

Data File : VU026515.D
Acq On : 04 Sep 2018 08:45
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

Quant Time: Sep 05 00:53:00 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Sep 01 06:27:57 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	182023	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	173473	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	88457	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	69776	61.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	123.74%
7) Chloroethane-d5	1.68	69	58227	57.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	114.34%
11) 1,1-Dichloroethene-d2	2.27	63	134874	53.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.20%
21) 2-Butanone-d5	4.18	46	83746	95.68	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.68%
24) Chloroform-d	4.65	84	108611	50.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.98%
26) 1,2-Dichloroethane-d4	5.31	65	74652	52.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.28%
32) Benzene-d6	5.34	84	228272	57.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.18%
36) 1,2-Dichloropropane-d6	6.33	67	76177	55.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.92%
41) Toluene-d8	7.57	98	218908	56.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.44%
43) trans-1,3-Dichloropropene-	7.85	79	36114	57.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	115.16%
47) 2-Hexanone-d5	8.31	63	67129	106.56	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.56%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	107312	53.03	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.06%
64) 1,2-Dichlorobenzene-d4	11.86	152	89500	55.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.54%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	69957	49.290 ug/L	99
3) Chloromethane	1.33	50	81947	46.761 ug/L	100
5) Vinyl chloride	1.40	62	88257	46.454 ug/L	98
6) Bromomethane	1.62	94	53996	47.940 ug/L	99
8) Chloroethane	1.70	64	53219	46.655 ug/L	100
9) Trichlorofluoromethane	1.89	101	115464	47.793 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	68394	50.736 ug/L	99
12) 1,1-Dichloroethene	2.28	96	63026	48.509 ug/L	96
13) Acetone	2.32	43	95668	126.221 ug/L	99
14) Carbon disulfide	2.48	76	177701	48.330 ug/L	100
15) Methyl Acetate	2.61	43	68447	45.992 ug/L	98
16) Methylene chloride	2.70	84	66475	49.764 ug/L	100
17) trans-1,2-Dichloroethene	2.98	96	58212	49.534 ug/L	96
18) Methyl tert-butyl Ether	3.00	73	187649	52.599 ug/L	99
19) 1,1-Dichloroethane	3.45	63	114907	49.761 ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	67714	51.434 ug/L	98
22) 2-Butanone	4.26	43	109199	107.186 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	35291	52.031	ug/L	87
25) Chloroform	4.67	83	124130	52.636	ug/L	96
27) 1,2-Dichloroethane	5.41	62	95471	50.196	ug/L	99
29) Cyclohexane	5.00	56	100911	53.389	ug/L	97
30) 1,1,1-Trichloroethane	4.92	97	98928	51.823	ug/L	99
31) Carbon tetrachloride	5.14	117	91370	52.678	ug/L	100
33) Benzene	5.39	78	258833	52.045	ug/L	100
34) Trichloroethene	6.19	95	64353	51.588	ug/L	99
35) Methylcyclohexane	6.42	83	110258	56.605	ug/L	98
37) 1,2-Dichloropropane	6.44	63	72557	52.700	ug/L	100
38) Bromodichloromethane	6.76	83	90413	51.496	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	106402	54.238	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	183652	98.909	ug/L	99
42) Toluene	7.64	91	276373	53.258	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	100472	53.733	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	63925	50.683	ug/L	99
46) Tetrachloroethene	8.23	164	56124	55.030	ug/L	98
48) 2-Hexanone	8.36	43	152542	104.312	ug/L	98
49) Dibromochloromethane	8.48	129	75652	53.233	ug/L	99
50) 1,2-Dibromoethane	8.59	107	68511	51.010	ug/L	97
51) Chlorobenzene	9.12	112	177326	51.099	ug/L	98
52) Ethylbenzene	9.25	91	297852	52.773	ug/L	99
53) m,p-Xylene	9.38	106	114698	54.426	ug/L	99
54) o-xylene	9.78	106	112485	54.734	ug/L	96
55) Styrene	9.79	104	194696	54.231	ug/L	98
56) Isopropylbenzene	10.17	105	294015	54.654	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	111177	50.041	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	83276	48.474	ug/L	98
61) Bromoform	9.96	173	59085	54.119	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	136943	52.905	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	141414	51.653	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	145365	53.244	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	22889	49.859	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	113143	54.163	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	99189	54.364	ug/L	99
69) Naphthalene	13.74	128	304899	53.522	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	106463	53.141	ug/L	99

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

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MSVOA_U
ClientSampleId :
VSTD05042

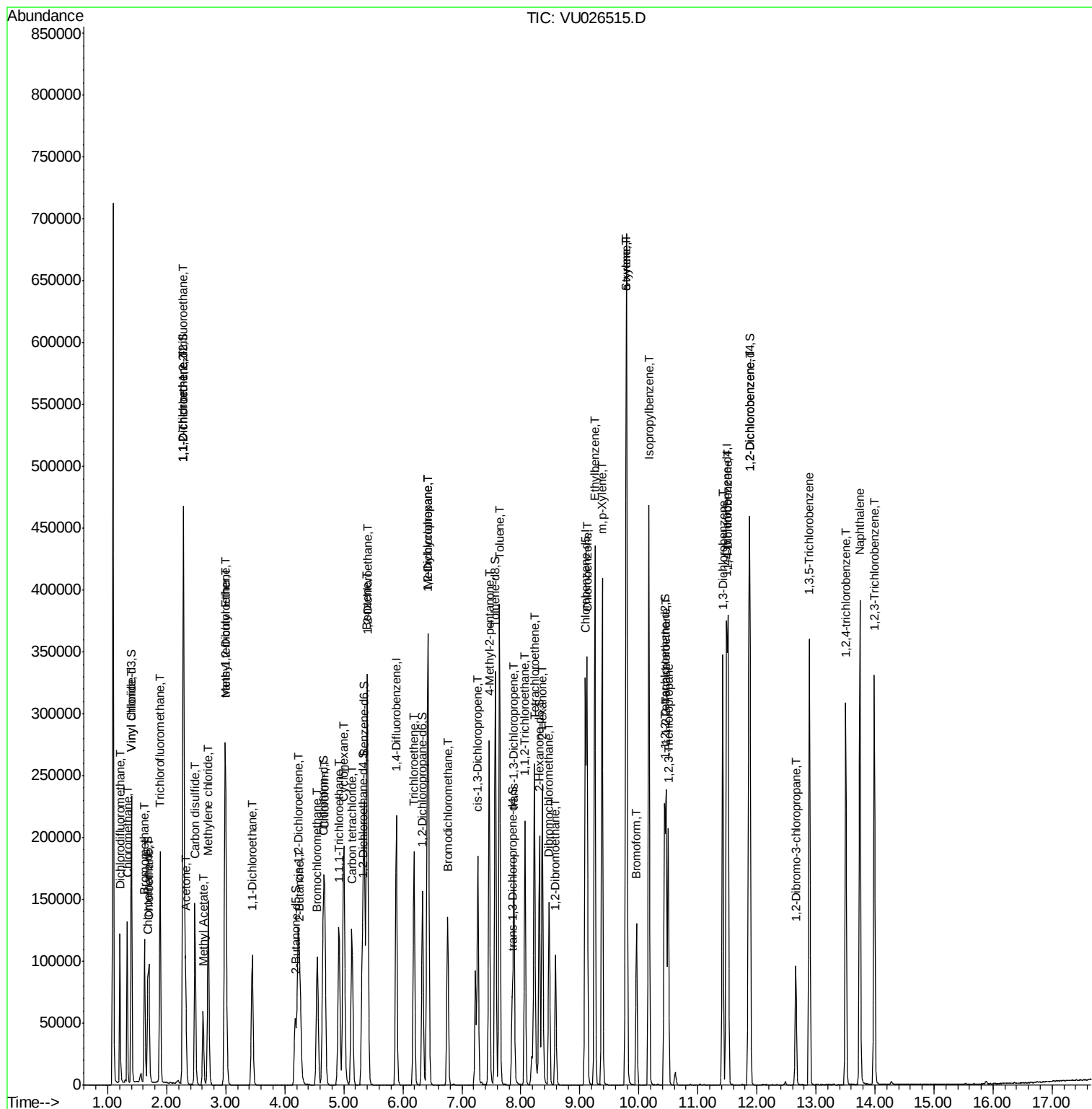
Quant Time: Sep 05 00:53:00 2018

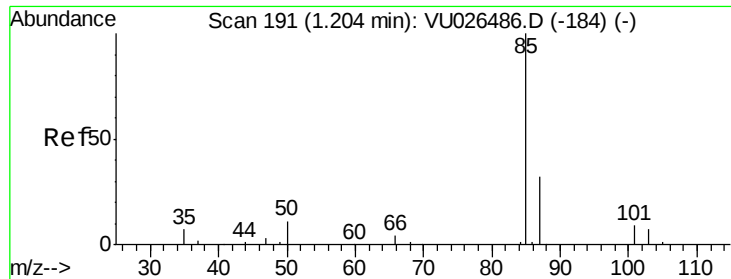
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMULM082918WMA.M

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 49.290 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU026515.D

Acq: 04 Sep 2018 08:45

Instrument :

MSVOA_U

ClientSampleId :

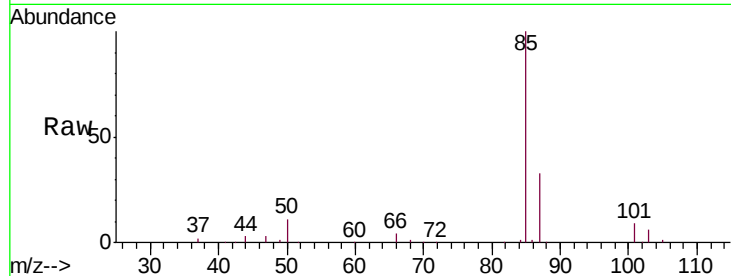
VSTD05042

Tgt Ion: 85 Resp: 69957

Ion Ratio Lower Upper

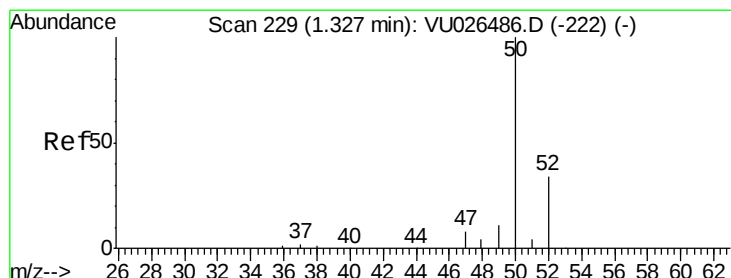
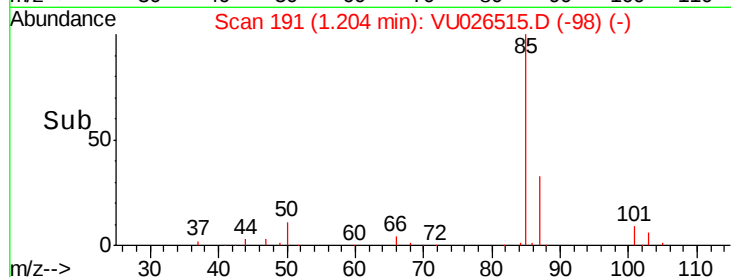
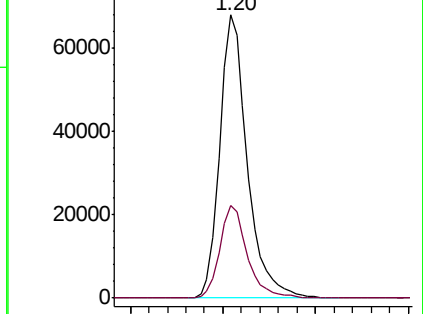
85 100

87 32.8 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: 46.761 ug/L

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU026515.D

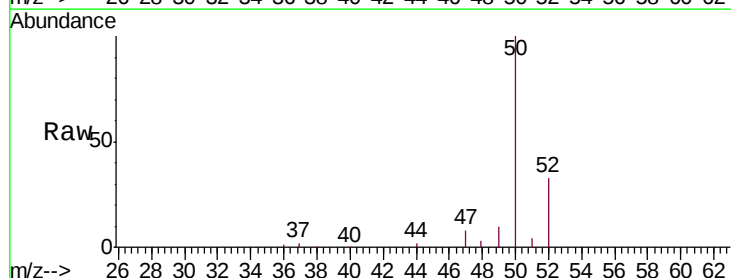
Acq: 04 Sep 2018 08:45

Tgt Ion: 50 Resp: 81947

Ion Ratio Lower Upper

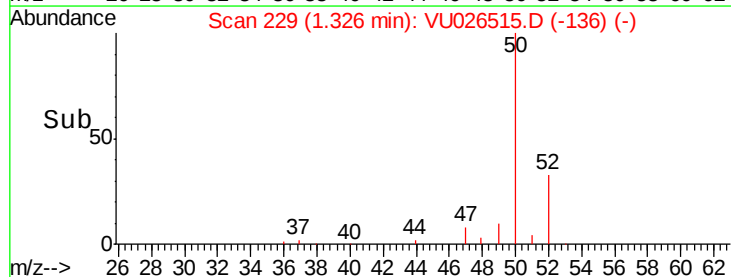
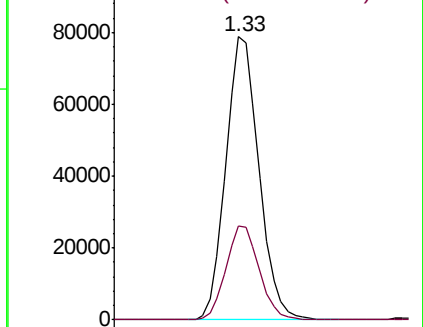
50 100

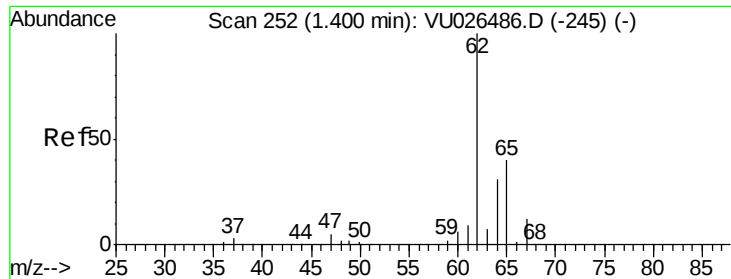
52 33.0 23.0 42.6



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: 46.454 ug/L

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU026515.D

Acq: 04 Sep 2018 08:45

Instrument :

MSVOA_U

ClientSampleId :

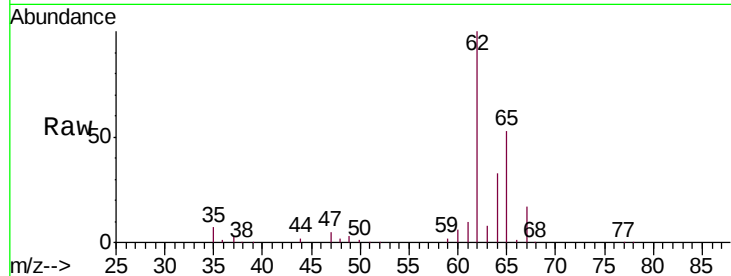
VSTD05042

Tgt Ion: 62 Resp: 88257

Ion Ratio Lower Upper

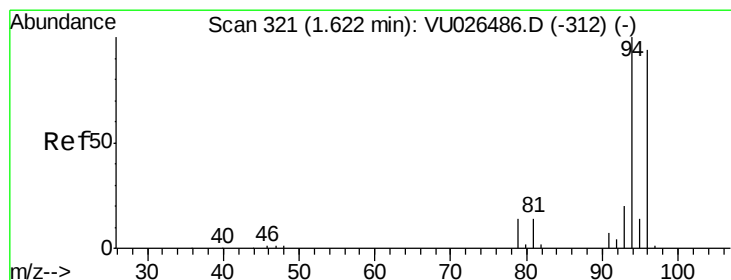
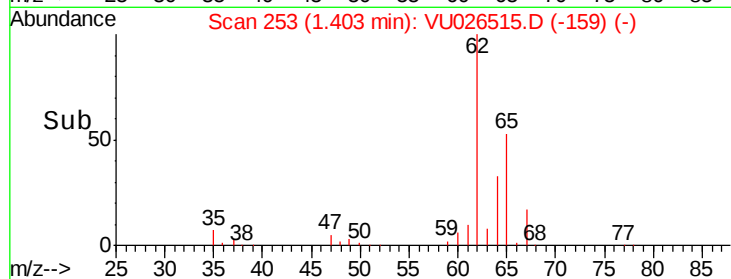
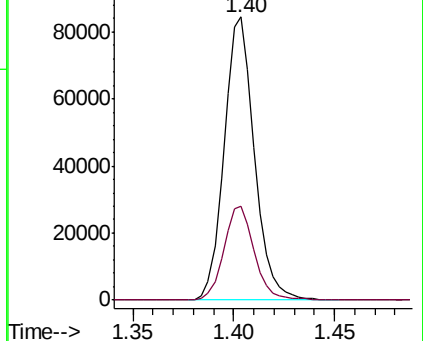
62 100

64 33.2 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: 47.940 ug/L

RT: 1.62 min Scan# 321

Delta R.T. -0.00 min

Lab File: VU026515.D

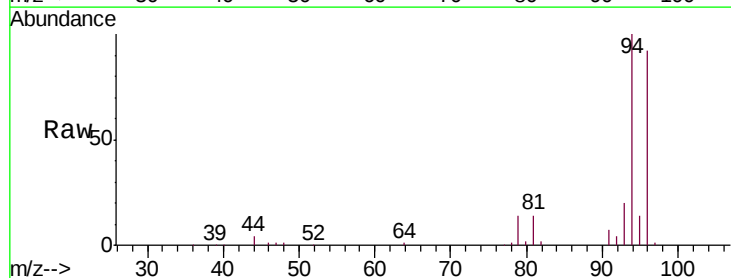
Acq: 04 Sep 2018 08:45

Tgt Ion: 94 Resp: 53996

Ion Ratio Lower Upper

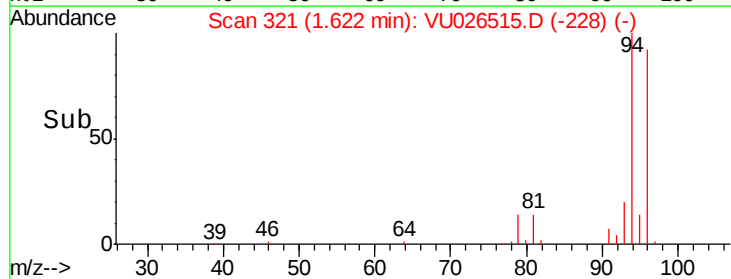
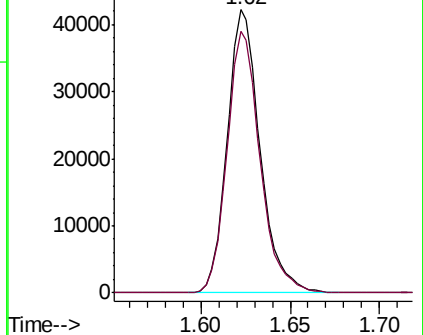
94 100

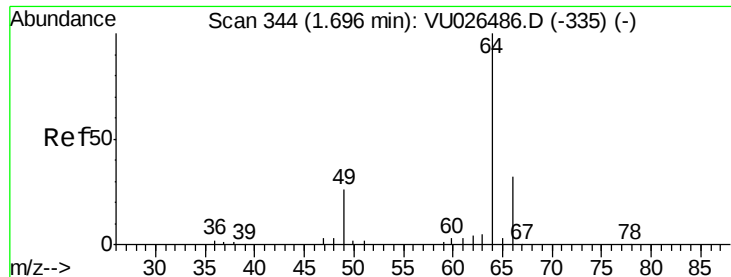
96 92.4 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 46.655 ug/L

RT: 1.70 min Scan# 344

Delta R.T. -0.00 min

Lab File: VU026515.D

Acq: 04 Sep 2018 08:45

Instrument :

MSVOA_U

ClientSampleId :

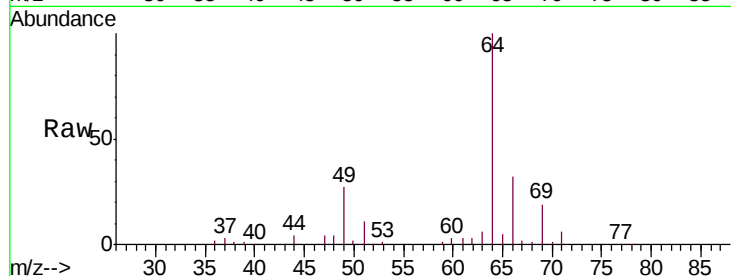
VSTD05042

Tgt Ion: 64 Resp: 53219

Ion Ratio Lower Upper

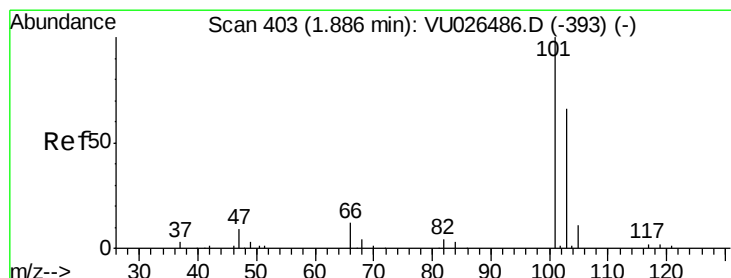
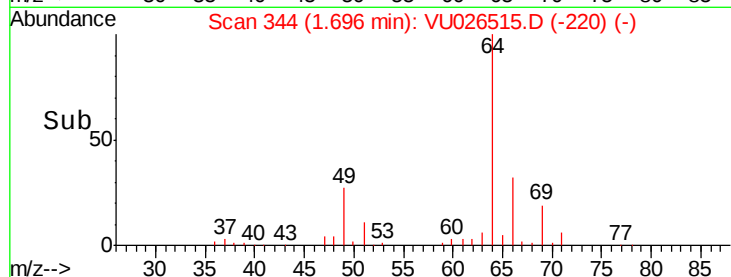
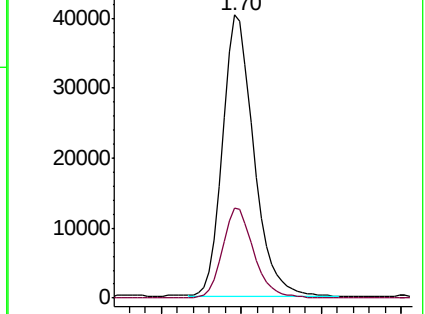
64 100

66 31.7 22.2 41.2



Abundance Ion 64.00 (63.70 to 64.70): VU026515.D (-220) (-)

Ion 66.00 (65.70 to 66.70): VU026515.D (-220) (-)



#9

Trichlorofluoromethane

Concen: 47.793 ug/L

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU026515.D

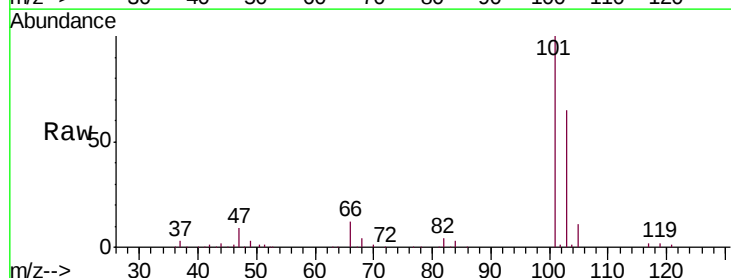
Acq: 04 Sep 2018 08:45

Tgt Ion: 101 Resp: 115464

Ion Ratio Lower Upper

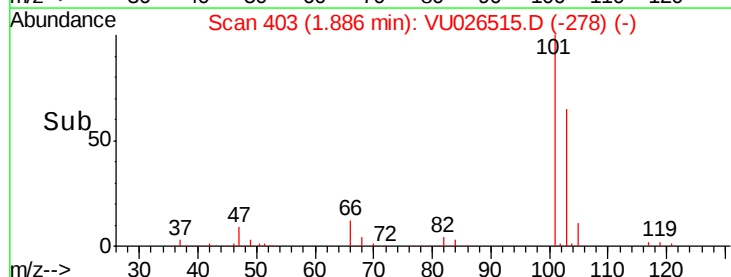
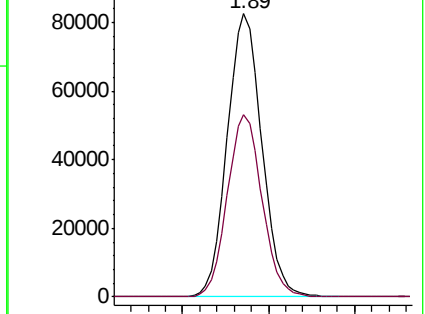
101 100

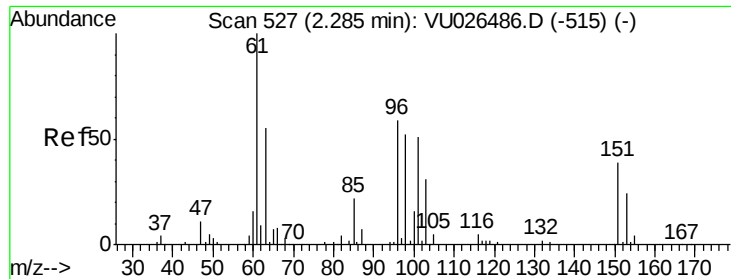
103 64.4 52.7 79.1



Abundance Ion 101.00 (100.70 to 101.70): VU026515.D (-278) (-)

Ion 103.00 (102.70 to 103.70): VU026515.D (-278) (-)





#10

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

Concen: 50.736 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU026515.D

Acq: 04 Sep 2018 08:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

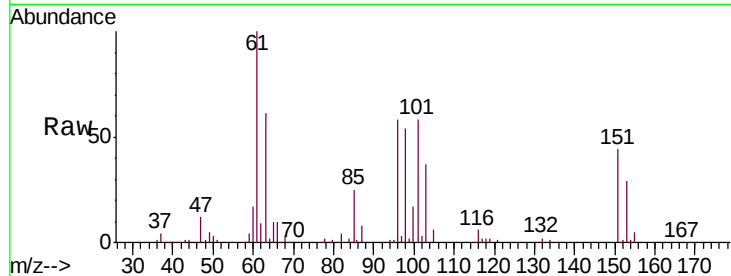
Tgt Ion:101 Resp: 68394

Ion Ratio Lower Upper

101 100

85 42.6 35.3 52.9

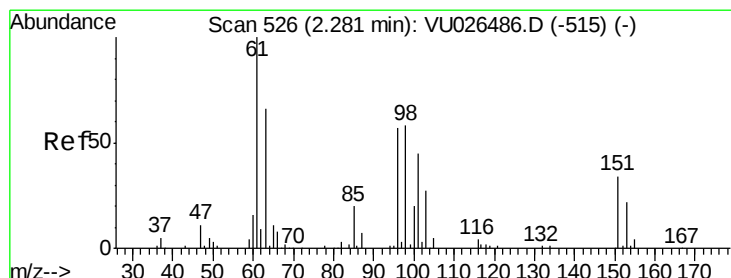
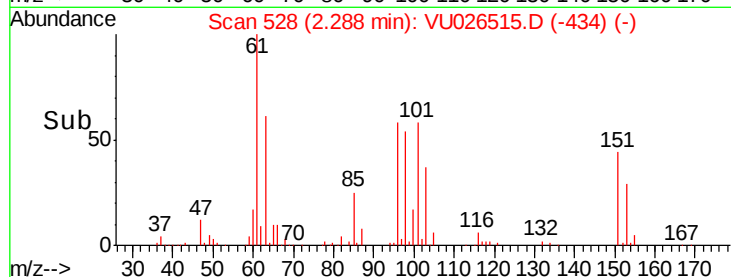
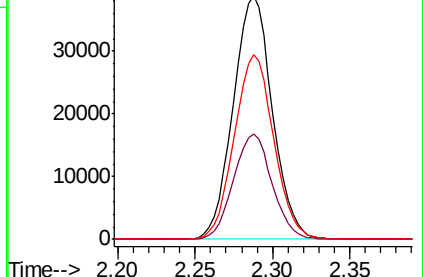
151 76.3 60.7 91.1



Abundance Ion 101.00 (100.70 to 101.70): VU026515.D (-433) (-)

Ion 85.00 (84.70 to 85.70): VU026515.D (-433) (-)

Ion 151.00 (150.70 to 151.70): VU026515.D (-433) (-)



#12

1,1-Dichloroethene

Concen: 48.509 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU026515.D

Acq: 04 Sep 2018 08:45

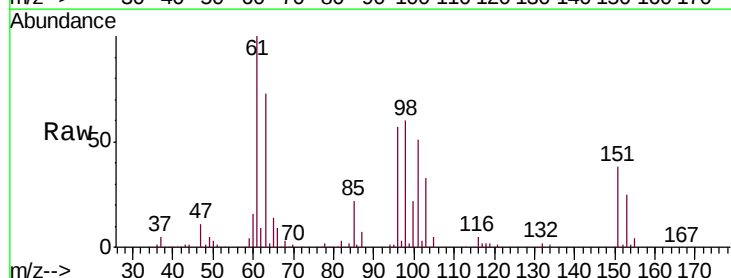
Tgt Ion: 96 Resp: 63026

Ion Ratio Lower Upper

96 100

61 176.9 129.3 240.1

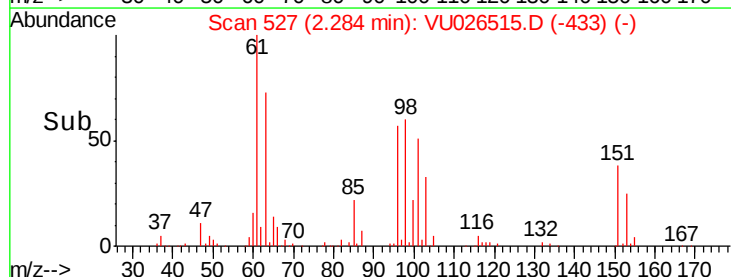
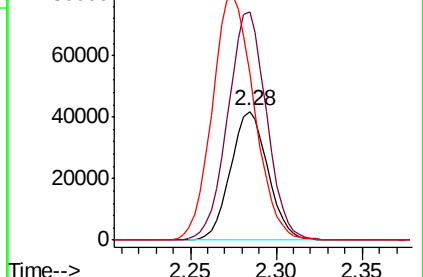
63 128.9 91.7 170.3

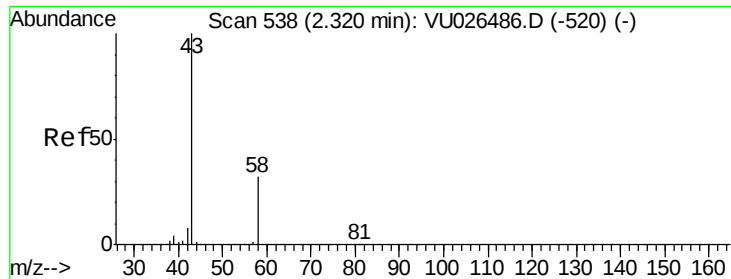


Abundance Ion 96.00 (95.70 to 96.70): VU026515.D (-433) (-)

Ion 61.00 (60.70 to 61.70): VU026515.D (-433) (-)

Ion 63.00 (62.70 to 63.70): VU026515.D (-433) (-)

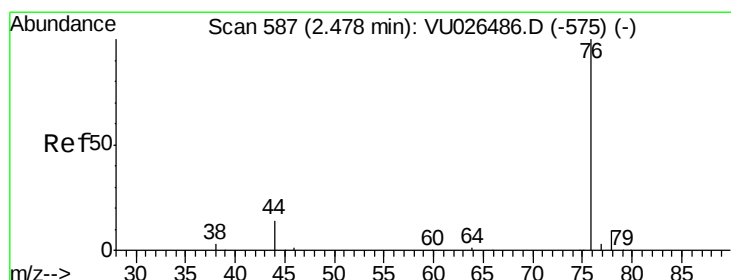
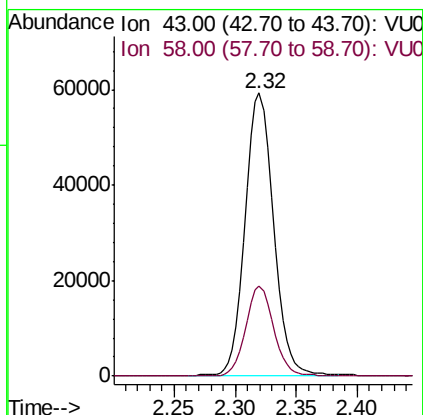
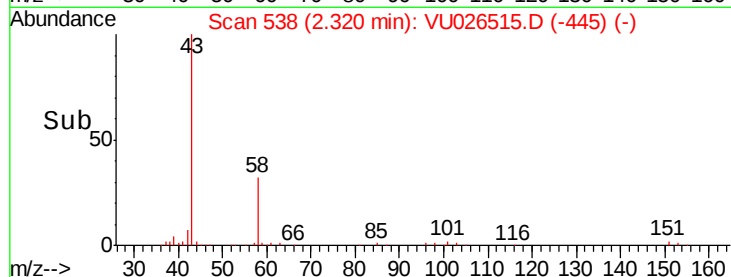
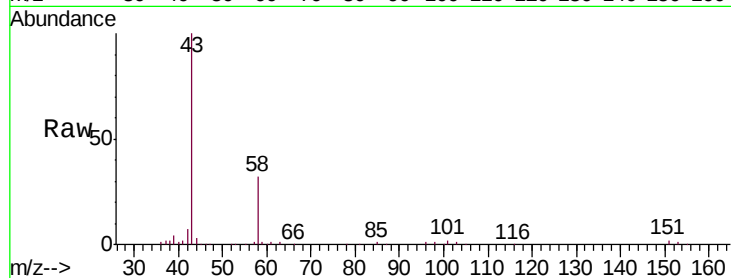




#13
Acetone
Concen: 126.221 ug/L
RT: 2.32 min Scan# 538
Delta R.T. -0.00 min
Lab File: VU026515.D
Acq: 04 Sep 2018 08:45

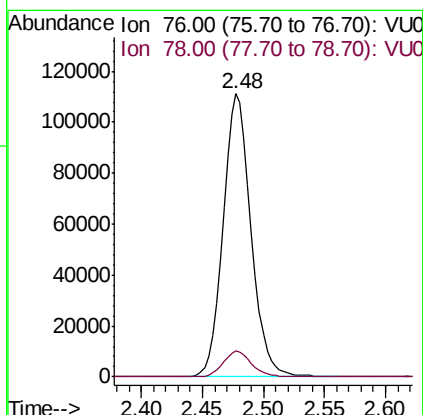
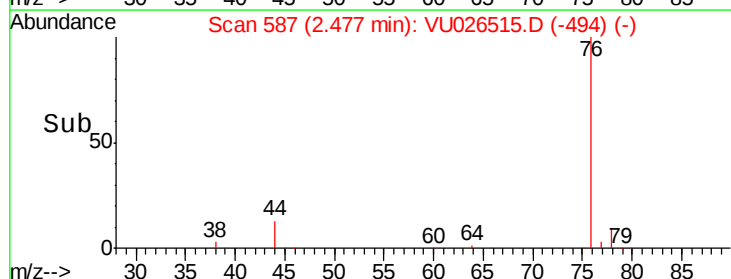
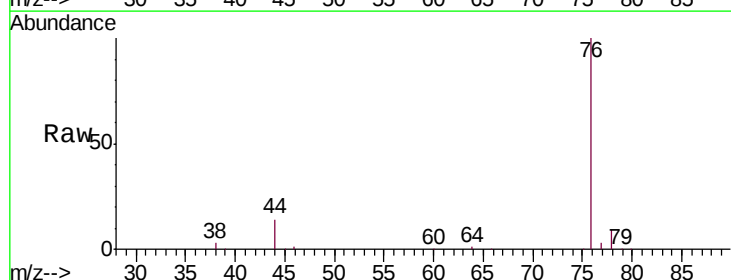
Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

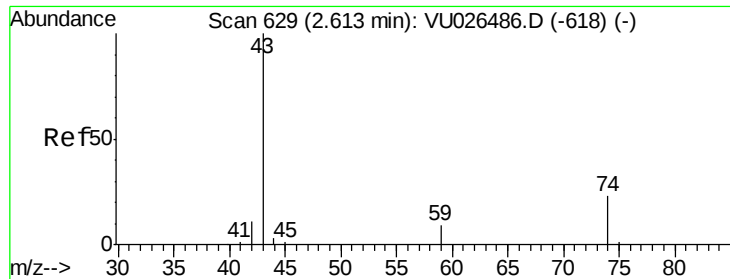
Tgt Ion: 43 Resp: 95668
Ion Ratio Lower Upper
43 100
58 31.1 0.0 61.2



#14
Carbon disulfide
Concen: 48.330 ug/L
RT: 2.48 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU026515.D
Acq: 04 Sep 2018 08:45

Tgt Ion: 76 Resp: 177701
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9

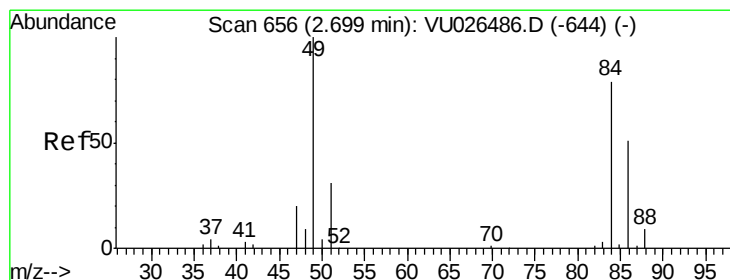
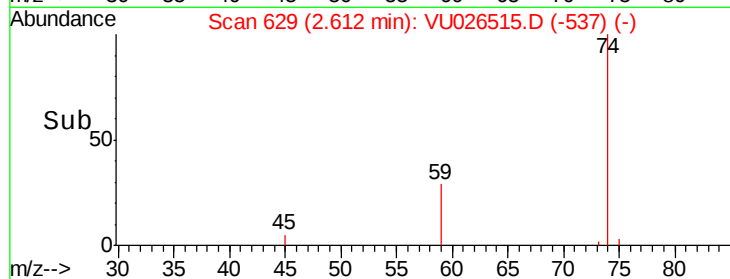
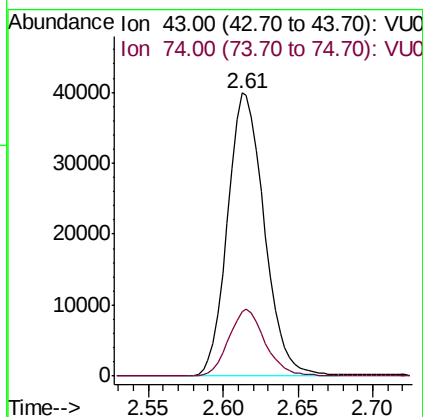
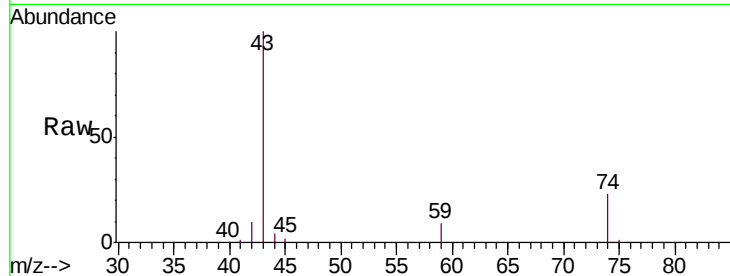




#15
Methyl Acetate
Concen: 45.992 ug/L
RT: 2.61 min Scan# 629
Delta R.T. -0.00 min
Lab File: VU026515.D
Acq: 04 Sep 2018 08:45

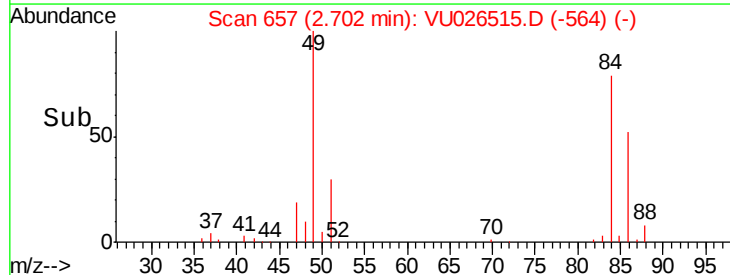
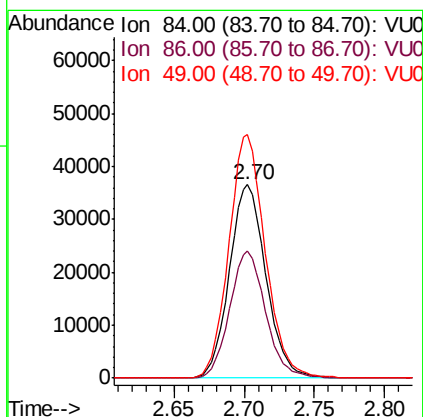
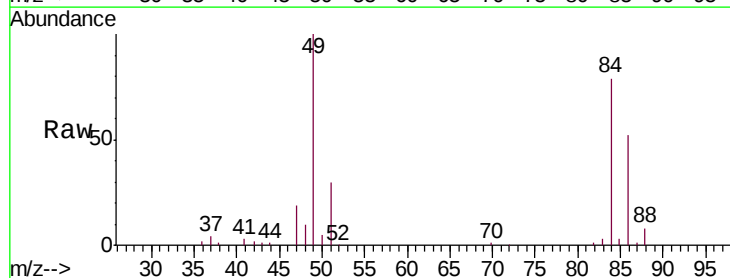
Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

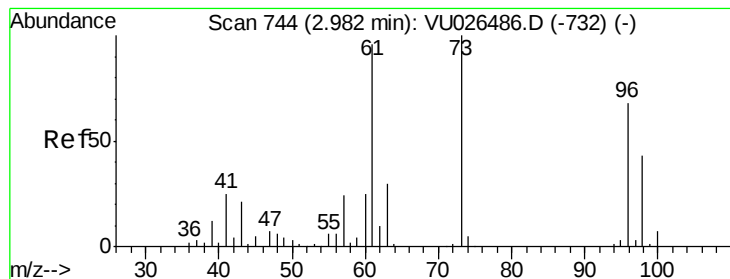
Tgt Ion: 43 Resp: 68447
Ion Ratio Lower Upper
43 100
74 23.2 17.8 26.6



#16
Methylene chloride
Concen: 49.764 ug/L
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU026515.D
Acq: 04 Sep 2018 08:45

Tgt Ion: 84 Resp: 66475
Ion Ratio Lower Upper
84 100
86 65.5 46.2 85.8
49 126.0 88.2 163.8





#17

trans-1,2-Dichloroethene

Concen: 49.534 ug/L

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU026515.D

Acq: 04 Sep 2018 08:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

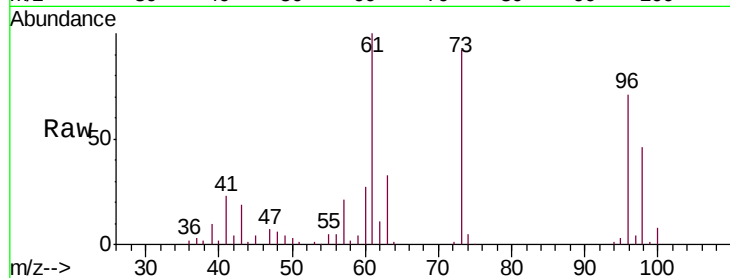
Tgt Ion: 96 Resp: 58212

Ion Ratio Lower Upper

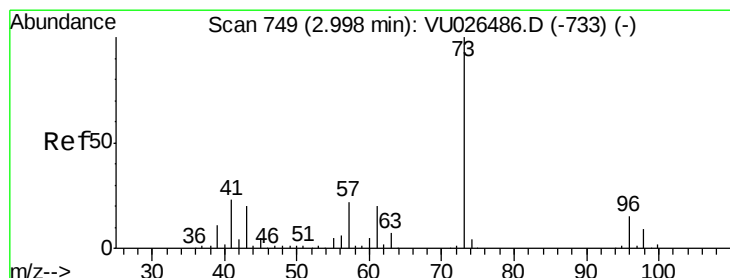
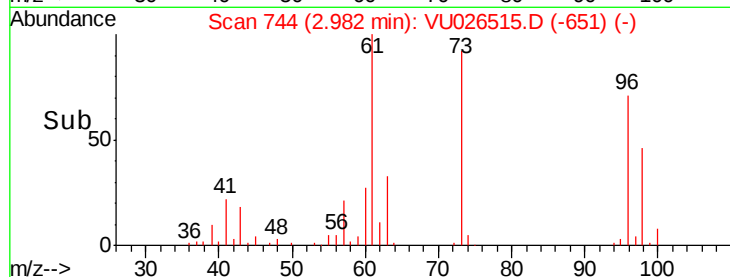
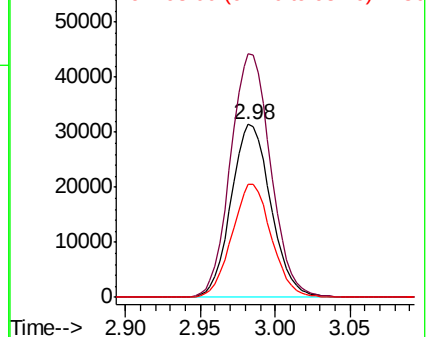
96 100

61 140.8 103.2 191.6

98 65.2 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: 52.599 ug/L

RT: 3.00 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU026515.D

Acq: 04 Sep 2018 08:45

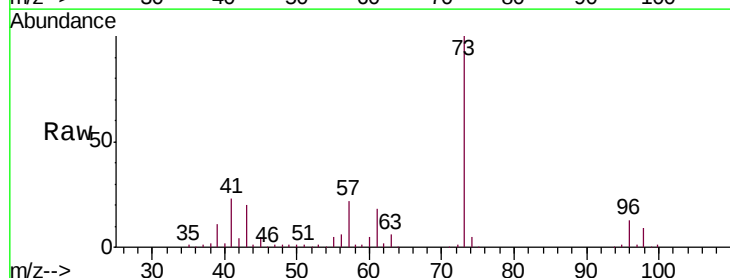
Tgt Ion: 73 Resp: 187649

Ion Ratio Lower Upper

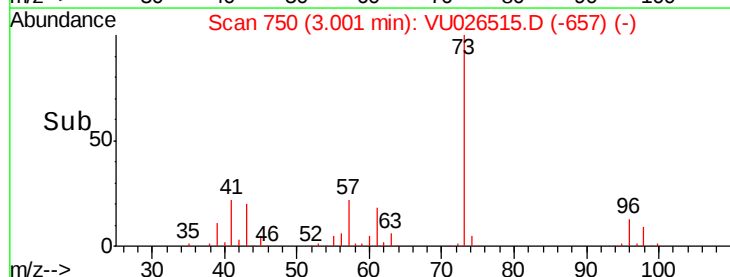
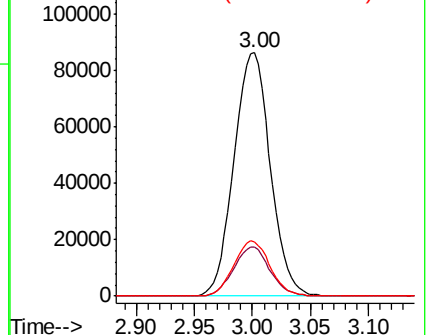
73 100

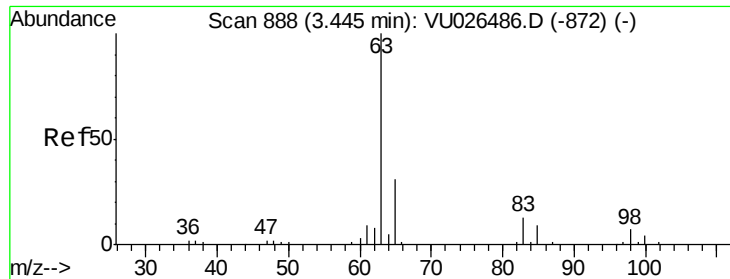
43 20.2 16.6 25.0

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

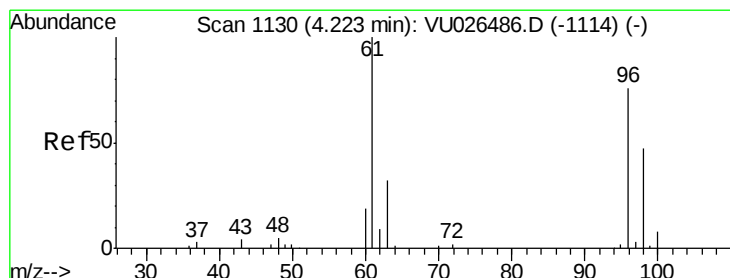
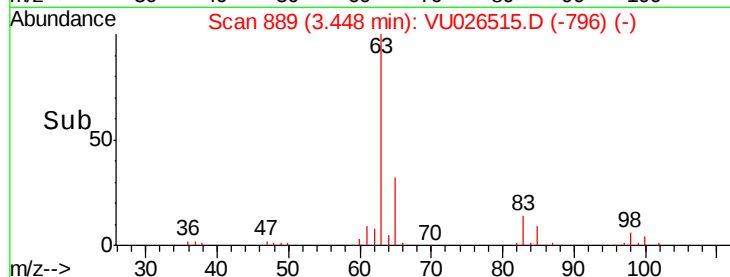
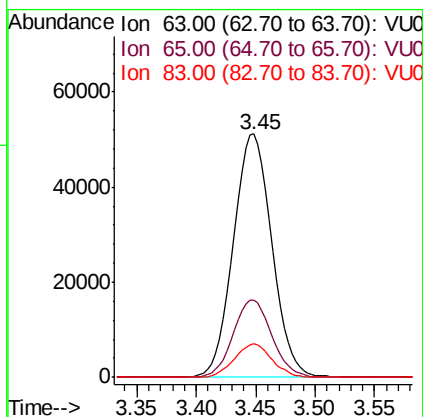
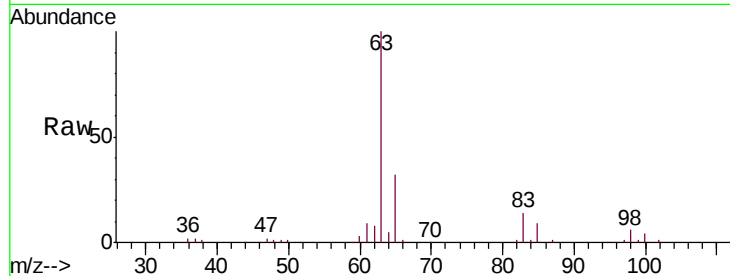




#19
 1,1-Dichloroethane
 Concen: 49.761 ug/L
 RT: 3.45 min Scan# 889
 Delta R.T. -0.00 min
 Lab File: VU026515.D
 Acq: 04 Sep 2018 08:45

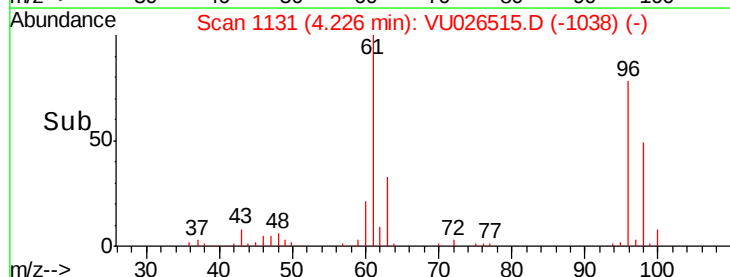
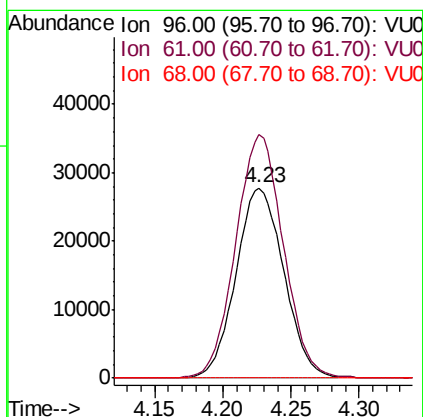
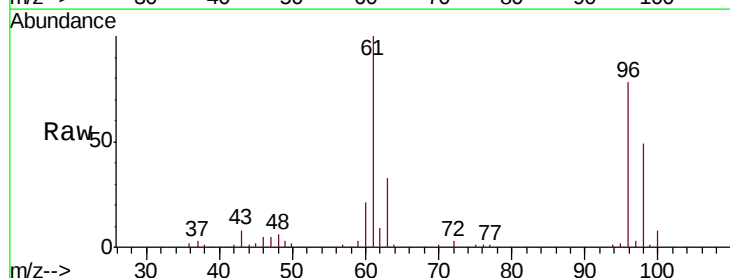
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

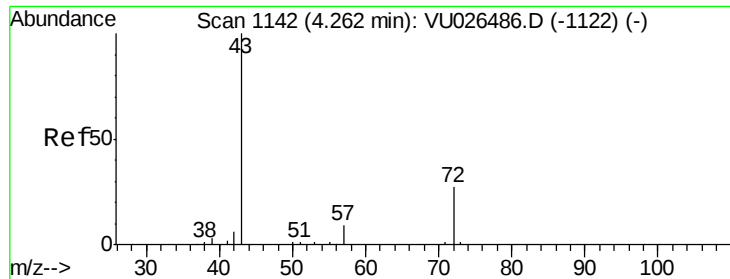
Tgt Ion: 63 Resp: 114907
 Ion Ratio Lower Upper
 63 100
 65 31.9 21.6 40.2
 83 13.7 8.8 16.4



#20
 cis-1,2-Dichloroethene
 Concen: 51.434 ug/L
 RT: 4.23 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VU026515.D
 Acq: 04 Sep 2018 08:45

Tgt Ion: 96 Resp: 67714
 Ion Ratio Lower Upper
 96 100
 61 128.2 91.6 170.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 107.186 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU026515.D

Acq: 04 Sep 2018 08:45

Instrument :

MSVOA_U

ClientSampleId :

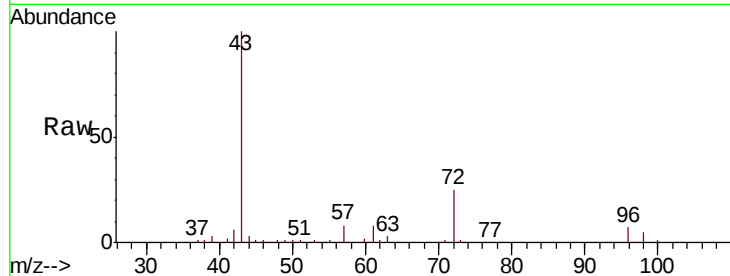
VSTD05042

Tgt Ion: 43 Resp: 109199

Ion Ratio Lower Upper

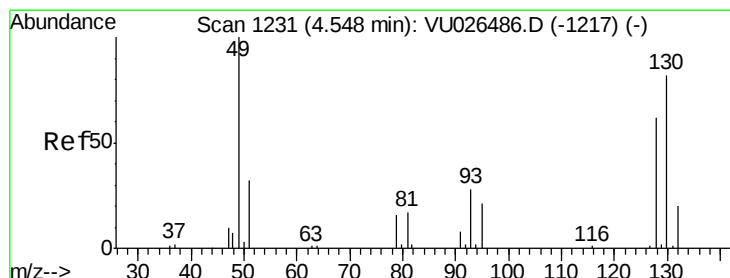
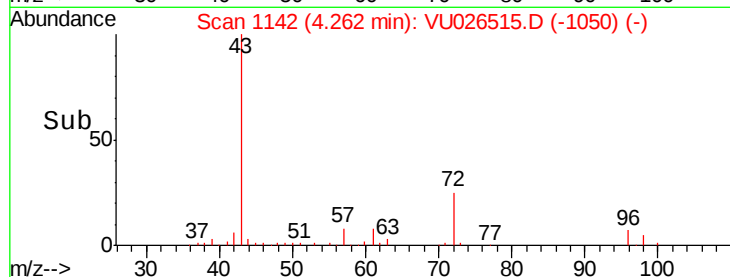
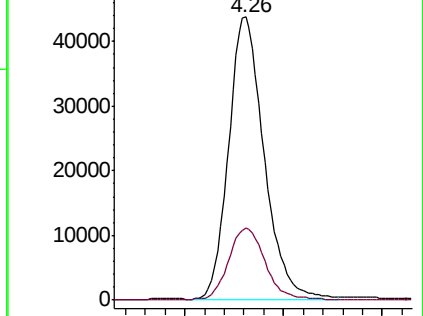
43 100

72 26.7 13.0 38.9



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#23

Bromochloromethane

Concen: 52.031 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU026515.D

Acq: 04 Sep 2018 08:45

Tgt Ion: 128 Resp: 35291

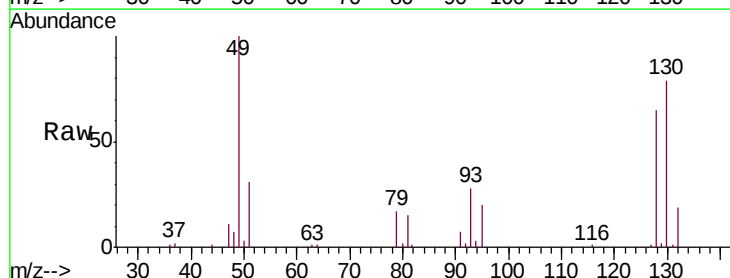
Ion Ratio Lower Upper

128 100

49 153.2 121.2 225.0

130 121.2 94.1 174.7

51 47.1 45.1 67.7

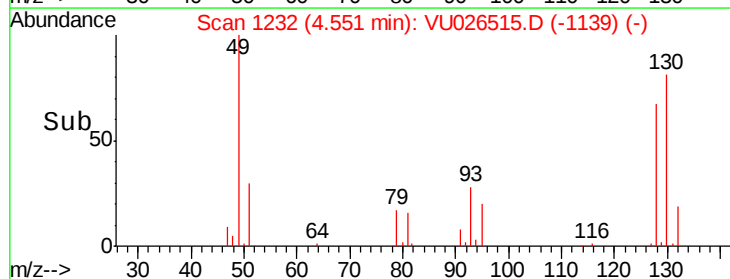
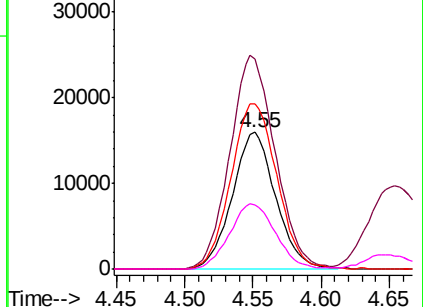


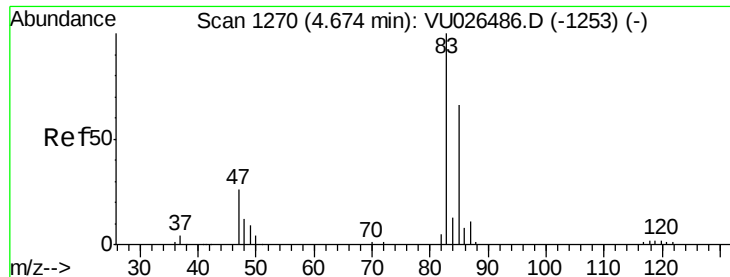
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VU0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VU0

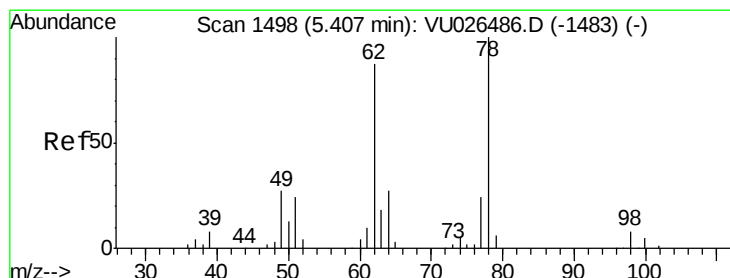
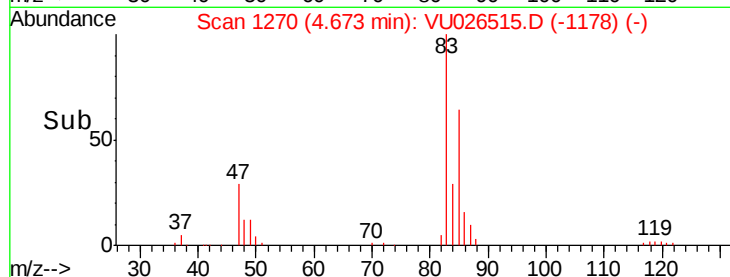
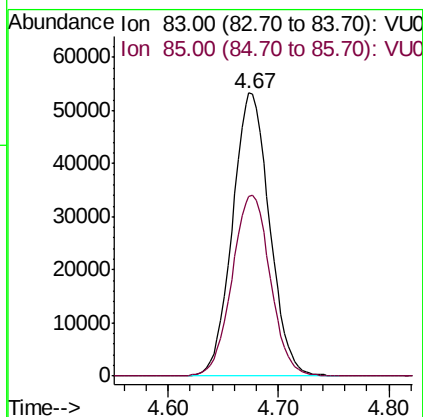
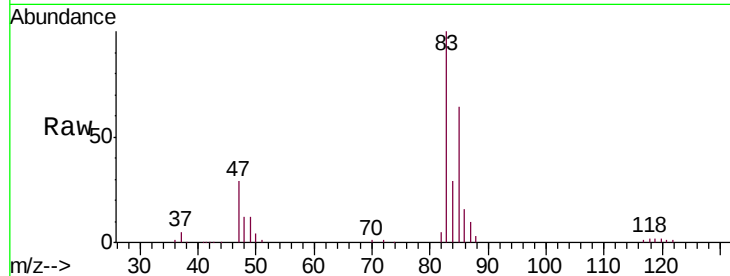




#25
Chloroform
Concen: 52.636 ug/L
RT: 4.67 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU026515.D
Acq: 04 Sep 2018 08:45

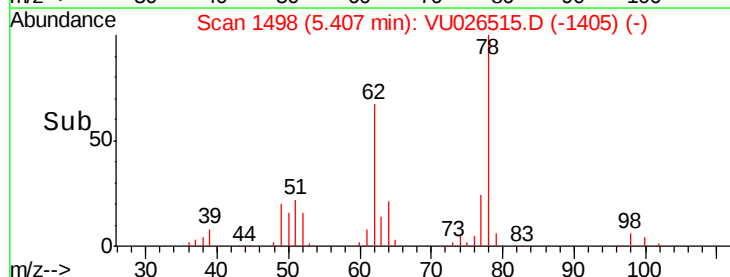
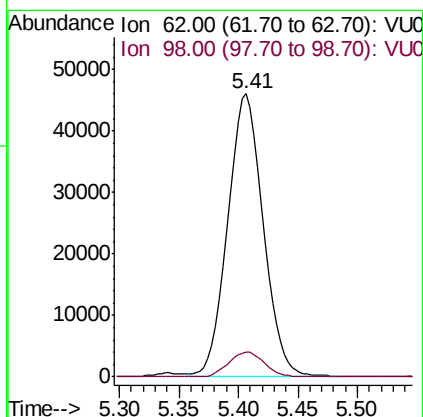
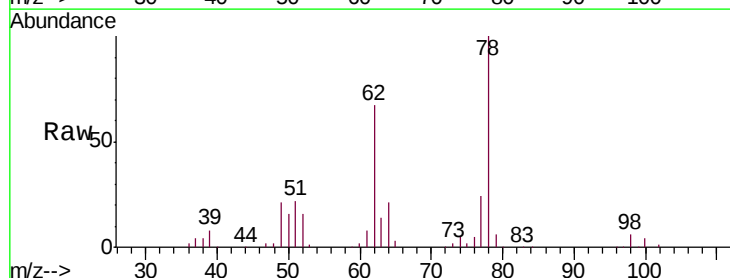
Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

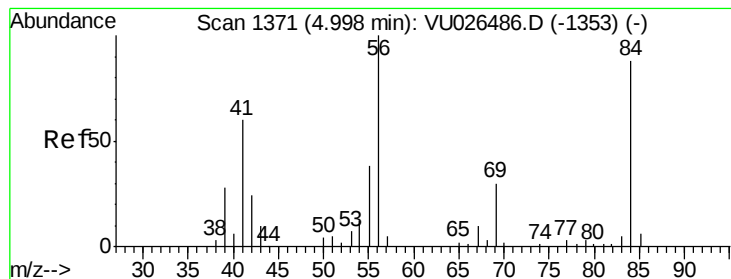
Tgt Ion: 83 Resp: 124130
Ion Ratio Lower Upper
83 100
85 63.5 46.5 86.5



#27
1,2-Dichloroethane
Concen: 50.196 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU026515.D
Acq: 04 Sep 2018 08:45

Tgt Ion: 62 Resp: 95471
Ion Ratio Lower Upper
62 100
98 8.7 6.8 10.2





#29

Cyclohexane

Concen: 53.389 ug/L

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU026515.D

Acq: 04 Sep 2018 08:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

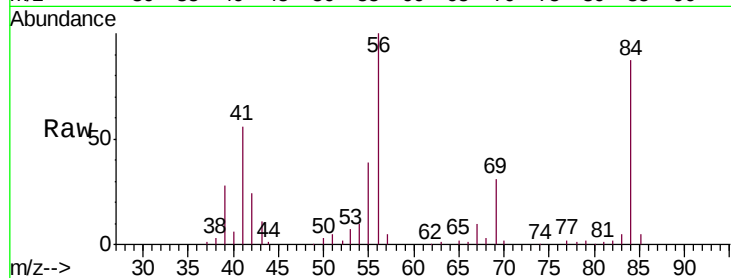
Tgt Ion: 56 Resp: 100911

Ion Ratio Lower Upper

56 100

69 29.9 24.0 36.0

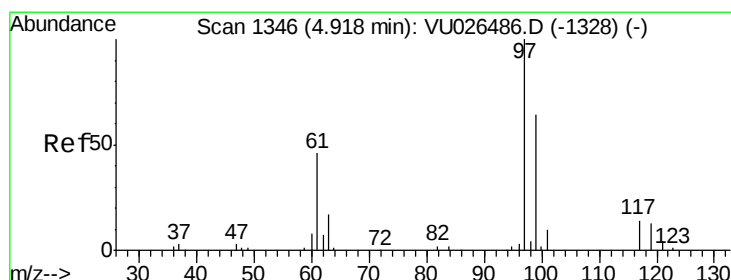
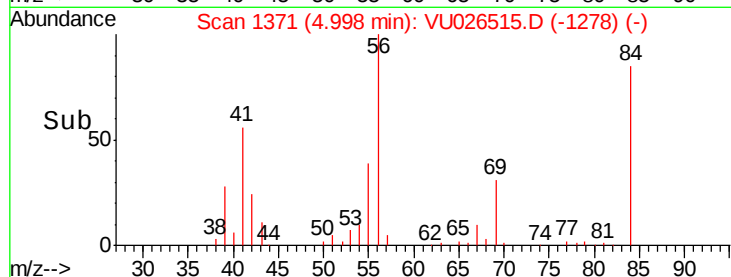
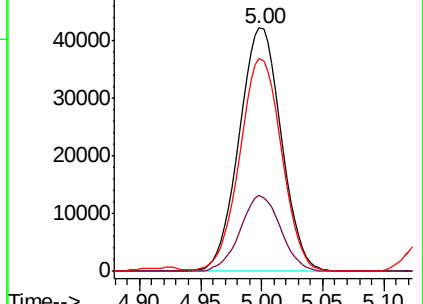
84 87.1 67.2 100.8



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: 51.823 ug/L

RT: 4.92 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VU026515.D

Acq: 04 Sep 2018 08:45

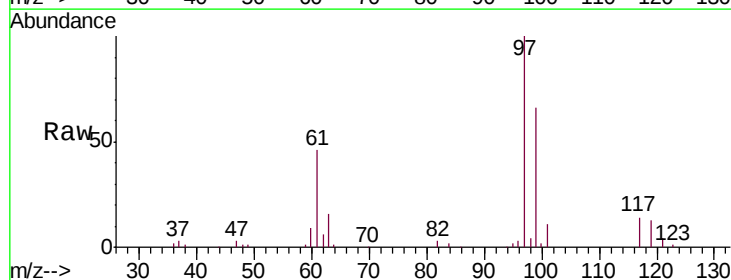
Tgt Ion: 97 Resp: 98928

Ion Ratio Lower Upper

97 100

99 64.9 51.6 77.4

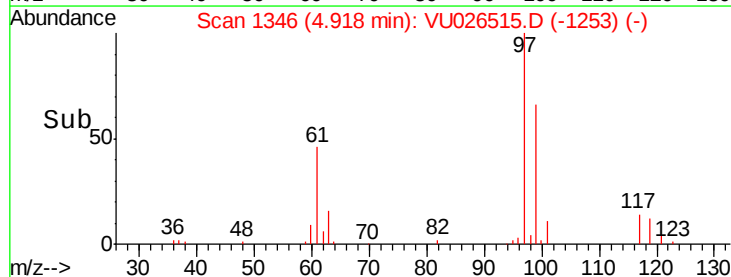
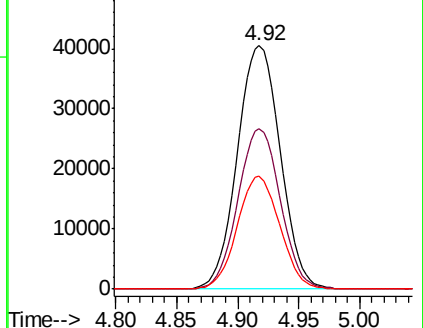
61 45.8 37.9 56.9

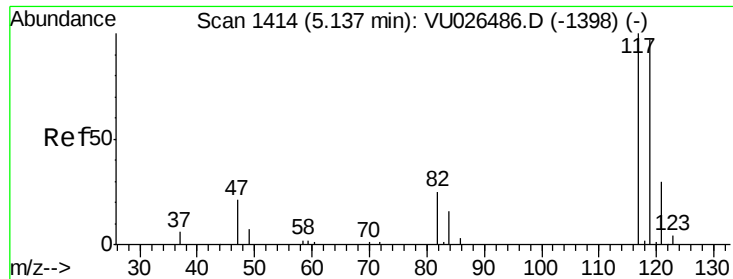


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 52.678 ug/L

RT: 5.14 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VU026515.D

Acq: 04 Sep 2018 08:45

Instrument :

MSVOA_U

ClientSampleId :

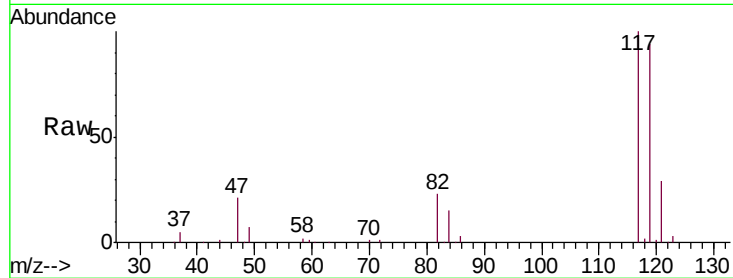
VSTD05042

Tgt Ion:117 Resp: 91370

Ion Ratio Lower Upper

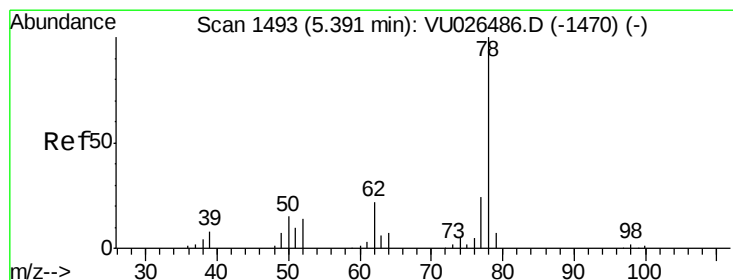
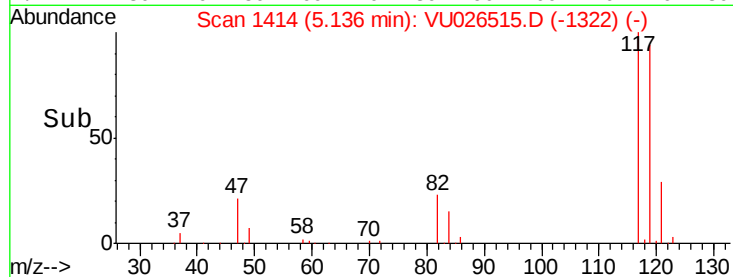
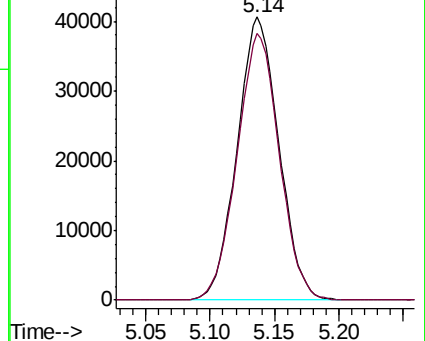
117 100

119 95.4 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 52.045 ug/L

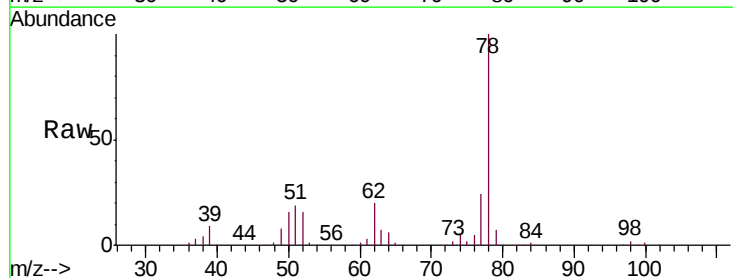
RT: 5.39 min Scan# 1493

Delta R.T. -0.00 min

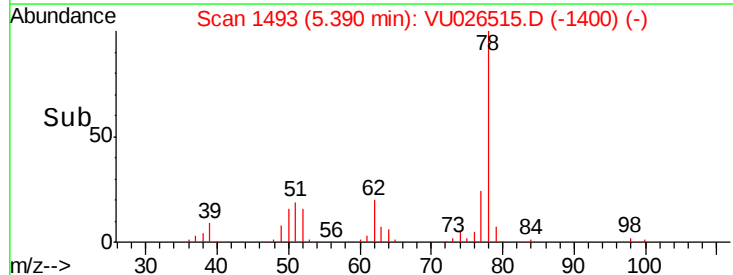
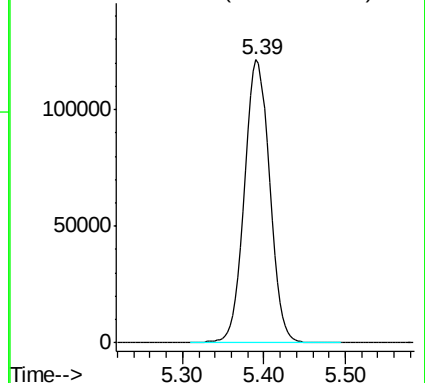
Lab File: VU026515.D

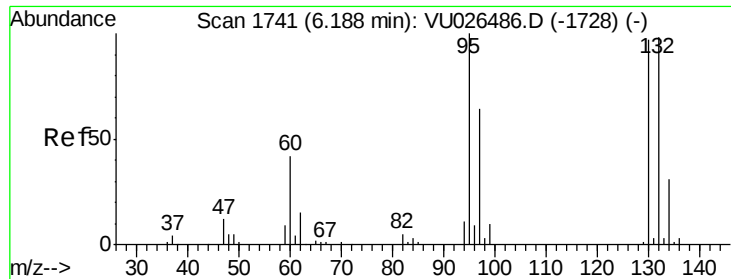
Acq: 04 Sep 2018 08:45

Tgt Ion: 78 Resp: 258833



Abundance Ion 78.00 (77.70 to 78.70): VU0

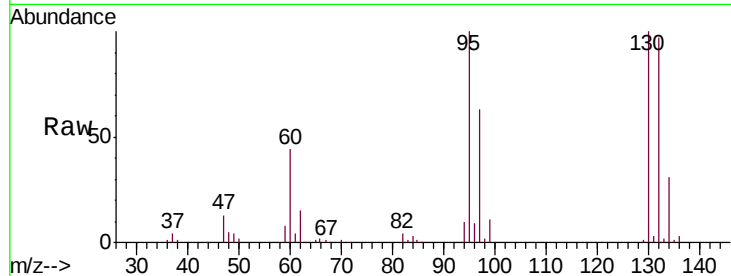




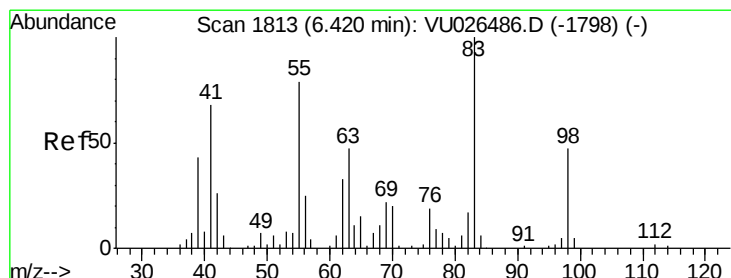
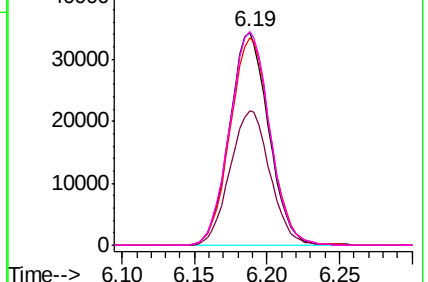
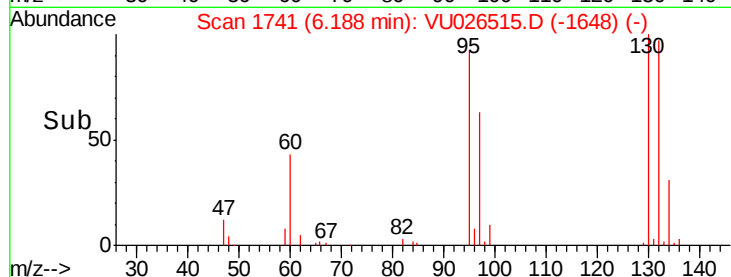
#34
 Trichloroethene
 Concen: 51.588 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VU026515.D
 Acq: 04 Sep 2018 08:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

Tgt Ion: 95 Resp: 64353
 Ion Ratio Lower Upper
 95 100
 97 63.1 45.1 83.7
 132 97.3 67.5 125.3
 130 100.3 69.3 128.7

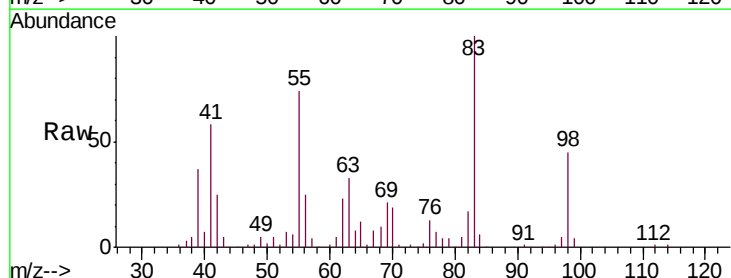


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

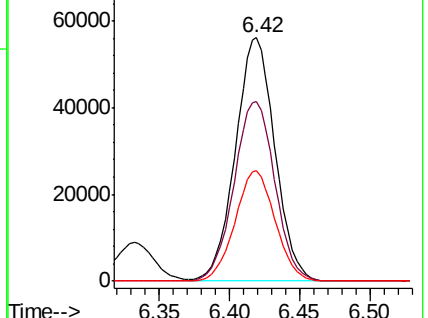
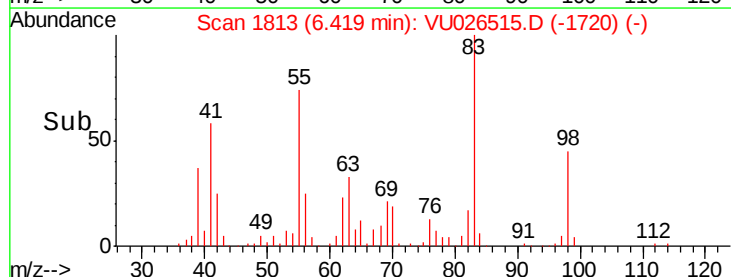


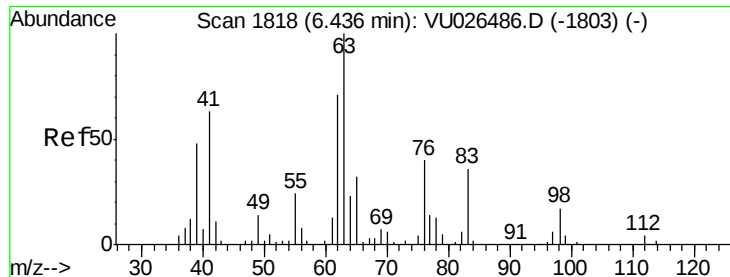
#35
 Methylcyclohexane
 Concen: 56.605 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VU026515.D
 Acq: 04 Sep 2018 08:45

Tgt Ion: 83 Resp: 110258
 Ion Ratio Lower Upper
 83 100
 55 76.2 63.3 94.9
 98 45.8 36.7 55.1



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

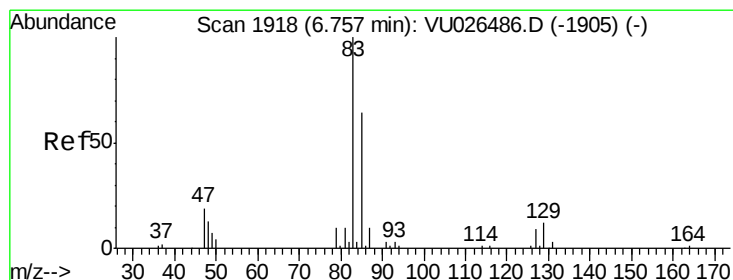
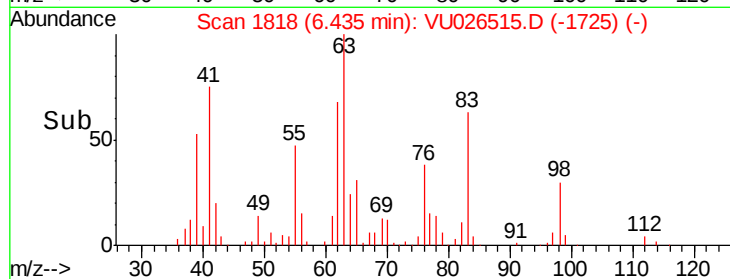
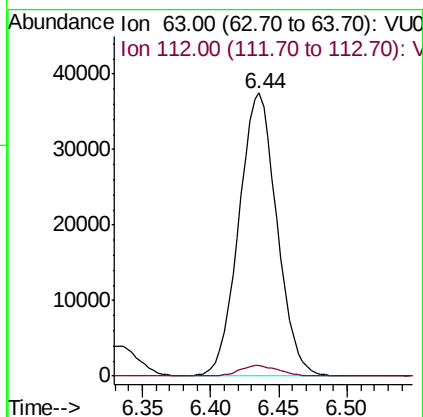
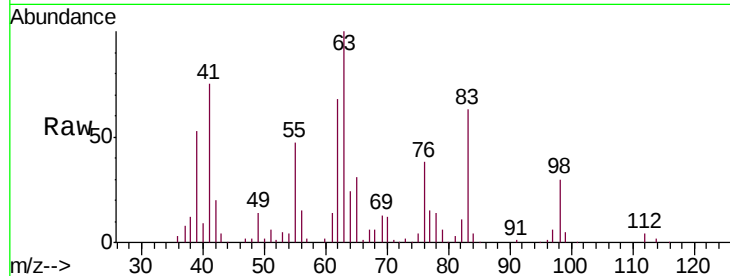




#37
 1,2-Dichloropropane
 Concen: 52.700 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU026515.D
 Acq: 04 Sep 2018 08:45

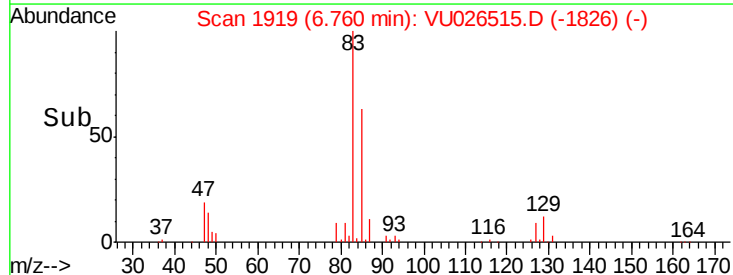
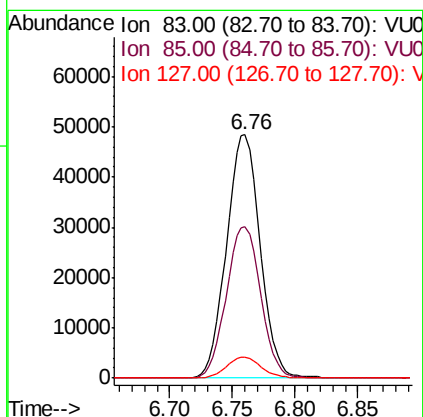
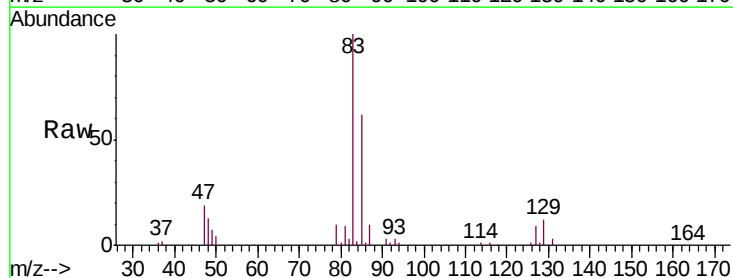
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

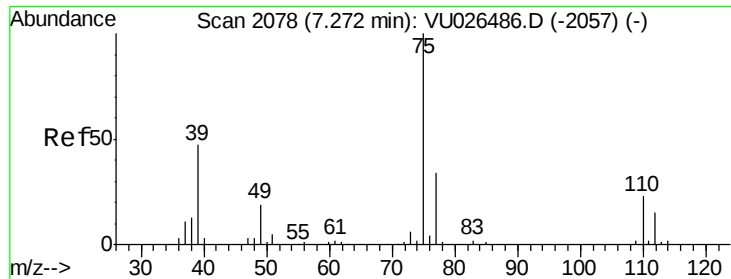
Tgt Ion: 63 Resp: 72557
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.0 4.6



#38
 Bromodichloromethane
 Concen: 51.496 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU026515.D
 Acq: 04 Sep 2018 08:45

Tgt Ion: 83 Resp: 90413
 Ion Ratio Lower Upper
 83 100
 85 62.1 43.9 81.5
 127 8.8 7.0 10.6

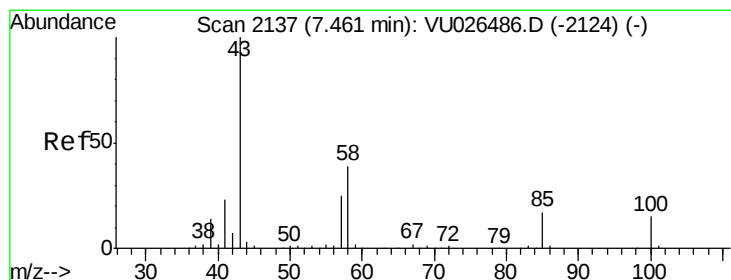
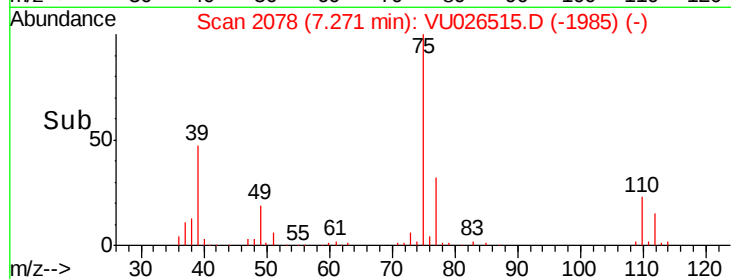
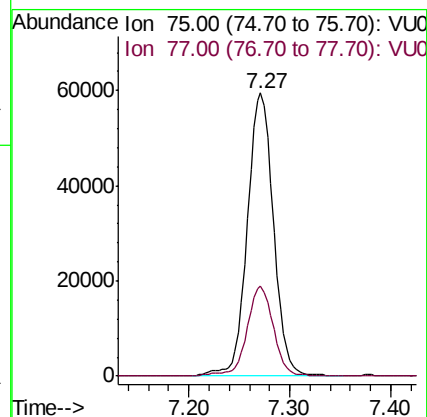
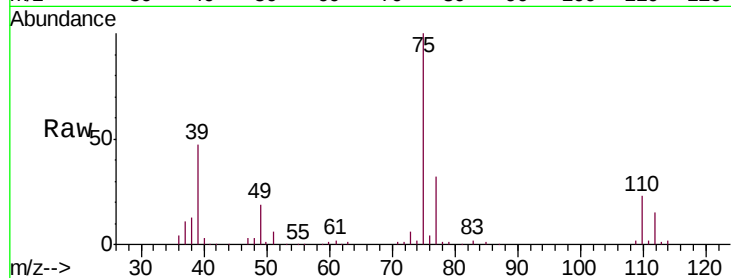




#39
 cis-1,3-Dichloropropene
 Concen: 54.238 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU026515.D
 Acq: 04 Sep 2018 08:45

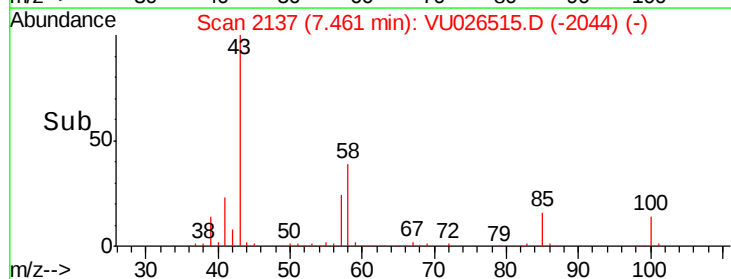
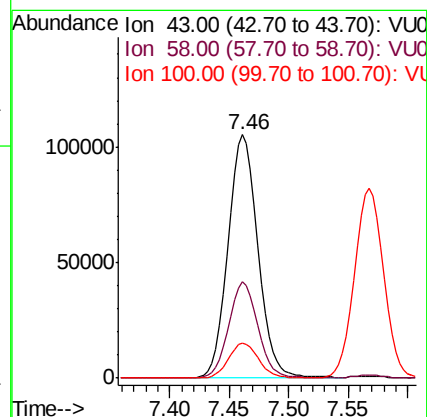
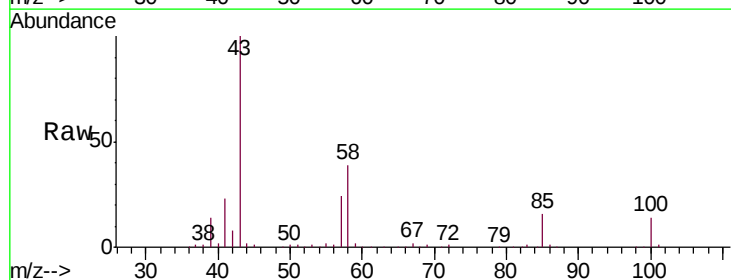
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

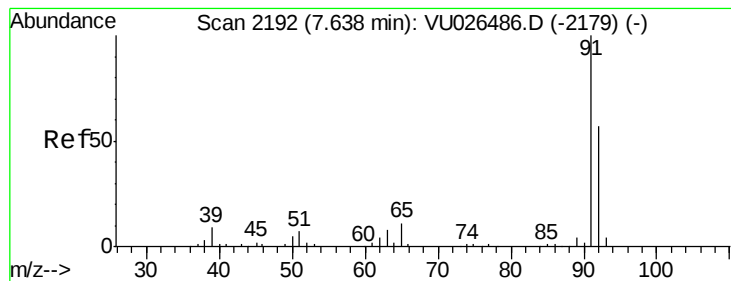
Tgt Ion: 75 Resp: 106402
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 98.909 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU026515.D
 Acq: 04 Sep 2018 08:45

Tgt Ion: 43 Resp: 183652
 Ion Ratio Lower Upper
 43 100
 58 38.8 30.4 45.6
 100 14.4 11.0 16.4





#42

Toluene

Concen: 53.258 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU026515.D

Acq: 04 Sep 2018 08:45

Instrument :

MSVOA_U

ClientSampleId :

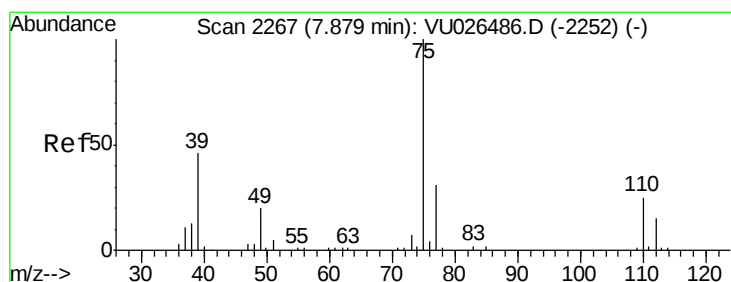
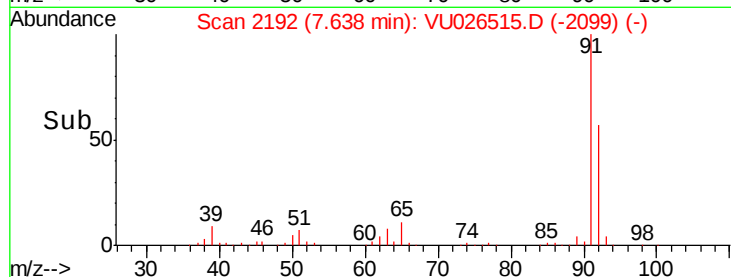
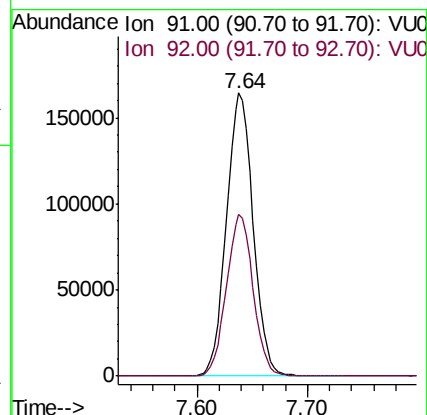
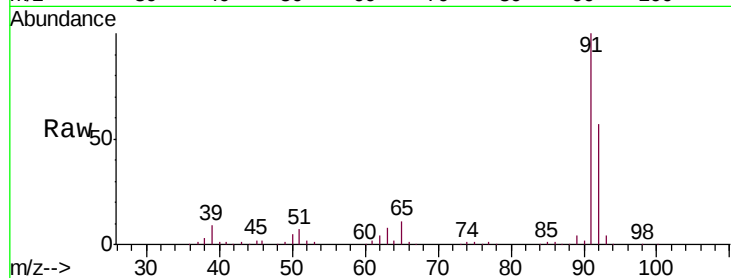
VSTD05042

Tgt Ion: 91 Resp: 276373

Ion Ratio Lower Upper

91 100

92 56.9 38.7 71.9



#44

trans-1,3-Dichloropropene

Concen: 53.733 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU026515.D

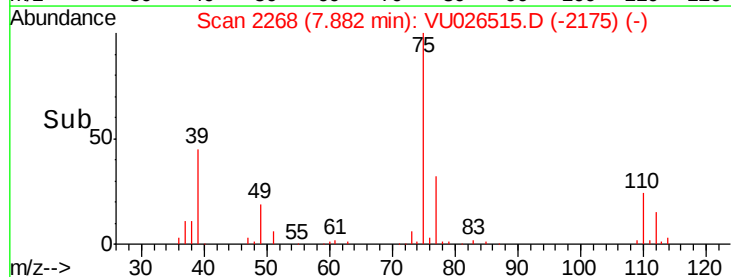
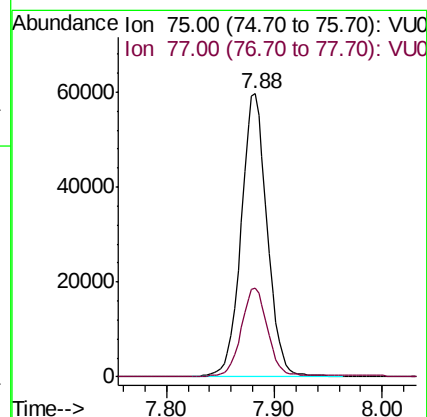
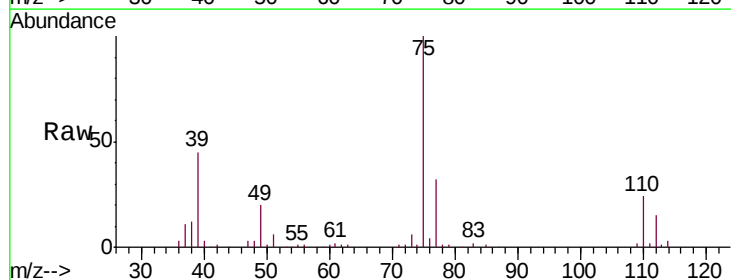
Acq: 04 Sep 2018 08:45

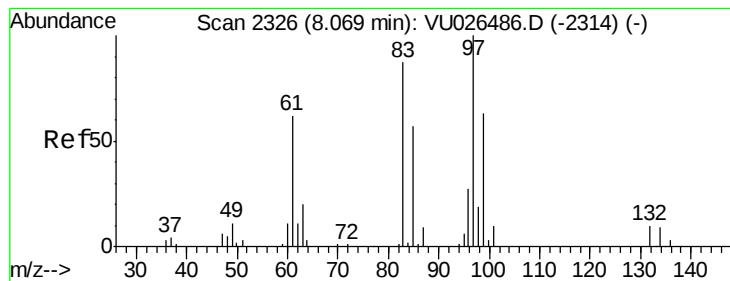
Tgt Ion: 75 Resp: 100472

Ion Ratio Lower Upper

75 100

77 31.5 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 50.683 ug/L

RT: 8.07 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VU026515.D

Acq: 04 Sep 2018 08:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

Tgt Ion: 97 Resp: 63925

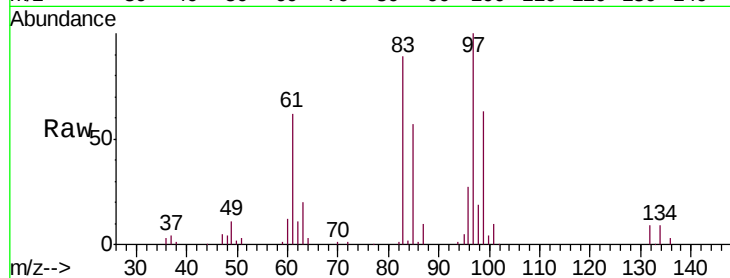
Ion Ratio Lower Upper

97 100

99 63.2 43.9 81.5

83 89.0 62.7 116.5

85 57.1 39.4 73.2

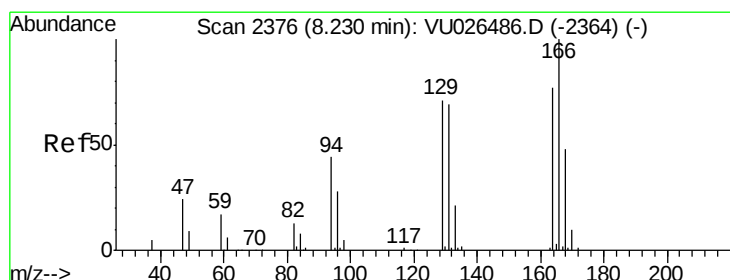
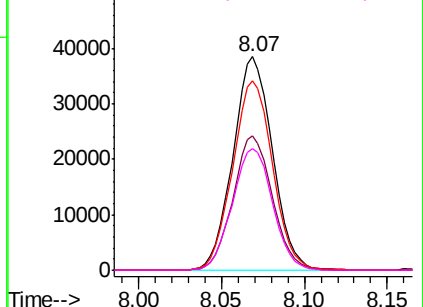
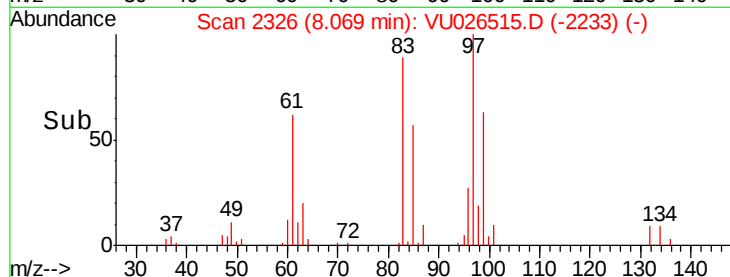


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 55.030 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU026515.D

Acq: 04 Sep 2018 08:45

Tgt Ion: 164 Resp: 56124

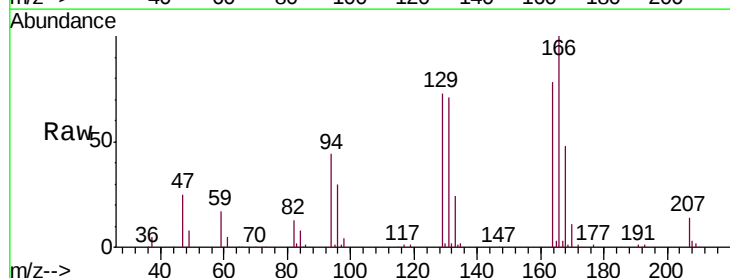
Ion Ratio Lower Upper

164 100

129 93.7 67.3 125.1

131 91.4 65.3 121.3

166 128.4 90.9 168.7

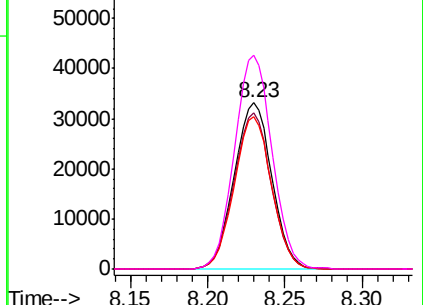
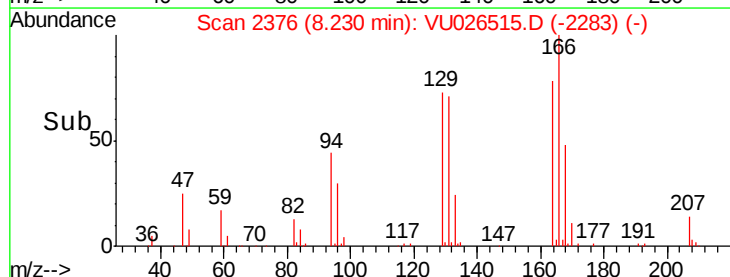


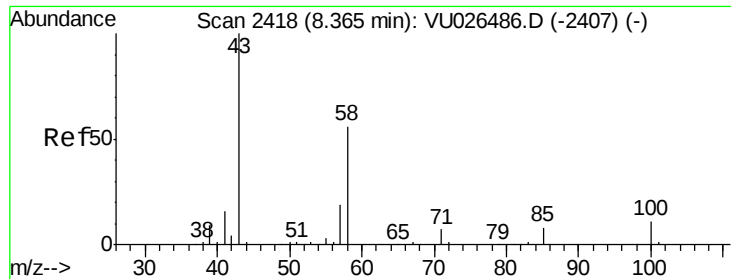
Abundance Ion 164.00 (163.70 to 164.70): V

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

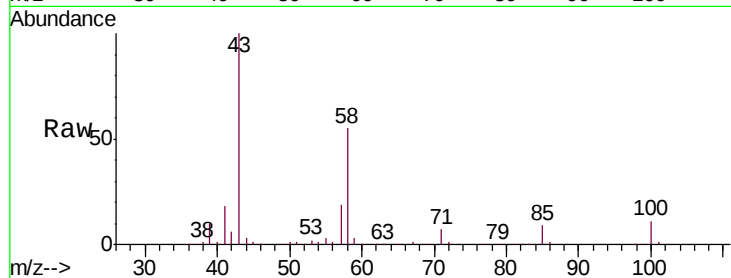




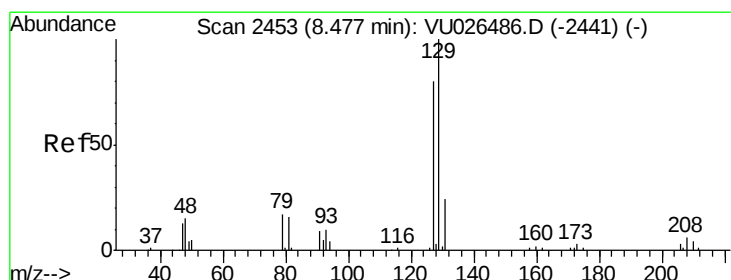
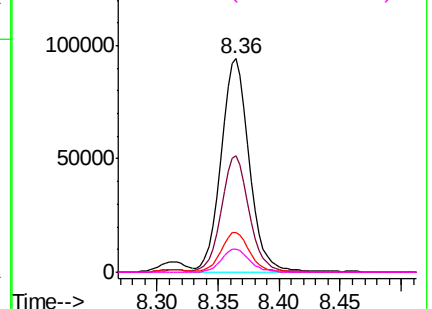
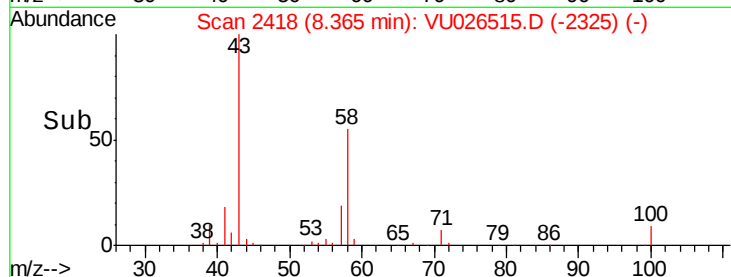
#48
2-Hexanone
Concen: 104.312 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU026515.D
Acq: 04 Sep 2018 08:45

Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

Tgt Ion: 43 Resp: 152542
Ion Ratio Lower Upper
43 100
58 53.9 42.2 63.4
57 18.9 14.6 21.8
100 10.9 8.3 12.5

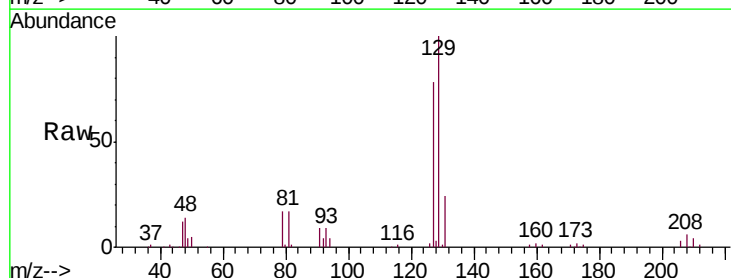


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

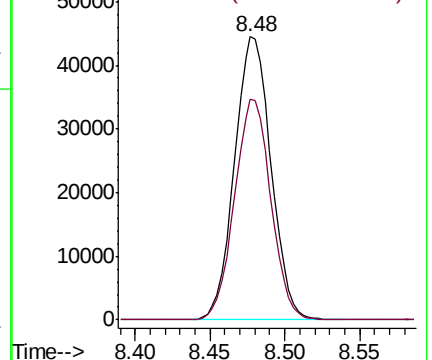
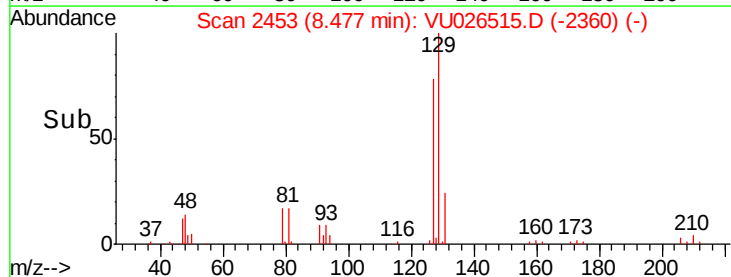


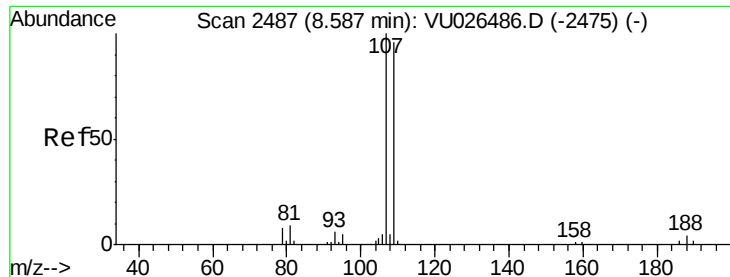
#49
Dibromochloromethane
Concen: 53.233 ug/L
RT: 8.48 min Scan# 2453
Delta R.T. -0.00 min
Lab File: VU026515.D
Acq: 04 Sep 2018 08:45

Tgt Ion: 129 Resp: 75652
Ion Ratio Lower Upper
129 100
127 77.7 55.0 102.2



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

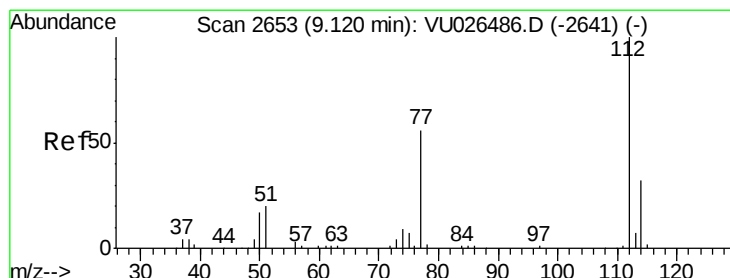
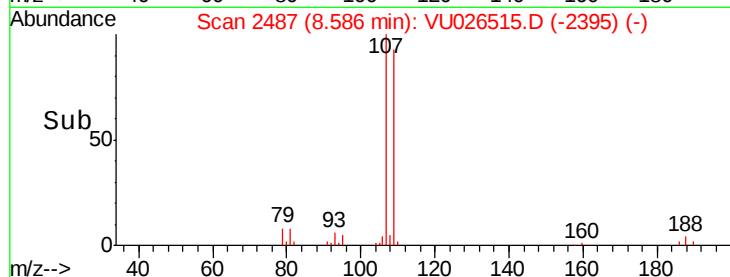
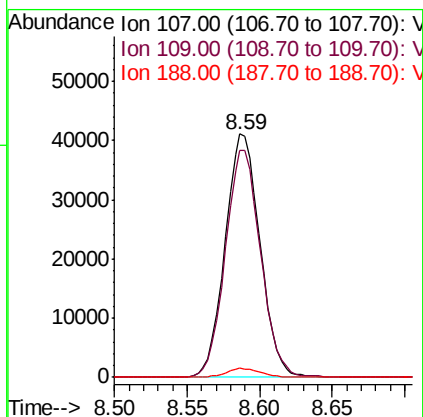
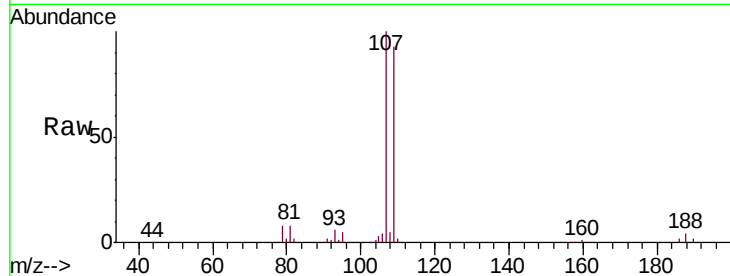




#50
1,2-Dibromoethane
Concen: 51.010 ug/L
RT: 8.59 min Scan# 2487
Delta R.T. -0.00 min
Lab File: VU026515.D
Acq: 04 Sep 2018 08:45

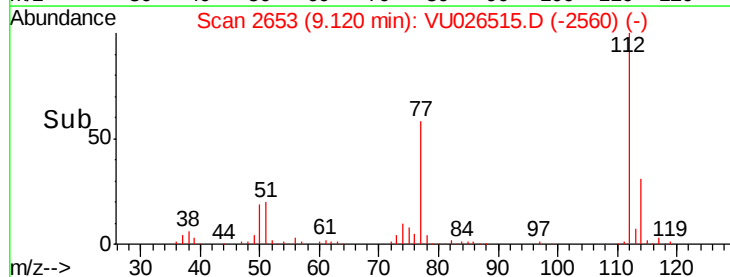
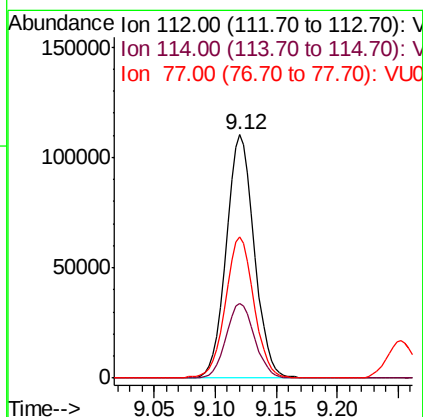
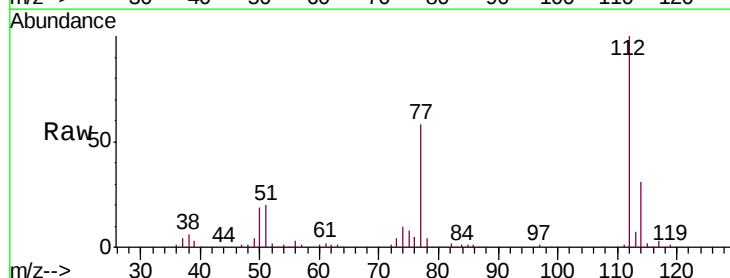
Instrument :
MSVOA_U
ClientSampleId :
VSTD05042

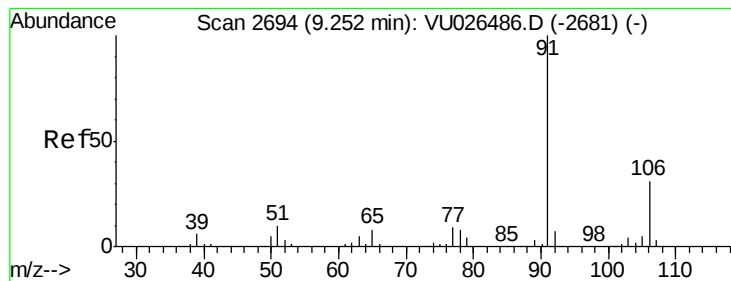
Tgt Ion:107 Resp: 68511
Ion Ratio Lower Upper
107 100
109 93.1 63.4 117.8
188 3.6 3.2 4.8



#51
Chlorobenzene
Concen: 51.099 ug/L
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU026515.D
Acq: 04 Sep 2018 08:45

Tgt Ion:112 Resp: 177326
Ion Ratio Lower Upper
112 100
114 30.8 23.2 43.2
77 58.2 47.3 70.9





#52

Ethylbenzene

Concen: 52.773 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU026515.D

Acq: 04 Sep 2018 08:45

Instrument :

MSVOA_U

ClientSampleId :

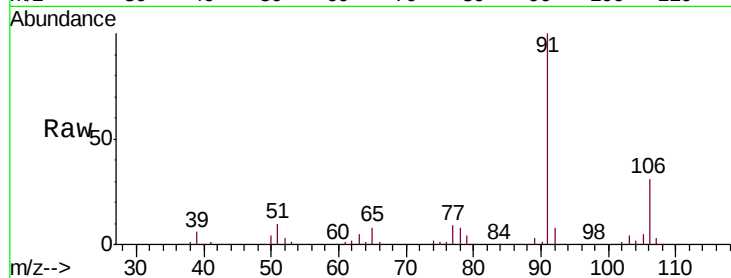
VSTD05042

Tgt Ion: 91 Resp: 297852

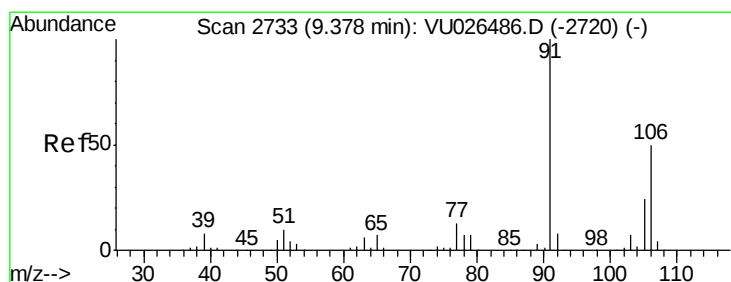
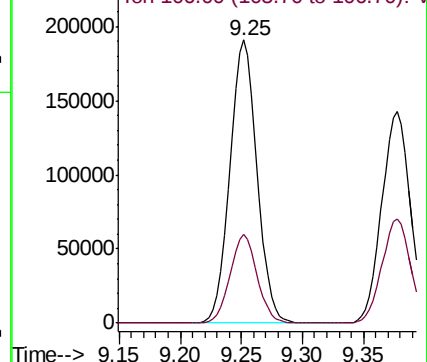
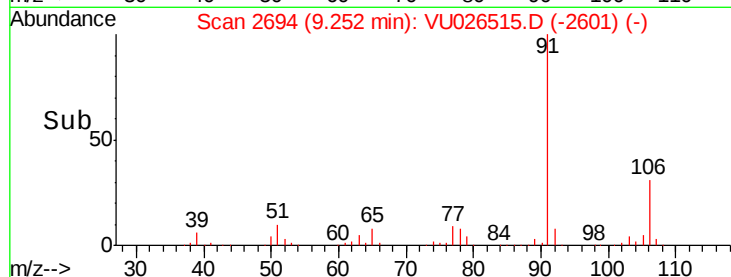
Ion Ratio Lower Upper

91 100

106 31.2 21.6 40.2



Abundance Ion 91.00 (90.70 to 91.70): VU026515.D (-2601) (-)



#53

m,p-Xylene

Concen: 54.426 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU026515.D

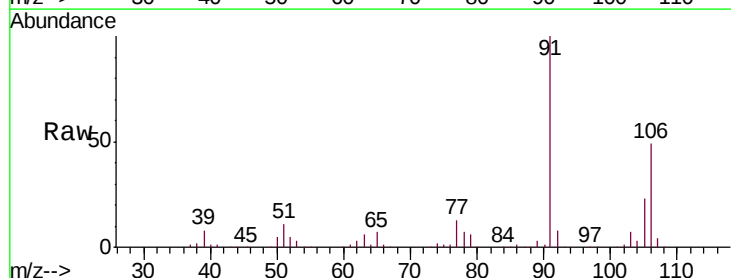
Acq: 04 Sep 2018 08:45

Tgt Ion: 106 Resp: 114698

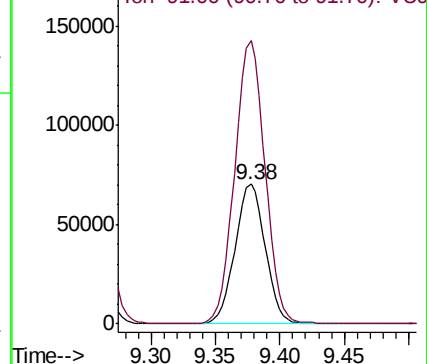
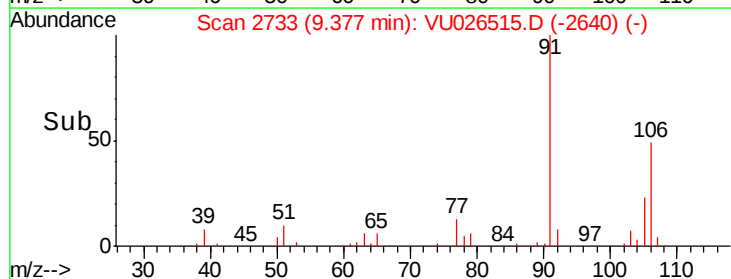
Ion Ratio Lower Upper

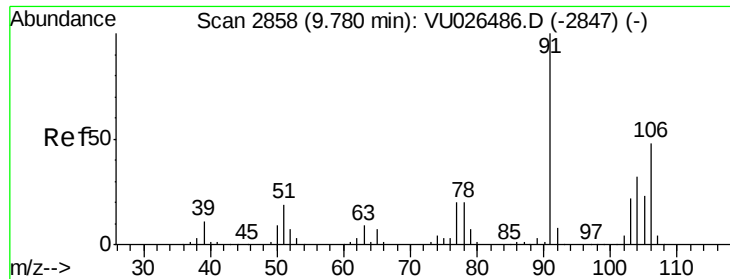
106 100

91 202.3 143.0 265.6



Abundance Ion 106.00 (105.70 to 106.70): VU026515.D (-2640) (-)





#54

o-xylene

Concen: 54.734 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU026515.D

Acq: 04 Sep 2018 08:45

Instrument :

MSVOA_U

ClientSampleId :

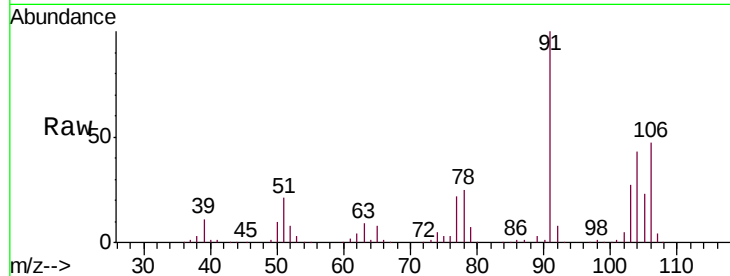
VSTD05042

Tgt Ion:106 Resp: 112485

Ion Ratio Lower Upper

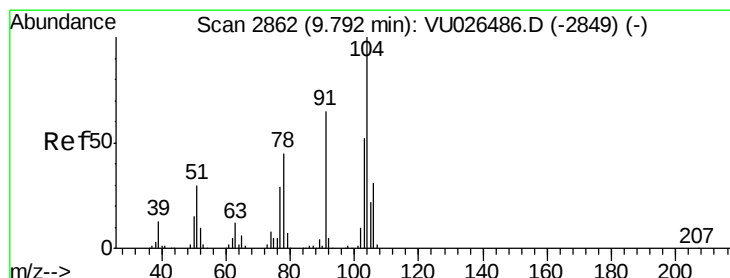
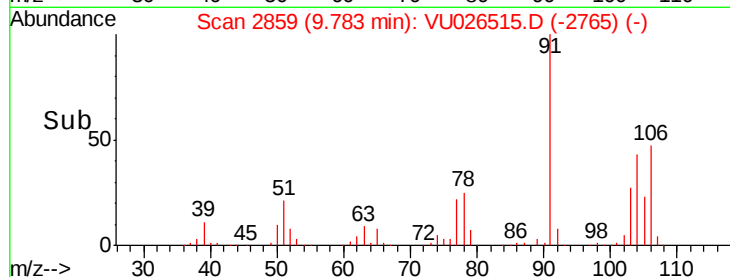
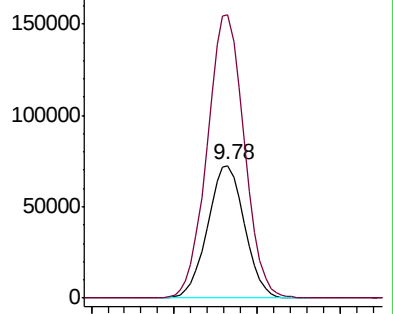
106 100

91 213.0 153.3 284.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 54.231 ug/L

RT: 9.79 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VU026515.D

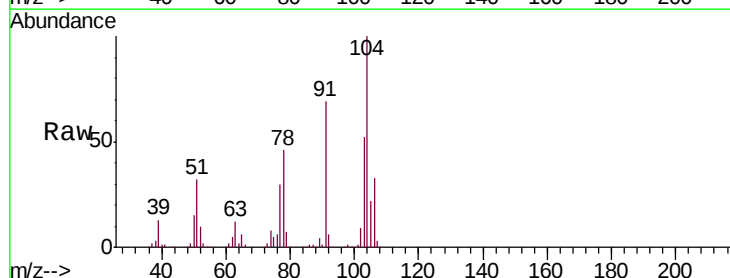
Acq: 04 Sep 2018 08:45

Tgt Ion:104 Resp: 194696

Ion Ratio Lower Upper

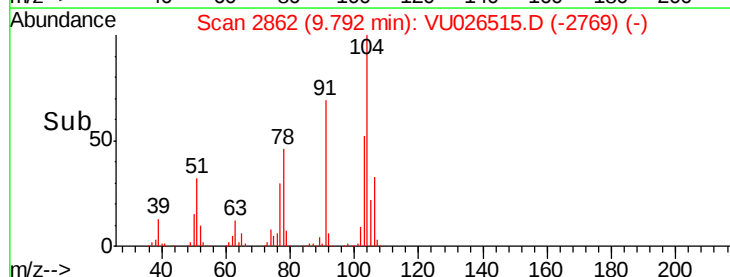
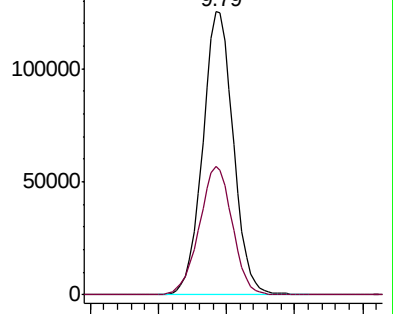
104 100

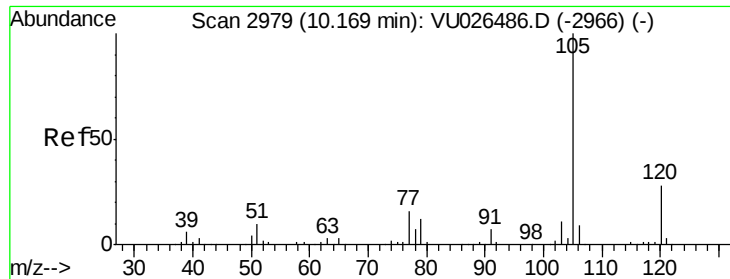
78 45.6 31.1 57.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 54.654 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU026515.D

Acq: 04 Sep 2018 08:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

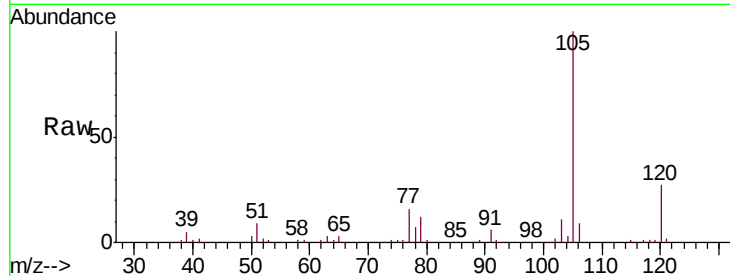
Tgt Ion: 105 Resp: 294015

Ion Ratio Lower Upper

105 100

120 26.7 21.5 32.3

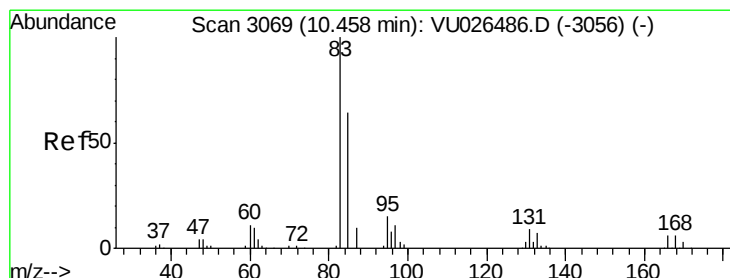
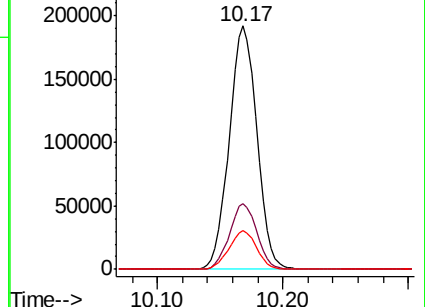
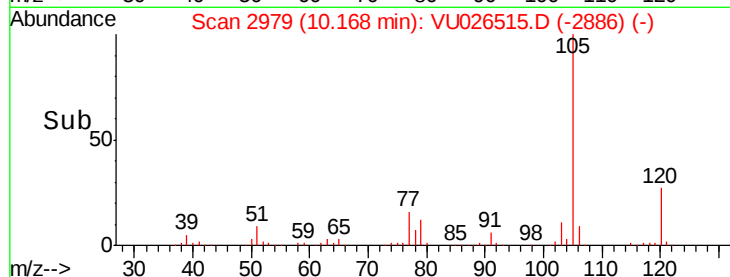
77 15.8 12.9 19.3



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: 50.041 ug/L

RT: 10.46 min Scan# 3069

Delta R.T. -0.00 min

Lab File: VU026515.D

Acq: 04 Sep 2018 08:45

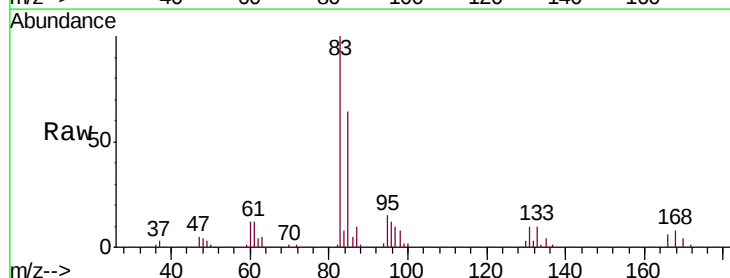
Tgt Ion: 83 Resp: 111177

Ion Ratio Lower Upper

83 100

85 64.0 44.3 82.3

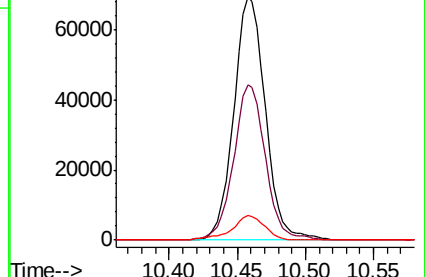
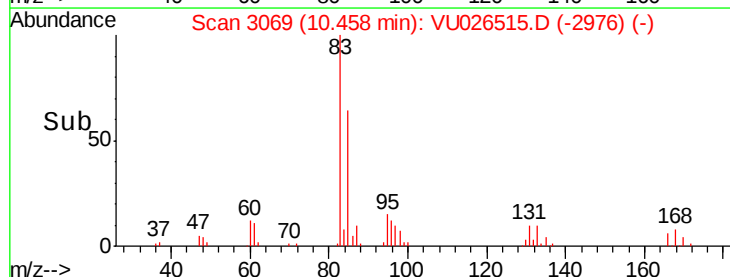
131 10.0 7.8 11.8

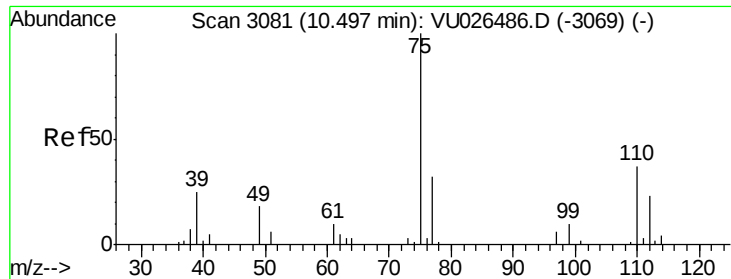


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

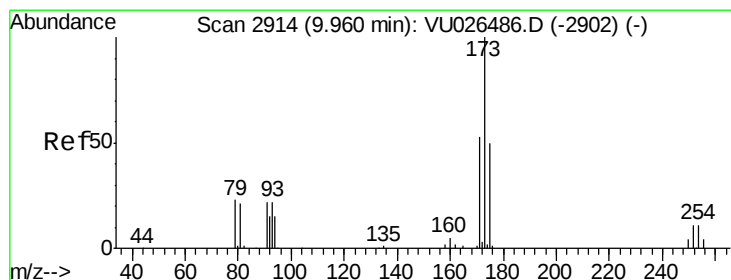
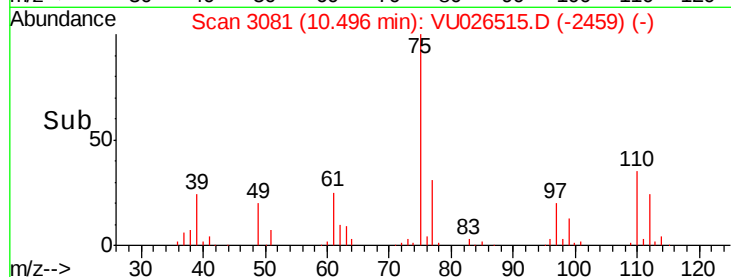
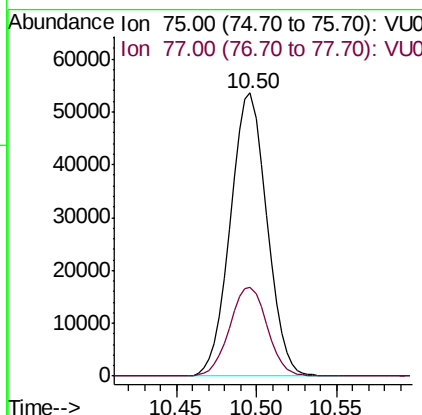
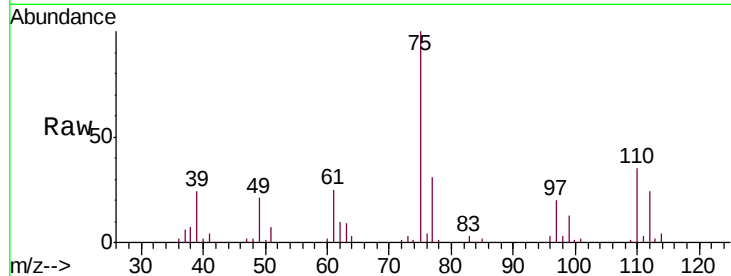




#59
 1,2,3-Trichloropropane
 Concen: 48.474 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU026515.D
 Acq: 04 Sep 2018 08:45

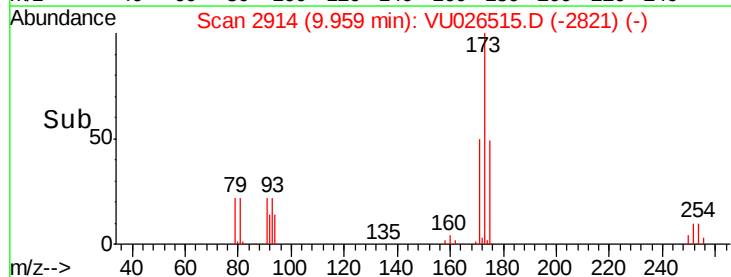
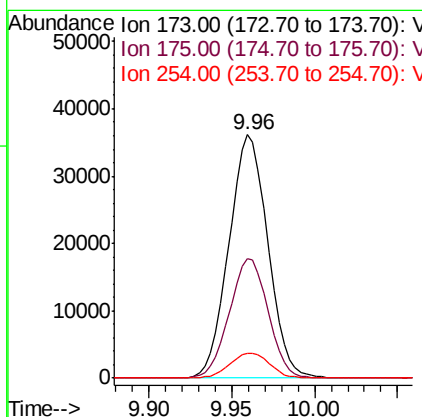
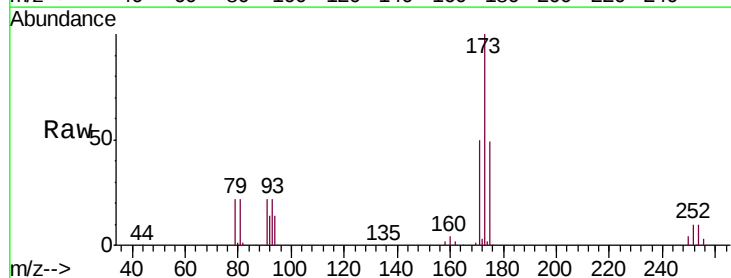
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

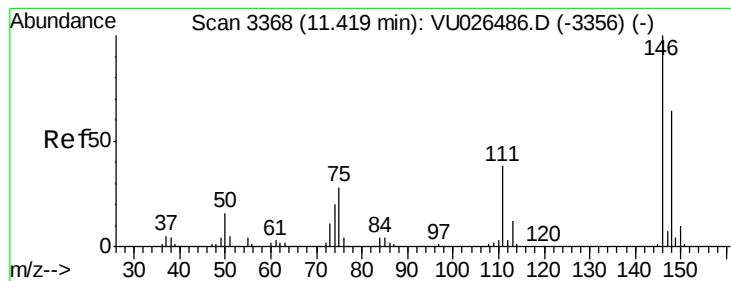
Tgt Ion: 75 Resp: 83276
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.0 37.6



#61
 Bromoform
 Concen: 54.119 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. -0.00 min
 Lab File: VU026515.D
 Acq: 04 Sep 2018 08:45

Tgt Ion: 173 Resp: 59085
 Ion Ratio Lower Upper
 173 100
 175 48.9 38.5 57.7
 254 10.4 8.1 12.1





#62

1,3-Dichlorobenzene

Concen: 52.905 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU026515.D

Acq: 04 Sep 2018 08:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

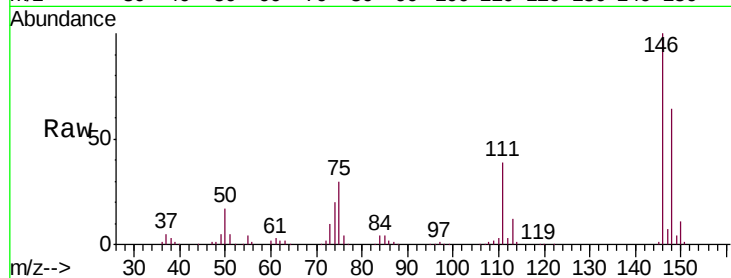
Tgt Ion:146 Resp: 136943

Ion Ratio Lower Upper

146 100

111 38.5 27.5 51.1

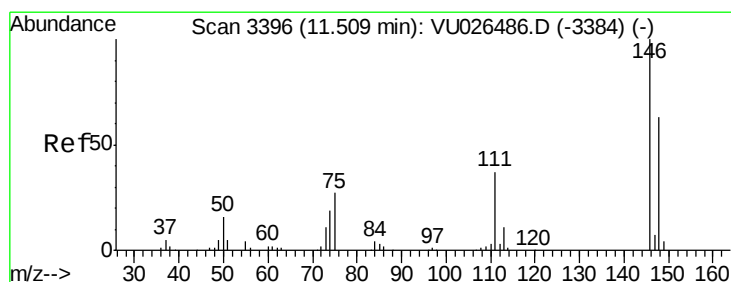
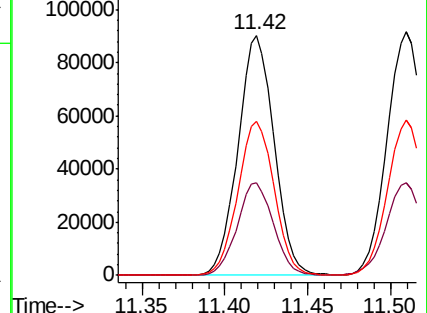
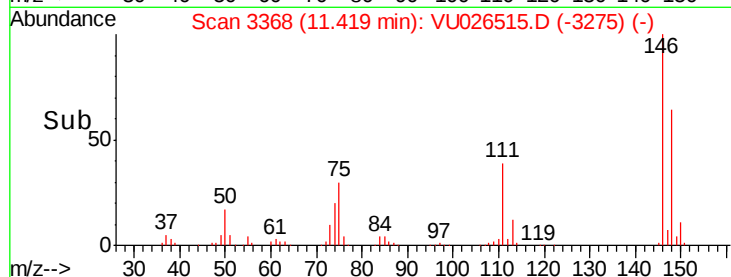
148 64.2 44.9 83.3



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



#63

1,4-Dichlorobenzene

Concen: 51.653 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU026515.D

Acq: 04 Sep 2018 08:45

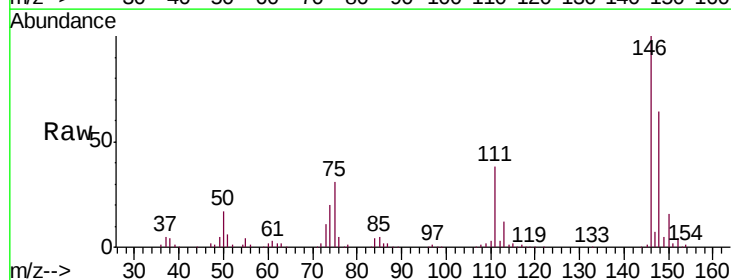
Tgt Ion:146 Resp: 141414

Ion Ratio Lower Upper

146 100

111 38.0 26.2 48.6

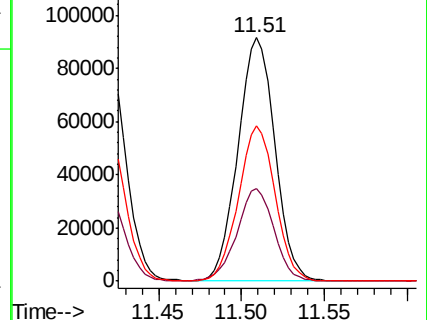
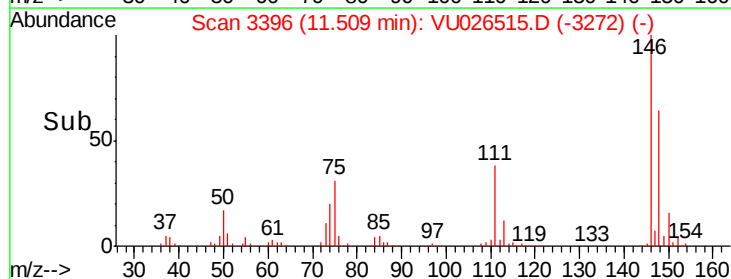
148 63.5 44.9 83.5

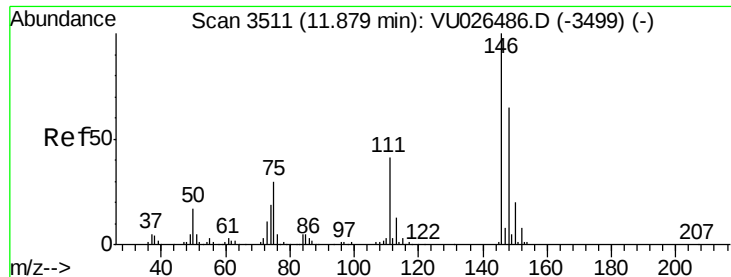


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 53.244 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU026515.D

Acq: 04 Sep 2018 08:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

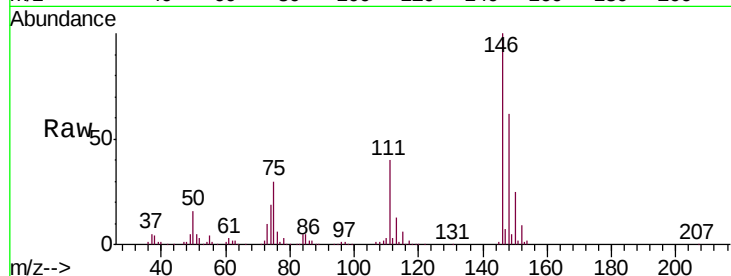
Tgt Ion: 146 Resp: 145365

Ion Ratio Lower Upper

146 100

111 39.6 32.0 48.0

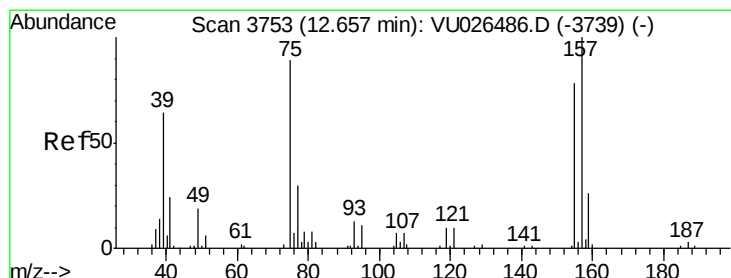
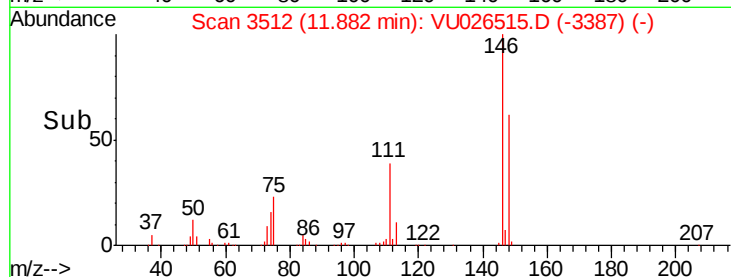
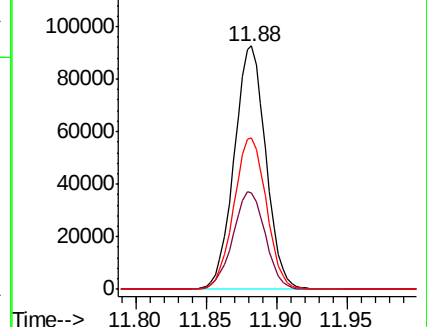
148 62.2 50.2 75.2



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: 49.859 ug/L

RT: 12.66 min Scan# 3753

Delta R.T. -0.00 min

Lab File: VU026515.D

Acq: 04 Sep 2018 08:45

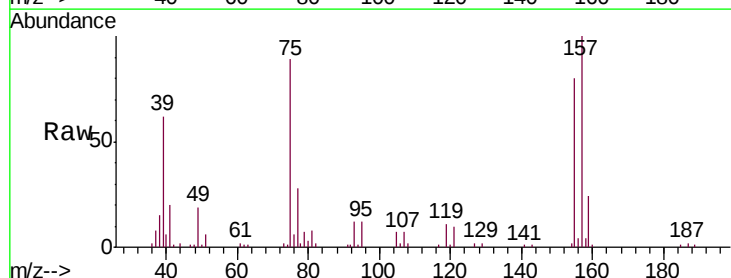
Tgt Ion: 75 Resp: 22889

Ion Ratio Lower Upper

75 100

155 89.6 69.8 104.8

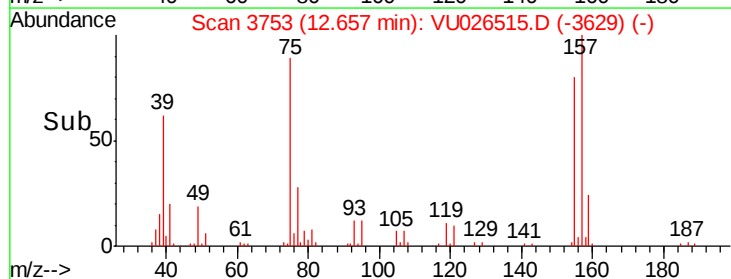
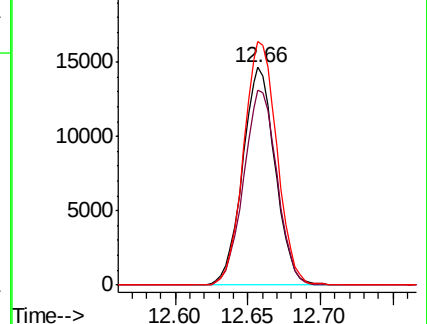
157 112.0 89.8 134.8

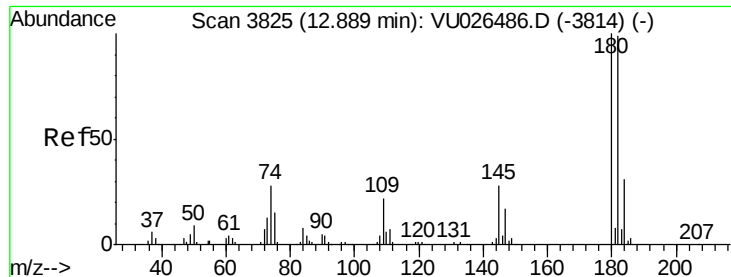


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

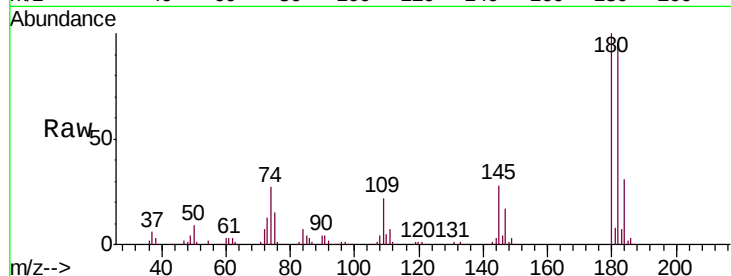




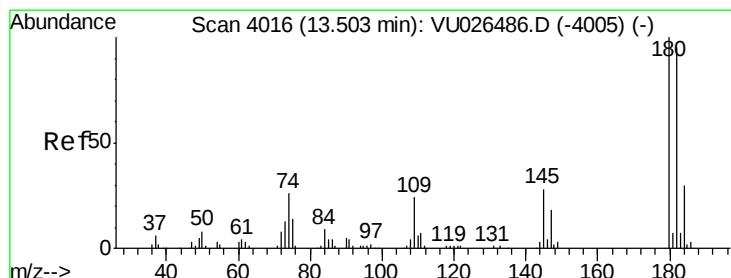
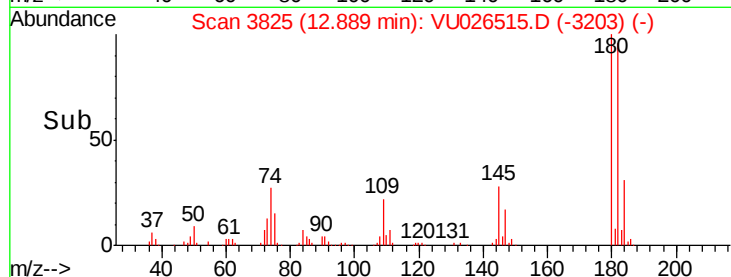
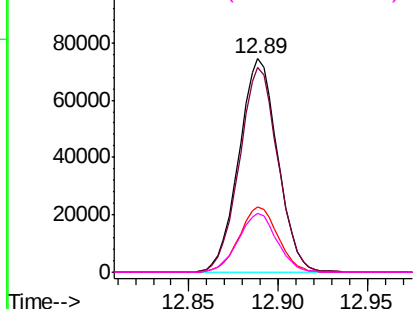
#67
 1,3,5-Trichlorobenzene
 Concen: 54.163 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. -0.00 min
 Lab File: VU026515.D
 Acq: 04 Sep 2018 08:45

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD05042

Tgt Ion:180 Resp: 113143
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.5 114.7
 184 30.8 25.0 37.4
 145 27.5 22.3 33.5

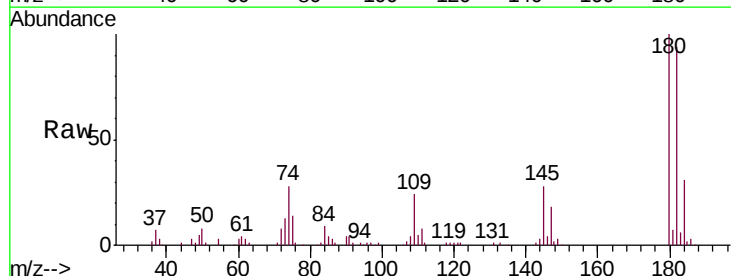


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

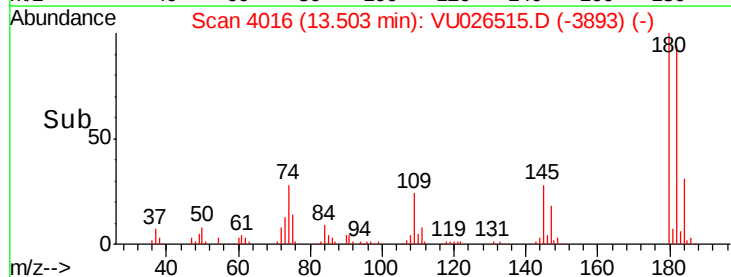
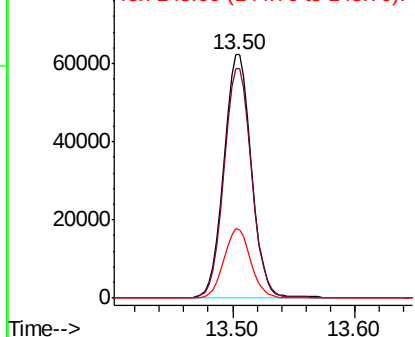


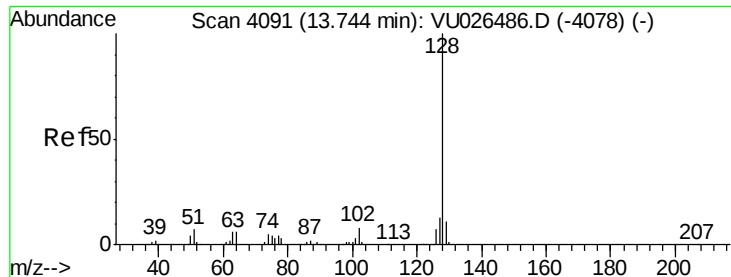
#68
 1,2,4-trichlorobenzene
 Concen: 54.364 ug/L
 RT: 13.50 min Scan# 4016
 Delta R.T. -0.00 min
 Lab File: VU026515.D
 Acq: 04 Sep 2018 08:45

Tgt Ion:180 Resp: 99189
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.6 114.8
 145 27.6 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: 53.522 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. -0.00 min

Lab File: VU026515.D

Acq: 04 Sep 2018 08:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD05042

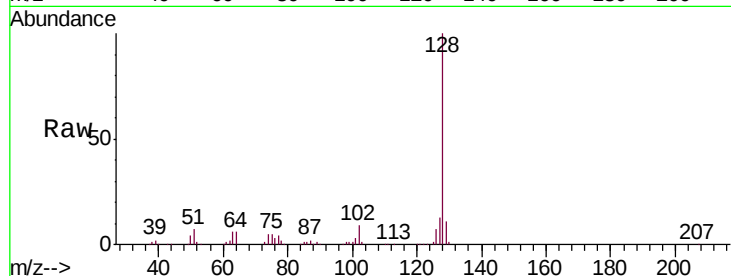
Tgt Ion:128 Resp: 304899

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

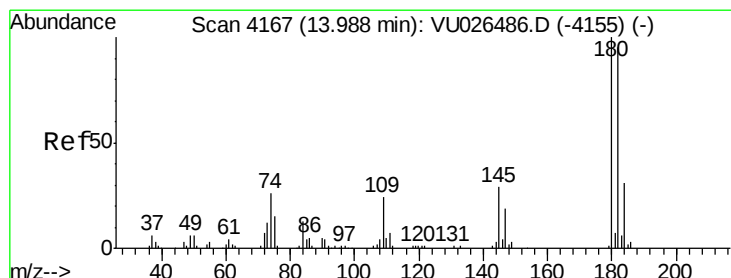
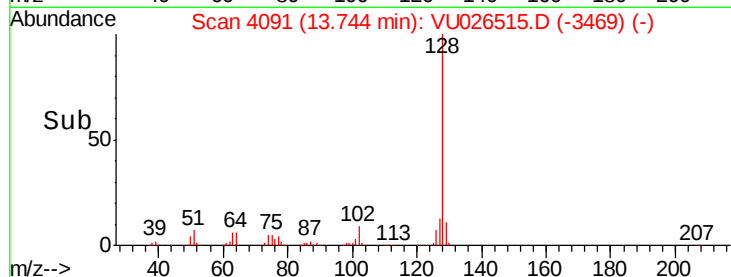
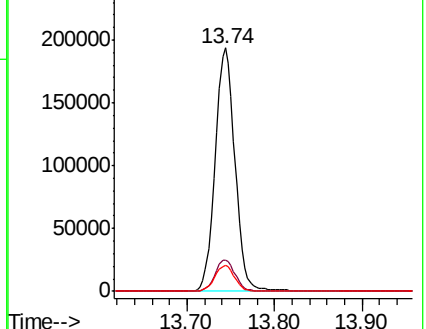
129 10.7 8.5 12.7



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: 53.141 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU026515.D

Acq: 04 Sep 2018 08:45

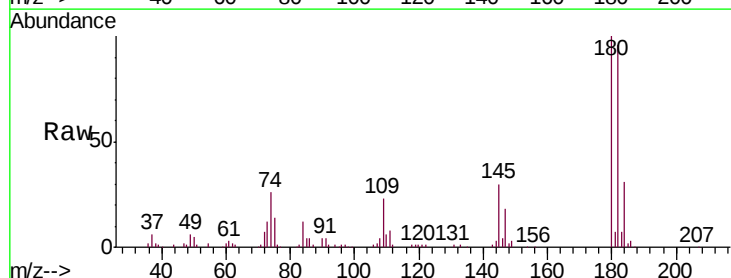
Tgt Ion:180 Resp: 106463

Ion Ratio Lower Upper

180 100

182 96.7 76.5 114.7

145 29.8 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

