

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112618\
 Data File : VU028327.D
 Acq On : 26 Nov 2018 09:50
 Operator : MD/SY
 Sample : VSTDIC0.5
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Quant Time: Nov 27 00:42:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U0112618DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Nov 27 00:37:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	53117	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	16915	0.87	ug/l	0.00
Spiked Amount 1.000			Recovery	=	87.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	16502	0.91	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	10154	0.531 ug/l	93
3) Chloromethane	1.32	50	21349	0.656 ug/l	99
4) Vinyl Chloride	1.40	62	11872	0.533 ug/l	93
5) Bromomethane	1.63	94	5137	0.586 ug/l	92
6) Chloroethane	1.70	64	7211	0.555 ug/l	97
7) Trichlorofluoromethane	1.89	101	12732	0.524 ug/l	96
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	7094	0.507 ug/l	95
9) 1,1-Dichloroethene	2.28	96	6779	0.524 ug/l	87
10) Iodomethane	2.41	142	3984	0.456 ug/l	94
11) Allyl Chloride	2.59	41	16739	0.513 ug/l	94
12) Acrylonitrile	2.96	53	4379	1.063 ug/l	94
13) Acetone	2.35	43	12128	3.177 ug/l	97
14) Carbon Disulfide	2.48	76	26463	0.539 ug/l #	93
15) Methylene Chloride	2.70	84	9392	0.596 ug/l	93
16) trans-1,2-Dichloroethene	2.98	96	7717	0.533 ug/l	98
17) 1,1-Dichloroethane	3.44	63	17068	0.529 ug/l	99
18) 2-Butanone	4.30	43	14830	2.600 ug/l	97
19) Cyclohexane	4.99	56	14437	0.515 ug/l	99
20) Methylcyclohexane	6.41	83	13658	0.498 ug/l	97
21) 2,2-Dichloropropane	4.22	77	14016	0.541 ug/l	98
22) cis-1,2-Dichloroethene	4.22	96	8470	0.500 ug/l	95
23) Diethyl Ether	2.11	59	6614	0.510 ug/l	96
24) tert-Butyl Alcohol	2.86	59	651	0.519 ug/l #	72
25) Methyl tert-Butyl Ether	3.01	73	19527	0.508 ug/l	99
26) Bromochloromethane	4.55	128	3490	0.541 ug/l	93
27) Chloroform	4.67	83	17618	0.566 ug/l	96
28) 1,1,1-Trichloroethane	4.91	97	12490	0.514 ug/l	98
29) 1,1-Dichloropropene	5.13	75	11743	0.504 ug/l	96
30) Carbon Tetrachloride	5.13	117	10505	0.535 ug/l	95
31) Isopropyl Ether	3.57	45	29007	0.502 ug/l	88
32) Ethyl-t-butyl ether	4.08	59	24486	0.515 ug/l	99
33) Tert-Amyl methyl ether	5.58	73	20188	0.511 ug/l	99
34) Propionitrile	4.37	54	2859	1.995 ug/l #	86
35) Benzene	5.39	78	35102	0.512 ug/l	99
36) 1,2-Dichloroethane	5.40	62	11028	0.537 ug/l	98
37) Trichloroethene	6.19	130	7817	0.523 ug/l	90
38) 1,2-Dichloropropane	6.43	63	9883	0.505 ug/l	91
39) Methacrylonitrile	4.55	41	4383	0.571 ug/l #	86
40) Methyl acrylate	4.43	55	6227	0.590 ug/l #	79
41) Tetrahydrofuran	4.66	42	3807	0.987 ug/l #	72
42) 1-Chlorobutane	5.06	56	18908	0.510 ug/l	97

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDIC0.5

Quant Time: Nov 27 00:42:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U0112618DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Nov 27 00:37:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

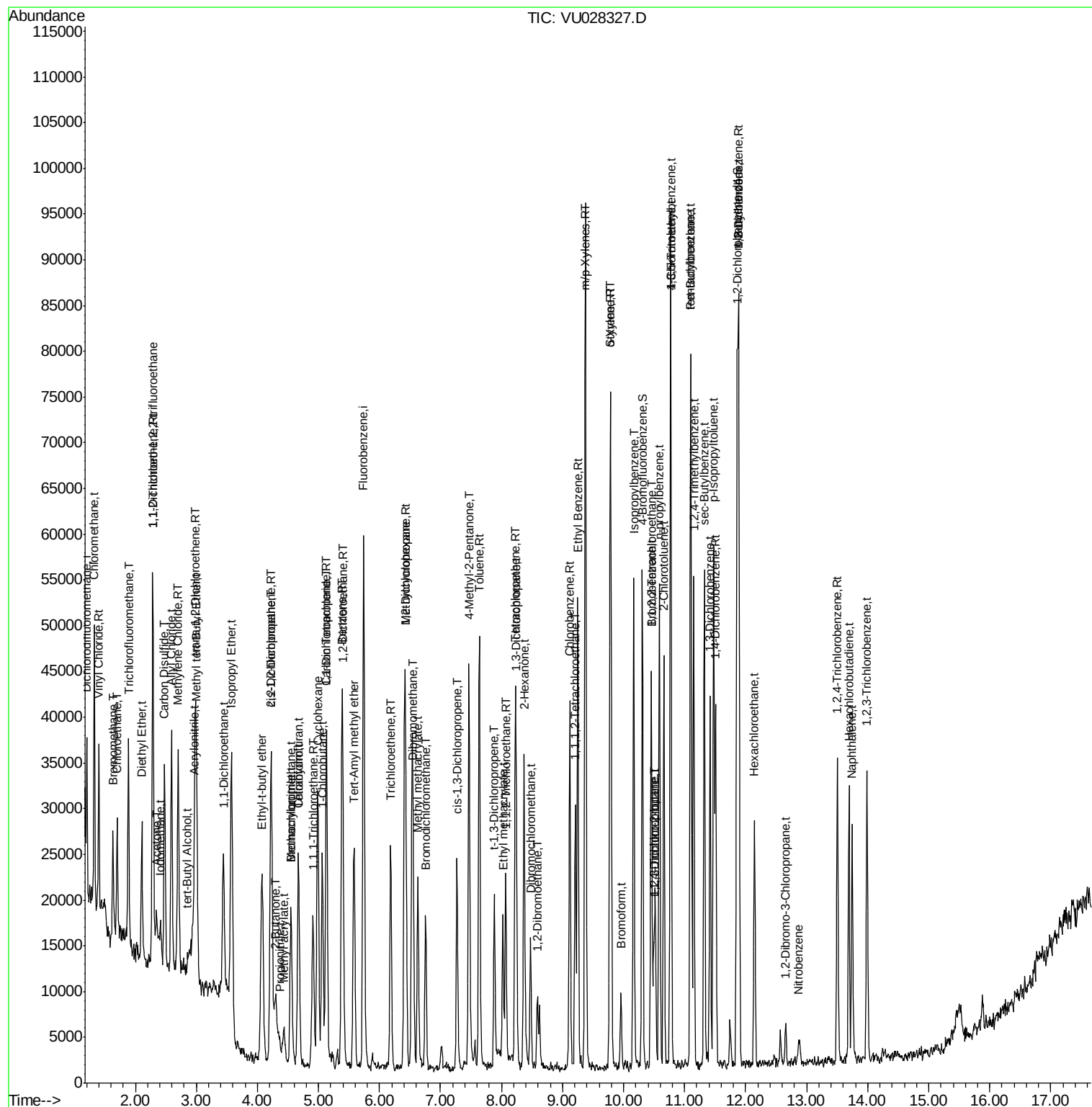
43) Dibromomethane	6.56	93	3949	0.474	ug/l	95
44) Bromodichloromethane	6.76	83	11148	0.507	ug/l #	95
45) 4-Methyl-2-Pentanone	7.47	43	33805	2.526	ug/l	97
46) t-1,4-Dichloro-2-butene	10.49	75	4473	0.932	ug/l	89
47) Methyl methacrylate	6.63	69	8276	0.973	ug/l	91
48) Ethyl methacrylate	8.02	69	8290	0.487	ug/l	95
49) Toluene	7.64	92	18920	0.496	ug/l	100
50) t-1,3-Dichloropropene	7.88	75	10540	0.499	ug/l	97
51) cis-1,3-Dichloropropene	7.27	75	13169	0.505	ug/l #	88
52) 1,1,2-Trichloroethane	8.07	97	6315	0.540	ug/l #	76
53) 1,3-Dichloropropane	8.24	76	11207	0.513	ug/l	99
54) 2-Hexanone	8.37	43	25991	2.700	ug/l	97
55) Dibromochloromethane	8.48	129	6106	0.491	ug/l	97
56) 1,2-Dibromoethane	8.59	107	5568	0.523	ug/l	98
58) Tetrachloroethene	8.22	164	6989	0.511	ug/l	96
59) Chlorobenzene	9.12	112	20585	0.519	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	7031	0.523	ug/l	98
61) Pentachloroethane	11.10	117	5258	0.503	ug/l	94
62) Hexachloroethane	12.14	117	5063	0.517	ug/l	96
63) Ethyl Benzene	9.25	91	34451	0.471	ug/l	94
64) m/p-Xylenes	9.38	106	25487	0.962	ug/l	98
65) o-Xylene	9.78	106	11963	0.468	ug/l	91
66) Styrene	9.79	104	20437	0.466	ug/l	98
67) Bromoform	9.96	173	3581	0.514	ug/l #	96
69) Isopropylbenzene	10.16	105	32769	0.479	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	8102	0.516	ug/l	98
71) 1,2,3-Trichloropropane	10.49	75	4473	0.414	ug/l #	85
72) Bromobenzene	10.45	156	7247	0.477	ug/l	97
73) n-propylbenzene	10.58	120	8095	0.456	ug/l	95
74) 2-Chlorotoluene	10.66	126	7690	0.495	ug/l	94
75) 1,3,5-Trimethylbenzene	10.77	105	27287	0.474	ug/l	98
76) 4-Chlorotoluene	10.77	126	7513	0.477	ug/l	99
77) tert-Butylbenzene	11.10	119	26425	0.487	ug/l	98
78) 1,2,4-Trimethylbenzene	11.15	105	27792	0.471	ug/l	95
79) sec-Butylbenzene	11.32	105	34820	0.461	ug/l	99
80) Nitrobenzene	12.87	77	1746	2.470	ug/l #	85
81) p-Isopropyltoluene	11.48	119	27771	0.462	ug/l	96
82) 1,3-Dichlorobenzene	11.41	146	14370	0.472	ug/l	94
83) 1,4-Dichlorobenzene	11.50	146	15120	0.499	ug/l	97
84) n-Butylbenzene	11.89	91	26450	0.419	ug/l	98
85) 1,2-Dichlorobenzene	11.88	146	14529	0.502	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	12.66	75	1131	0.448	ug/l	91
87) 1,2,4-Trichlorobenzene	13.50	180	9784	0.481	ug/l	98
88) Hexachlorobutadiene	13.69	225	5128	0.466	ug/l	97
89) Naphthalene	13.75	128	20692	0.514	ug/l	98
90) 1,2,3-Trichlorobenzene	13.99	180	9816	0.511	ug/l	97

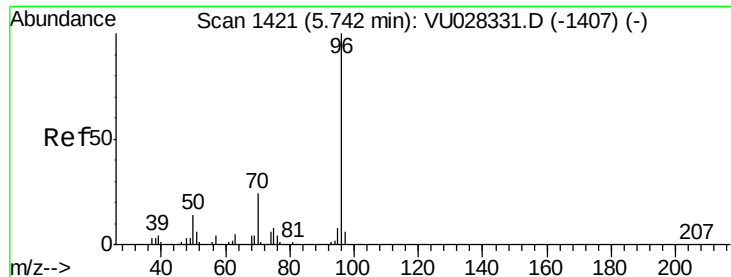
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Quant Time: Nov 27 00:40:21 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\524U0112618DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Nov 27 00:37:16 2018
Response via : Initial Calibration





#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1420

Delta R.T. -0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tgt Ion: 96 Resp: 53117

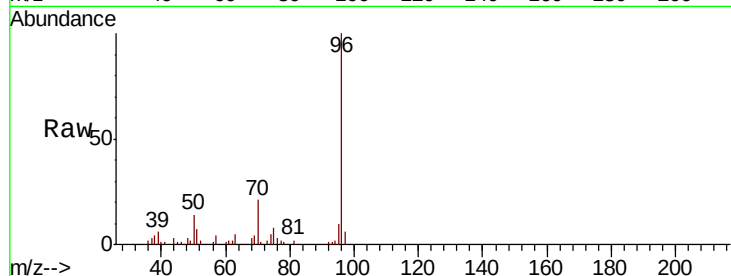
Ion Ratio Lower Upper

96 100

70 20.2 17.8 26.8

95 9.5 7.6 11.4

97 6.1 0.0 0.0#

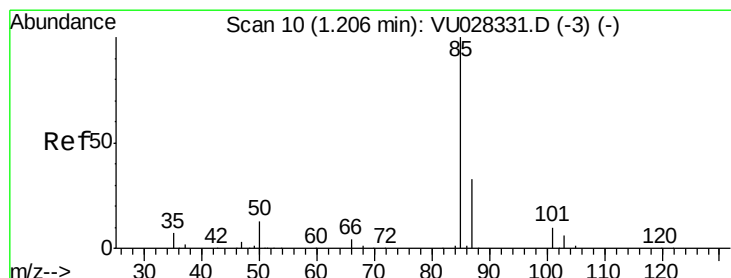
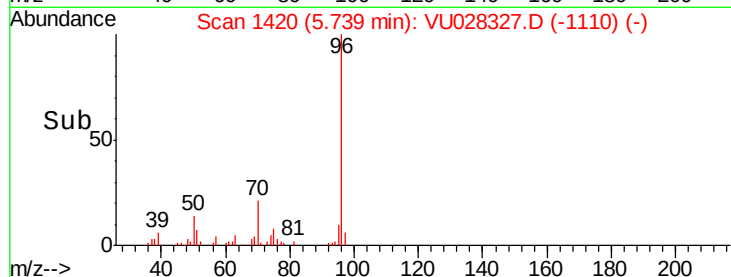
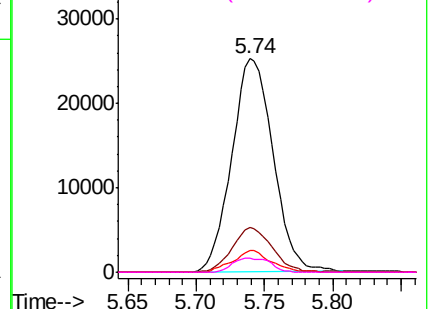


Abundance Ion 96.00 (95.70 to 96.70): VU028331.D (-1407) (-)

Ion 70.00 (69.70 to 70.70): VU028331.D (-1407) (-)

Ion 95.00 (94.70 to 95.70): VU028331.D (-1407) (-)

Ion 97.00 (96.70 to 97.70): VU028331.D (-1407) (-)



#2

Dichlorodifluoromethane

Concen: 0.531 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028327.D

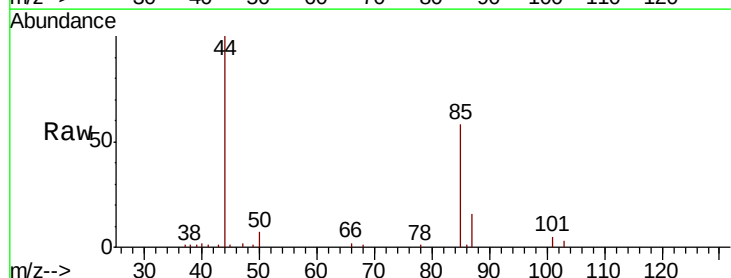
Acq: 26 Nov 2018 09:50

Tgt Ion: 85 Resp: 10154

Ion Ratio Lower Upper

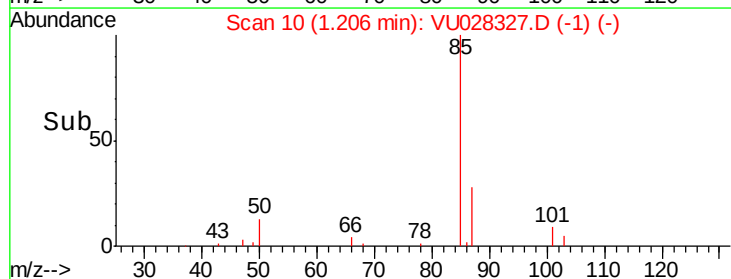
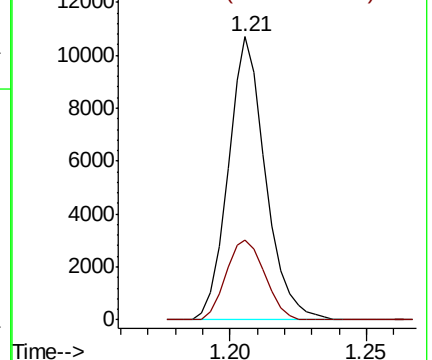
85 100

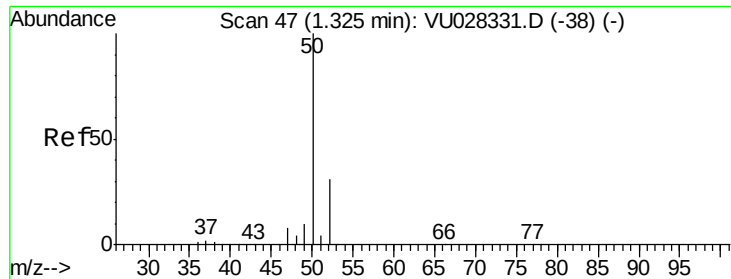
87 28.4 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VU028331.D (-3) (-)

Ion 87.00 (86.70 to 87.70): VU028331.D (-3) (-)





#3

Chloromethane

Concen: 0.656 ug/l

RT: 1.32 min Scan# 47

Delta R.T. 0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

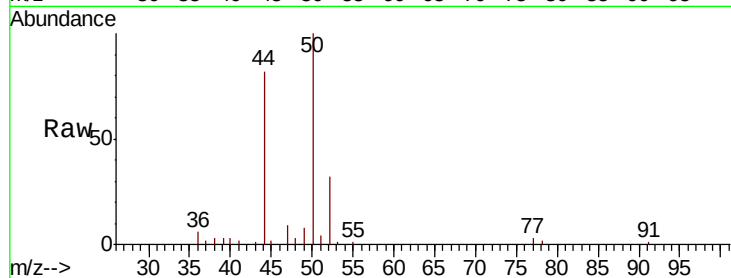
VSTDIC0.5

Tgt Ion: 50 Resp: 21349

Ion Ratio Lower Upper

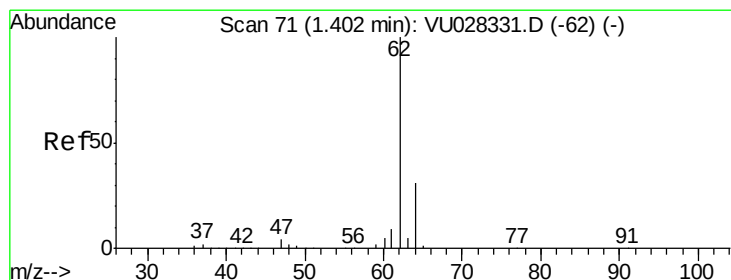
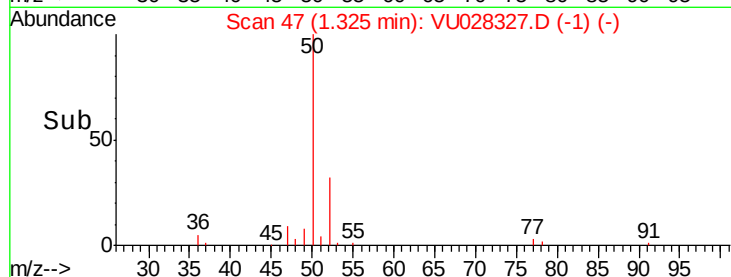
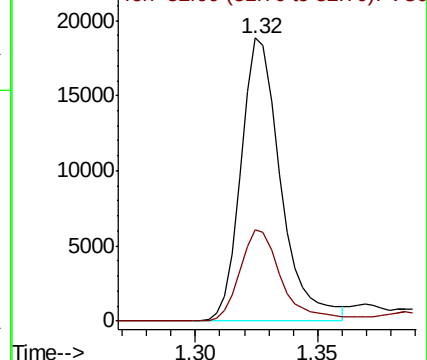
50 100

52 32.1 25.1 37.7



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 0.533 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028327.D

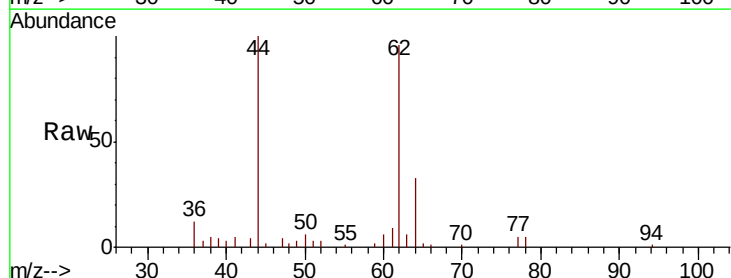
Acq: 26 Nov 2018 09:50

Tgt Ion: 62 Resp: 11872

Ion Ratio Lower Upper

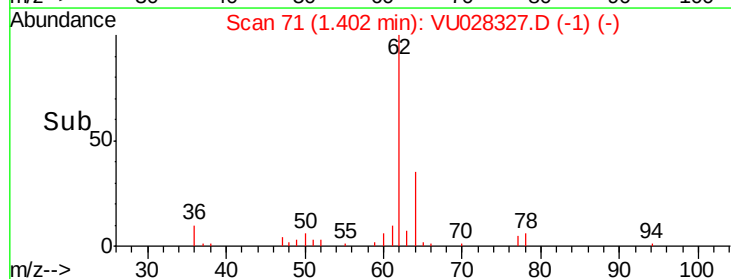
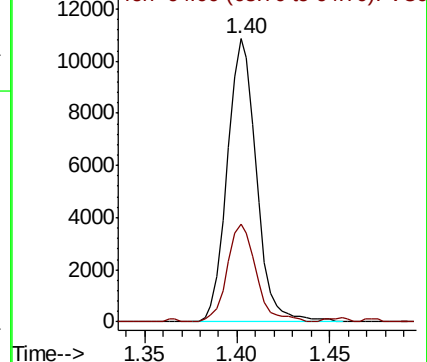
62 100

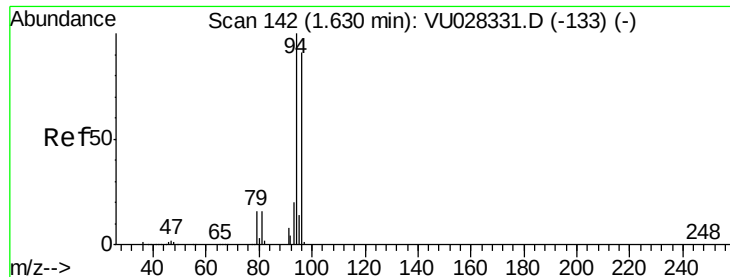
64 34.7 24.7 37.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 0.586 ug/l

RT: 1.63 min Scan# 142

Delta R.T. 0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

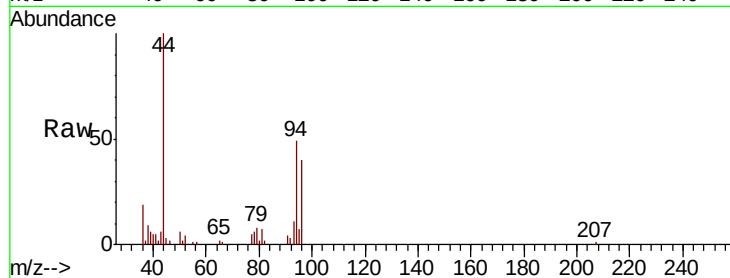
VSTDIC0.5

Tgt Ion: 94 Resp: 5137

Ion Ratio Lower Upper

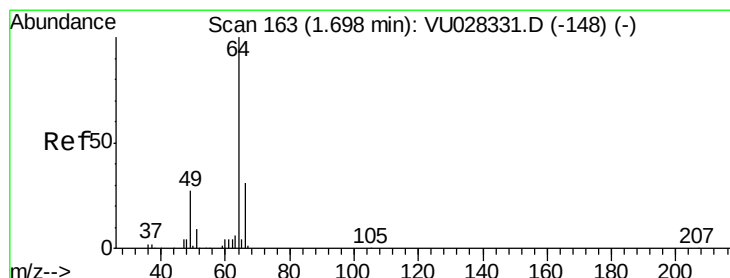
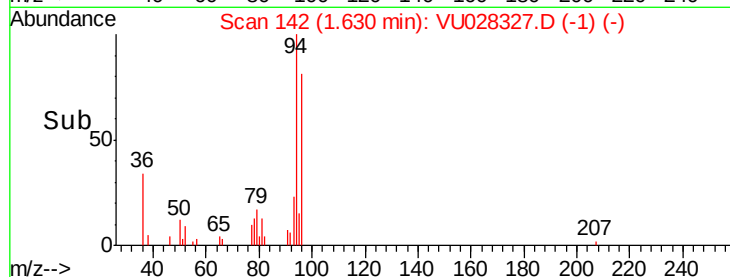
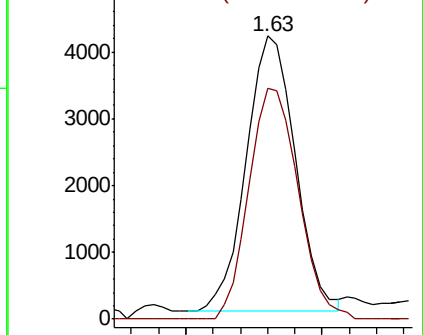
94 100

96 83.8 73.1 109.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 0.555 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU028327.D

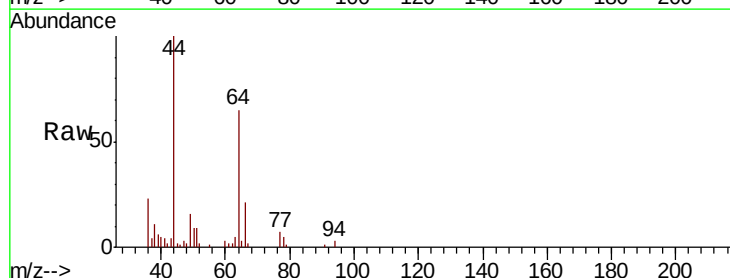
Acq: 26 Nov 2018 09:50

Tgt Ion: 64 Resp: 7211

Ion Ratio Lower Upper

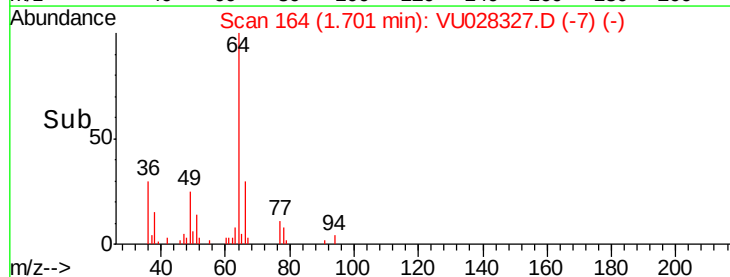
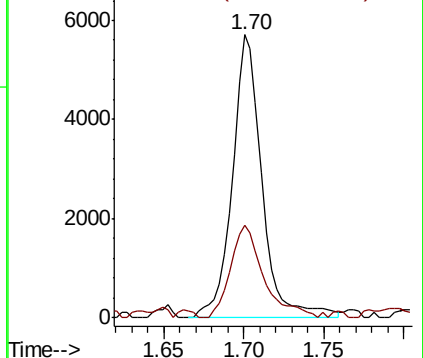
64 100

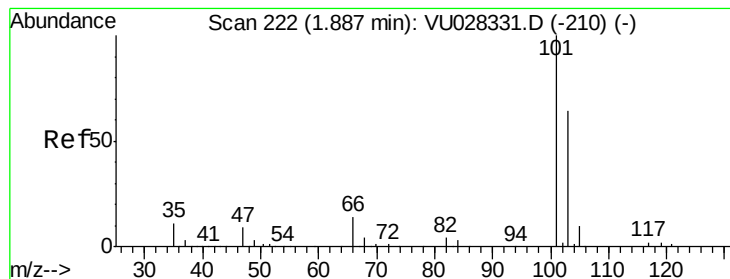
66 30.0 25.1 37.7



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



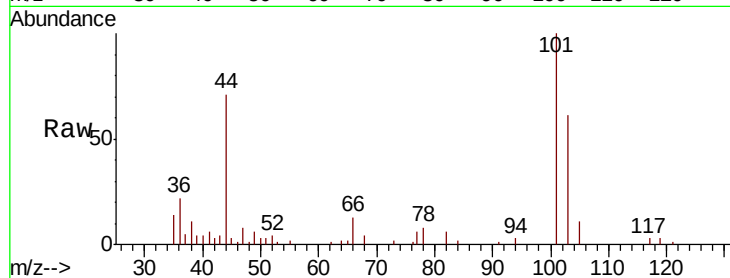


#7

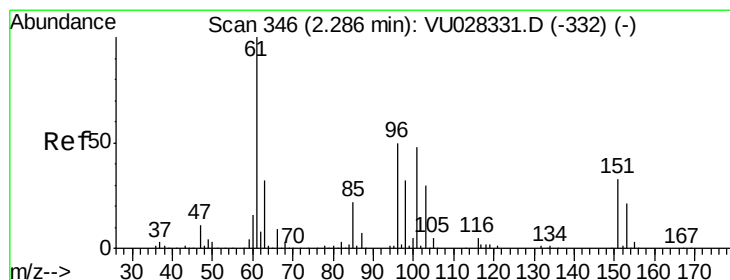
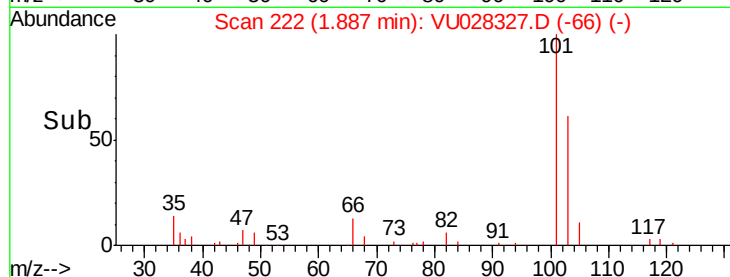
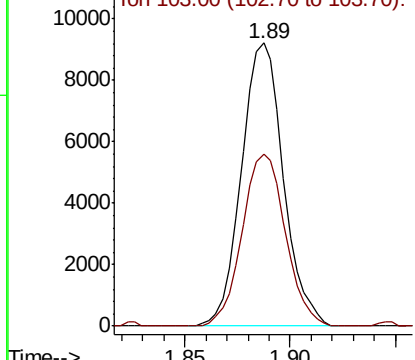
Trichlorofluoromethane
Concen: 0.524 ug/l
RT: 1.89 min Scan# 222
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion:101 Resp: 12732
Ion Ratio Lower Upper
101 100
103 60.8 51.4 77.0



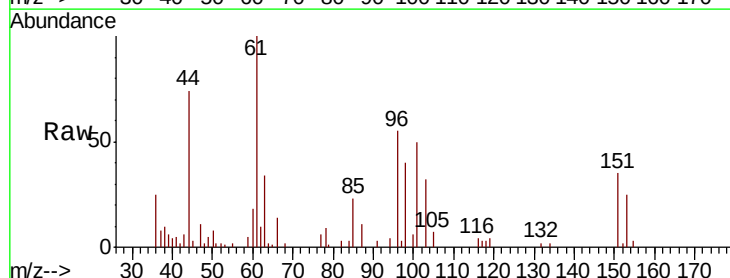
Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V



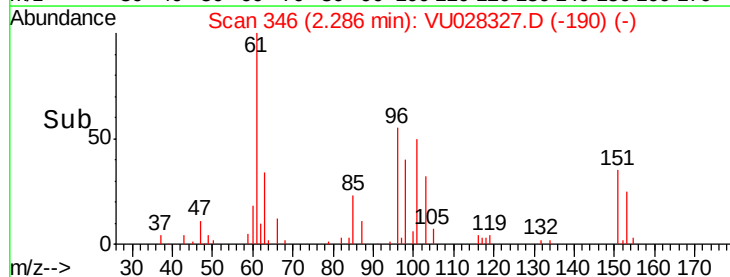
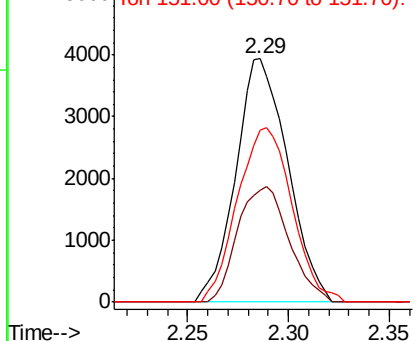
#8

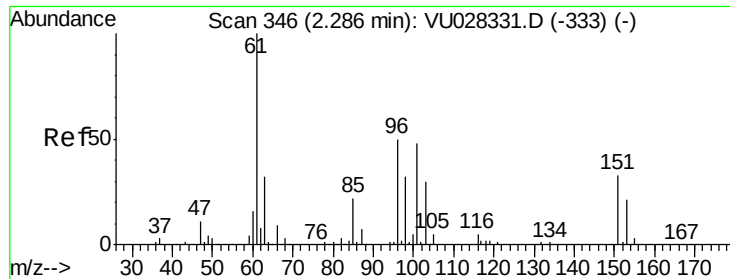
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.507 ug/l
RT: 2.29 min Scan# 346
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Tgt Ion:101 Resp: 7094
Ion Ratio Lower Upper
101 100
85 47.1 36.7 55.1
151 75.3 55.8 83.6



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VU
Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 0.524 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

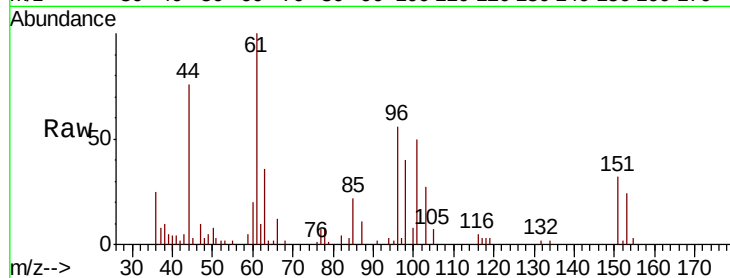
Tgt Ion: 96 Resp: 6779

Ion Ratio Lower Upper

96 100

61 177.2 0.0 597.6

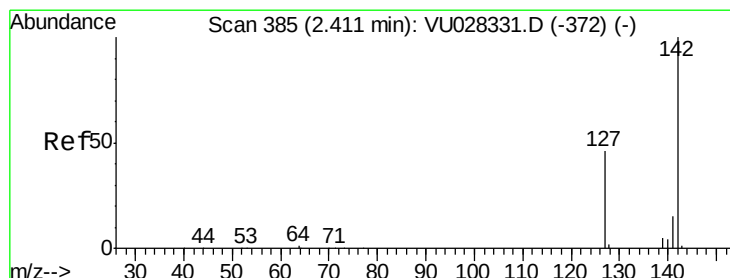
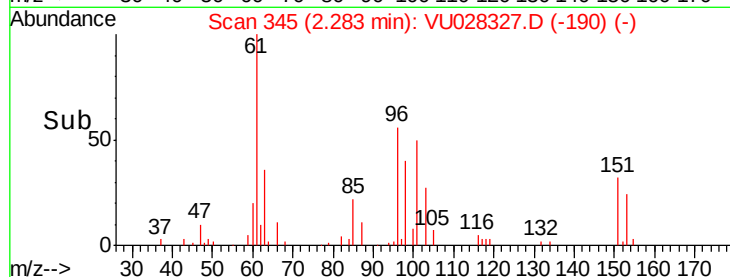
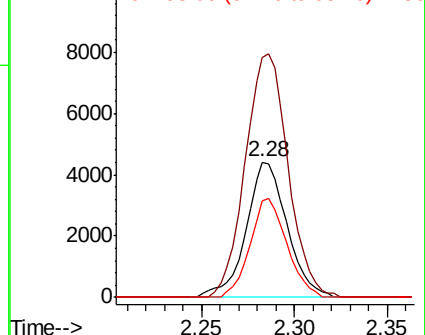
98 70.9 0.0 127.6



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



#10

Iodomethane

Concen: 0.456 ug/l

RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU028327.D

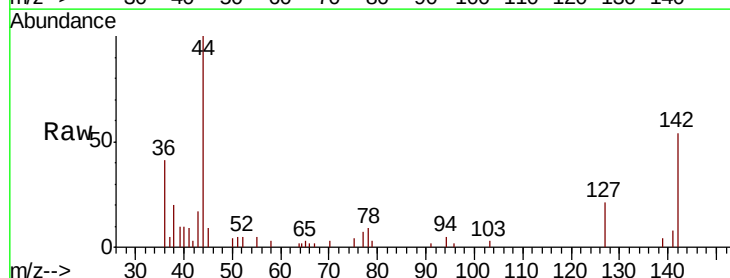
Acq: 26 Nov 2018 09:50

Tgt Ion: 142 Resp: 3984

Ion Ratio Lower Upper

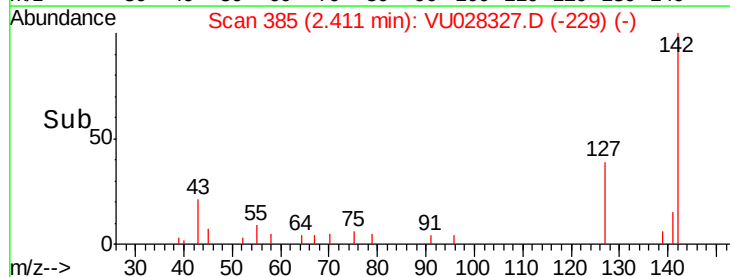
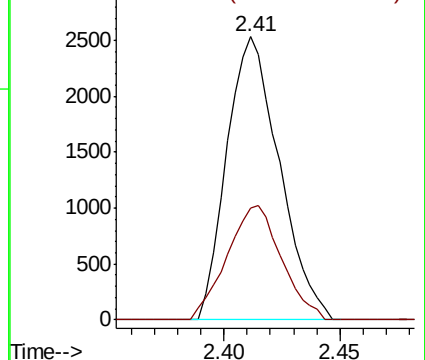
142 100

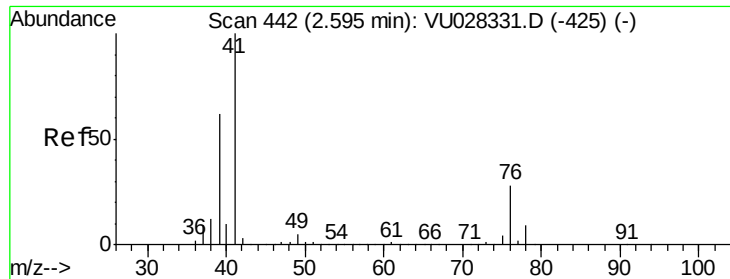
127 41.8 36.4 54.6



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

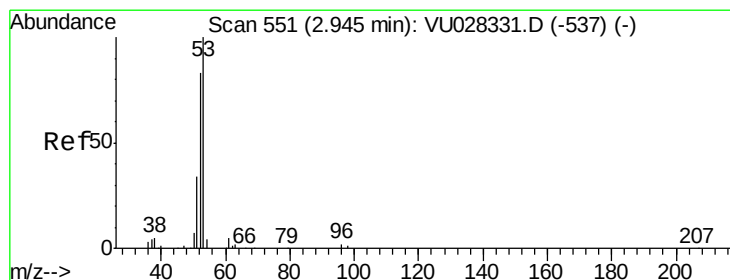
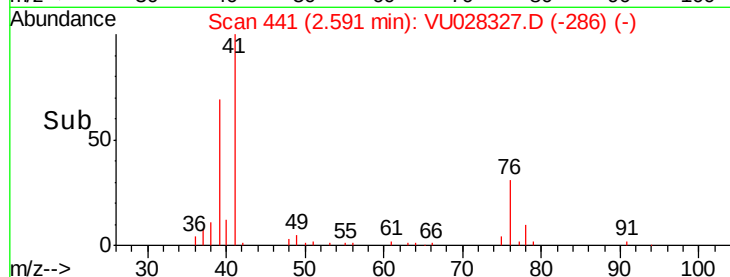
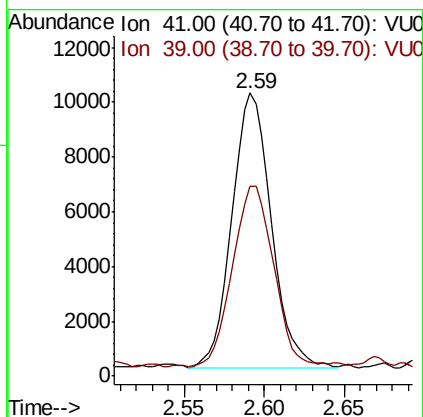
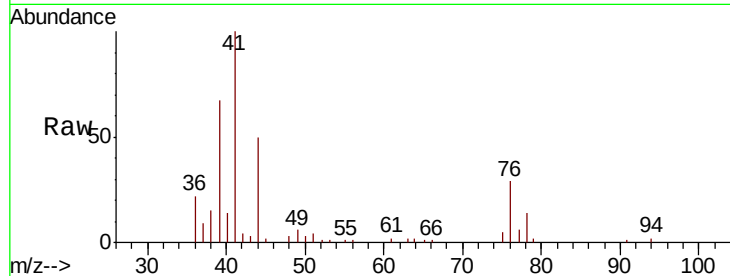




#11
 Allyl Chloride
 Concen: 0.513 ug/l
 RT: 2.59 min Scan# 441
 Delta R.T. -0.00 min
 Lab File: VU028327.D
 Acq: 26 Nov 2018 09:50

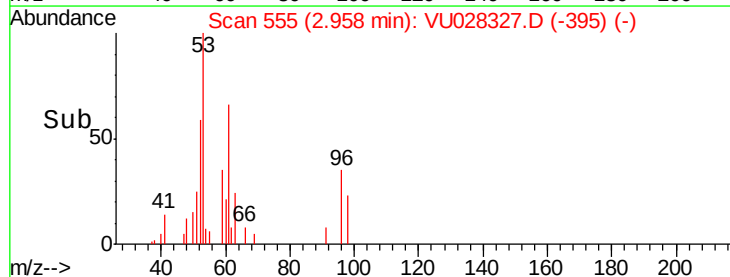
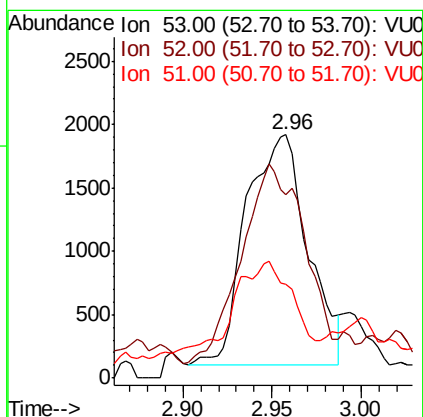
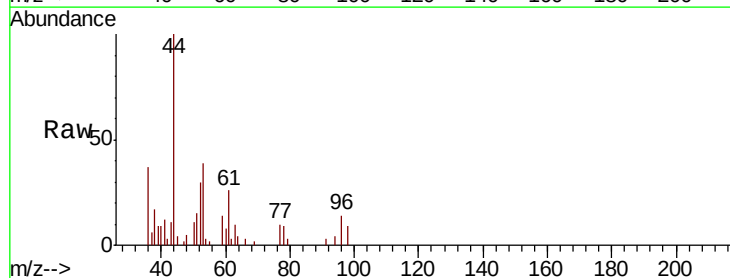
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

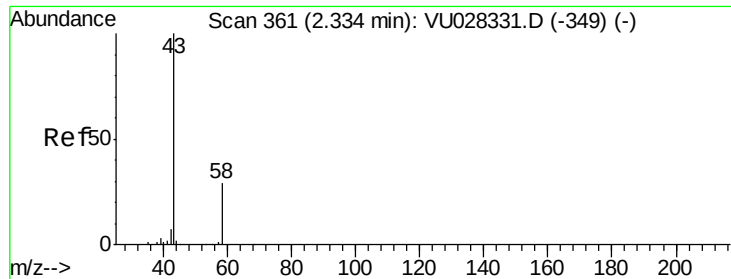
Tgt Ion: 41 Resp: 16739
 Ion Ratio Lower Upper
 41 100
 39 68.3 50.8 76.2



#12
 Acrylonitrile
 Concen: 1.063 ug/l
 RT: 2.96 min Scan# 555
 Delta R.T. 0.01 min
 Lab File: VU028327.D
 Acq: 26 Nov 2018 09:50

Tgt Ion: 53 Resp: 4379
 Ion Ratio Lower Upper
 53 100
 52 89.5 69.3 103.9
 51 41.6 27.8 41.8





#13

Acetone

Concen: 3.177 ug/l

RT: 2.35 min Scan# 365

Delta R.T. 0.01 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

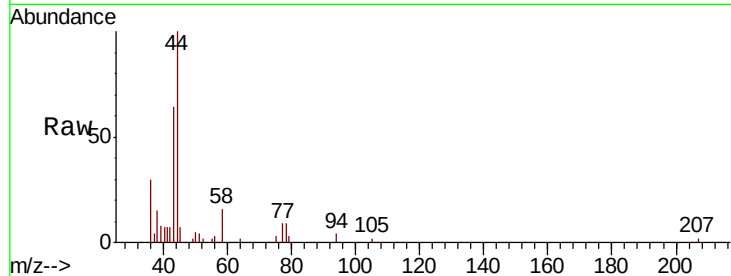
VSTDIC0.5

Tgt Ion: 43 Resp: 12128

Ion Ratio Lower Upper

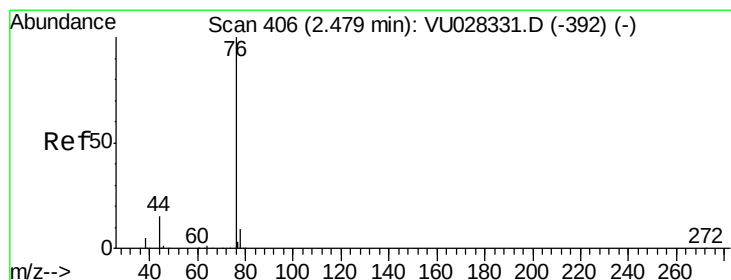
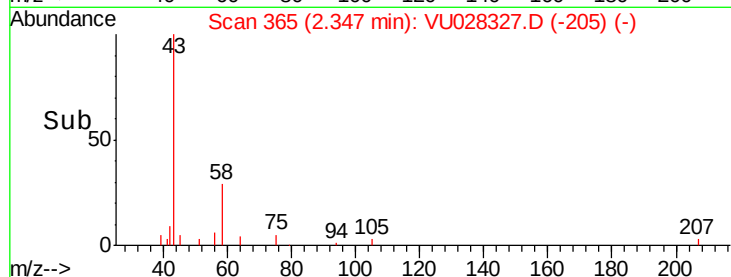
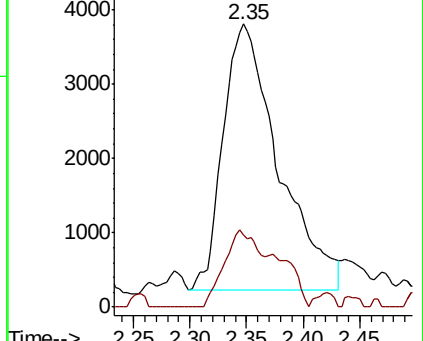
43 100

58 27.3 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon Disulfide

Concen: 0.539 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU028327.D

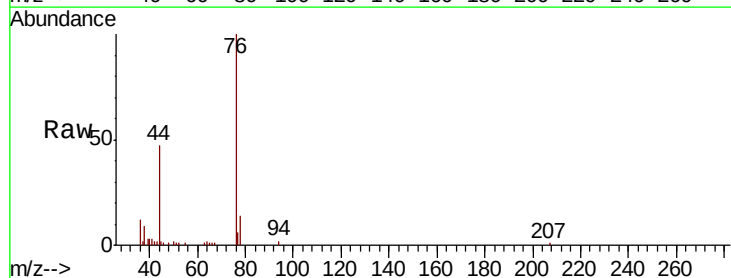
Acq: 26 Nov 2018 09:50

Tgt Ion: 76 Resp: 26463

Ion Ratio Lower Upper

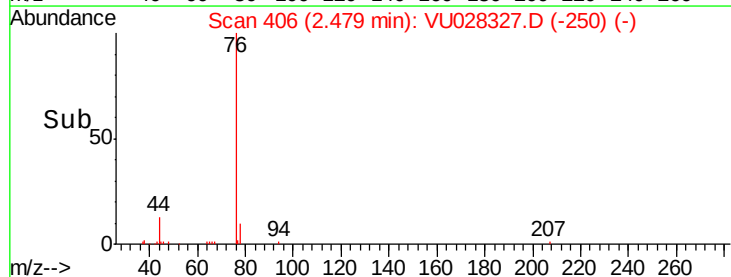
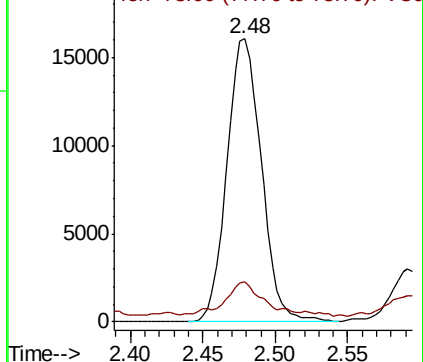
76 100

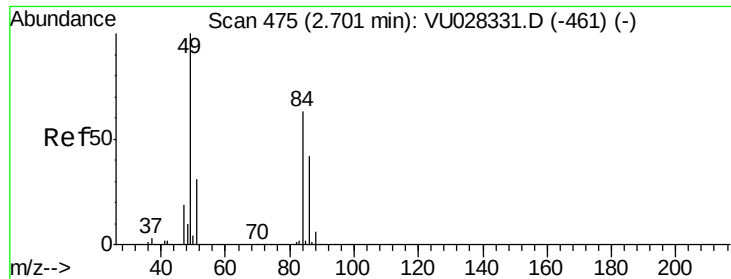
78 11.7 7.4 11.2#



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

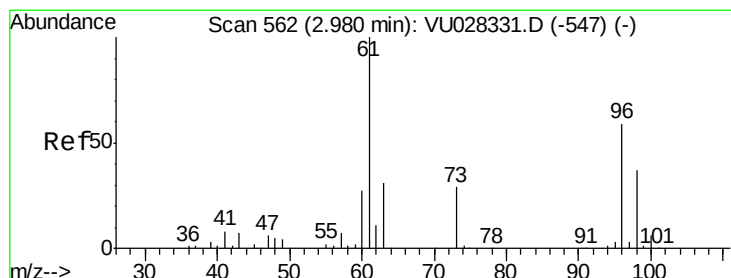
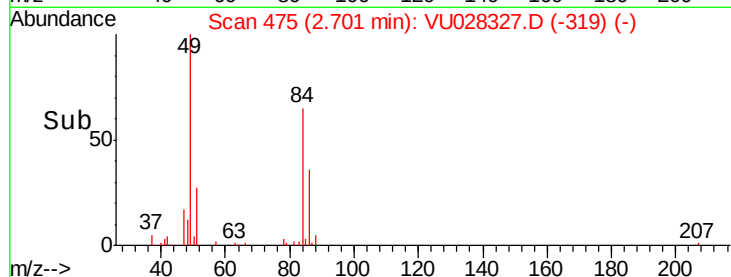
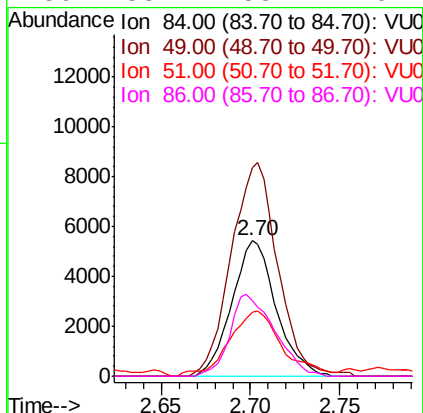
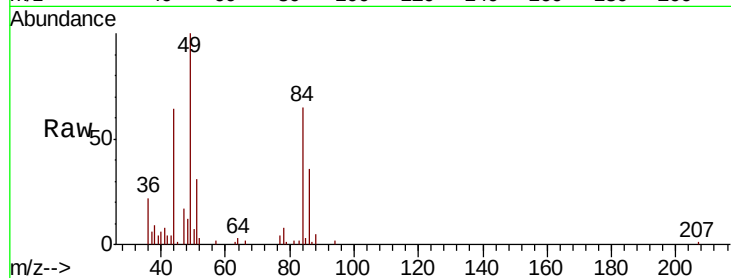




#15
Methylene Chloride
Concen: 0.596 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

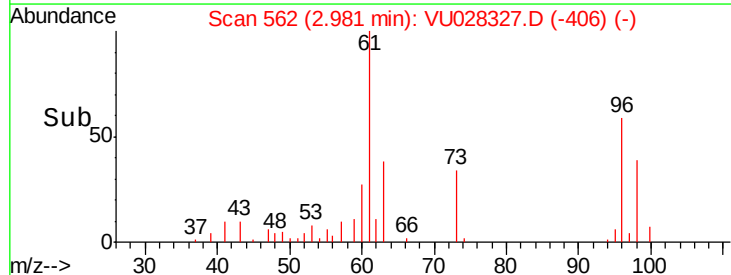
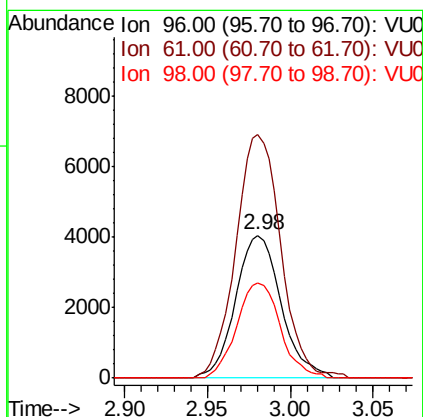
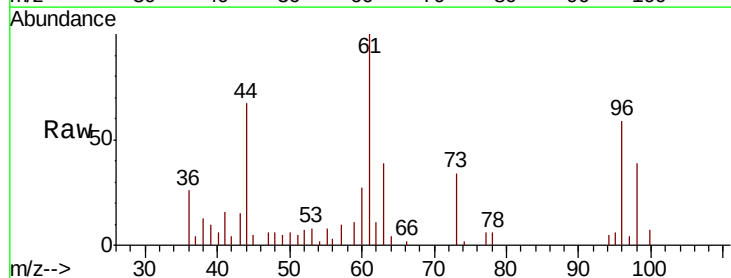
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

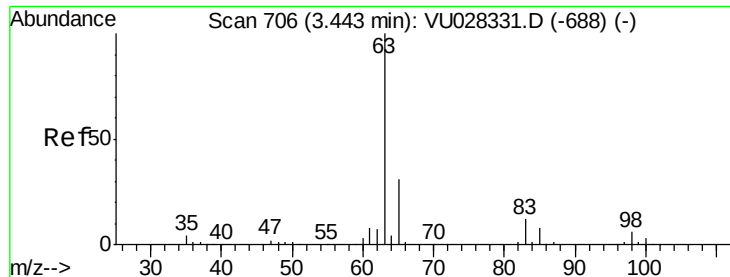
Tgt Ion: 84 Resp: 9392
Ion Ratio Lower Upper
84 100
49 154.0 127.7 191.5
51 44.1 0.0 98.2
86 55.7 53.1 79.7



#16
trans-1,2-Dichloroethene
Concen: 0.533 ug/l
RT: 2.98 min Scan# 562
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Tgt Ion: 96 Resp: 7717
Ion Ratio Lower Upper
96 100
61 170.2 136.4 204.6
98 66.9 49.8 74.8

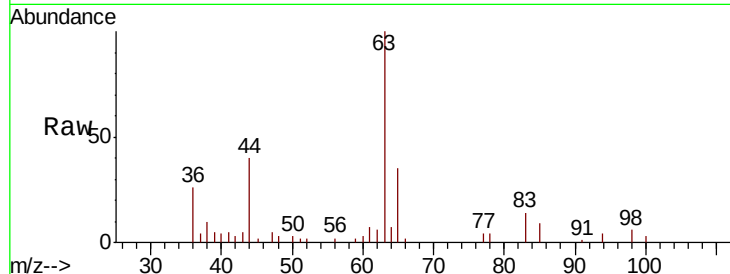




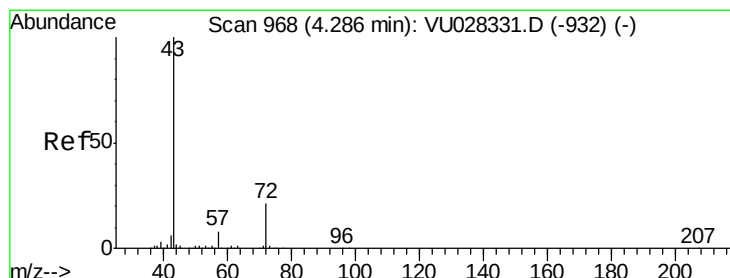
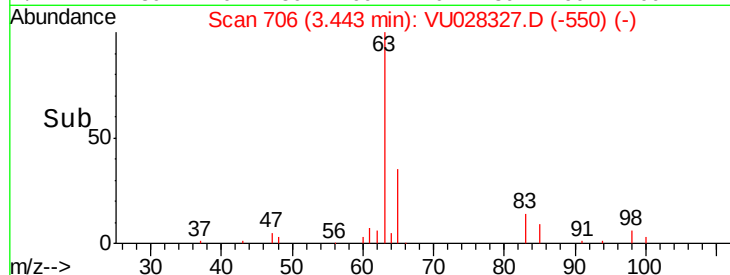
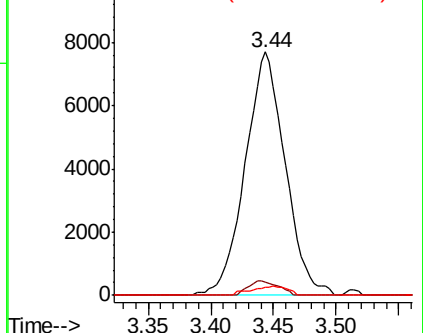
#17
 1,1-Dichloroethane
 Concen: 0.529 ug/l
 RT: 3.44 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VU028327.D
 Acq: 26 Nov 2018 09:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 63 Resp: 17068
 Ion Ratio Lower Upper
 63 100
 98 5.5 3.0 9.0
 100 3.1 1.8 5.3

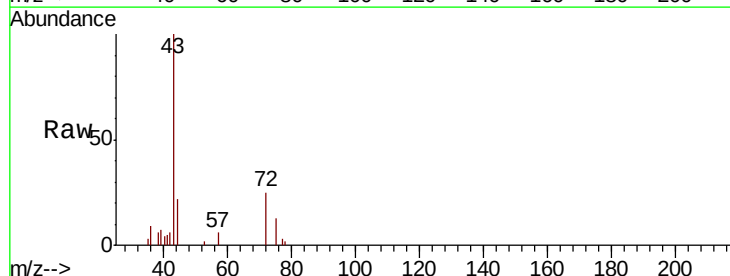


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

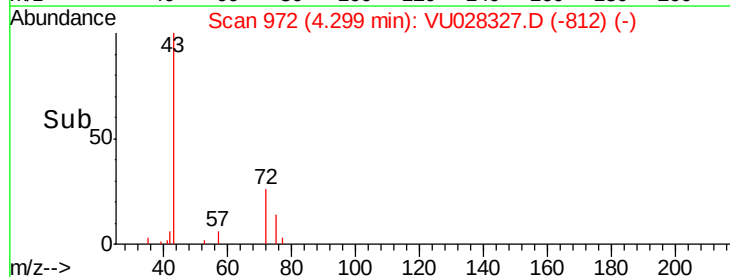
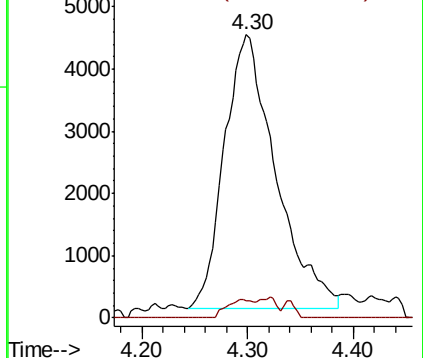


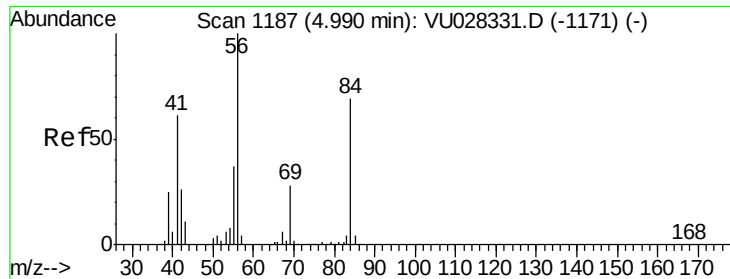
#18
 2-Butanone
 Concen: 2.600 ug/l
 RT: 4.30 min Scan# 972
 Delta R.T. 0.01 min
 Lab File: VU028327.D
 Acq: 26 Nov 2018 09:50

Tgt Ion: 43 Resp: 14830
 Ion Ratio Lower Upper
 43 100
 57 6.3 0.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0

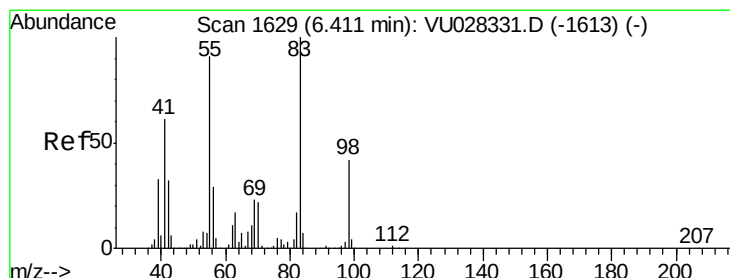
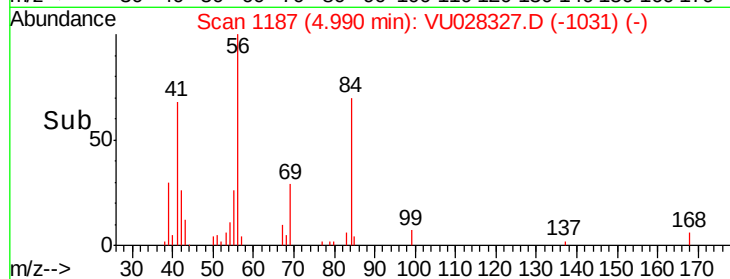
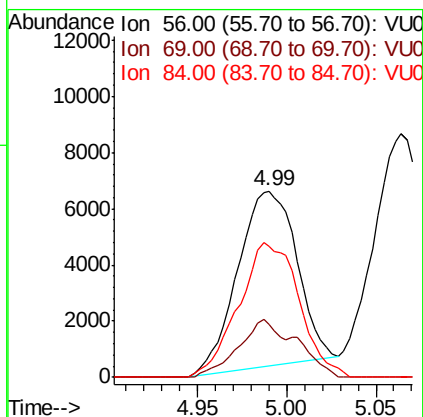
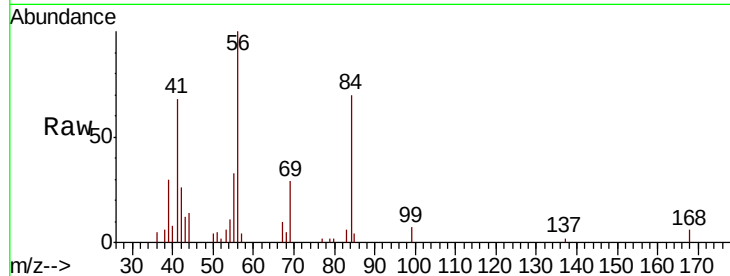




#19
Cyclohexane
Concen: 0.515 ug/l
RT: 4.99 min Scan# 1187
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

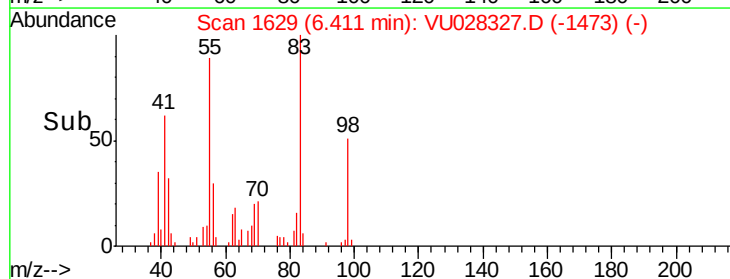
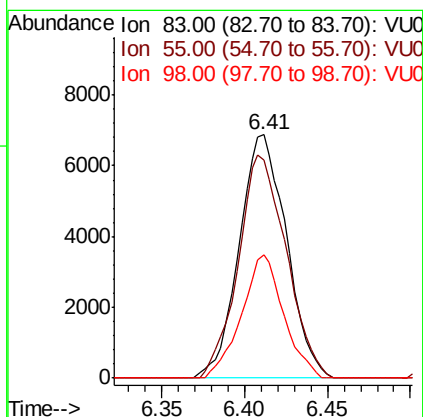
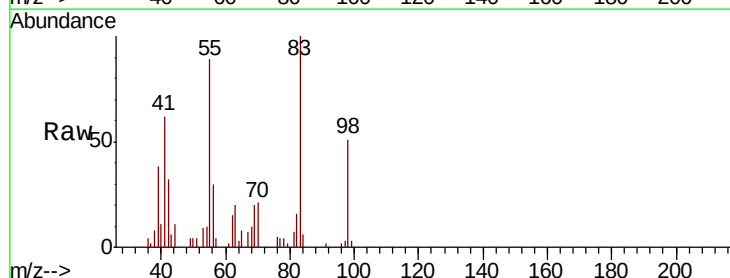
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

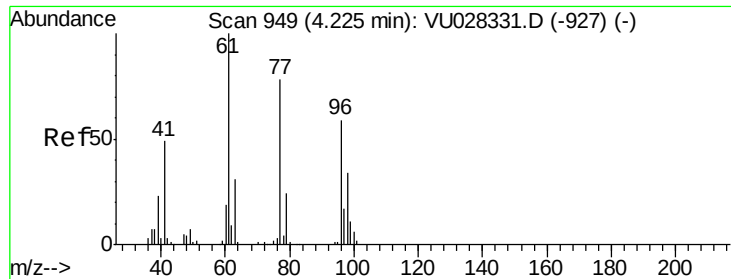
Tgt Ion: 56 Resp: 14437
Ion Ratio Lower Upper
56 100
69 32.4 25.0 37.6
84 78.7 62.6 94.0



#20
Methylcyclohexane
Concen: 0.498 ug/l
RT: 6.41 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Tgt Ion: 83 Resp: 13658
Ion Ratio Lower Upper
83 100
55 93.1 72.6 108.8
98 45.0 33.8 50.8

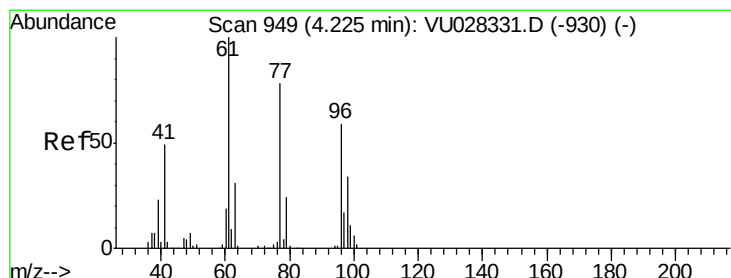
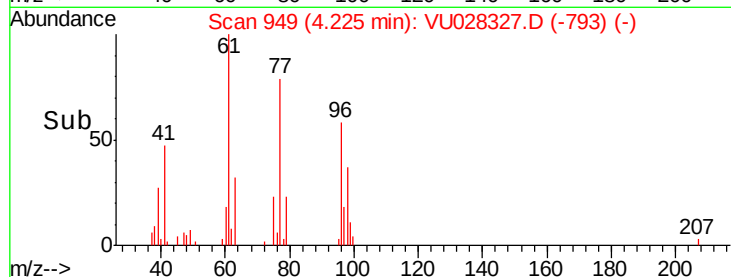
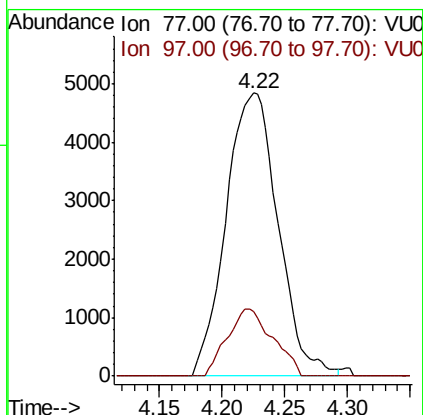
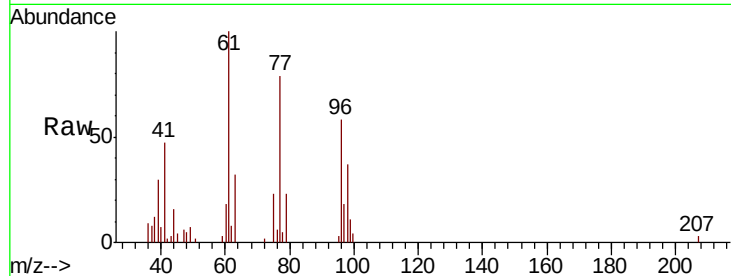




#21
 2,2-Dichloropropane
 Concen: 0.541 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VU028327.D
 Acq: 26 Nov 2018 09:50

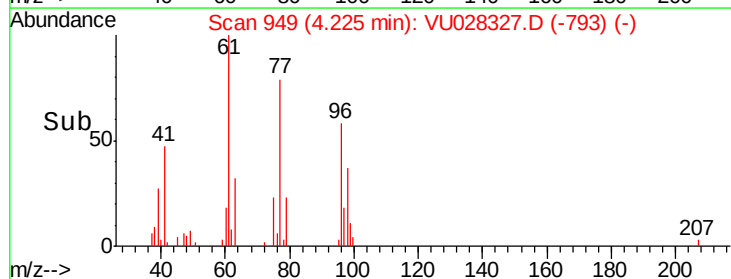
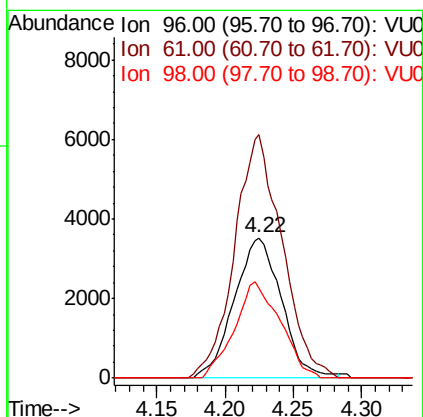
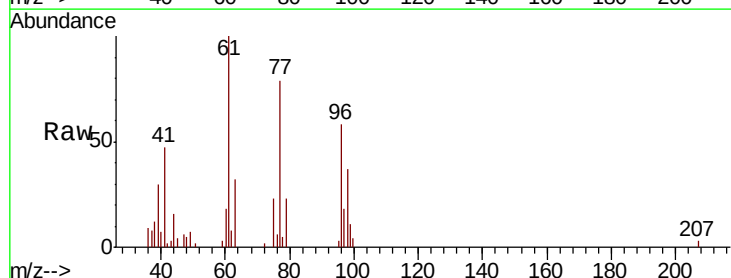
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

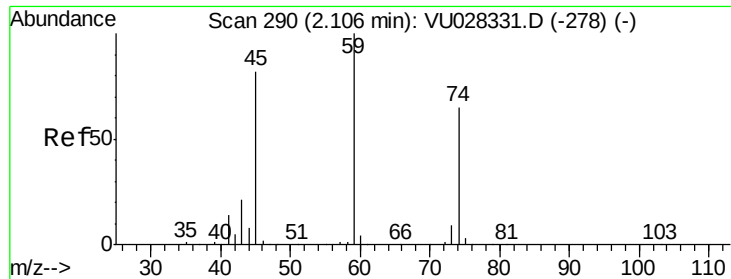
Tgt Ion: 77 Resp: 14016
 Ion Ratio Lower Upper
 77 100
 97 20.7 17.4 26.2



#22
 cis-1,2-Dichloroethene
 Concen: 0.500 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VU028327.D
 Acq: 26 Nov 2018 09:50

Tgt Ion: 96 Resp: 8470
 Ion Ratio Lower Upper
 96 100
 61 174.3 0.0 423.0
 98 66.3 30.3 91.0

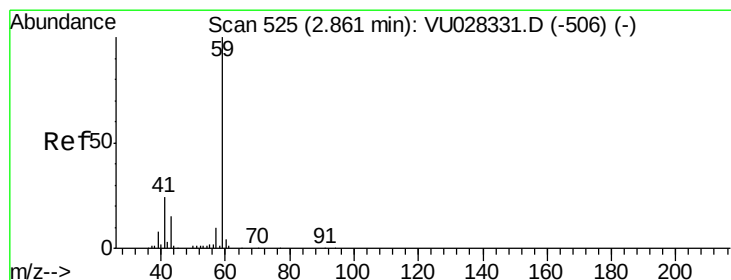
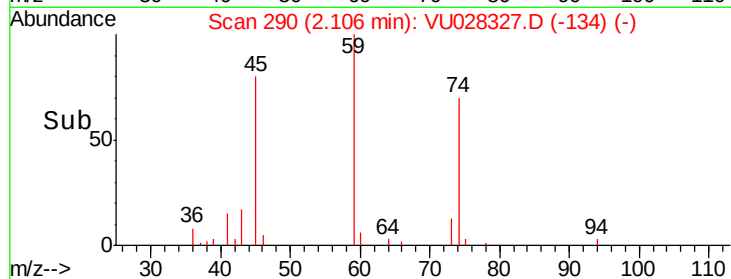
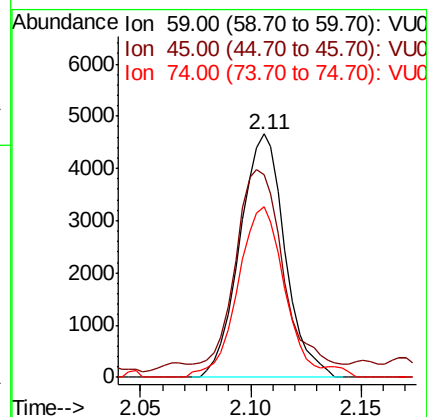
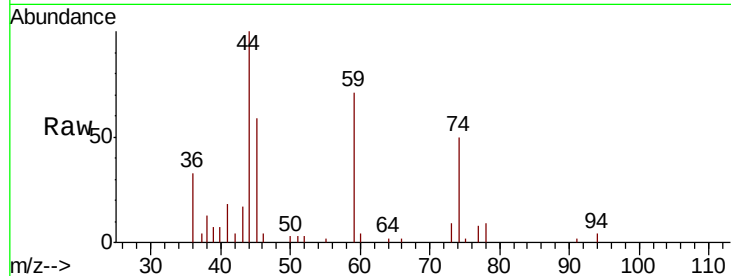




#23
Diethyl Ether
Concen: 0.510 ug/l
RT: 2.11 min Scan# 290
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

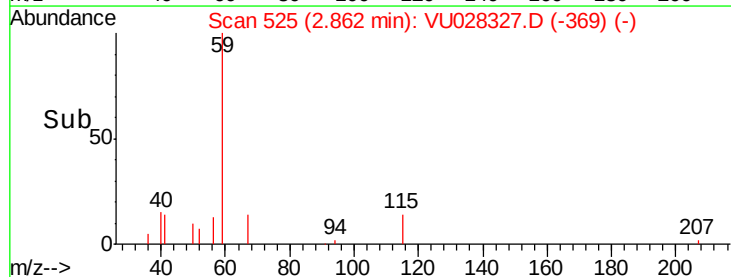
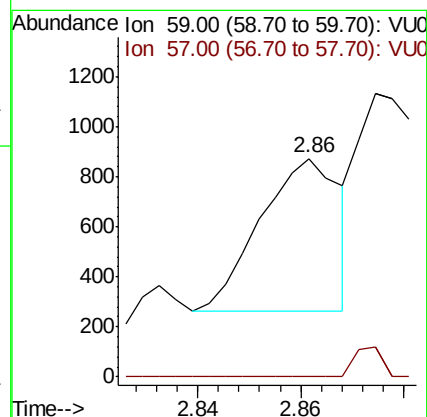
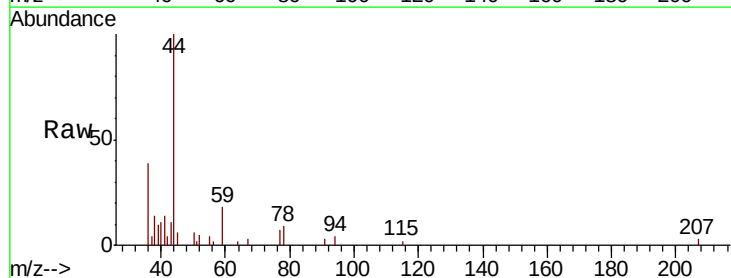
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

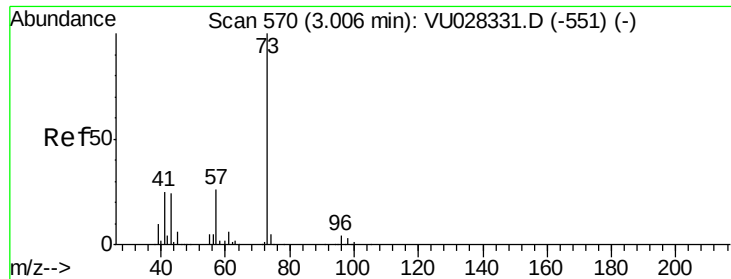
Tgt Ion: 59 Resp: 6614
Ion Ratio Lower Upper
59 100
45 82.7 66.4 99.6
74 72.1 52.2 78.4



#24
tert-Butyl Alcohol
Concen: 0.519 ug/l
RT: 2.86 min Scan# 525
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Tgt Ion: 59 Resp: 651
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#25

Methyl tert-Butyl Ether

Concen: 0.508 ug/l

RT: 3.01 min Scan# 570

Delta R.T. 0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

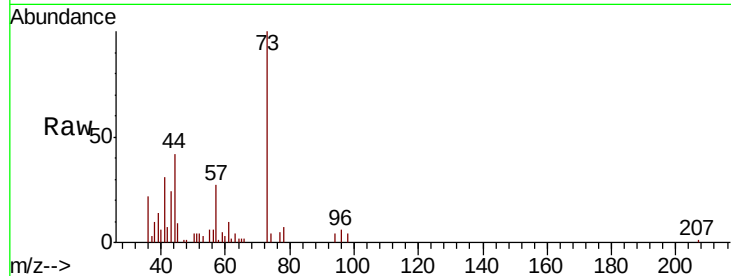
VSTDIC0.5

Tgt Ion: 73 Resp: 19527

Ion Ratio Lower Upper

73 100

43 22.8 18.5 27.7



Abundance Ion 73.00 (72.70 to 73.70): VU028331.D (-551) (-)

Ion 43.00 (42.70 to 43.70): VU028331.D (-551) (-)

3.01

10000

8000

6000

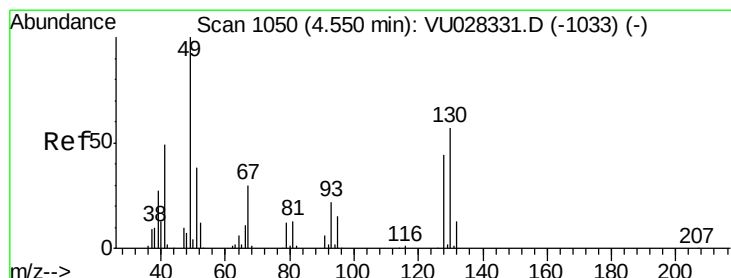
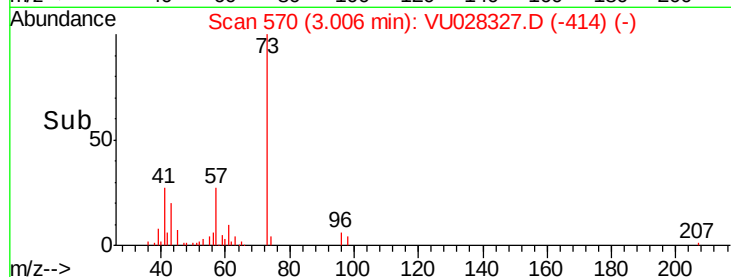
4000

2000

0

Time-->

2.95 3.00 3.05 3.10



#26

Bromochloromethane

Concen: 0.541 ug/l

RT: 4.55 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

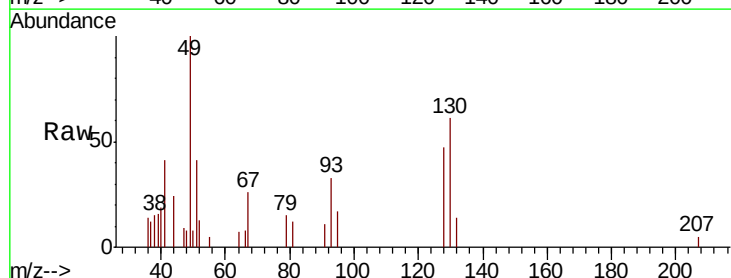
Tgt Ion: 128 Resp: 3490

Ion Ratio Lower Upper

128 100

49 238.7 0.0 457.6

130 135.6 101.4 152.2



Abundance Ion 128.00 (127.70 to 128.70): VU028331.D (-1033) (-)

Ion 49.00 (48.70 to 49.70): VU028331.D (-1033) (-)

Ion 130.00 (129.70 to 130.70): VU028331.D (-1033) (-)

4.55

5000

4000

3000

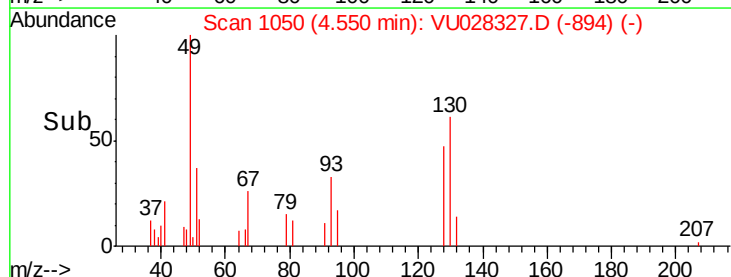
2000

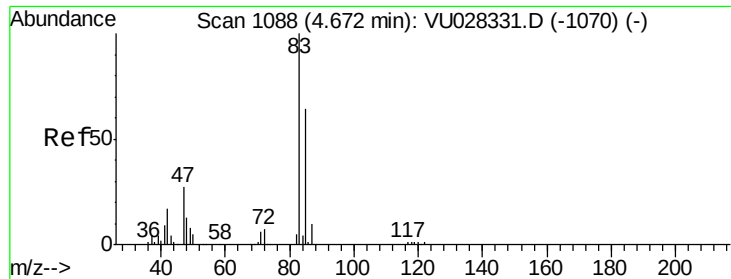
1000

0

Time-->

4.50 4.55 4.60





#27

Chloroform

Concen: 0.566 ug/l

RT: 4.67 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

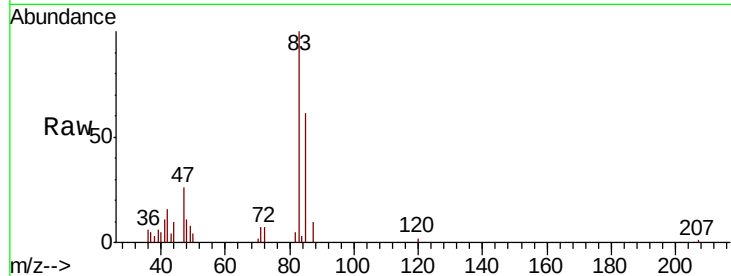
VSTDIC0.5

Tgt Ion: 83 Resp: 17618

Ion Ratio Lower Upper

83 100

85 60.9 0.0 128.0



Abundance Ion 83.00 (82.70 to 83.70): VU028331.D (-1070) (-)

Ion 85.00 (84.70 to 85.70): VU028331.D (-1070) (-)

4.67

8000

6000

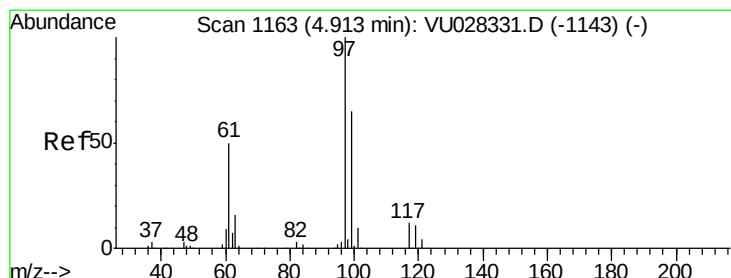
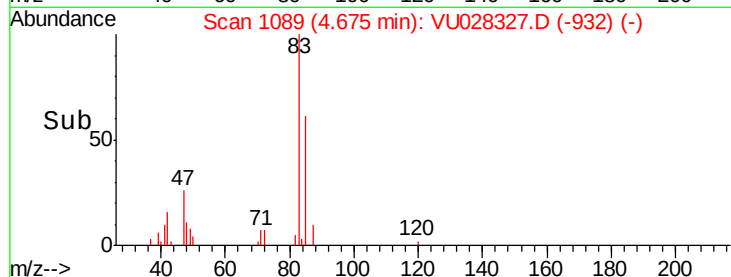
4000

2000

0

4.60 4.65 4.70 4.75

Time-->



#28

1,1,1-Trichloroethane

Concen: 0.514 ug/l

RT: 4.91 min Scan# 1162

Delta R.T. -0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

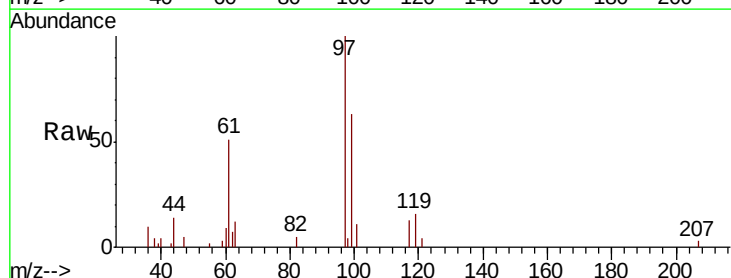
Tgt Ion: 97 Resp: 12490

Ion Ratio Lower Upper

97 100

99 66.2 32.2 96.6

61 50.6 24.9 74.7



Abundance Ion 97.00 (96.70 to 97.70): VU028331.D (-1143) (-)

Ion 99.00 (98.70 to 99.70): VU028331.D (-1143) (-)

Ion 61.00 (60.70 to 61.70): VU028331.D (-1143) (-)

4.91

6000

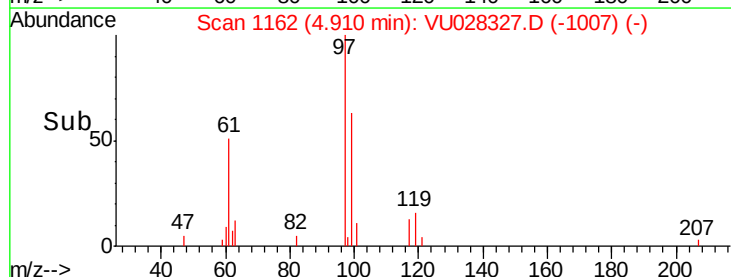
4000

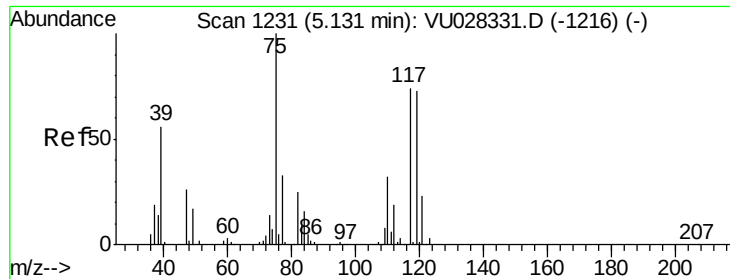
2000

0

4.85 4.90 4.95

Time-->

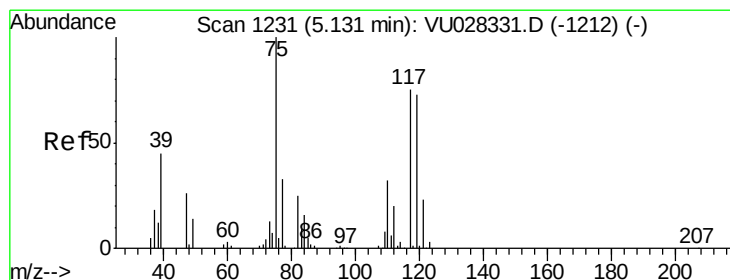
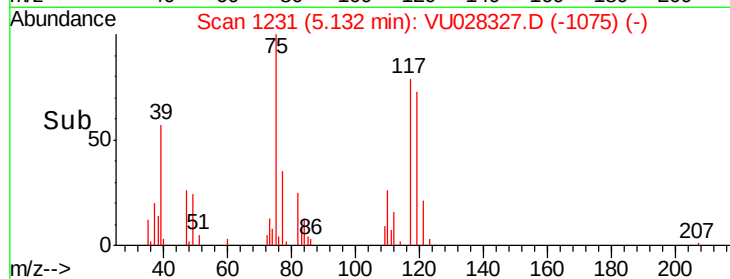
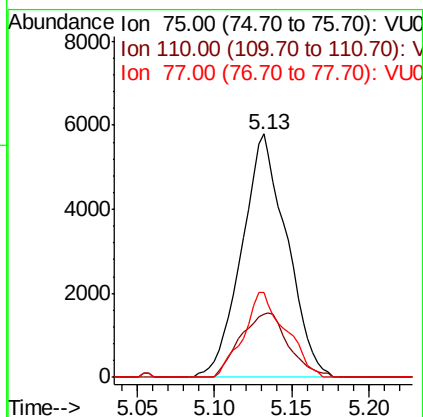
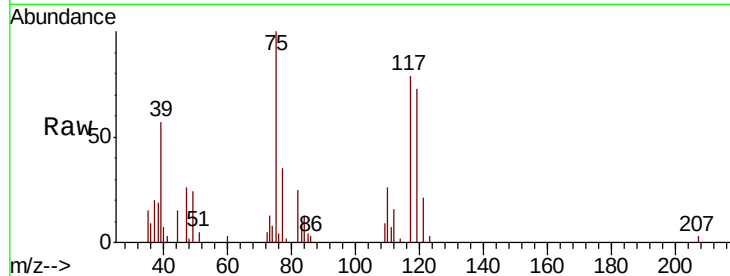




#29
 1,1-Dichloropropene
 Concen: 0.504 ug/l
 RT: 5.13 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VU028327.D
 Acq: 26 Nov 2018 09:50

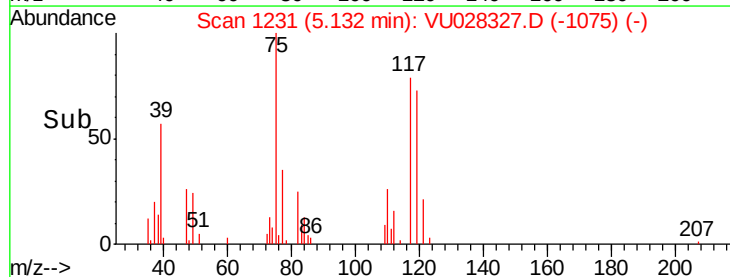
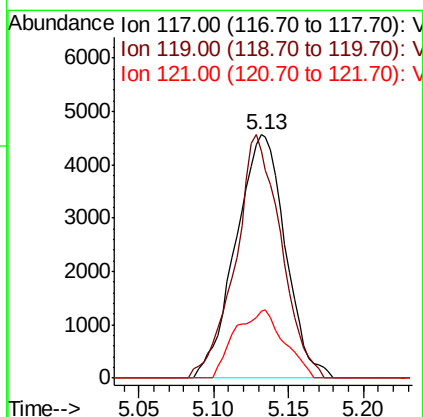
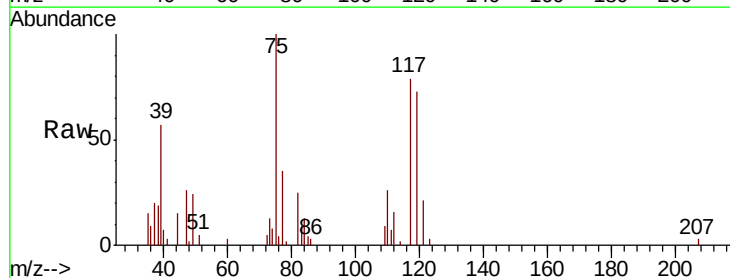
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

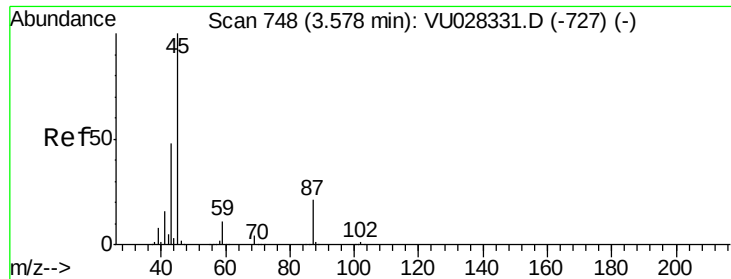
Tgt Ion	Ratio	Lower	Upper
75	100		
110	28.3	15.8	47.3
77	32.7	25.4	38.0



#30
 Carbon Tetrachloride
 Concen: 0.535 ug/l
 RT: 5.13 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VU028327.D
 Acq: 26 Nov 2018 09:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	78.2	117.4
121	27.3	24.7	37.1





#31

Isopropyl Ether

Concen: 0.502 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.01 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

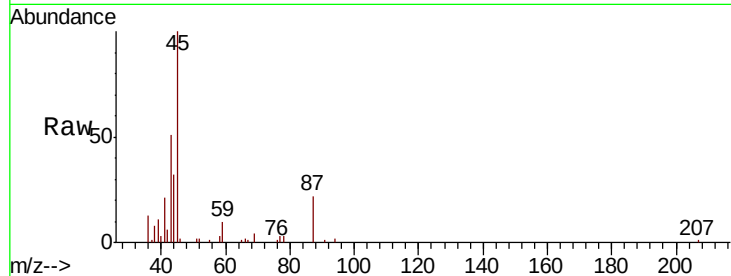
VSTDIC0.5

Tgt Ion: 45 Resp: 29007

Ion Ratio Lower Upper

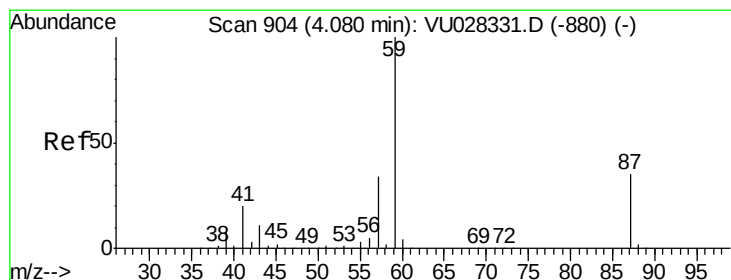
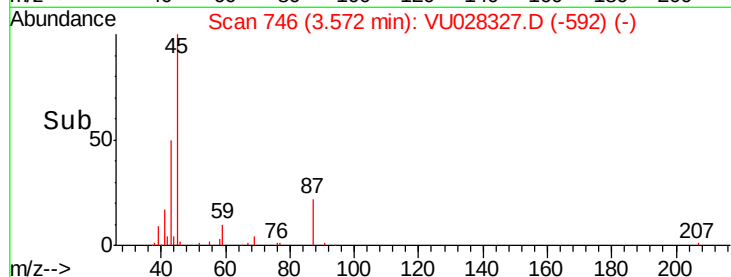
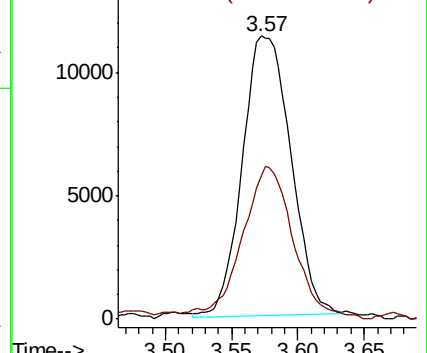
45 100

43 56.7 24.2 72.6



Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0



#32

Ethyl-t-butyl ether

Concen: 0.515 ug/l

RT: 4.08 min Scan# 904

Delta R.T. 0.00 min

Lab File: VU028327.D

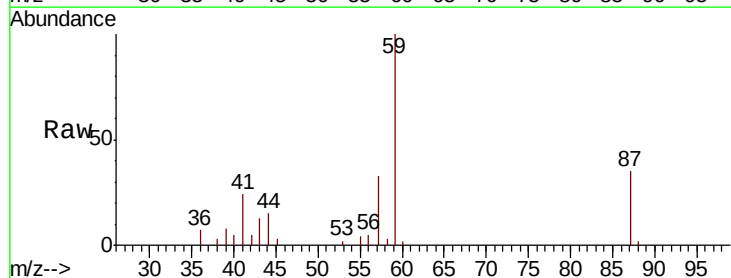
Acq: 26 Nov 2018 09:50

Tgt Ion: 59 Resp: 24486

Ion Ratio Lower Upper

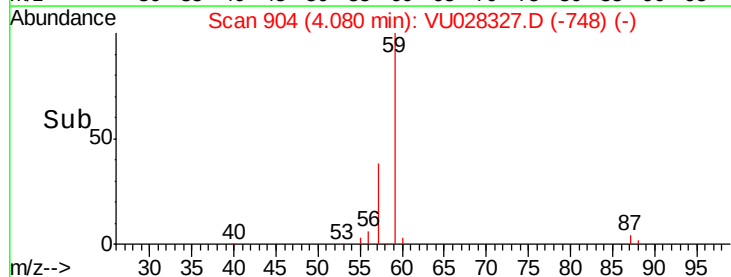
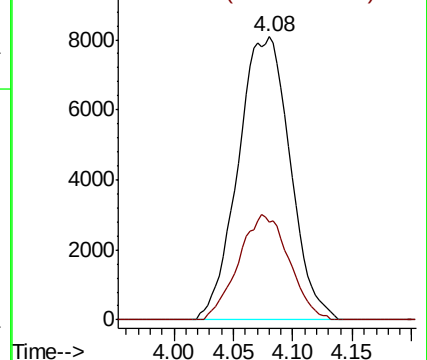
59 100

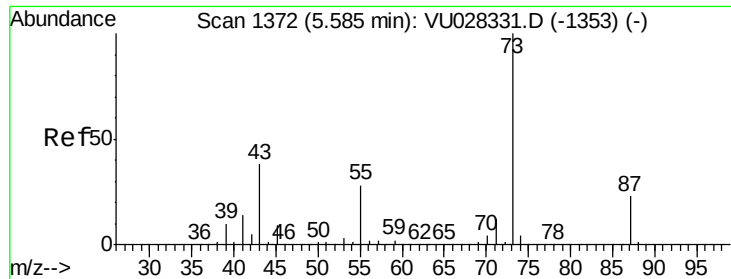
87 36.1 28.2 42.4



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

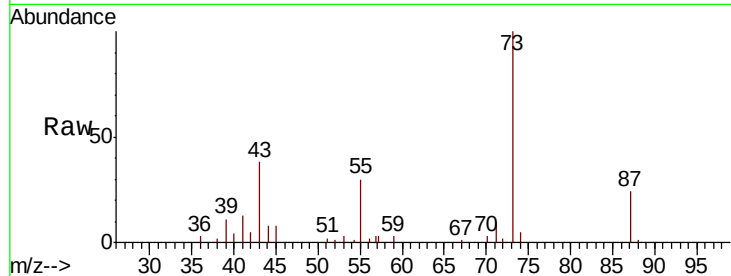




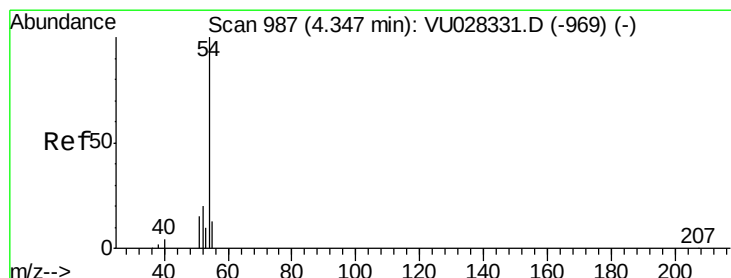
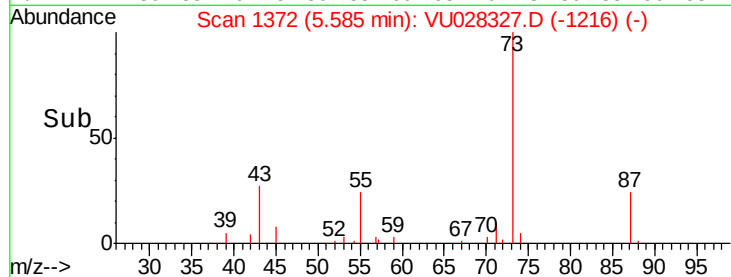
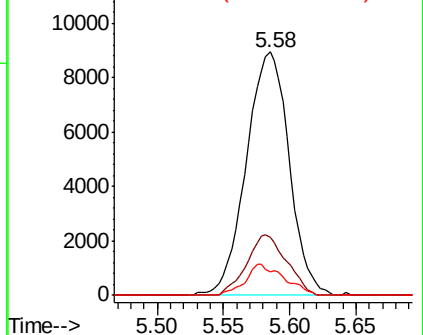
#33
Tert-Amyl methyl ether
Concen: 0.511 ug/l
RT: 5.58 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion: 73 Resp: 20188
Ion Ratio Lower Upper
73 100
87 22.8 17.6 26.4
71 11.5 9.2 13.8

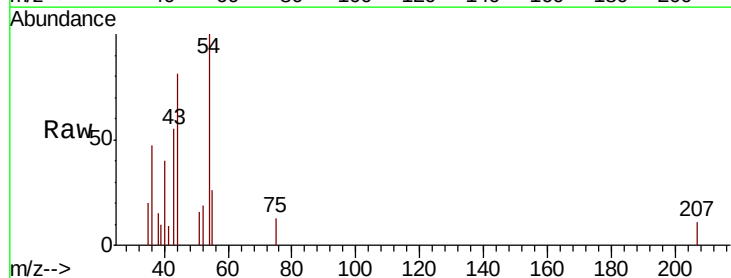


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

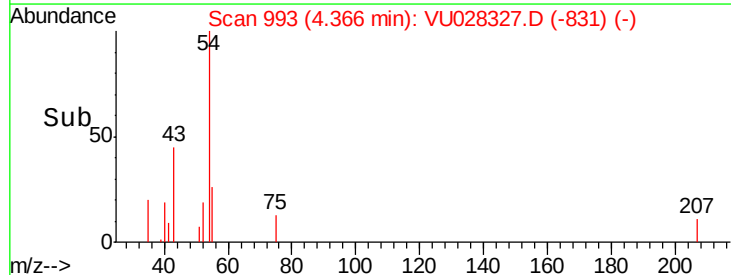
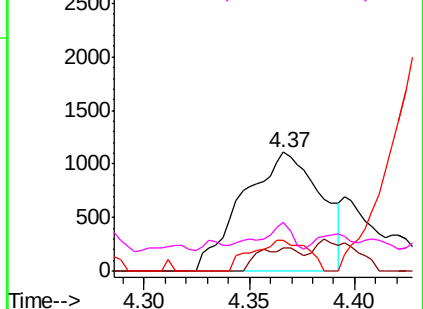


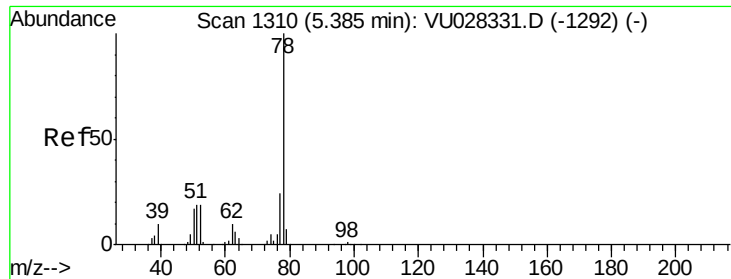
#34
Propionitrile
Concen: 1.995 ug/l
RT: 4.37 min Scan# 993
Delta R.T. 0.02 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Tgt Ion: 54 Resp: 2859
Ion Ratio Lower Upper
54 100
52 10.6 16.6 25.0#
55 18.1 12.9 19.3
40 8.5 2.6 4.0#



Abundance Ion 54.00 (53.70 to 54.70): VU0
Ion 52.00 (51.70 to 52.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 40.00 (39.70 to 40.70): VU0





#35

Benzene

Concen: 0.512 ug/l

RT: 5.39 min Scan# 1310

Delta R.T. 0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

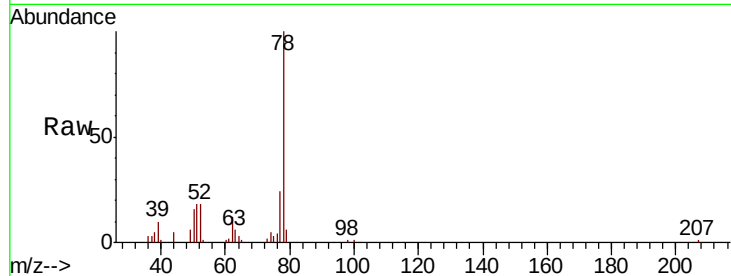
VSTDIC0.5

Tgt Ion: 78 Resp: 35102

Ion Ratio Lower Upper

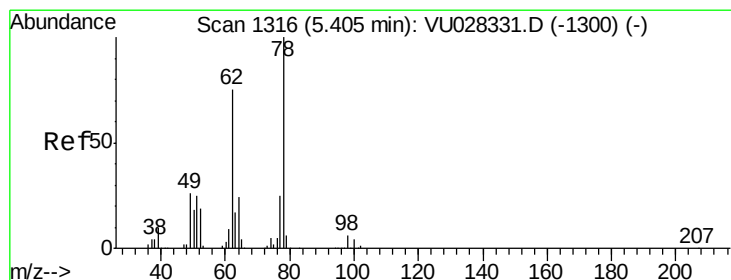
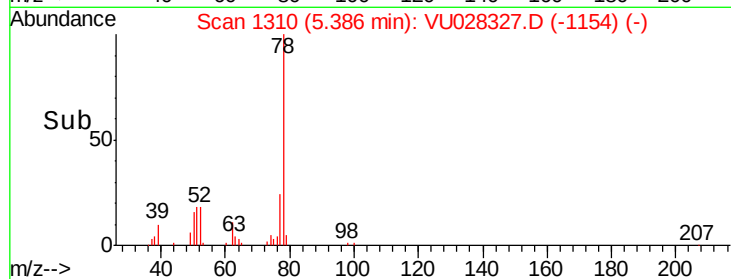
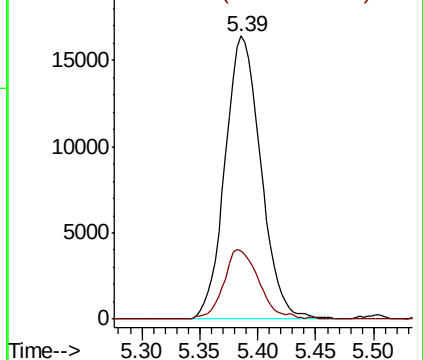
78 100

77 24.0 19.5 29.3



Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0



#36

1,2-Dichloroethane

Concen: 0.537 ug/l

RT: 5.40 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VU028327.D

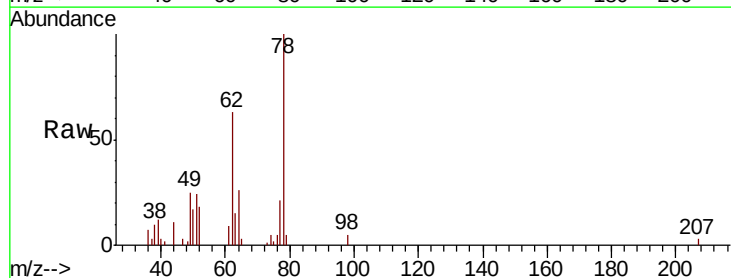
Acq: 26 Nov 2018 09:50

Tgt Ion: 62 Resp: 11028

Ion Ratio Lower Upper

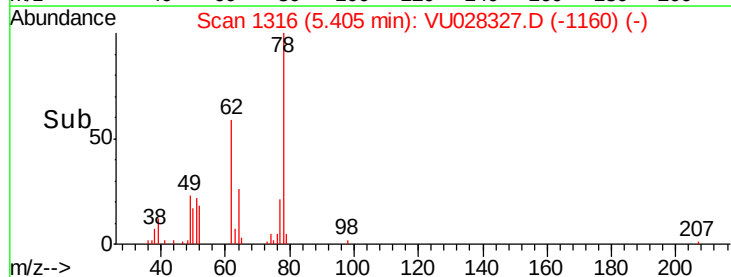
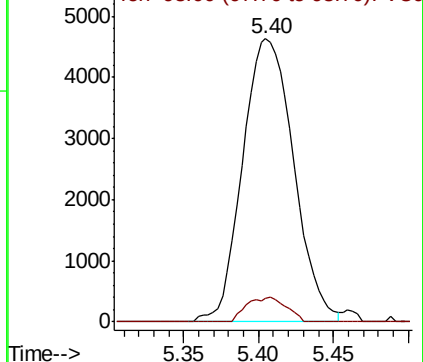
62 100

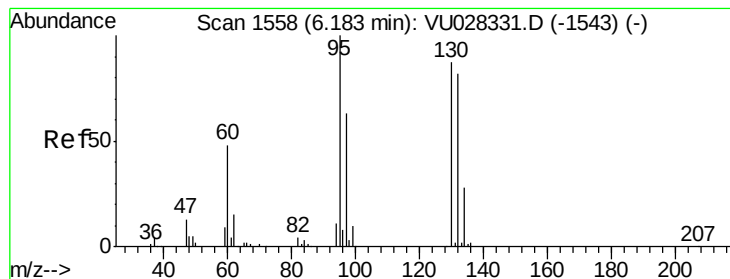
98 6.7 6.0 9.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

Trichloroethene

Concen: 0.523 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

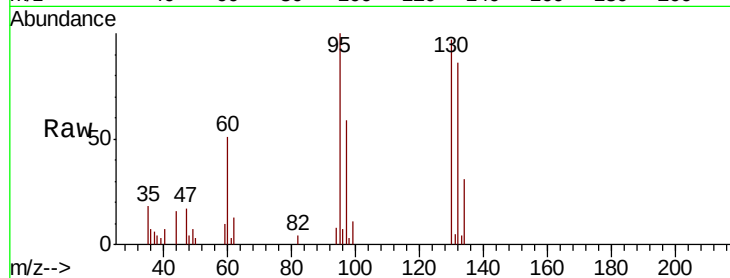
VSTDIC0.5

Tgt Ion:130 Resp: 7817

Ion Ratio Lower Upper

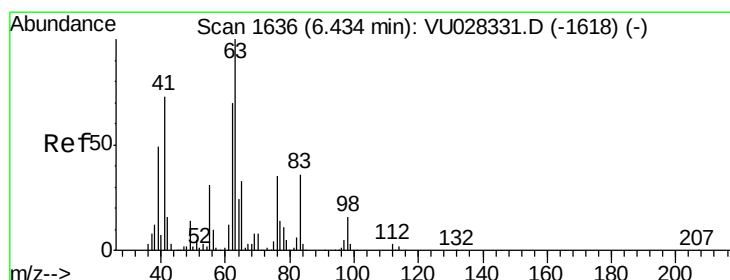
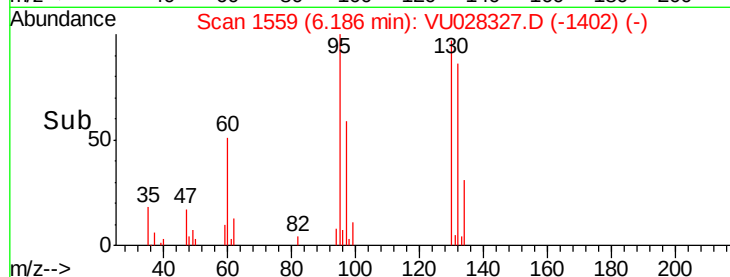
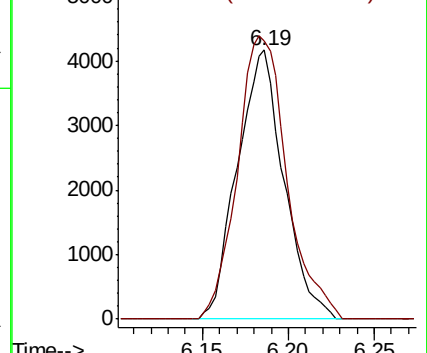
130 100

95 103.4 91.5 137.3



Abundance Ion 129.90 (129.60 to 130.60): VU028331.D (-1543) (-)

Ion 94.90 (94.60 to 95.60): VU028327.D (-1402) (-)



#38

1,2-Dichloropropane

Concen: 0.505 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028327.D

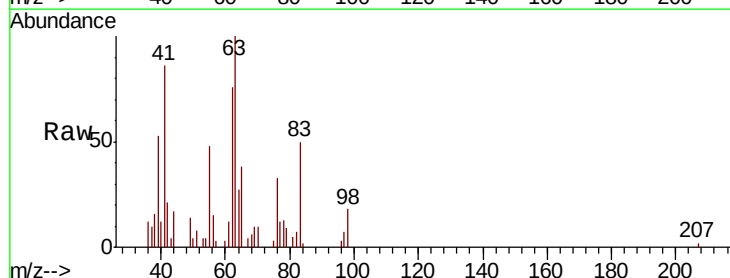
Acq: 26 Nov 2018 09:50

Tgt Ion: 63 Resp: 9883

Ion Ratio Lower Upper

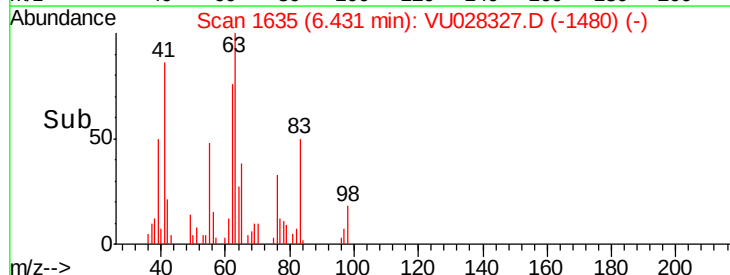
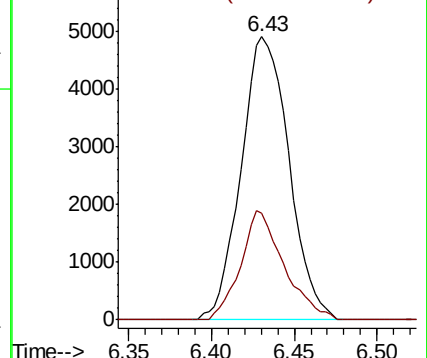
63 100

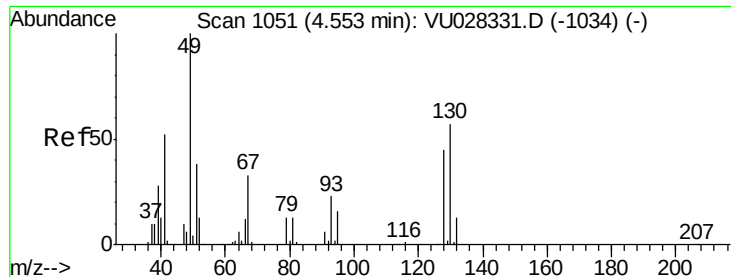
65 37.9 26.2 39.4



Abundance Ion 63.00 (62.70 to 63.70): VU028331.D (-1618) (-)

Ion 65.00 (64.70 to 65.70): VU028327.D (-1480) (-)

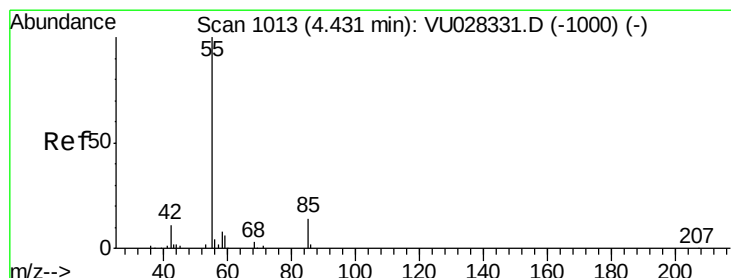
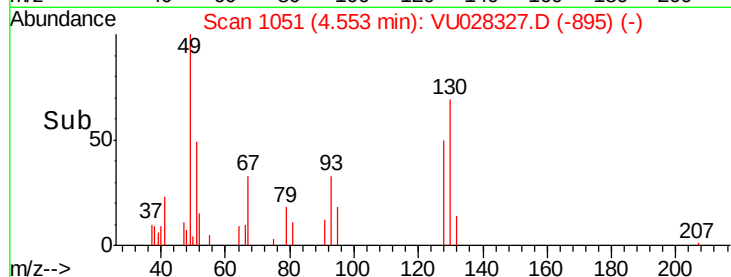
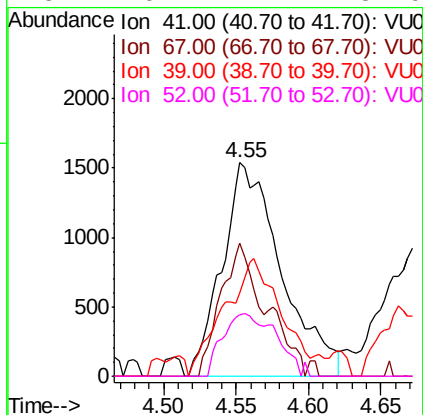
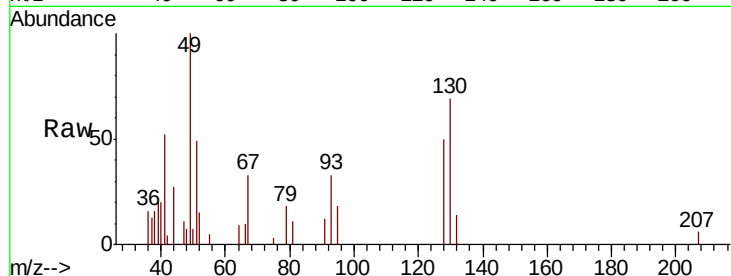




#39
Methacrylonitrile
Concen: 0.571 ug/l
RT: 4.55 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

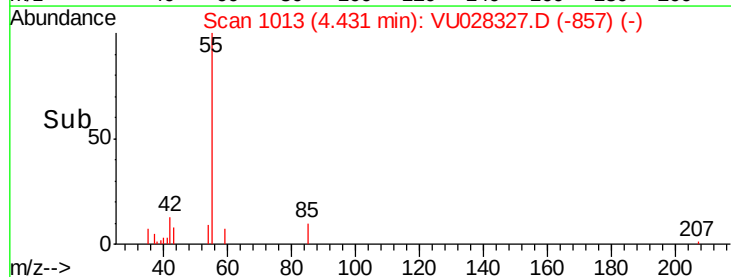
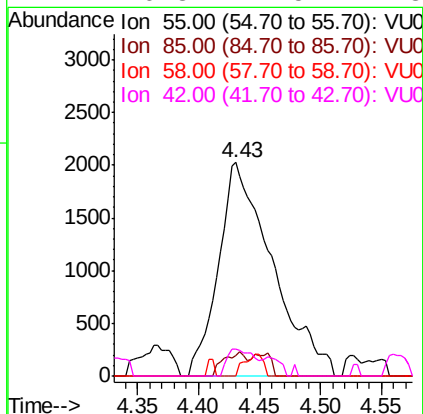
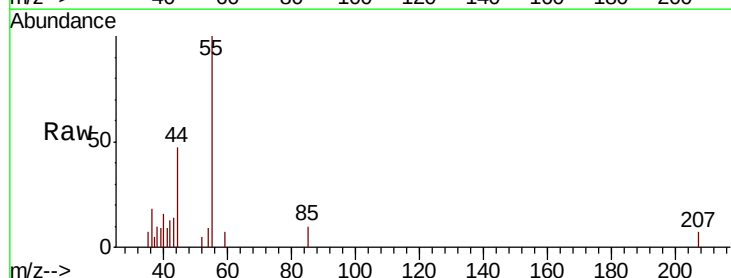
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

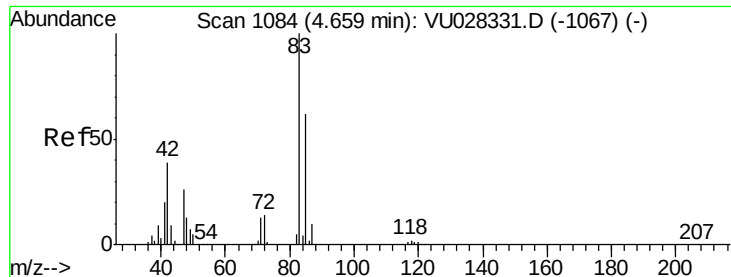
Tgt Ion: 41 Resp: 4383
Ion Ratio Lower Upper
41 100
67 36.2 48.2 72.4#
39 54.1 42.9 64.3
52 26.7 21.4 32.0



#40
Methyl acrylate
Concen: 0.590 ug/l
RT: 4.43 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Tgt Ion: 55 Resp: 6227
Ion Ratio Lower Upper
55 100
85 0.0 10.9 16.3#
58 3.4 6.4 9.6#
42 6.3 7.5 11.3#





#41

Tetrahydrofuran

Concen: 0.987 ug/l

RT: 4.66 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

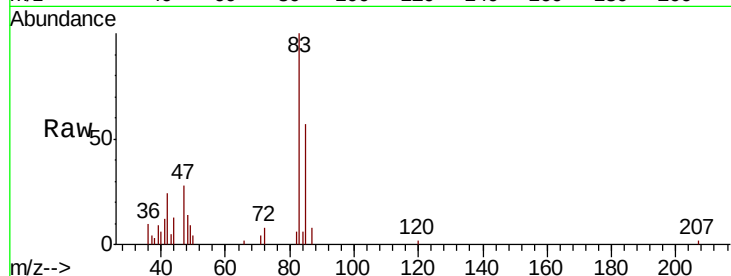
Tgt Ion: 42 Resp: 3807

Ion Ratio Lower Upper

42 100

72 20.7 29.8 44.6#

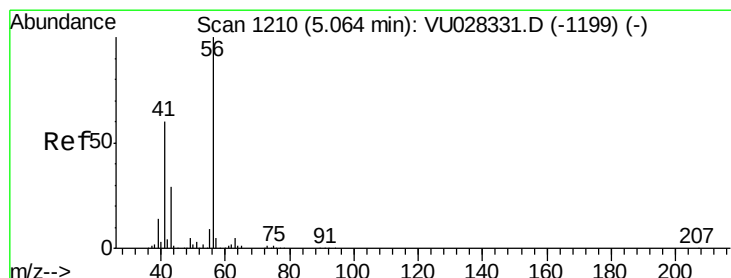
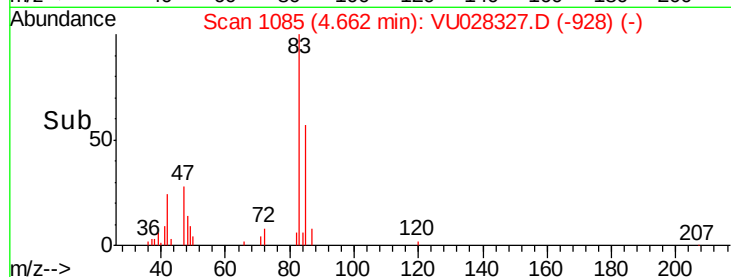
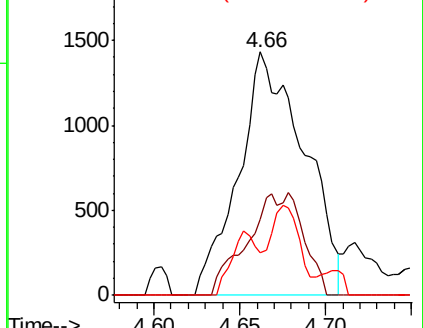
71 16.9 25.9 38.9#



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#42

1-Chlorobutane

Concen: 0.510 ug/l

RT: 5.06 min Scan# 1210

Delta R.T. 0.00 min

Lab File: VU028327.D

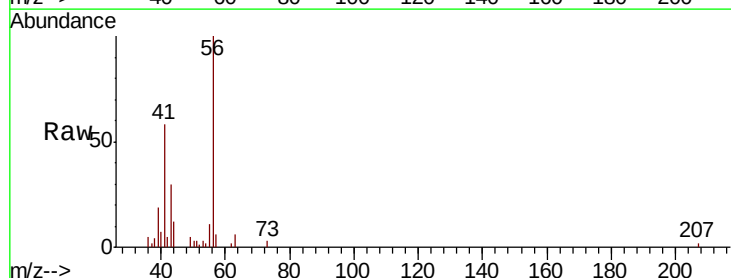
Acq: 26 Nov 2018 09:50

Tgt Ion: 56 Resp: 18908

Ion Ratio Lower Upper

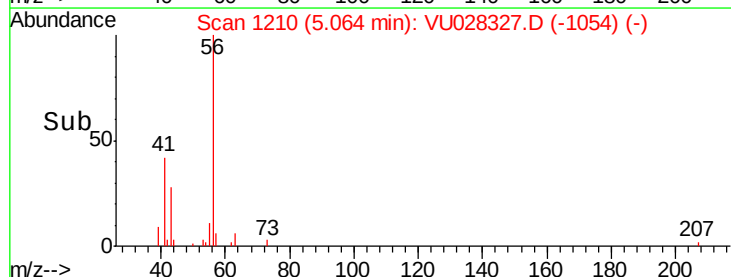
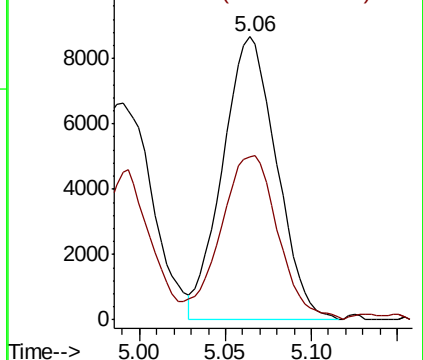
56 100

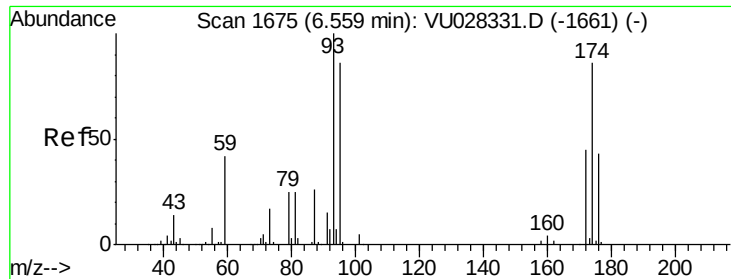
41 61.7 29.8 89.3



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 41.00 (40.70 to 41.70): VU0





#43

Dibromomethane

Concen: 0.474 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

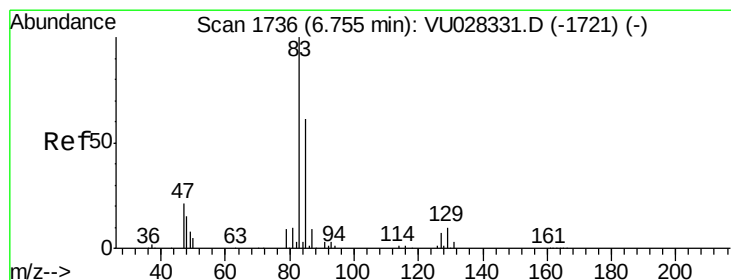
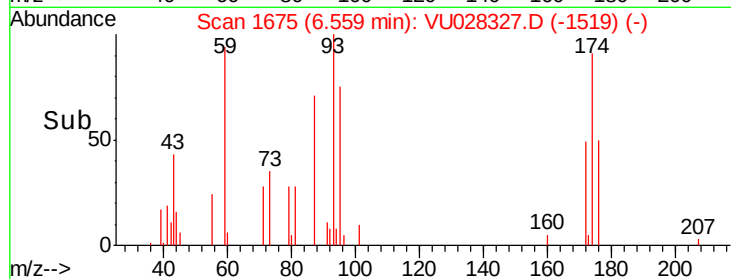
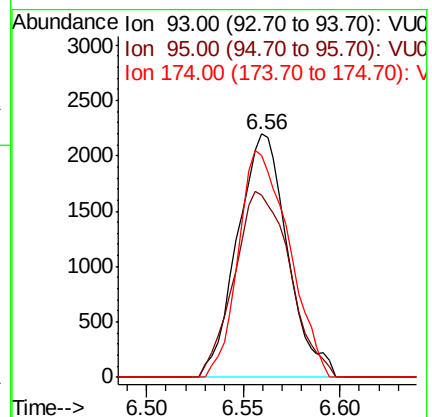
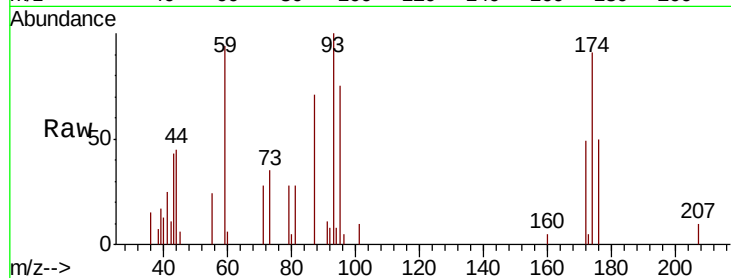
Tgt Ion: 93 Resp: 3949

Ion Ratio Lower Upper

93 100

95 84.8 66.6 99.8

174 94.0 69.4 104.2



#44

Bromodichloromethane

Concen: 0.507 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

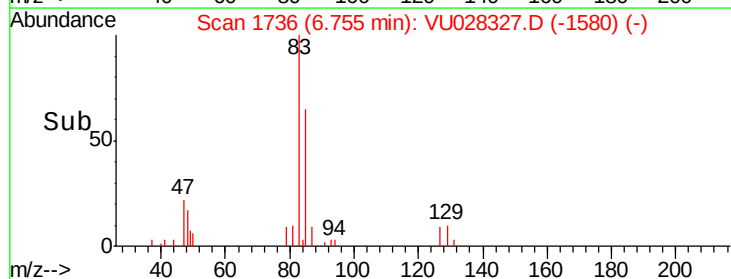
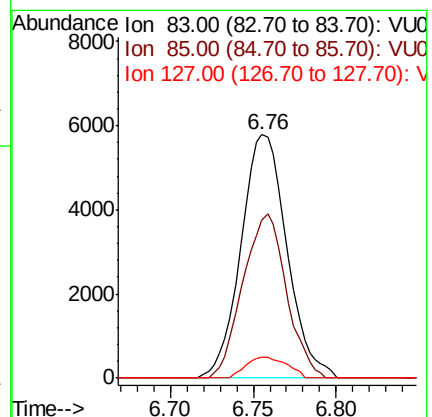
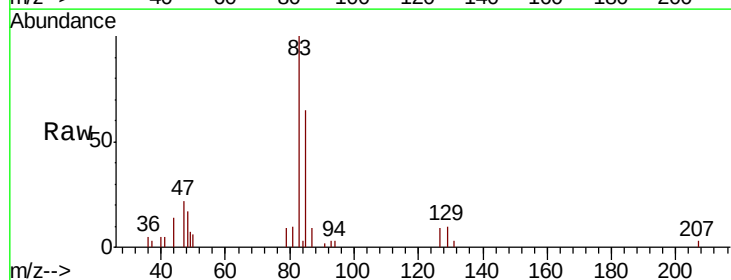
Tgt Ion: 83 Resp: 11148

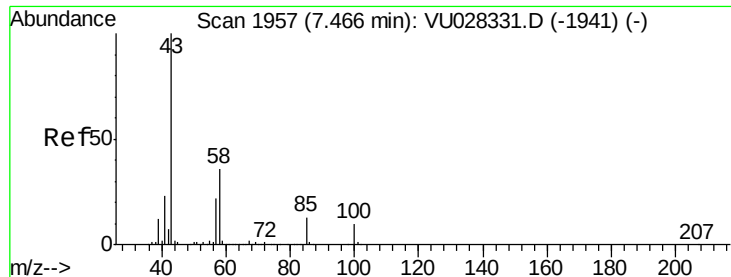
Ion Ratio Lower Upper

83 100

85 64.7 49.0 73.6

127 8.7 5.7 8.5#

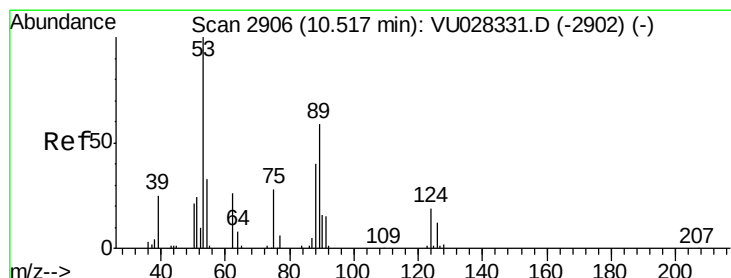
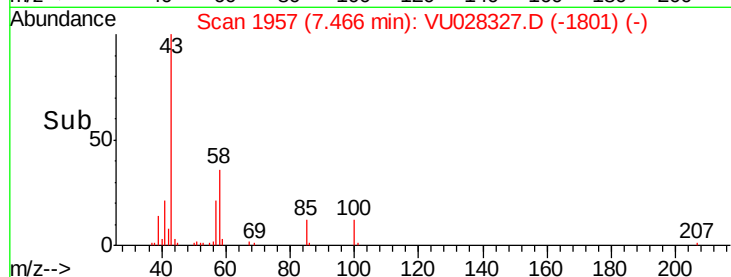
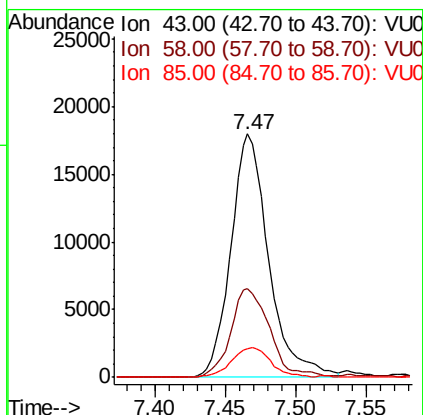
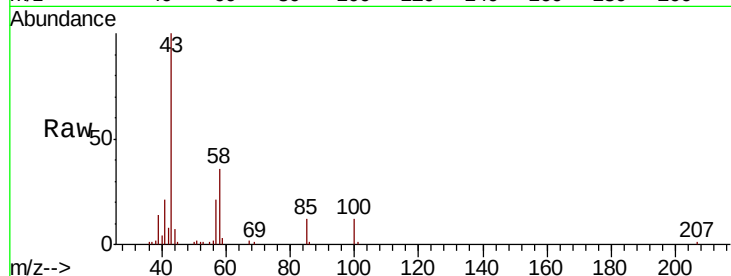




#45
 4-Methyl-2-Pentanone
 Concen: 2.526 ug/l
 RT: 7.47 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU028327.D
 Acq: 26 Nov 2018 09:50

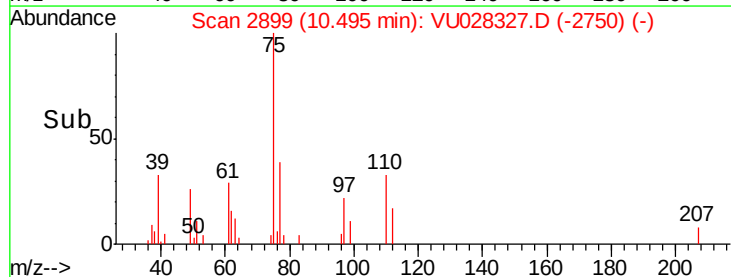
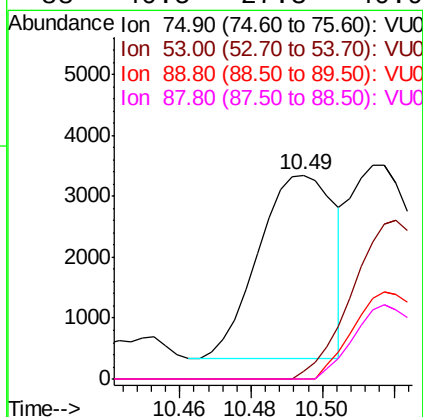
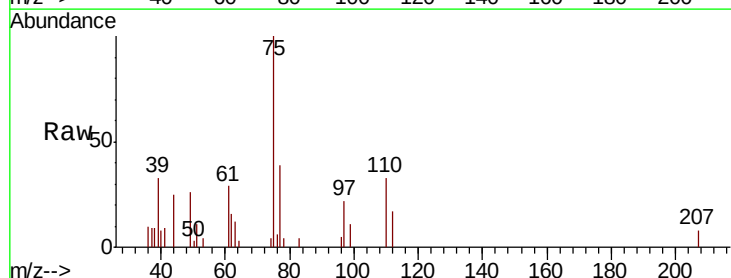
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

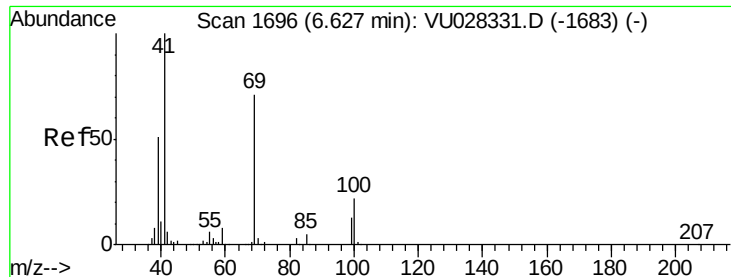
Tgt Ion: 43 Resp: 33805
 Ion Ratio Lower Upper
 43 100
 58 37.4 17.9 53.7
 85 12.8 10.8 16.2



#46
 t-1,4-Dichloro-2-butene
 Concen: 0.932 ug/l
 RT: 10.49 min Scan# 2899
 Delta R.T. -0.02 min
 Lab File: VU028327.D
 Acq: 26 Nov 2018 09:50

Tgt Ion: 75 Resp: 4473
 Ion Ratio Lower Upper
 75 100
 53 95.5 65.0 97.6
 89 50.7 38.6 58.0
 88 40.5 27.3 40.9

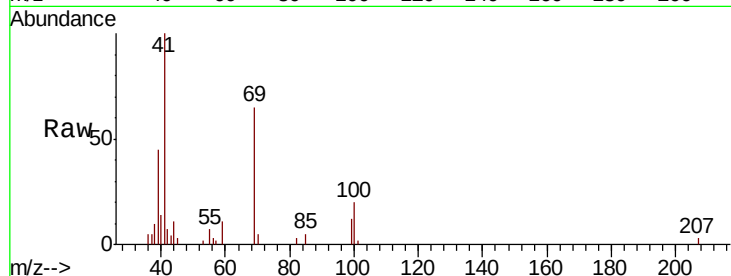




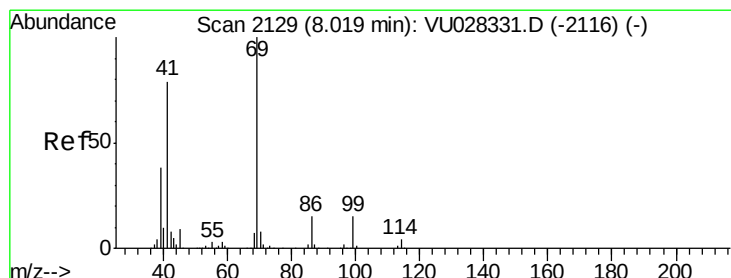
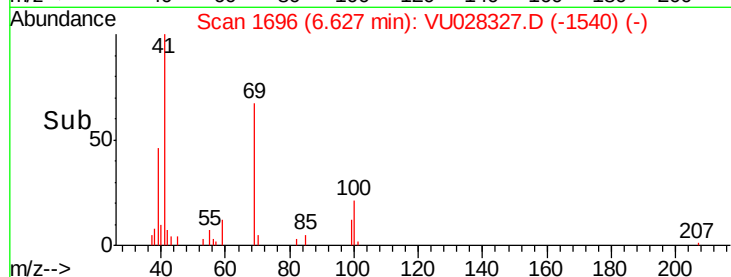
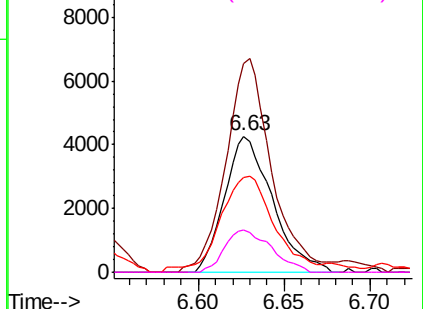
#47
Methyl methacrylate
Concen: 0.973 ug/l
RT: 6.63 min Scan# 1696
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion: 69 Resp: 8276
Ion Ratio Lower Upper
69 100
41 150.6 0.0 277.2
39 79.9 57.6 86.4
100 30.3 24.4 36.6

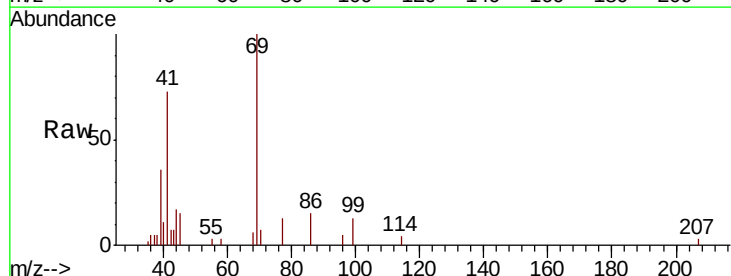


Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

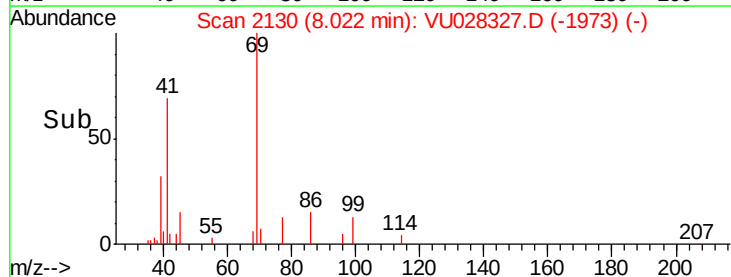
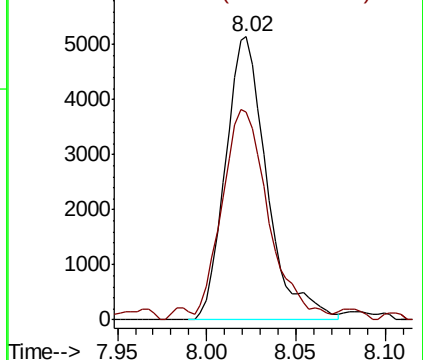


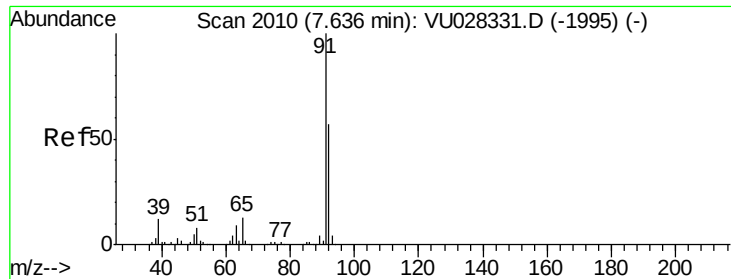
#48
Ethyl methacrylate
Concen: 0.487 ug/l
RT: 8.02 min Scan# 2130
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Tgt Ion: 69 Resp: 8290
Ion Ratio Lower Upper
69 100
41 83.4 39.4 118.2



Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0





#49

Toluene

Concen: 0.496 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

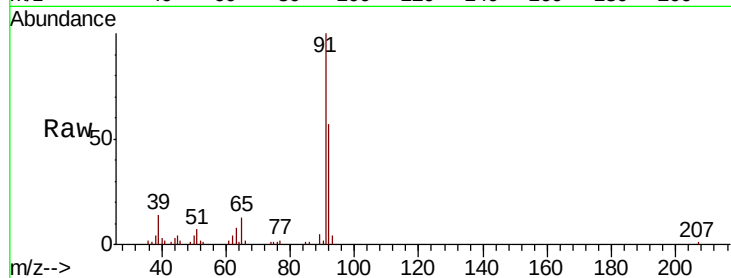
VSTDIC0.5

Tgt Ion: 92 Resp: 18920

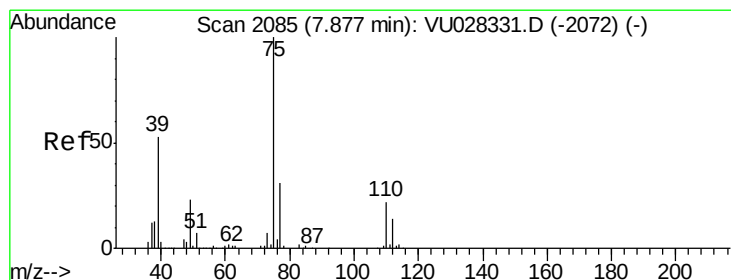
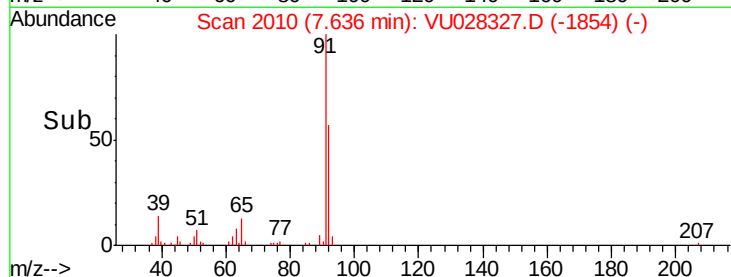
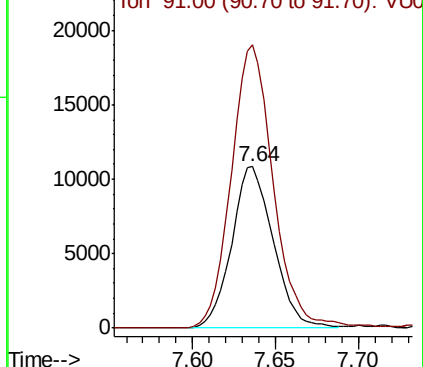
Ion Ratio Lower Upper

92 100

91 176.9 141.5 212.3



Abundance Ion 92.00 (91.70 to 92.70): VU028331.D (-1995) (-)



#50

t-1,3-Dichloropropene

Concen: 0.499 ug/l

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU028327.D

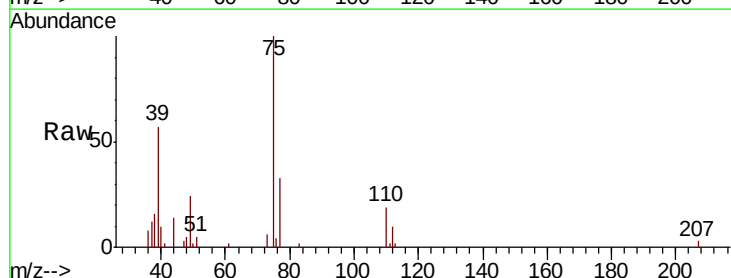
Acq: 26 Nov 2018 09:50

Tgt Ion: 75 Resp: 10540

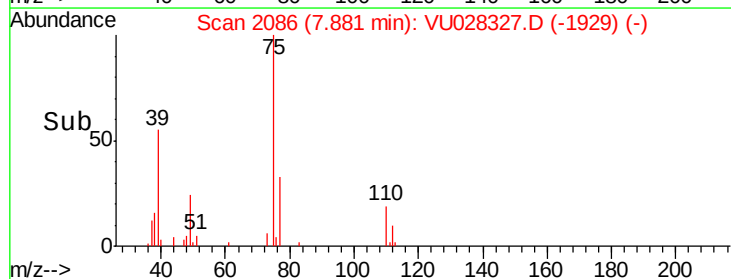
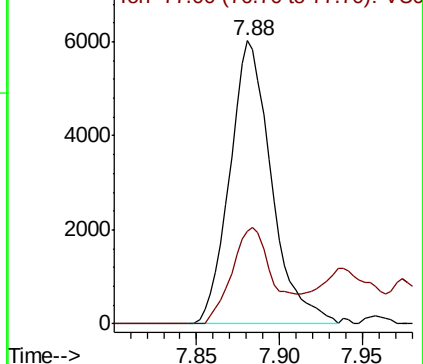
Ion Ratio Lower Upper

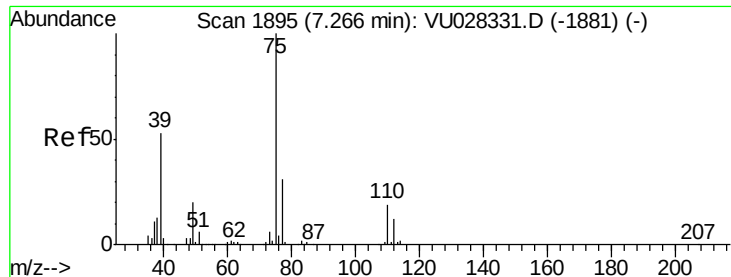
75 100

77 32.8 24.7 37.1



Abundance Ion 75.00 (74.70 to 75.70): VU028331.D (-2072) (-)





#51

cis-1,3-Dichloropropene

Concen: 0.505 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. 0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

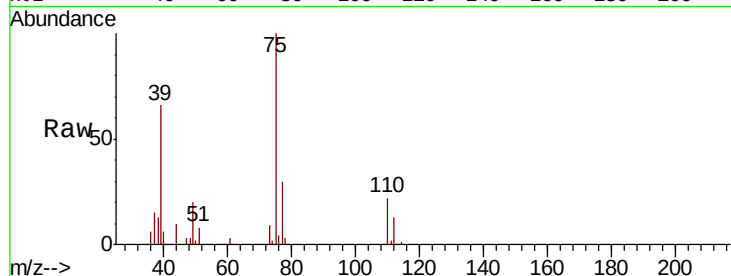
Tgt Ion: 75 Resp: 13169

Ion Ratio Lower Upper

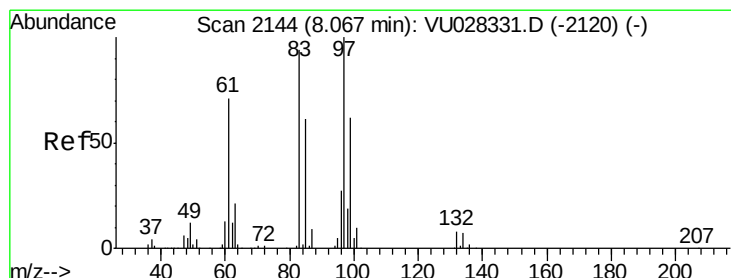
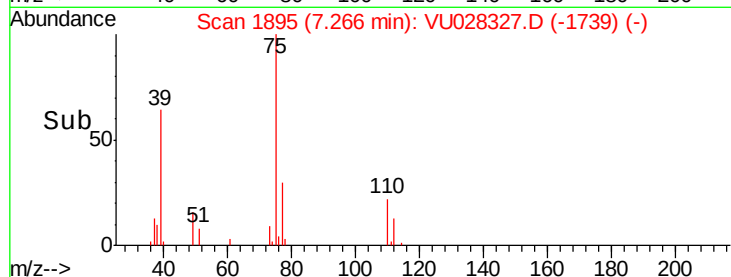
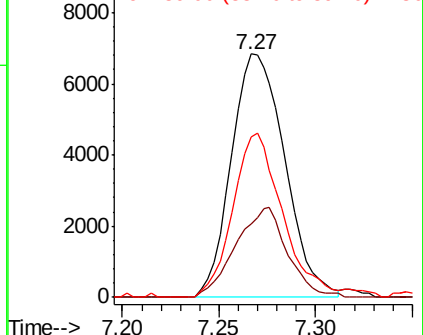
75 100

77 30.0 24.4 36.6

39 66.0 42.8 64.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0
Ion 39.00 (38.70 to 39.70): VU0



#52

1,1,2-Trichloroethane

Concen: 0.540 ug/l

RT: 8.07 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

Tgt Ion: 97 Resp: 6315

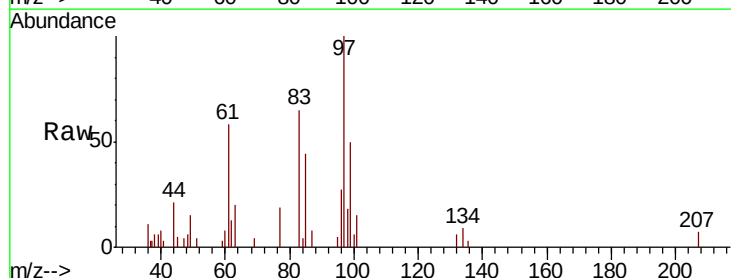
Ion Ratio Lower Upper

97 100

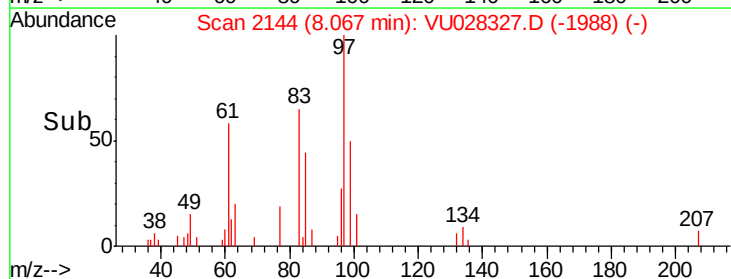
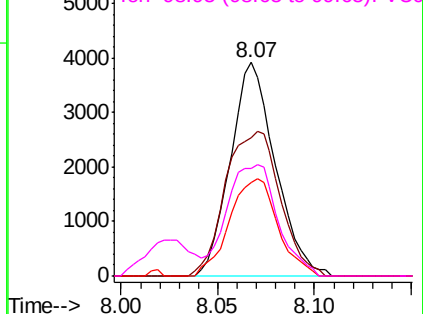
83 64.9 75.1 112.7#

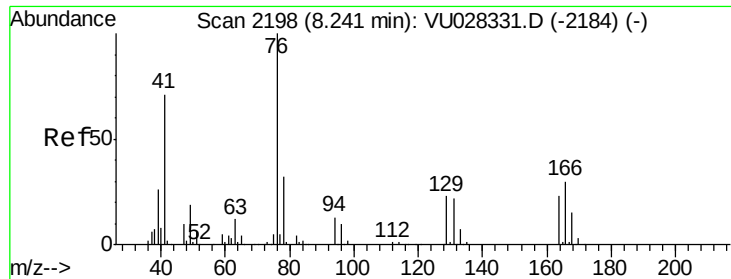
85 43.9 48.7 73.1#

99 50.2 49.6 74.4



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 84.95 (84.65 to 85.65): VU0
Ion 98.95 (98.65 to 99.65): VU0

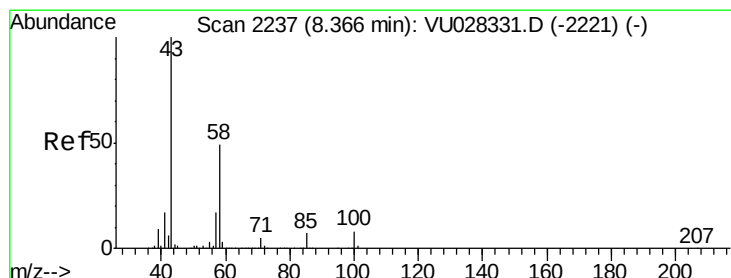
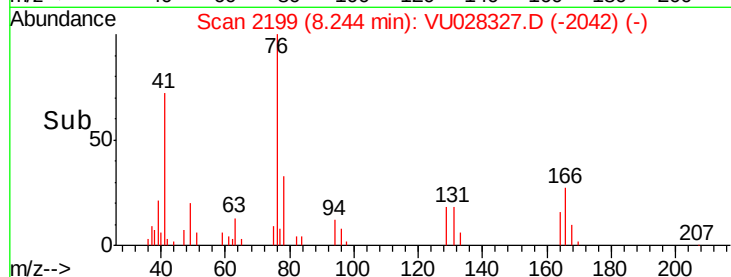
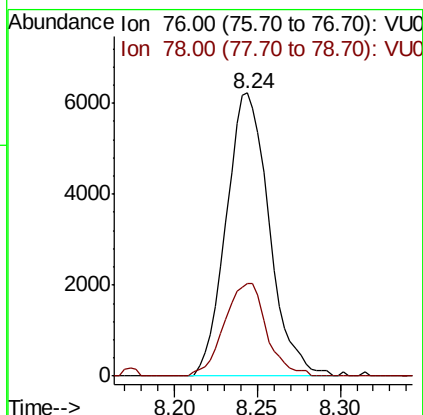
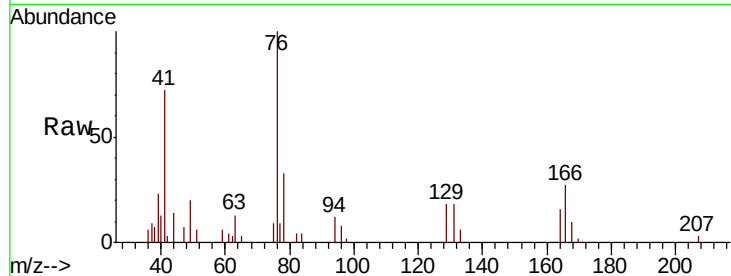




#53
 1,3-Dichloropropane
 Concen: 0.513 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU028327.D
 Acq: 26 Nov 2018 09:50

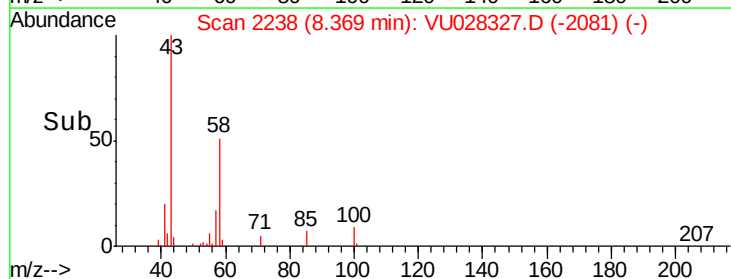
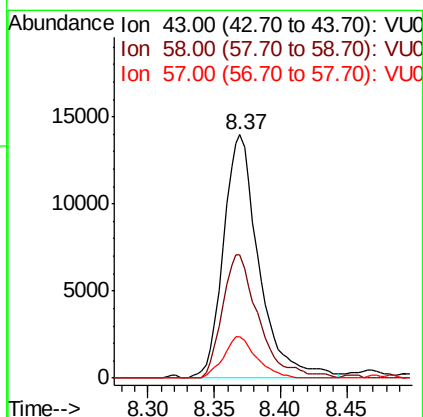
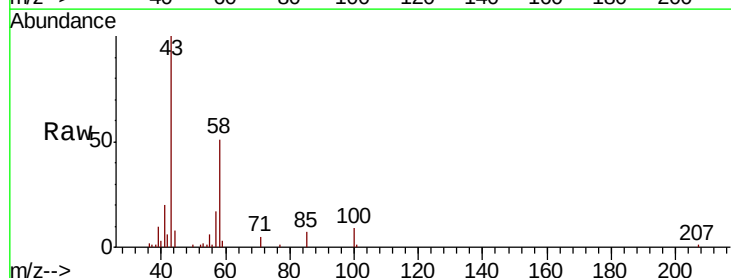
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

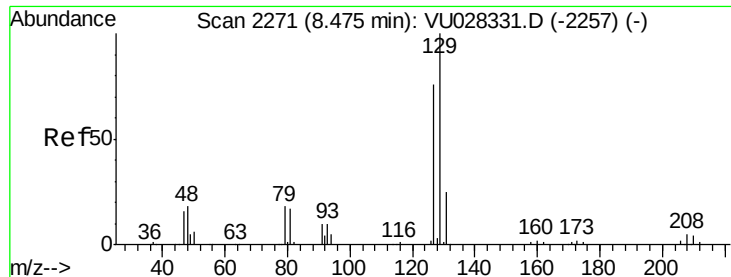
Tgt Ion: 76 Resp: 11207
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.4 38.0



#54
 2-Hexanone
 Concen: 2.700 ug/l
 RT: 8.37 min Scan# 2238
 Delta R.T. 0.00 min
 Lab File: VU028327.D
 Acq: 26 Nov 2018 09:50

Tgt Ion: 43 Resp: 25991
 Ion Ratio Lower Upper
 43 100
 58 51.8 29.3 69.3
 57 15.7 0.0 36.8





#55

Dibromochloromethane

Concen: 0.491 ug/l

RT: 8.48 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

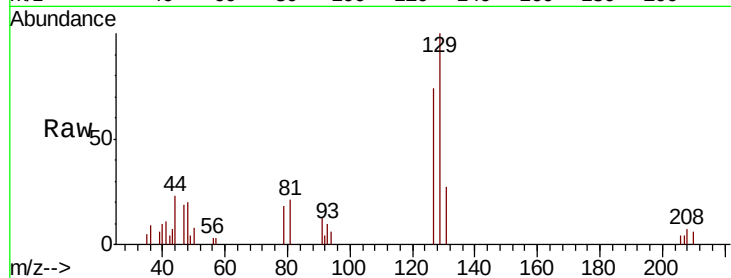
VSTDIC0.5

Tgt Ion:129 Resp: 6106

Ion Ratio Lower Upper

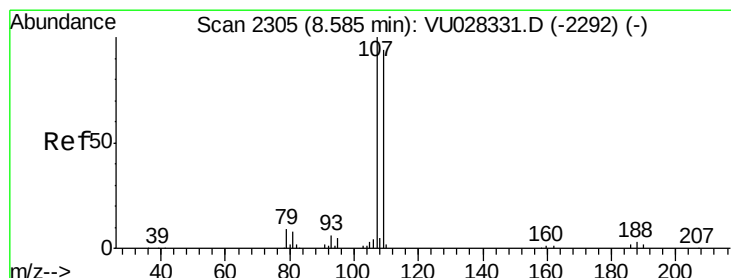
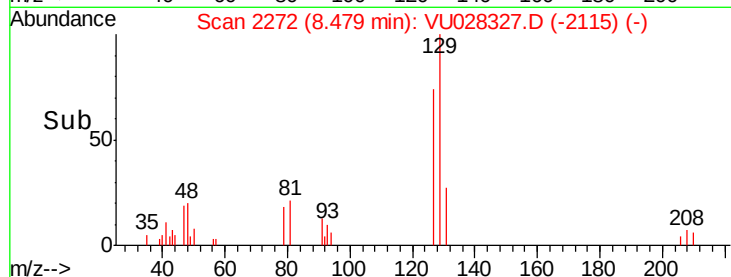
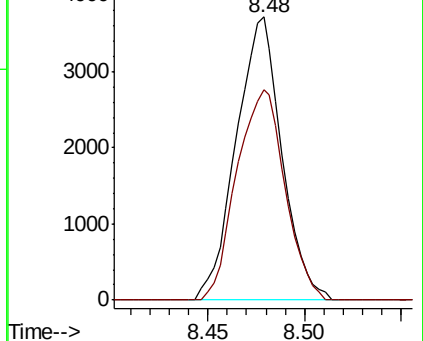
129 100

127 78.3 61.0 91.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 0.523 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU028327.D

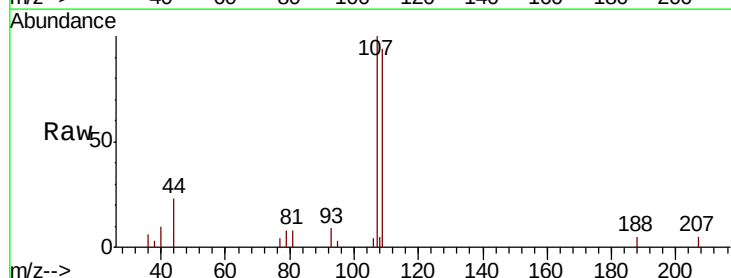
Acq: 26 Nov 2018 09:50

Tgt Ion:107 Resp: 5568

Ion Ratio Lower Upper

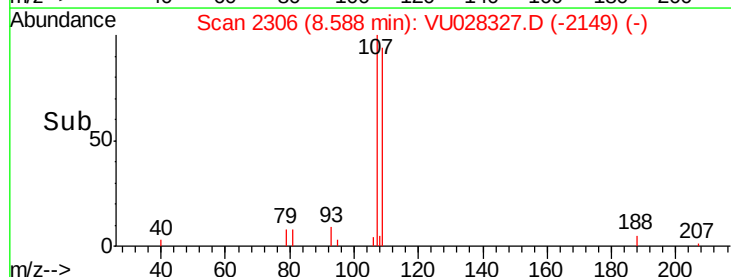
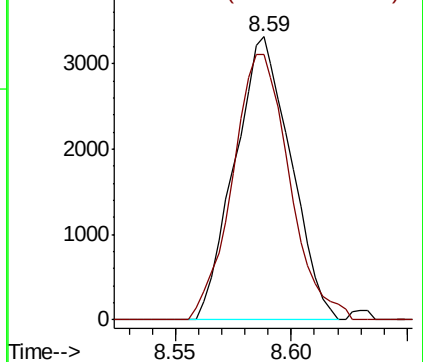
107 100

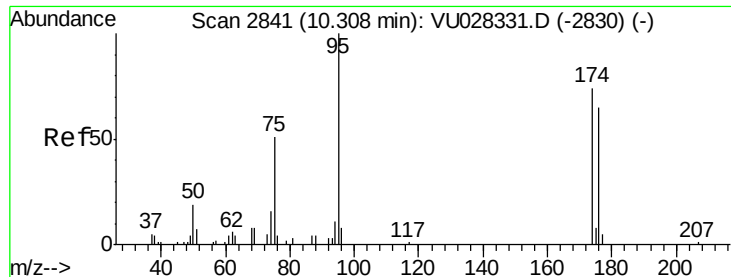
109 95.4 0.0 187.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

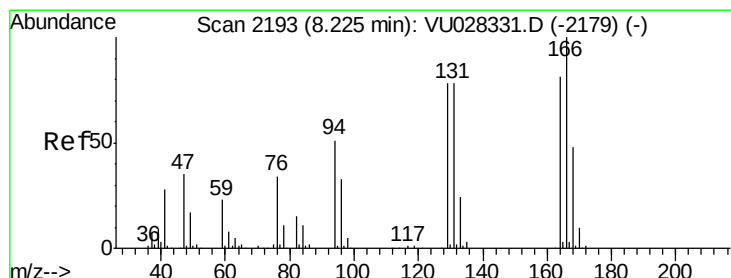
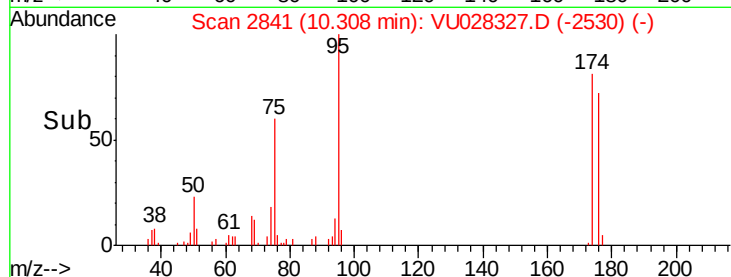
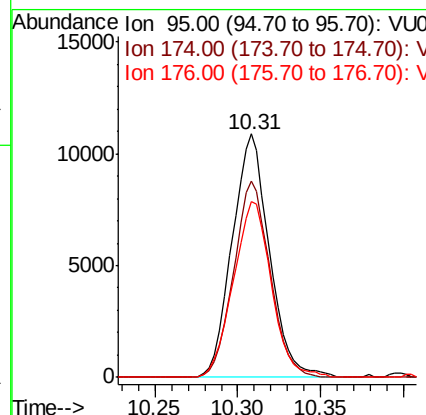
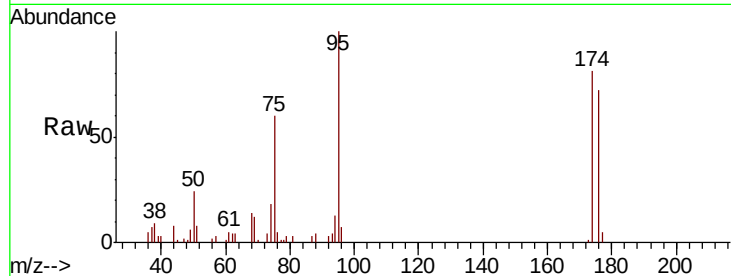




#57
4-Bromofluorobenzene
Concen: 0.523 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

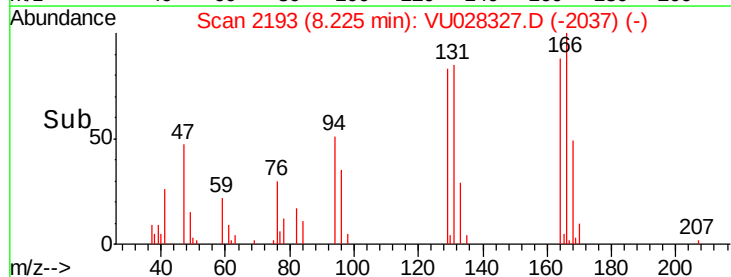
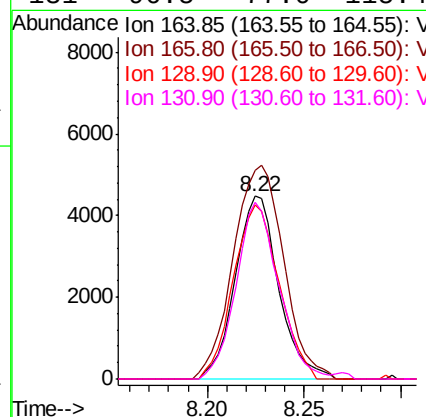
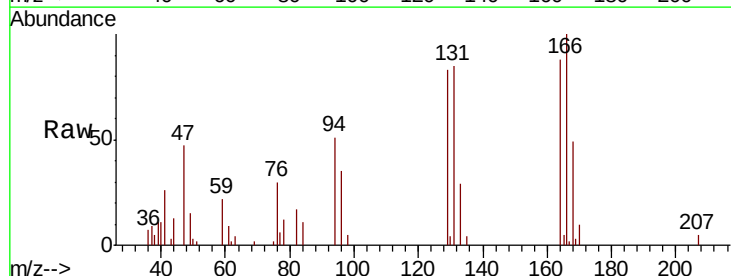
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

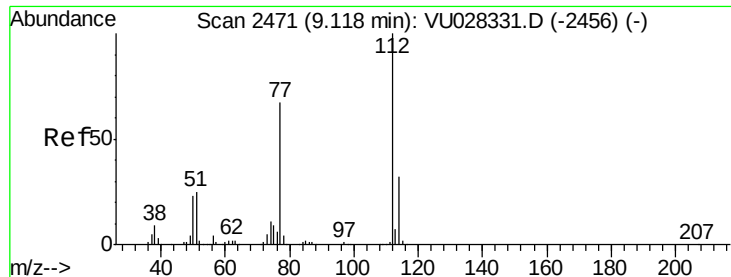
Tgt Ion: 95 Resp: 16915
Ion Ratio Lower Upper
95 100
174 79.0 59.3 88.9
176 74.1 54.3 81.5



#58
Tetrachloroethene
Concen: 0.511 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Tgt Ion: 164 Resp: 6989
Ion Ratio Lower Upper
164 100
166 114.2 98.6 148.0
129 95.1 77.0 115.4
131 96.5 77.0 115.4

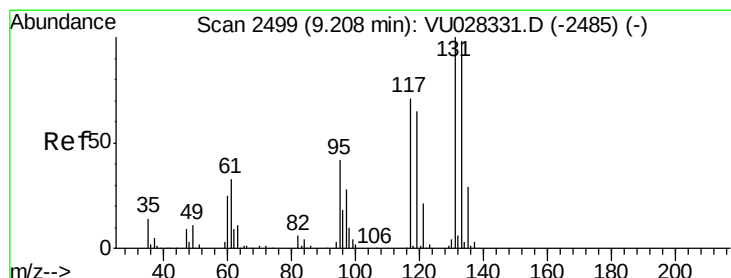
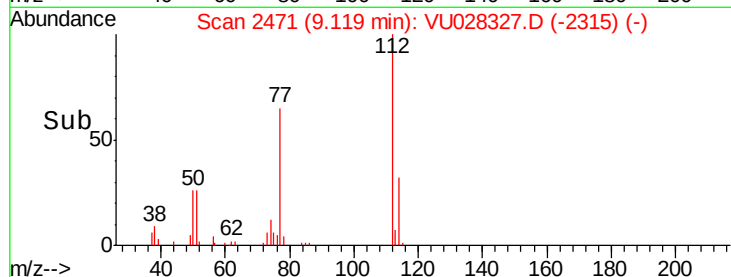
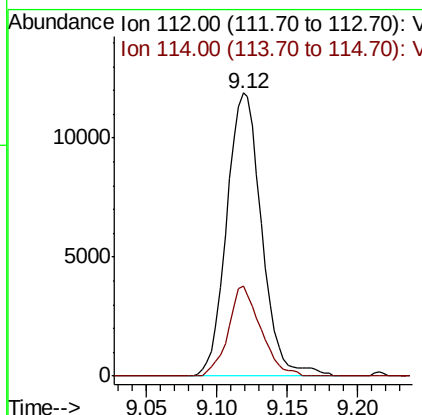
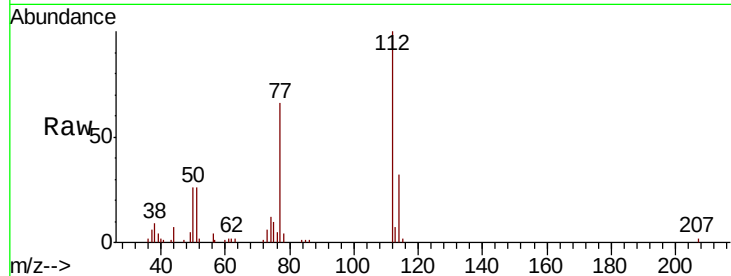




#59
Chlorobenzene
Concen: 0.519 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

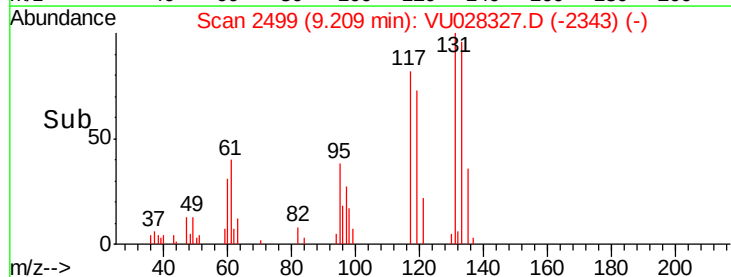
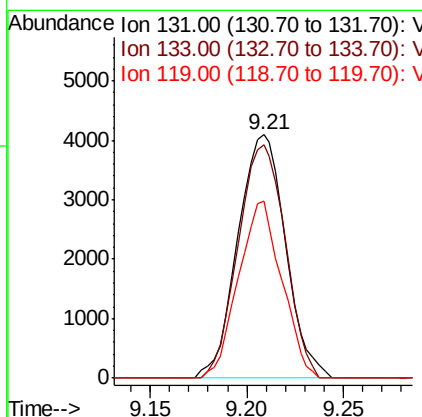
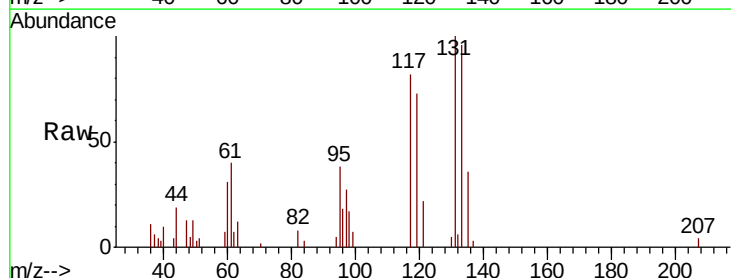
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

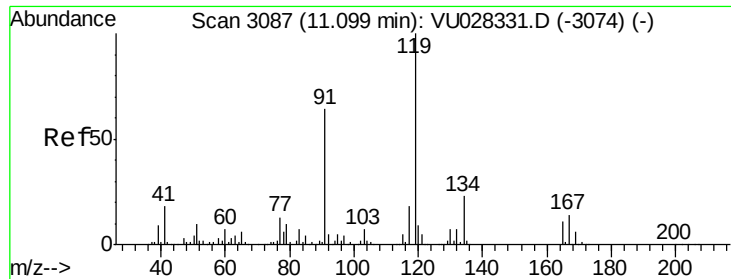
Tgt Ion:112 Resp: 20585
Ion Ratio Lower Upper
112 100
114 31.7 25.2 37.8



#60
1,1,1,2-Tetrachloroethane
Concen: 0.523 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Tgt Ion:131 Resp: 7031
Ion Ratio Lower Upper
131 100
133 94.6 77.7 116.5
119 66.1 54.3 81.5

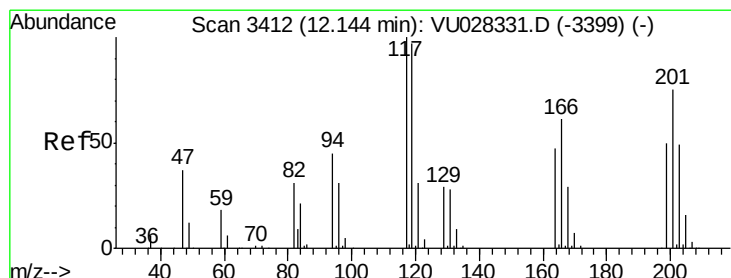
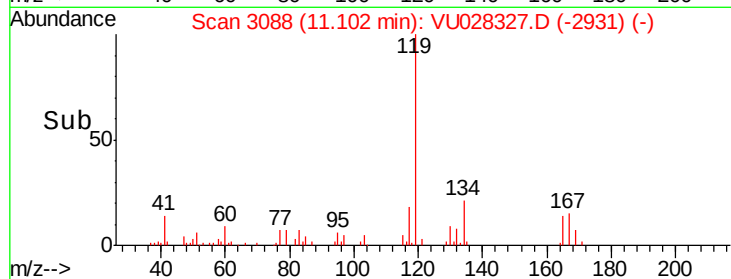
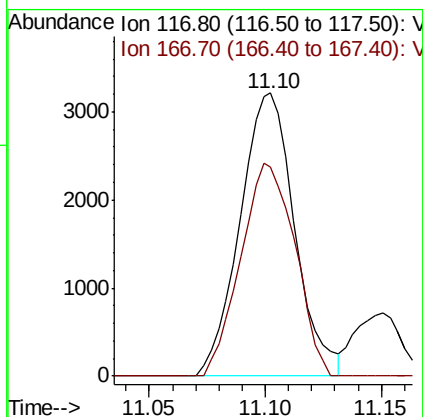
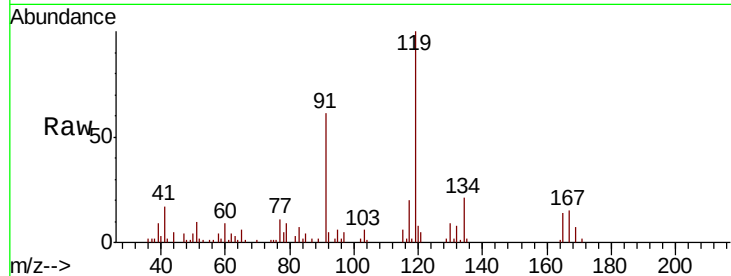




#61
 Pentachloroethane
 Concen: 0.503 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU028327.D
 Acq: 26 Nov 2018 09:50

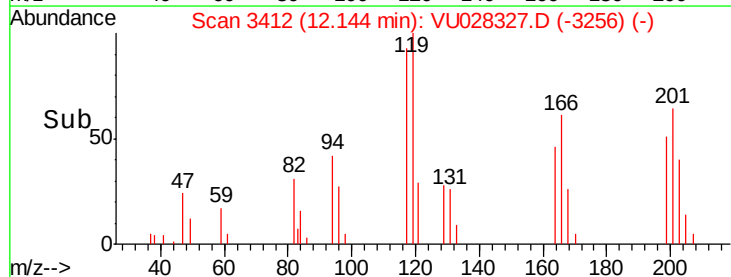
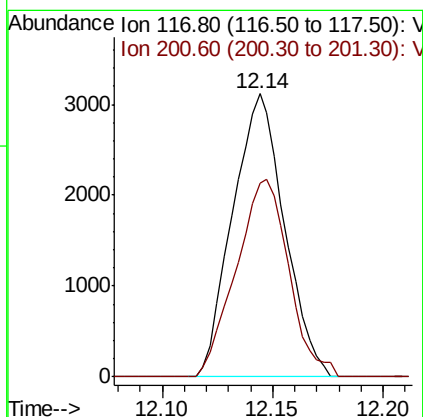
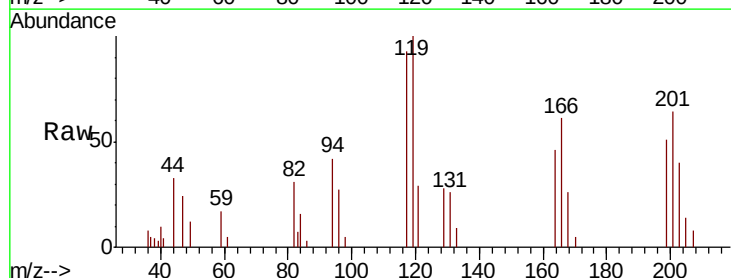
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

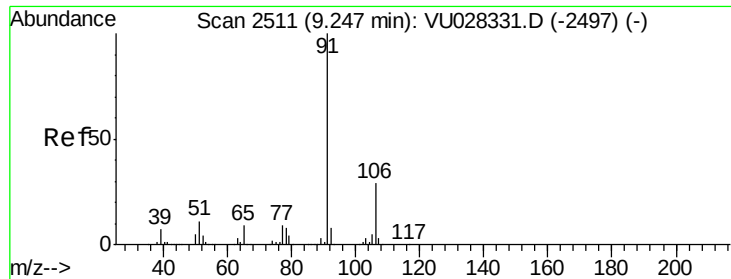
Tgt Ion:117 Resp: 5258
 Ion Ratio Lower Upper
 117 100
 167 74.9 64.2 96.2



#62
 Hexachloroethane
 Concen: 0.517 ug/l
 RT: 12.14 min Scan# 3412
 Delta R.T. 0.00 min
 Lab File: VU028327.D
 Acq: 26 Nov 2018 09:50

Tgt Ion:117 Resp: 5063
 Ion Ratio Lower Upper
 117 100
 201 71.2 59.4 89.2

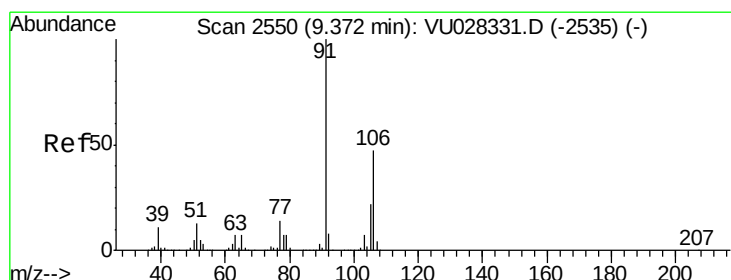
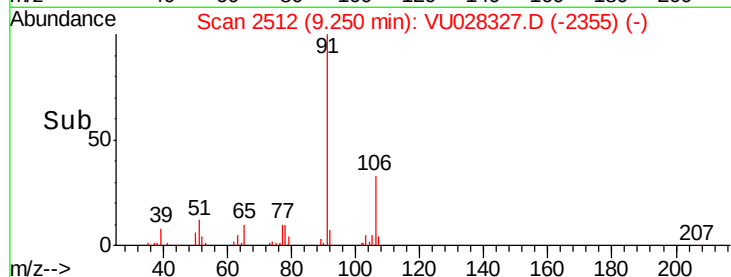
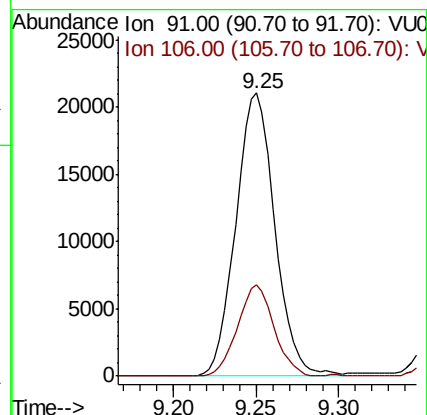
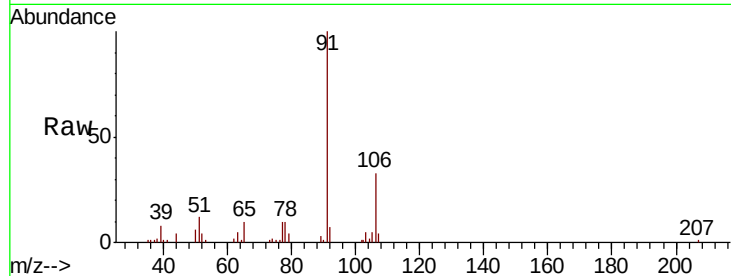




#63
Ethyl Benzene
Concen: 0.471 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

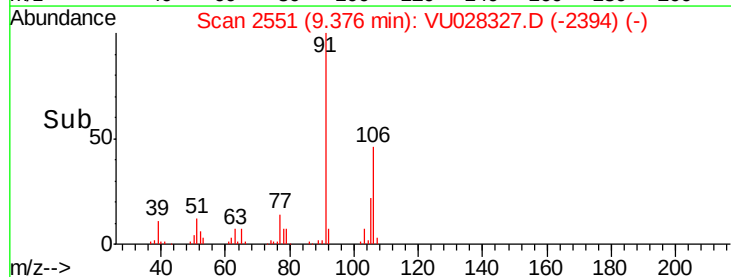
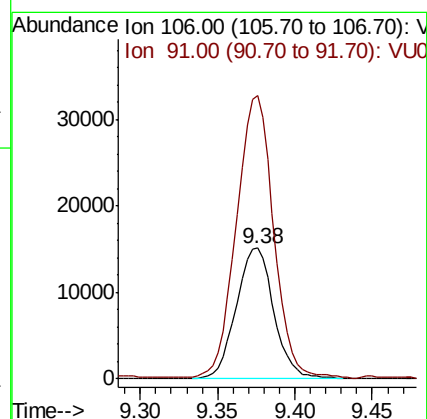
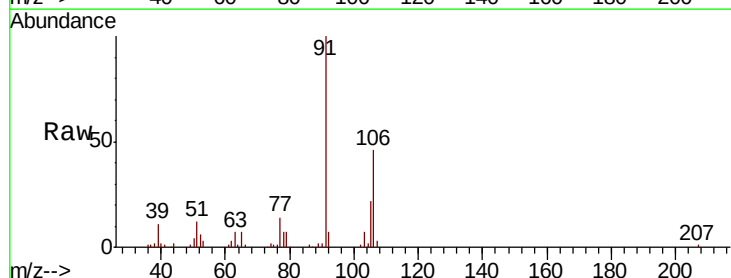
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

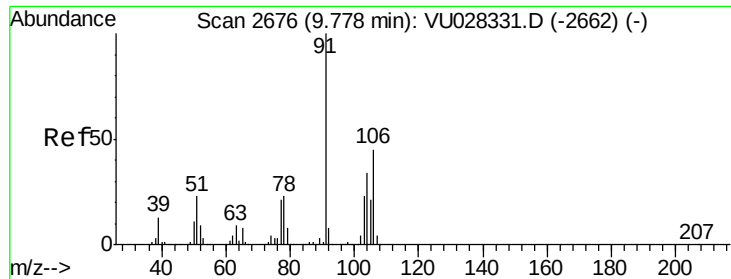
Tgt Ion: 91 Resp: 34451
Ion Ratio Lower Upper
91 100
106 32.5 23.4 35.2



#64
m/p-Xylenes
Concen: 0.962 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Tgt Ion: 106 Resp: 25487
Ion Ratio Lower Upper
106 100
91 215.8 170.6 256.0

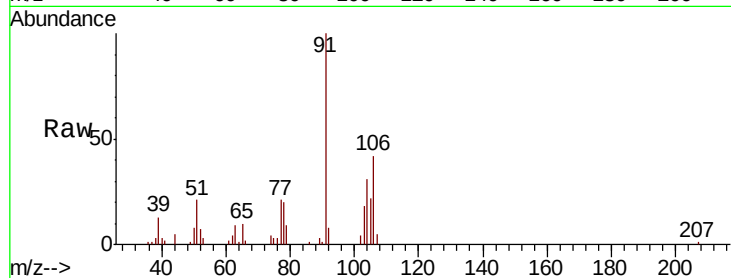




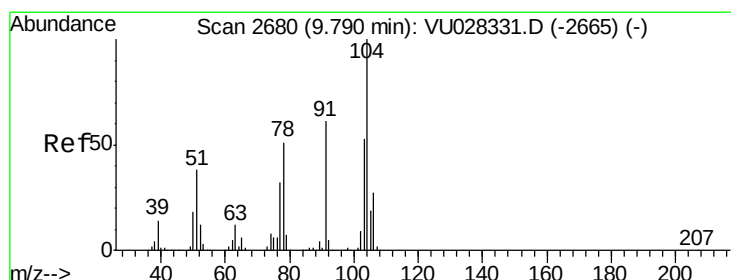
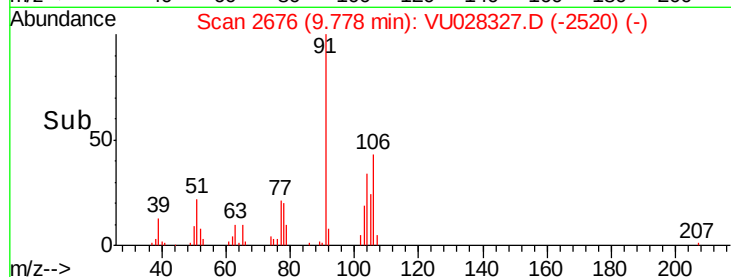
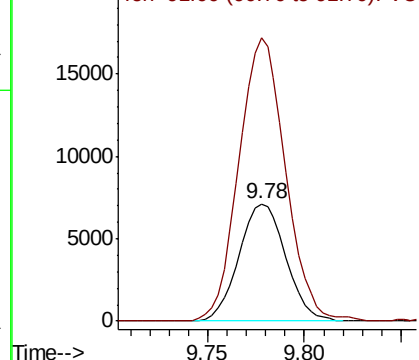
#65
o-Xylene
Concen: 0.468 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion:106 Resp: 11963
Ion Ratio Lower Upper
106 100
91 239.8 112.3 337.0

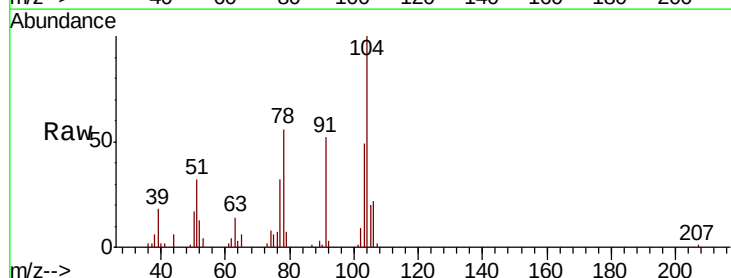


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

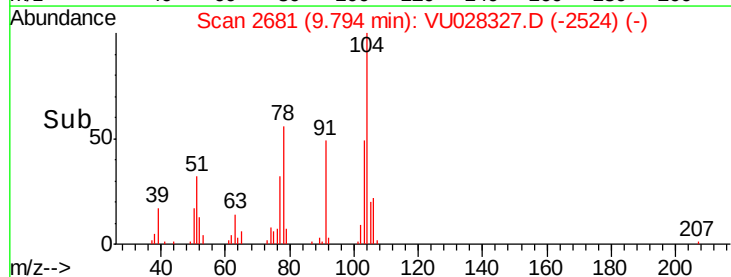
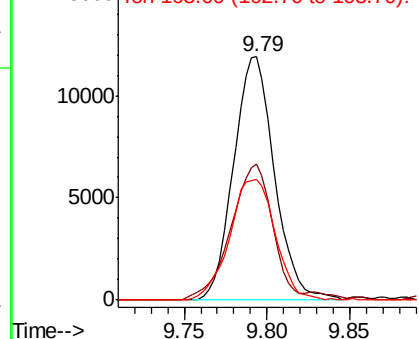


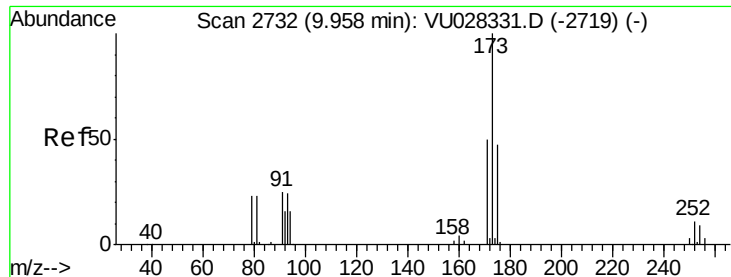
#66
Styrene
Concen: 0.466 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Tgt Ion:104 Resp: 20437
Ion Ratio Lower Upper
104 100
78 56.6 44.0 66.0
103 55.4 45.2 67.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 0.514 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

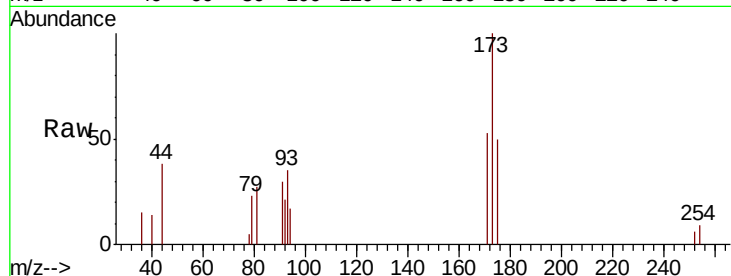
Tgt Ion:173 Resp: 3581

Ion Ratio Lower Upper

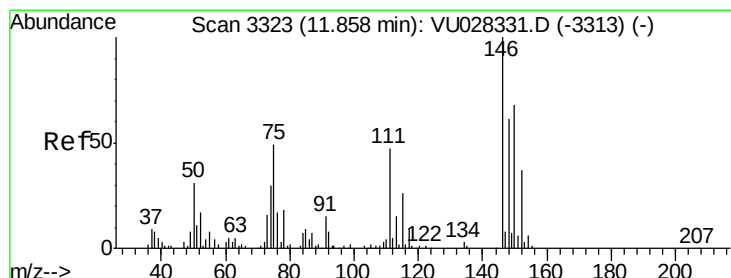
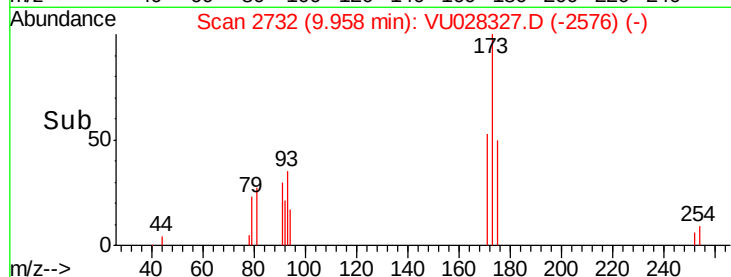
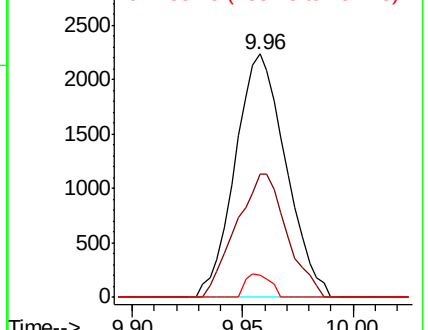
173 100

175 50.5 39.0 58.6

254 4.7 6.8 10.2#



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 0.514 ug/l

RT: 11.86 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

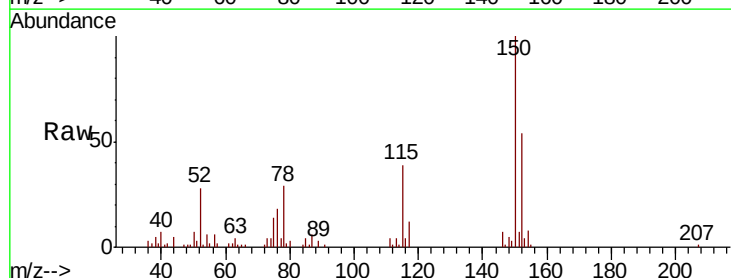
Tgt Ion:152 Resp: 16502

Ion Ratio Lower Upper

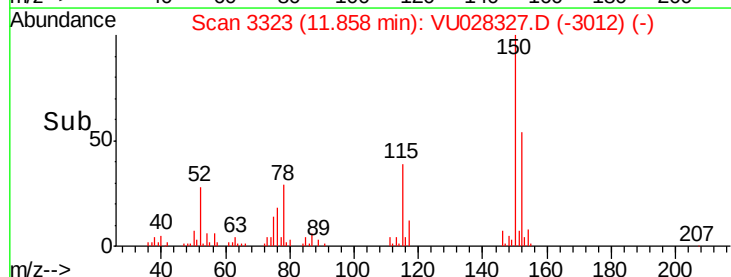
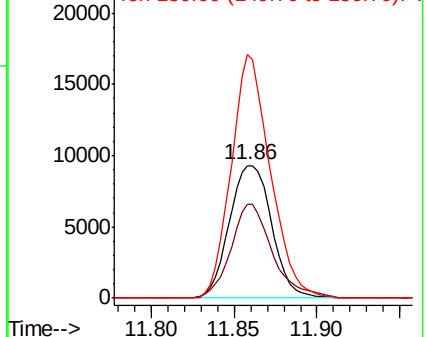
152 100

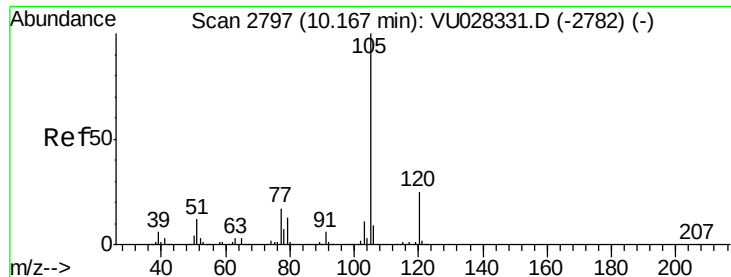
115 69.6 0.0 146.8

150 170.0 0.0 653.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 0.479 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

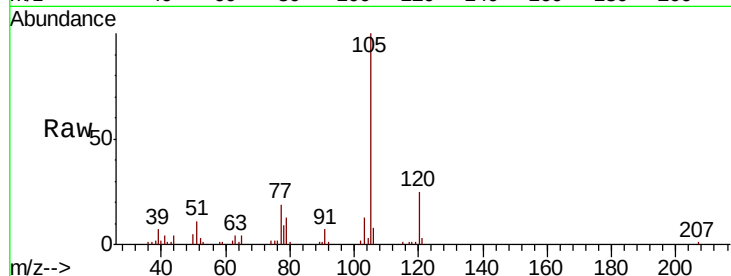
VSTDIC0.5

Tgt Ion:105 Resp: 32769

Ion Ratio Lower Upper

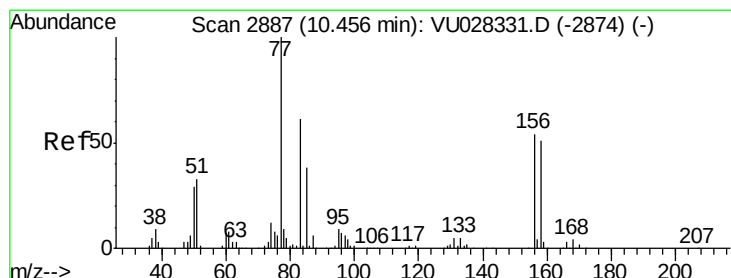
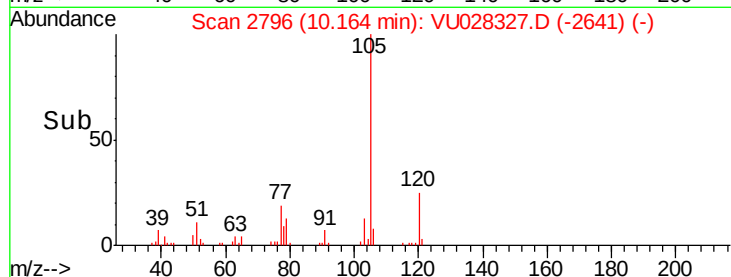
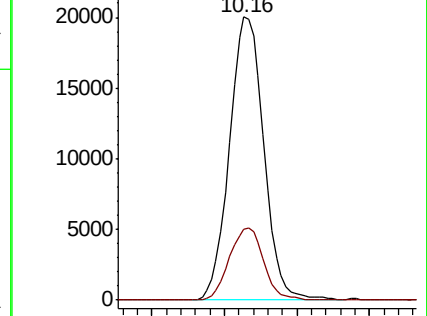
105 100

120 25.4 12.6 37.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#70

1,1,2,2-Tetrachloroethane

Concen: 0.516 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

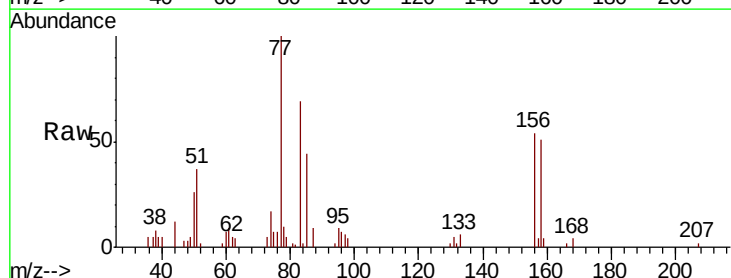
Tgt Ion: 83 Resp: 8102

Ion Ratio Lower Upper

83 100

131 6.9 6.6 9.8

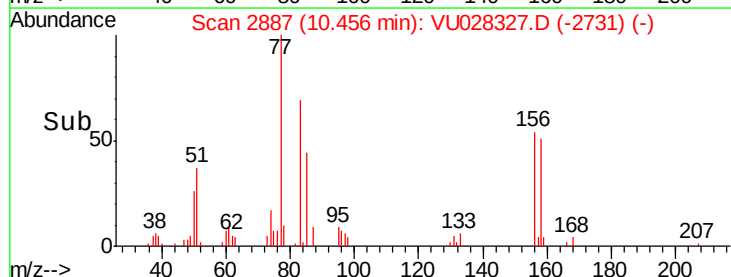
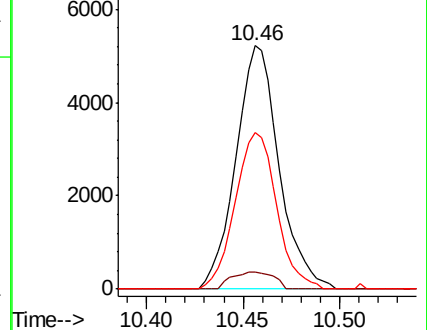
85 61.7 50.5 75.7

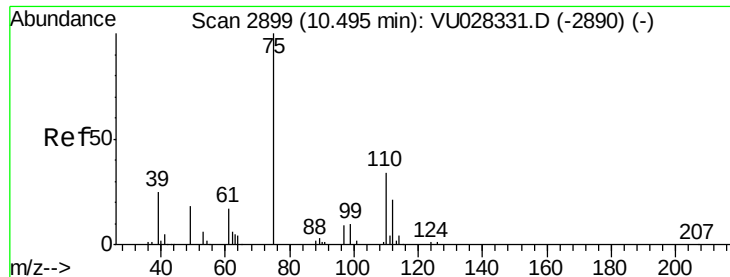


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

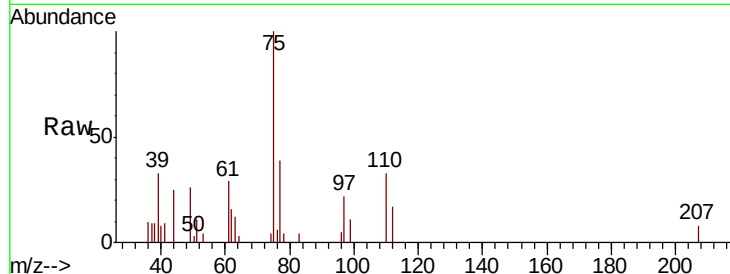




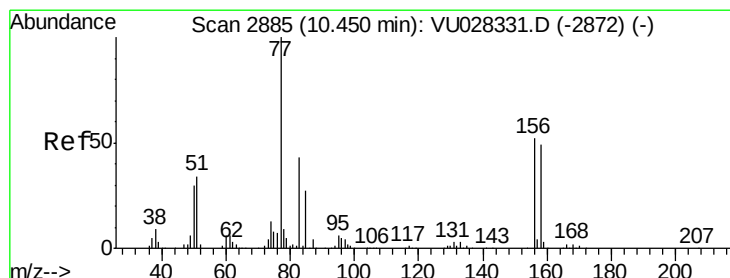
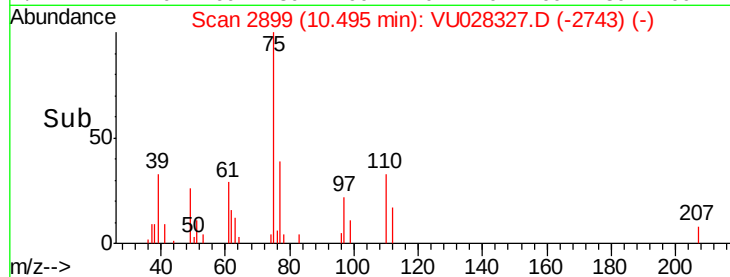
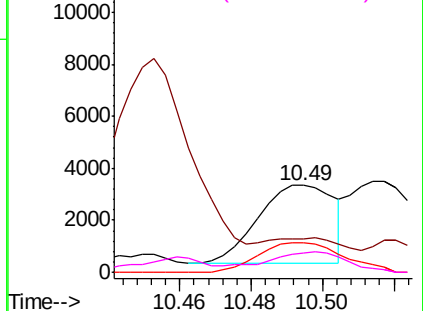
#71
 1,2,3-Trichloropropane
 Concen: 0.414 ug/l
 RT: 10.49 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: VU028327.D
 Acq: 26 Nov 2018 09:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:	75	Resp:	4473
Ion	Ratio	Lower	Upper
75	100		
77	26.3	0.0	0.0#
110	41.5	0.0	67.6
97	26.0	0.0	35.8

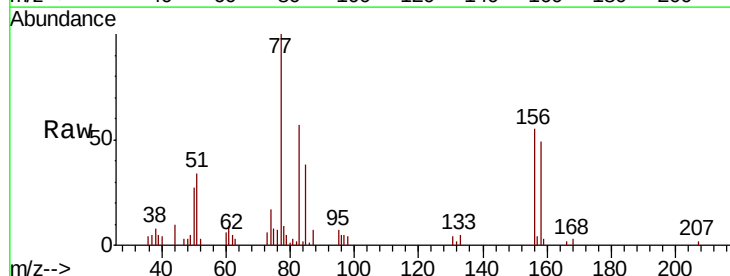


Abundance Ion 75.00 (74.70 to 75.70): VU028331.D (-2890) (-)
 Ion 77.00 (76.70 to 77.70): VU028331.D (-2890) (-)
 Ion 110.00 (109.70 to 110.70): VU028331.D (-2890) (-)
 Ion 97.00 (96.70 to 97.70): VU028331.D (-2890) (-)

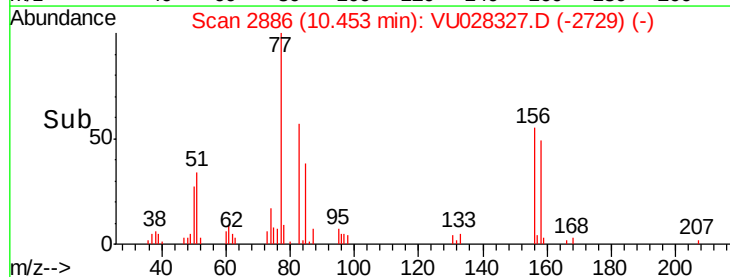
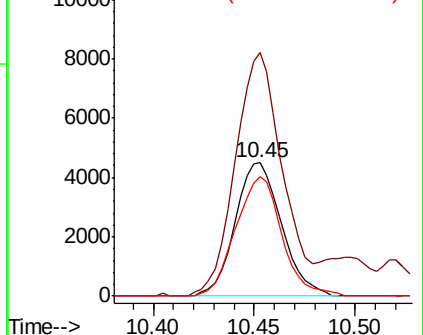


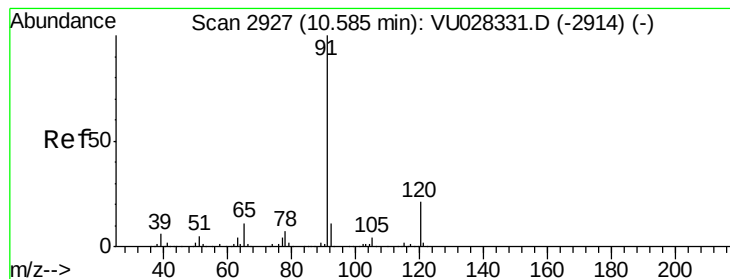
#72
 Bromobenzene
 Concen: 0.477 ug/l
 RT: 10.45 min Scan# 2886
 Delta R.T. 0.00 min
 Lab File: VU028327.D
 Acq: 26 Nov 2018 09:50

Tgt Ion:	156	Resp:	7247
Ion	Ratio	Lower	Upper
156	100		
77	188.1	0.0	380.4
158	89.3	0.0	191.2



Abundance Ion 156.00 (155.70 to 156.70): VU028331.D (-2872) (-)
 Ion 77.00 (76.70 to 77.70): VU028331.D (-2872) (-)
 Ion 158.00 (157.70 to 158.70): VU028331.D (-2872) (-)





#73

n-propylbenzene

Concen: 0.456 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

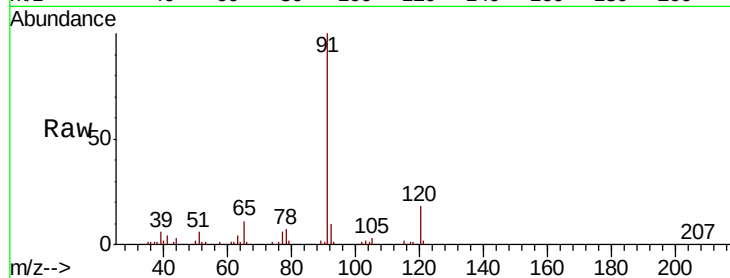
VSTDIC0.5

Tgt Ion:120 Resp: 8095

Ion Ratio Lower Upper

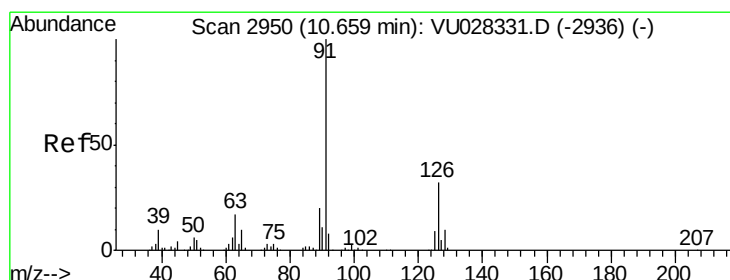
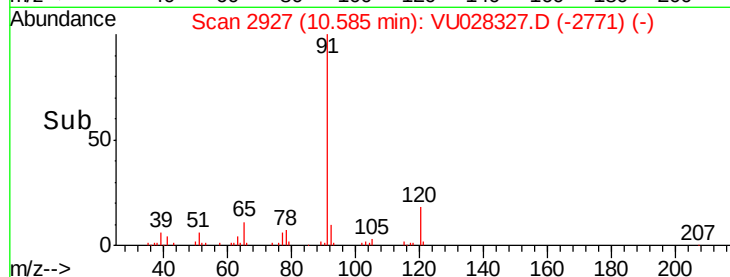
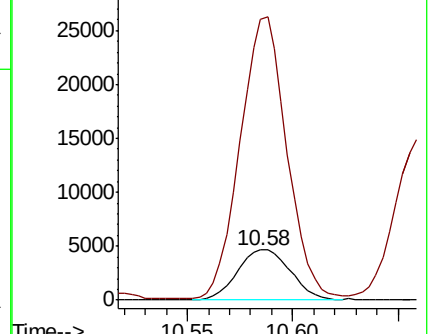
120 100

91 499.3 388.1 582.1



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 0.495 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU028327.D

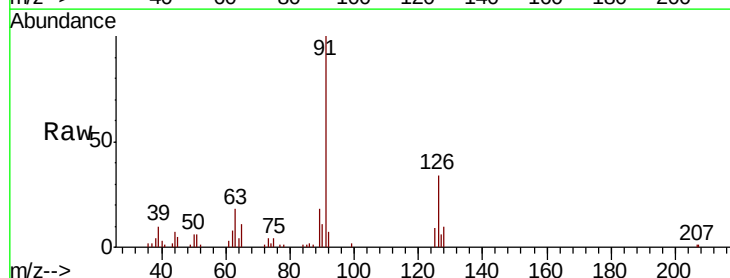
Acq: 26 Nov 2018 09:50

Tgt Ion:126 Resp: 7690

Ion Ratio Lower Upper

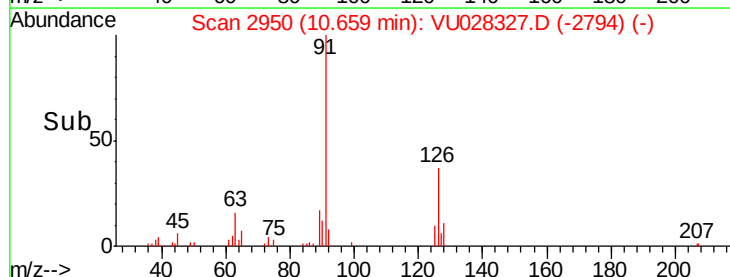
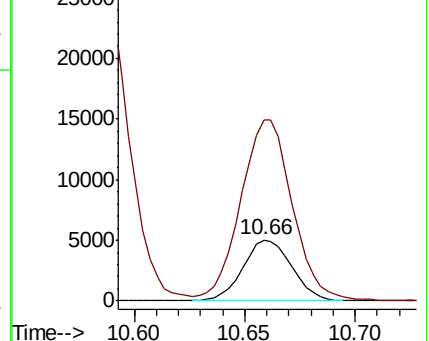
126 100

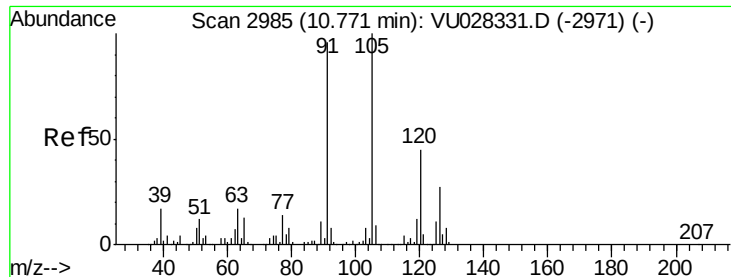
91 316.9 0.0 661.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 0.474 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

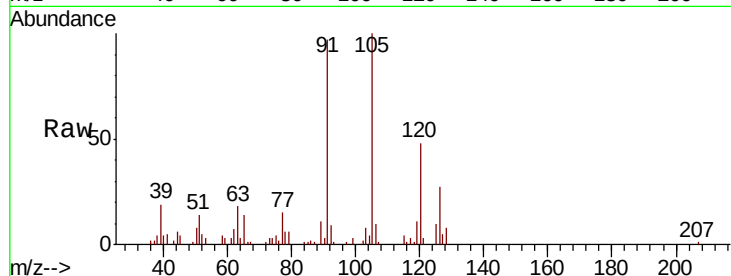
VSTDIC0.5

Tgt Ion:105 Resp: 27287

Ion Ratio Lower Upper

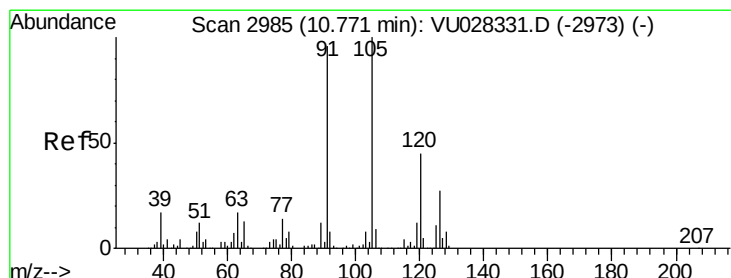
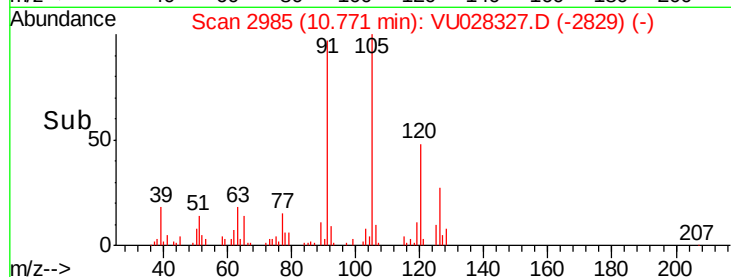
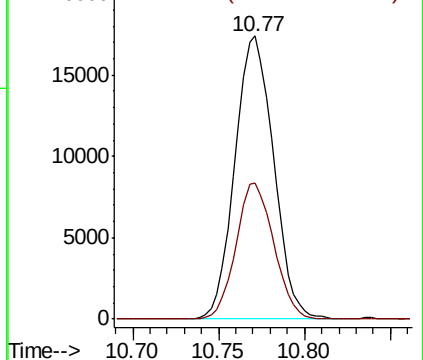
105 100

120 46.8 36.3 54.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 0.477 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028327.D

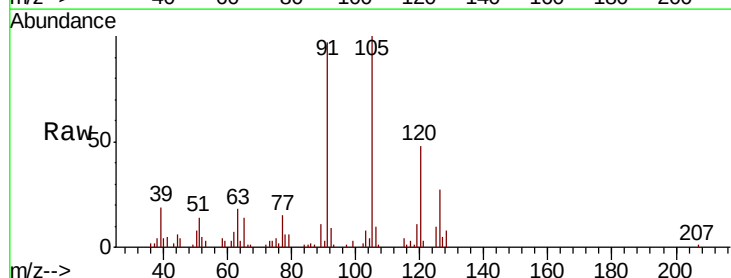
Acq: 26 Nov 2018 09:50

Tgt Ion:126 Resp: 7513

Ion Ratio Lower Upper

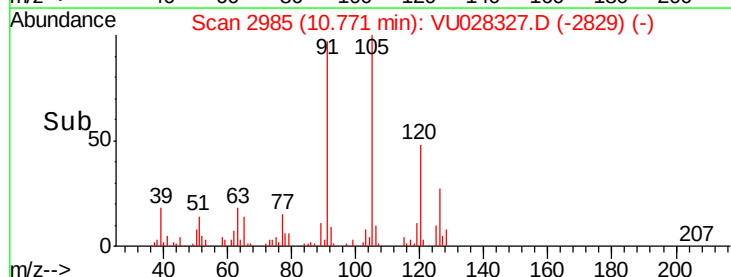
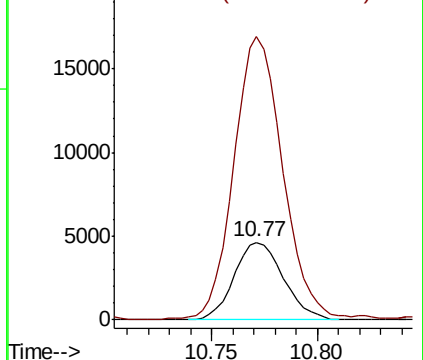
126 100

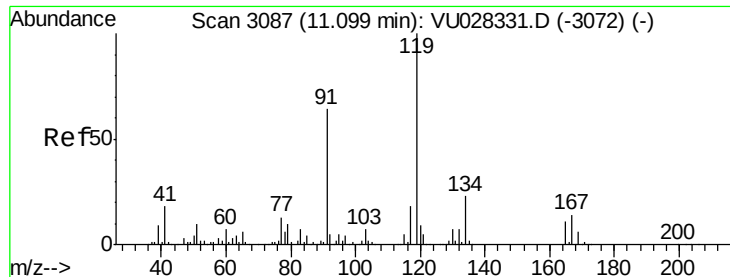
91 363.8 0.0 731.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77

tert-Butylbenzene

Concen: 0.487 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

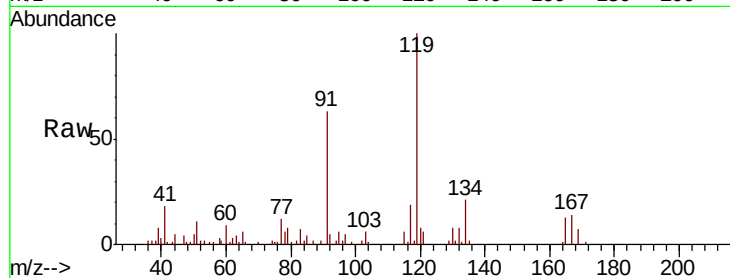
Tgt Ion:119 Resp: 26425

Ion Ratio Lower Upper

119 100

91 62.6 32.0 96.0

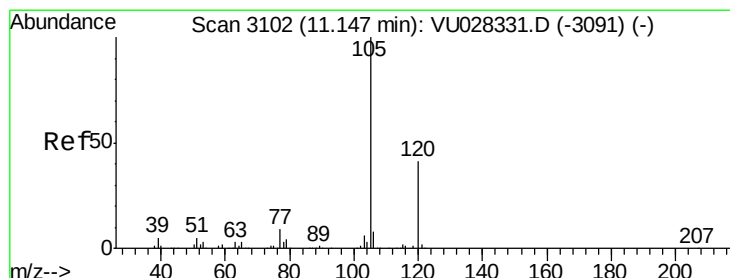
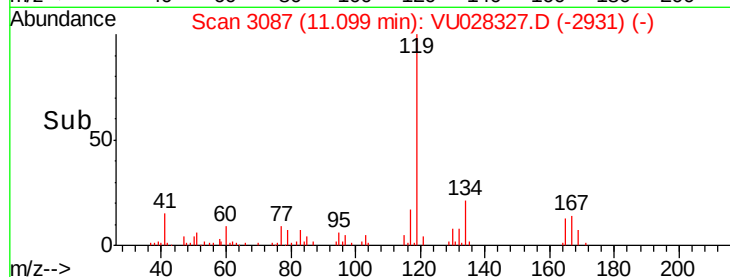
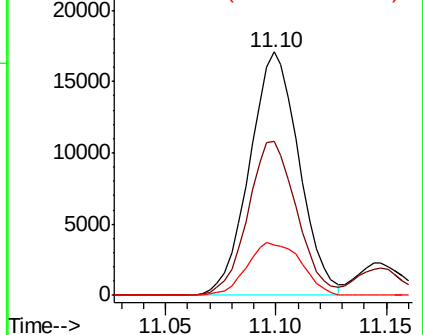
134 23.7 17.9 26.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V



#78

1,2,4-Trimethylbenzene

Concen: 0.471 ug/l

RT: 11.15 min Scan# 3102

Delta R.T. 0.00 min

Lab File: VU028327.D

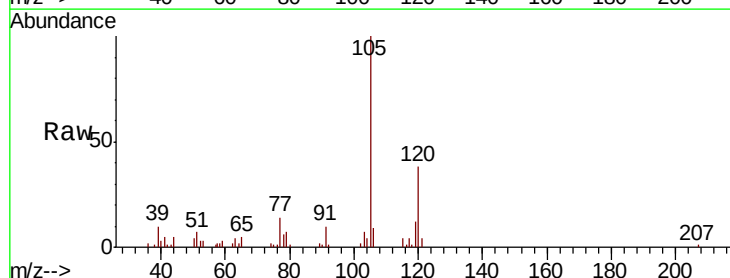
Acq: 26 Nov 2018 09:50

Tgt Ion:105 Resp: 27792

Ion Ratio Lower Upper

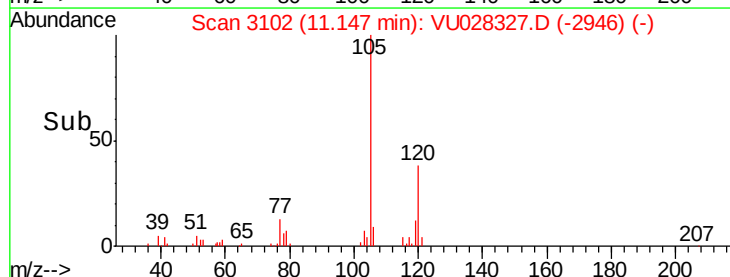
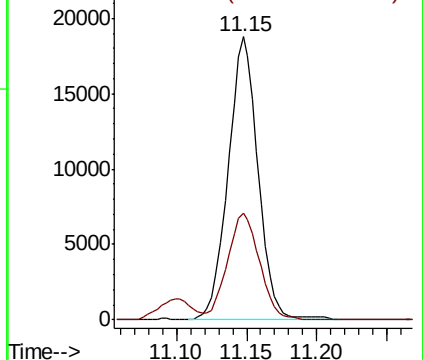
105 100

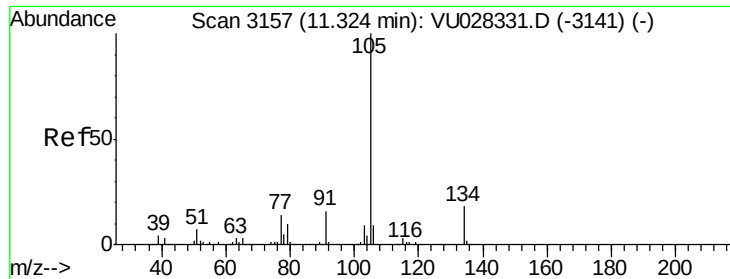
120 40.6 21.9 65.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 0.461 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

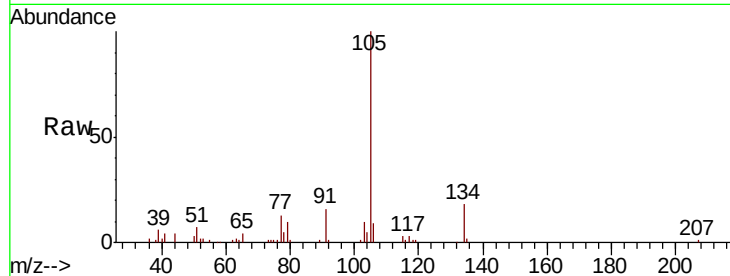
VSTDIC0.5

Tgt Ion:105 Resp: 34820

Ion Ratio Lower Upper

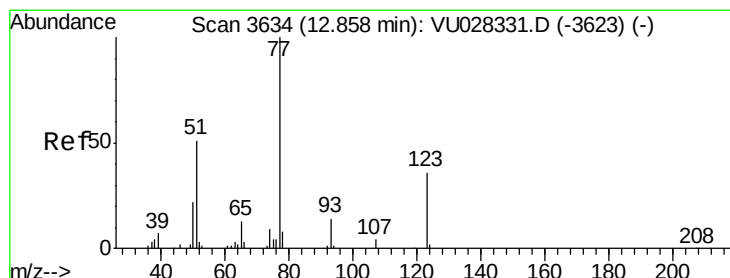
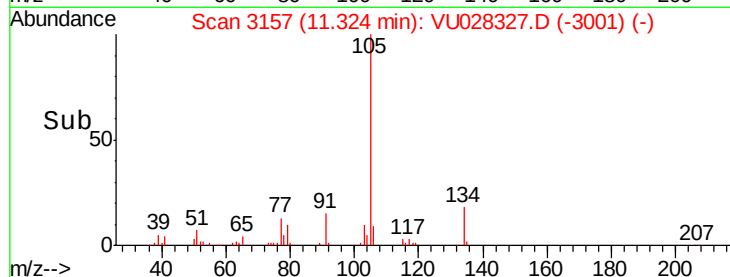
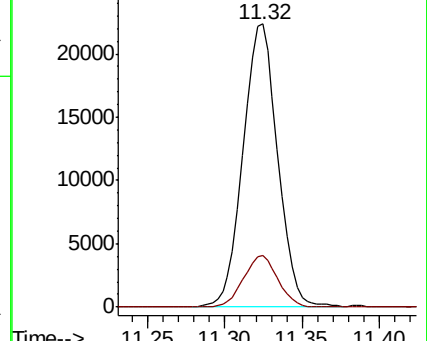
105 100

134 18.0 14.6 22.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 2.470 ug/l

RT: 12.87 min Scan# 3637

Delta R.T. 0.01 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

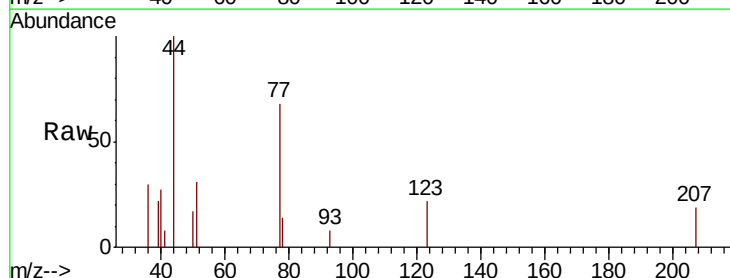
Tgt Ion: 77 Resp: 1746

Ion Ratio Lower Upper

77 100

123 32.7 16.5 58.3

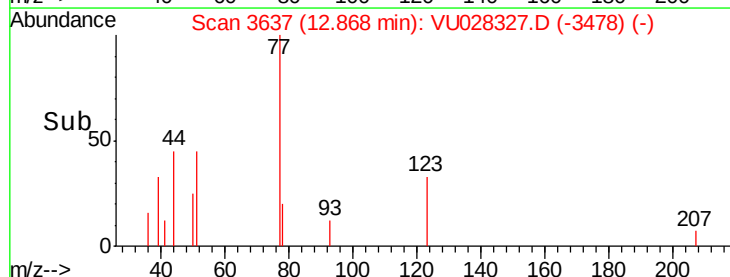
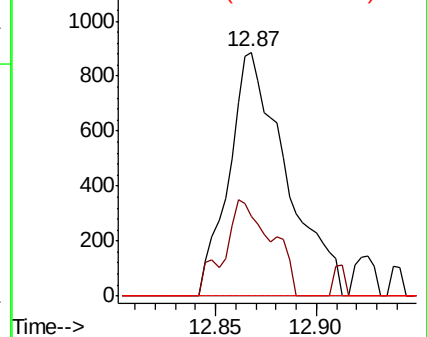
65 0.0 12.1 15.3#

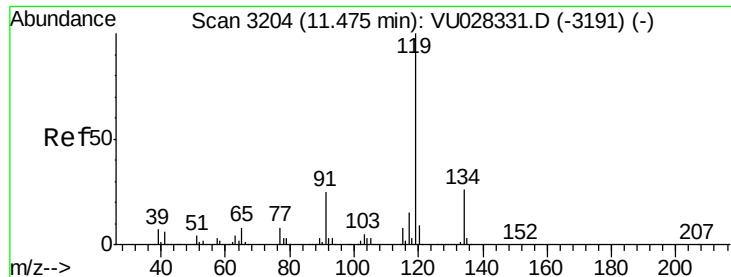


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

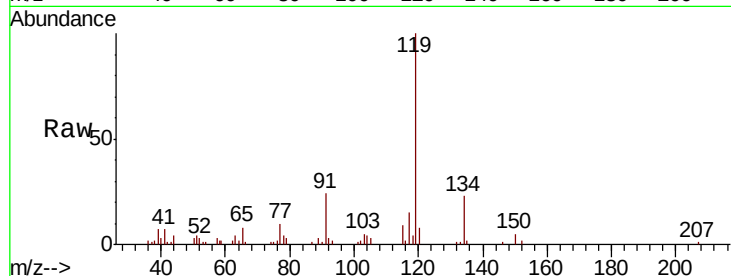




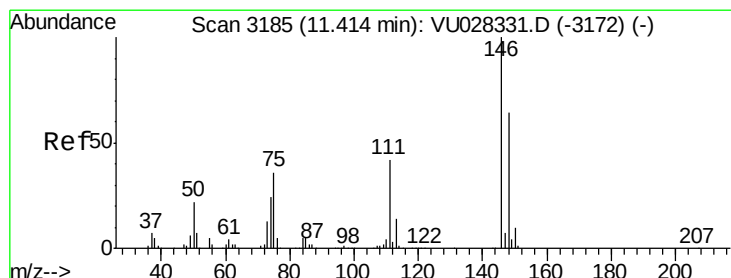
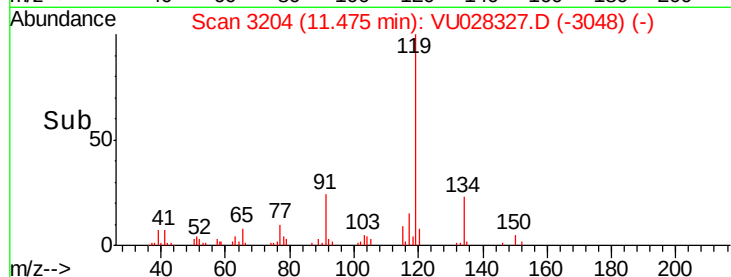
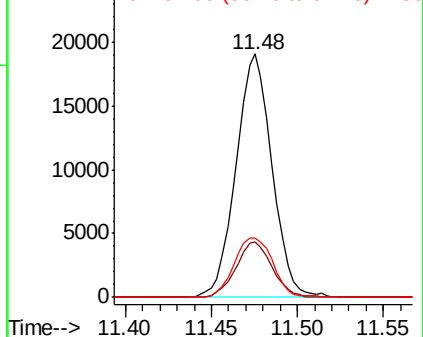
#81
p-Isopropyltoluene
Concen: 0.462 ug/l
RT: 11.48 min Scan# 3204
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tgt Ion:119 Resp: 27771
Ion Ratio Lower Upper
119 100
134 22.8 20.3 30.5
91 26.3 20.0 30.0

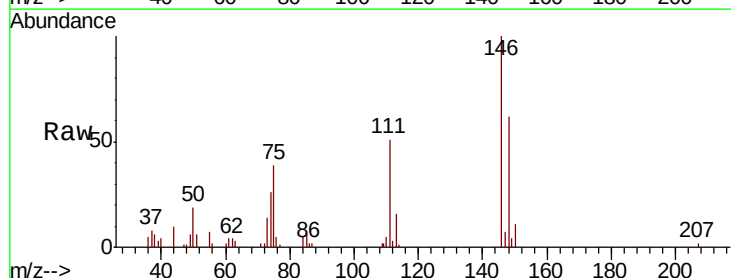


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

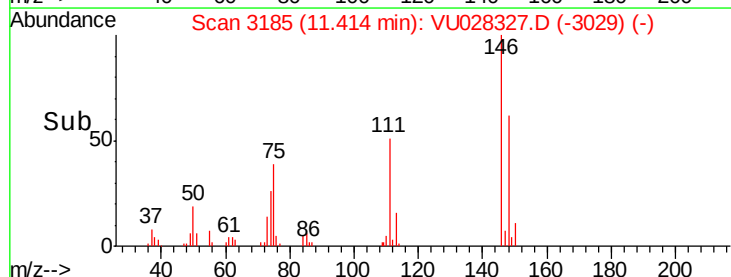
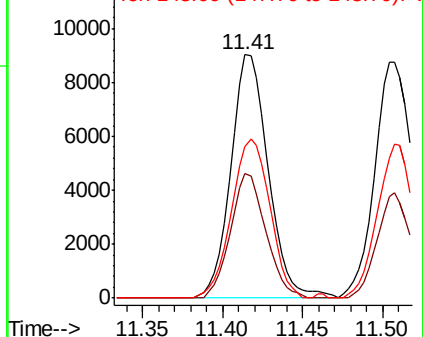


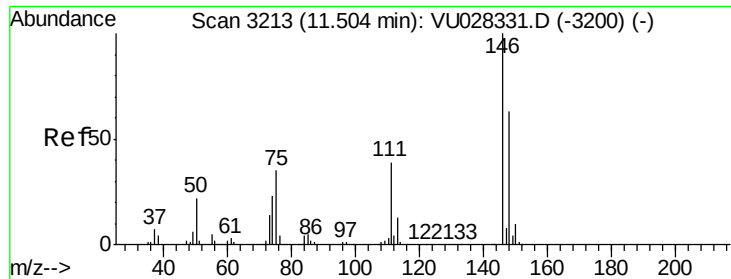
#82
1,3-Dichlorobenzene
Concen: 0.472 ug/l
RT: 11.41 min Scan# 3185
Delta R.T. 0.00 min
Lab File: VU028327.D
Acq: 26 Nov 2018 09:50

Tgt Ion:146 Resp: 14370
Ion Ratio Lower Upper
146 100
111 48.1 33.4 50.2
148 67.0 51.2 76.8



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

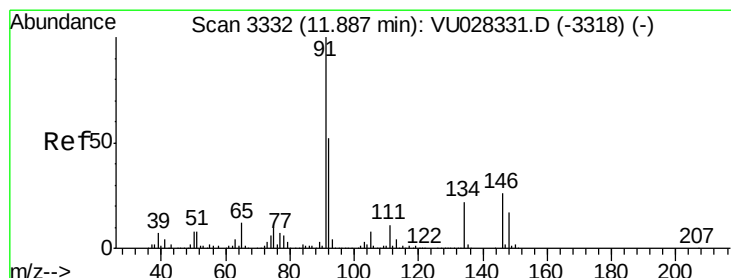
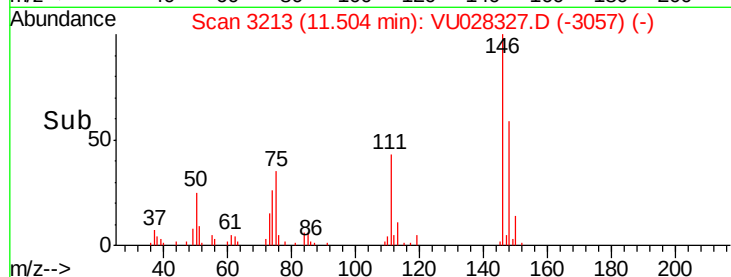
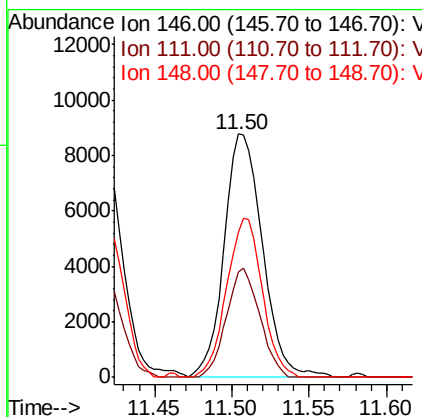
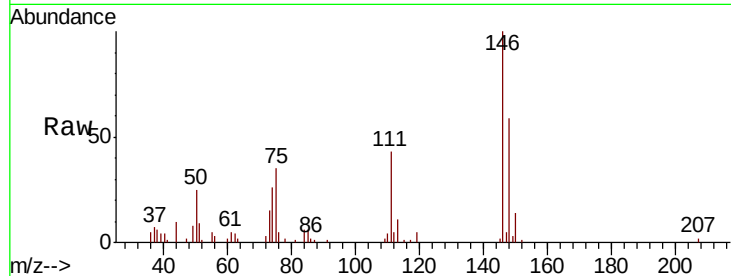




#83
 1,4-Dichlorobenzene
 Concen: 0.499 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VU028327.D
 Acq: 26 Nov 2018 09:50

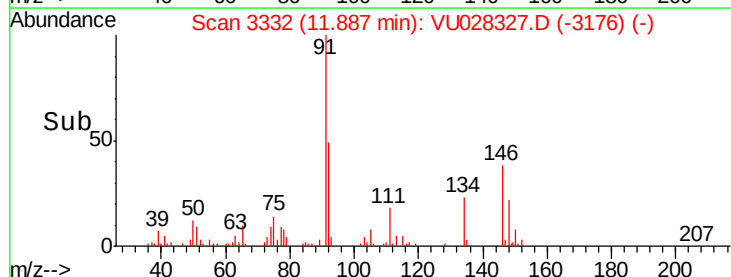
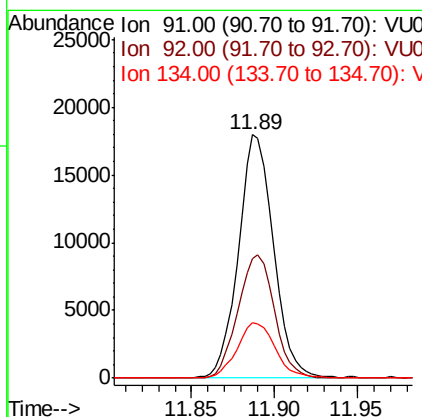
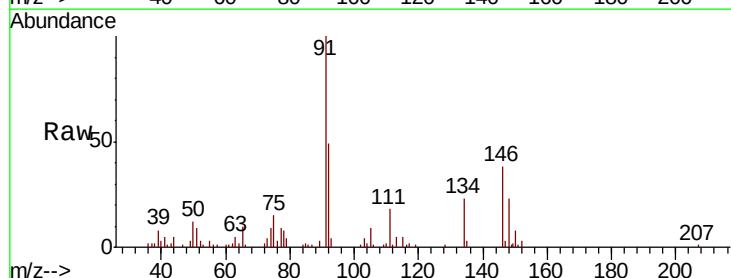
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

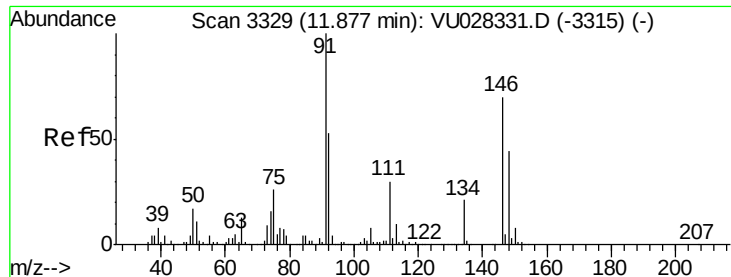
Tgt Ion: 146 Resp: 15120
 Ion Ratio Lower Upper
 146 100
 111 38.7 31.4 47.2
 148 60.3 50.7 76.1



#84
 n-Butylbenzene
 Concen: 0.419 ug/l
 RT: 11.89 min Scan# 3332
 Delta R.T. 0.00 min
 Lab File: VU028327.D
 Acq: 26 Nov 2018 09:50

Tgt Ion: 91 Resp: 26450
 Ion Ratio Lower Upper
 91 100
 92 52.2 41.6 62.4
 134 24.8 17.8 26.6





#85

1,2-Dichlorobenzene

Concen: 0.502 ug/l

RT: 11.88 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

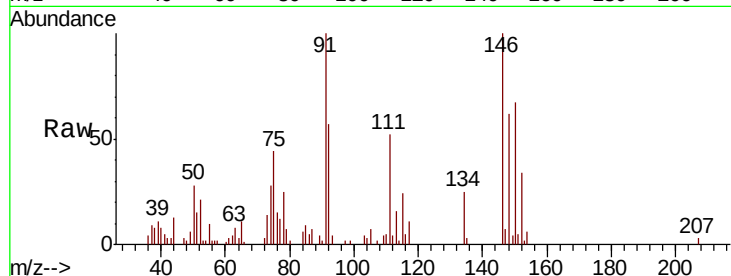
Tgt Ion:146 Resp: 14529

Ion Ratio Lower Upper

146 100

111 46.3 21.4 64.3

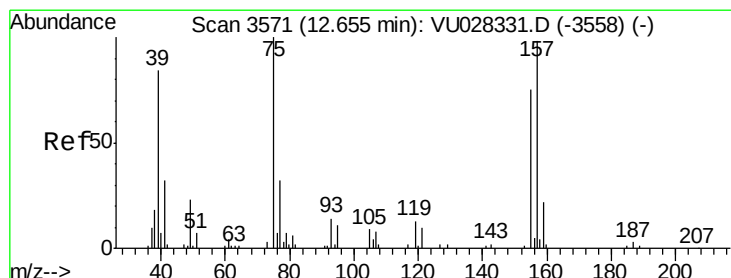
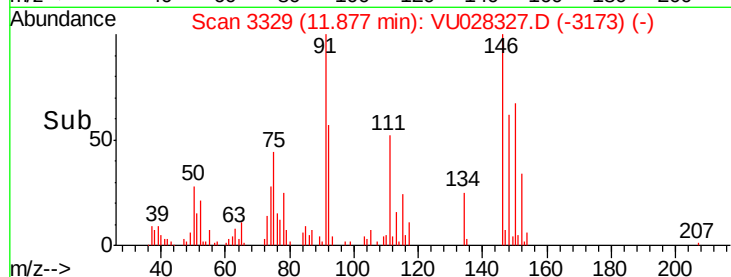
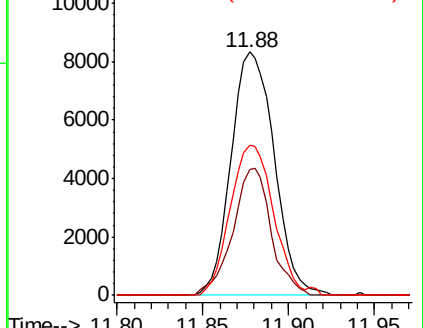
148 62.1 31.4 94.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#86

1,2-Dibromo-3-Chloropropane

Concen: 0.448 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. 0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

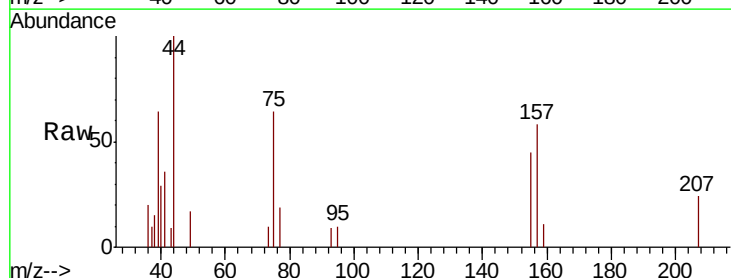
Tgt Ion: 75 Resp: 1131

Ion Ratio Lower Upper

75 100

155 66.0 57.0 85.4

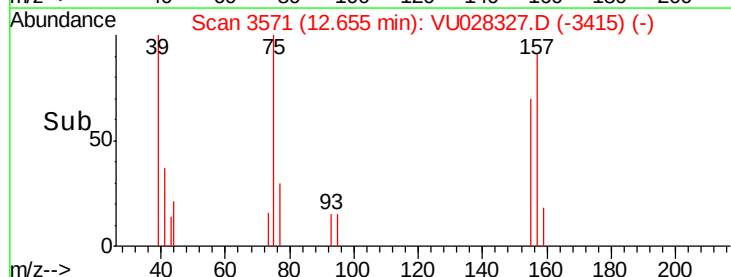
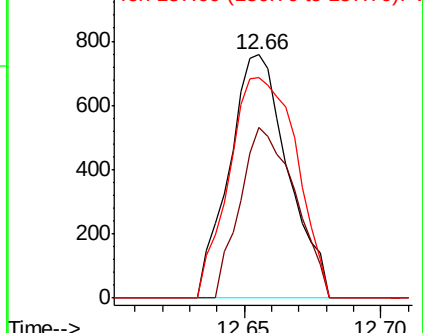
157 104.3 75.4 113.2

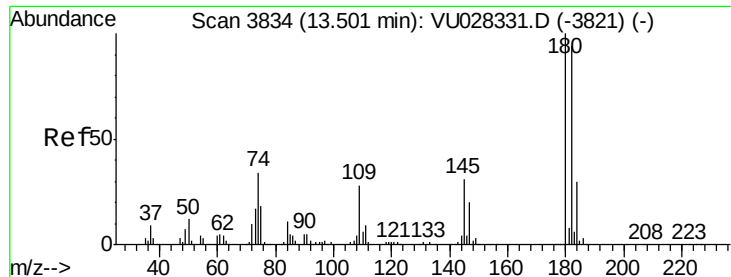


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

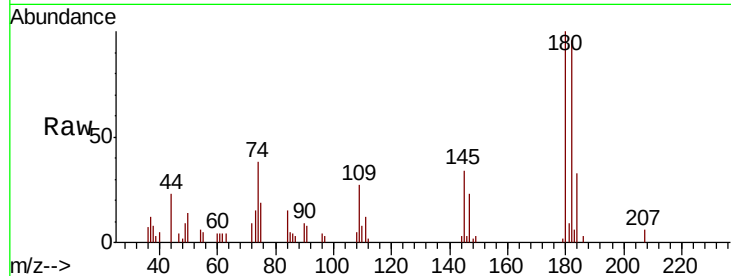




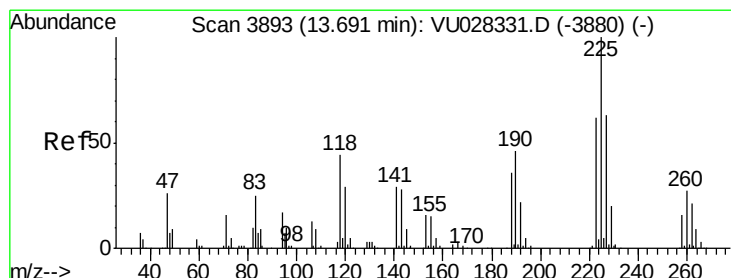
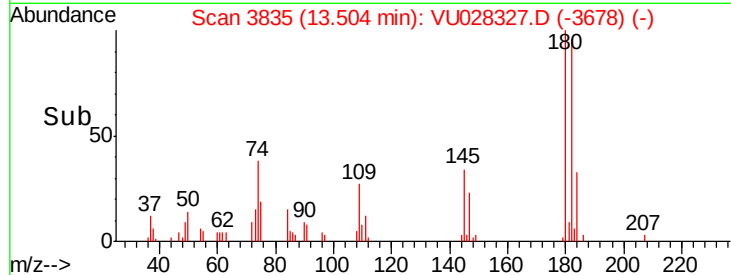
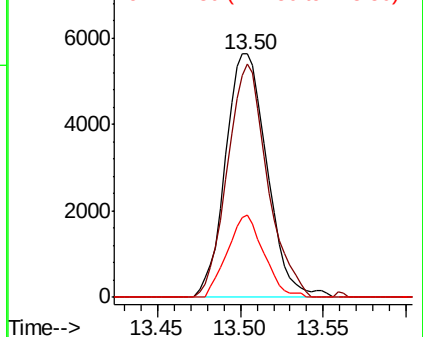
#87
 1,2,4-Trichlorobenzene
 Concen: 0.481 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU028327.D
 Acq: 26 Nov 2018 09:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:180 Resp: 9784
 Ion Ratio Lower Upper
 180 100
 182 92.2 75.6 113.4
 145 30.0 24.4 36.6

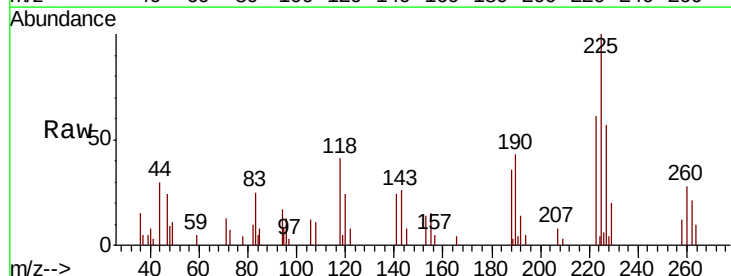


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

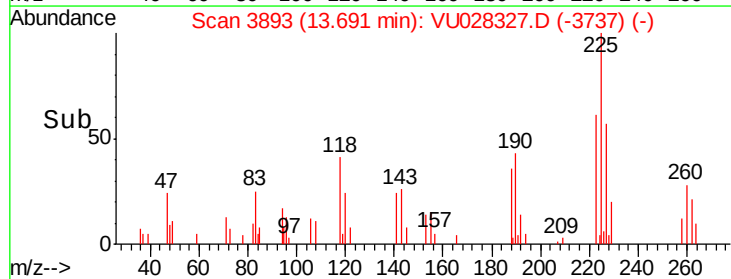
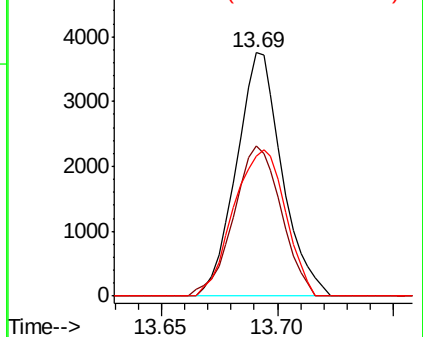


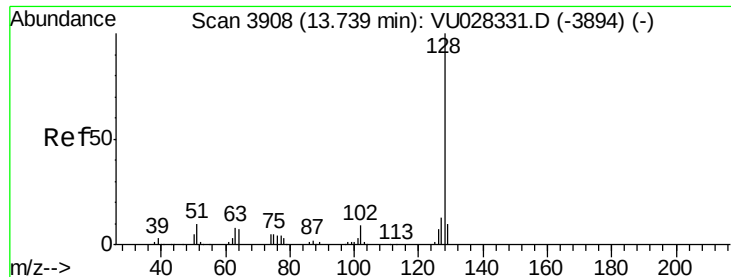
#88
 Hexachlorobutadiene
 Concen: 0.466 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU028327.D
 Acq: 26 Nov 2018 09:50

Tgt Ion:225 Resp: 5128
 Ion Ratio Lower Upper
 225 100
 223 64.0 50.6 76.0
 227 67.9 50.8 76.2



Abundance Ion 224.60 (224.30 to 225.30): V
 Ion 222.60 (222.30 to 223.30): V
 Ion 226.60 (226.30 to 227.30): V





#89

Naphthalene

Concen: 0.514 ug/l

RT: 13.75 min Scan# 3910

Delta R.T. 0.01 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

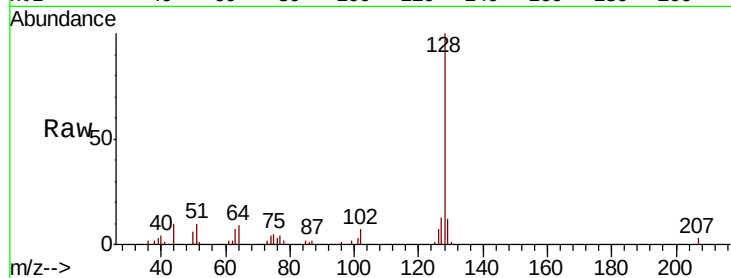
Tgt Ion:128 Resp: 20692

Ion Ratio Lower Upper

128 100

127 12.5 10.3 15.5

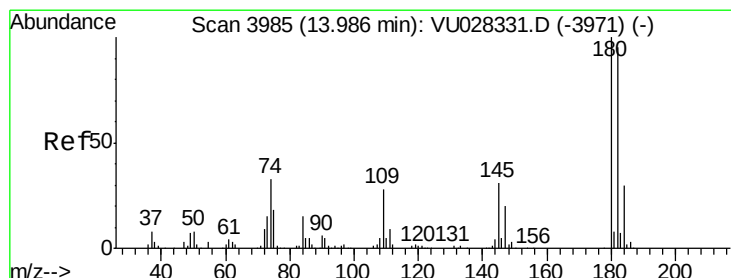
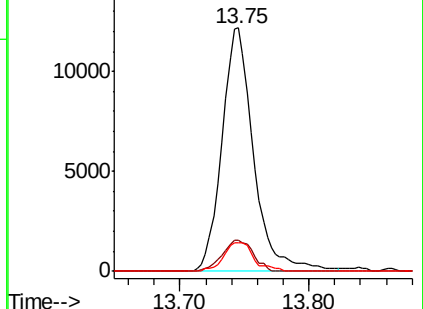
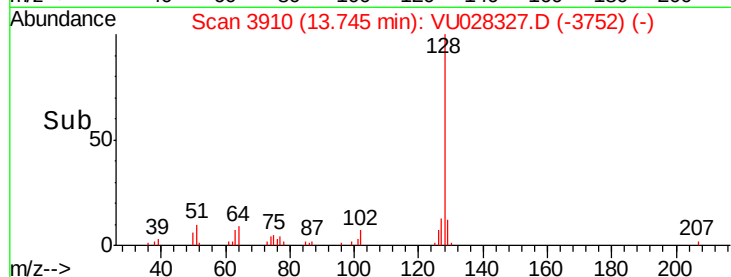
129 11.2 8.2 12.4



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



#90

1,2,3-Trichlorobenzene

Concen: 0.511 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU028327.D

Acq: 26 Nov 2018 09:50

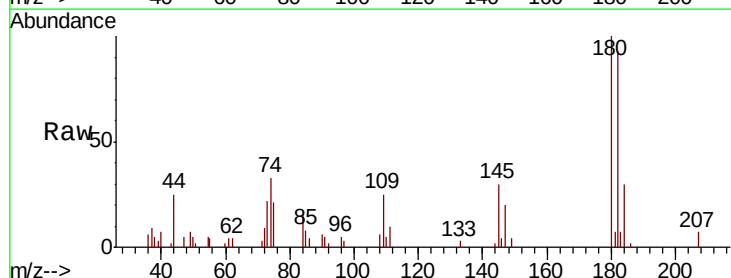
Tgt Ion:180 Resp: 9816

Ion Ratio Lower Upper

180 100

182 91.4 76.1 114.1

145 31.6 26.0 39.0



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

