

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082418\
 Data File : VU026339.D
 Acq On : 24 Aug 2018 17:24
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 25 02:31:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 25 02:29:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	335114	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	322642	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	174567	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	92728	45.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.74%
7) Chloroethane-d5	1.68	69	78876	47.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.64%
11) 1,1-Dichloroethene-d2	2.27	63	186406	46.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.80%
21) 2-Butanone-d5	4.18	46	164352	100.75	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.75%
24) Chloroform-d	4.65	84	224549	49.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.58%
26) 1,2-Dichloroethane-d4	5.31	65	143734	48.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.96%
32) Benzene-d6	5.35	84	428154	49.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.20%
36) 1,2-Dichloropropane-d6	6.33	67	139296	50.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.52%
41) Toluene-d8	7.57	98	411969	49.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.86%
43) trans-1,3-Dichloropropene-	7.85	79	67884	47.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.82%
47) 2-Hexanone-d5	8.31	63	121665	102.72	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.72%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	201427	49.11	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.22%
64) 1,2-Dichlorobenzene-d4	11.86	152	178680	48.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.48%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	120823	45.916	ug/L 100
3) Chloromethane	1.33	50	116841	48.161	ug/L 99
5) Vinyl chloride	1.40	62	116403	47.622	ug/L 97
6) Bromomethane	1.63	94	63156	41.555	ug/L 99
8) Chloroethane	1.70	64	67466	48.131	ug/L 98
9) Trichlorofluoromethane	1.89	101	167887	48.494	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	91230	47.490	ug/L 98
12) 1,1-Dichloroethene	2.28	96	84187	47.731	ug/L 95
13) Acetone	2.32	43	103986	82.362	ug/L 100
14) Carbon disulfide	2.48	76	297292	43.936	ug/L 100
15) Methyl Acetate	2.62	43	114359	47.065	ug/L 99
16) Methylene chloride	2.70	84	111968	47.173	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	104306	47.978	ug/L 96
18) Methyl tert-butyl Ether	3.00	73	318231	48.862	ug/L 99
19) 1,1-Dichloroethane	3.45	63	193690	48.924	ug/L 99
20) cis-1,2-Dichloroethene	4.23	96	115981	48.331	ug/L 93
22) 2-Butanone	4.27	43	154501	91.465	ug/L 100

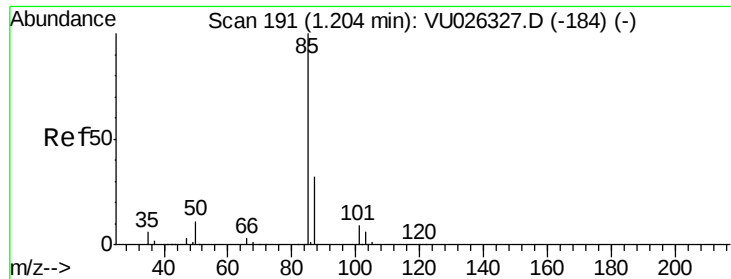
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082418\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	60942	47.486	ug/L	98
25) Chloroform	4.68	83	201338	47.638	ug/L	100
27) 1,2-Dichloroethane	5.41	62	163252	48.489	ug/L	99
29) Cyclohexane	5.00	56	159330	48.153	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	183542	48.962	ug/L	98
31) Carbon tetrachloride	5.14	117	166109	47.132	ug/L	100
33) Benzene	5.39	78	431556	49.062	ug/L	100
34) Trichloroethene	6.19	95	114805	49.358	ug/L	97
35) Methylcyclohexane	6.42	83	171471	48.210	ug/L	99
37) 1,2-Dichloropropane	6.44	63	117592	48.917	ug/L	100
38) Bromodichloromethane	6.76	83	152204	47.351	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	170144	46.597	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	297140	97.530	ug/L	99
42) Toluene	7.64	91	465892	49.779	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	168720	48.023	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	111062	48.907	ug/L	98
46) Tetrachloroethene	8.23	164	100123	50.027	ug/L	97
48) 2-Hexanone	8.36	43	233555	95.255	ug/L	98
49) Dibromochloromethane	8.48	129	131452	47.101	ug/L	99
50) 1,2-Dibromoethane	8.59	107	120905	48.238	ug/L	100
51) Chlorobenzene	9.12	112	305641	47.746	ug/L	99
52) Ethylbenzene	9.25	91	500858	49.132	ug/L	100
53) m,p-Xylene	9.38	106	198775	50.449	ug/L	97
54) o-xylene	9.78	106	193801	50.426	ug/L	98
55) Styrene	9.80	104	331390	50.514	ug/L	98
56) Isopropylbenzene	10.17	105	506428	50.794	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	182506	47.486	ug/L	98
59) 1,2,3-Trichloropropane	10.50	75	144127	48.092	ug/L	100
61) Bromoform	9.96	173	100312	46.387	ug/L	97
62) 1,3-Dichlorobenzene	11.42	146	246081	47.821	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	257187	47.301	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	260936	48.211	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	40418	44.702	ug/L	93
67) 1,3,5-Trichlorobenzene	12.89	180	195006	48.277	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	172656	48.965	ug/L	99
69) Naphthalene	13.74	128	528156	50.278	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	184104	49.005	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 45.916 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU026339.D

Acq: 24 Aug 2018 17:24

Instrument :

MSVOA_U

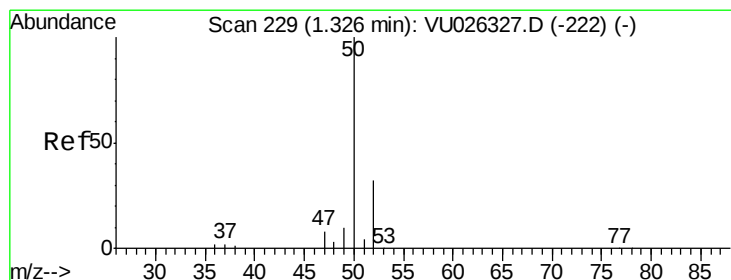
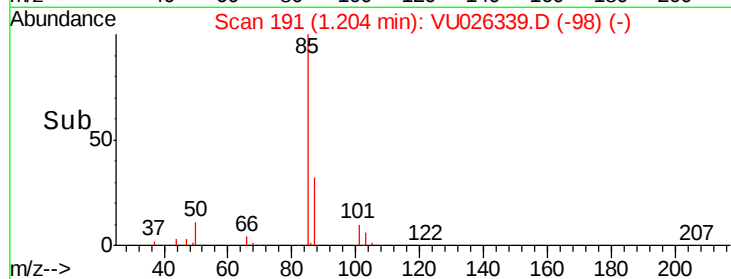
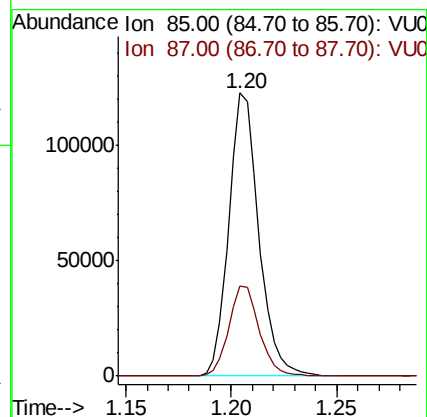
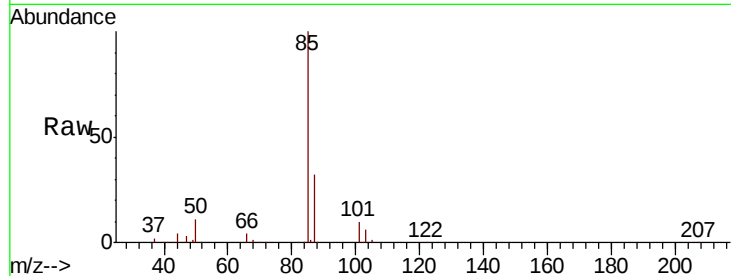
ClientSampleId :

Tot Ion: 85 Resp: 120823

Ion Ratio Lower Upper

85 100

87 32.6 25.9 38.9



#3

Chloromethane

Concen: 48.161 ug/L

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU026339.D

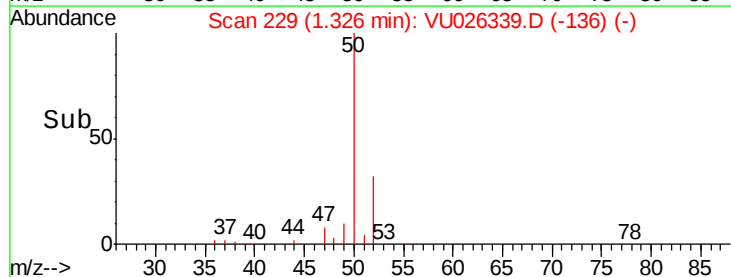
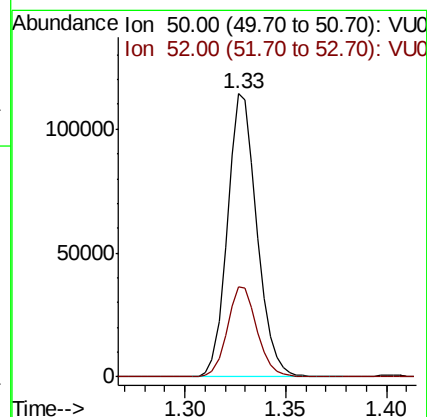
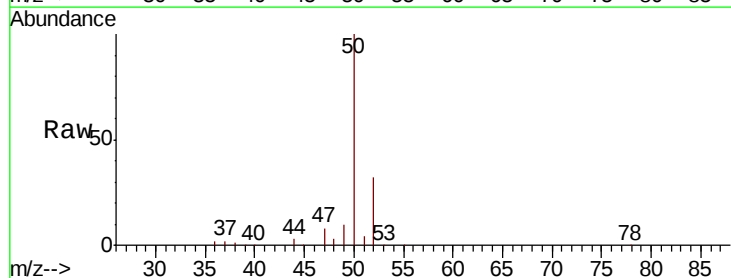
Acq: 24 Aug 2018 17:24

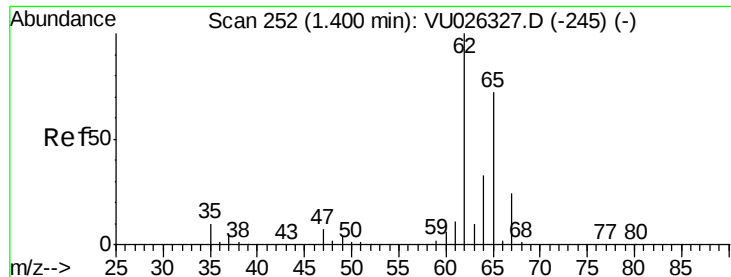
Tgt Ion: 50 Resp: 116841

Ion Ratio Lower Upper

50 100

52 31.8 22.6 42.0





#5

Vinyl chloride

Concen: 47.622 ug/L

RT: 1.40 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU026339.D

Acq: 24 Aug 2018 17:24

Instrument :

MSVOA_U

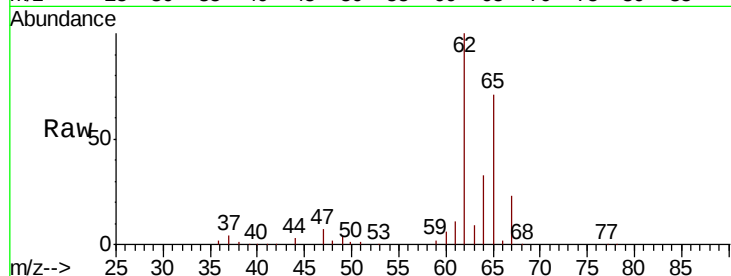
ClientSampleId :

Tot Ion: 62 Resp: 116403

Ion Ratio Lower Upper

62 100

64 32.9 24.2 45.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

120000

100000

80000

60000

40000

20000

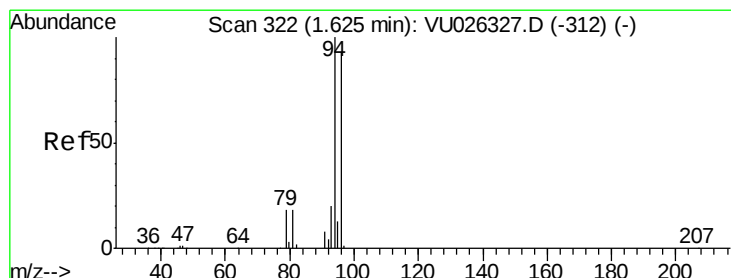
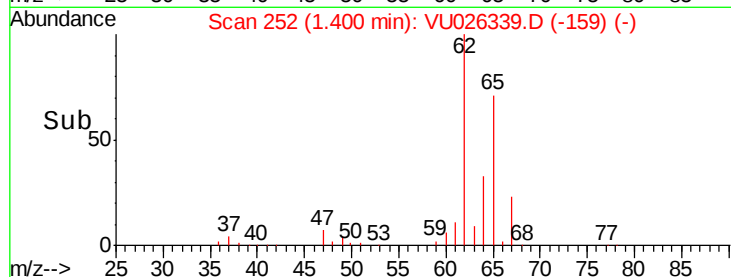
0

1.35

1.40

1.45

Time-->



#6

Bromomethane

Concen: 41.555 ug/L

RT: 1.63 min Scan# 322

Delta R.T. -0.00 min

Lab File: VU026339.D

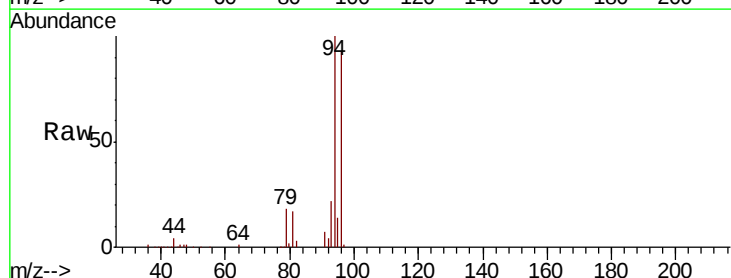
Acq: 24 Aug 2018 17:24

Tgt Ion: 94 Resp: 63156

Ion Ratio Lower Upper

94 100

96 92.7 65.9 122.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

50000

40000

30000

20000

10000

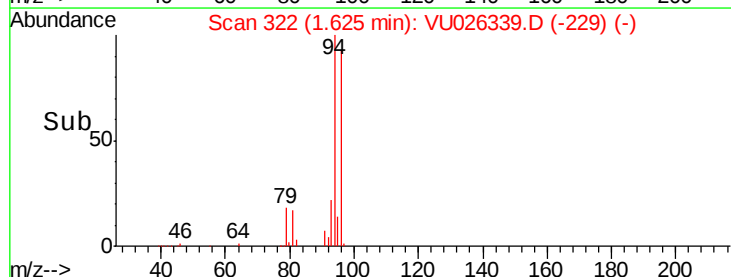
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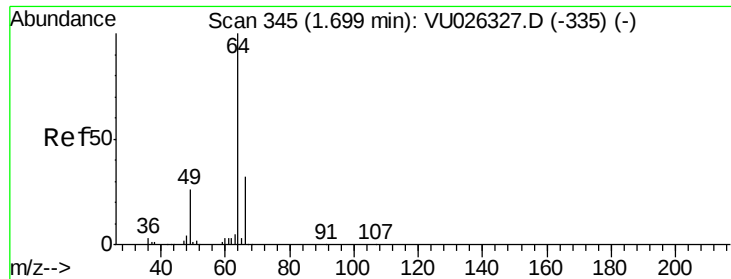
1.60

1.63

1.70

Time-->





#8

Chloroethane

Concen: 48.131 ug/L

RT: 1.70 min Scan# 344

Delta R.T. -0.00 min

Lab File: VU026339.D

Acq: 24 Aug 2018 17:24

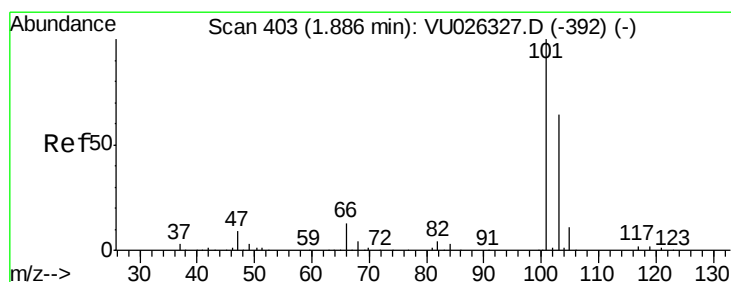
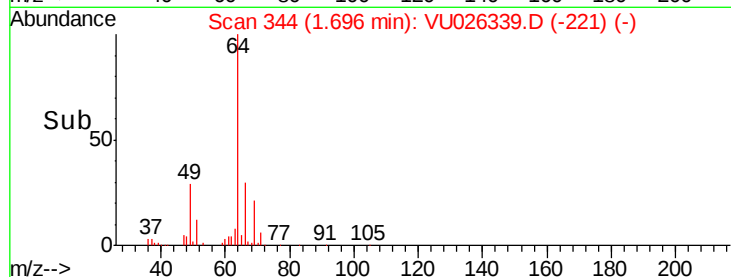
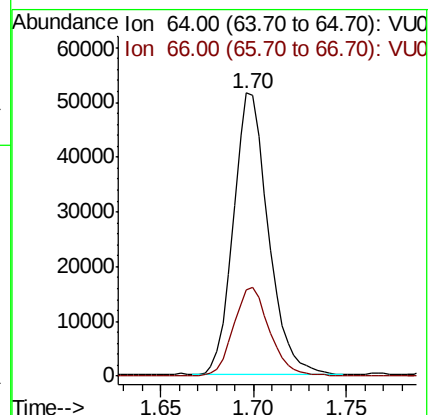
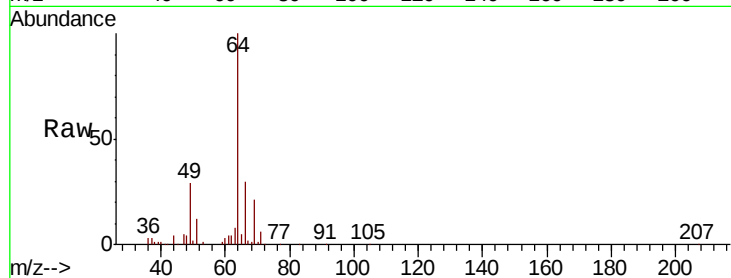
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 64 Resp: 67466

Ion Ratio Lower Upper

64 100

66 30.4 21.9 40.7



#9

Trichlorofluoromethane

Concen: 48.494 ug/L

RT: 1.89 min Scan# 403

Delta R.T. -0.00 min

Lab File: VU026339.D

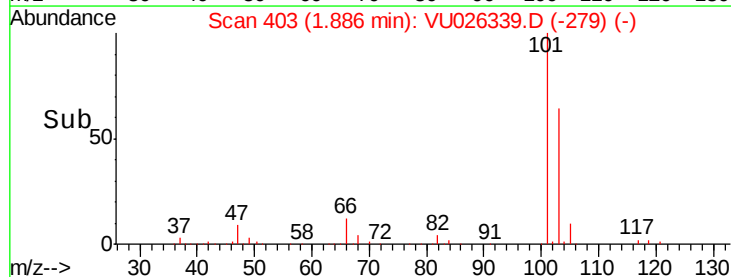
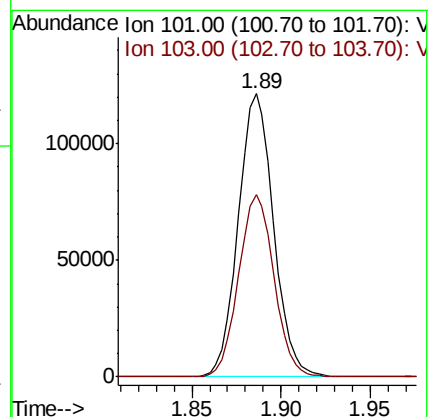
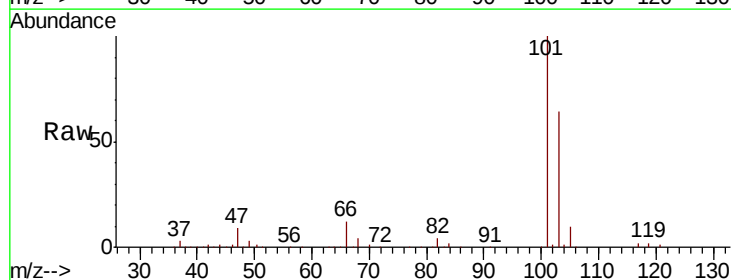
Acq: 24 Aug 2018 17:24

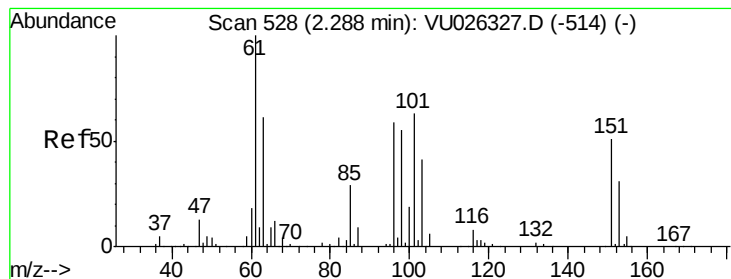
Tgt Ion:101 Resp: 167887

Ion Ratio Lower Upper

101 100

103 64.6 51.7 77.5





#10

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

Concen: 47.490 ug/L

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU026339.D

Acq: 24 Aug 2018 17:24

Instrument :

MSVOA_U

ClientSampleId :

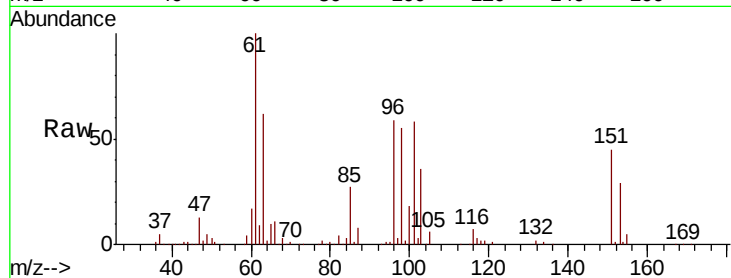
Tot Ion: 101 Resp: 91230

Ion Ratio Lower Upper

101 100

85 44.7 35.8 53.6

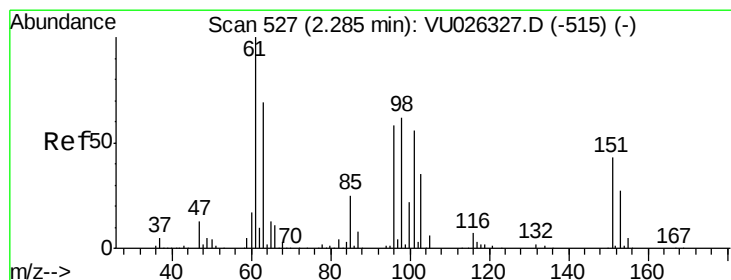
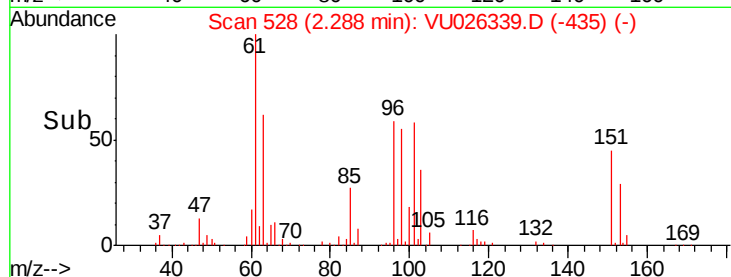
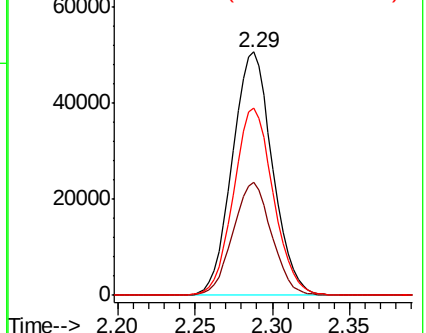
151 76.3 63.3 94.9



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: 47.731 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU026339.D

Acq: 24 Aug 2018 17:24

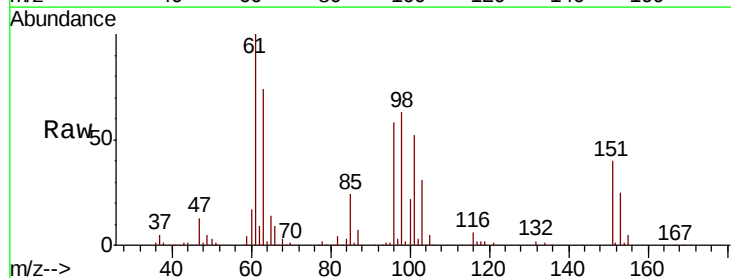
Tgt Ion: 96 Resp: 84187

Ion Ratio Lower Upper

96 100

61 172.4 124.7 231.5

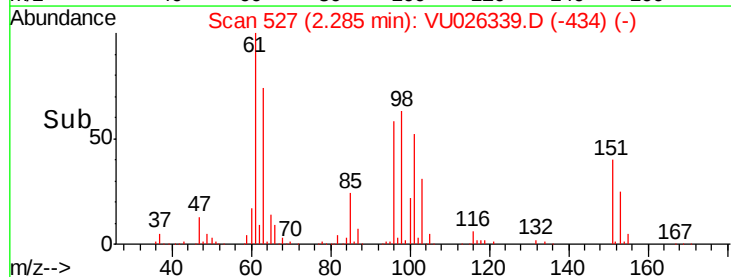
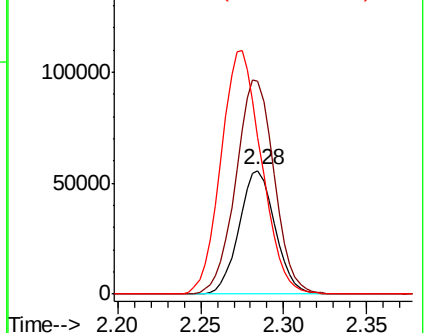
63 127.0 93.7 174.1

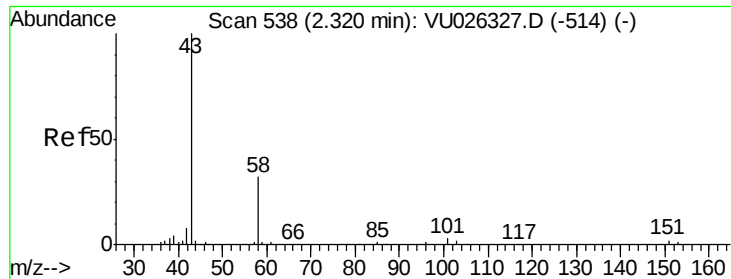


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 82.362 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU026339.D

Acq: 24 Aug 2018 17:24

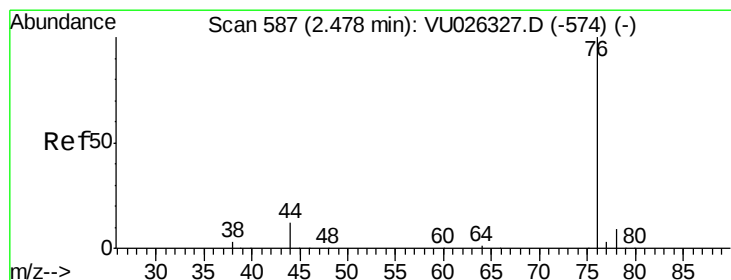
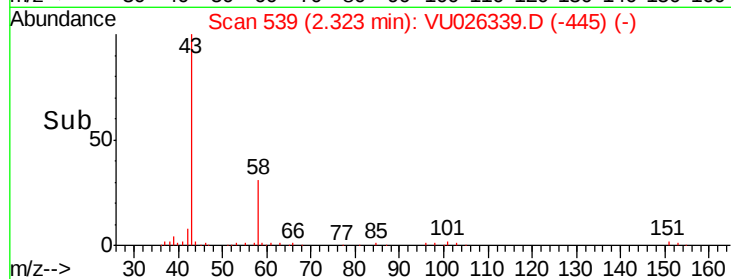
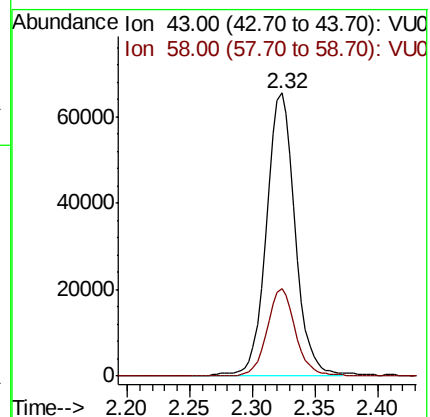
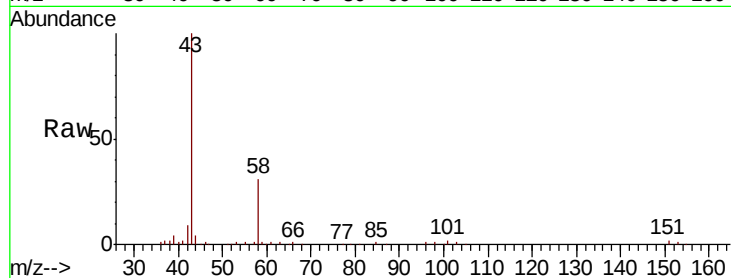
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 103986

Ion Ratio Lower Upper

43 100

58 30.5 0.0 61.2



#14

Carbon disulfide

Concen: 43.936 ug/L

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU026339.D

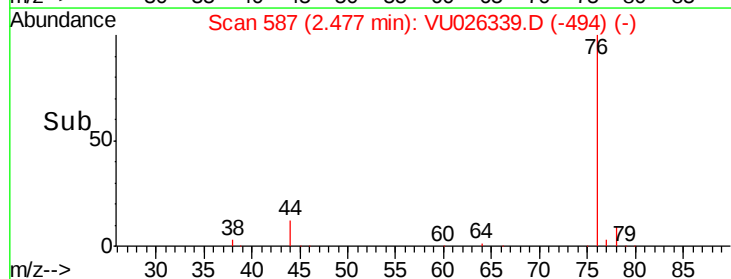
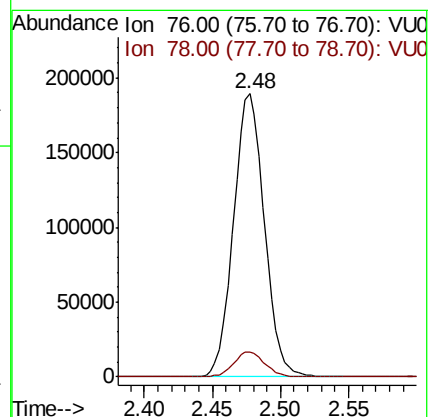
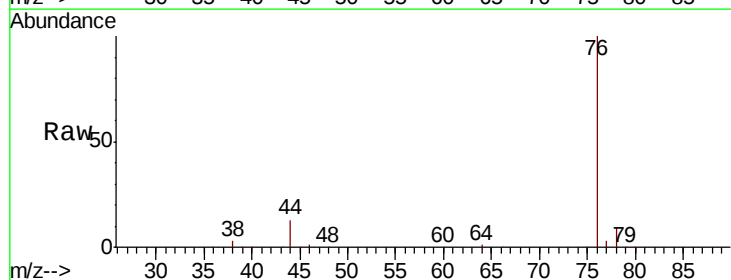
Acq: 24 Aug 2018 17:24

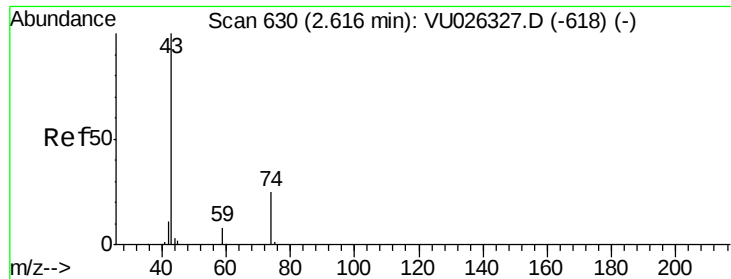
Tgt Ion: 76 Resp: 297292

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8





#15

Methvl Acetate

Concen: 47.065 ug/L

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU026339.D

Acq: 24 Aug 2018 17:24

Instrument :

MSVOA_U

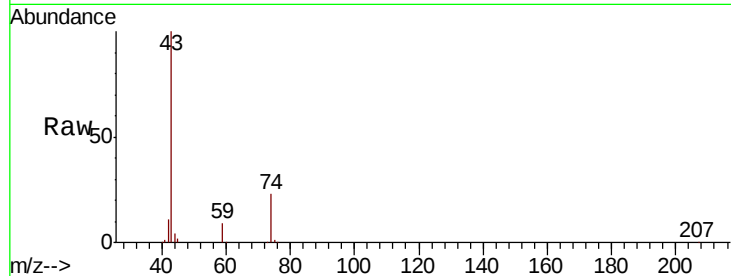
ClientSampleId :

Tot Ion: 43 Resp: 114359

Ion Ratio Lower Upper

43 100

74 23.8 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.62

60000

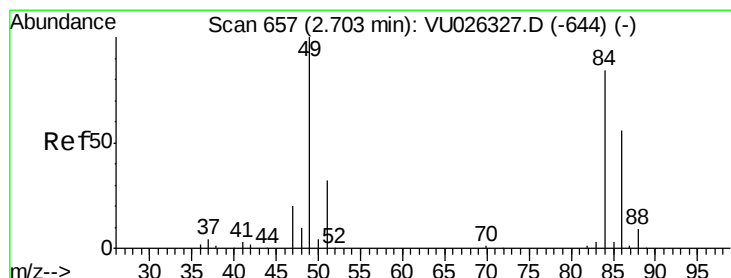
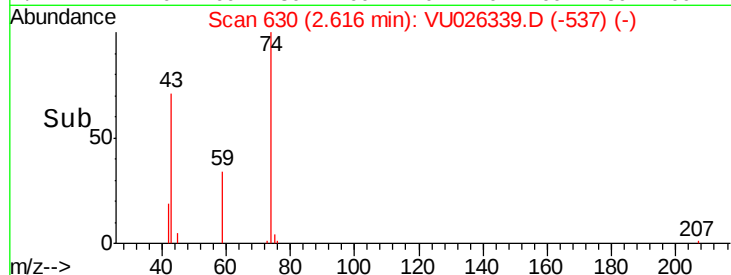
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20000

0

Time-->

2.55 2.60 2.65



#16

Methylene chloride

Concen: 47.173 ug/L

RT: 2.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: VU026339.D

Acq: 24 Aug 2018 17:24

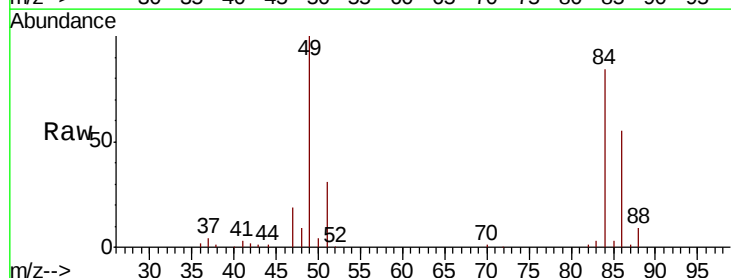
Tgt Ion: 84 Resp: 111968

Ion Ratio Lower Upper

84 100

86 65.7 45.4 84.4

49 118.7 85.3 158.5



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

100000

80000

60000

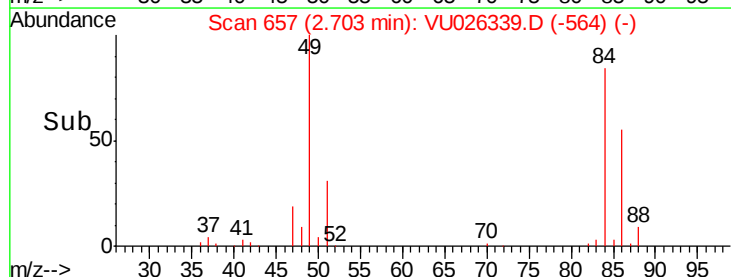
40000

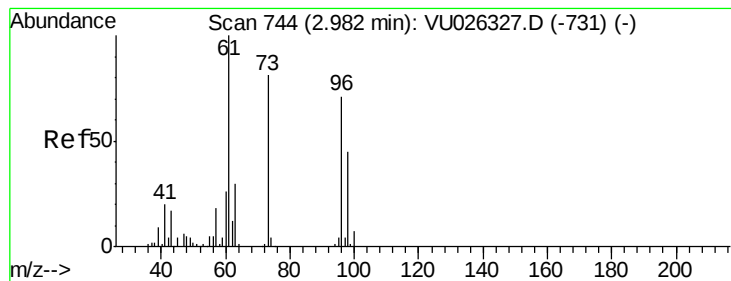
20000

0

Time-->

2.65 2.70 2.75 2.80





#17

trans-1,2-Dichloroethene

Concen: 47.978 ug/L

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU026339.D

Acq: 24 Aug 2018 17:24

Instrument :
MSVOA_U
ClientSampled :

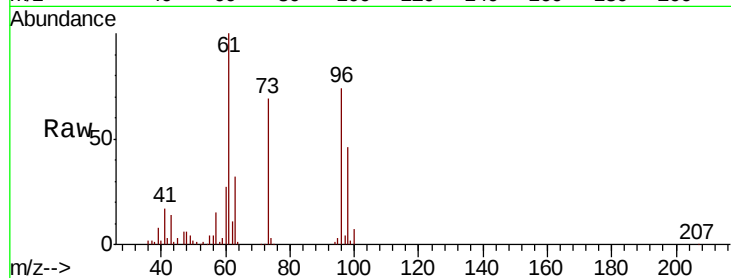
Tot Ion: 96 Resp: 104306

Ion Ratio Lower Upper

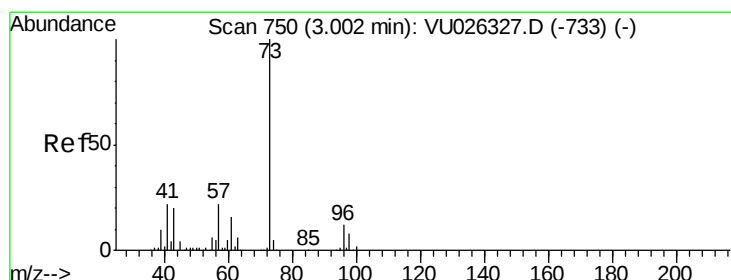
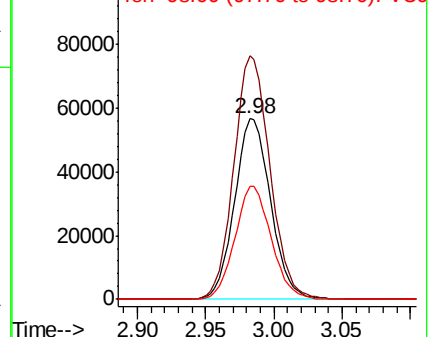
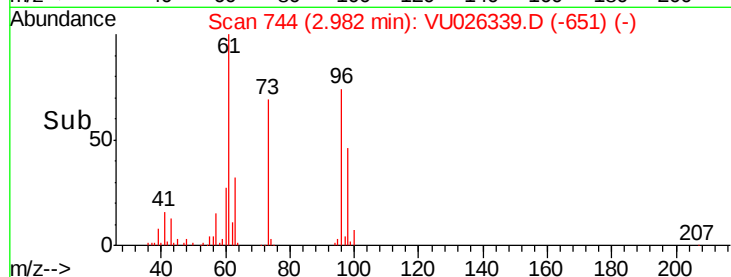
96 100

61 134.8 97.9 181.9

98 62.5 45.1 83.7



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: 48.862 ug/L

RT: 3.00 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU026339.D

Acq: 24 Aug 2018 17:24

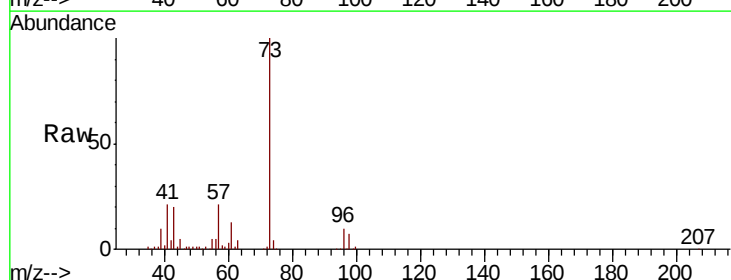
Tgt Ion: 73 Resp: 318231

Ion Ratio Lower Upper

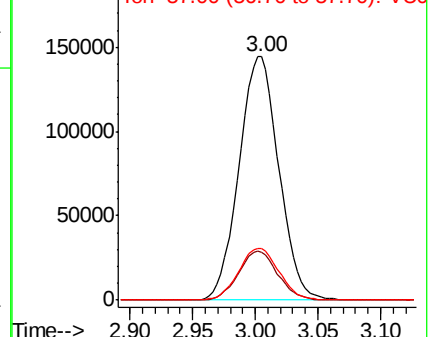
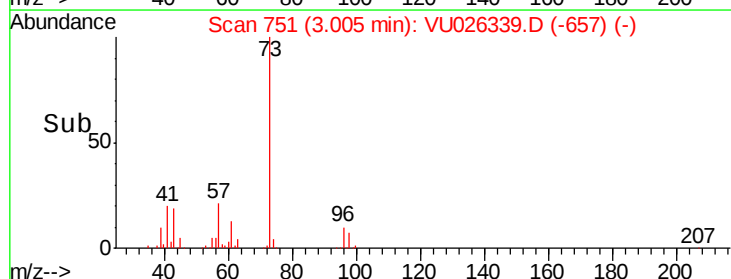
73 100

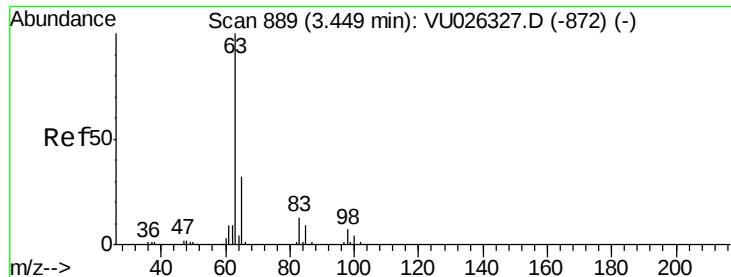
43 19.8 15.7 23.5

57 21.5 17.5 26.3



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

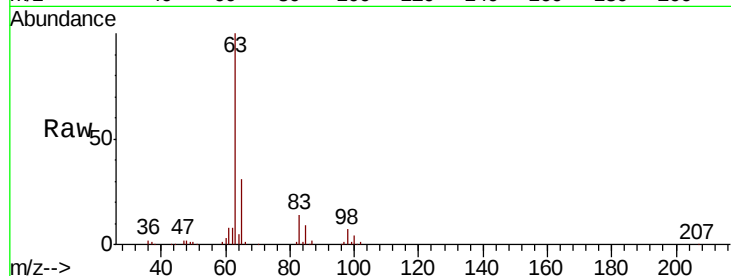




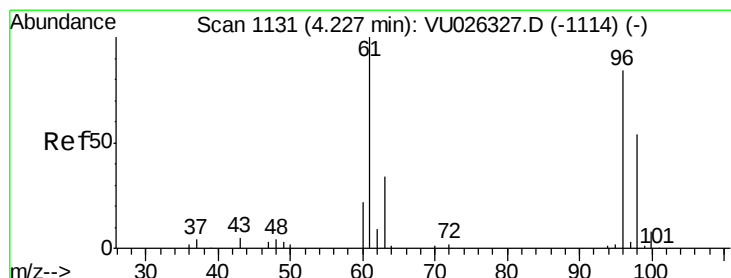
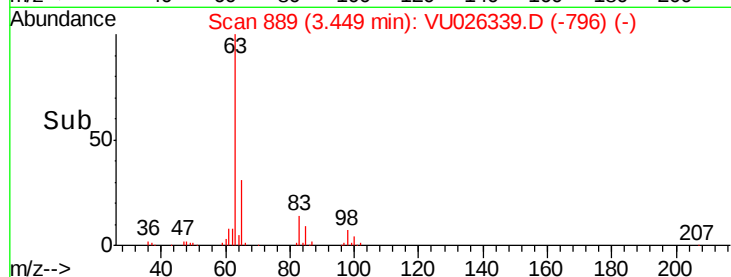
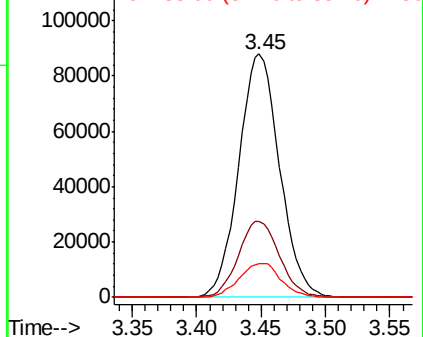
#19
 1,1-Dichloroethane
 Concen: 48.924 ug/L
 RT: 3.45 min Scan# 889
 Delta R.T. -0.00 min
 Lab File: VU026339.D
 Acq: 24 Aug 2018 17:24

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 63 Resp: 193690
 Ion Ratio Lower Upper
 63 100
 65 30.9 21.4 39.8
 83 13.8 9.2 17.2

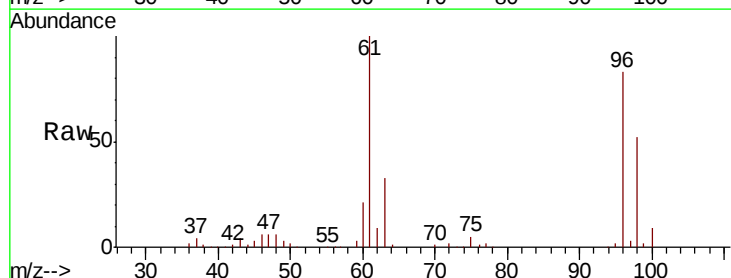


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

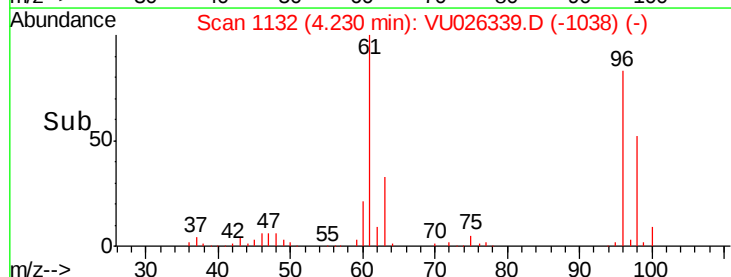
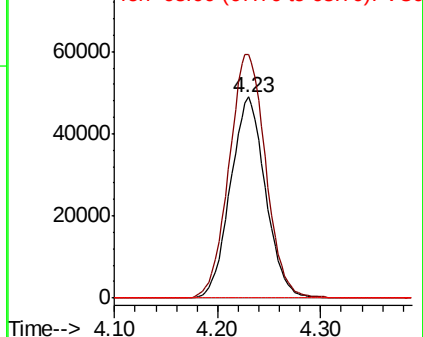


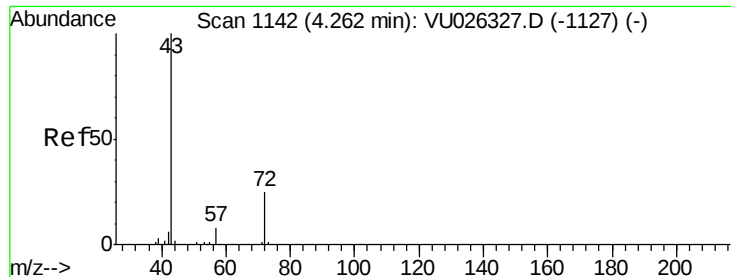
#20
 cis-1,2-Dichloroethene
 Concen: 48.331 ug/L
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU026339.D
 Acq: 24 Aug 2018 17:24

Tgt Ion: 96 Resp: 115981
 Ion Ratio Lower Upper
 96 100
 61 121.0 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: 91.465 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU026339.D

Acq: 24 Aug 2018 17:24

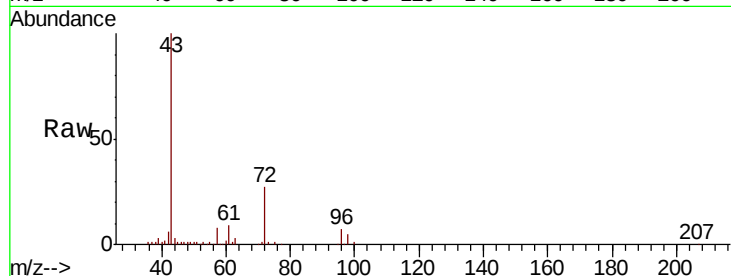
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 154501

Ion Ratio Lower Upper

43 100

72 28.3 14.1 42.3



Abundance Ion 43.00 (42.70 to 43.70): VU026327.D (-1127) (-)

Ion 72.00 (71.70 to 72.70): VU026327.D (-1127) (-)

4.27

60000

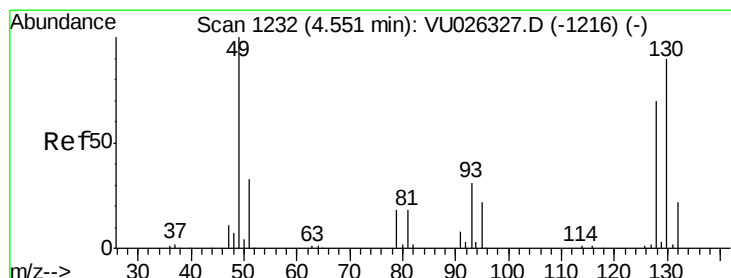
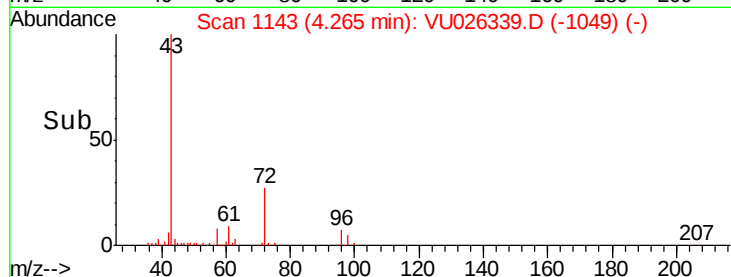
40000

20000

0

4.20 4.30 4.40

Time-->



#23

Bromochloromethane

Concen: 47.486 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU026339.D

Acq: 24 Aug 2018 17:24

Tgt Ion: 128 Resp: 60942

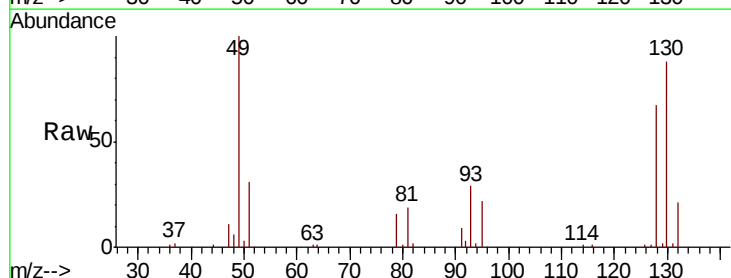
Ion Ratio Lower Upper

128 100

49 148.6 106.7 198.3

130 130.4 91.7 170.3

51 46.2 38.0 57.0



Abundance Ion 128.00 (127.70 to 128.70): VU026327.D (-1216) (-)

Ion 49.00 (48.70 to 49.70): VU026327.D (-1216) (-)

Ion 130.00 (129.70 to 130.70): VU026327.D (-1216) (-)

Ion 51.00 (50.70 to 51.70): VU026327.D (-1216) (-)

4.55

60000

50000

40000

30000

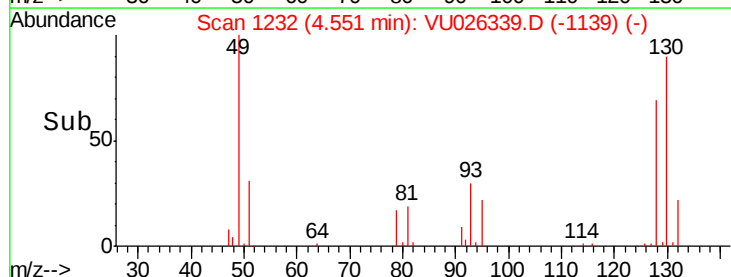
20000

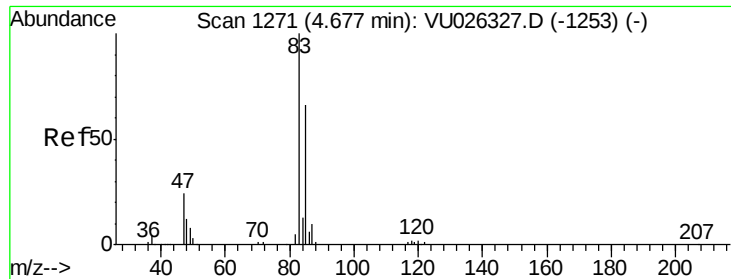
10000

0

4.45 4.50 4.55 4.60 4.65

Time-->





#25

Chloroform

Concen: 47.638 ug/L

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU026339.D

Acq: 24 Aug 2018 17:24

Instrument :

MSVOA_U

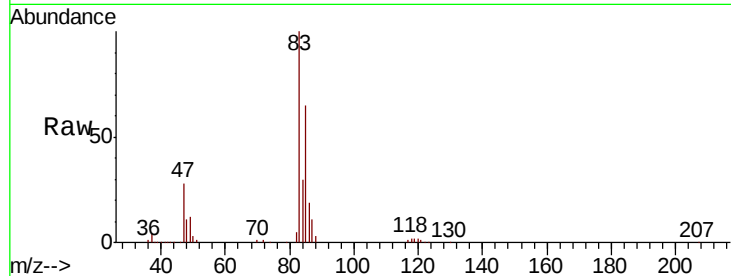
ClientSampleId :

Tot Ion: 83 Resp: 201338

Ion Ratio Lower Upper

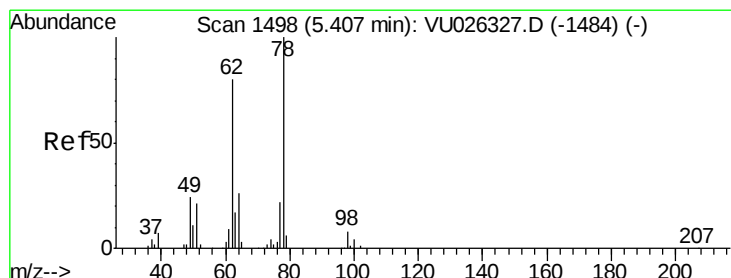
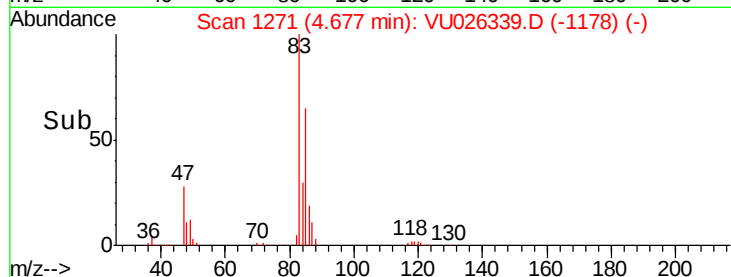
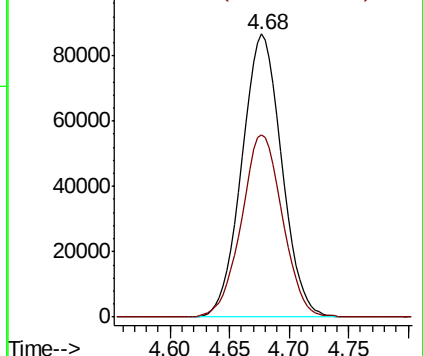
83 100

85 64.6 45.0 83.6



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#27

1,2-Dichloroethane

Concen: 48.489 ug/L

RT: 5.41 min Scan# 1498

Delta R.T. -0.00 min

Lab File: VU026339.D

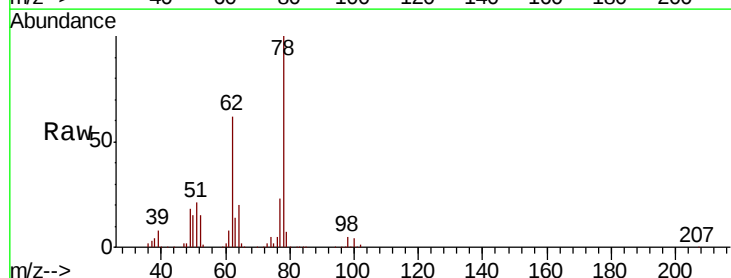
Acq: 24 Aug 2018 17:24

Tgt Ion: 62 Resp: 163252

Ion Ratio Lower Upper

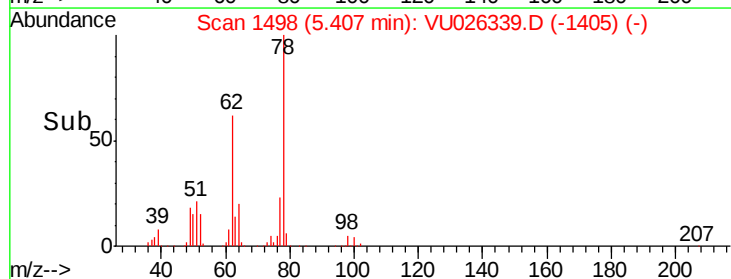
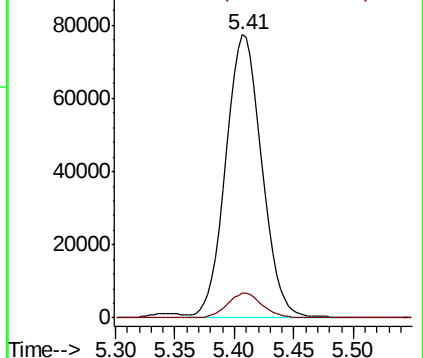
62 100

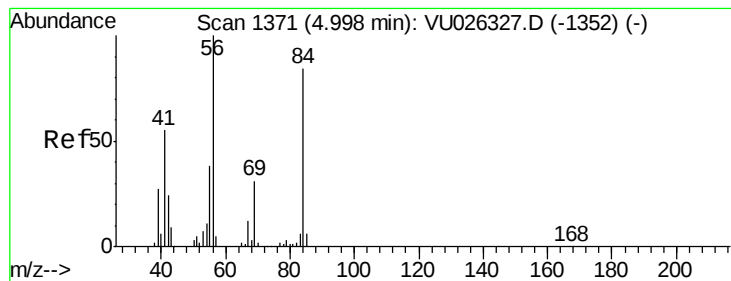
98 8.6 7.2 10.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#29

Cyclohexane

Concen: 48.153 ug/L

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU026339.D

Acq: 24 Aug 2018 17:24

Instrument :
MSVOA_U
ClientSampled :

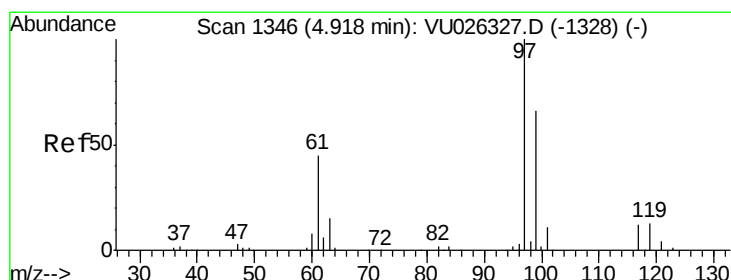
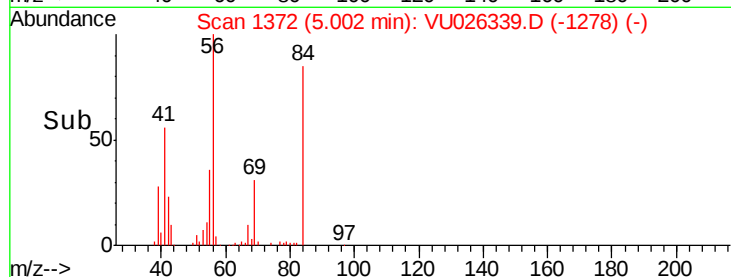
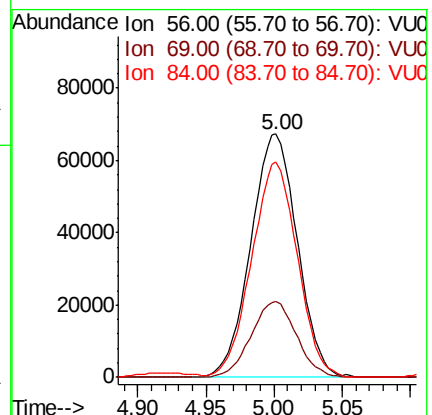
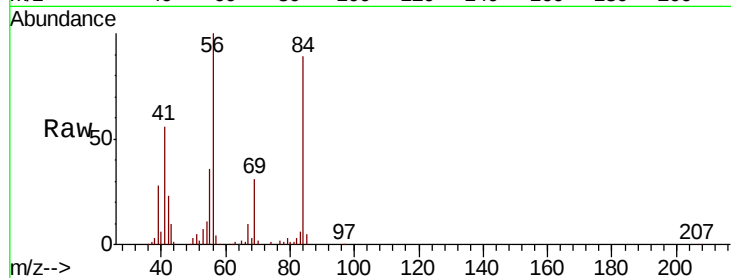
Tot Ion: 56 Resp: 159330

Ion Ratio Lower Upper

56 100

69 30.5 24.6 37.0

84 87.2 70.1 105.1



#30

1,1,1-Trichloroethane

Concen: 48.962 ug/L

RT: 4.92 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VU026339.D

Acq: 24 Aug 2018 17:24

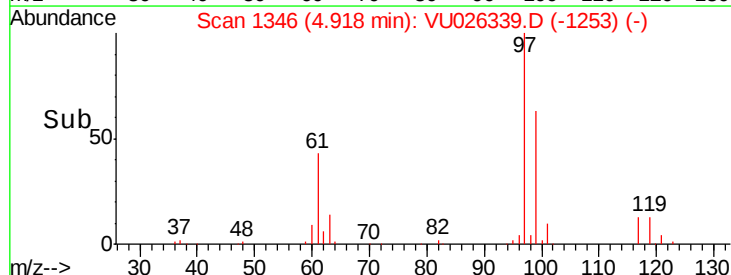
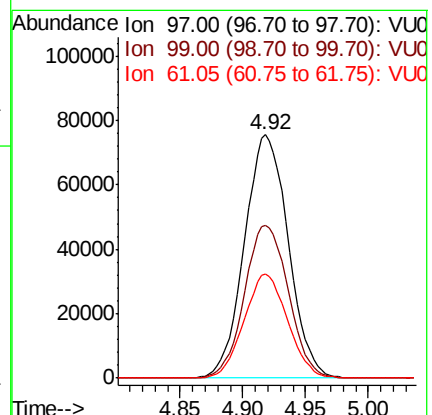
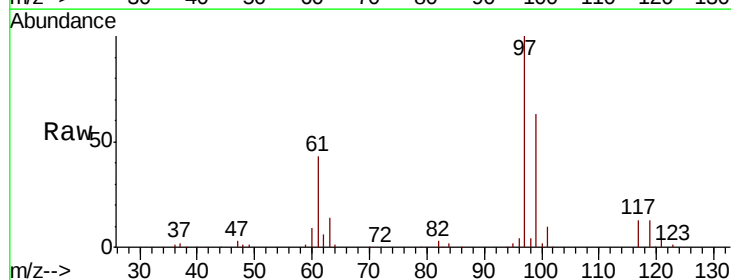
Tgt Ion: 97 Resp: 183542

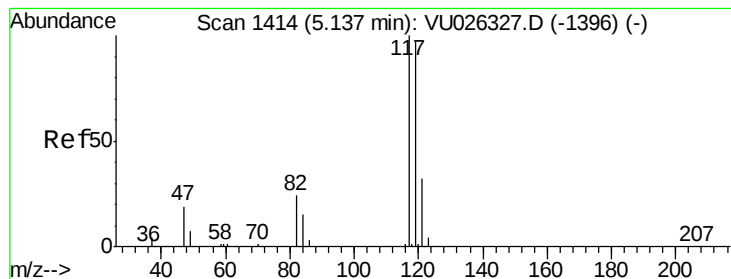
Ion Ratio Lower Upper

97 100

99 63.0 52.0 78.0

61 42.5 34.2 51.4





#31

Carbon tetrachloride

Concen: 47.132 ug/L

RT: 5.14 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VU026339.D

Acq: 24 Aug 2018 17:24

Instrument :

MSVOA_U

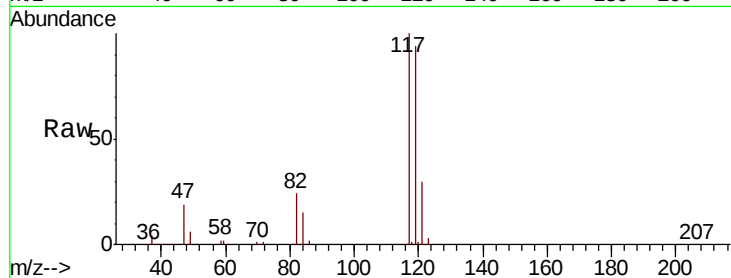
ClientSampleId :

Tot Ion:117 Resp: 166109

Ion Ratio Lower Upper

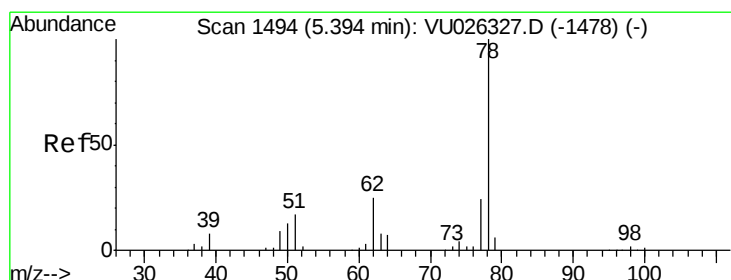
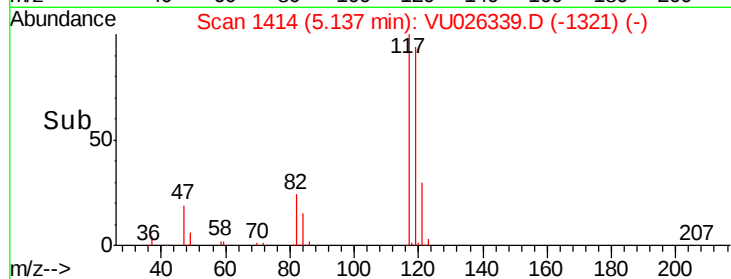
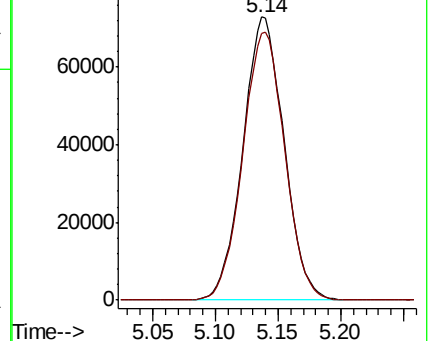
117 100

119 96.5 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: 49.062 ug/L

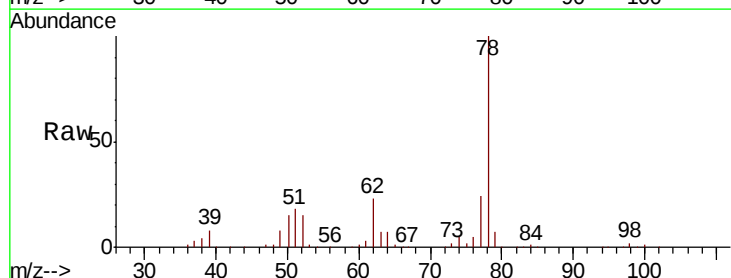
RT: 5.39 min Scan# 1494

Delta R.T. -0.00 min

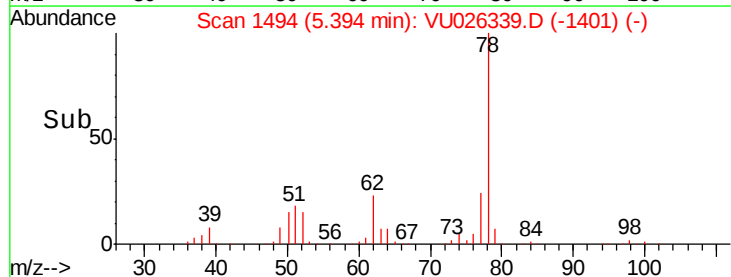
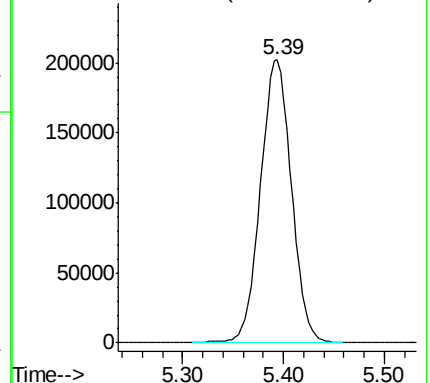
Lab File: VU026339.D

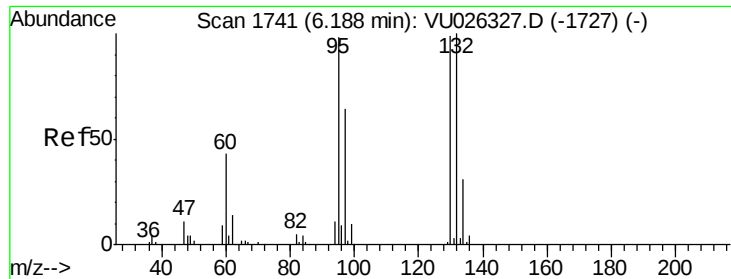
Acq: 24 Aug 2018 17:24

Tgt Ion: 78 Resp: 431556



Abundance Ion 78.00 (77.70 to 78.70): VU0

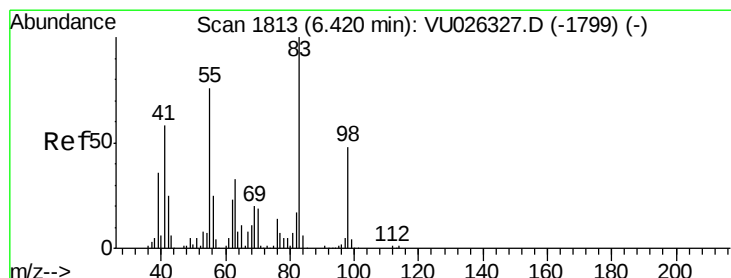
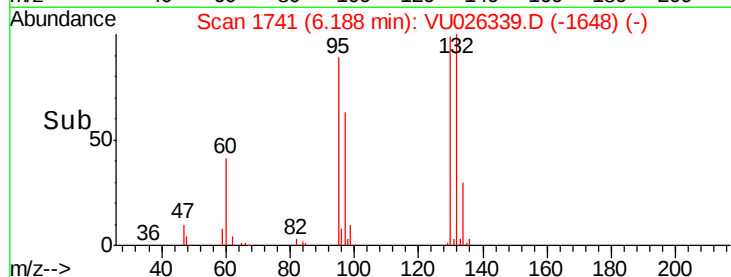
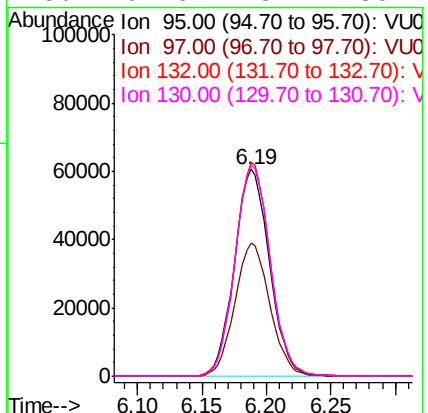
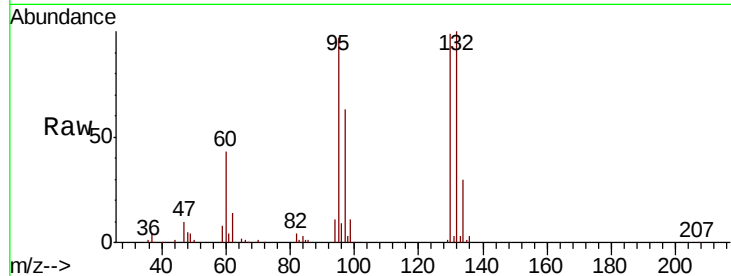




#34
 Trichloroethene
 Concen: 49.358 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VU026339.D
 Acq: 24 Aug 2018 17:24

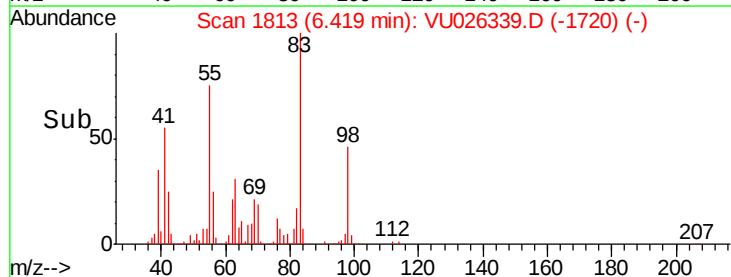
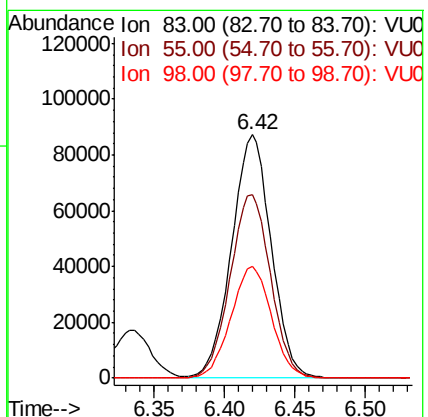
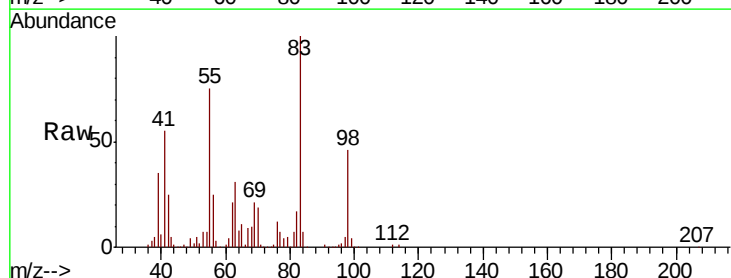
Instrument :
 MSVOA_U
 ClientSampled :

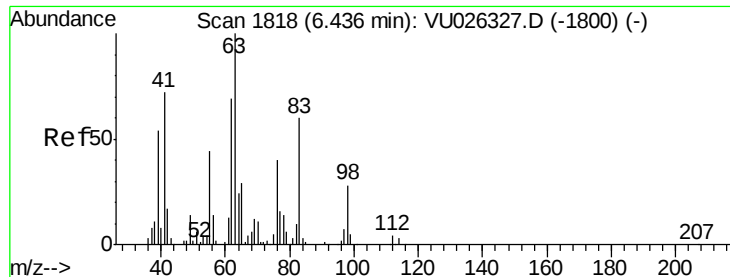
Tot Ion:	95	Resp:	114805
Ion	Ratio	Lower	Upper
95	100		
97	64.5	47.2	87.6
132	103.0	70.2	130.4
130	101.6	73.4	136.4



#35
 Methylcyclohexane
 Concen: 48.210 ug/L
 RT: 6.42 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VU026339.D
 Acq: 24 Aug 2018 17:24

Tgt Ion:	83	Resp:	171471
Ion	Ratio	Lower	Upper
83	100		
55	77.0	60.6	91.0
98	47.1	36.8	55.2





#37

1,2-Dichloropropane

Concen: 48.917 ug/L

RT: 6.44 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VU026339.D

Acq: 24 Aug 2018 17:24

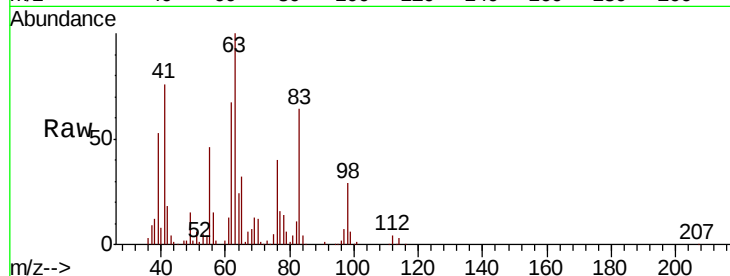
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 63 Resp: 117592

Ion Ratio Lower Upper

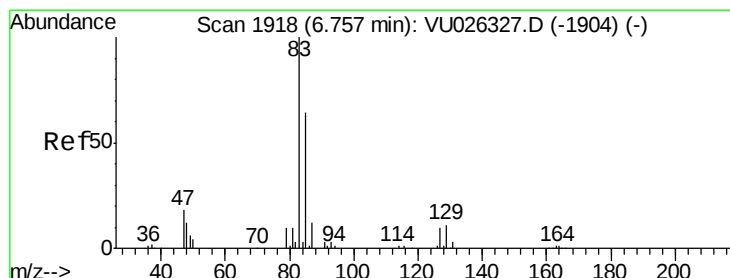
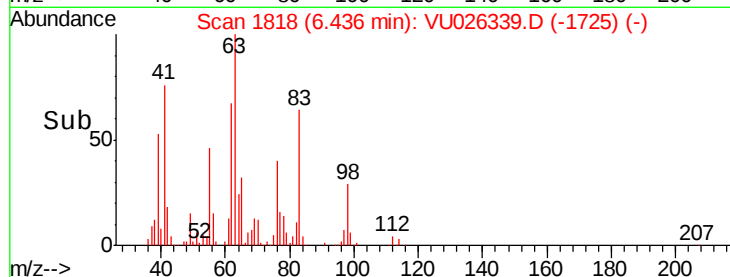
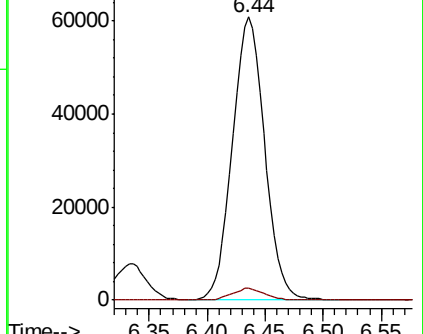
63 100

112 4.2 3.4 5.2



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V



#38

Bromodichloromethane

Concen: 47.351 ug/L

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU026339.D

Acq: 24 Aug 2018 17:24

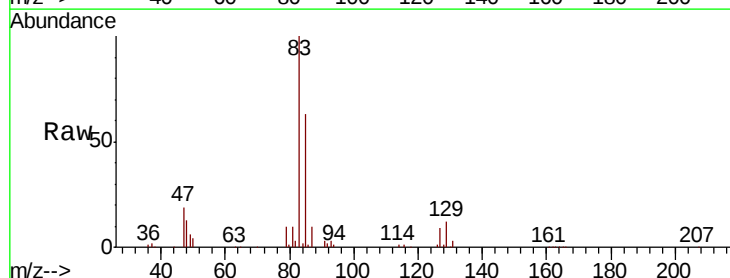
Tgt Ion: 83 Resp: 152204

Ion Ratio Lower Upper

83 100

85 63.3 46.3 86.1

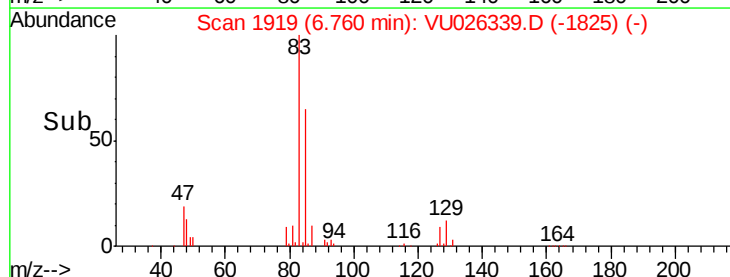
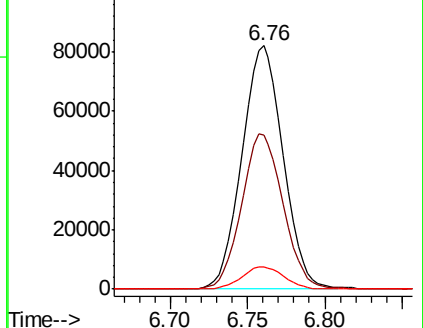
127 9.2 7.8 11.6

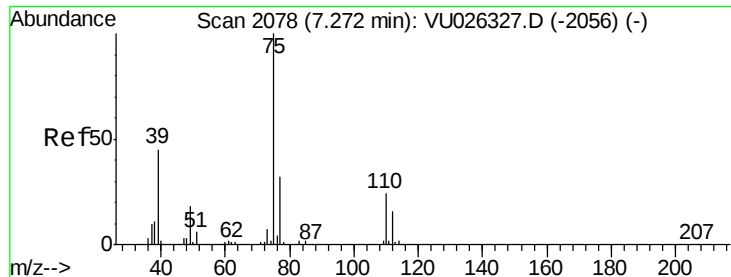


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V

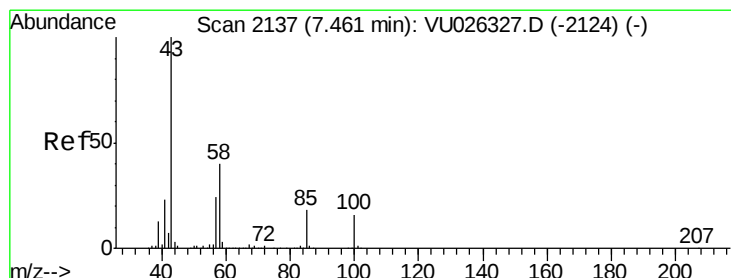
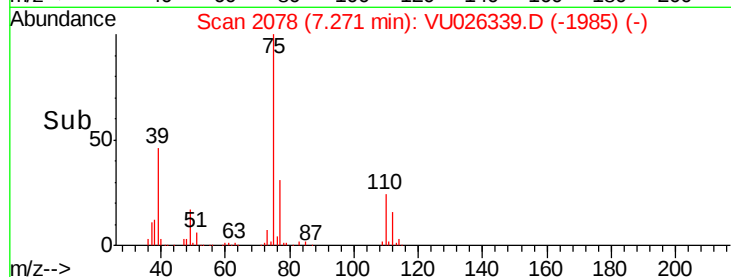
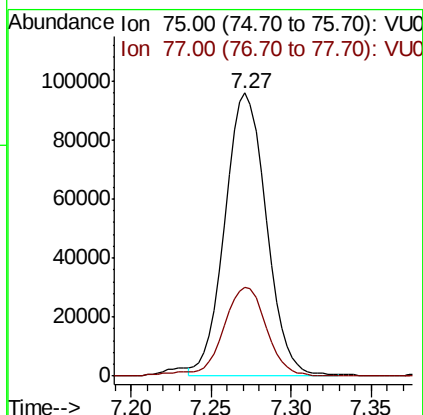
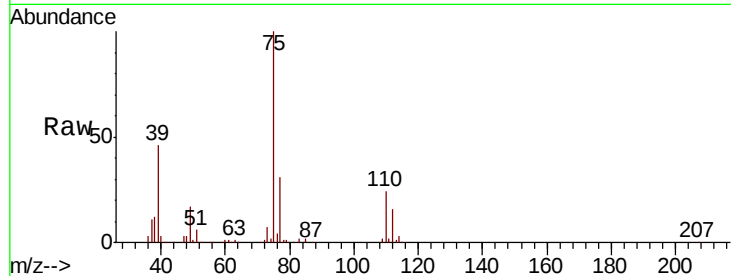




#39
 cis-1,3-Dichloropropene
 Concen: 46.597 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VU026339.D
 Acq: 24 Aug 2018 17:24

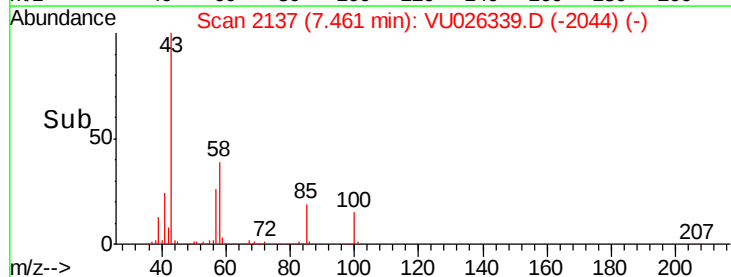
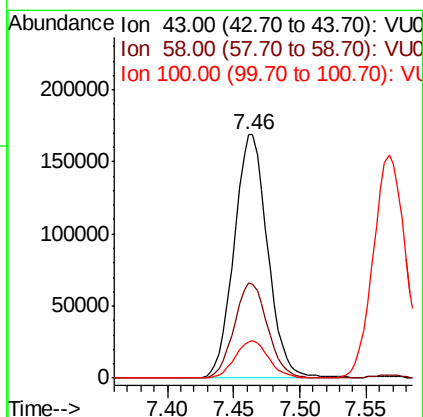
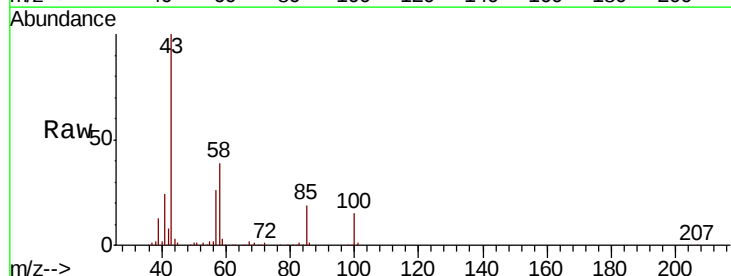
Instrument :
 MSVOA_U
 ClientSampleId :

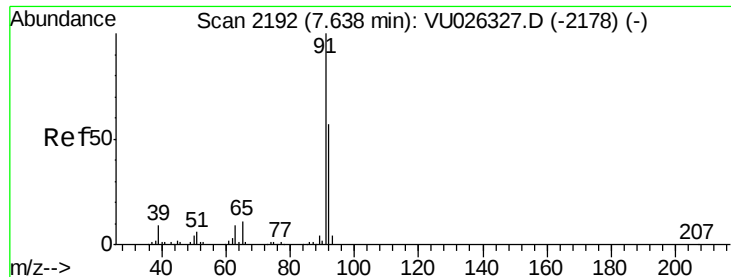
Tot Ion: 75 Resp: 170144
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 97.530 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU026339.D
 Acq: 24 Aug 2018 17:24

Tgt Ion: 43 Resp: 297140
 Ion Ratio Lower Upper
 43 100
 58 38.8 31.6 47.4
 100 15.4 12.3 18.5





#42

Toluene

Concen: 49.779 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU026339.D

Acq: 24 Aug 2018 17:24

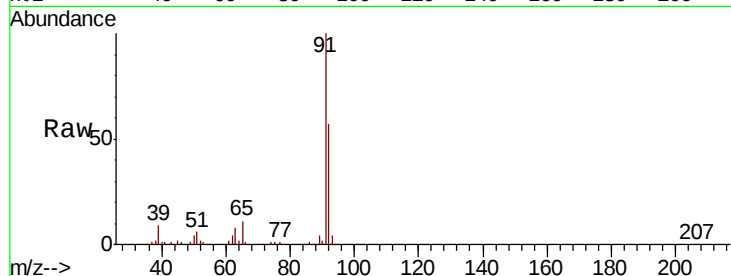
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 465892

Ion Ratio Lower Upper

91 100

92 56.6 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

7.64

300000

250000

200000

150000

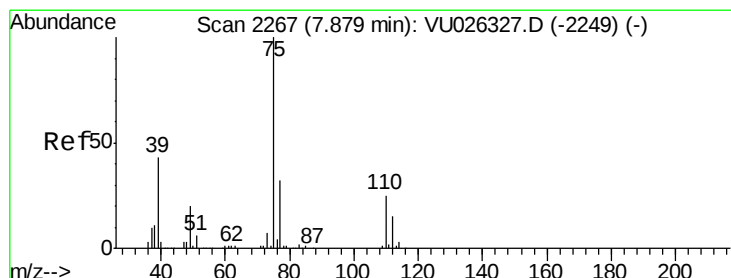
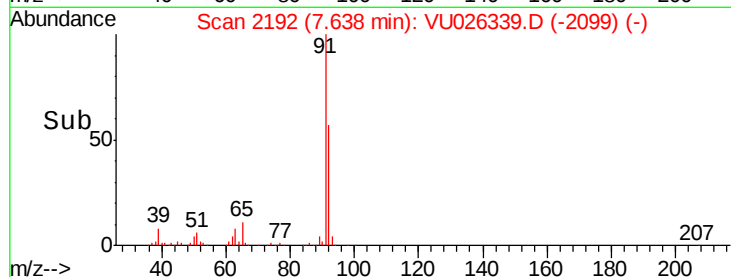
100000

50000

0

Time-->

7.55 7.60 7.65 7.70 7.75



#44

trans-1,3-Dichloropropene

Concen: 48.023 ug/L

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU026339.D

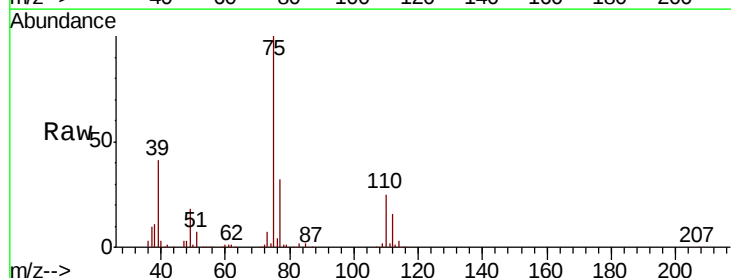
Acq: 24 Aug 2018 17:24

Tgt Ion: 75 Resp: 168720

Ion Ratio Lower Upper

75 100

77 32.1 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

120000

100000

80000

60000

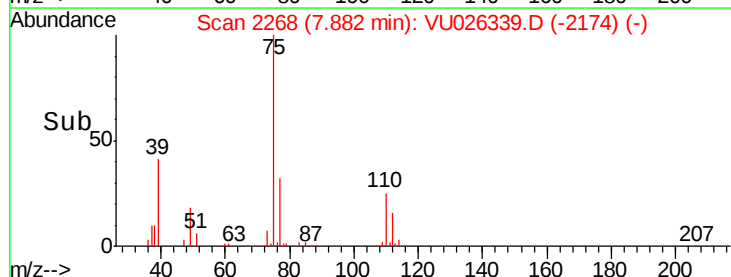
40000

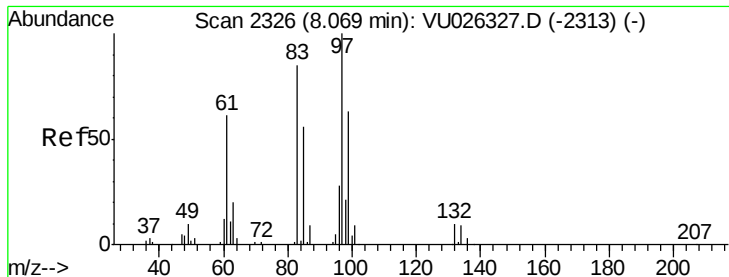
20000

0

Time-->

7.80 7.90 8.00

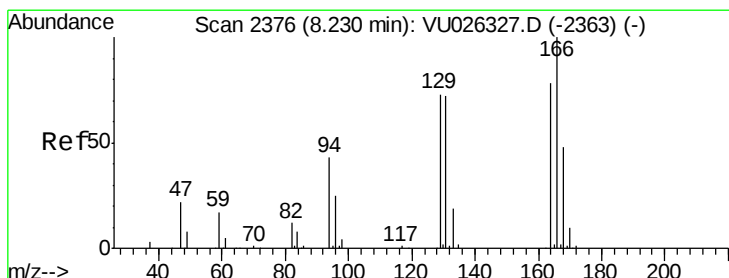
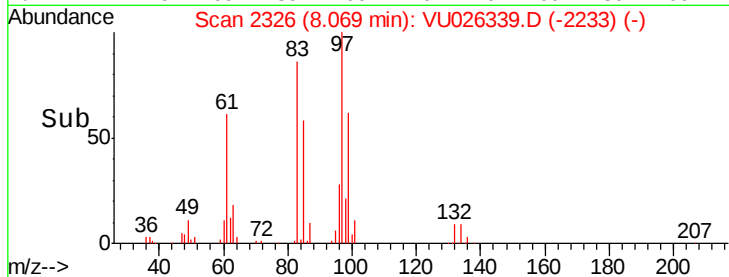
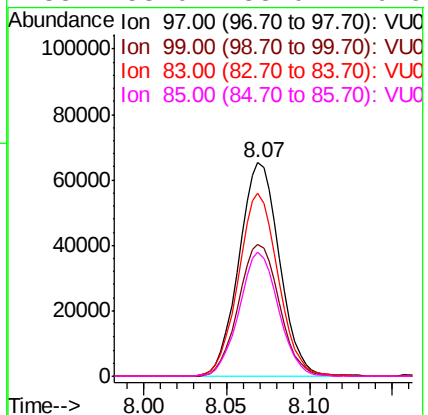
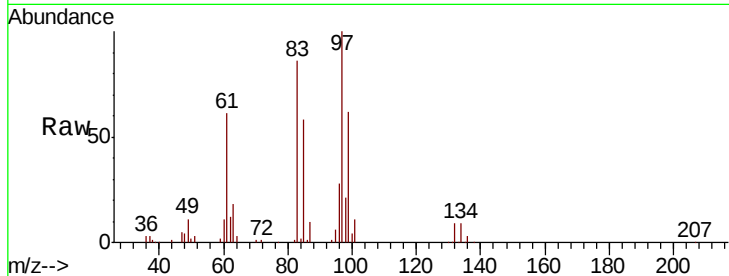




#45
 1,1,2-Trichloroethane
 Concen: 48.907 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU026339.D
 Acq: 24 Aug 2018 17:24

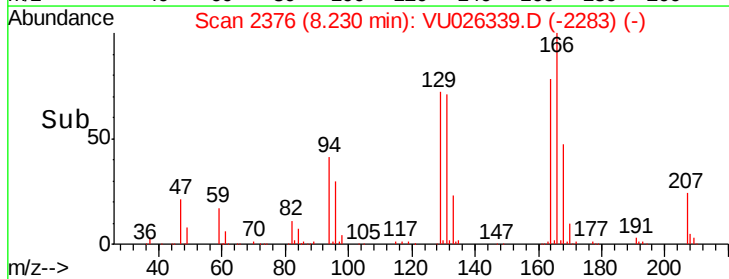
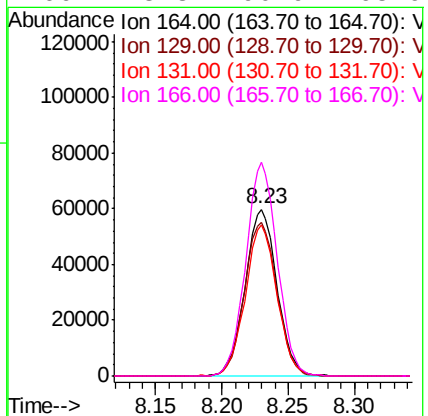
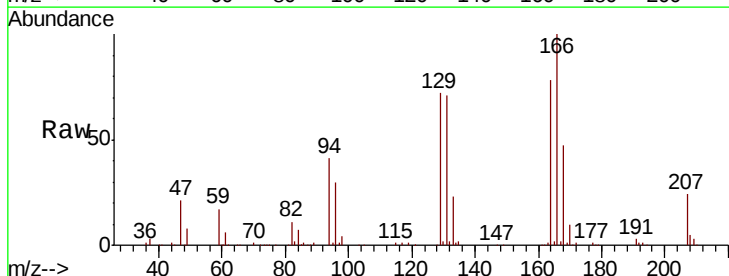
Instrument :
 MSVOA_U
 ClientSampleId :

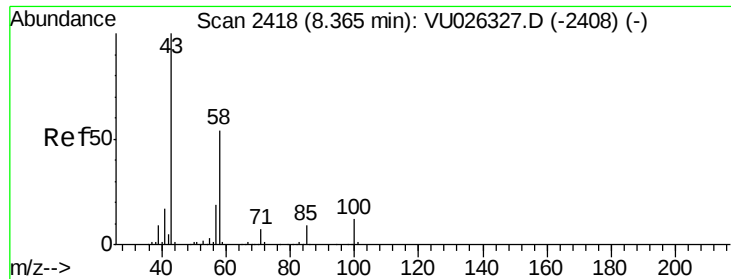
Tot Ion:	97	Resp:	111062
Ion	Ratio	Lower	Upper
97	100		
99	62.0	44.0	81.6
83	85.6	59.2	110.0
85	58.0	38.0	70.6



#46
 Tetrachloroethene
 Concen: 50.027 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU026339.D
 Acq: 24 Aug 2018 17:24

Tgt Ion:	164	Resp:	100123
Ion	Ratio	Lower	Upper
164	100		
129	92.0	67.3	124.9
131	90.7	65.5	121.7
166	128.3	90.9	168.9

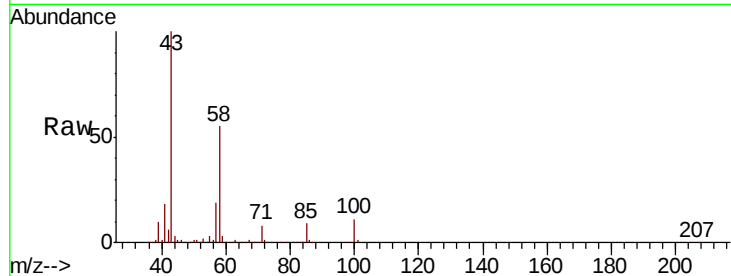




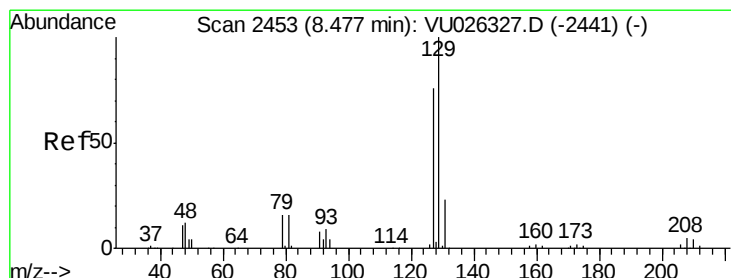
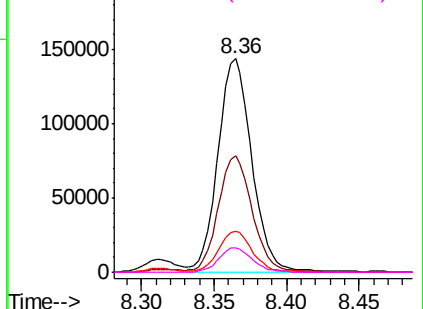
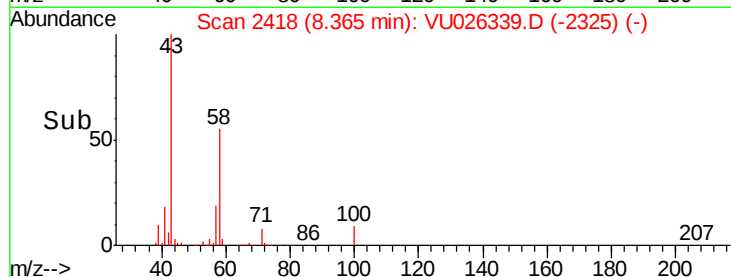
#48
2-Hexanone
Concen: 95.255 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU026339.D
Acq: 24 Aug 2018 17:24

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	43	Resp:	233555
Ion	Ratio	Lower	Upper
43	100		
58	55.0	42.6	63.8
57	19.3	15.1	22.7
100	11.3	9.5	14.3

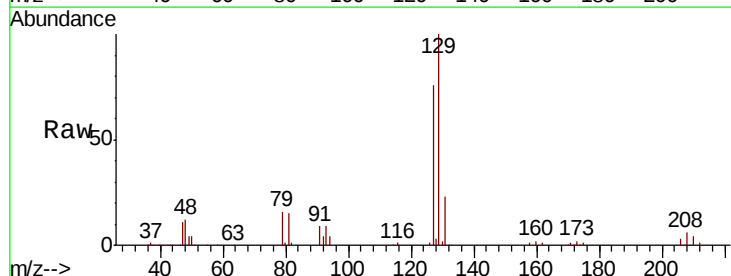


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

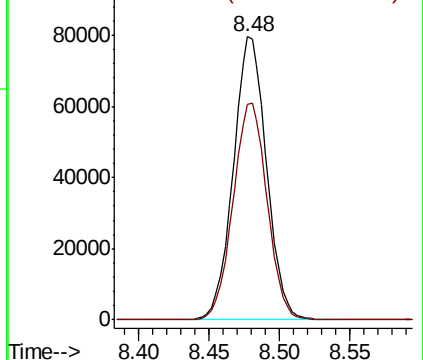
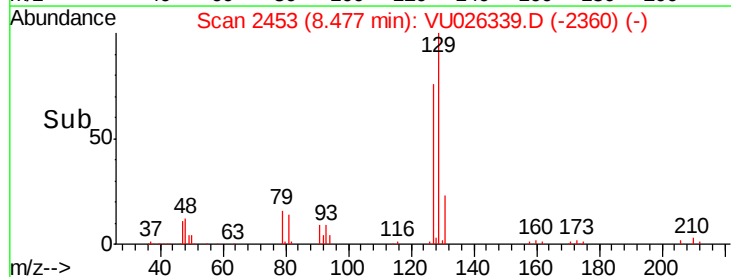


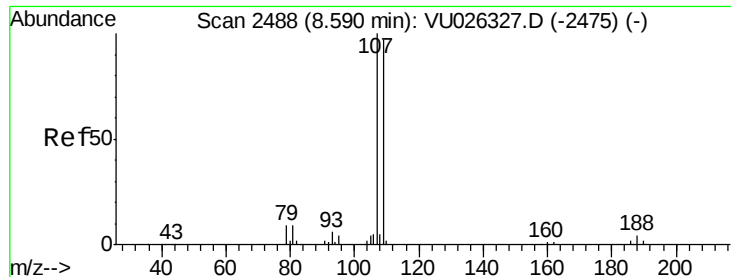
#49
Dibromochloromethane
Concen: 47.101 ug/L
RT: 8.48 min Scan# 2453
Delta R.T. -0.00 min
Lab File: VU026339.D
Acq: 24 Aug 2018 17:24

Tgt Ion:	129	Resp:	131452
Ion	Ratio	Lower	Upper
129	100		
127	76.0	53.8	100.0



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

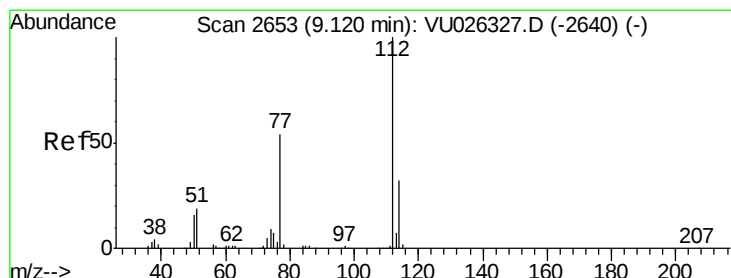
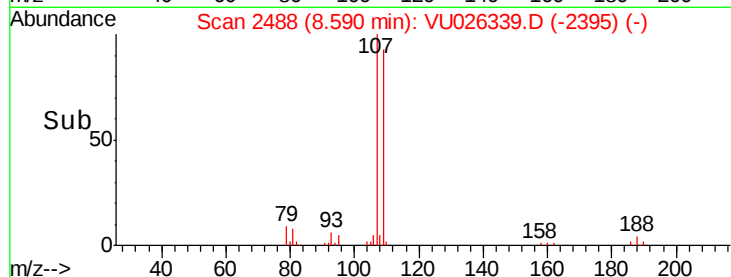
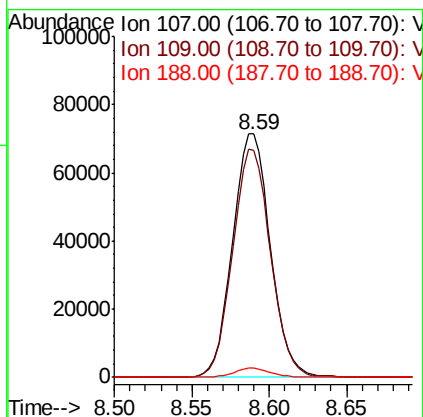
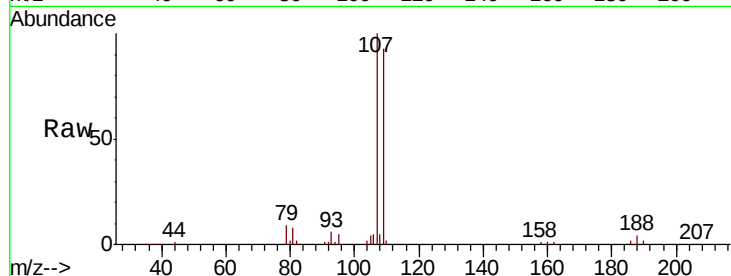




#50
 1,2-Dibromoethane
 Concen: 48.238 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU026339.D
 Acq: 24 Aug 2018 17:24

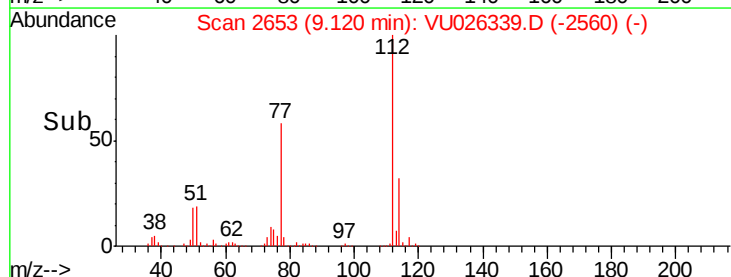
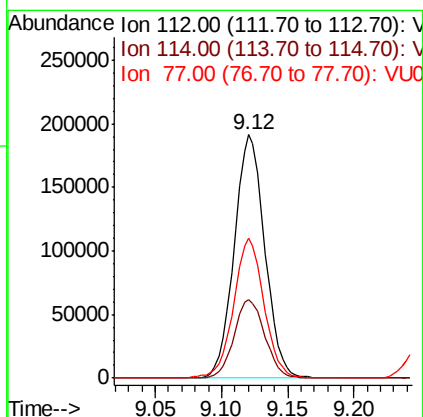
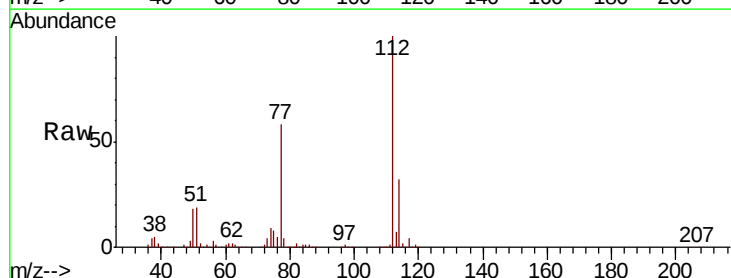
Instrument :
 MSVOA_U
 ClientSampleId :

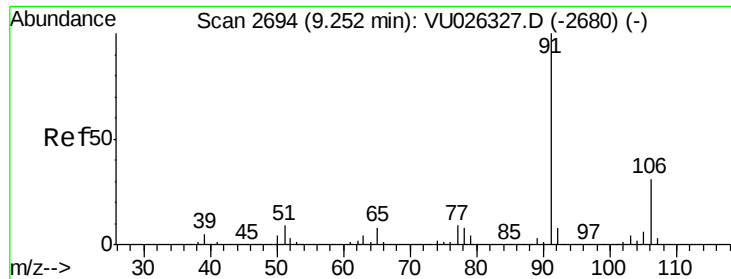
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	65.2	121.0
188	3.7	3.4	5.2



#51
 Chlorobenzene
 Concen: 47.746 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. -0.00 min
 Lab File: VU026339.D
 Acq: 24 Aug 2018 17:24

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.5	41.9
77	57.5	45.4	68.2





#52

Ethylbenzene

Concen: 49.132 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU026339.D

Acq: 24 Aug 2018 17:24

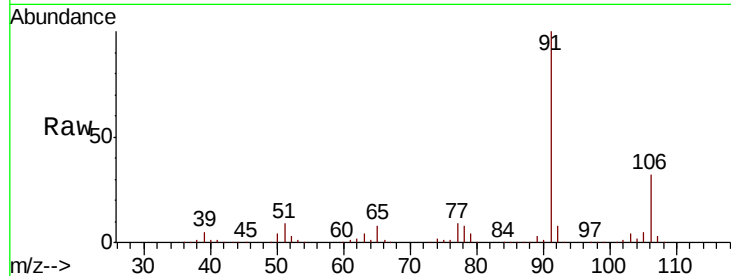
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 500858

Ion Ratio Lower Upper

91 100

106 32.1 22.3 41.5



Abundance Ion 91.00 (90.70 to 91.70): VU026339.D (-2601) (-)

Ion 106.00 (105.70 to 106.70): VU026339.D (-2601) (-)

9.25

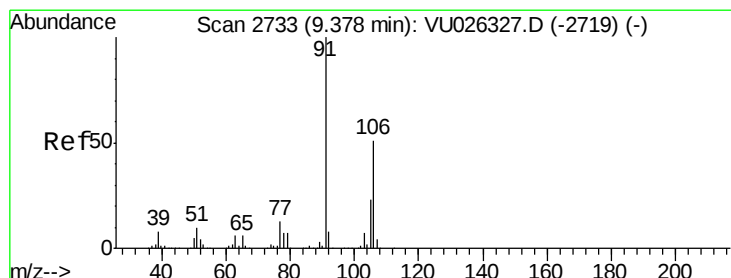
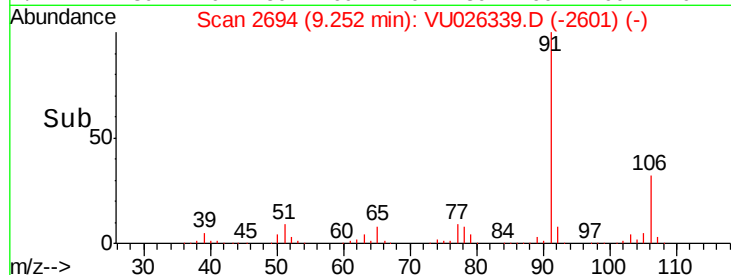
300000

200000

100000

0

Time--> 9.15 9.20 9.25 9.30 9.35



#53

m,p-Xylene

Concen: 50.449 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU026339.D

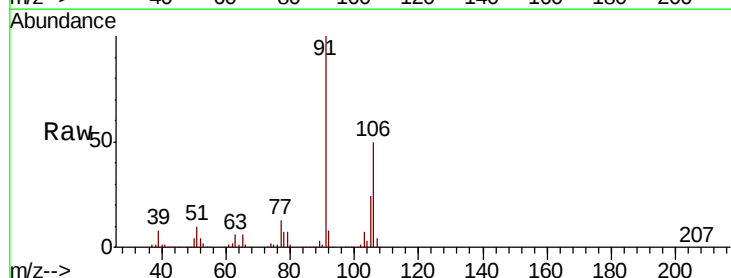
Acq: 24 Aug 2018 17:24

Tgt Ion: 106 Resp: 198775

Ion Ratio Lower Upper

106 100

91 200.3 136.6 253.8



Abundance Ion 106.00 (105.70 to 106.70): VU026339.D (-2640) (-)

Ion 91.00 (90.70 to 91.70): VU026339.D (-2640) (-)

9.38

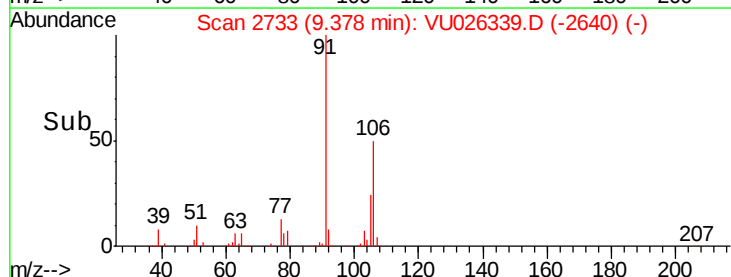
300000

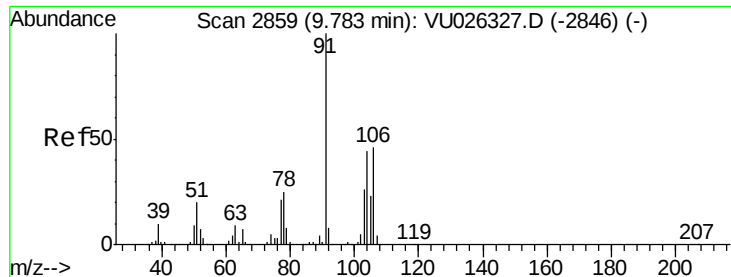
200000

100000

0

Time--> 9.30 9.40 9.50

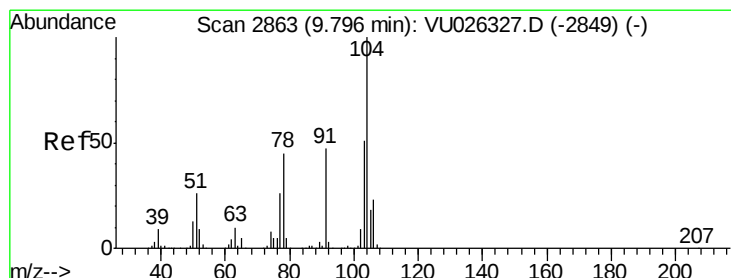
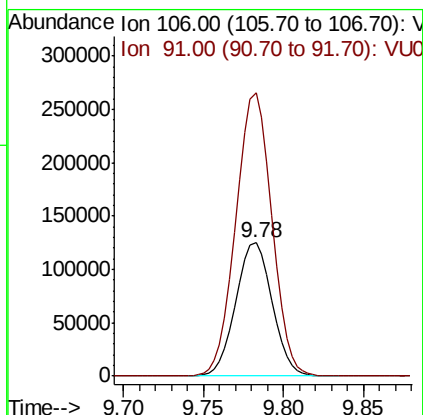
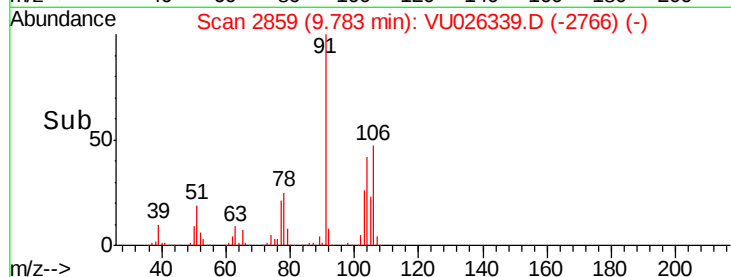
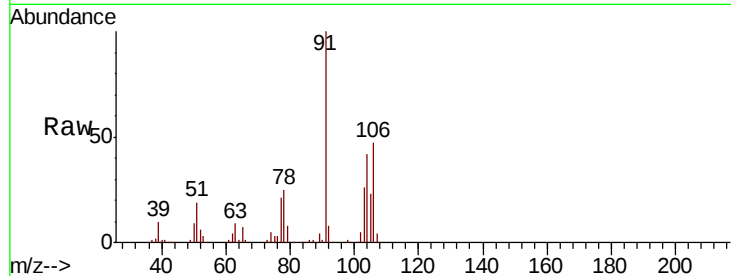




#54
o-xylene
Concen: 50.426 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU026339.D
Acq: 24 Aug 2018 17:24

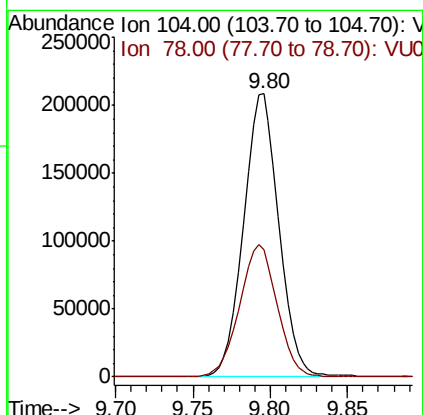
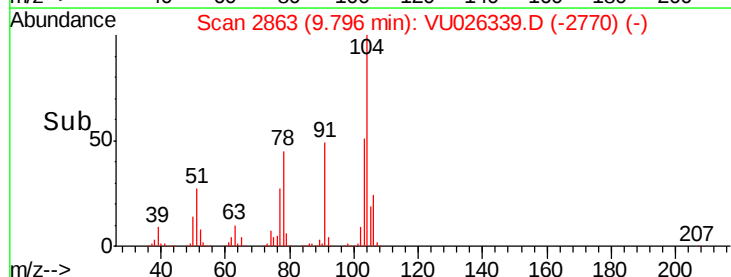
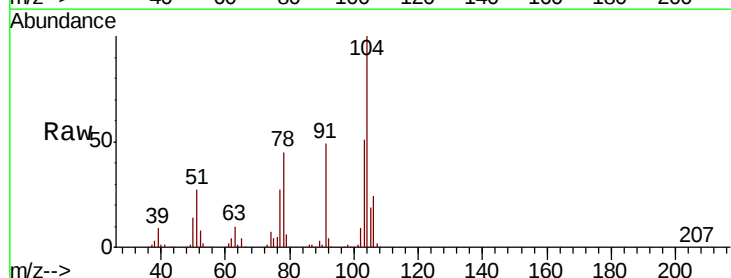
Instrument :
MSVOA_U
ClientSampleId :

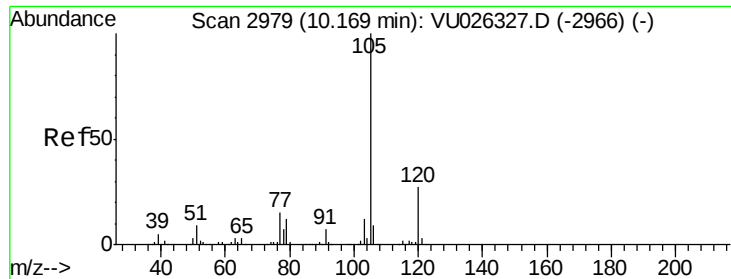
Tot Ion:106 Resp: 193801
Ion Ratio Lower Upper
106 100
91 212.8 151.2 280.8



#55
Styrene
Concen: 50.514 ug/L
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU026339.D
Acq: 24 Aug 2018 17:24

Tgt Ion:104 Resp: 331390
Ion Ratio Lower Upper
104 100
78 45.1 32.3 60.1





#56

Isopropylbenzene

Concen: 50.794 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU026339.D

Acq: 24 Aug 2018 17:24

Instrument :

MSVOA_U

ClientSampleId :

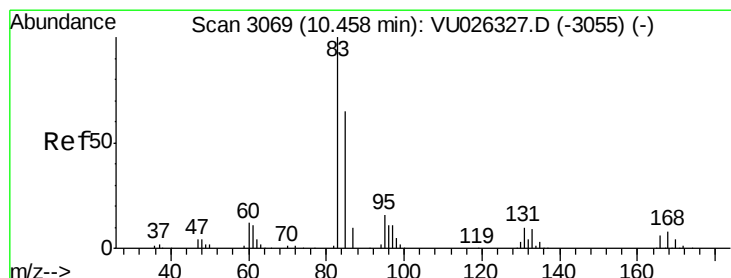
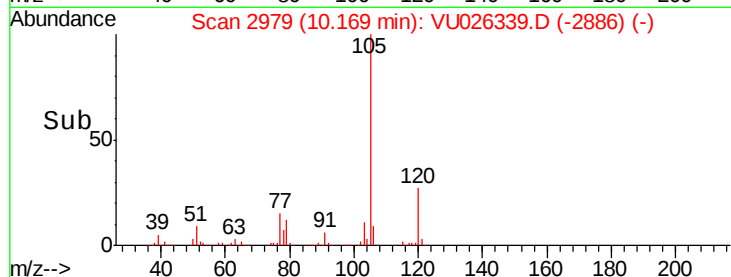
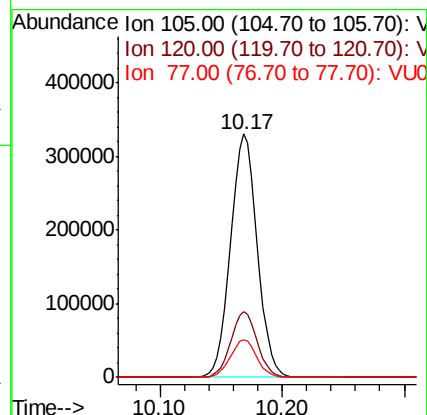
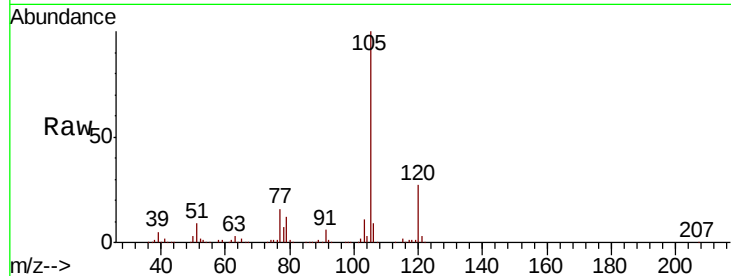
Tot Ion:105 Resp: 506428

Ion Ratio Lower Upper

105 100

120 26.8 21.9 32.9

77 15.3 12.4 18.6



#58

1,1,2,2-Tetrachloroethane

Concen: 47.486 ug/L

RT: 10.46 min Scan# 3069

Delta R.T. -0.00 min

Lab File: VU026339.D

Acq: 24 Aug 2018 17:24

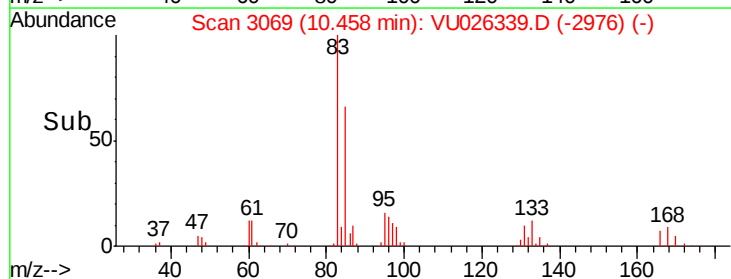
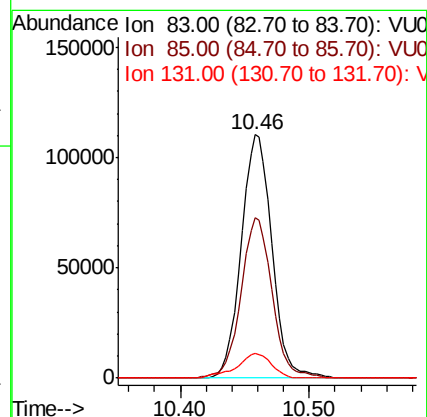
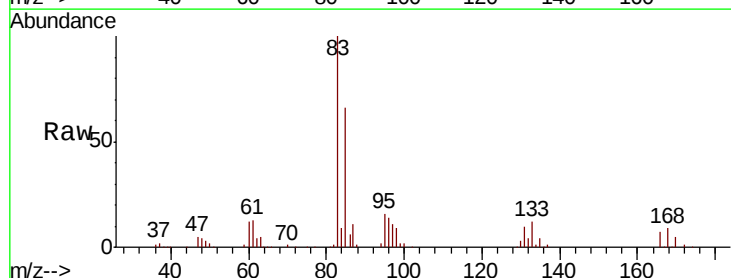
Tgt Ion: 83 Resp: 182506

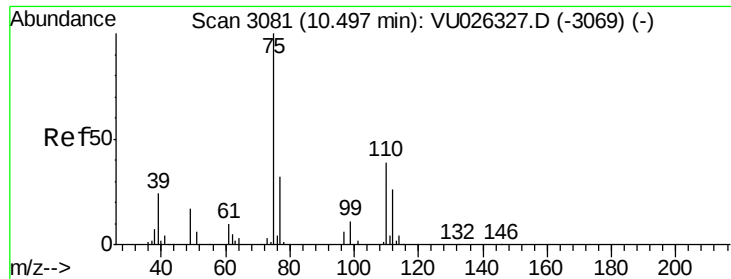
Ion Ratio Lower Upper

83 100

85 65.9 44.9 83.3

131 10.0 8.2 12.2

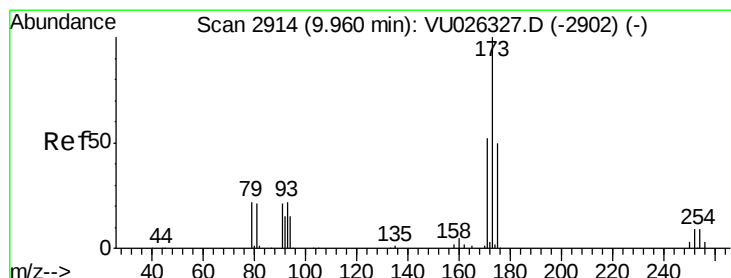
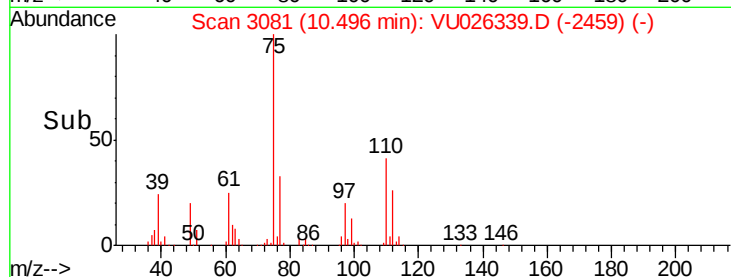
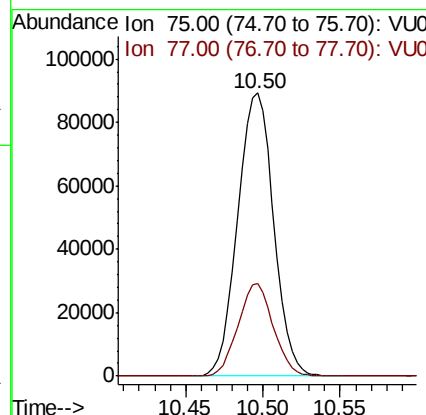
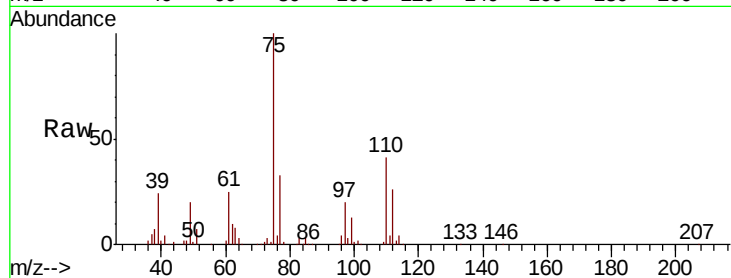




#59
 1,2,3-Trichloropropane
 Concen: 48.092 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. -0.00 min
 Lab File: VU026339.D
 Acq: 24 Aug 2018 17:24

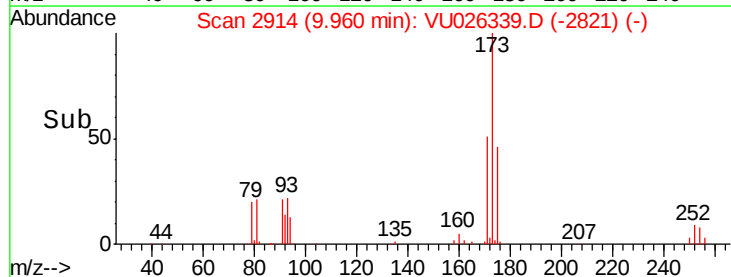
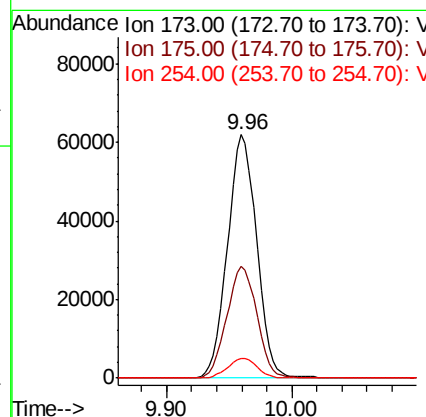
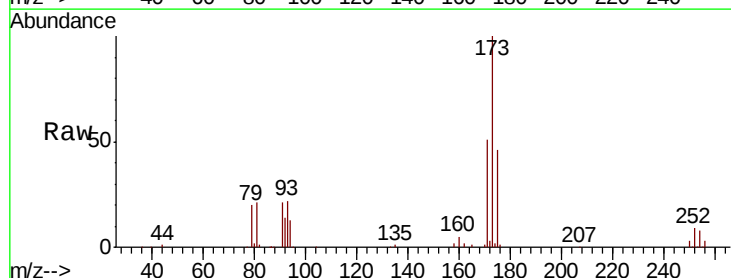
Instrument :
 MSVOA_U
 ClientSampleId :

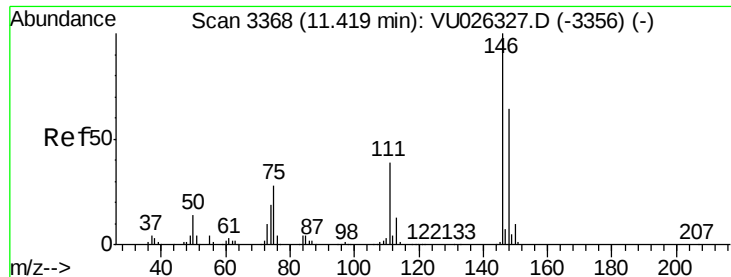
Tot Ion: 75 Resp: 144127
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.5 38.3



#61
 Bromoform
 Concen: 46.387 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. -0.00 min
 Lab File: VU026339.D
 Acq: 24 Aug 2018 17:24

Tgt Ion:173 Resp: 100312
 Ion Ratio Lower Upper
 173 100
 175 47.0 39.4 59.2
 254 8.1 7.0 10.4





#62

1,3-Dichlorobenzene

Concen: 47.821 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

Lab File: VU026339.D

Acq: 24 Aug 2018 17:24

Instrument :

MSVOA_U

ClientSampleId :

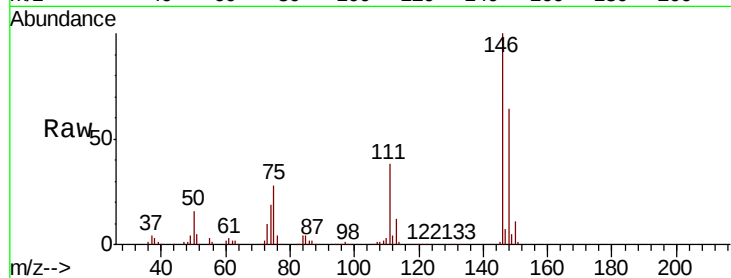
Tot Ion:146 Resp: 246081

Ion Ratio Lower Upper

146 100

111 38.2 26.9 50.1

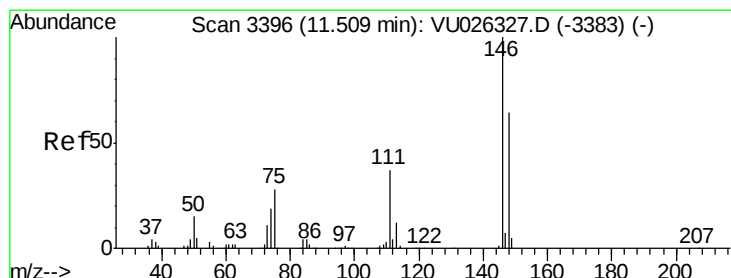
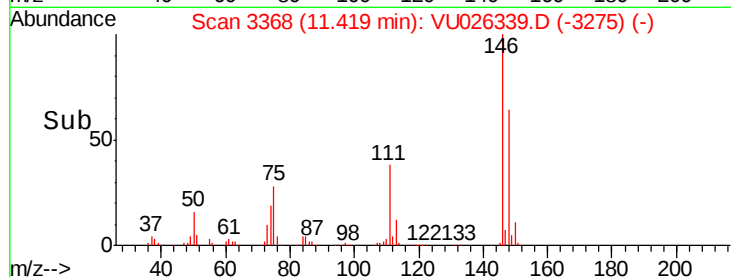
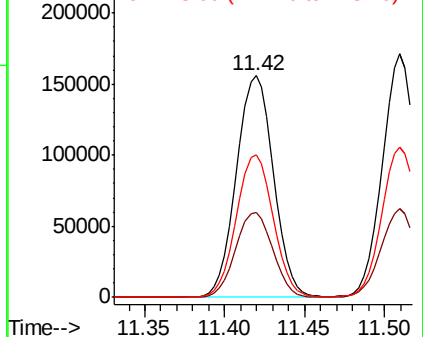
148 64.4 43.7 81.1



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: 47.301 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VU026339.D

Acq: 24 Aug 2018 17:24

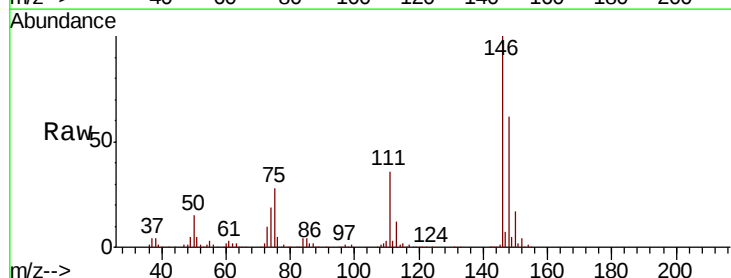
Tgt Ion:146 Resp: 257187

Ion Ratio Lower Upper

146 100

111 36.2 25.9 48.1

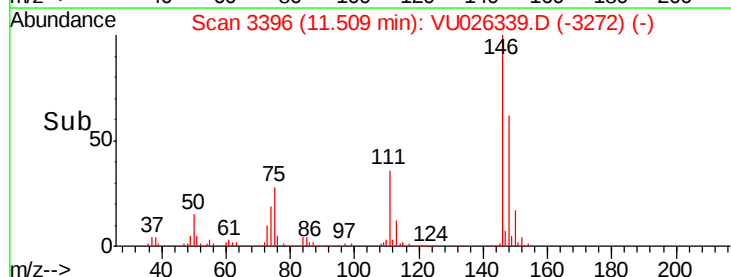
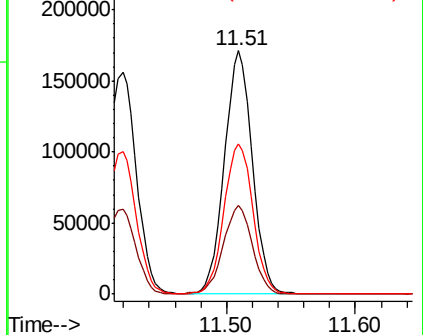
148 61.7 44.5 82.7

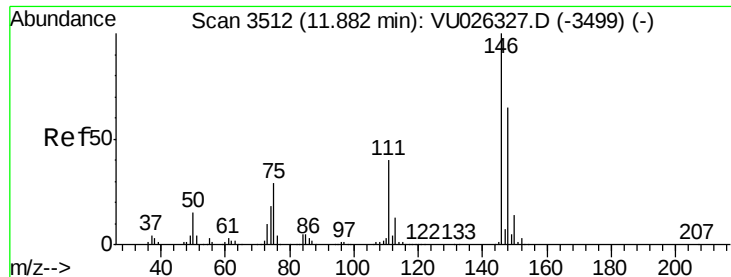


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

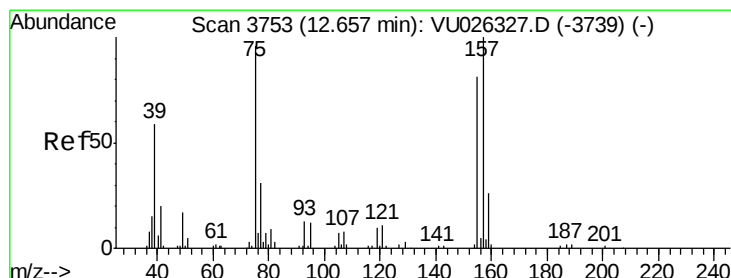
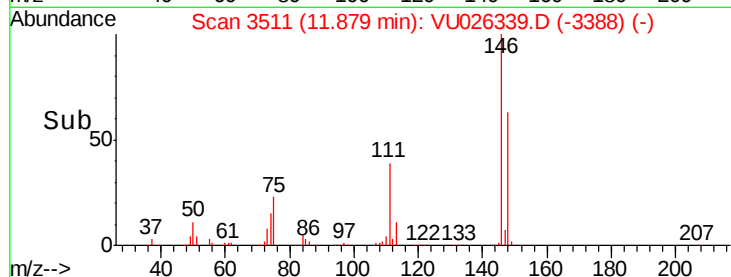
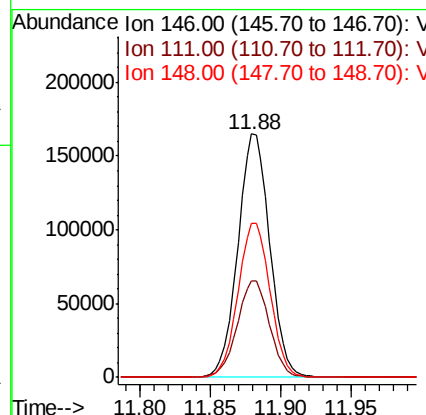
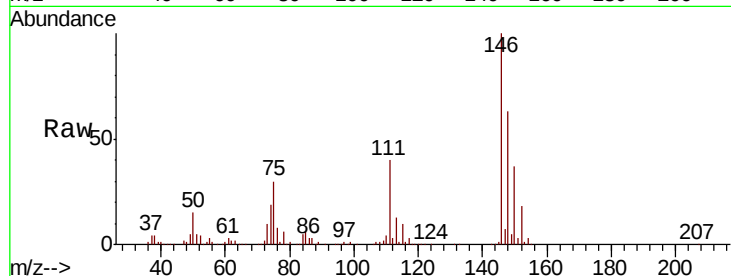




#65
 1,2-Dichlorobenzene
 Concen: 48.211 ug/L
 RT: 11.88 min Scan# 3511
 Delta R.T. -0.00 min
 Lab File: VU026339.D
 Acq: 24 Aug 2018 17:24

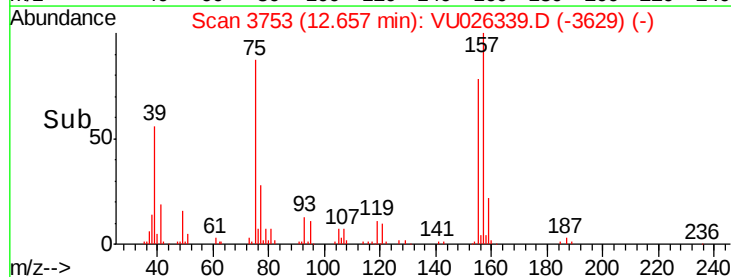
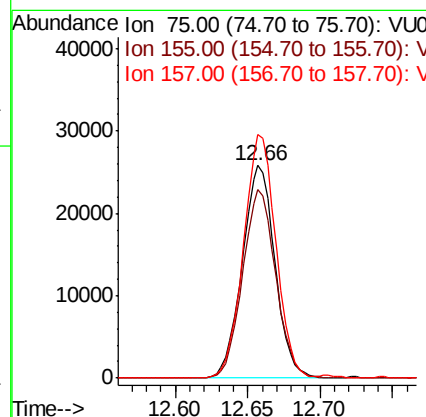
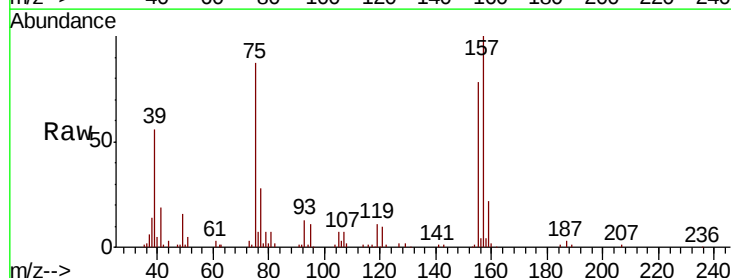
Instrument :
 MSVOA_U
 ClientSampleId :

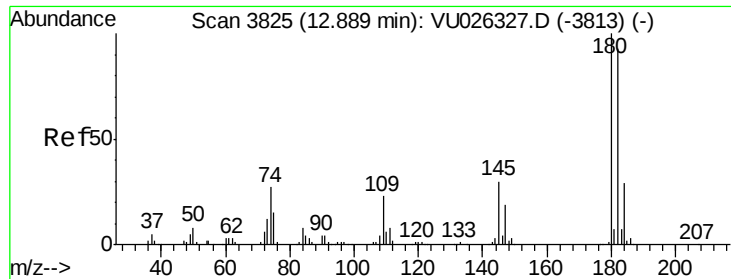
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	32.6	48.8
148	63.3	51.0	76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 44.702 ug/L
 RT: 12.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VU026339.D
 Acq: 24 Aug 2018 17:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.0	65.0	97.6
157	114.6	87.5	131.3

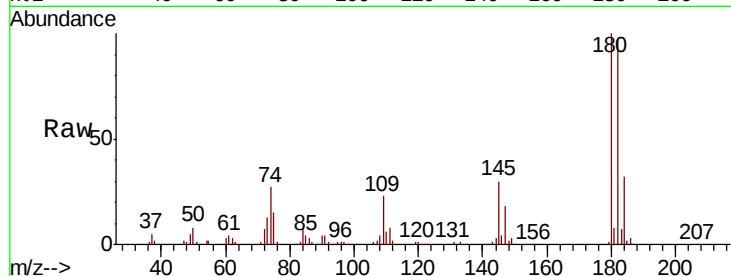




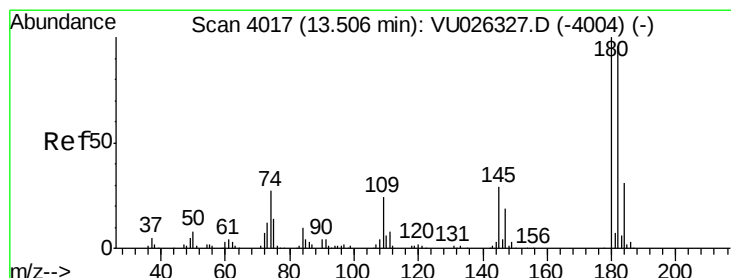
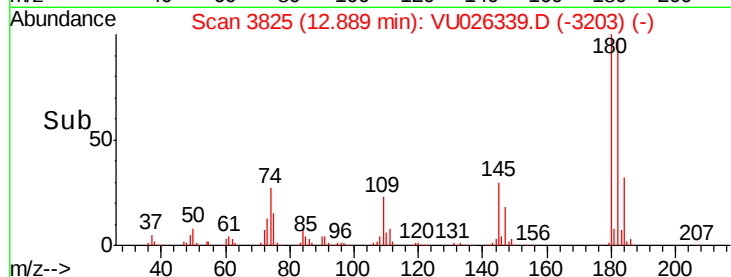
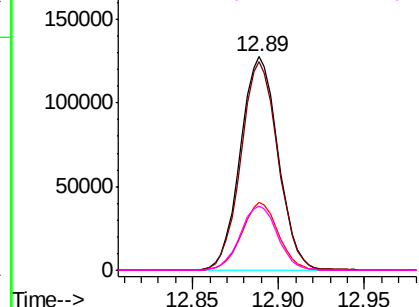
#67
 1,3,5-Trichlorobenzene
 Concen: 48.277 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. -0.00 min
 Lab File: VU026339.D
 Acq: 24 Aug 2018 17:24

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180	Resp:	195006
Ion Ratio	Lower	Upper
180	100	
182	95.8	77.9 116.9
184	30.9	24.2 36.4
145	29.7	23.4 35.2

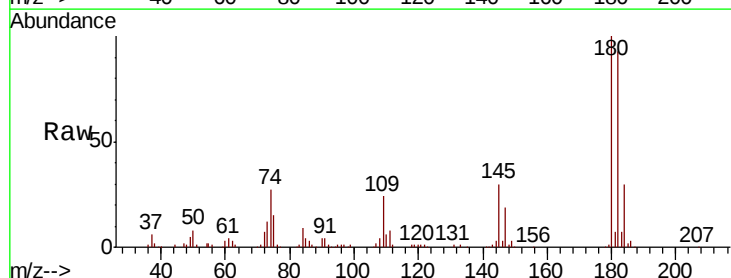


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

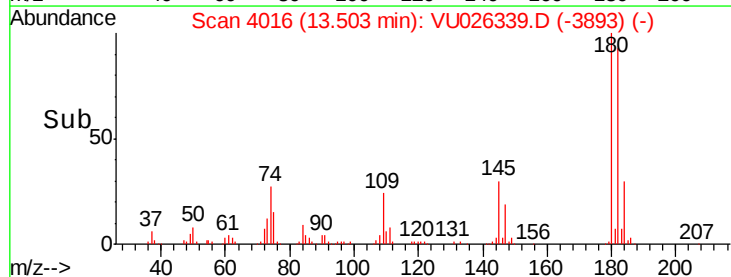
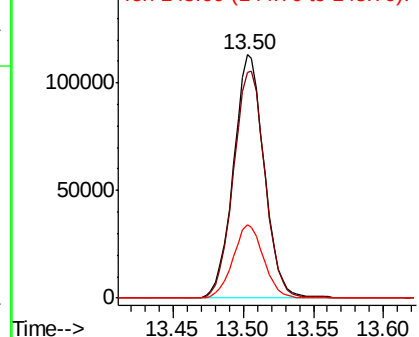


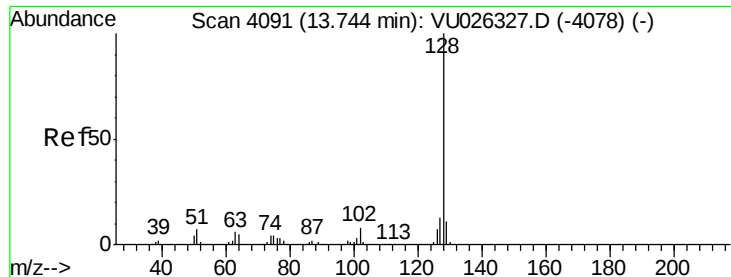
#68
 1,2,4-trichlorobenzene
 Concen: 48.965 ug/L
 RT: 13.50 min Scan# 4016
 Delta R.T. -0.00 min
 Lab File: VU026339.D
 Acq: 24 Aug 2018 17:24

Tgt Ion:180	Resp:	172656
Ion Ratio	Lower	Upper
180	100	
182	95.5	75.8 113.6
145	30.0	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: 50.278 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. -0.00 min

Lab File: VU026339.D

Acq: 24 Aug 2018 17:24

Instrument :

MSVOA_U

ClientSampleId :

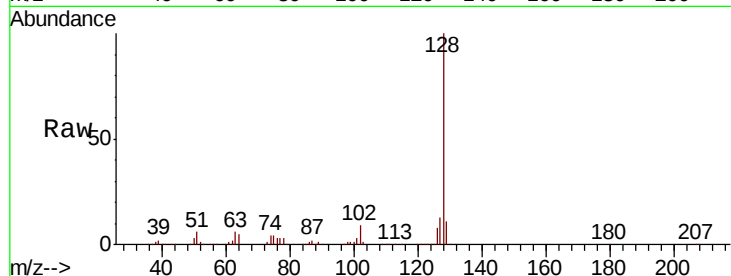
Tot Ion:128 Resp: 528156

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

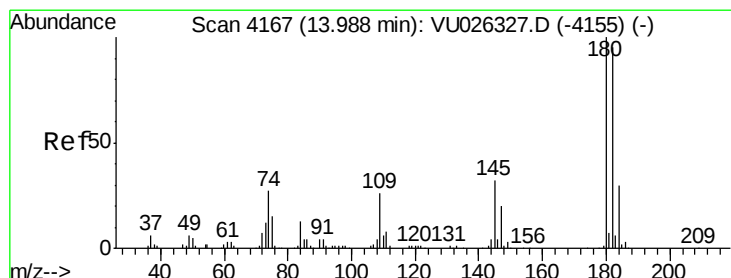
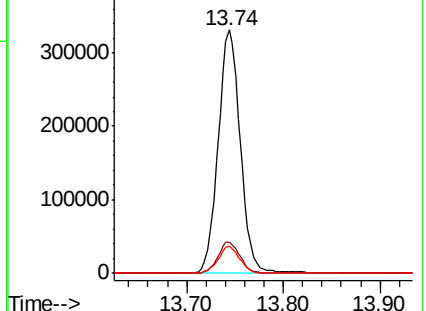
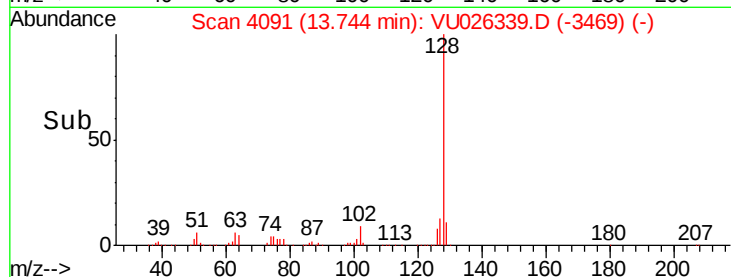
129 10.8 8.4 12.6



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: 49.005 ug/L

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU026339.D

Acq: 24 Aug 2018 17:24

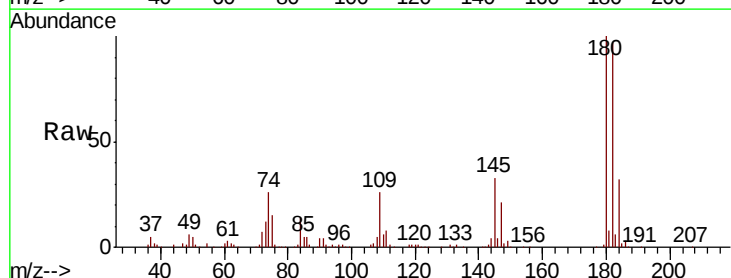
Tgt Ion:180 Resp: 184104

Ion Ratio Lower Upper

180 100

182 95.5 77.6 116.4

145 32.2 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

