

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U112818\
 Data File : VU028353.D
 Acq On : 28 Nov 2018 09:35
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Quant Time: Nov 29 00:32:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 00:29:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	235748	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	424952	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	378749	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	169704	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	20034	5.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.16%	
35) Dibromofluoromethane	4.88	113	14325	5.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.14%	
50) Toluene-d8	7.56	98	56390	4.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.98%	
62) 4-Bromofluorobenzene	10.31	95	18960	4.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.30%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.20	85	15999	5.059 ug/l	99
3) Chloromethane	1.33	50	32960	5.377 ug/l	97
4) Vinyl Chloride	1.40	62	21765	5.075 ug/l	95
5) Bromomethane	1.60	94	8693	5.241 ug/l	99
6) Chloroethane	1.68	64	12234	4.957 ug/l	99
7) Trichlorofluoromethane	1.88	101	23123	5.190 ug/l	97
8) Diethyl Ether	2.10	74	10406	5.025 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	12998	5.008 ug/l	96
10) Methyl Iodide	2.41	142	11403	4.659 ug/l	99
11) Tert butyl alcohol	2.83	59	22627	25.279 ug/l #	89
12) 1,1-Dichloroethene	2.28	96	13223	5.250 ug/l	88
13) Acrolein	2.19	56	21259	26.716 ug/l	98
14) Allyl chloride	2.59	41	31795	4.832 ug/l	98
15) Acrylonitrile	2.94	53	60548	25.573 ug/l	99
16) Acetone	2.32	43	67392	27.962 ug/l	97
17) Carbon Disulfide	2.47	76	48916	5.060 ug/l	98
18) Methyl Acetate	2.61	43	34997	5.215 ug/l	99
19) Methyl tert-butyl Ether	3.00	73	54178	5.247 ug/l	98
20) Methylene Chloride	2.70	84	18463	4.952 ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	14711	5.037 ug/l	94
22) Diisopropyl ether	3.57	45	66276	5.119 ug/l	92
23) Vinyl Acetate	3.52	43	270610	25.130 ug/l	100
24) 1,1-Dichloroethane	3.44	63	34344	5.377 ug/l	98
25) 2-Butanone	4.26	43	91192	26.401 ug/l	99
26) 2,2-Dichloropropane	4.23	77	25791	5.084 ug/l	97
27) cis-1,2-Dichloroethene	4.22	96	17608	5.097 ug/l	97
28) Bromochloromethane	4.55	49	17046	5.337 ug/l	98
29) Tetrahydrofuran	4.64	42	57375	25.583 ug/l	98
30) Chloroform	4.67	83	29831	5.060 ug/l	96
31) Cyclohexane	4.99	56	39034	5.149 ug/l #	94
32) 1,1,1-Trichloroethane	4.91	97	25020	5.289 ug/l	98
36) 1,1-Dichloropropene	5.13	75	23501	5.054 ug/l	97
37) Ethyl Acetate	4.38	43	30988	4.890 ug/l	100
38) Carbon Tetrachloride	5.13	117	20020	5.243 ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U112818\
 Data File : VU028353.D
 Acq On : 28 Nov 2018 09:35
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Quant Time: Nov 29 00:32:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 00:29:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	25580	4.666	ug/l	99
40) Benzene	5.39	78	70268	5.102	ug/l	98
41) Methacrylonitrile	4.55	41	17986	5.111	ug/l	99
42) 1,2-Dichloroethane	5.40	62	25704	5.181	ug/l	98
43) Isopropyl Acetate	5.55	43	48924	4.872	ug/l	99
44) Trichloroethene	6.19	130	14877	5.039	ug/l	94
45) 1,2-Dichloropropane	6.43	63	20543	5.093	ug/l	95
46) Dibromomethane	6.56	93	12260	5.292	ug/l	98
47) Bromodichloromethane	6.76	83	23661	5.135	ug/l	98
48) Methyl methacrylate	6.62	41	25400	4.856	ug/l	98
49) 1,4-Dioxane	6.62	88	8077	96.654	ug/l #	92
51) 4-Methyl-2-Pentanone	7.46	43	159020	24.793	ug/l	98
52) Toluene	7.64	92	39504	4.981	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	27416	4.976	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	29350	4.972	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	16854	5.106	ug/l	97
56) Ethyl methacrylate	8.02	69	26085	4.645	ug/l	95
57) 1,3-Dichloropropane	8.24	76	31159	5.148	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	69418	23.026	ug/l	97
59) 2-Hexanone	8.36	43	124373	25.034	ug/l	100
60) Dibromochloromethane	8.48	129	15446	4.920	ug/l	98
61) 1,2-Dibromoethane	8.59	107	16867	4.989	ug/l	100
64) Tetrachloroethene	8.22	164	13683	5.492	ug/l	88
65) Chlorobenzene	9.12	112	39694	5.047	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.21	131	13920	5.164	ug/l	97
67) Ethyl Benzene	9.25	91	72564	4.899	ug/l	99
68) m/p-Xylenes	9.37	106	52238	9.798	ug/l	97
69) o-Xylene	9.78	106	26781	5.053	ug/l	99
70) Styrene	9.79	104	40989	4.795	ug/l	100
71) Bromoform	9.96	173	11347	5.008	ug/l #	98
73) Isopropylbenzene	10.17	105	68391	5.182	ug/l	100
74) N-amyl acetate	10.01	43	42302	5.115	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	29984	5.524	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	34955	7.523	ug/l	78
77) Bromobenzene	10.45	156	15827	5.089	ug/l	98
78) n-propylbenzene	10.58	91	81427	5.001	ug/l	100
79) 2-Chlorotoluene	10.66	91	50947	5.308	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	56806	5.107	ug/l	97
81) trans-1,4-Dichloro-2-buten	10.49	75	34955	15.465	ug/l #	100
82) 4-Chlorotoluene	10.77	91	55951	5.059	ug/l	97
83) tert-Butylbenzene	11.10	119	53011	5.113	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	55679	4.942	ug/l	98
85) sec-Butylbenzene	11.32	105	66640	4.948	ug/l	99
86) p-Isopropyltoluene	11.48	119	55099	4.976	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	28498	5.024	ug/l	98
88) 1,4-Dichlorobenzene	11.50	146	29103	5.098	ug/l	92
89) n-Butylbenzene	11.89	91	49830	4.560	ug/l	99
90) Hexachloroethane	12.14	117	8623	4.988	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	29563	5.224	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	12.66	75	6225	5.156	ug/l	98

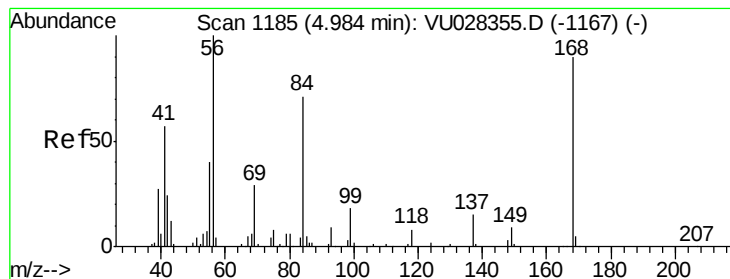
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU112818\
Data File : VU028353.D
Acq On : 28 Nov 2018 09:35
Operator : MD/SY
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC005

Quant Time: Nov 29 00:32:48 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 29 00:29:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	16057	4.335	ug/l	99
94) Hexachlorobutadiene	13.69	225	8533	4.878	ug/l	98
95) Naphthalene	13.75	128	57346	4.552	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	16594	4.429	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

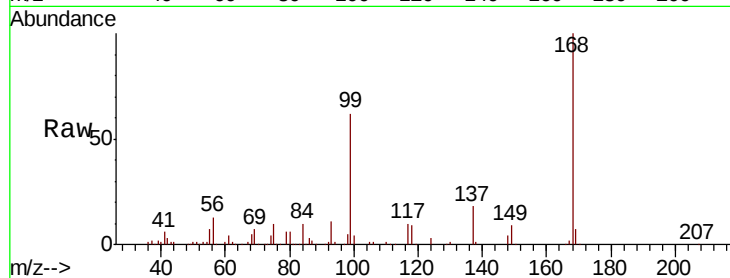
VSTDIC005

Tgt Ion:168 Resp: 235748

Ion Ratio Lower Upper

168 100

99 60.7 49.6 74.4



Abundance Ion 167.90 (167.60 to 168.60): VU028353.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028353.D (-1167) (-)

4.98

120000

100000

80000

60000

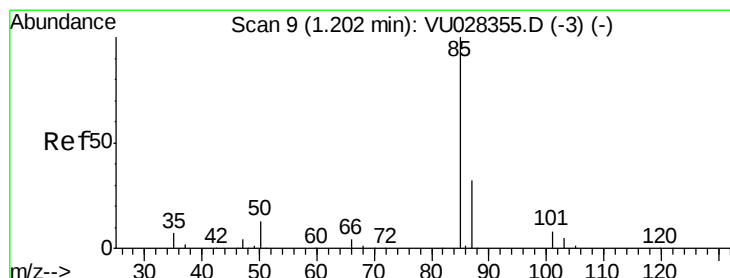
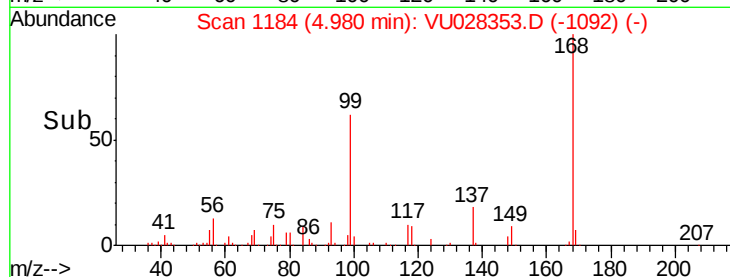
40000

20000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 5.059 ug/l

RT: 1.20 min Scan# 9

Delta R.T. 0.00 min

Lab File: VU028353.D

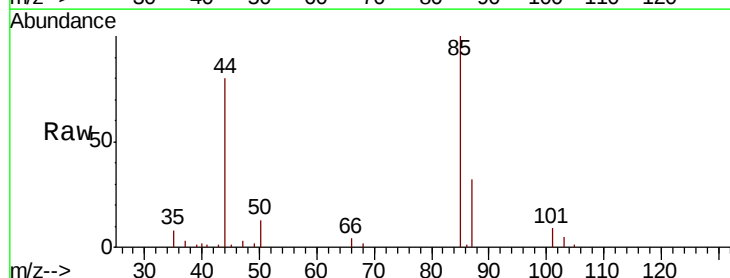
Acq: 28 Nov 2018 09:35

Tgt Ion: 85 Resp: 15999

Ion Ratio Lower Upper

85 100

87 32.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VU028353.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU028353.D (-1) (-)

1.20

15000

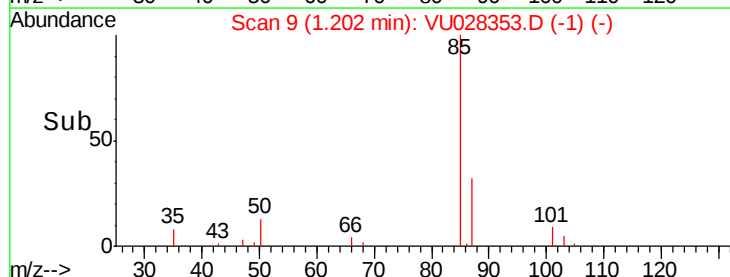
10000

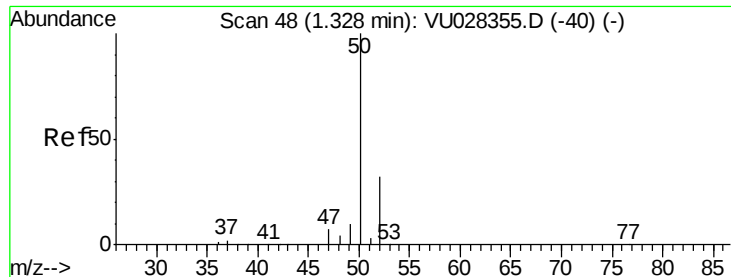
5000

0

1.20 1.25

Time-->





#3

Chloromethane

Concen: 5.377 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

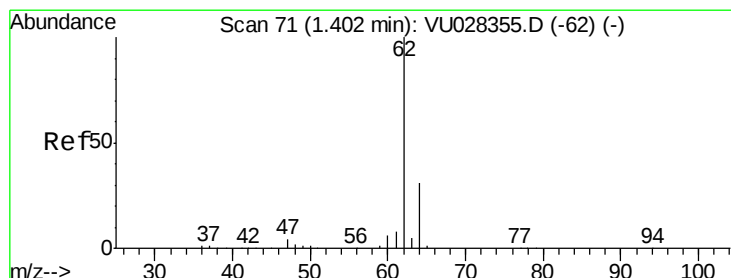
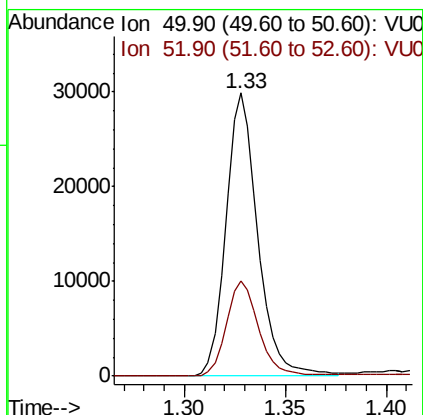
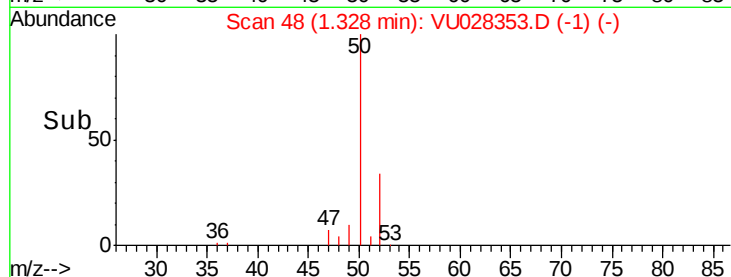
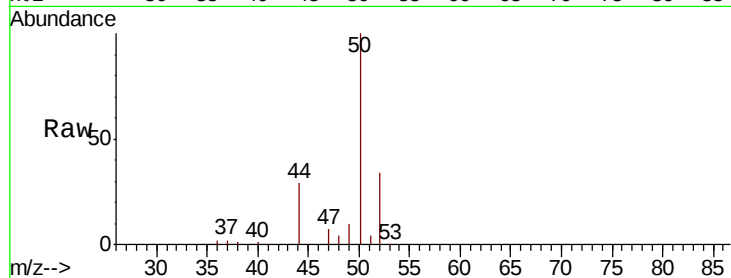
VSTDIC005

Tgt Ion: 50 Resp: 32960

Ion Ratio Lower Upper

50 100

52 33.5 25.4 38.2



#4

Vinyl Chloride

Concen: 5.075 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028353.D

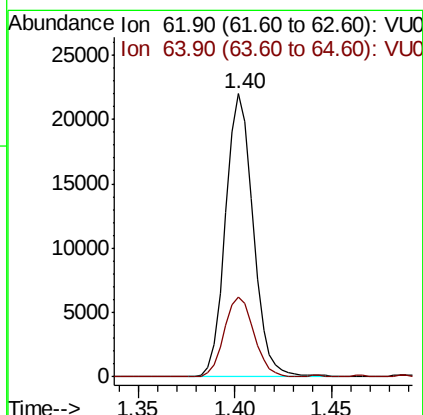
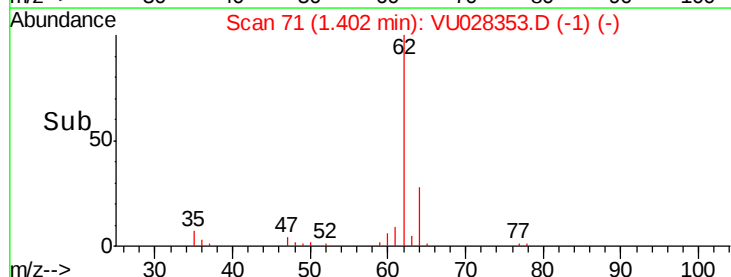
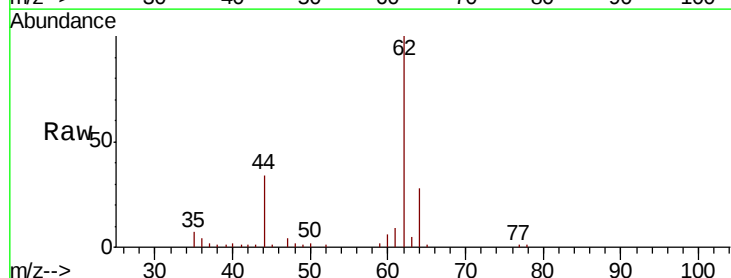
Acq: 28 Nov 2018 09:35

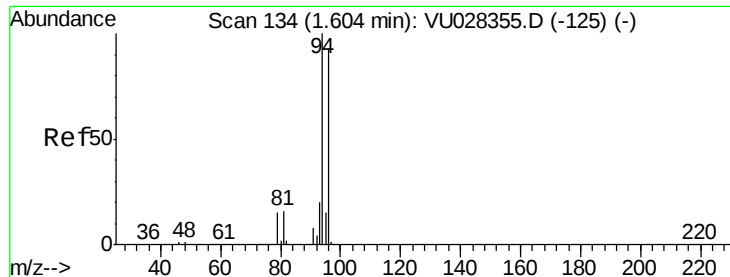
Tgt Ion: 62 Resp: 21765

Ion Ratio Lower Upper

62 100

64 28.4 25.0 37.4





#5

Bromomethane

Concen: 5.241 ug/l

RT: 1.60 min Scan# 134

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

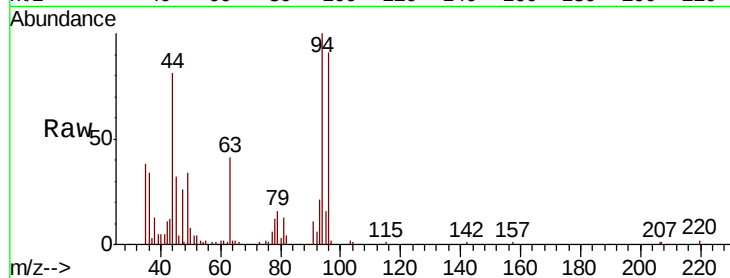
VSTDIC005

Tgt Ion: 94 Resp: 8693

Ion Ratio Lower Upper

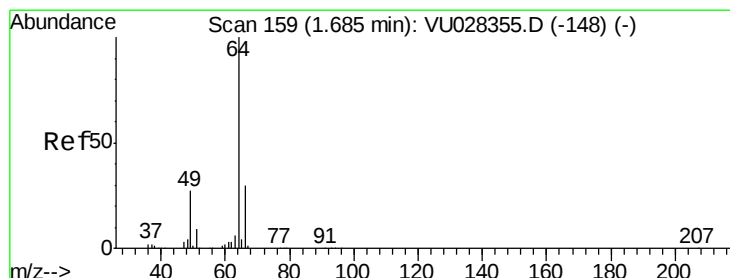
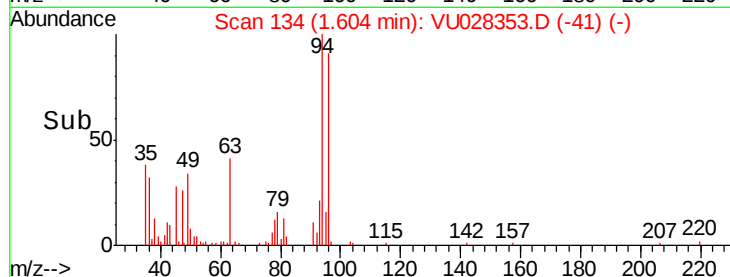
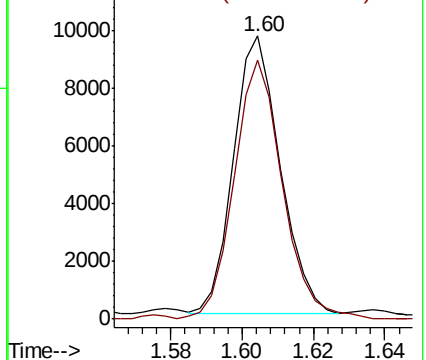
94 100

96 92.3 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 4.957 ug/l

RT: 1.68 min Scan# 158

Delta R.T. -0.00 min

Lab File: VU028353.D

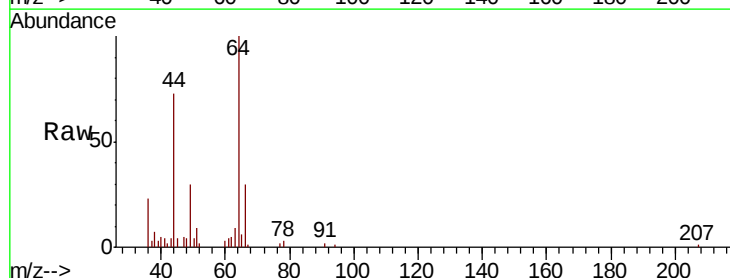
Acq: 28 Nov 2018 09:35

Tgt Ion: 64 Resp: 12234

Ion Ratio Lower Upper

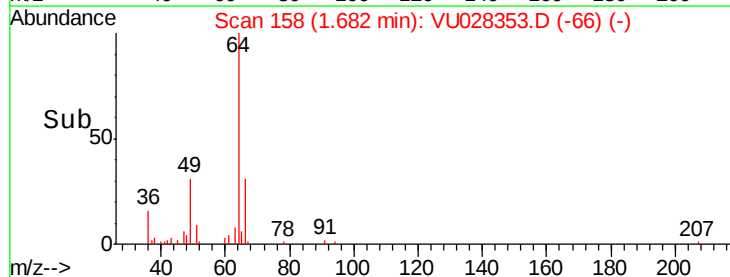
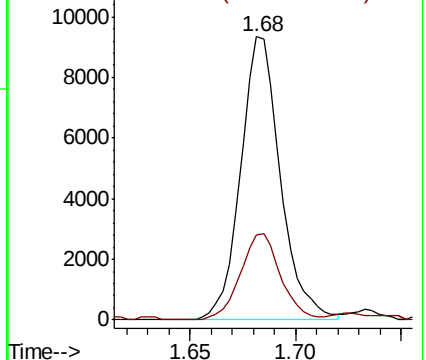
64 100

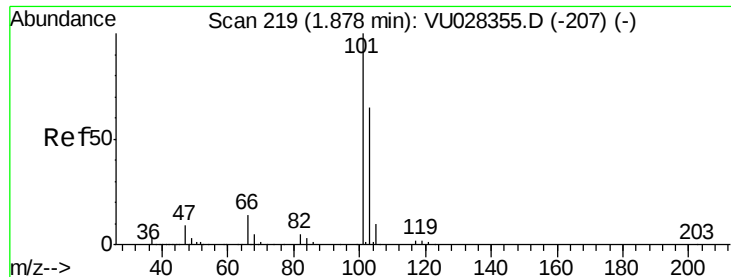
66 30.2 23.6 35.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

Trichlorofluoromethane

Concen: 5.190 ug/l

RT: 1.88 min Scan# 219

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

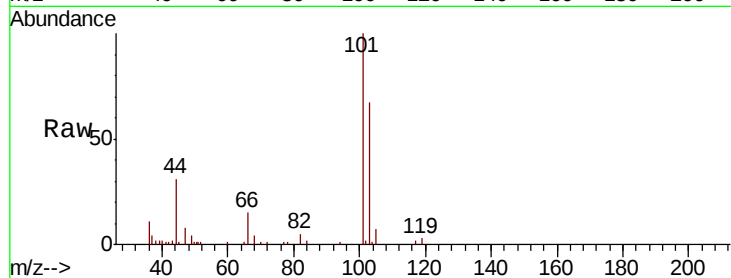
VSTDIC005

Tgt Ion:101 Resp: 23123

Ion Ratio Lower Upper

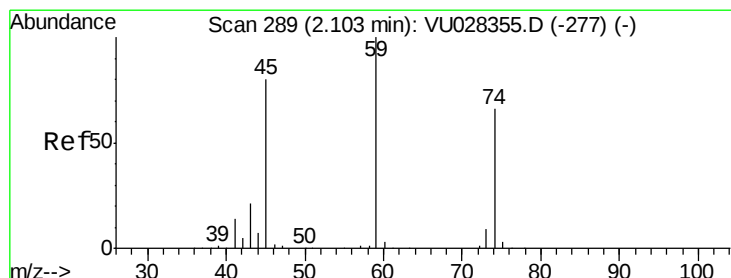
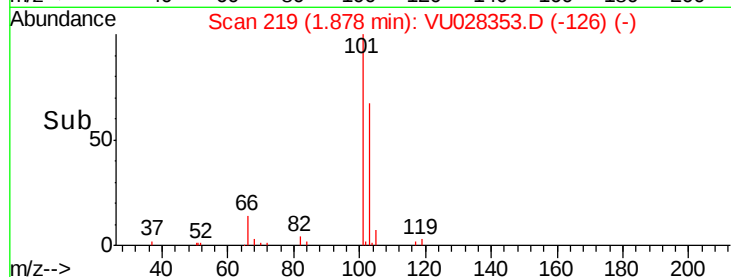
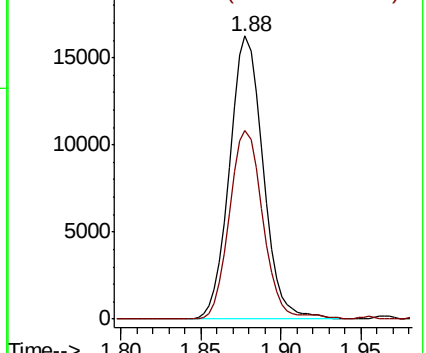
101 100

103 66.7 51.6 77.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 5.025 ug/l

RT: 2.10 min Scan# 289

Delta R.T. 0.00 min

Lab File: VU028353.D

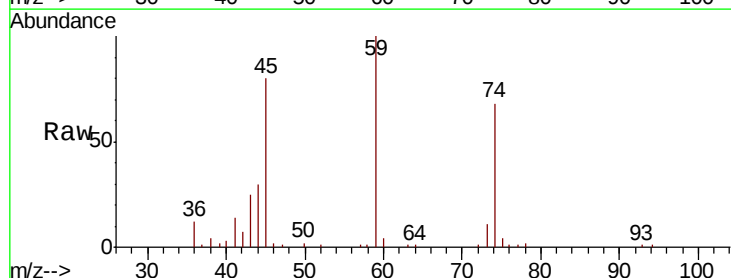
Acq: 28 Nov 2018 09:35

Tgt Ion: 74 Resp: 10406

Ion Ratio Lower Upper

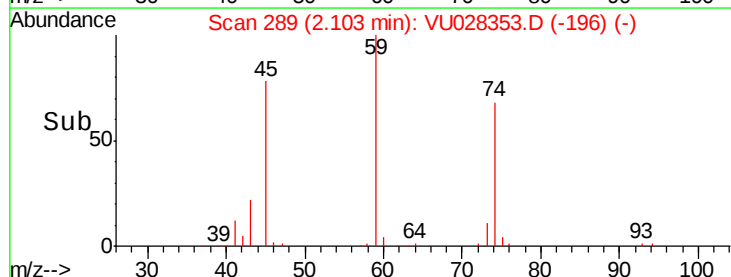
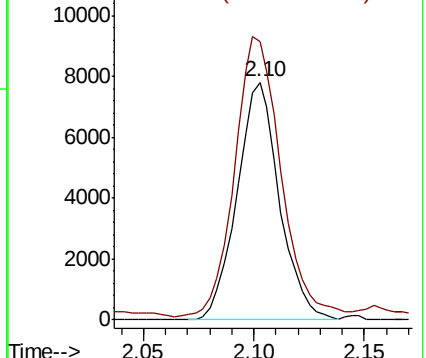
74 100

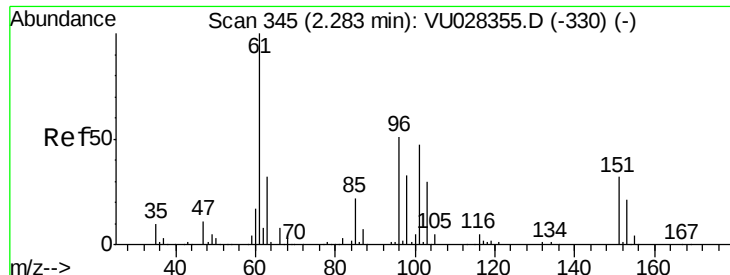
45 127.8 63.0 189.1



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.008 ug/l

RT: 2.28 min Scan# 344

Delta R.T. -0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

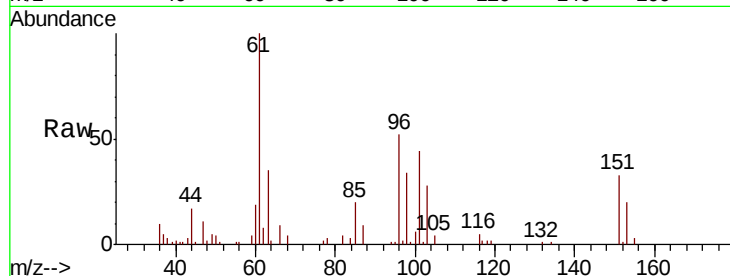
Tgt Ion:101 Resp: 12998

Ion Ratio Lower Upper

101 100

85 48.4 37.2 55.8

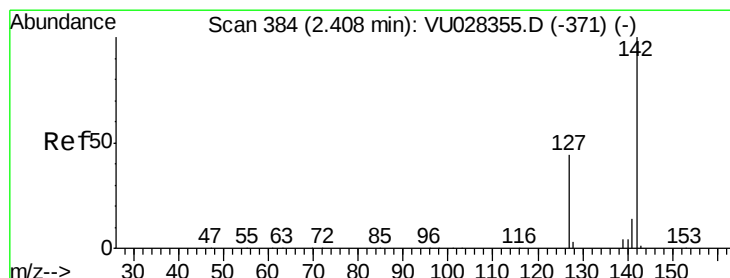
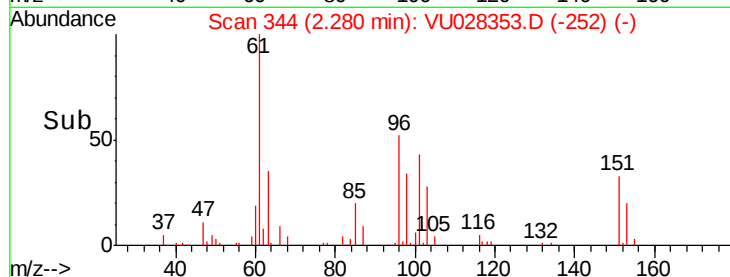
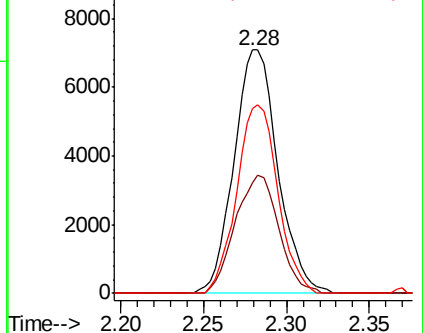
151 72.5 55.4 83.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.659 ug/l

RT: 2.41 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

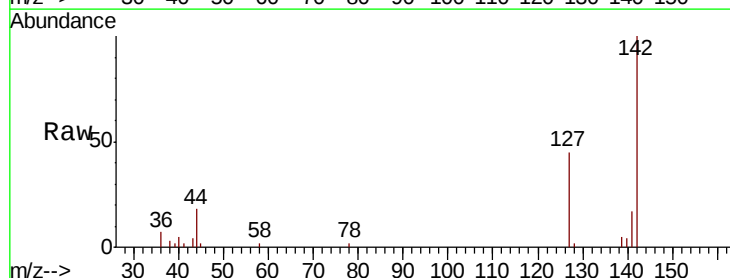
Tgt Ion:142 Resp: 11403

Ion Ratio Lower Upper

142 100

127 43.1 35.0 52.6

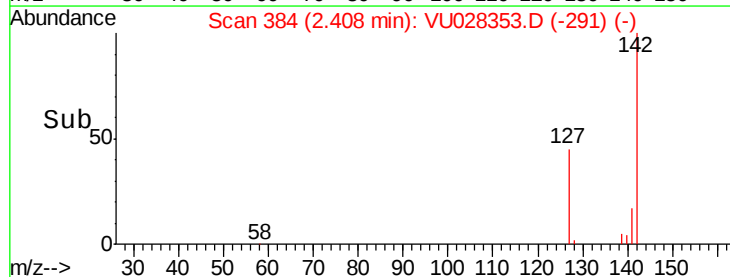
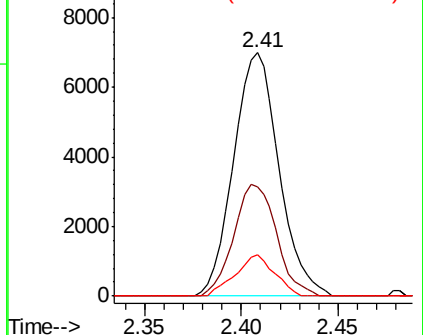
141 14.6 11.2 16.8

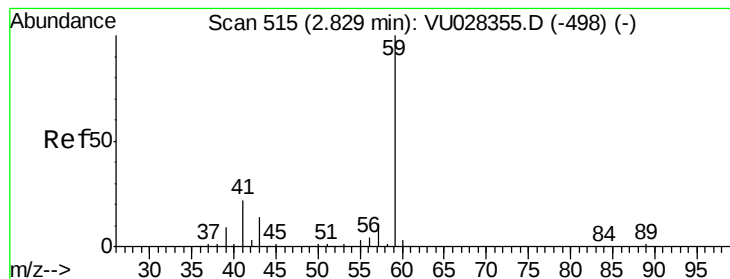


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



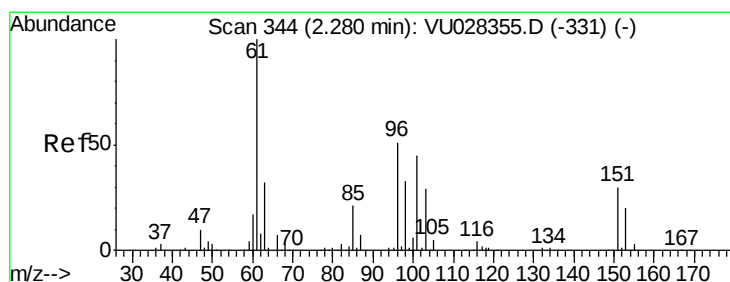
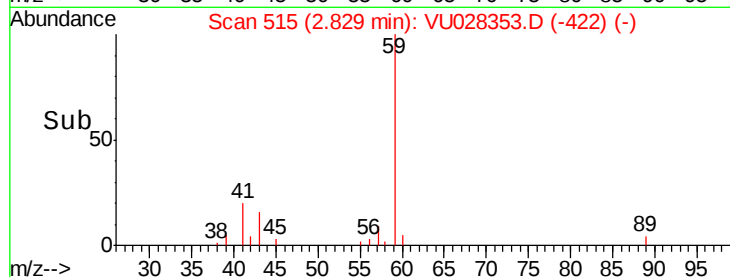
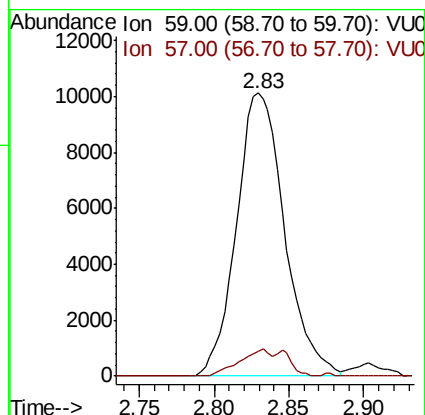
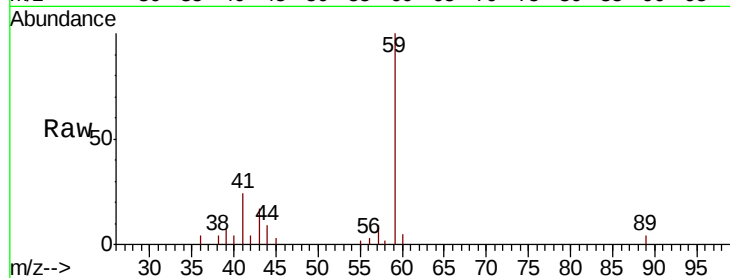


#11

Tert butyl alcohol
 Concen: 25.279 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. 0.00 min
 Lab File: VU028353.D
 Acq: 28 Nov 2018 09:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

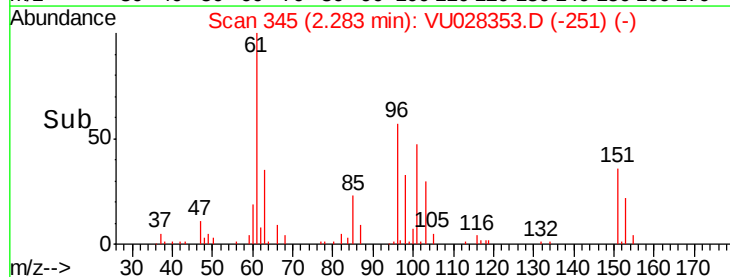
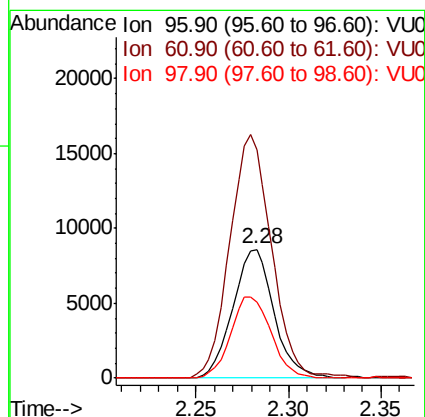
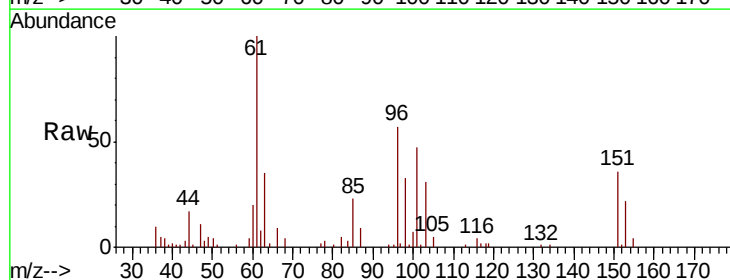
Tgt Ion: 59 Resp: 22627
 Ion Ratio Lower Upper
 59 100
 57 6.3 8.3 12.5#

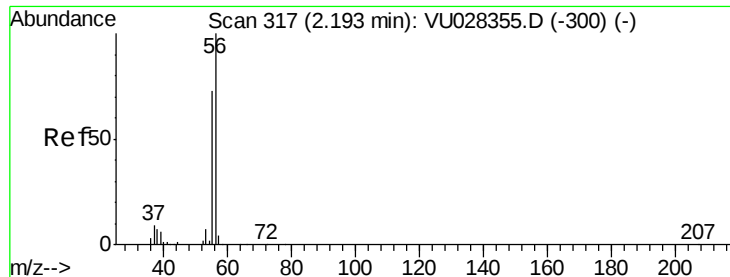


#12

1,1-Dichloroethene
 Concen: 5.250 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU028353.D
 Acq: 28 Nov 2018 09:35

Tgt Ion: 96 Resp: 13223
 Ion Ratio Lower Upper
 96 100
 61 176.4 158.1 237.1
 98 58.8 51.4 77.2





#13

Acrolein

Concen: 26.716 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

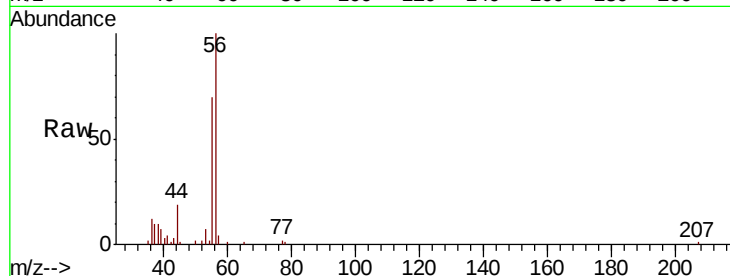
VSTDIC005

Tgt Ion: 56 Resp: 21259

Ion Ratio Lower Upper

56 100

55 72.4 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.19

15000

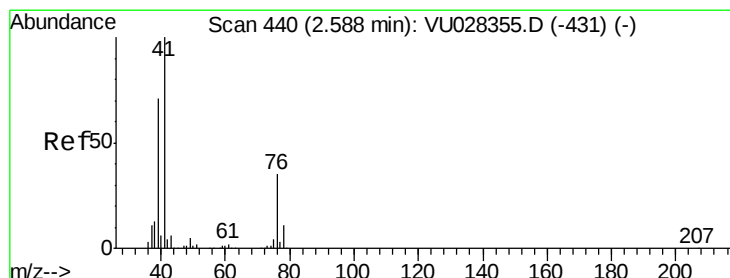
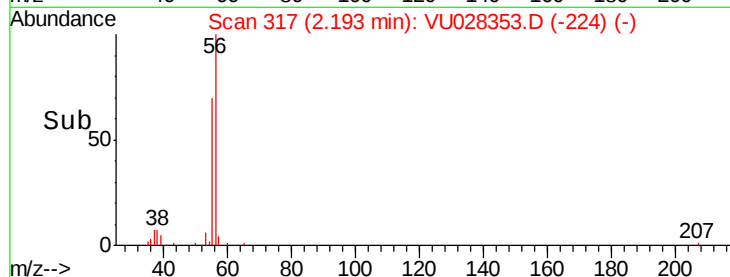
10000

5000

0

Time-->

2.15 2.20 2.25



#14

Allyl chloride

Concen: 4.832 ug/l

RT: 2.59 min Scan# 440

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

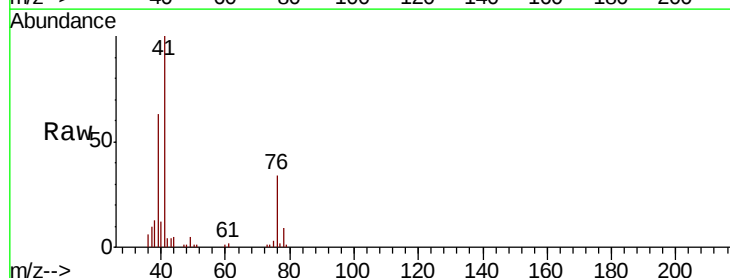
Tgt Ion: 41 Resp: 31795

Ion Ratio Lower Upper

41 100

39 63.4 51.6 77.4

76 32.7 24.4 36.6



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

25000

20000

15000

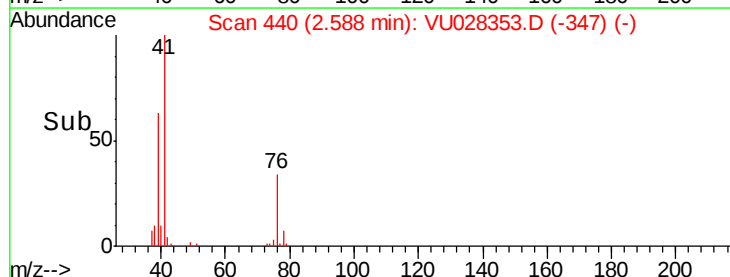
10000

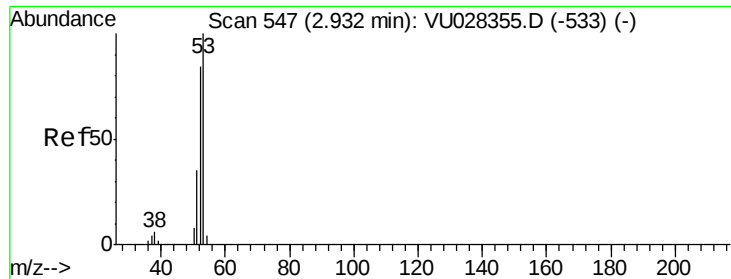
5000

0

Time-->

2.55 2.60 2.65





#15

Acrylonitrile

Concen: 25.573 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

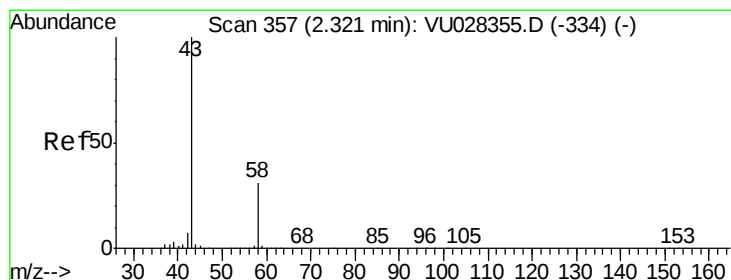
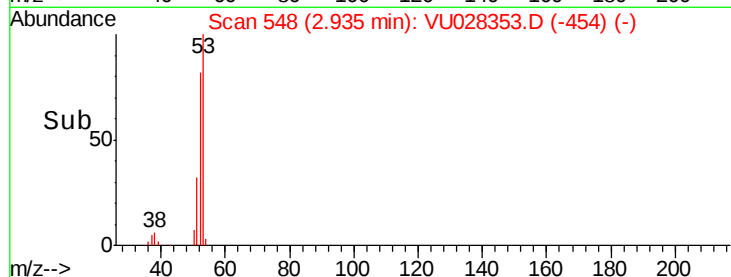
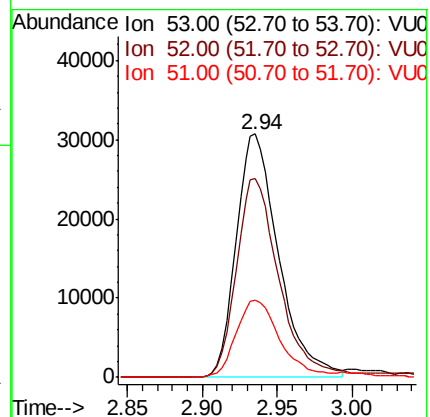
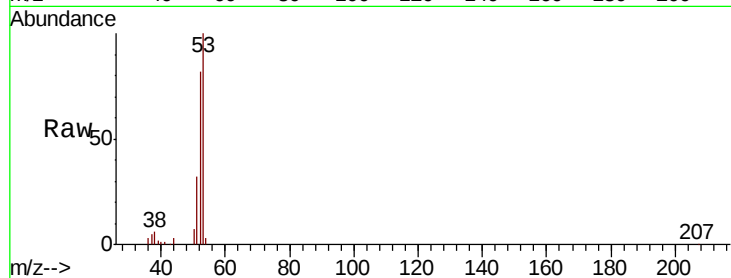
Tgt Ion: 53 Resp: 60548

Ion Ratio Lower Upper

53 100

52 82.3 65.7 98.5

51 32.9 27.8 41.6



#16

Acetone

Concen: 27.962 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU028353.D

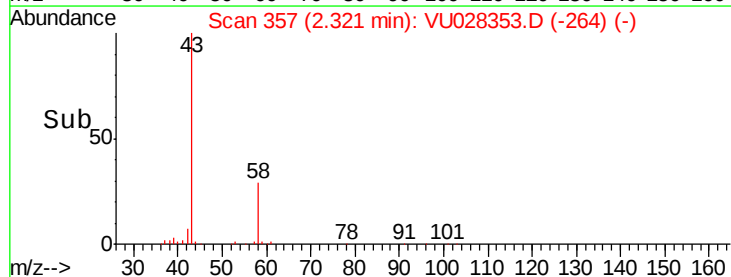
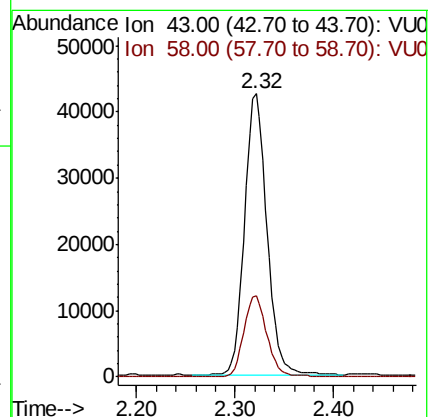
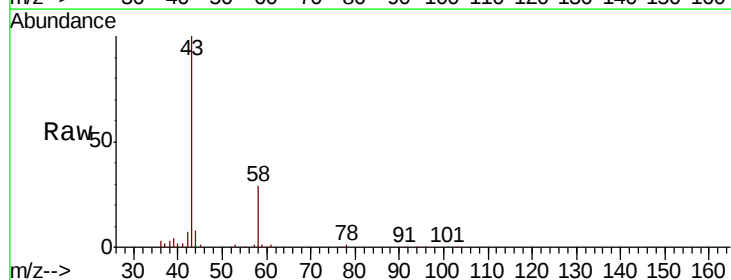
Acq: 28 Nov 2018 09:35

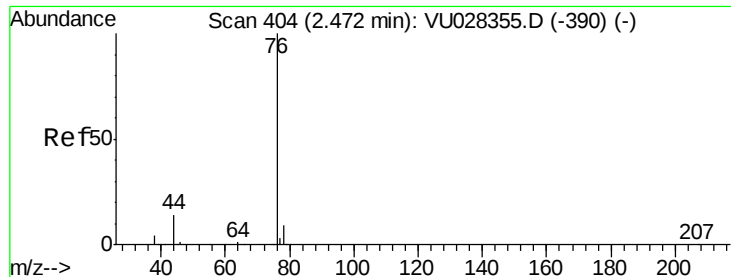
Tgt Ion: 43 Resp: 67392

Ion Ratio Lower Upper

43 100

58 28.8 24.4 36.6





#17

Carbon Disulfide

Concen: 5.060 ug/l

RT: 2.47 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

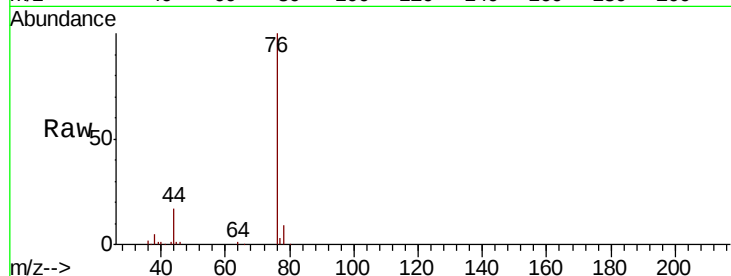
VSTDIC005

Tgt Ion: 76 Resp: 48916

Ion Ratio Lower Upper

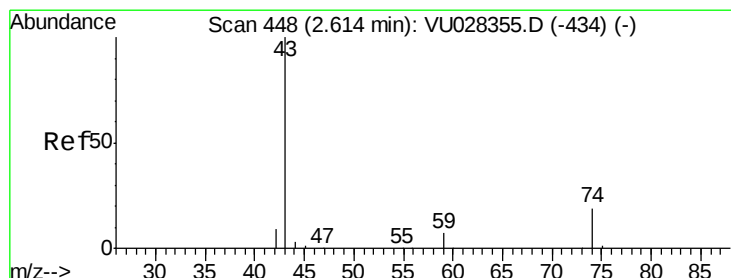
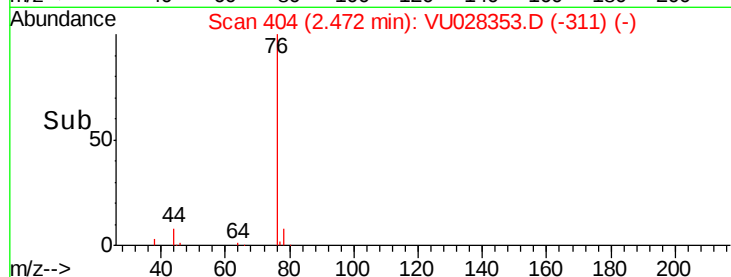
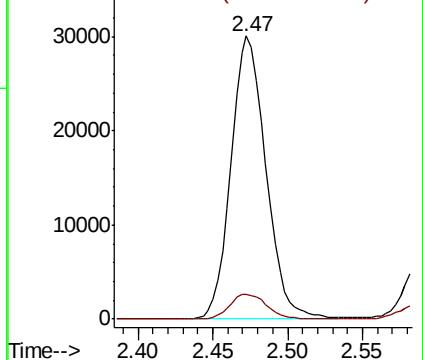
76 100

78 8.7 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 5.215 ug/l

RT: 2.61 min Scan# 448

Delta R.T. 0.00 min

Lab File: VU028353.D

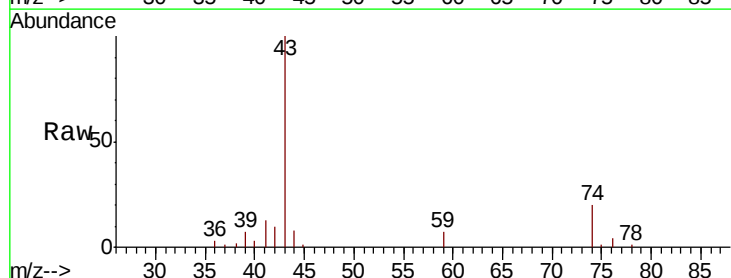
Acq: 28 Nov 2018 09:35

Tgt Ion: 43 Resp: 34997

Ion Ratio Lower Upper

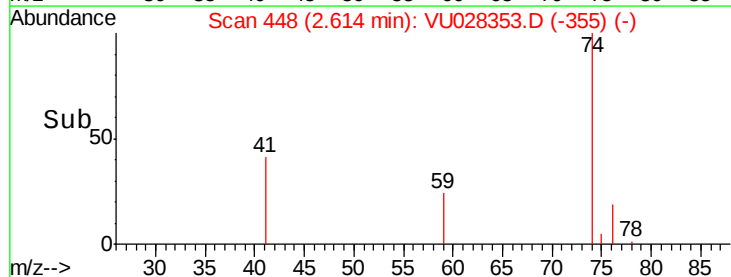
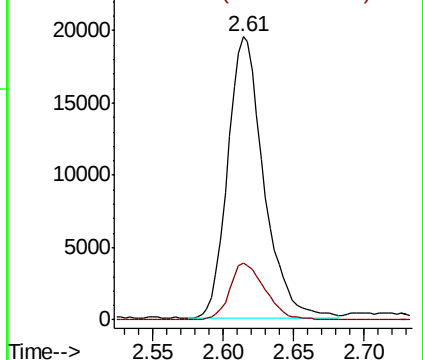
43 100

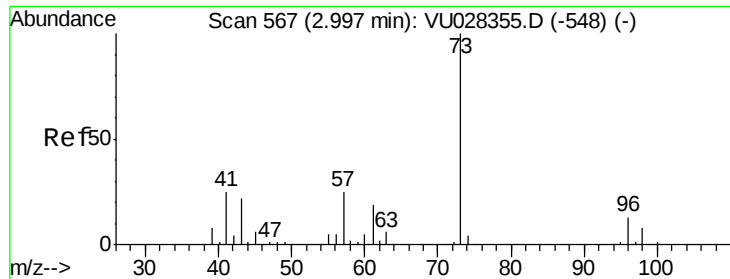
74 19.6 15.3 22.9



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

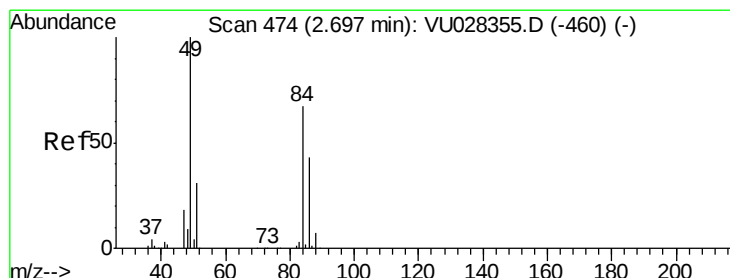
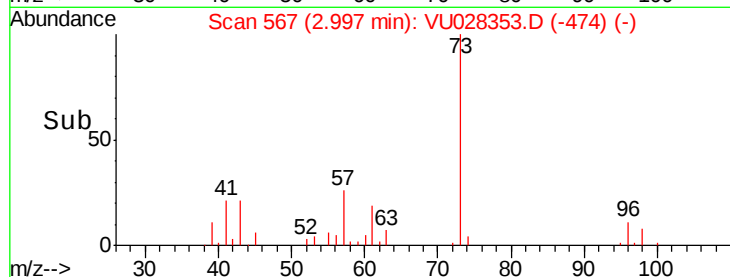
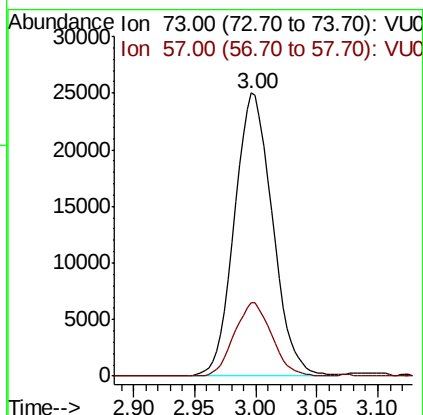
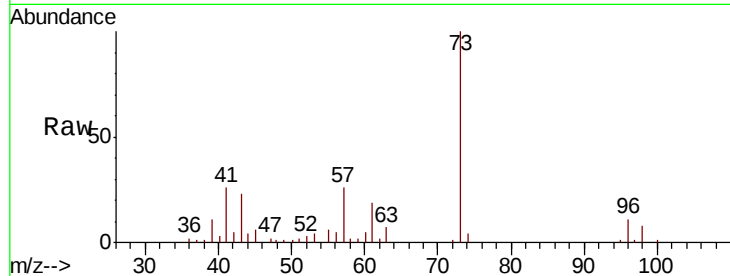




#19
Methyl tert-butyl Ether
Concen: 5.247 ug/l
RT: 3.00 min Scan# 567
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

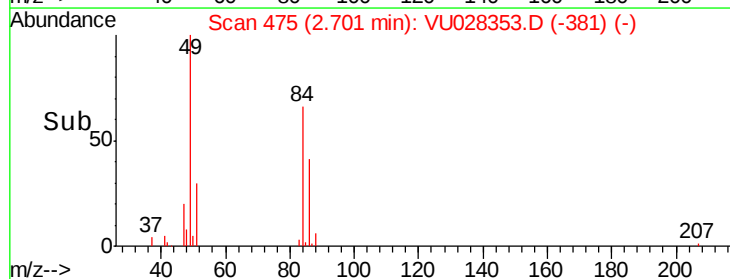
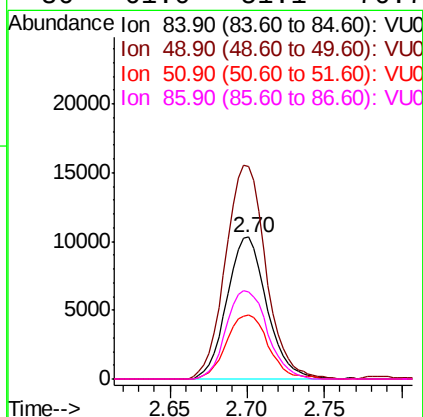
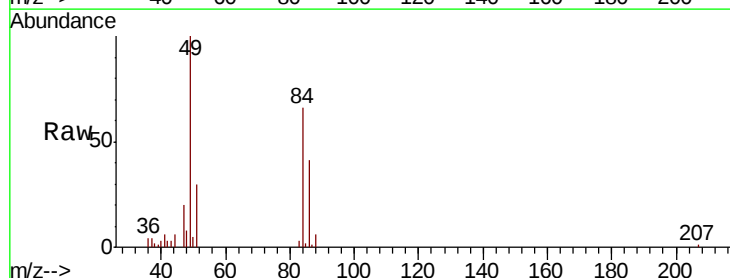
Instrument :
MSVOA_U
ClientSampled :
VSTDIC005

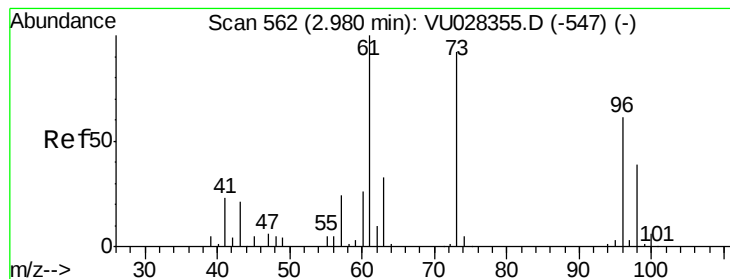
Tgt Ion: 73 Resp: 54178
Ion Ratio Lower Upper
73 100
57 25.9 20.1 30.1



#20
Methylene Chloride
Concen: 4.952 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Tgt Ion: 84 Resp: 18463
Ion Ratio Lower Upper
84 100
49 150.4 120.0 180.0
51 45.0 36.9 55.3
86 61.0 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 5.037 ug/l

RT: 2.98 min Scan# 561

Delta R.T. -0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

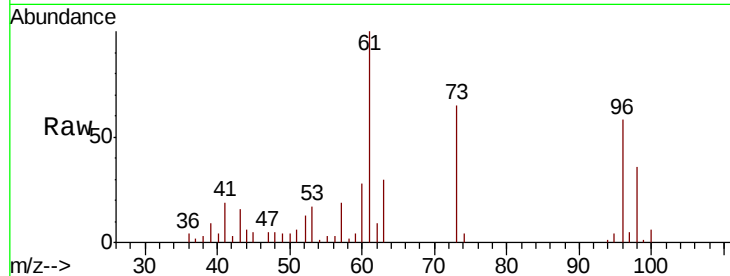
Tgt Ion: 96 Resp: 14711

Ion Ratio Lower Upper

96 100

61 173.5 131.1 196.7

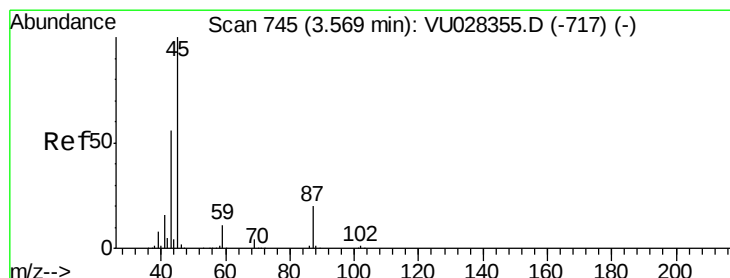
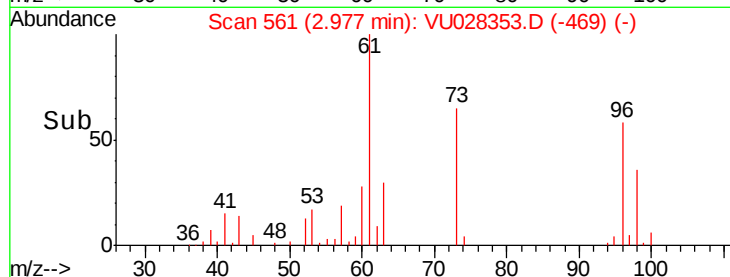
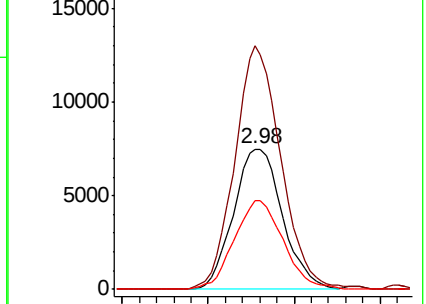
98 62.9 51.7 77.5



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 5.119 ug/l

RT: 3.57 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Tgt Ion: 45 Resp: 66276

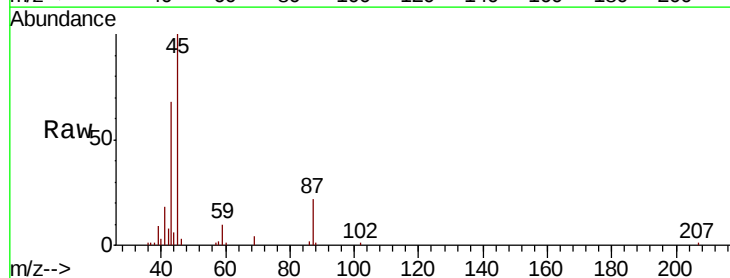
Ion Ratio Lower Upper

45 100

43 63.5 44.8 67.2

87 22.0 16.3 24.5

59 10.4 8.6 12.8

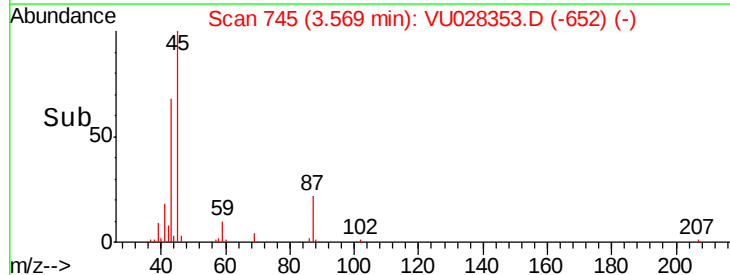
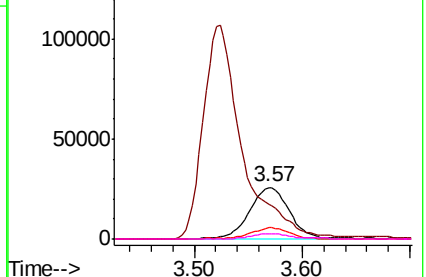


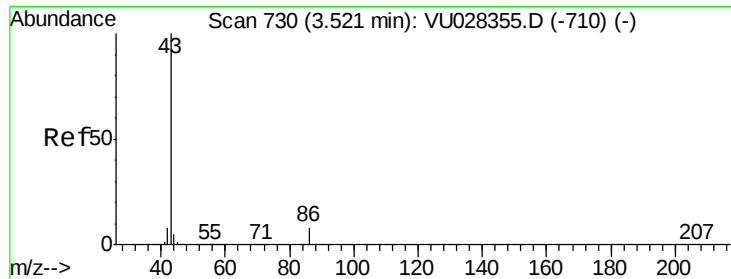
Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0

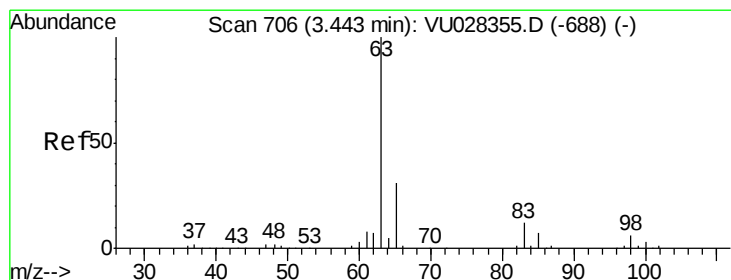
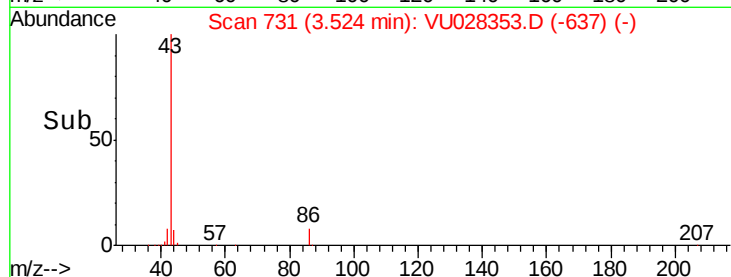
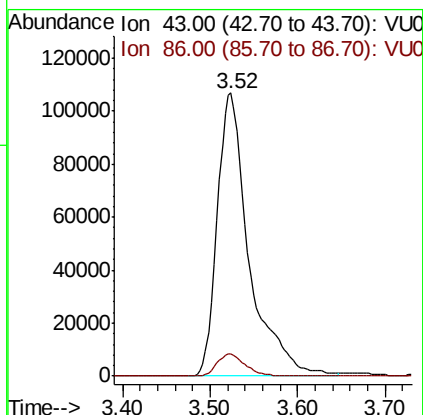
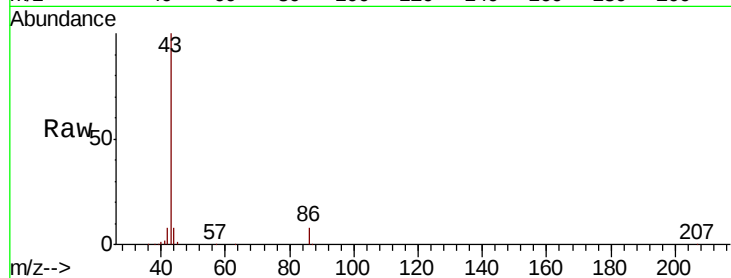




#23
 Vinyl Acetate
 Concen: 25.130 ug/l
 RT: 3.52 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU028353.D
 Acq: 28 Nov 2018 09:35

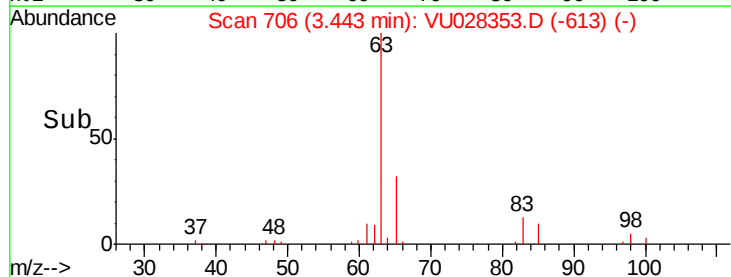
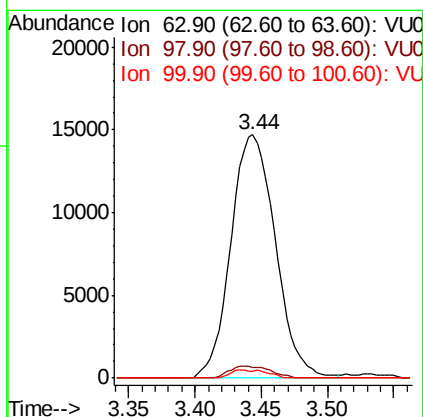
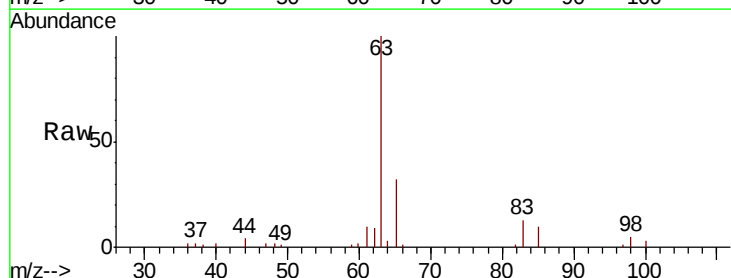
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

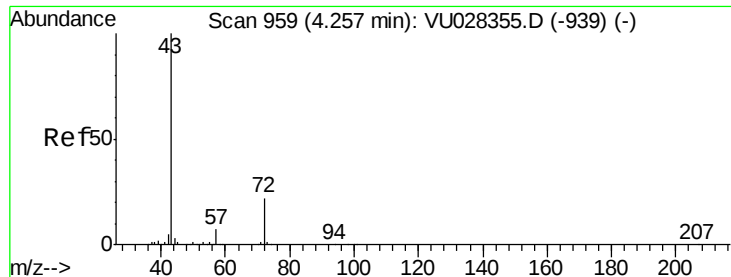
Tgt Ion: 43 Resp: 270610
 Ion Ratio Lower Upper
 43 100
 86 8.1 6.5 9.7



#24
 1,1-Dichloroethane
 Concen: 5.377 ug/l
 RT: 3.44 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VU028353.D
 Acq: 28 Nov 2018 09:35

Tgt Ion: 63 Resp: 34344
 Ion Ratio Lower Upper
 63 100
 98 4.6 2.9 8.6
 100 3.0 1.7 5.1

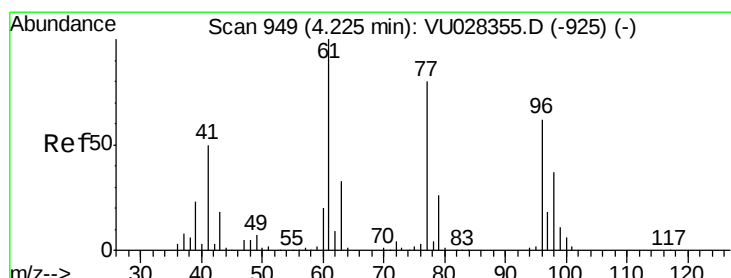
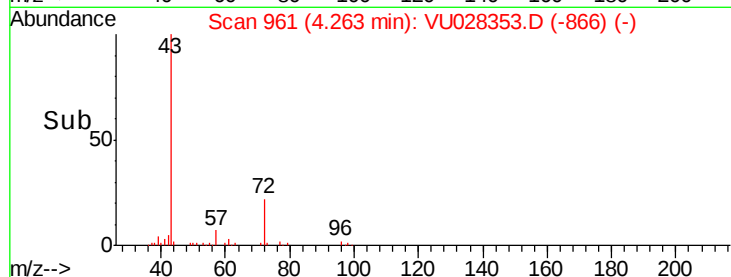
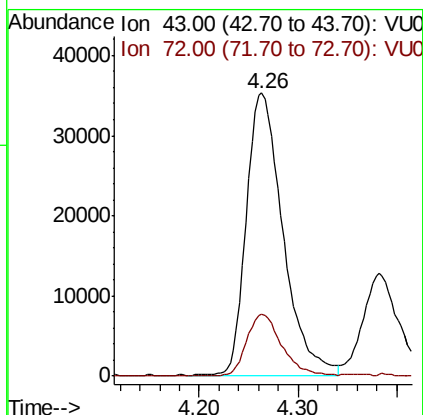
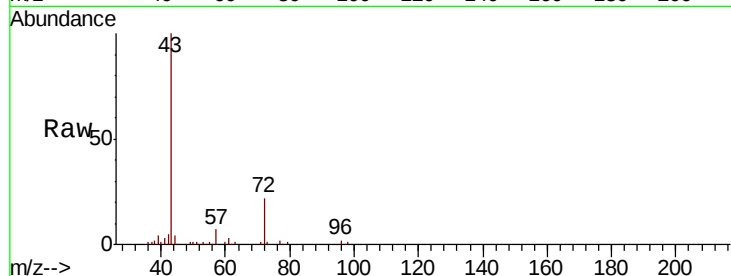




#25
2-Butanone
Concen: 26.401 ug/l
RT: 4.26 min Scan# 961
Delta R.T. 0.01 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

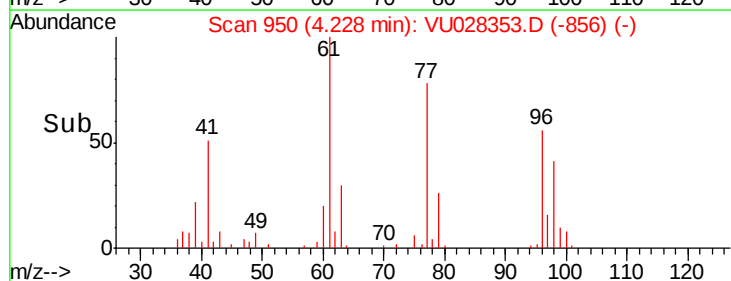
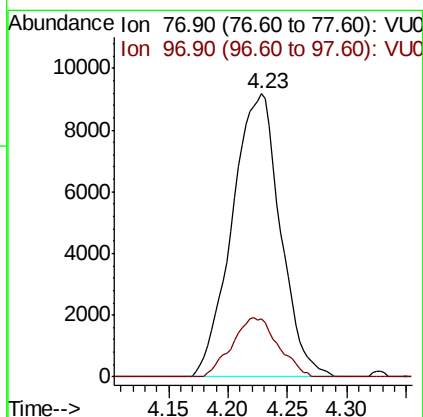
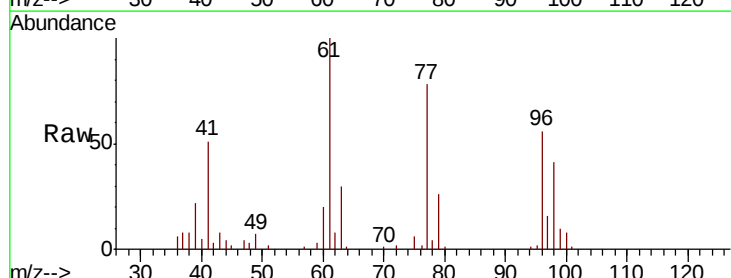
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

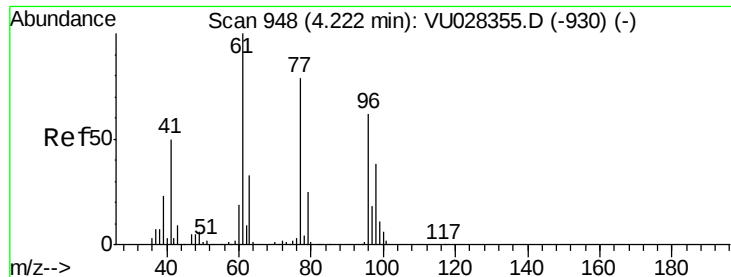
Tgt Ion: 43 Resp: 91192
Ion Ratio Lower Upper
43 100
72 21.9 17.7 26.5



#26
2,2-Dichloropropane
Concen: 5.084 ug/l
RT: 4.23 min Scan# 950
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Tgt Ion: 77 Resp: 25791
Ion Ratio Lower Upper
77 100
97 19.8 10.7 32.1





#27

cis-1,2-Dichloroethene

Concen: 5.097 ug/l

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

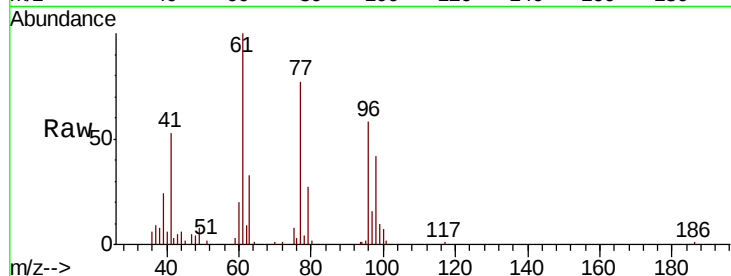
Tgt Ion: 96 Resp: 17608

Ion Ratio Lower Upper

96 100

61 166.3 0.0 342.0

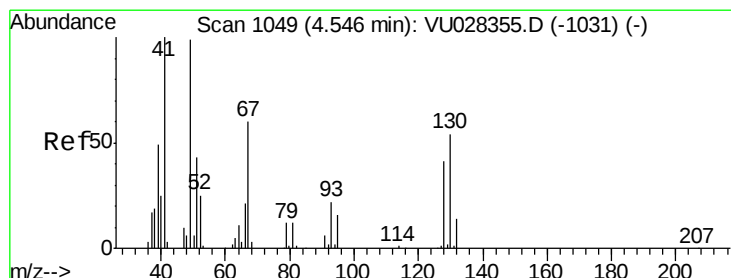
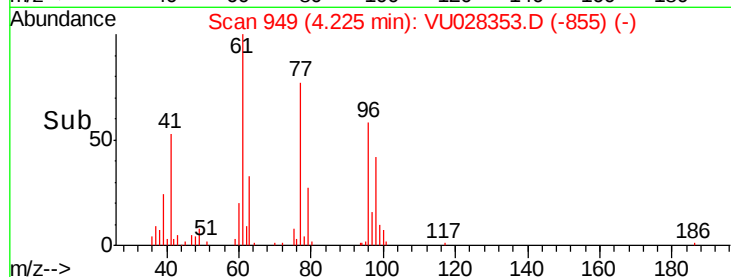
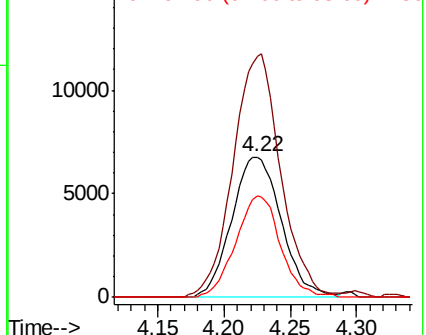
98 65.2 0.0 126.4



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane

Concen: 5.337 ug/l

RT: 4.55 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

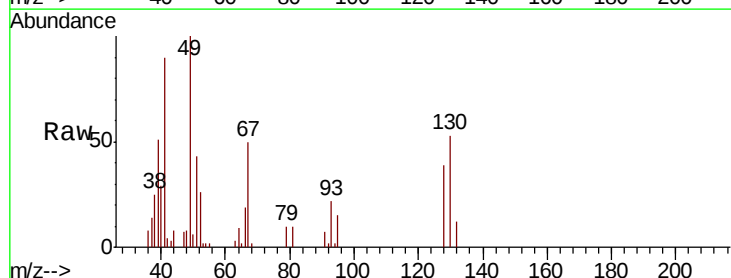
Tgt Ion: 49 Resp: 17046

Ion Ratio Lower Upper

49 100

129 0.3 0.0 2.6

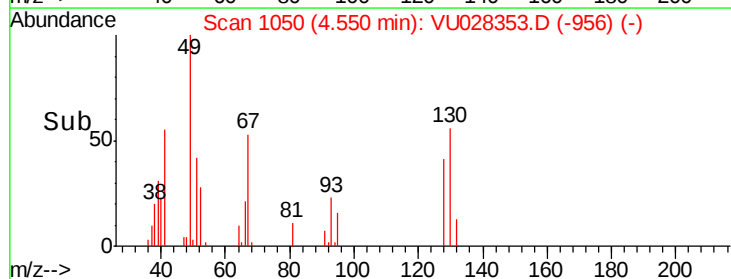
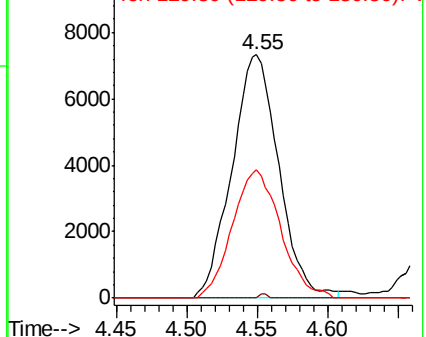
130 54.1 44.5 66.7

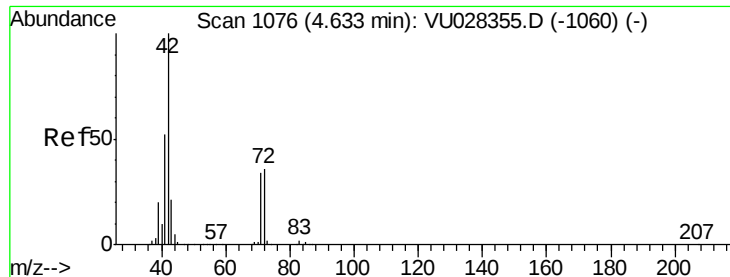


Abundance Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

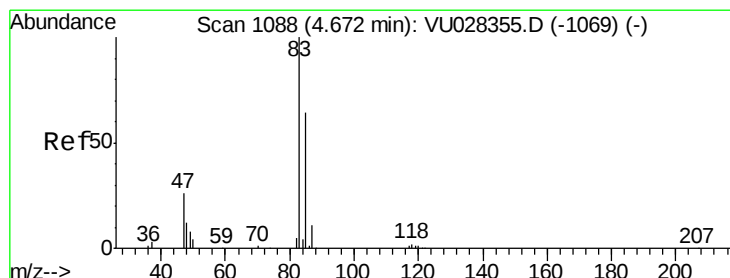
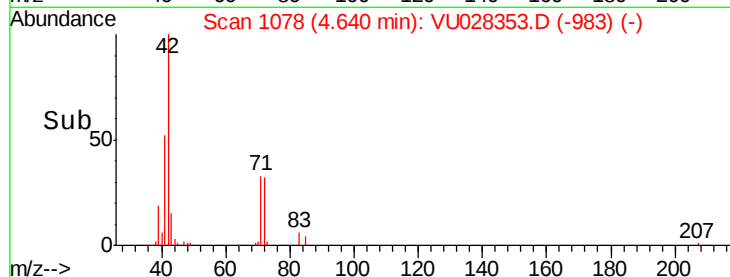
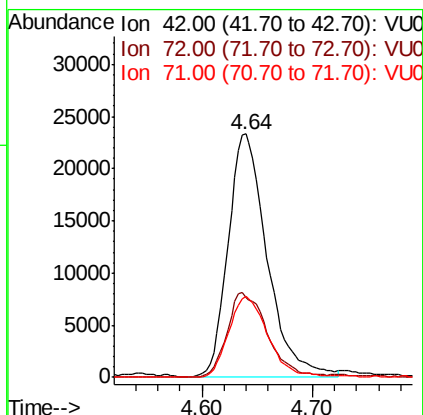
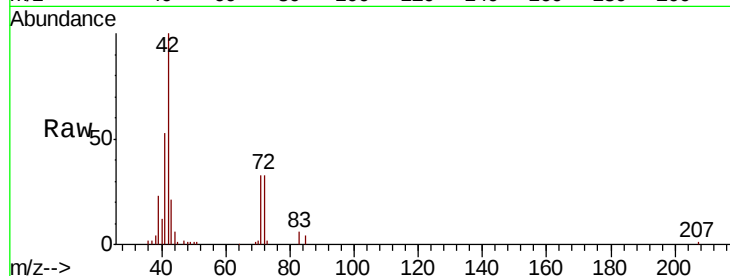




#29
Tetrahydrofuran
Concen: 25.583 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

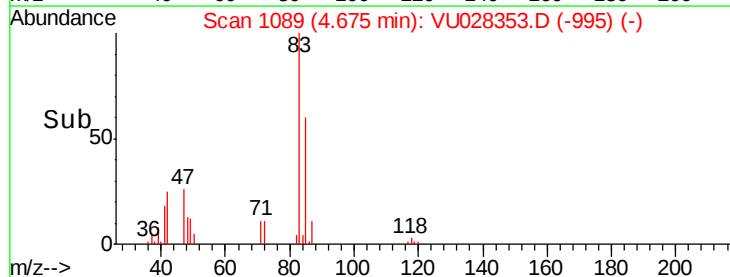
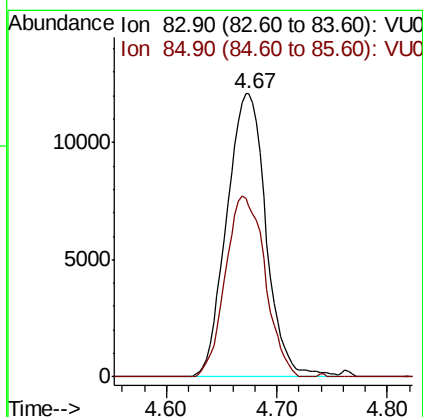
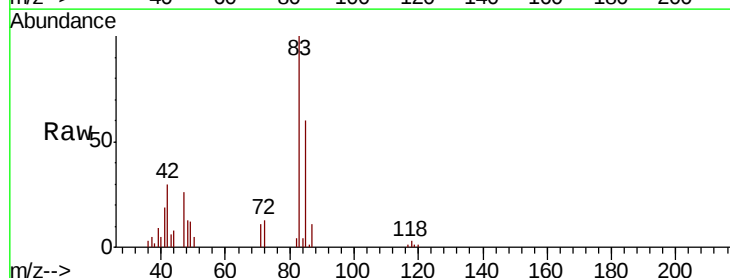
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

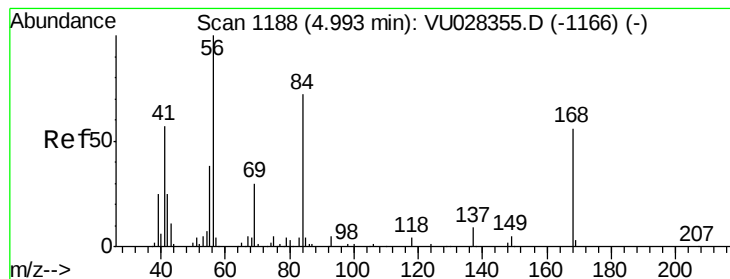
Tgt Ion: 42 Resp: 57375
Ion Ratio Lower Upper
42 100
72 35.9 29.5 44.3
71 33.0 27.7 41.5



#30
Chloroform
Concen: 5.060 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Tgt Ion: 83 Resp: 29831
Ion Ratio Lower Upper
83 100
85 60.5 51.2 76.8





#31

Cyclohexane

Concen: 5.149 ug/l

RT: 4.99 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

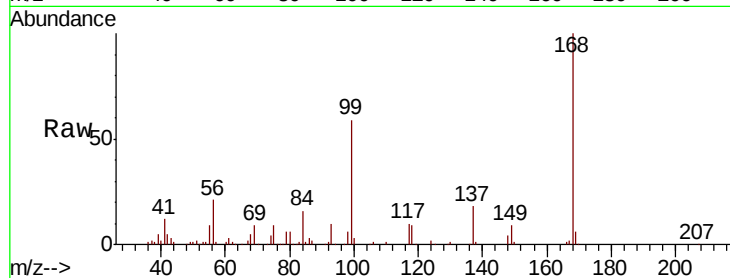
Tgt Ion: 56 Resp: 39034

Ion Ratio Lower Upper

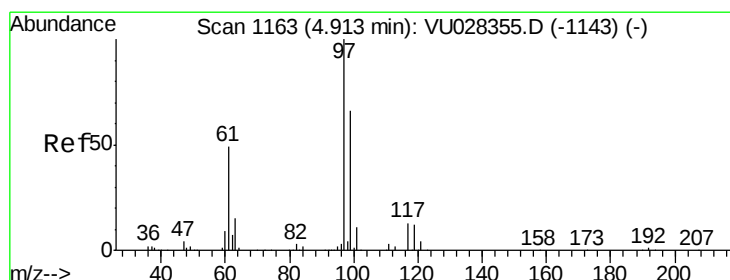
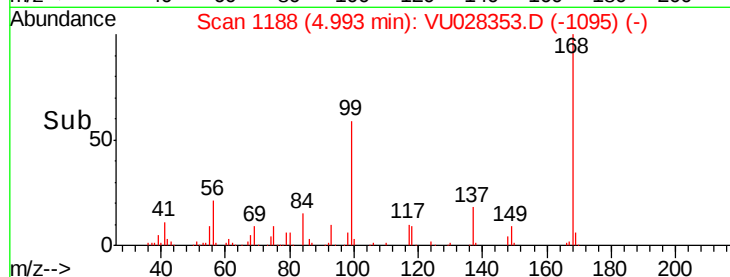
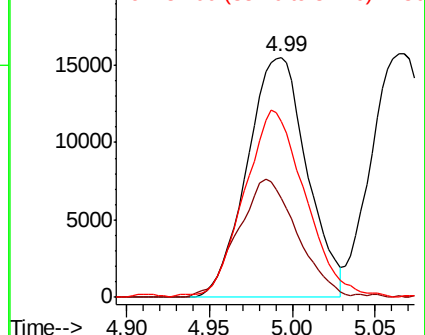
56 100

69 40.5 23.7 35.5#

84 72.1 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0



#32

1,1,1-Trichloroethane

Concen: 5.289 ug/l

RT: 4.91 min Scan# 1162

Delta R.T. -0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

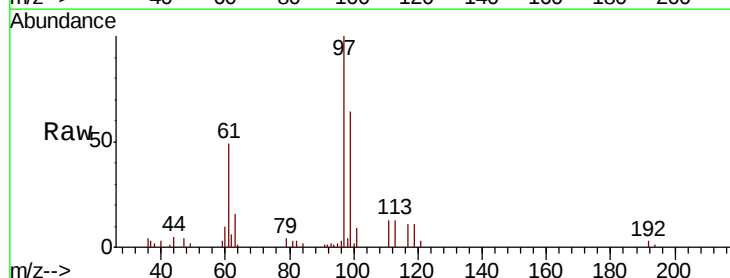
Tgt Ion: 97 Resp: 25020

Ion Ratio Lower Upper

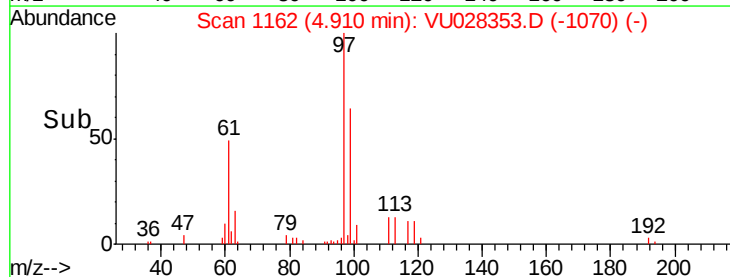
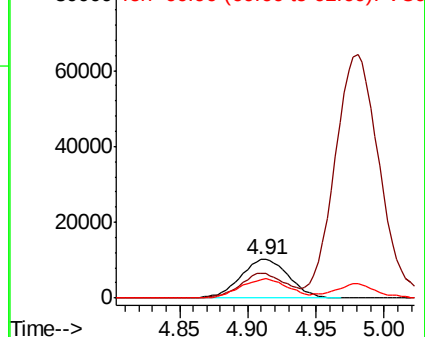
97 100

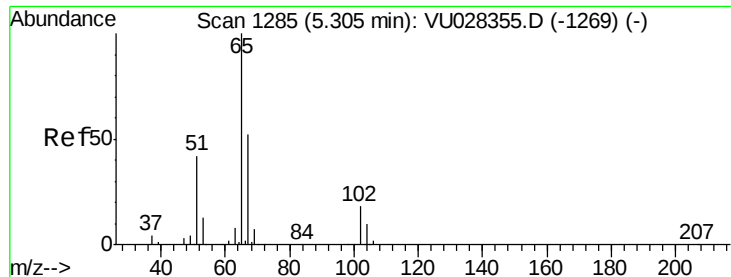
99 60.3 50.8 76.2

61 49.1 39.1 58.7



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0





#33

1,2-Dichloroethane-d4

Concen: 5.085 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

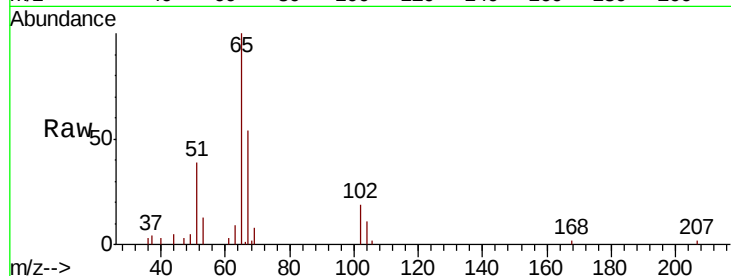
VSTDIC005

Tgt Ion: 65 Resp: 20034

Ion Ratio Lower Upper

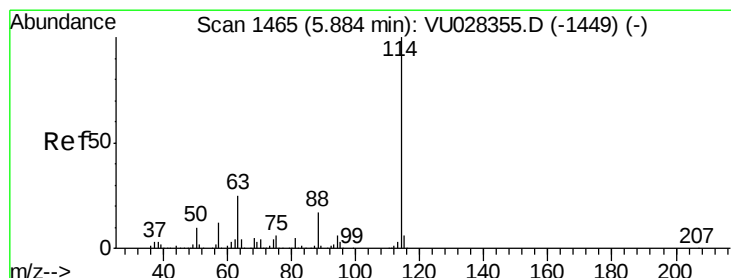
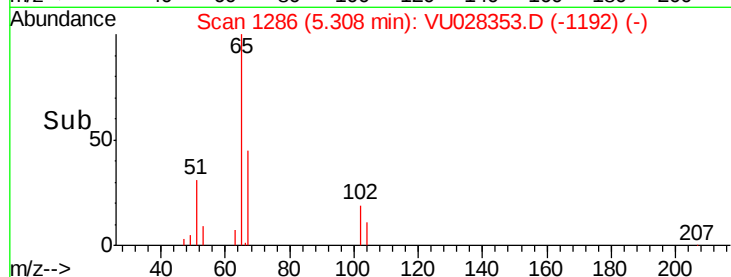
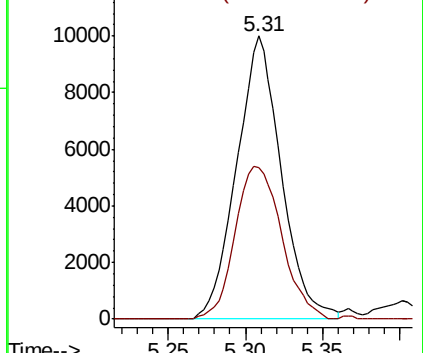
65 100

67 56.4 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

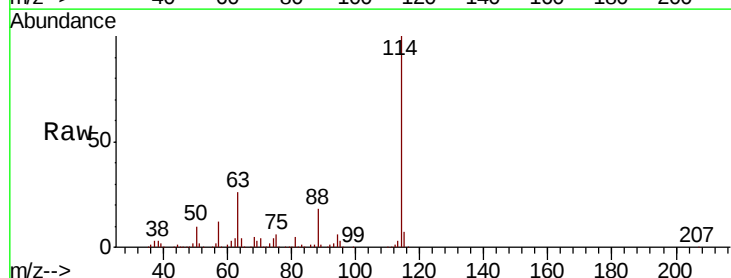
Tgt Ion: 114 Resp: 424952

Ion Ratio Lower Upper

114 100

63 26.0 0.0 50.0

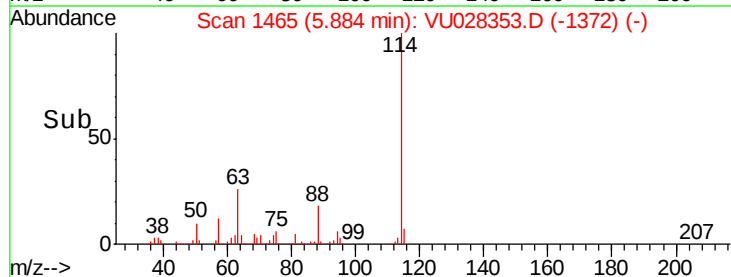
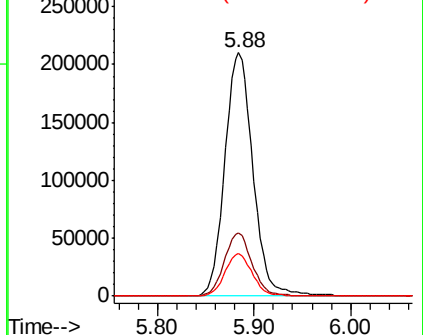
88 17.6 0.0 34.4

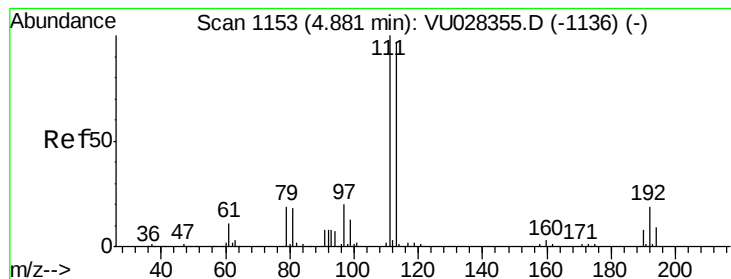


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0





#35

Dibromofluoromethane

Concen: 5.069 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

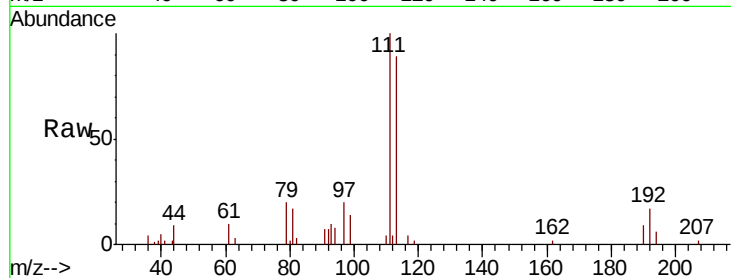
Tgt Ion: 113 Resp: 14325

Ion Ratio Lower Upper

113 100

111 108.7 82.9 124.3

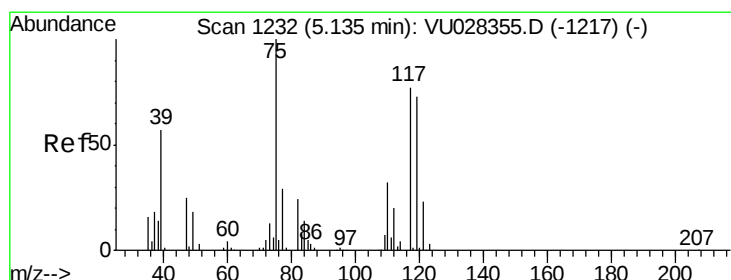
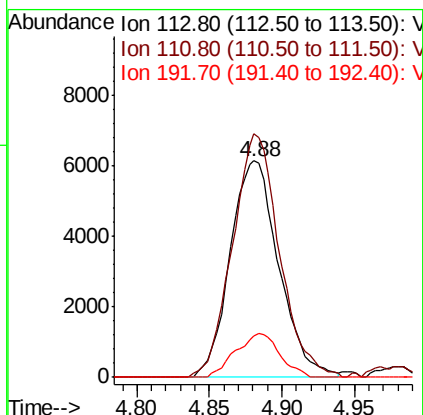
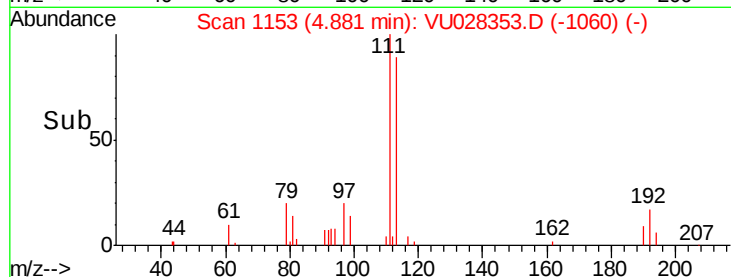
192 18.3 15.4 23.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.054 ug/l

RT: 5.13 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

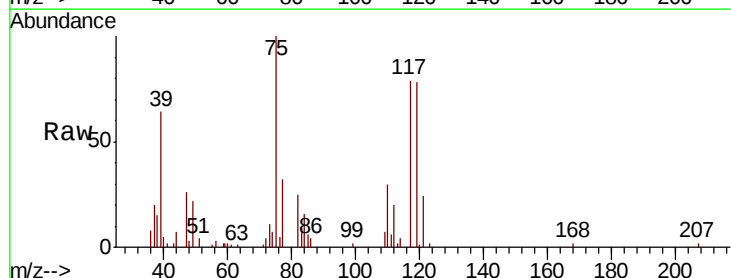
Tgt Ion: 75 Resp: 23501

Ion Ratio Lower Upper

75 100

110 29.2 15.8 47.4

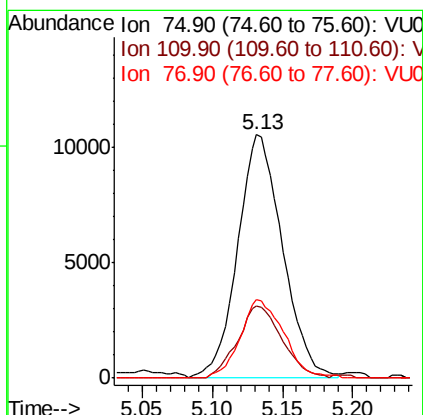
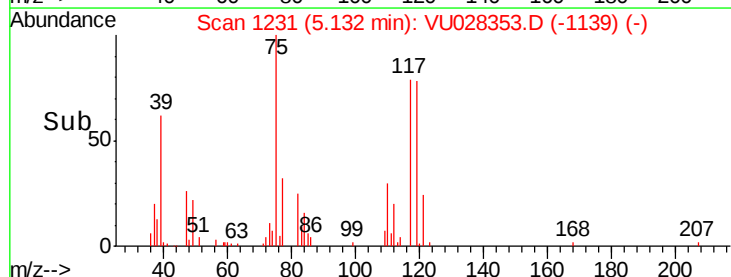
77 31.2 24.6 36.8

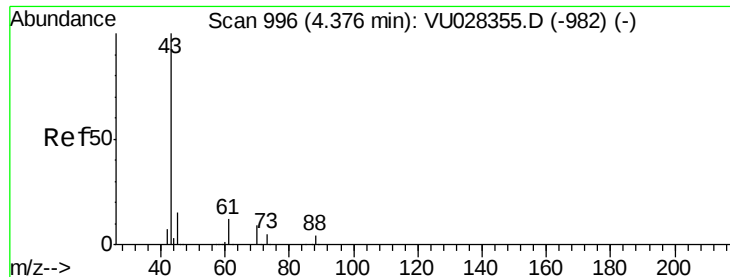


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

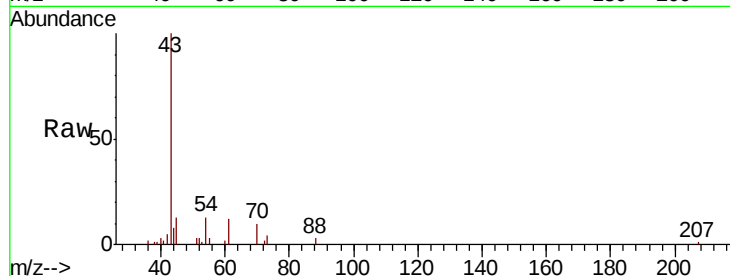




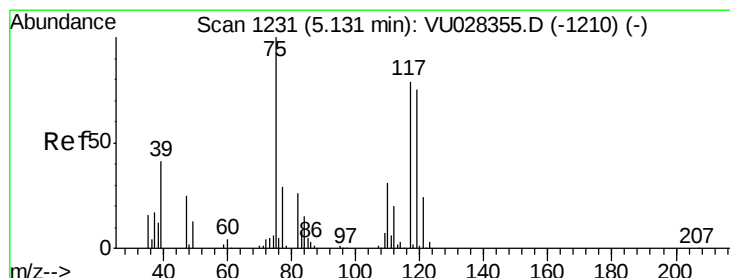
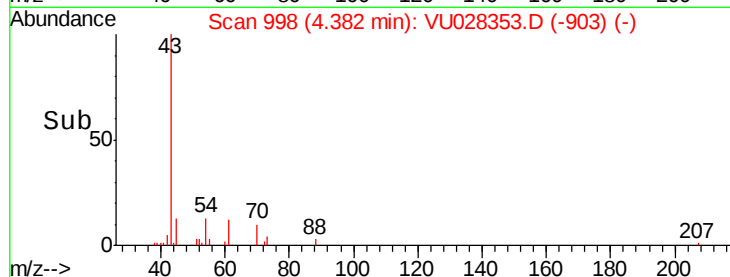
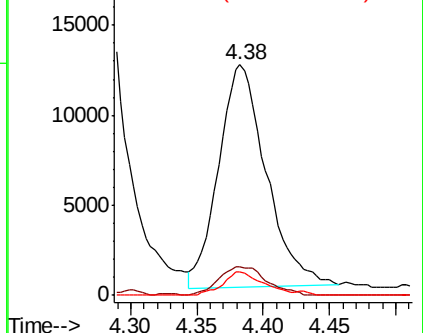
#37
Ethyl Acetate
Concen: 4.890 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.01 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 30988
Ion Ratio Lower Upper
43 100
61 12.8 10.2 15.4
70 8.9 6.9 10.3

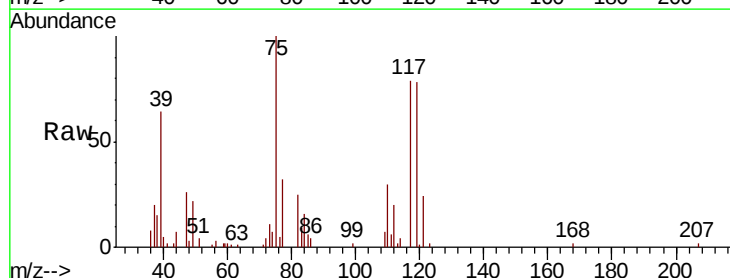


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

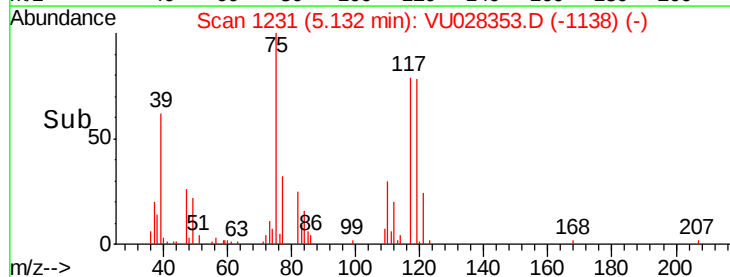
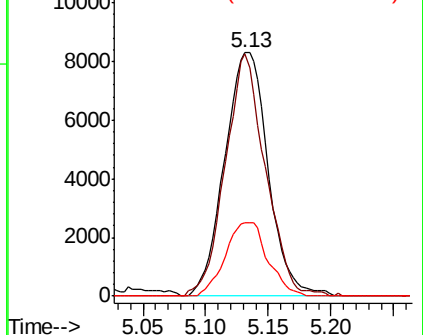


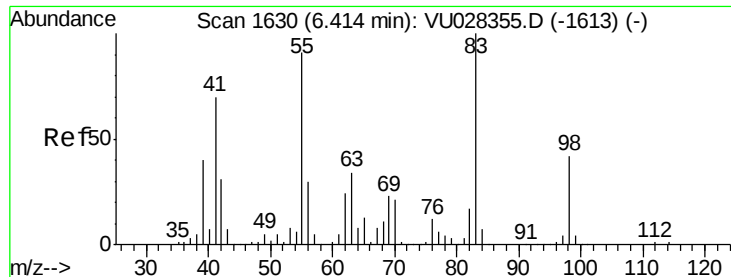
#38
Carbon Tetrachloride
Concen: 5.243 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Tgt Ion: 117 Resp: 20020
Ion Ratio Lower Upper
117 100
119 98.1 76.3 114.5
121 30.0 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

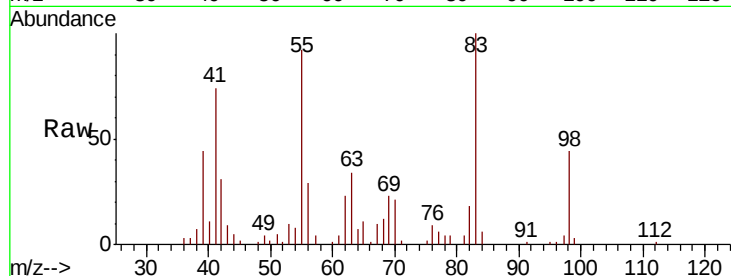




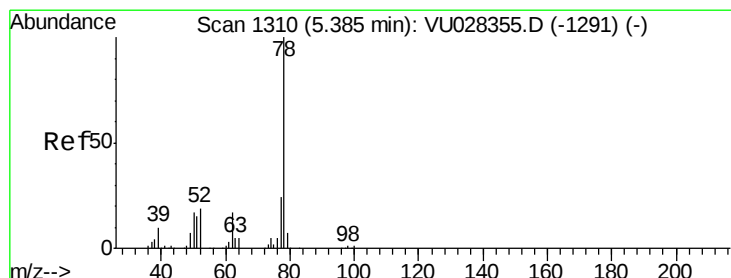
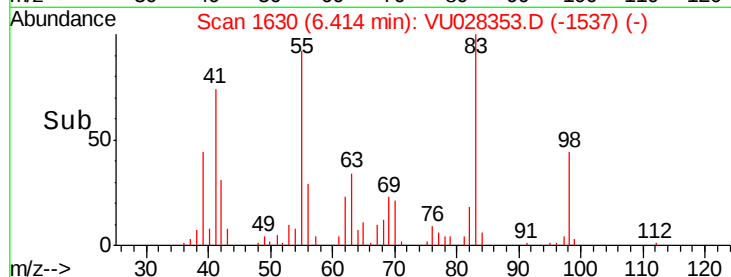
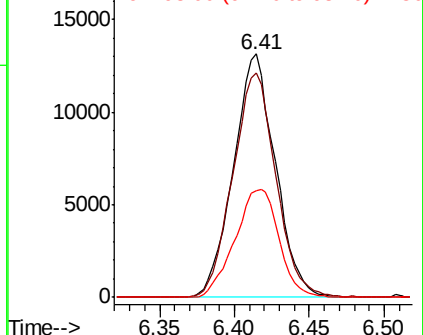
#39
Methylcyclohexane
Concen: 4.666 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion: 83 Resp: 25580
Ion Ratio Lower Upper
83 100
55 92.0 73.1 109.7
98 44.1 33.9 50.9

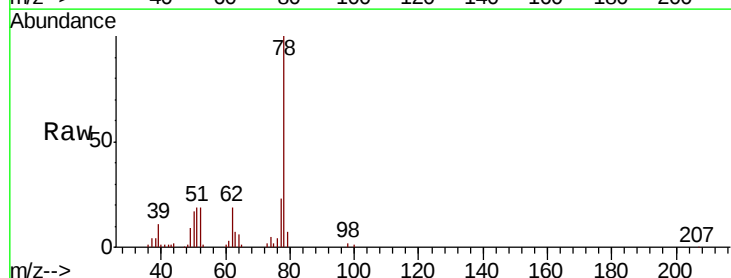


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

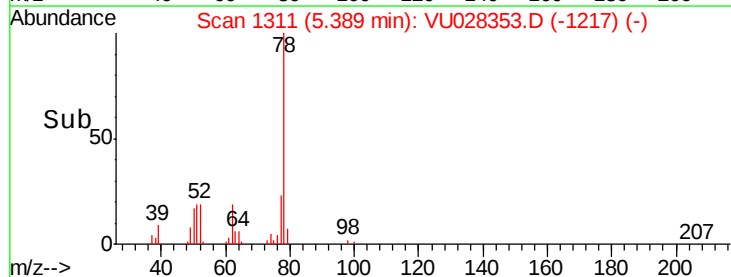
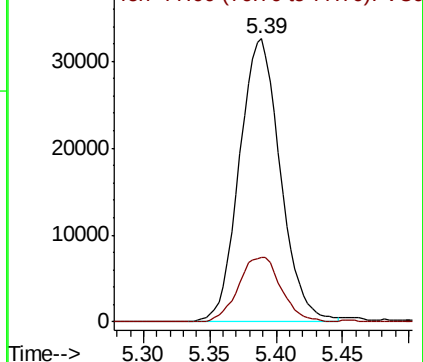


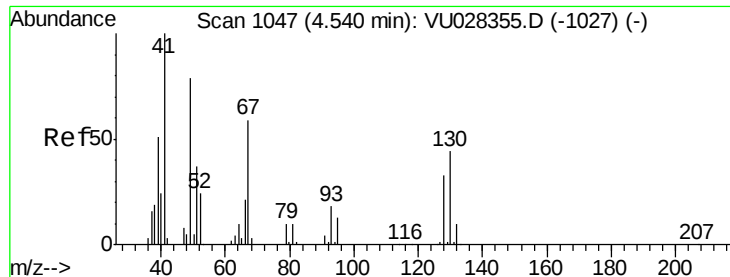
#40
Benzene
Concen: 5.102 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Tgt Ion: 78 Resp: 70268
Ion Ratio Lower Upper
78 100
77 23.0 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

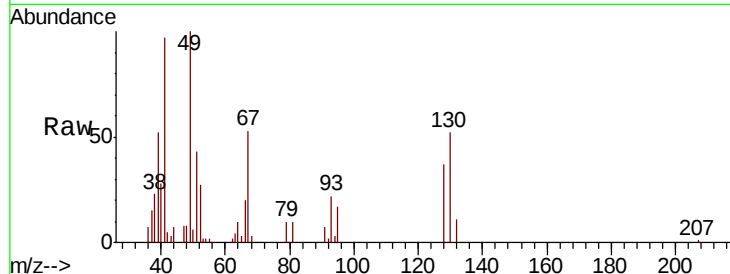




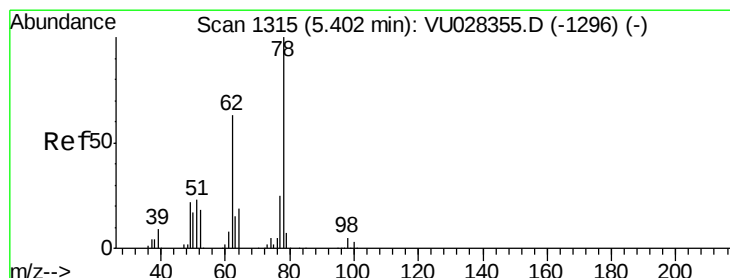
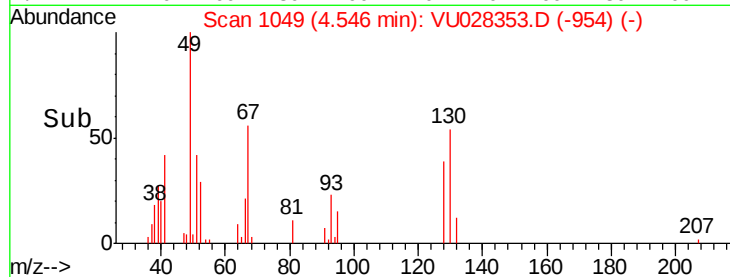
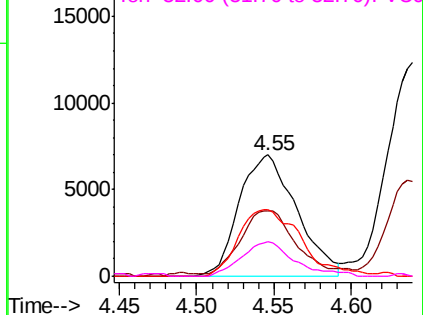
#41
Methacrylonitrile
Concen: 5.111 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.01 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion:	41	Resp:	17986
Ion	Ratio	Lower	Upper
41	100		
39	51.7	41.3	61.9
67	60.1	48.6	73.0
52	26.2	19.4	29.0

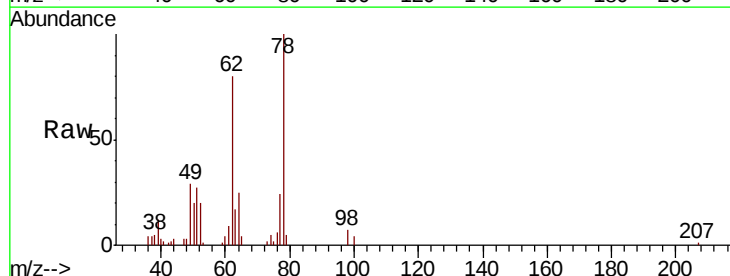


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

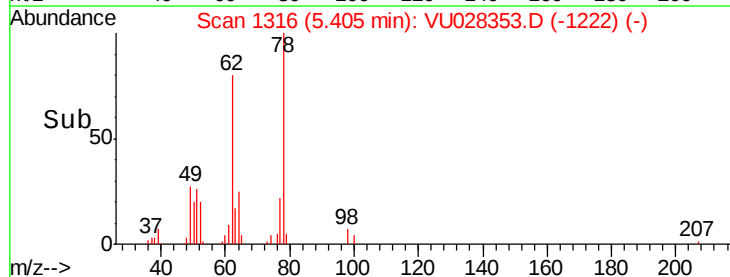
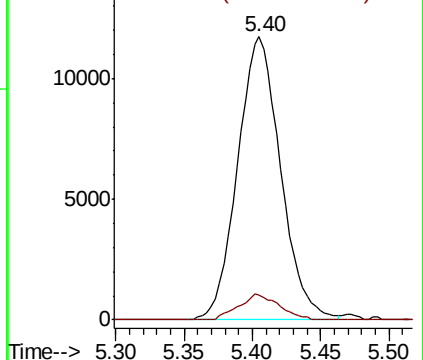


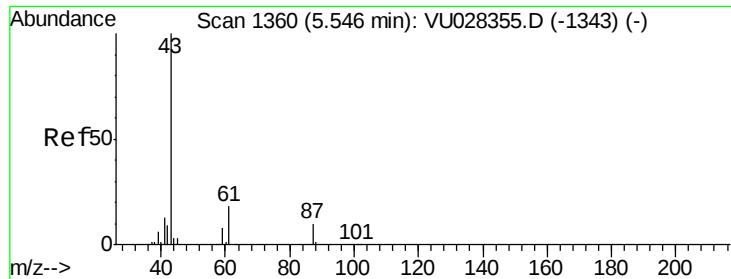
#42
1,2-Dichloroethane
Concen: 5.181 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Tgt Ion:	62	Resp:	25704
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	15.4



Abundance Ion 61.90 (61.60 to 62.60): VU0
Ion 97.90 (97.60 to 98.60): VU0

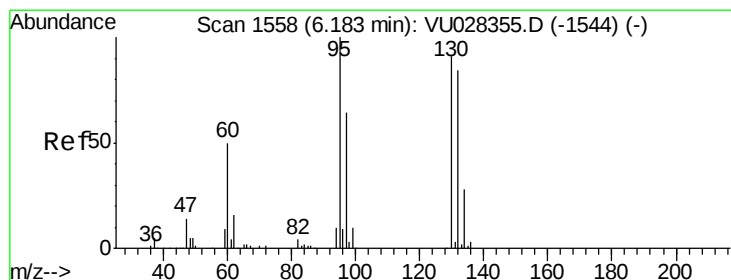
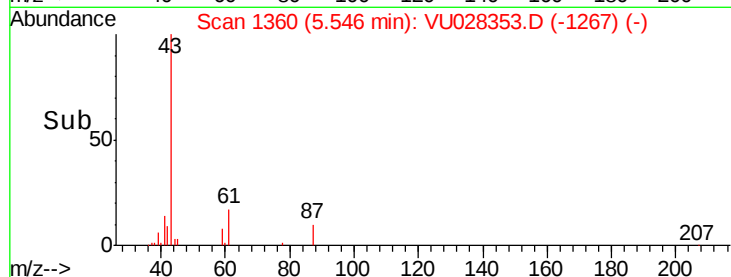
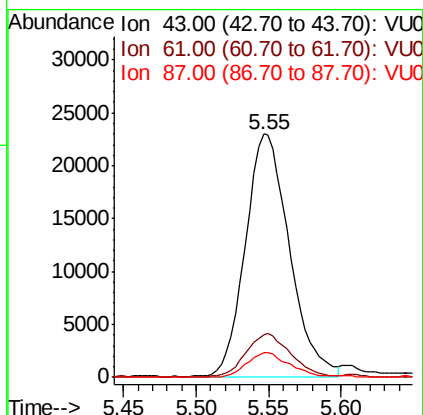
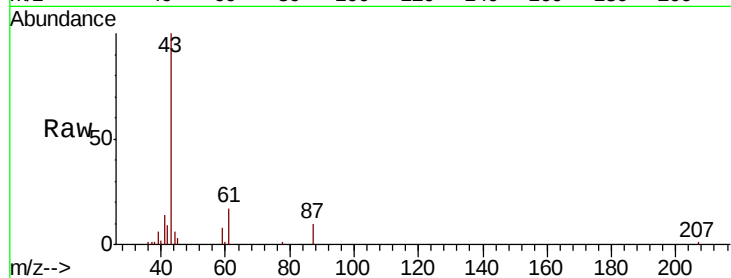




#43
Isopropyl Acetate
Concen: 4.872 ug/l
RT: 5.55 min Scan# 1360
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

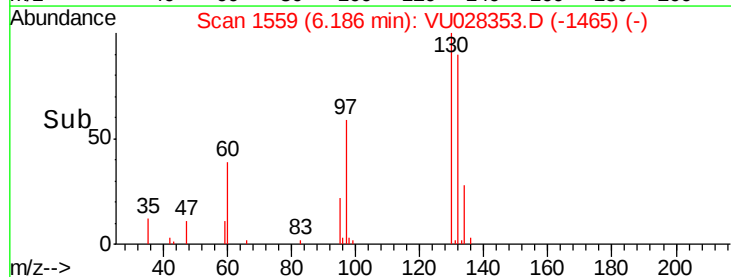
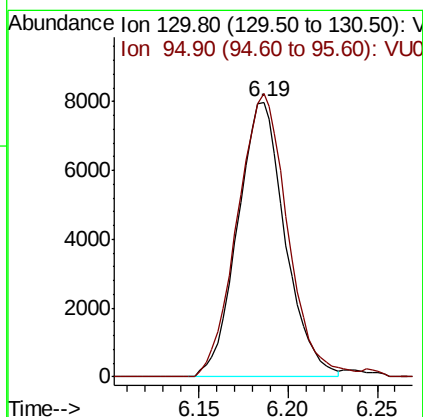
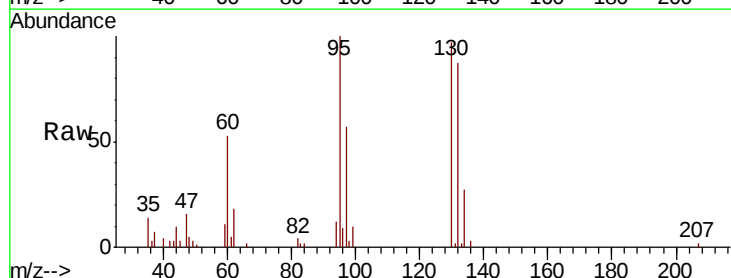
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

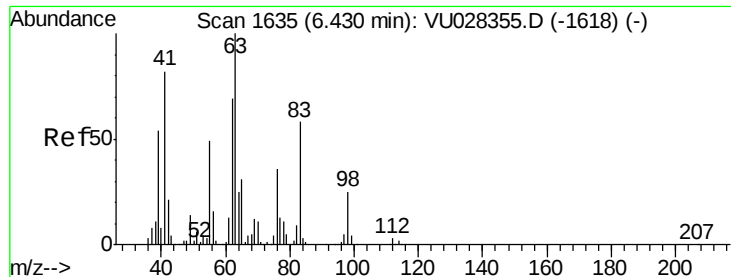
Tgt Ion: 43 Resp: 48924
Ion Ratio Lower Upper
43 100
61 18.2 14.5 21.7
87 9.9 8.4 12.6



#44
Trichloroethene
Concen: 5.039 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Tgt Ion: 130 Resp: 14877
Ion Ratio Lower Upper
130 100
95 103.1 0.0 219.8

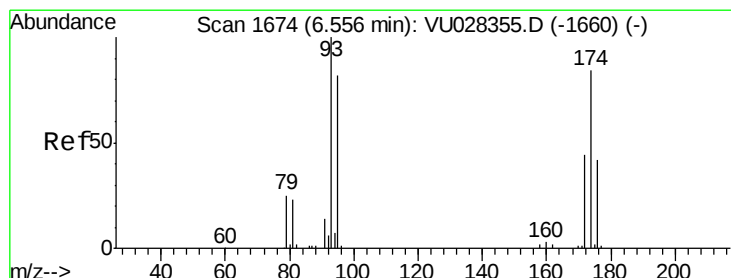
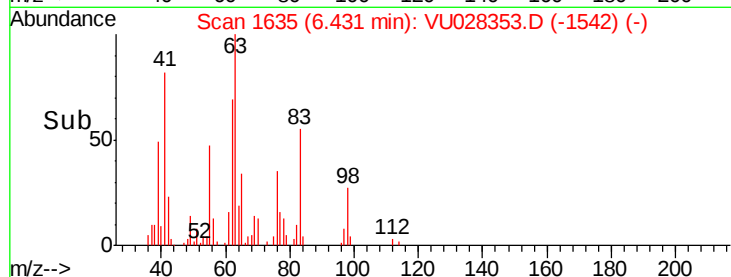
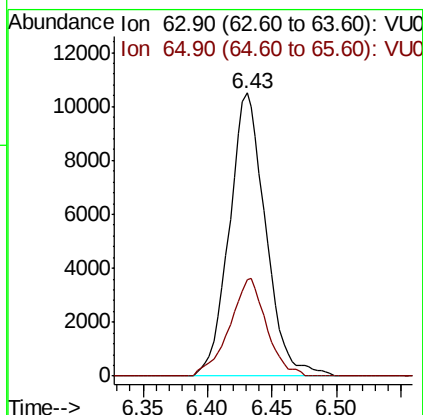
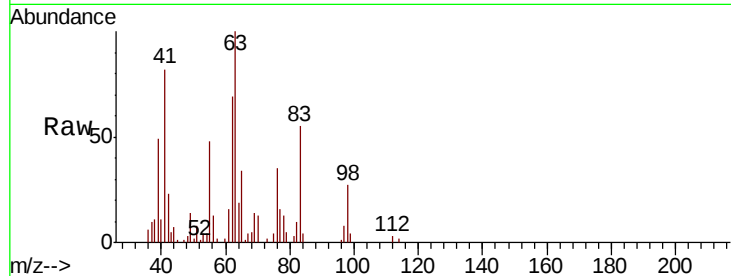




#45
 1,2-Dichloropropane
 Concen: 5.093 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VU028353.D
 Acq: 28 Nov 2018 09:35

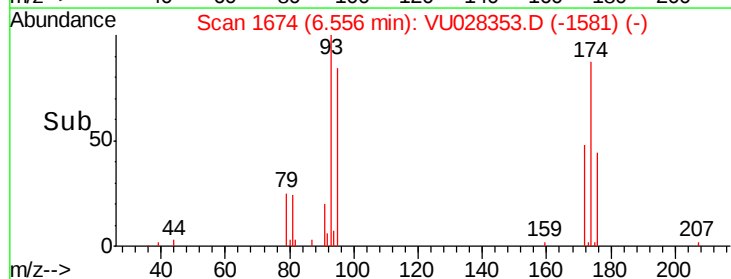
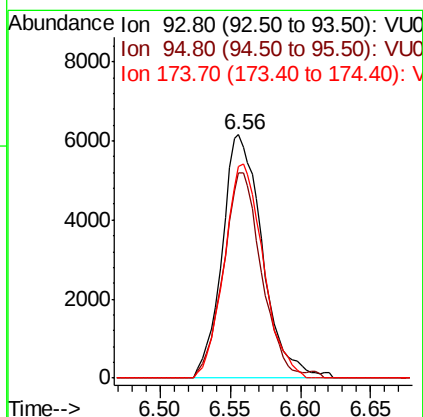
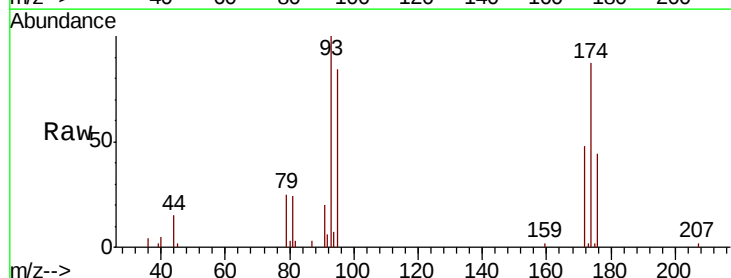
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

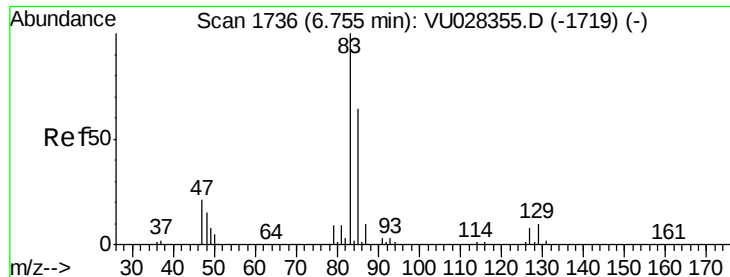
Tgt Ion: 63 Resp: 20543
 Ion Ratio Lower Upper
 63 100
 65 34.1 25.1 37.7



#46
 Dibromomethane
 Concen: 5.292 ug/l
 RT: 6.56 min Scan# 1674
 Delta R.T. 0.00 min
 Lab File: VU028353.D
 Acq: 28 Nov 2018 09:35

Tgt Ion: 93 Resp: 12260
 Ion Ratio Lower Upper
 93 100
 95 79.9 65.1 97.7
 174 85.3 69.9 104.9





#47

Bromodichloromethane

Concen: 5.135 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

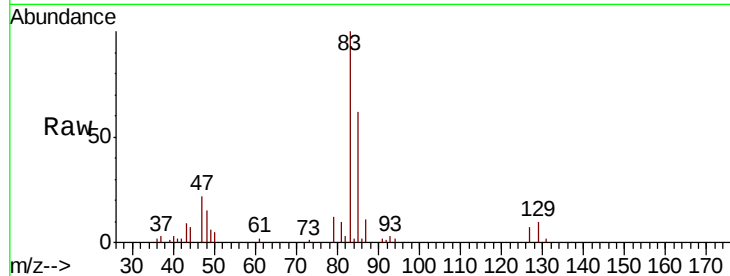
Tgt Ion: 83 Resp: 23661

Ion Ratio Lower Upper

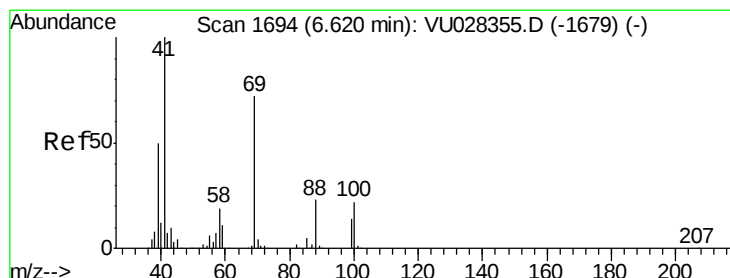
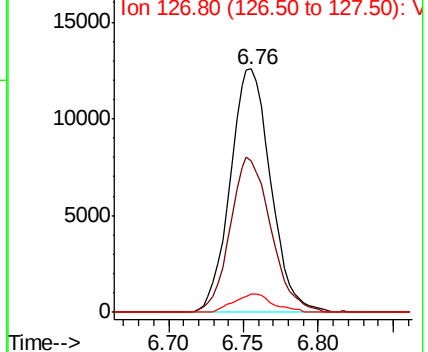
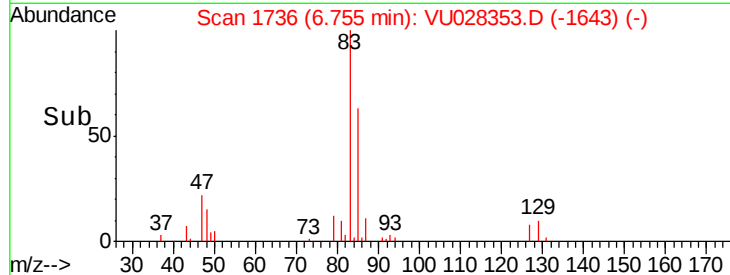
83 100

85 62.3 50.9 76.3

127 7.4 6.2 9.4



Abundance Ion 82.90 (82.60 to 83.60): VU028353.D (-1643) (-)



#48

Methyl methacrylate

Concen: 4.856 ug/l

RT: 6.62 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

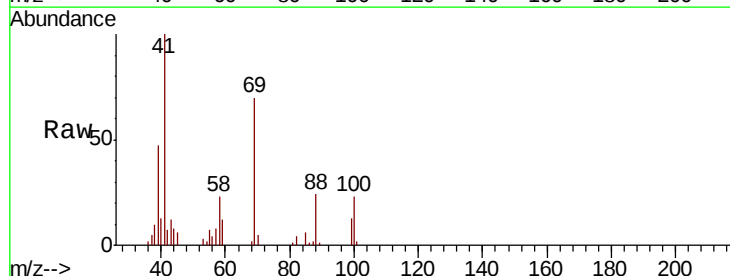
Tgt Ion: 41 Resp: 25400

Ion Ratio Lower Upper

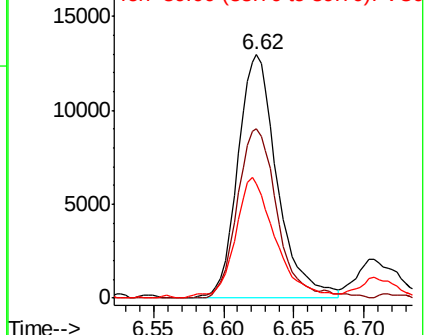
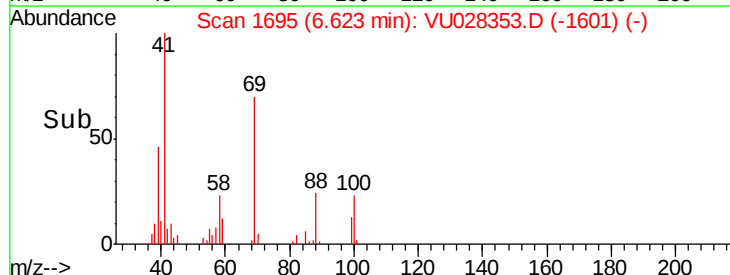
41 100

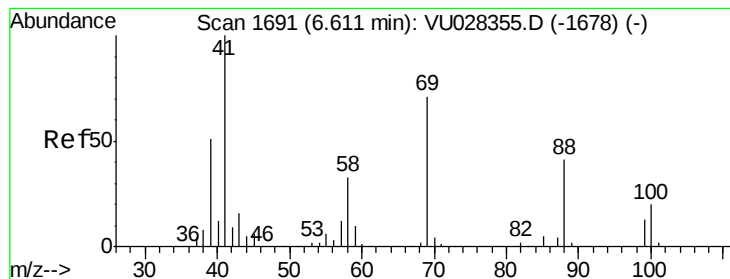
69 70.7 59.0 88.4

39 50.6 40.5 60.7



Abundance Ion 41.00 (40.70 to 41.70): VU028353.D (-1601) (-)





#49

1,4-Dioxane

Concen: 96.654 ug/l

RT: 6.62 min Scan# 1693

Delta R.T. 0.01 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

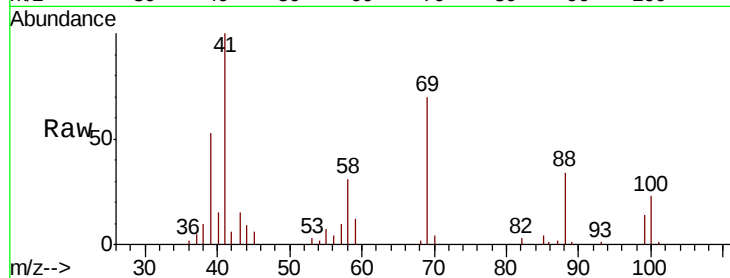
Tgt Ion: 88 Resp: 8077

Ion Ratio Lower Upper

88 100

43 50.0 32.6 48.8#

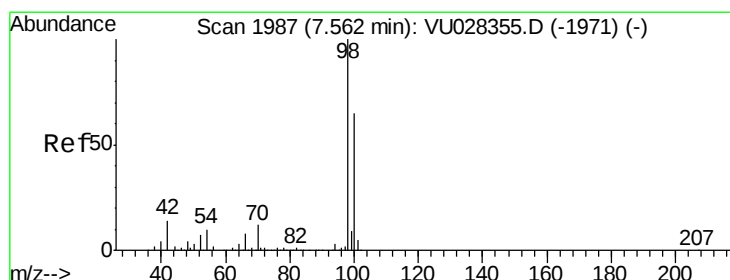
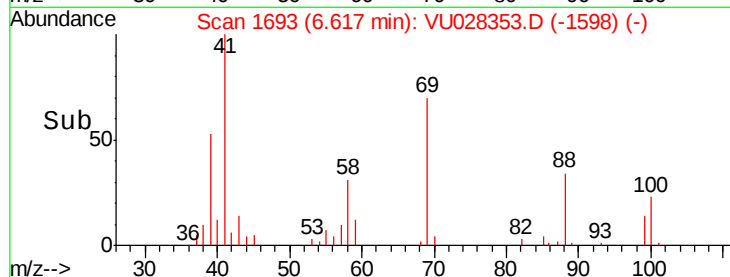
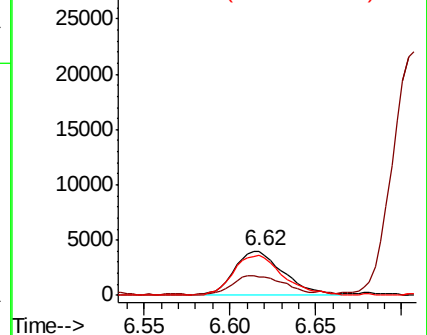
58 89.6 68.7 103.1



Abundance Ion 88.00 (87.70 to 88.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#50

Toluene-d8

Concen: 4.990 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VU028353.D

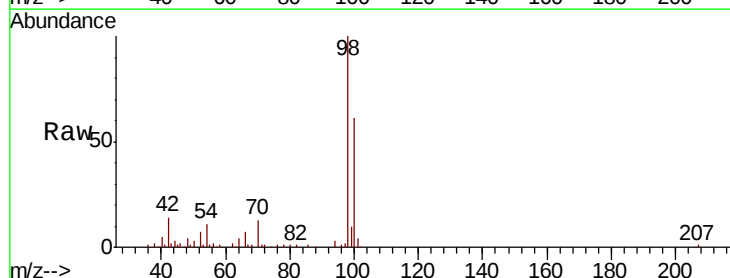
Acq: 28 Nov 2018 09:35

Tgt Ion: 98 Resp: 56390

Ion Ratio Lower Upper

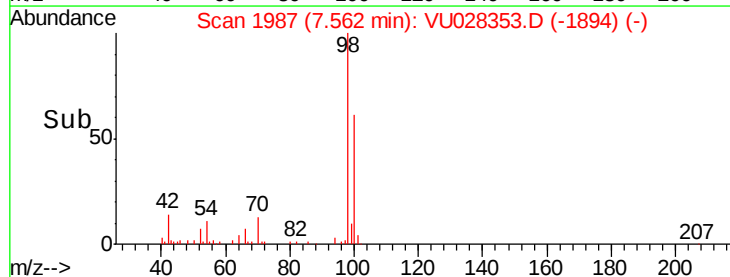
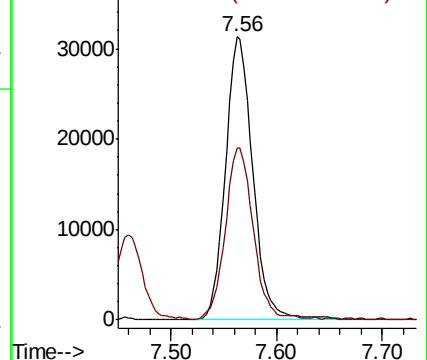
98 100

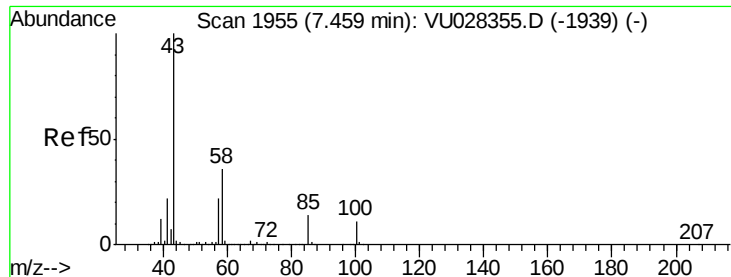
100 62.2 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

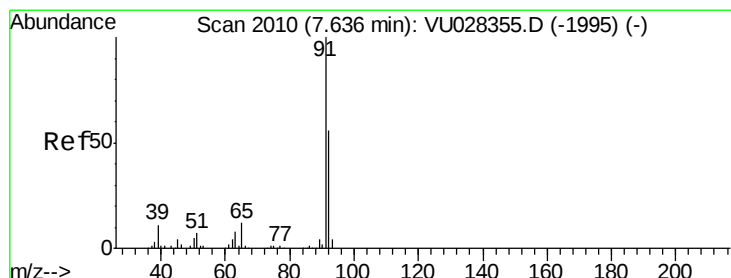
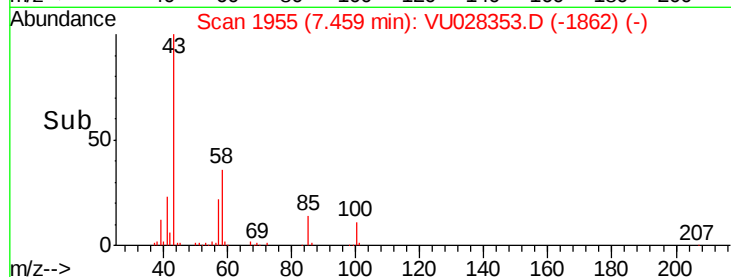
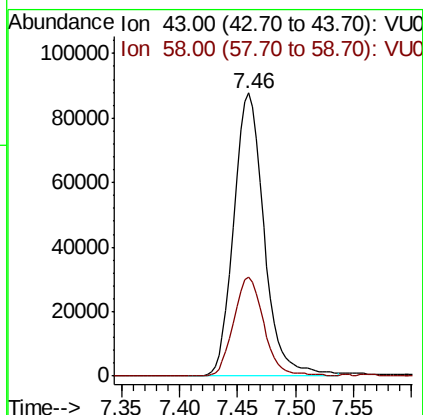
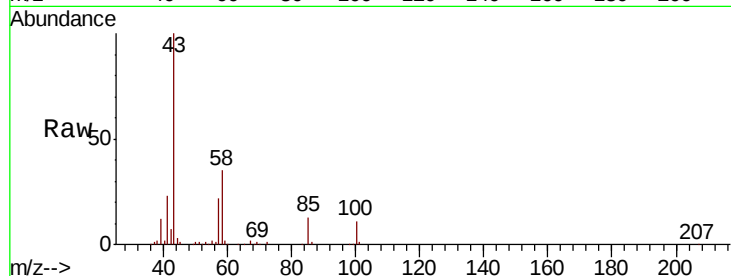




#51
 4-Methyl-2-Pentanone
 Concen: 24.793 ug/l
 RT: 7.46 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VU028353.D
 Acq: 28 Nov 2018 09:35

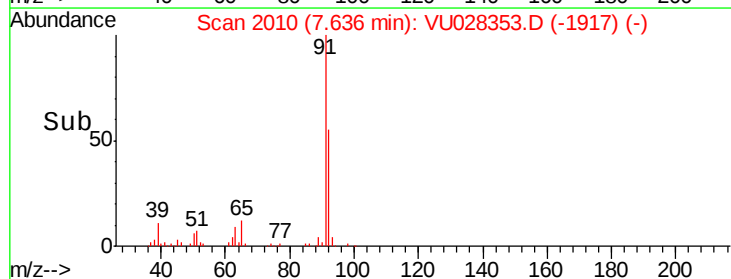
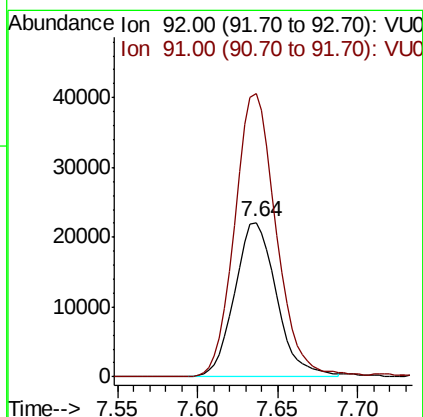
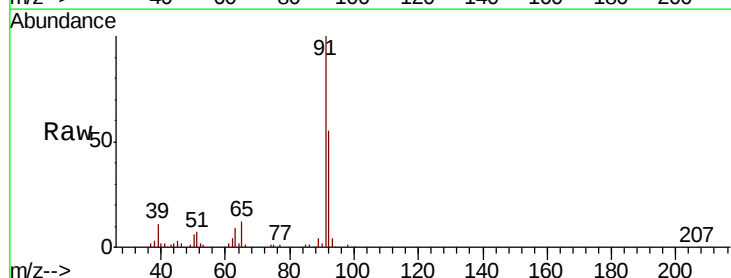
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

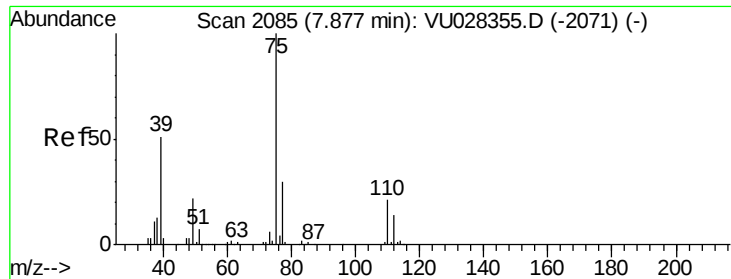
Tgt Ion: 43 Resp: 159020
 Ion Ratio Lower Upper
 43 100
 58 34.9 28.8 43.2



#52
 Toluene
 Concen: 4.981 ug/l
 RT: 7.64 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU028353.D
 Acq: 28 Nov 2018 09:35

Tgt Ion: 92 Resp: 39504
 Ion Ratio Lower Upper
 92 100
 91 181.5 141.8 212.6





#53

t-1,3-Dichloropropene

Concen: 4.976 ug/l

RT: 7.88 min Scan# 2086

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

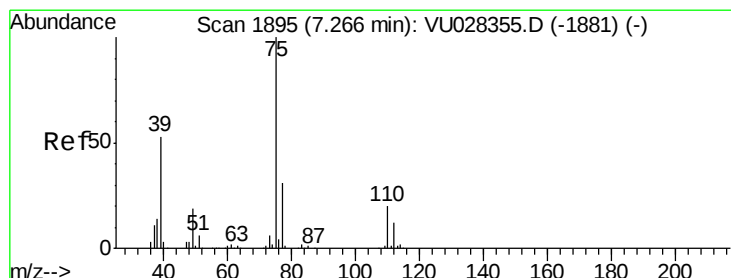
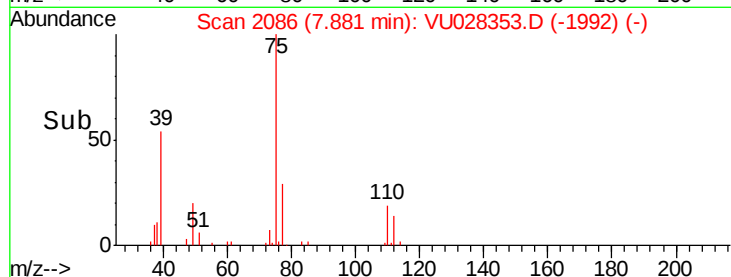
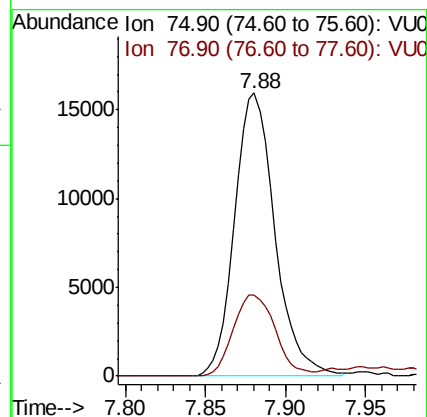
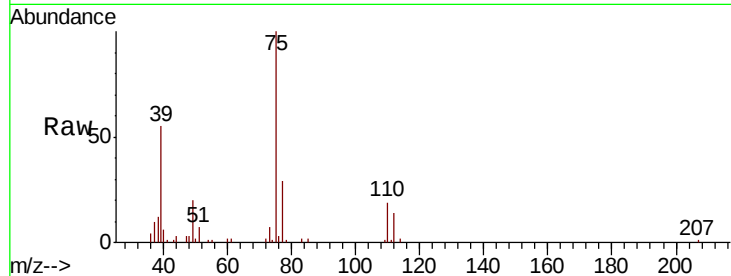
VSTDIC005

Tgt Ion: 75 Resp: 27416

Ion Ratio Lower Upper

75 100

77 28.5 24.1 36.1



#54

cis-1,3-Dichloropropene

Concen: 4.972 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

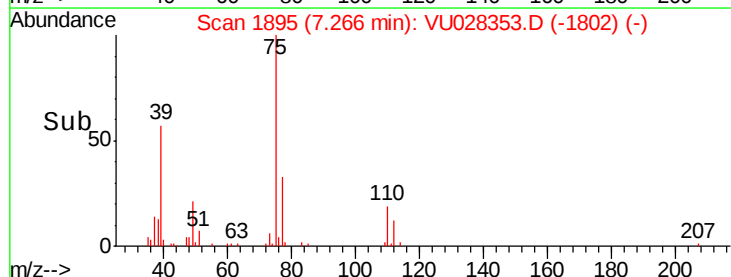
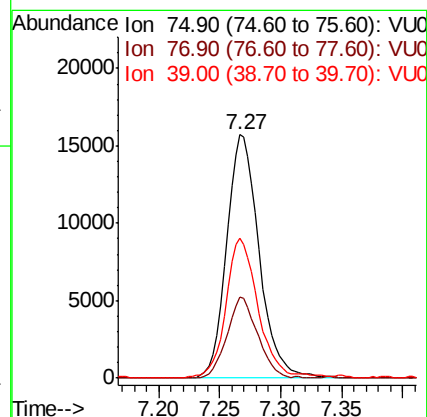
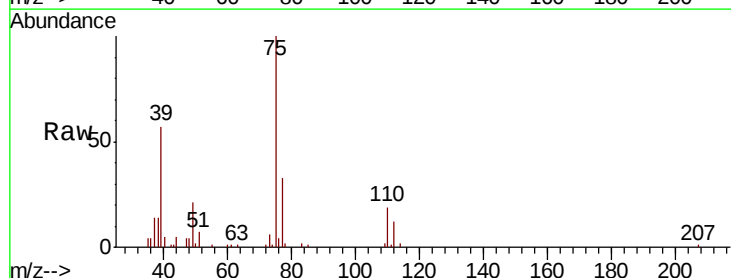
Tgt Ion: 75 Resp: 29350

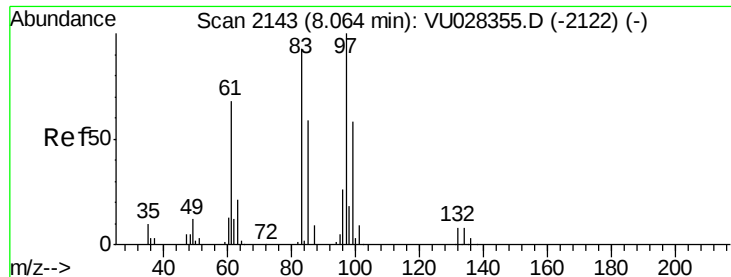
Ion Ratio Lower Upper

75 100

77 33.1 24.9 37.3

39 56.5 42.6 64.0

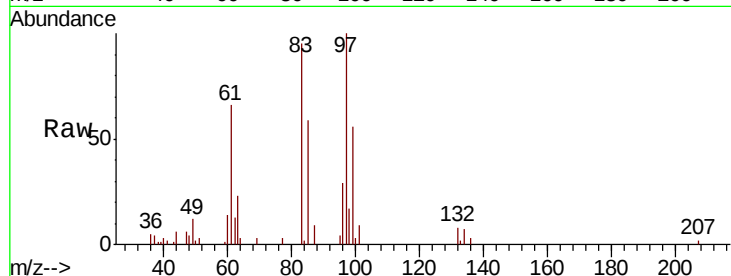




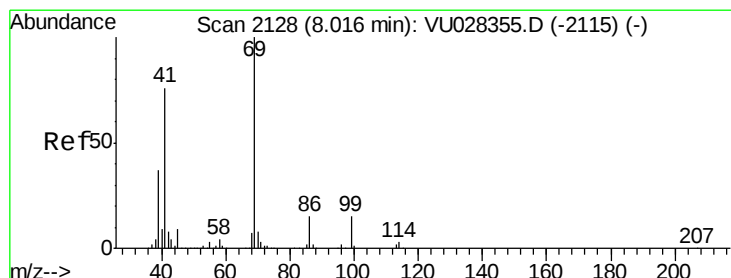
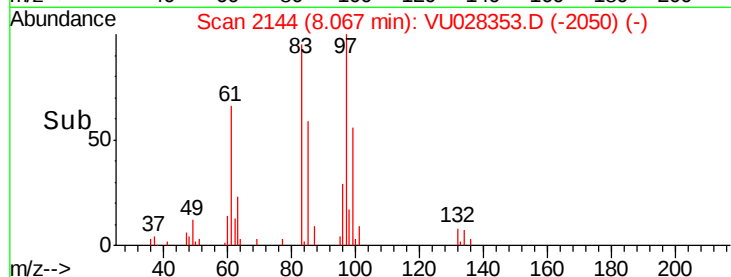
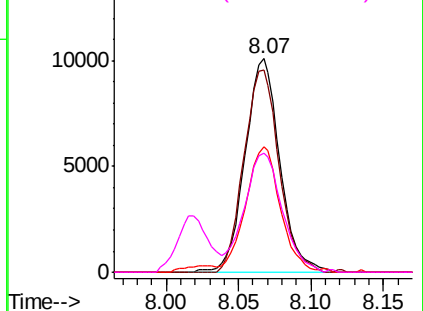
#55
 1,1,2-Trichloroethane
 Concen: 5.106 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028353.D
 Acq: 28 Nov 2018 09:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion:	97	Resp:	16854
Ion	Ratio	Lower	Upper
97	100		
83	94.8	74.3	111.5
85	59.0	47.2	70.8
99	56.0	48.9	73.3

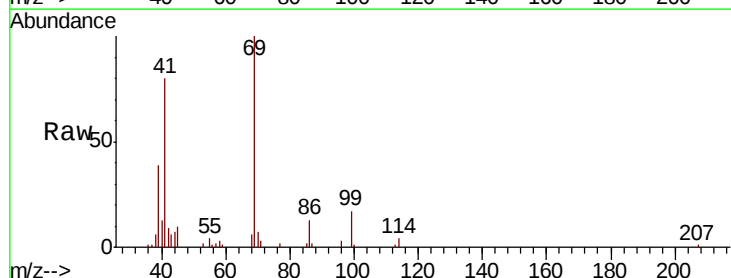


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

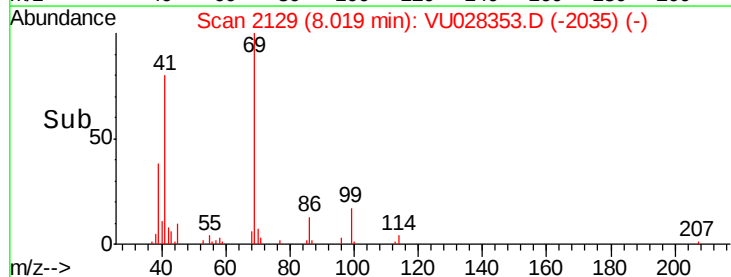
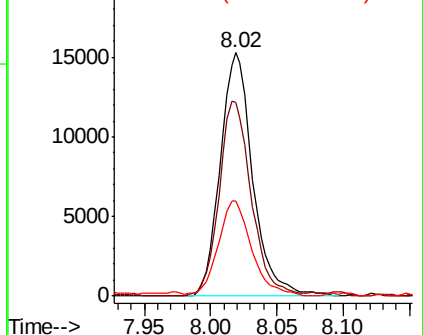


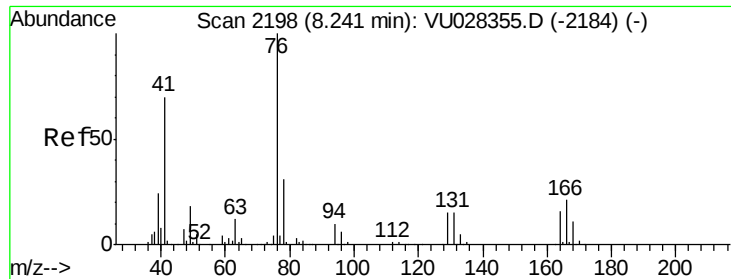
#56
 Ethyl methacrylate
 Concen: 4.645 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU028353.D
 Acq: 28 Nov 2018 09:35

Tgt Ion:	69	Resp:	26085
Ion	Ratio	Lower	Upper
69	100		
41	79.1	60.0	90.0
39	40.3	29.0	43.6



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

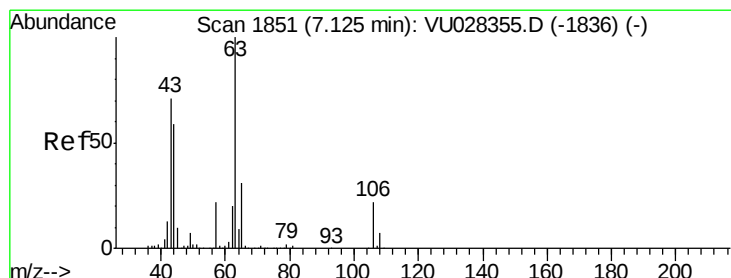
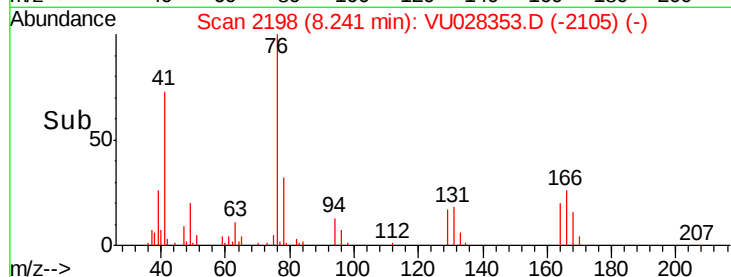
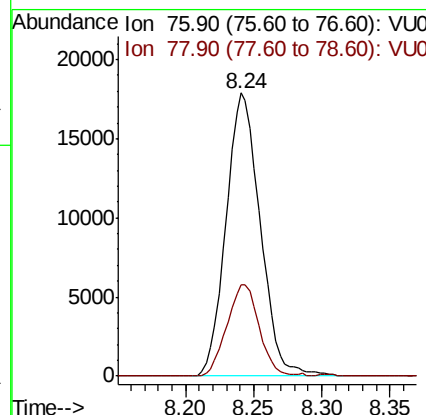
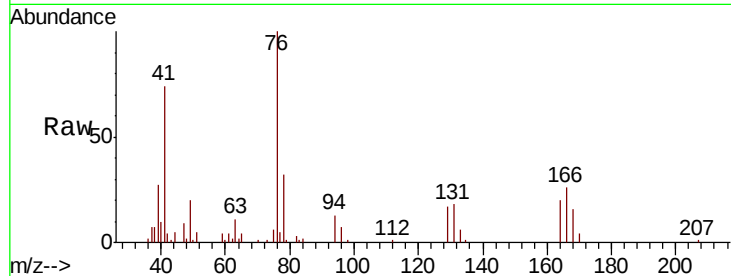




#57
 1,3-Dichloropropane
 Concen: 5.148 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU028353.D
 Acq: 28 Nov 2018 09:35

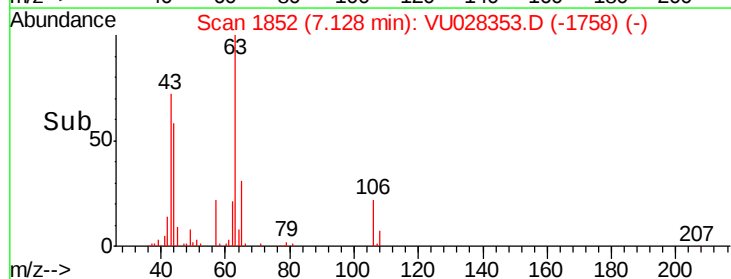
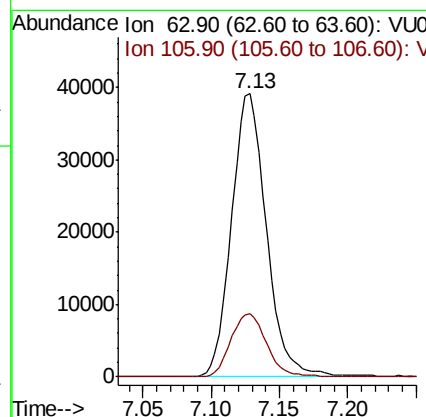
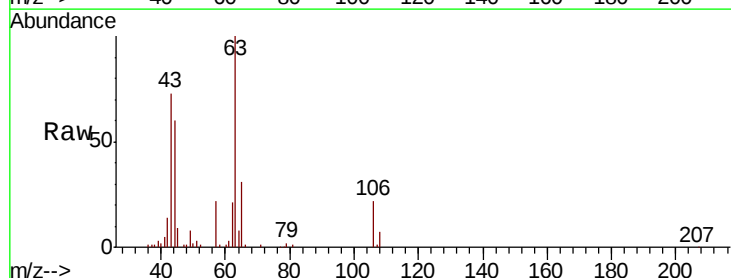
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

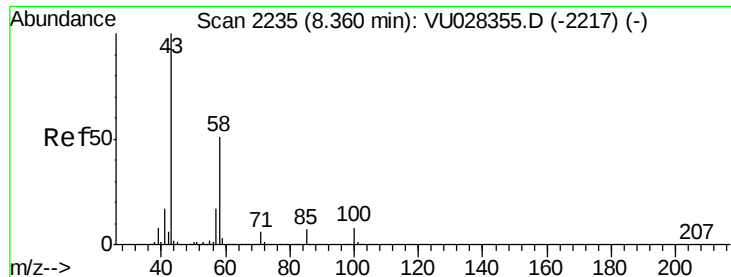
Tgt Ion: 76 Resp: 31159
 Ion Ratio Lower Upper
 76 100
 78 30.6 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 23.026 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VU028353.D
 Acq: 28 Nov 2018 09:35

Tgt Ion: 63 Resp: 69418
 Ion Ratio Lower Upper
 63 100
 106 22.9 17.3 25.9

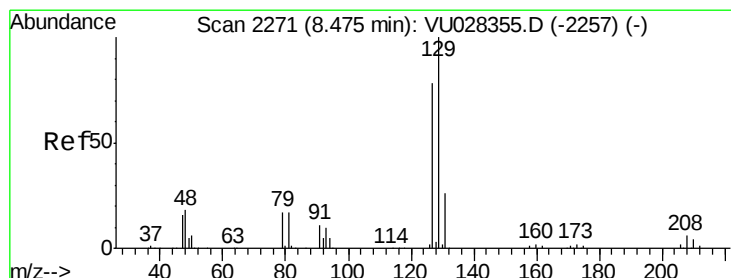
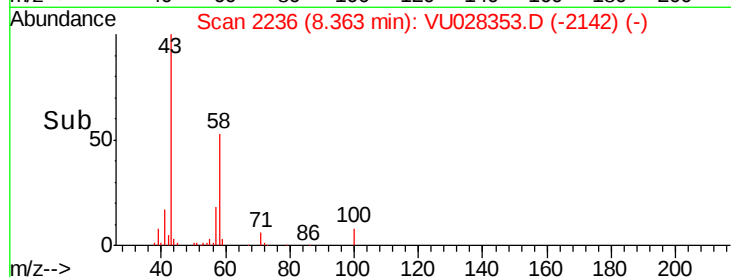
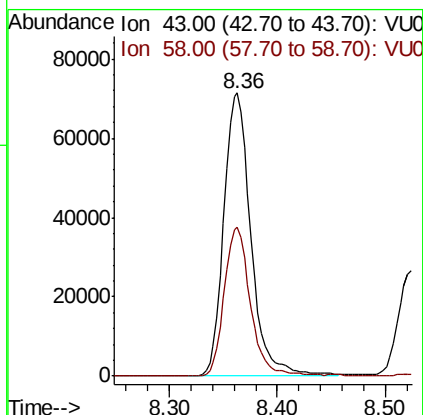
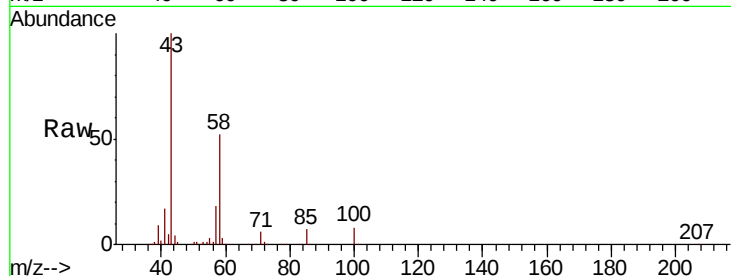




#59
2-Hexanone
Concen: 25.034 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

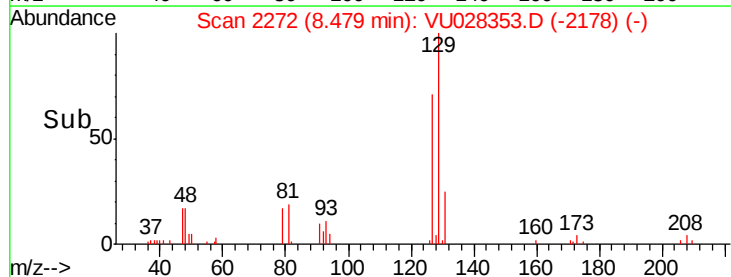
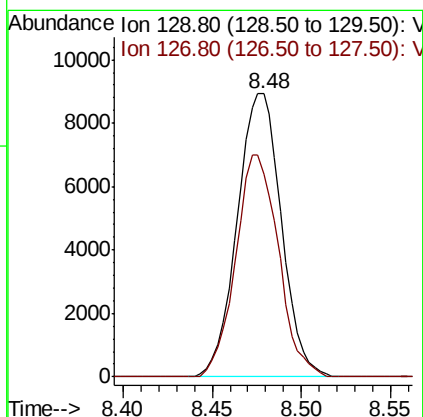
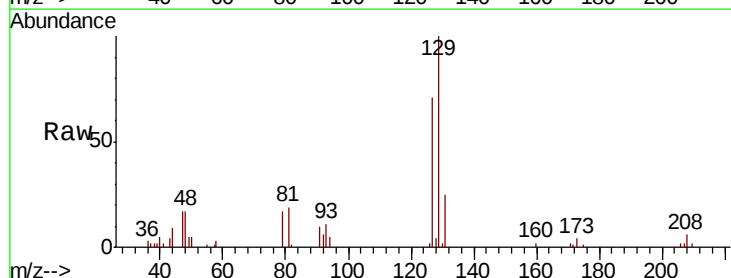
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

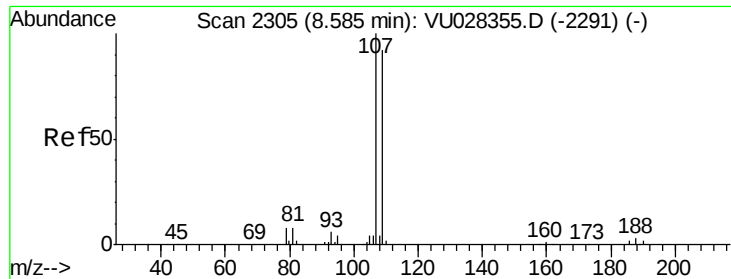
Tgt Ion: 43 Resp: 124373
Ion Ratio Lower Upper
43 100
58 51.1 25.5 76.5



#60
Dibromochloromethane
Concen: 4.920 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Tgt Ion: 129 Resp: 15446
Ion Ratio Lower Upper
129 100
127 76.0 38.9 116.7





#61

1,2-Dibromoethane

Concen: 4.989 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

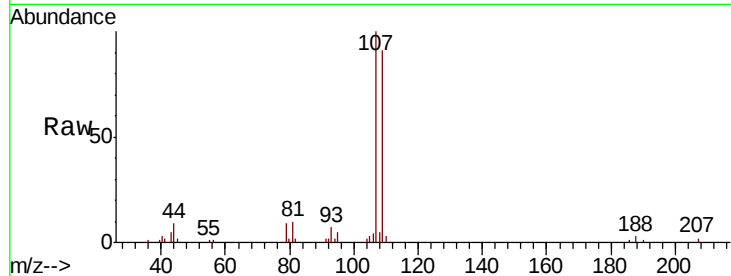
VSTDIC005

Tgt Ion: 107 Resp: 16867

Ion Ratio Lower Upper

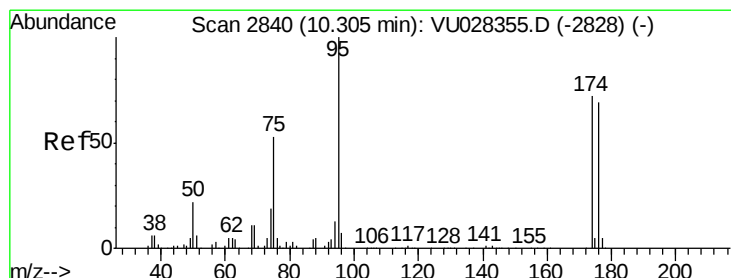
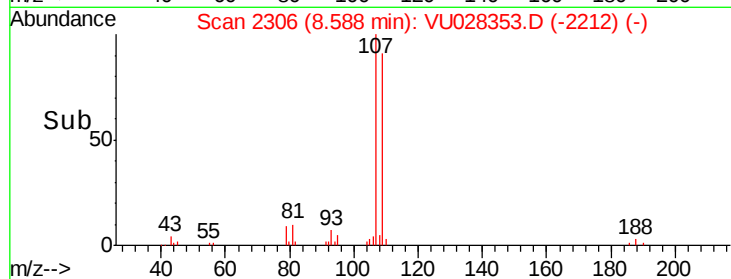
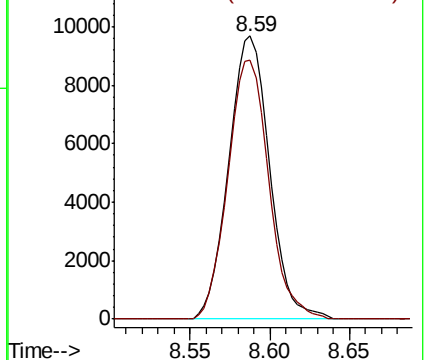
107 100

109 91.6 73.2 109.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 4.655 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

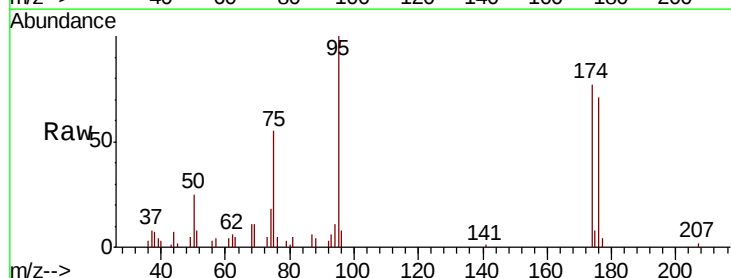
Tgt Ion: 95 Resp: 18960

Ion Ratio Lower Upper

95 100

174 75.4 0.0 145.4

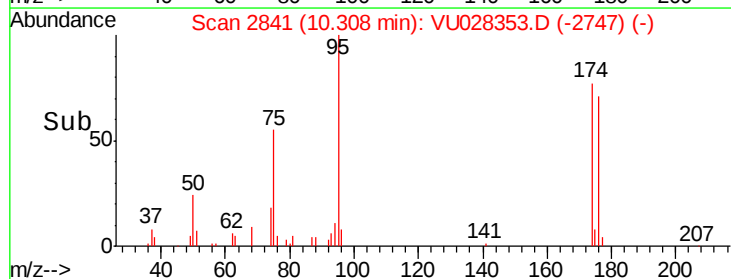
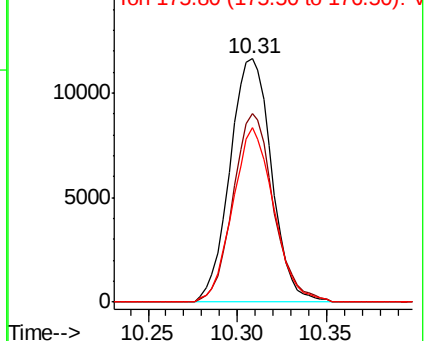
176 70.8 0.0 140.8

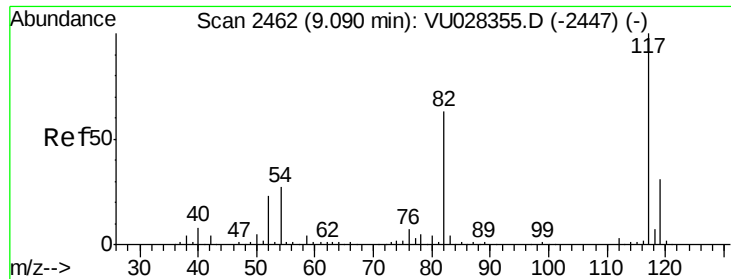


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

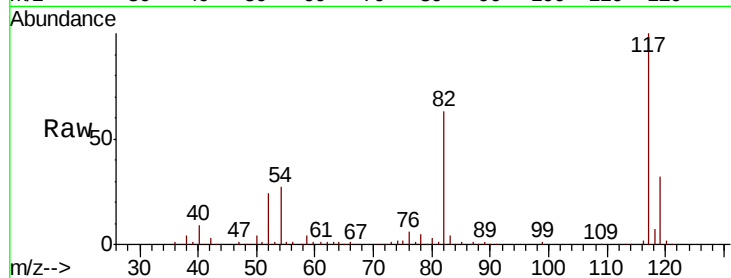




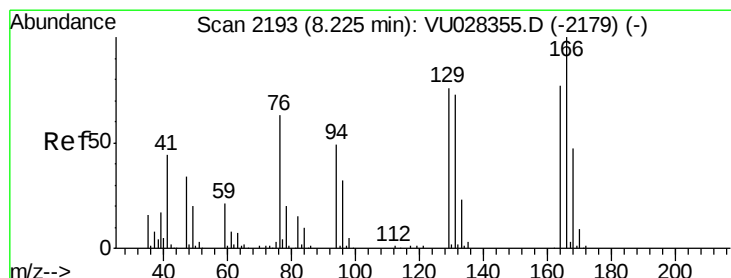
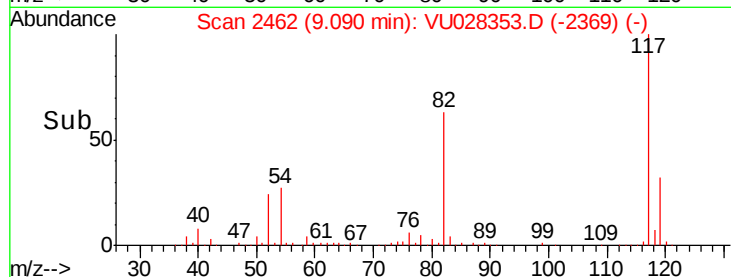
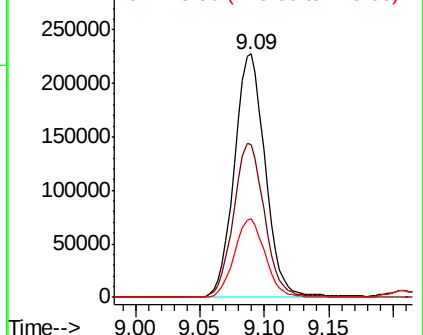
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tgt Ion:117 Resp: 378749
Ion Ratio Lower Upper
117 100
82 62.7 50.3 75.5
119 32.0 24.8 37.2

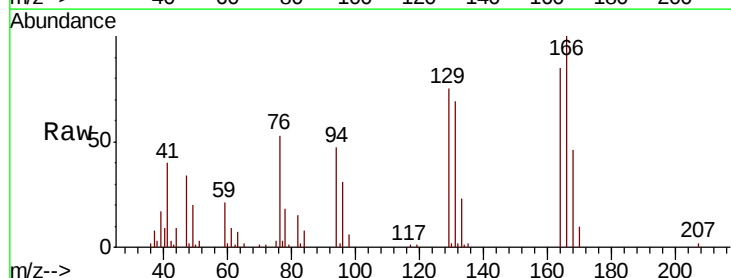


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

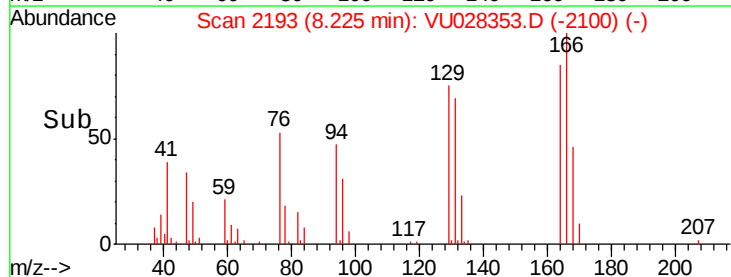
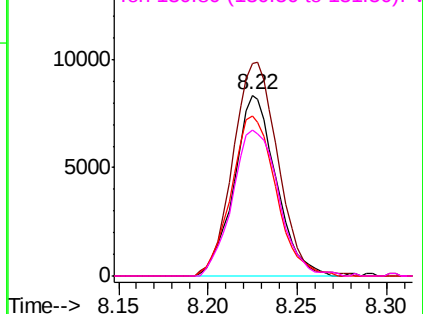


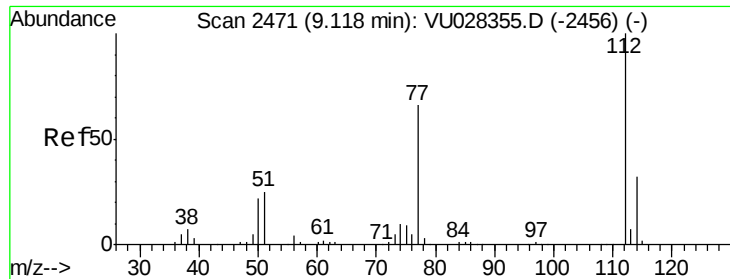
#64
Tetrachloroethene
Concen: 5.492 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Tgt Ion:164 Resp: 13683
Ion Ratio Lower Upper
164 100
166 117.7 104.0 156.0
129 88.7 79.2 118.8
131 80.9 75.7 113.5



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

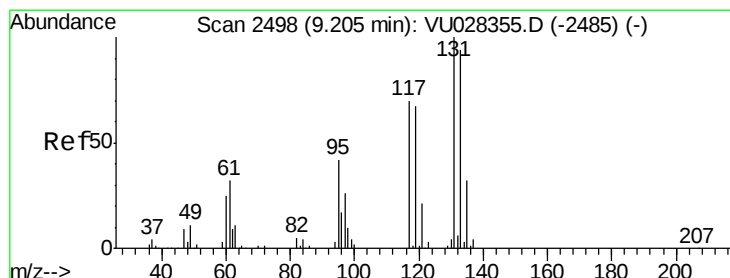
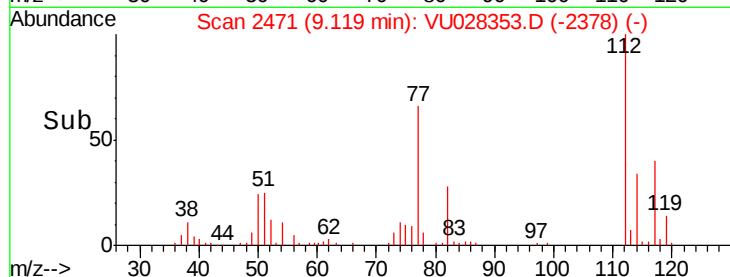
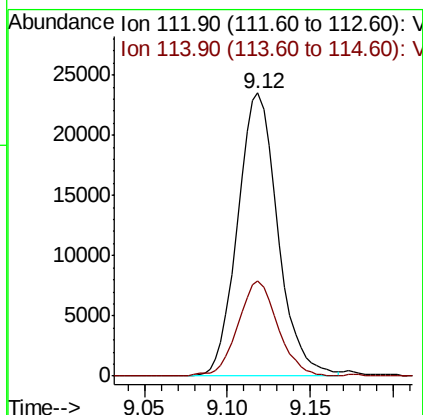
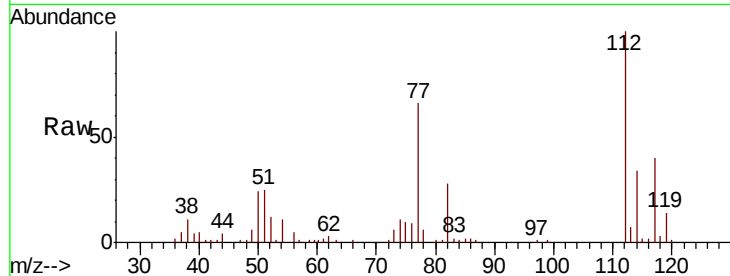




#65
Chlorobenzene
Concen: 5.047 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

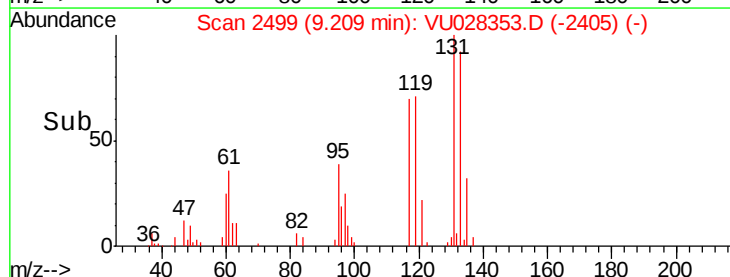
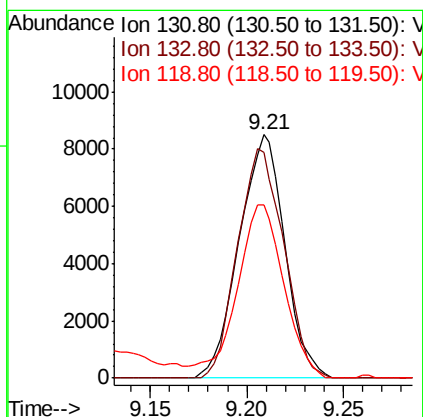
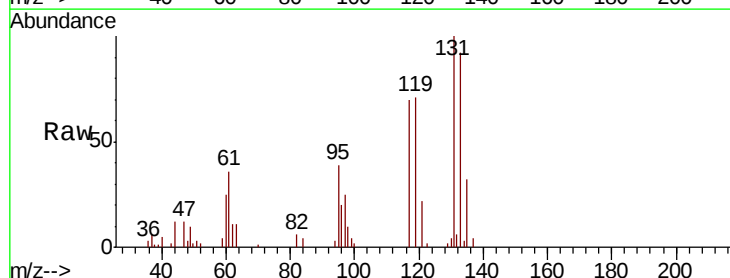
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

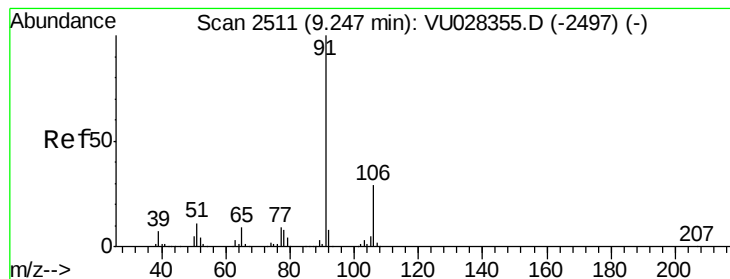
Tgt Ion:112 Resp: 39694
Ion Ratio Lower Upper
112 100
114 33.7 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 5.164 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Tgt Ion:131 Resp: 13920
Ion Ratio Lower Upper
131 100
133 95.3 47.3 141.8
119 73.2 34.1 102.2





#67

Ethyl Benzene

Concen: 4.899 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

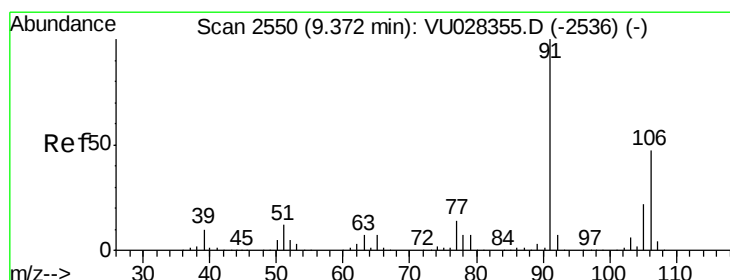
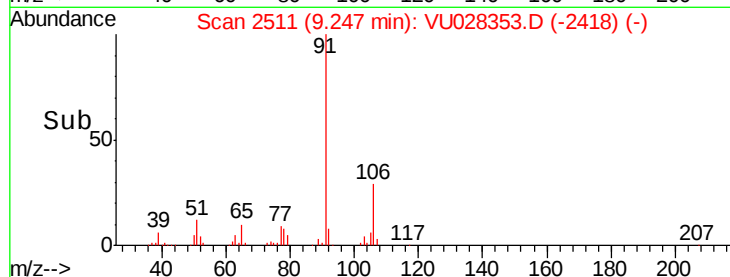
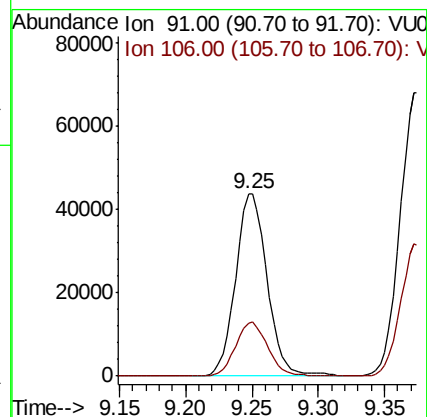
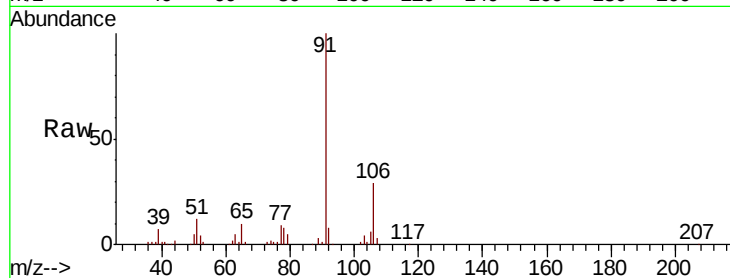
VSTDIC005

Tgt Ion: 91 Resp: 72564

Ion Ratio Lower Upper

91 100

106 29.4 23.3 34.9



#68

m/p-Xylenes

Concen: 9.798 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VU028353.D

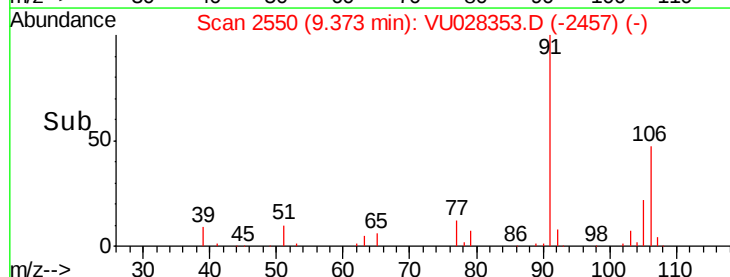
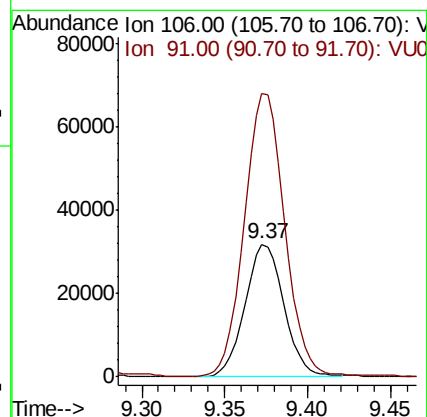
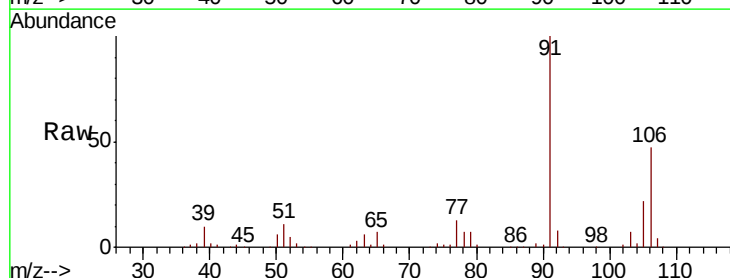
Acq: 28 Nov 2018 09:35

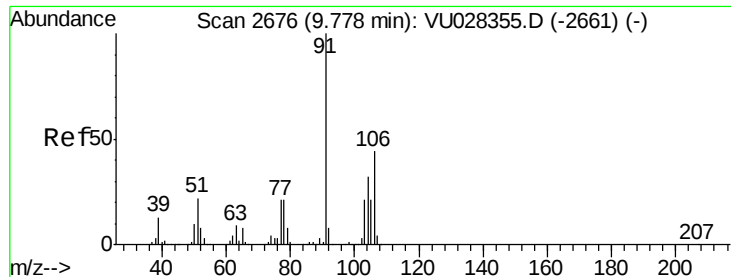
Tgt Ion: 106 Resp: 52238

Ion Ratio Lower Upper

106 100

91 219.3 171.0 256.6

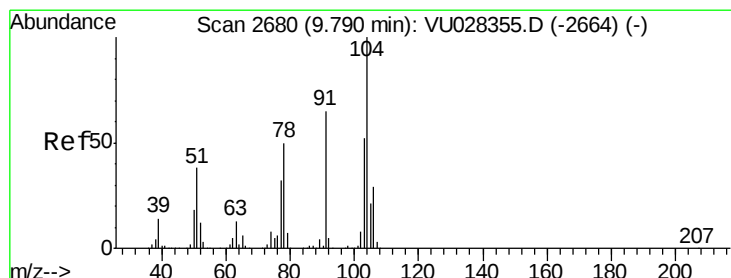
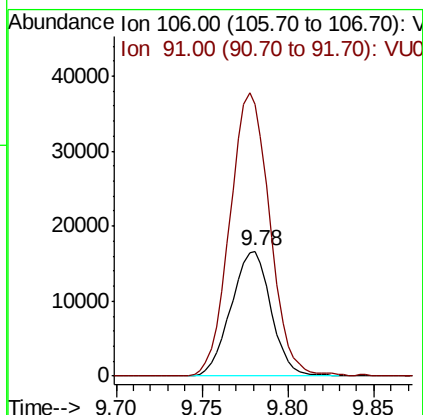
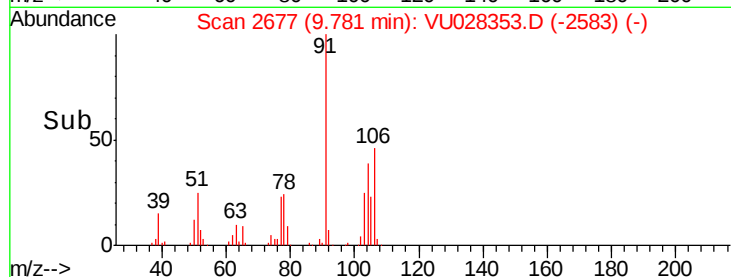
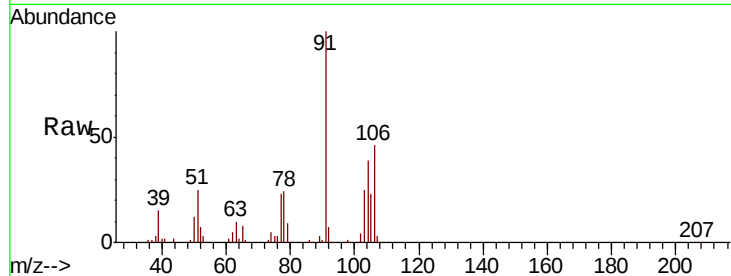




#69
o-Xylene
Concen: 5.053 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

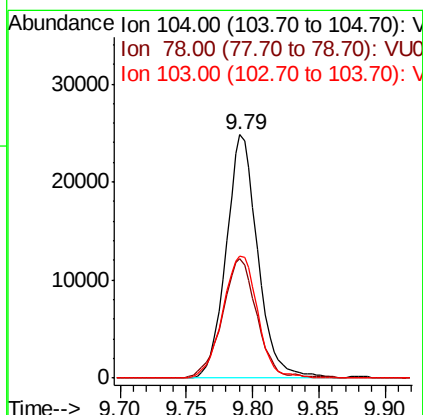
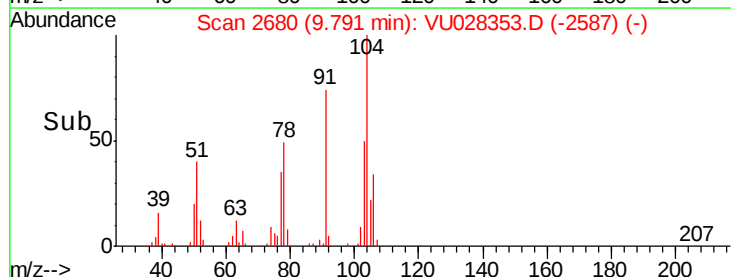
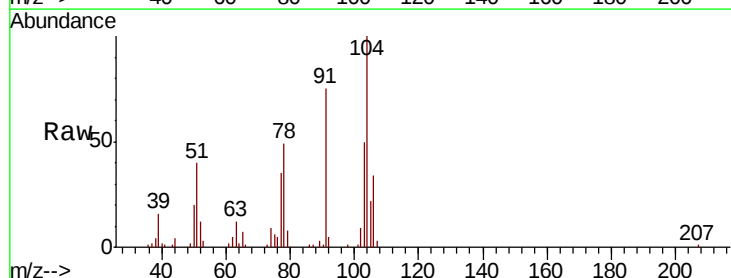
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

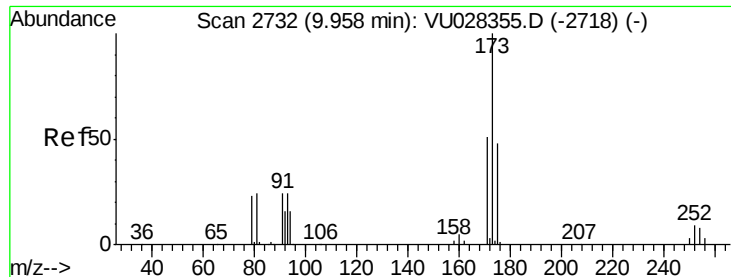
Tgt Ion:106 Resp: 26781
Ion Ratio Lower Upper
106 100
91 226.8 112.7 338.0



#70
Styrene
Concen: 4.795 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Tgt Ion:104 Resp: 40989
Ion Ratio Lower Upper
104 100
78 54.0 43.3 64.9
103 55.5 44.8 67.2





#71

Bromoform

Concen: 5.008 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

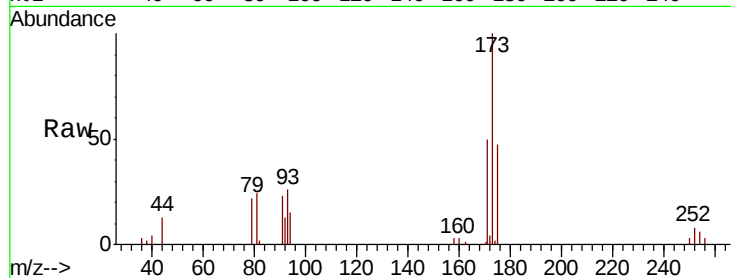
Tgt Ion:173 Resp: 11347

Ion Ratio Lower Upper

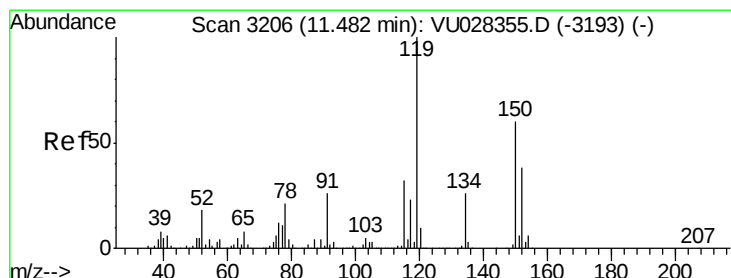
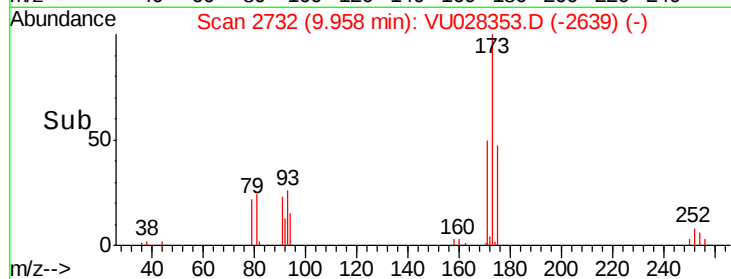
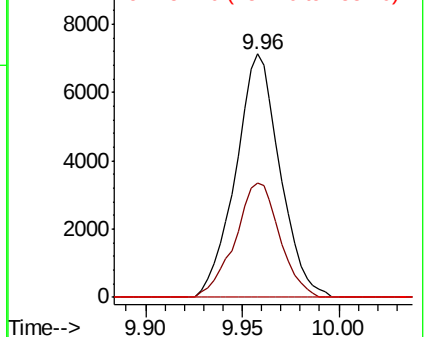
173 100

175 47.3 24.1 72.4

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

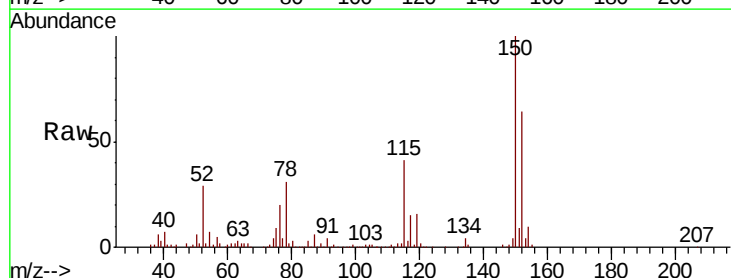
Tgt Ion:152 Resp: 169704

Ion Ratio Lower Upper

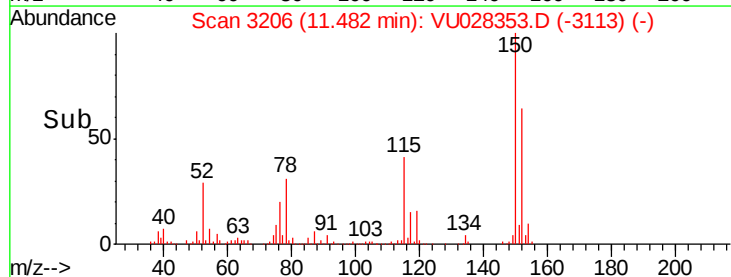
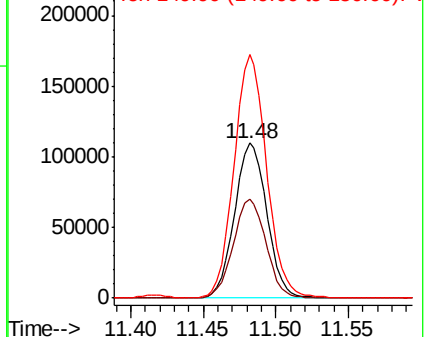
152 100

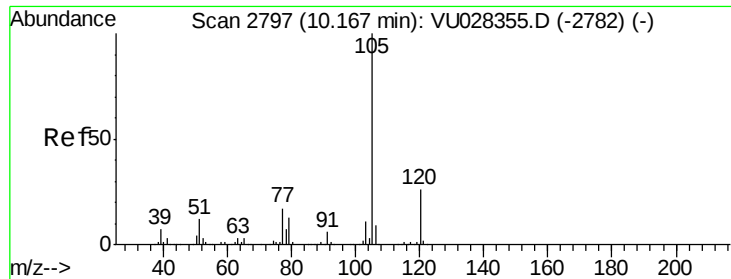
115 64.4 45.0 134.8

150 157.4 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.182 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

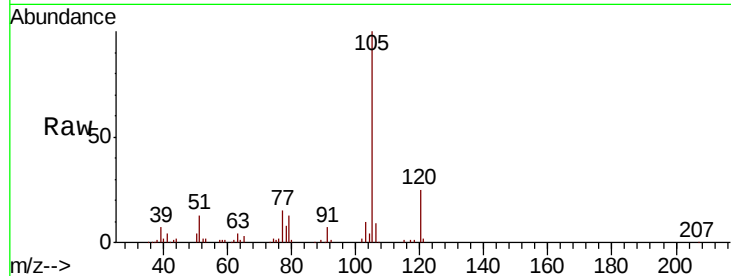
VSTDIC005

Tgt Ion: 105 Resp: 68391

Ion Ratio Lower Upper

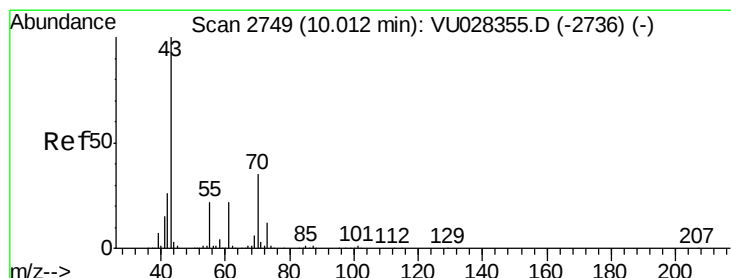
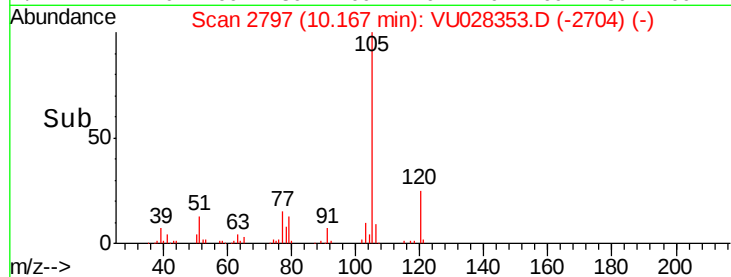
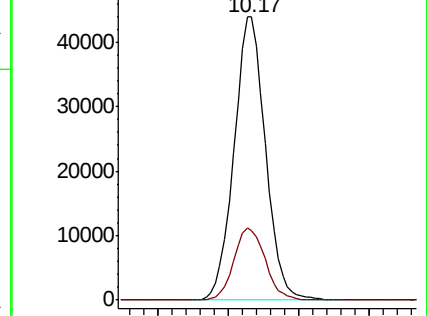
105 100

120 25.4 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 5.115 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Tgt Ion: 43 Resp: 42302

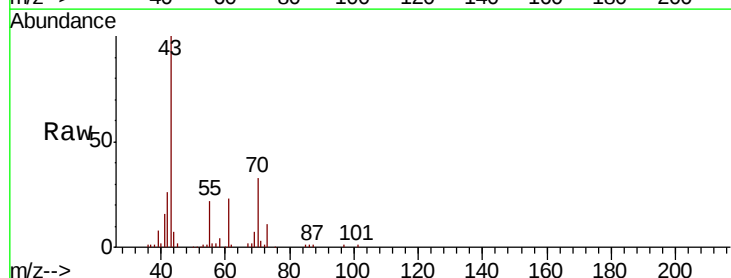
Ion Ratio Lower Upper

43 100

70 35.1 28.4 42.6

55 22.6 18.0 27.0

61 21.9 17.6 26.4

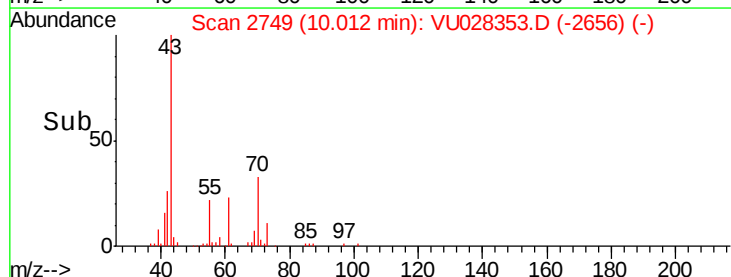
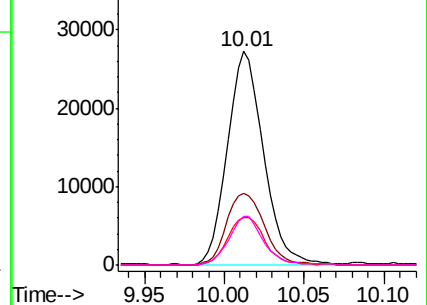


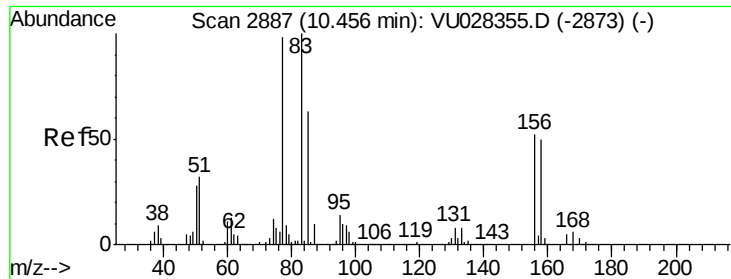
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 5.524 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

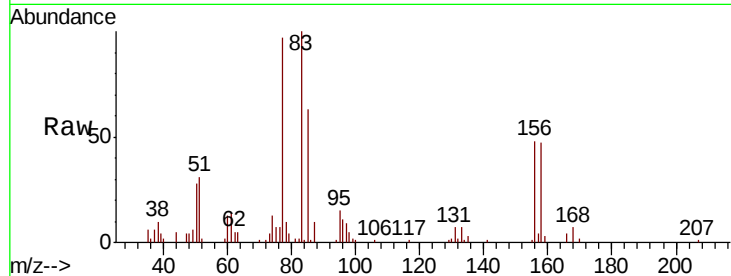
Tgt Ion: 83 Resp: 29984

Ion Ratio Lower Upper

83 100

131 8.0 4.0 12.2

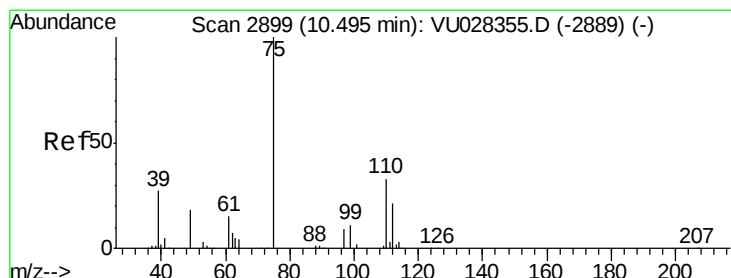
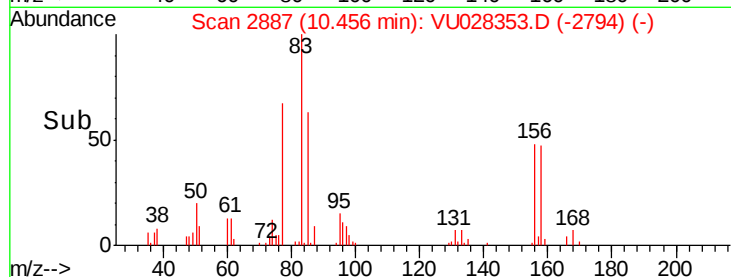
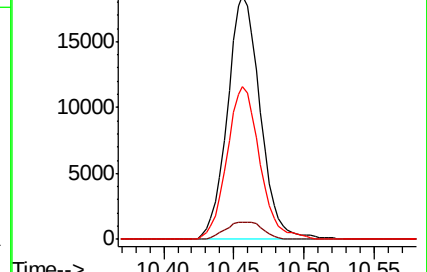
85 62.6 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VU028353.D (-2794) (-)

Ion 130.80 (130.50 to 131.50): VU028353.D (-2794) (-)

Ion 84.90 (84.60 to 85.60): VU028353.D (-2794) (-)



#76

1,2,3-Trichloropropane

Concen: 7.523 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028353.D

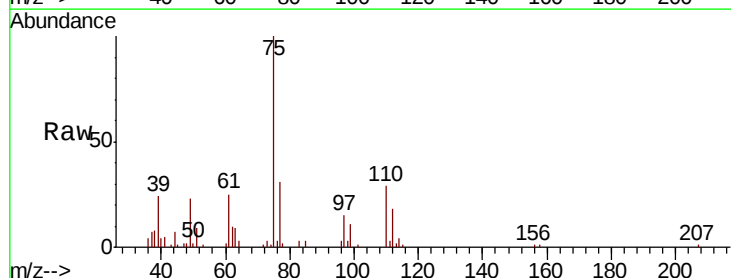
Acq: 28 Nov 2018 09:35

Tgt Ion: 75 Resp: 34955

Ion Ratio Lower Upper

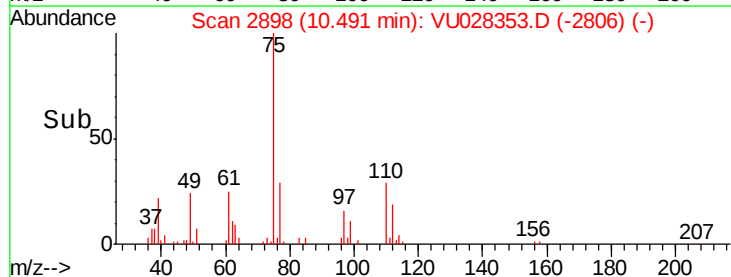
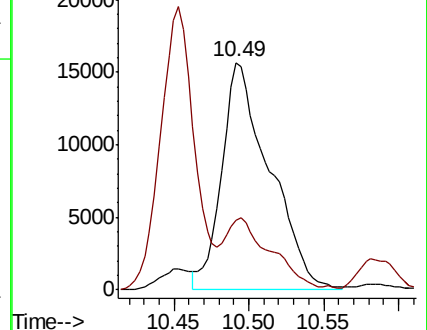
75 100

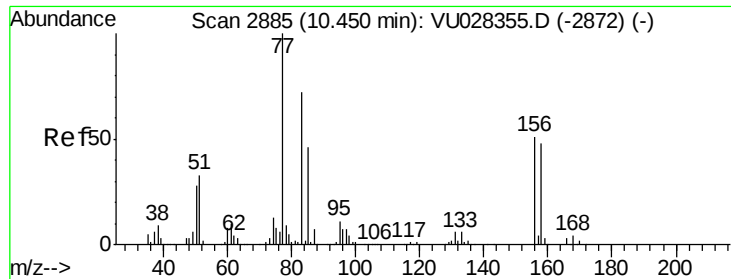
77 30.7 22.4 67.0



Abundance Ion 74.90 (74.60 to 75.60): VU028353.D (-2806) (-)

Ion 77.00 (76.70 to 77.70): VU028353.D (-2806) (-)





#77

Bromobenzene

Concen: 5.089 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

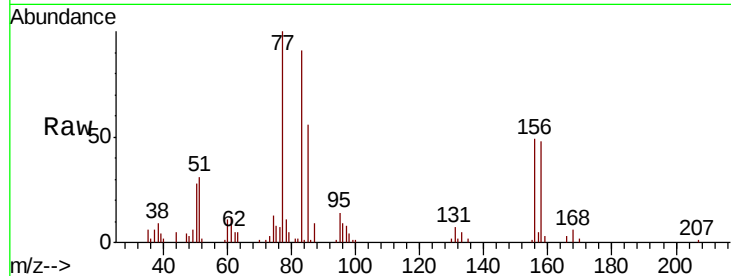
Tgt Ion:156 Resp: 15827

Ion Ratio Lower Upper

156 100

77 195.4 97.0 290.9

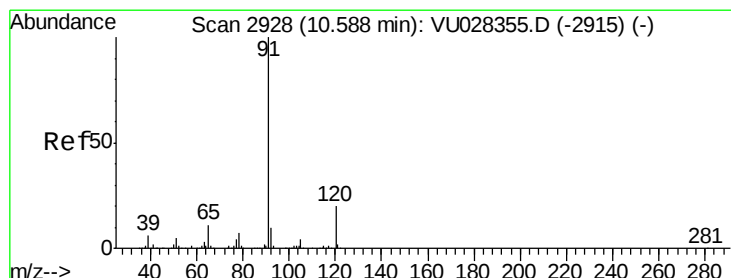
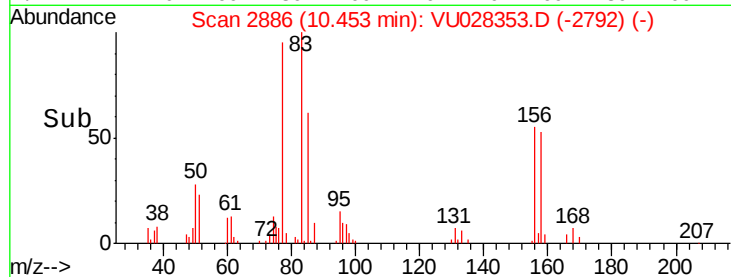
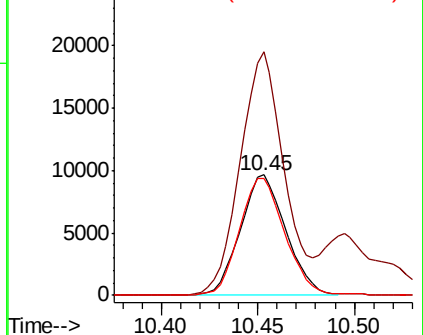
158 96.6 46.8 140.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.001 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028353.D

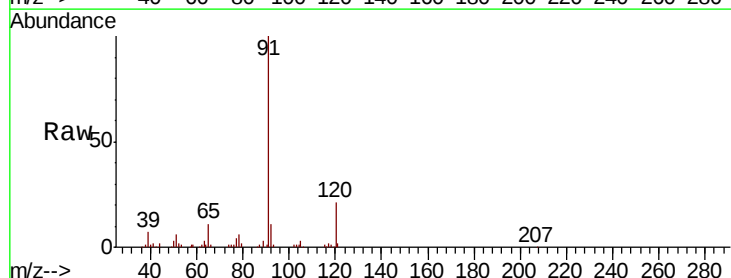
Acq: 28 Nov 2018 09:35

Tgt Ion: 91 Resp: 81427

Ion Ratio Lower Upper

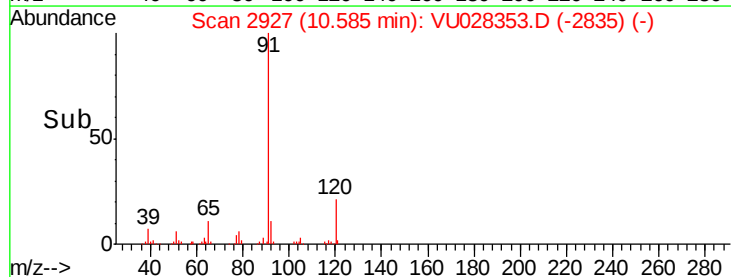
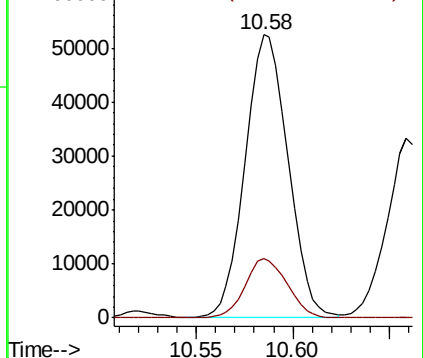
91 100

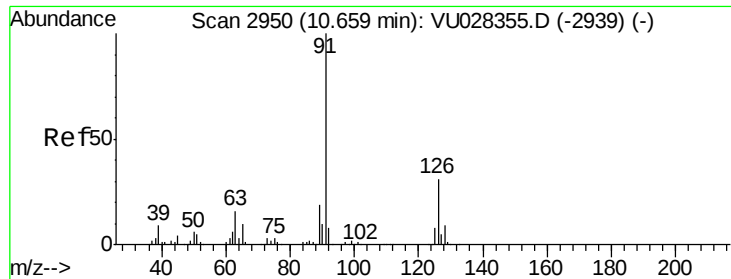
120 20.6 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.308 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

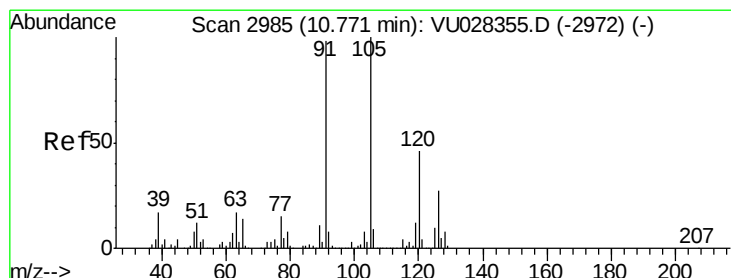
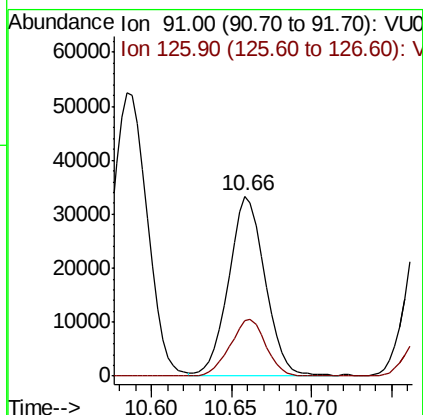
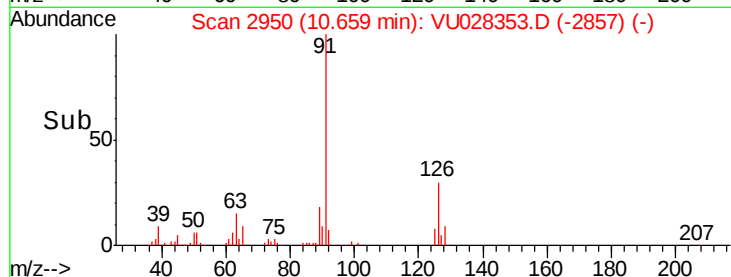
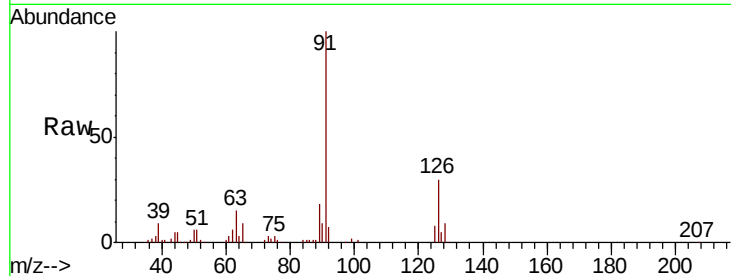
VSTDIC005

Tgt Ion: 91 Resp: 50947

Ion Ratio Lower Upper

91 100

126 31.2 15.4 46.1



#80

1,3,5-Trimethylbenzene

Concen: 5.107 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028353.D

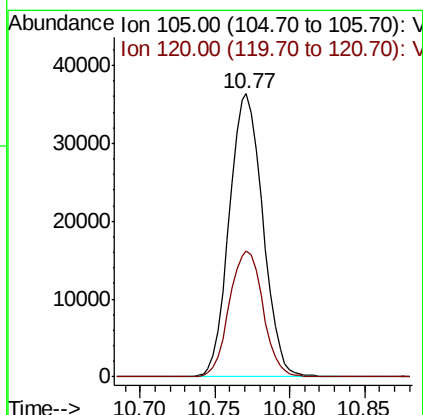
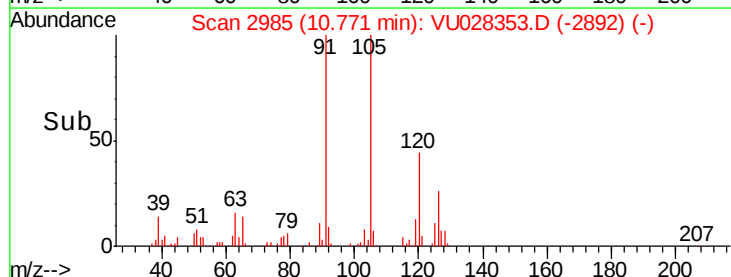
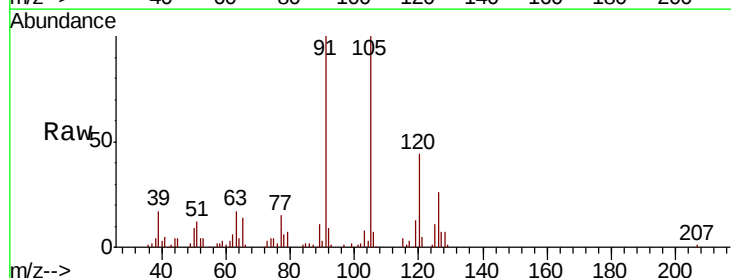
Acq: 28 Nov 2018 09:35

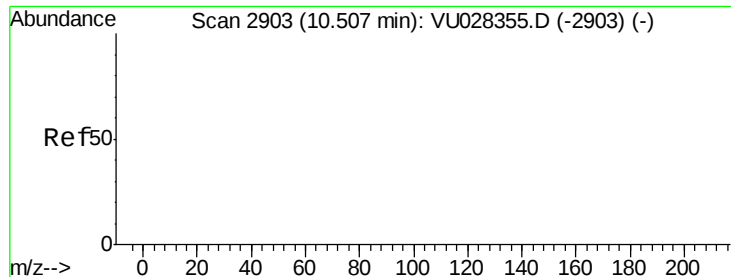
Tgt Ion: 105 Resp: 56806

Ion Ratio Lower Upper

105 100

120 44.4 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 15.465 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

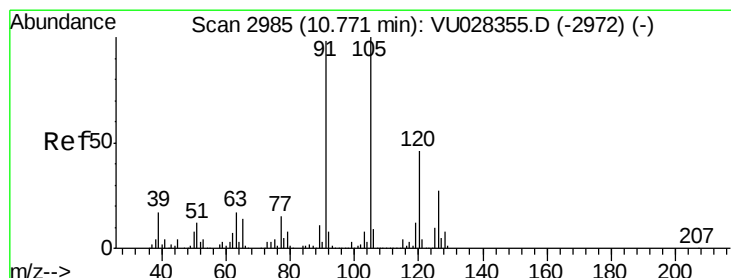
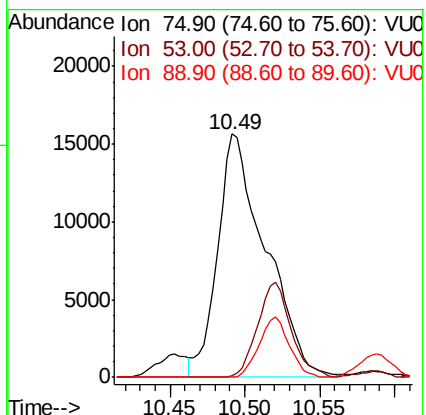
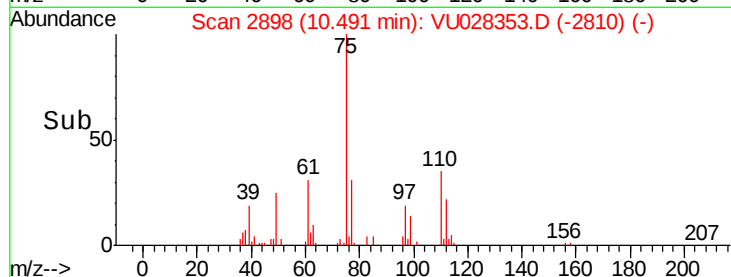
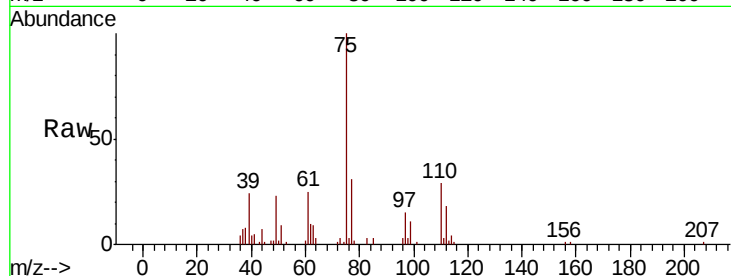
Tgt Ion: 75 Resp: 34955

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 5.059 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028353.D

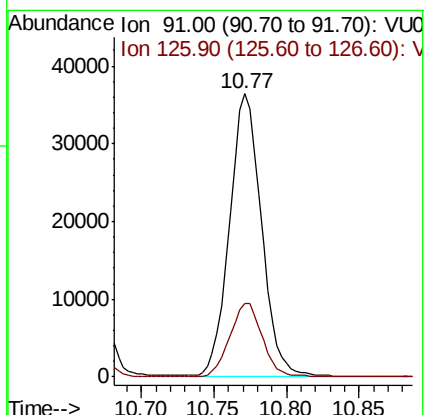
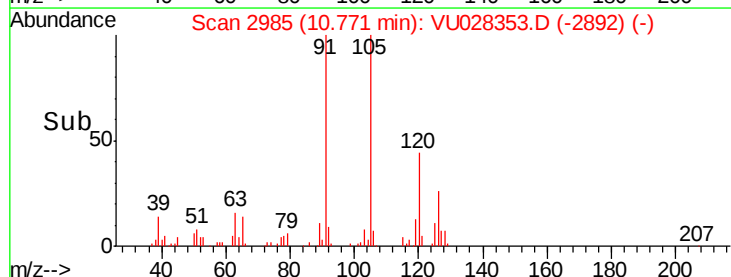
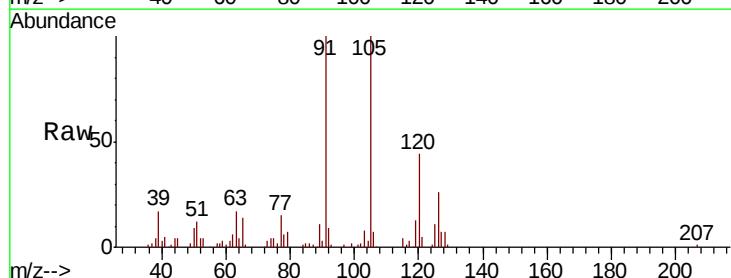
Acq: 28 Nov 2018 09:35

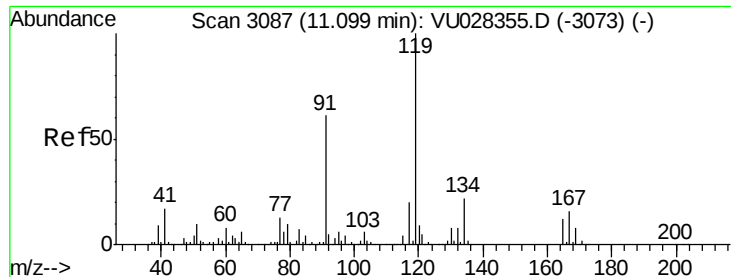
Tgt Ion: 91 Resp: 55951

Ion Ratio Lower Upper

91 100

126 26.3 13.9 41.6

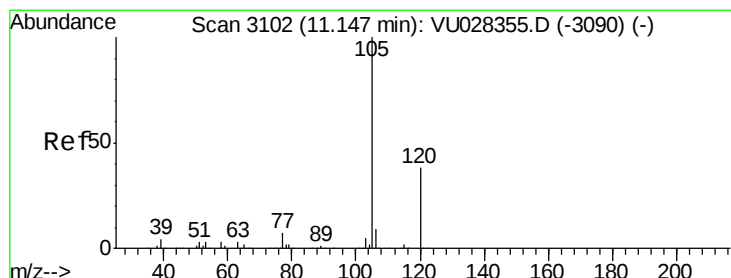
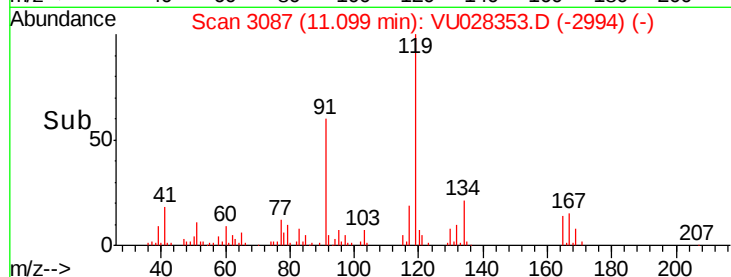
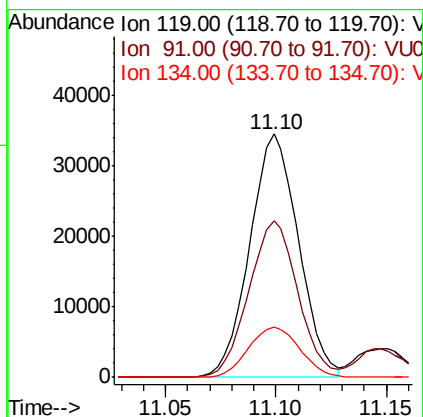
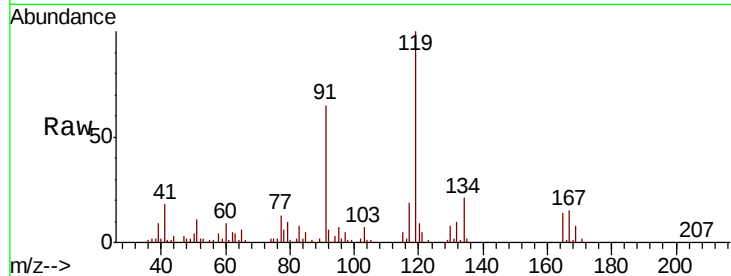




#83
 tert-Butylbenzene
 Concen: 5.113 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU028353.D
 Acq: 28 Nov 2018 09:35

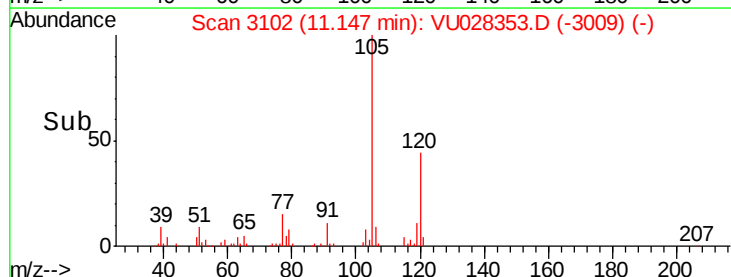
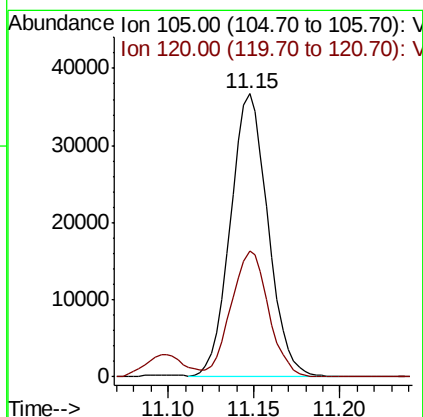
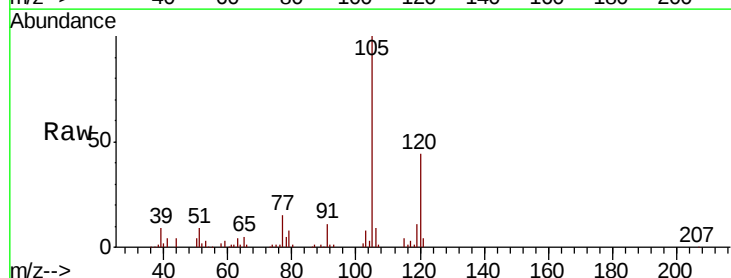
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

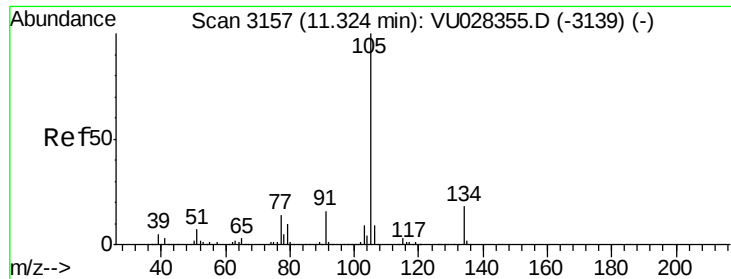
Tgt Ion:119 Resp: 53011
 Ion Ratio Lower Upper
 119 100
 91 64.7 30.8 92.4
 134 21.8 11.1 33.1



#84
 1,2,4-Trimethylbenzene
 Concen: 4.942 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU028353.D
 Acq: 28 Nov 2018 09:35

Tgt Ion:105 Resp: 55679
 Ion Ratio Lower Upper
 105 100
 120 44.1 21.4 64.3

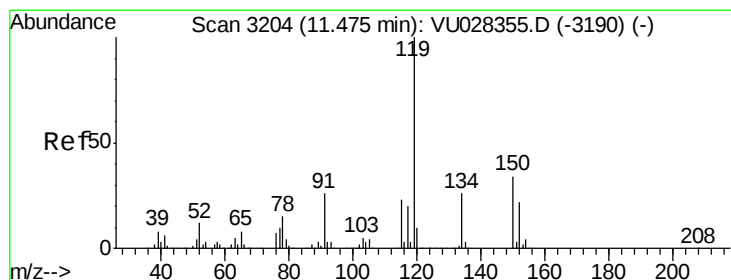
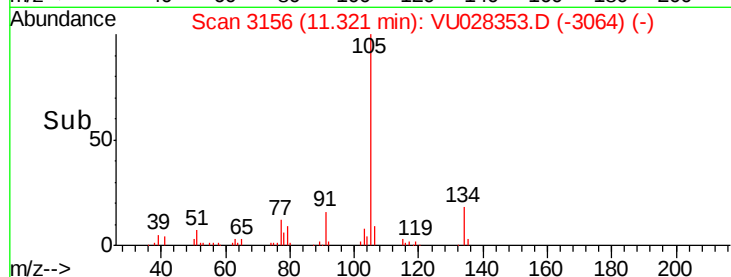
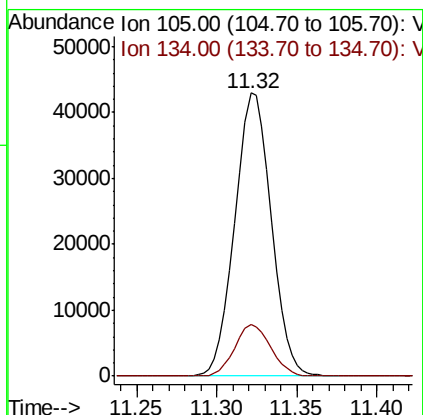
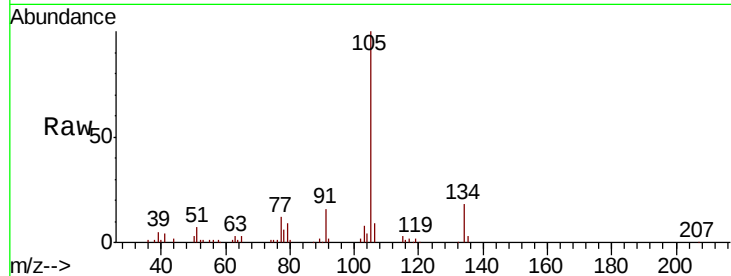




#85
 sec-Butylbenzene
 Concen: 4.948 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: VU028353.D
 Acq: 28 Nov 2018 09:35

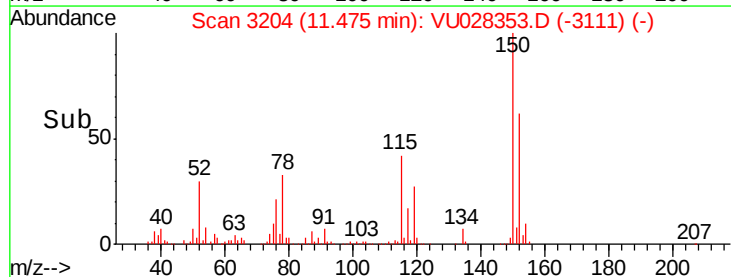
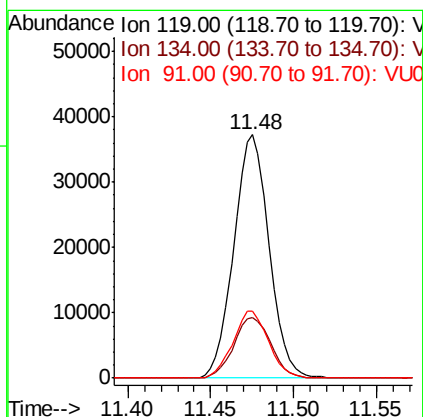
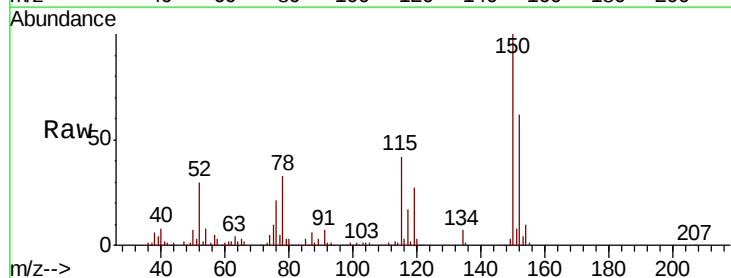
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

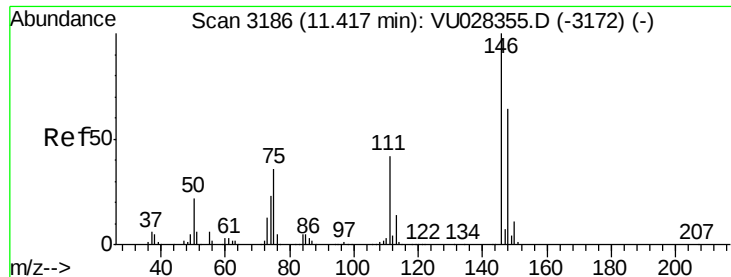
Tgt Ion:105 Resp: 66640
 Ion Ratio Lower Upper
 105 100
 134 18.1 9.3 27.7



#86
 p-Isopropyltoluene
 Concen: 4.976 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU028353.D
 Acq: 28 Nov 2018 09:35

Tgt Ion:119 Resp: 55099
 Ion Ratio Lower Upper
 119 100
 134 26.1 12.8 38.3
 91 27.7 13.1 39.1





#87

1,3-Dichlorobenzene

Concen: 5.024 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

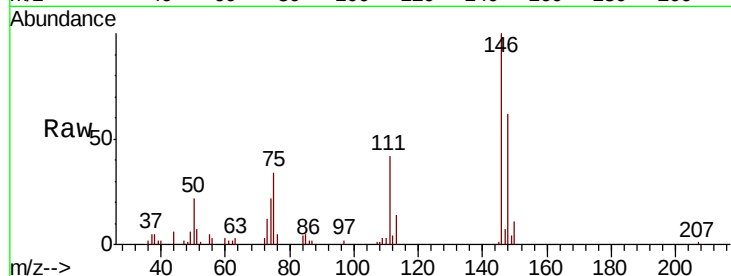
Tgt Ion:146 Resp: 28498

Ion Ratio Lower Upper

146 100

111 43.7 20.8 62.4

148 64.6 31.8 95.3

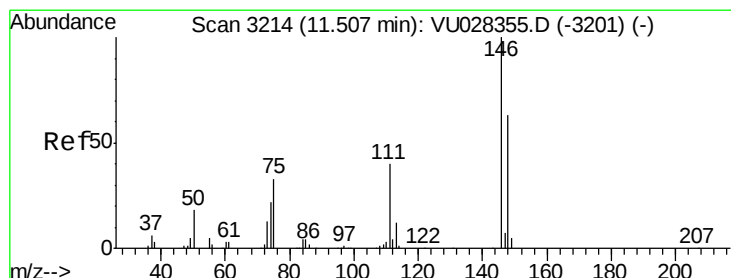
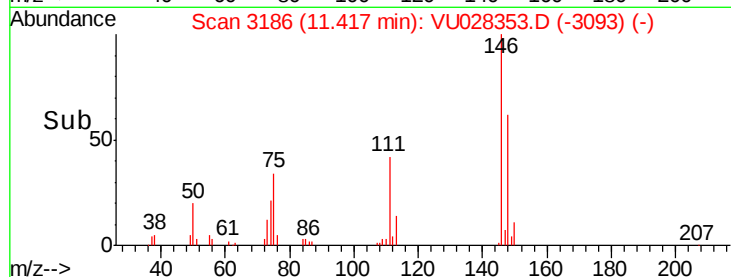
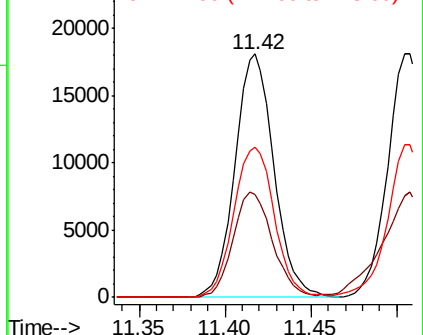


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 5.098 ug/l

RT: 11.50 min Scan# 3213

Delta R.T. -0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

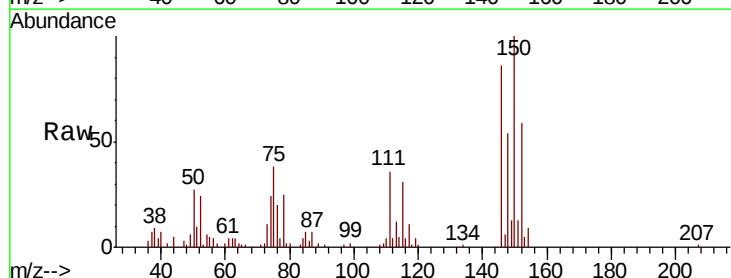
Tgt Ion:146 Resp: 29103

Ion Ratio Lower Upper

146 100

111 50.0 20.6 61.9

148 65.0 31.1 93.5

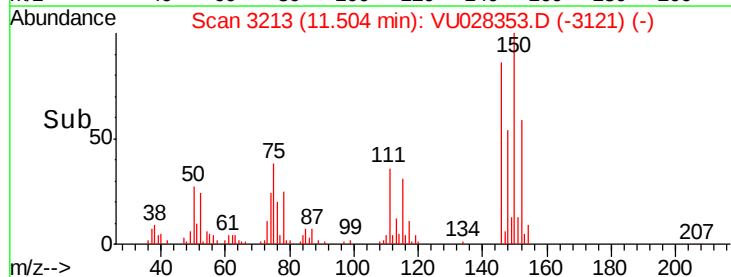
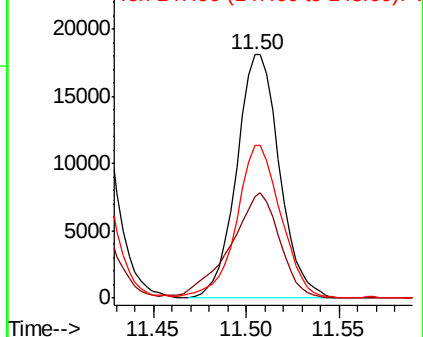


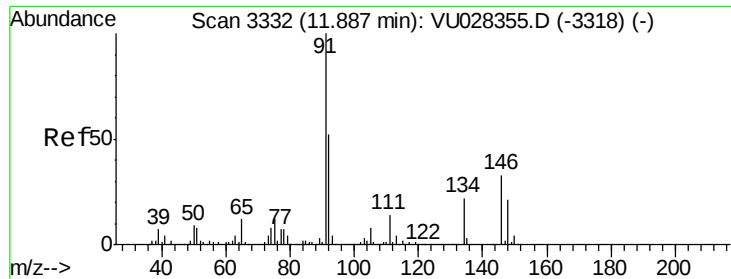
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

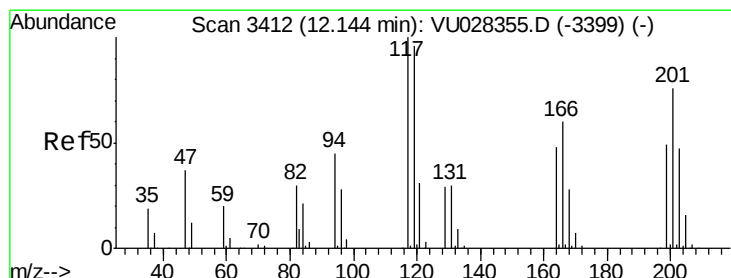
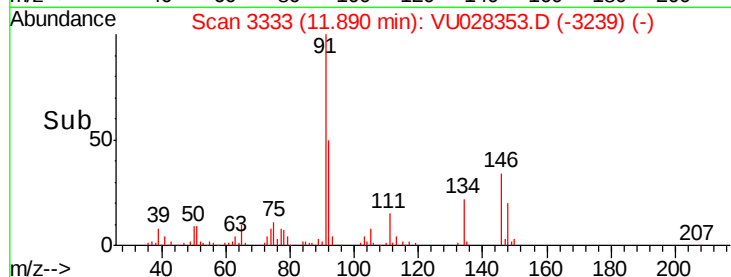
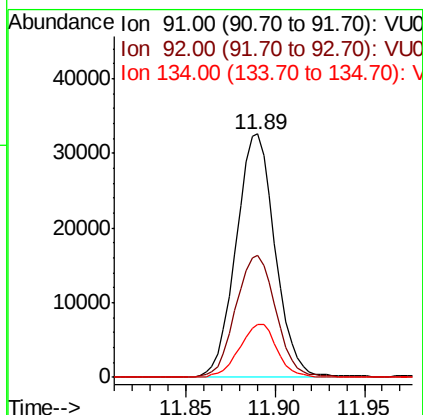
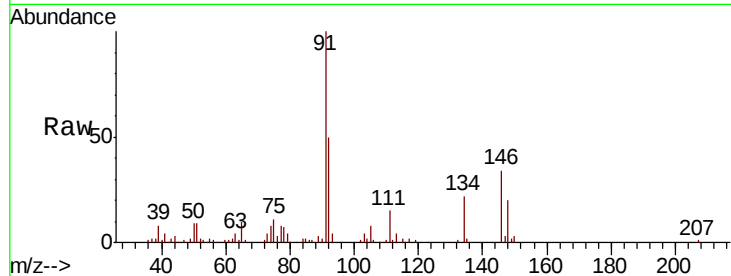




#89
n-Butylbenzene
Concen: 4.560 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

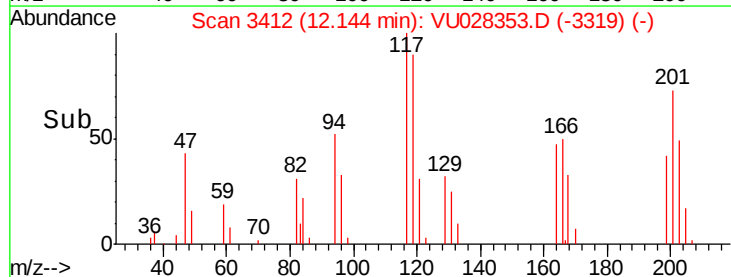
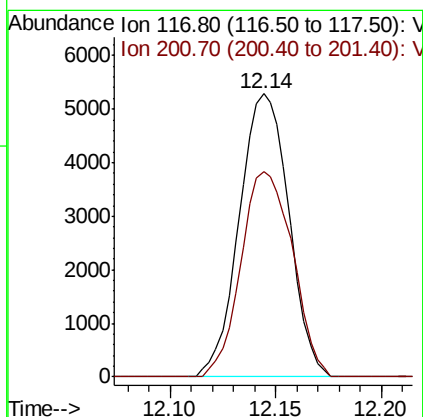
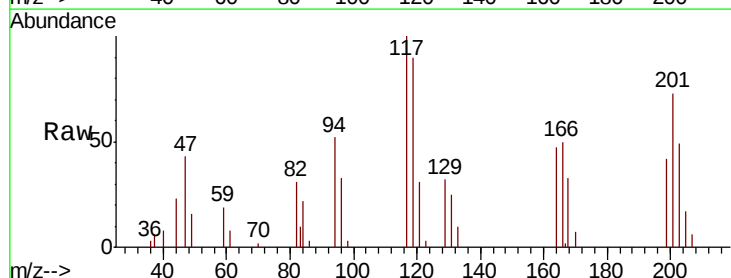
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

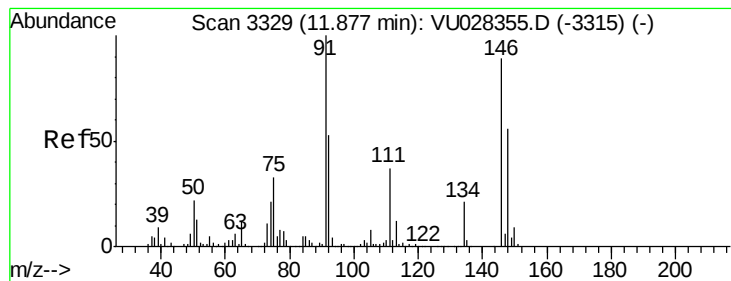
Tgt Ion: 91 Resp: 49830
Ion Ratio Lower Upper
91 100
92 51.6 26.2 78.5
134 21.1 11.1 33.1



#90
Hexachloroethane
Concen: 4.988 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VU028353.D
Acq: 28 Nov 2018 09:35

Tgt Ion: 117 Resp: 8623
Ion Ratio Lower Upper
117 100
201 75.5 37.7 113.1





#91

1,2-Dichlorobenzene

Concen: 5.224 ug/l

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

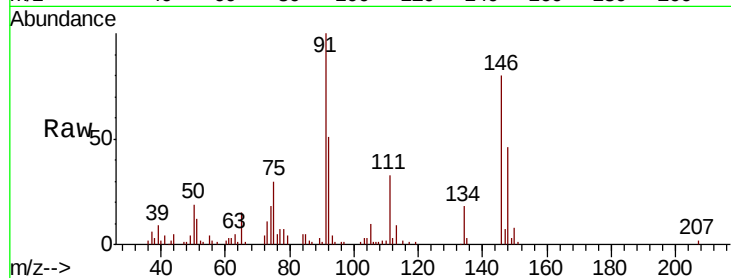
Tgt Ion:146 Resp: 29563

Ion Ratio Lower Upper

146 100

111 45.4 21.4 64.3

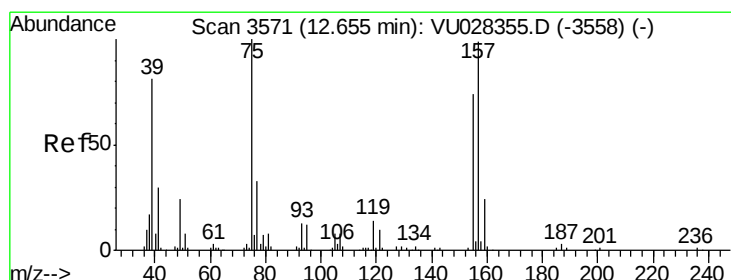
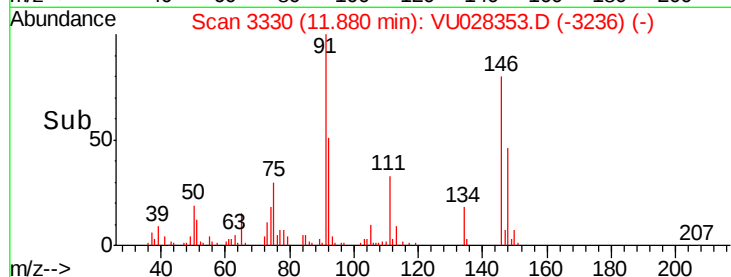
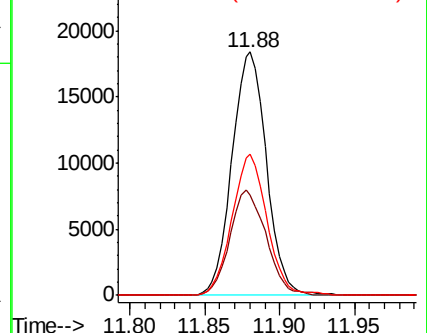
148 58.9 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.156 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

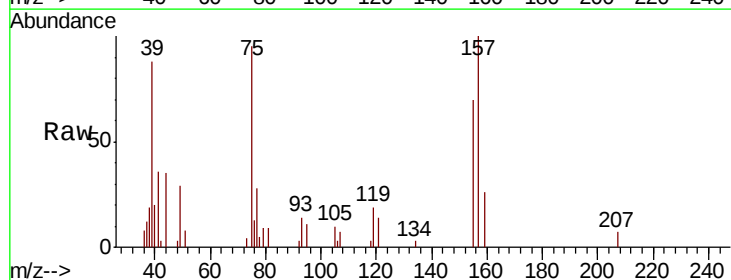
Tgt Ion: 75 Resp: 6225

Ion Ratio Lower Upper

75 100

155 71.6 36.9 110.7

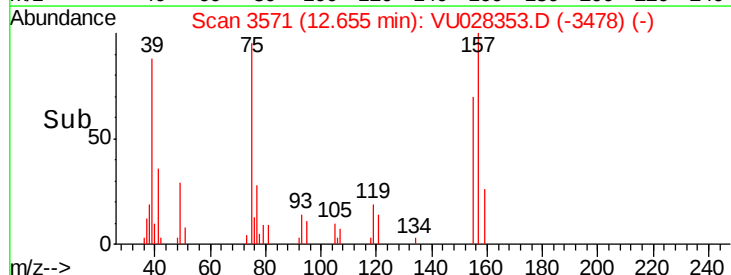
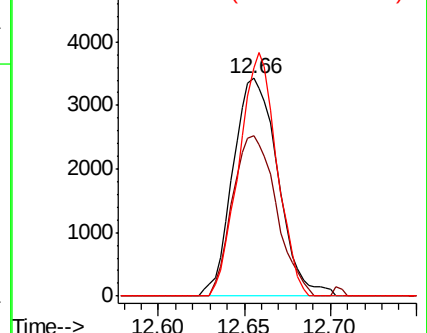
157 93.7 47.5 142.5

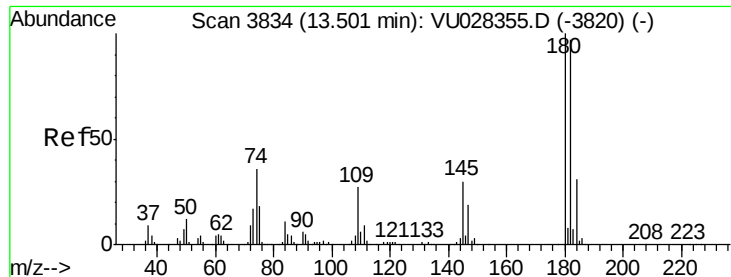


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

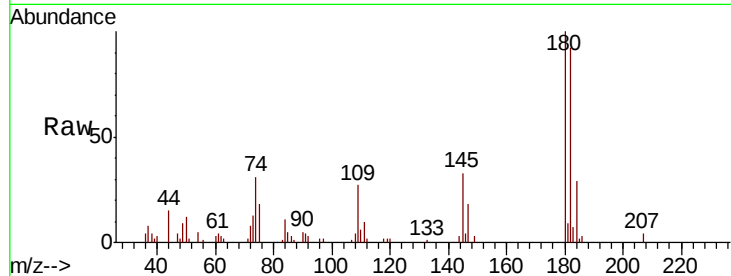




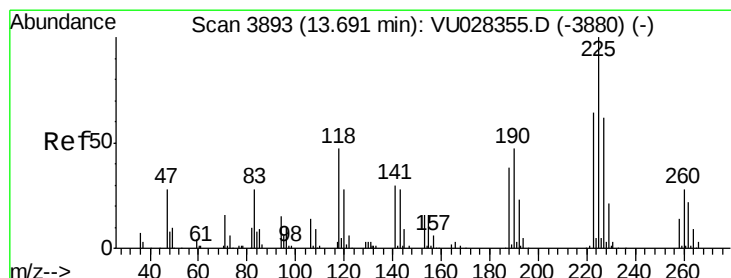
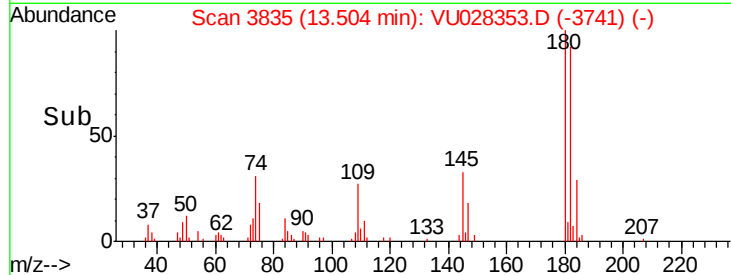
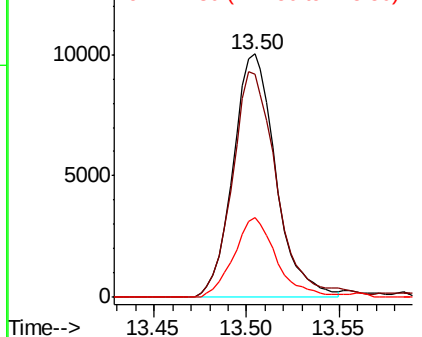
#93
 1,2,4-Trichlorobenzene
 Concen: 4.335 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU028353.D
 Acq: 28 Nov 2018 09:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tgt Ion:180 Resp: 16057
 Ion Ratio Lower Upper
 180 100
 182 96.2 48.3 144.9
 145 32.7 15.2 45.5

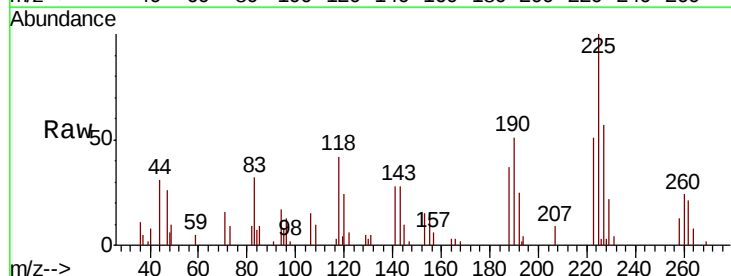


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

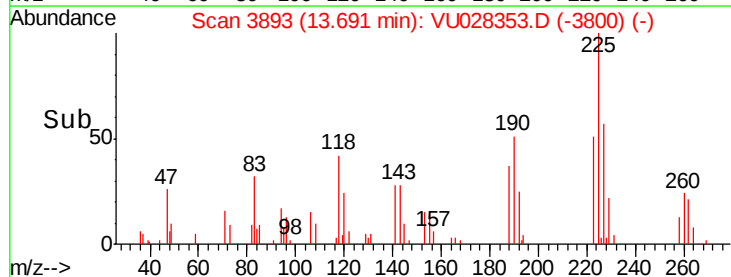
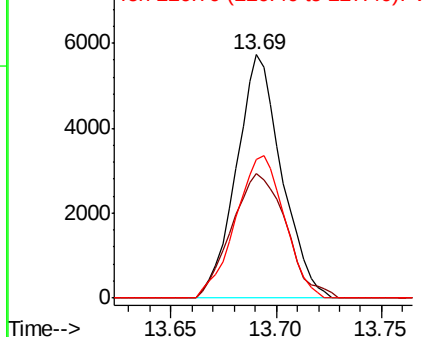


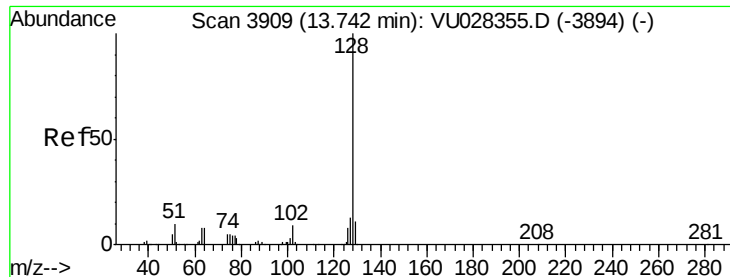
#94
 Hexachlorobutadiene
 Concen: 4.878 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU028353.D
 Acq: 28 Nov 2018 09:35

Tgt Ion:225 Resp: 8533
 Ion Ratio Lower Upper
 225 100
 223 61.5 31.6 94.7
 227 63.2 30.8 92.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 4.552 ug/l

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

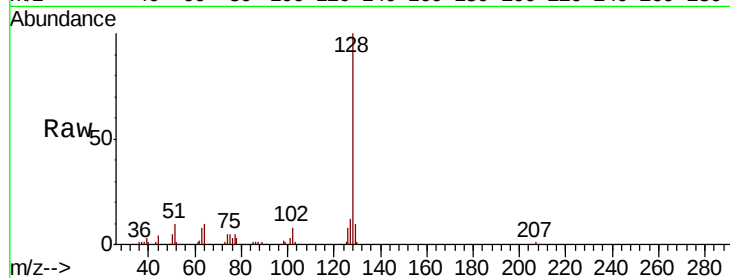
Tgt Ion:128 Resp: 57346

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

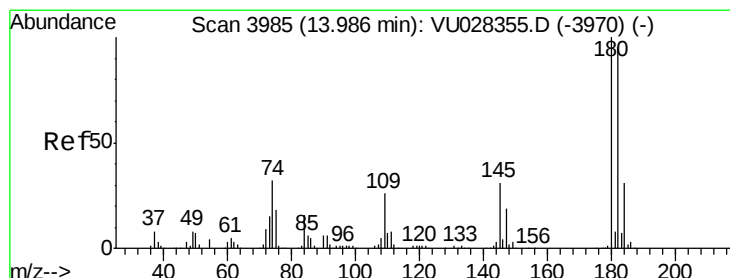
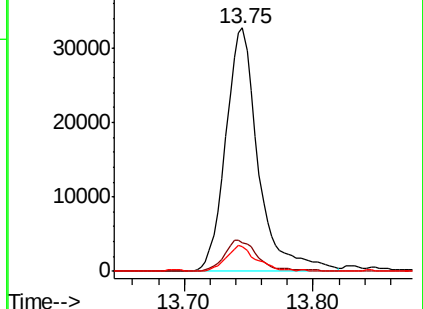
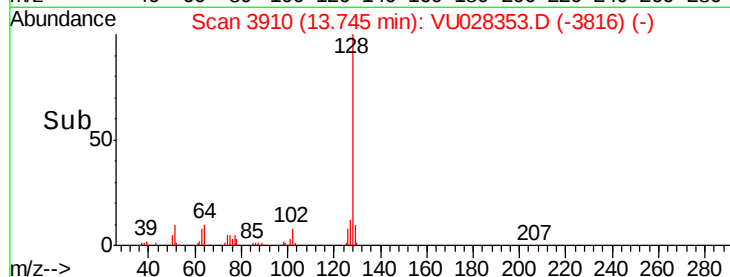
129 9.8 8.6 12.8



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



#96

1,2,3-Trichlorobenzene

Concen: 4.429 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU028353.D

Acq: 28 Nov 2018 09:35

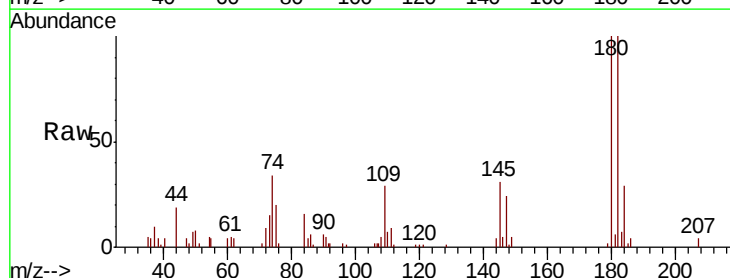
Tgt Ion:180 Resp: 16594

Ion Ratio Lower Upper

180 100

182 101.5 47.7 143.1

145 33.5 15.7 47.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

