

Data File : VU026513.D
Acq On : 31 Aug 2018 20:27
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

Quant Time: Sep 01 01:06:25 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 01 01:02:22 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	164752	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	157156	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	77769	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	46611	45.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.32%
7) Chloroethane-d5	1.68	69	43049	46.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.40%
11) 1,1-Dichloroethene-d2	2.27	63	98116	42.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.36%
21) 2-Butanone-d5	4.18	46	76255	96.25	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.25%
24) Chloroform-d	4.65	84	95162	49.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.72%
26) 1,2-Dichloroethane-d4	5.31	65	63264	49.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.58%
32) Benzene-d6	5.34	84	184544	50.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.90%
36) 1,2-Dichloropropane-d6	6.33	67	62643	50.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.68%
41) Toluene-d8	7.57	98	179828	51.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.86%
43) trans-1,3-Dichloropropene-	7.85	79	29534	51.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.96%
47) 2-Hexanone-d5	8.31	63	59877	104.92	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.92%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	92852	50.65	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.30%
64) 1,2-Dichlorobenzene-d4	11.86	152	74503	52.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	62292	48.490 ug/L	100
3) Chloromethane	1.33	50	75845	47.816 ug/L	100
5) Vinyl chloride	1.40	62	82681	48.081 ug/L	99
6) Bromomethane	1.62	94	48869	47.936 ug/L	98
8) Chloroethane	1.70	64	51862	50.231 ug/L	99
9) Trichlorofluoromethane	1.89	101	107811	49.303 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	56990	46.709 ug/L	99
12) 1,1-Dichloroethene	2.28	96	53445	45.447 ug/L	84
13) Acetone	2.32	43	59461	86.675 ug/L	100
14) Carbon disulfide	2.48	76	160685	48.283 ug/L	99
15) Methyl Acetate	2.62	43	66041	49.027 ug/L	100
16) Methylene chloride	2.70	84	61743	51.067 ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	53323	50.130 ug/L	97
18) Methyl tert-butyl Ether	3.00	73	171124	52.995 ug/L	99
19) 1,1-Dichloroethane	3.45	63	107324	51.349 ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	62335	52.312 ug/L	96
22) 2-Butanone	4.26	43	90343	97.974 ug/L	100

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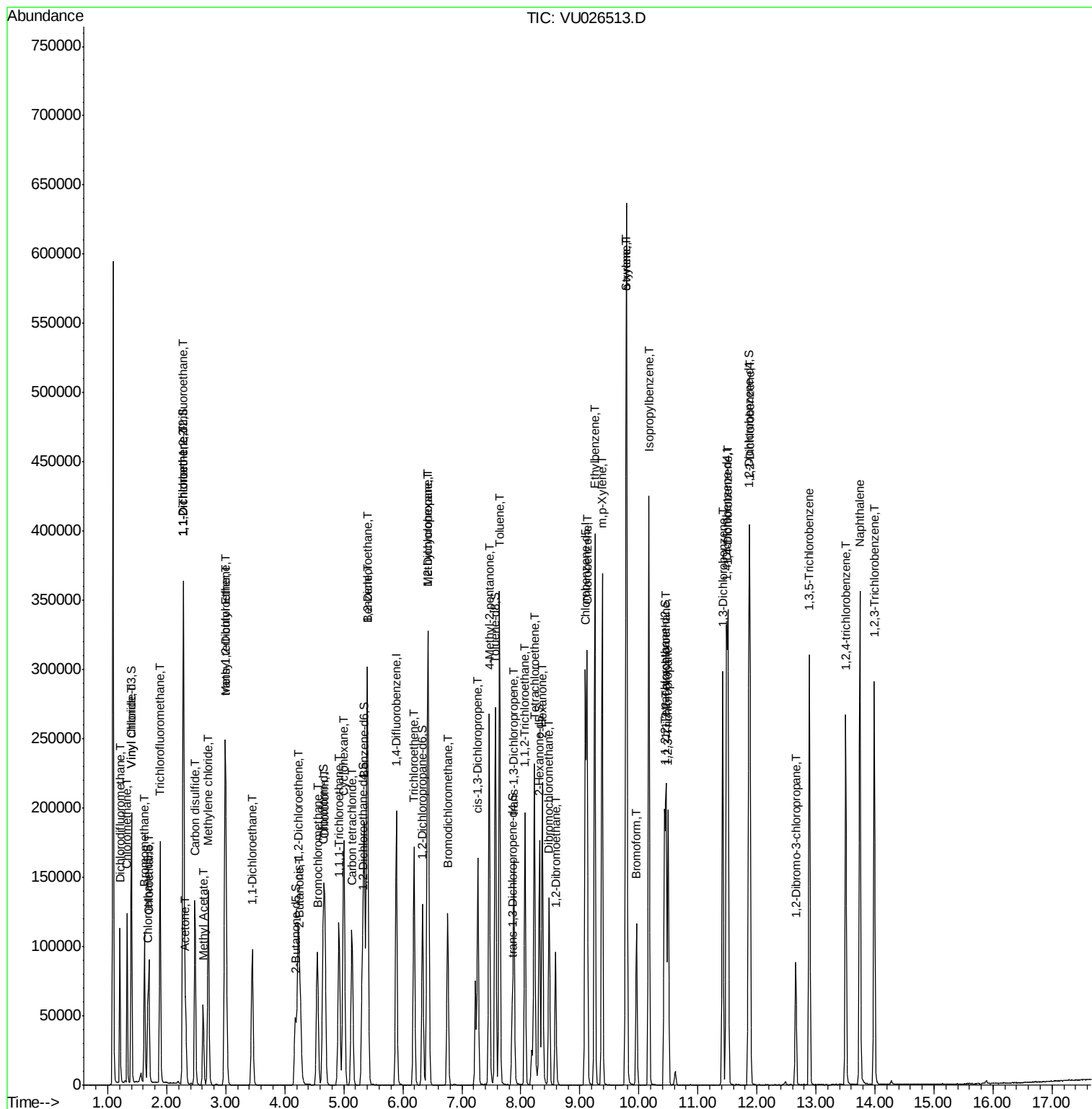
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	32313	52.635	ug/L	95
25) Chloroform	4.68	83	109296	51.205	ug/L	100
27) 1,2-Dichloroethane	5.41	62	87051	50.567	ug/L	100
29) Cyclohexane	5.00	56	90663	52.948	ug/L	97
30) 1,1,1-Trichloroethane	4.92	97	90602	52.389	ug/L	99
31) Carbon tetrachloride	5.14	117	81710	51.999	ug/L	100
33) Benzene	5.39	78	237173	52.641	ug/L	100
34) Trichloroethene	6.19	95	58769	52.003	ug/L	99
35) Methylcyclohexane	6.42	83	94095	53.322	ug/L	99
37) 1,2-Dichloropropane	6.44	63	66515	53.328	ug/L	100
38) Bromodichloromethane	6.76	83	81539	51.264	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	92793	52.212	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	175302	104.215	ug/L	100
42) Toluene	7.64	91	251454	53.487	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	87996	51.947	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	59581	52.143	ug/L	99
46) Tetrachloroethene	8.23	164	49966	54.078	ug/L	96
48) 2-Hexanone	8.36	43	136310	102.890	ug/L	99
49) Dibromochloromethane	8.48	129	67700	52.583	ug/L	98
50) 1,2-Dibromoethane	8.59	107	63356	52.070	ug/L	98
51) Chlorobenzene	9.12	112	159803	50.831	ug/L	98
52) Ethylbenzene	9.25	91	269201	52.649	ug/L	99
53) m,p-Xylene	9.38	106	102679	53.782	ug/L	98
54) o-xylene	9.78	106	103415	55.545	ug/L	95
55) Styrene	9.79	104	173415	53.319	ug/L	97
56) Isopropylbenzene	10.17	105	262102	53.780	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	102693	51.021	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	79042	50.787	ug/L	99
61) Bromoform	9.96	173	51855	54.025	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	121046	53.191	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	124455	51.706	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	130976	54.567	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	21014	52.065	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	96643	52.623	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	84845	52.894	ug/L	99
69) Naphthalene	13.74	128	277778	55.463	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	93289	52.965	ug/L	99

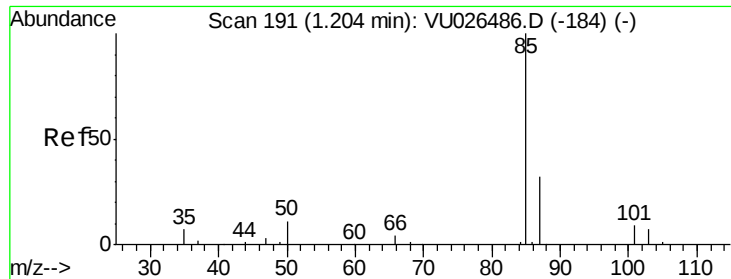
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 48.490 ug/L

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU026513.D

Acq: 31 Aug 2018 20:27

Instrument :

MSVOA_U

ClientSampleId :

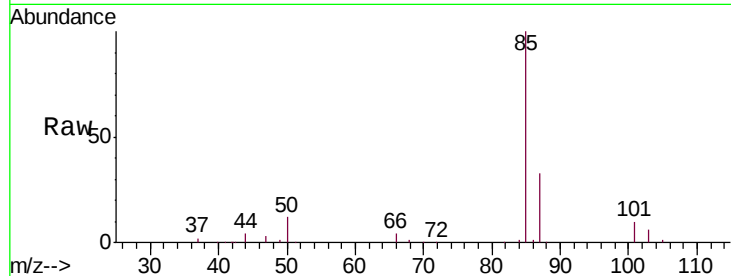
VSTD05058

Tgt Ion: 85 Resp: 62292

Ion Ratio Lower Upper

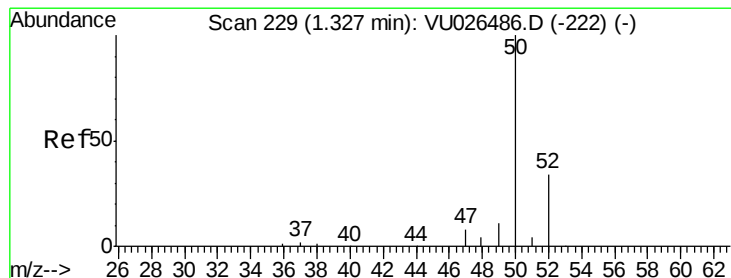
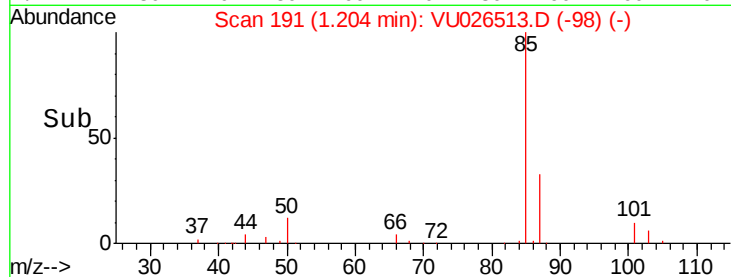
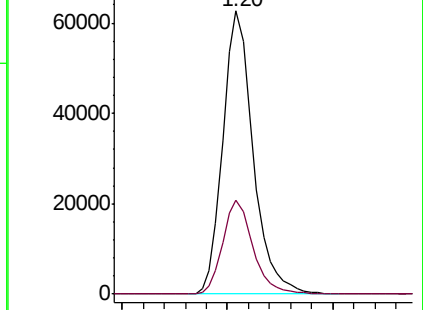
85 100

87 33.1 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VU026486.D (-184) (-)

Ion 87.00 (86.70 to 87.70): VU026486.D (-184) (-)



#3

Chloromethane

Concen: 47.816 ug/L

RT: 1.33 min Scan# 229

Delta R.T. 0.00 min

Lab File: VU026513.D

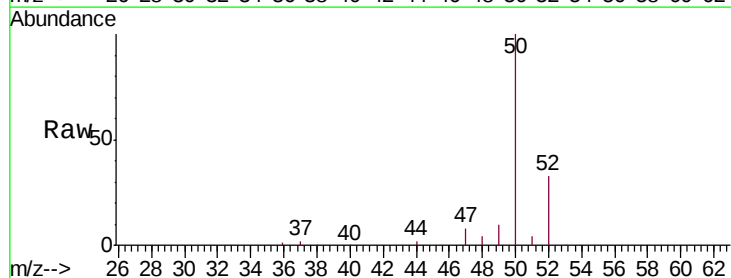
Acq: 31 Aug 2018 20:27

Tgt Ion: 50 Resp: 75845

Ion Ratio Lower Upper

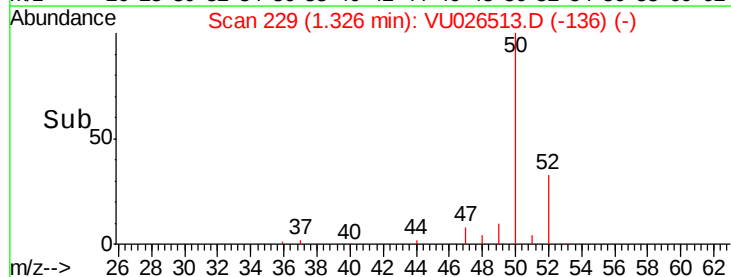
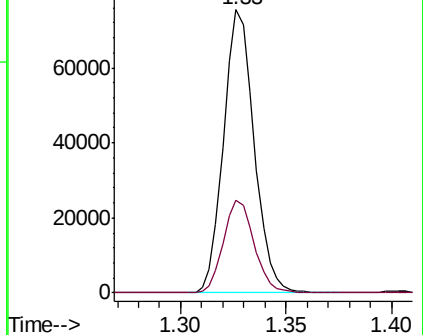
50 100

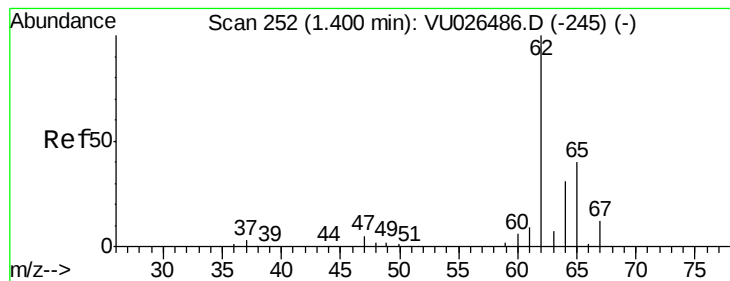
52 32.9 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU026486.D (-222) (-)

Ion 52.00 (51.70 to 52.70): VU026486.D (-222) (-)





#5

Vinyl chloride

Concen: 48.081 ug/L

RT: 1.40 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU026513.D

Acq: 31 Aug 2018 20:27

Instrument :

MSVOA_U

ClientSampleId :

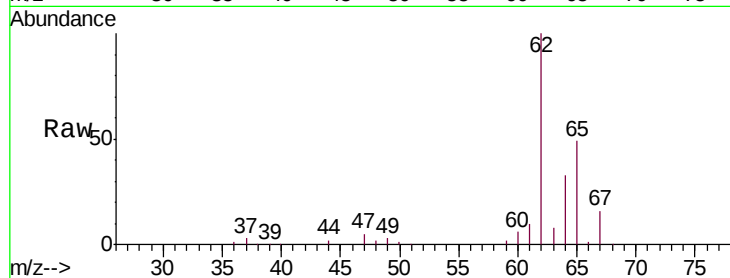
VSTD05058

Tgt Ion: 62 Resp: 82681

Ion Ratio Lower Upper

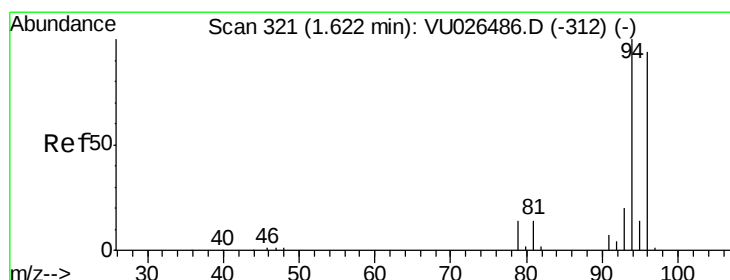
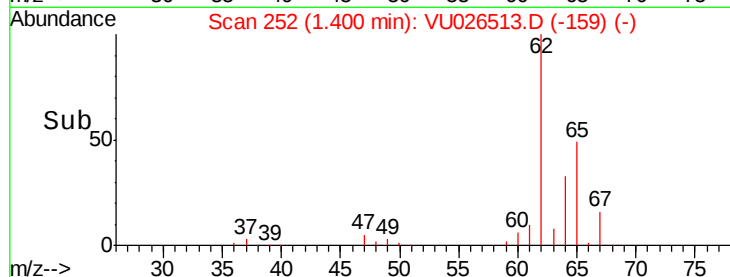
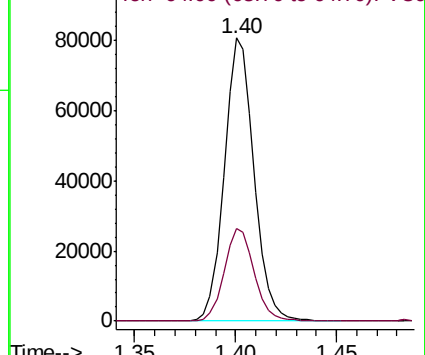
62 100

64 32.8 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 47.936 ug/L

RT: 1.62 min Scan# 321

Delta R.T. 0.00 min

Lab File: VU026513.D

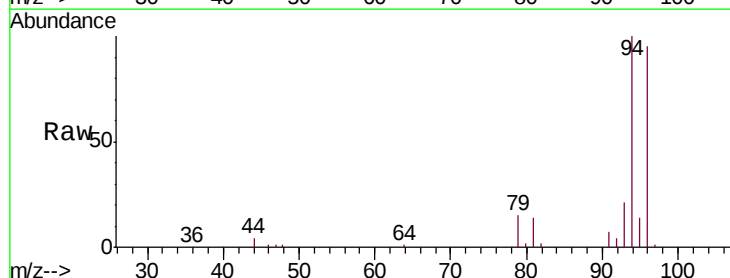
Acq: 31 Aug 2018 20:27

Tgt Ion: 94 Resp: 48869

Ion Ratio Lower Upper

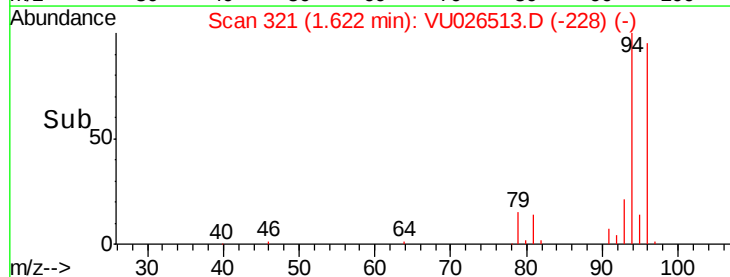
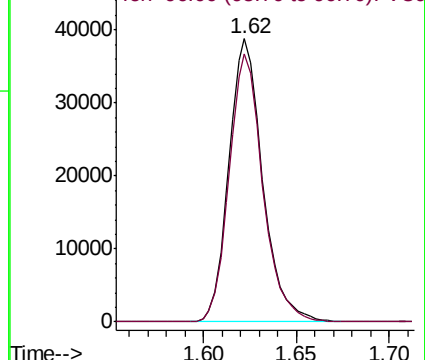
94 100

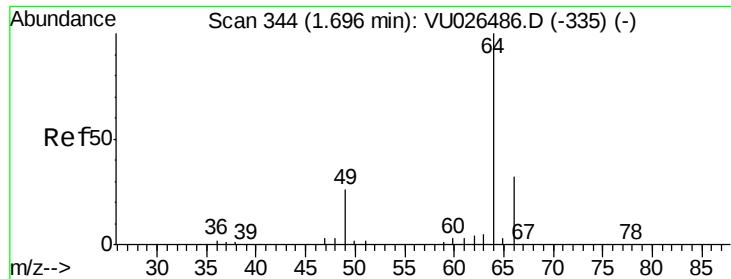
96 94.8 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 50.231 ug/L

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU026513.D

Acq: 31 Aug 2018 20:27

Instrument :

MSVOA_U

ClientSampleId :

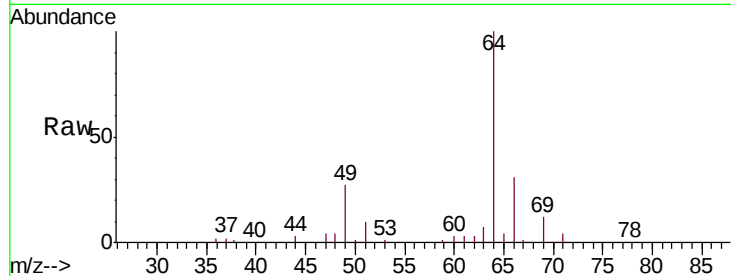
VSTD05058

Tgt Ion: 64 Resp: 51862

Ion Ratio Lower Upper

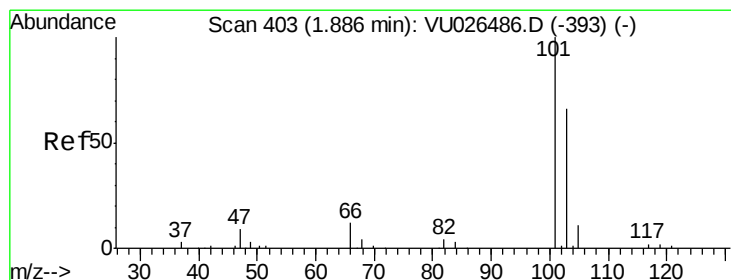
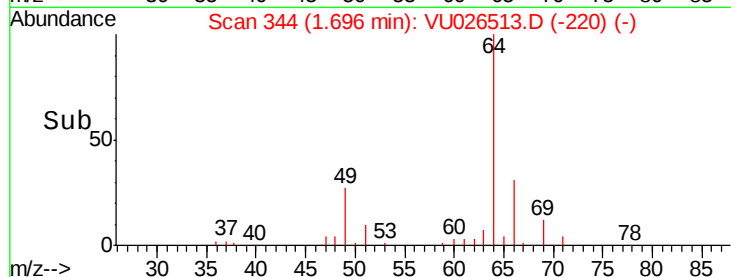
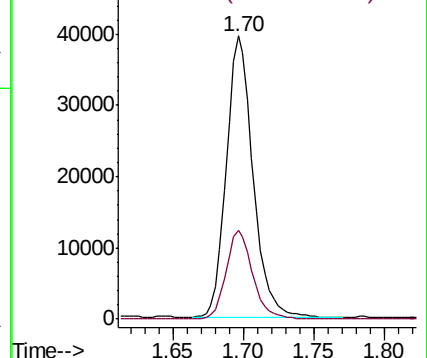
64 100

66 31.3 22.2 41.2



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



#9

Trichlorofluoromethane

Concen: 49.303 ug/L

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU026513.D

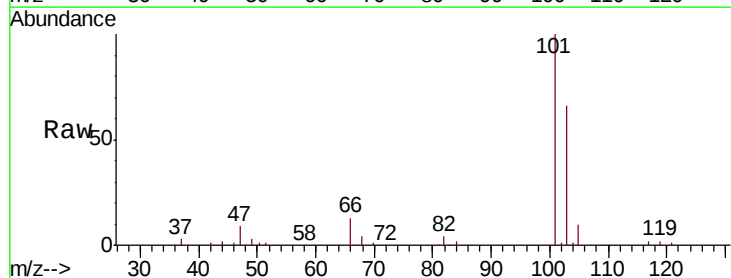
Acq: 31 Aug 2018 20:27

Tgt Ion: 101 Resp: 107811

Ion Ratio Lower Upper

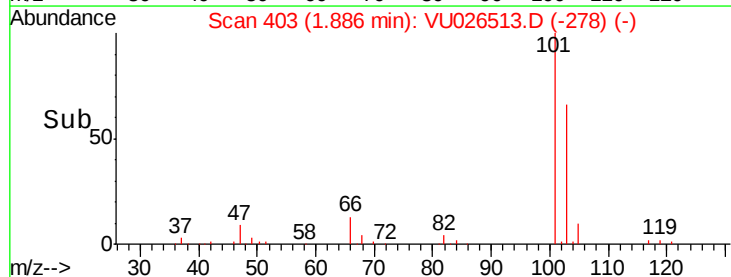
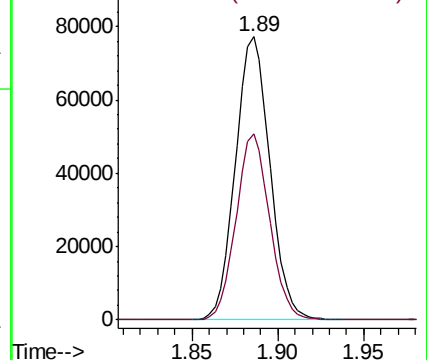
101 100

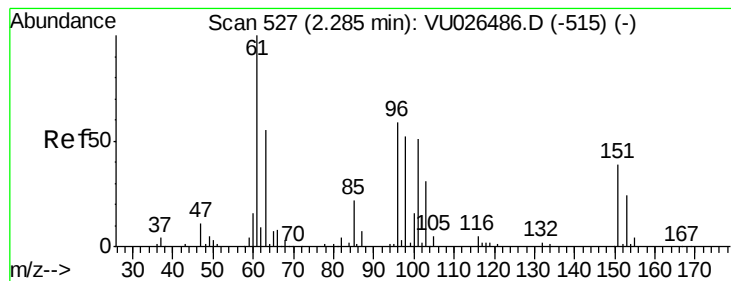
103 64.0 52.7 79.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 46.709 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

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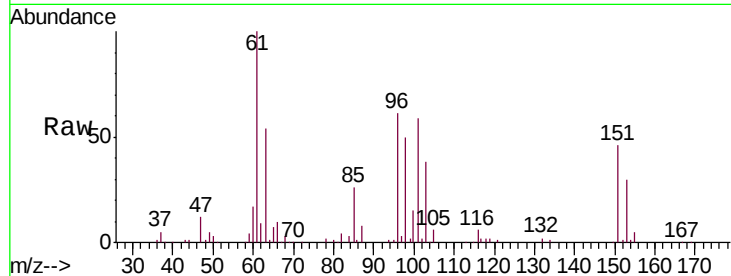
Tgt Ion:101 Resp: 56990

Ion Ratio Lower Upper

101 100

85 42.6 35.3 52.9

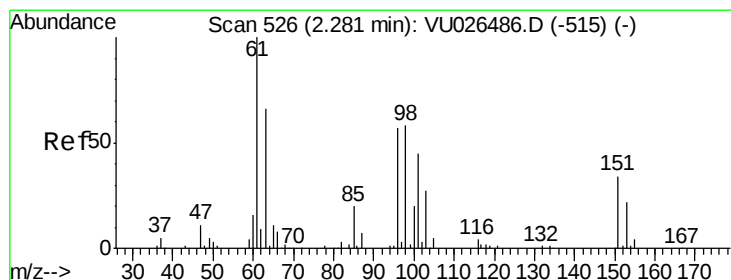
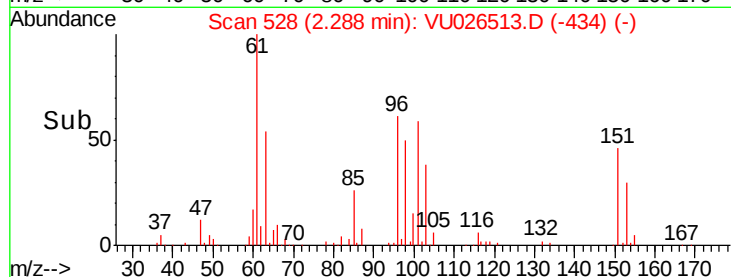
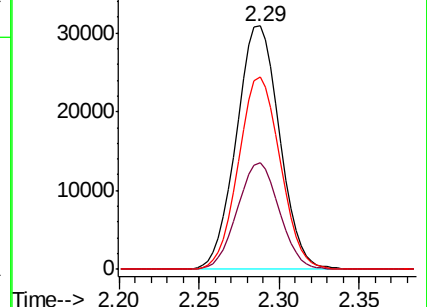
151 76.7 60.7 91.1



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: 45.447 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU026513.D

Acq: 31 Aug 2018 20:27

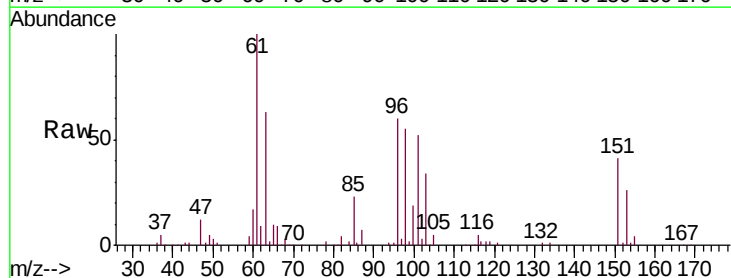
Tgt Ion: 96 Resp: 53445

Ion Ratio Lower Upper

96 100

61 167.2 129.3 240.1

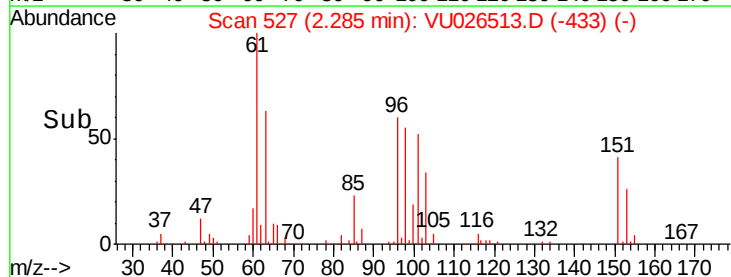
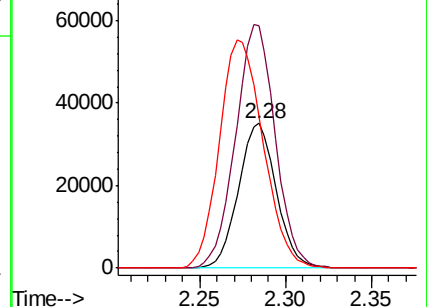
63 104.6 91.7 170.3

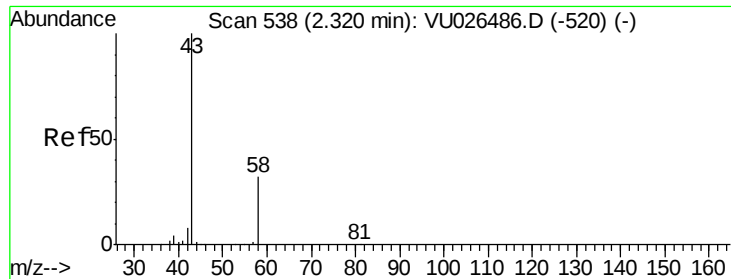


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 86.675 ug/L

RT: 2.32 min Scan# 538

Delta R.T. 0.00 min

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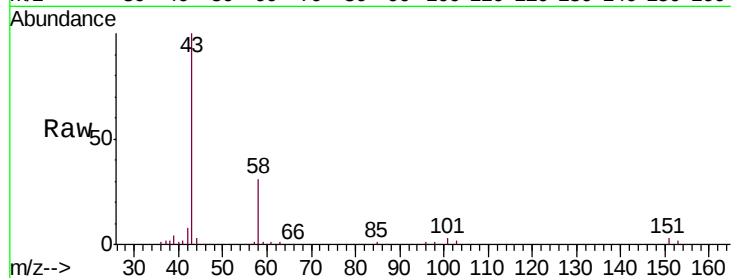
VSTD05058

Tgt Ion: 43 Resp: 59461

Ion Ratio Lower Upper

43 100

58 30.7 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

40000

30000

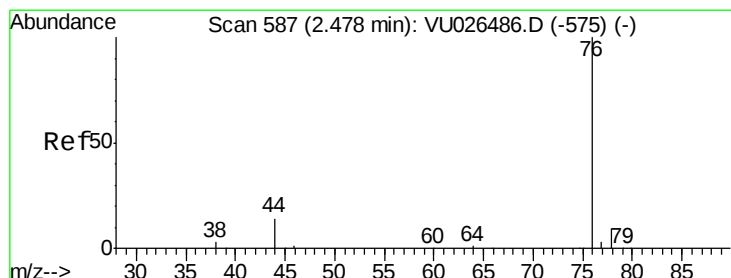
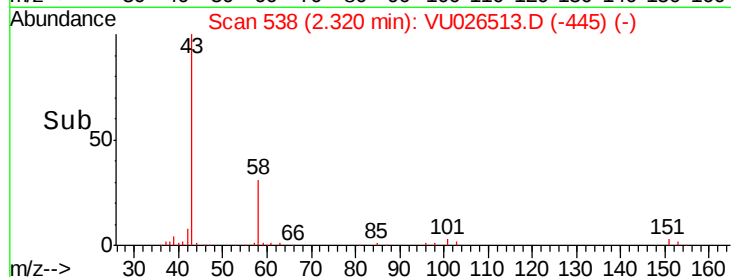
20000

10000

0

2.25 2.30 2.35 2.40 2.45

Time-->



#14

Carbon disulfide

Concen: 48.283 ug/L

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

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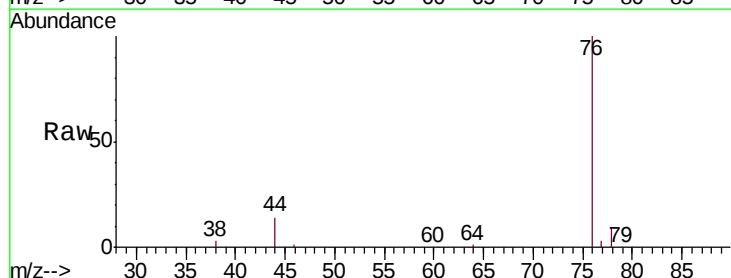
Acq: 31 Aug 2018 20:27

Tgt Ion: 76 Resp: 160685

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.48

120000

100000

80000

60000

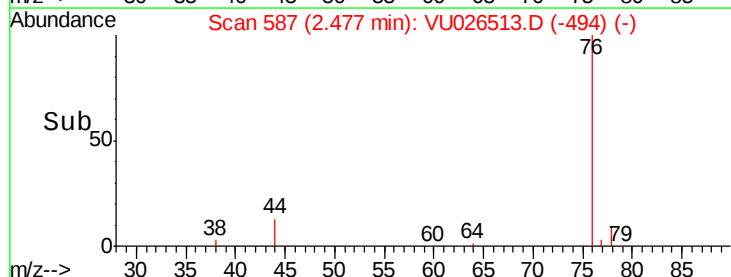
40000

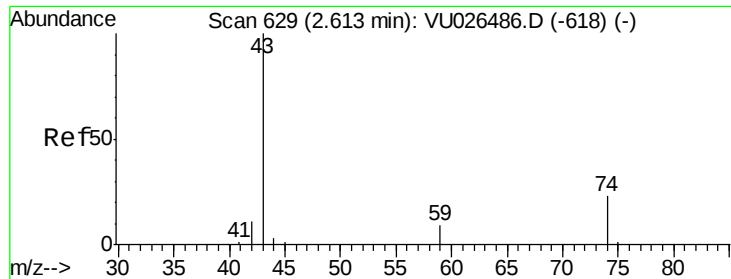
20000

0

2.40 2.45 2.50 2.55

Time-->

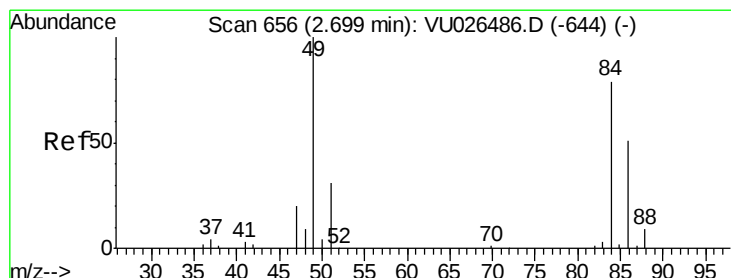
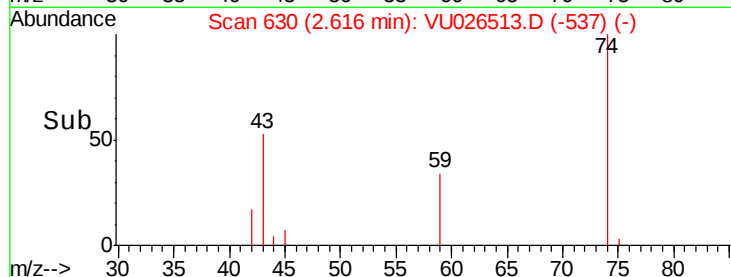
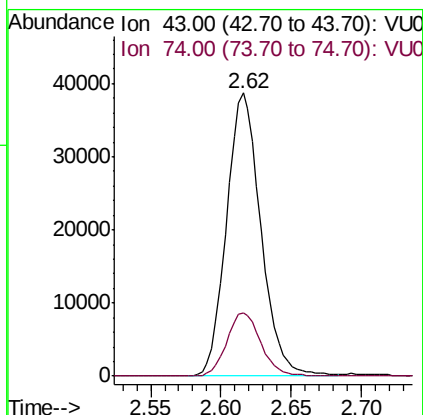
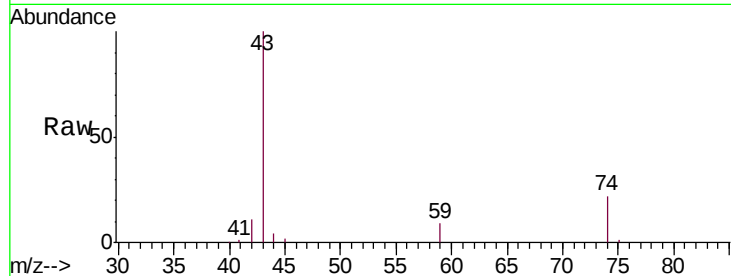




#15
Methyl Acetate
Concen: 49.027 ug/L
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU026513.D
Acq: 31 Aug 2018 20:27

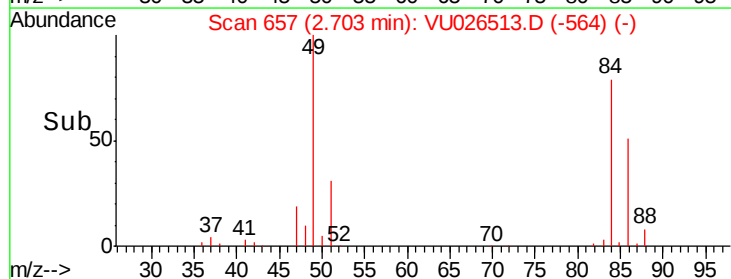
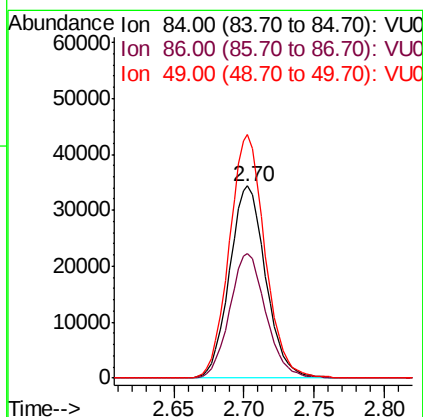
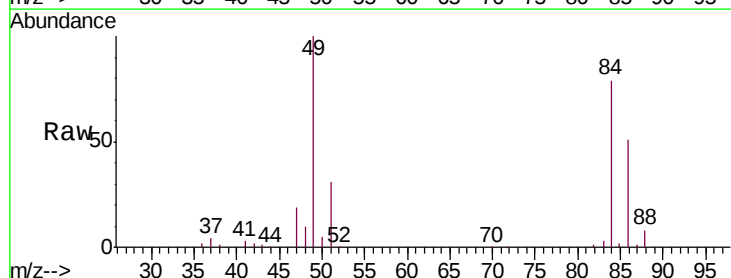
Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

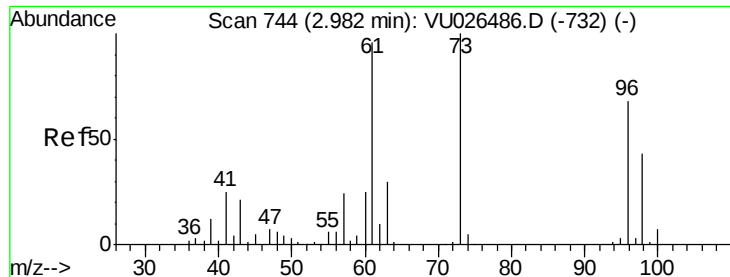
Tgt Ion: 43 Resp: 66041
Ion Ratio Lower Upper
43 100
74 22.2 17.8 26.6



#16
Methylene chloride
Concen: 51.067 ug/L
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU026513.D
Acq: 31 Aug 2018 20:27

Tgt Ion: 84 Resp: 61743
Ion Ratio Lower Upper
84 100
86 65.1 46.2 85.8
49 126.7 88.2 163.8





#17

trans-1,2-Dichloroethene

Concen: 50.130 ug/L

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU026513.D

Acq: 31 Aug 2018 20:27

Instrument :

MSVOA_U

ClientSampled :

VSTD05058

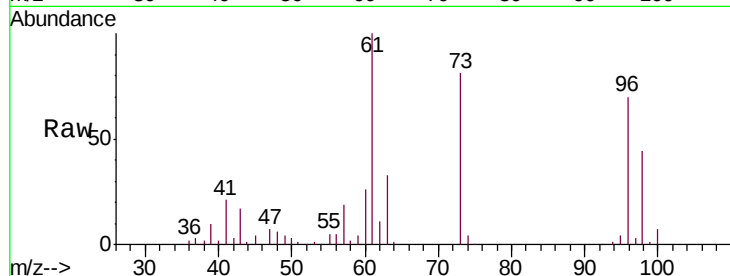
Tgt Ion: 96 Resp: 53323

Ion Ratio Lower Upper

96 100

61 142.8 103.2 191.6

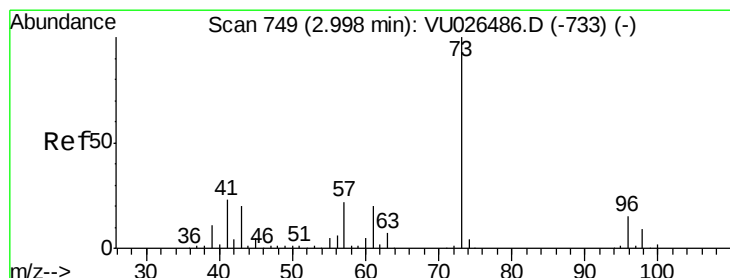
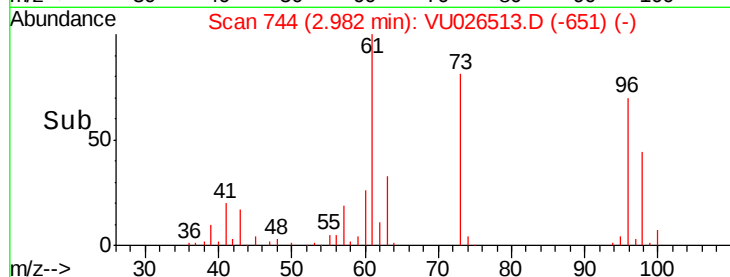
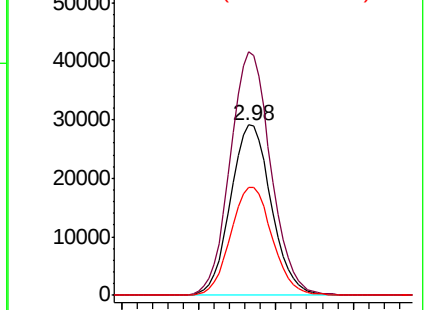
98 63.5 44.9 83.3



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 52.995 ug/L

RT: 3.00 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU026513.D

Acq: 31 Aug 2018 20:27

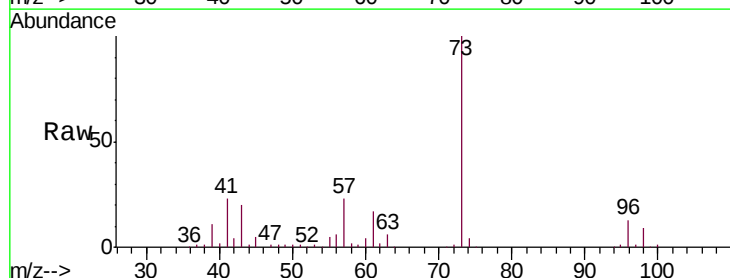
Tgt Ion: 73 Resp: 171124

Ion Ratio Lower Upper

73 100

43 20.3 16.6 25.0

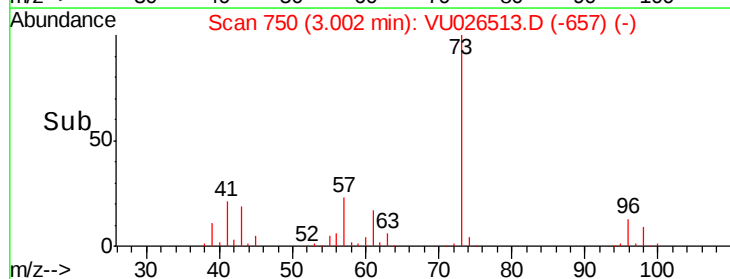
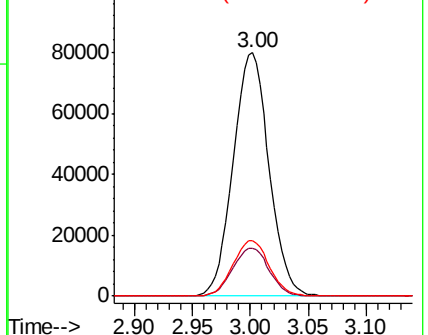
57 23.0 18.2 27.2

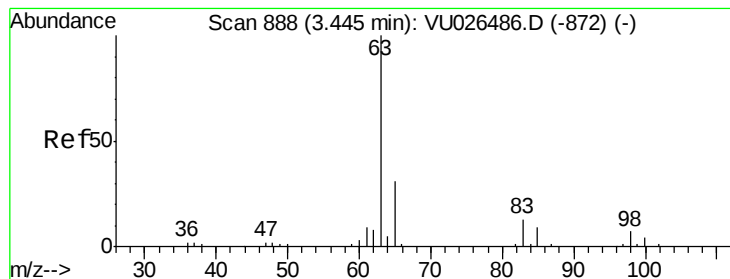


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 51.349 ug/L

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU026513.D

Acq: 31 Aug 2018 20:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

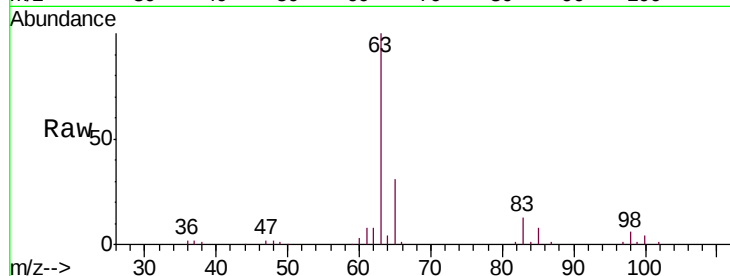
Tgt Ion: 63 Resp: 107324

Ion Ratio Lower Upper

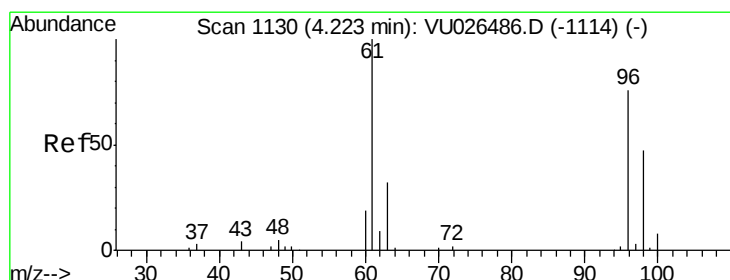
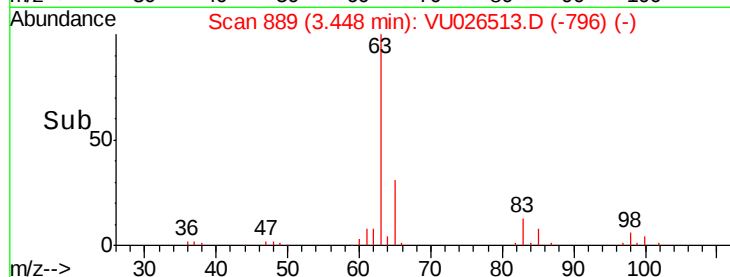
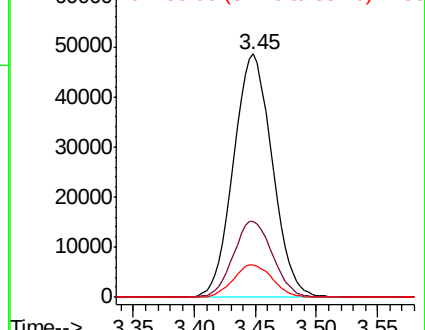
63 100

65 31.1 21.6 40.2

83 13.1 8.8 16.4



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



#20

cis-1,2-Dichloroethene

Concen: 52.312 ug/L

RT: 4.23 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VU026513.D

Acq: 31 Aug 2018 20:27

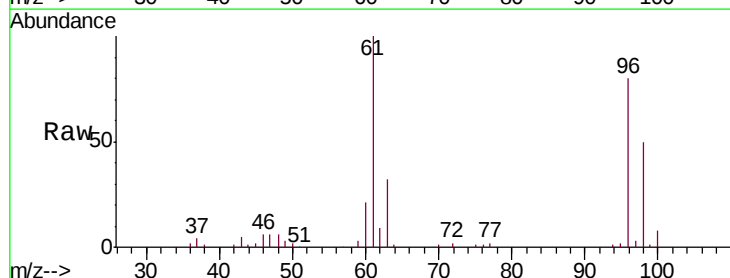
Tgt Ion: 96 Resp: 62335

Ion Ratio Lower Upper

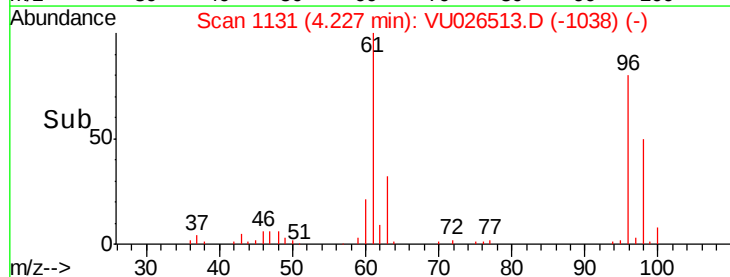
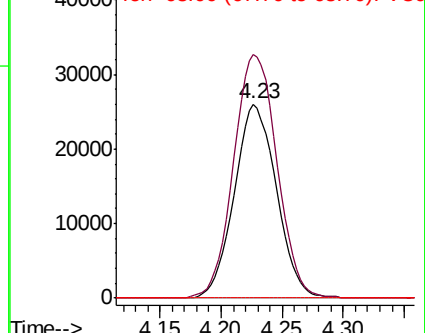
96 100

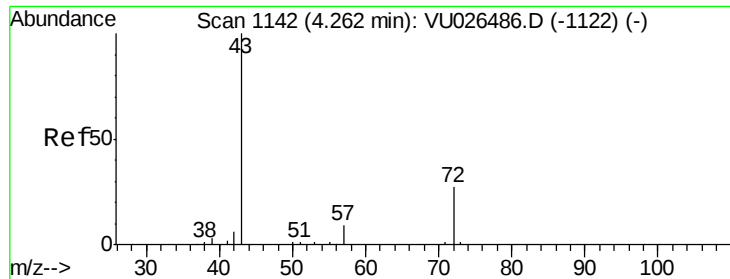
61 125.7 91.6 170.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0

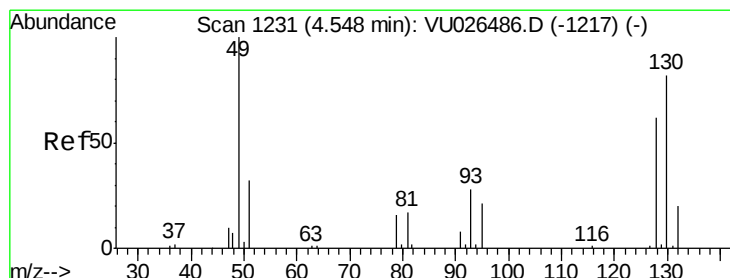
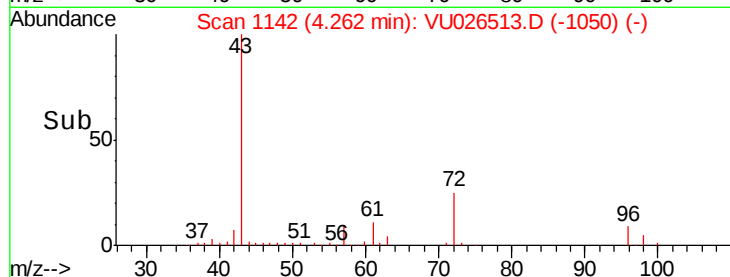
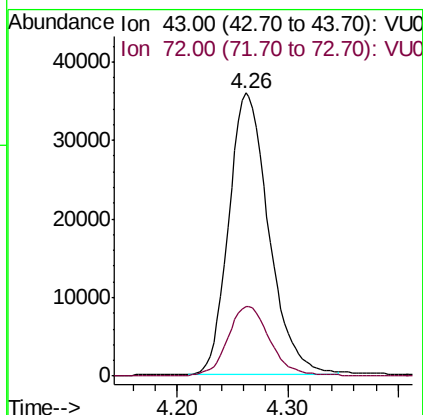
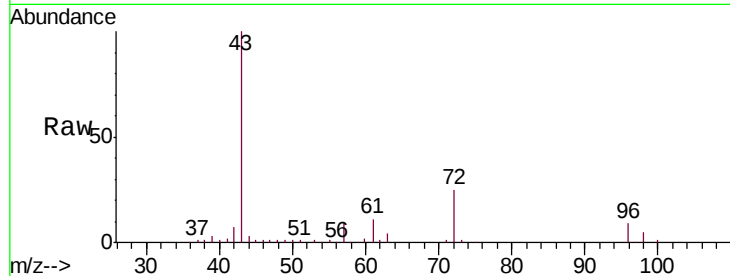




#22
2-Butanone
Concen: 97.974 ug/L
RT: 4.26 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VU026513.D
Acq: 31 Aug 2018 20:27

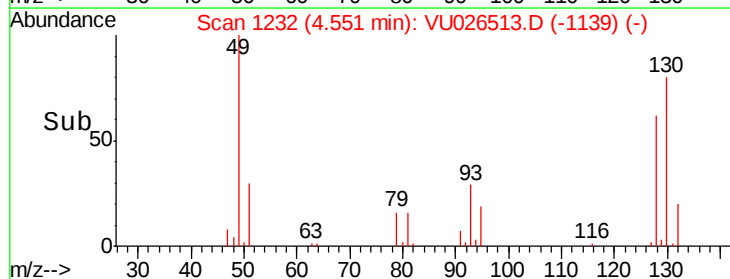
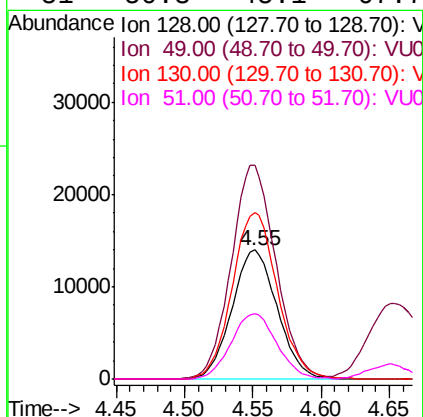
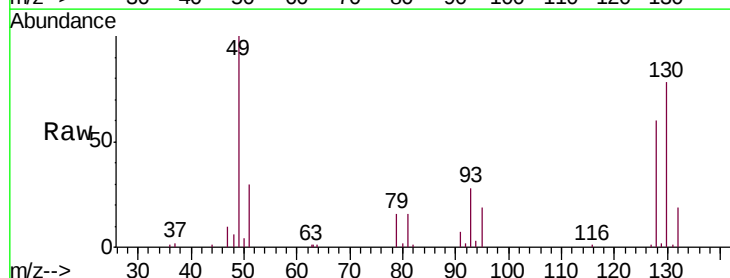
Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

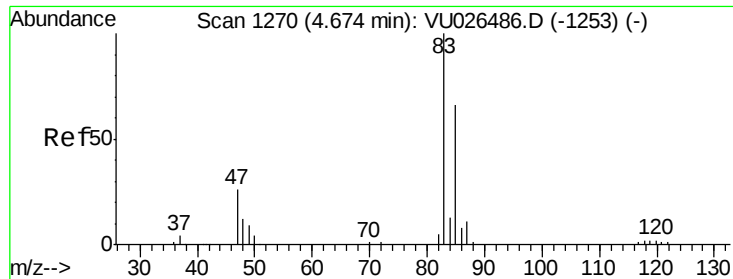
Tgt Ion: 43 Resp: 90343
Ion Ratio Lower Upper
43 100
72 26.0 13.0 38.9



#23
Bromochloromethane
Concen: 52.635 ug/L
RT: 4.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VU026513.D
Acq: 31 Aug 2018 20:27

Tgt Ion: 128 Resp: 32313
Ion Ratio Lower Upper
128 100
49 165.6 121.2 225.0
130 129.5 94.1 174.7
51 50.3 45.1 67.7

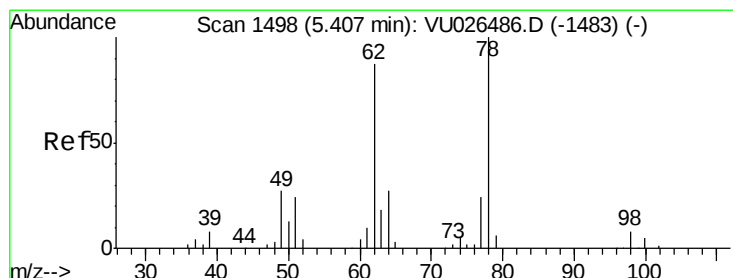
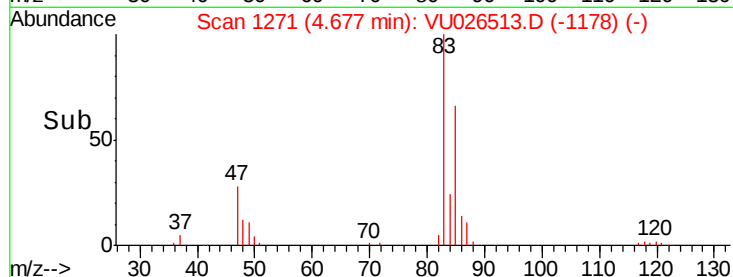
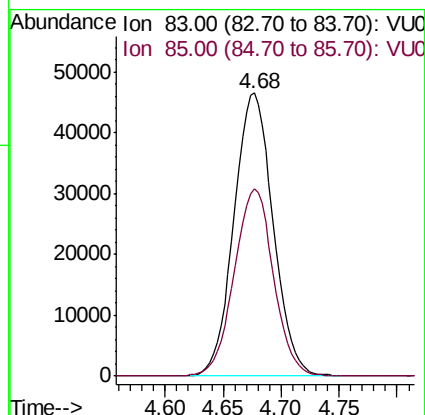
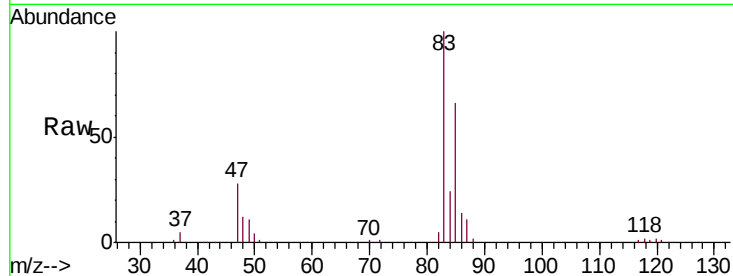




#25
Chloroform
Concen: 51.205 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU026513.D
Acq: 31 Aug 2018 20:27

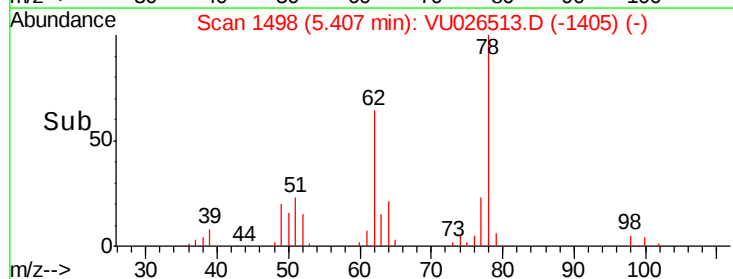
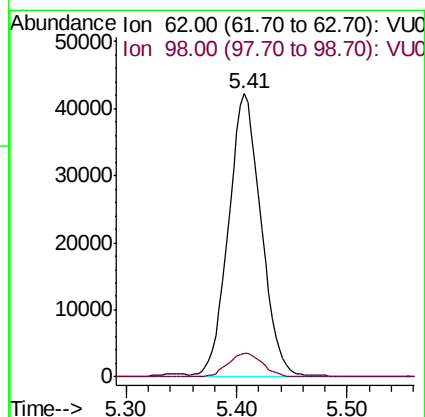
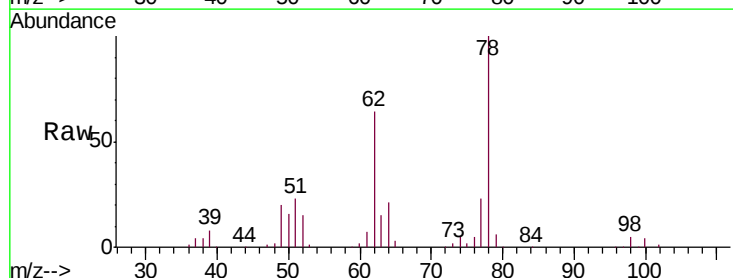
Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

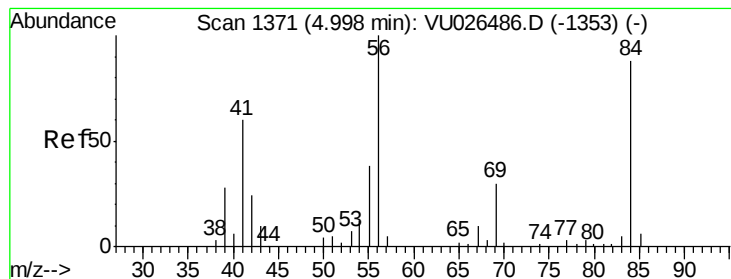
Tgt Ion: 83 Resp: 109296
Ion Ratio Lower Upper
83 100
85 66.1 46.5 86.5



#27
1,2-Dichloroethane
Concen: 50.567 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VU026513.D
Acq: 31 Aug 2018 20:27

Tgt Ion: 62 Resp: 87051
Ion Ratio Lower Upper
62 100
98 8.4 6.8 10.2





#29

Cyclohexane

Concen: 52.948 ug/L

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU026513.D

Acq: 31 Aug 2018 20:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

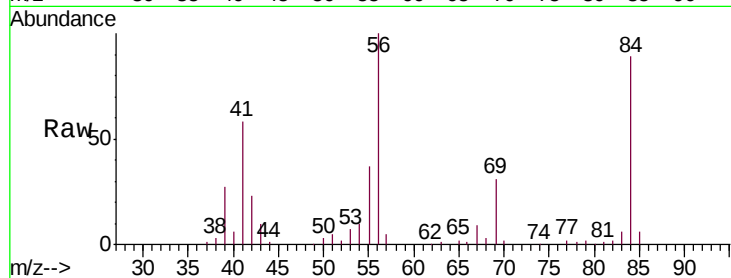
Tgt Ion: 56 Resp: 90663

Ion Ratio Lower Upper

56 100

69 30.1 24.0 36.0

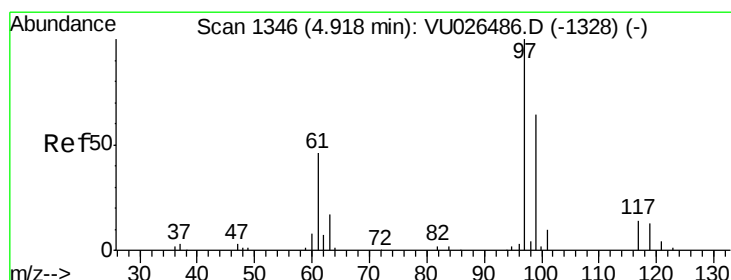
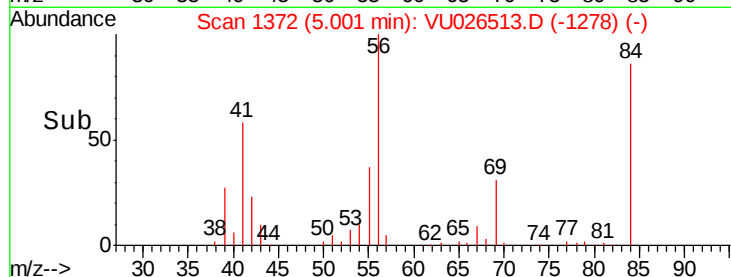
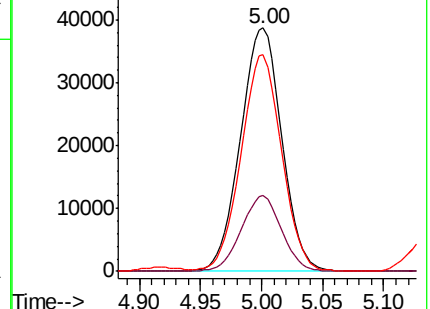
84 87.6 67.2 100.8



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#30

1,1,1-Trichloroethane

Concen: 52.389 ug/L

RT: 4.92 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VU026513.D

Acq: 31 Aug 2018 20:27

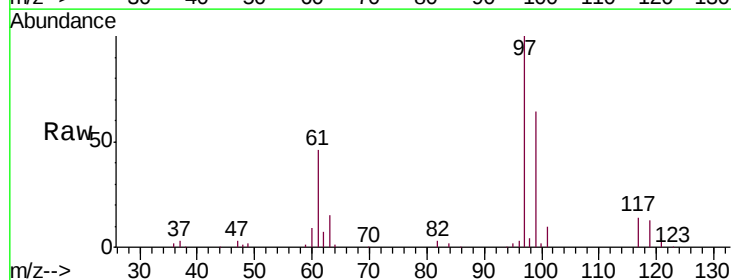
Tgt Ion: 97 Resp: 90602

Ion Ratio Lower Upper

97 100

99 64.7 51.6 77.4

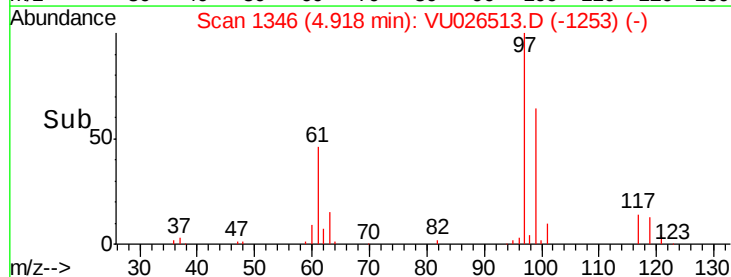
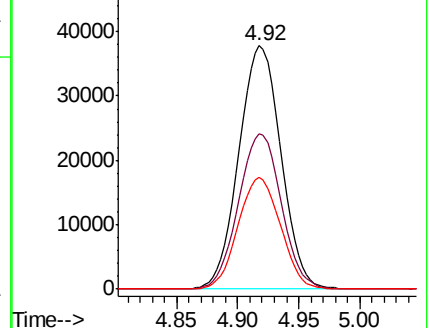
61 46.1 37.9 56.9

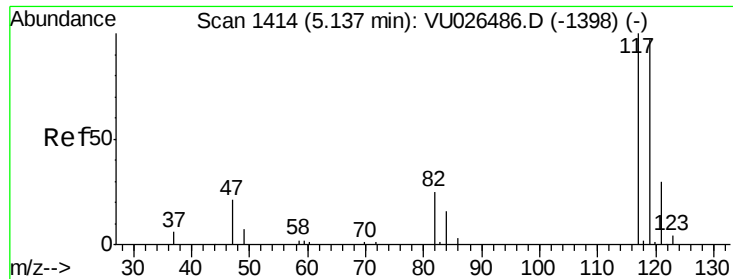


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 51.999 ug/L

RT: 5.14 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VU026513.D

Acq: 31 Aug 2018 20:27

Instrument :

MSVOA_U

ClientSampleId :

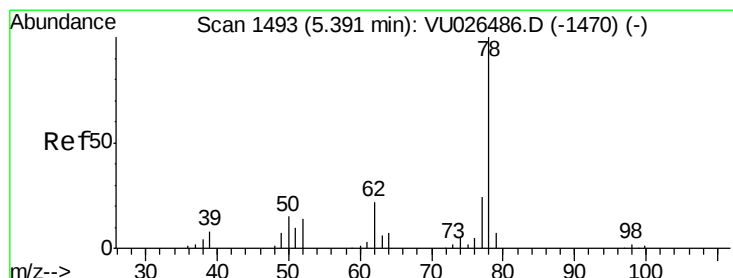
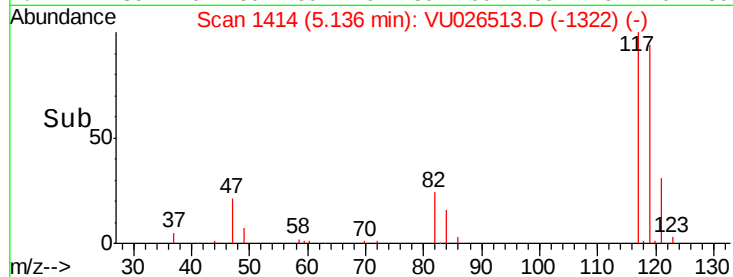
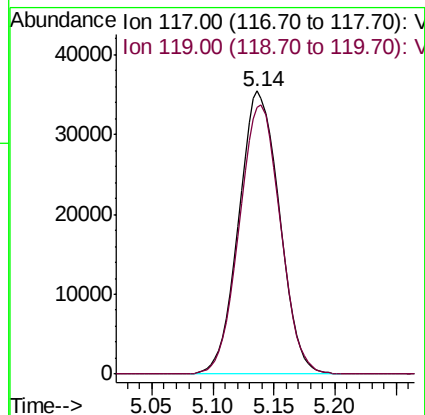
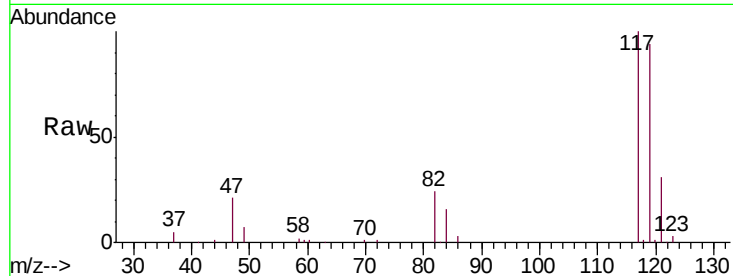
VSTD05058

Tgt Ion:117 Resp: 81710

Ion Ratio Lower Upper

117 100

119 95.9 76.4 114.6



#33

Benzene

Concen: 52.641 ug/L

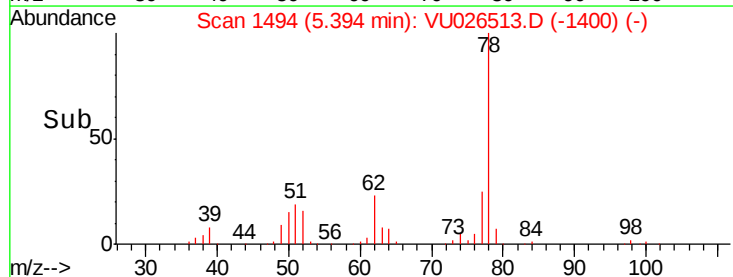
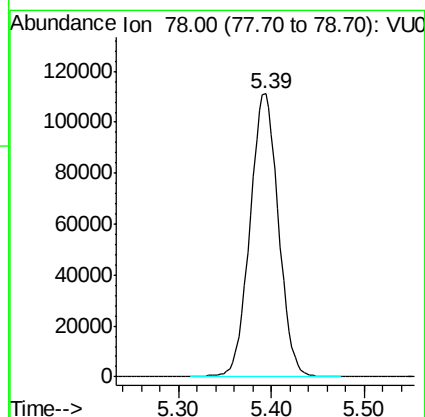
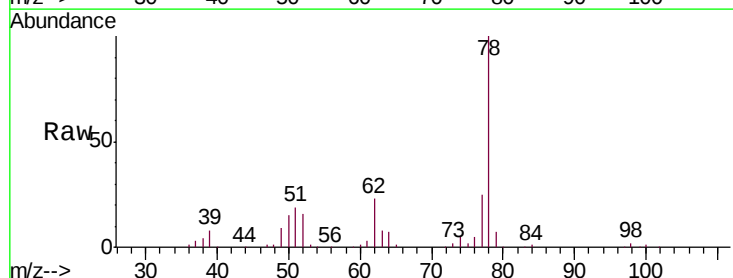
RT: 5.39 min Scan# 1494

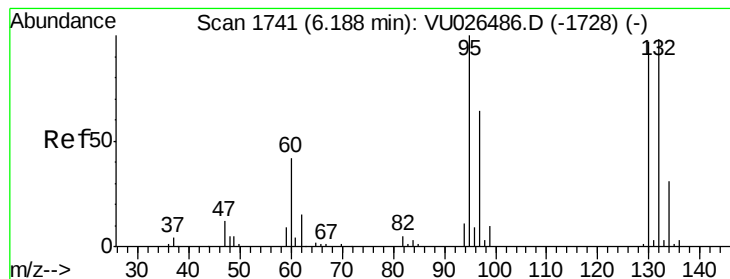
Delta R.T. 0.00 min

Lab File: VU026513.D

Acq: 31 Aug 2018 20:27

Tgt Ion: 78 Resp: 237173





#34

Trichloroethene

Concen: 52.003 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU026513.D

Acq: 31 Aug 2018 20:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

Tgt Ion: 95 Resp: 58769

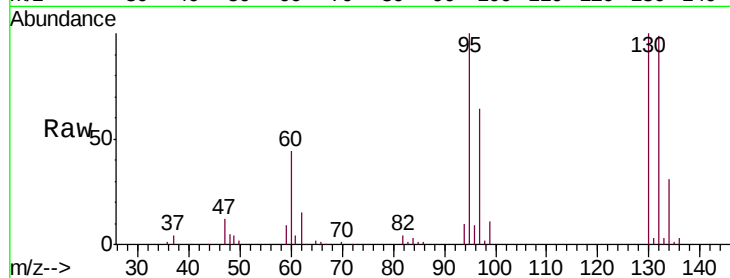
Ion Ratio Lower Upper

95 100

97 63.9 45.1 83.7

132 98.6 67.5 125.3

130 99.6 69.3 128.7

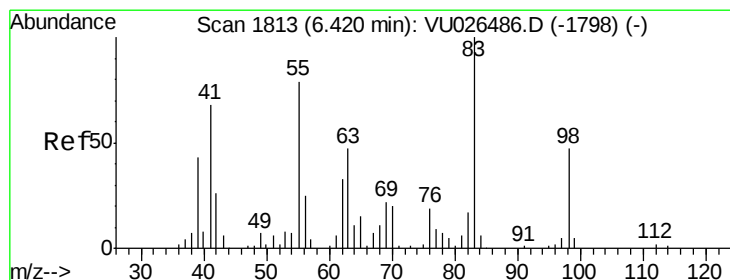
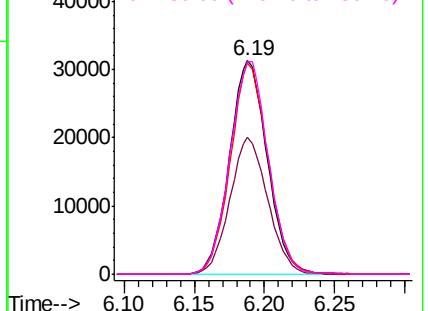
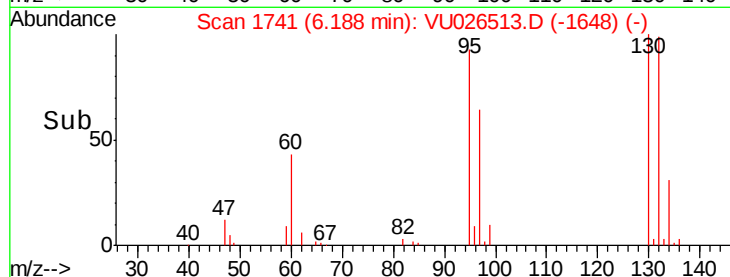


Abundance Ion 95.00 (94.70 to 95.70): VU026513.D (-1648) (-)

Ion 97.00 (96.70 to 97.70): VU026513.D (-1648) (-)

Ion 132.00 (131.70 to 132.70): VU026513.D (-1648) (-)

Ion 130.00 (129.70 to 130.70): VU026513.D (-1648) (-)



#35

Methylcyclohexane

Concen: 53.322 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VU026513.D

Acq: 31 Aug 2018 20:27

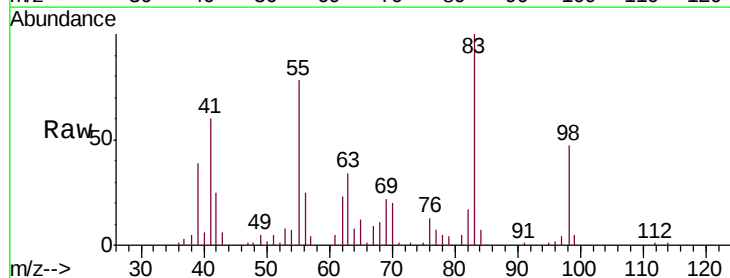
Tgt Ion: 83 Resp: 94095

Ion Ratio Lower Upper

83 100

55 78.3 63.3 94.9

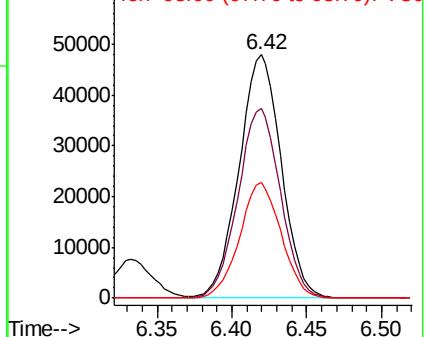
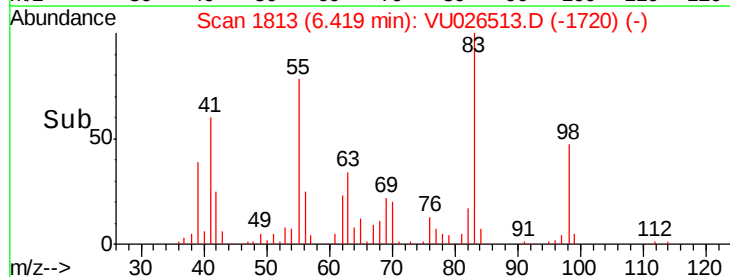
98 46.8 36.7 55.1

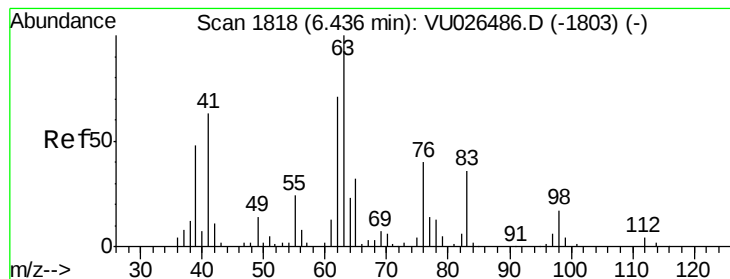


Abundance Ion 83.00 (82.70 to 83.70): VU026513.D (-1720) (-)

Ion 55.00 (54.70 to 55.70): VU026513.D (-1720) (-)

Ion 98.00 (97.70 to 98.70): VU026513.D (-1720) (-)





#37

1,2-Dichloropropane

Concen: 53.328 ug/L

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU026513.D

Acq: 31 Aug 2018 20:27

Instrument :

MSVOA_U

ClientSampleId :

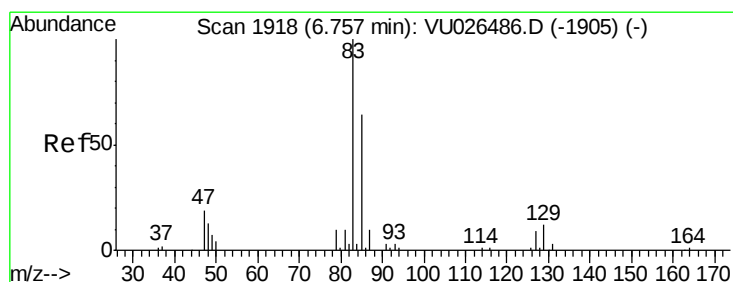
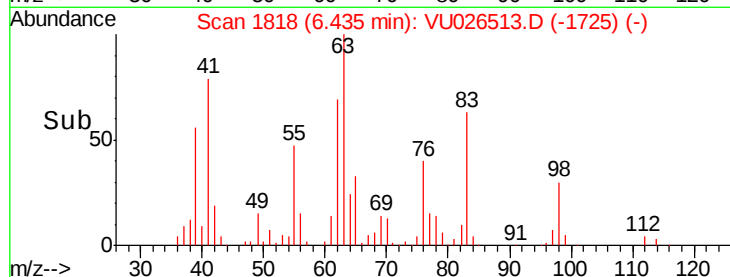
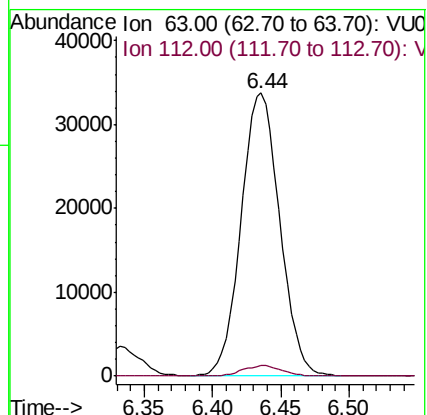
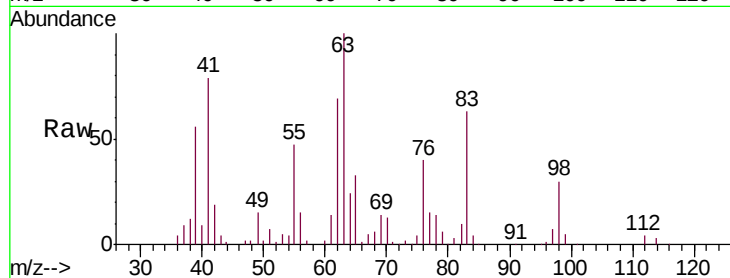
VSTD05058

Tgt Ion: 63 Resp: 66515

Ion Ratio Lower Upper

63 100

112 3.7 3.0 4.6



#38

Bromodichloromethane

Concen: 51.264 ug/L

RT: 6.76 min Scan# 1918

Delta R.T. -0.00 min

Lab File: VU026513.D

Acq: 31 Aug 2018 20:27

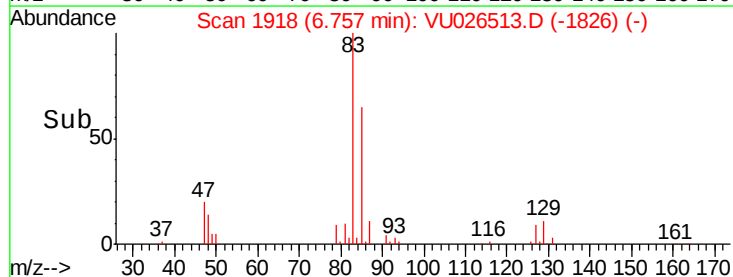
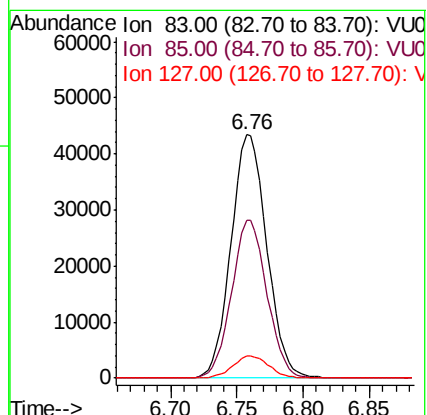
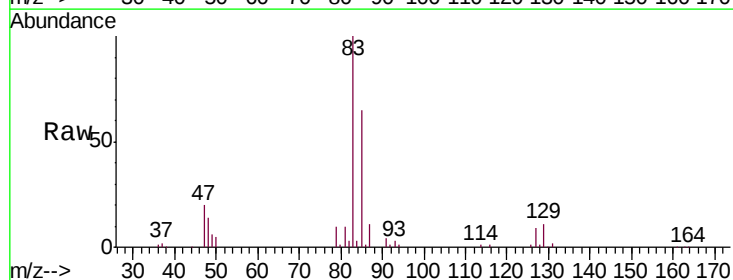
Tgt Ion: 83 Resp: 81539

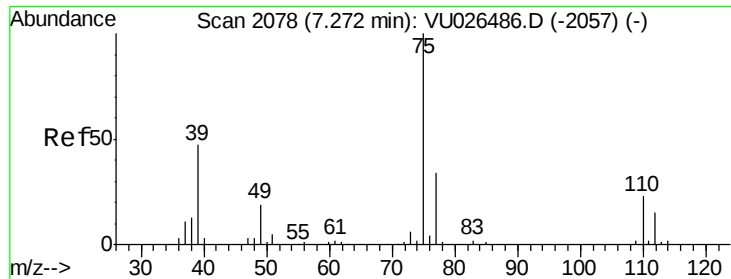
Ion Ratio Lower Upper

83 100

85 64.8 43.9 81.5

127 8.9 7.0 10.6

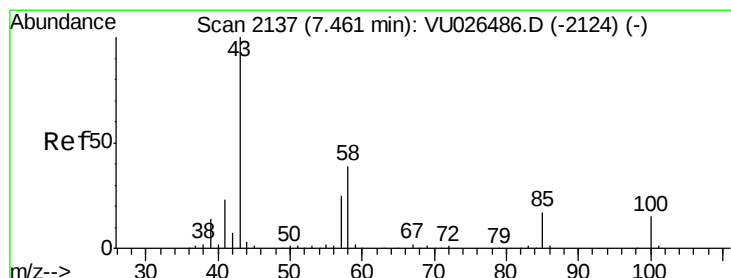
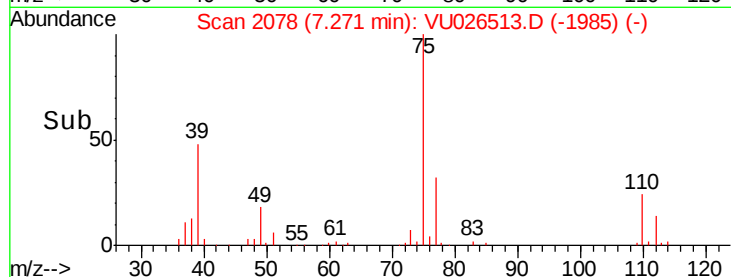
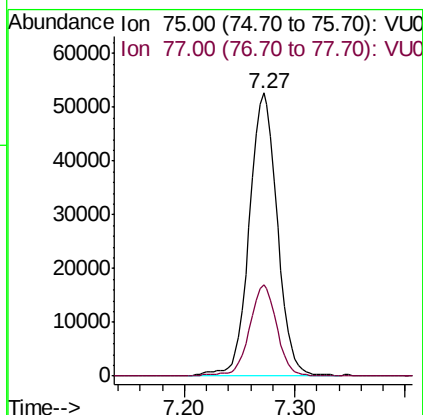
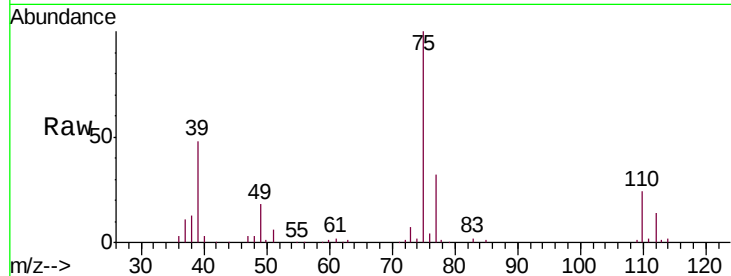




#39
 cis-1,3-Dichloropropene
 Concen: 52.212 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU026513.D
 Acq: 31 Aug 2018 20:27

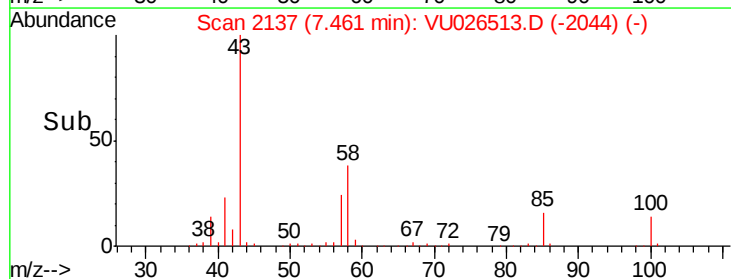
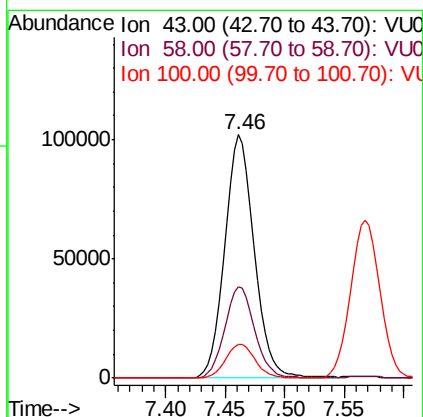
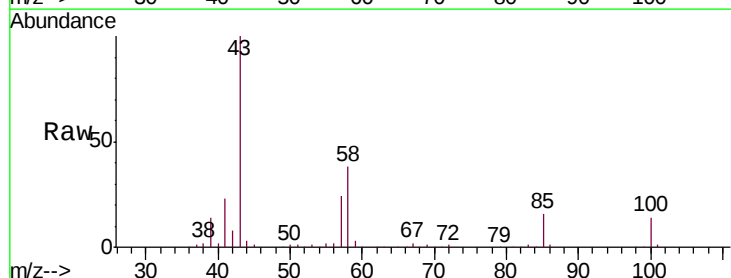
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

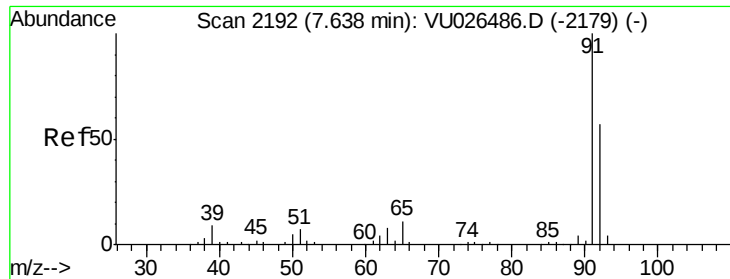
Tgt Ion: 75 Resp: 92793
 Ion Ratio Lower Upper
 75 100
 77 32.4 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 104.215 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU026513.D
 Acq: 31 Aug 2018 20:27

Tgt Ion: 43 Resp: 175302
 Ion Ratio Lower Upper
 43 100
 58 38.1 30.4 45.6
 100 14.1 11.0 16.4





#42

Toluene

Concen: 53.487 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VU026513.D

Acq: 31 Aug 2018 20:27

Instrument :

MSVOA_U

ClientSampleId :

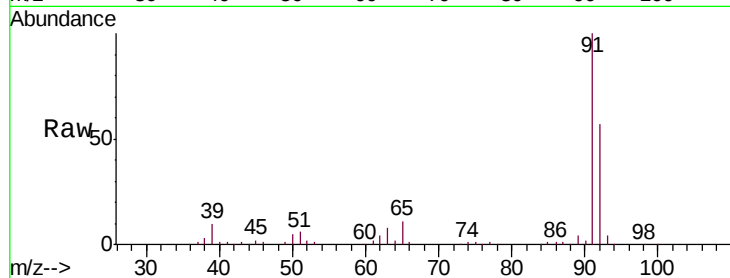
VSTD05058

Tgt Ion: 91 Resp: 251454

Ion Ratio Lower Upper

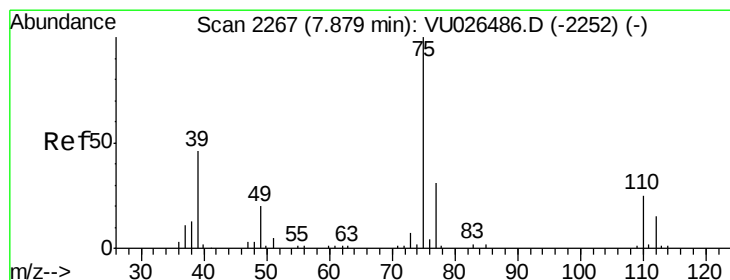
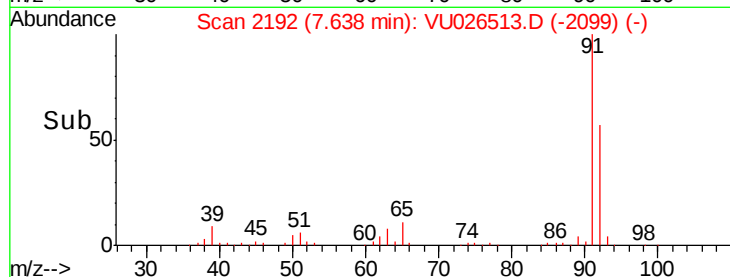
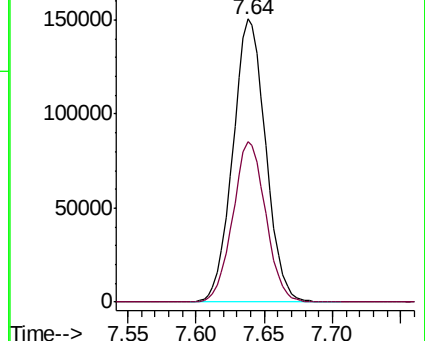
91 100

92 56.9 38.7 71.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 51.947 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU026513.D

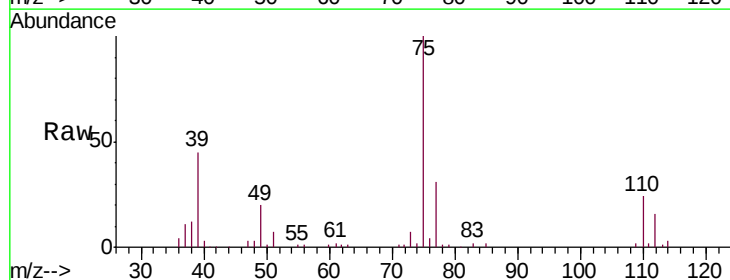
Acq: 31 Aug 2018 20:27

Tgt Ion: 75 Resp: 87996

Ion Ratio Lower Upper

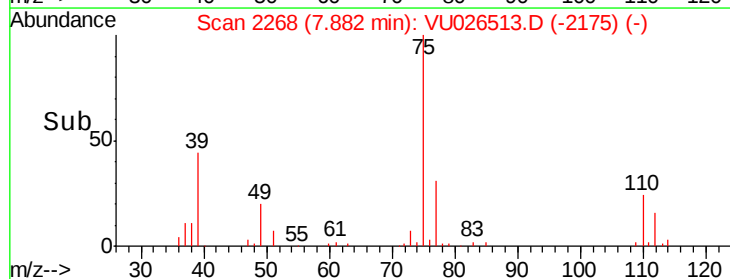
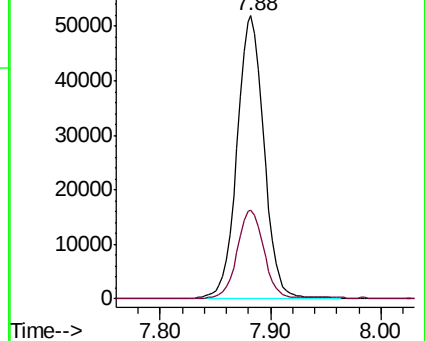
75 100

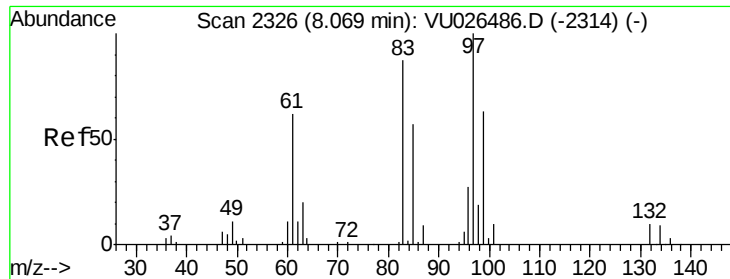
77 31.3 22.1 41.1



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: 52.143 ug/L

RT: 8.07 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU026513.D

Acq: 31 Aug 2018 20:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

Tgt Ion: 97 Resp: 59581

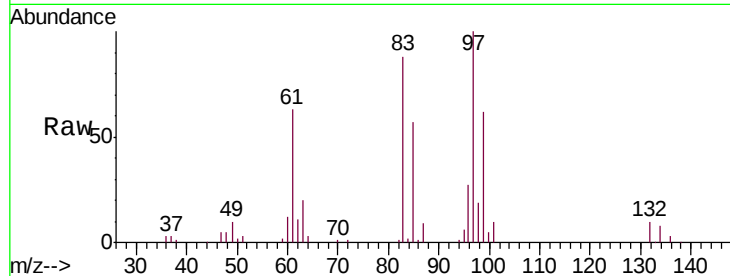
Ion Ratio Lower Upper

97 100

99 62.5 43.9 81.5

83 87.7 62.7 116.5

85 57.4 39.4 73.2

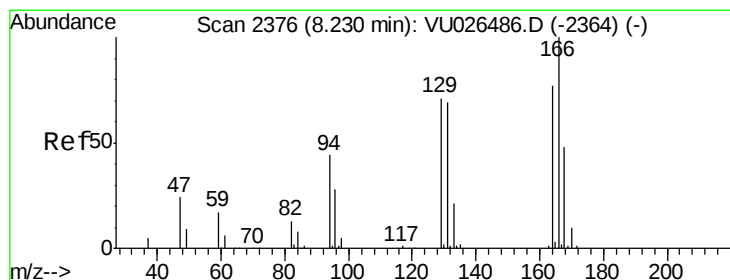
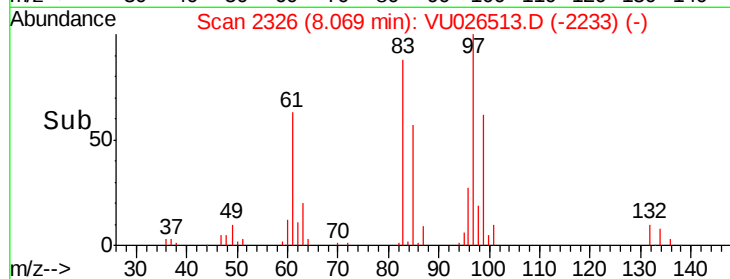
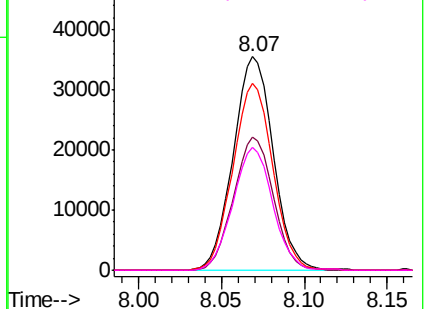


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 54.078 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU026513.D

Acq: 31 Aug 2018 20:27

Tgt Ion: 164 Resp: 49966

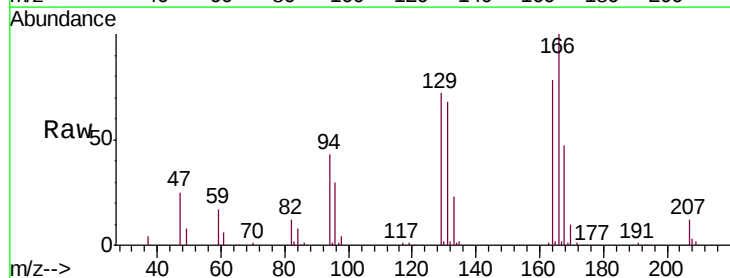
Ion Ratio Lower Upper

164 100

129 91.8 67.3 125.1

131 86.9 65.3 121.3

166 128.2 90.9 168.7

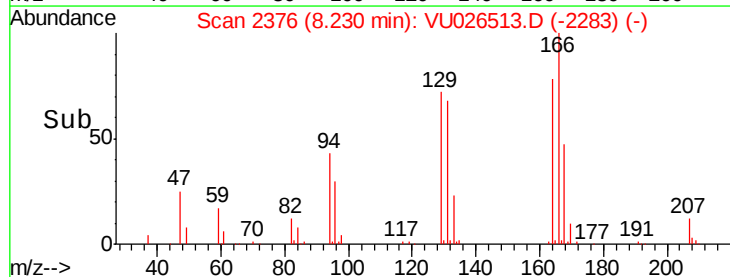
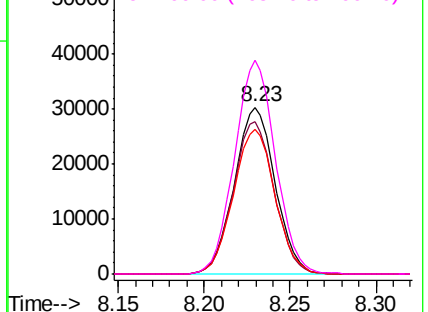


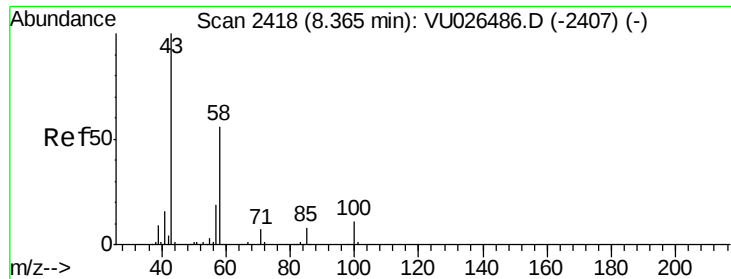
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

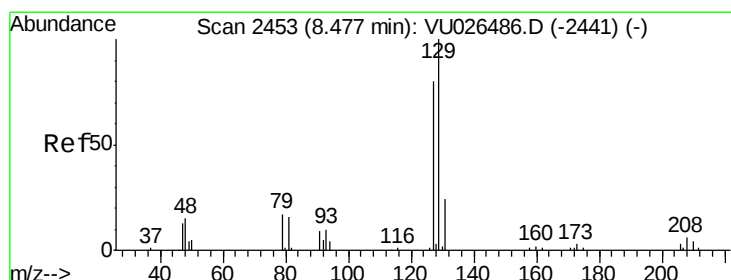
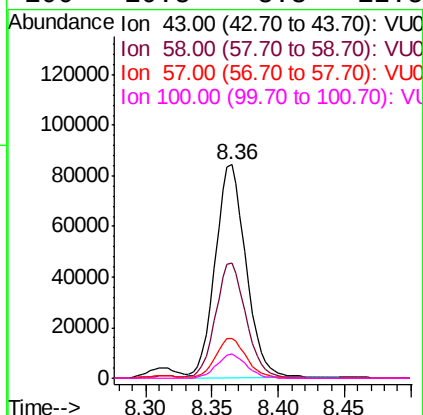
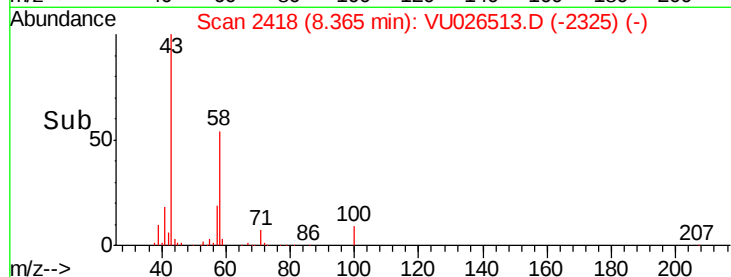
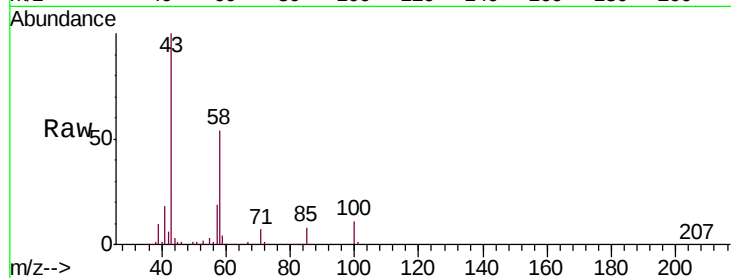




#48
2-Hexanone
Concen: 102.890 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU026513.D
Acq: 31 Aug 2018 20:27

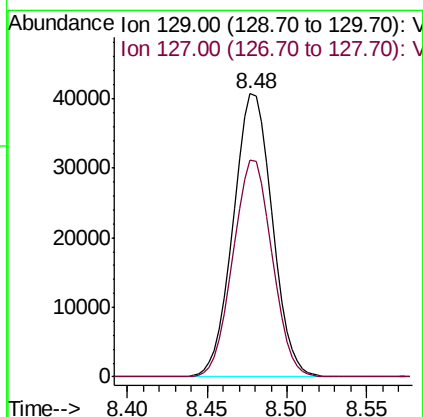
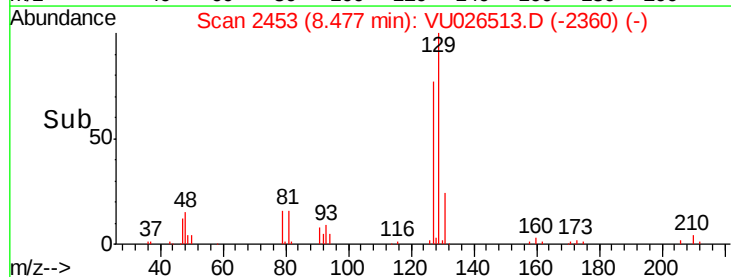
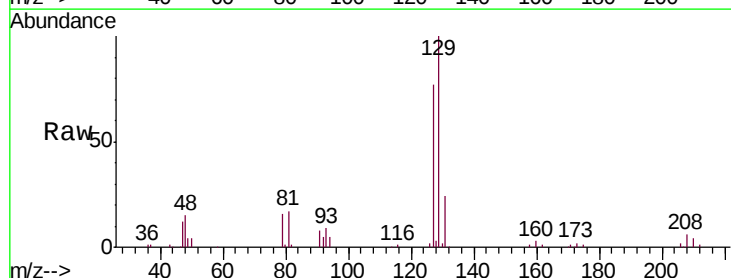
Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

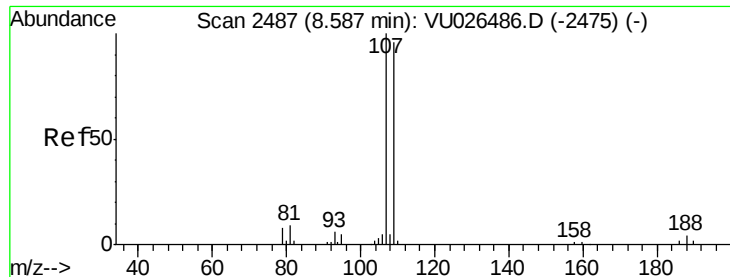
Tgt Ion: 43 Resp: 136310
Ion Ratio Lower Upper
43 100
58 53.8 42.2 63.4
57 18.4 14.6 21.8
100 10.8 8.3 12.5



#49
Dibromochloromethane
Concen: 52.583 ug/L
RT: 8.48 min Scan# 2453
Delta R.T. 0.00 min
Lab File: VU026513.D
Acq: 31 Aug 2018 20:27

Tgt Ion: 129 Resp: 67700
Ion Ratio Lower Upper
129 100
127 76.6 55.0 102.2

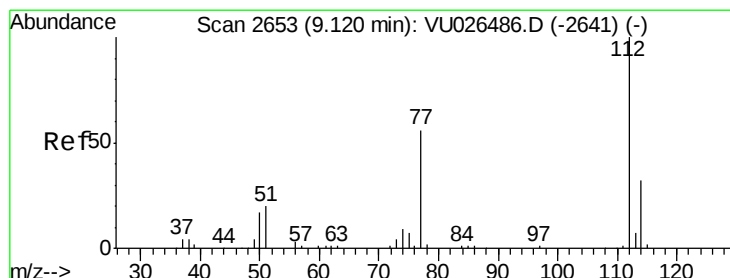
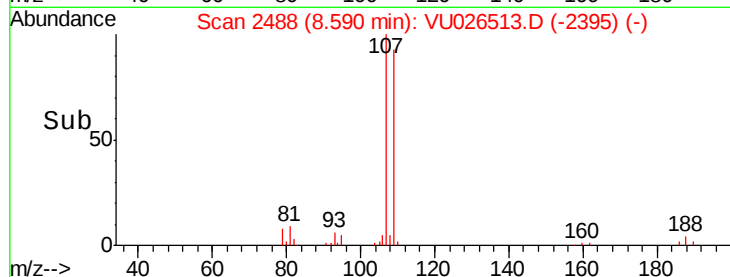
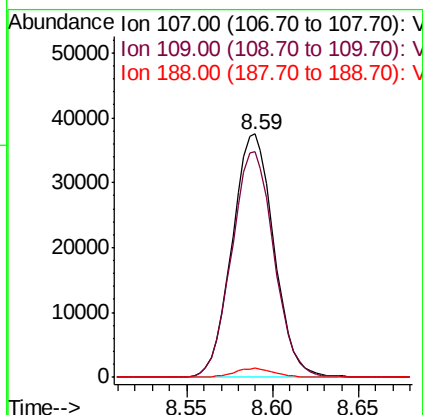
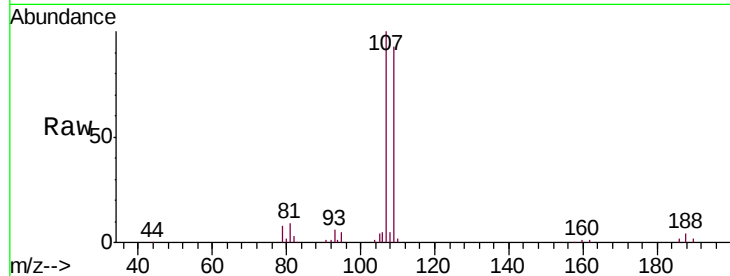




#50
1,2-Dibromoethane
Concen: 52.070 ug/L
RT: 8.59 min Scan# 2488
Delta R.T. 0.00 min
Lab File: VU026513.D
Acq: 31 Aug 2018 20:27

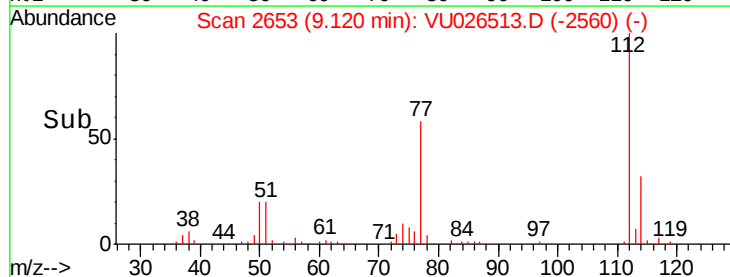
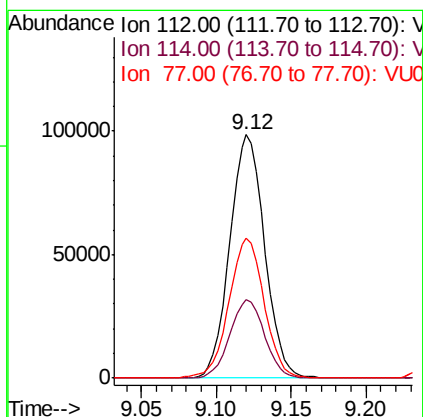
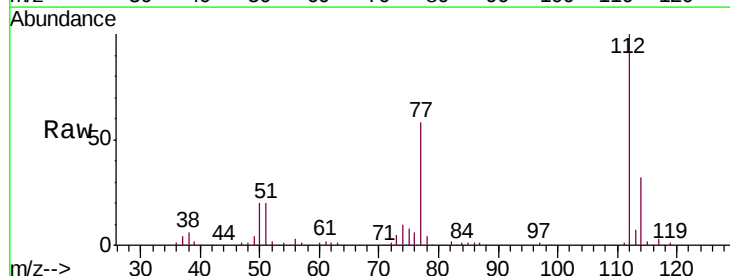
Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

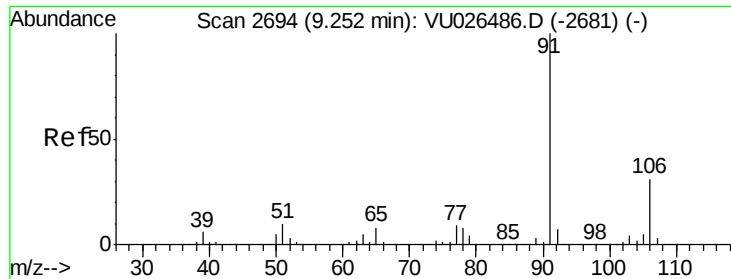
Tgt Ion:107 Resp: 63356
Ion Ratio Lower Upper
107 100
109 92.8 63.4 117.8
188 3.6 3.2 4.8



#51
Chlorobenzene
Concen: 50.831 ug/L
RT: 9.12 min Scan# 2653
Delta R.T. 0.00 min
Lab File: VU026513.D
Acq: 31 Aug 2018 20:27

Tgt Ion:112 Resp: 159803
Ion Ratio Lower Upper
112 100
114 32.2 23.2 43.2
77 57.7 47.3 70.9





#52

Ethylbenzene

Concen: 52.649 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU026513.D

Acq: 31 Aug 2018 20:27

Instrument :

MSVOA_U

ClientSampleId :

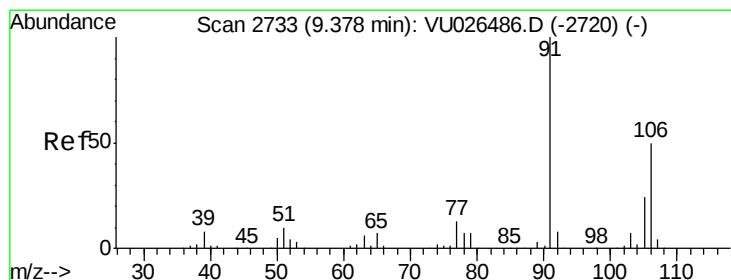
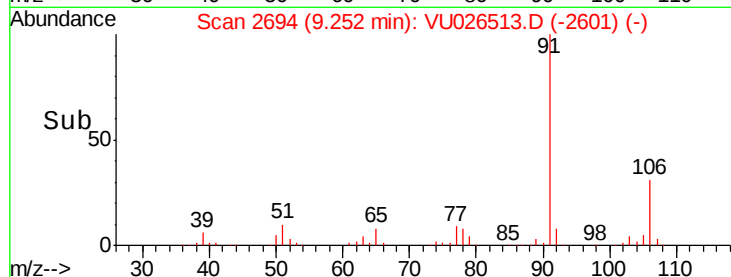
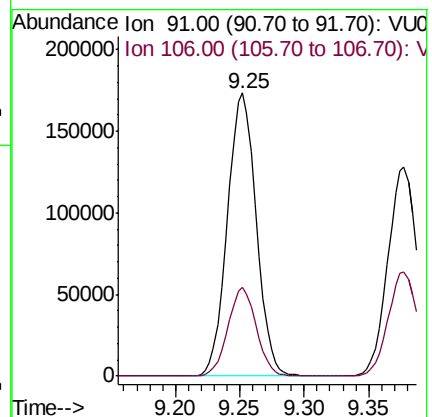
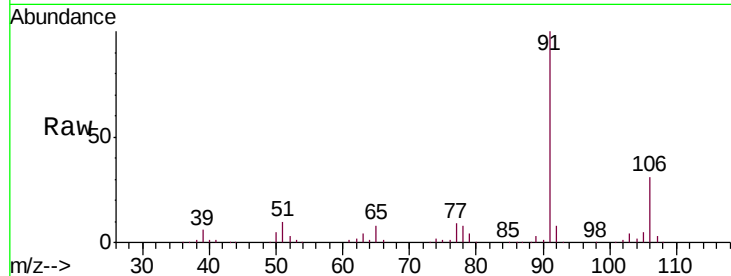
VSTD05058

Tgt Ion: 91 Resp: 269201

Ion Ratio Lower Upper

91 100

106 31.2 21.6 40.2



#53

m,p-Xylene

Concen: 53.782 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026513.D

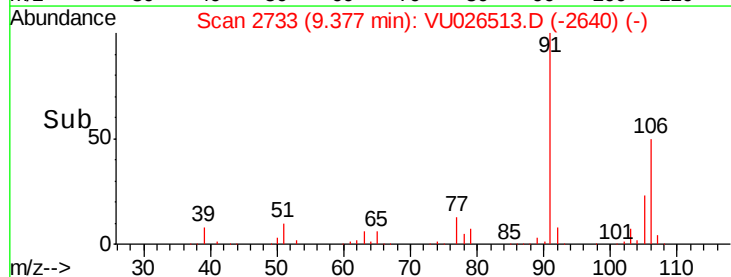
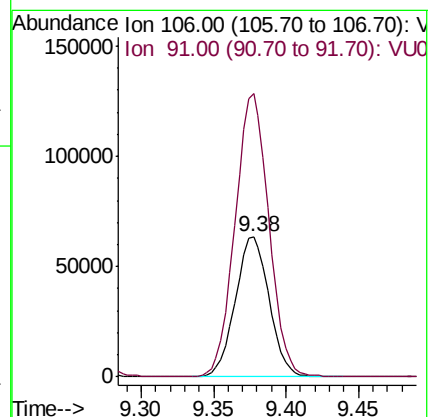
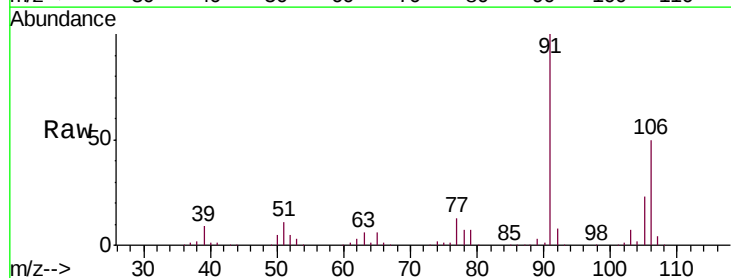
Acq: 31 Aug 2018 20:27

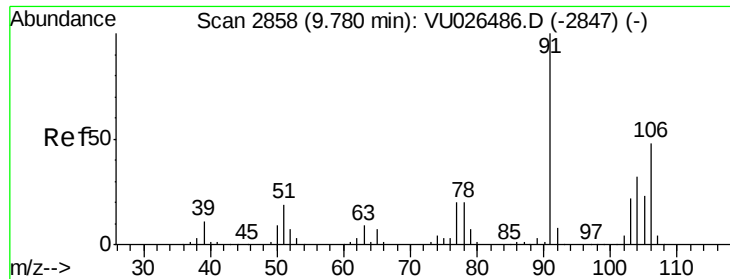
Tgt Ion: 106 Resp: 102679

Ion Ratio Lower Upper

106 100

91 201.3 143.0 265.6





#54

o-xylene

Concen: 55.545 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU026513.D

Acq: 31 Aug 2018 20:27

Instrument :

MSVOA_U

ClientSampleId :

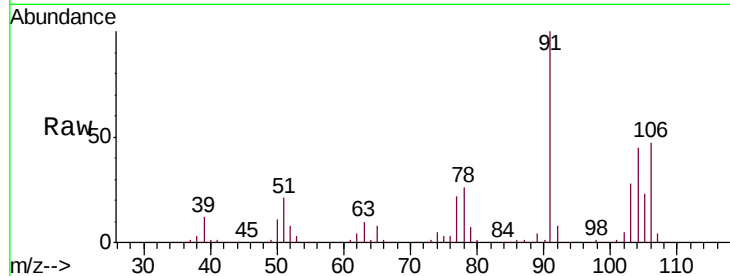
VSTD05058

Tgt Ion:106 Resp: 103415

Ion Ratio Lower Upper

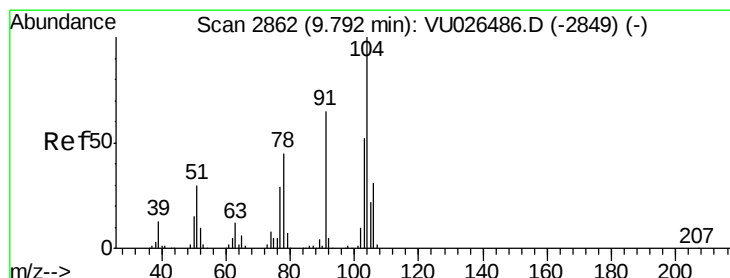
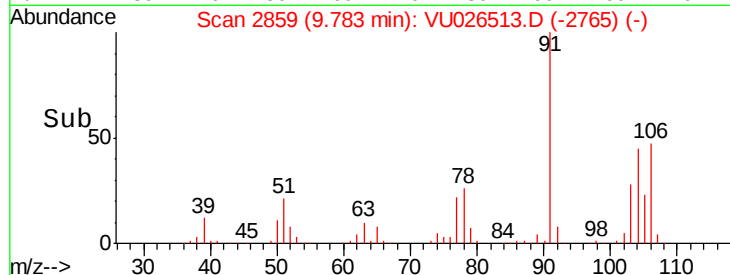
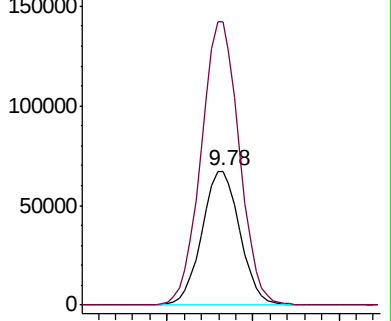
106 100

91 211.3 153.3 284.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 53.319 ug/L

RT: 9.79 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VU026513.D

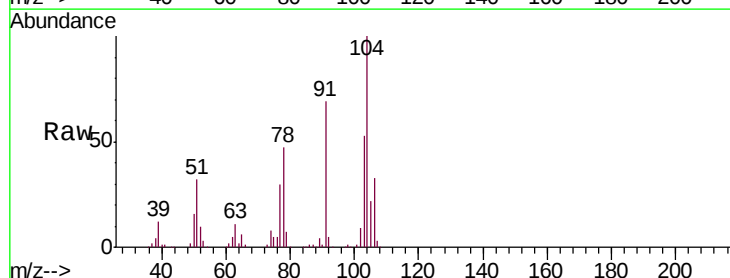
Acq: 31 Aug 2018 20:27

Tgt Ion:104 Resp: 173415

Ion Ratio Lower Upper

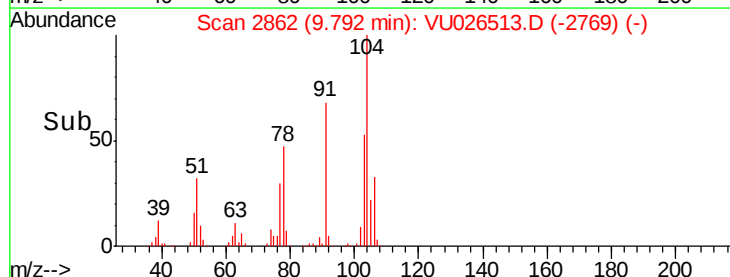
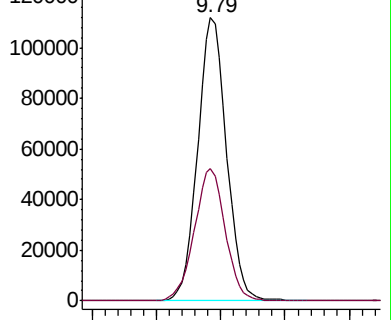
104 100

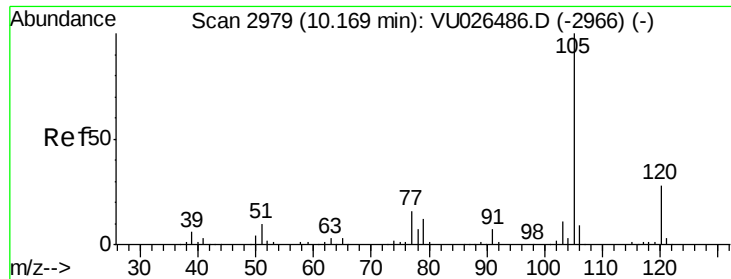
78 46.6 31.1 57.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 53.780 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU026513.D

Acq: 31 Aug 2018 20:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

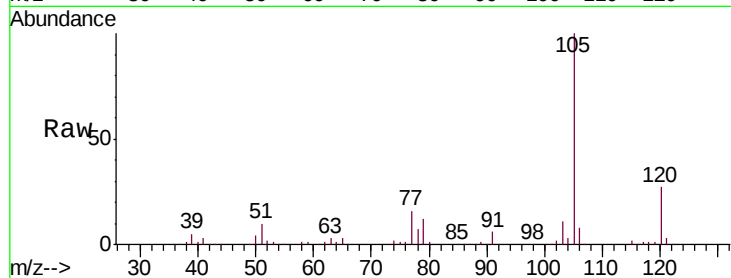
Tgt Ion: 105 Resp: 262102

Ion Ratio Lower Upper

105 100

120 26.4 21.5 32.3

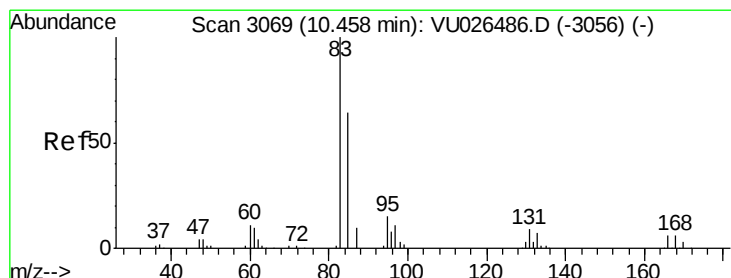
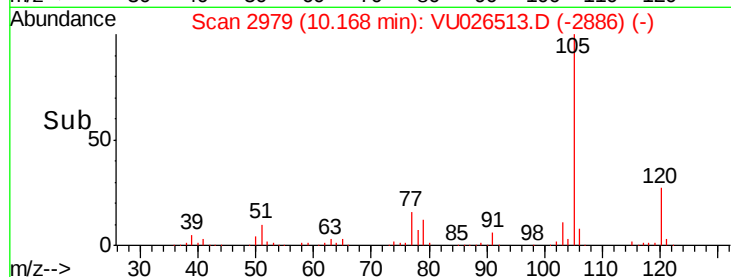
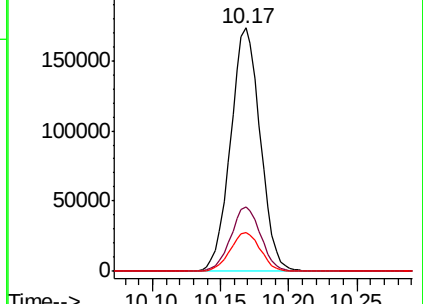
77 16.3 12.9 19.3



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: 51.021 ug/L

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU026513.D

Acq: 31 Aug 2018 20:27

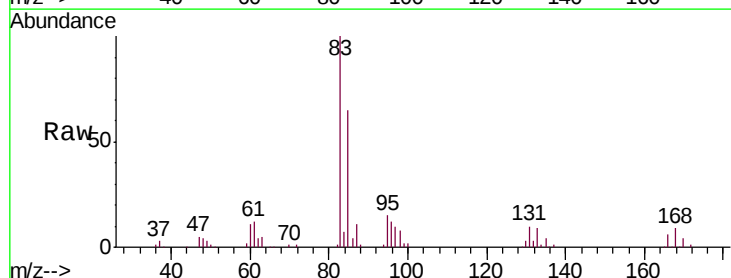
Tgt Ion: 83 Resp: 102693

Ion Ratio Lower Upper

83 100

85 64.5 44.3 82.3

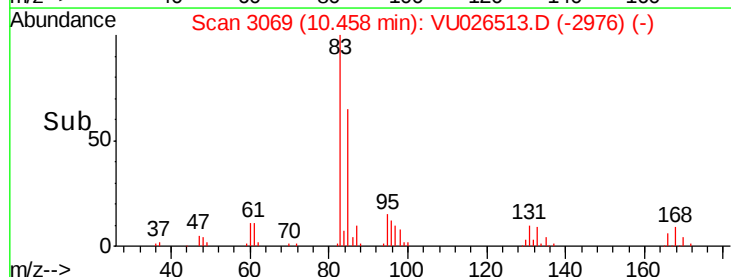
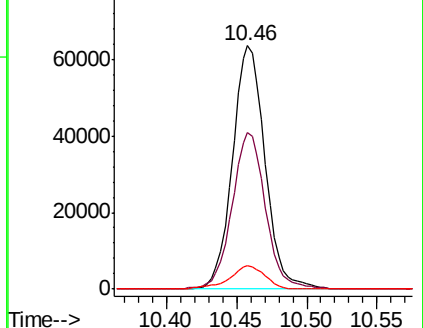
131 9.7 7.8 11.8

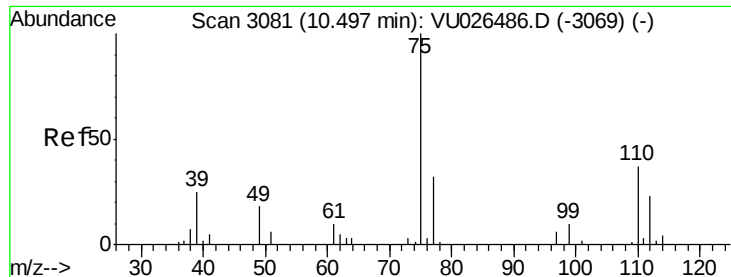


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

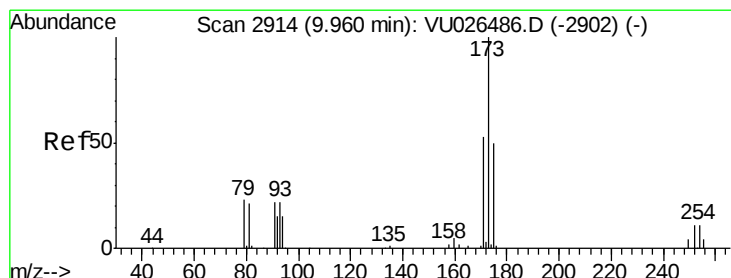
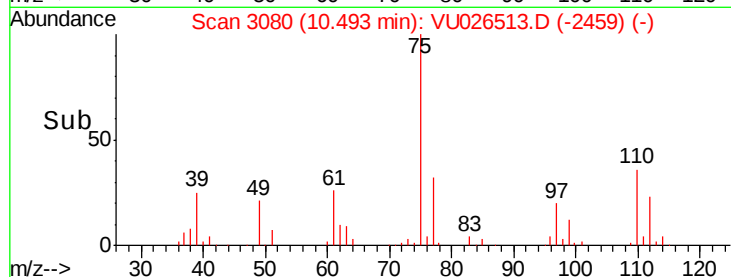
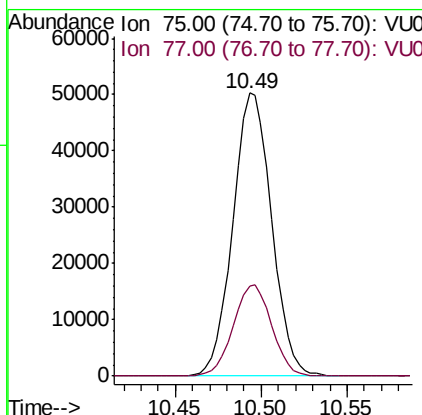
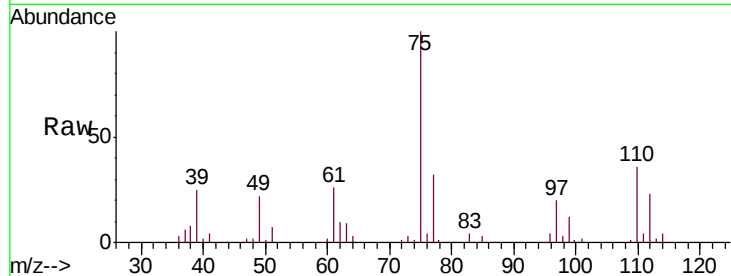




#59
 1,2,3-Trichloropropane
 Concen: 50.787 ug/L
 RT: 10.49 min Scan# 3080
 Delta R.T. -0.00 min
 Lab File: VU026513.D
 Acq: 31 Aug 2018 20:27

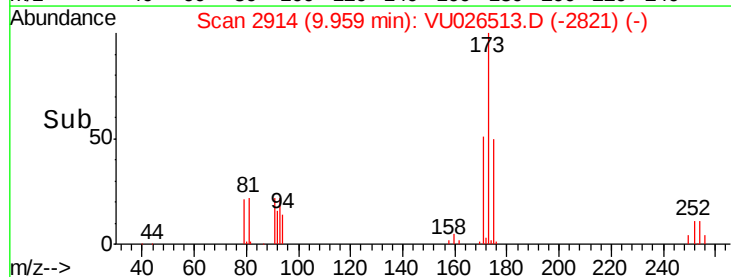
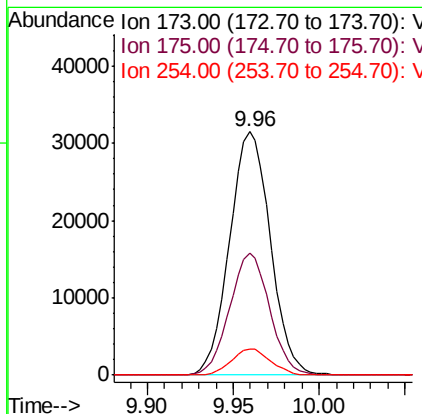
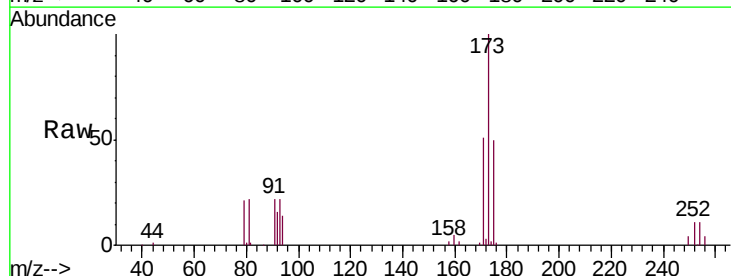
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

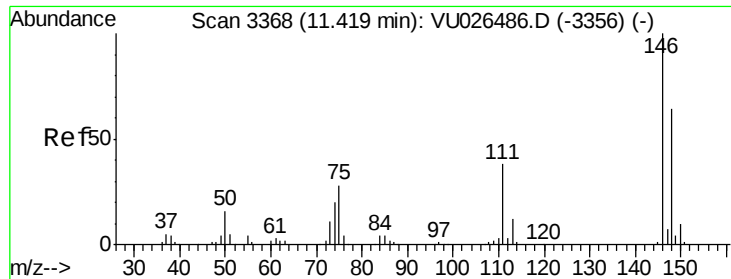
Tgt Ion: 75 Resp: 79042
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.0 37.6



#61
 Bromoform
 Concen: 54.025 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. 0.00 min
 Lab File: VU026513.D
 Acq: 31 Aug 2018 20:27

Tgt Ion: 173 Resp: 51855
 Ion Ratio Lower Upper
 173 100
 175 48.9 38.5 57.7
 254 10.3 8.1 12.1

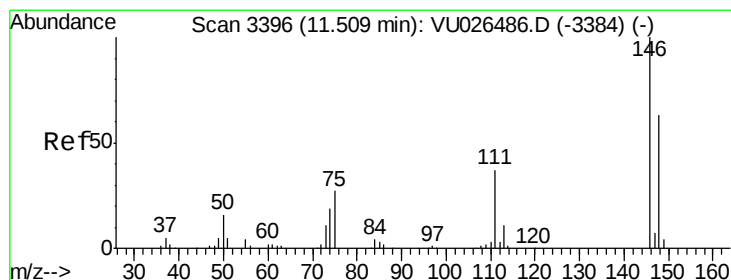
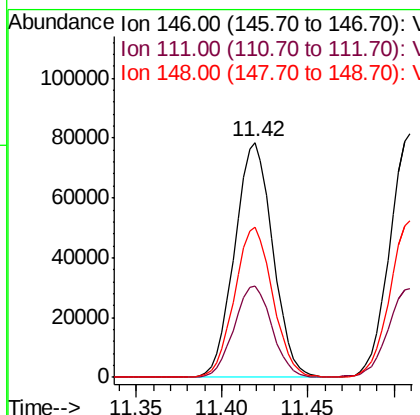
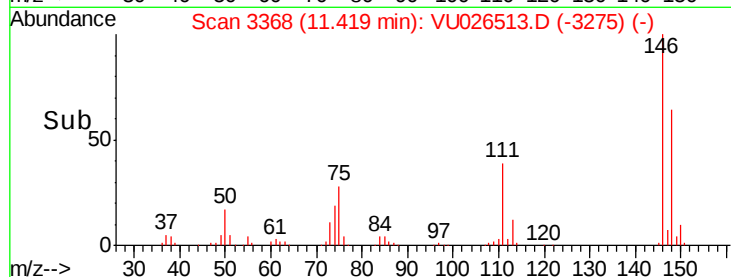
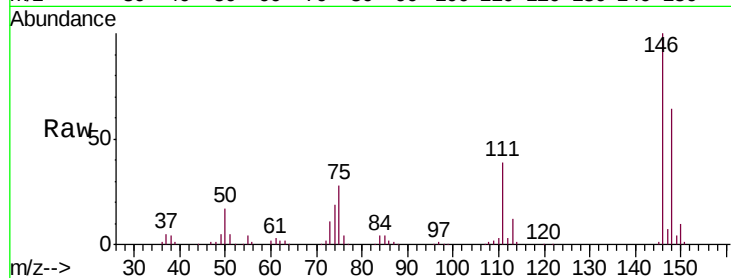




#62
 1,3-Dichlorobenzene
 Concen: 53.191 ug/L
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU026513.D
 Acq: 31 Aug 2018 20:27

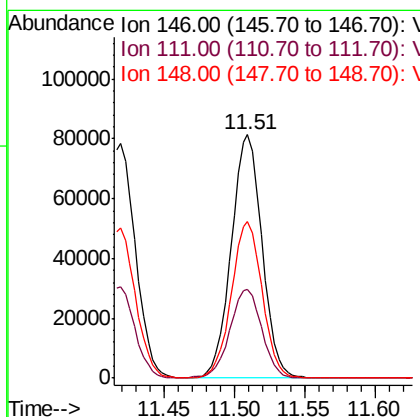
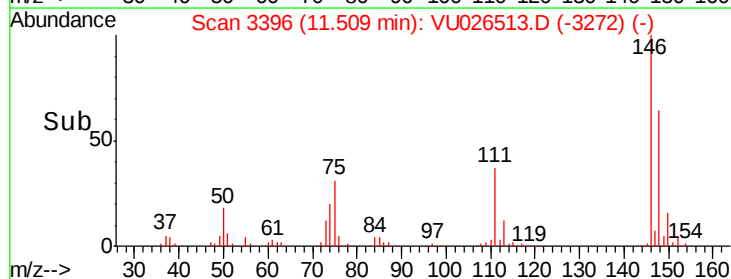
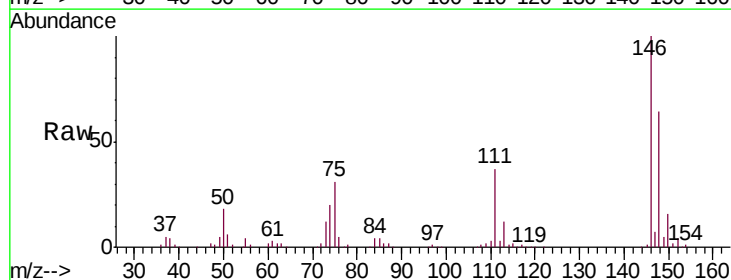
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

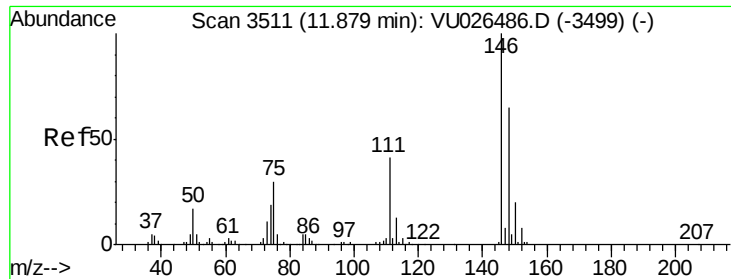
Tgt Ion:146 Resp: 121046
 Ion Ratio Lower Upper
 146 100
 111 38.7 27.5 51.1
 148 63.7 44.9 83.3



#63
 1,4-Dichlorobenzene
 Concen: 51.706 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU026513.D
 Acq: 31 Aug 2018 20:27

Tgt Ion:146 Resp: 124455
 Ion Ratio Lower Upper
 146 100
 111 36.7 26.2 48.6
 148 64.2 44.9 83.5





#65

1,2-Dichlorobenzene

Concen: 54.567 ug/L

RT: 11.88 min Scan# 3511

Delta R.T. 0.00 min

Lab File: VU026513.D

Acq: 31 Aug 2018 20:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

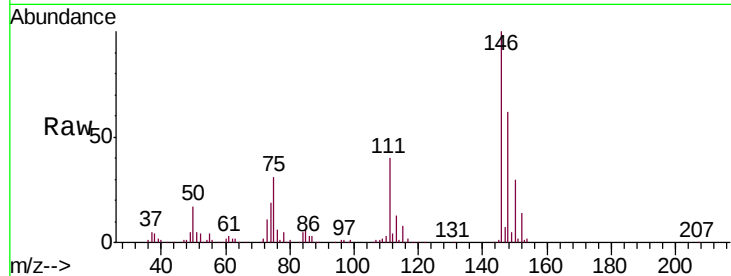
Tgt Ion:146 Resp: 130976

Ion Ratio Lower Upper

146 100

111 39.9 32.0 48.0

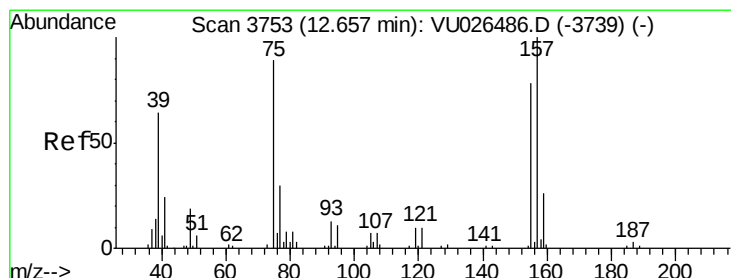
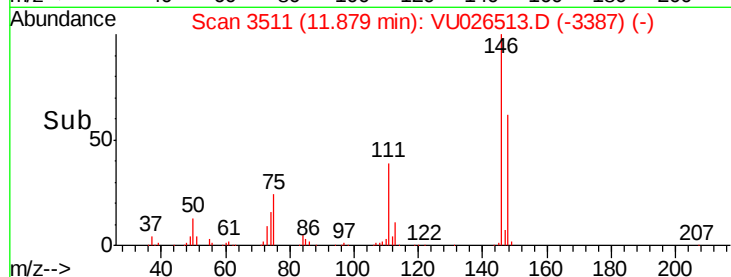
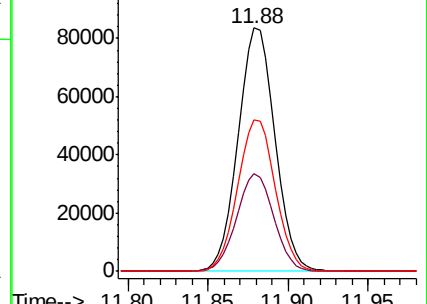
148 62.0 50.2 75.2



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: 52.065 ug/L

RT: 12.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VU026513.D

Acq: 31 Aug 2018 20:27

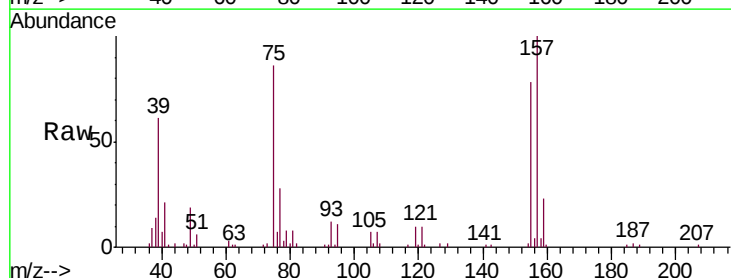
Tgt Ion: 75 Resp: 21014

Ion Ratio Lower Upper

75 100

155 91.2 69.8 104.8

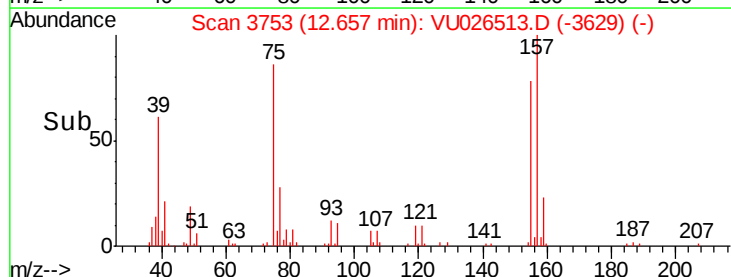
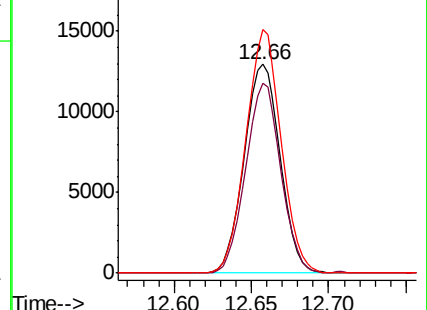
157 116.7 89.8 134.8

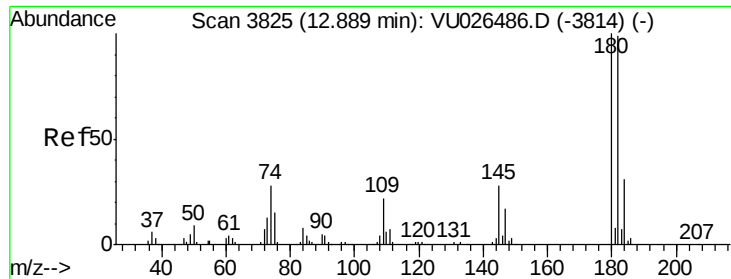


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

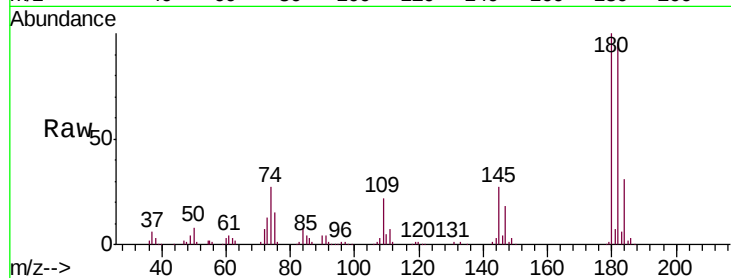




#67
 1,3,5-Trichlorobenzene
 Concen: 52.623 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. 0.00 min
 Lab File: VU026513.D
 Acq: 31 Aug 2018 20:27

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

Tgt Ion:	180	Resp:	96643
Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.5	114.7
184	30.3	25.0	37.4
145	27.2	22.3	33.5



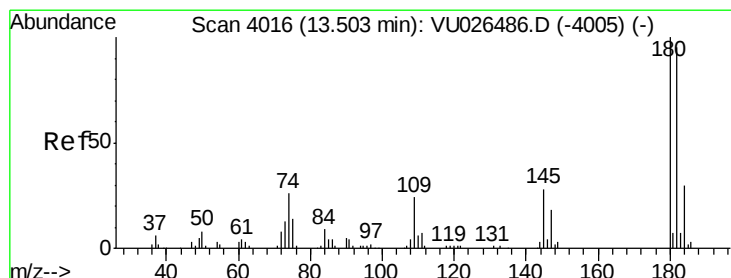
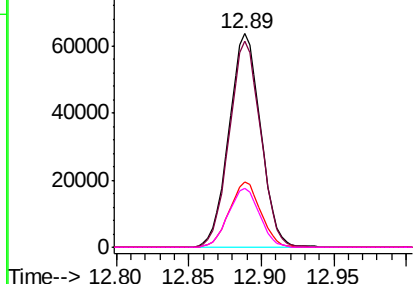
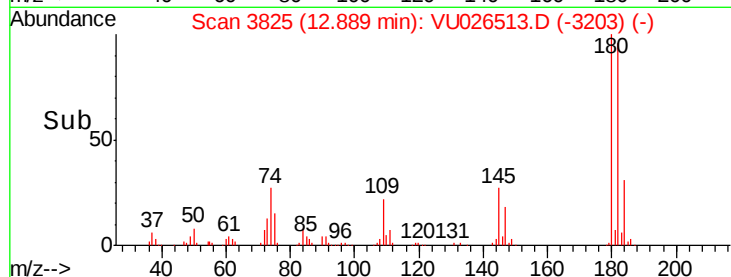
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

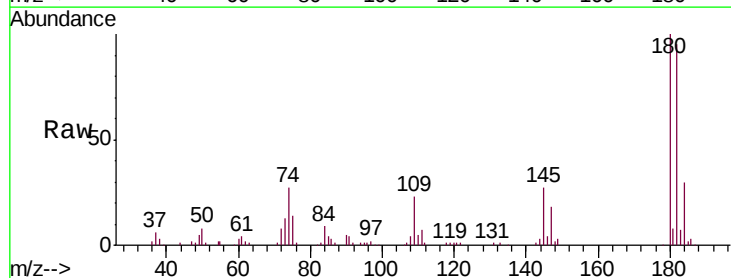
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 52.894 ug/L
 RT: 13.50 min Scan# 4016
 Delta R.T. -0.00 min
 Lab File: VU026513.D
 Acq: 31 Aug 2018 20:27

Tgt Ion:	180	Resp:	84845
Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.6	114.8
145	27.5	22.4	33.6

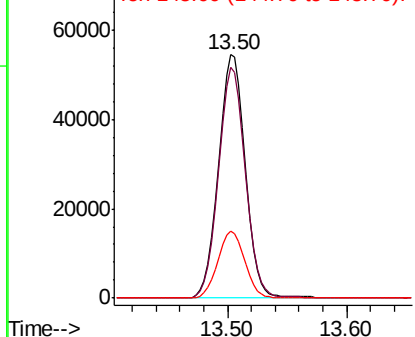
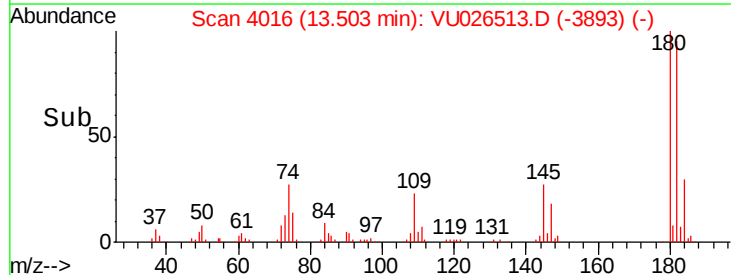


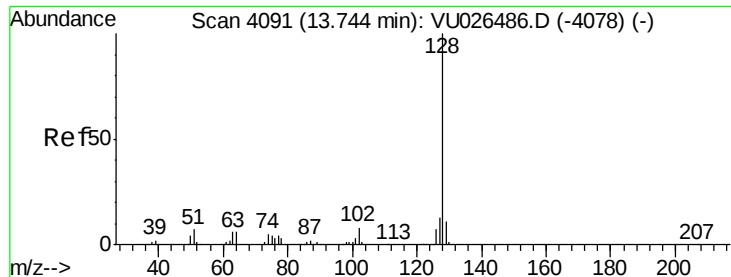
Abundance

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: 55.463 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU026513.D

Acq: 31 Aug 2018 20:27

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

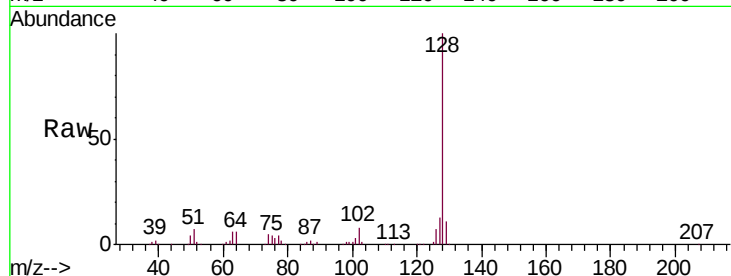
Tgt Ion:128 Resp: 277778

Ion Ratio Lower Upper

128 100

127 13.4 10.5 15.7

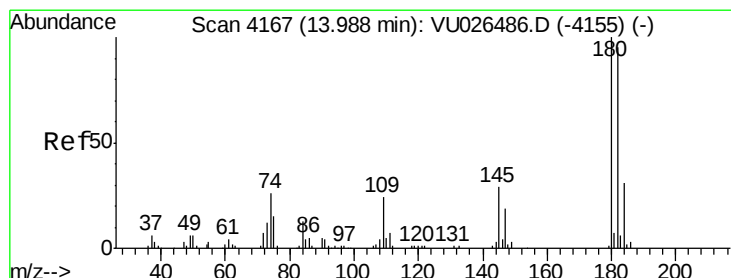
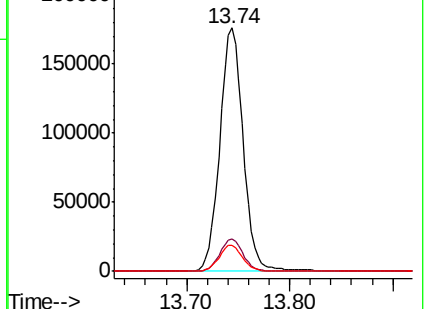
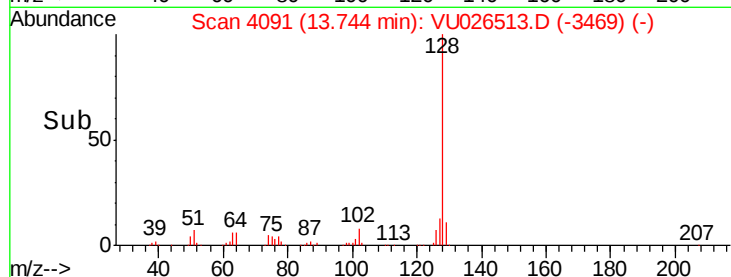
129 10.6 8.5 12.7



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: 52.965 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU026513.D

Acq: 31 Aug 2018 20:27

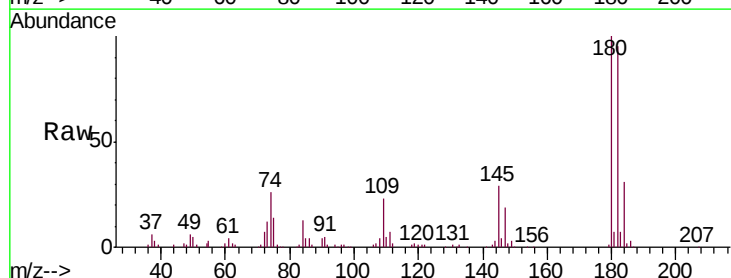
Tgt Ion:180 Resp: 93289

Ion Ratio Lower Upper

180 100

182 95.0 76.5 114.7

145 29.5 23.9 35.9



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

