

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082518\
 Data File : VU026385.D
 Acq On : 25 Aug 2018 20:40
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

Quant Time: Aug 27 01:33:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 25 04:25:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	337511	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	330349	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	180754	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	103910	50.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.96%
7) Chloroethane-d5	1.68	69	84017	50.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.10%
11) 1,1-Dichloroethene-d2	2.27	63	196769	48.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.26%
21) 2-Butanone-d5	4.18	46	149479	90.98	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.98%
24) Chloroform-d	4.65	84	223367	48.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.36%
26) 1,2-Dichloroethane-d4	5.31	65	141616	47.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.86%
32) Benzene-d6	5.35	84	427718	48.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.80%
36) 1,2-Dichloropropane-d6	6.33	67	134596	47.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.86%
41) Toluene-d8	7.57	98	412617	48.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.70%
43) trans-1,3-Dichloropropene-	7.85	79	66450	45.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.64%
47) 2-Hexanone-d5	8.31	63	118138	97.41	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.41%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	193529	46.08	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.16%
64) 1,2-Dichlorobenzene-d4	11.86	152	173202	45.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.32%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	116922	44.12	ug/L	99
3) Chloromethane	1.33	50	111272	45.54	ug/L	98
5) Vinyl chloride	1.40	62	113318	46.03	ug/L	98
6) Bromomethane	1.63	94	61983	40.49	ug/L	98
8) Chloroethane	1.70	64	66017	46.76	ug/L	99
9) Trichlorofluoromethane	1.89	101	163890	47.00	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	90500	46.78	ug/L	98
12) 1,1-Dichloroethene	2.28	96	83443	46.97	ug/L	99
13) Acetone	2.32	43	93245	73.33	ug/L	99
14) Carbon disulfide	2.48	76	291619	42.79	ug/L	100
15) Methyl Acetate	2.62	43	109976	44.94	ug/L	100
16) Methylene chloride	2.70	84	110101	46.06	ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	97862	44.69	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	298999	45.58	ug/L	100
19) 1,1-Dichloroethane	3.45	63	184541	46.28	ug/L	96
20) cis-1,2-Dichloroethene	4.23	96	115118	47.63	ug/L	94
22) 2-Butanone	4.27	43	144844	85.14	ug/L	99

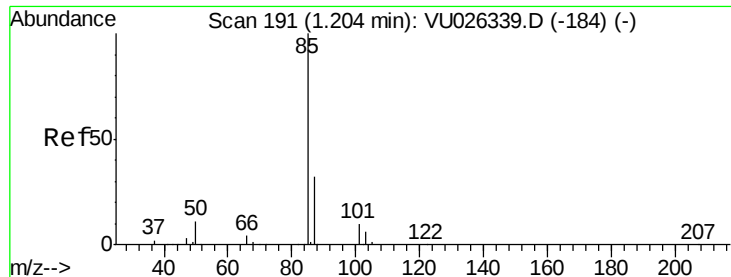
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 QLast Update : Sat Aug 25 04:25:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	61265	47.40	ug/L	96
25) Chloroform	4.68	83	198547	46.64	ug/L	96
27) 1,2-Dichloroethane	5.41	62	157549	46.46	ug/L	100
29) Cyclohexane	5.00	56	143948	42.49	ug/L	97
30) 1,1,1-Trichloroethane	4.92	97	180248	46.96	ug/L	98
31) Carbon tetrachloride	5.14	117	165009	45.73	ug/L	100
33) Benzene	5.39	78	416888	46.29	ug/L	100
34) Trichloroethene	6.19	95	109097	45.81	ug/L	99
35) Methylcyclohexane	6.42	83	162896	44.73	ug/L	98
37) 1,2-Dichloropropane	6.44	63	112490	45.70	ug/L	98
38) Bromodichloromethane	6.76	83	151888	46.15	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	165591	44.29	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	270354	86.67	ug/L	99
42) Toluene	7.64	91	451463	47.11	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	160617	44.65	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	109053	46.90	ug/L	99
46) Tetrachloroethene	8.23	164	93234	45.50	ug/L	98
48) 2-Hexanone	8.36	43	214670	85.51	ug/L	97
49) Dibromochloromethane	8.48	129	131528	46.03	ug/L	99
50) 1,2-Dibromoethane	8.59	107	119148	46.43	ug/L	99
51) Chlorobenzene	9.12	112	297709	45.42	ug/L	98
52) Ethylbenzene	9.25	91	483257	46.30	ug/L	100
53) m,p-Xylene	9.38	106	189407	46.95	ug/L	95
54) o-xylene	9.78	106	184095	46.78	ug/L	99
55) Styrene	9.80	104	324899	48.37	ug/L	98
56) Isopropylbenzene	10.17	105	478395	46.86	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	179790	45.69	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	137882	44.94	ug/L	98
61) Bromoform	9.96	173	100484	44.88	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	234327	43.98	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	248582	44.15	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	253155	45.17	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	38979	41.63	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	187478	44.82	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	164231	44.98	ug/L	100
69) Naphthalene	13.74	128	500974	46.06	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	181439	46.64	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 44.12 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU026385.D

Acq: 25 Aug 2018 20:40

Instrument :

MSVOA_U

ClientSampleId :

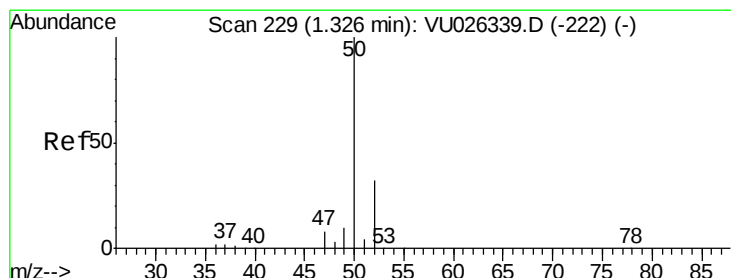
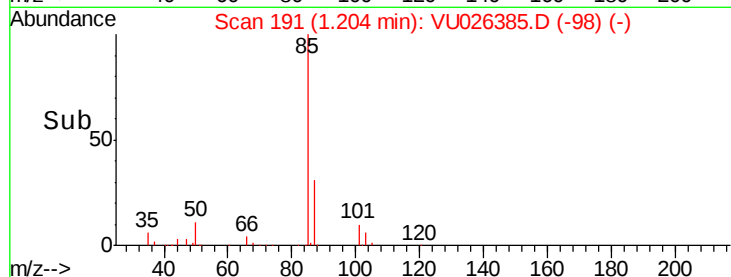
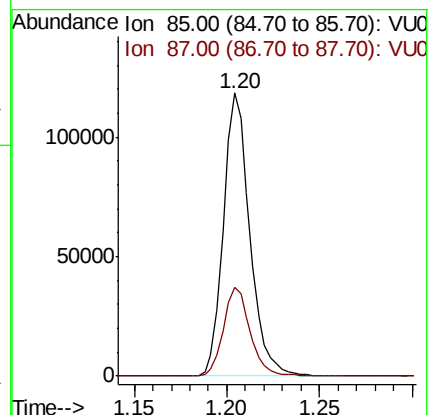
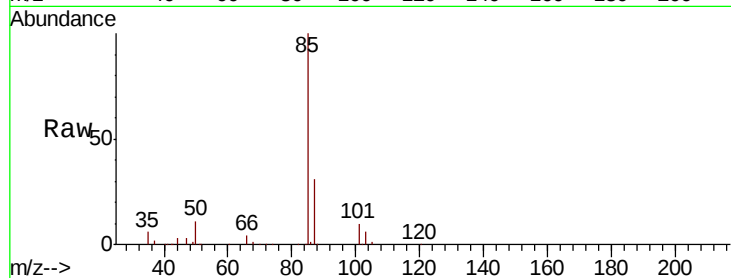
VSTD05056

Tot Ion: 85 Resp: 116922

Ion Ratio Lower Upper

85 100

87 31.6 25.9 38.9



#3

Chloromethane

Concen: 45.54 ug/L

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU026385.D

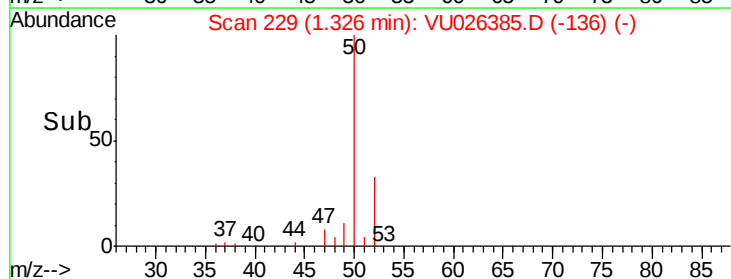
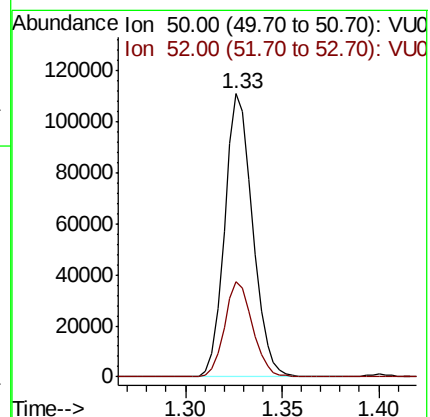
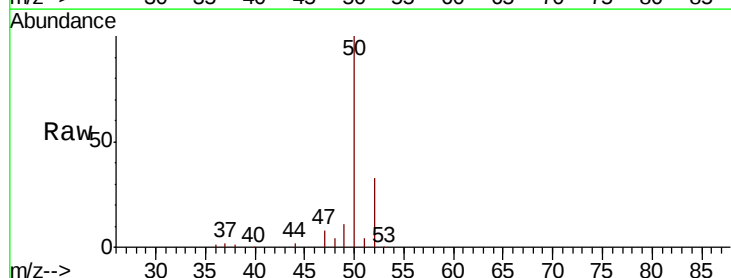
Acq: 25 Aug 2018 20:40

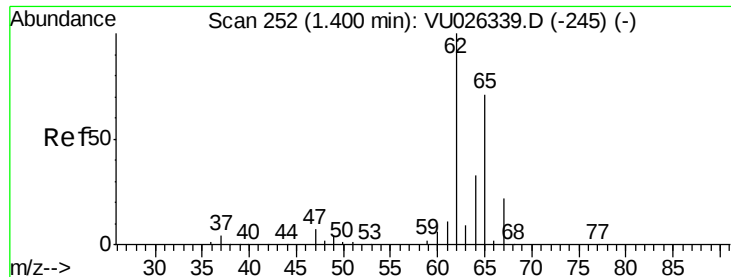
Tgt Ion: 50 Resp: 111272

Ion Ratio Lower Upper

50 100

52 33.5 22.6 42.0





#5

Vinyl chloride

Concen: 46.03 ug/L

RT: 1.40 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU026385.D

Acq: 25 Aug 2018 20:40

Instrument :

MSVOA_U

ClientSampleId :

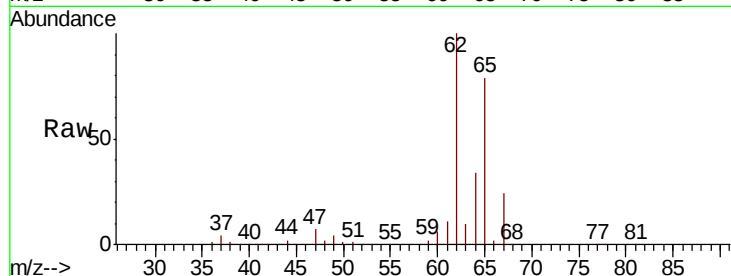
VSTD05056

Tot Ion: 62 Resp: 113318

Ion Ratio Lower Upper

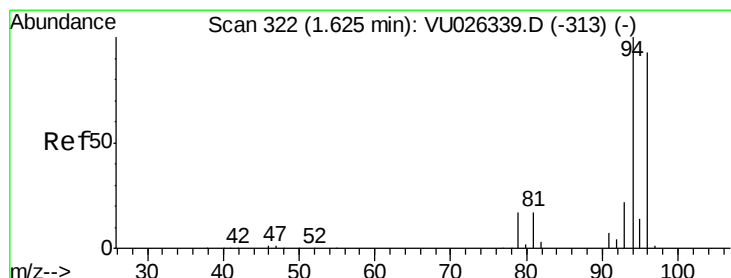
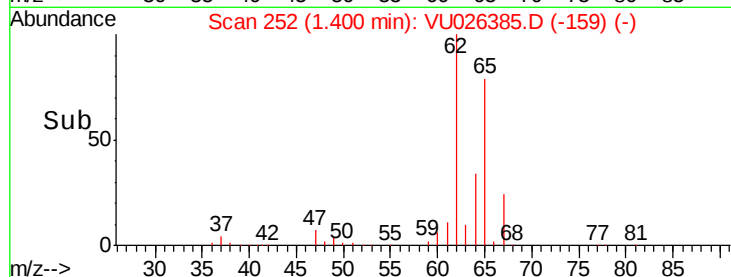
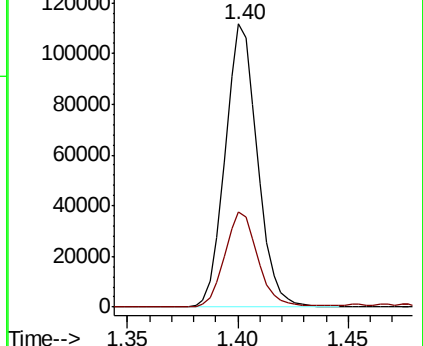
62 100

64 33.5 24.2 45.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 40.49 ug/L

RT: 1.63 min Scan# 322

Delta R.T. -0.00 min

Lab File: VU026385.D

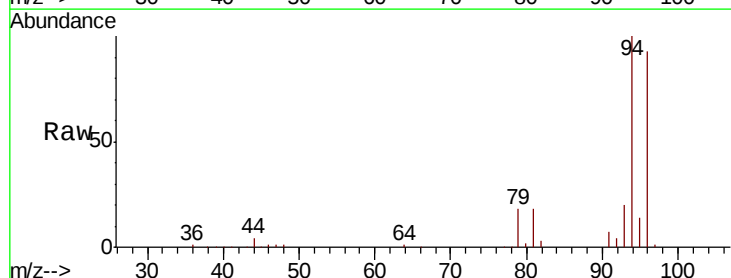
Acq: 25 Aug 2018 20:40

Tgt Ion: 94 Resp: 61983

Ion Ratio Lower Upper

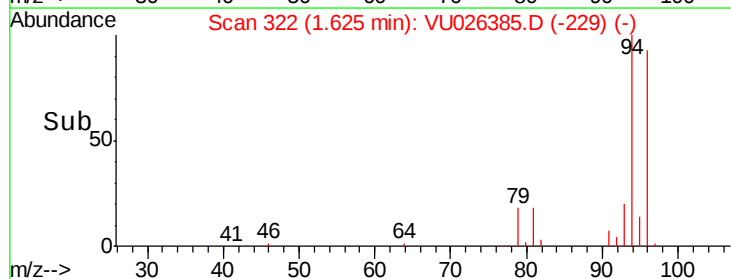
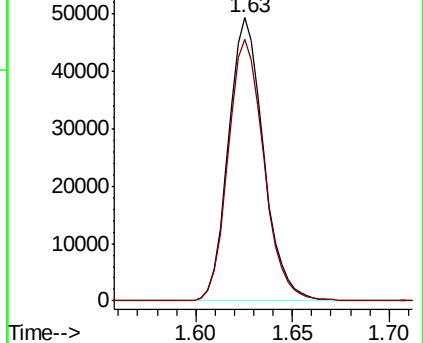
94 100

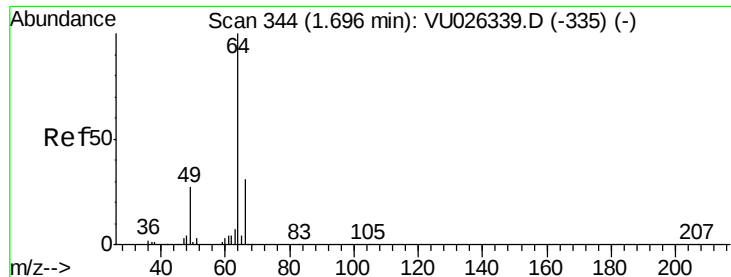
96 92.6 65.9 122.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 46.76 ug/L

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU026385.D

Acq: 25 Aug 2018 20:40

Instrument :

MSVOA_U

ClientSampleId :

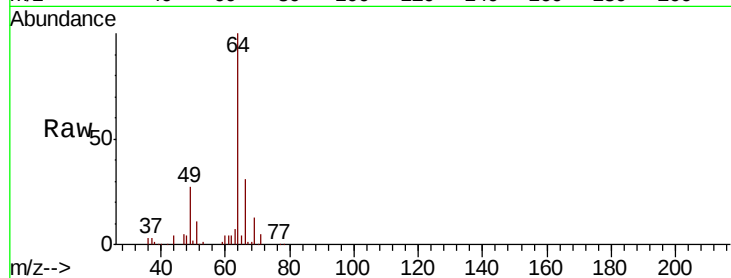
VSTD05056

Tot Ion: 64 Resp: 66017

Ion Ratio Lower Upper

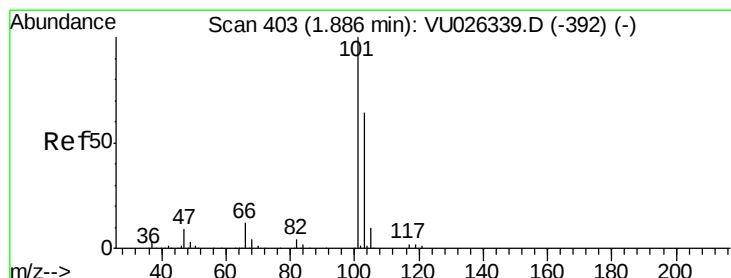
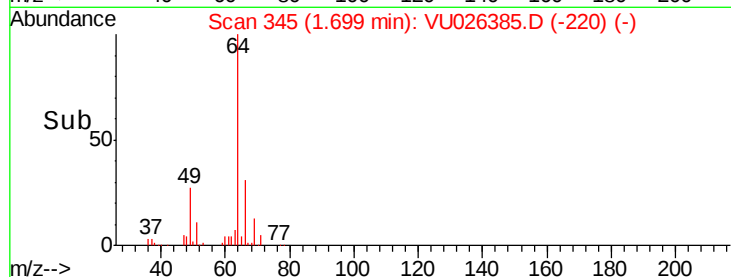
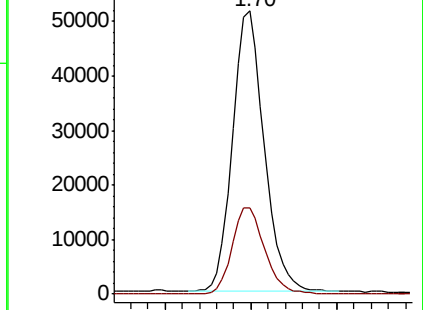
64 100

66 30.6 21.9 40.7



Abundance Ion 64.00 (63.70 to 64.70): VU026385.D (-220) (-)

Ion 66.00 (65.70 to 66.70): VU026385.D (-220) (-)



#9

Trichlorofluoromethane

Concen: 47.00 ug/L

RT: 1.89 min Scan# 403

Delta R.T. -0.00 min

Lab File: VU026385.D

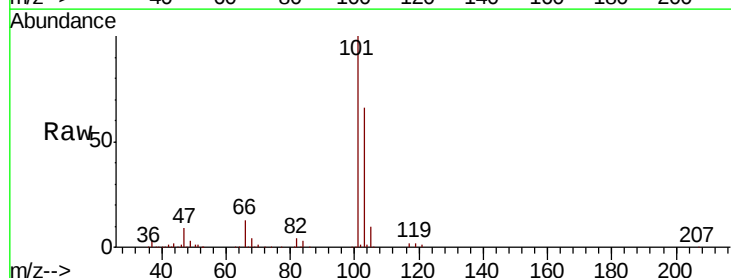
Acq: 25 Aug 2018 20:40

Tgt Ion:101 Resp: 163890

Ion Ratio Lower Upper

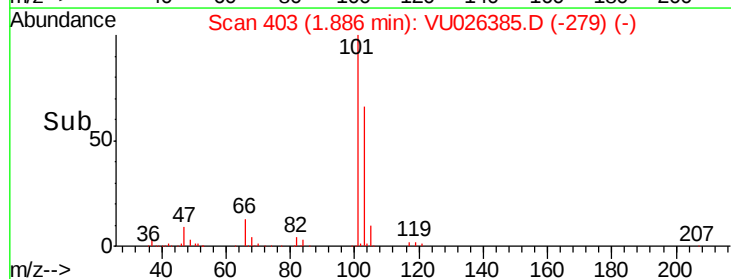
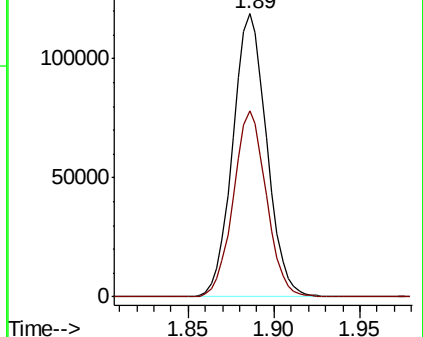
101 100

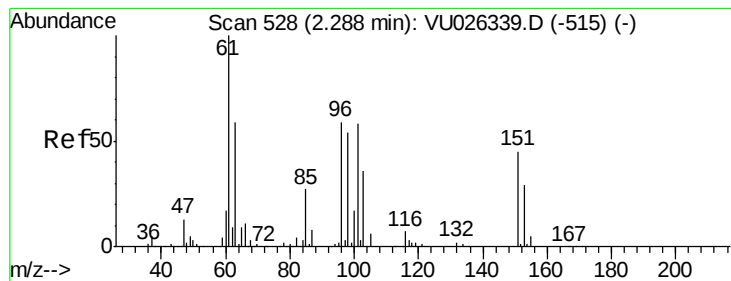
103 63.9 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): VU026385.D (-279) (-)

Ion 103.00 (102.70 to 103.70): VU026385.D (-279) (-)





#10

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

Concen: 46.78 ug/L

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU026385.D

Acq: 25 Aug 2018 20:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

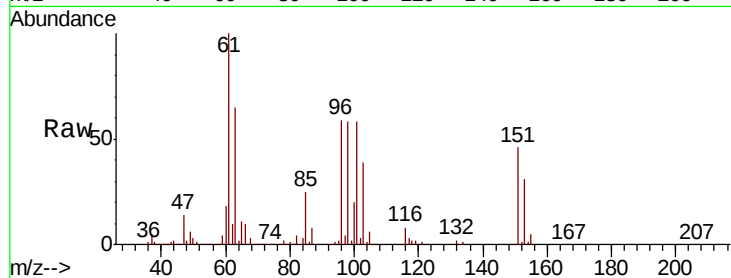
Tot Ion:101 Resp: 90500

Ion Ratio Lower Upper

101 100

85 43.2 35.8 53.6

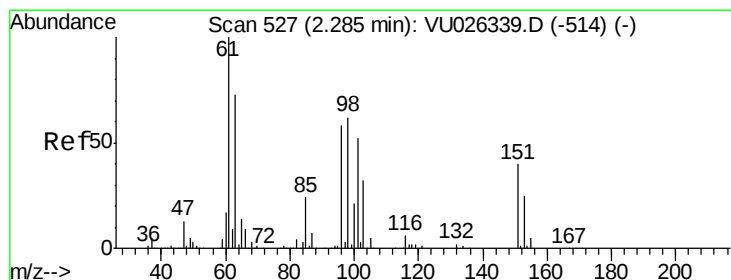
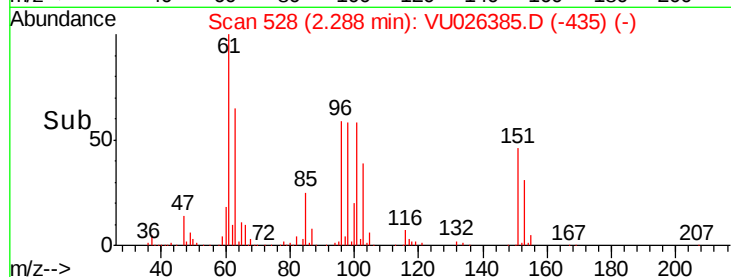
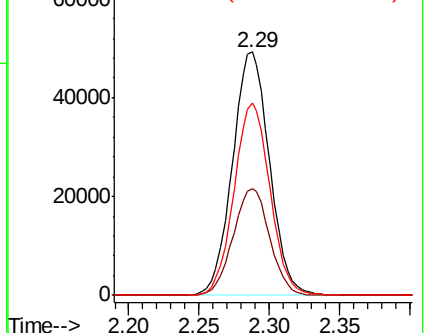
151 76.8 63.3 94.9



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: 46.97 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU026385.D

Acq: 25 Aug 2018 20:40

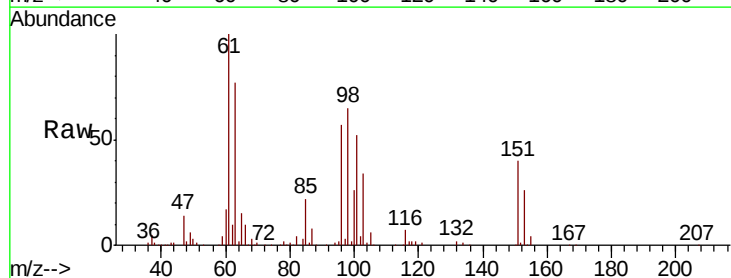
Tgt Ion: 96 Resp: 83443

Ion Ratio Lower Upper

96 100

61 174.9 124.7 231.5

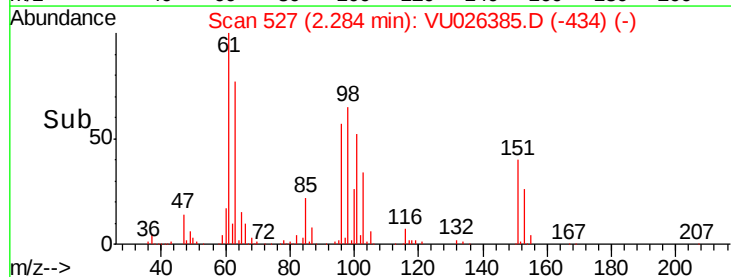
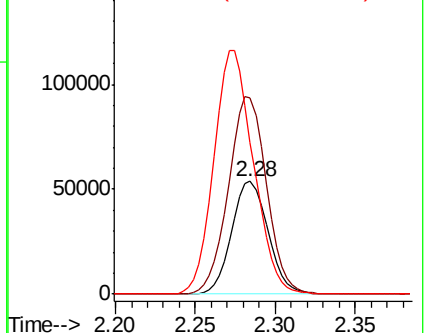
63 134.0 93.7 174.1

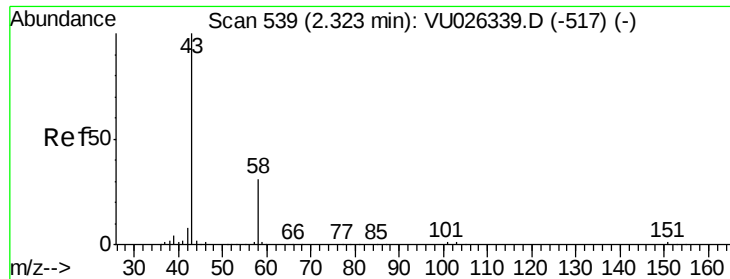


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 73.33 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU026385.D

Acq: 25 Aug 2018 20:40

Instrument :

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ClientSampleId :

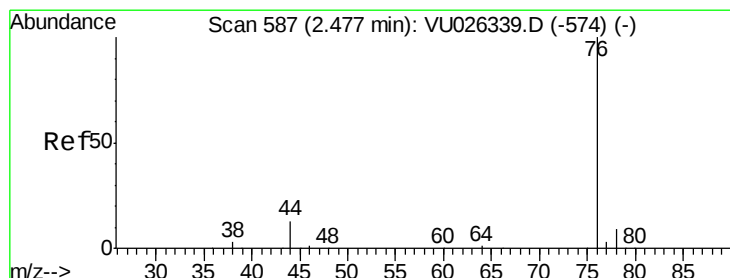
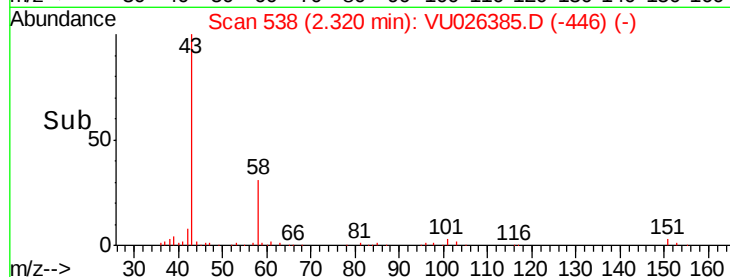
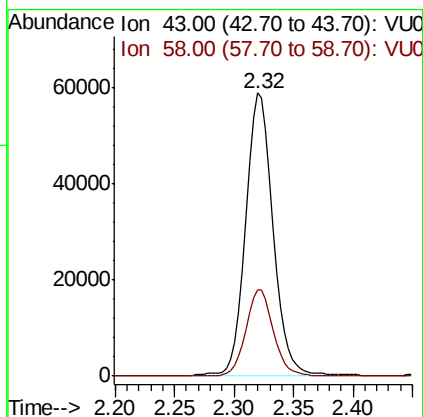
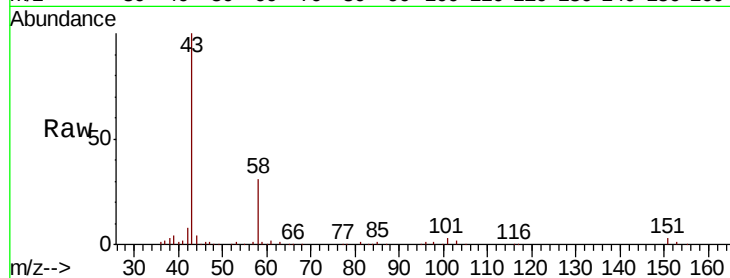
VSTD05056

Tot Ion: 43 Resp: 93245

Ion Ratio Lower Upper

43 100

58 31.0 0.0 61.2



#14

Carbon disulfide

Concen: 42.79 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU026385.D

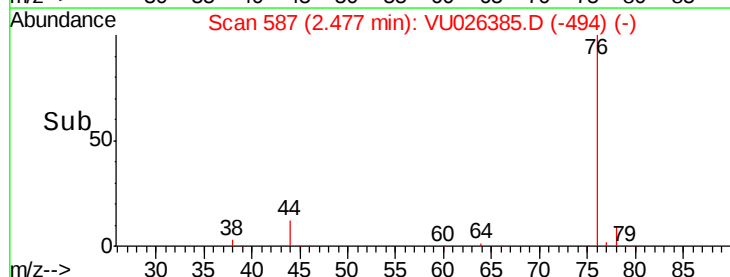
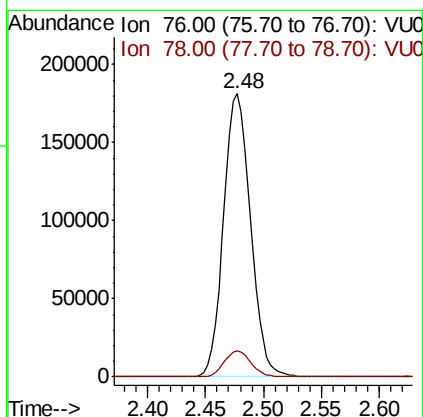
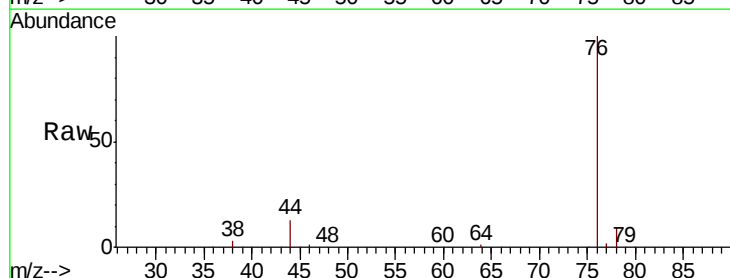
Acq: 25 Aug 2018 20:40

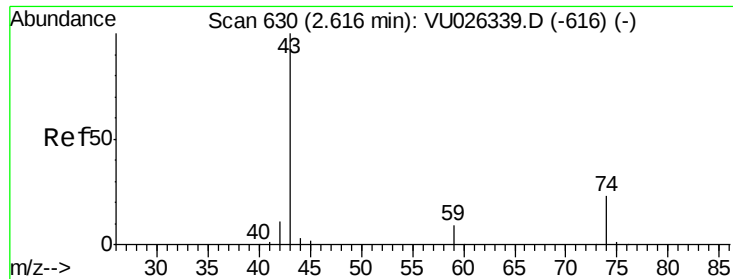
Tgt Ion: 76 Resp: 291619

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8

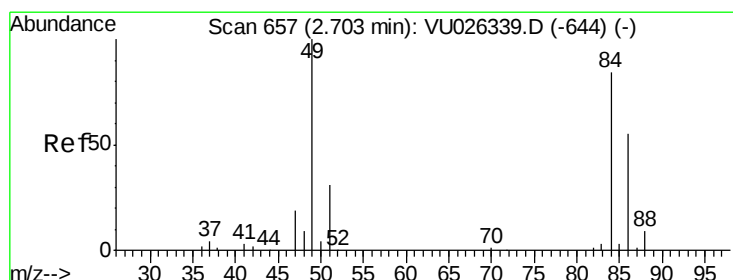
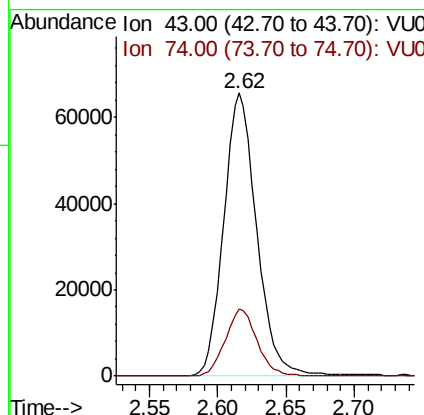
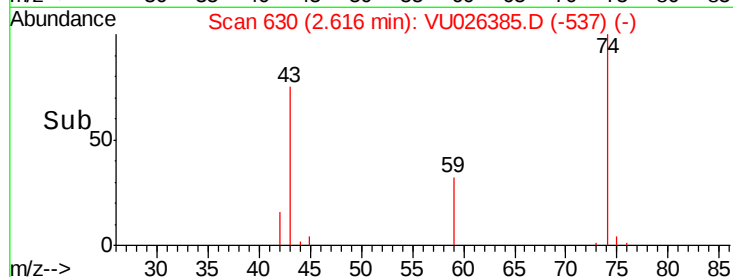
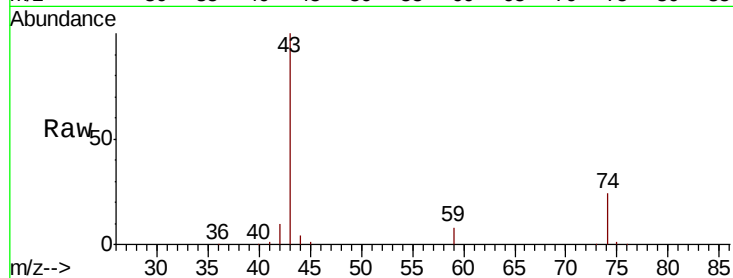




#15
Methvl Acetate
Concen: 44.94 ug/L
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU026385.D
Acq: 25 Aug 2018 20:40

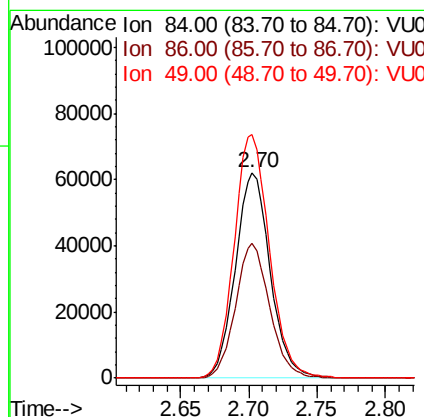
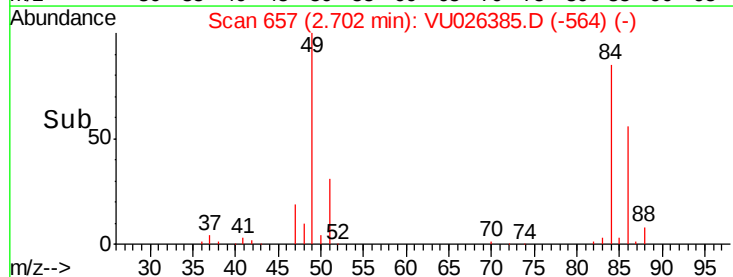
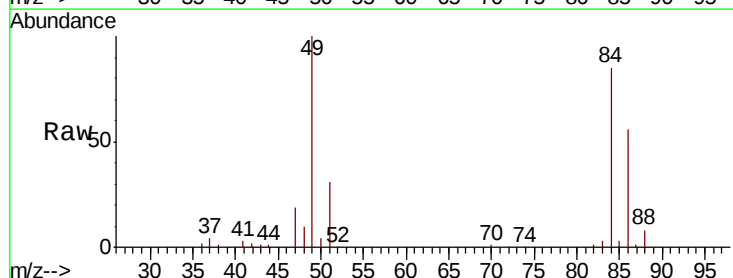
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

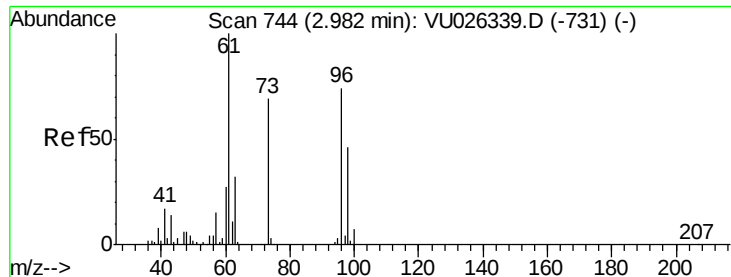
Tot Ion: 43 Resp: 109976
Ion Ratio Lower Upper
43 100
74 23.0 18.6 27.8



#16
Methylene chloride
Concen: 46.06 ug/L
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU026385.D
Acq: 25 Aug 2018 20:40

Tgt Ion: 84 Resp: 110101
Ion Ratio Lower Upper
84 100
86 65.7 45.4 84.4
49 118.3 85.3 158.5





#17

trans-1,2-Dichloroethene

Concen: 44.69 ug/L

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU026385.D

Acq: 25 Aug 2018 20:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

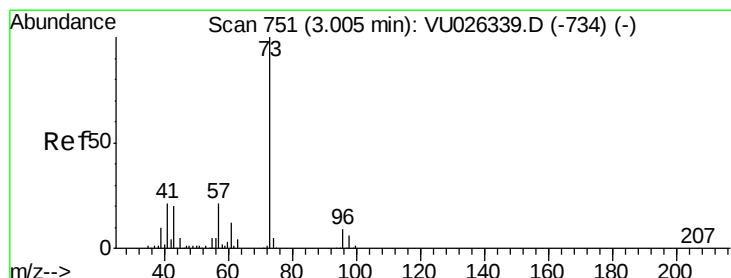
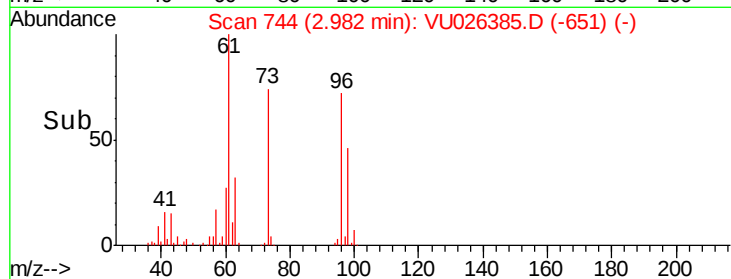
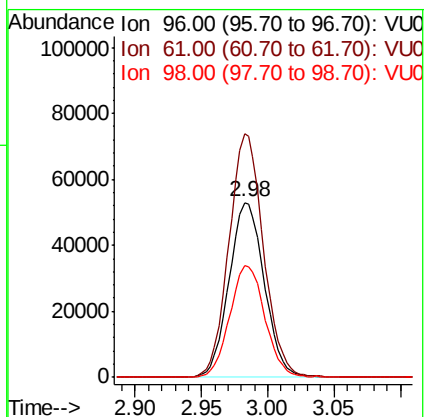
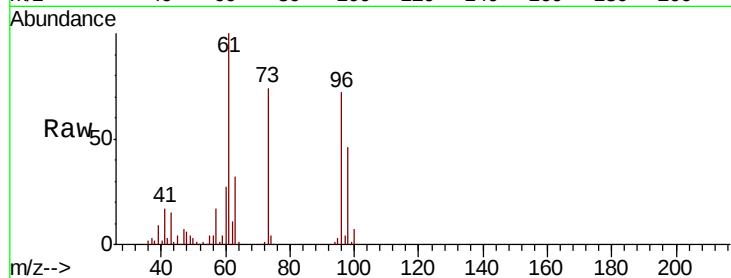
Tot Ion: 96 Resp: 97862

Ion Ratio Lower Upper

96 100

61 139.1 97.9 181.9

98 63.6 45.1 83.7



#18

Methyl tert-butyl Ether

Concen: 45.58 ug/L

RT: 3.00 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU026385.D

Acq: 25 Aug 2018 20:40

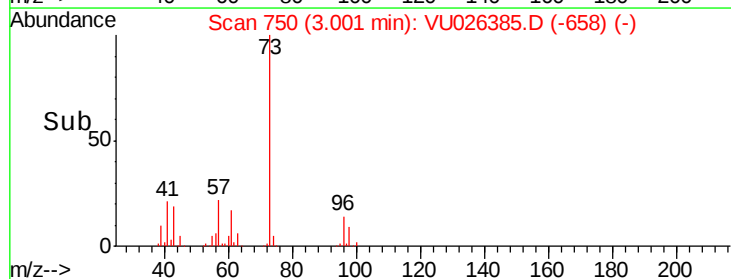
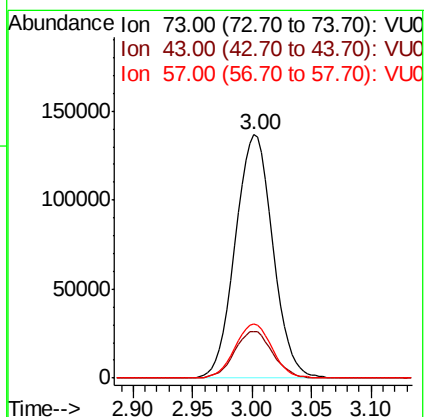
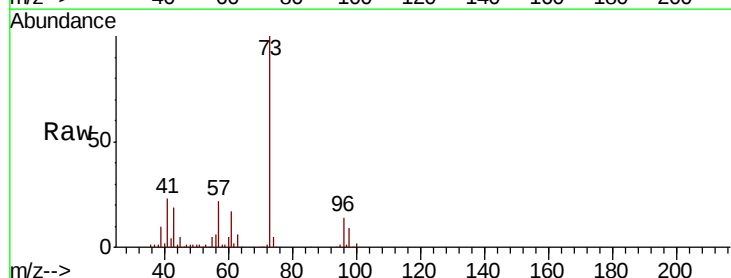
Tgt Ion: 73 Resp: 298999

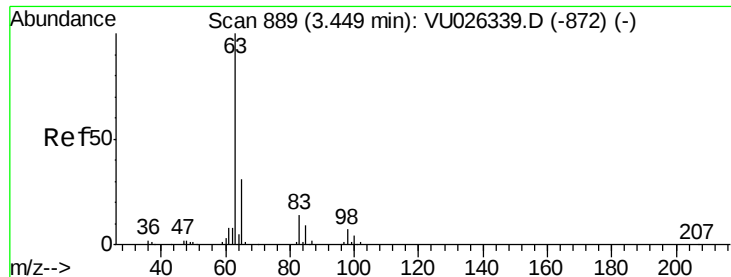
Ion Ratio Lower Upper

73 100

43 19.6 15.7 23.5

57 22.0 17.5 26.3





#19

1,1-Dichloroethane

Concen: 46.28 ug/L

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU026385.D

Acq: 25 Aug 2018 20:40

Instrument :

MSVOA_U

ClientSampled :

VSTD05056

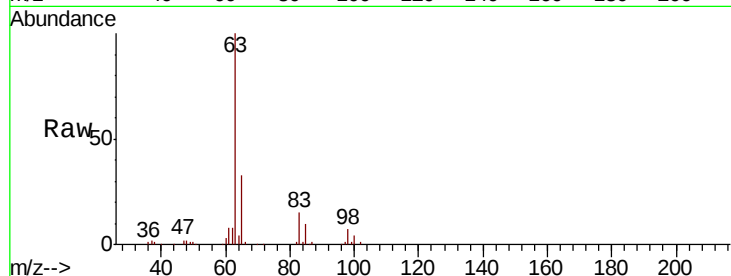
Tot Ion: 63 Resp: 184541

Ion Ratio Lower Upper

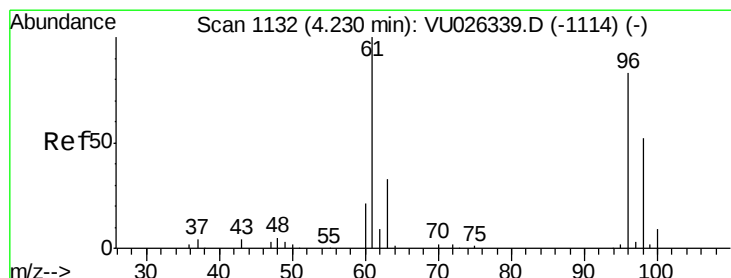
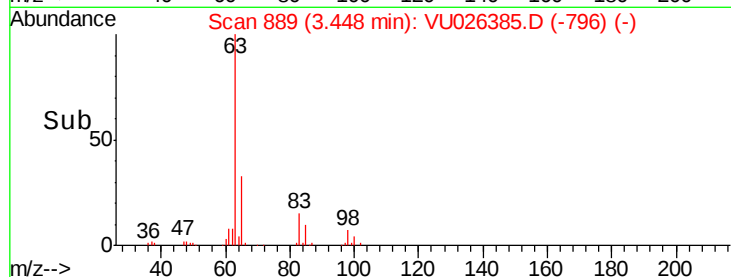
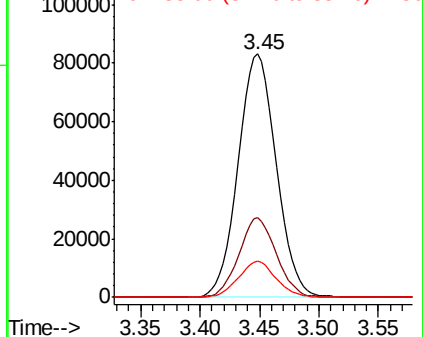
63 100

65 32.6 21.4 39.8

83 14.9 9.2 17.2



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



#20

cis-1,2-Dichloroethene

Concen: 47.63 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU026385.D

Acq: 25 Aug 2018 20:40

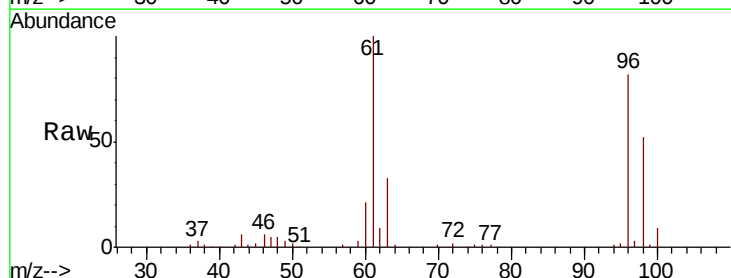
Tgt Ion: 96 Resp: 115118

Ion Ratio Lower Upper

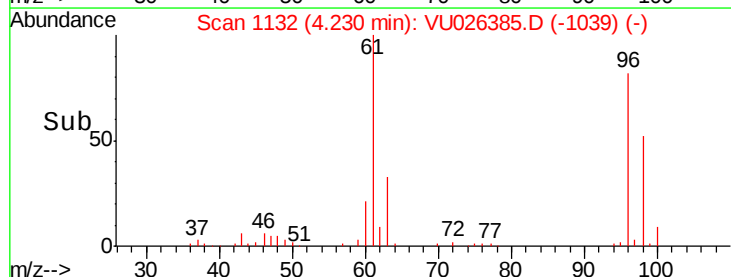
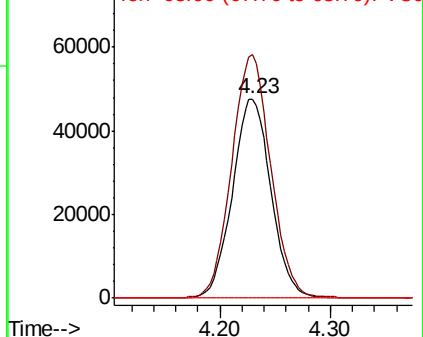
96 100

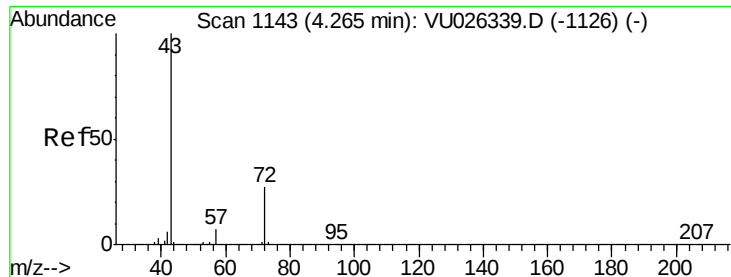
61 122.3 90.3 167.7

68 0.0 0.0 0.0



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





#22

2-Butanone

Concen: 85.14 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU026385.D

Acq: 25 Aug 2018 20:40

Instrument :

MSVOA_U

ClientSampleId :

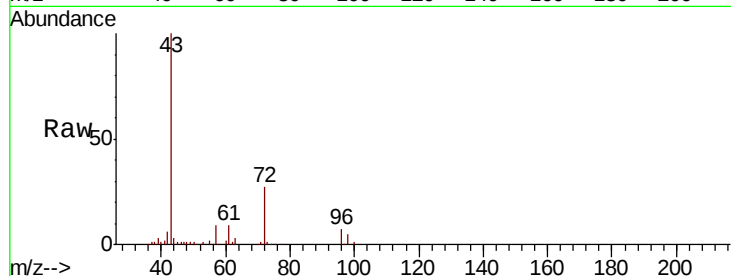
VSTD05056

Tot Ion: 43 Resp: 144844

Ion Ratio Lower Upper

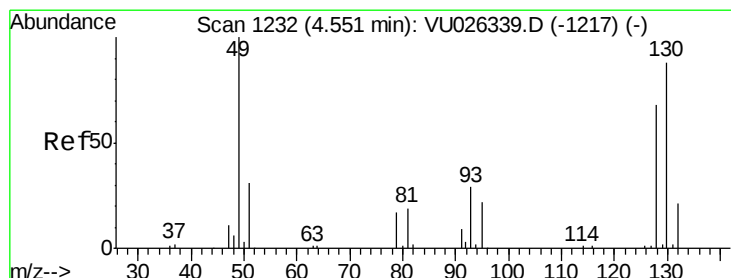
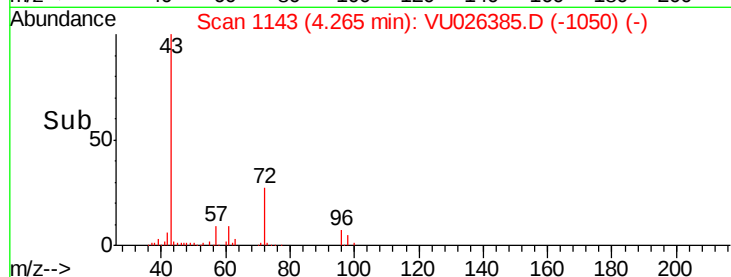
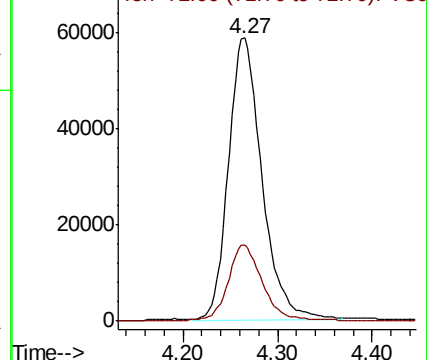
43 100

72 27.8 14.1 42.3



Abundance Ion 43.00 (42.70 to 43.70): VU026339.D (-1126) (-)

Ion 72.00 (71.70 to 72.70): VU026339.D (-1126) (-)



#23

Bromochloromethane

Concen: 47.40 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU026385.D

Acq: 25 Aug 2018 20:40

Tgt Ion:128 Resp: 61265

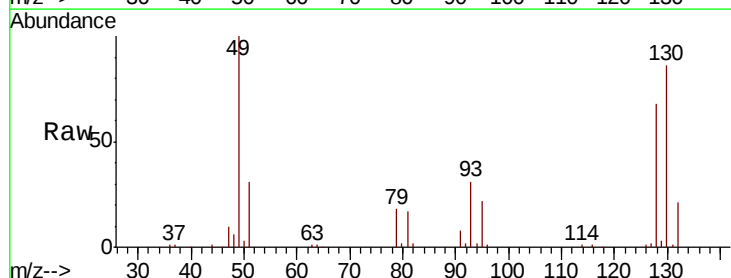
Ion Ratio Lower Upper

128 100

49 147.0 106.7 198.3

130 125.8 91.7 170.3

51 45.7 38.0 57.0

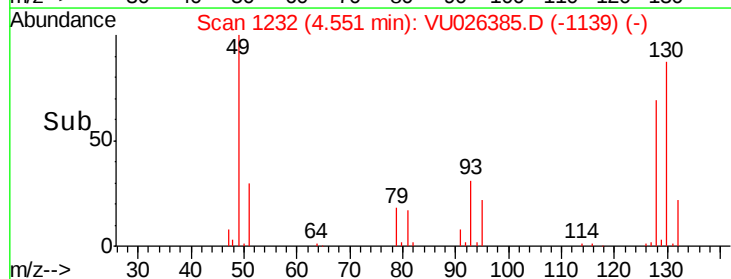
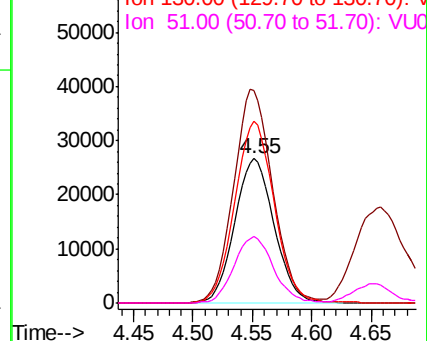


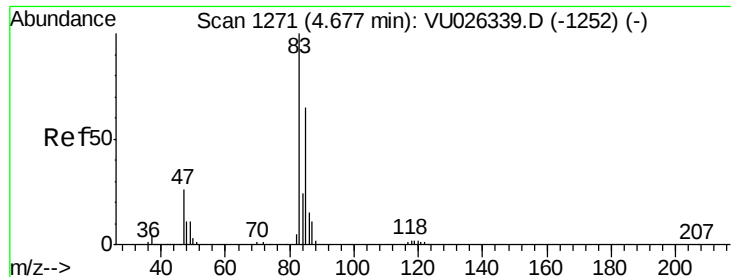
Abundance Ion 128.00 (127.70 to 128.70): VU026339.D (-1217) (-)

Ion 49.00 (48.70 to 49.70): VU026339.D (-1217) (-)

Ion 130.00 (129.70 to 130.70): VU026339.D (-1217) (-)

Ion 51.00 (50.70 to 51.70): VU026339.D (-1217) (-)





#25

Chloroform

Concen: 46.64 ug/L

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU026385.D

Acq: 25 Aug 2018 20:40

Instrument :

MSVOA_U

ClientSampleId :

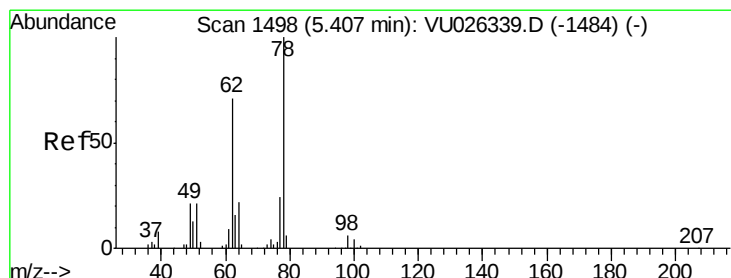
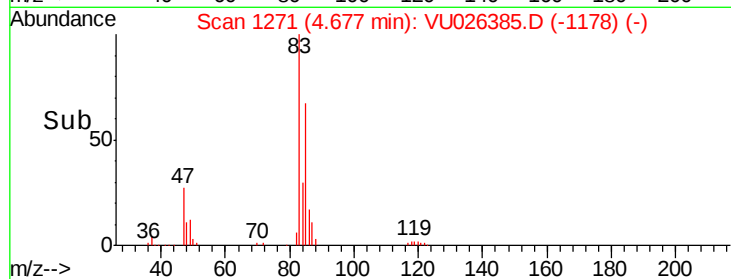
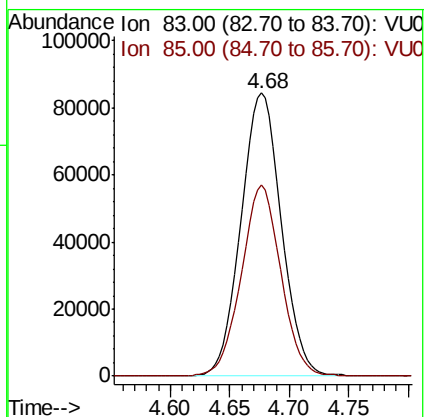
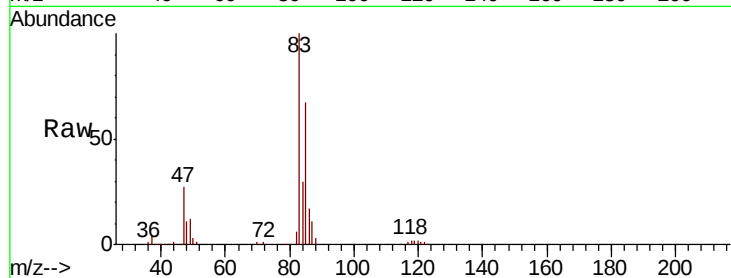
VSTD05056

Tot Ion: 83 Resp: 198547

Ion Ratio Lower Upper

83 100

85 67.4 45.0 83.6



#27

1,2-Dichloroethane

Concen: 46.46 ug/L

RT: 5.41 min Scan# 1498

Delta R.T. -0.00 min

Lab File: VU026385.D

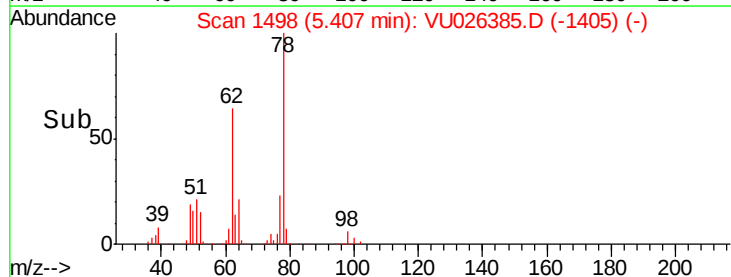
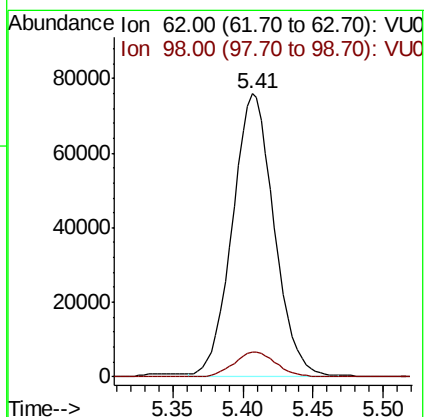
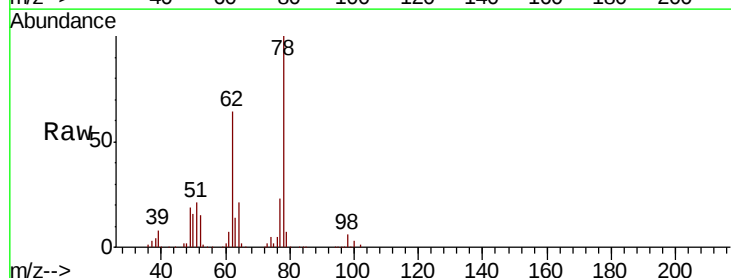
Acq: 25 Aug 2018 20:40

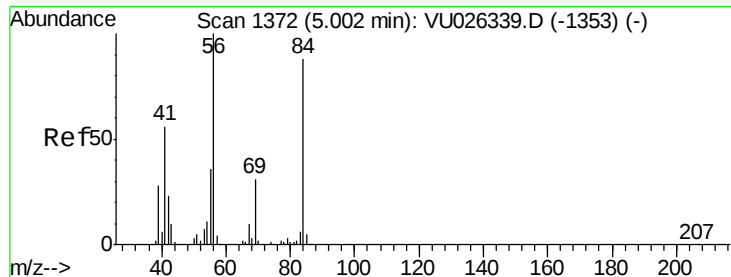
Tgt Ion: 62 Resp: 157549

Ion Ratio Lower Upper

62 100

98 8.9 7.2 10.8

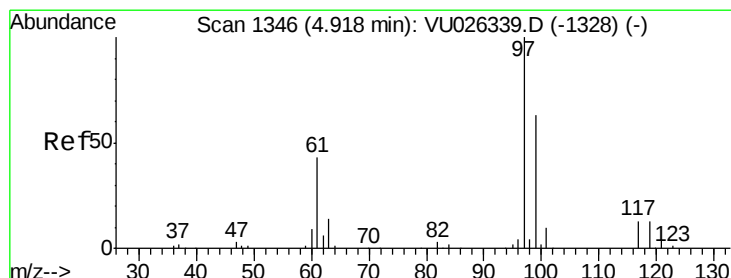
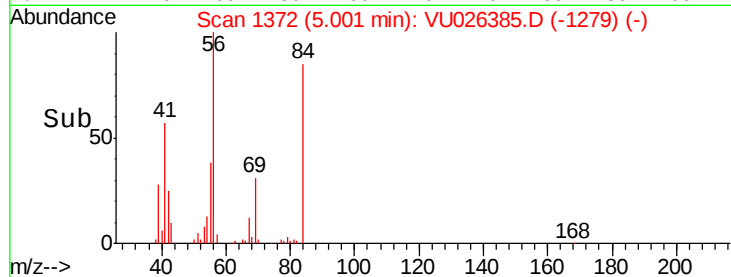
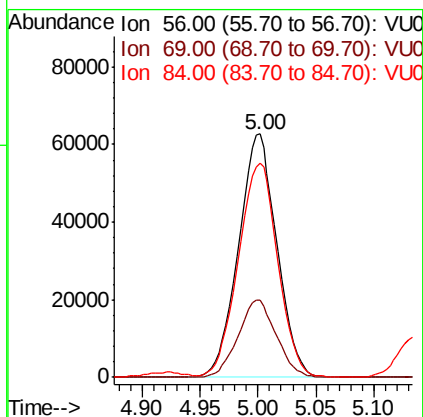
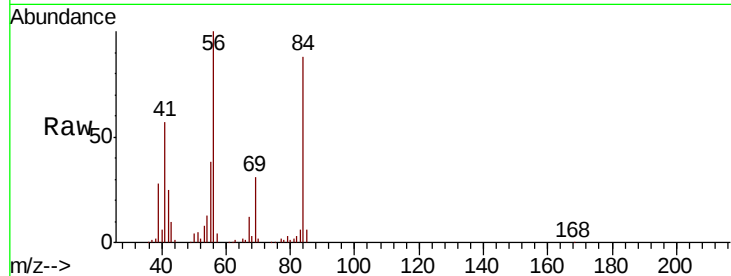




#29
Cyclohexane
Concen: 42.49 ug/L
RT: 5.00 min Scan# 1372
Delta R.T. -0.00 min
Lab File: VU026385.D
Acq: 25 Aug 2018 20:40

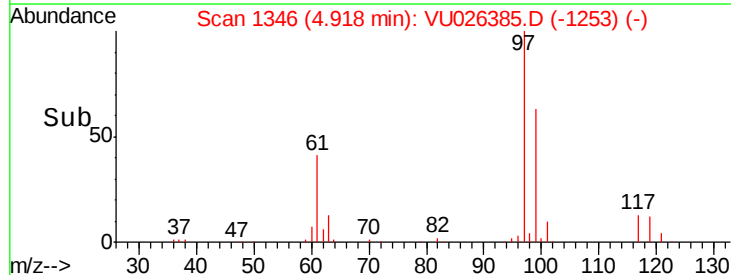
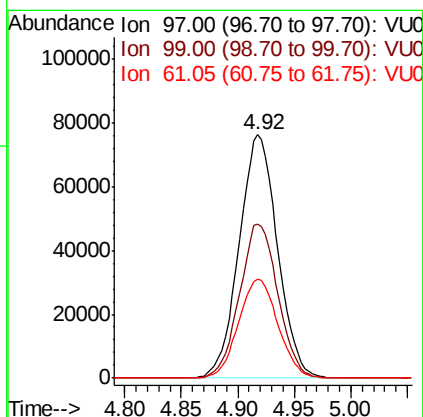
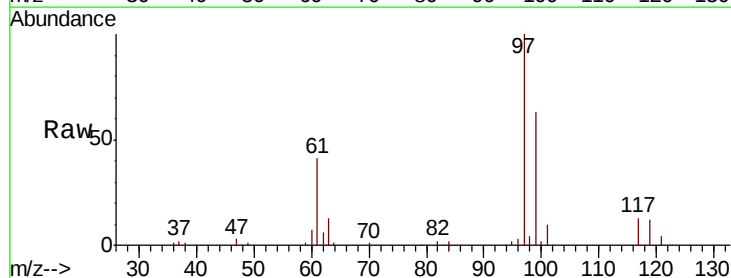
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

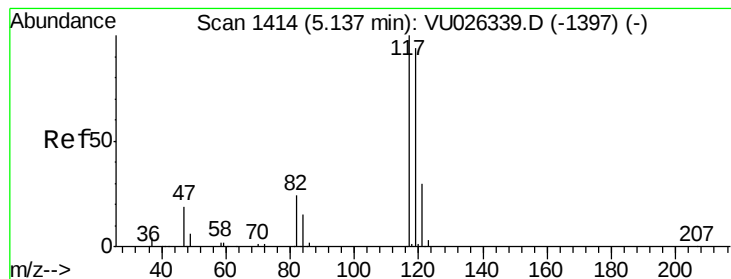
Tot Ion: 56 Resp: 143948
Ion Ratio Lower Upper
56 100
69 31.6 24.6 37.0
84 90.9 70.1 105.1



#30
1,1,1-Trichloroethane
Concen: 46.96 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU026385.D
Acq: 25 Aug 2018 20:40

Tgt Ion: 97 Resp: 180248
Ion Ratio Lower Upper
97 100
99 63.3 52.0 78.0
61 41.8 34.2 51.4





#31

Carbon tetrachloride

Concen: 45.73 ug/L

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU026385.D

Acq: 25 Aug 2018 20:40

Instrument :

MSVOA_U

ClientSampleId :

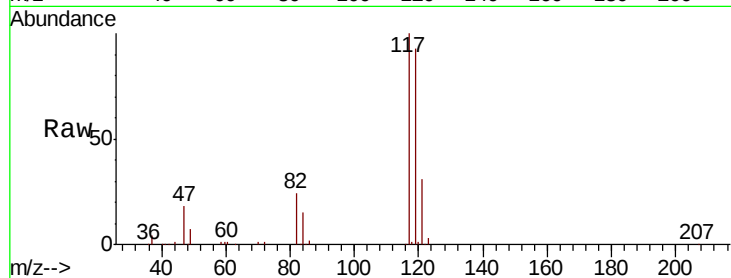
VSTD05056

Tot Ion:117 Resp: 165009

Ion Ratio Lower Upper

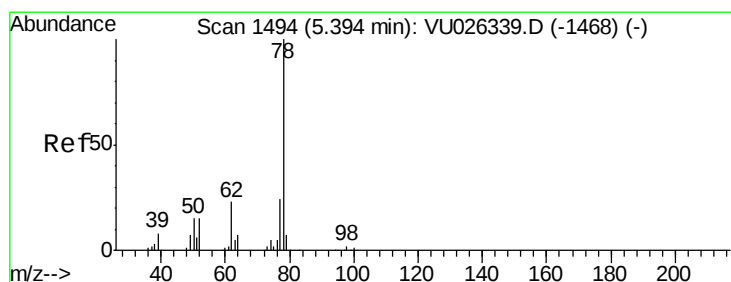
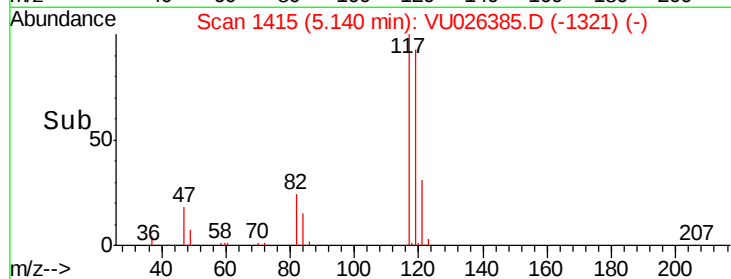
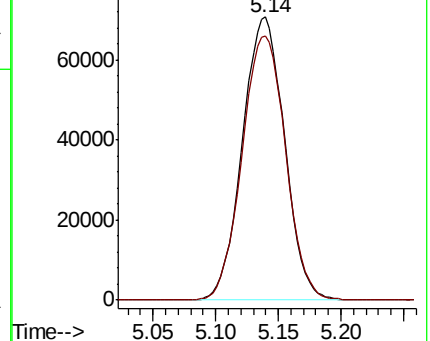
117 100

119 96.2 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 46.29 ug/L

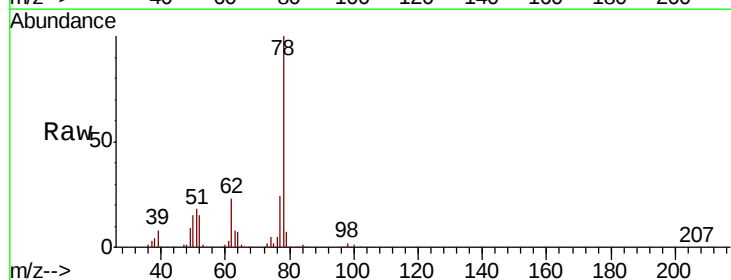
RT: 5.39 min Scan# 1494

Delta R.T. -0.00 min

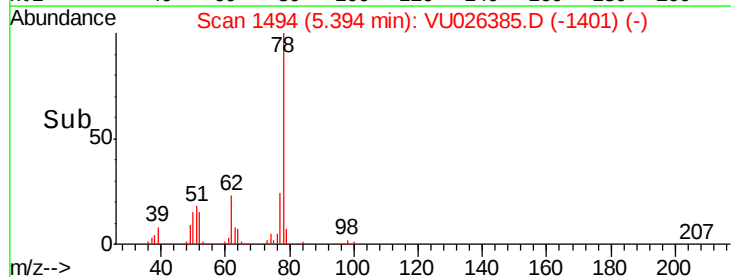
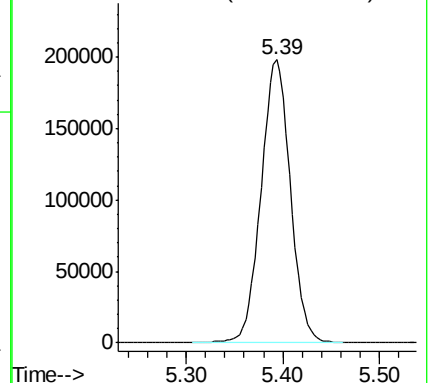
Lab File: VU026385.D

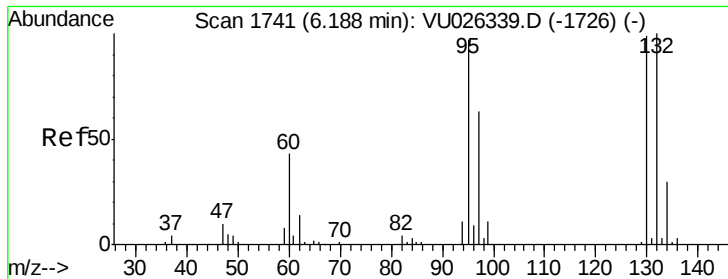
Acq: 25 Aug 2018 20:40

Tgt Ion: 78 Resp: 416888



Abundance Ion 78.00 (77.70 to 78.70): VU0

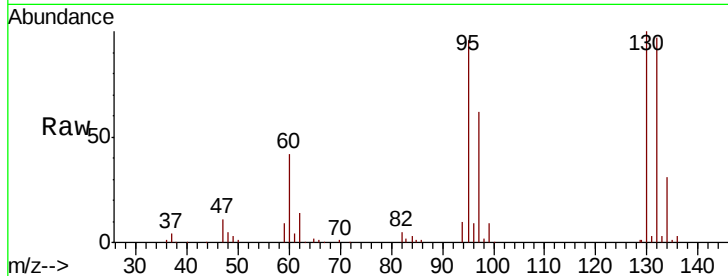




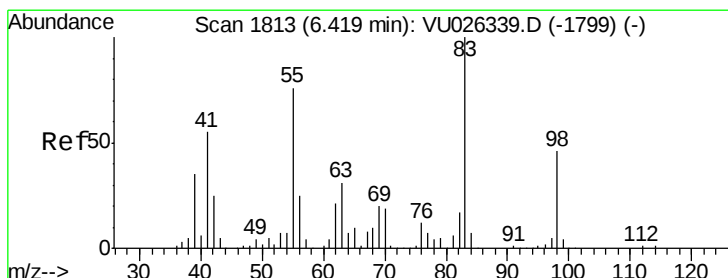
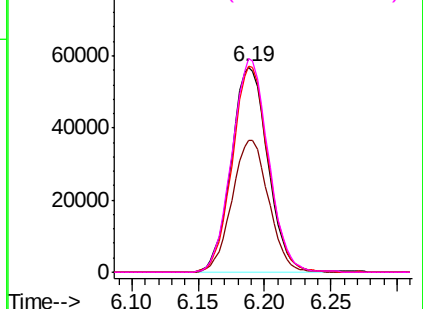
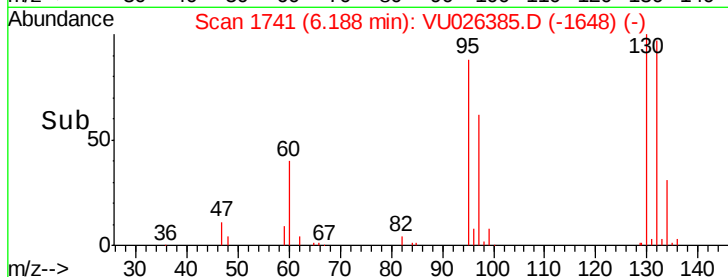
#34
 Trichloroethene
 Concen: 45.81 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VU026385.D
 Acq: 25 Aug 2018 20:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

Tot Ion:	95	Resp:	109097
Ion	Ratio	Lower	Upper
95	100		
97	64.6	47.2	87.6
132	100.7	70.2	130.4
130	104.2	73.4	136.4

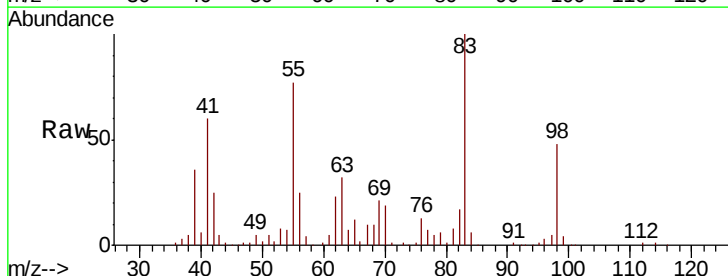


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

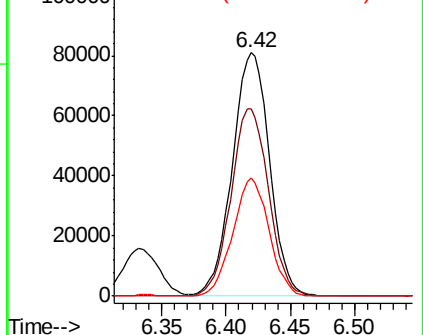
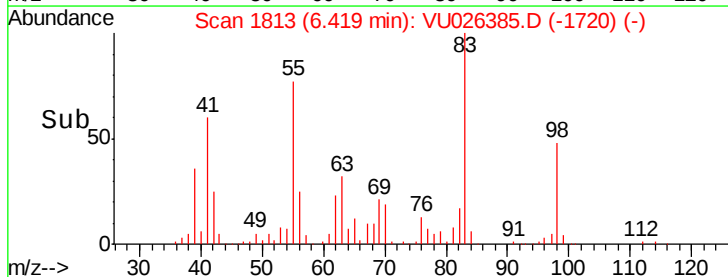


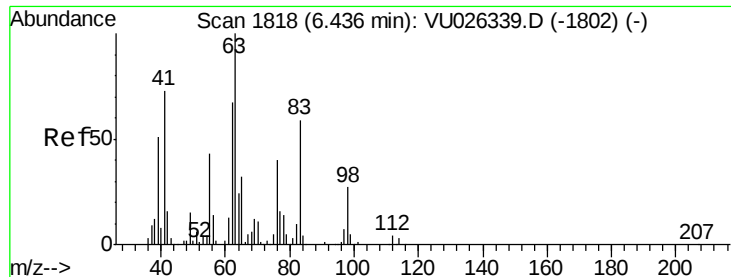
#35
 Methylcyclohexane
 Concen: 44.73 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VU026385.D
 Acq: 25 Aug 2018 20:40

Tgt Ion:	83	Resp:	162896
Ion	Ratio	Lower	Upper
83	100		
55	77.4	60.6	91.0
98	46.9	36.8	55.2



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

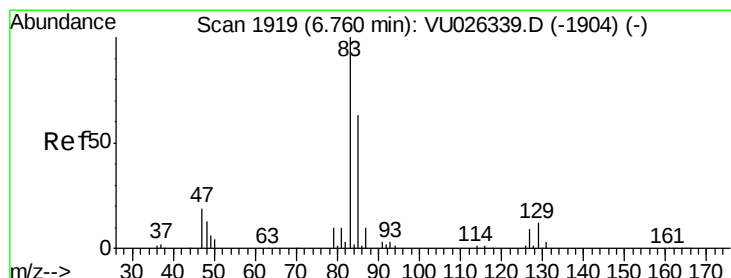
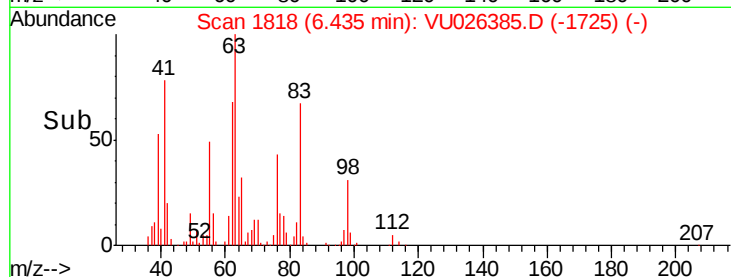
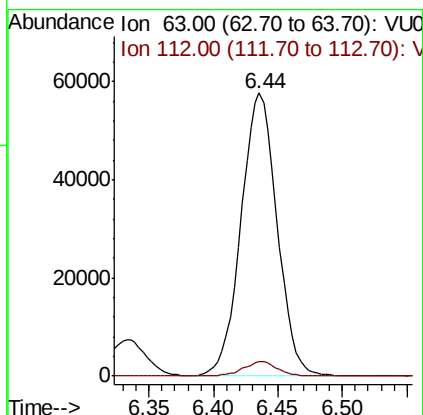
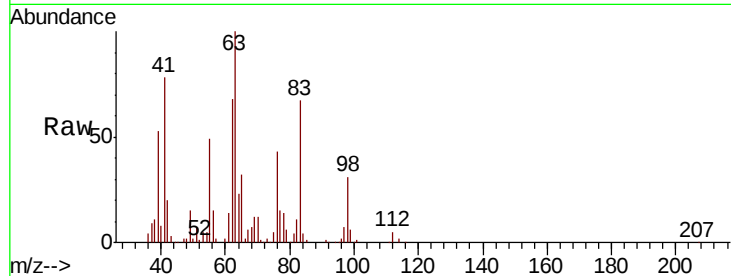




#37
 1,2-Dichloropropane
 Concen: 45.70 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU026385.D
 Acq: 25 Aug 2018 20:40

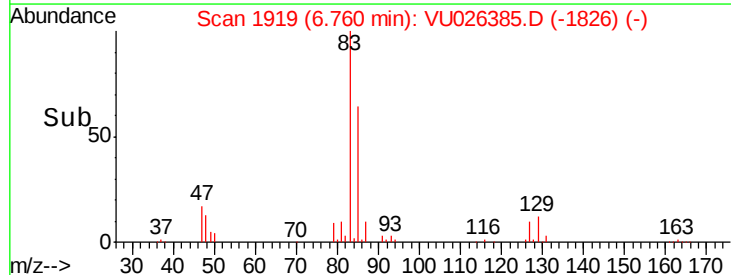
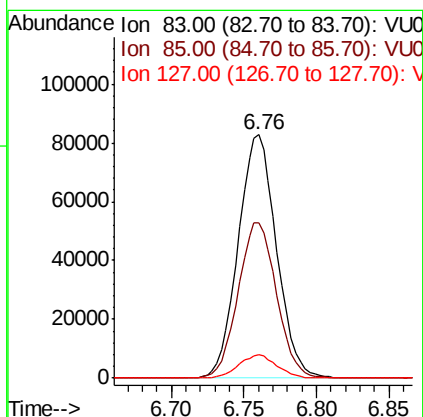
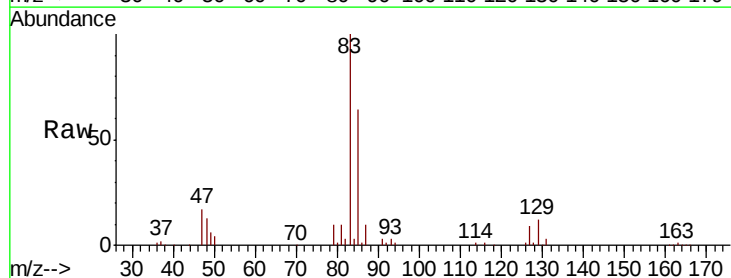
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

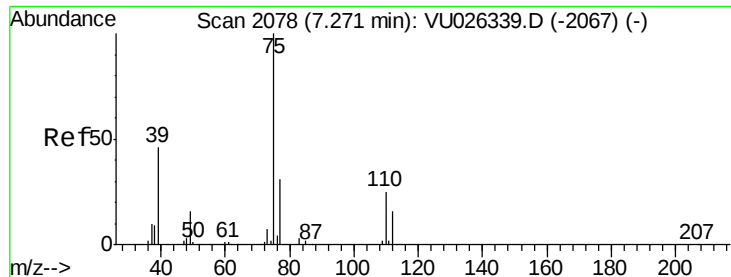
Tot Ion: 63 Resp: 112490
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.4 5.2



#38
 Bromodichloromethane
 Concen: 46.15 ug/L
 RT: 6.76 min Scan# 1919
 Delta R.T. -0.00 min
 Lab File: VU026385.D
 Acq: 25 Aug 2018 20:40

Tgt Ion: 83 Resp: 151888
 Ion Ratio Lower Upper
 83 100
 85 63.5 46.3 86.1
 127 9.5 7.8 11.6

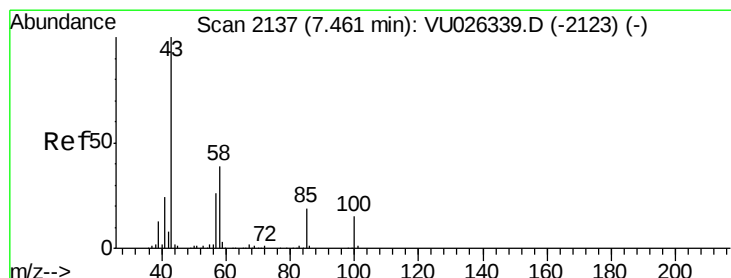
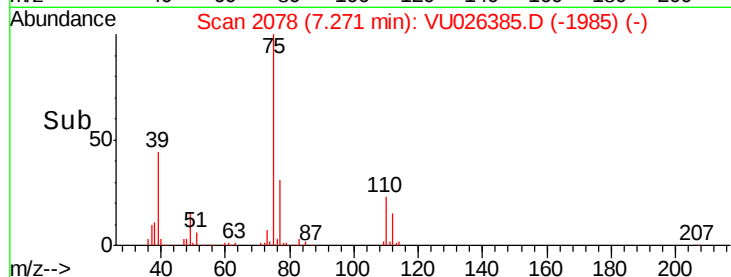
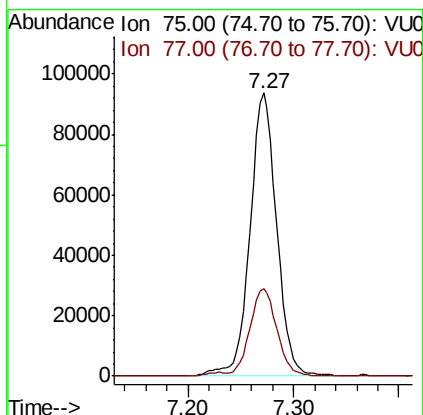
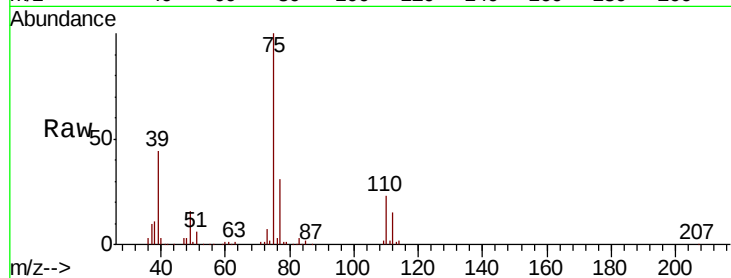




#39
 cis-1,3-Dichloropropene
 Concen: 44.29 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU026385.D
 Acq: 25 Aug 2018 20:40

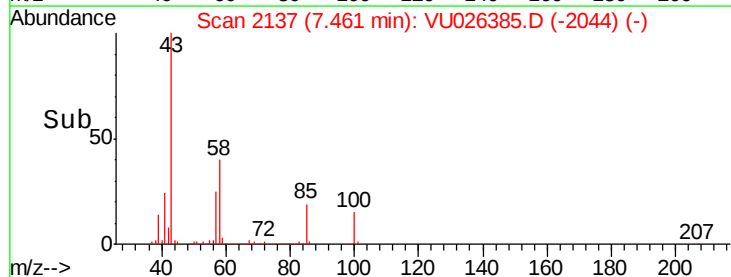
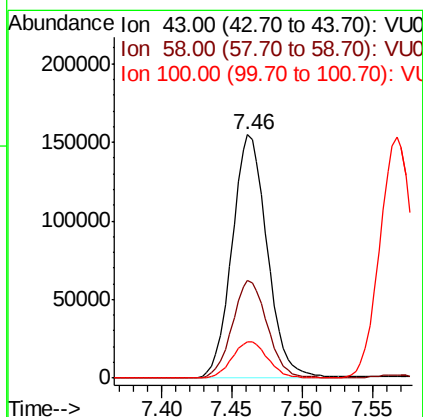
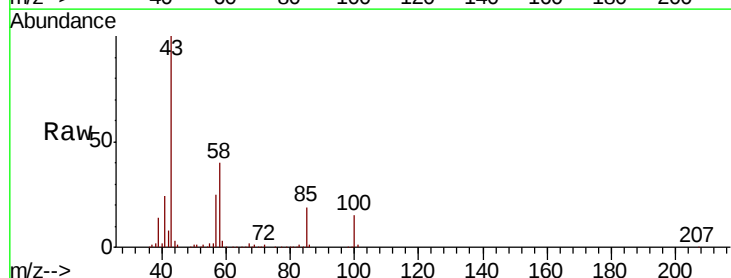
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

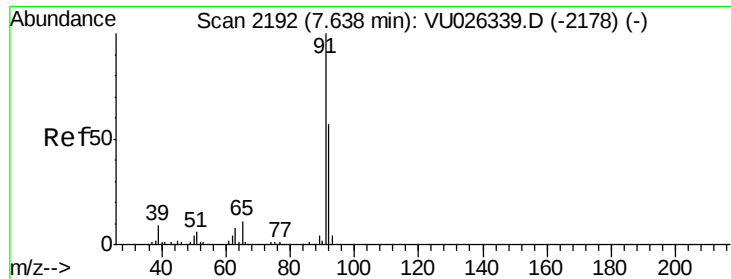
Tot Ion: 75 Resp: 165591
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 86.67 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU026385.D
 Acq: 25 Aug 2018 20:40

Tgt Ion: 43 Resp: 270354
 Ion Ratio Lower Upper
 43 100
 58 40.2 31.6 47.4
 100 15.2 12.3 18.5





#42

Toluene

Concen: 47.11 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU026385.D

Acq: 25 Aug 2018 20:40

Instrument :

MSVOA_U

ClientSampleId :

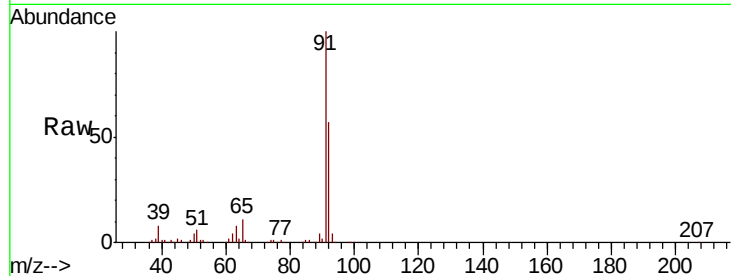
VSTD05056

Tot Ion: 91 Resp: 451463

Ion Ratio Lower Upper

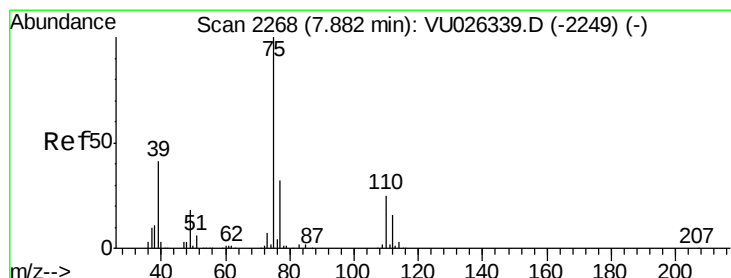
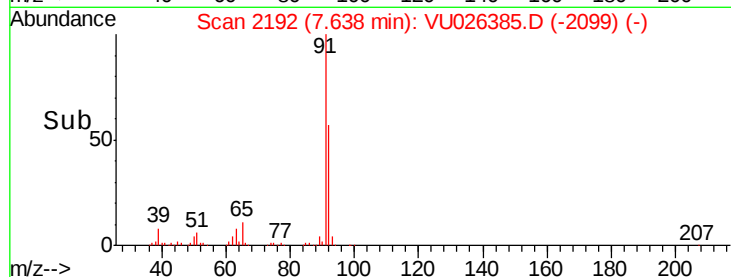
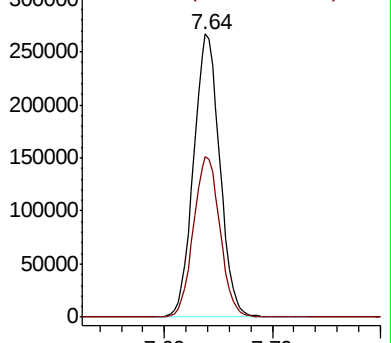
91 100

92 56.8 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 44.65 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU026385.D

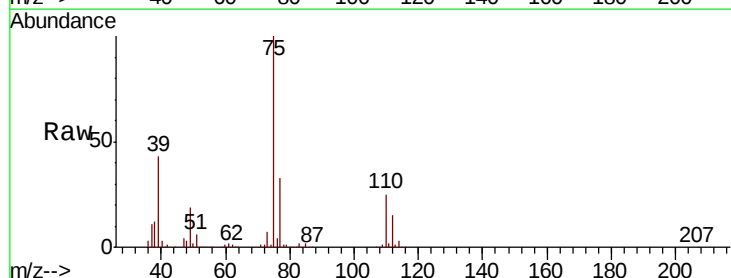
Acq: 25 Aug 2018 20:40

Tgt Ion: 75 Resp: 160617

Ion Ratio Lower Upper

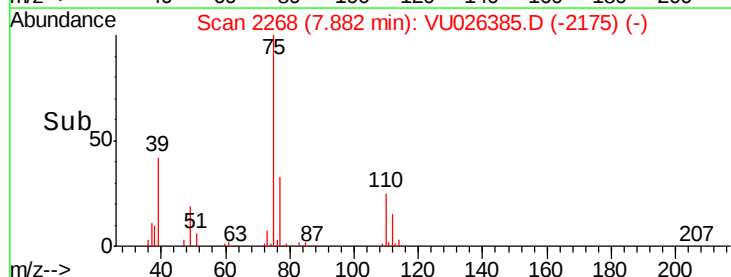
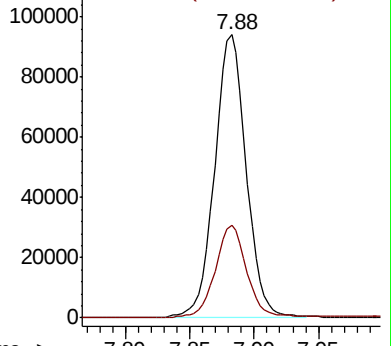
75 100

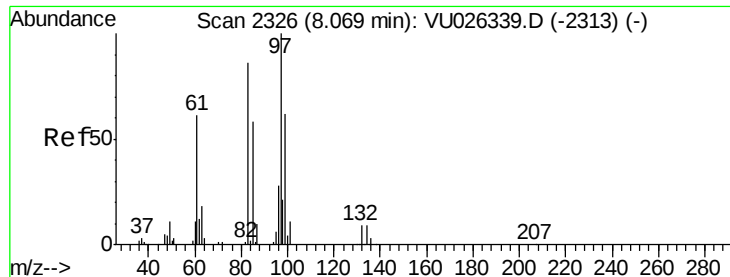
77 32.8 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#45

1,1,2-Trichloroethane

Concen: 46.90 ug/L

RT: 8.07 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VU026385.D

Acq: 25 Aug 2018 20:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

Tot Ion: 97 Resp: 109053

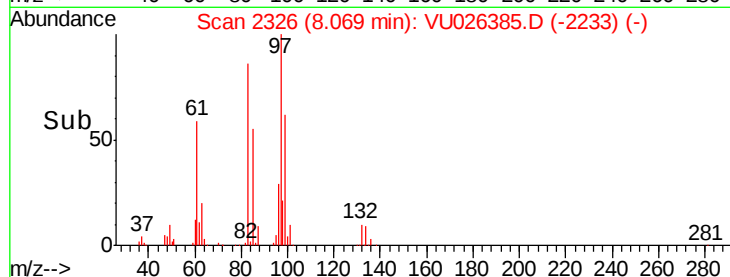
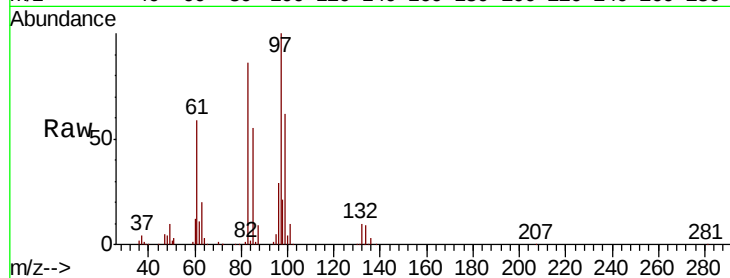
Ion Ratio Lower Upper

97 100

99 62.4 44.0 81.6

83 85.9 59.2 110.0

85 55.2 38.0 70.6

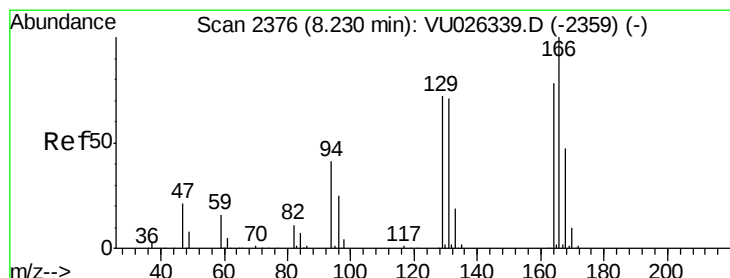
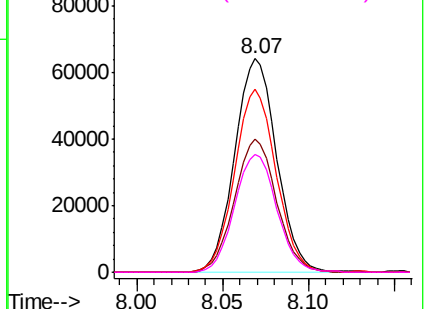


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 45.50 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU026385.D

Acq: 25 Aug 2018 20:40

Tgt Ion: 164 Resp: 93234

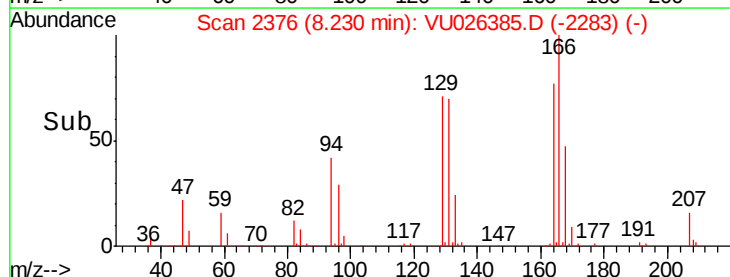
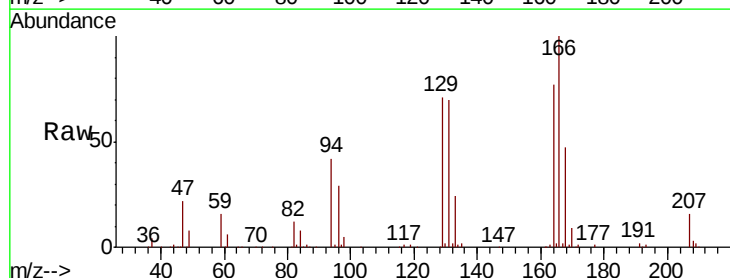
Ion Ratio Lower Upper

164 100

129 91.8 67.3 124.9

131 91.0 65.5 121.7

166 130.0 90.9 168.9

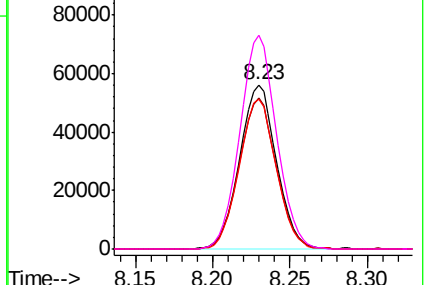


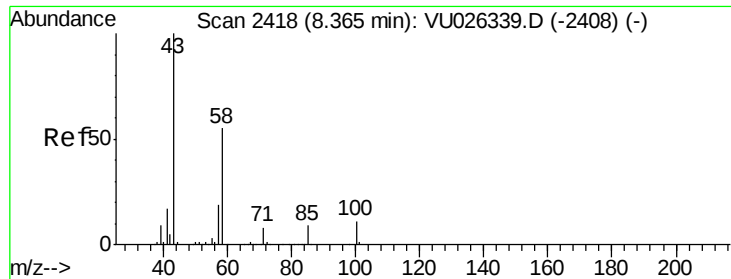
Abundance Ion 164.00 (163.70 to 164.70): V

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

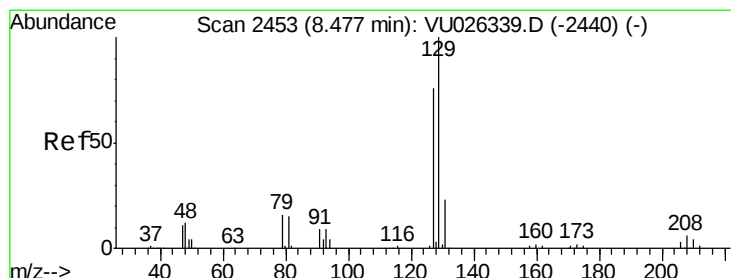
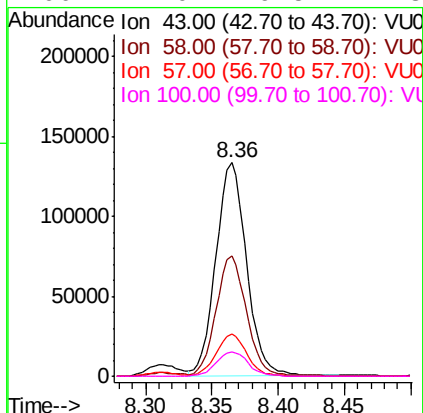
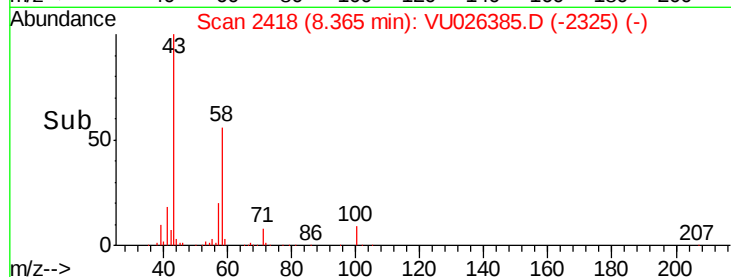
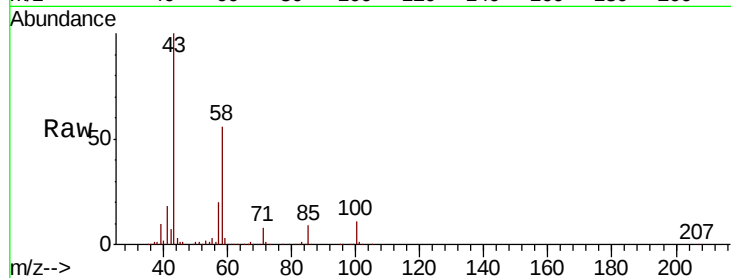




#48
2-Hexanone
Concen: 85.51 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU026385.D
Acq: 25 Aug 2018 20:40

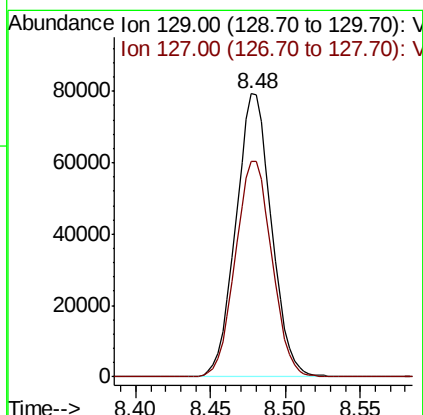
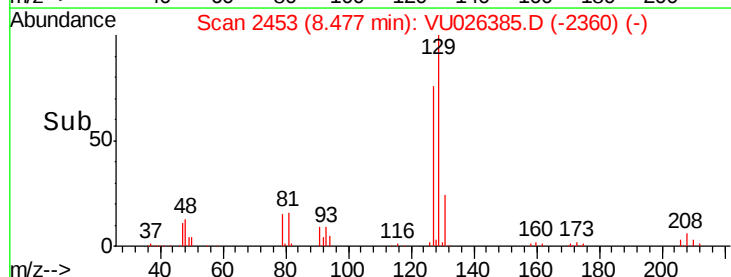
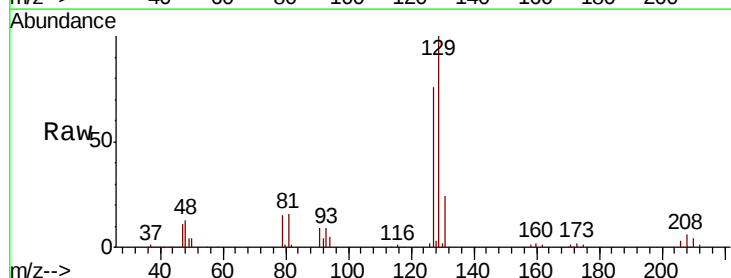
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

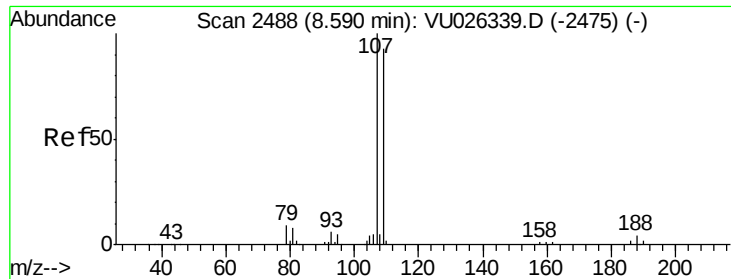
Tot Ion: 43 Resp: 214670
Ion Ratio Lower Upper
43 100
58 55.5 42.6 63.8
57 19.7 15.1 22.7
100 12.0 9.5 14.3



#49
Dibromochloromethane
Concen: 46.03 ug/L
RT: 8.48 min Scan# 2453
Delta R.T. -0.00 min
Lab File: VU026385.D
Acq: 25 Aug 2018 20:40

Tgt Ion: 129 Resp: 131528
Ion Ratio Lower Upper
129 100
127 76.1 53.8 100.0

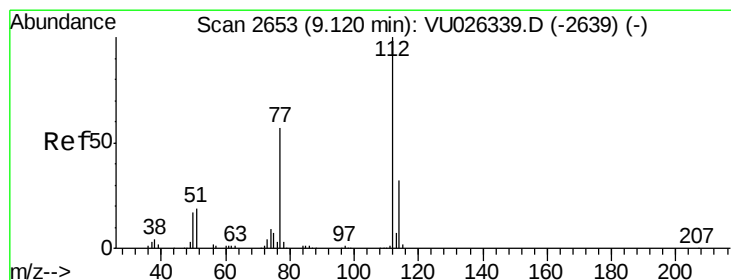
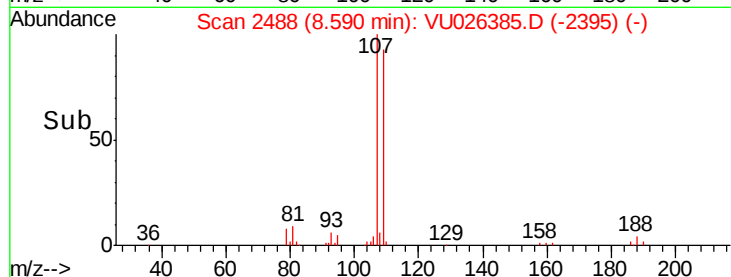
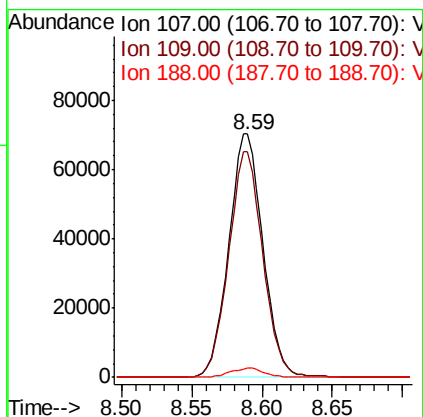
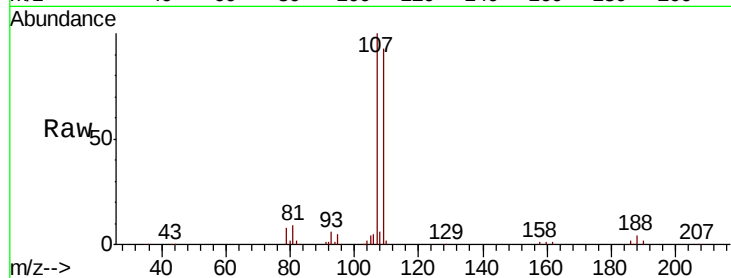




#50
 1,2-Dibromoethane
 Concen: 46.43 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU026385.D
 Acq: 25 Aug 2018 20:40

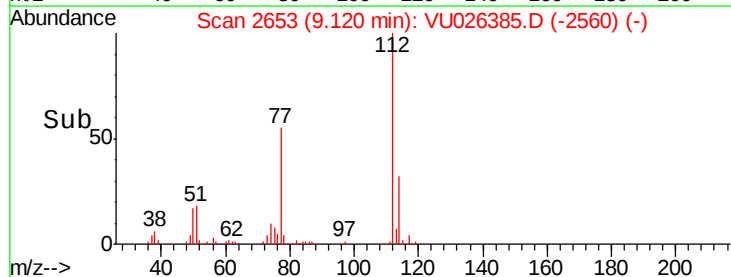
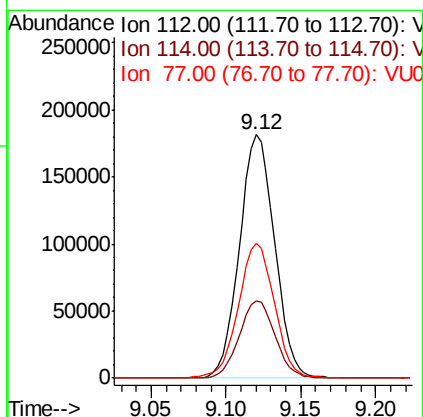
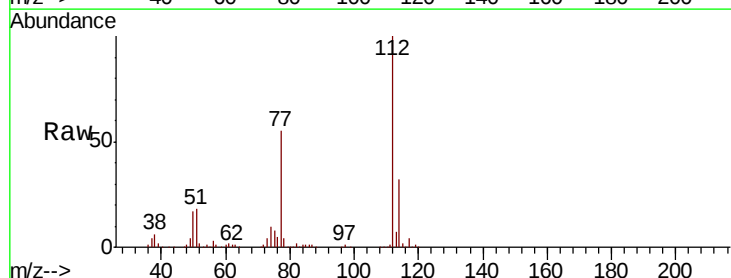
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

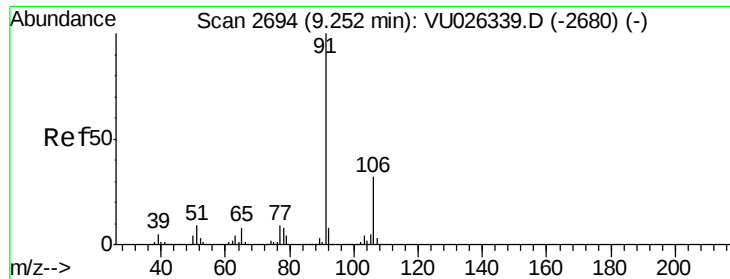
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.6	65.2	121.0
188	3.7	3.4	5.2



#51
 Chlorobenzene
 Concen: 45.42 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. -0.00 min
 Lab File: VU026385.D
 Acq: 25 Aug 2018 20:40

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.5	41.9
77	55.2	45.4	68.2





#52

Ethylbenzene

Concen: 46.30 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU026385.D

Acq: 25 Aug 2018 20:40

Instrument :

MSVOA_U

ClientSampleId :

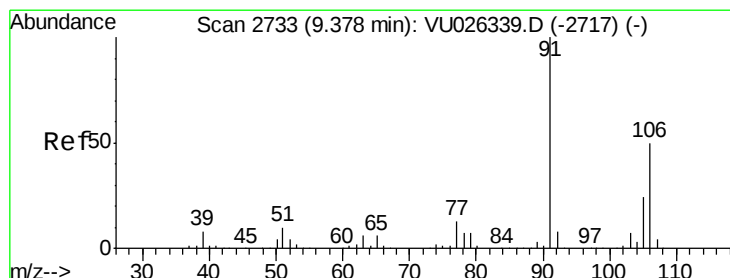
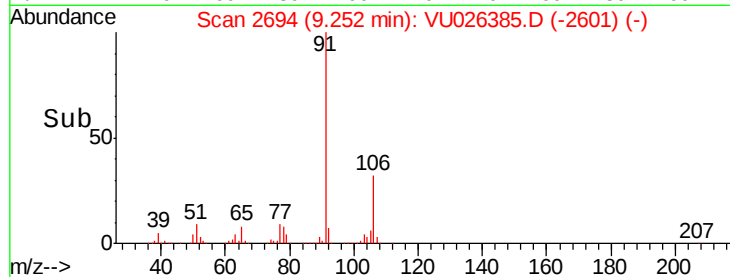
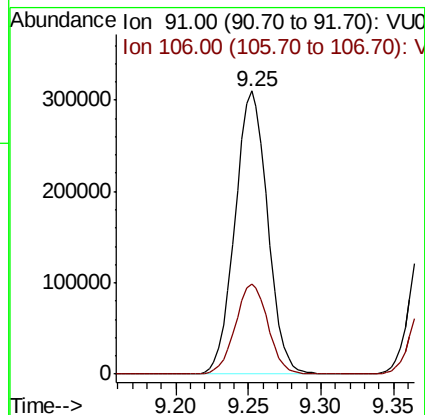
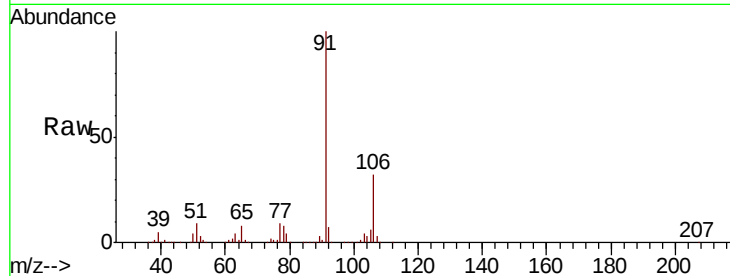
VSTD05056

Tot Ion: 91 Resp: 483257

Ion Ratio Lower Upper

91 100

106 31.9 22.3 41.5



#53

m,p-Xylene

Concen: 46.95 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU026385.D

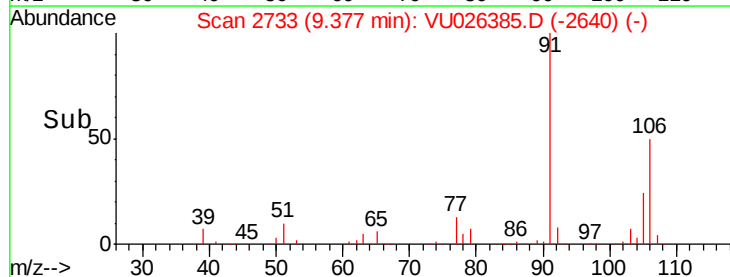
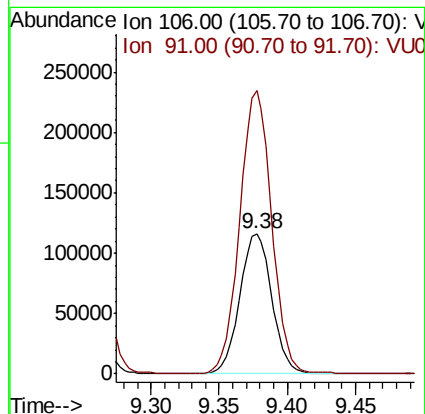
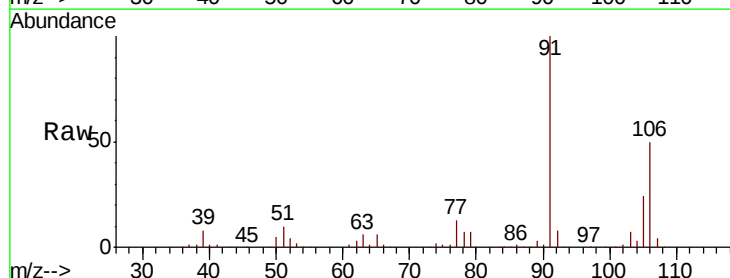
Acq: 25 Aug 2018 20:40

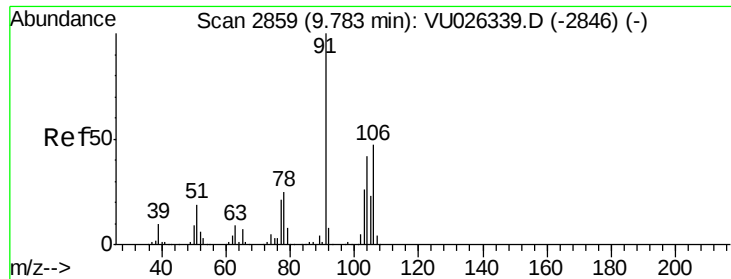
Tgt Ion: 106 Resp: 189407

Ion Ratio Lower Upper

106 100

91 202.0 136.6 253.8

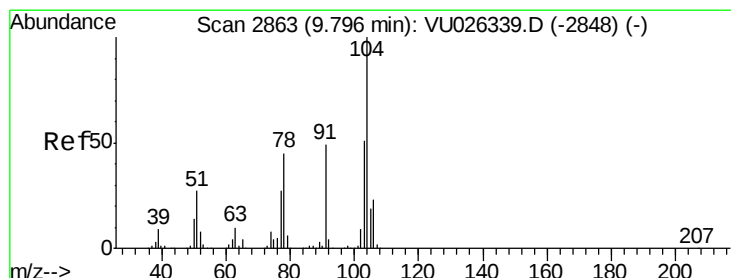
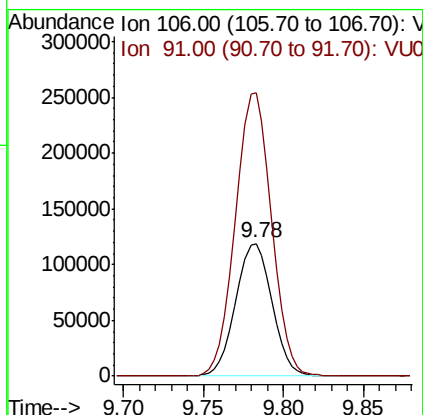
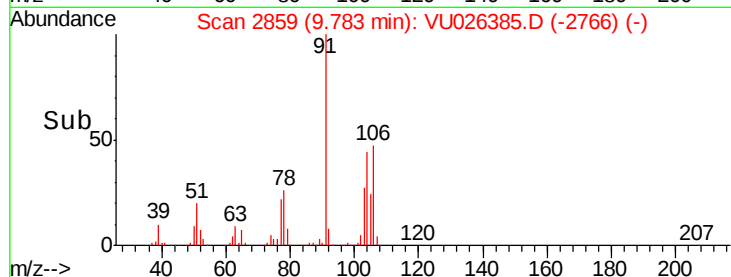
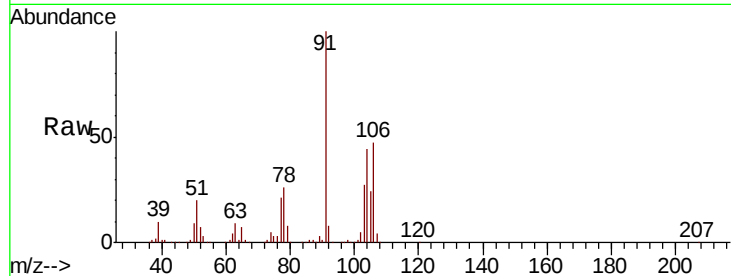




#54
o-xylene
Concen: 46.78 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU026385.D
Acq: 25 Aug 2018 20:40

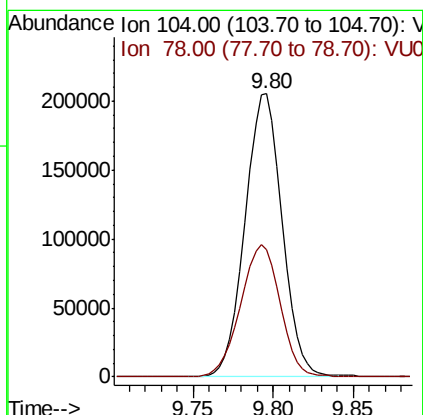
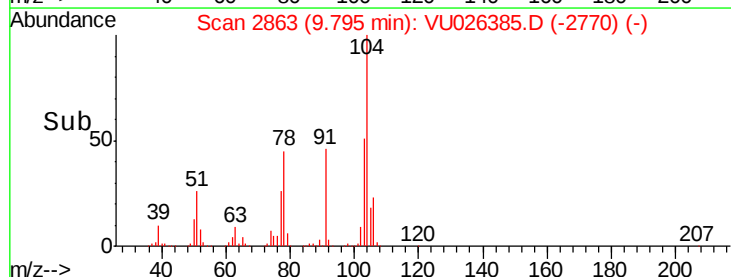
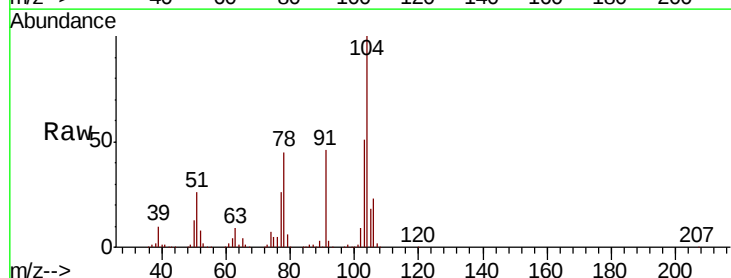
Instrument :
MSVOA_U
ClientSampleId :
VSTD05056

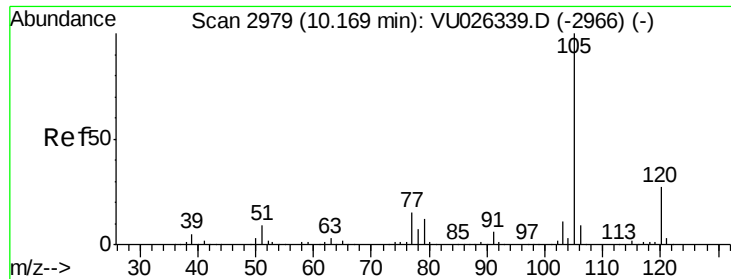
Tot Ion:106 Resp: 184095
Ion Ratio Lower Upper
106 100
91 213.7 151.2 280.8



#55
Styrene
Concen: 48.37 ug/L
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU026385.D
Acq: 25 Aug 2018 20:40

Tgt Ion:104 Resp: 324899
Ion Ratio Lower Upper
104 100
78 44.9 32.3 60.1





#56

Isopropylbenzene

Concen: 46.86 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU026385.D

Acq: 25 Aug 2018 20:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

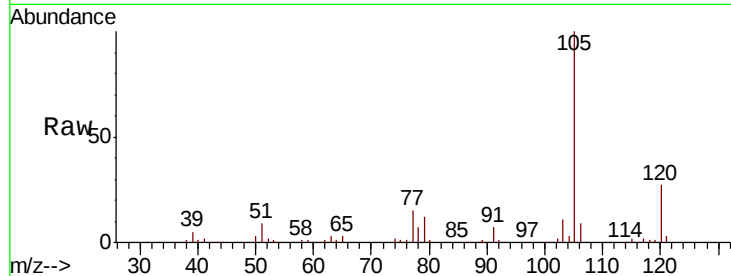
Tot Ion:105 Resp: 478395

Ion Ratio Lower Upper

105 100

120 26.4 21.9 32.9

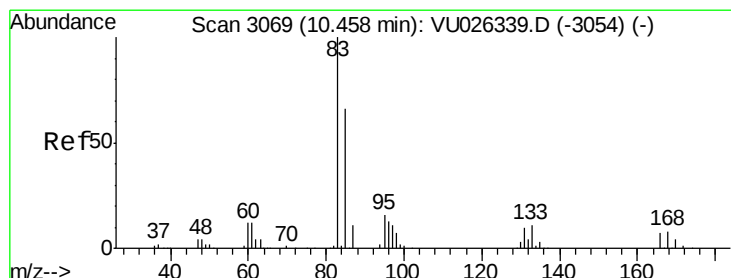
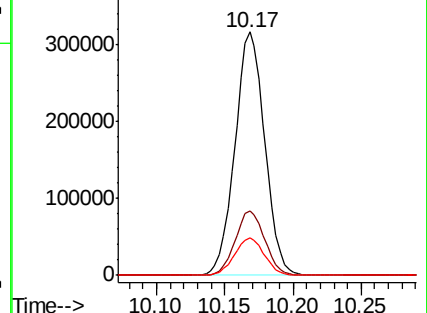
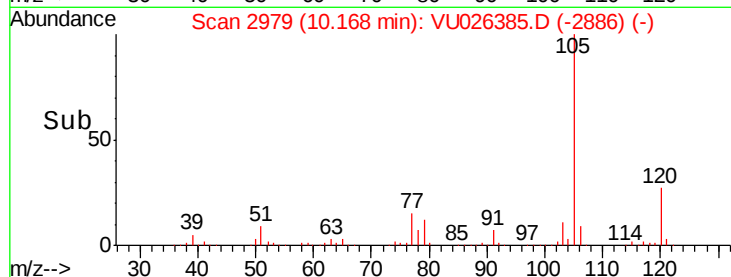
77 15.5 12.4 18.6



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: 45.69 ug/L

RT: 10.46 min Scan# 3069

Delta R.T. -0.00 min

Lab File: VU026385.D

Acq: 25 Aug 2018 20:40

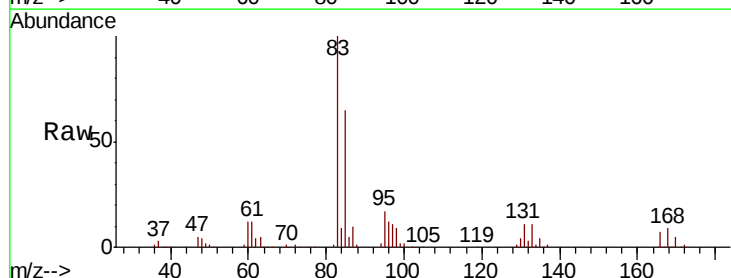
Tgt Ion: 83 Resp: 179790

Ion Ratio Lower Upper

83 100

85 64.9 44.9 83.3

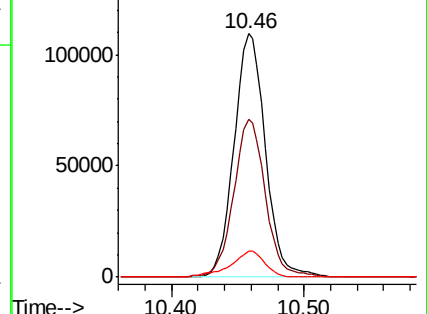
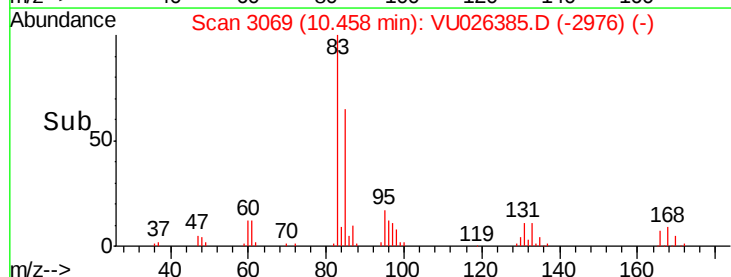
131 10.5 8.2 12.2

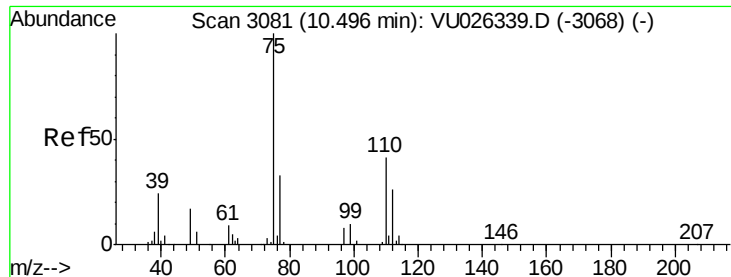


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 44.94 ug/L

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU026385.D

Acq: 25 Aug 2018 20:40

Instrument :

MSVOA_U

ClientSampleId :

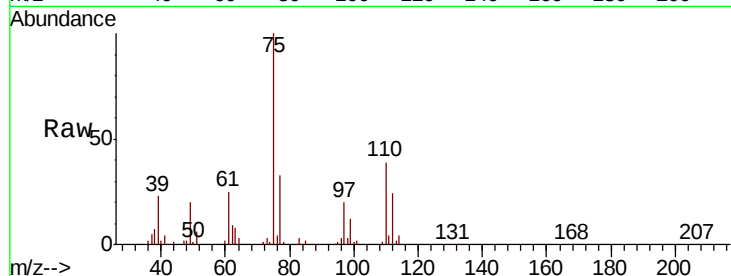
VSTD05056

Tot Ion: 75 Resp: 137882

Ion Ratio Lower Upper

75 100

77 33.2 25.5 38.3

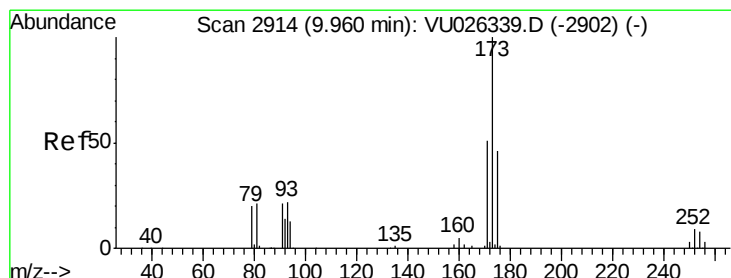
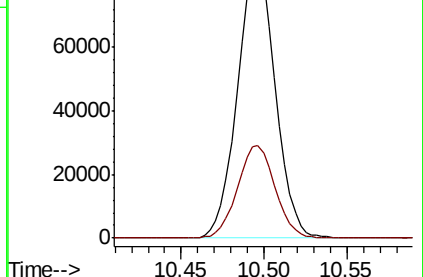
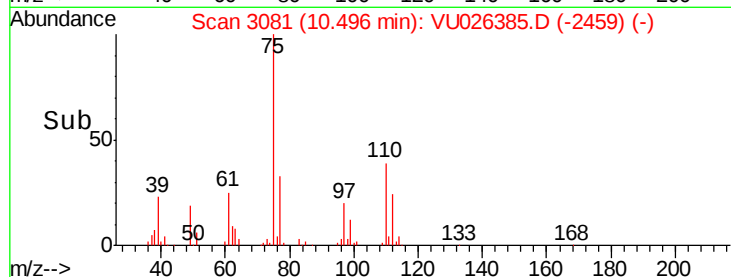


Abundance Ion 75.00 (74.70 to 75.70): VU026339.D (-3068) (-)

Ion 77.00 (76.70 to 77.70): VU026339.D (-3068) (-)

10.50

Time-->



#61

Bromoform

Concen: 44.88 ug/L

RT: 9.96 min Scan# 2914

Delta R.T. -0.00 min

Lab File: VU026385.D

Acq: 25 Aug 2018 20:40

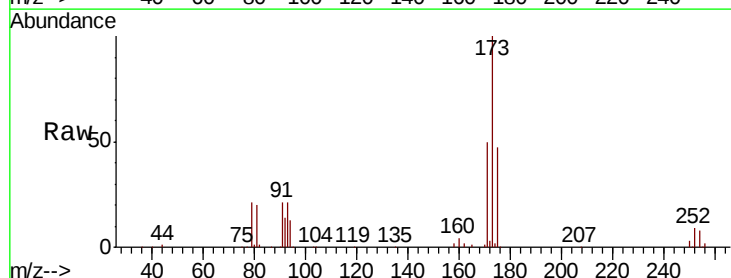
Tgt Ion: 173 Resp: 100484

Ion Ratio Lower Upper

173 100

175 48.1 39.4 59.2

254 8.7 7.0 10.4



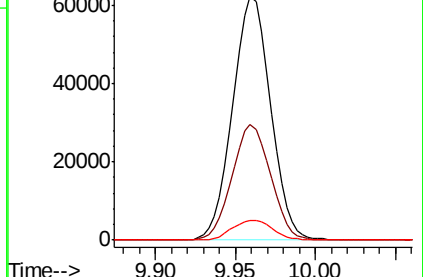
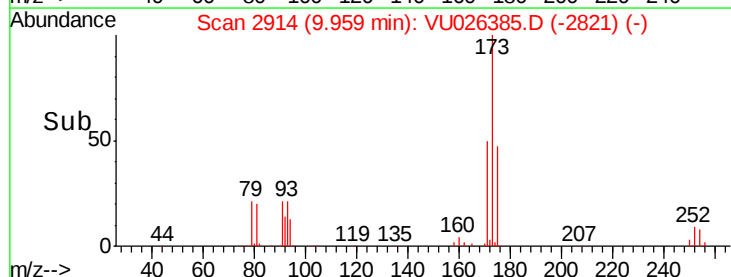
Abundance Ion 173.00 (172.70 to 173.70): VU026339.D (-2902) (-)

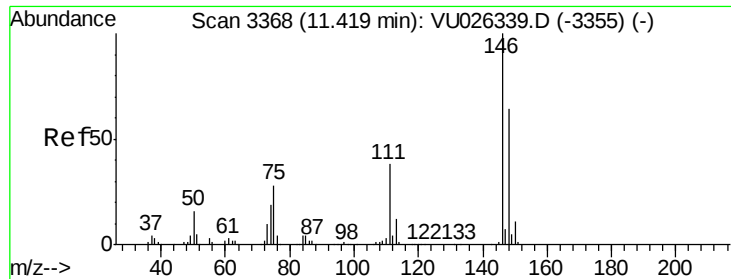
Ion 175.00 (174.70 to 175.70): VU026339.D (-2902) (-)

Ion 254.00 (253.70 to 254.70): VU026339.D (-2902) (-)

9.96

Time-->





#62

1,3-Dichlorobenzene

Concen: 43.98 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU026385.D

Acq: 25 Aug 2018 20:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

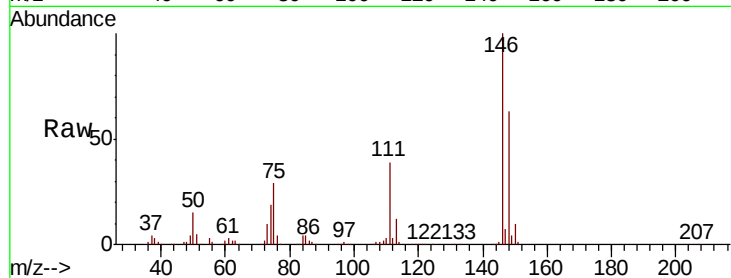
Tot Ion:146 Resp: 234327

Ion Ratio Lower Upper

146 100

111 39.0 26.9 50.1

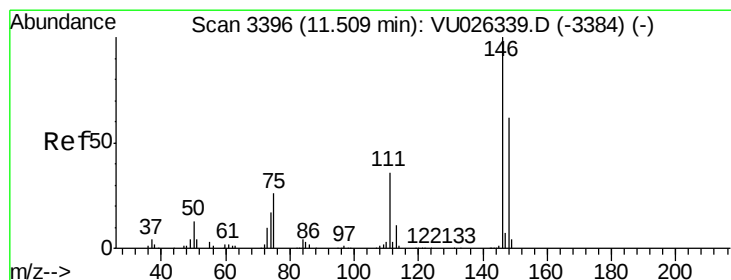
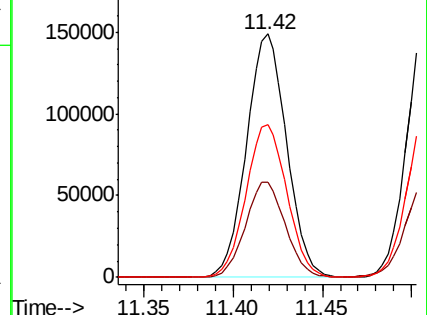
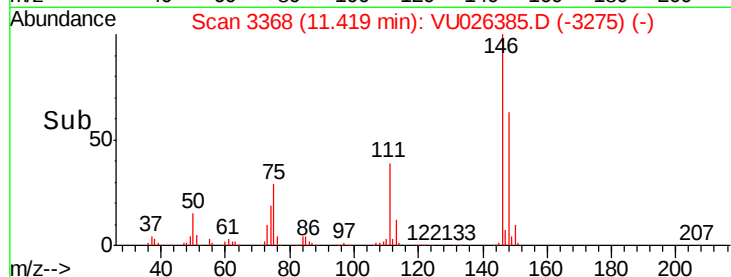
148 62.9 43.7 81.1



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: 44.15 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU026385.D

Acq: 25 Aug 2018 20:40

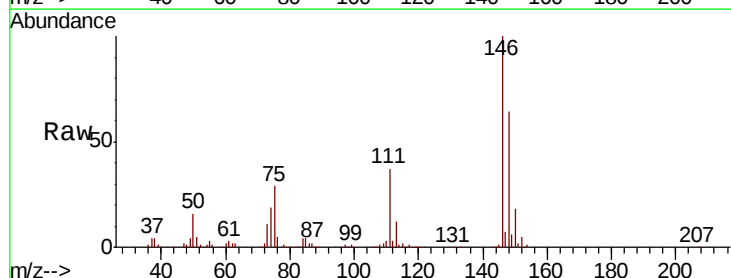
Tgt Ion:146 Resp: 248582

Ion Ratio Lower Upper

146 100

111 36.9 25.9 48.1

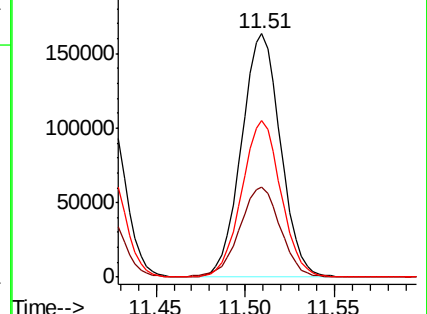
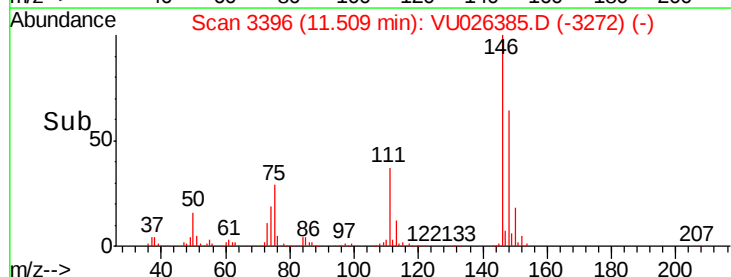
148 64.2 44.5 82.7

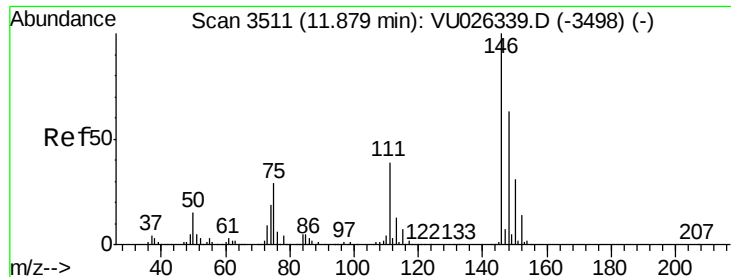


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

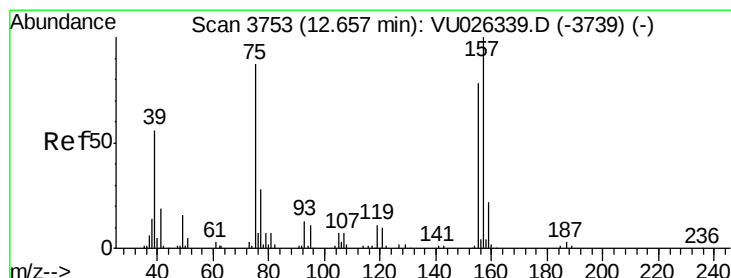
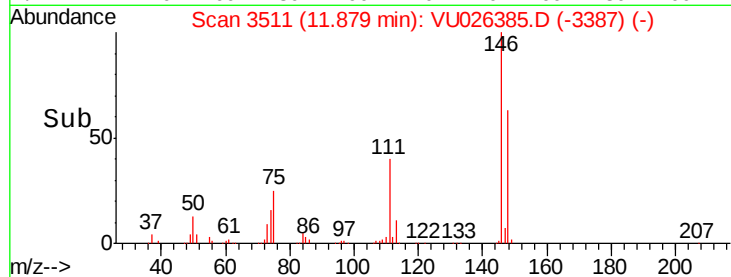
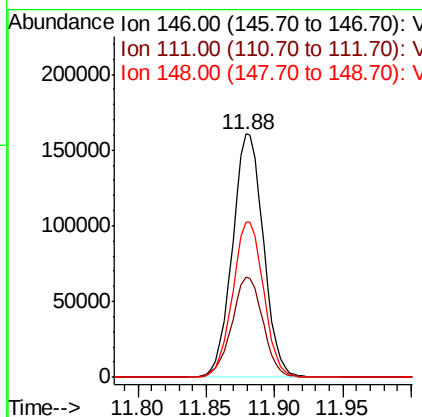
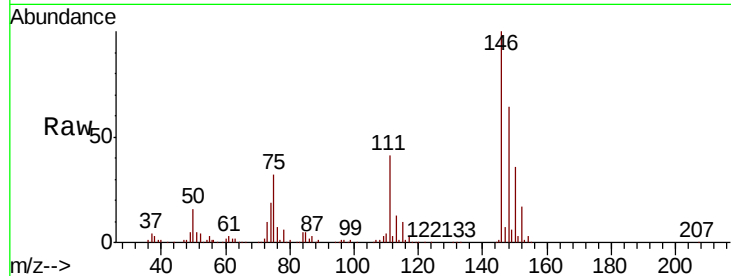




#65
 1,2-Dichlorobenzene
 Concen: 45.17 ug/L
 RT: 11.88 min Scan# 3511
 Delta R.T. -0.00 min
 Lab File: VU026385.D
 Acq: 25 Aug 2018 20:40

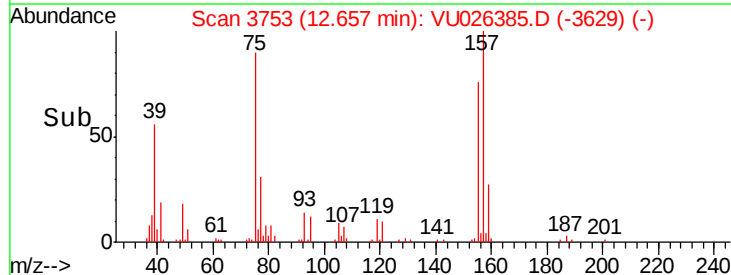
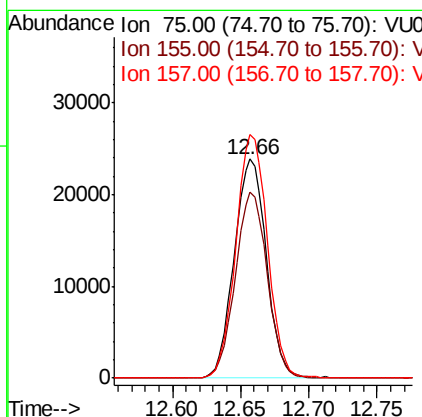
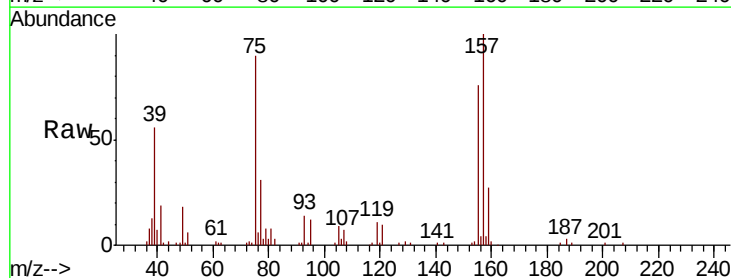
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

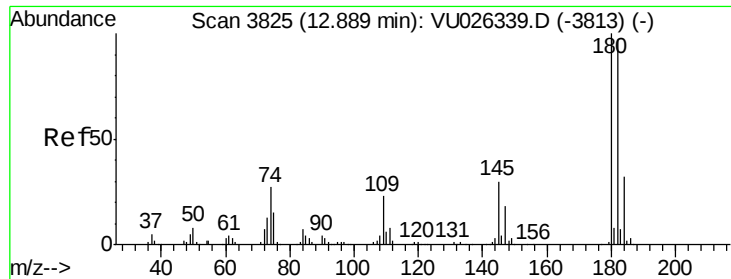
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	32.6	48.8
148	63.6	51.0	76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 41.63 ug/L
 RT: 12.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VU026385.D
 Acq: 25 Aug 2018 20:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.8	65.0	97.6
157	111.3	87.5	131.3

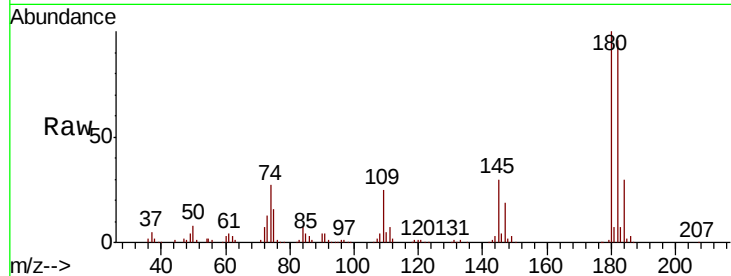




#67
 1,3,5-Trichlorobenzene
 Concen: 44.82 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. -0.00 min
 Lab File: VU026385.D
 Acq: 25 Aug 2018 20:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.9	116.9
184	30.6	24.2	36.4
145	28.8	23.4	35.2



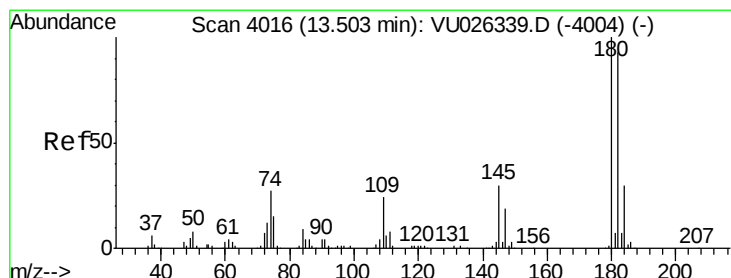
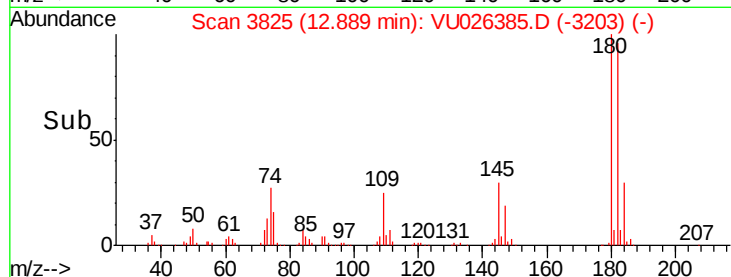
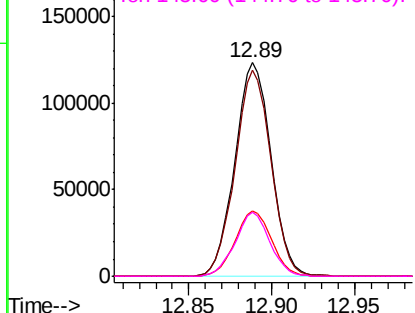
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

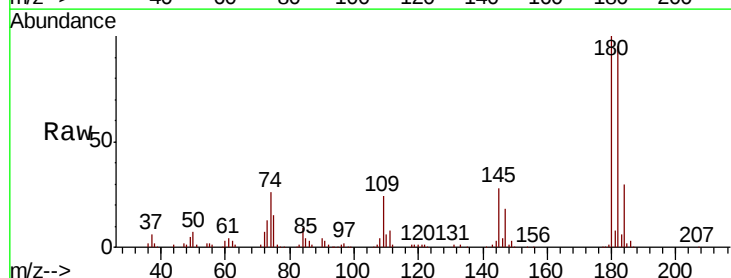
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 44.98 ug/L
 RT: 13.50 min Scan# 4016
 Delta R.T. -0.00 min
 Lab File: VU026385.D
 Acq: 25 Aug 2018 20:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.8	113.6
145	29.7	23.8	35.8

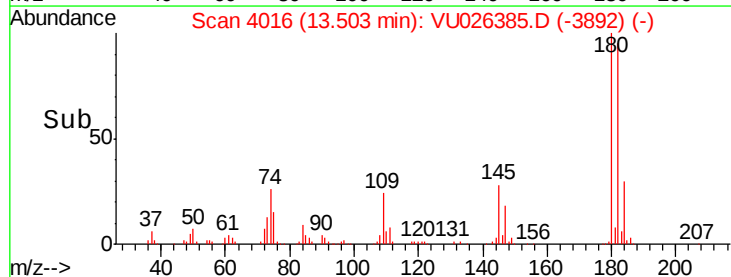
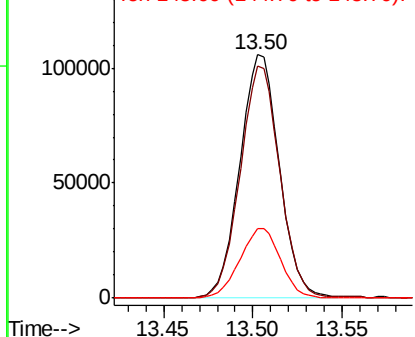


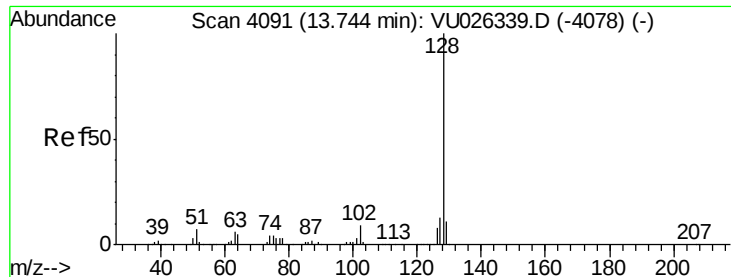
Abundance

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: 46.06 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. -0.00 min

Lab File: VU026385.D

Acq: 25 Aug 2018 20:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD05056

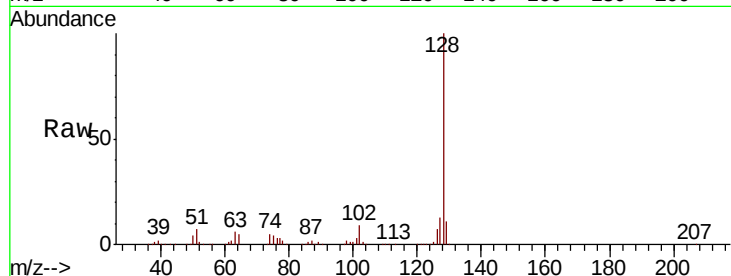
Tot Ion:128 Resp: 500974

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

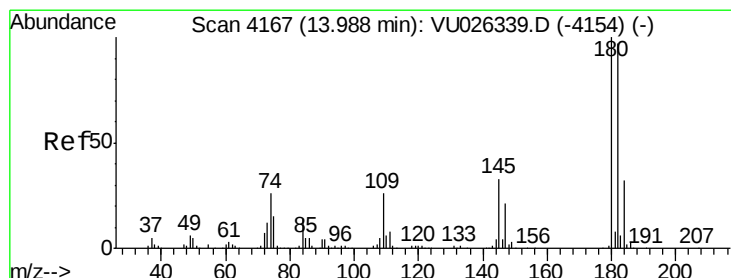
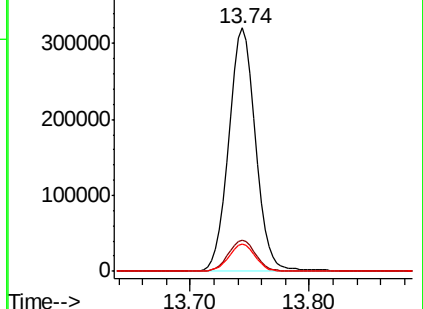
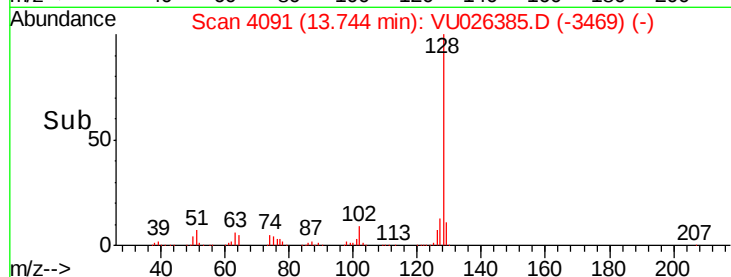
129 11.0 8.4 12.6



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: 46.64 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU026385.D

Acq: 25 Aug 2018 20:40

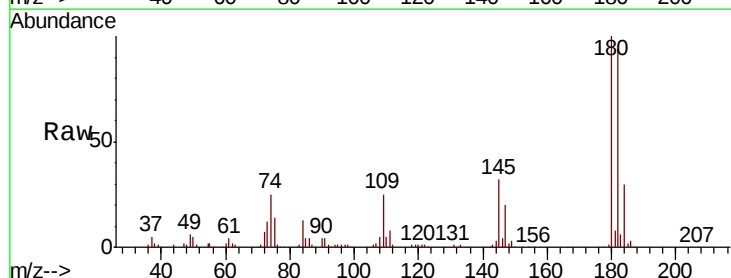
Tgt Ion:180 Resp: 181439

Ion Ratio Lower Upper

180 100

182 94.8 77.6 116.4

145 31.1 26.2 39.2



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

