

Data File : VU026571.D
Acq On : 06 Sep 2018 02:41
Operator : MD/SY
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

Quant Time: Sep 06 06:03:19 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 06 05:59:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	176528	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	168457	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	83313	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	47779	43.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.36%
7) Chloroethane-d5	1.68	69	41647	42.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.32%
11) 1,1-Dichloroethene-d2	2.27	63	97923	39.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.52%
21) 2-Butanone-d5	4.18	46	77916	91.79	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.79%
24) Chloroform-d	4.65	84	93251	45.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.28%
26) 1,2-Dichloroethane-d4	5.31	65	59411	43.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.40%
32) Benzene-d6	5.34	84	176308	45.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.82%
36) 1,2-Dichloropropane-d6	6.33	67	61238	45.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.82%
41) Toluene-d8	7.57	98	166277	44.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.72%
43) trans-1,3-Dichloropropene-	7.85	79	25361	41.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.28%
47) 2-Hexanone-d5	8.31	63	57924	94.69	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.69%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	87469	44.51	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.02%
64) 1,2-Dichlorobenzene-d4	11.86	152	68146	45.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.16%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	66114	48.032	ug/L 99
3) Chloromethane	1.33	50	78358	46.105	ug/L 98
5) Vinyl chloride	1.40	62	87457	47.466	ug/L 99
6) Bromomethane	1.62	94	41456	37.952	ug/L 99
8) Chloroethane	1.70	64	53467	48.331	ug/L 99
9) Trichlorofluoromethane	1.88	101	112210	47.892	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	60618	46.368	ug/L 98
12) 1,1-Dichloroethene	2.28	96	56903	45.160	ug/L 88
13) Acetone	2.32	43	67410	91.707	ug/L 98
14) Carbon disulfide	2.48	76	173710	48.715	ug/L 99
15) Methyl Acetate	2.62	43	76926	53.298	ug/L 100
16) Methylene chloride	2.70	84	67336	51.977	ug/L 97
17) trans-1,2-Dichloroethene	2.98	96	58192	51.058	ug/L 96
18) Methyl tert-butyl Ether	3.00	73	188379	54.447	ug/L 100
19) 1,1-Dichloroethane	3.45	63	118618	52.967	ug/L 98
20) cis-1,2-Dichloroethene	4.23	96	67483	52.854	ug/L 96
22) 2-Butanone	4.27	43	104917	106.189	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	34851	52.982	ug/L	95
25) Chloroform	4.68	83	118938	52.005	ug/L	97
27) 1,2-Dichloroethane	5.41	62	94954	51.478	ug/L	99
29) Cyclohexane	5.00	56	100721	54.876	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	97945	52.835	ug/L	98
31) Carbon tetrachloride	5.14	117	88826	52.736	ug/L	99
33) Benzene	5.39	78	262728	54.401	ug/L	100
34) Trichloroethene	6.19	95	62388	51.502	ug/L	97
35) Methylcyclohexane	6.42	83	100674	53.223	ug/L	100
37) 1,2-Dichloropropane	6.44	63	73443	54.932	ug/L	100
38) Bromodichloromethane	6.76	83	90040	52.811	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	96464	50.636	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	200633	111.272	ug/L	100
42) Toluene	7.64	91	272692	54.113	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	89957	49.542	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	65082	53.137	ug/L	99
46) Tetrachloroethene	8.23	164	51618	52.119	ug/L	98
48) 2-Hexanone	8.36	43	158198	111.401	ug/L	99
49) Dibromochloromethane	8.48	129	73872	53.528	ug/L	100
50) 1,2-Dibromoethane	8.59	107	69560	53.333	ug/L	96
51) Chlorobenzene	9.12	112	173219	51.402	ug/L	99
52) Ethylbenzene	9.25	91	292614	53.389	ug/L	99
53) m,p-Xylene	9.38	106	109124	53.323	ug/L	100
54) o-xylene	9.78	106	110150	55.194	ug/L	96
55) Styrene	9.80	104	190580	54.665	ug/L	99
56) Isopropylbenzene	10.17	105	281318	53.850	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	113802	52.748	ug/L	98
59) 1,2,3-Trichloropropane	10.50	75	87885	52.680	ug/L	98
61) Bromoform	9.96	173	56497	54.944	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	127044	52.111	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	131683	51.068	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	138758	53.962	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	23774	54.984	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	99963	50.808	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	85767	49.910	ug/L	98
69) Naphthalene	13.74	128	301434	56.181	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	97604	51.728	ug/L	98

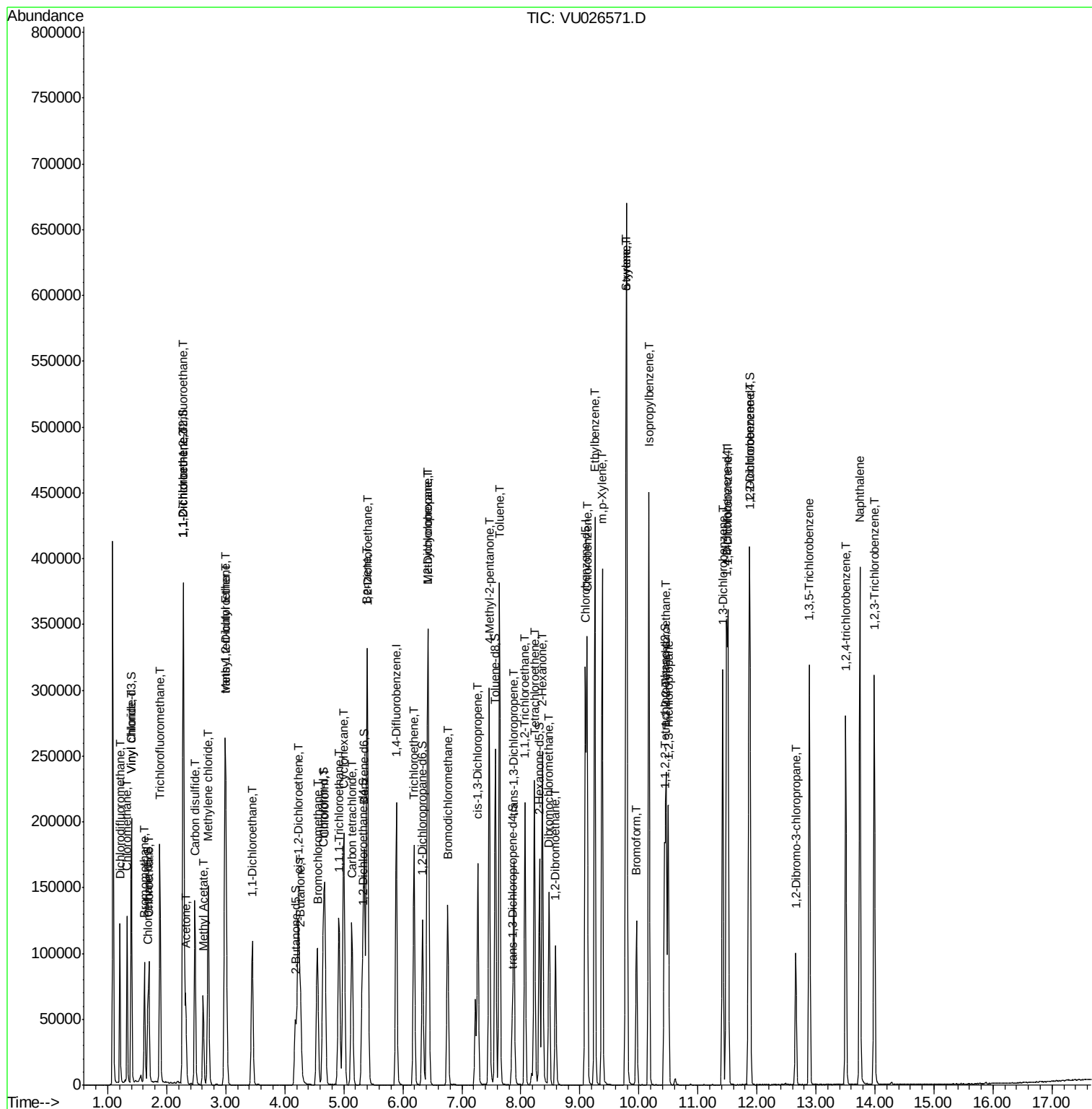
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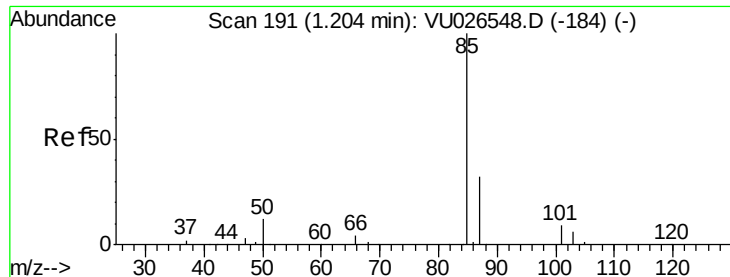
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#2

Dichlorodifluoromethane

Concen: 48.032 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU026571.D

Acq: 06 Sep 2018 02:41

Instrument :

MSVOA_U

ClientSampleId :

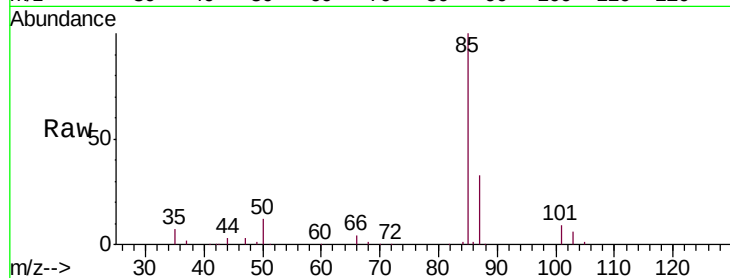
VSTD05059

Tgt Ion: 85 Resp: 66114

Ion Ratio Lower Upper

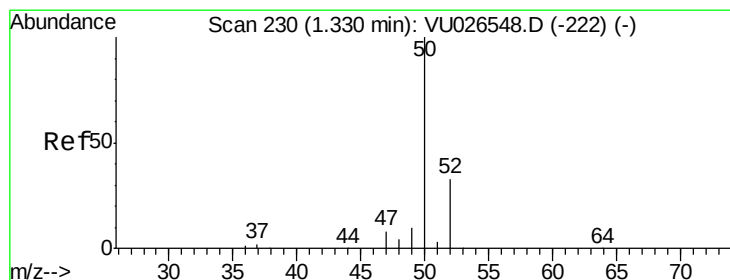
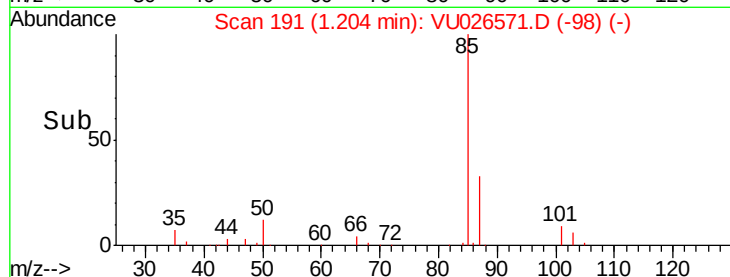
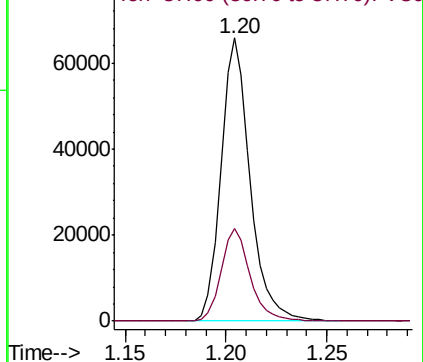
85 100

87 32.5 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 46.105 ug/L

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU026571.D

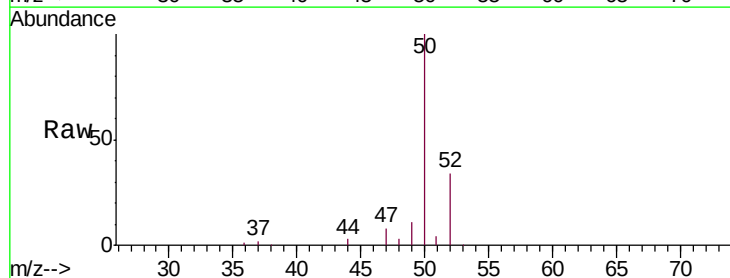
Acq: 06 Sep 2018 02:41

Tgt Ion: 50 Resp: 78358

Ion Ratio Lower Upper

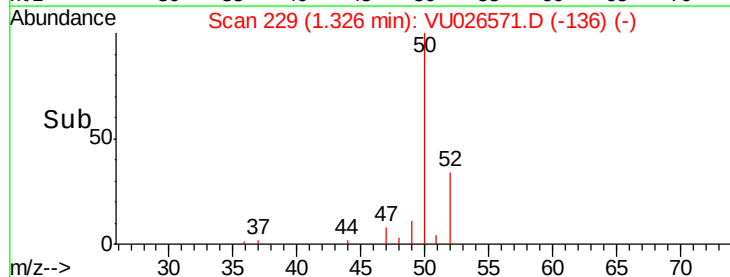
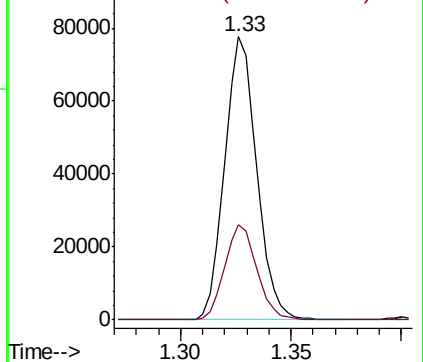
50 100

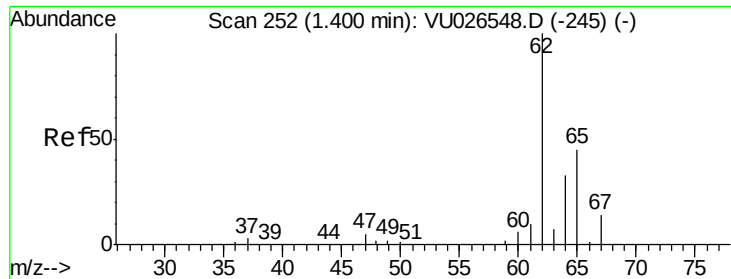
52 33.8 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 47.466 ug/L

RT: 1.40 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU026571.D

Acq: 06 Sep 2018 02:41

Instrument :

MSVOA_U

ClientSampleId :

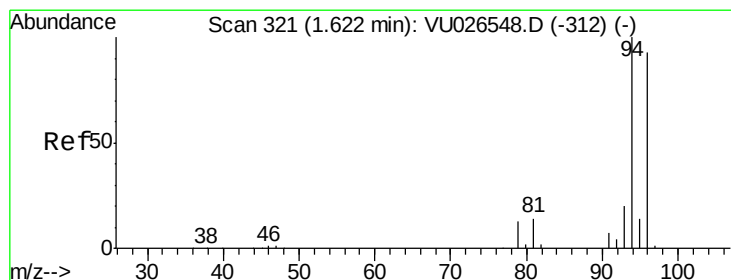
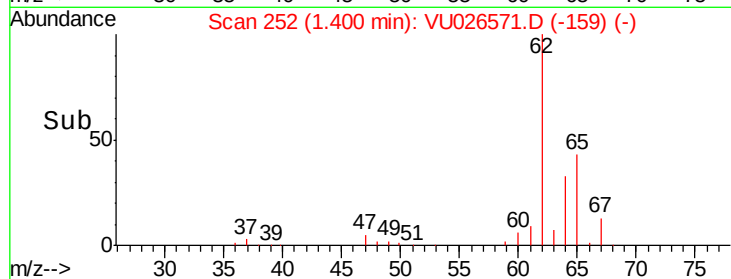
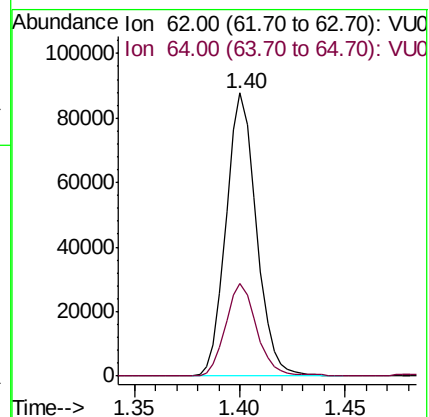
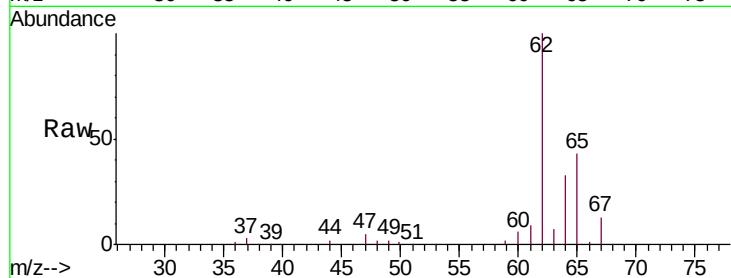
VSTD05059

Tgt Ion: 62 Resp: 87457

Ion Ratio Lower Upper

62 100

64 32.5 22.4 41.6



#6

Bromomethane

Concen: 37.952 ug/L

RT: 1.62 min Scan# 321

Delta R.T. -0.00 min

Lab File: VU026571.D

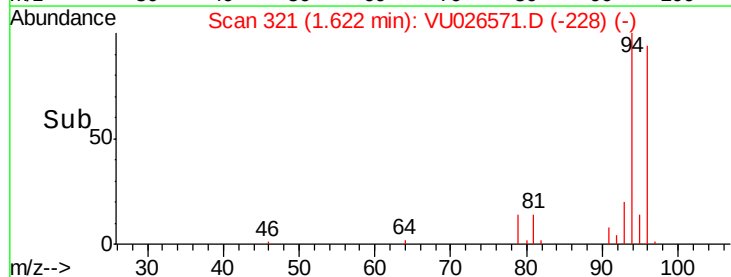
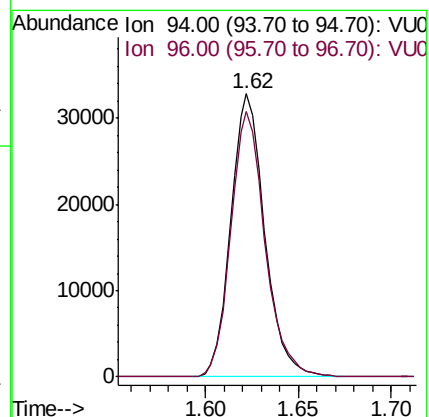
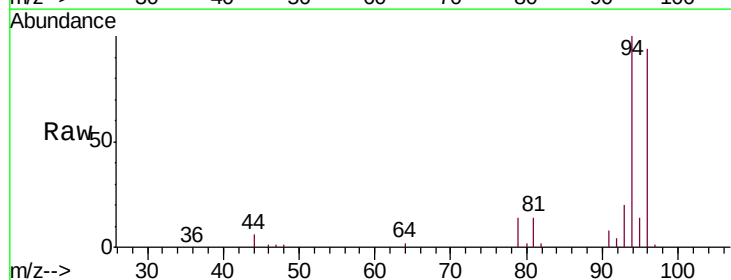
Acq: 06 Sep 2018 02:41

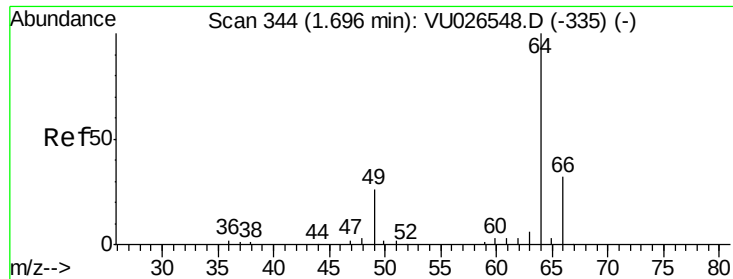
Tgt Ion: 94 Resp: 41456

Ion Ratio Lower Upper

94 100

96 93.8 65.3 121.3

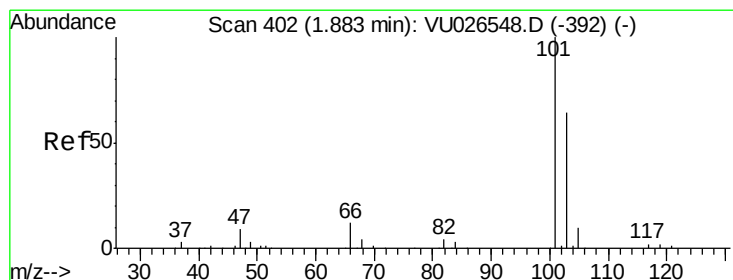
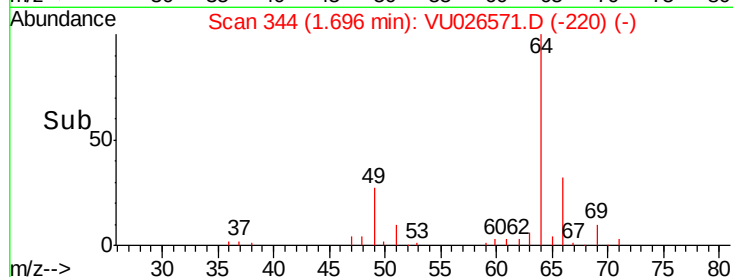
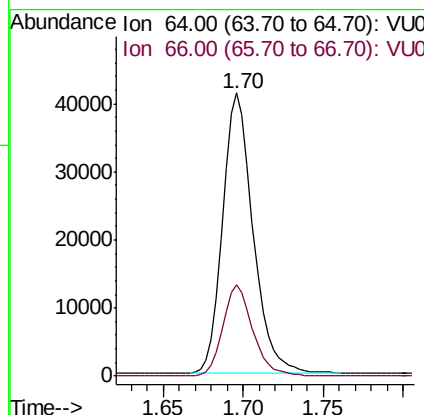
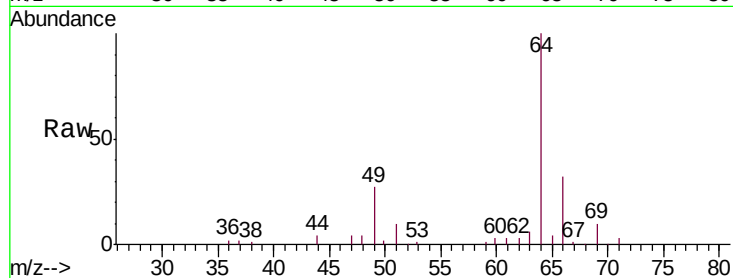




#8
 Chloroethane
 Concen: 48.331 ug/L
 RT: 1.70 min Scan# 344
 Delta R.T. -0.00 min
 Lab File: VU026571.D
 Acq: 06 Sep 2018 02:41

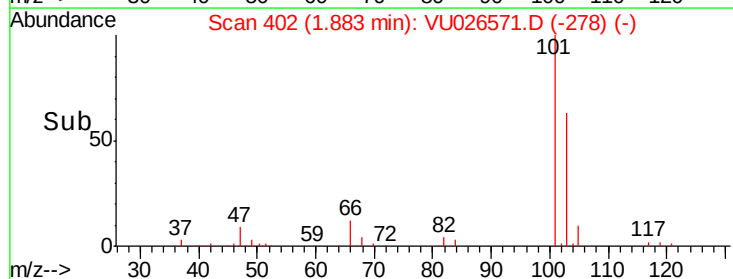
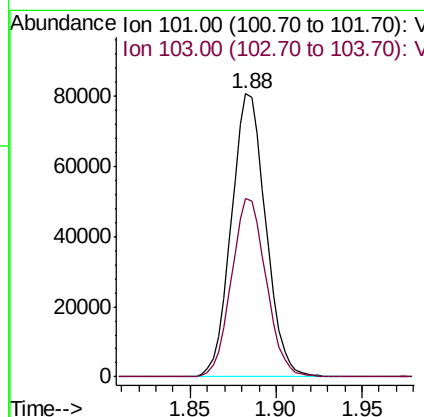
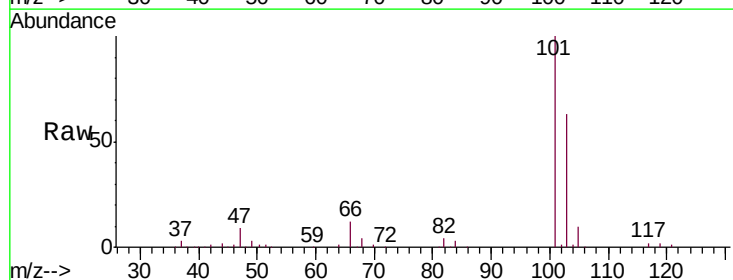
Instrument :
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 ClientSampleId :
 VSTD05059

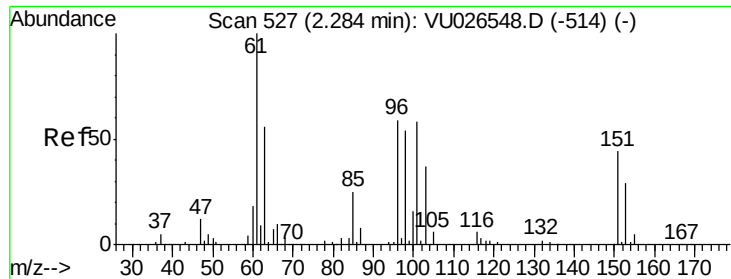
Tgt Ion: 64 Resp: 53467
 Ion Ratio Lower Upper
 64 100
 66 32.1 22.2 41.2



#9
 Trichlorofluoromethane
 Concen: 47.892 ug/L
 RT: 1.88 min Scan# 402
 Delta R.T. -0.00 min
 Lab File: VU026571.D
 Acq: 06 Sep 2018 02:41

Tgt Ion: 101 Resp: 112210
 Ion Ratio Lower Upper
 101 100
 103 63.4 52.7 79.1





#10

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

Concen: 46.368 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU026571.D

Acq: 06 Sep 2018 02:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD05059

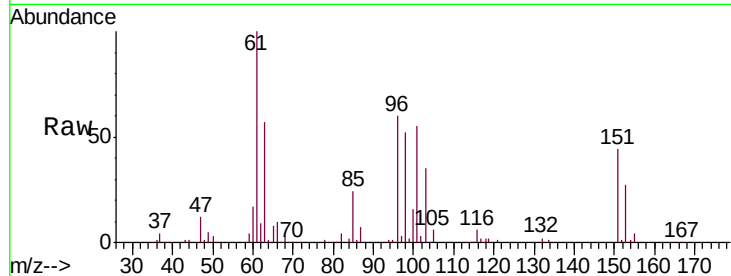
Tgt Ion: 101 Resp: 60618

Ion Ratio Lower Upper

101 100

85 43.2 35.3 52.9

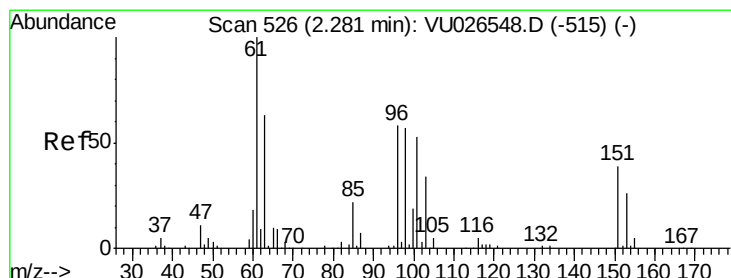
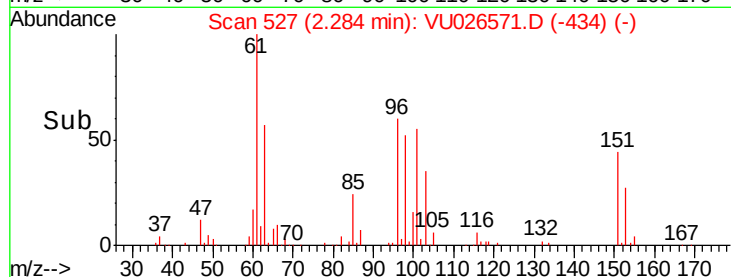
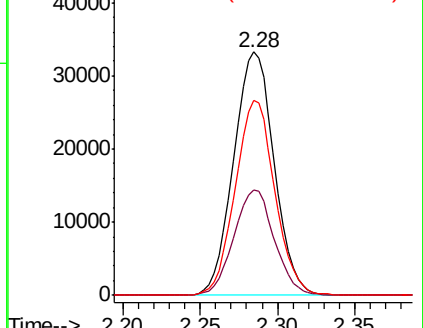
151 78.2 60.7 91.1



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: 45.160 ug/L

RT: 2.28 min Scan# 526

Delta R.T. -0.00 min

Lab File: VU026571.D

Acq: 06 Sep 2018 02:41

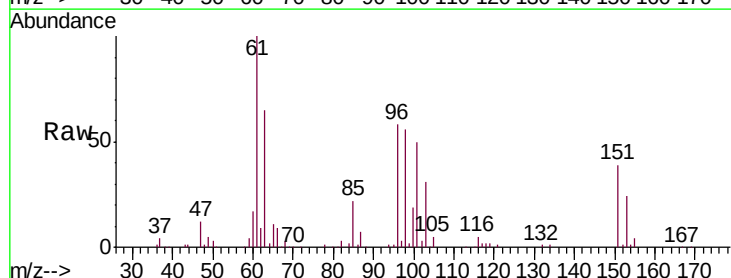
Tgt Ion: 96 Resp: 56903

Ion Ratio Lower Upper

96 100

61 172.4 129.3 240.1

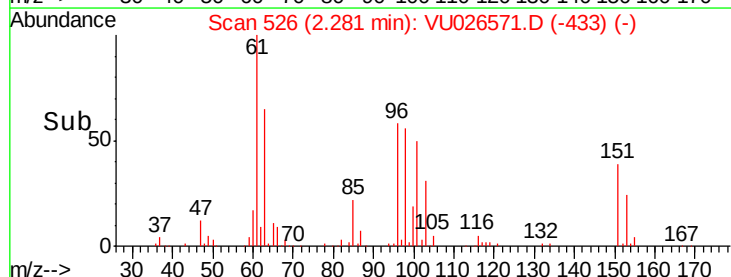
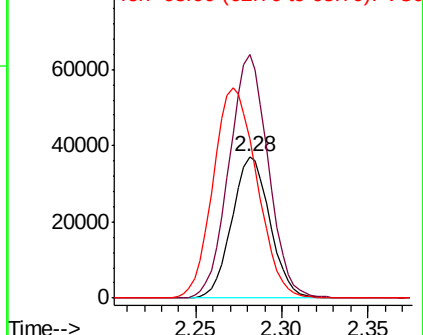
63 112.5 91.7 170.3

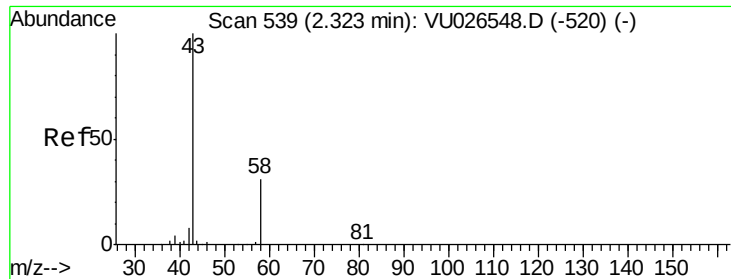


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 91.707 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU026571.D

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Instrument :

MSVOA_U

ClientSampleId :

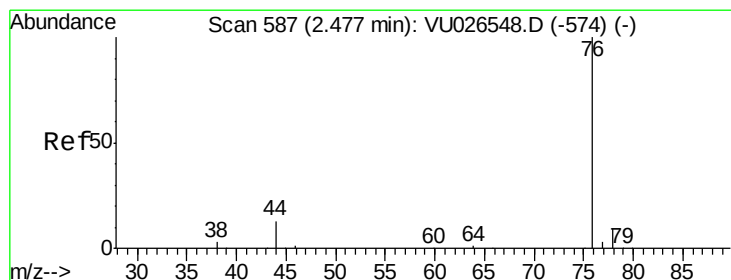
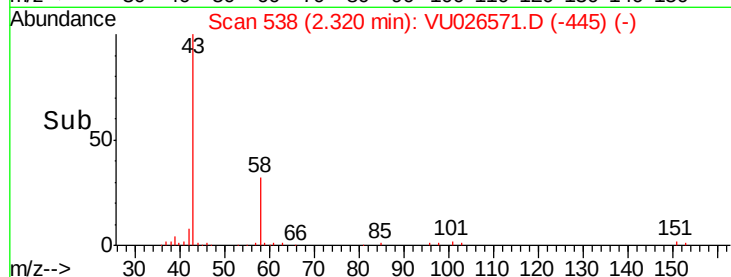
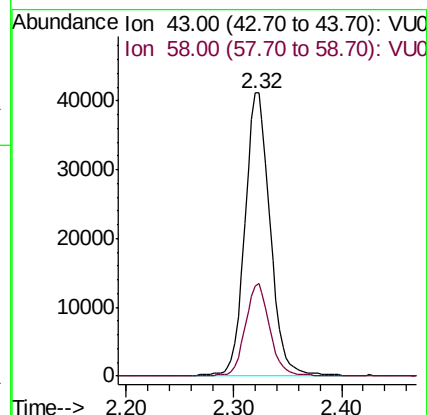
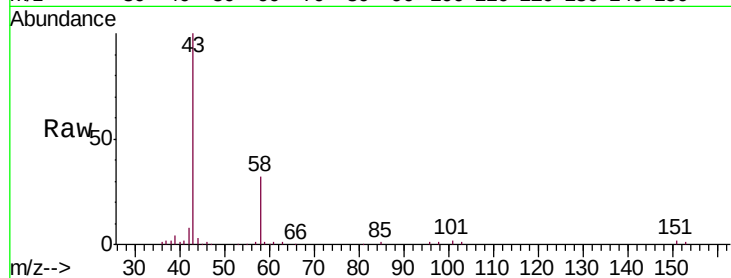
VSTD05059

Tgt Ion: 43 Resp: 67410

Ion Ratio Lower Upper

43 100

58 31.4 0.0 61.2



#14

Carbon disulfide

Concen: 48.715 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU026571.D

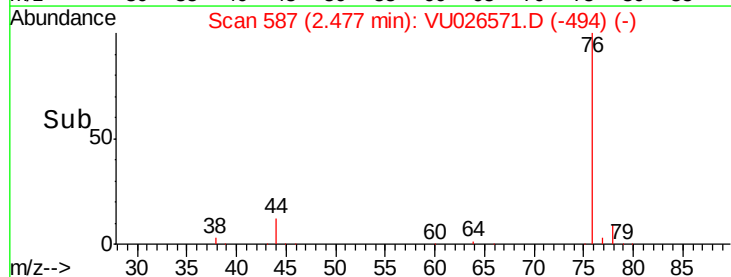
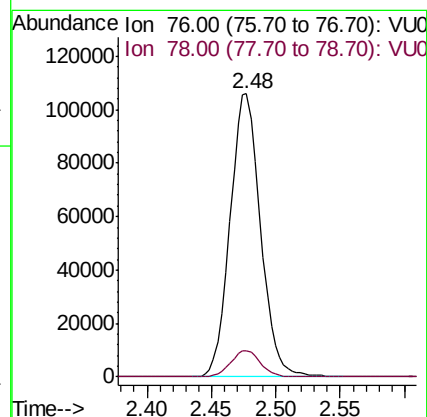
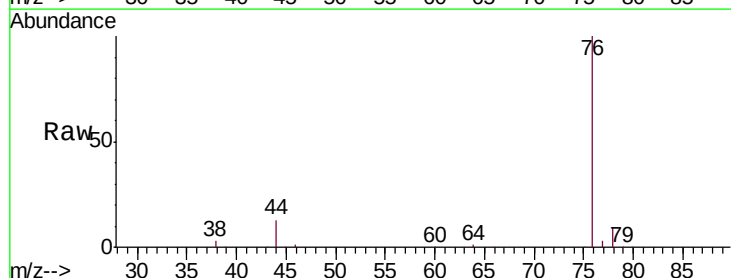
Acq: 06 Sep 2018 02:41

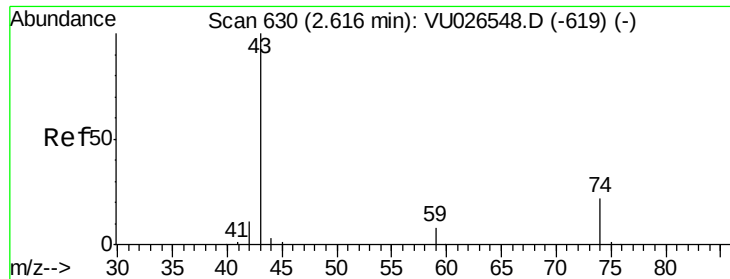
Tgt Ion: 76 Resp: 173710

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9





#15

Methyl Acetate

Concen: 53.298 ug/L

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU026571.D

Acq: 06 Sep 2018 02:41

Instrument :

MSVOA_U

ClientSampleId :

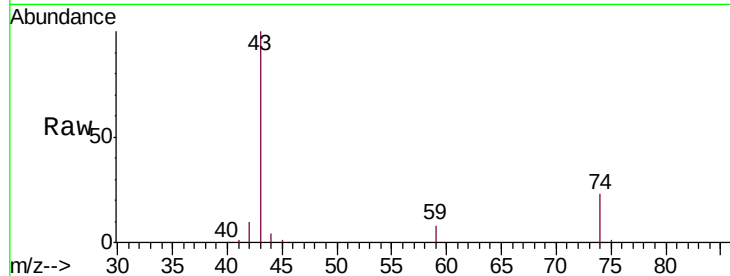
VSTD05059

Tgt Ion: 43 Resp: 76926

Ion Ratio Lower Upper

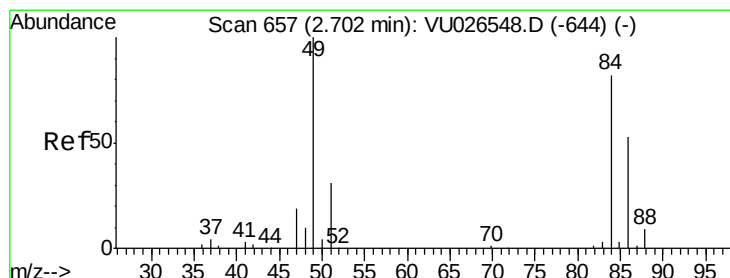
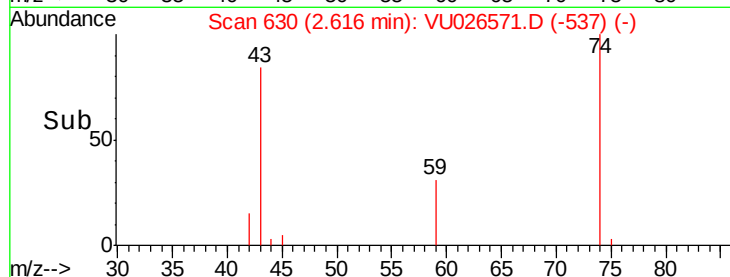
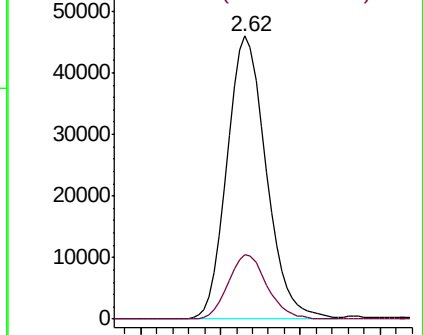
43 100

74 22.4 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#16

Methylene chloride

Concen: 51.977 ug/L

RT: 2.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: VU026571.D

Acq: 06 Sep 2018 02:41

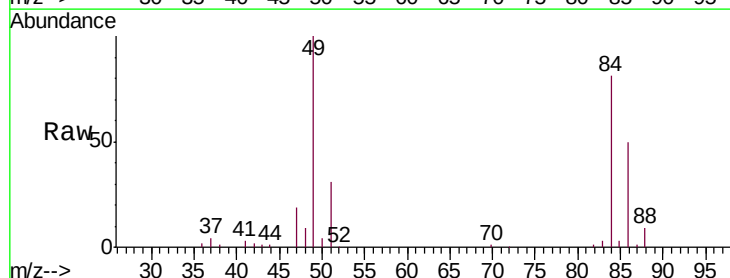
Tgt Ion: 84 Resp: 67336

Ion Ratio Lower Upper

84 100

86 62.1 46.2 85.8

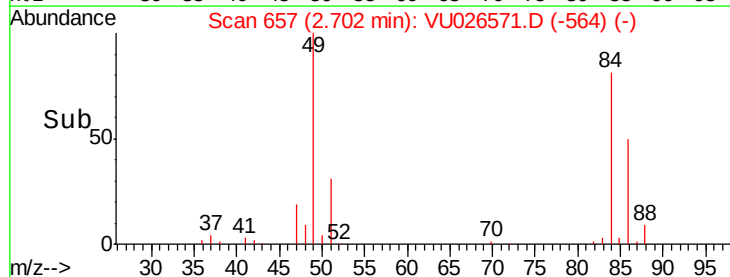
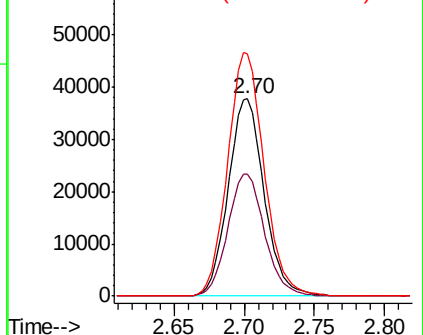
49 123.4 88.2 163.8

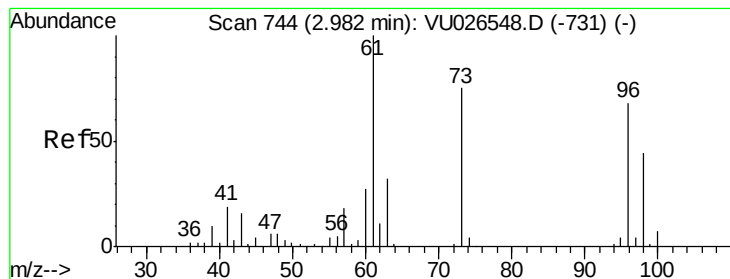


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 51.058 ug/L

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU026571.D

Acq: 06 Sep 2018 02:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD05059

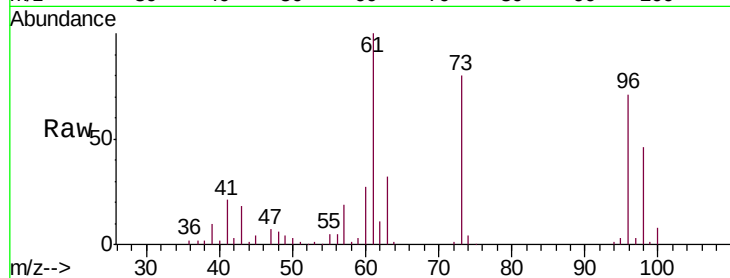
Tgt Ion: 96 Resp: 58192

Ion Ratio Lower Upper

96 100

61 140.0 103.2 191.6

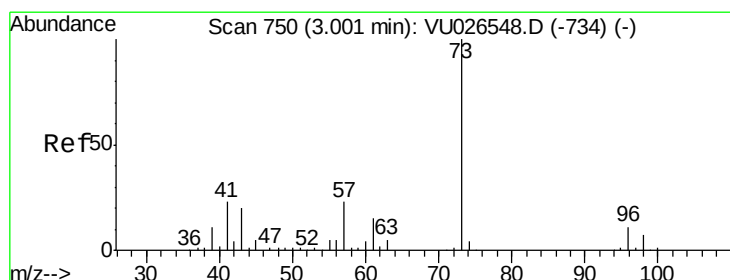
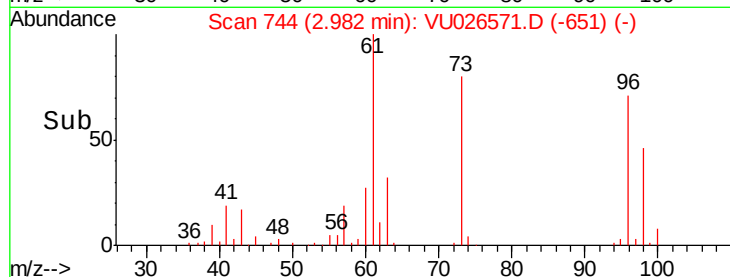
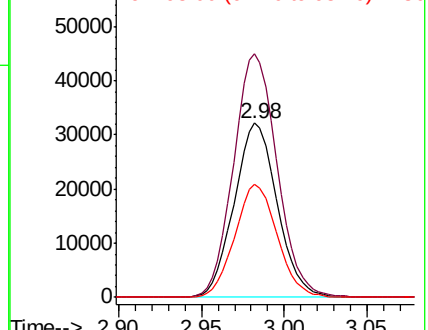
98 64.8 44.9 83.3



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: 54.447 ug/L

RT: 3.00 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU026571.D

Acq: 06 Sep 2018 02:41

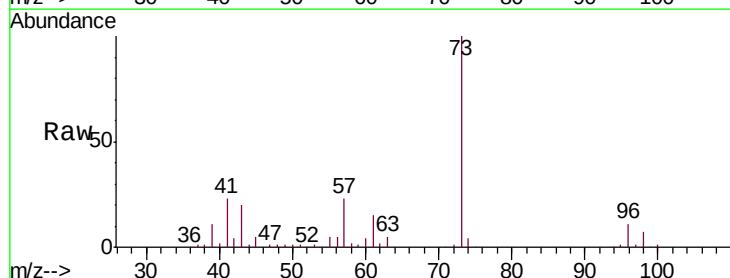
Tgt Ion: 73 Resp: 188379

Ion Ratio Lower Upper

73 100

43 20.6 16.6 25.0

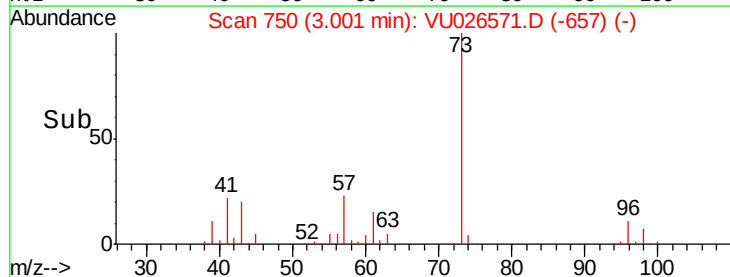
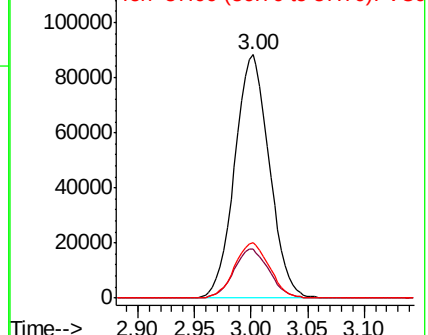
57 22.9 18.2 27.2

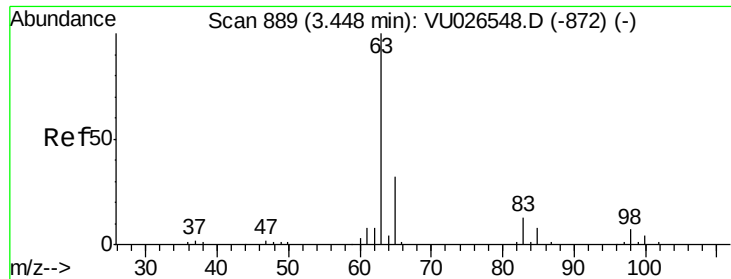


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

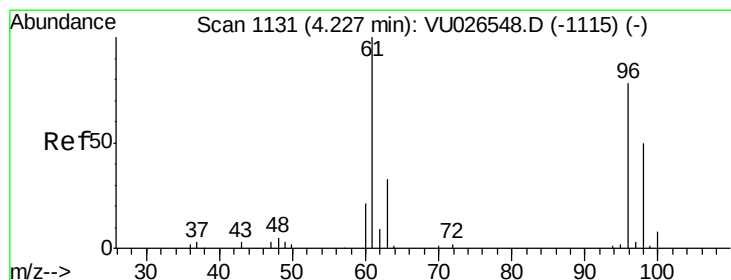
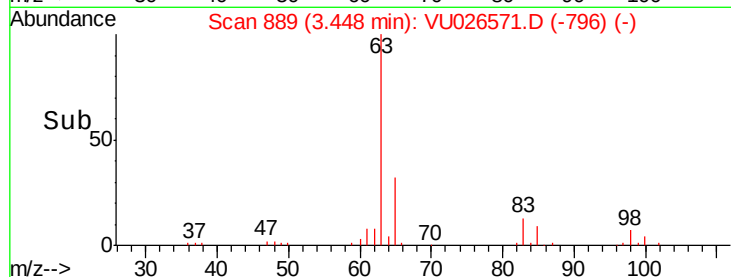
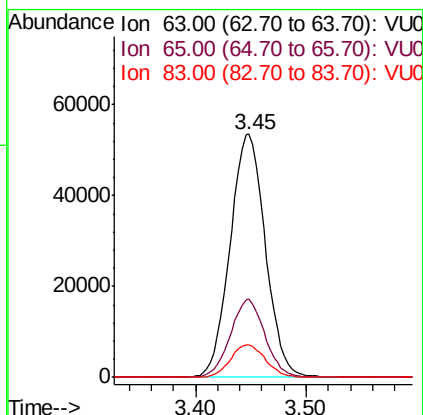
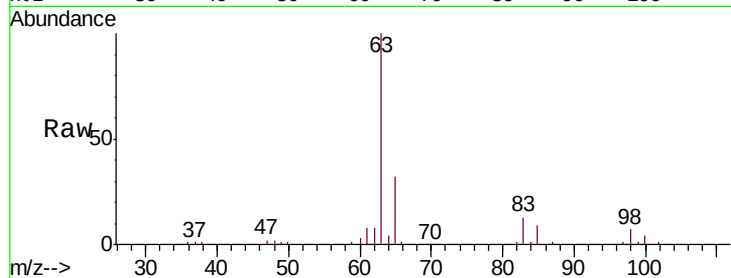




#19
 1,1-Dichloroethane
 Concen: 52.967 ug/L
 RT: 3.45 min Scan# 889
 Delta R.T. -0.00 min
 Lab File: VU026571.D
 Acq: 06 Sep 2018 02:41

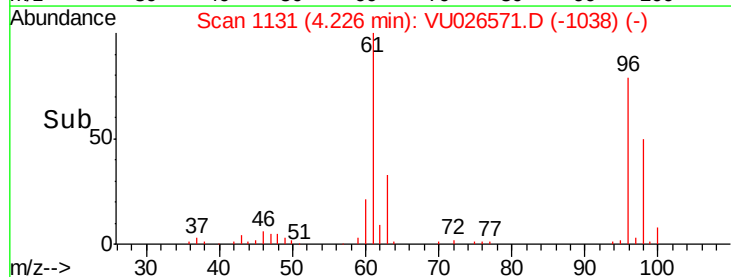
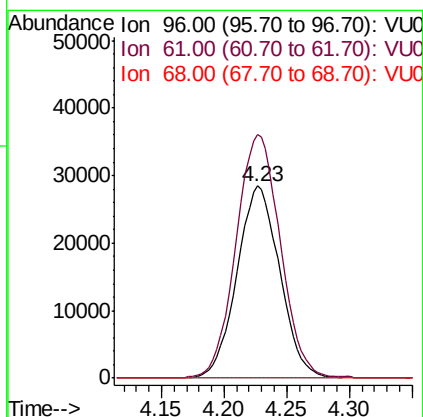
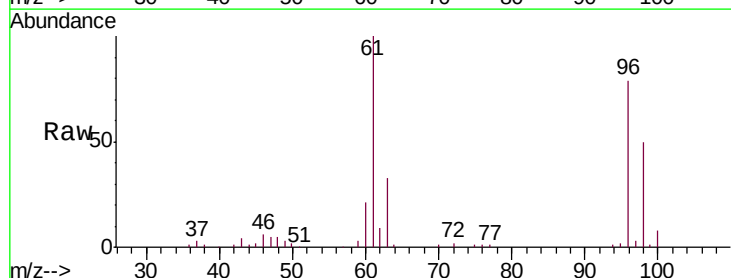
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

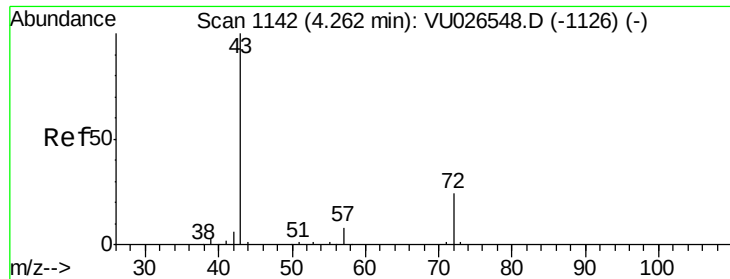
Tgt Ion: 63 Resp: 118618
 Ion Ratio Lower Upper
 63 100
 65 32.1 21.6 40.2
 83 13.5 8.8 16.4



#20
 cis-1,2-Dichloroethene
 Concen: 52.854 ug/L
 RT: 4.23 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VU026571.D
 Acq: 06 Sep 2018 02:41

Tgt Ion: 96 Resp: 67483
 Ion Ratio Lower Upper
 96 100
 61 126.6 91.6 170.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 106.189 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU026571.D

Acq: 06 Sep 2018 02:41

Instrument :

MSVOA_U

ClientSampleId :

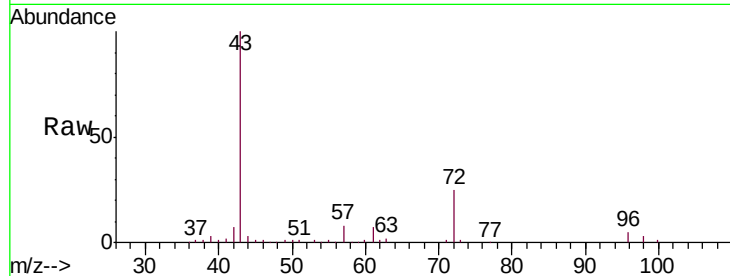
VSTD05059

Tgt Ion: 43 Resp: 104917

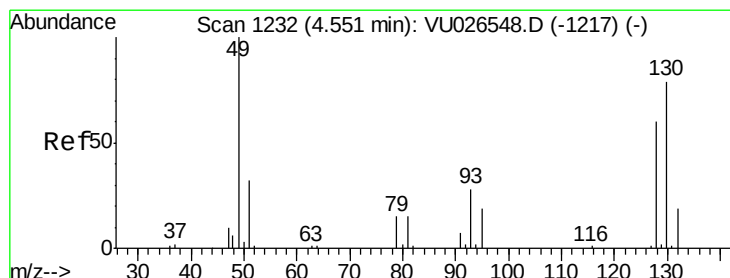
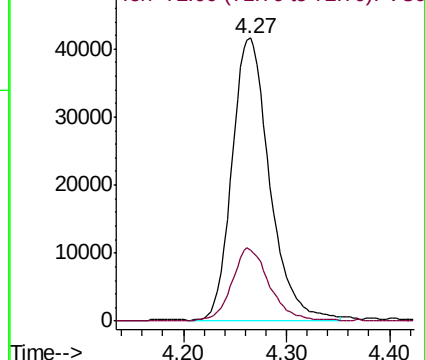
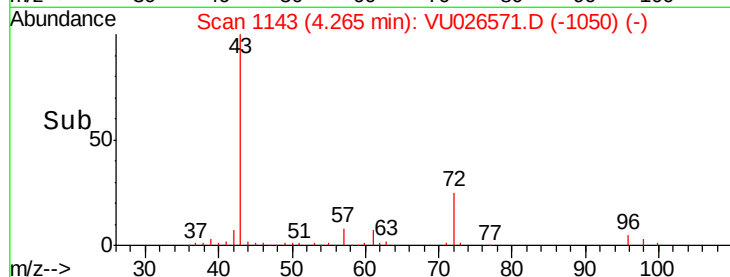
Ion Ratio Lower Upper

43 100

72 26.0 13.0 38.9



Abundance Ion 43.00 (42.70 to 43.70): VU026571.D (-1050) (-)



#23

Bromochloromethane

Concen: 52.982 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU026571.D

Acq: 06 Sep 2018 02:41

Tgt Ion: 128 Resp: 34851

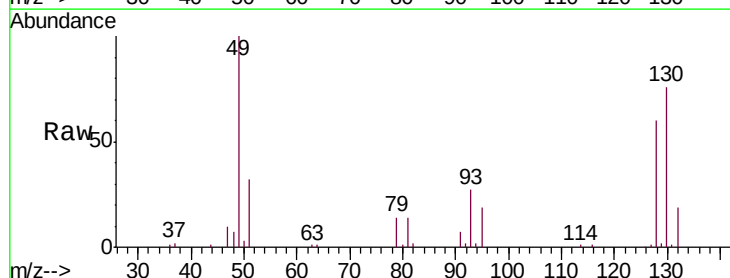
Ion Ratio Lower Upper

128 100

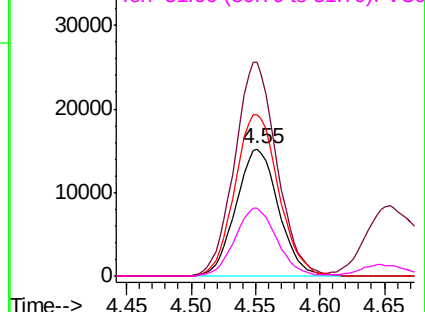
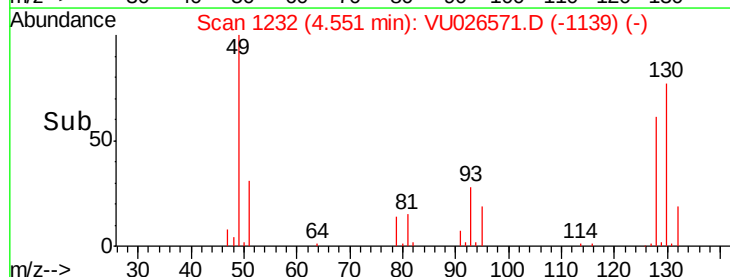
49 167.8 121.2 225.0

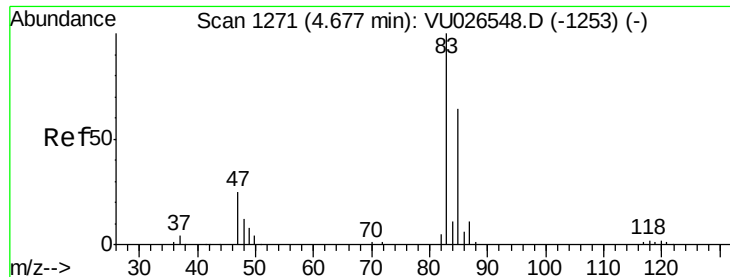
130 127.1 94.1 174.7

51 53.0 45.1 67.7



Abundance Ion 128.00 (127.70 to 128.70): VU026571.D (-1139) (-)

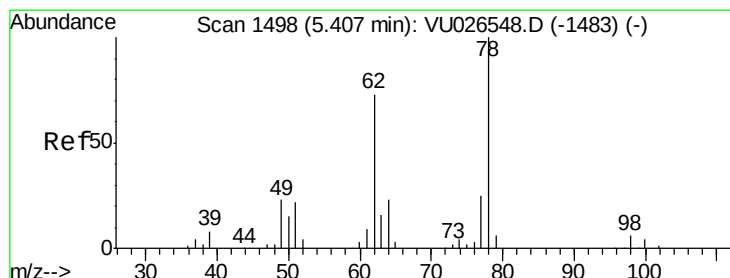
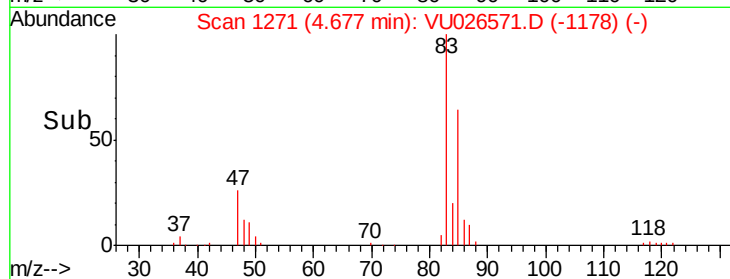
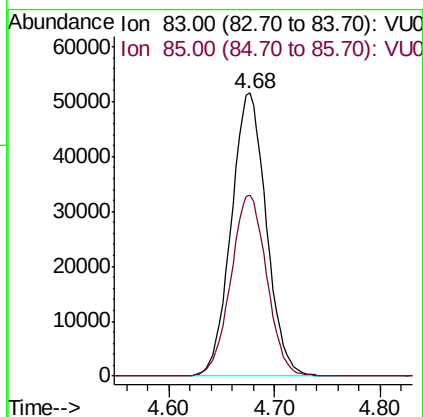
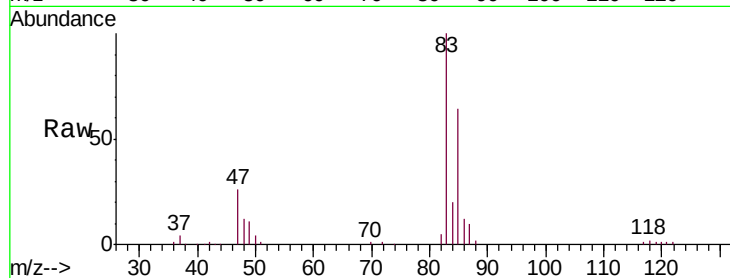




#25
Chloroform
Concen: 52.005 ug/L
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU026571.D
Acq: 06 Sep 2018 02:41

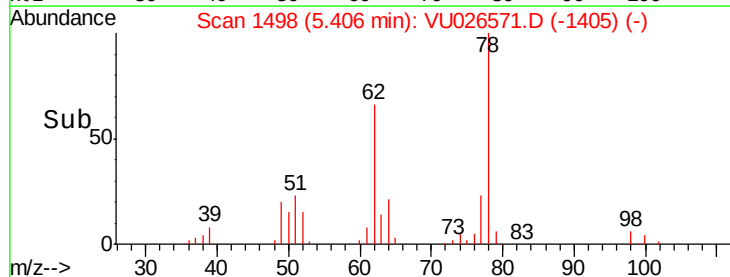
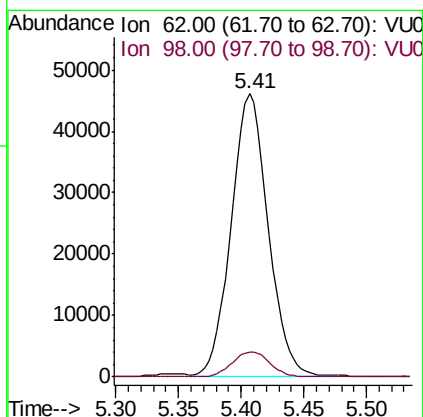
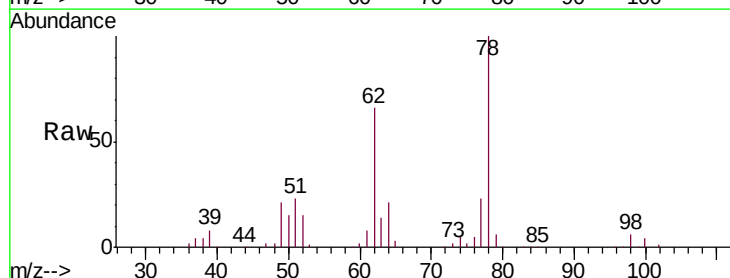
Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

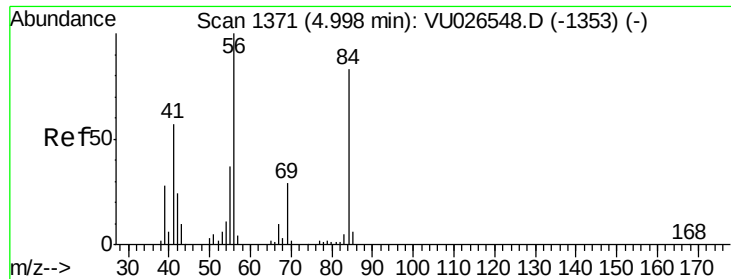
Tgt Ion: 83 Resp: 118938
Ion Ratio Lower Upper
83 100
85 63.9 46.5 86.5



#27
1,2-Dichloroethane
Concen: 51.478 ug/L
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU026571.D
Acq: 06 Sep 2018 02:41

Tgt Ion: 62 Resp: 94954
Ion Ratio Lower Upper
62 100
98 8.8 6.8 10.2

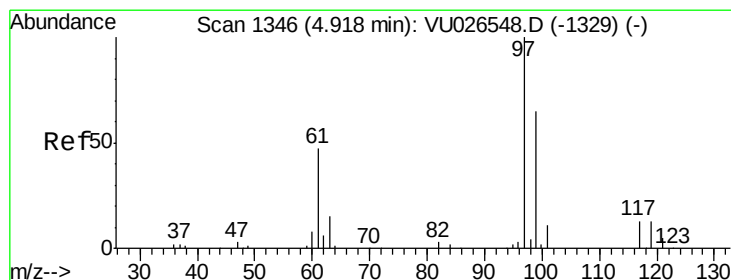
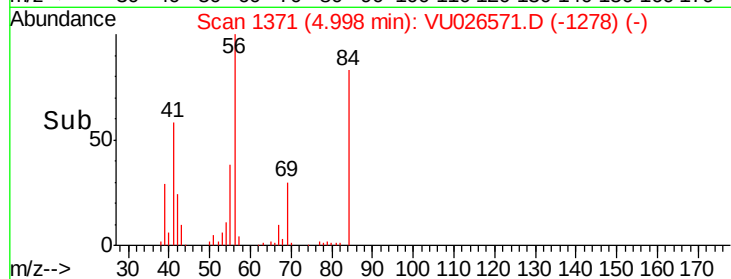
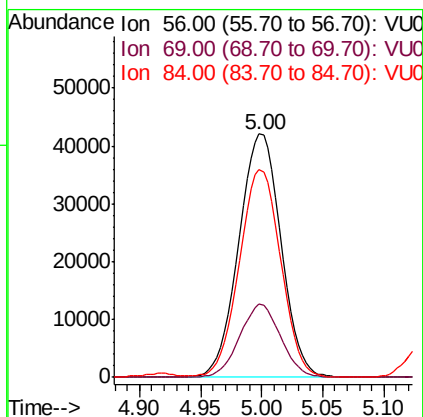
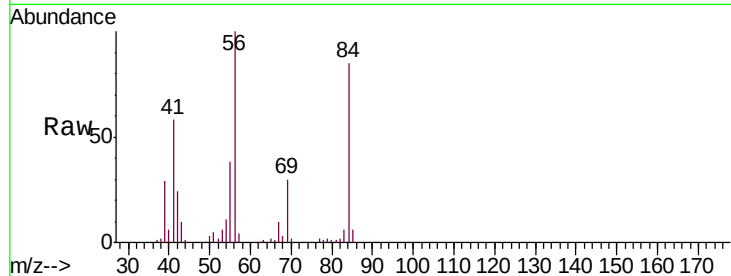




#29
Cyclohexane
Concen: 54.876 ug/L
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU026571.D
Acq: 06 Sep 2018 02:41

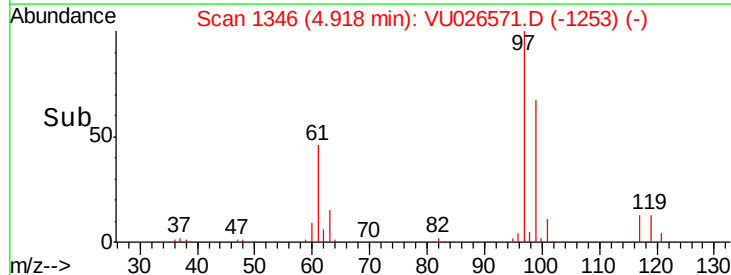
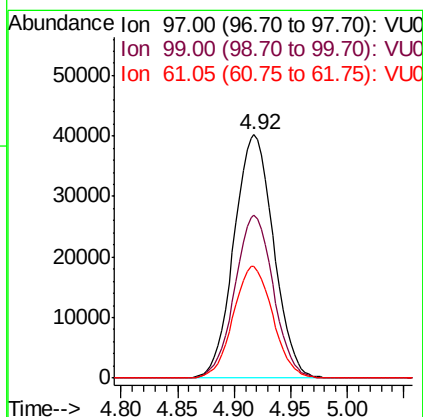
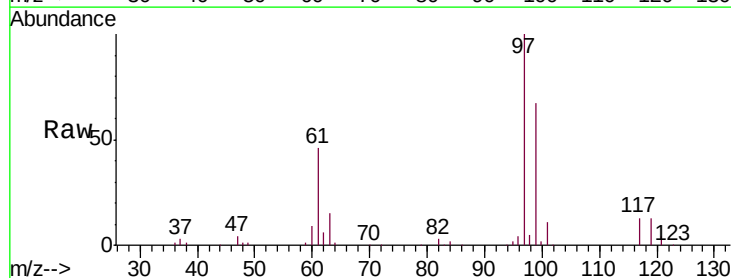
Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

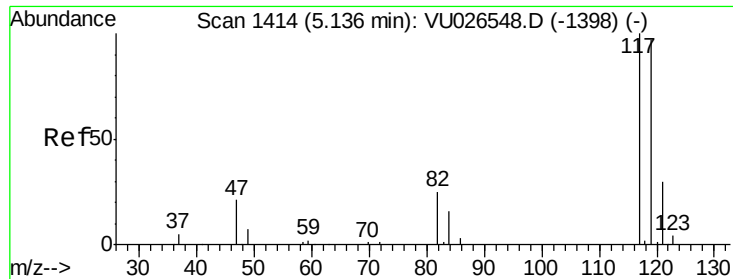
Tgt Ion: 56 Resp: 100721
Ion Ratio Lower Upper
56 100
69 29.1 24.0 36.0
84 84.1 67.2 100.8



#30
1,1,1-Trichloroethane
Concen: 52.835 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU026571.D
Acq: 06 Sep 2018 02:41

Tgt Ion: 97 Resp: 97945
Ion Ratio Lower Upper
97 100
99 65.1 51.6 77.4
61 45.7 37.9 56.9





#31

Carbon tetrachloride

Concen: 52.736 ug/L

RT: 5.14 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VU026571.D

Acq: 06 Sep 2018 02:41

Instrument :

MSVOA_U

ClientSampleId :

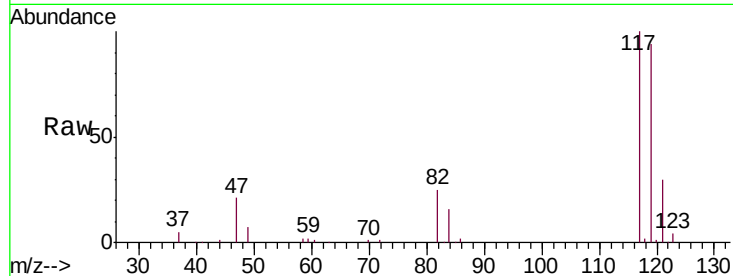
VSTD05059

Tgt Ion:117 Resp: 88826

Ion Ratio Lower Upper

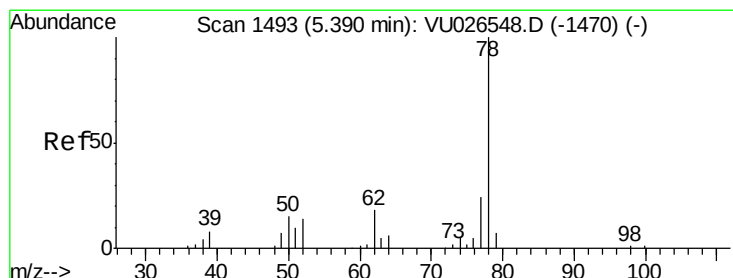
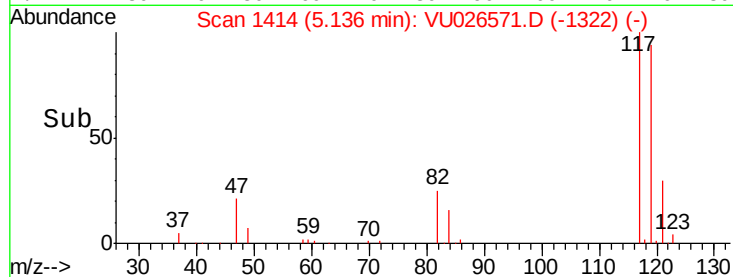
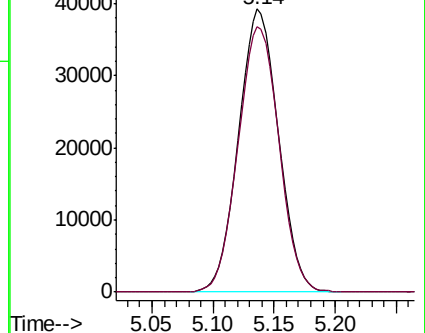
117 100

119 96.0 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: 54.401 ug/L

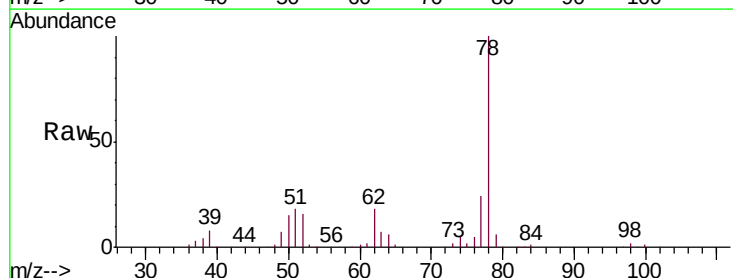
RT: 5.39 min Scan# 1493

Delta R.T. -0.00 min

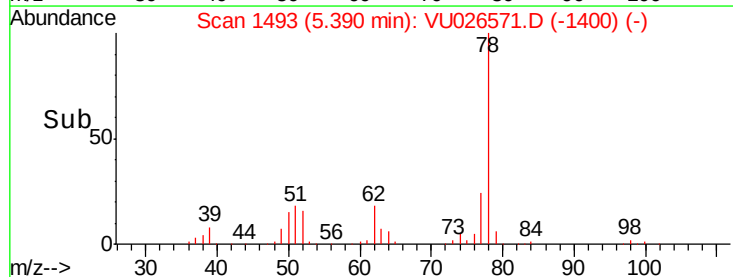
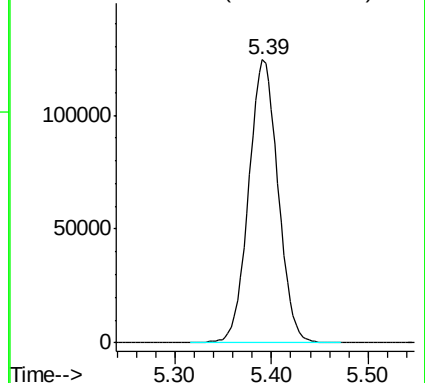
Lab File: VU026571.D

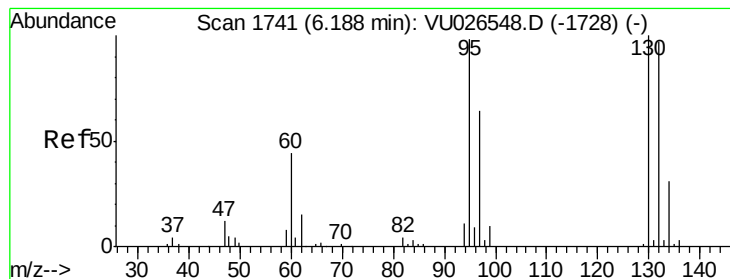
Acq: 06 Sep 2018 02:41

Tgt Ion: 78 Resp: 262728



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 51.502 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU026571.D

Acq: 06 Sep 2018 02:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD05059

Tgt Ion: 95 Resp: 62388

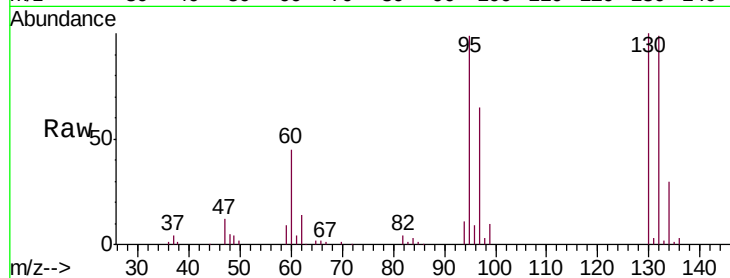
Ion Ratio Lower Upper

95 100

97 65.8 45.1 83.7

132 100.4 67.5 125.3

130 101.2 69.3 128.7

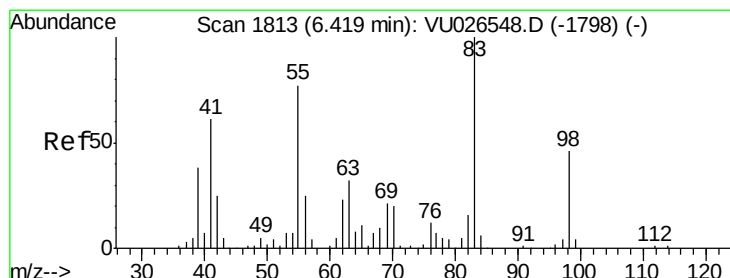
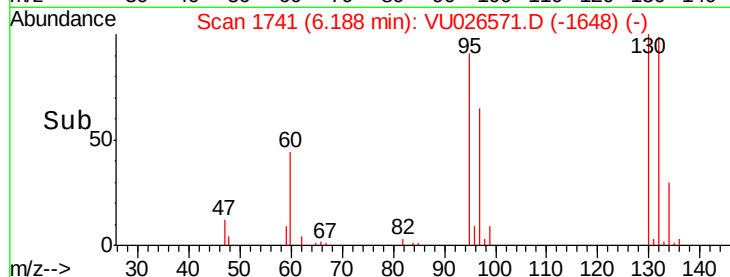
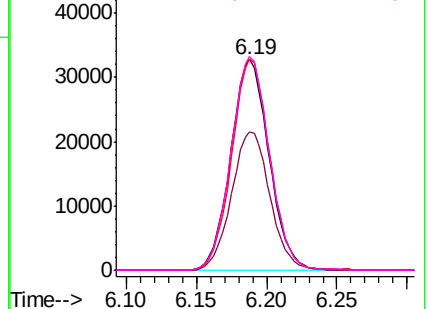


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 53.223 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VU026571.D

Acq: 06 Sep 2018 02:41

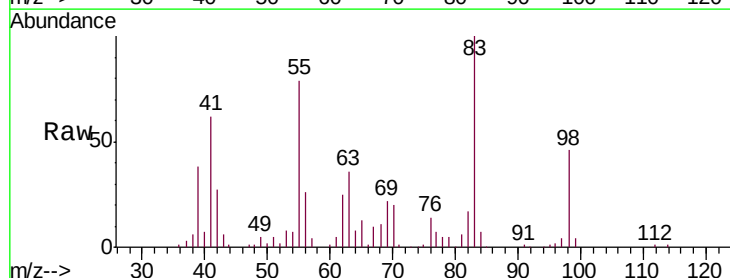
Tgt Ion: 83 Resp: 100674

Ion Ratio Lower Upper

83 100

55 78.7 63.3 94.9

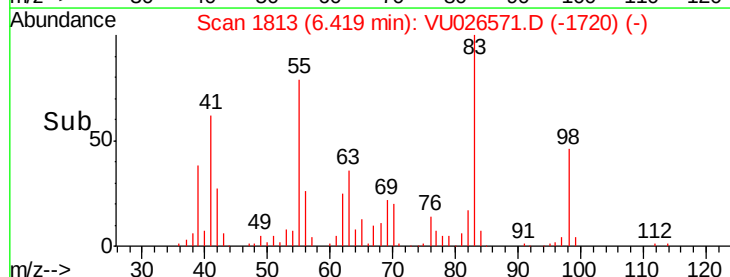
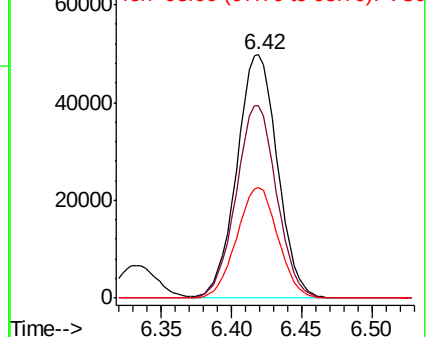
98 46.0 36.7 55.1

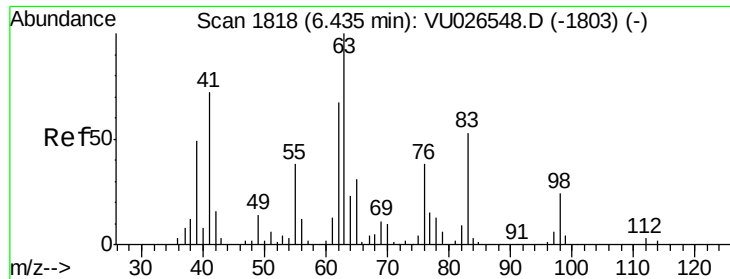


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

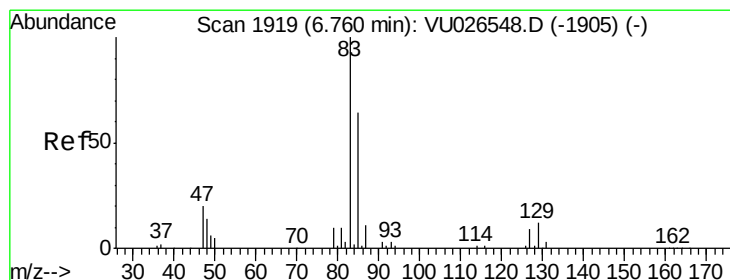
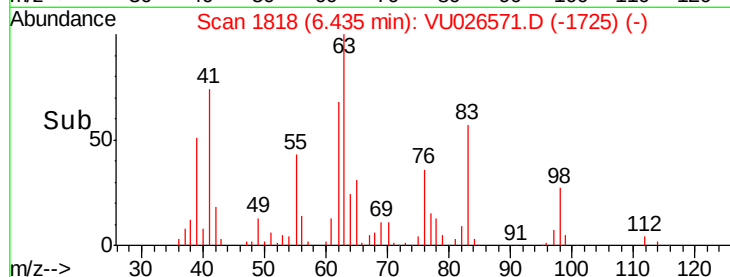
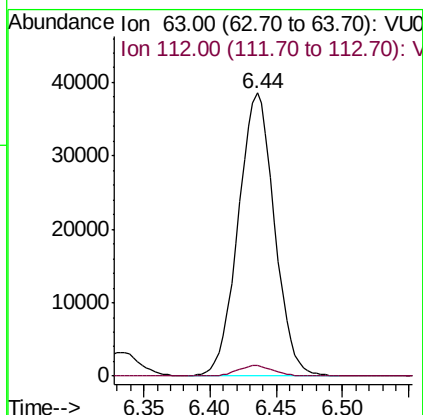
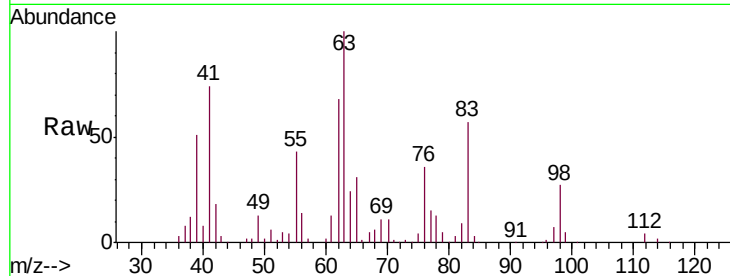




#37
 1,2-Dichloropropane
 Concen: 54.932 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU026571.D
 Acq: 06 Sep 2018 02:41

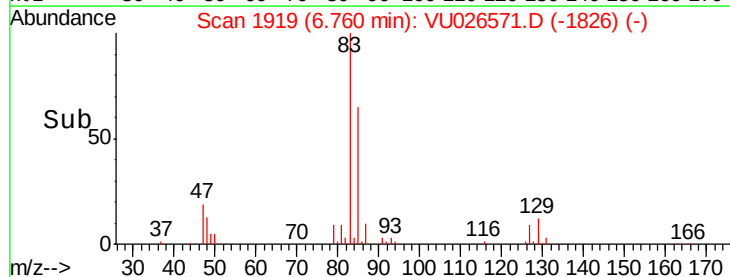
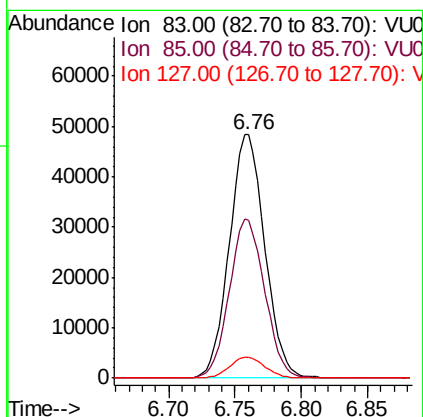
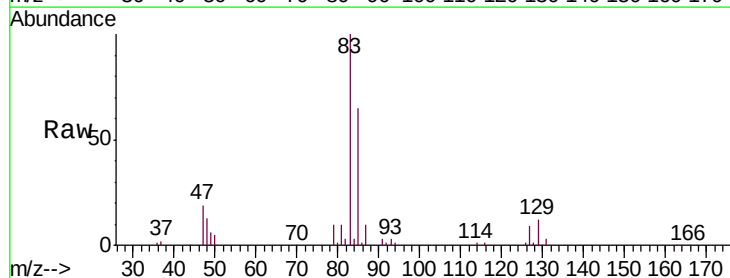
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

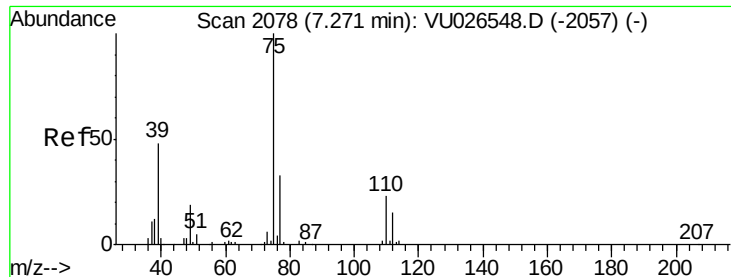
Tgt Ion: 63 Resp: 73443
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.0 4.6



#38
 Bromodichloromethane
 Concen: 52.811 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU026571.D
 Acq: 06 Sep 2018 02:41

Tgt Ion: 83 Resp: 90040
 Ion Ratio Lower Upper
 83 100
 85 64.9 43.9 81.5
 127 8.6 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 50.636 ug/L

RT: 7.27 min Scan# 2078

Delta R.T. -0.00 min

Lab File: VU026571.D

Acq: 06 Sep 2018 02:41

Instrument :

MSVOA_U

ClientSampleId :

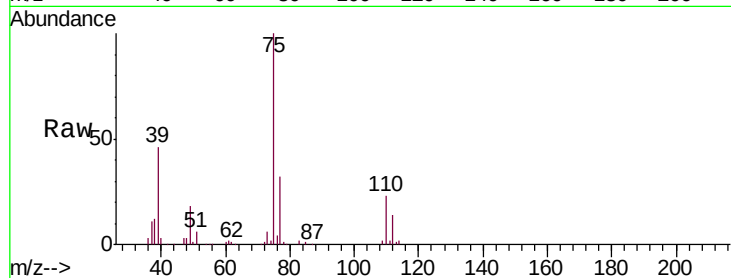
VSTD05059

Tgt Ion: 75 Resp: 96464

Ion Ratio Lower Upper

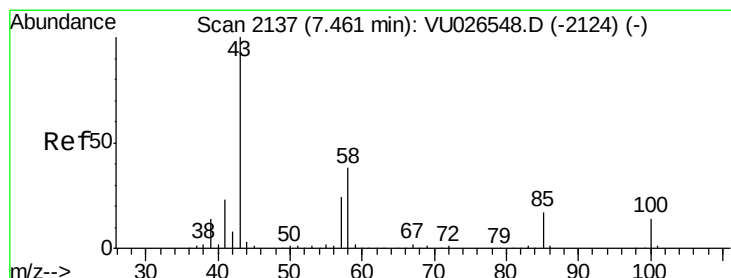
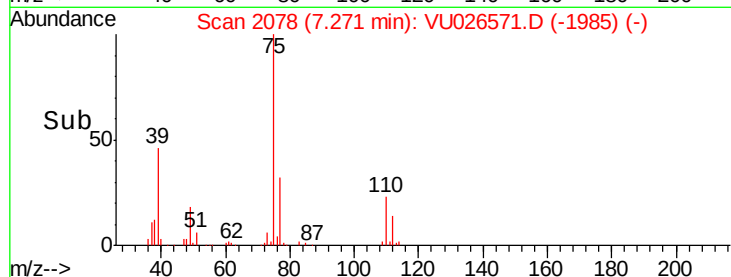
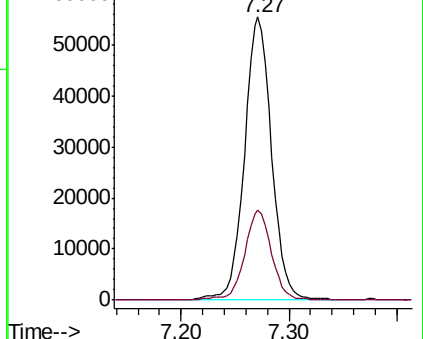
75 100

77 31.8 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#40

4-Methyl-2-pentanone

Concen: 111.272 ug/L

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU026571.D

Acq: 06 Sep 2018 02:41

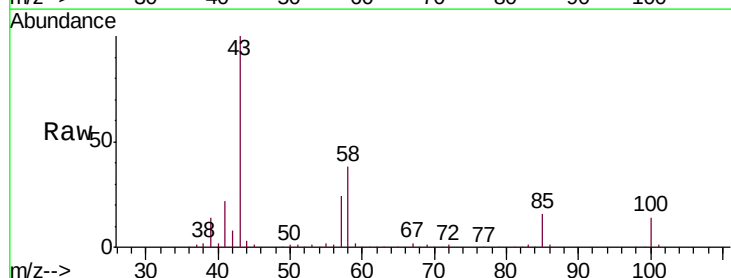
Tgt Ion: 43 Resp: 200633

Ion Ratio Lower Upper

43 100

58 38.2 30.4 45.6

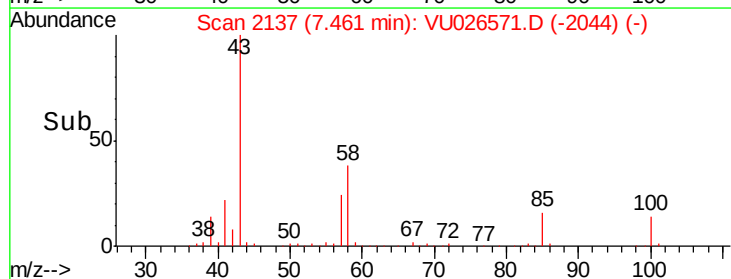
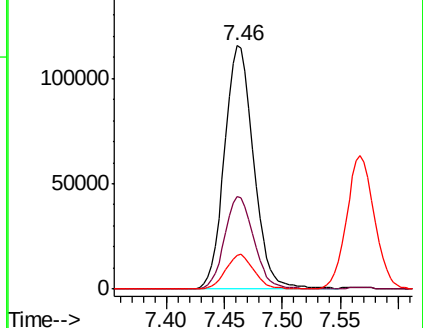
100 13.8 11.0 16.4

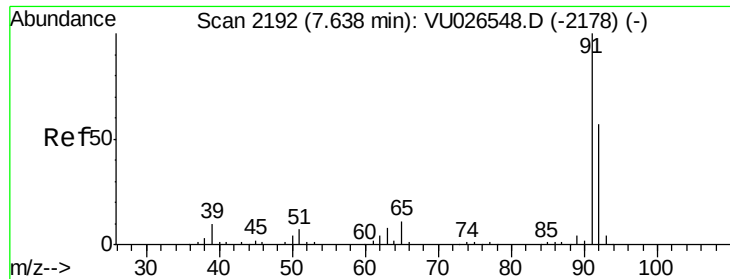


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#42

Toluene

Concen: 54.113 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU026571.D

Acq: 06 Sep 2018 02:41

Instrument :

MSVOA_U

ClientSampleId :

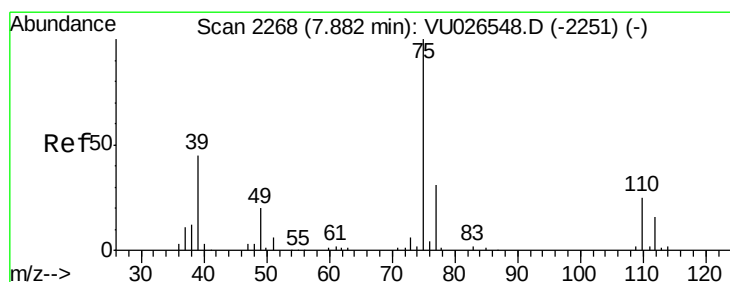
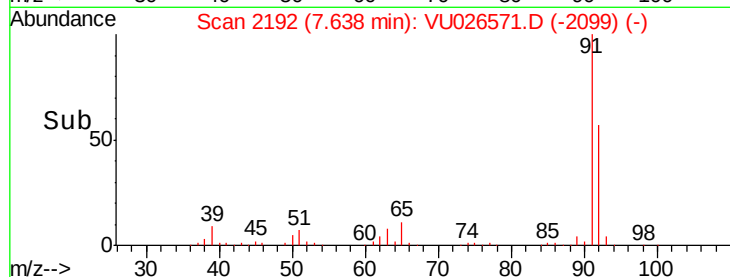
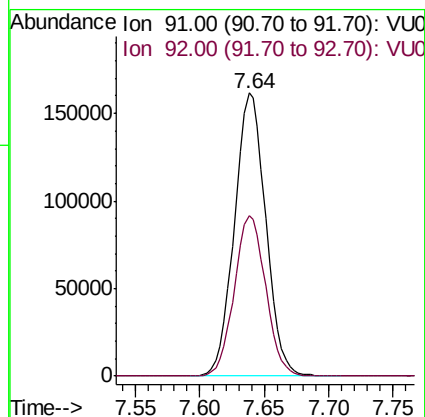
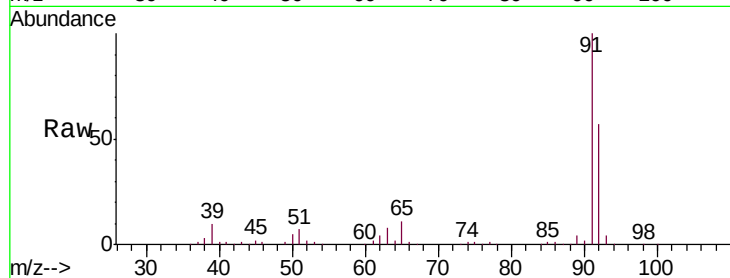
VSTD05059

Tgt Ion: 91 Resp: 272692

Ion Ratio Lower Upper

91 100

92 56.7 38.7 71.9



#44

trans-1,3-Dichloropropene

Concen: 49.542 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU026571.D

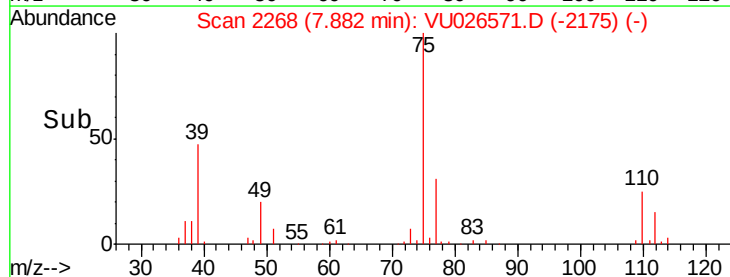
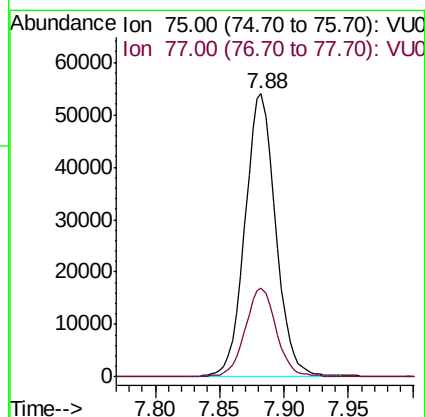
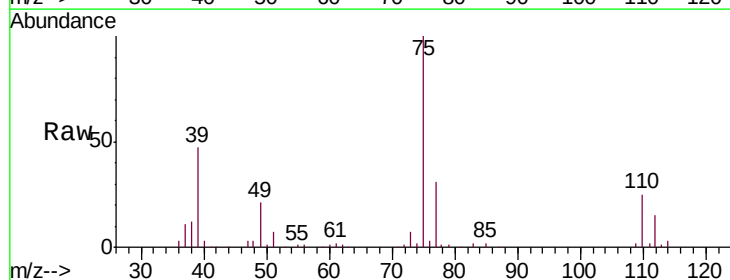
Acq: 06 Sep 2018 02:41

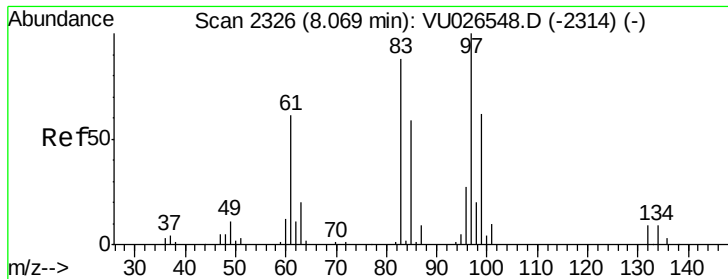
Tgt Ion: 75 Resp: 89957

Ion Ratio Lower Upper

75 100

77 31.3 22.1 41.1

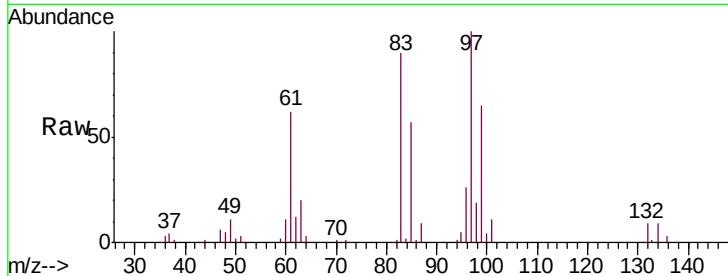




#45
 1,1,2-Trichloroethane
 Concen: 53.137 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU026571.D
 Acq: 06 Sep 2018 02:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

Tgt Ion:	97	Resp:	65082
Ion	Ratio	Lower	Upper
97	100		
99	64.6	43.9	81.5
83	90.2	62.7	116.5
85	57.3	39.4	73.2



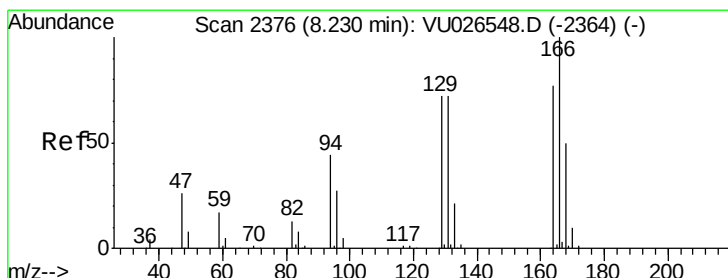
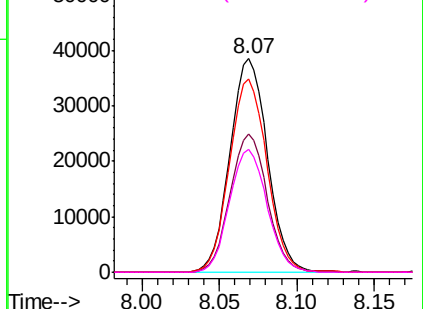
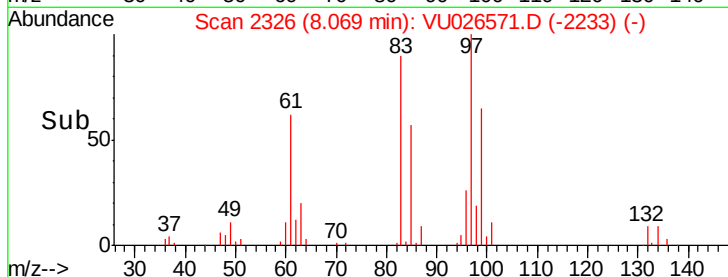
Abundance

Ion 97.00 (96.70 to 97.70): VU026571.D (-2233) (-)

Ion 99.00 (98.70 to 99.70): VU026571.D (-2233) (-)

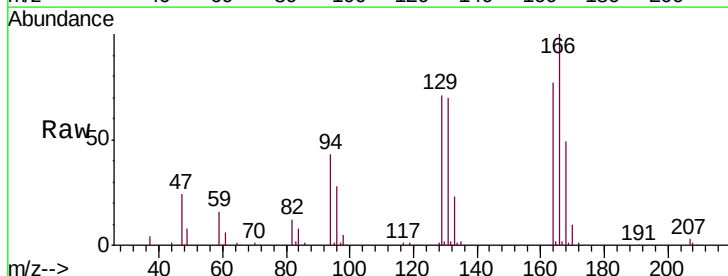
Ion 83.00 (82.70 to 83.70): VU026571.D (-2233) (-)

Ion 85.00 (84.70 to 85.70): VU026571.D (-2233) (-)



#46
 Tetrachloroethene
 Concen: 52.119 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU026571.D
 Acq: 06 Sep 2018 02:41

Tgt Ion:	164	Resp:	51618
Ion	Ratio	Lower	Upper
164	100		
129	93.0	67.3	125.1
131	91.9	65.3	121.3
166	130.4	90.9	168.7



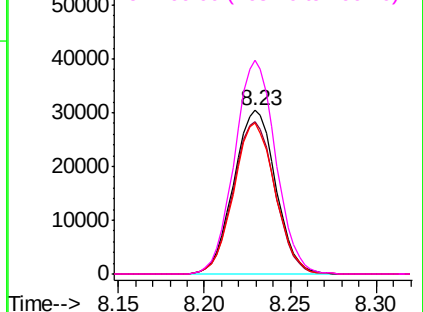
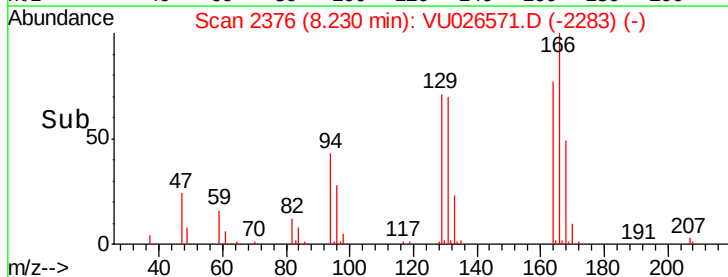
Abundance

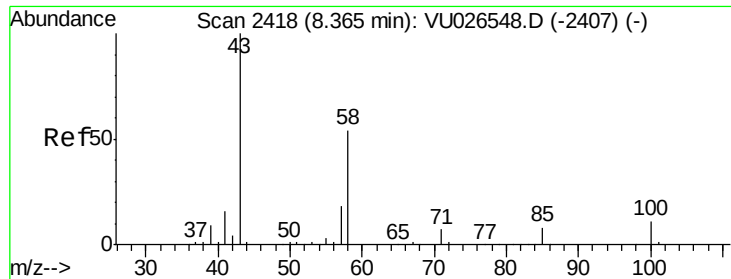
Ion 164.00 (163.70 to 164.70): VU026571.D (-2283) (-)

Ion 129.00 (128.70 to 129.70): VU026571.D (-2283) (-)

Ion 131.00 (130.70 to 131.70): VU026571.D (-2283) (-)

Ion 166.00 (165.70 to 166.70): VU026571.D (-2283) (-)

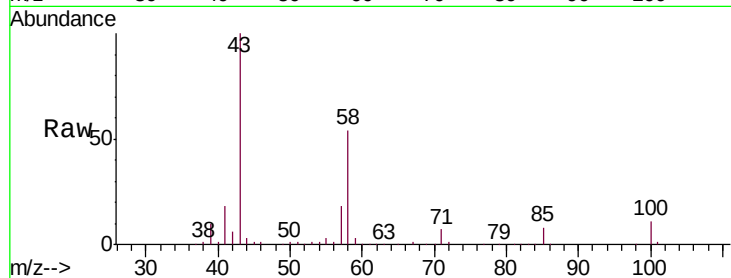




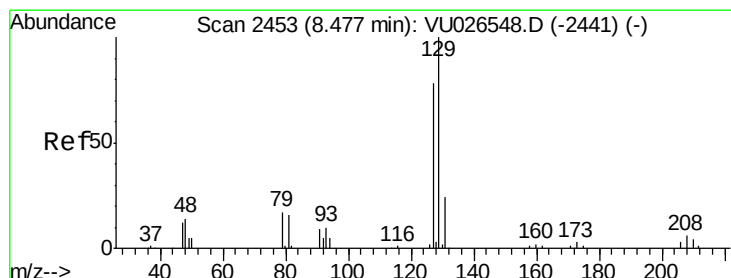
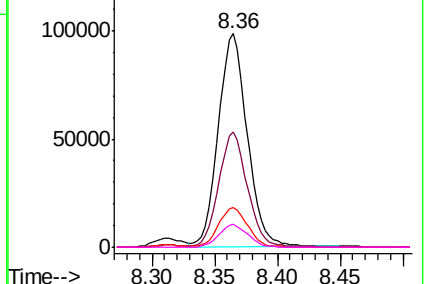
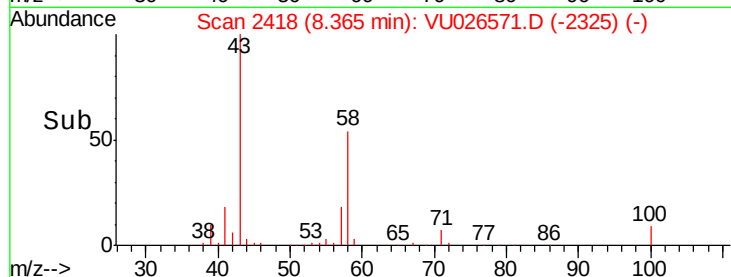
#48
2-Hexanone
Concen: 111.401 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU026571.D
Acq: 06 Sep 2018 02:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

Tgt Ion: 43 Resp: 158198
Ion Ratio Lower Upper
43 100
58 53.4 42.2 63.4
57 18.8 14.6 21.8
100 10.7 8.3 12.5

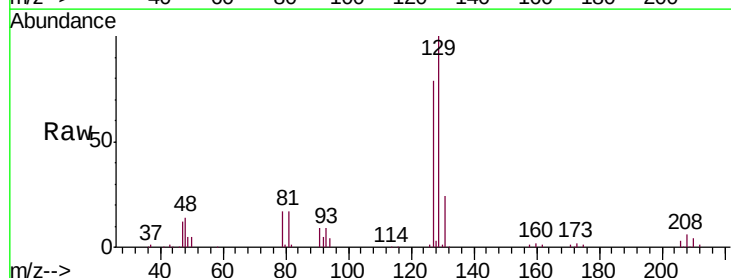


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

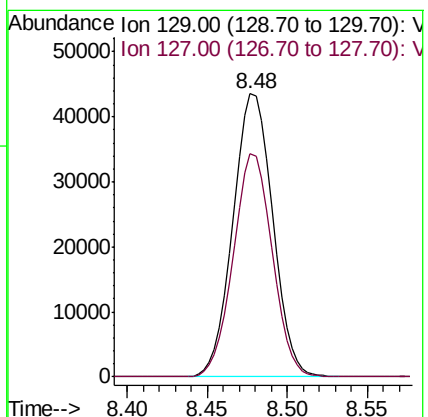
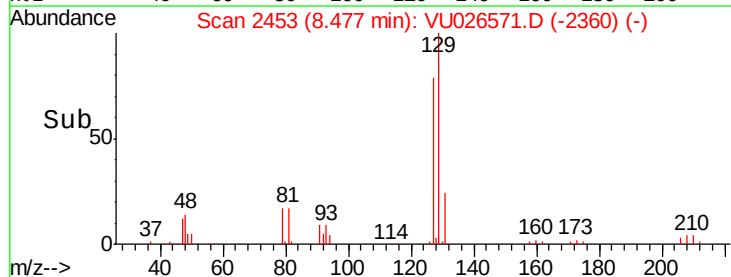


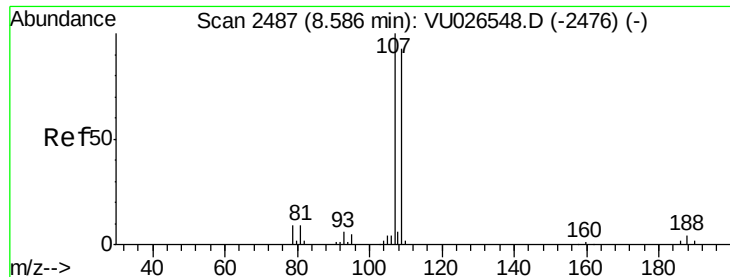
#49
Dibromochloromethane
Concen: 53.528 ug/L
RT: 8.48 min Scan# 2453
Delta R.T. -0.00 min
Lab File: VU026571.D
Acq: 06 Sep 2018 02:41

Tgt Ion: 129 Resp: 73872
Ion Ratio Lower Upper
129 100
127 79.0 55.0 102.2



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

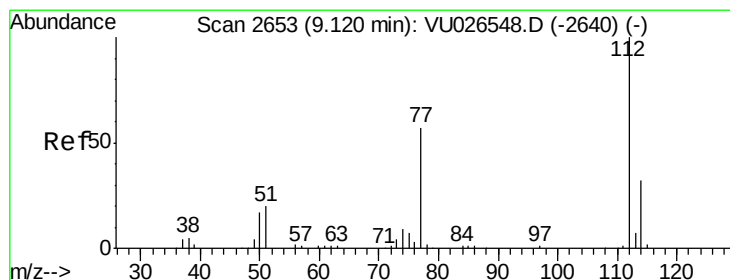
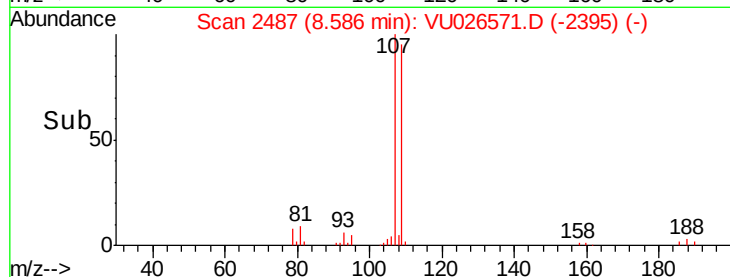
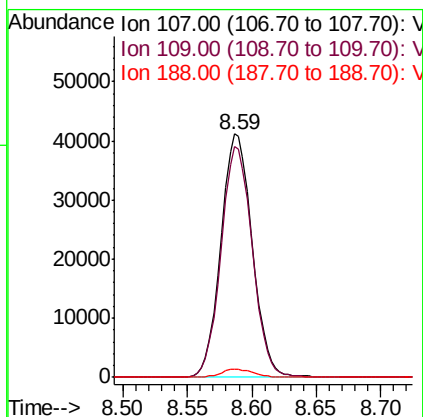
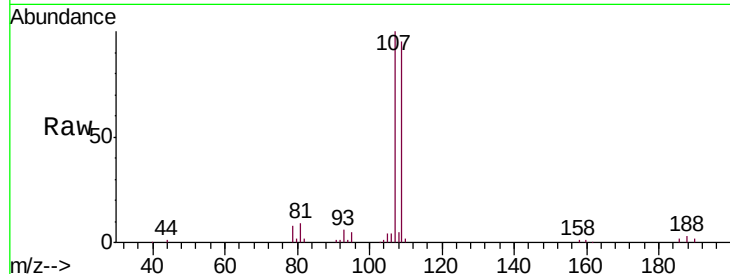




#50
1,2-Dibromoethane
Concen: 53.333 ug/L
RT: 8.59 min Scan# 2487
Delta R.T. -0.00 min
Lab File: VU026571.D
Acq: 06 Sep 2018 02:41

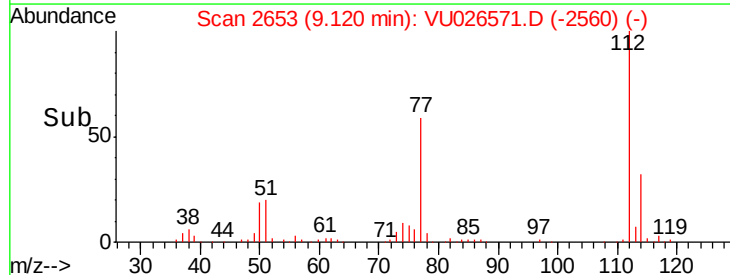
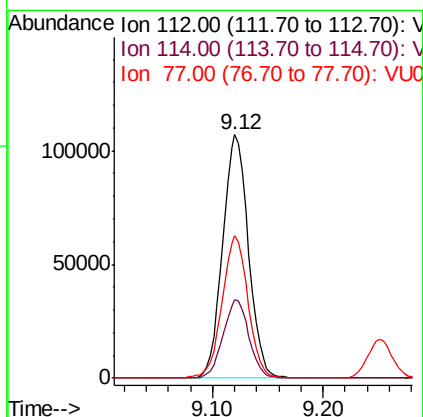
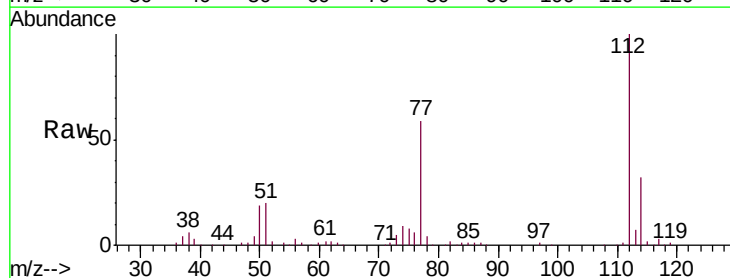
Instrument :
MSVOA_U
ClientSampleId :
VSTD05059

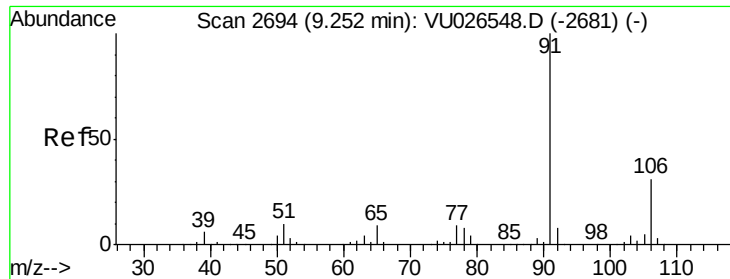
Tgt Ion:107 Resp: 69560
Ion Ratio Lower Upper
107 100
109 94.7 63.4 117.8
188 3.4 3.2 4.8



#51
Chlorobenzene
Concen: 51.402 ug/L
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU026571.D
Acq: 06 Sep 2018 02:41

Tgt Ion:112 Resp: 173219
Ion Ratio Lower Upper
112 100
114 32.2 23.2 43.2
77 58.5 47.3 70.9





#52

Ethylbenzene

Concen: 53.389 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU026571.D

Acq: 06 Sep 2018 02:41

Instrument :

MSVOA_U

ClientSampleId :

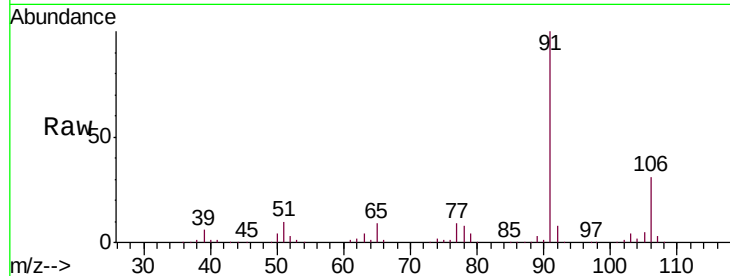
VSTD05059

Tgt Ion: 91 Resp: 292614

Ion Ratio Lower Upper

91 100

106 31.3 21.6 40.2



Abundance Ion 91.00 (90.70 to 91.70): VU026548.D (-2681) (-)

Ion 106.00 (105.70 to 106.70): VU026548.D (-2681) (-)

9.25

200000

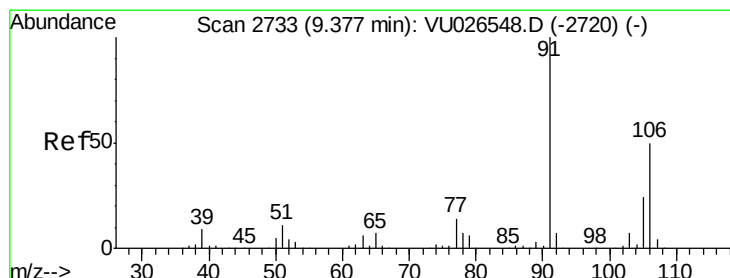
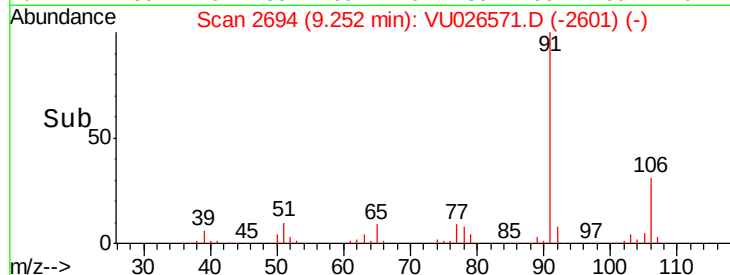
150000

100000

50000

0

Time-->



#53

m,p-Xylene

Concen: 53.323 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU026571.D

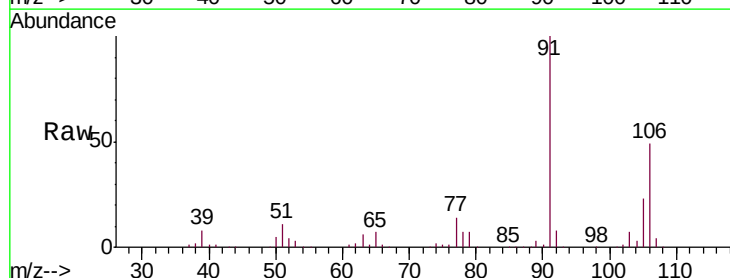
Acq: 06 Sep 2018 02:41

Tgt Ion: 106 Resp: 109124

Ion Ratio Lower Upper

106 100

91 204.0 143.0 265.6



Abundance Ion 106.00 (105.70 to 106.70): VU026548.D (-2720) (-)

Ion 91.00 (90.70 to 91.70): VU026548.D (-2720) (-)

9.38

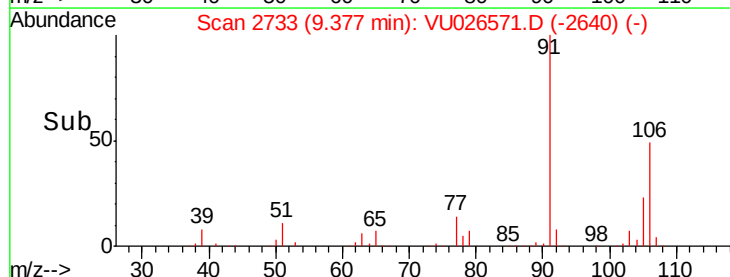
150000

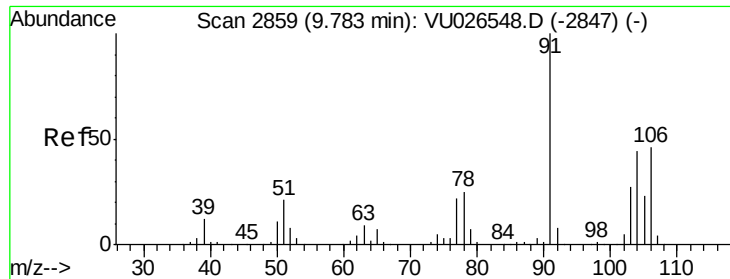
100000

50000

0

Time-->





#54

o-xylene

Concen: 55.194 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU026571.D

Acq: 06 Sep 2018 02:41

Instrument :

MSVOA_U

ClientSampleId :

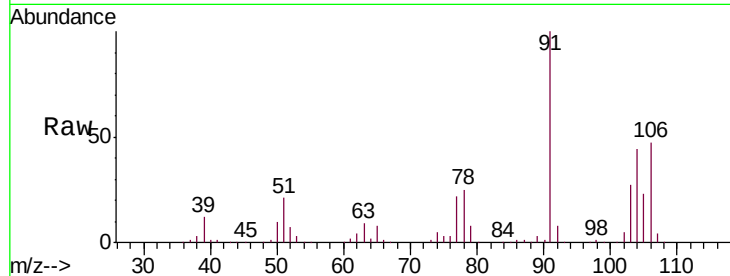
VSTD05059

Tgt Ion:106 Resp: 110150

Ion Ratio Lower Upper

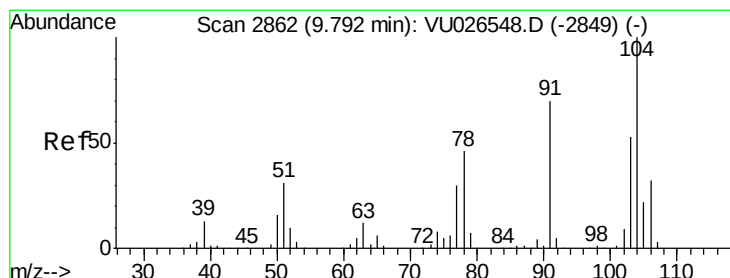
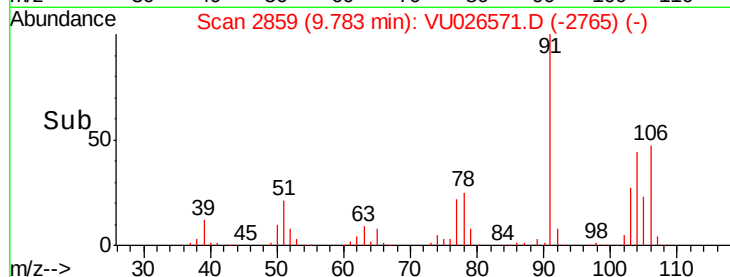
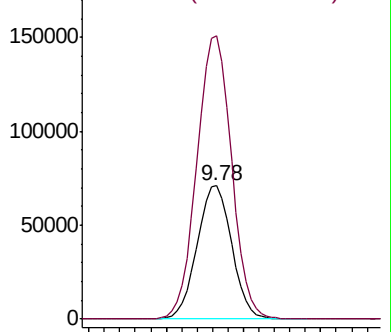
106 100

91 212.3 153.3 284.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 54.665 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU026571.D

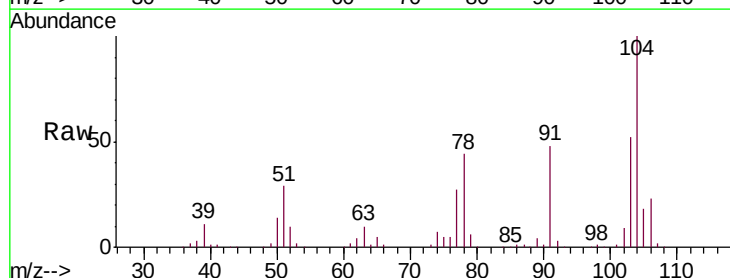
Acq: 06 Sep 2018 02:41

Tgt Ion:104 Resp: 190580

Ion Ratio Lower Upper

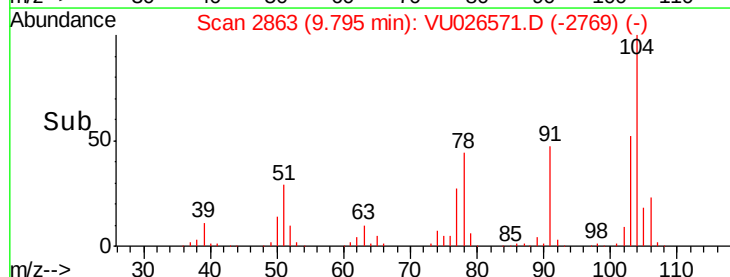
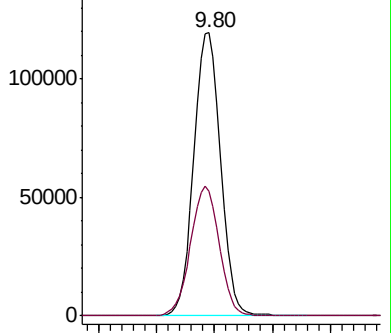
104 100

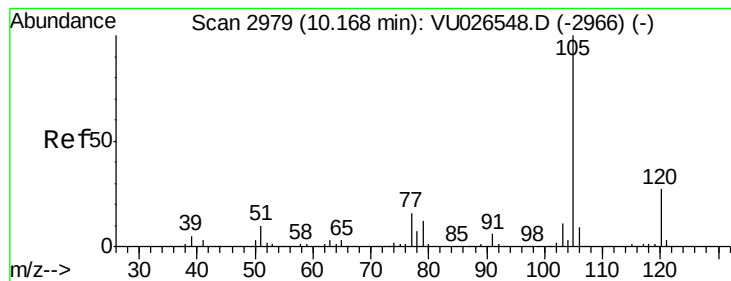
78 44.0 31.1 57.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 53.850 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU026571.D

Acq: 06 Sep 2018 02:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD05059

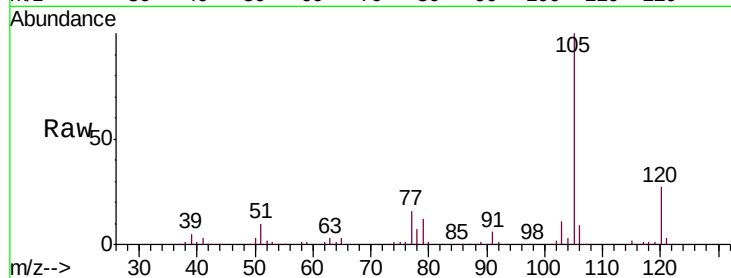
Tgt Ion: 105 Resp: 281318

Ion Ratio Lower Upper

105 100

120 26.8 21.5 32.3

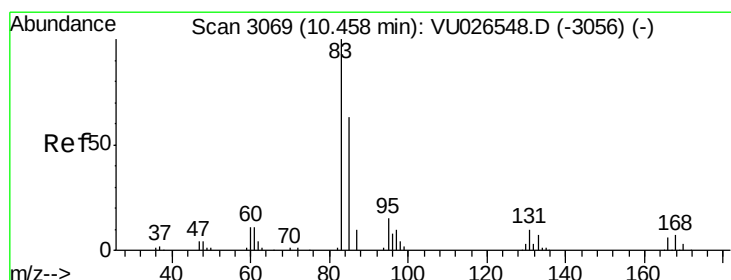
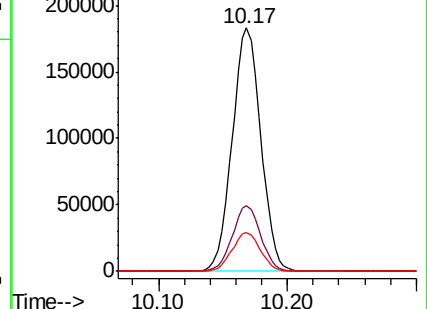
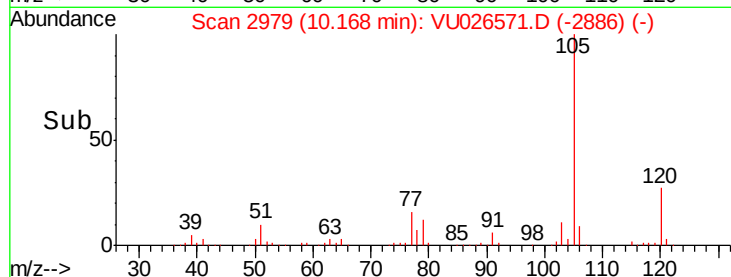
77 15.9 12.9 19.3



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: 52.748 ug/L

RT: 10.46 min Scan# 3069

Delta R.T. -0.00 min

Lab File: VU026571.D

Acq: 06 Sep 2018 02:41

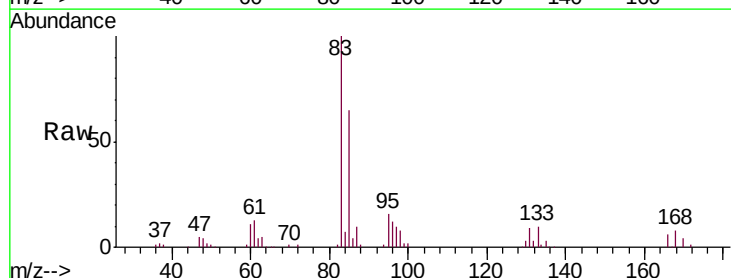
Tgt Ion: 83 Resp: 113802

Ion Ratio Lower Upper

83 100

85 65.0 44.3 82.3

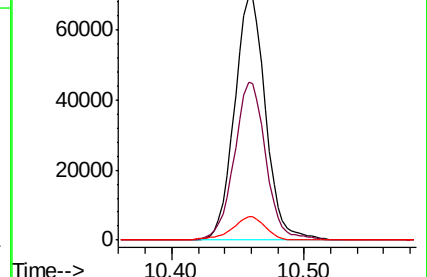
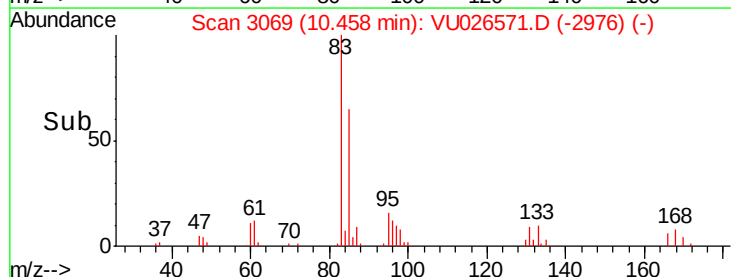
131 9.5 7.8 11.8

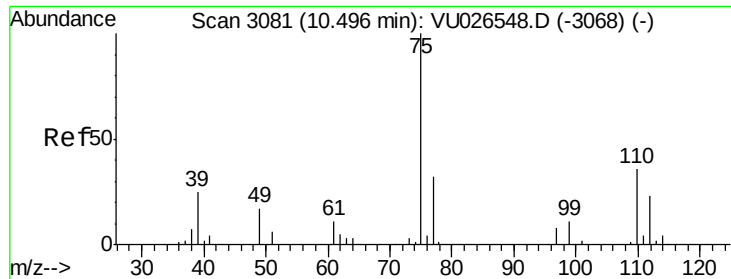


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

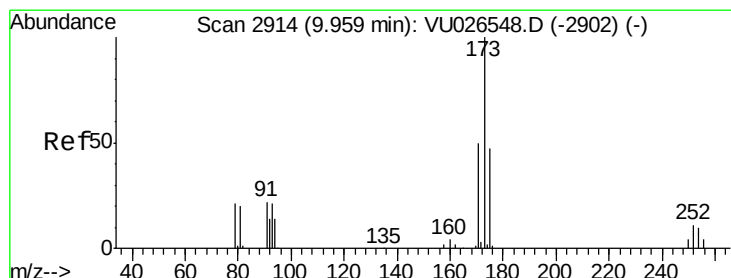
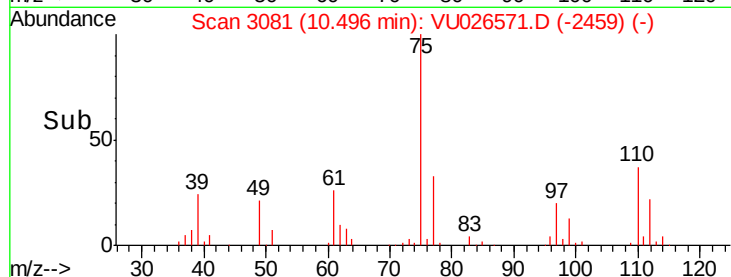
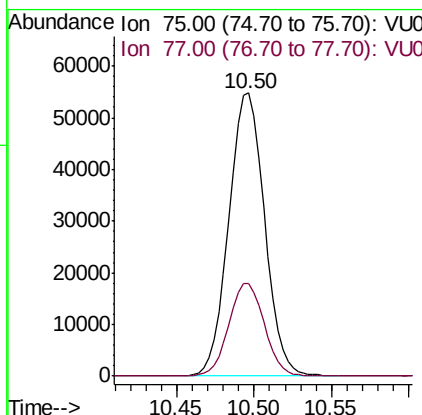
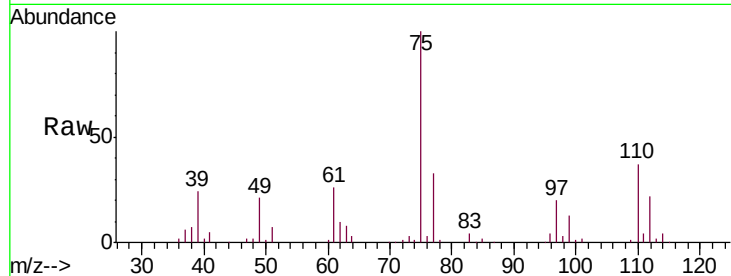




#59
 1,2,3-Trichloropropane
 Concen: 52.680 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU026571.D
 Acq: 06 Sep 2018 02:41

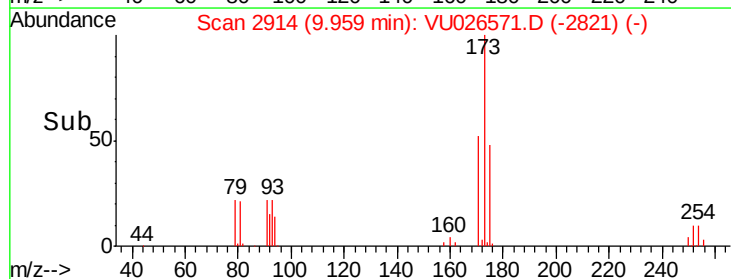
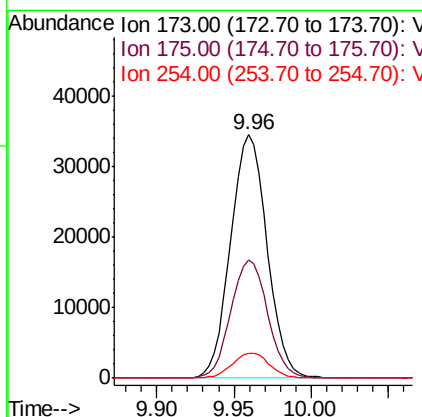
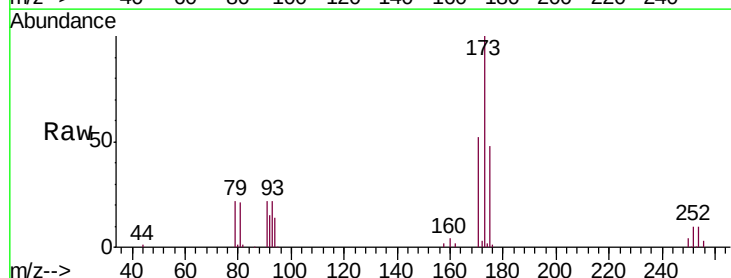
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

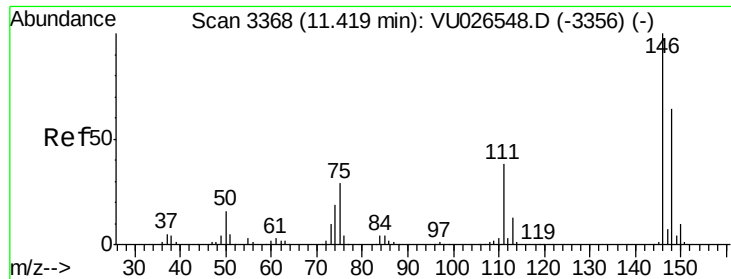
Tgt Ion: 75 Resp: 87885
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.0 37.6



#61
 Bromoform
 Concen: 54.944 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. -0.00 min
 Lab File: VU026571.D
 Acq: 06 Sep 2018 02:41

Tgt Ion: 173 Resp: 56497
 Ion Ratio Lower Upper
 173 100
 175 48.9 38.5 57.7
 254 10.5 8.1 12.1

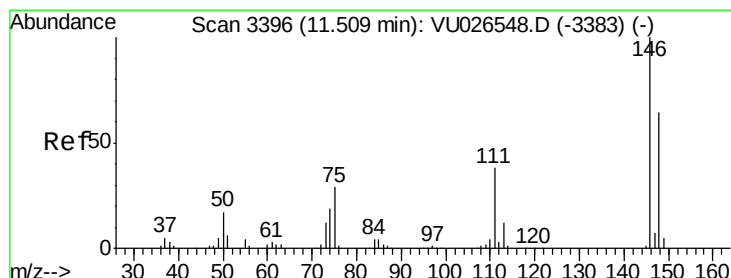
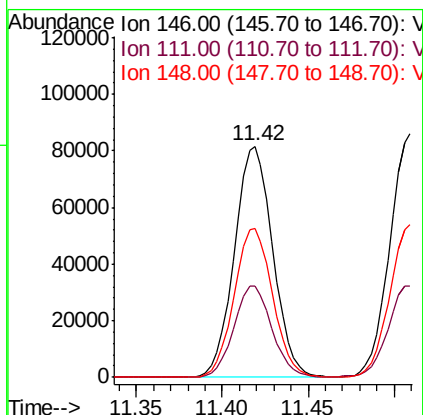
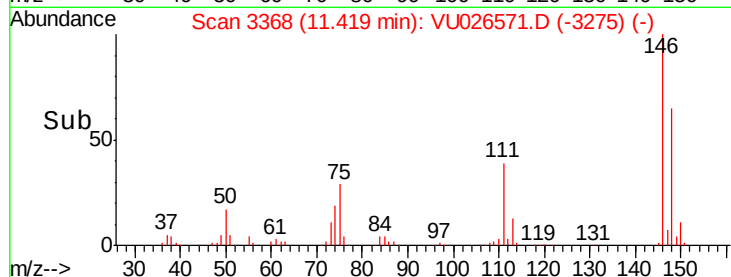
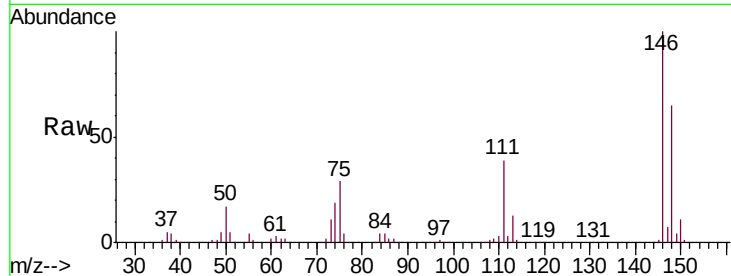




#62
 1,3-Dichlorobenzene
 Concen: 52.111 ug/L
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU026571.D
 Acq: 06 Sep 2018 02:41

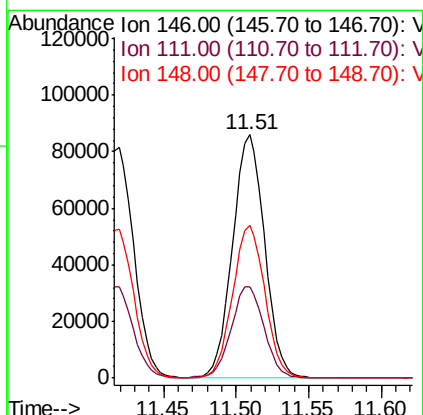
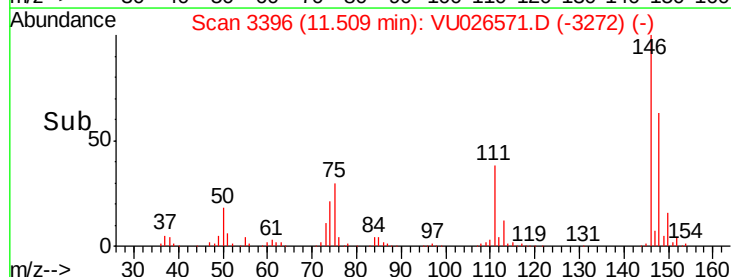
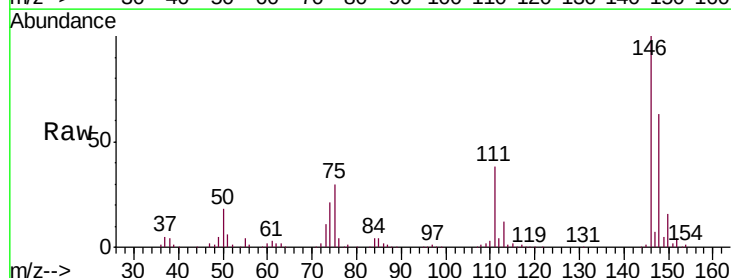
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

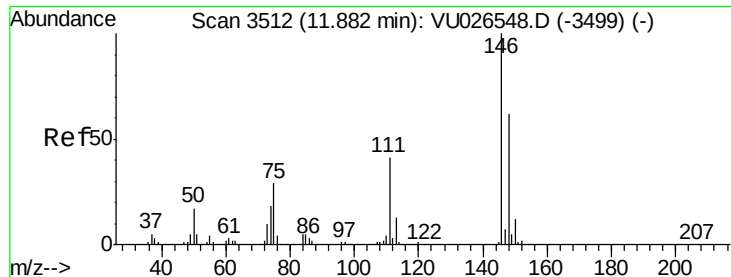
Tgt Ion:146 Resp: 127044
 Ion Ratio Lower Upper
 146 100
 111 39.4 27.5 51.1
 148 64.6 44.9 83.3



#63
 1,4-Dichlorobenzene
 Concen: 51.068 ug/L
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU026571.D
 Acq: 06 Sep 2018 02:41

Tgt Ion:146 Resp: 131683
 Ion Ratio Lower Upper
 146 100
 111 37.8 26.2 48.6
 148 62.6 44.9 83.5

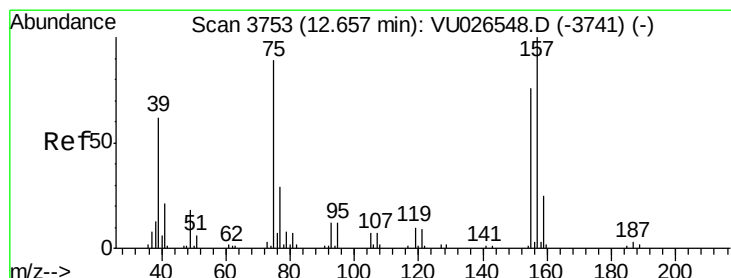
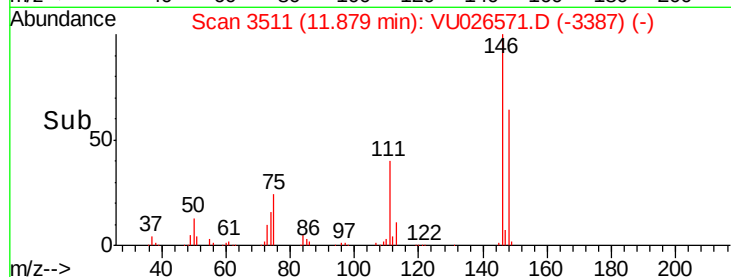
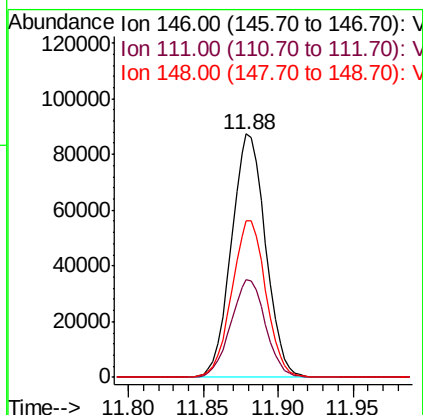
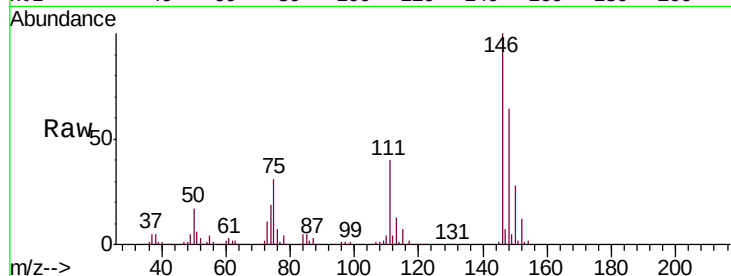




#65
 1,2-Dichlorobenzene
 Concen: 53.962 ug/L
 RT: 11.88 min Scan# 3511
 Delta R.T. -0.00 min
 Lab File: VU026571.D
 Acq: 06 Sep 2018 02:41

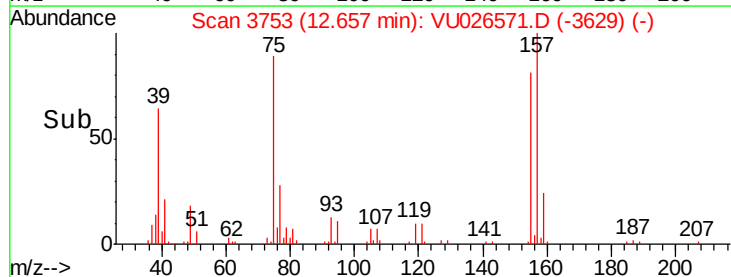
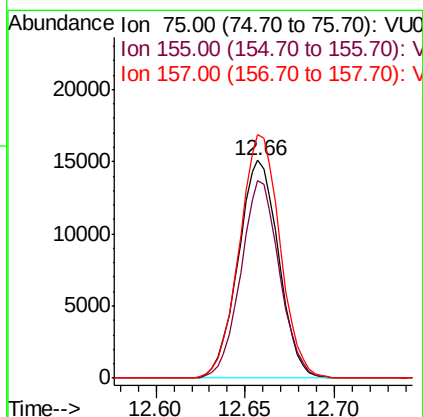
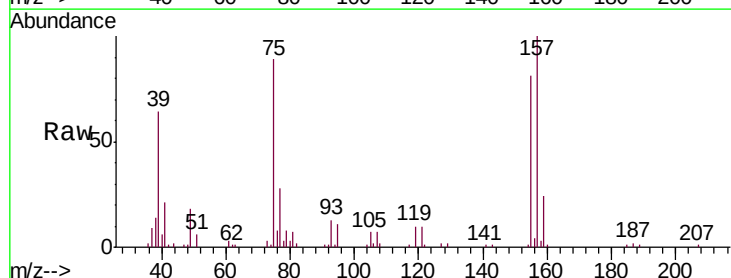
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

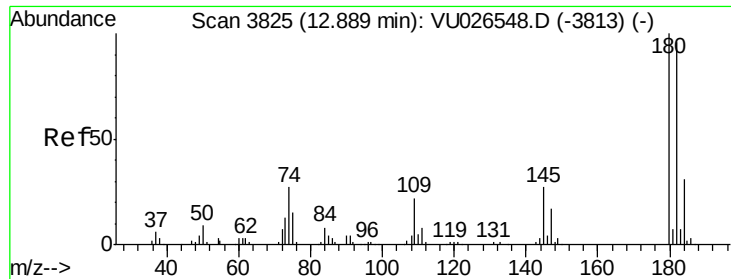
Tgt Ion: 146 Resp: 138758
 Ion Ratio Lower Upper
 146 100
 111 40.2 32.0 48.0
 148 64.1 50.2 75.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 54.984 ug/L
 RT: 12.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VU026571.D
 Acq: 06 Sep 2018 02:41

Tgt Ion: 75 Resp: 23774
 Ion Ratio Lower Upper
 75 100
 155 90.7 69.8 104.8
 157 111.9 89.8 134.8

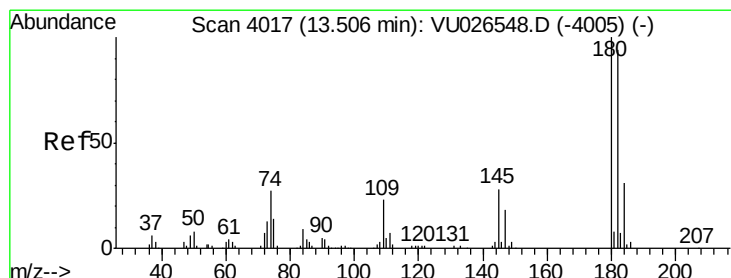
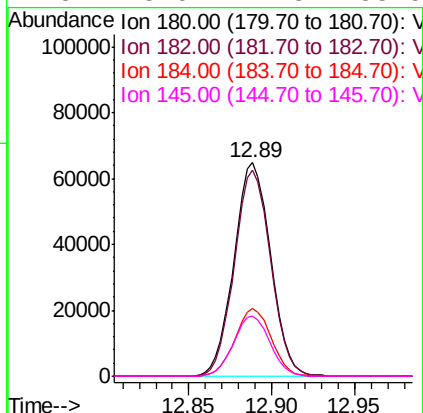
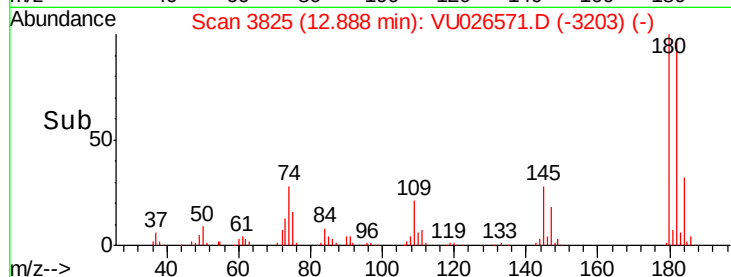
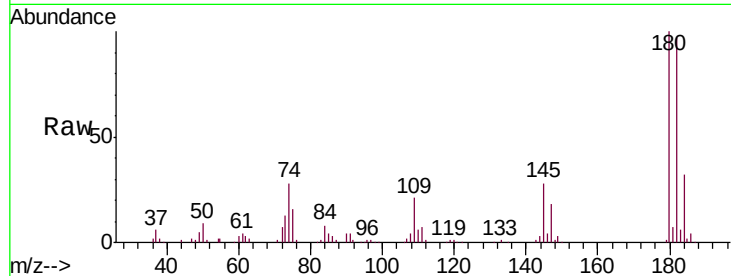




#67
 1,3,5-Trichlorobenzene
 Concen: 50.808 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. -0.00 min
 Lab File: VU026571.D
 Acq: 06 Sep 2018 02:41

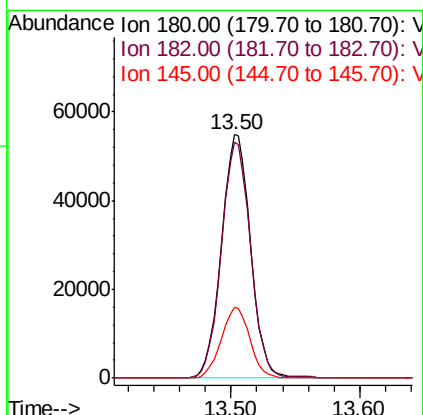
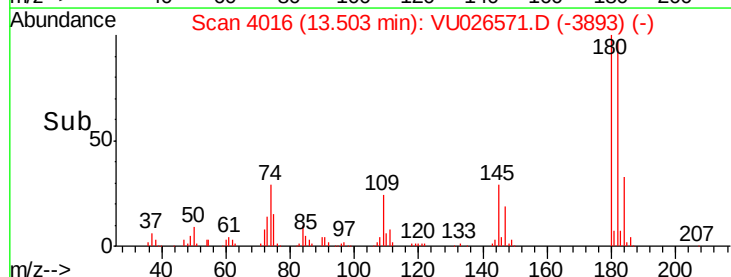
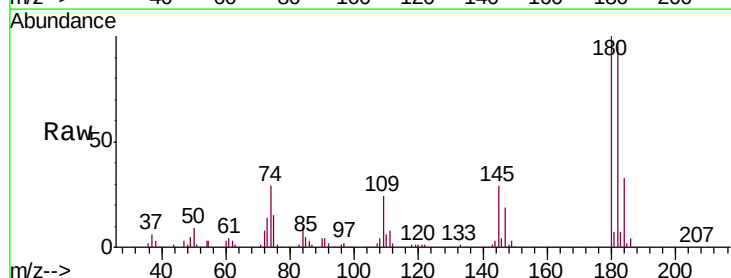
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

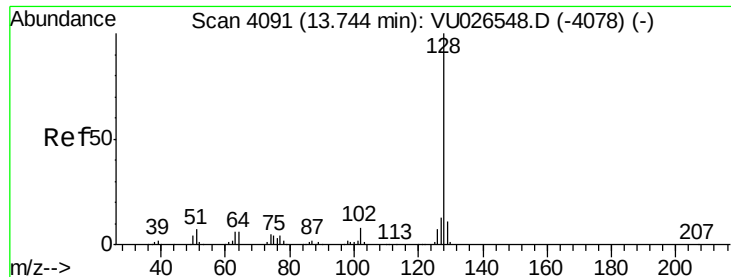
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.5	114.7
184	31.3	25.0	37.4
145	28.0	22.3	33.5



#68
 1,2,4-trichlorobenzene
 Concen: 49.910 ug/L
 RT: 13.50 min Scan# 4016
 Delta R.T. -0.00 min
 Lab File: VU026571.D
 Acq: 06 Sep 2018 02:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.4	76.6	114.8
145	28.4	22.4	33.6





#69

Naphthalene

Concen: 56.181 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. -0.00 min

Lab File: VU026571.D

Acq: 06 Sep 2018 02:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD05059

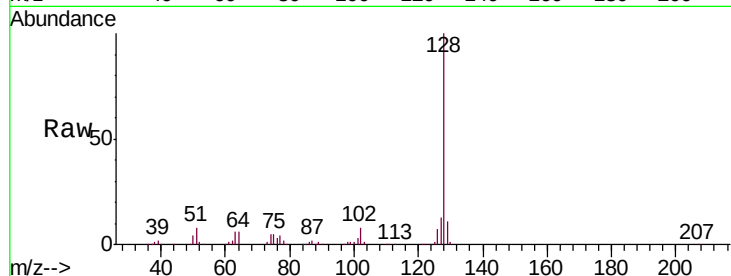
Tgt Ion:128 Resp: 301434

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

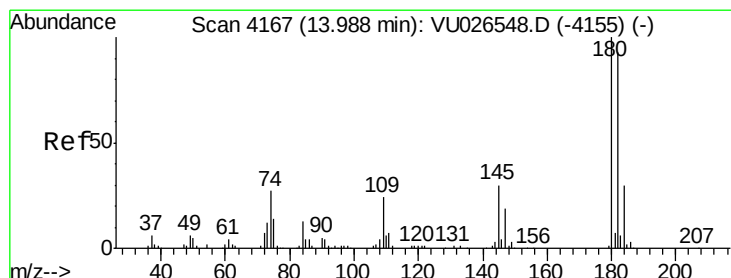
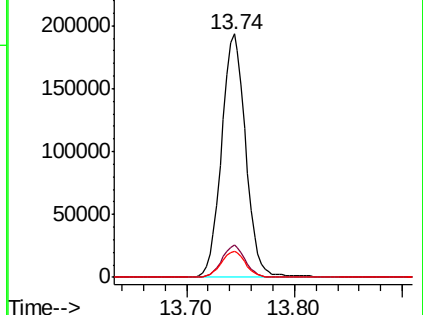
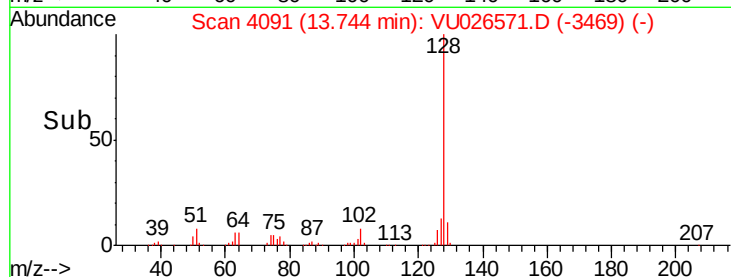
129 10.8 8.5 12.7



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: 51.728 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU026571.D

Acq: 06 Sep 2018 02:41

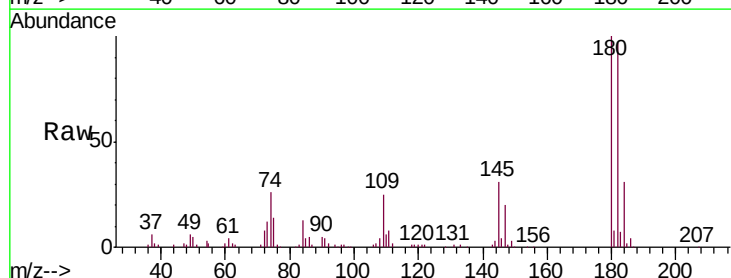
Tgt Ion:180 Resp: 97604

Ion Ratio Lower Upper

180 100

182 97.4 76.5 114.7

145 30.3 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

