

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082418\
 Data File : VU026327.D
 Acq On : 24 Aug 2018 12:29
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 25 02:27:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 24 02:06:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	303191	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	290359	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	152120	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	89022	48.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.28%
7) Chloroethane-d5	1.68	69	75207	49.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.74%
11) 1,1-Dichloroethene-d2	2.27	63	180018	49.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.06%
21) 2-Butanone-d5	4.18	46	151438	102.61	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.61%
24) Chloroform-d	4.65	84	218822	53.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.18%
26) 1,2-Dichloroethane-d4	5.31	65	136113	50.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.48%
32) Benzene-d6	5.34	84	414086	53.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.62%
36) 1,2-Dichloropropane-d6	6.33	67	132557	53.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.30%
41) Toluene-d8	7.57	98	396723	53.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.86%
43) trans-1,3-Dichloropropene-	7.85	79	65413	50.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.52%
47) 2-Hexanone-d5	8.31	63	110700	103.85	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.85%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	190314	51.56	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.12%
64) 1,2-Dichlorobenzene-d4	11.86	152	161772	50.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.24%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	117561	49.380	ug/L 99
3) Chloromethane	1.33	50	106471	48.507	ug/L 100
5) Vinyl chloride	1.40	62	107049	48.406	ug/L 97
6) Bromomethane	1.63	94	57553	41.856	ug/L 99
8) Chloroethane	1.70	64	61588	48.564	ug/L 99
9) Trichlorofluoromethane	1.89	101	157228	50.197	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	93168	53.606	ug/L 99
12) 1,1-Dichloroethene	2.28	96	81068	50.802	ug/L 95
13) Acetone	2.32	43	119483	104.600	ug/L 98
14) Carbon disulfide	2.48	76	280516	45.822	ug/L 100
15) Methyl Acetate	2.62	43	103149	46.922	ug/L 97
16) Methylene chloride	2.70	84	104460	48.644	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	94466	48.027	ug/L 99
18) Methyl tert-butyl Ether	3.00	73	288205	48.911	ug/L 99
19) 1,1-Dichloroethane	3.45	63	177806	49.641	ug/L 99
20) cis-1,2-Dichloroethene	4.23	96	109353	50.367	ug/L 92
22) 2-Butanone	4.26	43	148592	97.229	ug/L 98

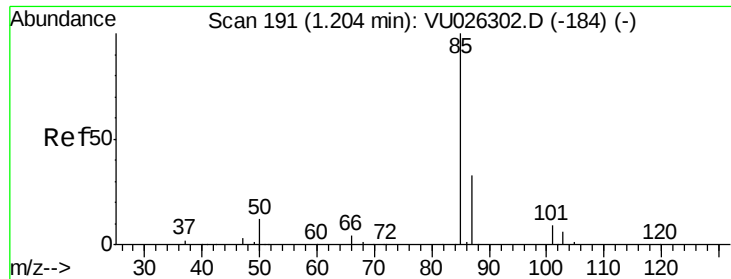
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082418\
 Data File : VU026327.D
 Acq On : 24 Aug 2018 12:29
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 Quant Title : VOC Analysis
 QLast Update : Fri Aug 24 02:06:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	58317	50.225	ug/L	96
25) Chloroform	4.68	83	188685	49.344	ug/L	97
27) 1,2-Dichloroethane	5.41	62	146658	48.147	ug/L	98
29) Cyclohexane	5.00	56	151140	50.757	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	170495	50.538	ug/L	99
31) Carbon tetrachloride	5.14	117	155432	49.006	ug/L	99
33) Benzene	5.39	78	396470	50.085	ug/L	100
34) Trichloroethene	6.19	95	107938	51.566	ug/L	98
35) Methylcyclohexane	6.42	83	161336	50.404	ug/L	98
37) 1,2-Dichloropropane	6.44	63	108833	50.307	ug/L	100
38) Bromodichloromethane	6.76	83	142927	49.408	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	163839	49.859	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	264751	96.561	ug/L	99
42) Toluene	7.64	91	428673	50.895	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	156023	49.346	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	101099	49.470	ug/L	99
46) Tetrachloroethene	8.23	164	90156	50.055	ug/L	98
48) 2-Hexanone	8.36	43	212666	96.379	ug/L	98
49) Dibromochloromethane	8.48	129	125341	49.904	ug/L	99
50) 1,2-Dibromoethane	8.59	107	106948	47.414	ug/L	96
51) Chlorobenzene	9.12	112	280407	48.675	ug/L	98
52) Ethylbenzene	9.25	91	460748	50.222	ug/L	99
53) m,p-Xylene	9.38	106	184141	51.931	ug/L	98
54) o-xylene	9.78	106	174152	50.352	ug/L	99
55) Styrene	9.80	104	306486	51.912	ug/L	99
56) Isopropylbenzene	10.17	105	460656	51.340	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	169498	49.005	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	130464	48.374	ug/L	99
61) Bromoform	9.96	173	93052	49.379	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	220540	49.182	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	229058	48.344	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	233983	49.610	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	37700	47.848	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	173792	49.374	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	147093	47.871	ug/L	100
69) Naphthalene	13.74	128	457718	50.002	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	161137	49.221	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 49.380 ug/L

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU026327.D

Acq: 24 Aug 2018 12:29

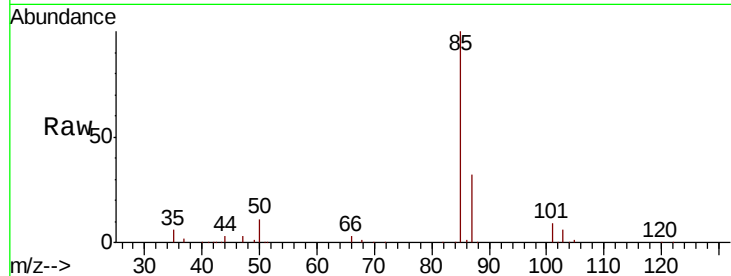
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 117561

Ion Ratio Lower Upper

85 100

87 31.7 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU026327.D (-184) (-)

Ion 87.00 (86.70 to 87.70): VU026327.D (-184) (-)

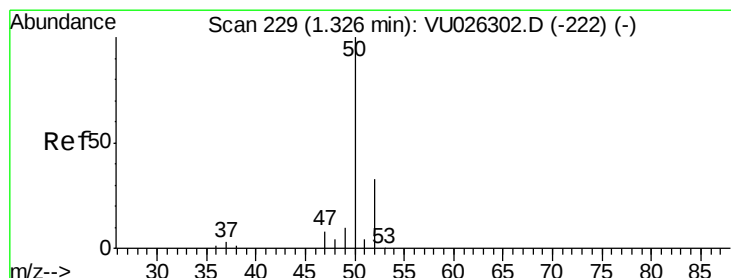
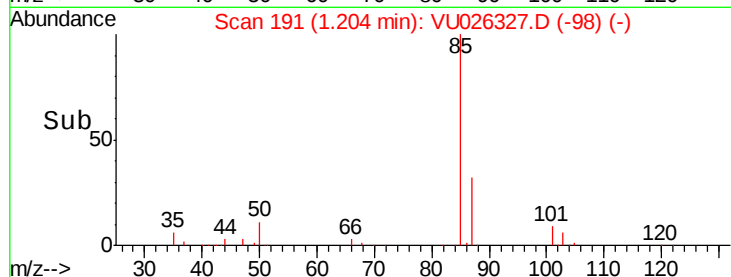
1.20

100000

50000

0

Time-->



#3

Chloromethane

Concen: 48.507 ug/L

RT: 1.33 min Scan# 229

Delta R.T. 0.00 min

Lab File: VU026327.D

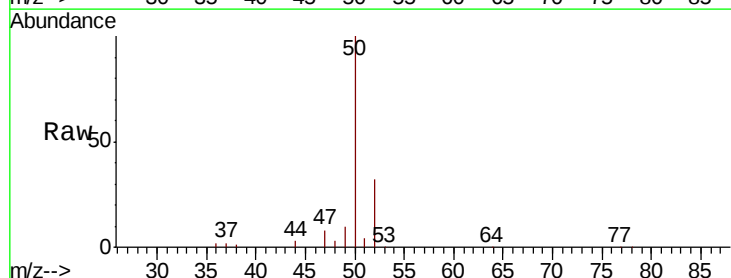
Acq: 24 Aug 2018 12:29

Tgt Ion: 50 Resp: 106471

Ion Ratio Lower Upper

50 100

52 32.2 22.6 42.0



Abundance Ion 50.00 (49.70 to 50.70): VU026327.D (-136) (-)

Ion 52.00 (51.70 to 52.70): VU026327.D (-136) (-)

1.33

120000

100000

80000

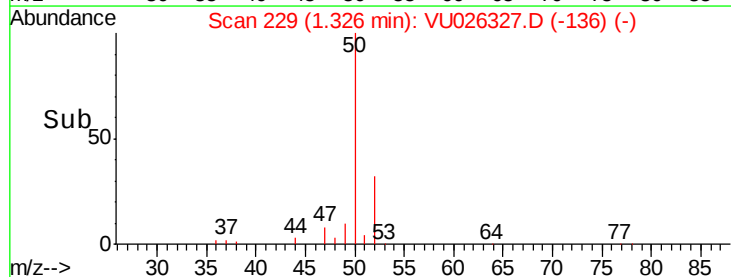
60000

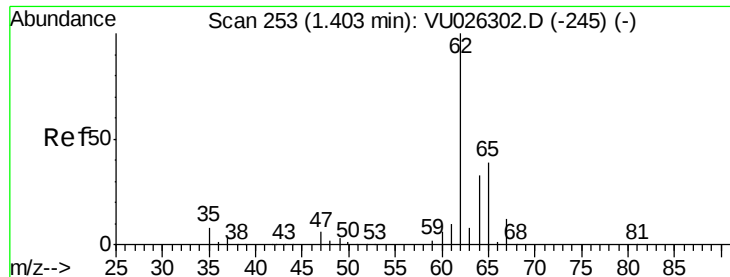
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 48.406 ug/L

RT: 1.40 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU026327.D

Acq: 24 Aug 2018 12:29

Instrument :

MSVOA_U

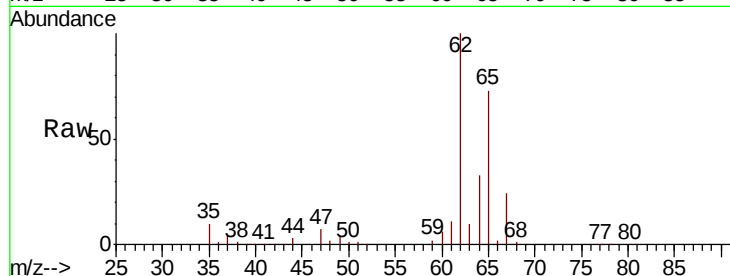
ClientSampleId :

Tot Ion: 62 Resp: 107049

Ion Ratio Lower Upper

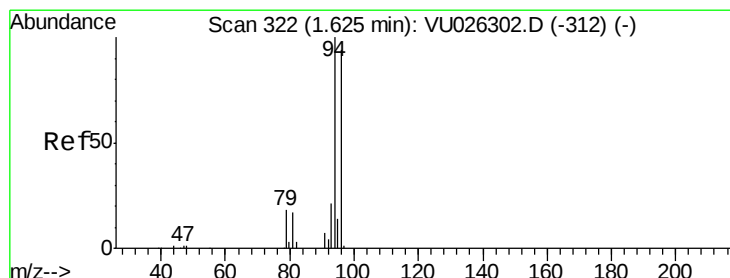
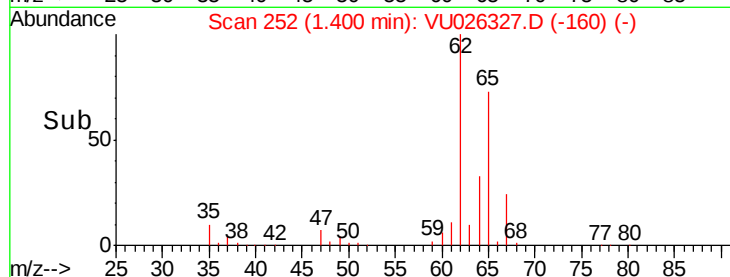
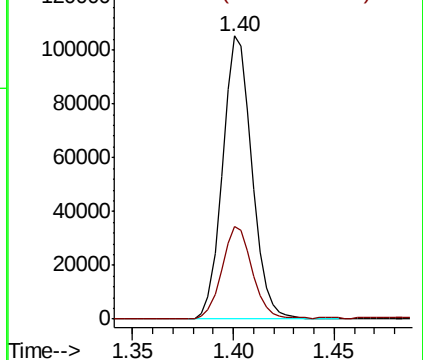
62 100

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



#6

Bromomethane

Concen: 41.856 ug/L

RT: 1.63 min Scan# 322

Delta R.T. 0.00 min

Lab File: VU026327.D

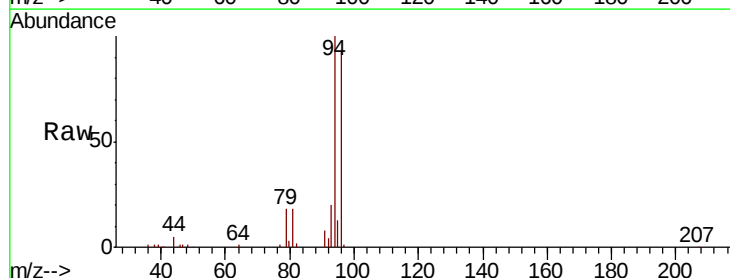
Acq: 24 Aug 2018 12:29

Tgt Ion: 94 Resp: 57553

Ion Ratio Lower Upper

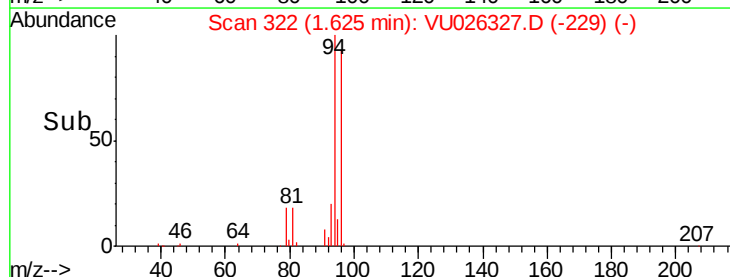
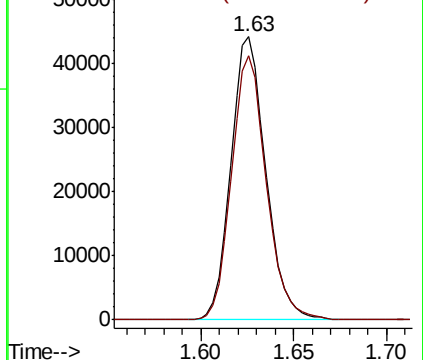
94 100

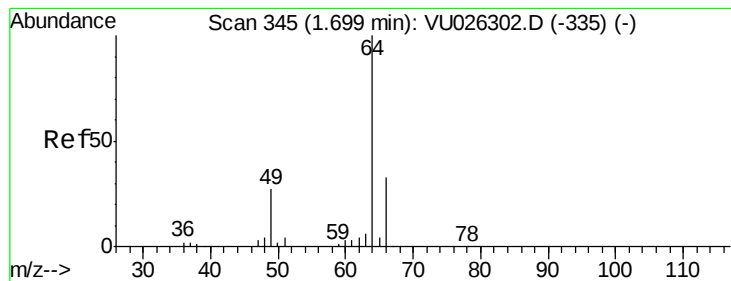
96 93.3 65.9 122.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 48.564 ug/L

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU026327.D

Acq: 24 Aug 2018 12:29

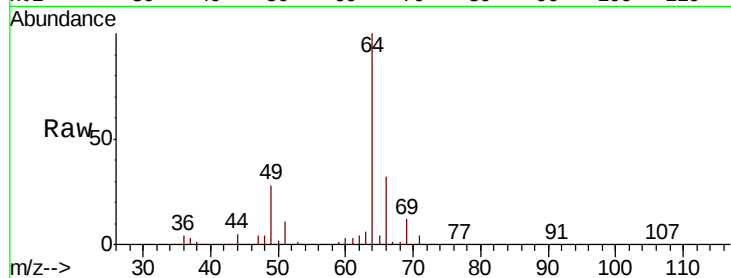
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 64 Resp: 61588

Ion Ratio Lower Upper

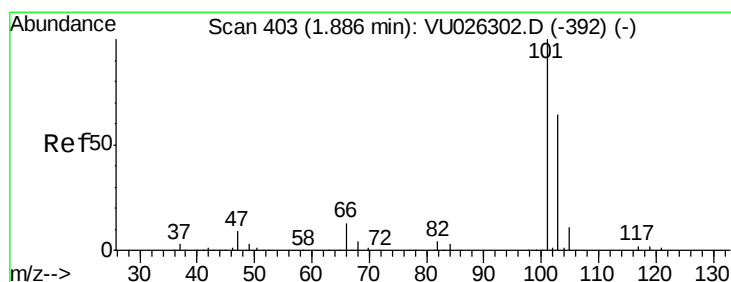
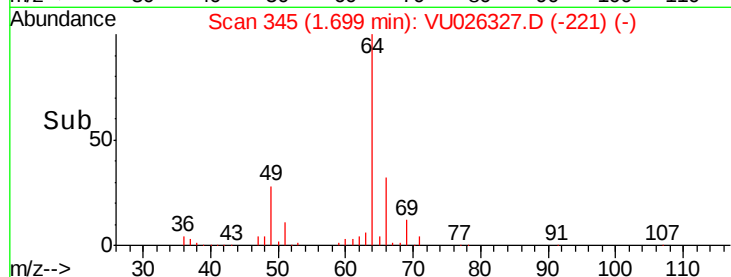
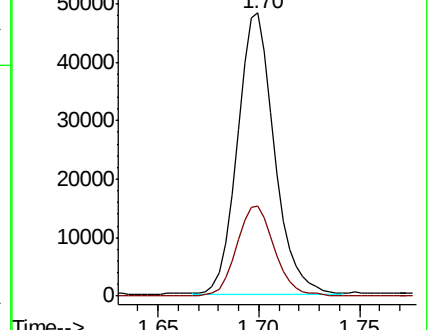
64 100

66 31.8 21.9 40.7



Abundance Ion 64.00 (63.70 to 64.70): VU026327.D (-335) (-)

Ion 66.00 (65.70 to 66.70): VU026327.D (-335) (-)



#9

Trichlorofluoromethane

Concen: 50.197 ug/L

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU026327.D

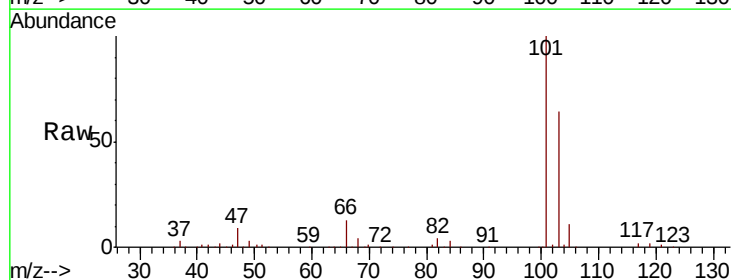
Acq: 24 Aug 2018 12:29

Tgt Ion:101 Resp: 157228

Ion Ratio Lower Upper

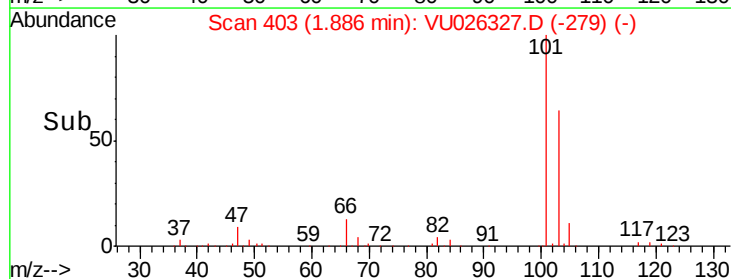
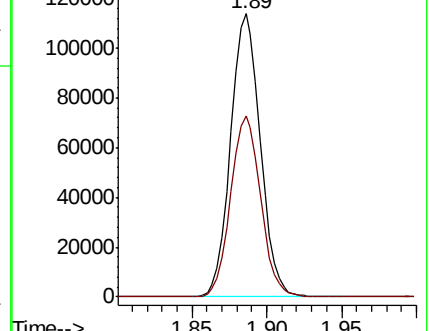
101 100

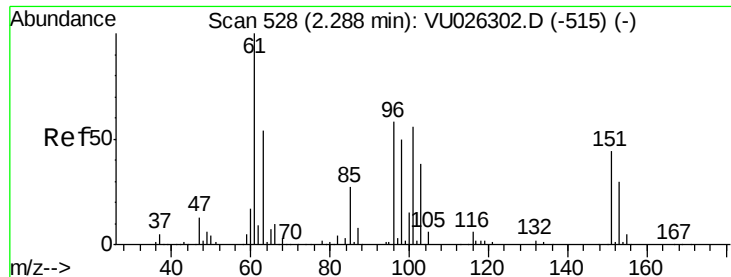
103 64.7 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): VU026327.D (-392) (-)

Ion 103.00 (102.70 to 103.70): VU026327.D (-392) (-)





#10

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

Concen: 53.606 ug/L

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU026327.D

Acq: 24 Aug 2018 12:29

Instrument :

MSVOA_U

ClientSampleId :

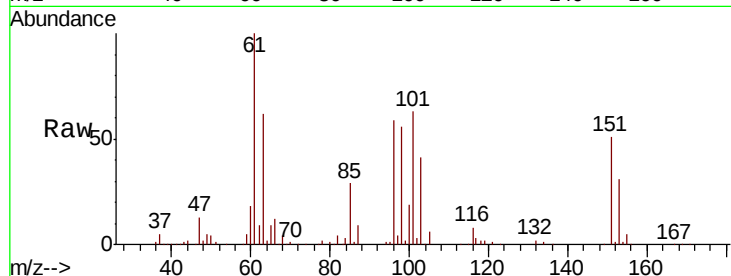
Tot Ion:101 Resp: 93168

Ion Ratio Lower Upper

101 100

85 44.2 35.8 53.6

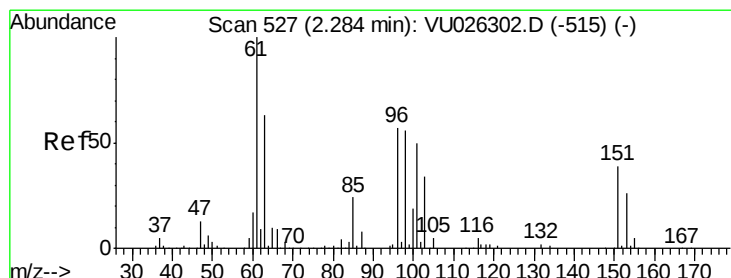
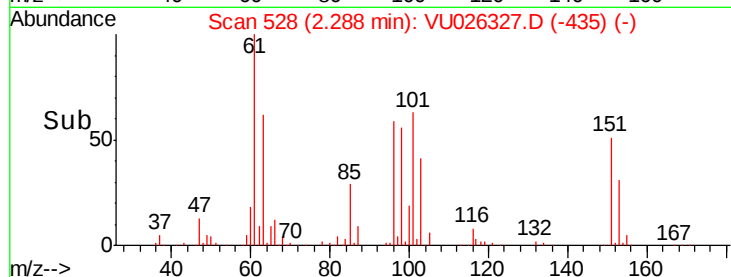
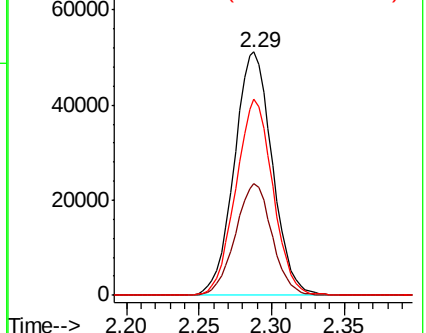
151 78.6 63.3 94.9



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: 50.802 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU026327.D

Acq: 24 Aug 2018 12:29

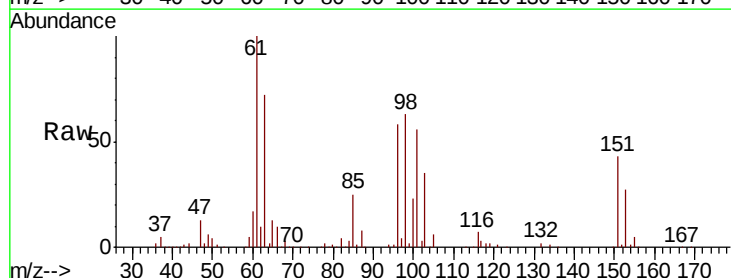
Tgt Ion: 96 Resp: 81068

Ion Ratio Lower Upper

96 100

61 173.2 124.7 231.5

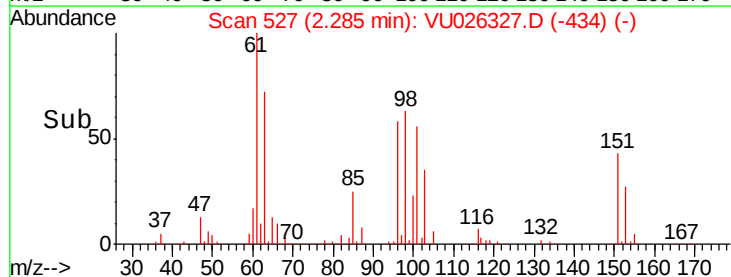
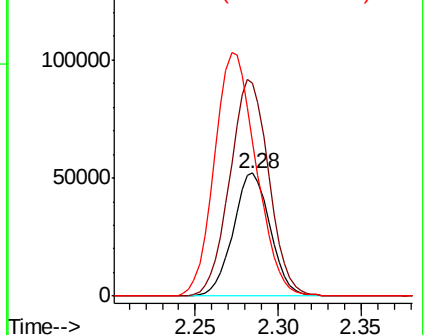
63 125.0 93.7 174.1

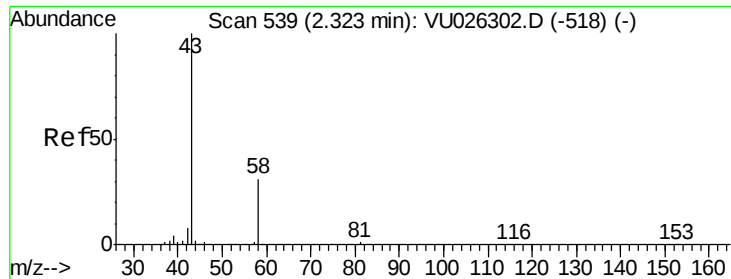


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 104.600 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU026327.D

Acq: 24 Aug 2018 12:29

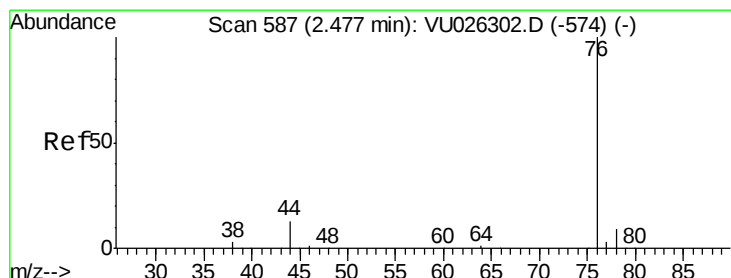
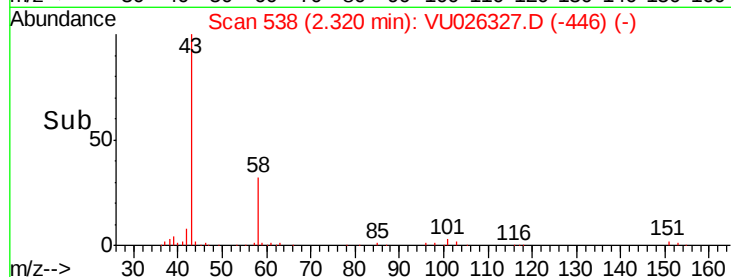
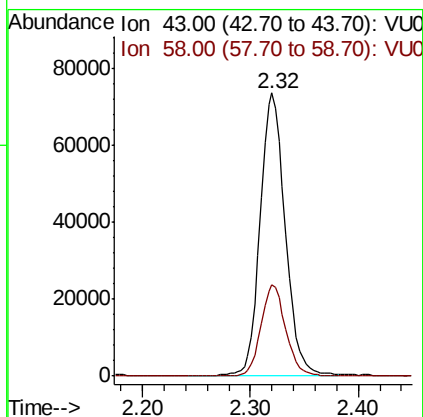
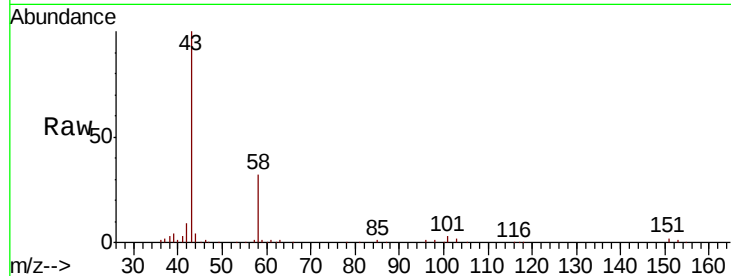
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 119483

Ion Ratio Lower Upper

43 100

58 31.7 0.0 61.2



#14

Carbon disulfide

Concen: 45.822 ug/L

RT: 2.48 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU026327.D

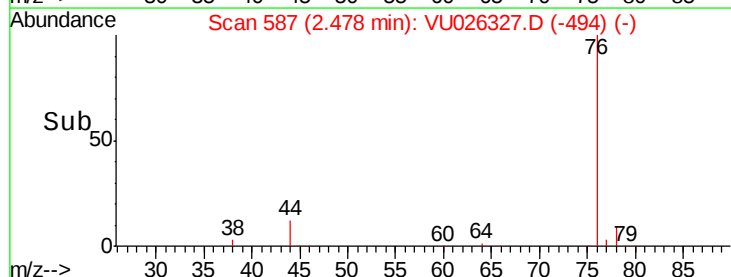
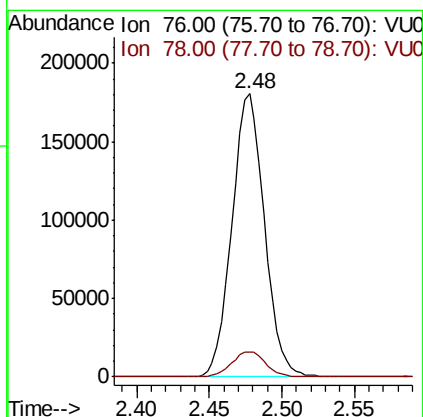
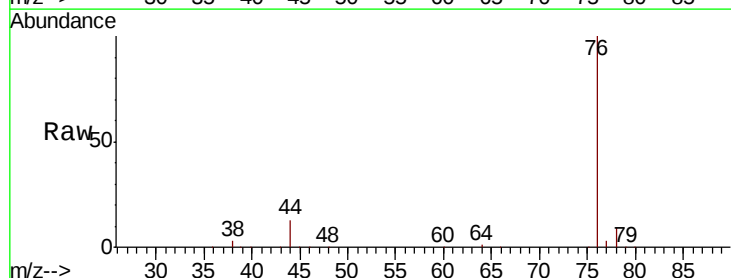
Acq: 24 Aug 2018 12:29

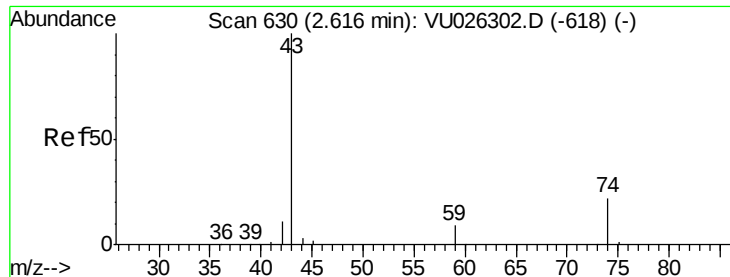
Tgt Ion: 76 Resp: 280516

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8

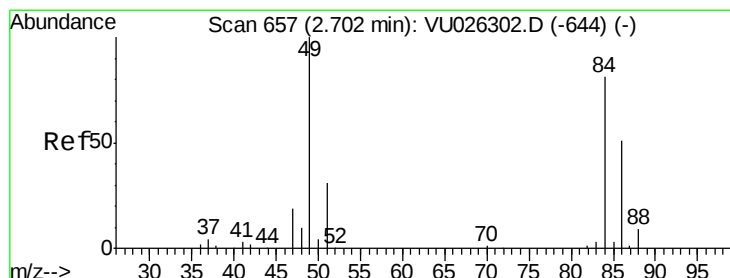
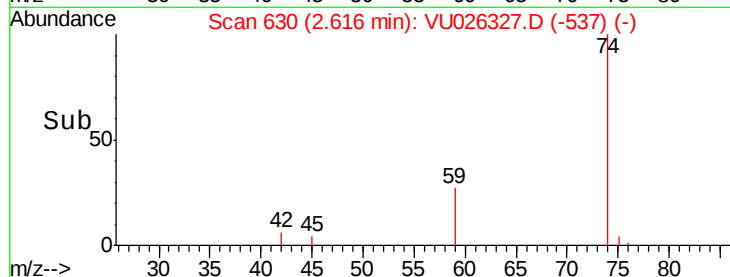
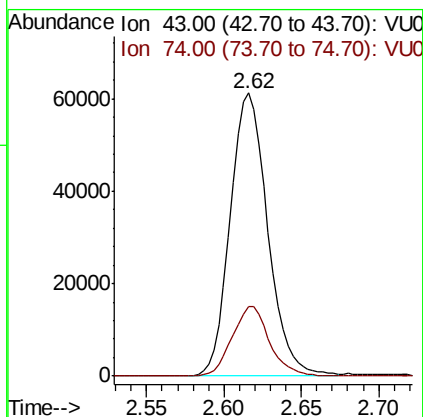
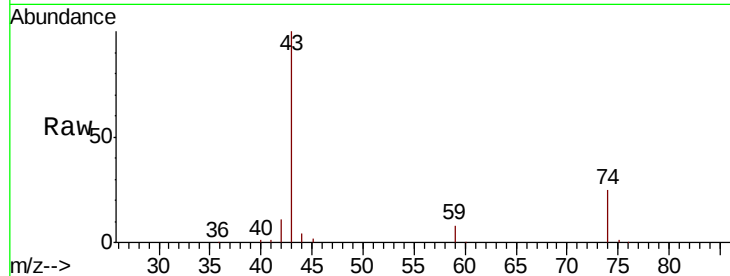




#15
Methvl Acetate
Concen: 46.922 ug/L
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU026327.D
Acq: 24 Aug 2018 12:29

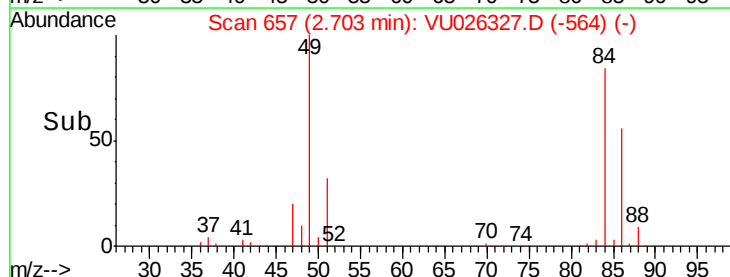
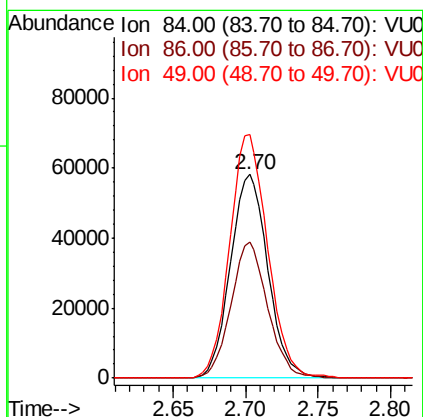
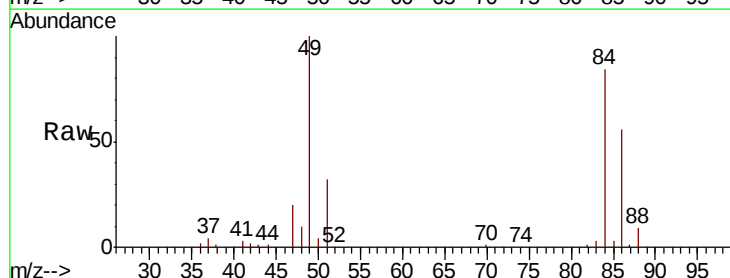
Instrument :
MSVOA_U
ClientSampleId :

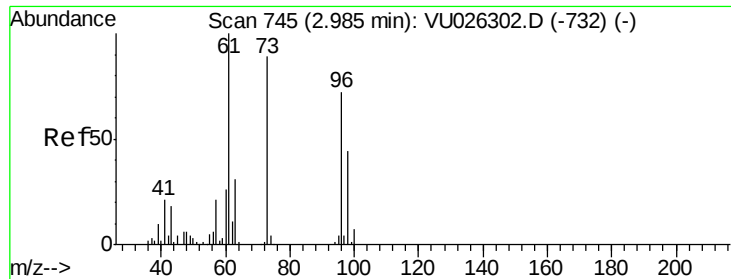
Tot Ion: 43 Resp: 103149
Ion Ratio Lower Upper
43 100
74 24.6 18.6 27.8



#16
Methylene chloride
Concen: 48.644 ug/L
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU026327.D
Acq: 24 Aug 2018 12:29

Tgt Ion: 84 Resp: 104460
Ion Ratio Lower Upper
84 100
86 67.0 45.4 84.4
49 119.6 85.3 158.5





#17

trans-1,2-Dichloroethene

Concen: 48.027 ug/L

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU026327.D

Acq: 24 Aug 2018 12:29

Instrument :
MSVOA_U
ClientSampled :

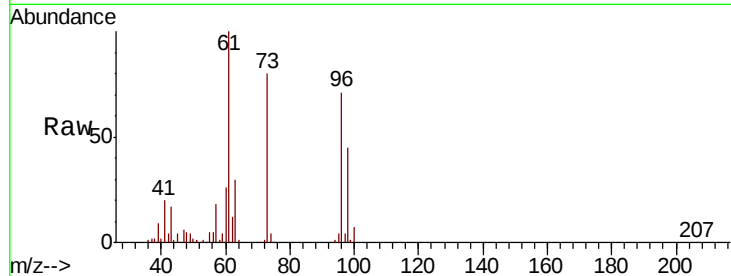
Tot Ion: 96 Resp: 94466

Ion Ratio Lower Upper

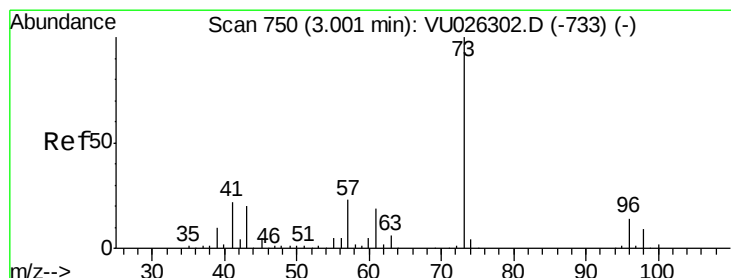
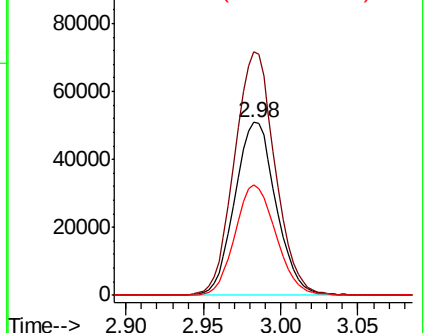
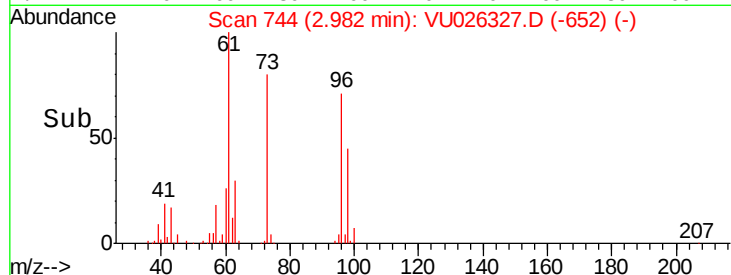
96 100

61 140.8 97.9 181.9

98 63.8 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: 48.911 ug/L

RT: 3.00 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU026327.D

Acq: 24 Aug 2018 12:29

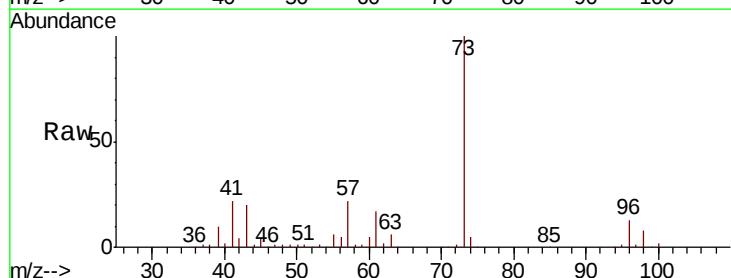
Tgt Ion: 73 Resp: 288205

Ion Ratio Lower Upper

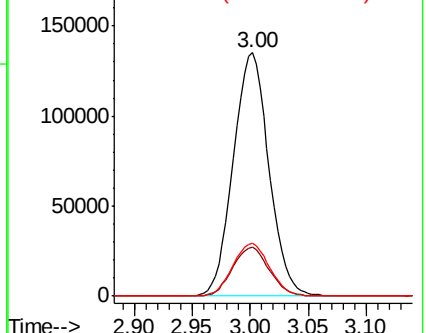
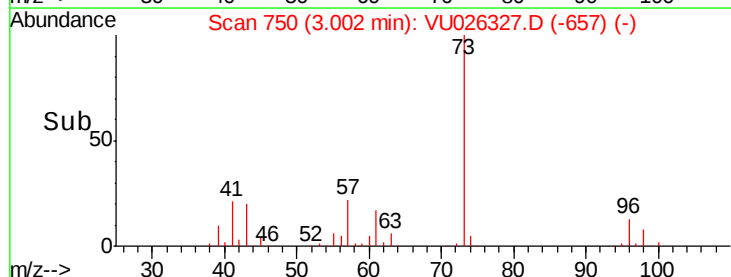
73 100

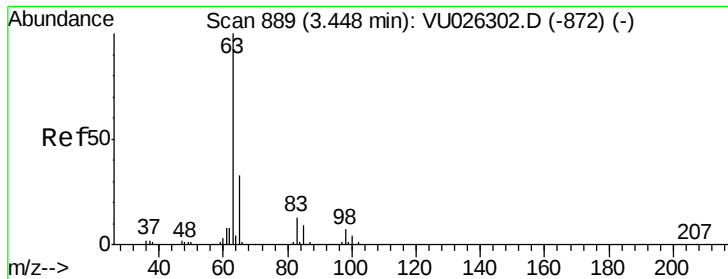
43 20.7 15.7 23.5

57 22.2 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

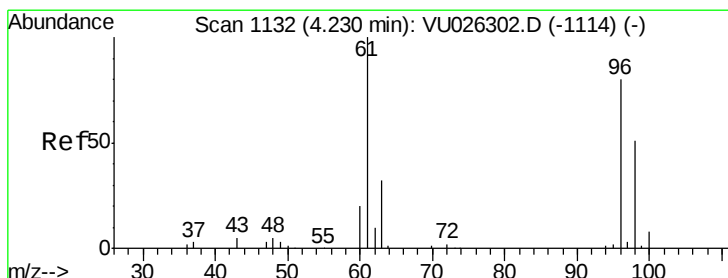
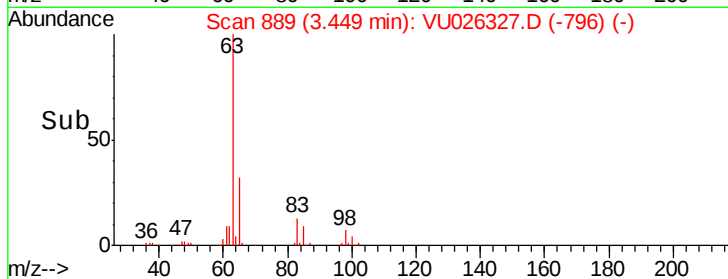
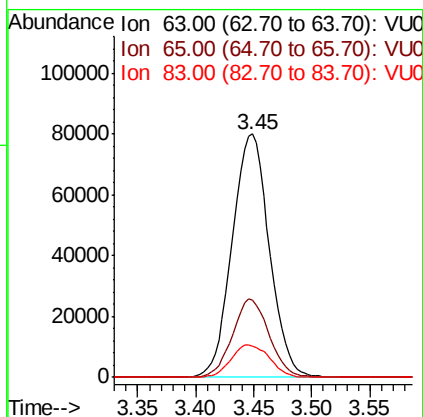
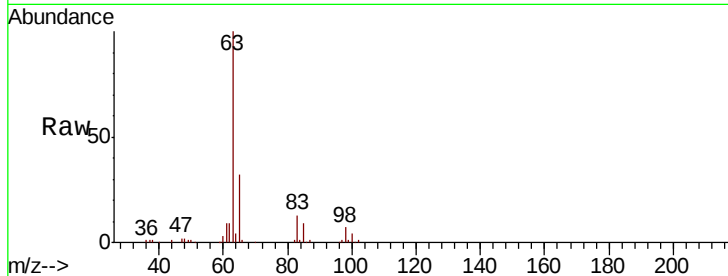




#19
 1,1-Dichloroethane
 Concen: 49.641 ug/L
 RT: 3.45 min Scan# 889
 Delta R.T. 0.00 min
 Lab File: VU026327.D
 Acq: 24 Aug 2018 12:29

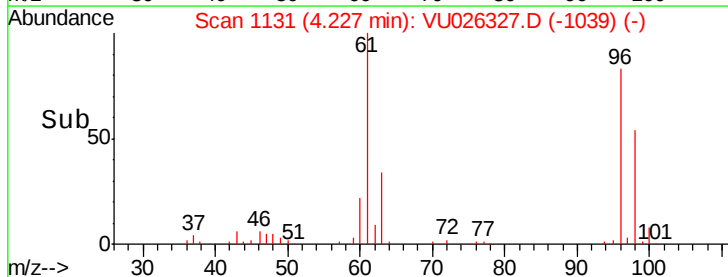
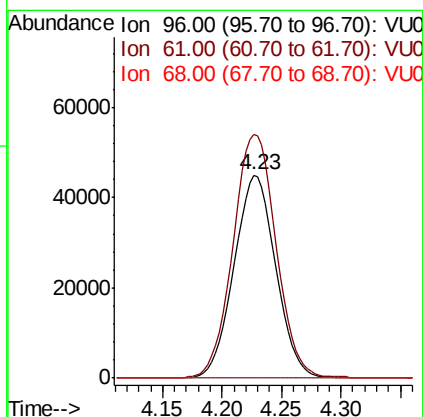
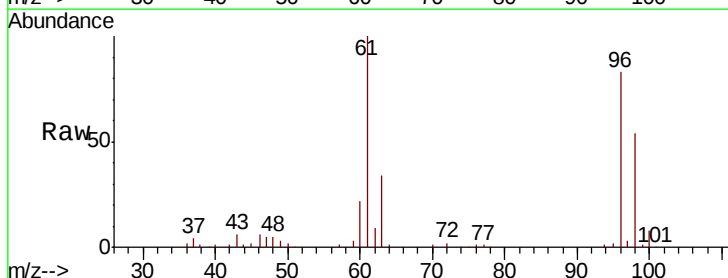
Instrument :
 MSVOA_U
 ClientSampled :

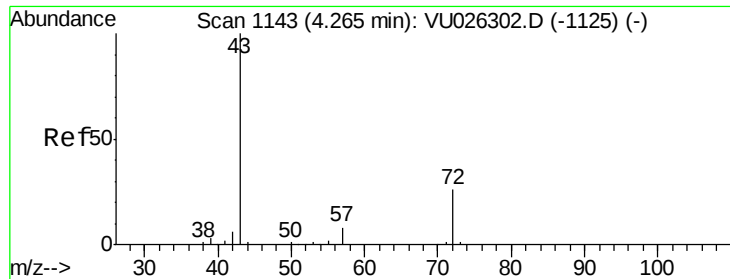
Tot Ion: 63 Resp: 177806
 Ion Ratio Lower Upper
 63 100
 65 31.5 21.4 39.8
 83 13.0 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 50.367 ug/L
 RT: 4.23 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VU026327.D
 Acq: 24 Aug 2018 12:29

Tgt Ion: 96 Resp: 109353
 Ion Ratio Lower Upper
 96 100
 61 120.0 90.3 167.7
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 97.229 ug/L

RT: 4.26 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU026327.D

Acq: 24 Aug 2018 12:29

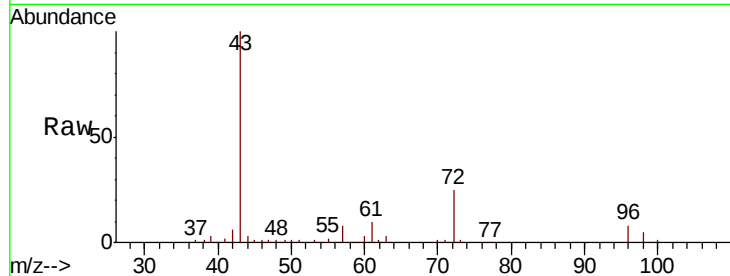
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 148592

Ion Ratio Lower Upper

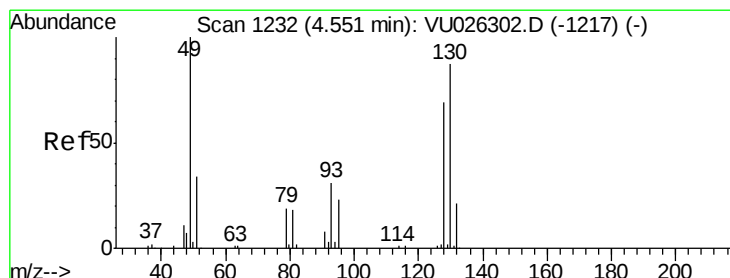
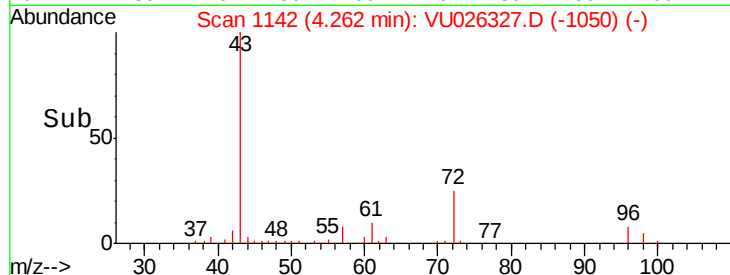
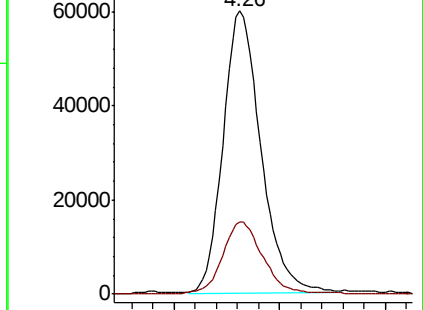
43 100

72 27.2 14.1 42.3



Abundance Ion 43.00 (42.70 to 43.70): VU026327.D (-1142) (-)

Ion 72.00 (71.70 to 72.70): VU026327.D (-1142) (-)



#23

Bromochloromethane

Concen: 50.225 ug/L

RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU026327.D

Acq: 24 Aug 2018 12:29

Tgt Ion:128 Resp: 58317

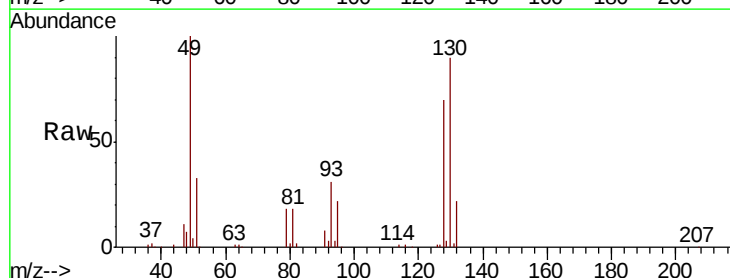
Ion Ratio Lower Upper

128 100

49 143.4 106.7 198.3

130 129.3 91.7 170.3

51 47.0 38.0 57.0

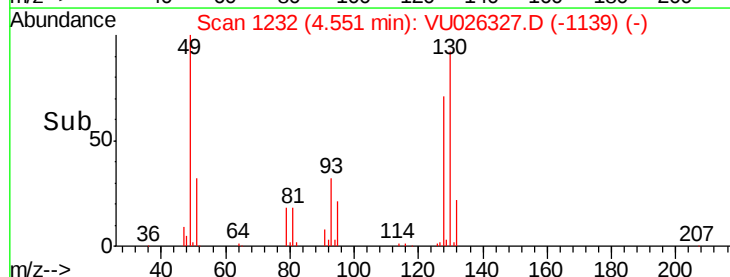
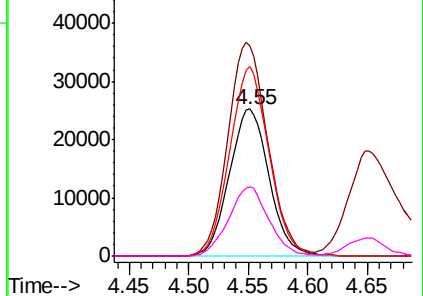


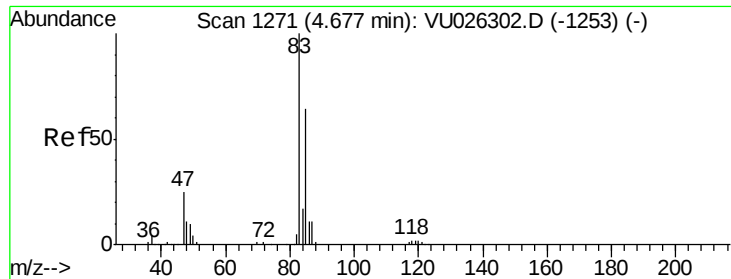
Abundance Ion 128.00 (127.70 to 128.70): VU026327.D (-1232) (-)

Ion 49.00 (48.70 to 49.70): VU026327.D (-1232) (-)

Ion 130.00 (129.70 to 130.70): VU026327.D (-1232) (-)

Ion 51.00 (50.70 to 51.70): VU026327.D (-1232) (-)





#25

Chloroform

Concen: 49.344 ug/L

RT: 4.68 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VU026327.D

Acq: 24 Aug 2018 12:29

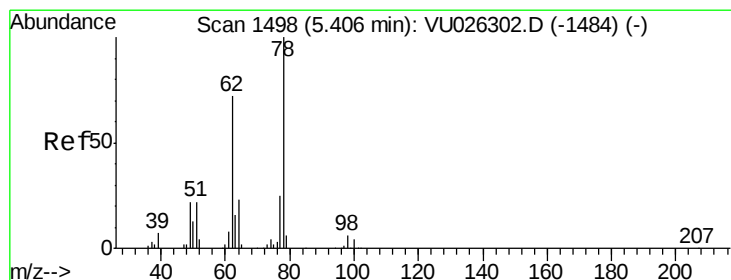
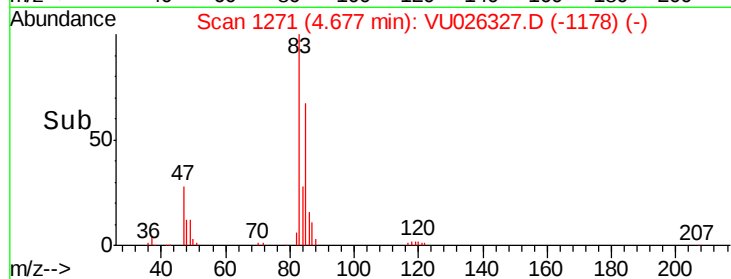
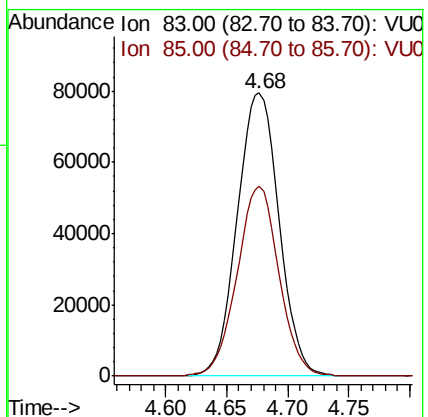
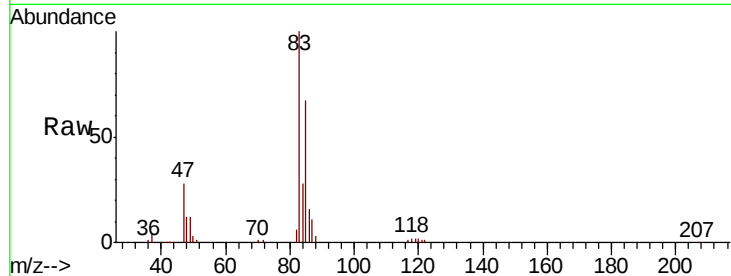
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 188685

Ion Ratio Lower Upper

83 100

85 66.9 45.0 83.6



#27

1,2-Dichloroethane

Concen: 48.147 ug/L

RT: 5.41 min Scan# 1498

Delta R.T. 0.00 min

Lab File: VU026327.D

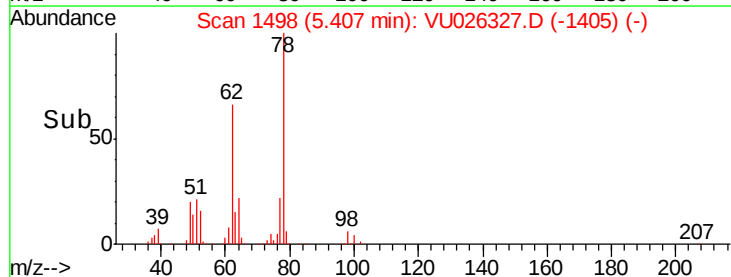
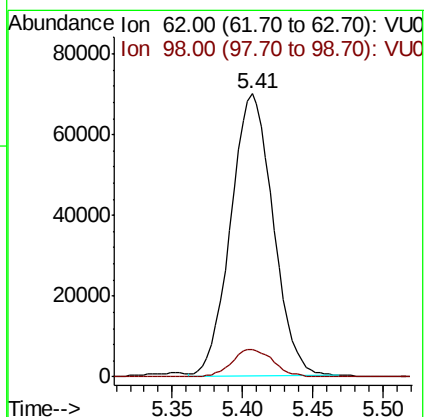
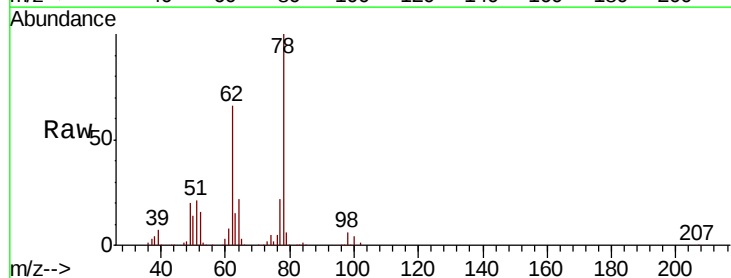
Acq: 24 Aug 2018 12:29

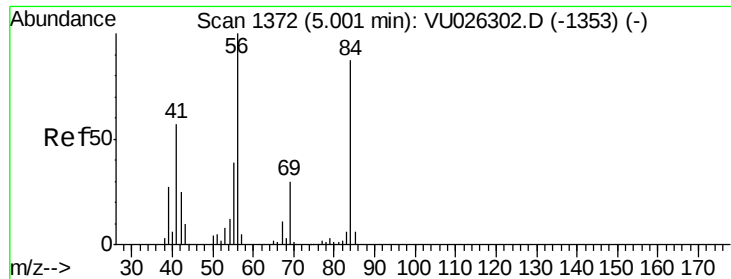
Tgt Ion: 62 Resp: 146658

Ion Ratio Lower Upper

62 100

98 9.5 7.2 10.8

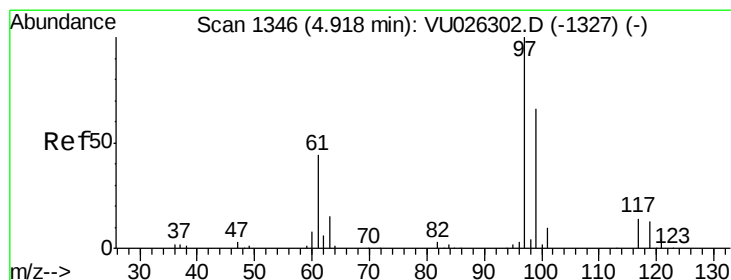
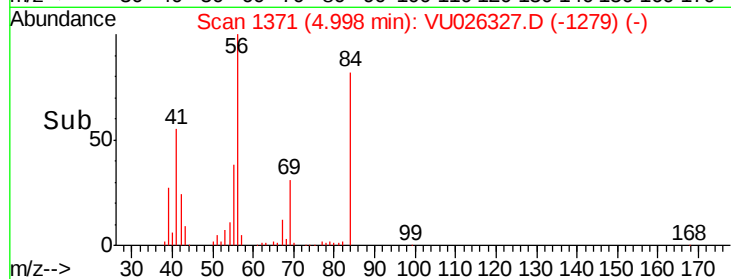
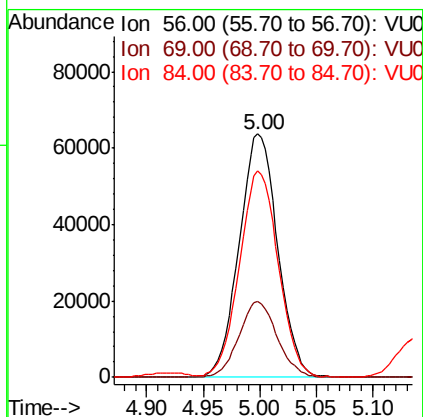
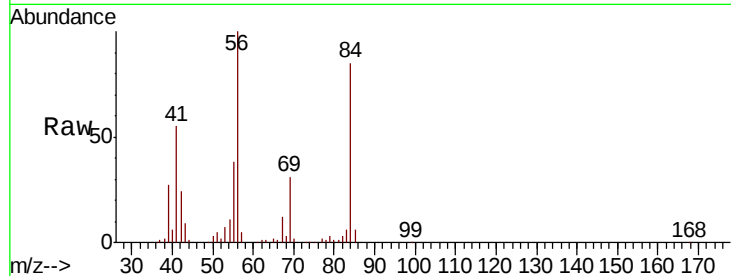




#29
Cyclohexane
Concen: 50.757 ug/L
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU026327.D
Acq: 24 Aug 2018 12:29

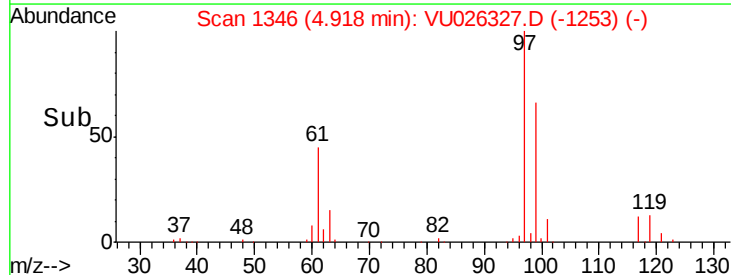
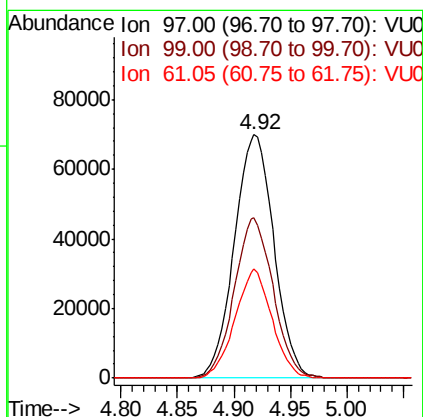
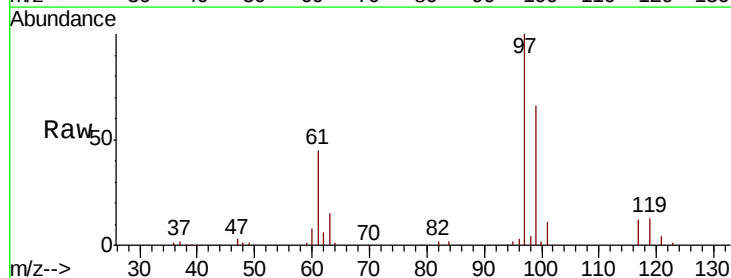
Instrument :
MSVOA_U
ClientSampleId :

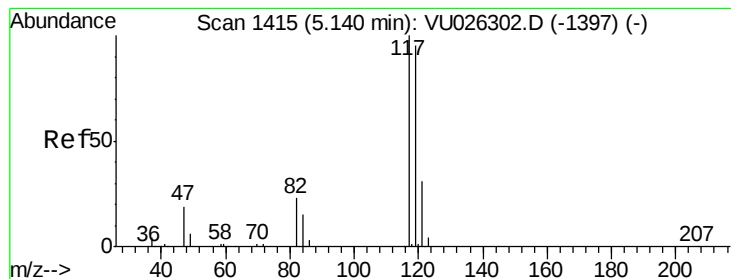
Tot Ion: 56 Resp: 151140
Ion Ratio Lower Upper
56 100
69 30.7 24.6 37.0
84 85.5 70.1 105.1



#30
1,1,1-Trichloroethane
Concen: 50.538 ug/L
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU026327.D
Acq: 24 Aug 2018 12:29

Tgt Ion: 97 Resp: 170495
Ion Ratio Lower Upper
97 100
99 64.4 52.0 78.0
61 41.8 34.2 51.4





#31

Carbon tetrachloride

Concen: 49.006 ug/L

RT: 5.14 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VU026327.D

Acq: 24 Aug 2018 12:29

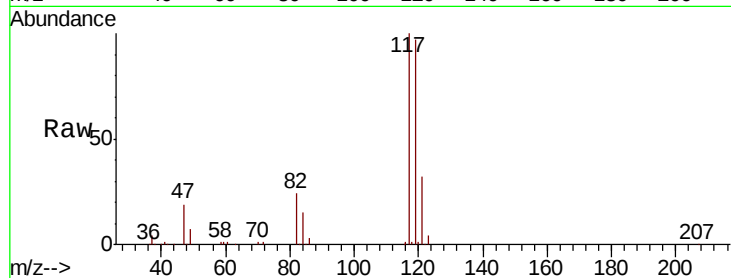
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 155432

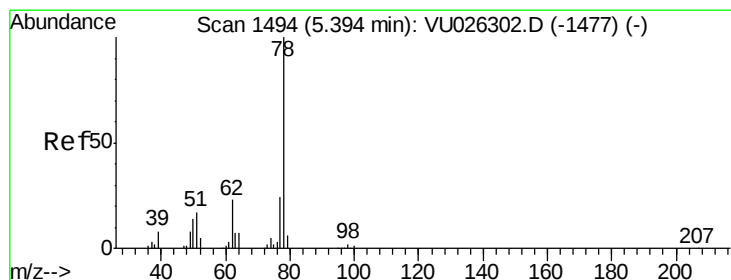
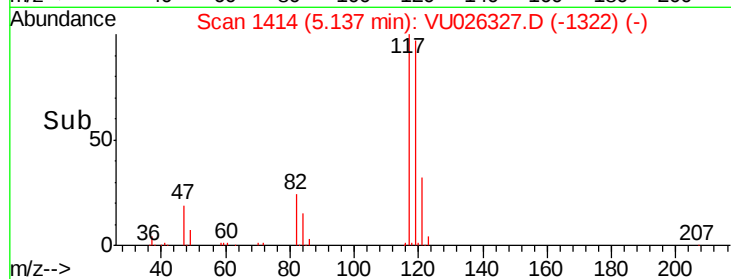
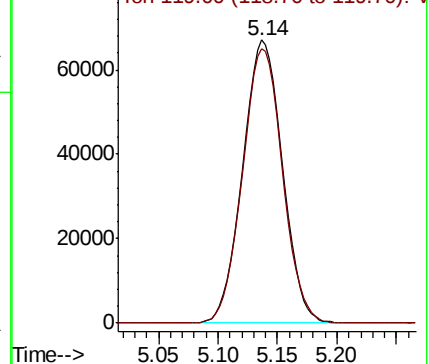
Ion Ratio Lower Upper

117 100

119 97.5 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: 50.085 ug/L

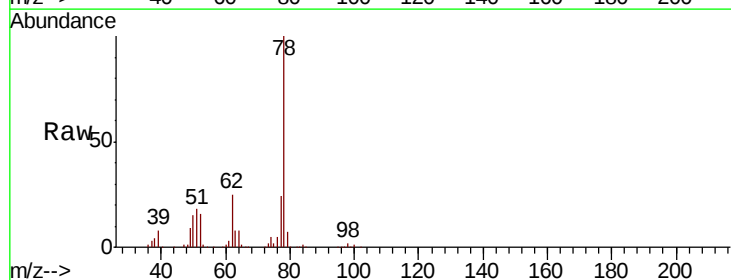
RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

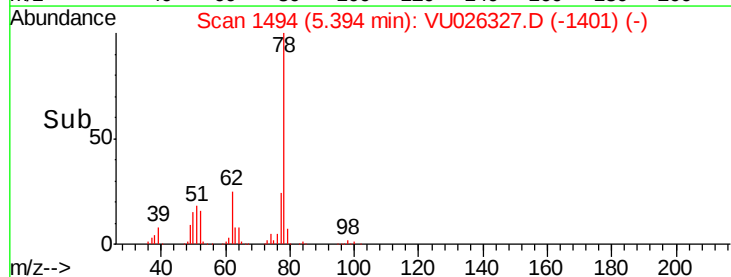
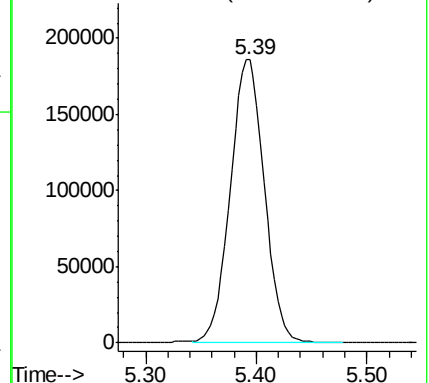
Lab File: VU026327.D

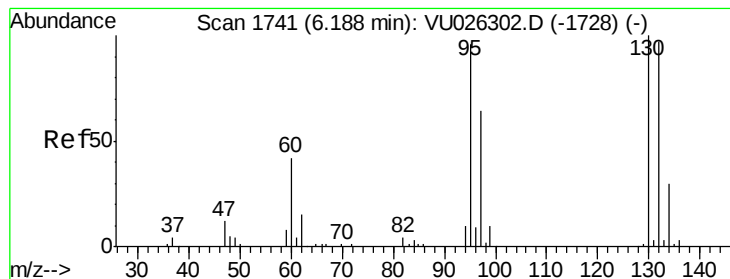
Acq: 24 Aug 2018 12:29

Tgt Ion: 78 Resp: 396470



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 51.566 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU026327.D

Acq: 24 Aug 2018 12:29

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 95 Resp: 107938

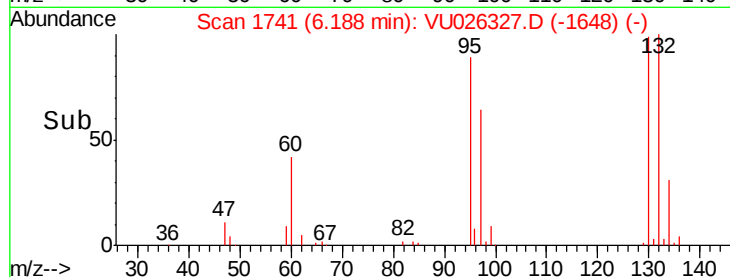
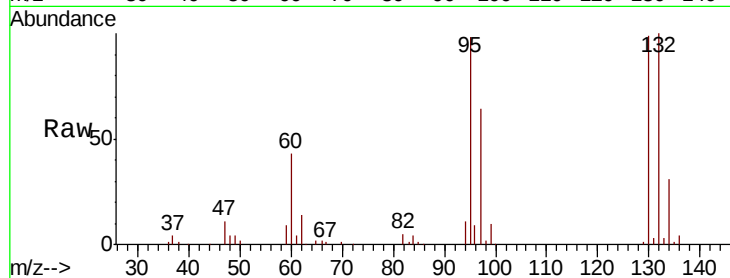
Ion Ratio Lower Upper

95 100

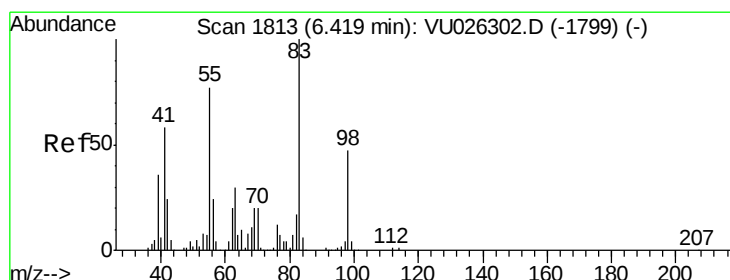
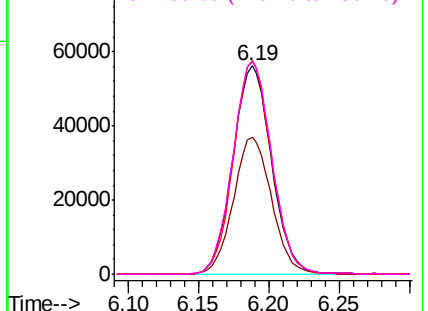
97 65.9 47.2 87.6

132 102.6 70.2 130.4

130 102.0 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: 50.404 ug/L

RT: 6.42 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VU026327.D

Acq: 24 Aug 2018 12:29

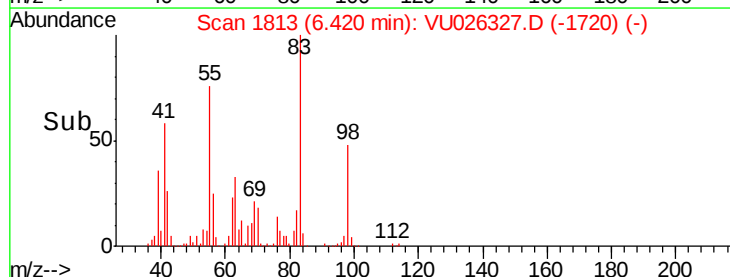
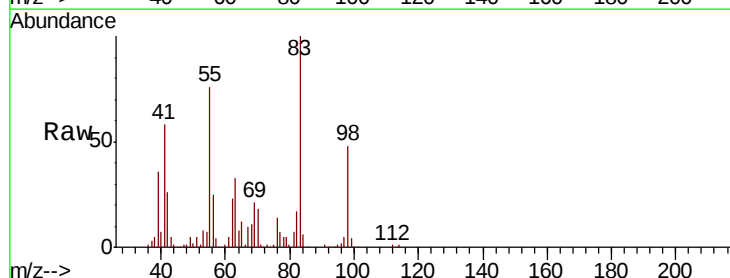
Tgt Ion: 83 Resp: 161336

Ion Ratio Lower Upper

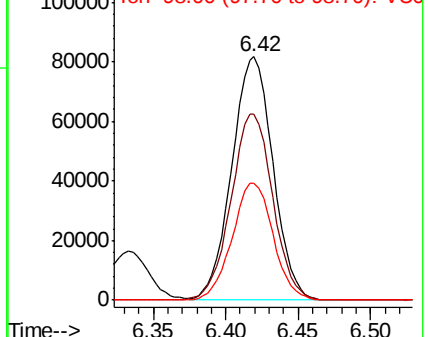
83 100

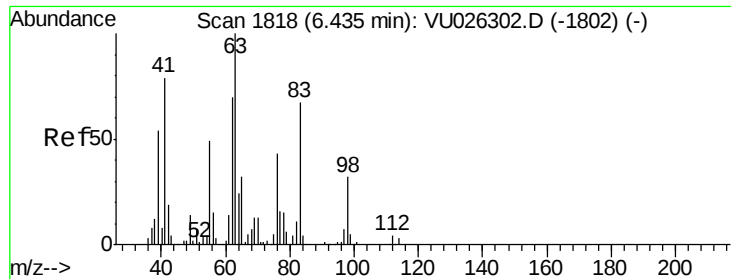
55 77.6 60.6 91.0

98 47.8 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

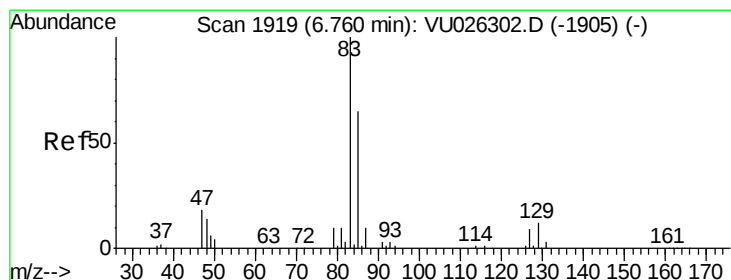
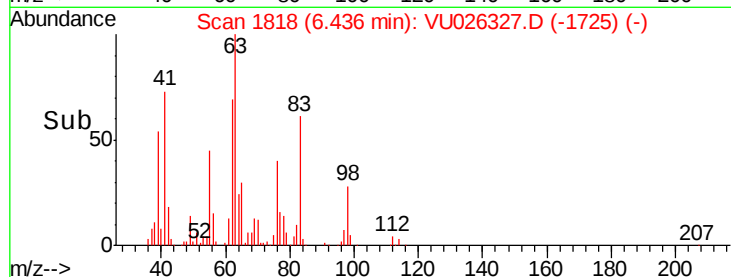
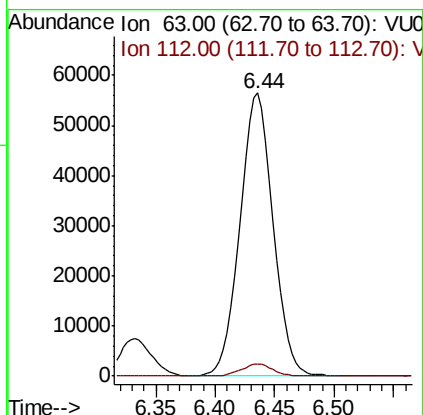
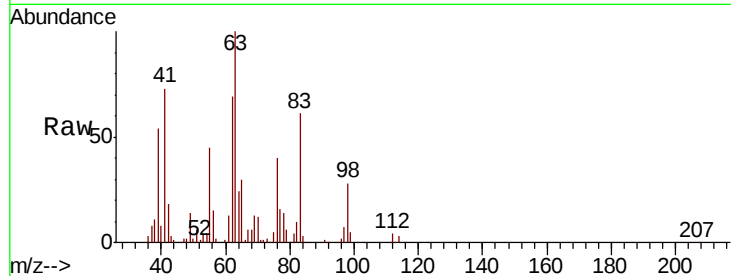




#37
 1,2-Dichloropropane
 Concen: 50.307 ug/L
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU026327.D
 Acq: 24 Aug 2018 12:29

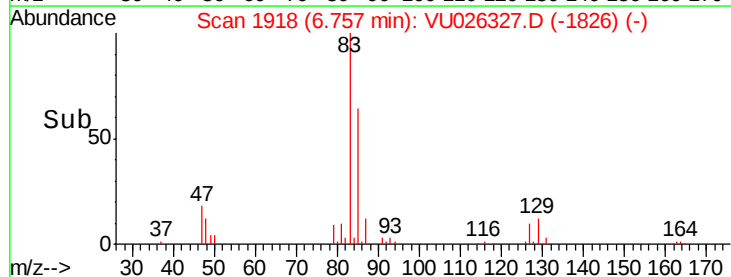
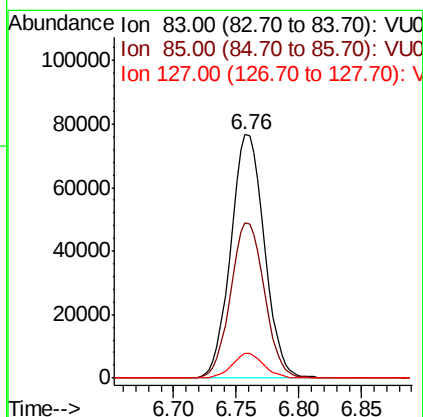
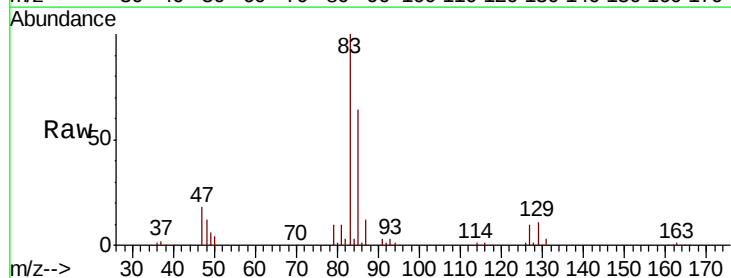
Instrument :
 MSVOA_U
 ClientSampleId :

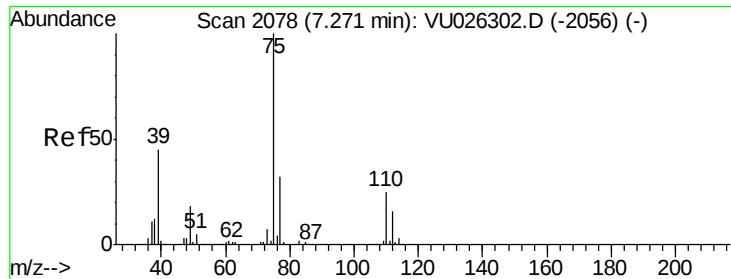
Tot Ion: 63 Resp: 108833
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.4 5.2



#38
 Bromodichloromethane
 Concen: 49.408 ug/L
 RT: 6.76 min Scan# 1918
 Delta R.T. -0.00 min
 Lab File: VU026327.D
 Acq: 24 Aug 2018 12:29

Tgt Ion: 83 Resp: 142927
 Ion Ratio Lower Upper
 83 100
 85 63.7 46.3 86.1
 127 10.2 7.8 11.6



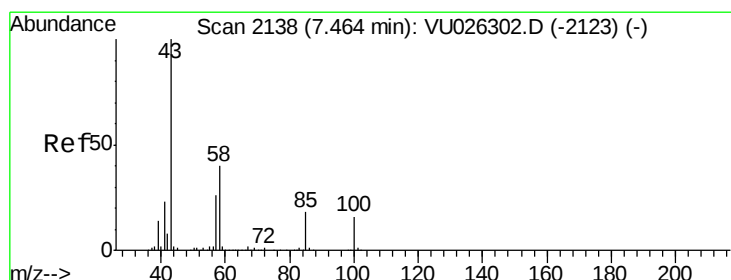
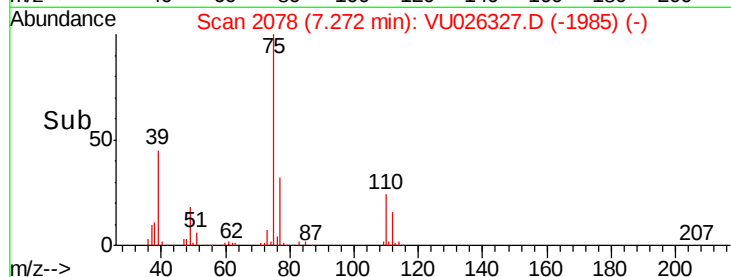
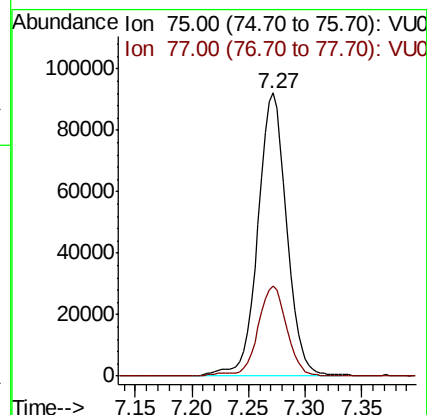
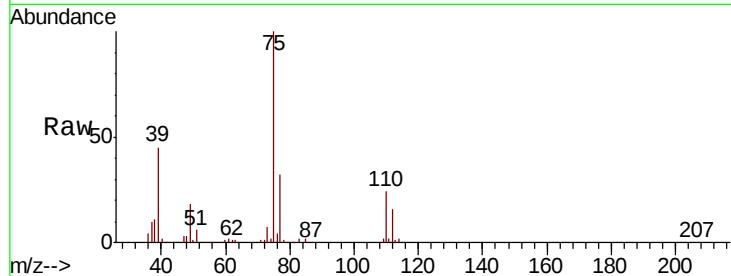


#39

cis-1,3-Dichloropropene
 Concen: 49.859 ug/L
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU026327.D
 Acq: 24 Aug 2018 12:29

Instrument :
 MSVOA_U
 ClientSampled :

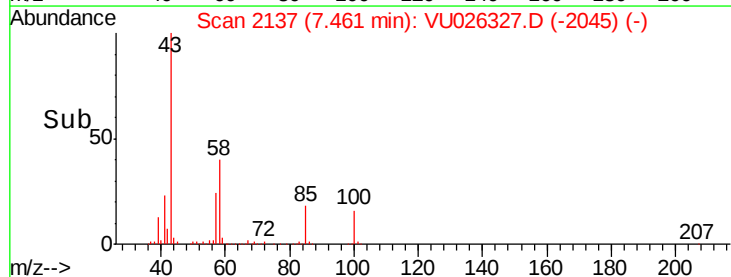
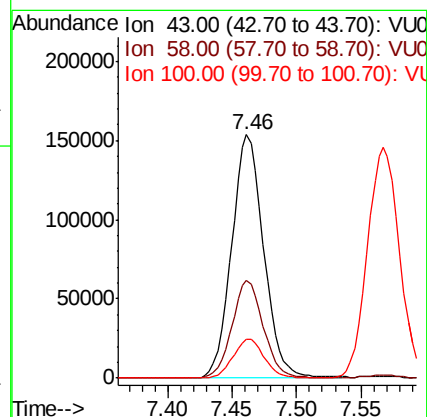
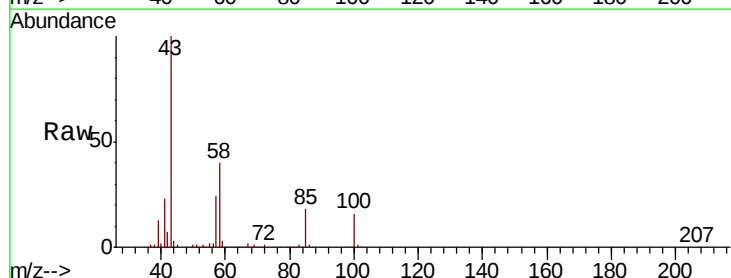
Tot Ion: 75 Resp: 163839
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.0 40.8

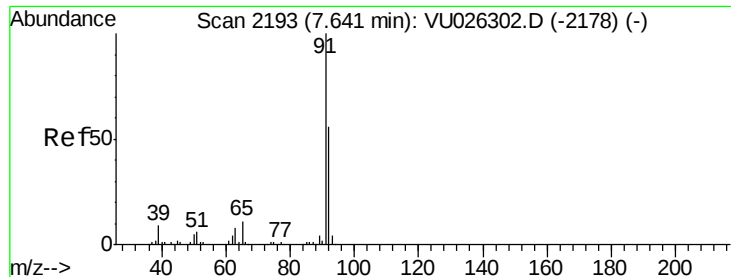


#40

4-Methyl-2-pentanone
 Concen: 96.561 ug/L
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU026327.D
 Acq: 24 Aug 2018 12:29

Tgt Ion: 43 Resp: 264751
 Ion Ratio Lower Upper
 43 100
 58 39.1 31.6 47.4
 100 15.7 12.3 18.5





#42

Toluene

Concen: 50.895 ug/L

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU026327.D

Acq: 24 Aug 2018 12:29

Instrument :

MSVOA_U

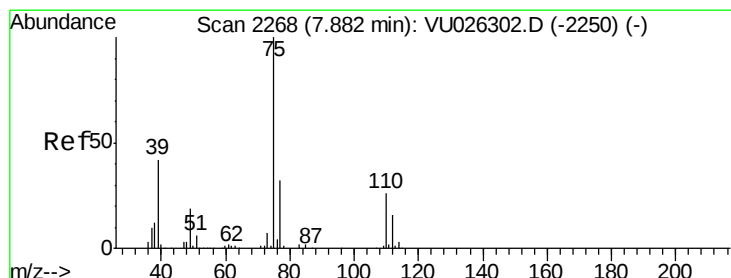
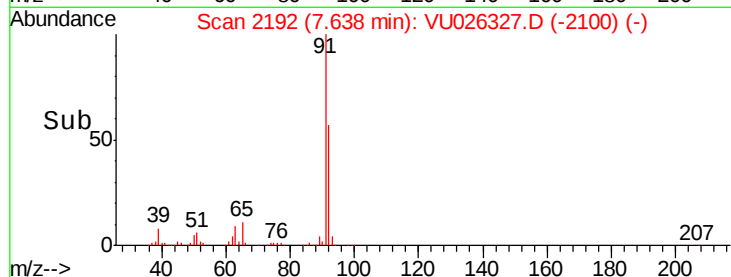
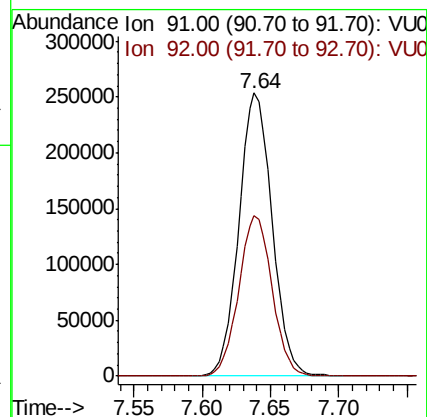
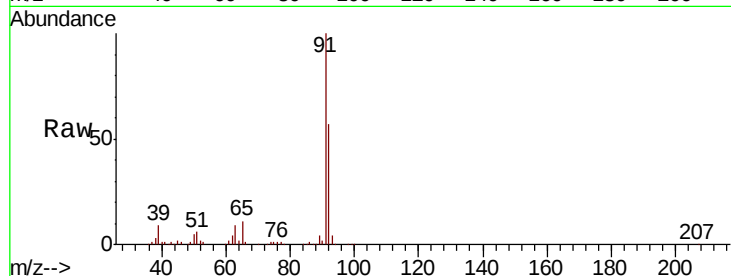
ClientSampleId :

Tot Ion: 91 Resp: 428673

Ion Ratio Lower Upper

91 100

92 56.7 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 49.346 ug/L

RT: 7.88 min Scan# 2267

Delta R.T. -0.00 min

Lab File: VU026327.D

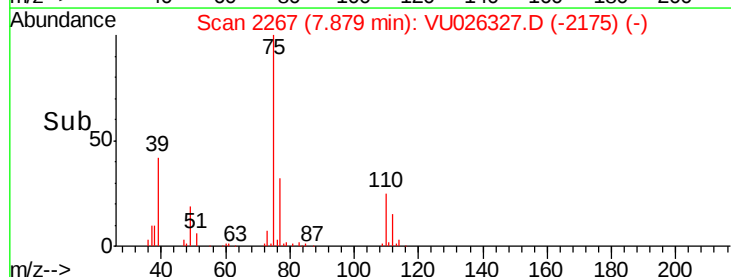
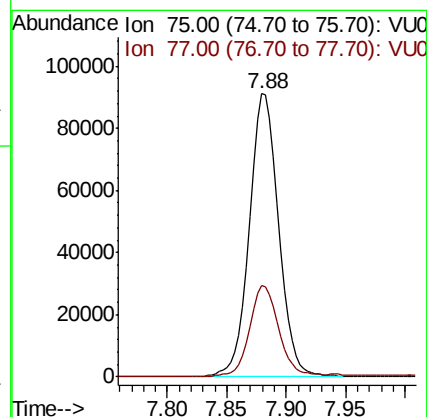
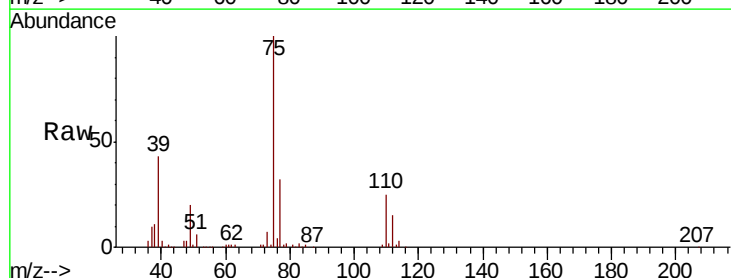
Acq: 24 Aug 2018 12:29

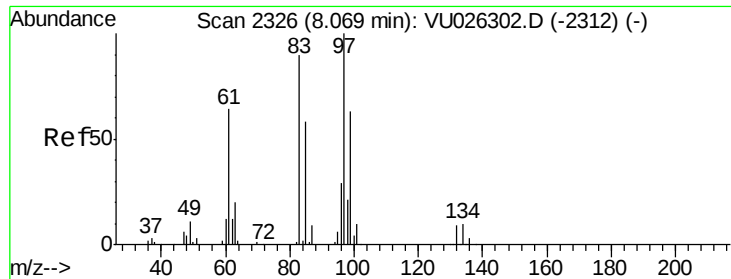
Tgt Ion: 75 Resp: 156023

Ion Ratio Lower Upper

75 100

77 32.1 22.0 41.0

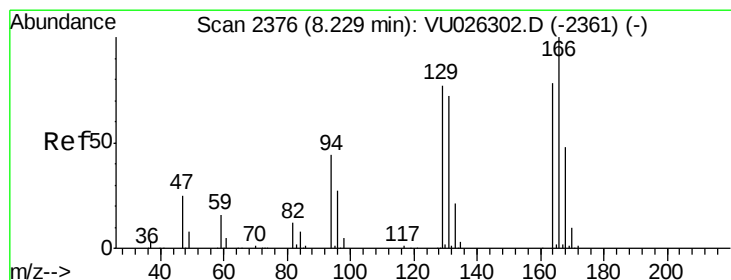
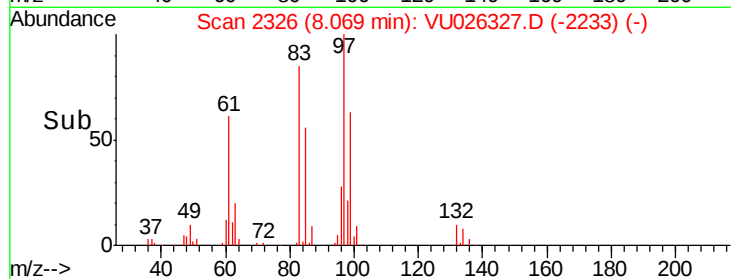
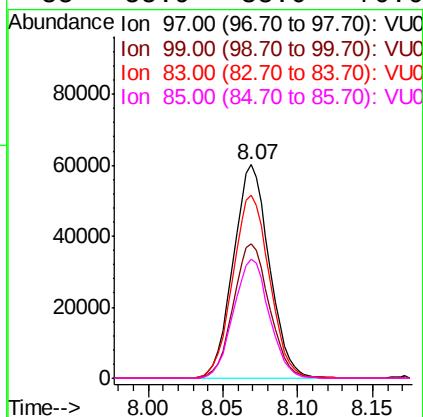
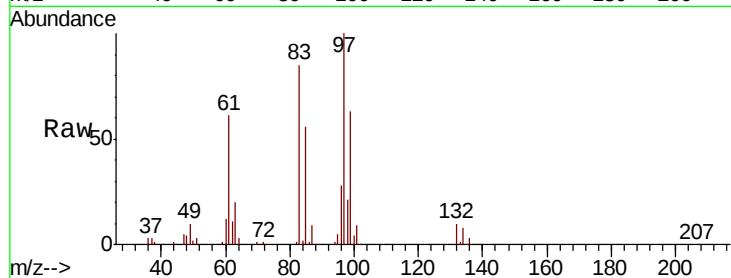




#45
 1,1,2-Trichloroethane
 Concen: 49.470 ug/L
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU026327.D
 Acq: 24 Aug 2018 12:29

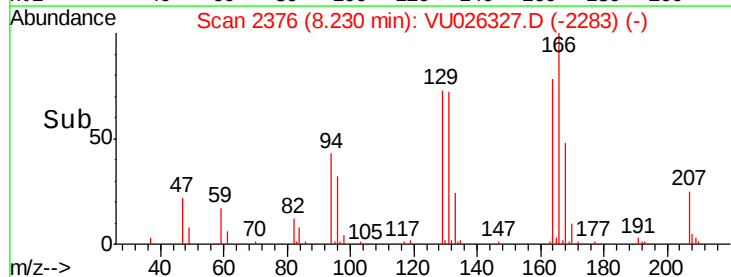
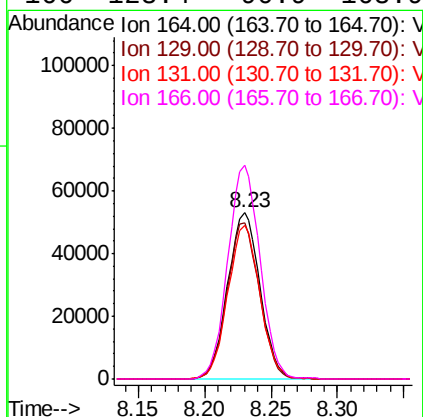
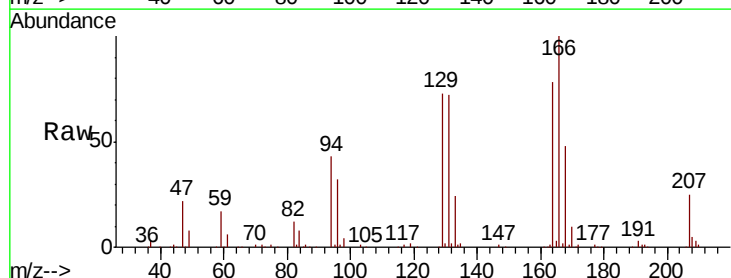
Instrument :
 MSVOA_U
 ClientSampleId :

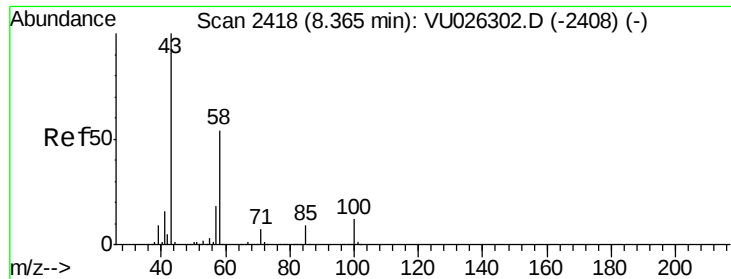
Tot Ion:	97	Resp:	101099
Ion	Ratio	Lower	Upper
97	100		
99	63.0	44.0	81.6
83	85.4	59.2	110.0
85	55.9	38.0	70.6



#46
 Tetrachloroethene
 Concen: 50.055 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU026327.D
 Acq: 24 Aug 2018 12:29

Tgt Ion:	164	Resp:	90156
Ion	Ratio	Lower	Upper
164	100		
129	93.8	67.3	124.9
131	92.7	65.5	121.7
166	128.4	90.9	168.9

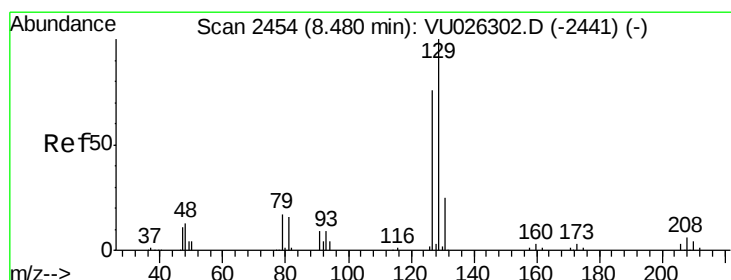
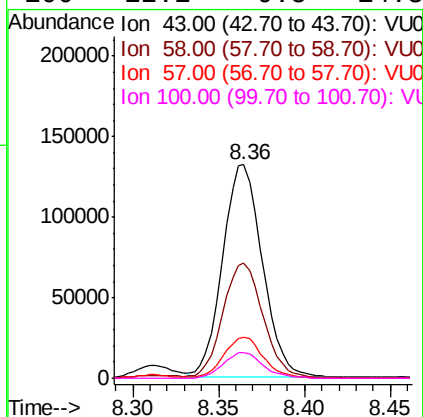
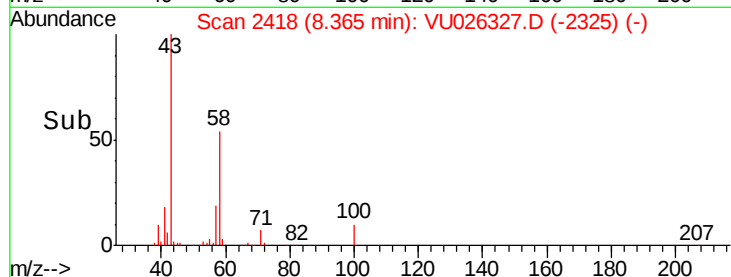
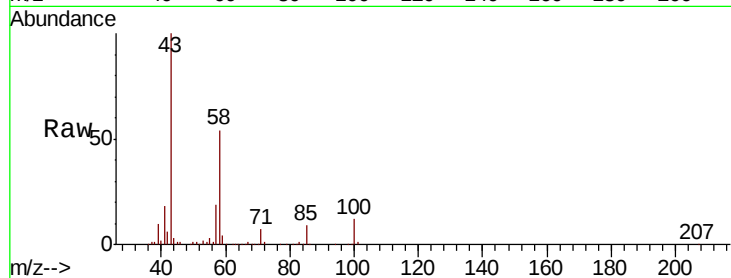




#48
2-Hexanone
Concen: 96.379 ug/L
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU026327.D
Acq: 24 Aug 2018 12:29

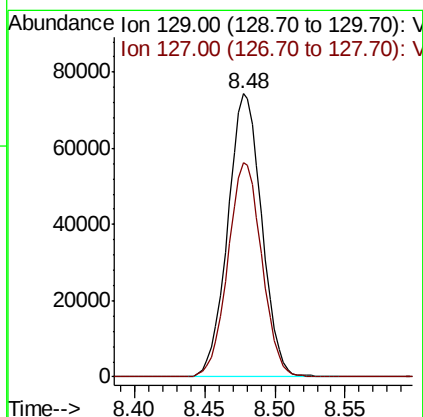
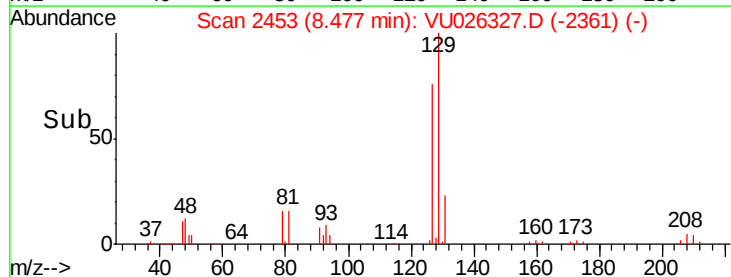
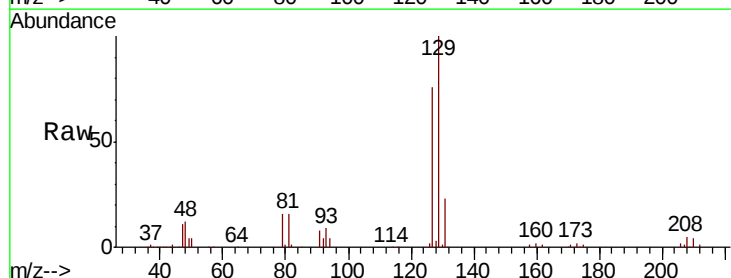
Instrument :
MSVOA_U
ClientSampleId :

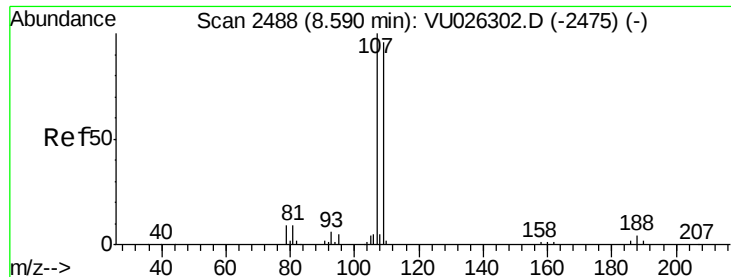
Tot Ion:	43	Resp:	212666
Ion	Ratio	Lower	Upper
43	100		
58	54.7	42.6	63.8
57	19.3	15.1	22.7
100	12.1	9.5	14.3



#49
Dibromochloromethane
Concen: 49.904 ug/L
RT: 8.48 min Scan# 2453
Delta R.T. -0.00 min
Lab File: VU026327.D
Acq: 24 Aug 2018 12:29

Tgt Ion:	129	Resp:	125341
Ion	Ratio	Lower	Upper
129	100		
127	75.6	53.8	100.0

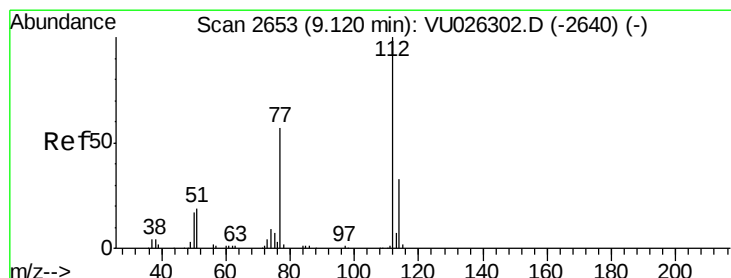
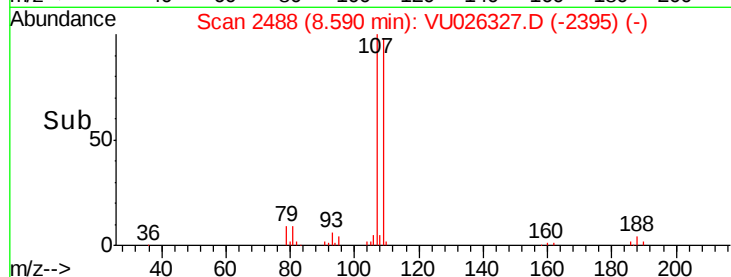
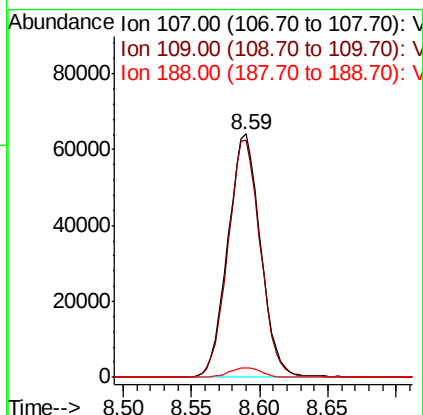
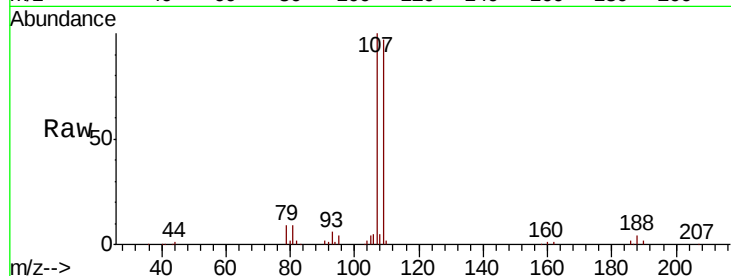




#50
 1,2-Dibromoethane
 Concen: 47.414 ug/L
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU026327.D
 Acq: 24 Aug 2018 12:29

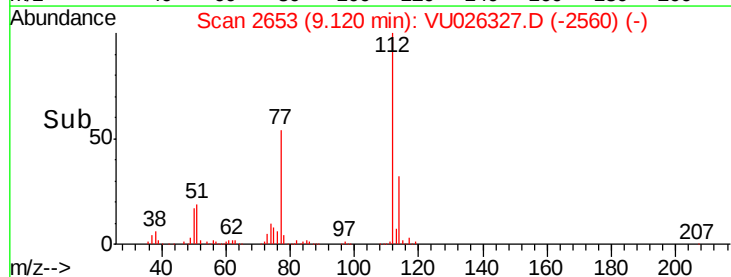
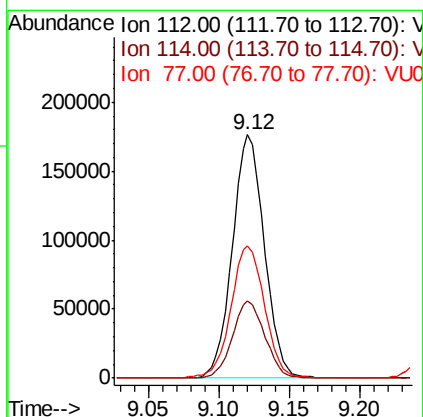
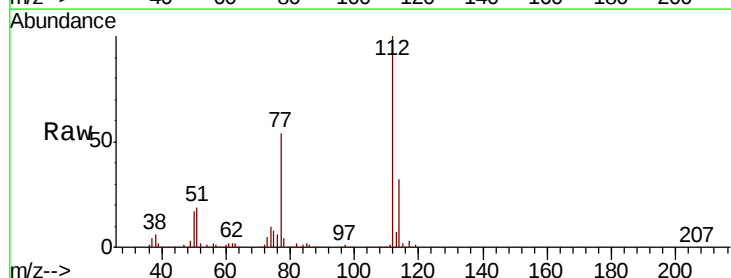
Instrument :
 MSVOA_U
 ClientSampleId :

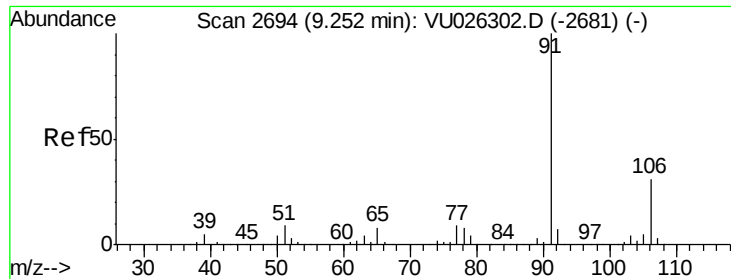
Tot Ion	Ratio	Lower	Upper
107	100		
109	97.3	65.2	121.0
188	3.9	3.4	5.2



#51
 Chlorobenzene
 Concen: 48.675 ug/L
 RT: 9.12 min Scan# 2653
 Delta R.T. 0.00 min
 Lab File: VU026327.D
 Acq: 24 Aug 2018 12:29

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.5	22.5	41.9
77	54.5	45.4	68.2





#52

Ethylbenzene

Concen: 50.222 ug/L

RT: 9.25 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VU026327.D

Acq: 24 Aug 2018 12:29

Instrument :

MSVOA_U

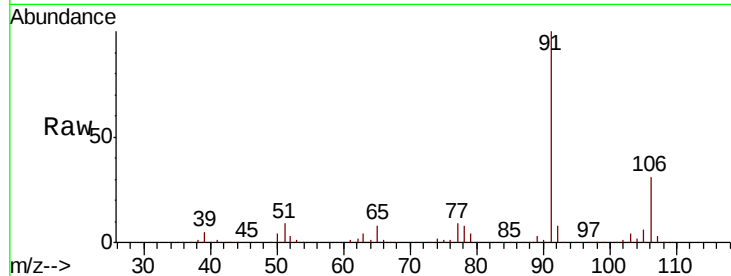
ClientSampleId :

Tot Ion: 91 Resp: 460748

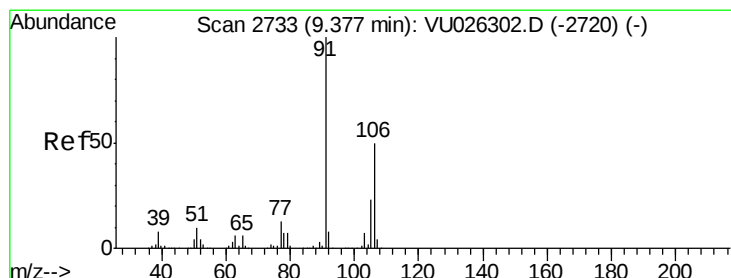
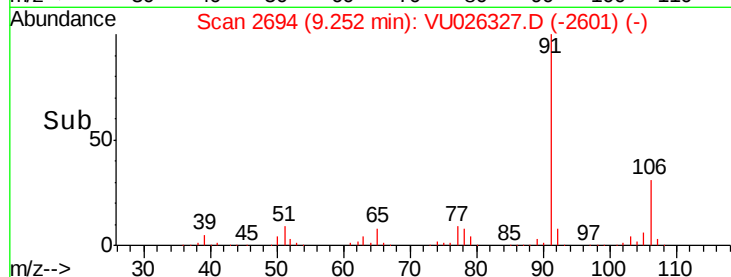
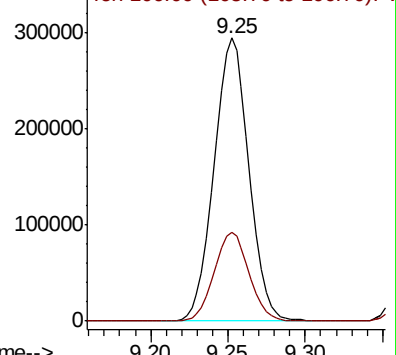
Ion Ratio Lower Upper

91 100

106 31.4 22.3 41.5



Abundance Ion 91.00 (90.70 to 91.70): VU026327.D (-2601) (-)



#53

m,p-Xylene

Concen: 51.931 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU026327.D

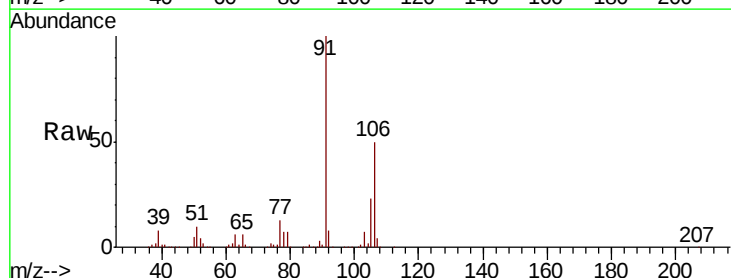
Acq: 24 Aug 2018 12:29

Tgt Ion: 106 Resp: 184141

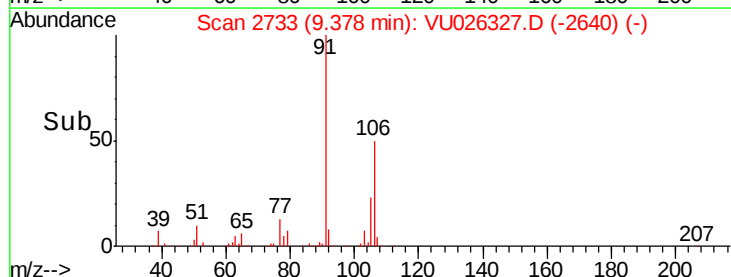
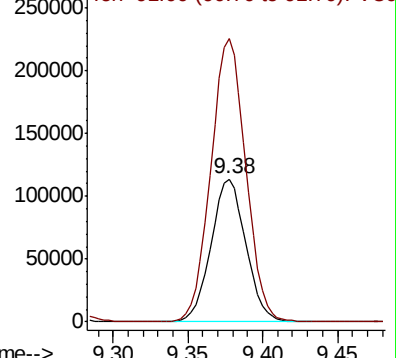
Ion Ratio Lower Upper

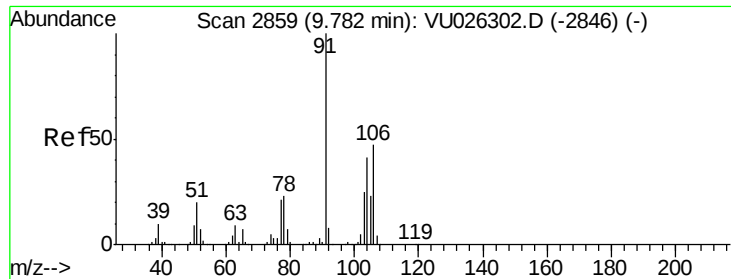
106 100

91 198.3 136.6 253.8



Abundance Ion 106.00 (105.70 to 106.70): VU026327.D (-2640) (-)





#54

o-xylene

Concen: 50.352 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU026327.D

Acq: 24 Aug 2018 12:29

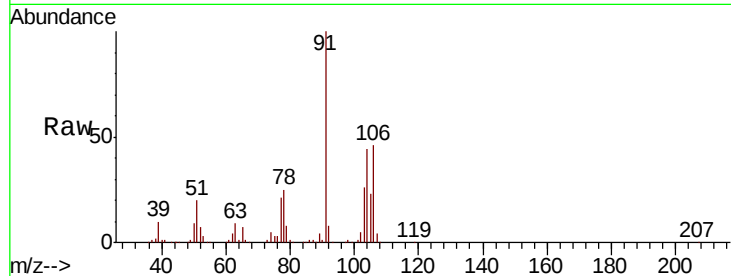
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 174152

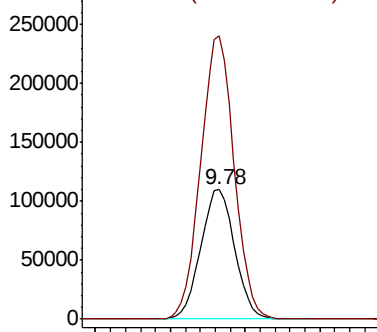
Ion Ratio Lower Upper

106 100

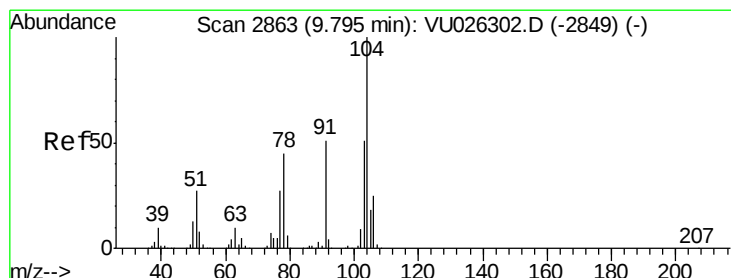
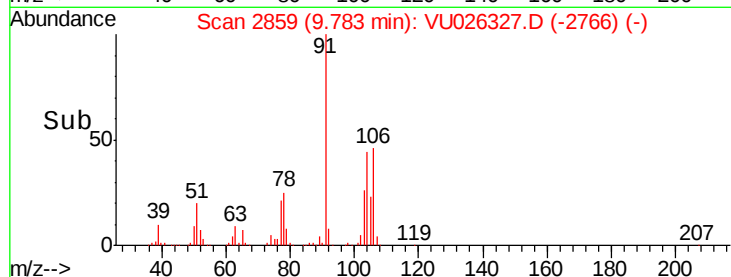
91 218.3 151.2 280.8



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0



Time-->



#55

Styrene

Concen: 51.912 ug/L

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU026327.D

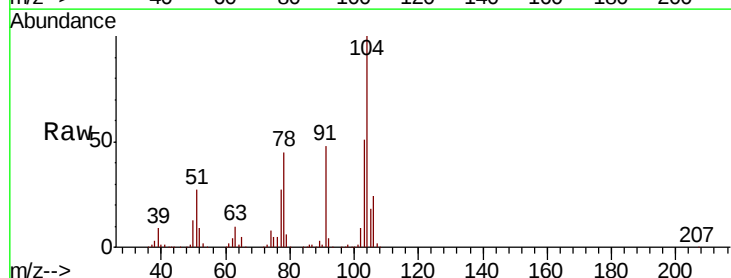
Acq: 24 Aug 2018 12:29

Tgt Ion:104 Resp: 306486

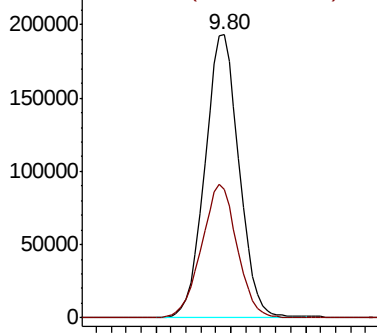
Ion Ratio Lower Upper

104 100

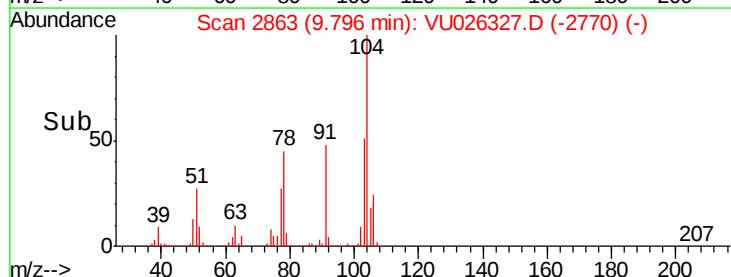
78 45.4 32.3 60.1

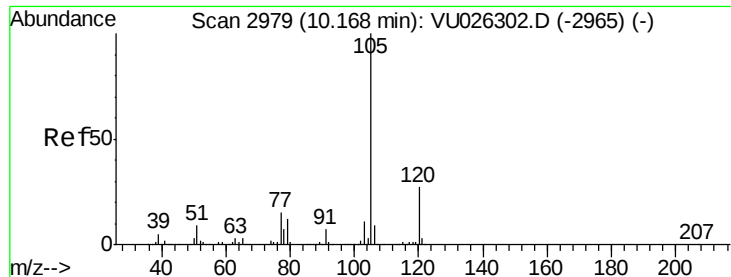


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0



Time-->





#56

Isopropylbenzene

Concen: 51.340 ug/L

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU026327.D

Acq: 24 Aug 2018 12:29

Instrument :

MSVOA_U

ClientSampled :

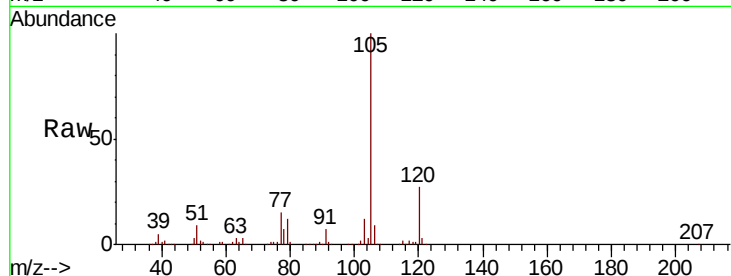
Tot Ion:105 Resp: 460656

Ion Ratio Lower Upper

105 100

120 26.5 21.9 32.9

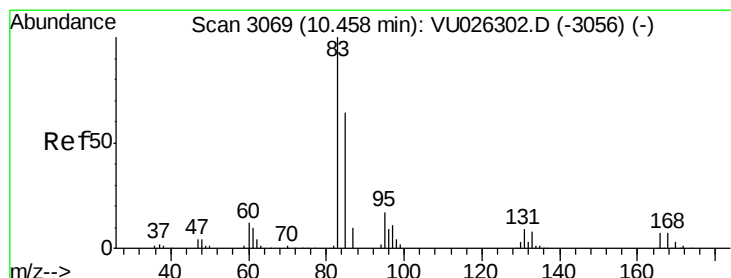
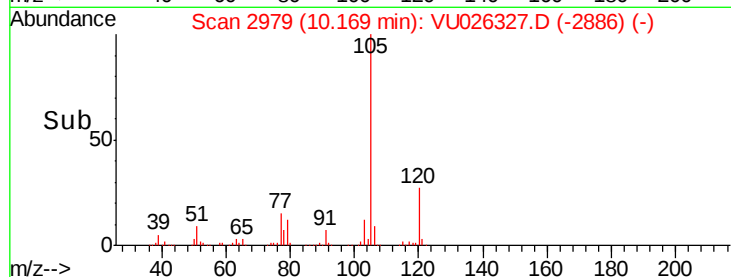
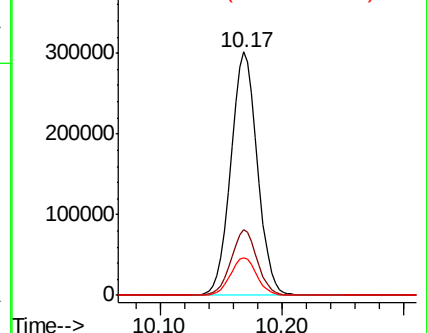
77 15.4 12.4 18.6



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: 49.005 ug/L

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU026327.D

Acq: 24 Aug 2018 12:29

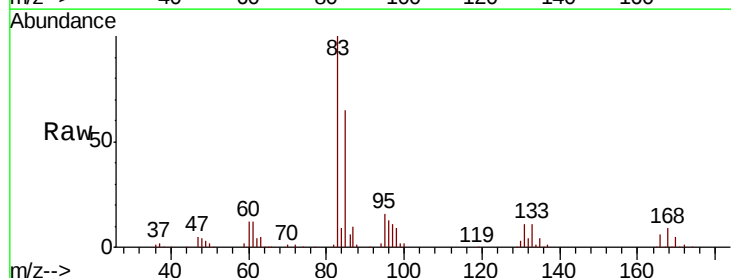
Tgt Ion: 83 Resp: 169498

Ion Ratio Lower Upper

83 100

85 65.1 44.9 83.3

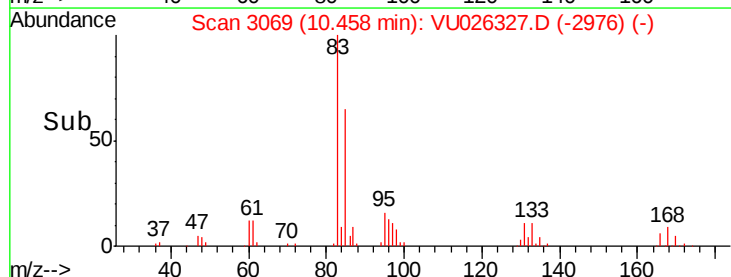
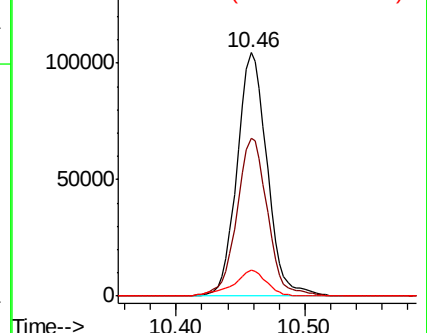
131 10.6 8.2 12.2

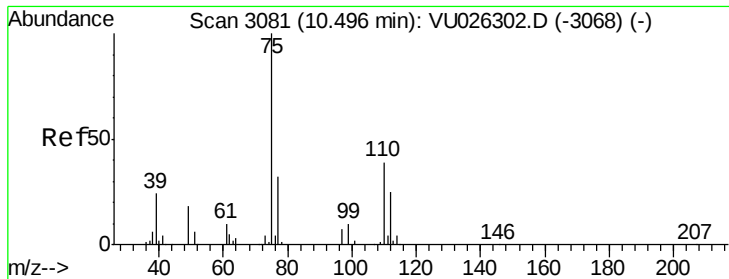


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

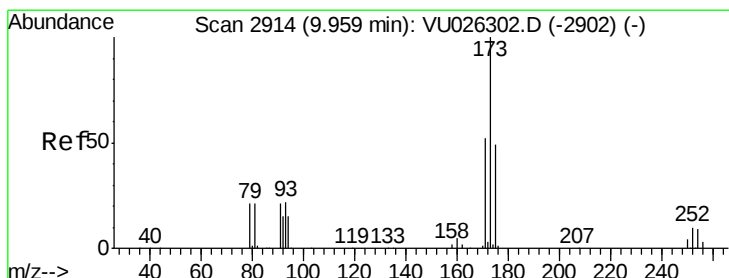
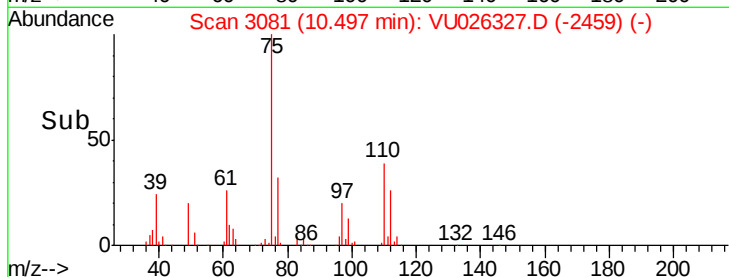
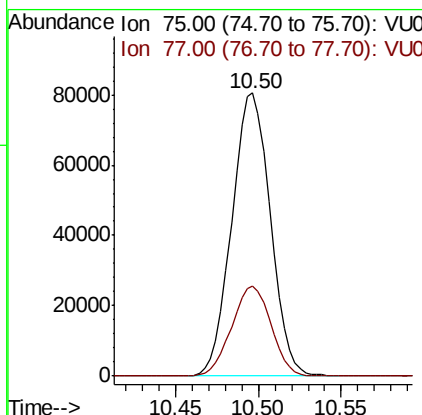
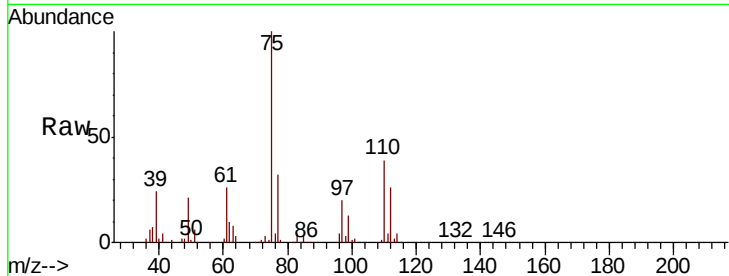




#59
 1,2,3-Trichloropropane
 Concen: 48.374 ug/L
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU026327.D
 Acq: 24 Aug 2018 12:29

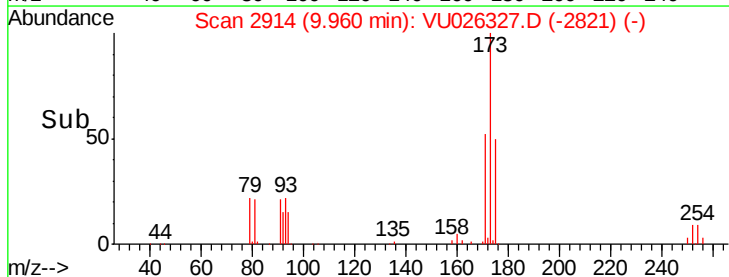
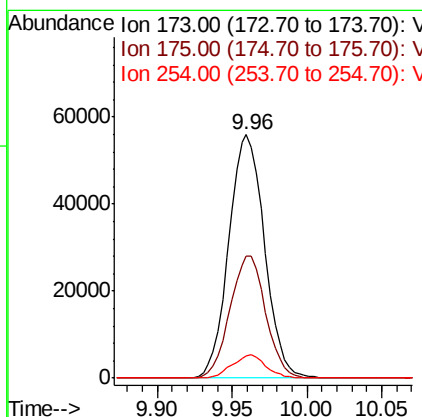
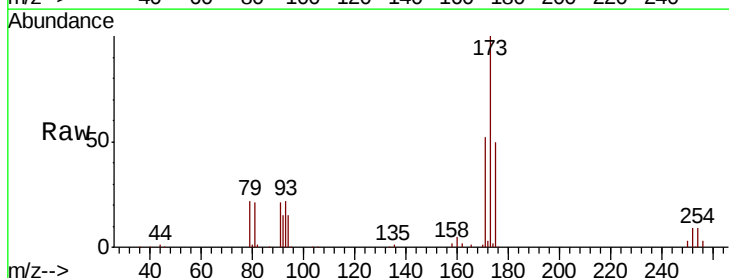
Instrument :
 MSVOA_U
 ClientSampleId :

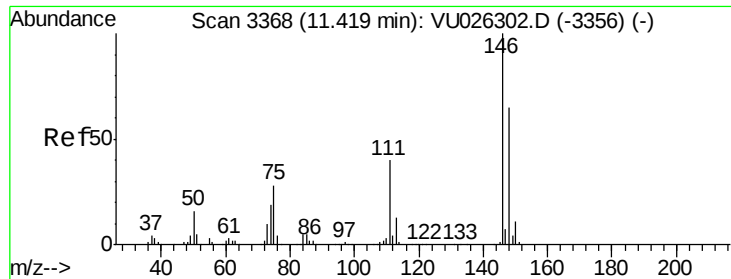
Tot Ion: 75 Resp: 130464
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.5 38.3



#61
 Bromoform
 Concen: 49.379 ug/L
 RT: 9.96 min Scan# 2914
 Delta R.T. 0.00 min
 Lab File: VU026327.D
 Acq: 24 Aug 2018 12:29

Tgt Ion: 173 Resp: 93052
 Ion Ratio Lower Upper
 173 100
 175 50.2 39.4 59.2
 254 9.0 7.0 10.4





#62

1,3-Dichlorobenzene

Concen: 49.182 ug/L

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU026327.D

Acq: 24 Aug 2018 12:29

Instrument :

MSVOA_U

ClientSampleId :

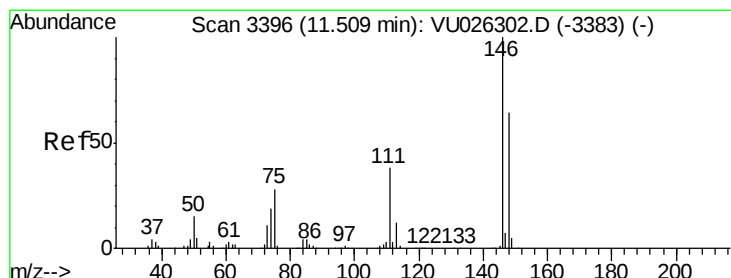
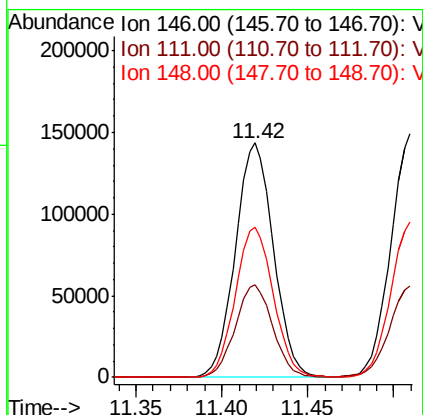
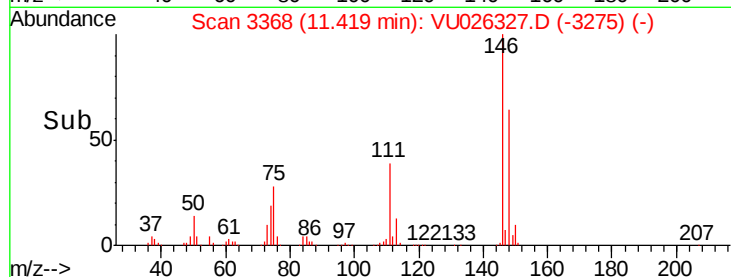
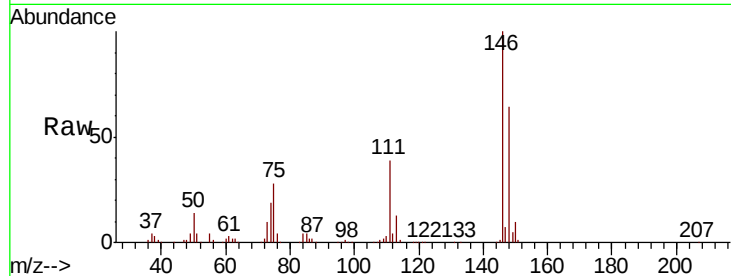
Tot Ion:146 Resp: 220540

Ion Ratio Lower Upper

146 100

111 39.4 26.9 50.1

148 64.2 43.7 81.1



#63

1,4-Dichlorobenzene

Concen: 48.344 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU026327.D

Acq: 24 Aug 2018 12:29

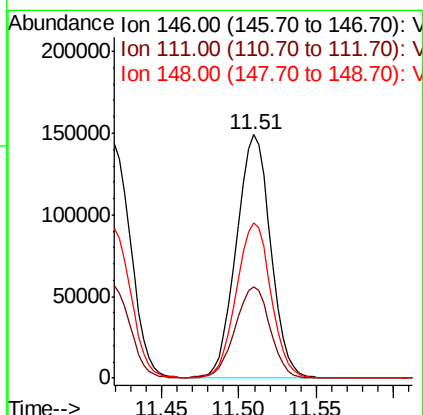
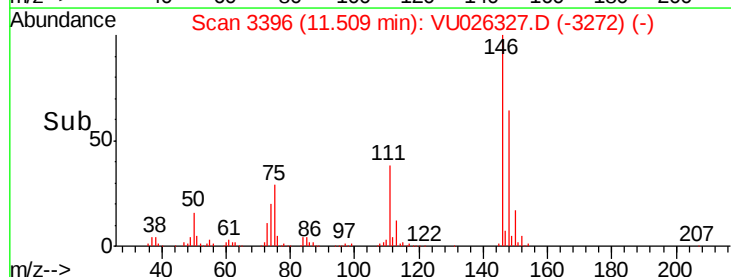
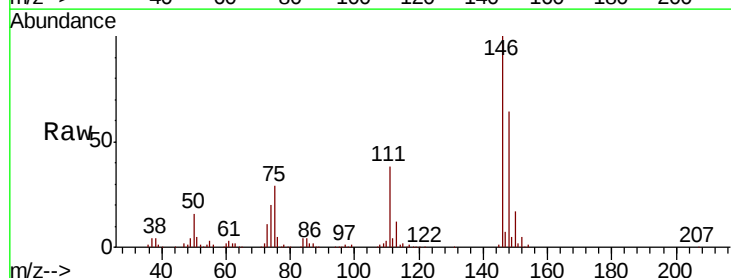
Tgt Ion:146 Resp: 229058

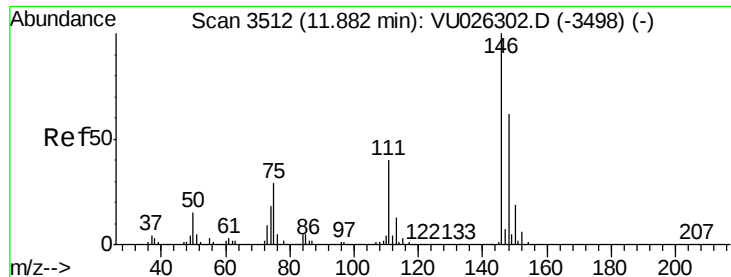
Ion Ratio Lower Upper

146 100

111 37.5 25.9 48.1

148 63.8 44.5 82.7

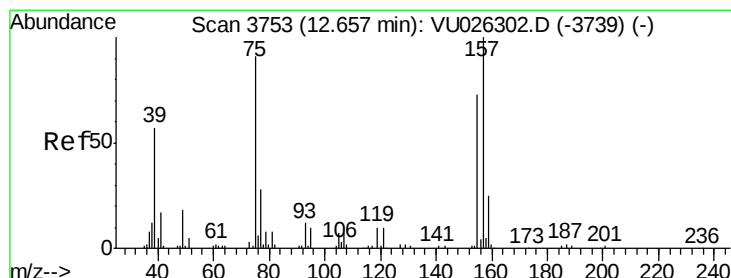
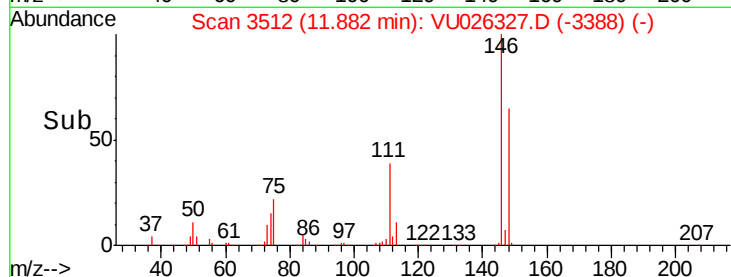
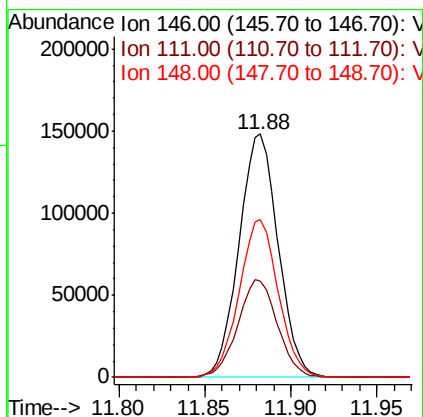
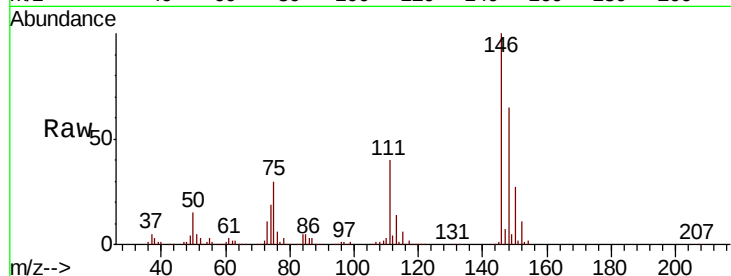




#65
 1,2-Dichlorobenzene
 Concen: 49.610 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU026327.D
 Acq: 24 Aug 2018 12:29

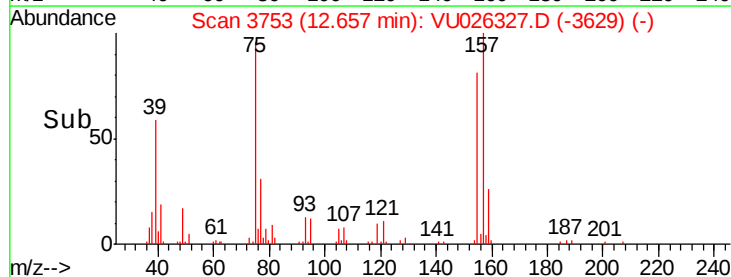
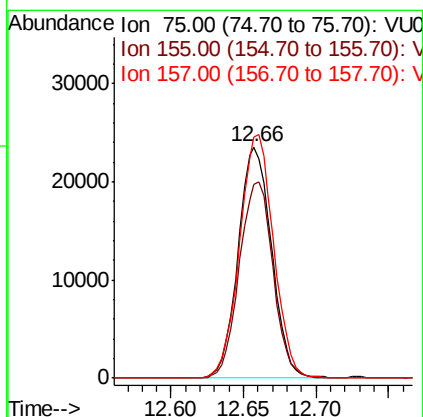
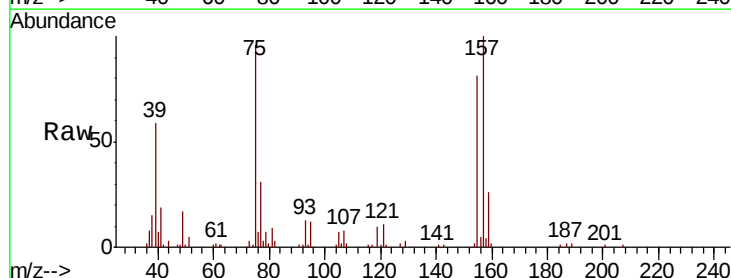
Instrument :
 MSVOA_U
 ClientSampleId :

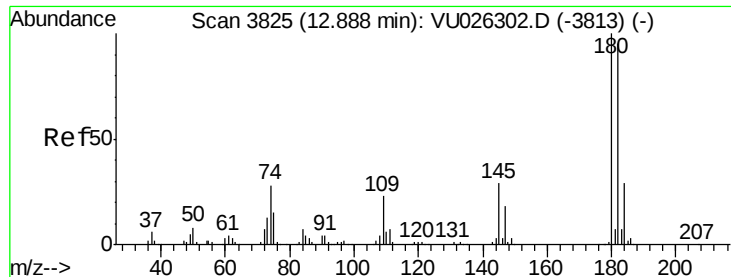
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	32.6	48.8
148	64.7	51.0	76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 47.848 ug/L
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU026327.D
 Acq: 24 Aug 2018 12:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.9	65.0	97.6
157	104.2	87.5	131.3

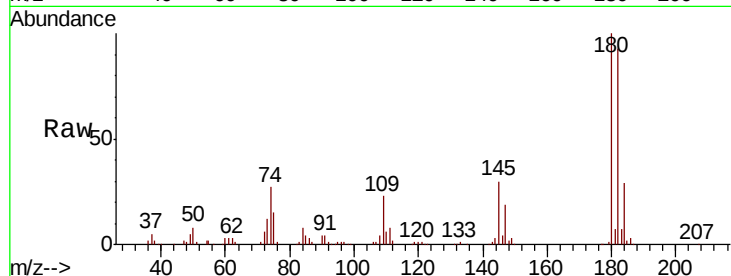




#67
 1,3,5-Trichlorobenzene
 Concen: 49.374 ug/L
 RT: 12.89 min Scan# 3825
 Delta R.T. 0.00 min
 Lab File: VU026327.D
 Acq: 24 Aug 2018 12:29

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	77.9	116.9
184	29.8	24.2	36.4
145	30.2	23.4	35.2



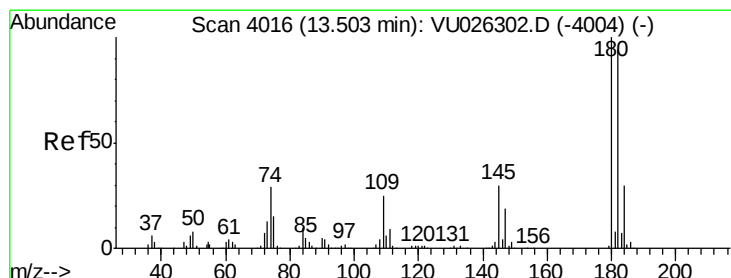
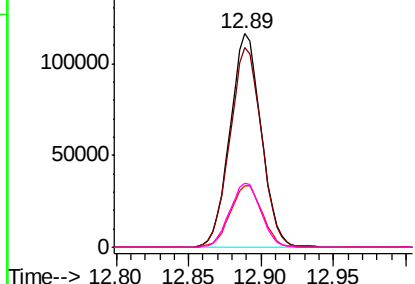
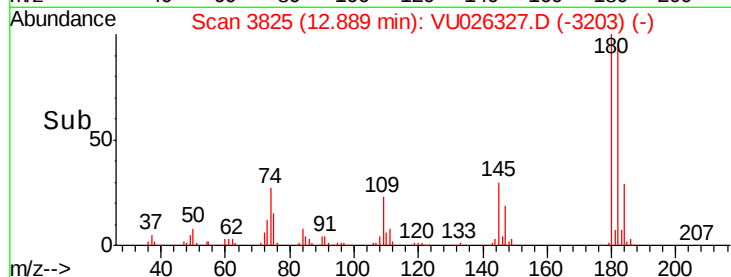
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

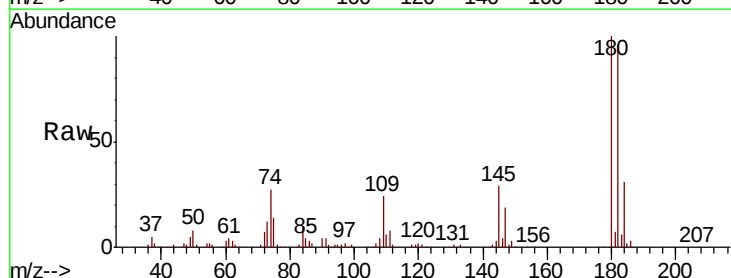
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 47.871 ug/L
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU026327.D
 Acq: 24 Aug 2018 12:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	75.8	113.6
145	29.4	23.8	35.8

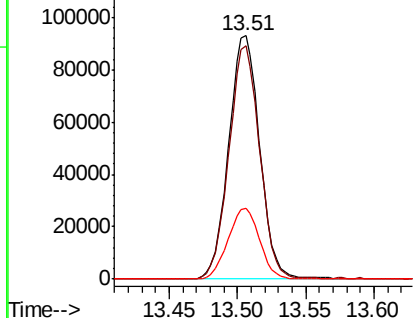
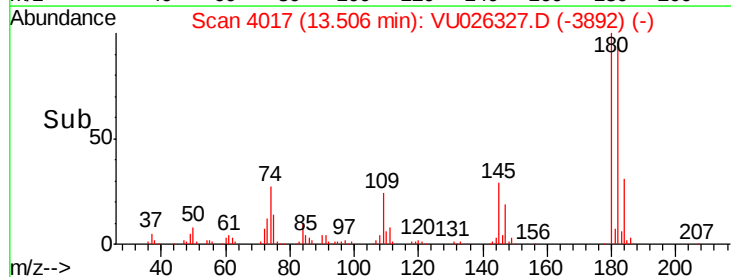


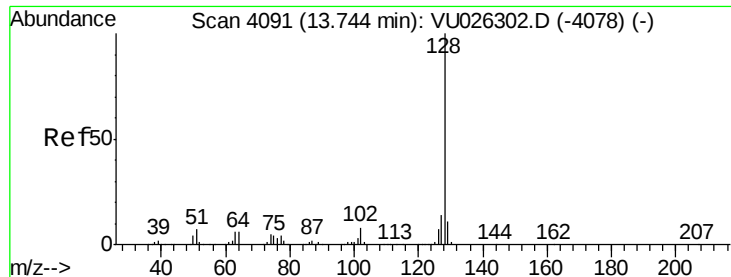
Abundance

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: 50.002 ug/L

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU026327.D

Acq: 24 Aug 2018 12:29

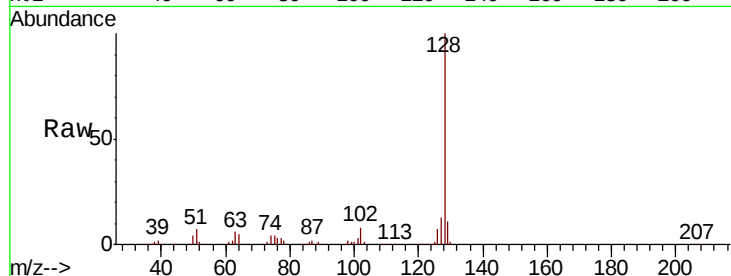
Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:128 Resp: 457718

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	10.7	8.4	12.6

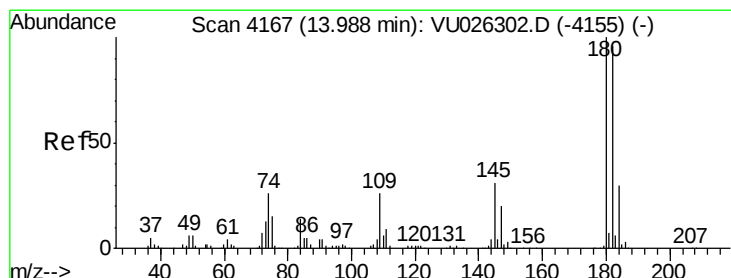
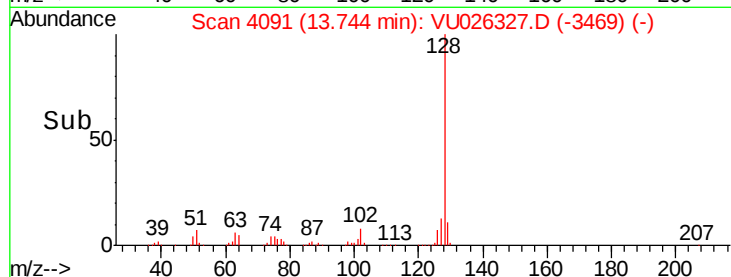
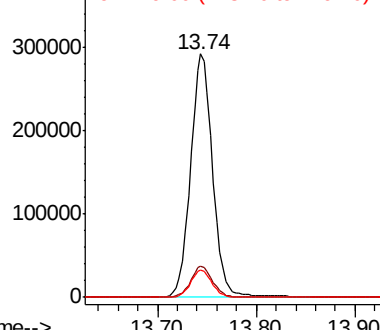


Abundance

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: 49.221 ug/L

RT: 13.99 min Scan# 4167

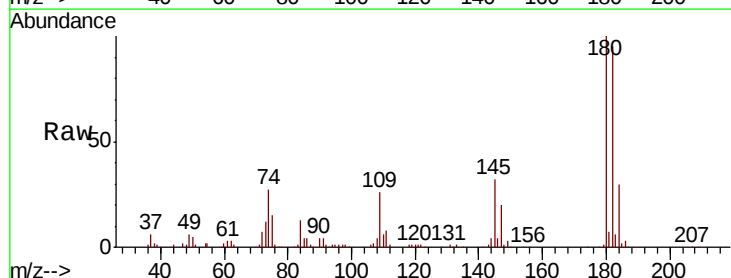
Delta R.T. 0.00 min

Lab File: VU026327.D

Acq: 24 Aug 2018 12:29

Tgt Ion:180 Resp: 161137

Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.6	116.4
145	31.7	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

