

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100418\
 Data File : VU027396.D
 Acq On : 04 Oct 2018 10:26
 Operator : MD/SY
 Sample : VU1004MBSD01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004MBSD02

Quant Time: Oct 05 03:11:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	109794	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	191372	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	178971	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	90169	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	89870	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
35) Dibromofluoromethane	4.89	113	63512	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
50) Toluene-d8	7.57	98	238304	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
62) 4-Bromofluorobenzene	10.31	95	86537	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	32141	20.305	ug/l	100
3) Chloromethane	1.33	50	39875	18.607	ug/l	98
4) Vinyl Chloride	1.40	62	40453	20.081	ug/l	98
5) Bromomethane	1.62	94	17837	20.463	ug/l	99
6) Chloroethane	1.70	64	22979	18.983	ug/l	100
7) Trichlorofluoromethane	1.89	101	42191	20.641	ug/l	95
8) Diethyl Ether	2.11	74	17703	18.801	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.29	101	22645	19.077	ug/l	99
10) Methyl Iodide	2.41	142	17569	22.425	ug/l	99
11) Tert butyl alcohol	2.83	59	40275	104.319	ug/l	99
12) 1,1-Dichloroethene	2.29	96	21785	18.784	ug/l	96
13) Acrolein	2.20	56	15608	48.179	ug/l	98
14) Allyl chloride	2.59	41	52789	19.168	ug/l	99
15) Acrylonitrile	2.94	53	105637	105.127	ug/l	99
16) Acetone	2.32	43	96894	89.461	ug/l	100
17) Carbon Disulfide	2.48	76	71689	17.139	ug/l	99
18) Methyl Acetate	2.62	43	55267	22.368	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	91737	19.741	ug/l	99
20) Methylene Chloride	2.70	84	29521	19.567	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	25753	19.779	ug/l	99
22) Diisopropyl ether	3.58	45	113009	20.189	ug/l	96
23) Vinyl Acetate	3.53	43	488132	99.855	ug/l	100
24) 1,1-Dichloroethane	3.45	63	58530	20.340	ug/l	99
25) 2-Butanone	4.26	43	152328	103.137	ug/l	99
26) 2,2-Dichloropropane	4.23	77	46349	19.602	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	29315	19.687	ug/l	100
28) Bromochloromethane	4.55	49	29063	20.934	ug/l	99
29) Tetrahydrofuran	4.64	42	96616	103.799	ug/l	99
30) Chloroform	4.67	83	53096	20.768	ug/l	99
31) Cyclohexane	5.00	56	54442	18.364	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	43926	20.400	ug/l	99
36) 1,1-Dichloropropene	5.14	75	40026	19.263	ug/l	99
37) Ethyl Acetate	4.39	43	53024	19.745	ug/l	99
38) Carbon Tetrachloride	5.14	117	36769	19.590	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	43106	17.747	ug/l	97
40) Benzene	5.39	78	118610	19.597	ug/l	99
41) Methacrylonitrile	4.55	41	30072	19.812	ug/l	97
42) 1,2-Dichloroethane	5.41	62	45353	20.187	ug/l	100
43) Isopropyl Acetate	5.55	43	84055	20.153	ug/l	98
44) Trichloroethene	6.19	130	25178	18.656	ug/l	97
45) 1,2-Dichloropropane	6.43	63	34343	19.672	ug/l	99
46) Dibromomethane	6.56	93	20212	20.499	ug/l	98
47) Bromodichloromethane	6.76	83	40515	19.803	ug/l	99
48) Methyl methacrylate	6.62	41	41310	19.917	ug/l	99
49) 1,4-Dioxane	6.61	88	16992	476.153	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	278163	102.635	ug/l	99
52) Toluene	7.64	92	69310	19.347	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	46458	19.367	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	50486	19.578	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	28131	19.805	ug/l	99
56) Ethyl methacrylate	8.02	69	45274	18.160	ug/l	99
57) 1,3-Dichloropropane	8.24	76	54192	19.653	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	141229	99.665	ug/l	98
59) 2-Hexanone	8.36	43	215387	102.449	ug/l	99
60) Dibromochloromethane	8.48	129	28281	19.852	ug/l	100
61) 1,2-Dibromoethane	8.59	107	28938	19.162	ug/l	97
64) Tetrachloroethene	8.23	164	21245	19.069	ug/l	98
65) Chlorobenzene	9.12	112	72452	19.232	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	25286	19.443	ug/l	99
67) Ethyl Benzene	9.25	91	126980	19.025	ug/l	98
68) m/p-Xylenes	9.38	106	95324	39.045	ug/l	100
69) o-Xylene	9.78	106	45216	19.489	ug/l	99
70) Styrene	9.79	104	74702	18.732	ug/l	99
71) Bromoform	9.96	173	19859	18.980	ug/l #	99
73) Isopropylbenzene	10.17	105	122933	18.772	ug/l	99
74) N-amyl acetate	10.02	43	69934	18.654	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	49213	19.138	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	59527	25.467	ug/l	83
77) Bromobenzene	10.45	156	29346	19.281	ug/l	99
78) n-propylbenzene	10.59	91	153523	19.509	ug/l	99
79) 2-Chlorotoluene	10.66	91	90366	19.019	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	104357	19.573	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	59527	66.651	ug/l #	100
82) 4-Chlorotoluene	10.77	91	105891	19.639	ug/l	100
83) tert-Butylbenzene	11.10	119	97143	18.847	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	107270	19.696	ug/l	100
85) sec-Butylbenzene	11.32	105	126331	19.452	ug/l	99
86) p-Isopropyltoluene	11.48	119	108606	19.532	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	55687	19.323	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	56306	19.119	ug/l	97
89) n-Butylbenzene	11.89	91	105123	19.070	ug/l	98
90) Hexachloroethane	12.15	117	19573	18.674	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	54740	19.513	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	11226	19.698	ug/l	99

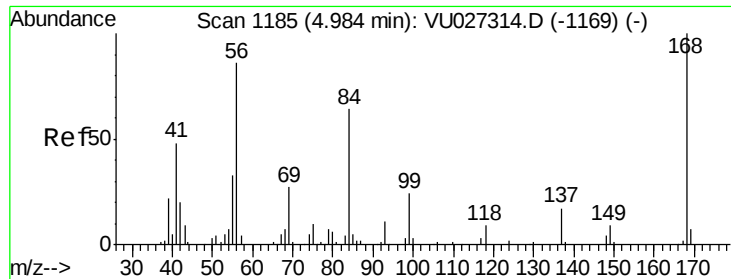
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Quant Title : SW846 8260
QLast Update : Tue Oct 02 02:04:34 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	36882	20.319	ug/l	99
94) Hexachlorobutadiene	13.69	225	18570	20.249	ug/l	98
95) Naphthalene	13.74	128	117709	18.354	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	38665	20.446	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027396.D

Acq: 04 Oct 2018 10:26

Instrument :

MSVOA_U

ClientSampleId :

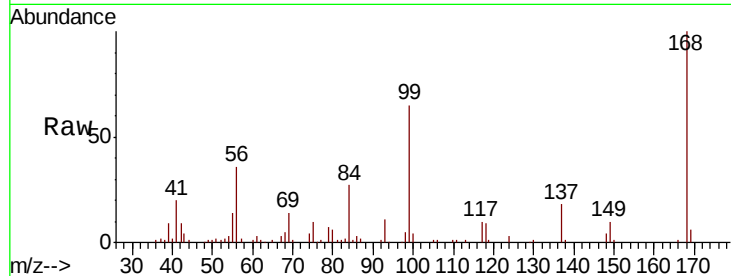
VU1004MBSD02

Tgt Ion:168 Resp: 109794

Ion Ratio Lower Upper

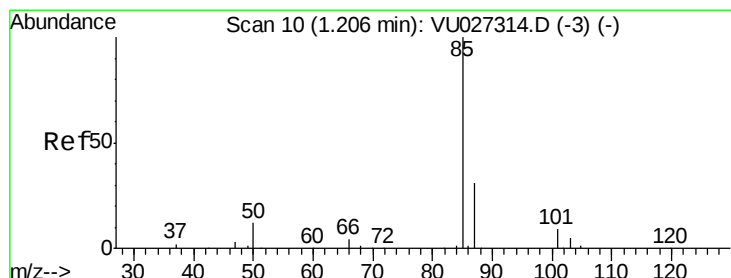
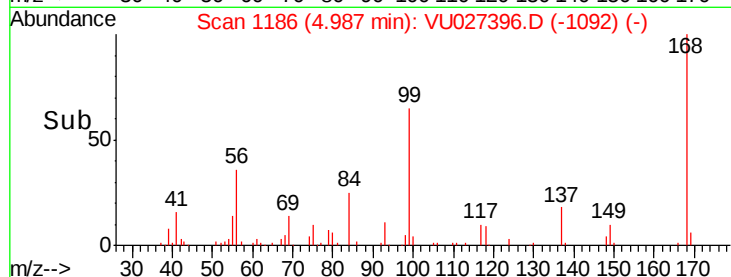
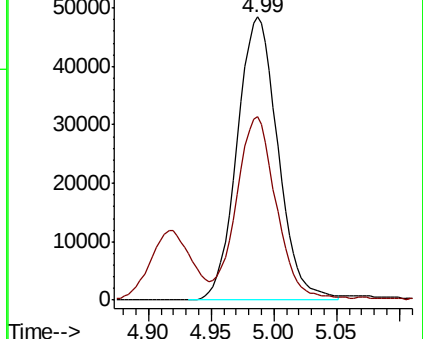
168 100

99 63.5 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027314.D (-1169) (-)



#2

Dichlorodifluoromethane

Concen: 20.305 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027396.D

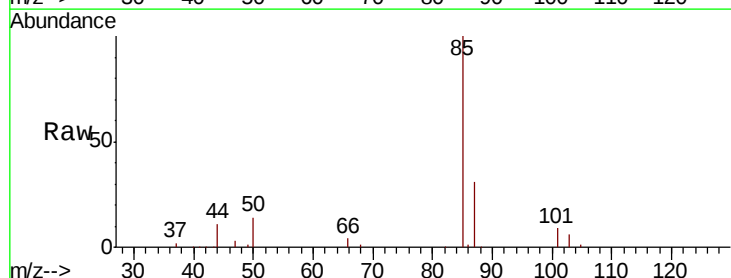
Acq: 04 Oct 2018 10:26

Tgt Ion: 85 Resp: 32141

Ion Ratio Lower Upper

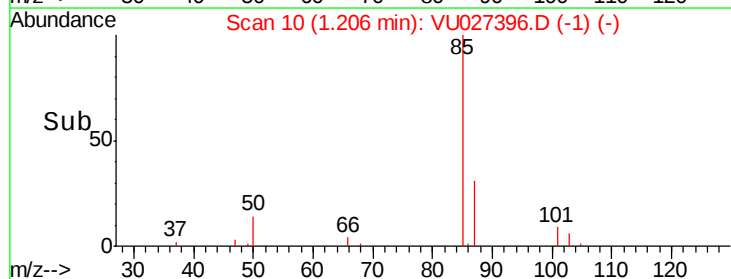
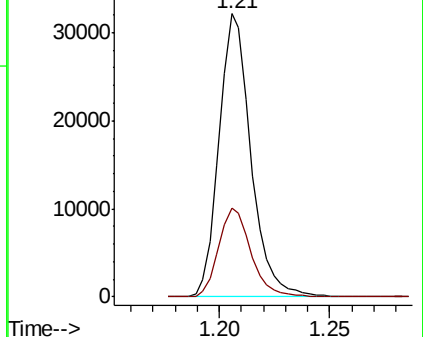
85 100

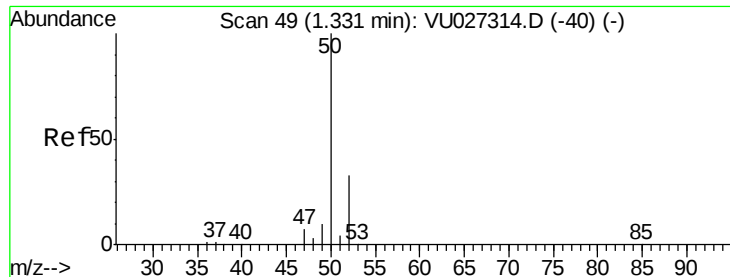
87 31.4 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VU027314.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU027314.D (-3) (-)





#3

Chloromethane

Concen: 18.607 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027396.D

Acq: 04 Oct 2018 10:26

Instrument :

MSVOA_U

ClientSampleId :

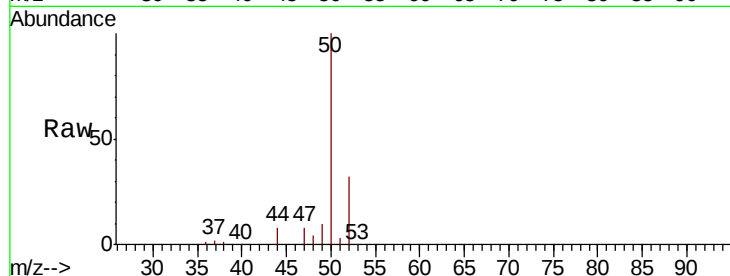
VU1004MBSD02

Tgt Ion: 50 Resp: 39875

Ion Ratio Lower Upper

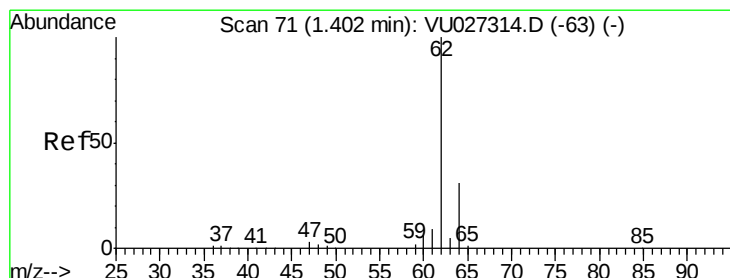
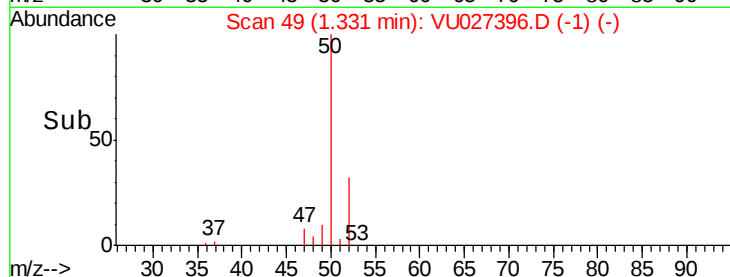
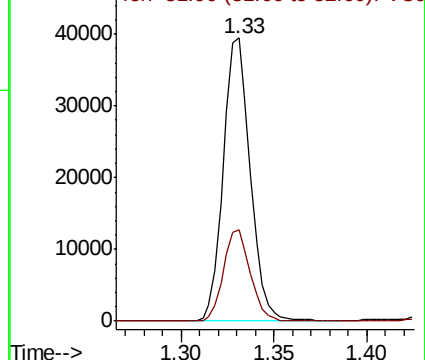
50 100

52 32.2 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 20.081 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027396.D

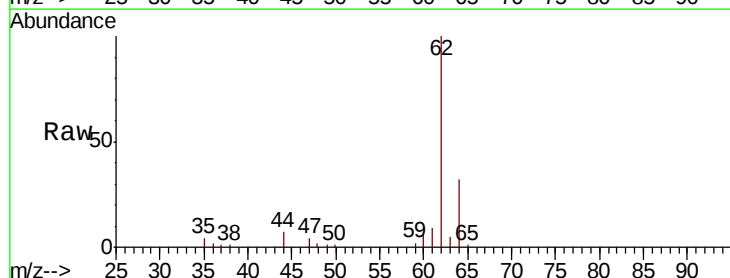
Acq: 04 Oct 2018 10:26

Tgt Ion: 62 Resp: 40453

Ion Ratio Lower Upper

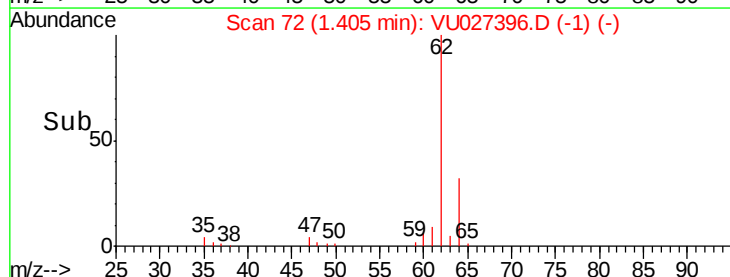
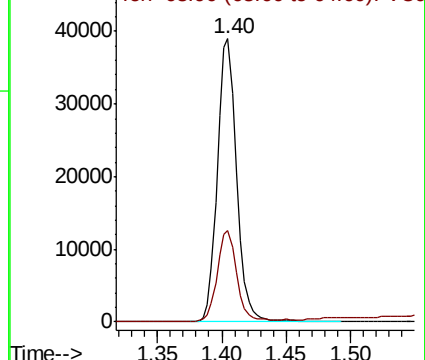
62 100

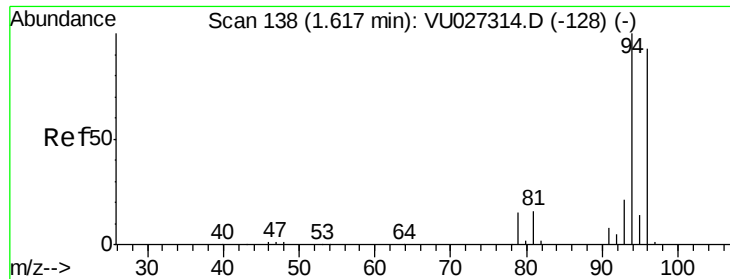
64 32.3 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

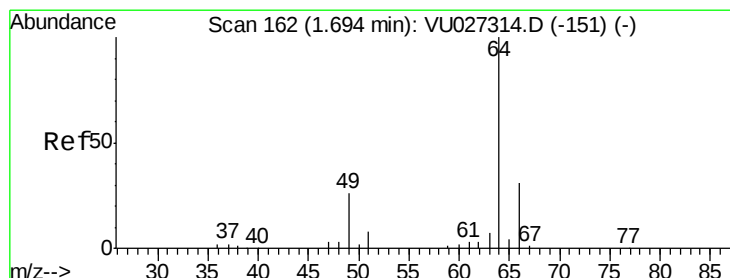
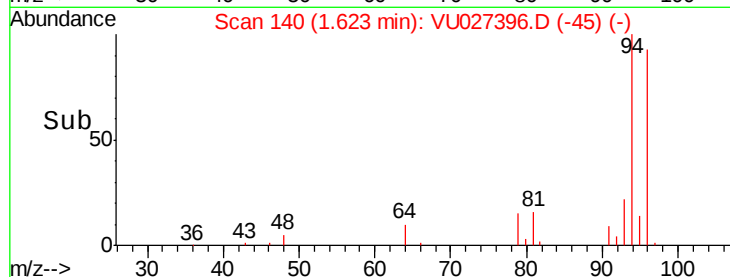
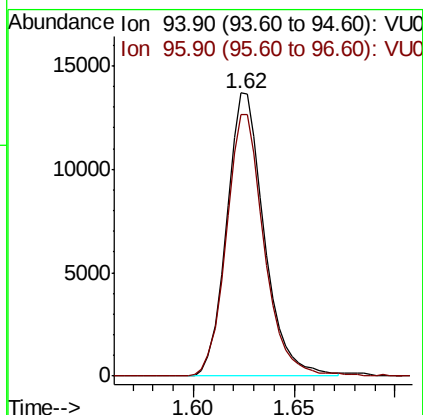
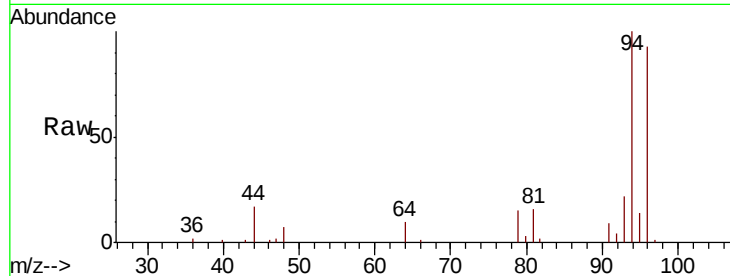




#5
Bromomethane
Concen: 20.463 ug/l
RT: 1.62 min Scan# 140
Delta R.T. 0.01 min
Lab File: VU027396.D
Acq: 04 Oct 2018 10:26

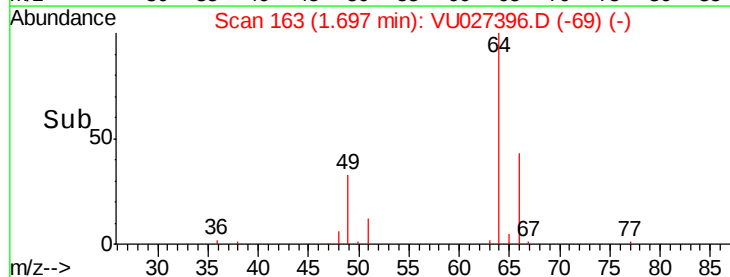
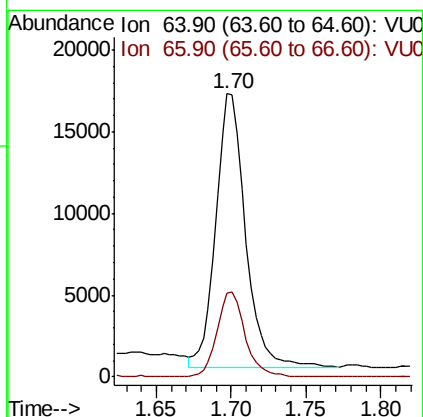
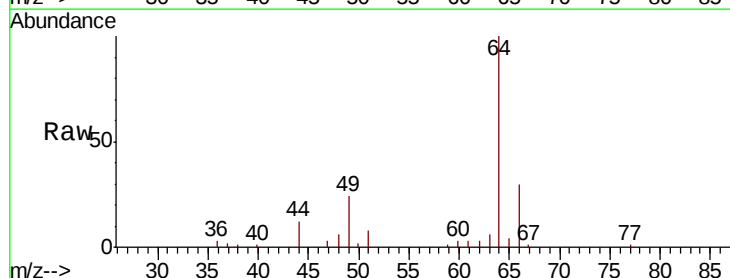
Instrument :
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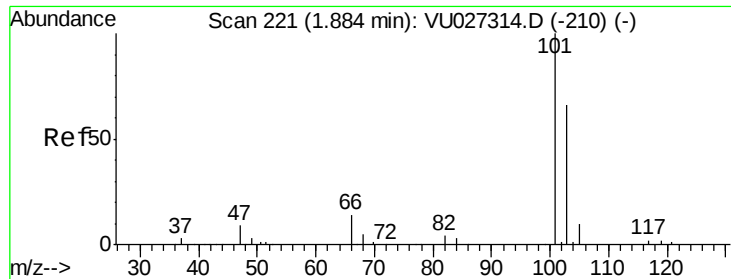
Tgt Ion: 94 Resp: 17837
Ion Ratio Lower Upper
94 100
96 92.6 74.6 111.8



#6
Chloroethane
Concen: 18.983 ug/l
RT: 1.70 min Scan# 163
Delta R.T. 0.00 min
Lab File: VU027396.D
Acq: 04 Oct 2018 10:26

Tgt Ion: 64 Resp: 22979
Ion Ratio Lower Upper
64 100
66 30.8 24.6 36.8



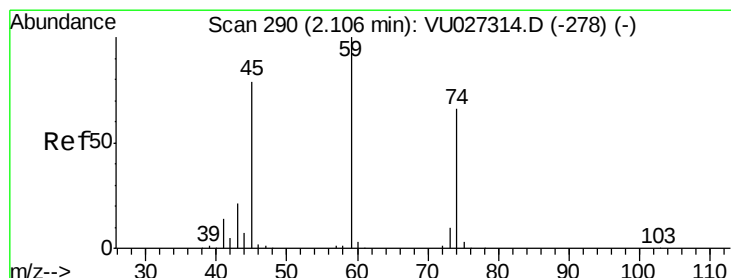
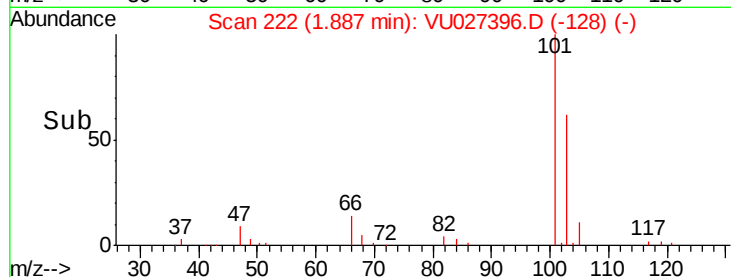
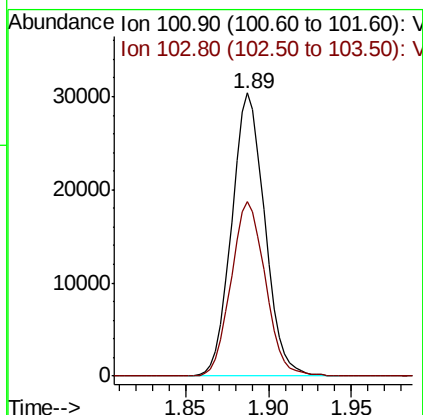
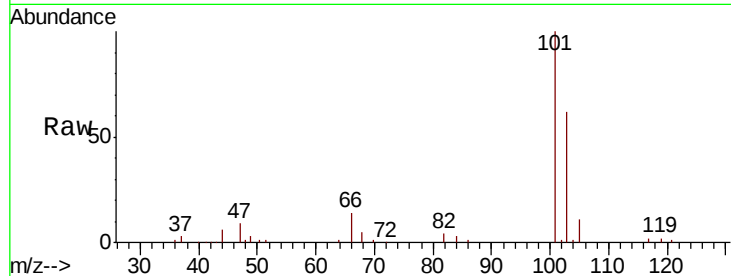


#7

Trichlorofluoromethane
Concen: 20.641 ug/l
RT: 1.89 min Scan# 222
Delta R.T. 0.00 min
Lab File: VU027396.D
Acq: 04 Oct 2018 10:26

Instrument :
MSVOA_U
ClientSampleId :
VU1004MBSD02

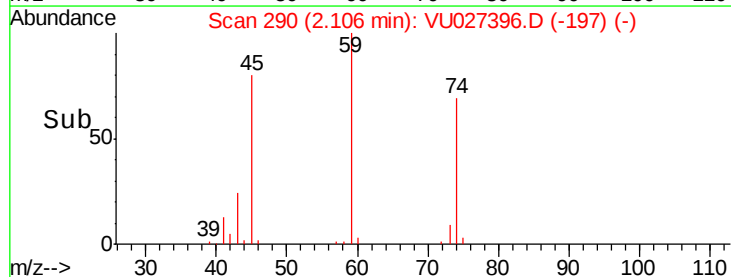
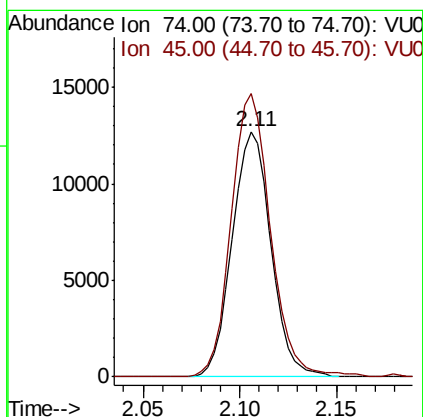
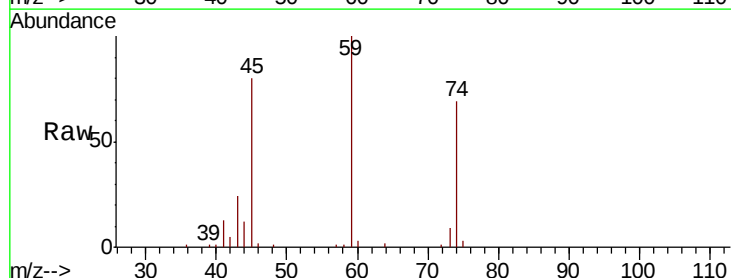
Tgt Ion:101 Resp: 42191
Ion Ratio Lower Upper
101 100
103 61.7 52.6 78.8

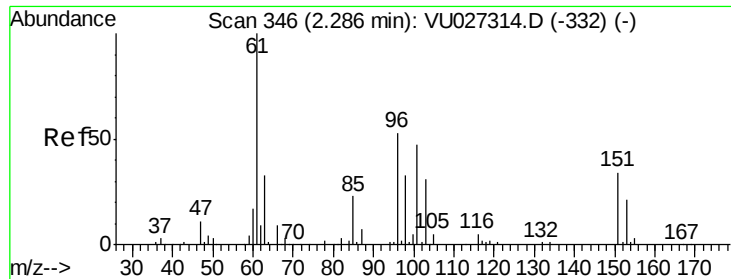


#8

Diethyl Ether
Concen: 18.801 ug/l
RT: 2.11 min Scan# 290
Delta R.T. -0.00 min
Lab File: VU027396.D
Acq: 04 Oct 2018 10:26

Tgt Ion: 74 Resp: 17703
Ion Ratio Lower Upper
74 100
45 117.5 60.4 181.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.077 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027396.D

Acq: 04 Oct 2018 10:26

Instrument :

MSVOA_U

ClientSampleId :

VU1004MBSD02

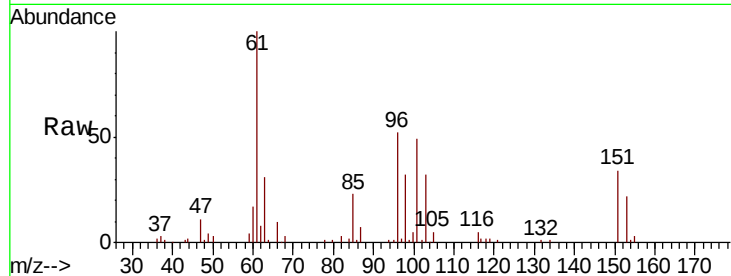
Tgt Ion:101 Resp: 22645

Ion Ratio Lower Upper

101 100

85 45.9 37.5 56.3

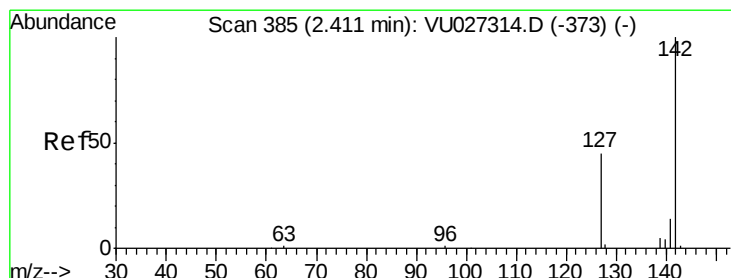
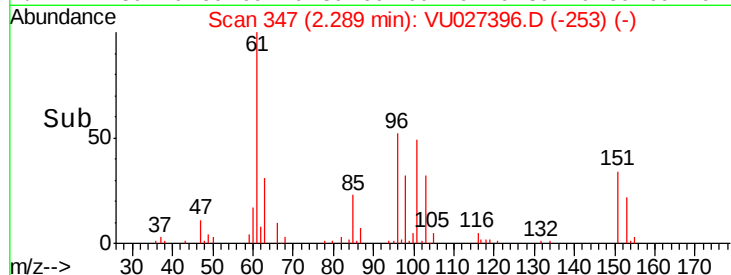
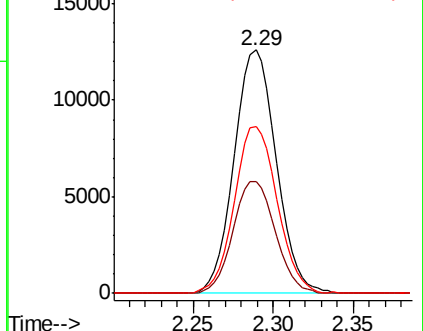
151 69.6 55.6 83.4



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: 22.425 ug/l

RT: 2.41 min Scan# 386

Delta R.T. 0.00 min

Lab File: VU027396.D

Acq: 04 Oct 2018 10:26

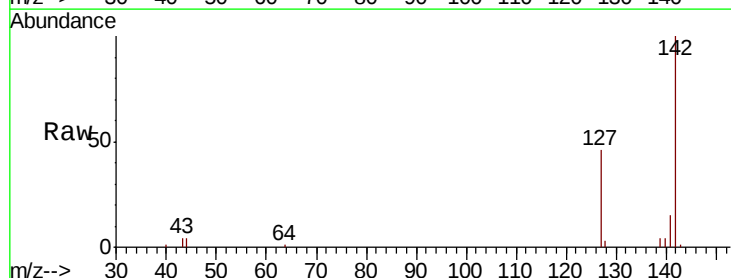
Tgt Ion:142 Resp: 17569

Ion Ratio Lower Upper

142 100

127 46.5 36.3 54.5

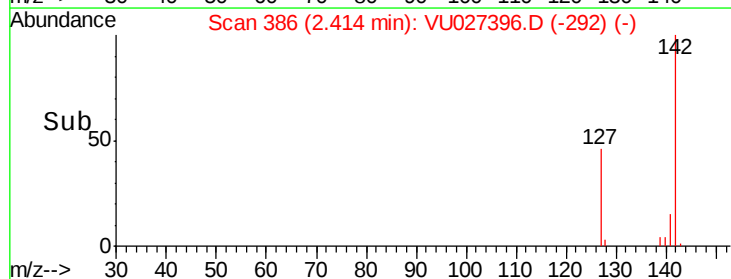
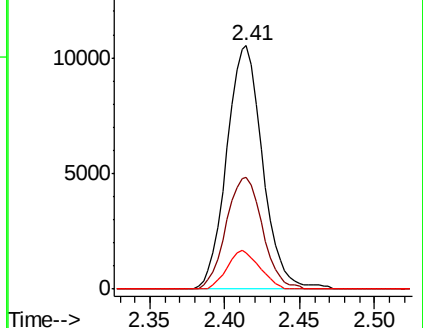
141 14.3 11.6 17.4

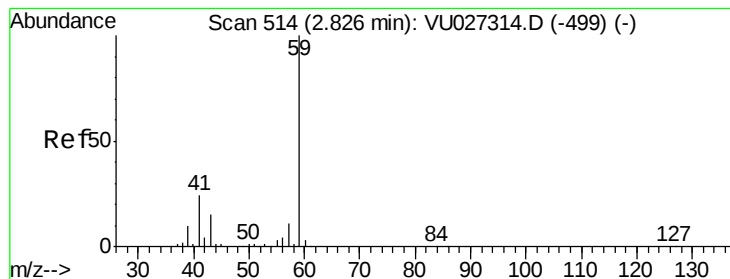


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



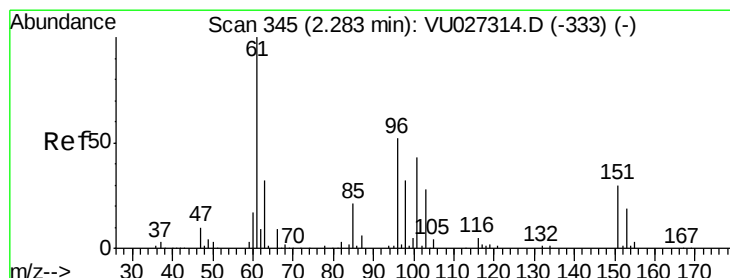
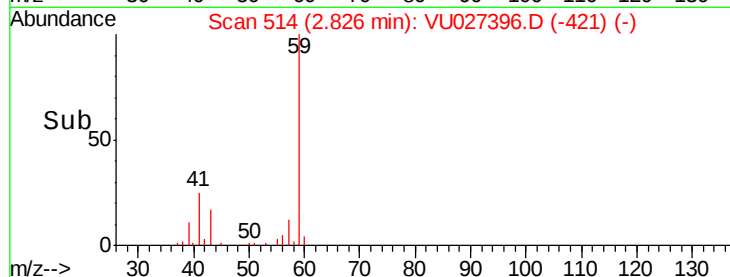
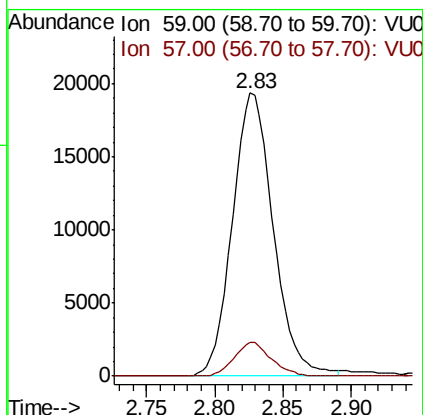
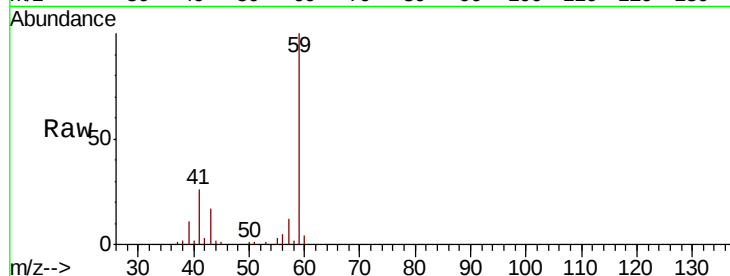


#11

Tert butyl alcohol
 Concen: 104.319 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. -0.00 min
 Lab File: VU027396.D
 Acq: 04 Oct 2018 10:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004MBSD02

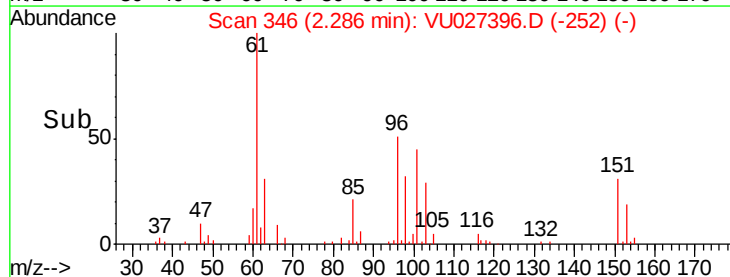
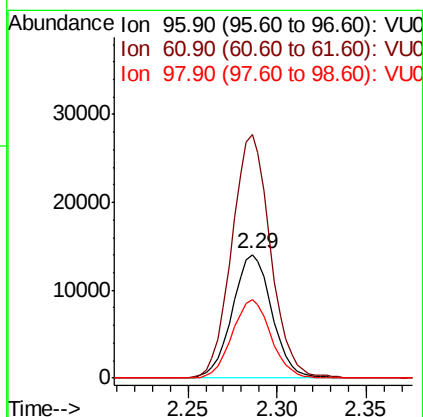
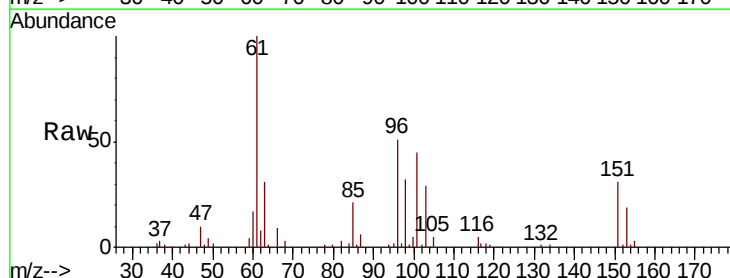
Tgt Ion: 59 Resp: 40275
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.4 12.6

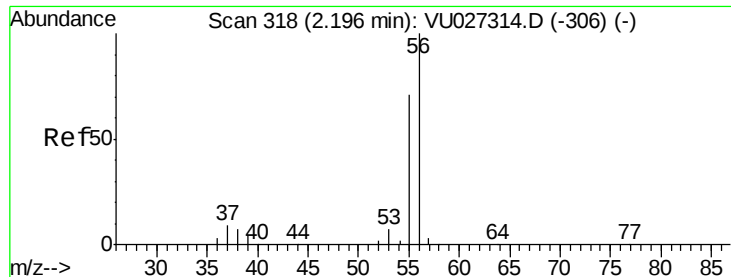


#12

1,1-Dichloroethene
 Concen: 18.784 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. 0.00 min
 Lab File: VU027396.D
 Acq: 04 Oct 2018 10:26

Tgt Ion: 96 Resp: 21785
 Ion Ratio Lower Upper
 96 100
 61 197.1 153.0 229.6
 98 63.2 49.3 73.9





#13

Acrolein

Concen: 48.179 ug/l

RT: 2.20 min Scan# 318

Delta R.T. -0.00 min

Lab File: VU027396.D

Acq: 04 Oct 2018 10:26

Instrument :

MSVOA_U

ClientSampleId :

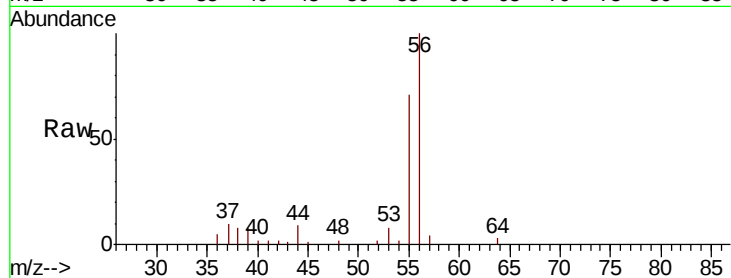
VU1004MBSD02

Tgt Ion: 56 Resp: 15608

Ion Ratio Lower Upper

56 100

55 70.2 57.7 86.5



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.20

12000

10000

8000

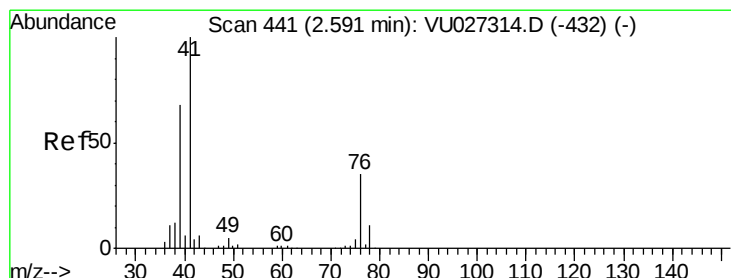
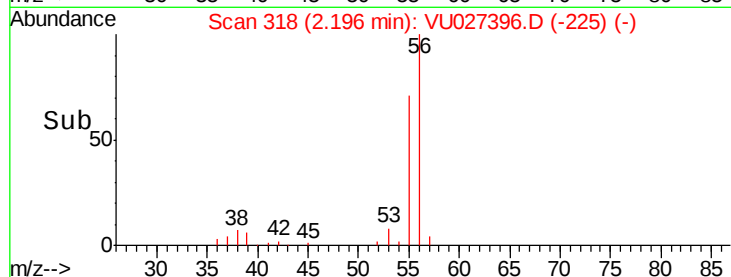
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 19.168 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU027396.D

Acq: 04 Oct 2018 10:26

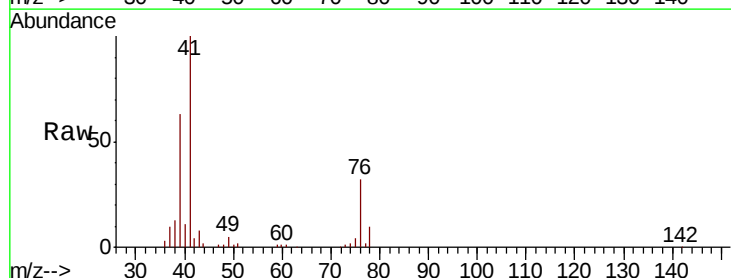
Tgt Ion: 41 Resp: 52789

Ion Ratio Lower Upper

41 100

39 66.3 51.8 77.8

76 32.6 25.9 38.9



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

2.59

40000

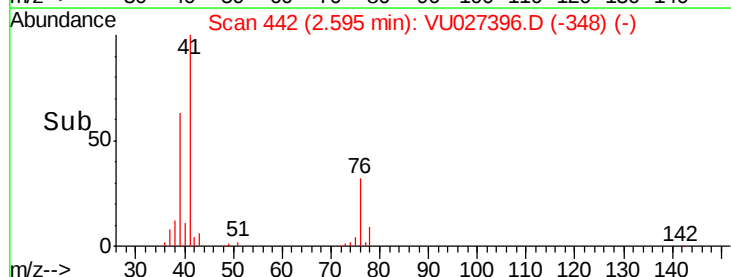
30000

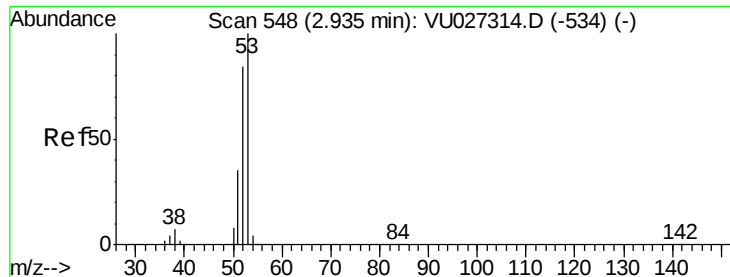
20000

10000

0

Time-->





#15

Acrylonitrile

Concen: 105.127 ug/l

RT: 2.94 min Scan# 548

Delta R.T. -0.00 min

Lab File: VU027396.D

Acq: 04 Oct 2018 10:26

Instrument :

MSVOA_U

ClientSampleId :

VU1004MBSD02

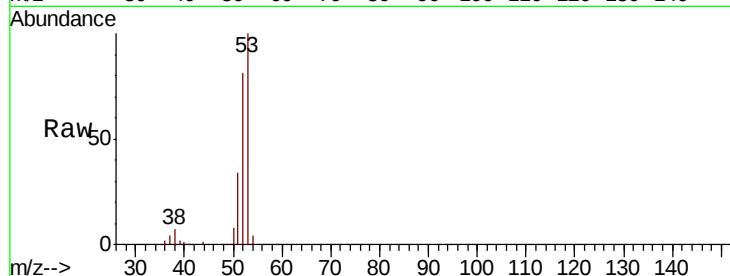
Tgt Ion: 53 Resp: 105637

Ion Ratio Lower Upper

53 100

52 83.1 66.5 99.7

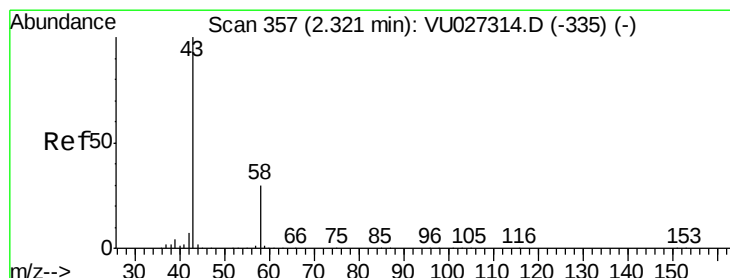
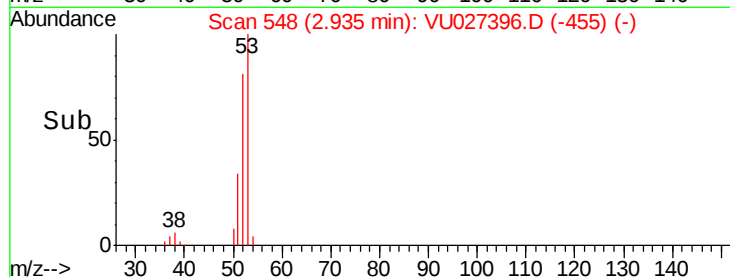
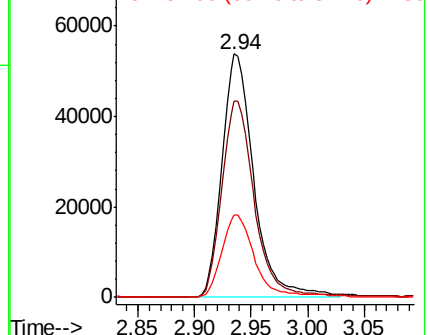
51 35.5 27.6 41.4



Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0



#16

Acetone

Concen: 89.461 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027396.D

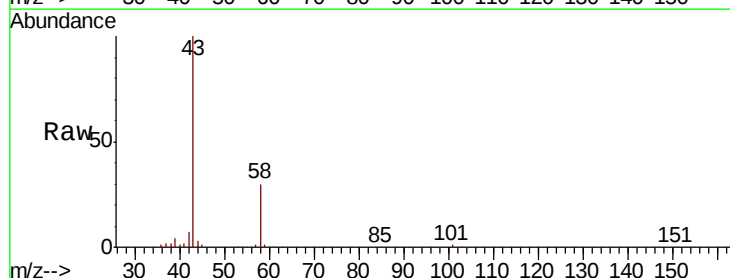
Acq: 04 Oct 2018 10:26

Tgt Ion: 43 Resp: 96894

Ion Ratio Lower Upper

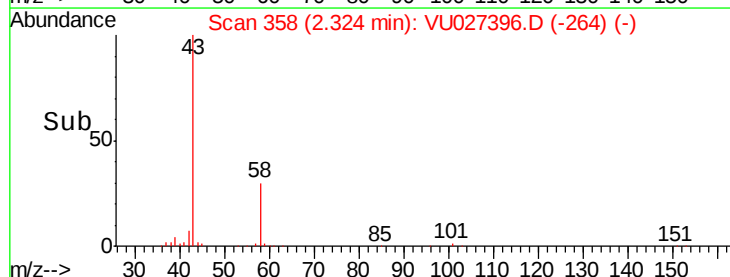
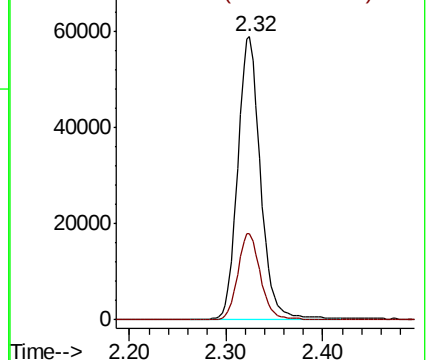
43 100

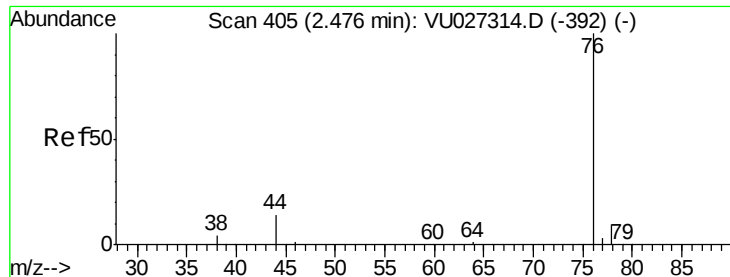
58 30.3 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

Carbon Disulfide

Concen: 17.139 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027396.D

Acq: 04 Oct 2018 10:26

Instrument :

MSVOA_U

ClientSampleId :

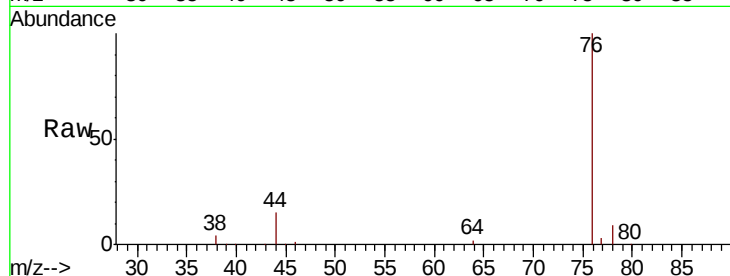
VU1004MBSD02

Tgt Ion: 76 Resp: 71689

Ion Ratio Lower Upper

76 100

78 8.7 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.48

50000

40000

30000

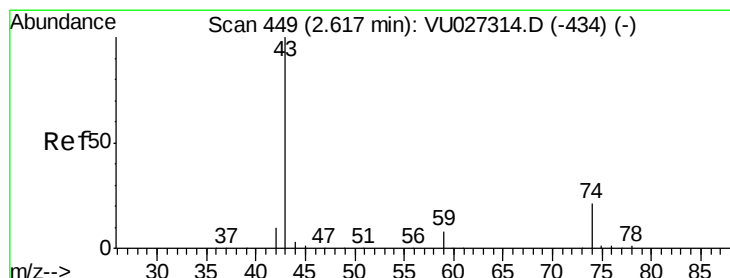
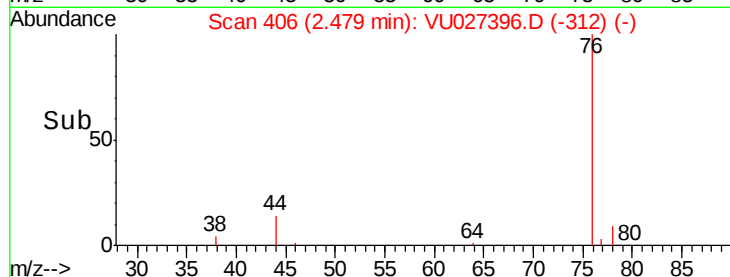
20000

10000

0

Time-->

2.40 2.45 2.50 2.55 2.60



#18

Methyl Acetate

Concen: 22.368 ug/l

RT: 2.62 min Scan# 449

Delta R.T. -0.00 min

Lab File: VU027396.D

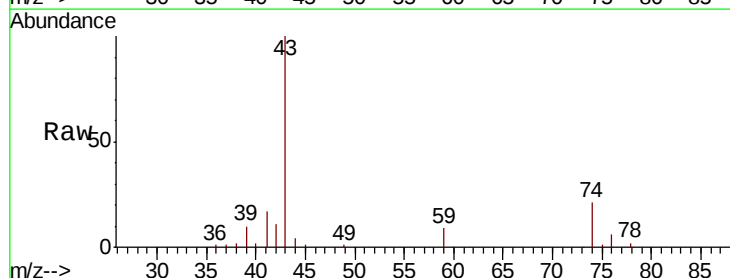
Acq: 04 Oct 2018 10:26

Tgt Ion: 43 Resp: 55267

Ion Ratio Lower Upper

43 100

74 20.3 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.62

30000

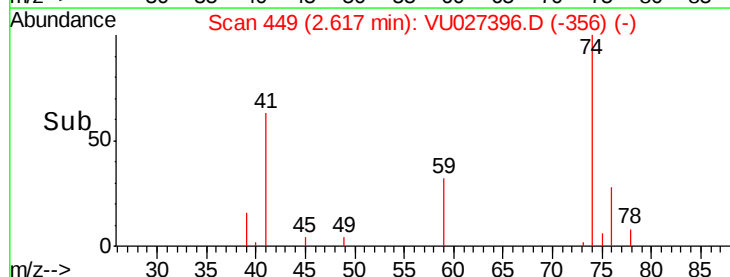
20000

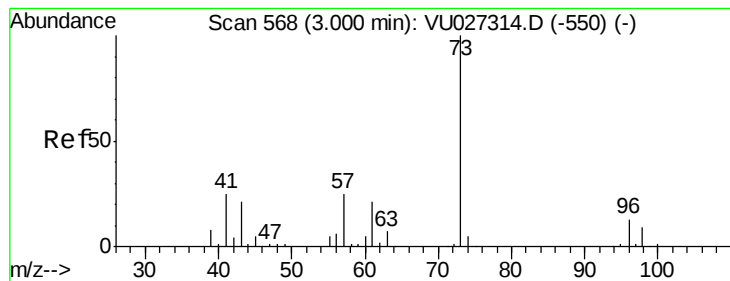
10000

0

Time-->

2.55 2.60 2.65 2.70



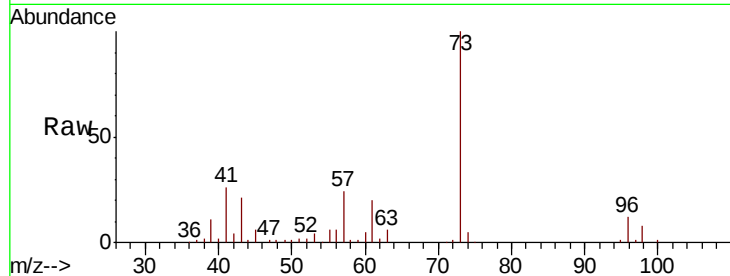


#19

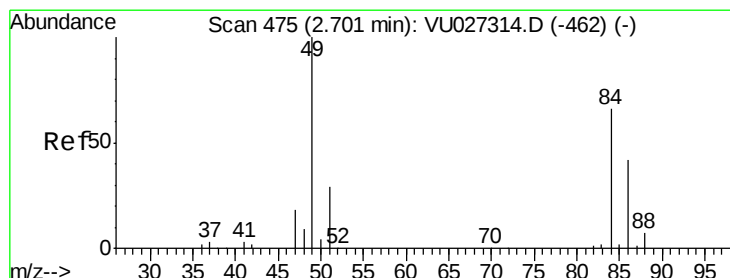
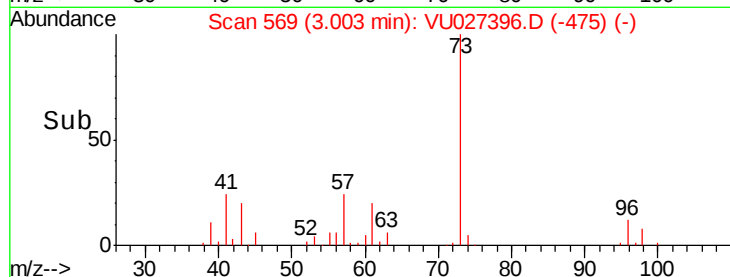
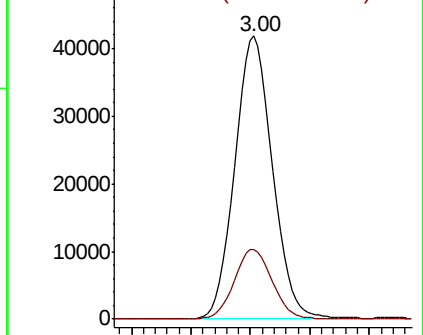
Methyl tert-butyl Ether
 Concen: 19.741 ug/l
 RT: 3.00 min Scan# 569
 Delta R.T. 0.00 min
 Lab File: VU027396.D
 Acq: 04 Oct 2018 10:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004MBSD02

Tgt Ion: 73 Resp: 91737
 Ion Ratio Lower Upper
 73 100
 57 24.4 20.0 30.0



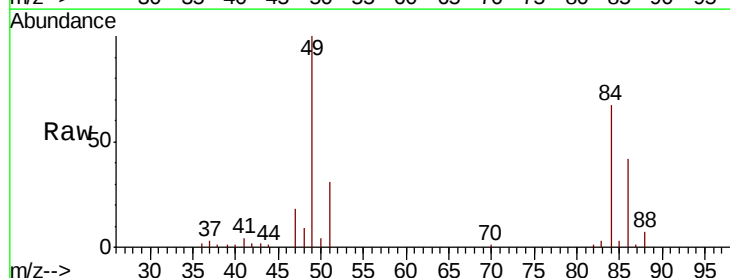
Abundance Ion 73.00 (72.70 to 73.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0



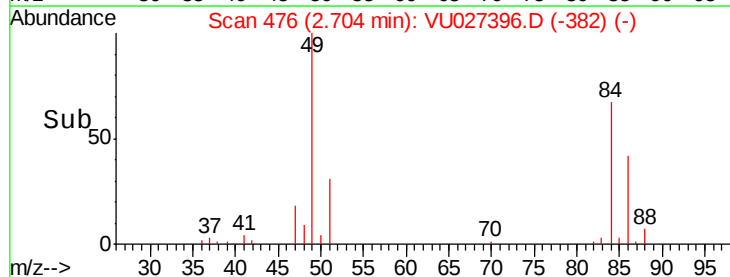
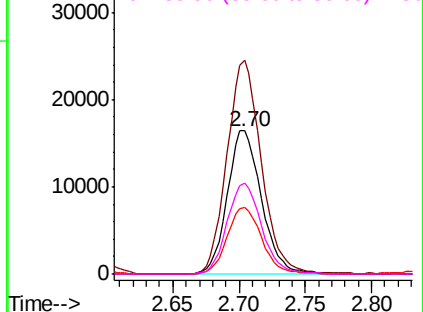
#20

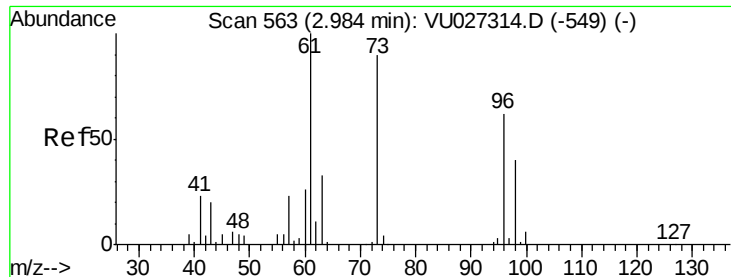
Methylene Chloride
 Concen: 19.567 ug/l
 RT: 2.70 min Scan# 476
 Delta R.T. 0.00 min
 Lab File: VU027396.D
 Acq: 04 Oct 2018 10:26

Tgt Ion: 84 Resp: 29521
 Ion Ratio Lower Upper
 84 100
 49 149.0 120.5 180.7
 51 46.2 35.1 52.7
 86 63.3 50.5 75.7



Abundance Ion 83.90 (83.60 to 84.60): VU0
 Ion 48.90 (48.60 to 49.60): VU0
 Ion 50.90 (50.60 to 51.60): VU0
 Ion 85.90 (85.60 to 86.60): VU0





#21

trans-1,2-Dichloroethene

Concen: 19.779 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027396.D

Acq: 04 Oct 2018 10:26

Instrument :

MSVOA_U

ClientSampleId :

VU1004MBSD02

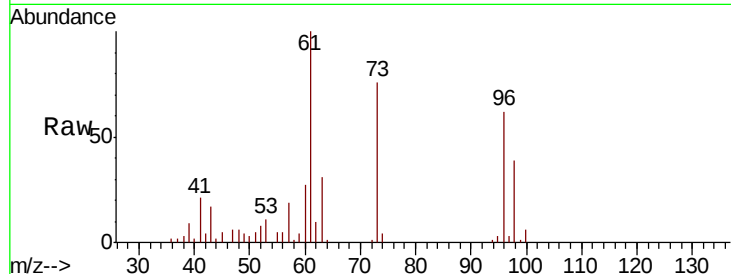
Tgt Ion: 96 Resp: 25753

Ion Ratio Lower Upper

96 100

61 161.1 129.4 194.2

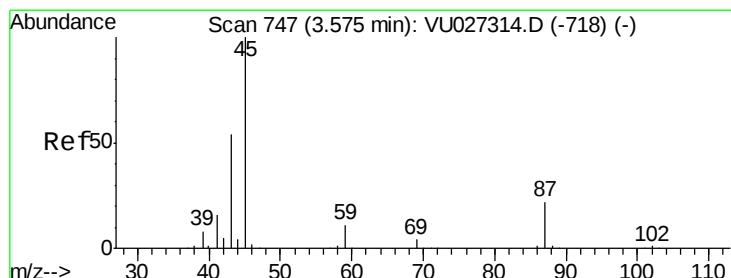
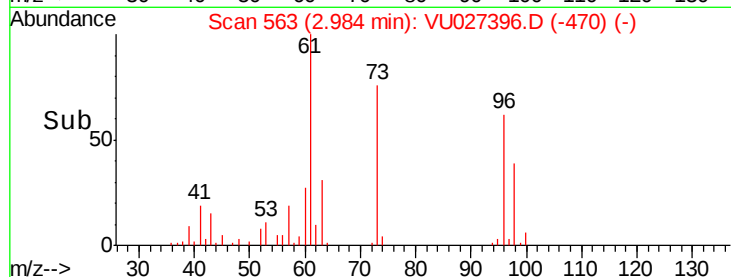
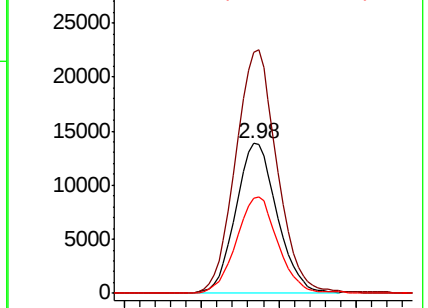
98 63.2 51.2 76.8



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: 20.189 ug/l

RT: 3.58 min Scan# 747

Delta R.T. -0.00 min

Lab File: VU027396.D

Acq: 04 Oct 2018 10:26

Tgt Ion: 45 Resp: 113009

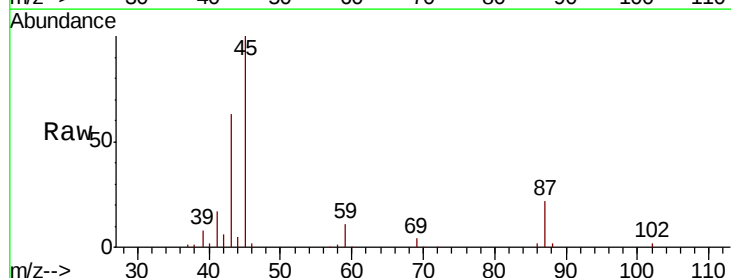
Ion Ratio Lower Upper

45 100

43 58.0 43.4 65.2

87 22.4 17.5 26.3

59 11.2 8.6 13.0

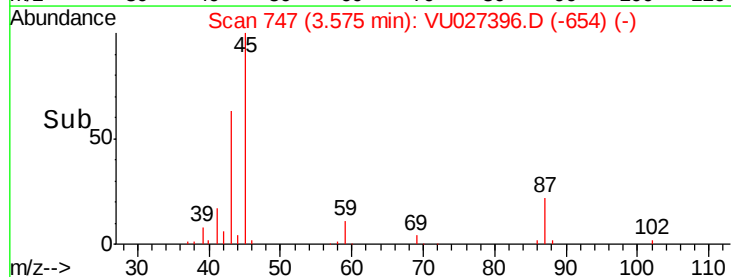
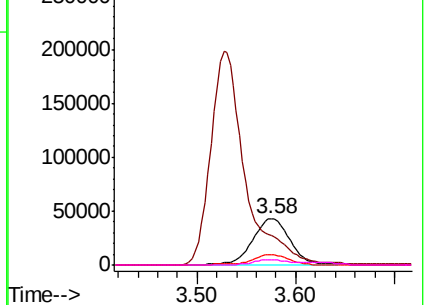


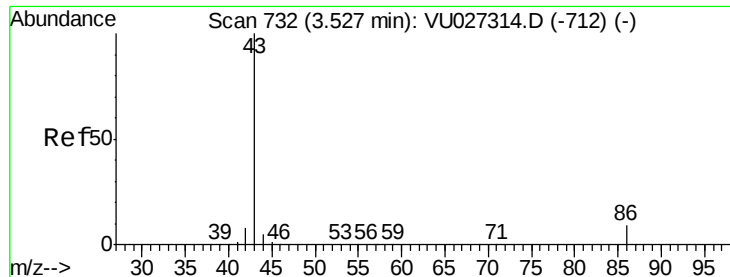
Abundance Ion 45.00 (44.70 to 45.70): VU0

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: 99.855 ug/l

RT: 3.53 min Scan# 732

Delta R.T. -0.00 min

Lab File: VU027396.D

Acq: 04 Oct 2018 10:26

Instrument :

MSVOA_U

ClientSampleId :

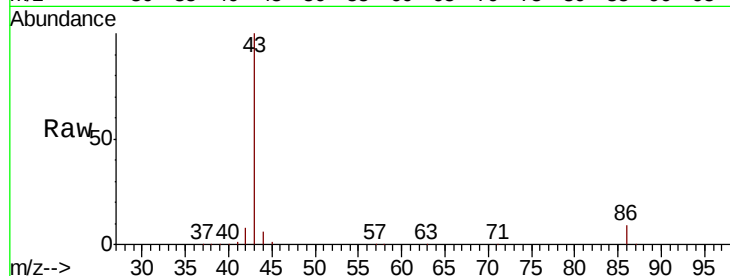
VU1004MBSD02

Tgt Ion: 43 Resp: 488132

Ion Ratio Lower Upper

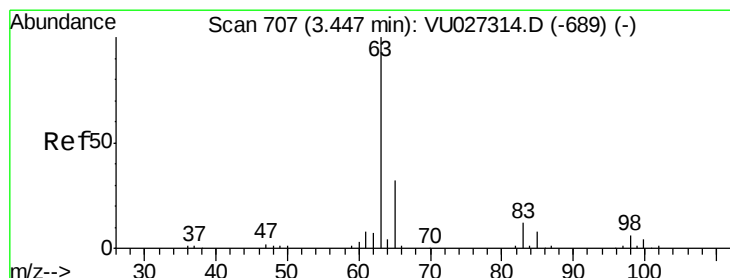
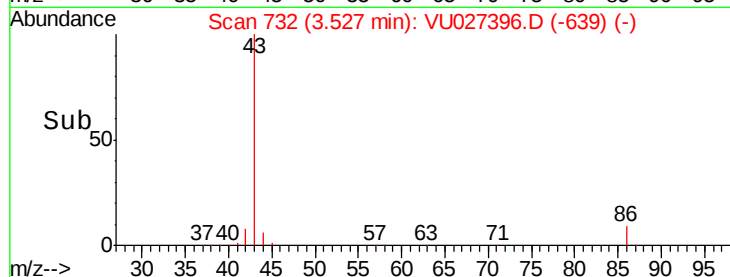
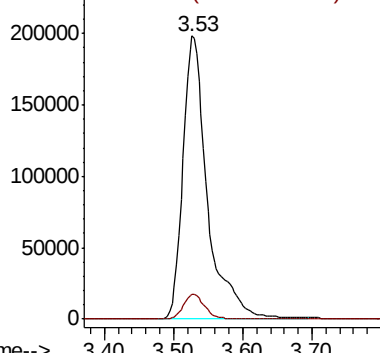
43 100

86 8.8 7.0 10.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 20.340 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU027396.D

Acq: 04 Oct 2018 10:26

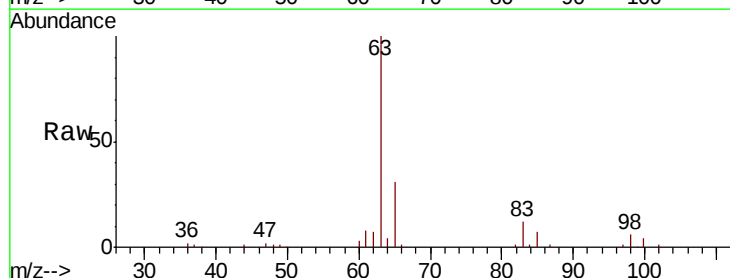
Tgt Ion: 63 Resp: 58530

Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.2

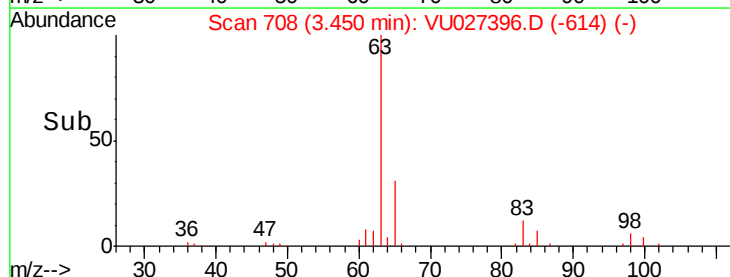
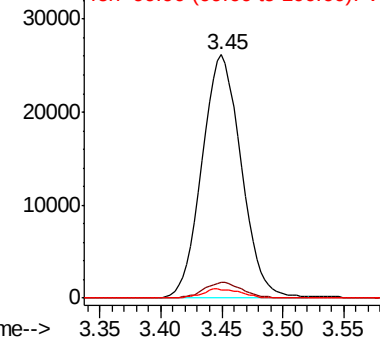
100 3.5 1.8 5.5

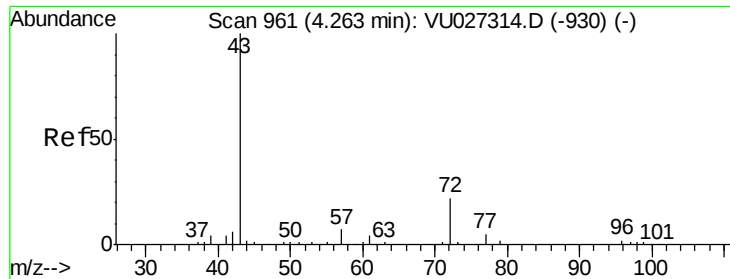


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 103.137 ug/l

RT: 4.26 min Scan# 961

Delta R.T. -0.00 min

Lab File: VU027396.D

Acq: 04 Oct 2018 10:26

Instrument :

MSVOA_U

ClientSampleId :

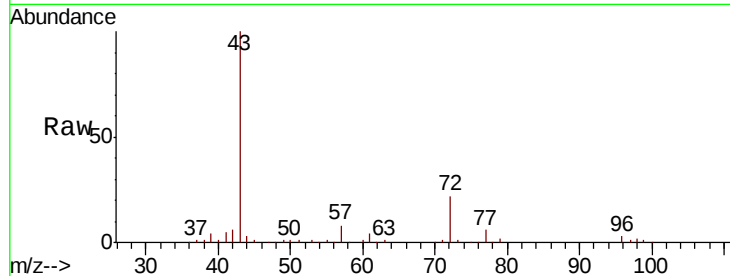
VU1004MBSD02

Tgt Ion: 43 Resp: 152328

Ion Ratio Lower Upper

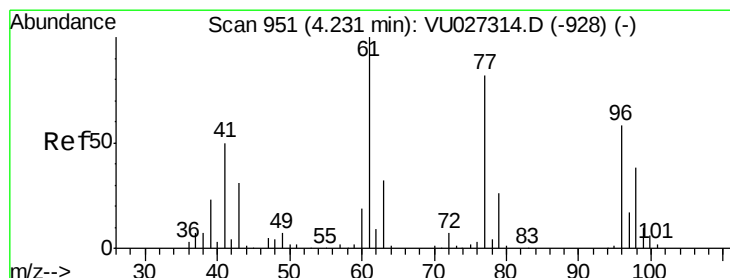
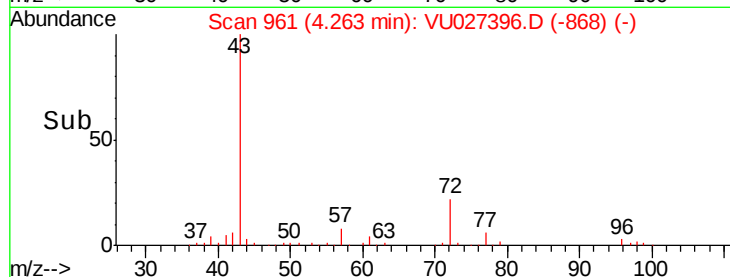
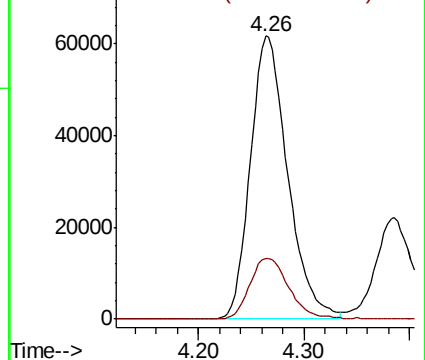
43 100

72 21.6 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 19.602 ug/l

RT: 4.23 min Scan# 951

Delta R.T. -0.00 min

Lab File: VU027396.D

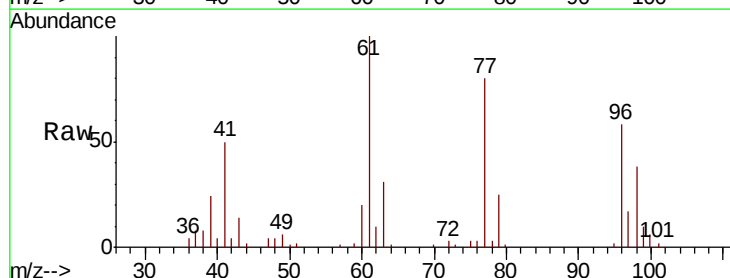
Acq: 04 Oct 2018 10:26

Tgt Ion: 77 Resp: 46349

Ion Ratio Lower Upper

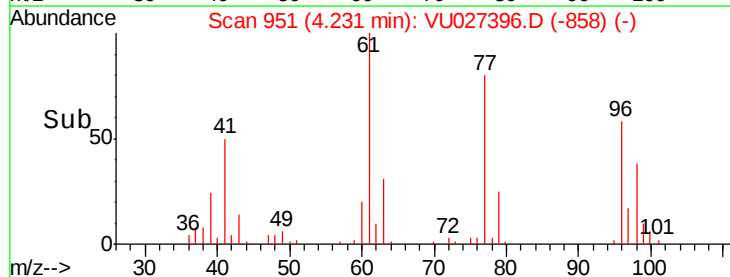
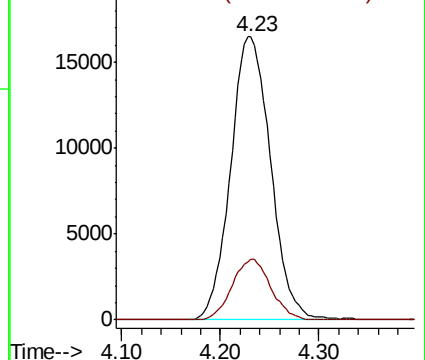
77 100

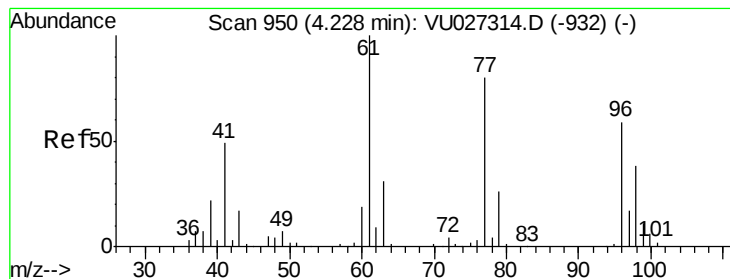
97 20.7 10.4 31.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0



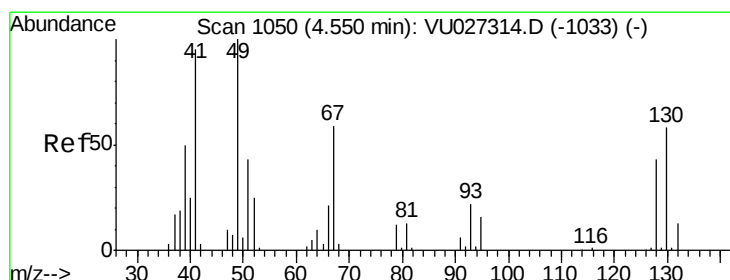
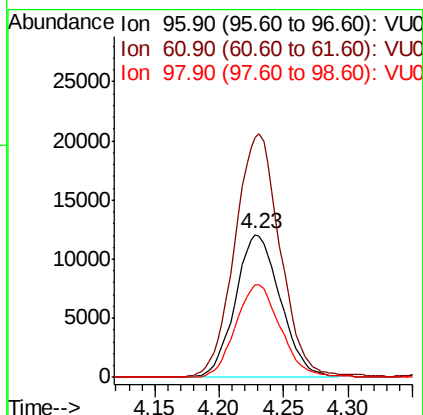
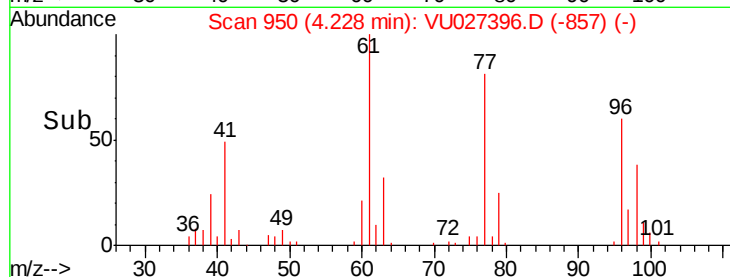
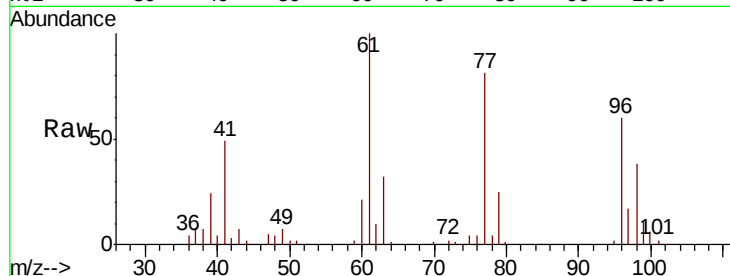


#27

cis-1,2-Dichloroethene
Concen: 19.687 ug/l
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU027396.D
Acq: 04 Oct 2018 10:26

Instrument :
MSVOA_U
ClientSampleId :
VU1004MBSD02

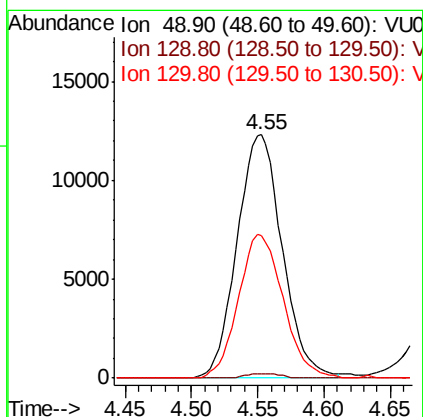
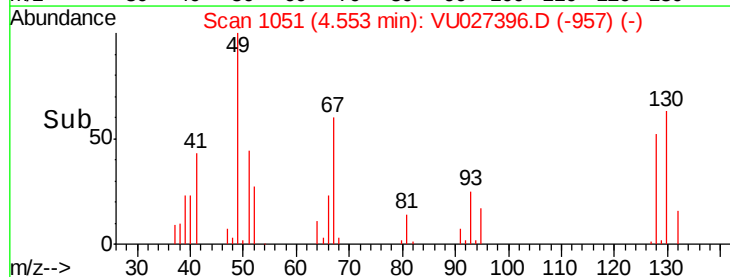
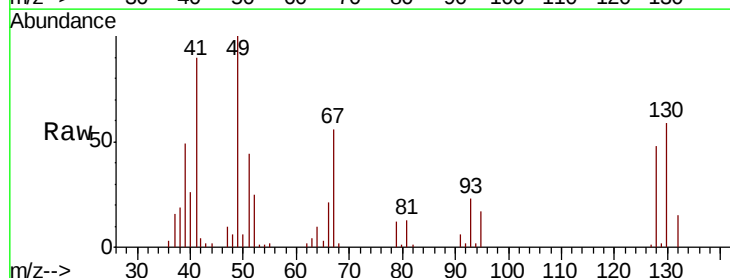
Tgt Ion: 96 Resp: 29315
Ion Ratio Lower Upper
96 100
61 171.7 0.0 343.8
98 64.8 0.0 129.0

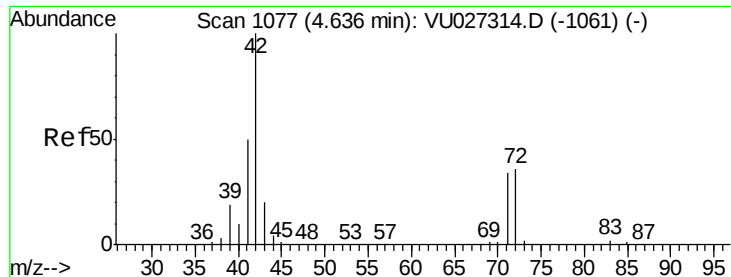


#28

Bromochloromethane
Concen: 20.934 ug/l
RT: 4.55 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VU027396.D
Acq: 04 Oct 2018 10:26

Tgt Ion: 49 Resp: 29063
Ion Ratio Lower Upper
49 100
129 1.4 0.0 3.0
130 58.5 46.1 69.1

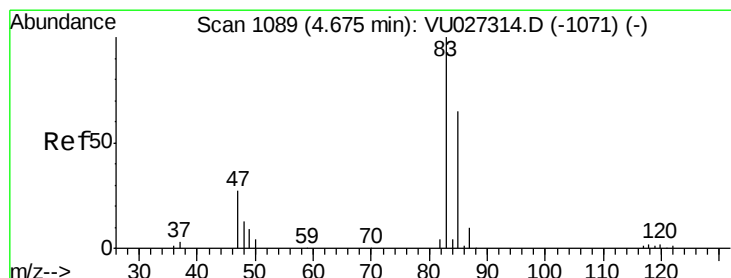
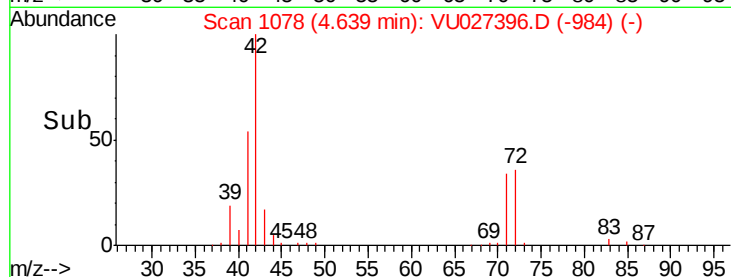
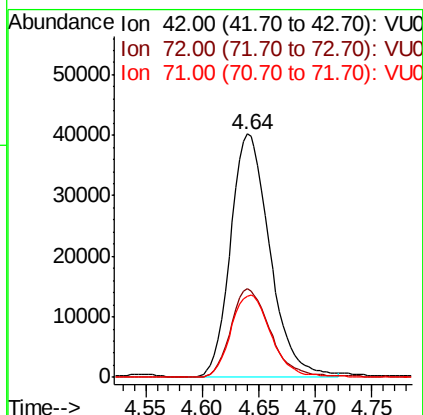
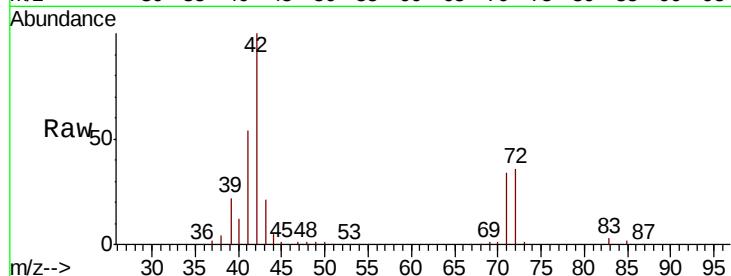




#29
Tetrahydrofuran
Concen: 103.799 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VU027396.D
Acq: 04 Oct 2018 10:26

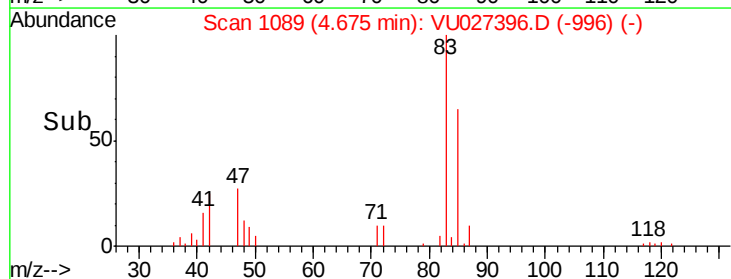
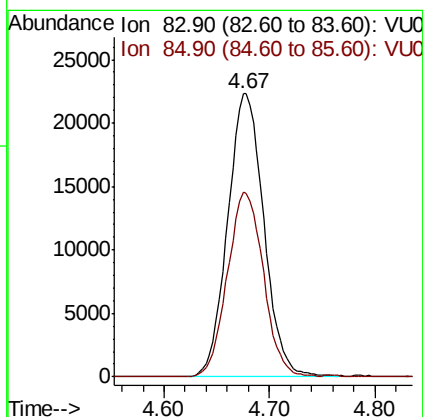
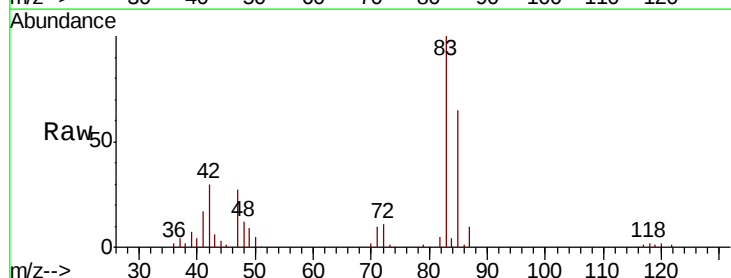
Instrument :
MSVOA_U
ClientSampleId :
VU1004MBSD02

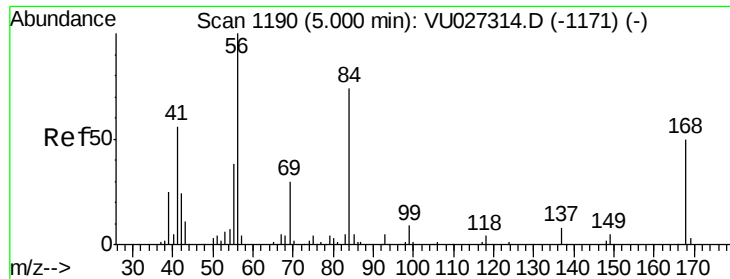
Tgt Ion: 42 Resp: 96616
Ion Ratio Lower Upper
42 100
72 36.9 30.1 45.1
71 34.8 27.7 41.5



#30
Chloroform
Concen: 20.768 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU027396.D
Acq: 04 Oct 2018 10:26

Tgt Ion: 83 Resp: 53096
Ion Ratio Lower Upper
83 100
85 65.4 51.8 77.6

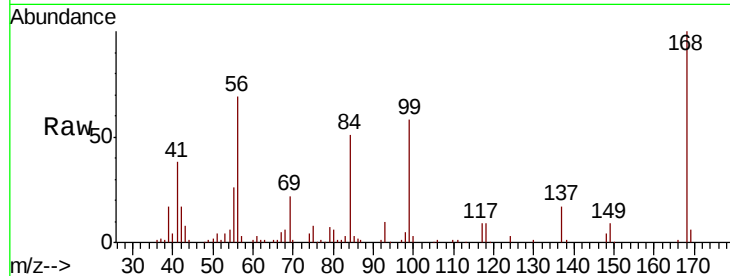




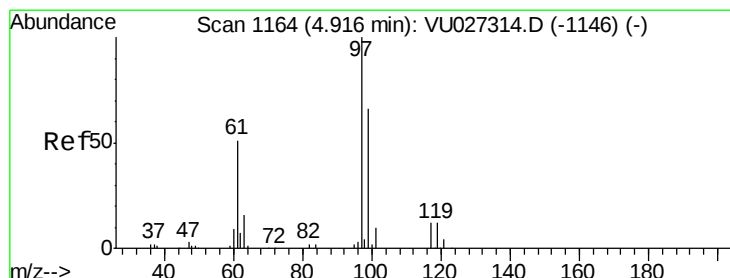
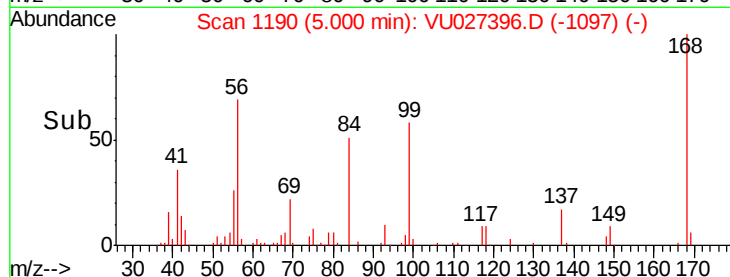
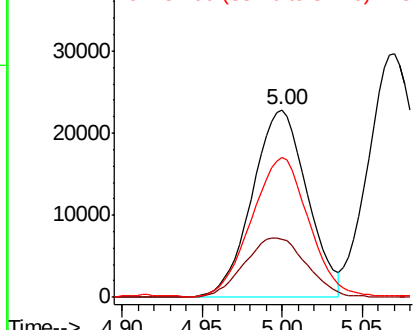
#31
Cyclohexane
Concen: 18.364 ug/l
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU027396.D
Acq: 04 Oct 2018 10:26

Instrument :
MSVOA_U
ClientSampleId :
VU1004MBSD02

Tgt Ion: 56 Resp: 54442
Ion Ratio Lower Upper
56 100
69 31.3 24.1 36.1
84 74.0 59.1 88.7

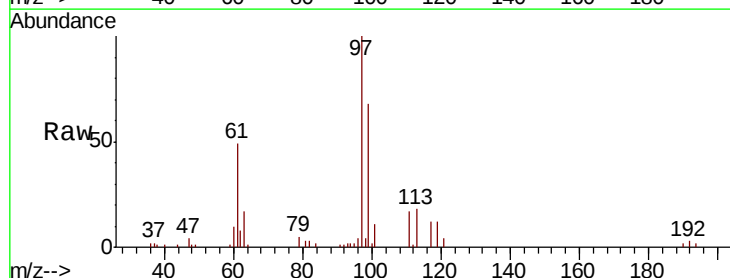


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

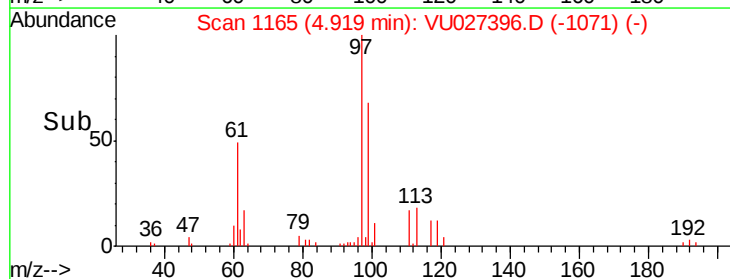
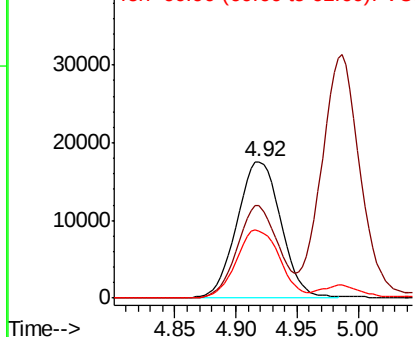


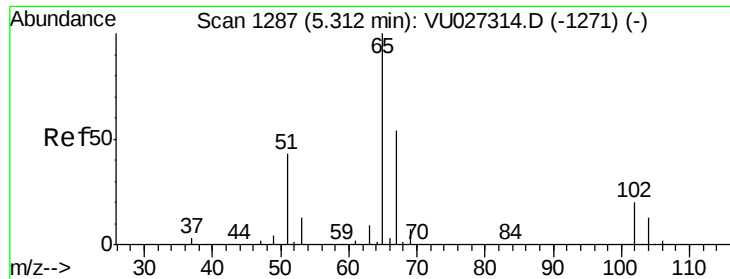
#32
1,1,1-Trichloroethane
Concen: 20.400 ug/l
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU027396.D
Acq: 04 Oct 2018 10:26

Tgt Ion: 97 Resp: 43926
Ion Ratio Lower Upper
97 100
99 62.9 51.1 76.7
61 50.0 39.6 59.4



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

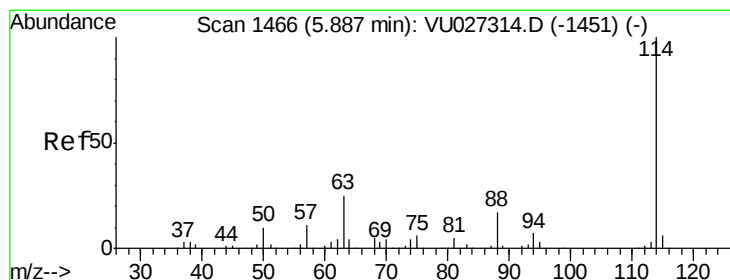
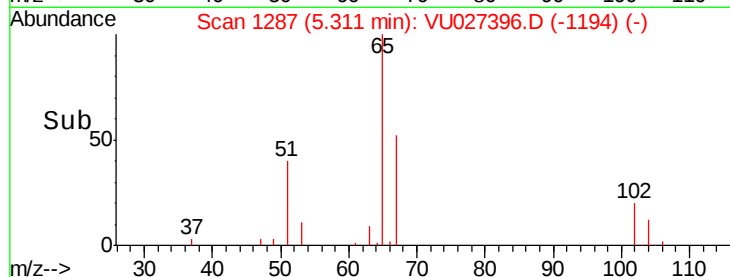
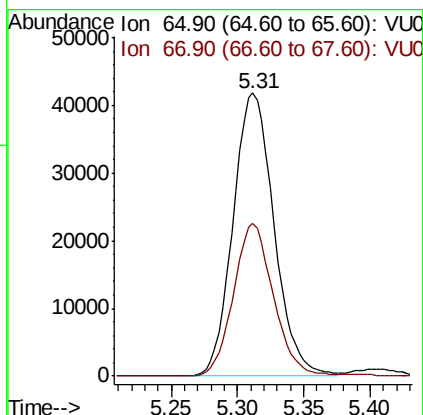
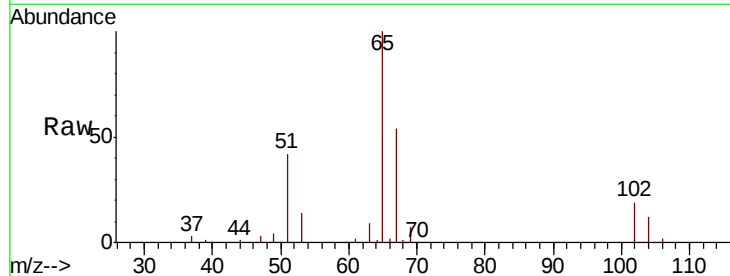




#33
 1,2-Dichloroethane-d4
 Concen: 49.019 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027396.D
 Acq: 04 Oct 2018 10:26

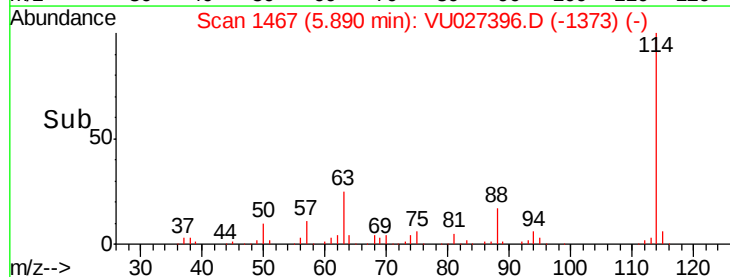
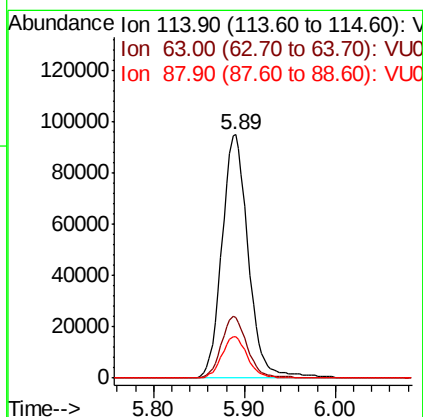
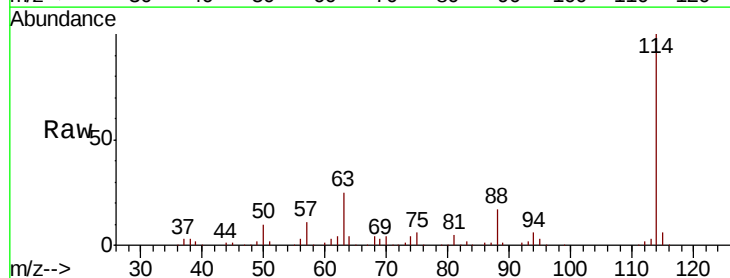
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004MBSD02

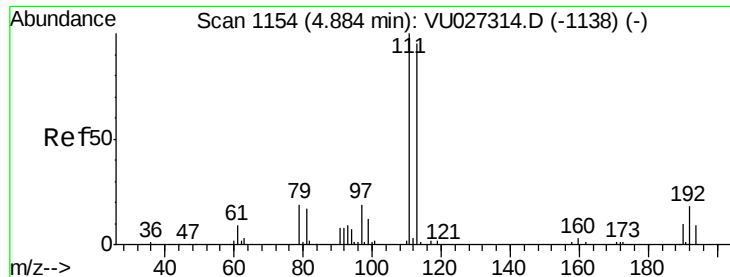
Tgt Ion: 65 Resp: 89870
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027396.D
 Acq: 04 Oct 2018 10:26

Tgt Ion: 114 Resp: 191372
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 50.2
 88 16.9 0.0 33.8

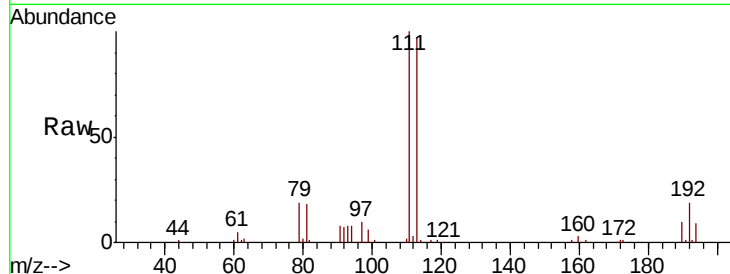




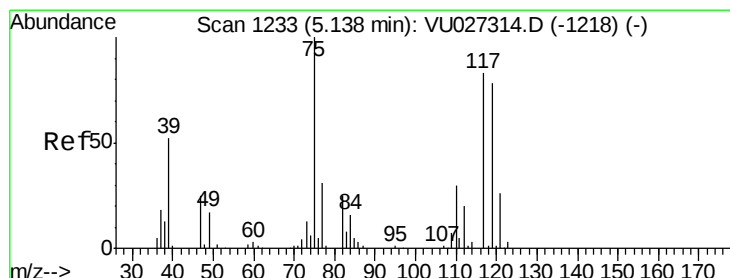
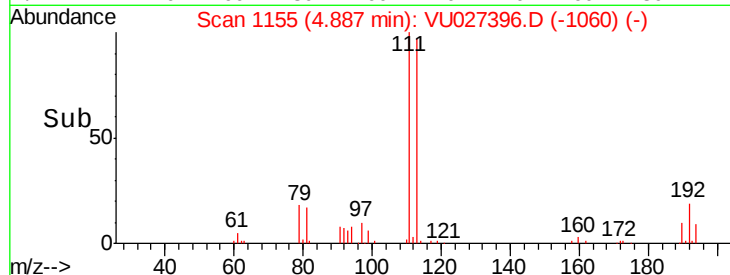
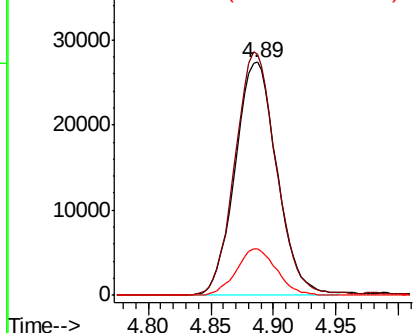
#35
 Dibromofluoromethane
 Concen: 48.426 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027396.D
 Acq: 04 Oct 2018 10:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004MBSD02

Tgt Ion: 113 Resp: 63512
 Ion Ratio Lower Upper
 113 100
 111 102.8 83.1 124.7
 192 19.1 15.4 23.0

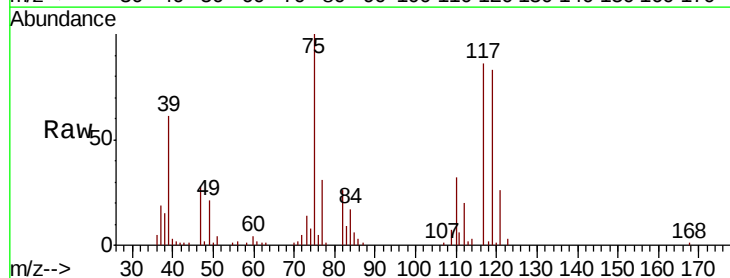


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

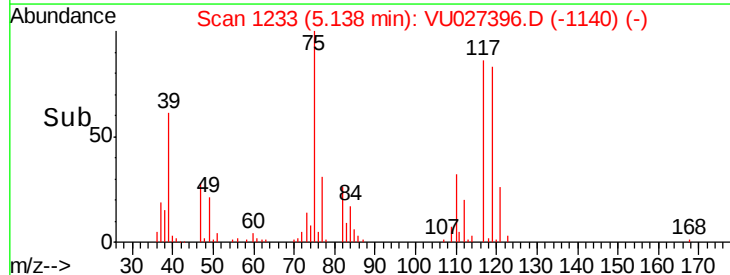
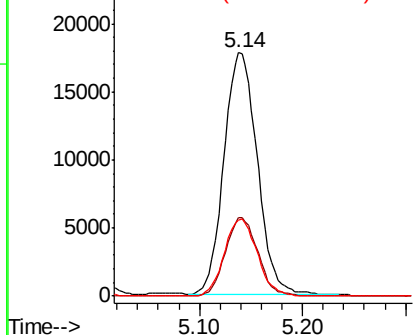


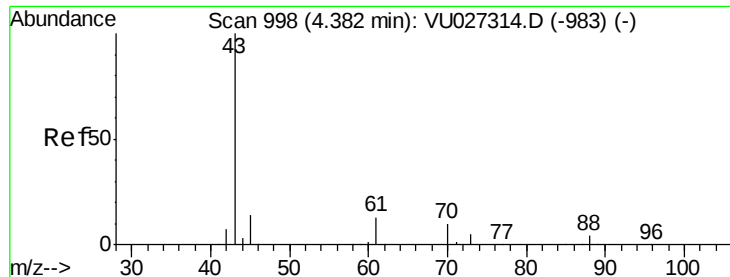
#36
 1,1-Dichloropropene
 Concen: 19.263 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VU027396.D
 Acq: 04 Oct 2018 10:26

Tgt Ion: 75 Resp: 40026
 Ion Ratio Lower Upper
 75 100
 110 31.4 15.5 46.5
 77 31.3 25.4 38.0



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

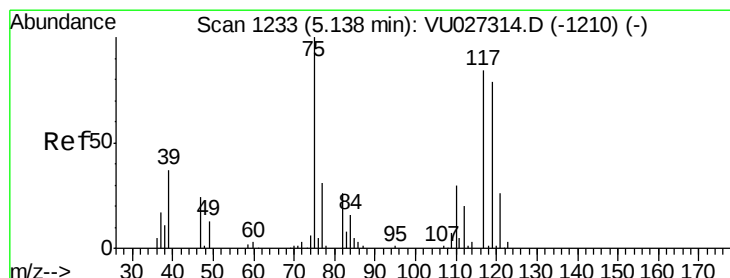
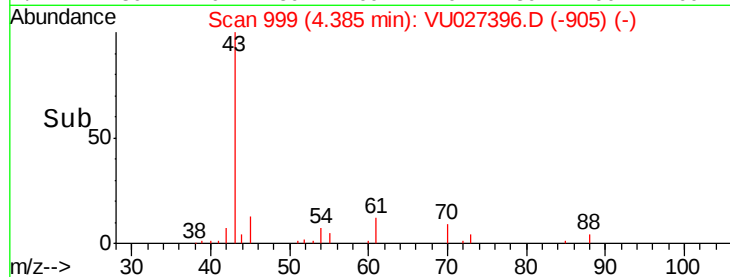
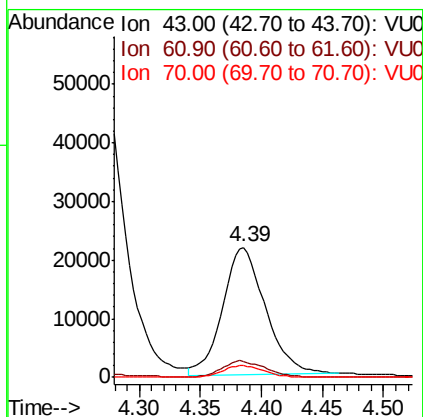
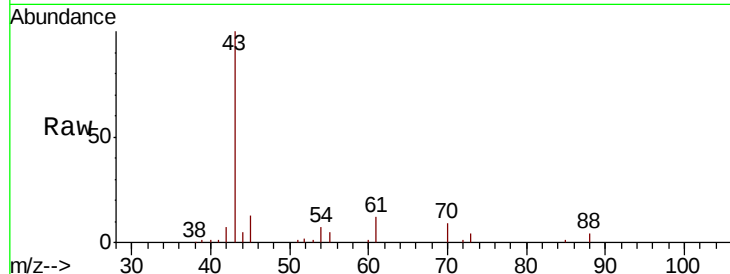




#37
Ethyl Acetate
Concen: 19.745 ug/l
RT: 4.39 min Scan# 999
Delta R.T. 0.00 min
Lab File: VU027396.D
Acq: 04 Oct 2018 10:26

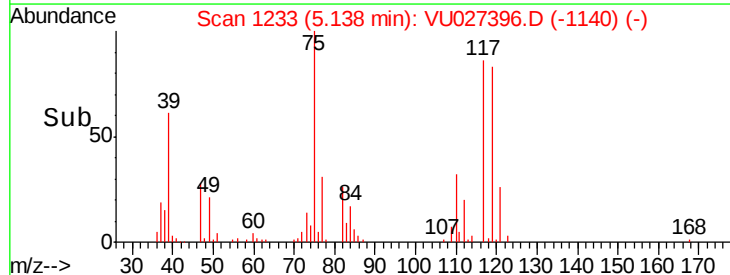
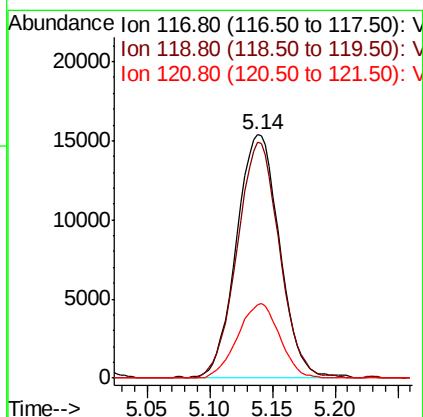
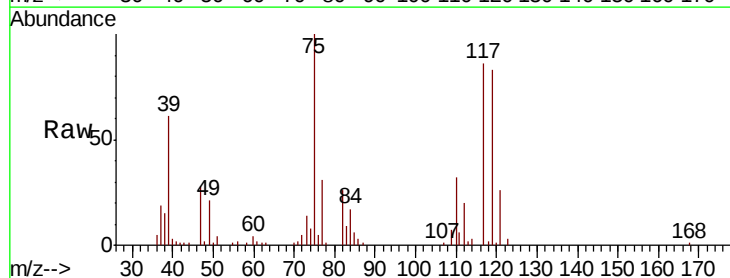
Instrument :
MSVOA_U
ClientSampleId :
VU1004MBSD02

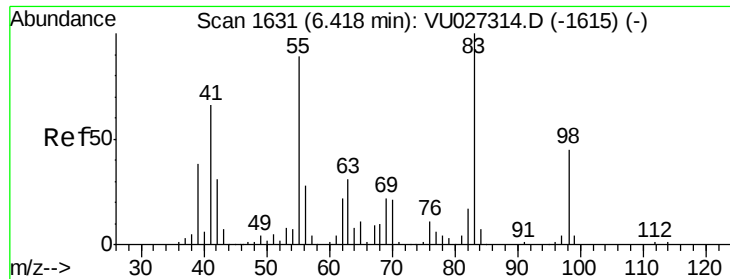
Tgt Ion: 43 Resp: 53024
Ion Ratio Lower Upper
43 100
61 13.4 10.7 16.1
70 8.9 7.4 11.2



#38
Carbon Tetrachloride
Concen: 19.590 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VU027396.D
Acq: 04 Oct 2018 10:26

Tgt Ion: 117 Resp: 36769
Ion Ratio Lower Upper
117 100
119 96.7 74.5 111.7
121 30.0 24.6 37.0

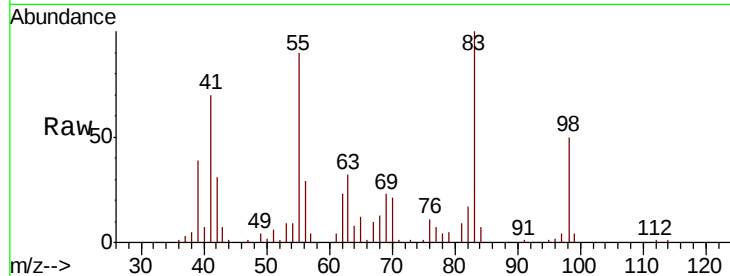




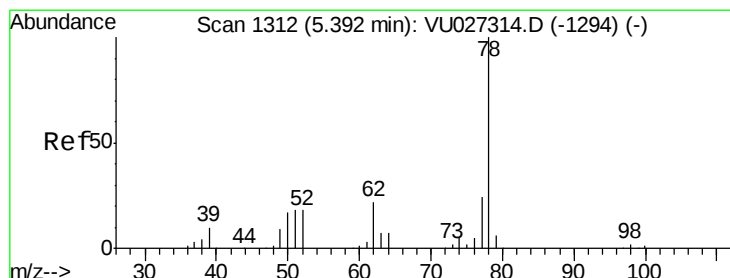
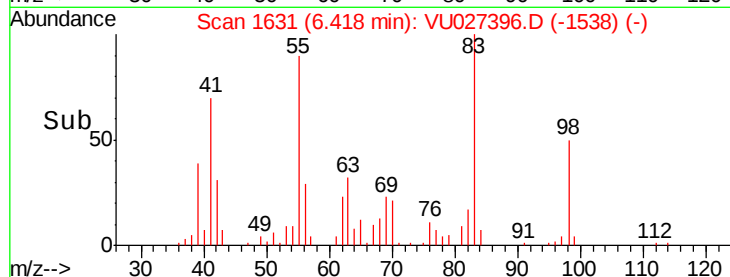
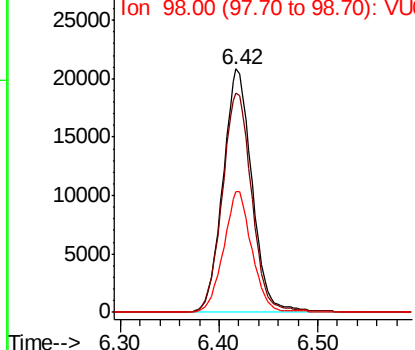
#39
Methylcyclohexane
Concen: 17.747 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU027396.D
Acq: 04 Oct 2018 10:26

Instrument :
MSVOA_U
ClientSampleId :
VU1004MBSD02

Tgt Ion: 83 Resp: 43106
Ion Ratio Lower Upper
83 100
55 89.9 71.1 106.7
98 49.6 36.3 54.5

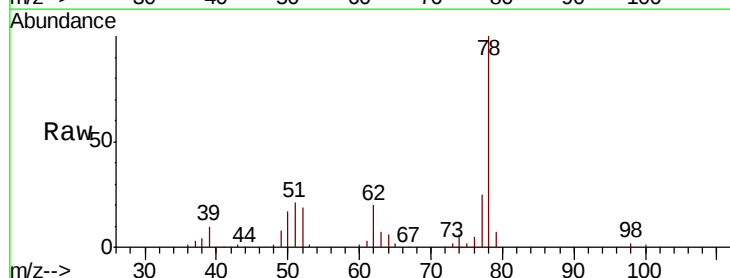


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

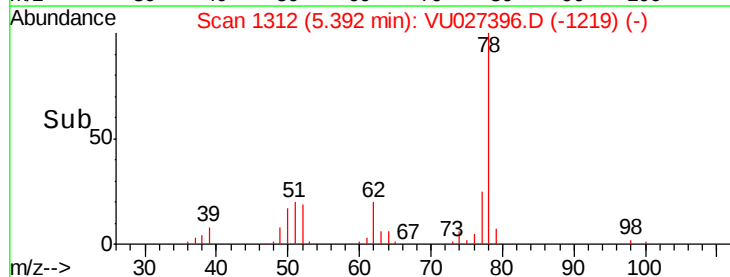
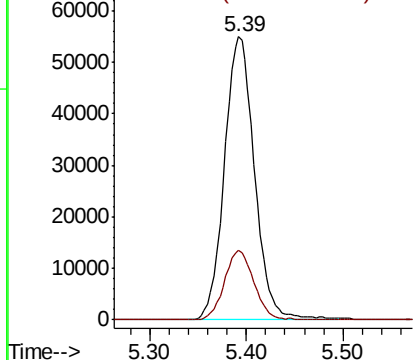


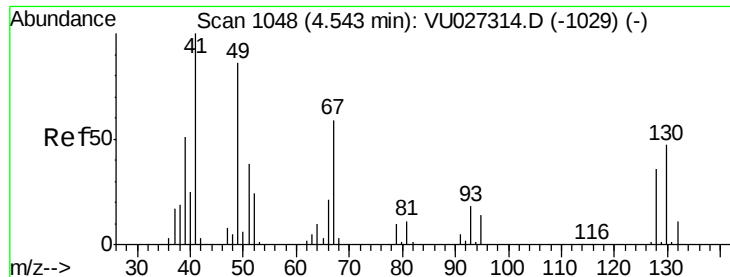
#40
Benzene
Concen: 19.597 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU027396.D
Acq: 04 Oct 2018 10:26

Tgt Ion: 78 Resp: 118610
Ion Ratio Lower Upper
78 100
77 24.6 19.3 28.9



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

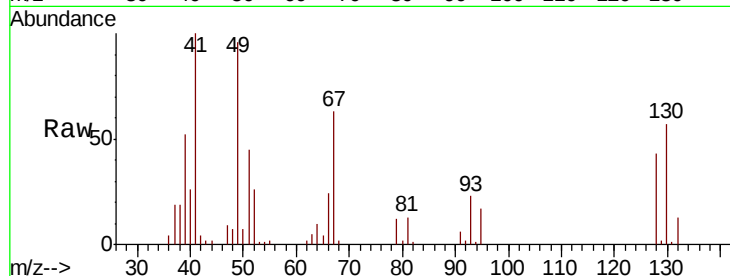




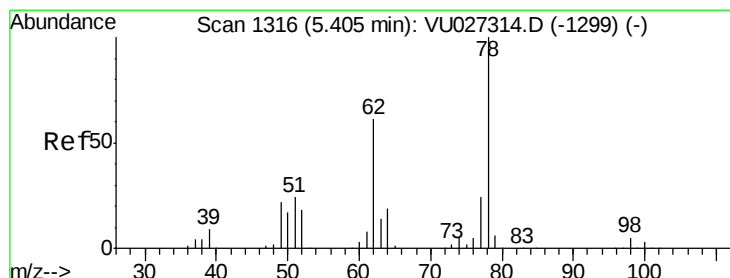
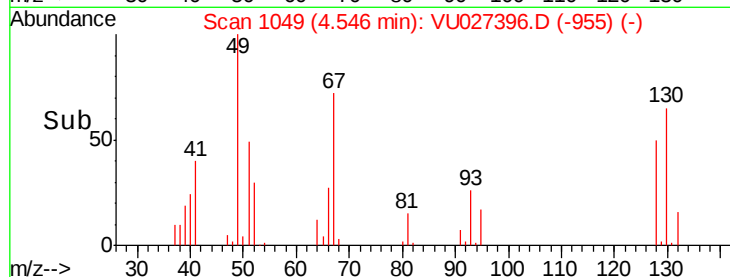
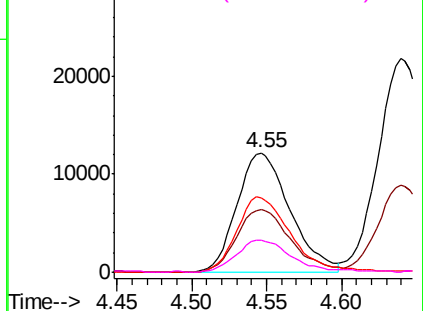
#41
Methacrylonitrile
Concen: 19.812 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU027396.D
Acq: 04 Oct 2018 10:26

Instrument :
MSVOA_U
ClientSampleId :
VU1004MBSD02

Tgt Ion:	41	Resp:	30072
Ion	Ratio	Lower	Upper
41	100		
39	54.1	41.1	61.7
67	63.8	50.4	75.6
52	28.0	20.3	30.5

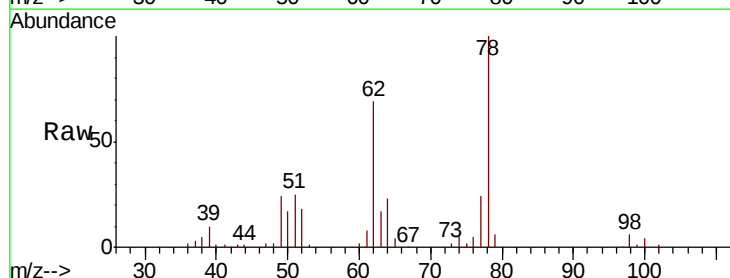


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

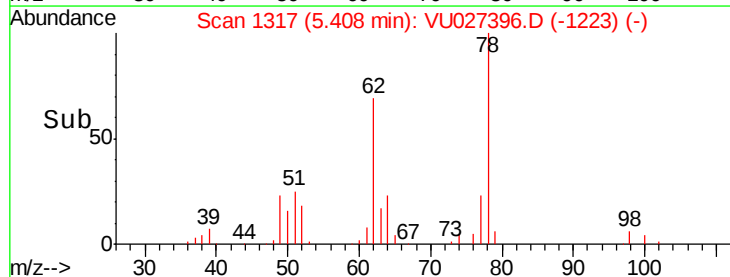
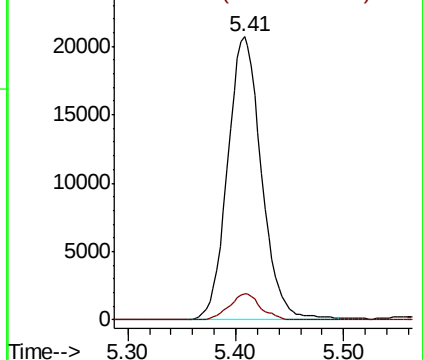


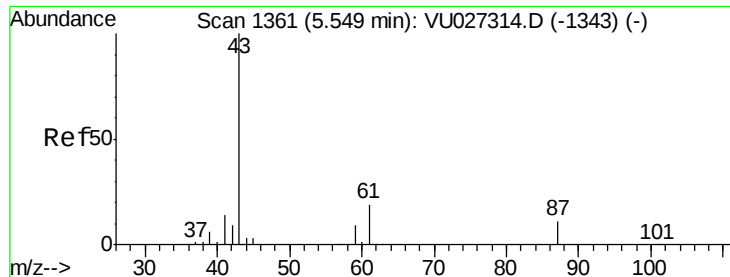
#42
1,2-Dichloroethane
Concen: 20.187 ug/l
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU027396.D
Acq: 04 Oct 2018 10:26

Tgt Ion:	62	Resp:	45353
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.8



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

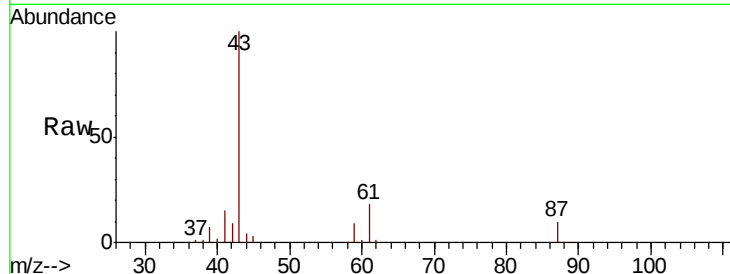




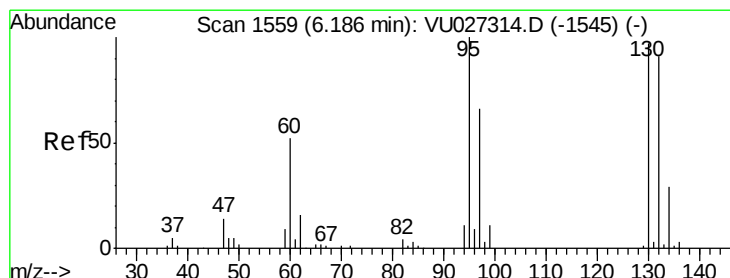
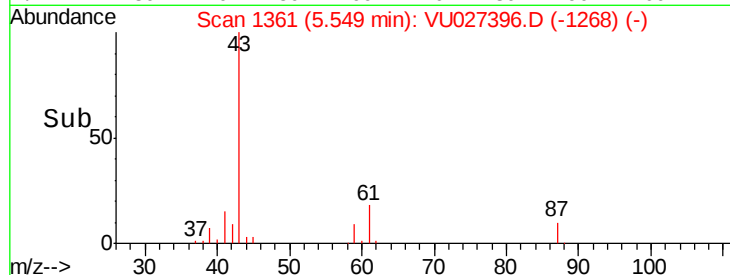
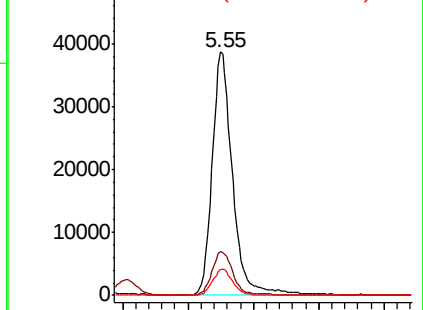
#43
Isopropyl Acetate
Concen: 20.153 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. -0.00 min
Lab File: VU027396.D
Acq: 04 Oct 2018 10:26

Instrument :
MSVOA_U
ClientSampleId :
VU1004MBSD02

Tgt Ion: 43 Resp: 84055
Ion Ratio Lower Upper
43 100
61 18.1 15.3 22.9
87 10.6 8.6 13.0

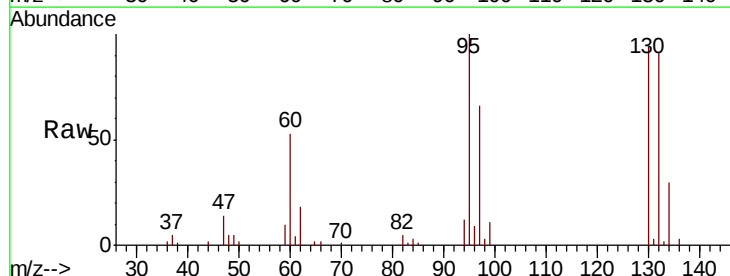


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 87.00 (86.70 to 87.70): VU0

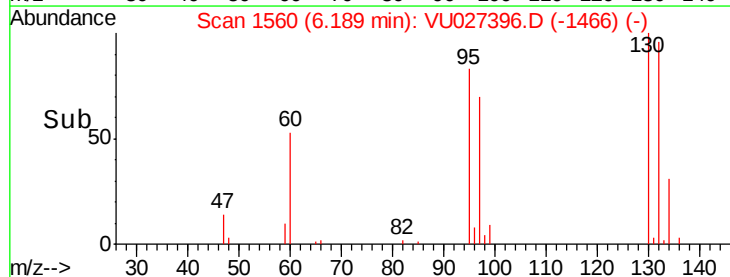
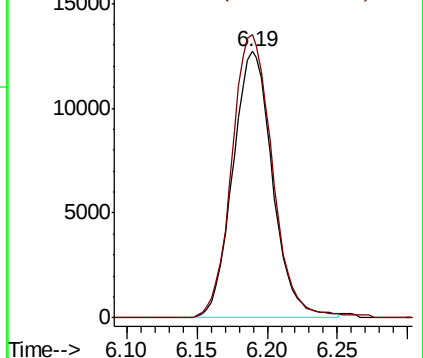


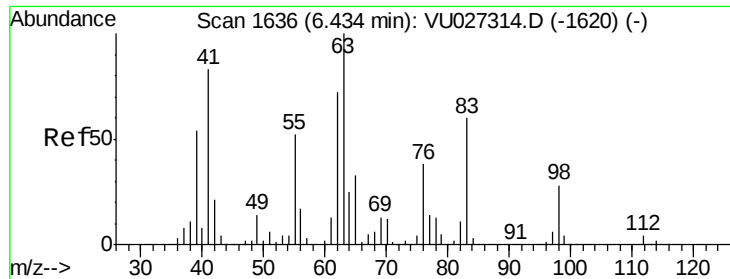
#44
Trichloroethene
Concen: 18.656 ug/l
RT: 6.19 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VU027396.D
Acq: 04 Oct 2018 10:26

Tgt Ion: 130 Resp: 25178
Ion Ratio Lower Upper
130 100
95 106.3 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VU0





#45

1,2-Dichloropropane

Concen: 19.672 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VU027396.D

Acq: 04 Oct 2018 10:26

Instrument :

MSVOA_U

ClientSampleId :

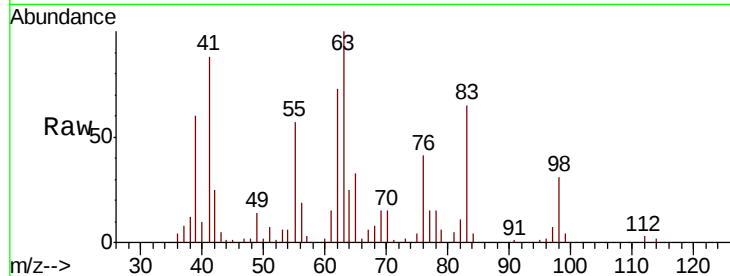
VU1004MBSD02

Tgt Ion: 63 Resp: 34343

Ion Ratio Lower Upper

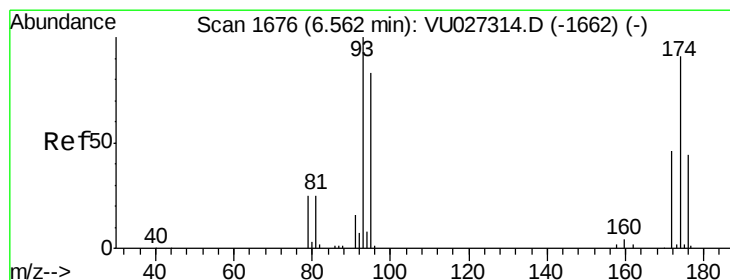
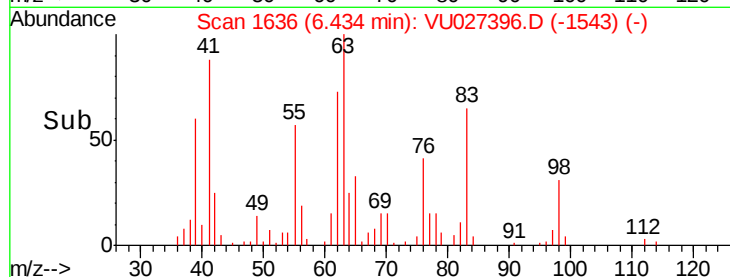
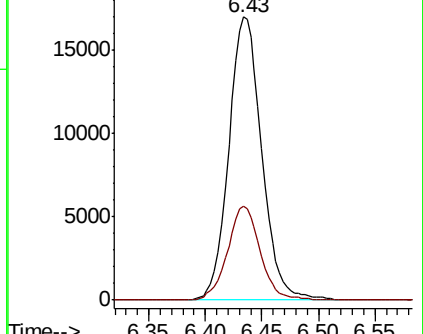
63 100

65 33.3 26.0 39.0



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 20.499 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. -0.00 min

Lab File: VU027396.D

Acq: 04 Oct 2018 10:26

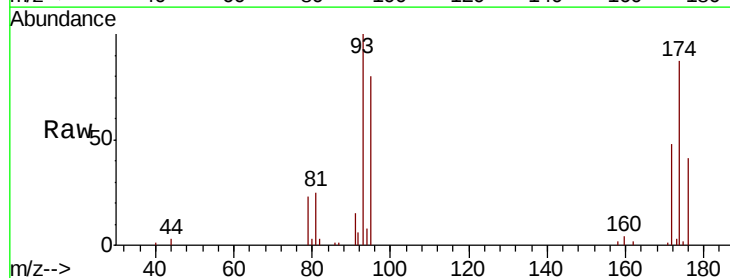
Tgt Ion: 93 Resp: 20212

Ion Ratio Lower Upper

93 100

95 80.5 66.5 99.7

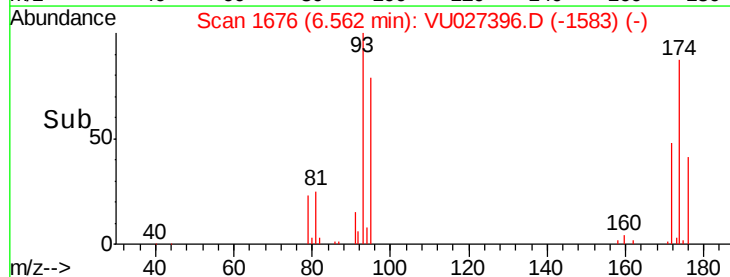
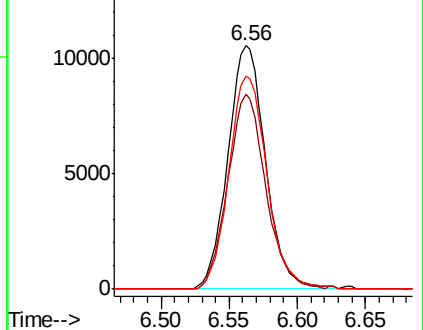
174 88.6 72.5 108.7

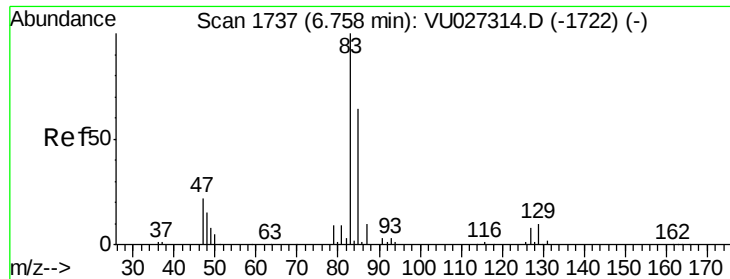


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V

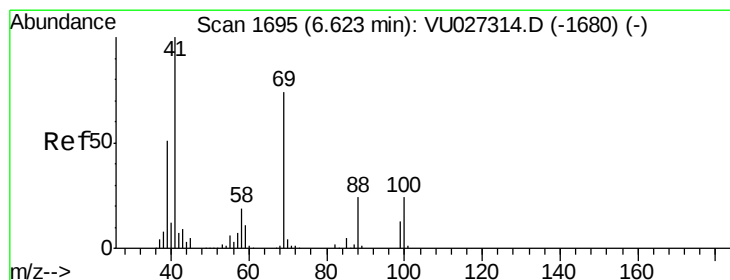
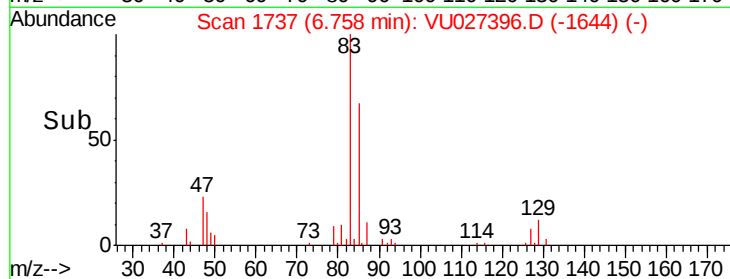
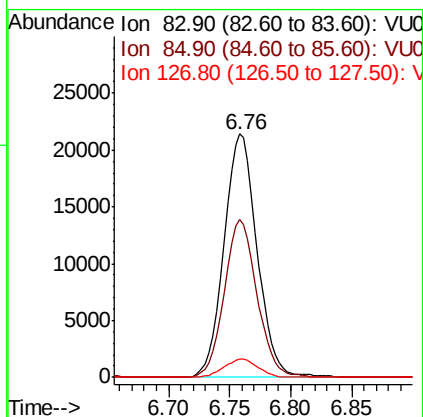
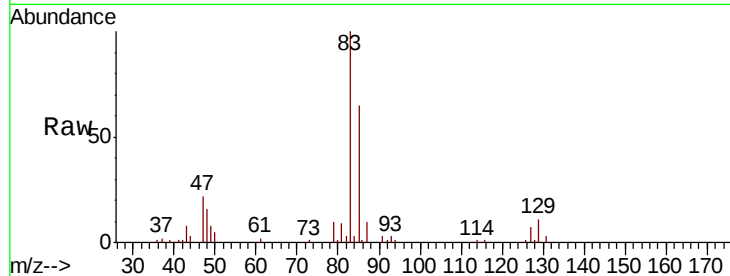




#47
 Bromodichloromethane
 Concen: 19.803 ug/l
 RT: 6.76 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: VU027396.D
 Acq: 04 Oct 2018 10:26

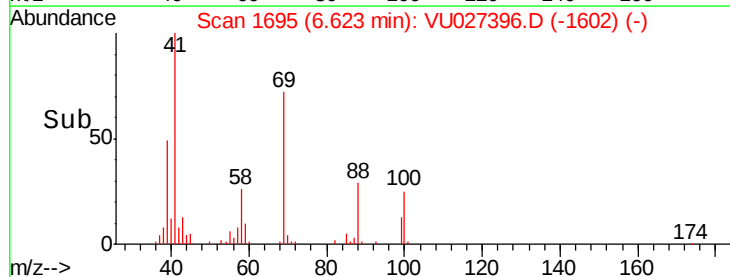
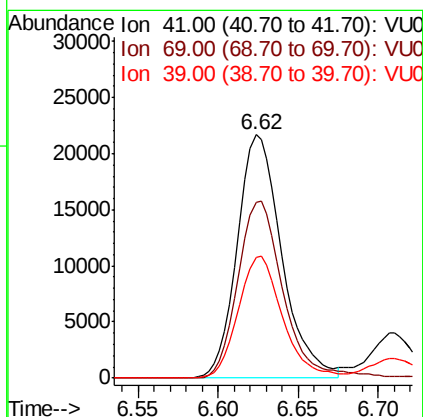
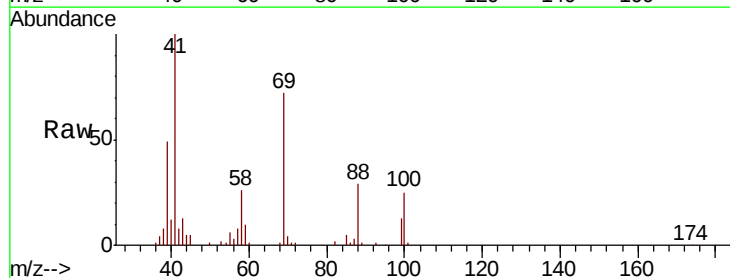
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004MBSD02

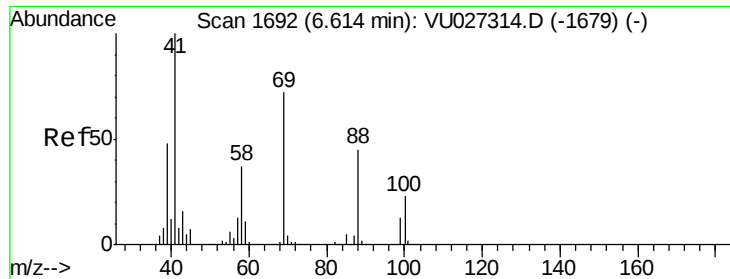
Tgt Ion: 83 Resp: 40515
 Ion Ratio Lower Upper
 83 100
 85 64.9 51.4 77.0
 127 7.4 6.3 9.5



#48
 Methyl methacrylate
 Concen: 19.917 ug/l
 RT: 6.62 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU027396.D
 Acq: 04 Oct 2018 10:26

Tgt Ion: 41 Resp: 41310
 Ion Ratio Lower Upper
 41 100
 69 74.2 61.0 91.4
 39 49.8 39.9 59.9

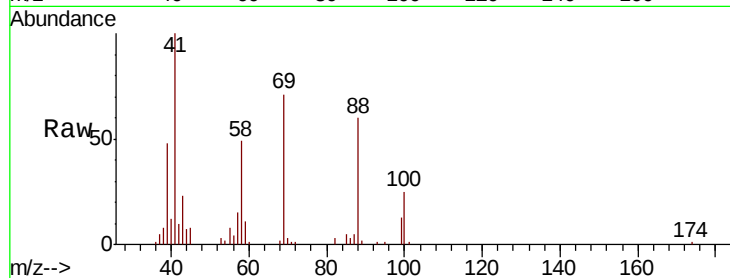




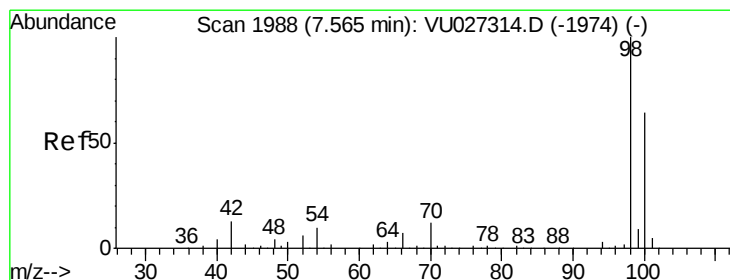
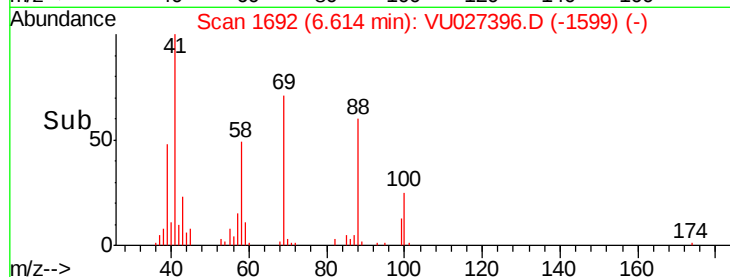
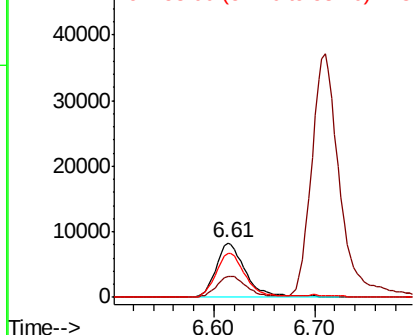
#49
1,4-Dioxane
Concen: 476.153 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027396.D
Acq: 04 Oct 2018 10:26

Instrument :
MSVOA_U
ClientSampleId :
VU1004MBSD02

Tgt Ion: 88 Resp: 16992
Ion Ratio Lower Upper
88 100
43 39.0 30.8 46.2
58 81.2 67.0 100.6

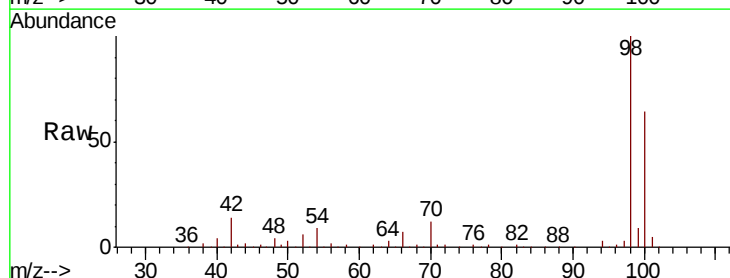


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

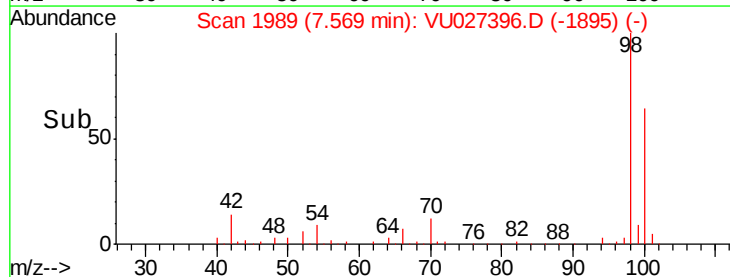
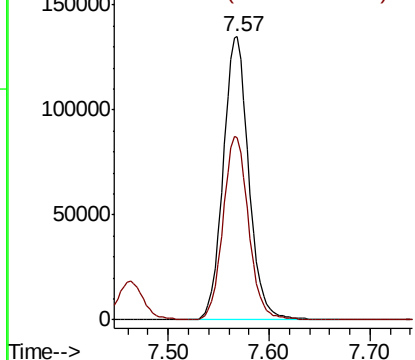


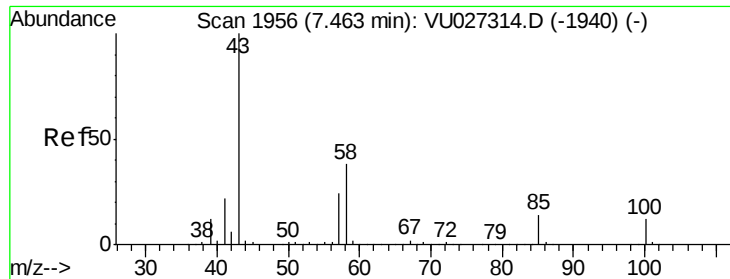
#50
Toluene-d8
Concen: 48.548 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027396.D
Acq: 04 Oct 2018 10:26

Tgt Ion: 98 Resp: 238304
Ion Ratio Lower Upper
98 100
100 65.2 52.1 78.1



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: 102.635 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VU027396.D

Acq: 04 Oct 2018 10:26

Instrument :

MSVOA_U

ClientSampleId :

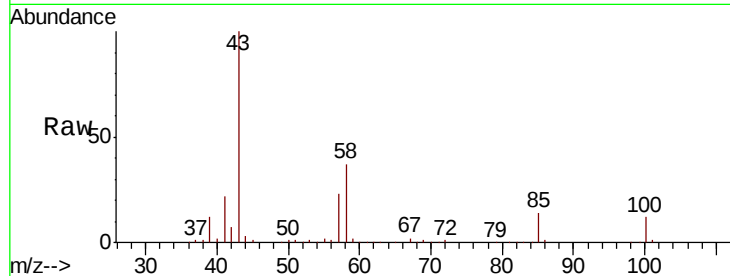
VU1004MBSD02

Tgt Ion: 43 Resp: 278163

Ion Ratio Lower Upper

43 100

58 36.8 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

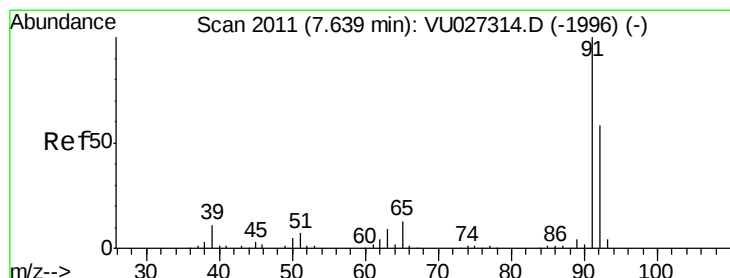
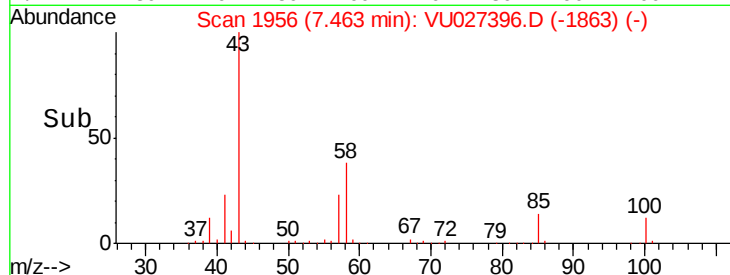
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.347 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU027396.D

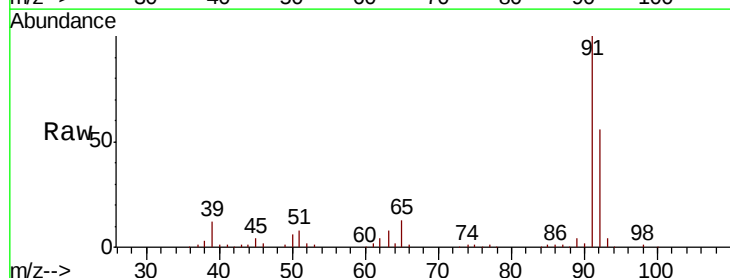
Acq: 04 Oct 2018 10:26

Tgt Ion: 92 Resp: 69310

Ion Ratio Lower Upper

92 100

91 173.6 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

80000

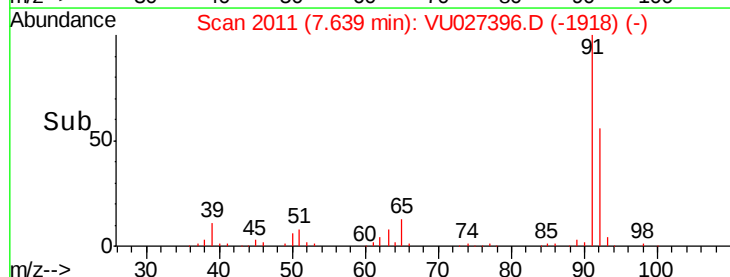
60000

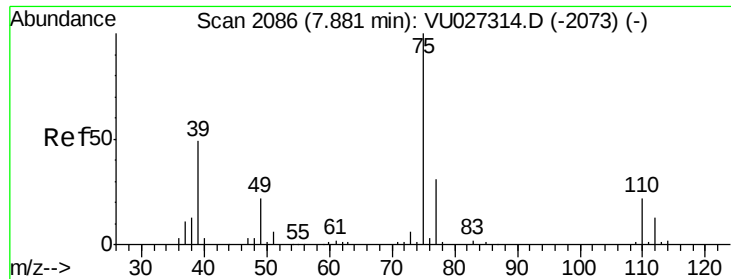
40000

20000

0

Time-->

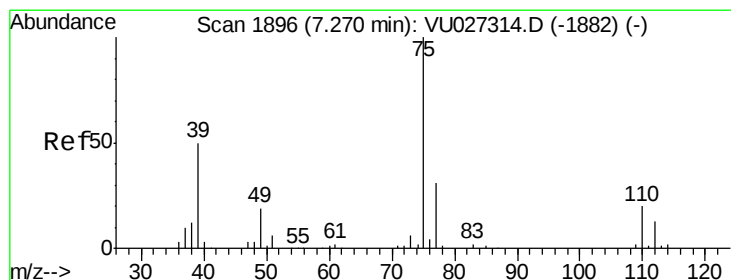
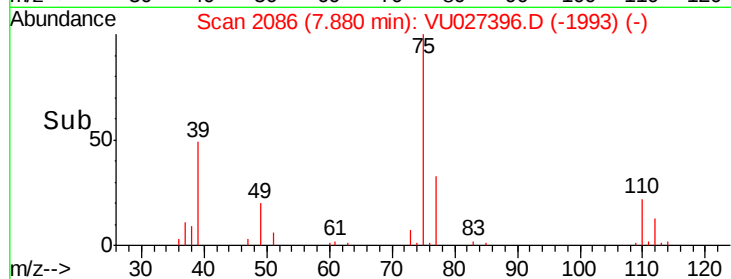
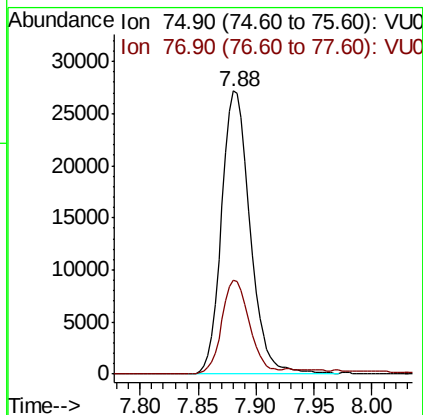
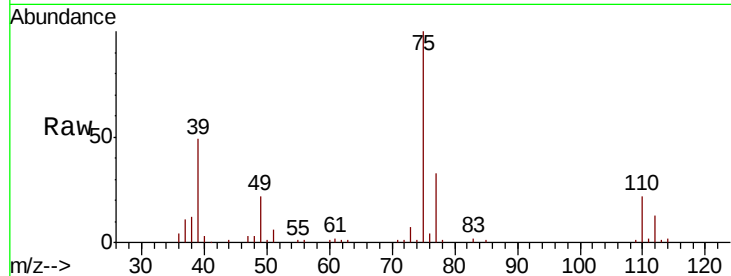




#53
t-1,3-Dichloropropene
Concen: 19.367 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. -0.00 min
Lab File: VU027396.D
Acq: 04 Oct 2018 10:26

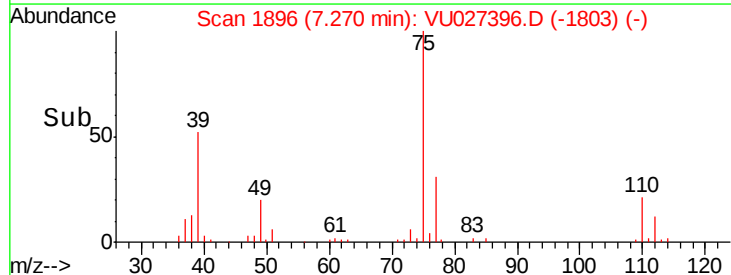
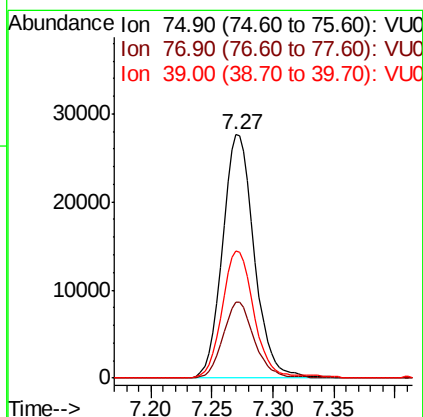
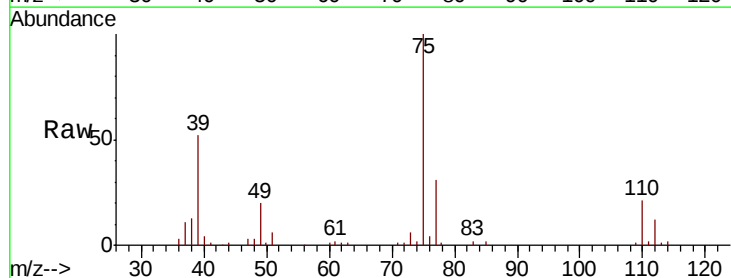
Instrument :
MSVOA_U
ClientSampleId :
VU1004MBSD02

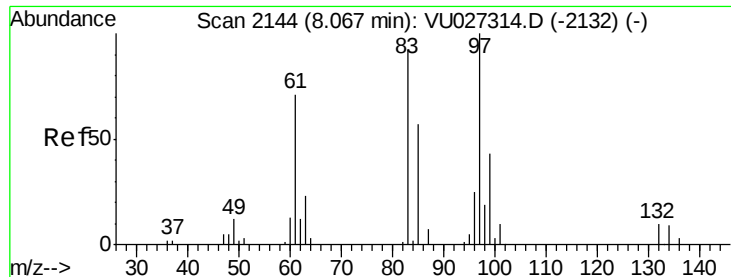
Tgt Ion: 75 Resp: 46458
Ion Ratio Lower Upper
75 100
77 33.1 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 19.578 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VU027396.D
Acq: 04 Oct 2018 10:26

Tgt Ion: 75 Resp: 50486
Ion Ratio Lower Upper
75 100
77 31.1 24.5 36.7
39 52.4 40.1 60.1

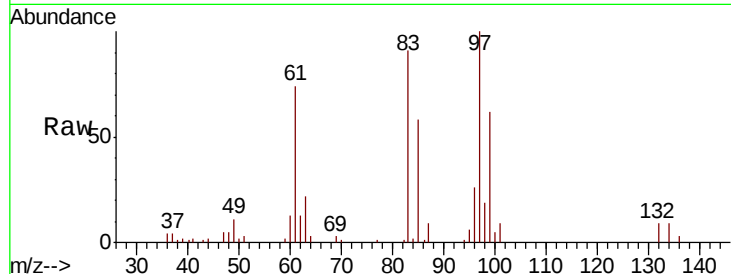




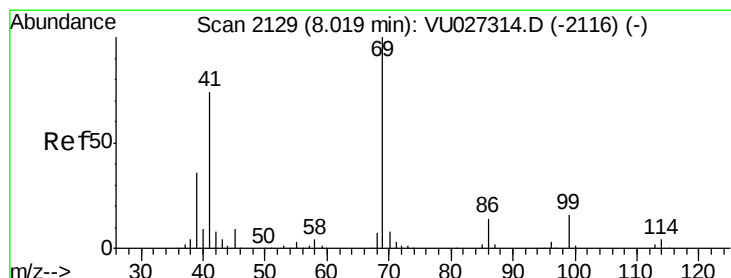
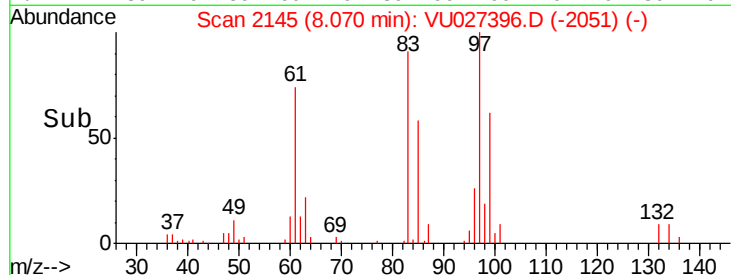
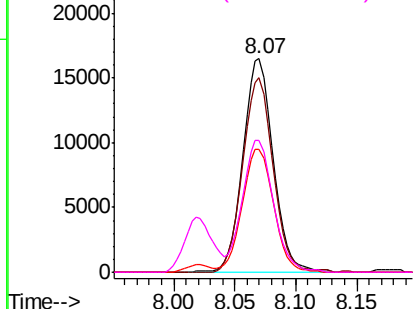
#55
 1,1,2-Trichloroethane
 Concen: 19.805 ug/l
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.00 min
 Lab File: VU027396.D
 Acq: 04 Oct 2018 10:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004MBSD02

Tgt Ion:	97	Resp:	28131
Ion	Ratio	Lower	Upper
97	100		
83	91.0	73.0	109.6
85	57.6	47.3	70.9
99	61.6	49.7	74.5

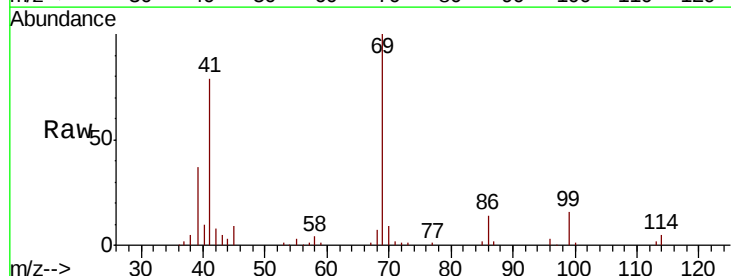


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

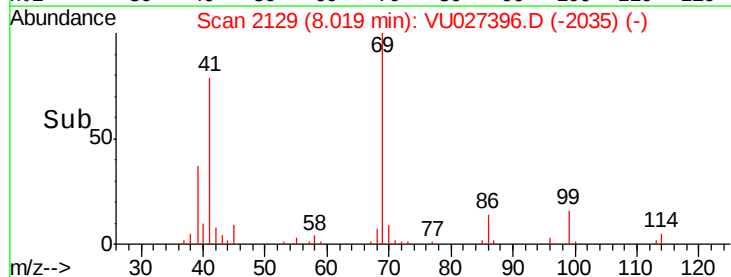
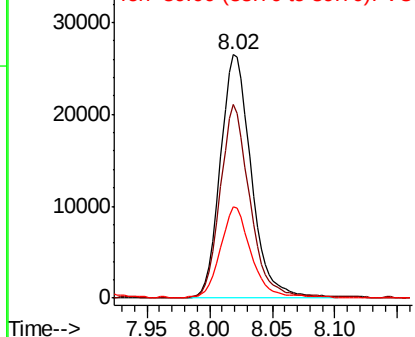


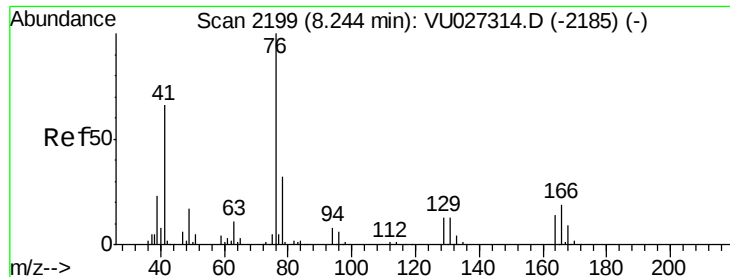
#56
 Ethyl methacrylate
 Concen: 18.160 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027396.D
 Acq: 04 Oct 2018 10:26

Tgt Ion:	69	Resp:	45274
Ion	Ratio	Lower	Upper
69	100		
41	75.8	60.0	90.0
39	37.6	29.5	44.3



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

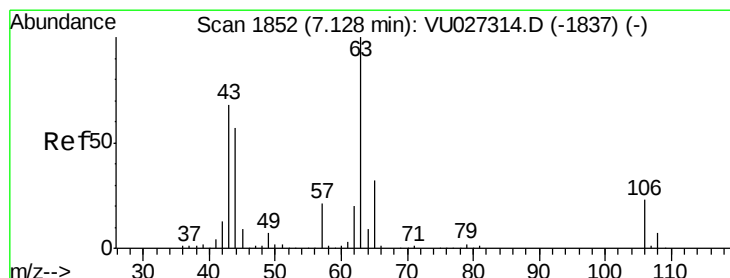
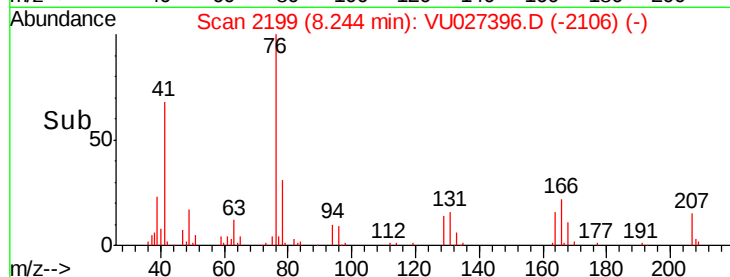
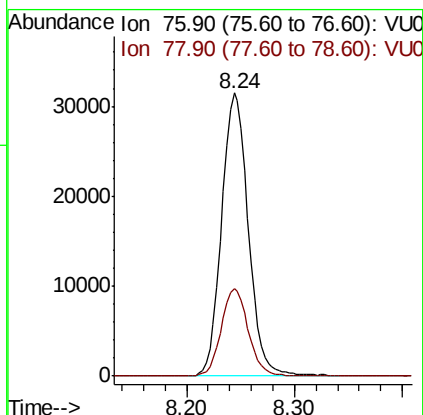
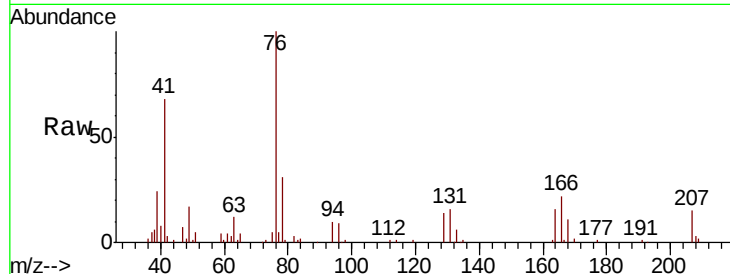




#57
 1,3-Dichloropropane
 Concen: 19.653 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU027396.D
 Acq: 04 Oct 2018 10:26

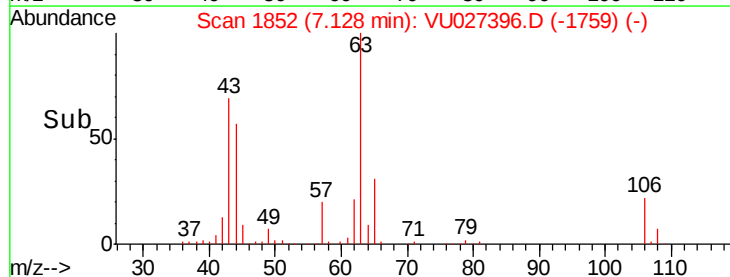
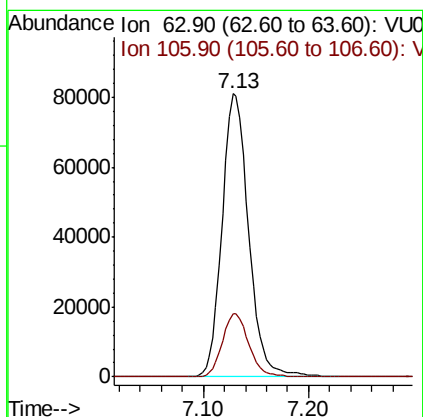
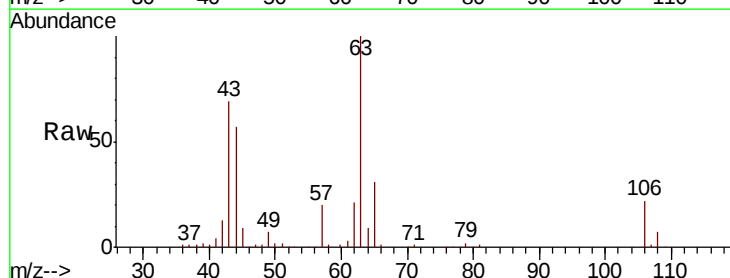
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004MBSD02

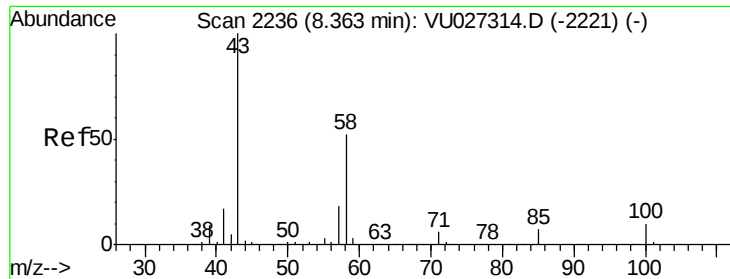
Tgt Ion: 76 Resp: 54192
 Ion Ratio Lower Upper
 76 100
 78 31.3 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.665 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VU027396.D
 Acq: 04 Oct 2018 10:26

Tgt Ion: 63 Resp: 141229
 Ion Ratio Lower Upper
 63 100
 106 22.4 18.5 27.7

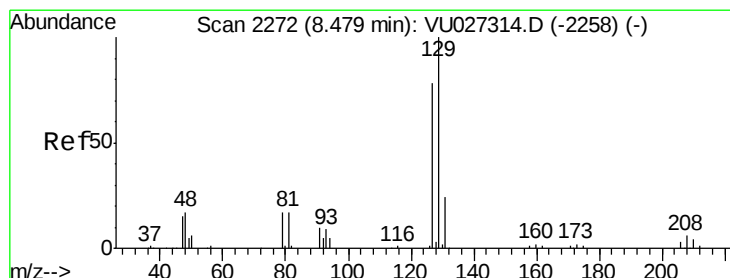
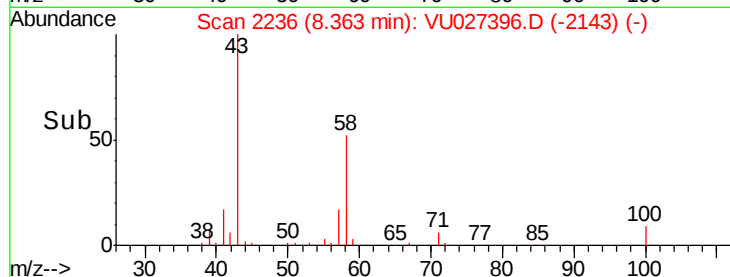
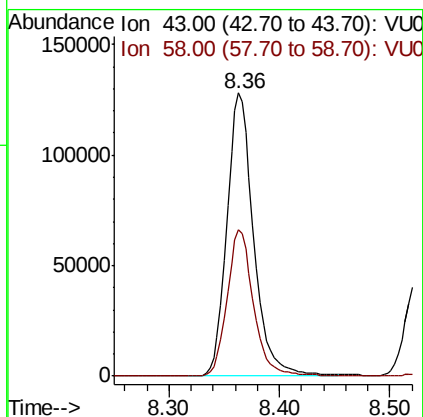
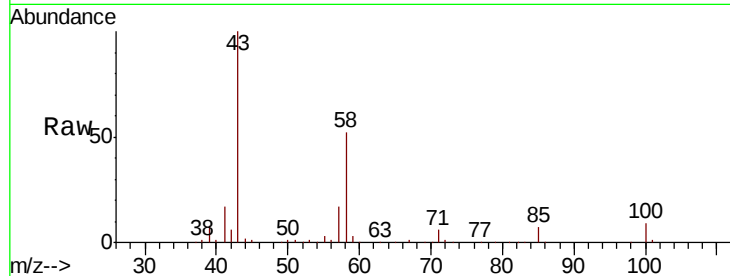




#59
 2-Hexanone
 Concen: 102.449 ug/l
 RT: 8.36 min Scan# 2236
 Delta R.T. -0.00 min
 Lab File: VU027396.D
 Acq: 04 Oct 2018 10:26

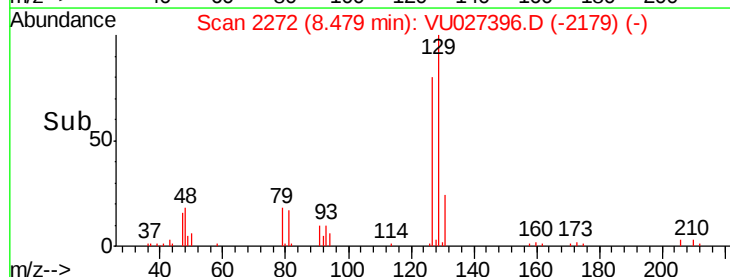
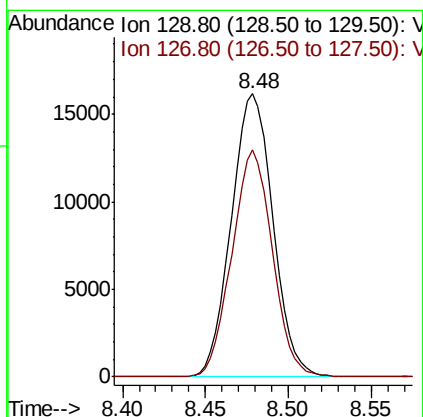
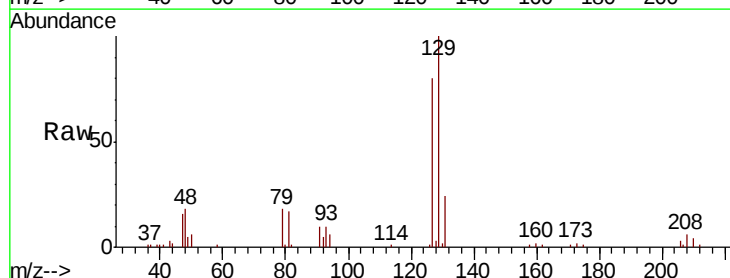
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004MBSD02

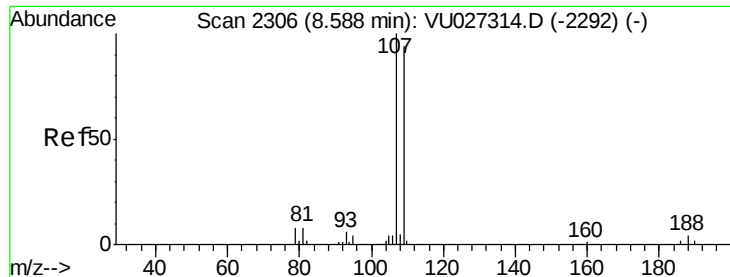
Tgt Ion: 43 Resp: 215387
 Ion Ratio Lower Upper
 43 100
 58 51.2 26.1 78.3



#60
 Dibromochloromethane
 Concen: 19.852 ug/l
 RT: 8.48 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VU027396.D
 Acq: 04 Oct 2018 10:26

Tgt Ion: 129 Resp: 28281
 Ion Ratio Lower Upper
 129 100
 127 77.9 39.1 117.2





#61

1,2-Dibromoethane

Concen: 19.162 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VU027396.D

Acq: 04 Oct 2018 10:26

Instrument :

MSVOA_U

ClientSampleId :

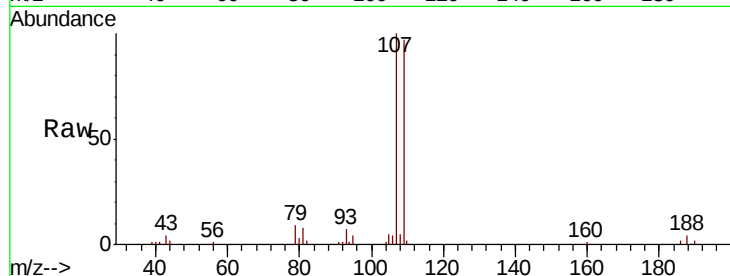
VU1004MBSD02

Tgt Ion:107 Resp: 28938

Ion Ratio Lower Upper

107 100

109 96.4 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

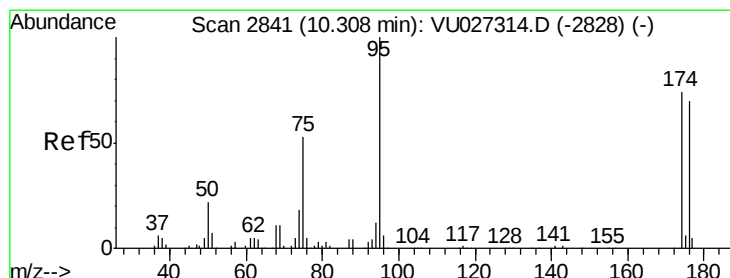
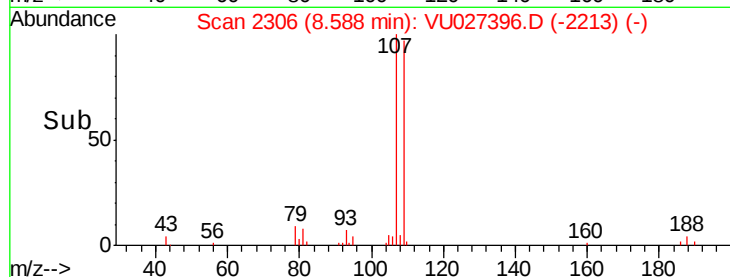
15000

10000

5000

0

Time--> 8.50 8.55 8.60 8.65



#62

4-Bromofluorobenzene

Concen: 47.437 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027396.D

Acq: 04 Oct 2018 10:26

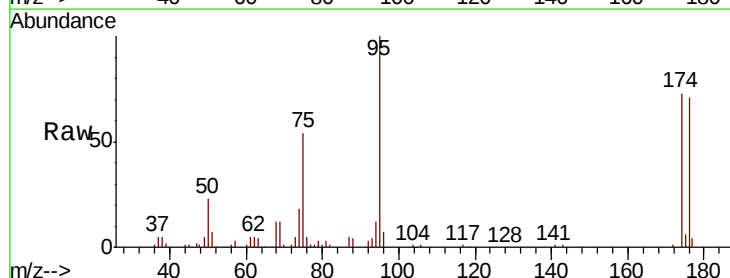
Tgt Ion: 95 Resp: 86537

Ion Ratio Lower Upper

95 100

174 74.7 0.0 147.8

176 70.9 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

10.31

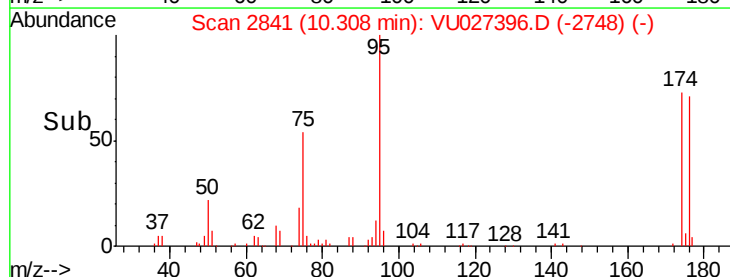
60000

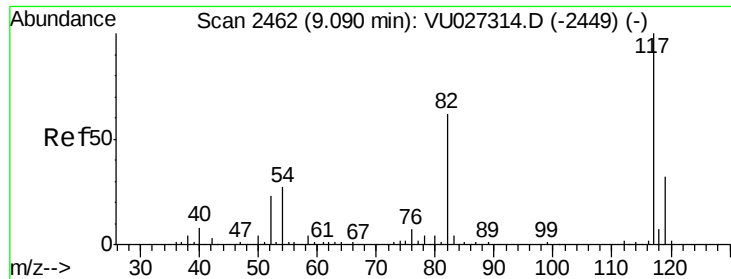
40000

20000

0

Time--> 10.25 10.30 10.35

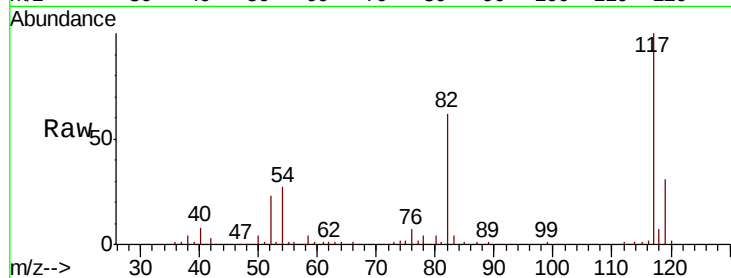




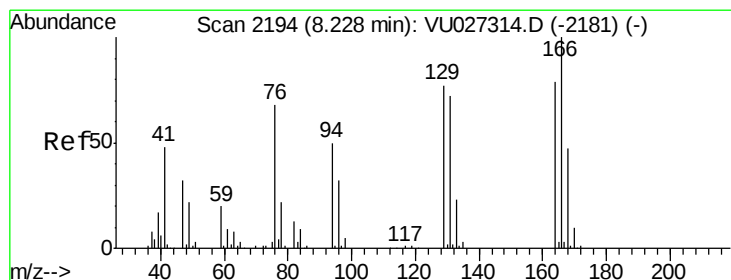
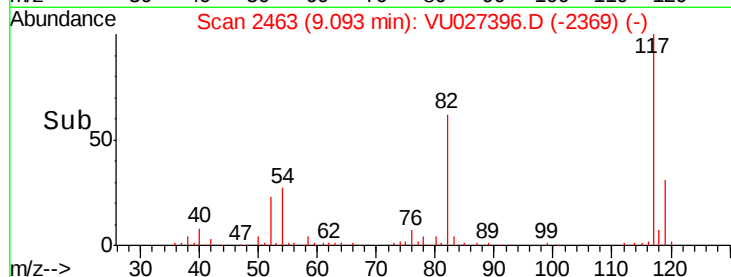
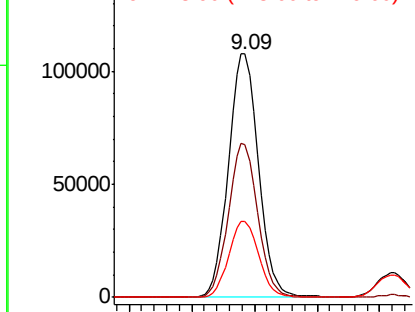
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027396.D
Acq: 04 Oct 2018 10:26

Instrument :
MSVOA_U
ClientSampleId :
VU1004MBSD02

Tgt Ion:117 Resp: 178971
Ion Ratio Lower Upper
117 100
82 62.5 49.2 73.8
119 31.3 25.7 38.5

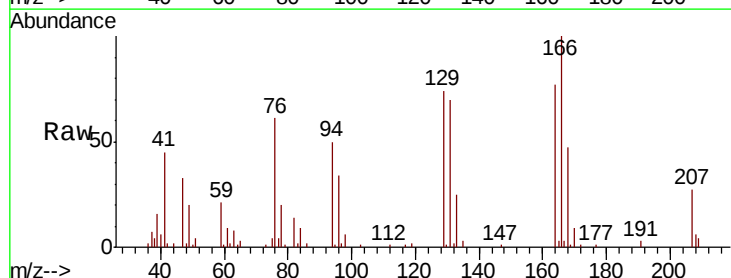


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

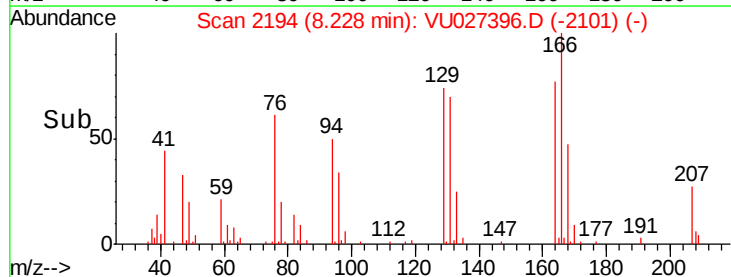
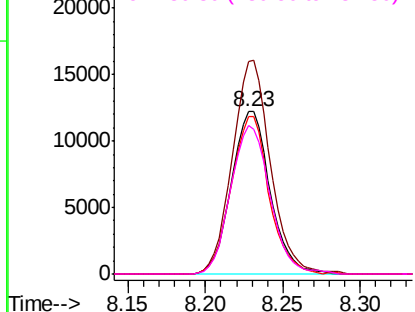


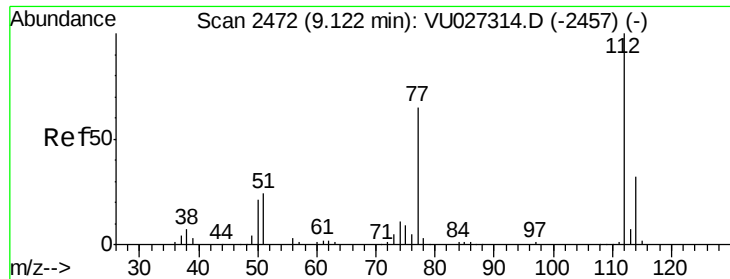
#64
Tetrachloroethene
Concen: 19.069 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU027396.D
Acq: 04 Oct 2018 10:26

Tgt Ion:164 Resp: 21245
Ion Ratio Lower Upper
164 100
166 130.6 101.0 151.6
129 96.5 78.0 117.0
131 91.0 72.6 109.0



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

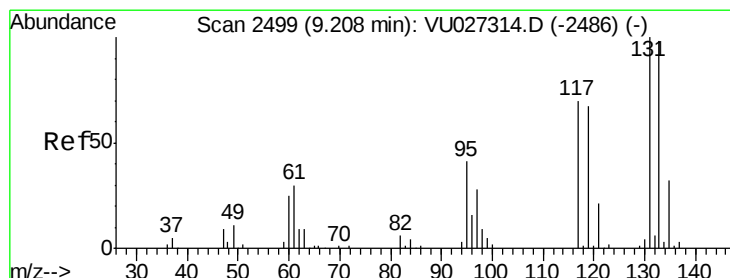
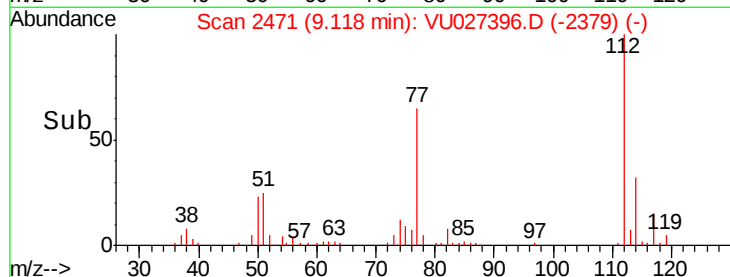
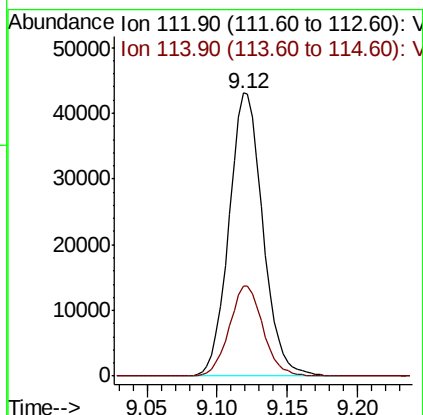
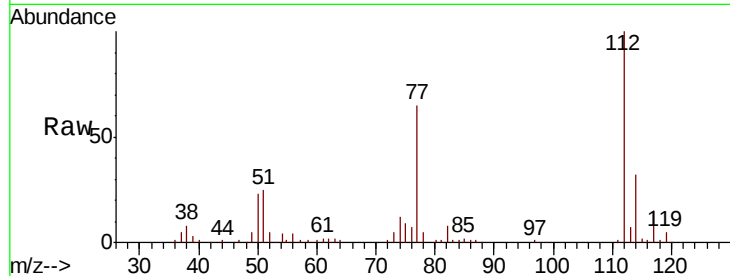




#65
Chlorobenzene
Concen: 19.232 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027396.D
Acq: 04 Oct 2018 10:26

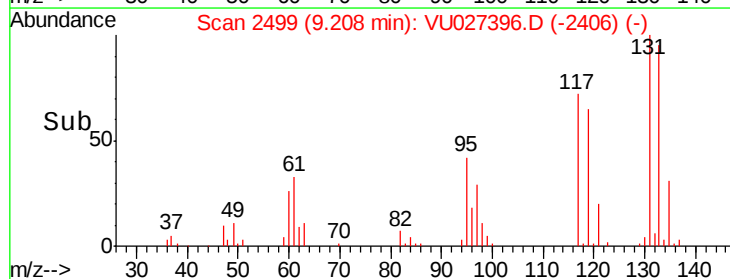
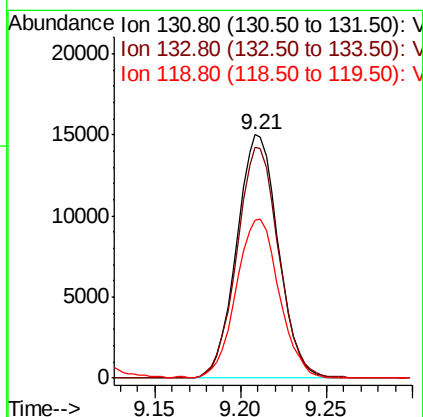
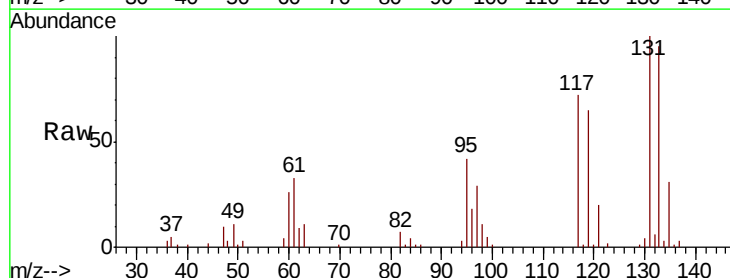
Instrument :
MSVOA_U
ClientSampleId :
VU1004MBSD02

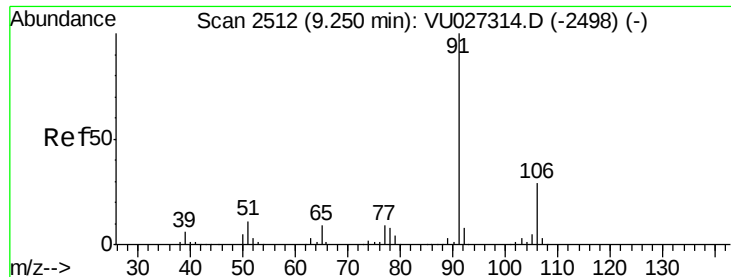
Tgt Ion:112 Resp: 72452
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.443 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027396.D
Acq: 04 Oct 2018 10:26

Tgt Ion:131 Resp: 25286
Ion Ratio Lower Upper
131 100
133 95.6 48.5 145.6
119 67.3 33.5 100.4

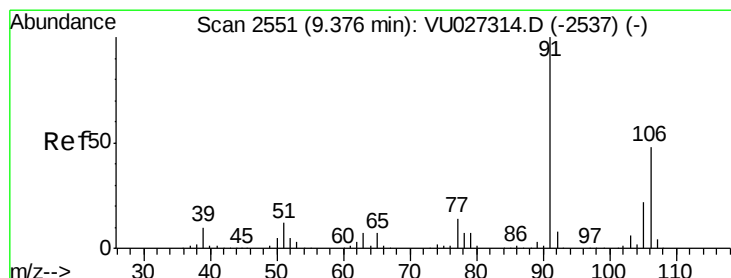
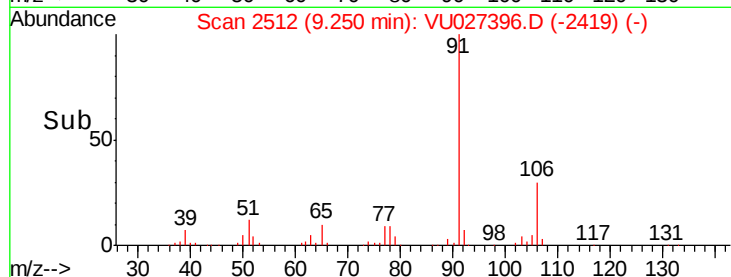
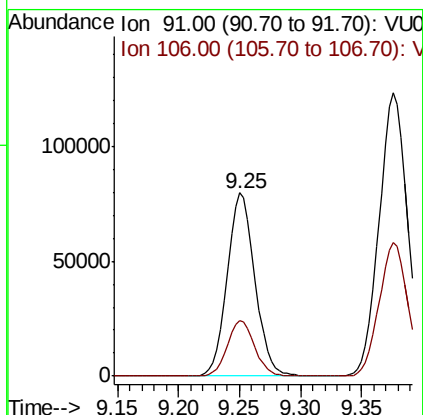
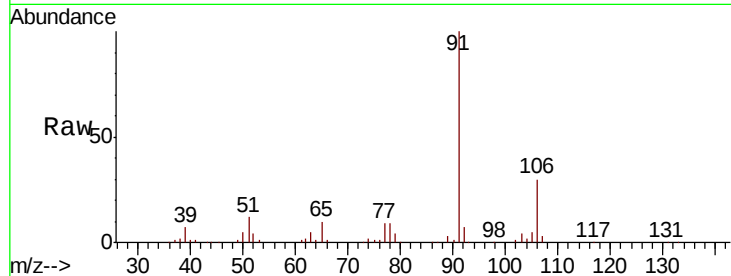




#67
 Ethyl Benzene
 Concen: 19.025 ug/l
 RT: 9.25 min Scan# 2512
 Delta R.T. -0.00 min
 Lab File: VU027396.D
 Acq: 04 Oct 2018 10:26

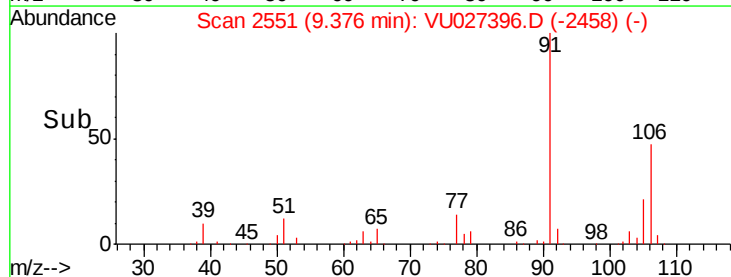
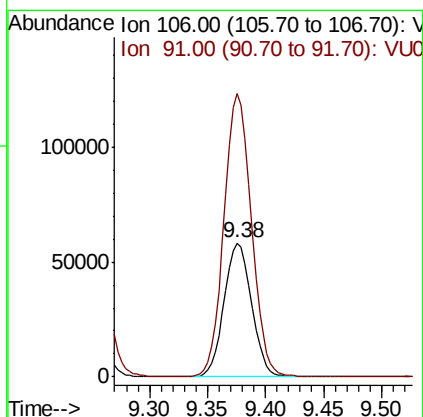
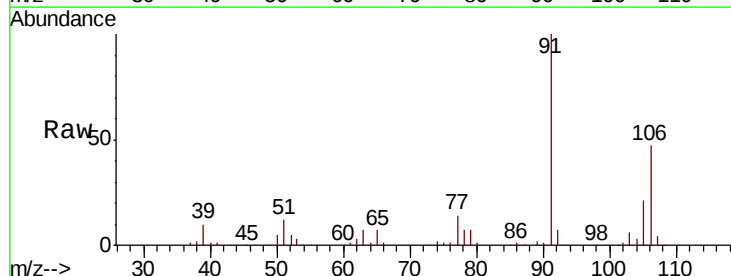
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004MBSD02

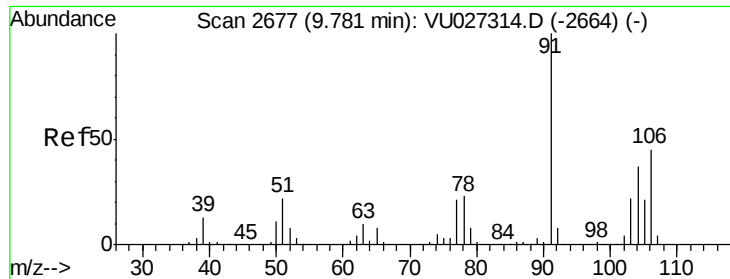
Tgt Ion: 91 Resp: 126980
 Ion Ratio Lower Upper
 91 100
 106 30.3 23.6 35.4



#68
 m/p-Xylenes
 Concen: 39.045 ug/l
 RT: 9.38 min Scan# 2551
 Delta R.T. -0.00 min
 Lab File: VU027396.D
 Acq: 04 Oct 2018 10:26

Tgt Ion: 106 Resp: 95324
 Ion Ratio Lower Upper
 106 100
 91 210.4 168.1 252.1

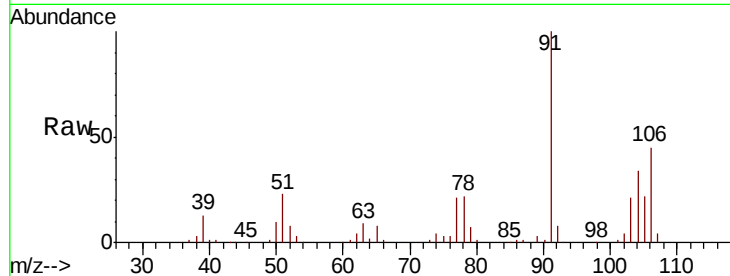




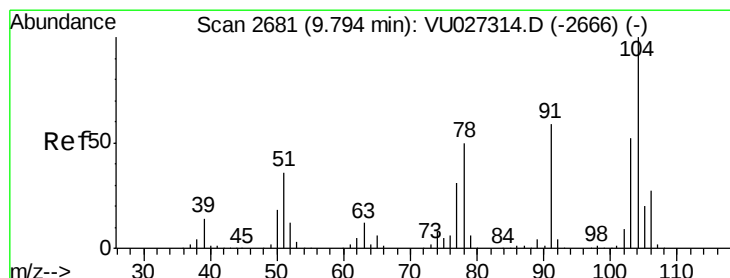
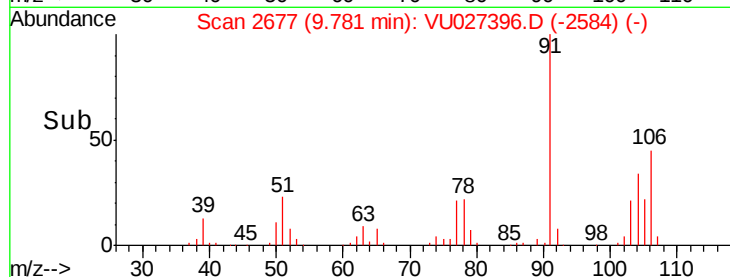
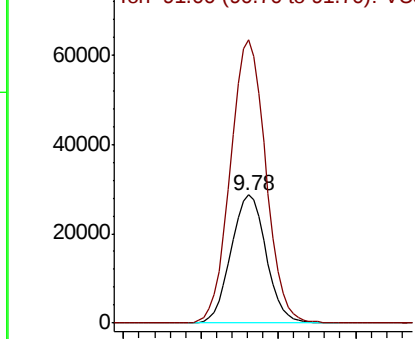
#69
o-Xylene
Concen: 19.489 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VU027396.D
Acq: 04 Oct 2018 10:26

Instrument :
MSVOA_U
ClientSampleId :
VU1004MBSD02

Tgt Ion:106 Resp: 45216
Ion Ratio Lower Upper
106 100
91 222.1 111.7 334.9

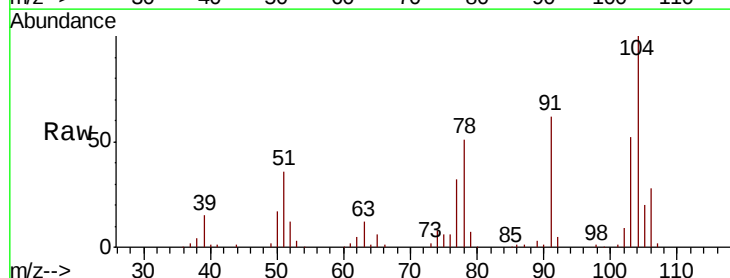


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

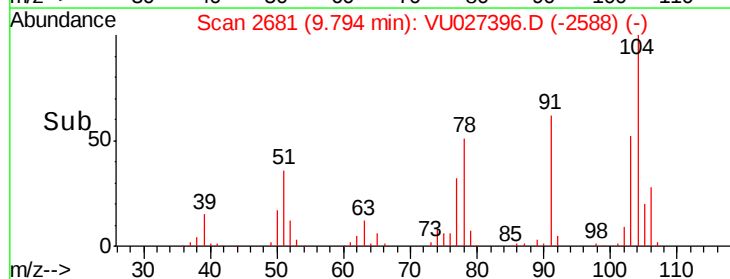
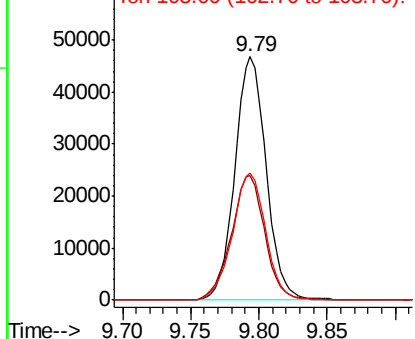


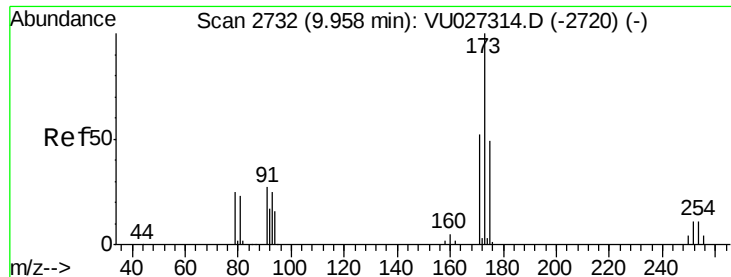
#70
Styrene
Concen: 18.732 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027396.D
Acq: 04 Oct 2018 10:26

Tgt Ion:104 Resp: 74702
Ion Ratio Lower Upper
104 100
78 55.0 42.9 64.3
103 55.5 43.9 65.9



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





#71

Bromoform

Concen: 18.980 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU027396.D

Acq: 04 Oct 2018 10:26

Instrument :

MSVOA_U

ClientSampleId :

VU1004MBSD02

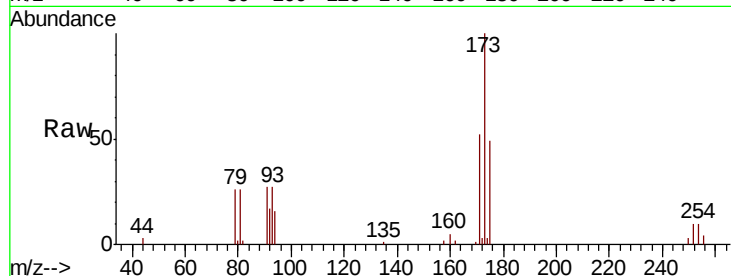
Tgt Ion:173 Resp: 19859

Ion Ratio Lower Upper

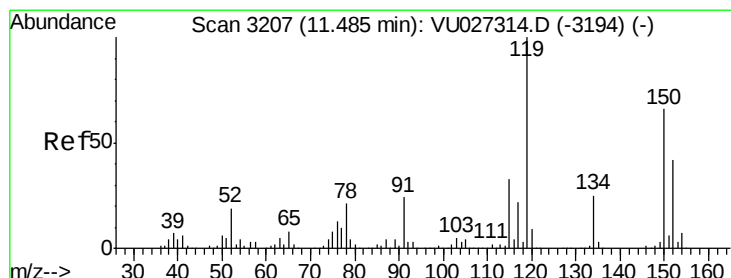
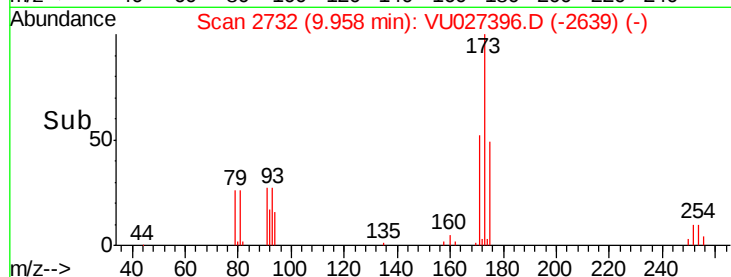
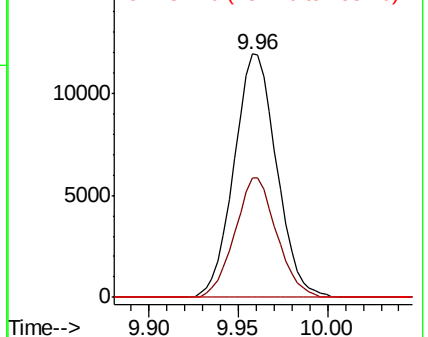
173 100

175 48.3 24.3 73.0

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# 3207

Delta R.T. -0.00 min

Lab File: VU027396.D

Acq: 04 Oct 2018 10:26

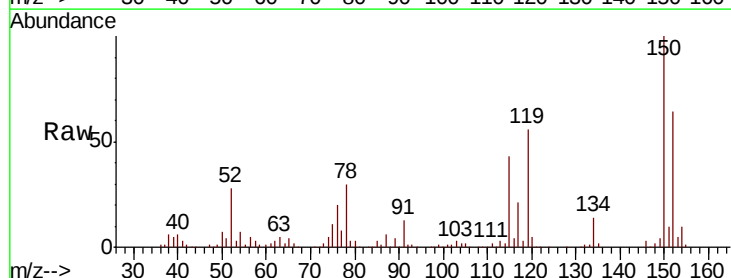
Tgt Ion:152 Resp: 90169

Ion Ratio Lower Upper

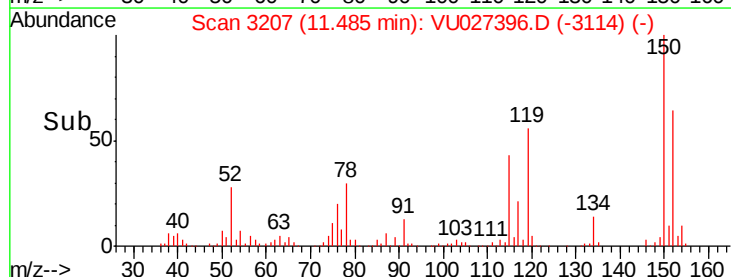
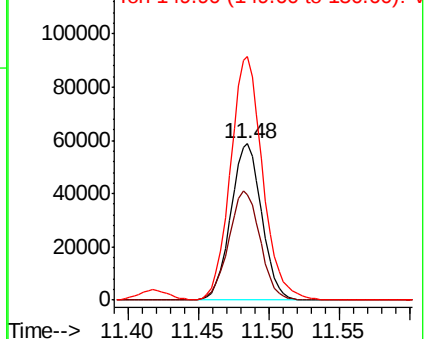
152 100

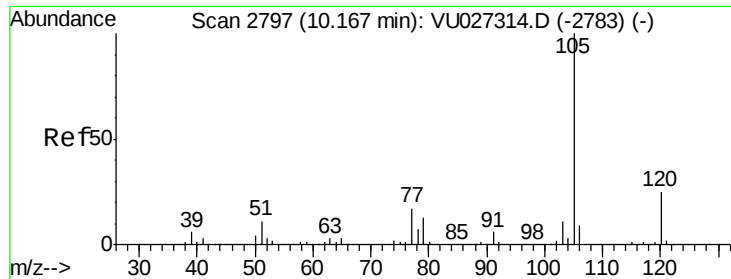
115 70.8 43.4 130.2

150 162.4 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: 18.772 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027396.D

Acq: 04 Oct 2018 10:26

Instrument :

MSVOA_U

ClientSampleId :

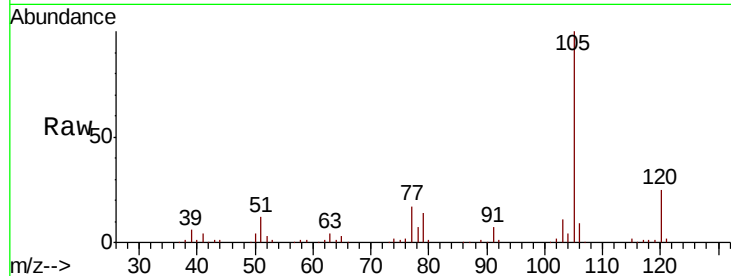
VU1004MBSD02

Tgt Ion: 105 Resp: 122933

Ion Ratio Lower Upper

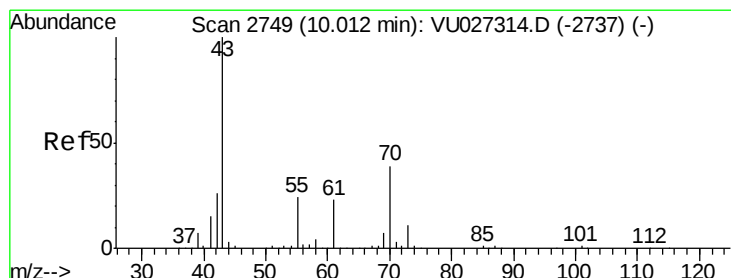
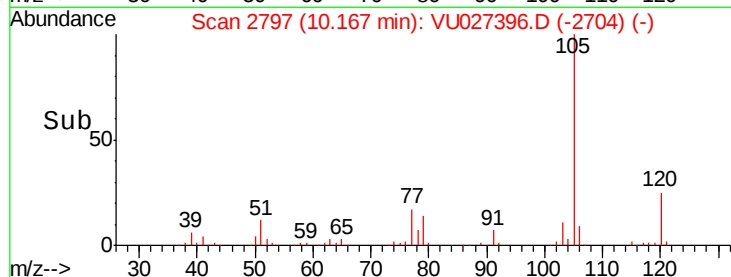
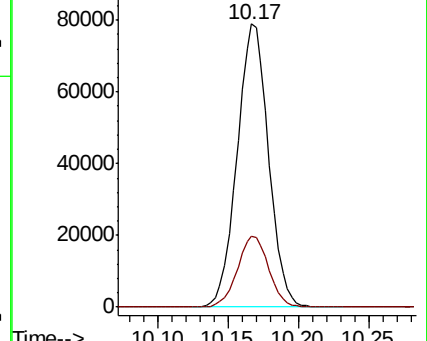
105 100

120 24.8 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.654 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027396.D

Acq: 04 Oct 2018 10:26

Tgt Ion: 43 Resp: 69934

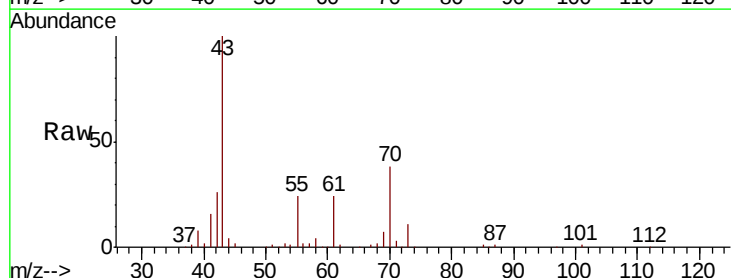
Ion Ratio Lower Upper

43 100

70 38.0 31.3 46.9

55 24.8 19.0 28.6

61 22.8 18.5 27.7

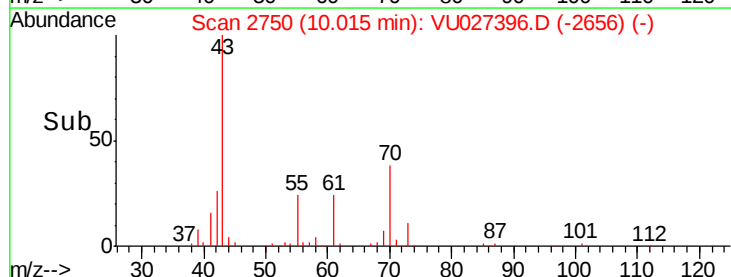
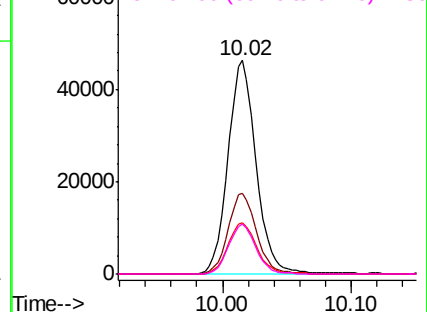


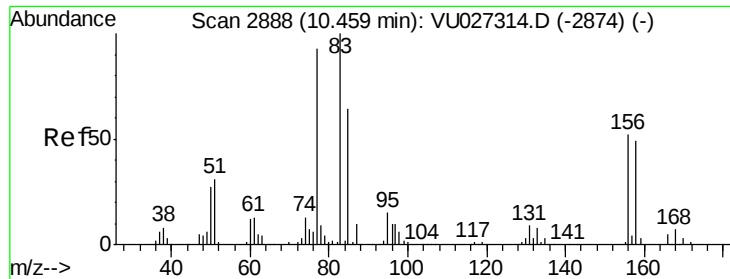
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 19.138 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU027396.D

Acq: 04 Oct 2018 10:26

Instrument :

MSVOA_U

ClientSampleId :

VU1004MBSD02

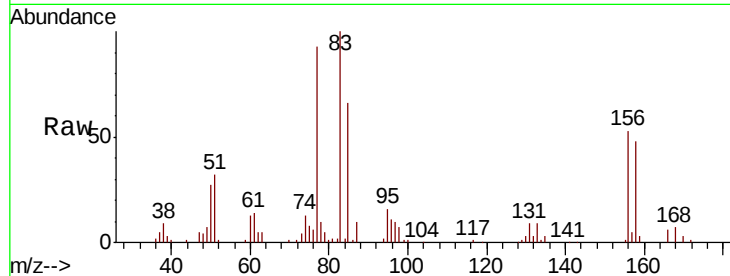
Tgt Ion: 83 Resp: 49213

Ion Ratio Lower Upper

83 100

131 8.6 4.4 13.2

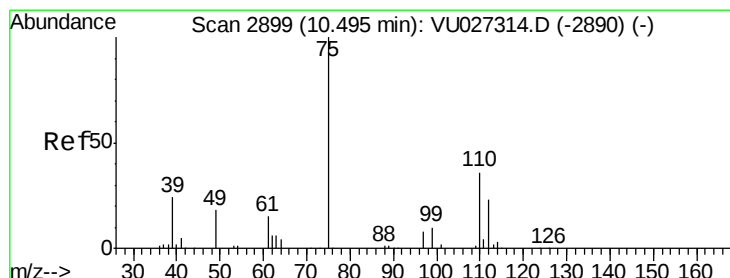
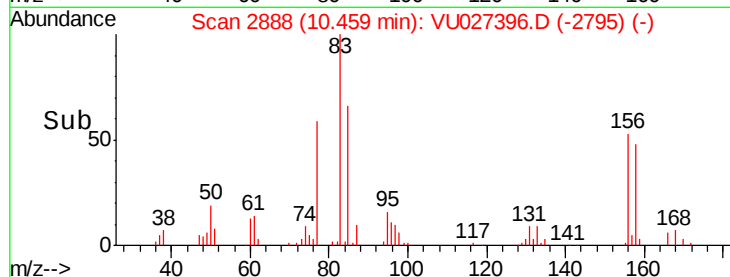
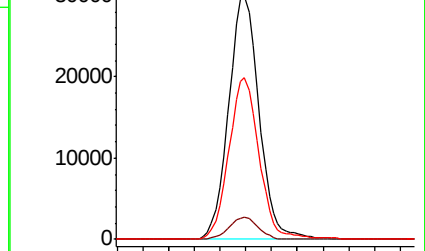
85 66.0 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VU027314.D (-2874) (-)

Ion 130.80 (130.50 to 131.50): VU027314.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU027314.D (-2874) (-)



#76

1,2,3-Trichloropropane

Concen: 25.467 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU027396.D

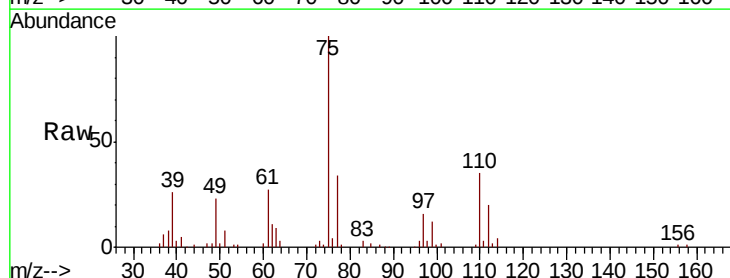
Acq: 04 Oct 2018 10:26

Tgt Ion: 75 Resp: 59527

Ion Ratio Lower Upper

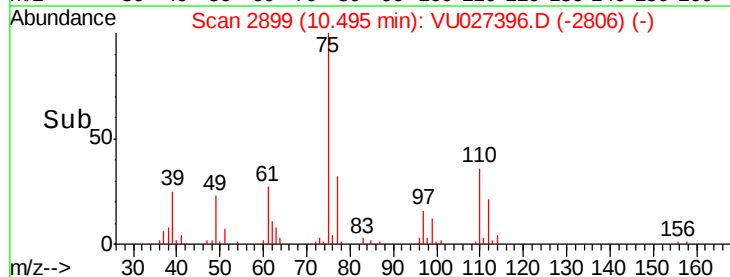
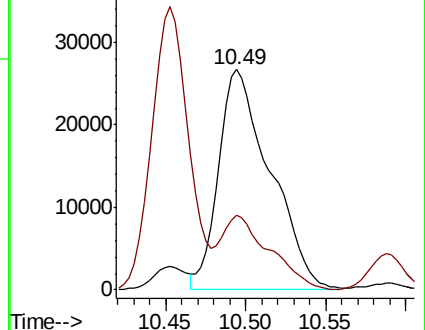
75 100

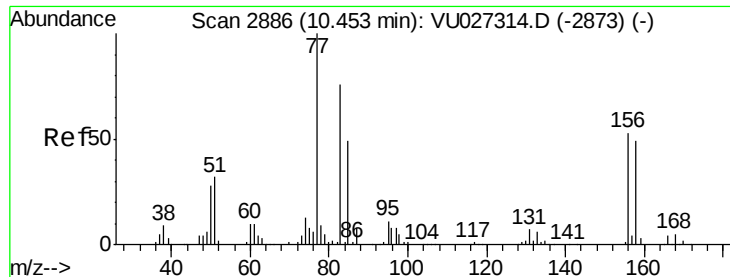
77 30.2 20.3 60.9



Abundance Ion 74.90 (74.60 to 75.60): VU027396.D (-2806) (-)

Ion 77.00 (76.70 to 77.70): VU027396.D (-2806) (-)





#77

Bromobenzene

Concen: 19.281 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU027396.D

Acq: 04 Oct 2018 10:26

Instrument :

MSVOA_U

ClientSampleId :

VU1004MBSD02

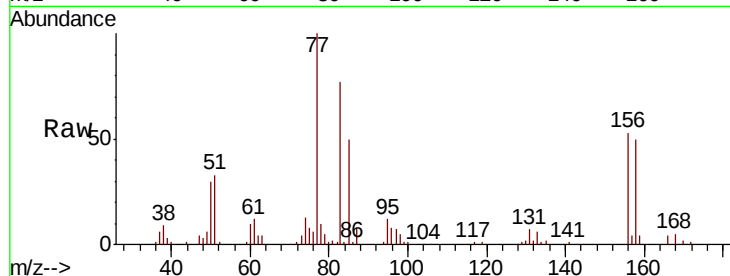
Tgt Ion:156 Resp: 29346

Ion Ratio Lower Upper

156 100

77 188.5 94.8 284.4

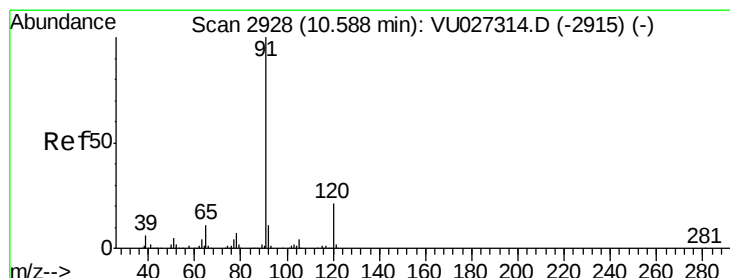
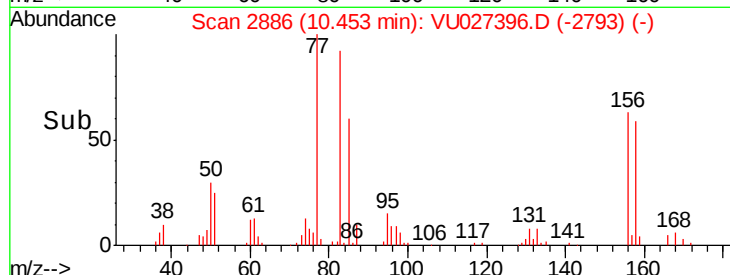
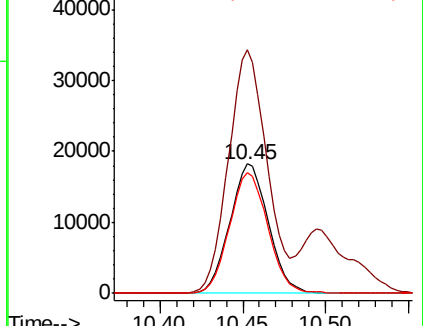
158 93.1 47.4 142.3



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: 19.509 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU027396.D

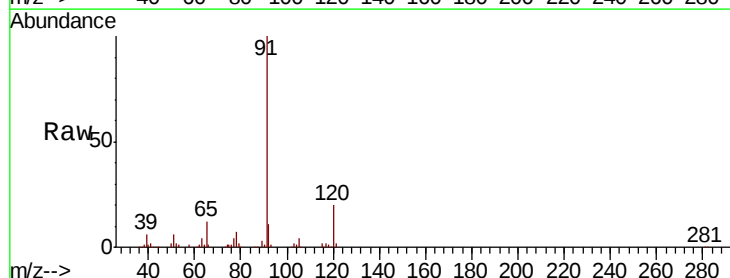
Acq: 04 Oct 2018 10:26

Tgt Ion: 91 Resp: 153523

Ion Ratio Lower Upper

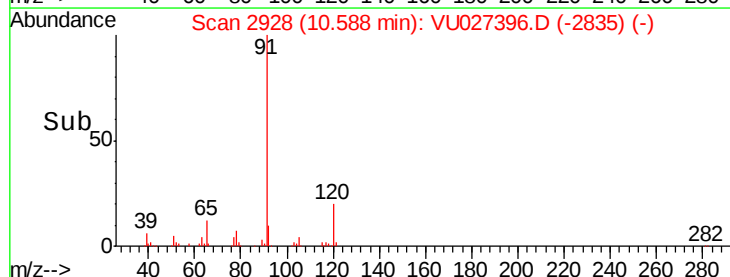
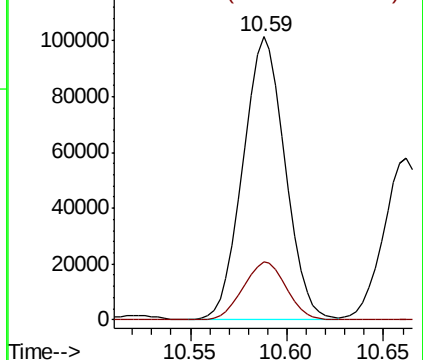
91 100

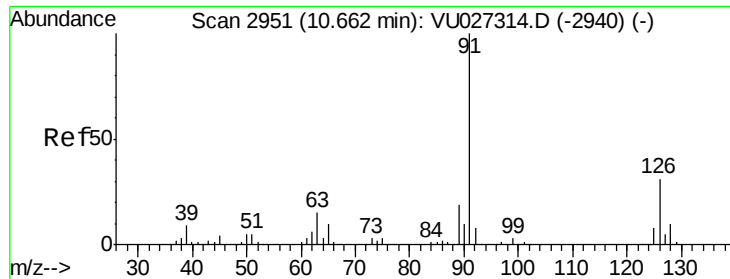
120 20.9 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.019 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. -0.00 min

Lab File: VU027396.D

Acq: 04 Oct 2018 10:26

Instrument :

MSVOA_U

ClientSampleId :

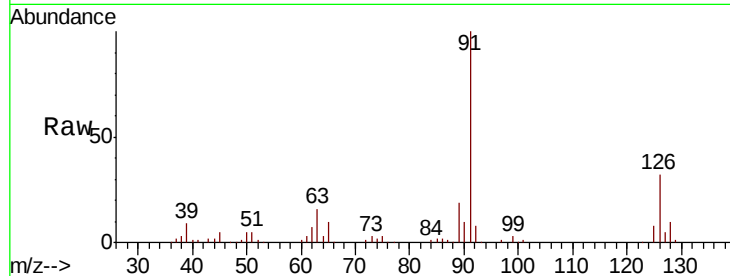
VU1004MBSD02

Tgt Ion: 91 Resp: 90366

Ion Ratio Lower Upper

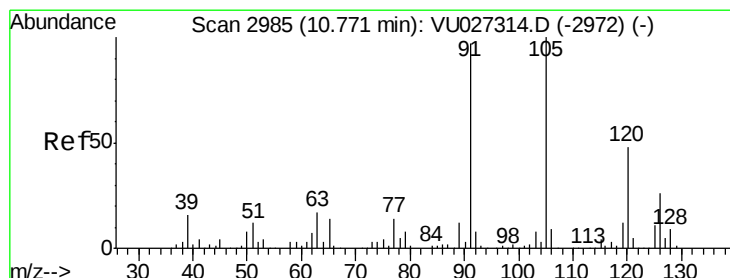
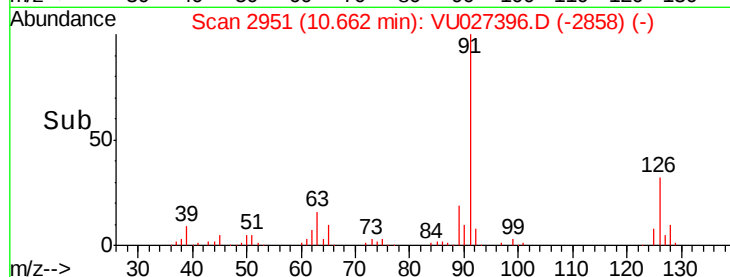
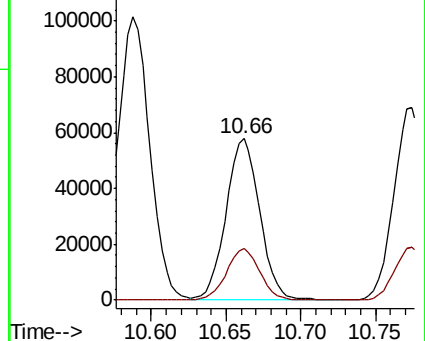
91 100

126 31.4 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VU027314.D (-2940) (-)

Ion 125.90 (125.60 to 126.60): VU027396.D (-2858) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.573 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027396.D

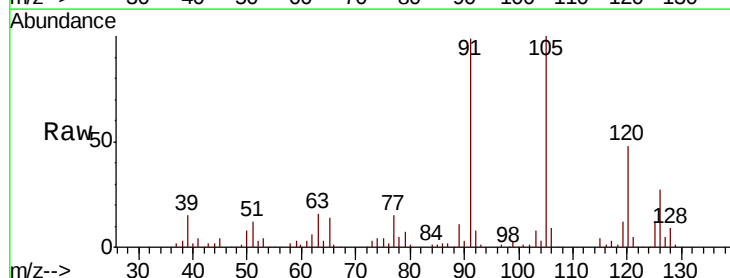
Acq: 04 Oct 2018 10:26

Tgt Ion: 105 Resp: 104357

Ion Ratio Lower Upper

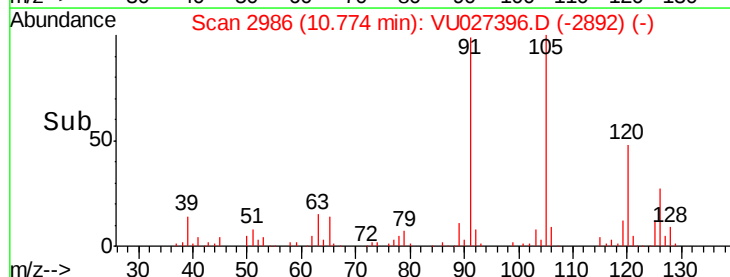
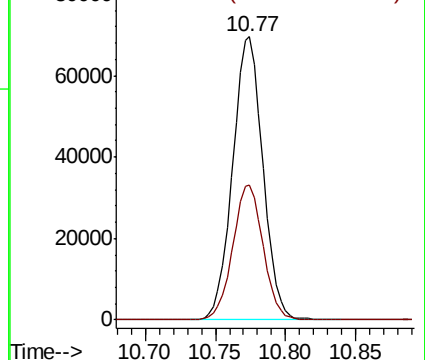
105 100

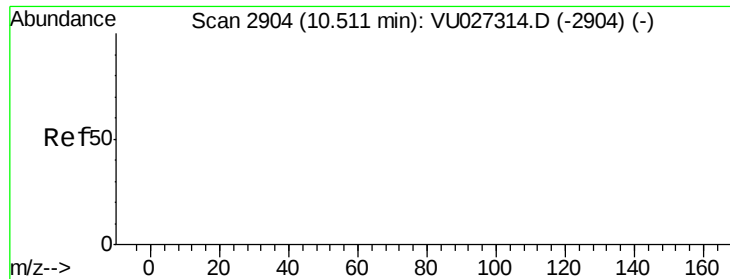
120 47.8 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VU027314.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU027396.D (-2892) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 66.651 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.02 min

Lab File: VU027396.D

Acq: 04 Oct 2018 10:26

Instrument :

MSVOA_U

ClientSampleId :

VU1004MBSD02

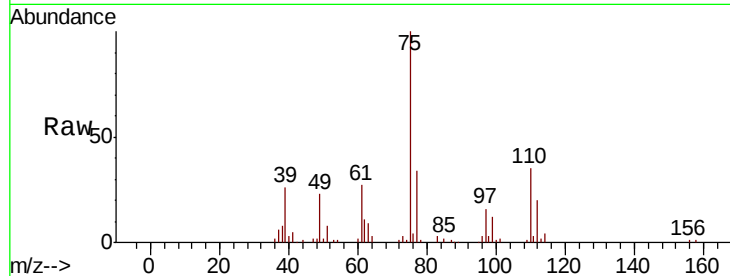
Tgt Ion: 75 Resp: 59527

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

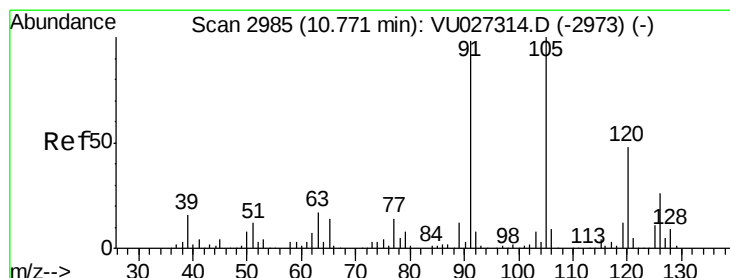
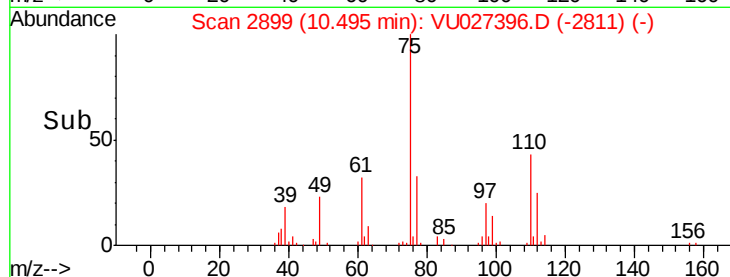
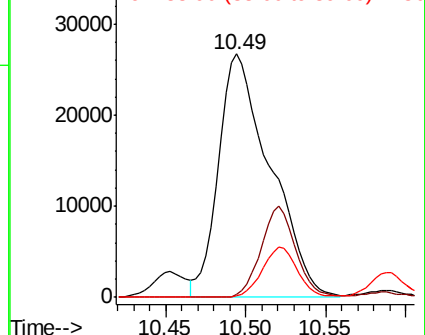
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 19.639 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027396.D

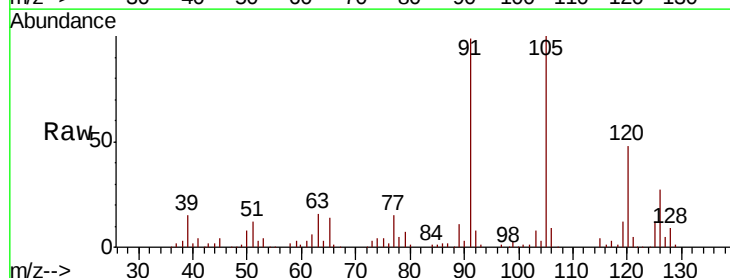
Acq: 04 Oct 2018 10:26

Tgt Ion: 91 Resp: 105891

Ion Ratio Lower Upper

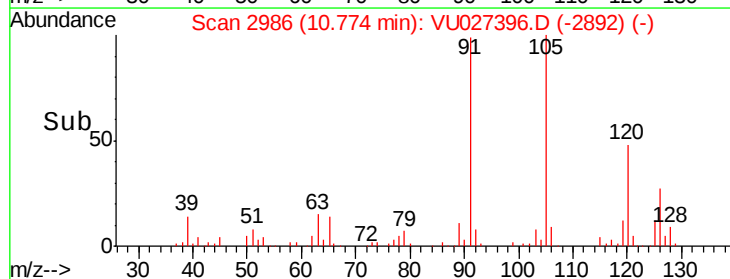
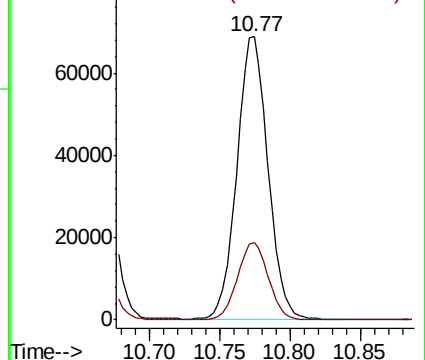
91 100

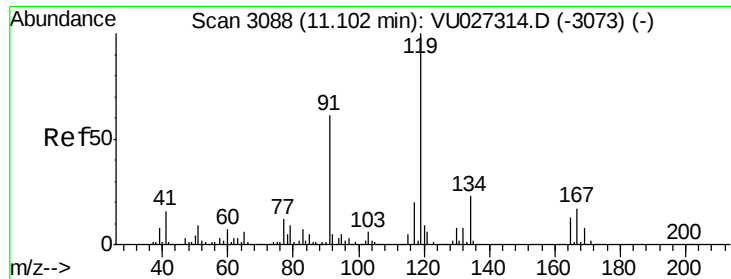
126 27.3 13.6 40.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

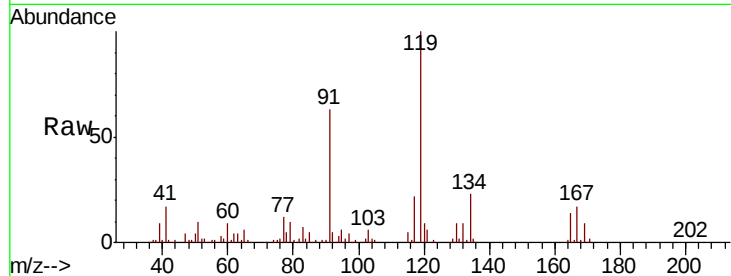




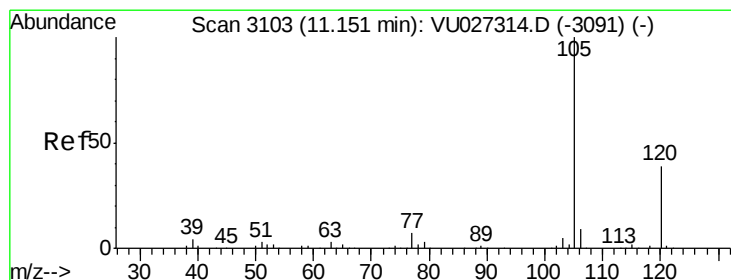
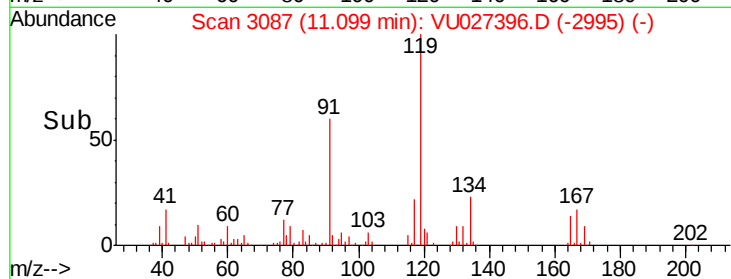
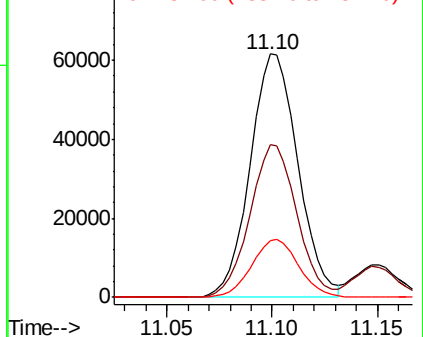
#83
 tert-Butylbenzene
 Concen: 18.847 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU027396.D
 Acq: 04 Oct 2018 10:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004MBSD02

Tgt Ion:119 Resp: 97143
 Ion Ratio Lower Upper
 119 100
 91 61.8 30.3 91.0
 134 23.5 11.5 34.4

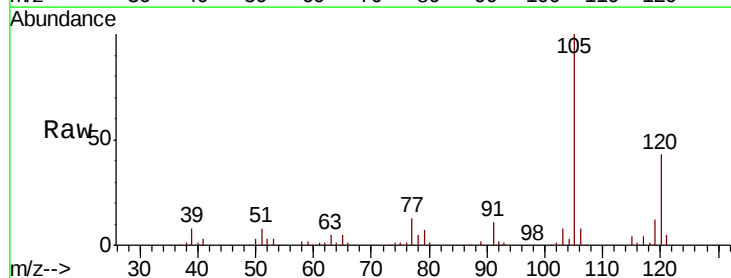


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU
 Ion 134.00 (133.70 to 134.70): V

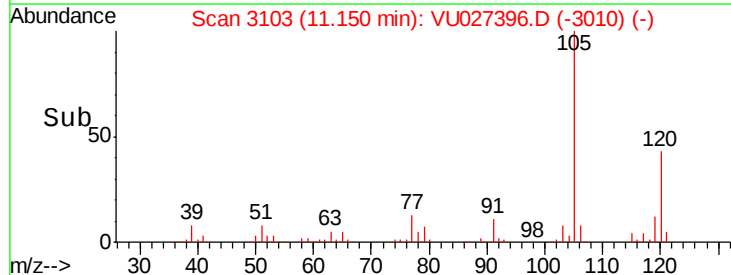
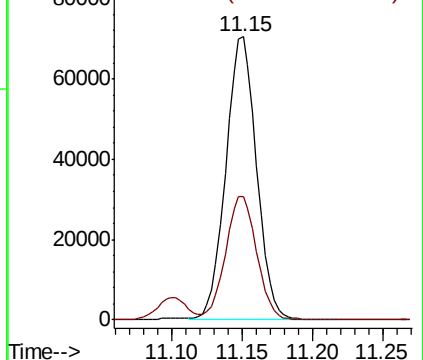


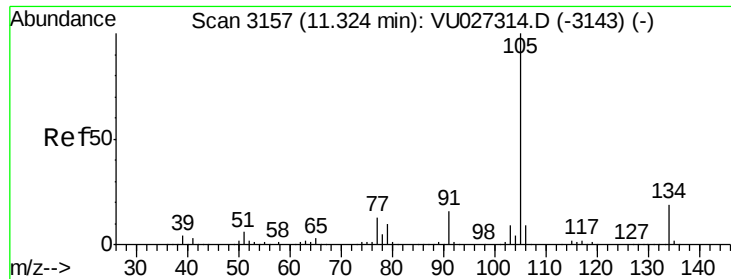
#84
 1,2,4-Trimethylbenzene
 Concen: 19.696 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. -0.00 min
 Lab File: VU027396.D
 Acq: 04 Oct 2018 10:26

Tgt Ion:105 Resp: 107270
 Ion Ratio Lower Upper
 105 100
 120 44.2 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

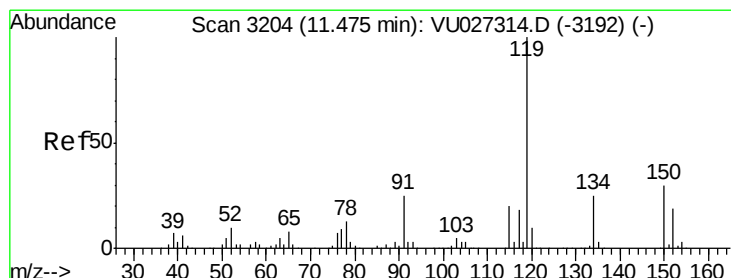
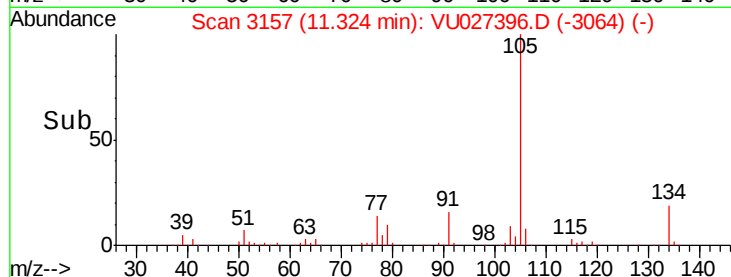
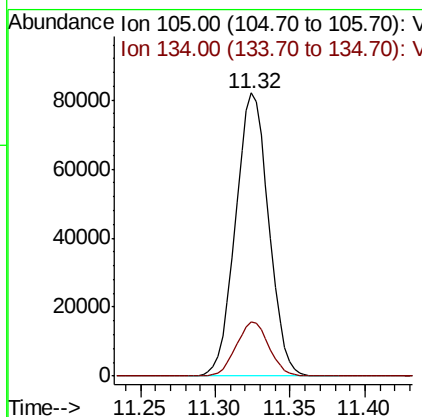
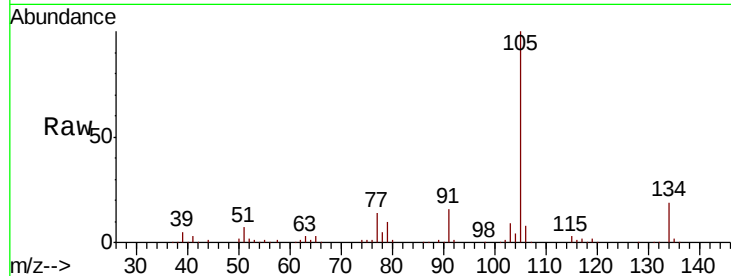




#85
 sec-Butylbenzene
 Concen: 19.452 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. -0.00 min
 Lab File: VU027396.D
 Acq: 04 Oct 2018 10:26

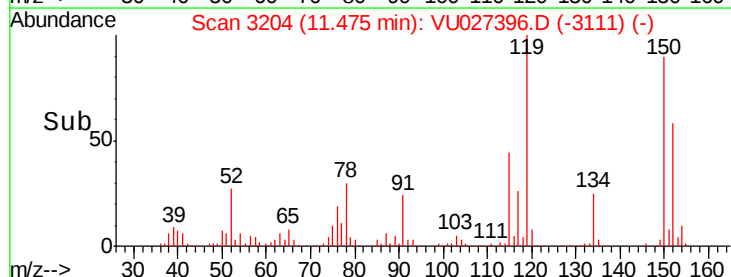
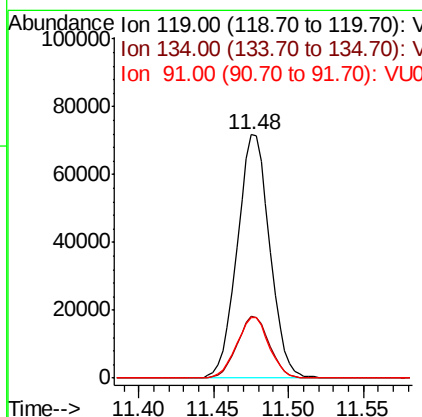
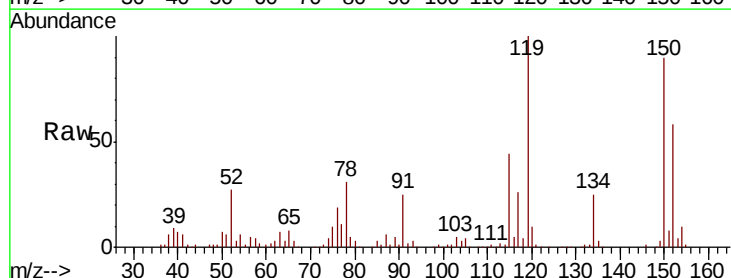
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004MBSD02

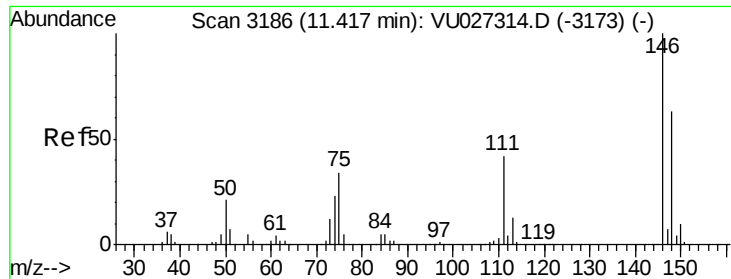
Tgt Ion:105 Resp: 126331
 Ion Ratio Lower Upper
 105 100
 134 18.9 9.6 28.6



#86
 p-Isopropyltoluene
 Concen: 19.532 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU027396.D
 Acq: 04 Oct 2018 10:26

Tgt Ion:119 Resp: 108606
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.7 38.1
 91 24.8 12.2 36.4

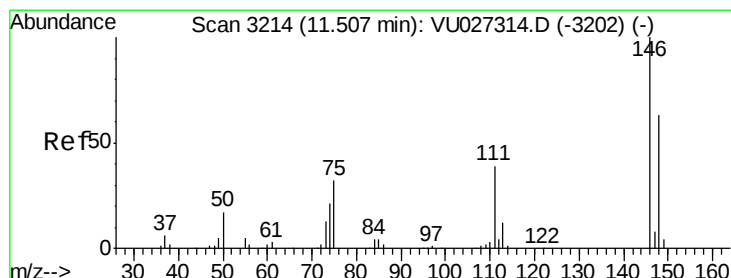
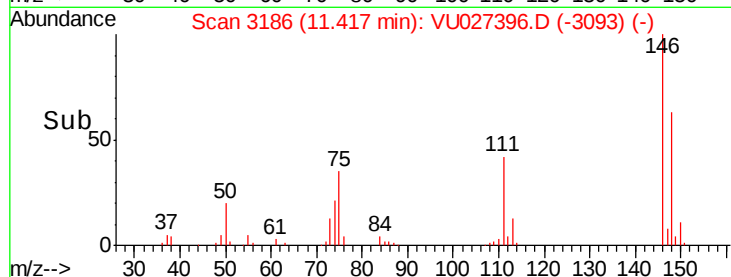
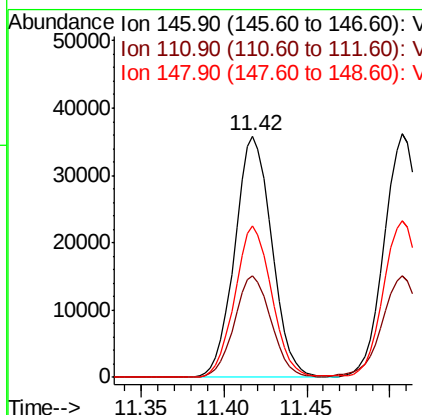
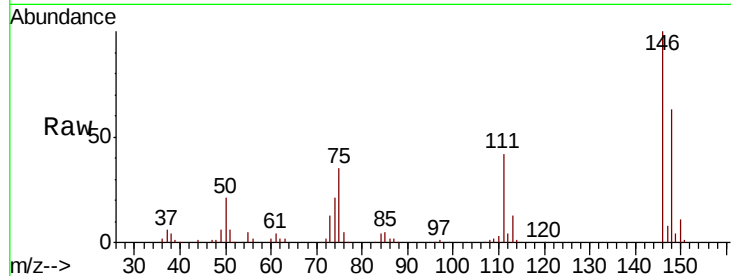




#87
 1,3-Dichlorobenzene
 Concen: 19.323 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU027396.D
 Acq: 04 Oct 2018 10:26

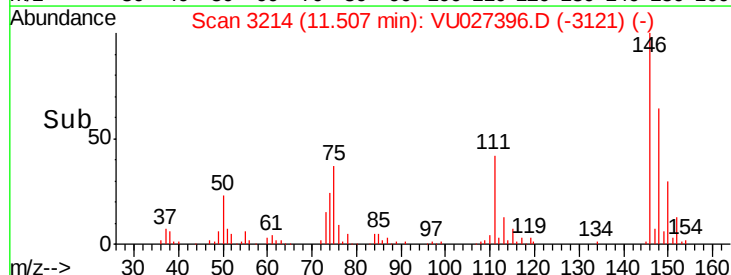
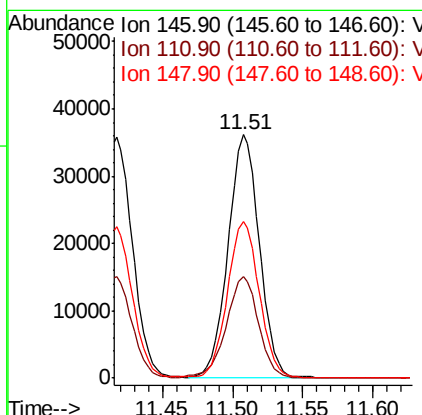
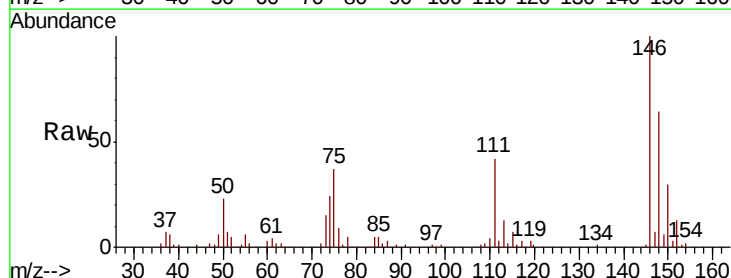
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004MBSD02

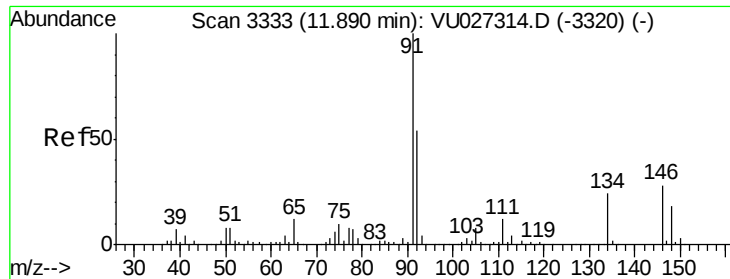
Tgt Ion:146 Resp: 55687
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.8 62.5
 148 62.6 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 19.119 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU027396.D
 Acq: 04 Oct 2018 10:26

Tgt Ion:146 Resp: 56306
 Ion Ratio Lower Upper
 146 100
 111 43.1 20.4 61.2
 148 65.3 31.9 95.5

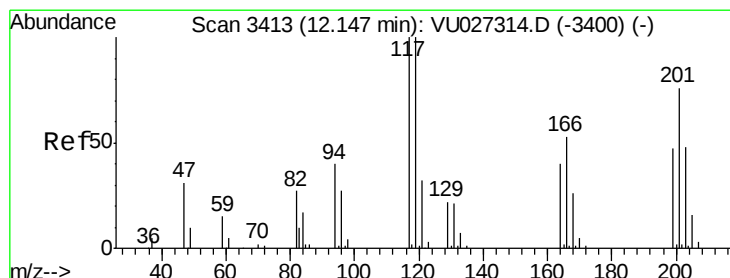
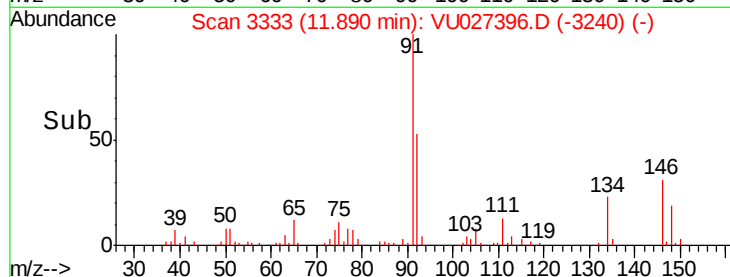
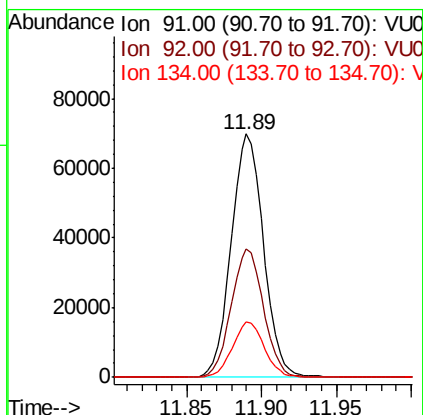
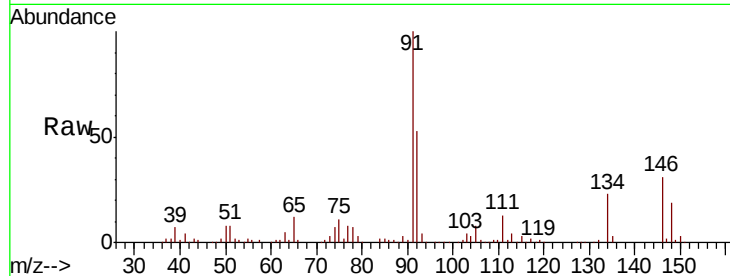




#89
n-Butylbenzene
Concen: 19.070 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. -0.00 min
Lab File: VU027396.D
Acq: 04 Oct 2018 10:26

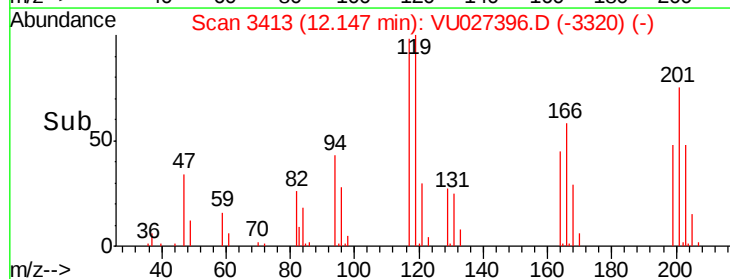
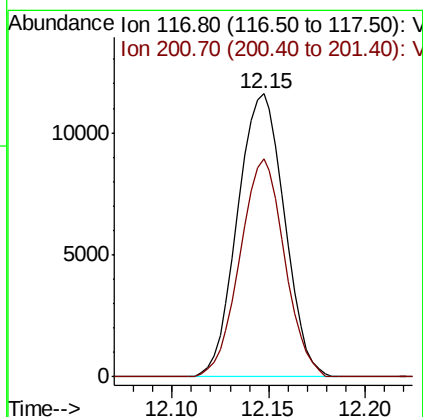
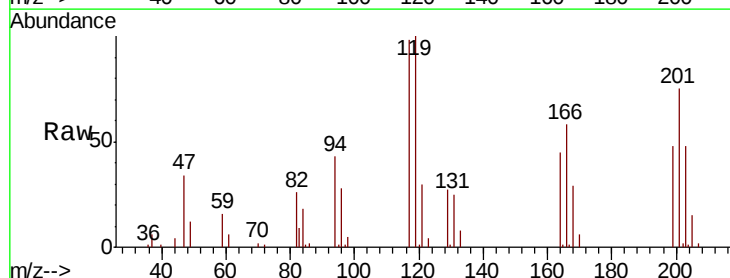
Instrument :
MSVOA_U
ClientSampleId :
VU1004MBSD02

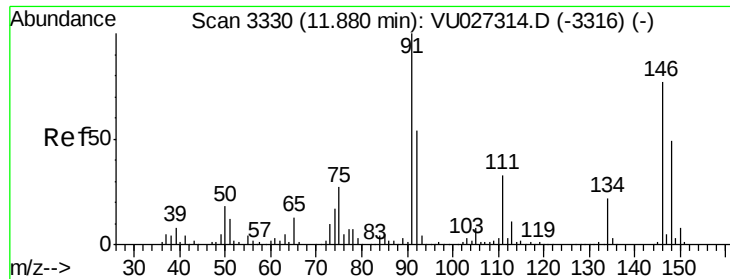
Tgt Ion: 91 Resp: 105123
Ion Ratio Lower Upper
91 100
92 52.6 27.0 81.0
134 22.5 11.7 35.1



#90
Hexachloroethane
Concen: 18.674 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU027396.D
Acq: 04 Oct 2018 10:26

Tgt Ion: 117 Resp: 19573
Ion Ratio Lower Upper
117 100
201 73.3 37.9 113.6

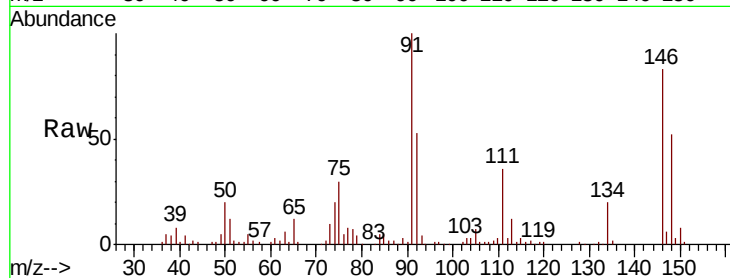




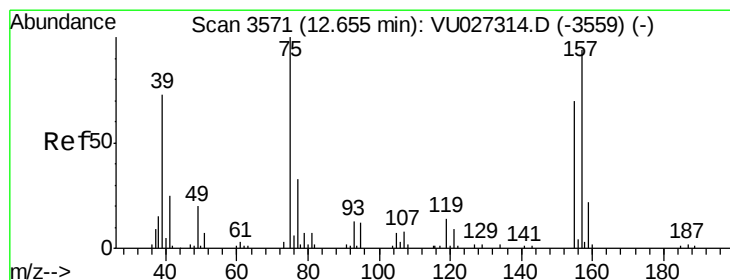
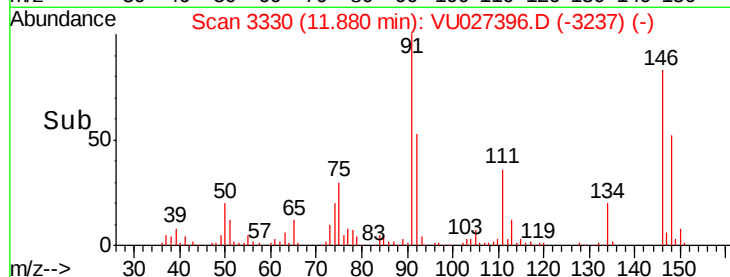
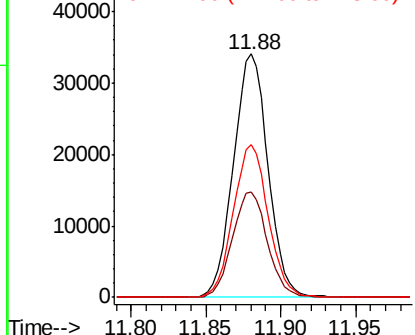
#91
 1,2-Dichlorobenzene
 Concen: 19.513 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU027396.D
 Acq: 04 Oct 2018 10:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004MBSD02

Tgt Ion: 146 Resp: 54740
 Ion Ratio Lower Upper
 146 100
 111 43.7 21.8 65.4
 148 63.3 31.9 95.5

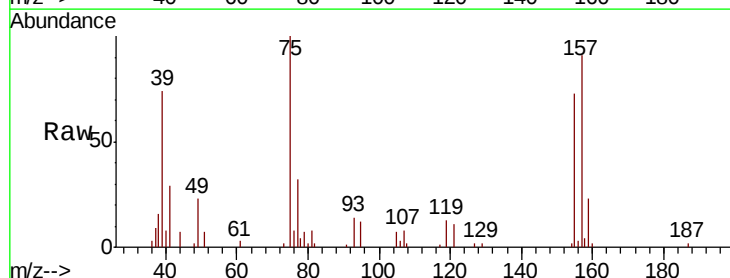


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

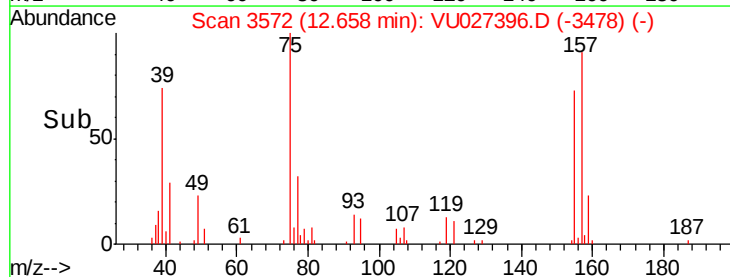
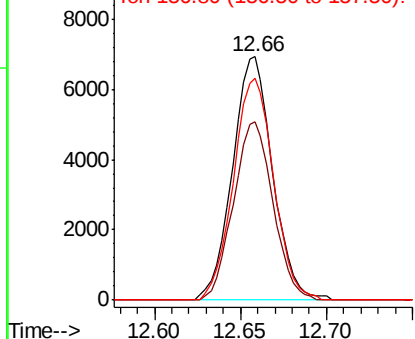


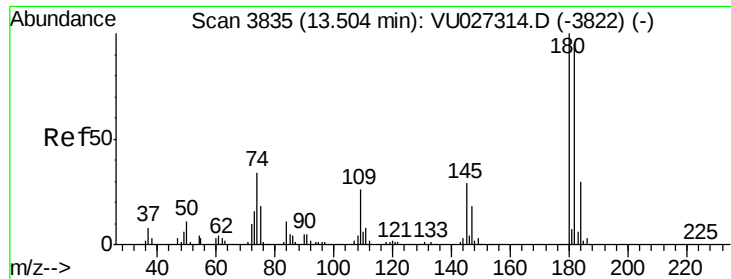
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.698 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU027396.D
 Acq: 04 Oct 2018 10:26

Tgt Ion: 75 Resp: 11226
 Ion Ratio Lower Upper
 75 100
 155 71.9 35.9 107.8
 157 91.3 46.9 140.6



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

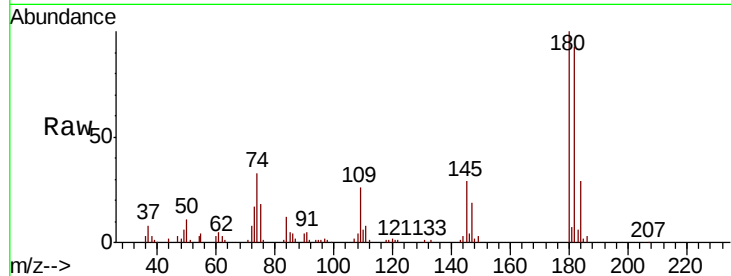




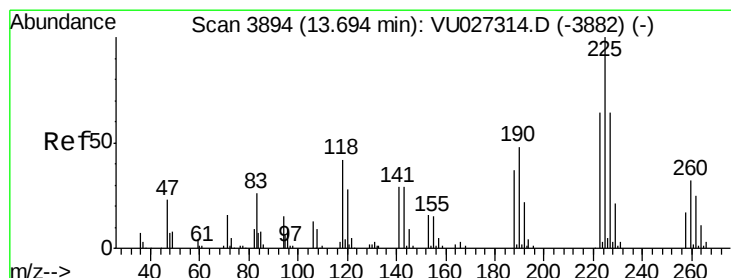
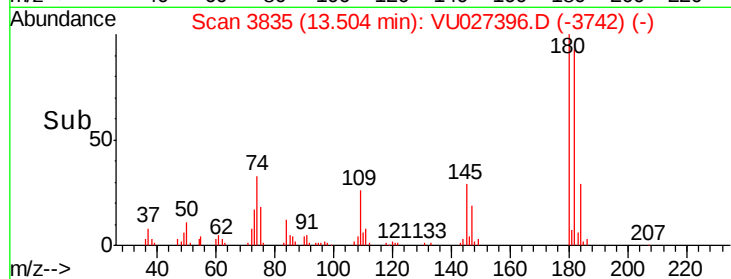
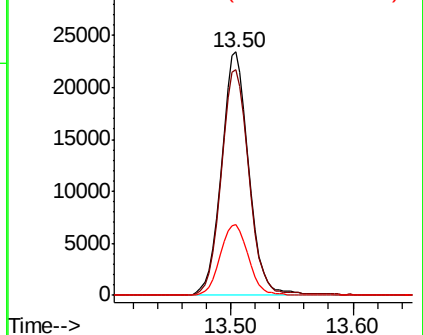
#93
 1,2,4-Trichlorobenzene
 Concen: 20.319 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU027396.D
 Acq: 04 Oct 2018 10:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004MBSD02

Tgt Ion:180 Resp: 36882
 Ion Ratio Lower Upper
 180 100
 182 94.3 47.4 142.3
 145 29.8 14.6 44.0

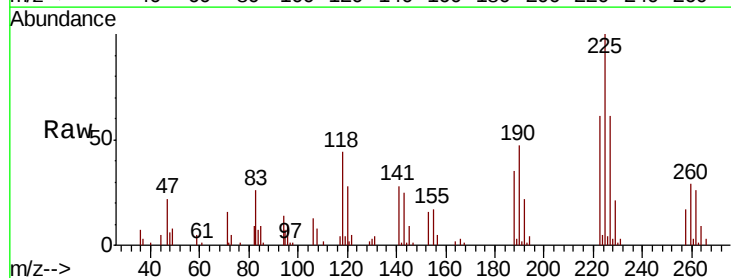


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

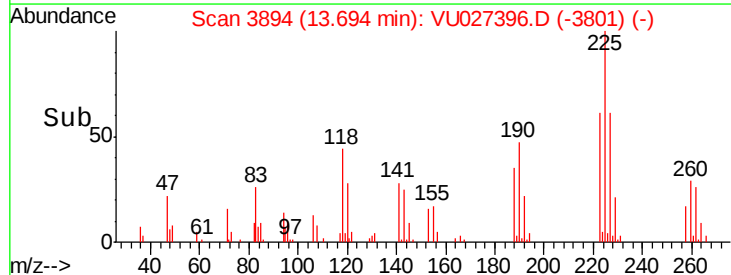
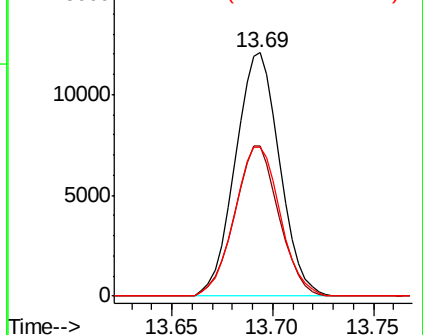


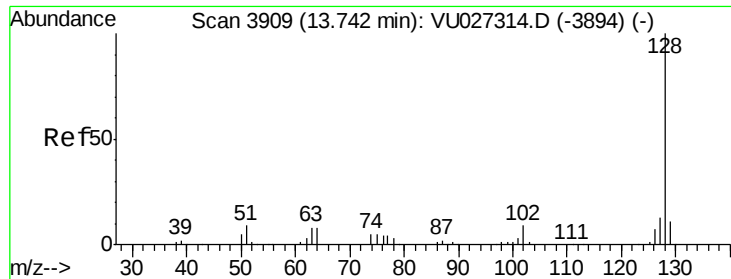
#94
 Hexachlorobutadiene
 Concen: 20.249 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU027396.D
 Acq: 04 Oct 2018 10:26

Tgt Ion:225 Resp: 18570
 Ion Ratio Lower Upper
 225 100
 223 61.5 31.8 95.3
 227 63.2 31.9 95.7



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

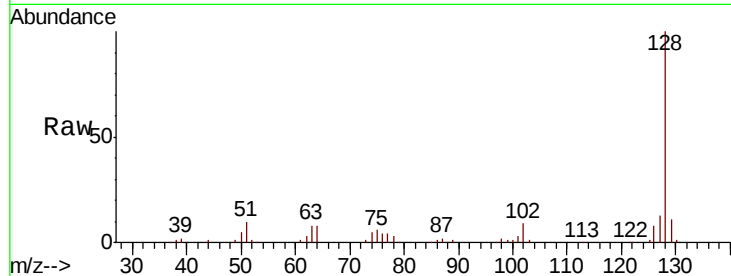




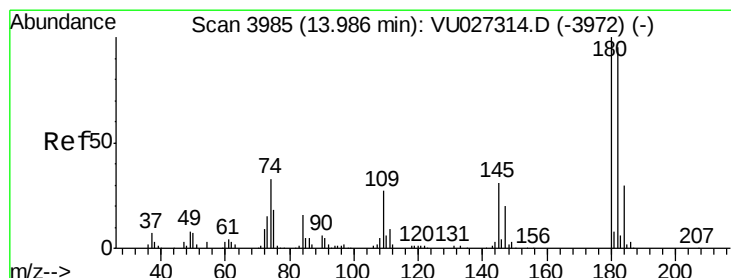
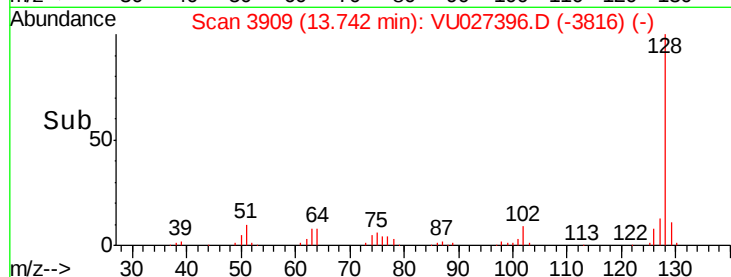
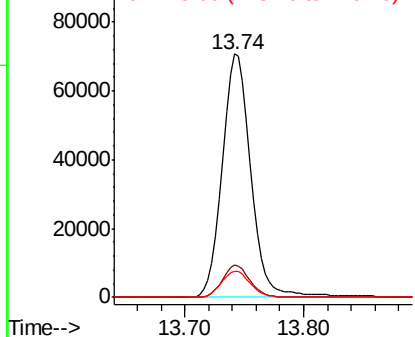
#95
Naphthalene
Concen: 18.354 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. -0.00 min
Lab File: VU027396.D
Acq: 04 Oct 2018 10:26

Instrument :
MSVOA_U
ClientSampleId :
VU1004MBSD02

Tgt Ion:128 Resp: 117709
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 11.0 8.6 12.8

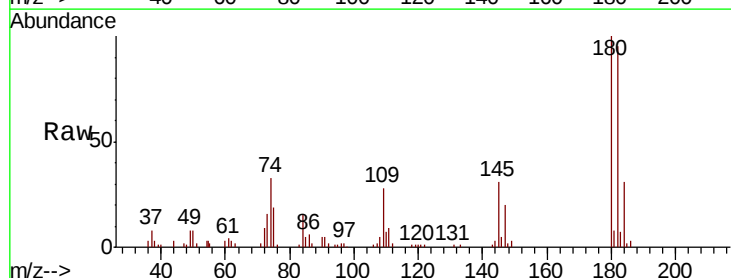


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.446 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. -0.00 min
Lab File: VU027396.D
Acq: 04 Oct 2018 10:26

Tgt Ion:180 Resp: 38665
Ion Ratio Lower Upper
180 100
182 94.2 47.4 142.2
145 31.0 15.9 47.7



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

