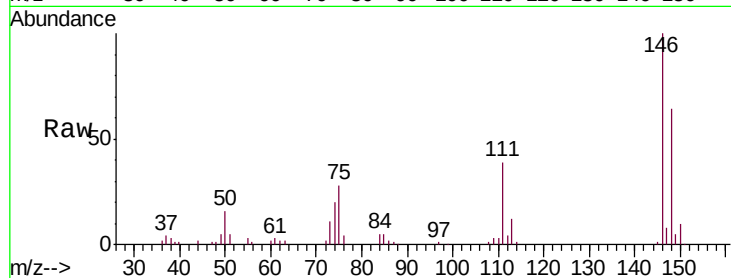
Tgt Ion:146 Resp: 39088

Ion Ratio Lower Upper

146 100

111 38.8 26.7 49.7

148 64.1 44.1 81.9



#63

1,4-Dichlorobenzene

Concen: 10.233 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU026131.D

Acq: 15 Aug 2018 08:24

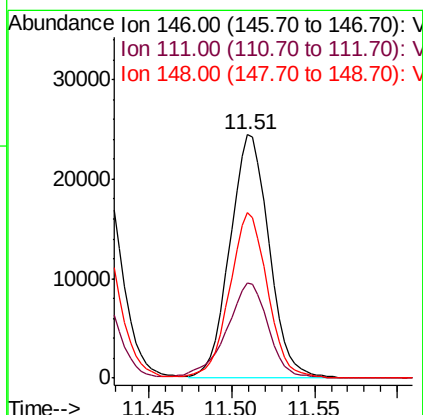
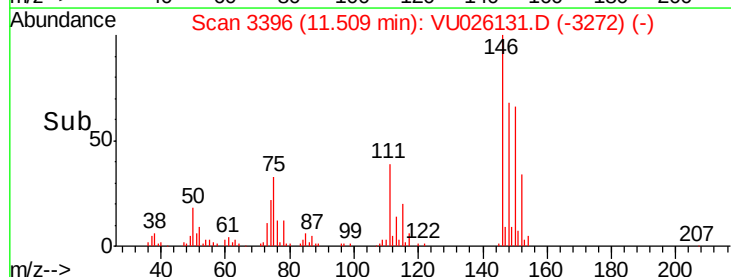
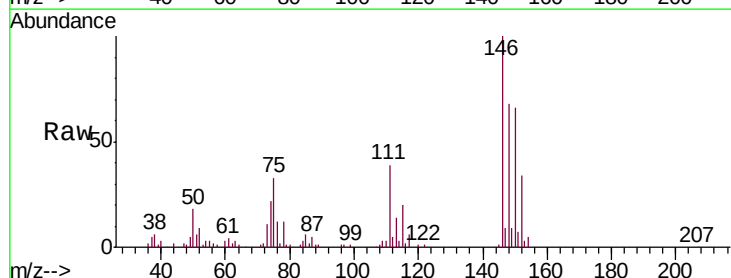
Tgt Ion:146 Resp: 40247

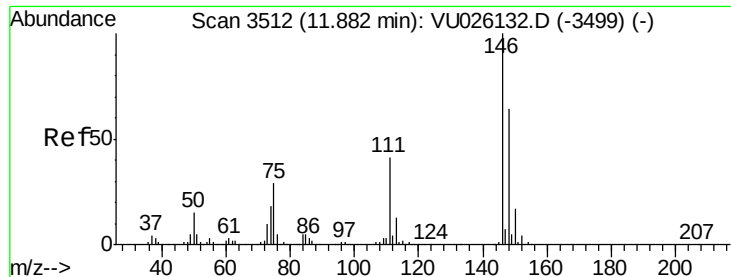
Ion Ratio Lower Upper

146 100

111 39.0 27.5 51.1

148 67.9 44.8 83.2

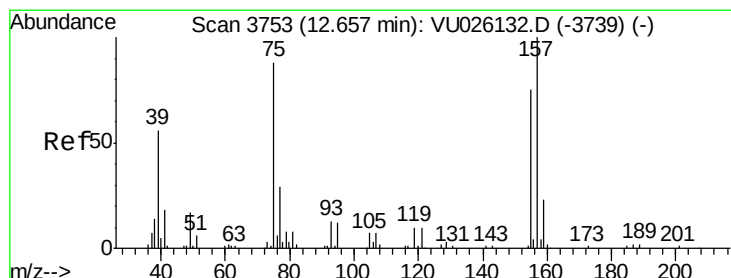
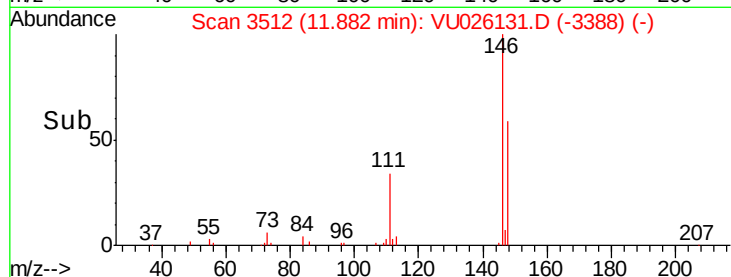
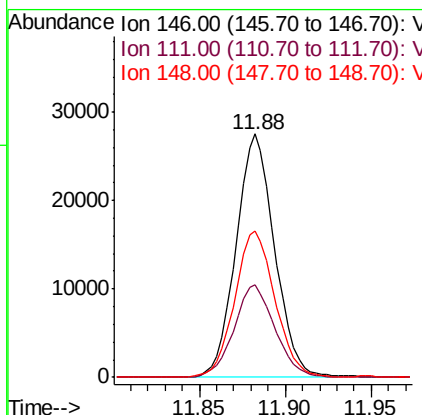
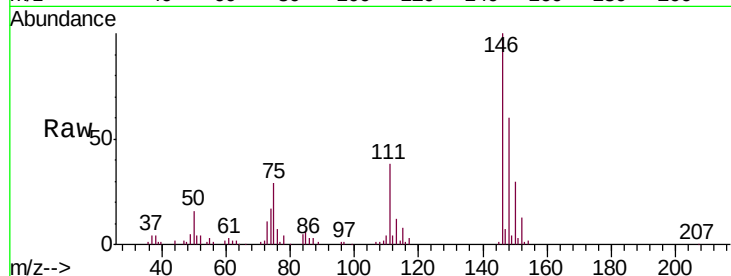




#65
 1,2-Dichlorobenzene
 Concen: 10.500 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU026131.D
 Acq: 15 Aug 2018 08:24

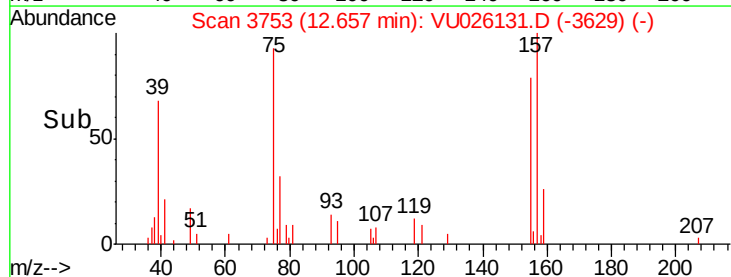
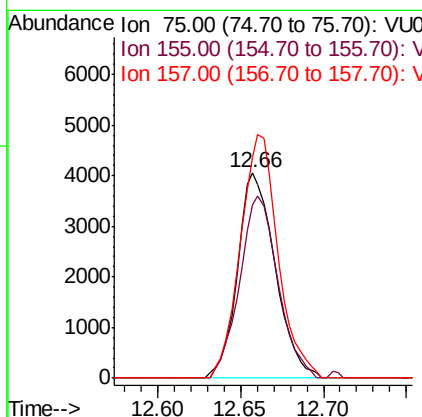
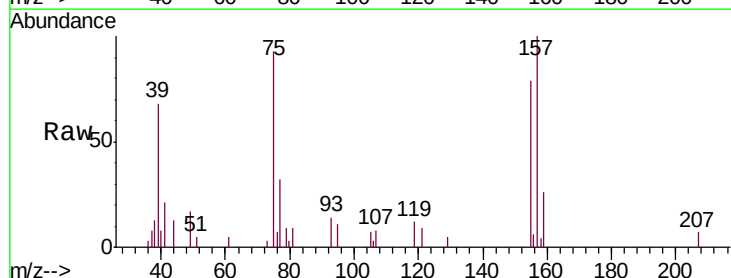
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01061

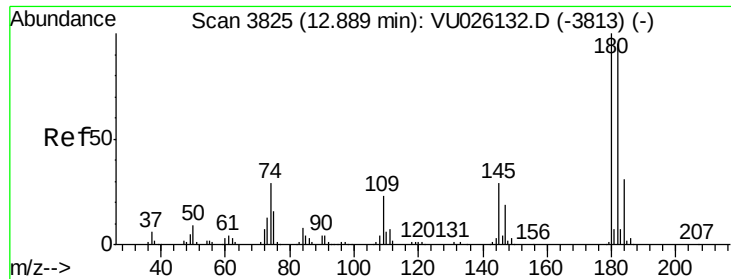
Tgt Ion:146 Resp: 42799
 Ion Ratio Lower Upper
 146 100
 111 37.9 32.7 49.1
 148 60.0 51.4 77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 9.937 ug/L
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU026131.D
 Acq: 15 Aug 2018 08:24

Tgt Ion: 75 Resp: 6422
 Ion Ratio Lower Upper
 75 100
 155 84.6 68.2 102.2
 157 107.5 90.5 135.7

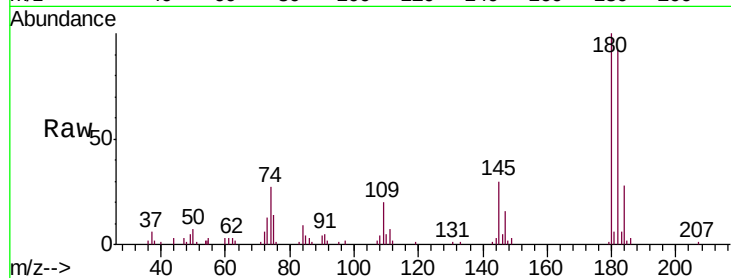




#67
 1,3,5-Trichlorobenzene
 Concen: 10.022 ug/L
 RT: 12.89 min Scan# 3826
 Delta R.T. 0.00 min
 Lab File: VU026131.D
 Acq: 15 Aug 2018 08:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01061

Tgt Ion:	180	Resp:	28227
Ion	Ratio	Lower	Upper
180	100		
182	93.0	75.6	113.4
184	28.9	24.3	36.5
145	28.8	23.3	34.9



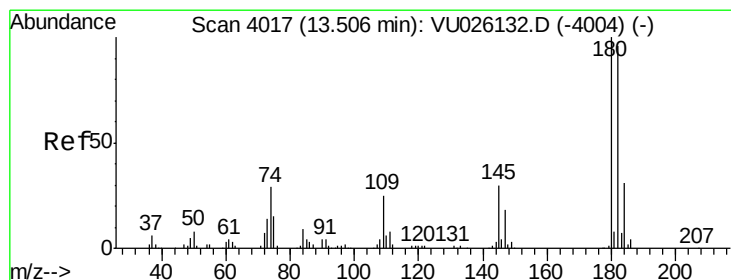
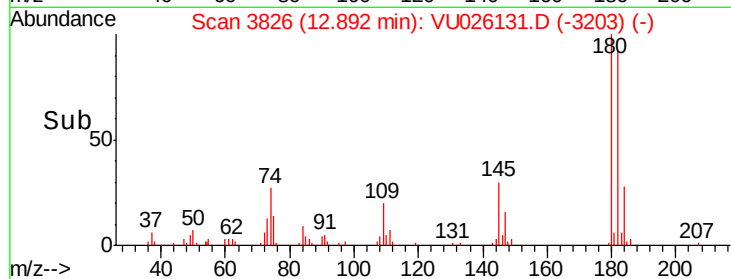
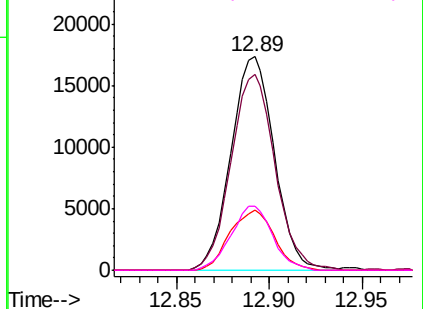
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

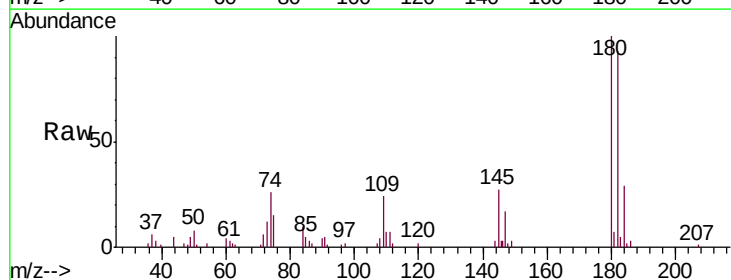
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 8.467 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU026131.D
 Acq: 15 Aug 2018 08:24

Tgt Ion:	180	Resp:	18067
Ion	Ratio	Lower	Upper
180	100		
182	98.2	76.8	115.2
145	28.3	23.8	35.6

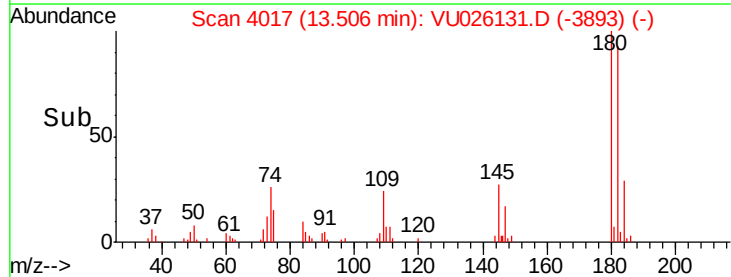
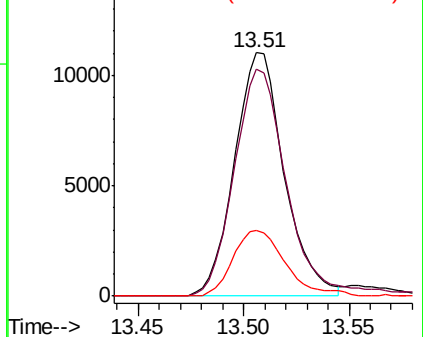


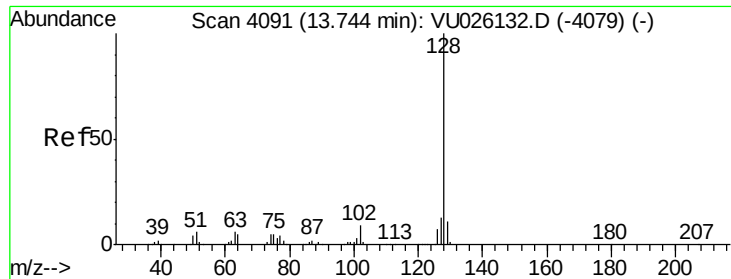
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 7.335 ug/L

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU026131.D

Acq: 15 Aug 2018 08:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD01061

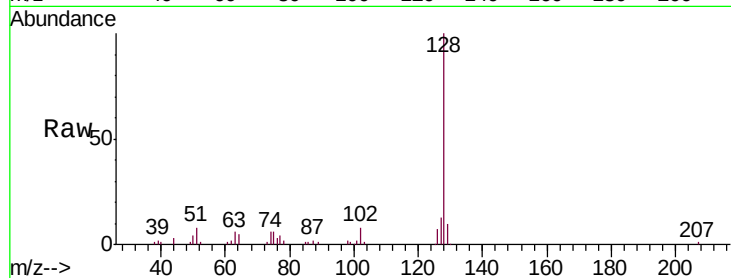
Tgt Ion:128 Resp: 44540

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

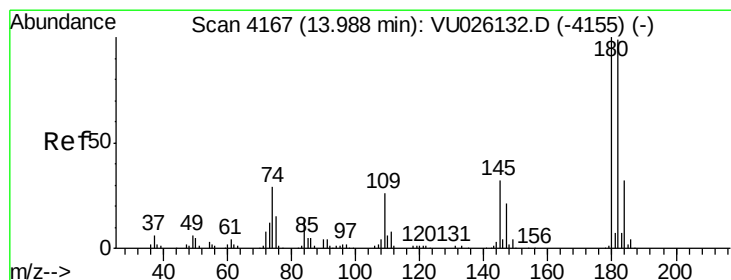
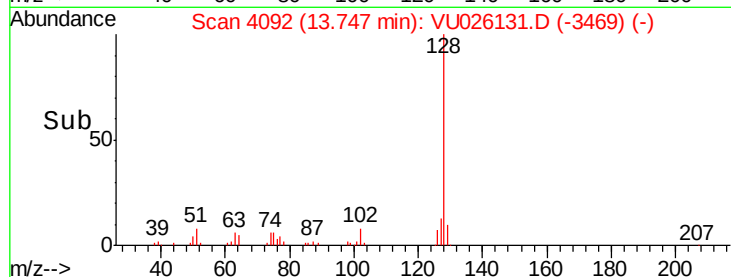
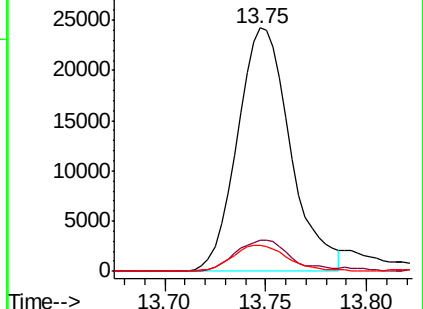
129 10.8 8.6 13.0



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: 8.787 ug/L

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU026131.D

Acq: 15 Aug 2018 08:24

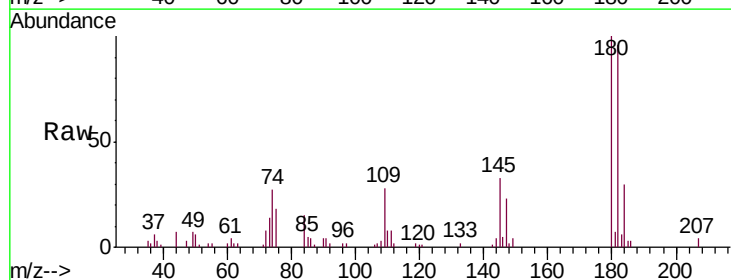
Tgt Ion:180 Resp: 20104

Ion Ratio Lower Upper

180 100

182 95.3 77.1 115.7

145 31.6 25.1 37.7



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

