

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100418\
 Data File : VU027395.D
 Acq On : 04 Oct 2018 10:03
 Operator : MD/SY
 Sample : VU1004MBS01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004MBS02

Quant Time: Oct 05 03:11:24 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	113293	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	193709	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	182441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	93667	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	91554	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
35) Dibromofluoromethane	4.88	113	63760	48.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.06%	
50) Toluene-d8	7.57	98	245905	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
62) 4-Bromofluorobenzene	10.31	95	91279	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	33347	20.416	ug/l	100
3) Chloromethane	1.33	50	40617	18.368	ug/l	99
4) Vinyl Chloride	1.41	62	40102	19.292	ug/l	97
5) Bromomethane	1.62	94	17401	19.346	ug/l	98
6) Chloroethane	1.70	64	24106	19.299	ug/l	98
7) Trichlorofluoromethane	1.89	101	42950	20.364	ug/l	100
8) Diethyl Ether	2.11	74	18509	19.050	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.29	101	24713	20.176	ug/l	100
10) Methyl Iodide	2.41	142	17640	22.045	ug/l	99
11) Tert butyl alcohol	2.83	59	37995	95.374	ug/l	100
12) 1,1-Dichloroethene	2.29	96	22965	19.190	ug/l	98
13) Acrolein	2.20	56	16612	49.695	ug/l	96
14) Allyl chloride	2.59	41	52485	18.469	ug/l	100
15) Acrylonitrile	2.94	53	104016	100.317	ug/l	98
16) Acetone	2.32	43	100062	89.533	ug/l	99
17) Carbon Disulfide	2.48	76	76270	17.671	ug/l	100
18) Methyl Acetate	2.62	43	53239	20.882	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	92161	19.220	ug/l	98
20) Methylene Chloride	2.70	84	29651	19.047	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	26158	19.469	ug/l	96
22) Diisopropyl ether	3.58	45	113864	19.713	ug/l	94
23) Vinyl Acetate	3.53	43	478890	94.939	ug/l	100
24) 1,1-Dichloroethane	3.45	63	58374	19.659	ug/l	100
25) 2-Butanone	4.26	43	147704	96.917	ug/l	99
26) 2,2-Dichloropropane	4.23	77	47556	19.491	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	29334	19.092	ug/l	98
28) Bromochloromethane	4.55	49	29112	20.322	ug/l	98
29) Tetrahydrofuran	4.64	42	94414	98.301	ug/l	99
30) Chloroform	4.68	83	53053	20.110	ug/l	99
31) Cyclohexane	5.00	56	56483	18.466	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	43922	19.768	ug/l	99
36) 1,1-Dichloropropene	5.14	75	40173	19.101	ug/l	99
37) Ethyl Acetate	4.38	43	51994	19.128	ug/l	99
38) Carbon Tetrachloride	5.14	117	36619	19.274	ug/l	99

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Instrument :
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 VU1004MBS02

Quant Time: Oct 05 03:11:24 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)
39) Methylcyclohexane	6.42	83	45628	18.559	ug/l	98
40) Benzene	5.39	78	120187	19.618	ug/l	100
41) Methacrylonitrile	4.55	41	29253	19.040	ug/l	98
42) 1,2-Dichloroethane	5.41	62	45633	20.066	ug/l	100
43) Isopropyl Acetate	5.55	43	82241	19.481	ug/l	98
44) Trichloroethene	6.19	130	26070	19.084	ug/l	98
45) 1,2-Dichloropropane	6.43	63	34593	19.576	ug/l	98
46) Dibromomethane	6.56	93	20565	20.606	ug/l	96
47) Bromodichloromethane	6.76	83	40872	19.736	ug/l	98
48) Methyl methacrylate	6.62	41	40213	19.155	ug/l	98
49) 1,4-Dioxane	6.61	88	15670	433.810	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	268878	98.012	ug/l	99
52) Toluene	7.64	92	71034	19.589	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	46469	19.138	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	51004	19.540	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	28446	19.785	ug/l	97
56) Ethyl methacrylate	8.02	69	44535	17.712	ug/l	100
57) 1,3-Dichloropropane	8.24	76	53599	19.204	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	132061	92.698	ug/l	100
59) 2-Hexanone	8.36	43	205874	96.743	ug/l	99
60) Dibromochloromethane	8.48	129	27874	19.330	ug/l	100
61) 1,2-Dibromoethane	8.59	107	29457	19.270	ug/l	99
64) Tetrachloroethene	8.23	164	21758	19.158	ug/l	98
65) Chlorobenzene	9.12	112	74082	19.291	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	25148	18.969	ug/l	100
67) Ethyl Benzene	9.25	91	128278	18.854	ug/l	99
68) m/p-Xylenes	9.38	106	96728	38.866	ug/l	99
69) o-Xylene	9.78	106	45314	19.160	ug/l	99
70) Styrene	9.79	104	76107	18.723	ug/l	99
71) Bromoform	9.96	173	20194	18.933	ug/l #	96
73) Isopropylbenzene	10.17	105	124713	18.332	ug/l	100
74) N-amyl acetate	10.02	43	68666	17.631	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	48948	18.324	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	57706	23.766	ug/l	82
77) Bromobenzene	10.45	156	29377	18.581	ug/l	99
78) n-propylbenzene	10.59	91	155330	19.002	ug/l	100
79) 2-Chlorotoluene	10.66	91	91270	18.492	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	105084	18.973	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	57706	62.199	ug/l #	100
82) 4-Chlorotoluene	10.77	91	108386	19.351	ug/l	99
83) tert-Butylbenzene	11.10	119	98175	18.336	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	108507	19.179	ug/l	100
85) sec-Butylbenzene	11.32	105	128310	19.019	ug/l	99
86) p-Isopropyltoluene	11.48	119	109843	19.016	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	55658	18.591	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	57180	18.691	ug/l	98
89) n-Butylbenzene	11.89	91	106595	18.661	ug/l	99
90) Hexachloroethane	12.15	117	19847	18.229	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	55152	18.926	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10466	17.679	ug/l	96

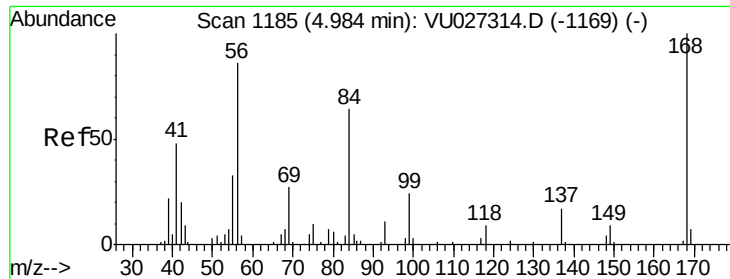
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU100418\
Data File : VU027395.D
Acq On : 04 Oct 2018 10:03
Operator : MD/SY
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Instrument :
MSVOA_U
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VU1004MBS02

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Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	13.50	180	37400	19.835	ug/l	99
94) Hexachlorobutadiene	13.69	225	18722	19.652	ug/l	99
95) Naphthalene	13.74	128	116516	17.567	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	39137	19.923	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: VU027395.D

Acq: 04 Oct 2018 10:03

Instrument :

MSVOA_U

ClientSampleId :

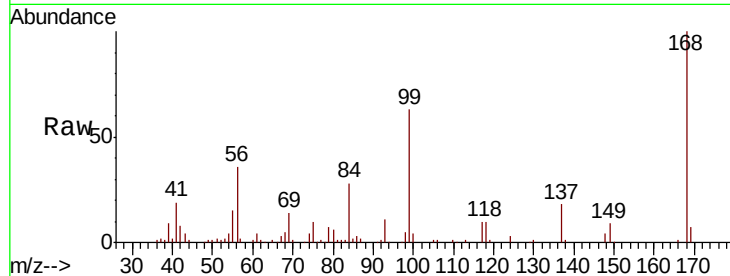
VU1004MBS02

Tgt Ion:168 Resp: 113293

Ion Ratio Lower Upper

168 100

99 62.2 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) (-)

4.99

50000

40000

30000

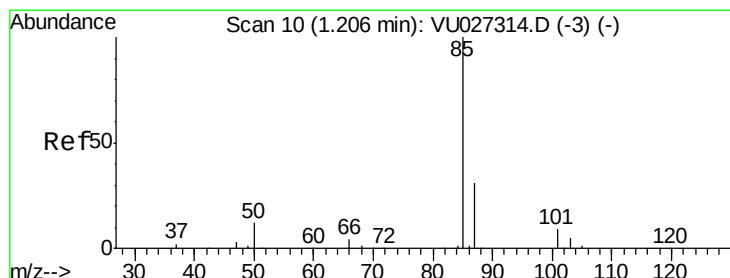
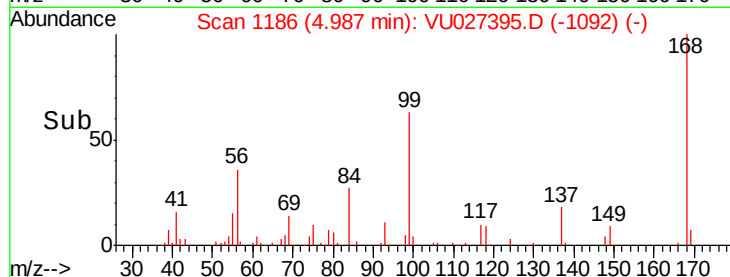
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.416 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027395.D

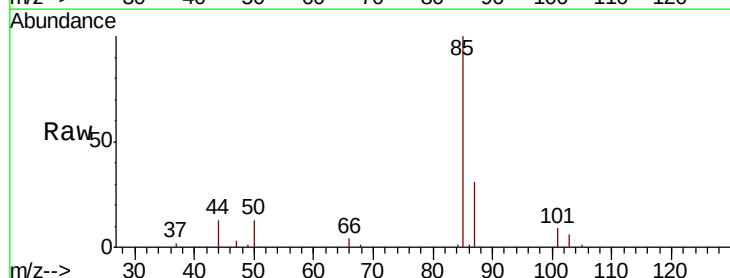
Acq: 04 Oct 2018 10:03

Tgt Ion: 85 Resp: 33347

Ion Ratio Lower Upper

85 100

87 31.2 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) (-)

1.21

30000

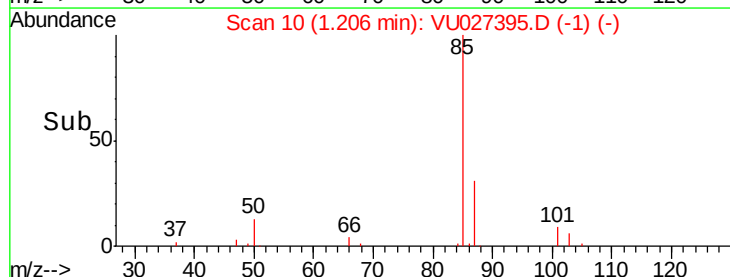
20000

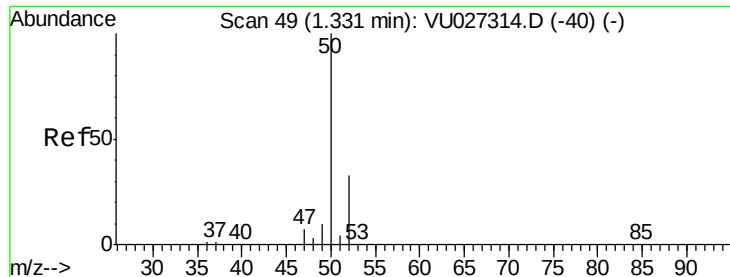
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 18.368 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027395.D

Acq: 04 Oct 2018 10:03

Instrument :

MSVOA_U

ClientSampleId :

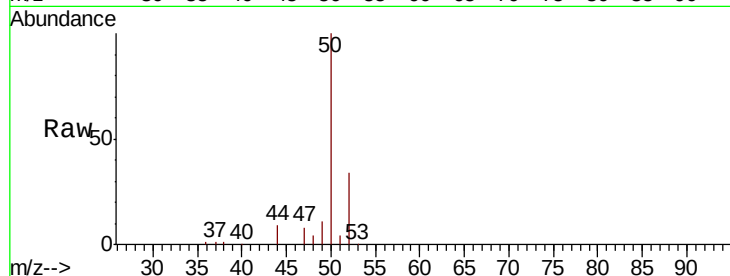
VU1004MBS02

Tgt Ion: 50 Resp: 40617

Ion Ratio Lower Upper

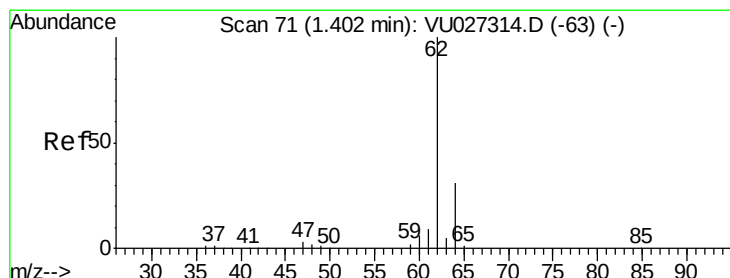
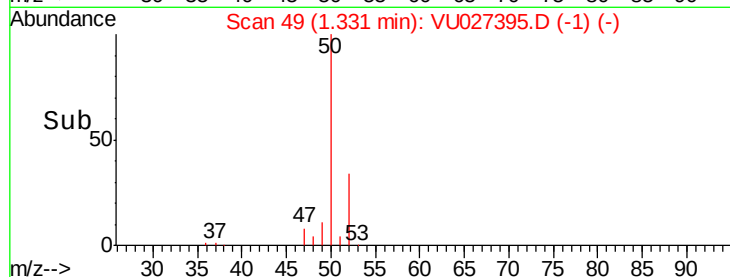
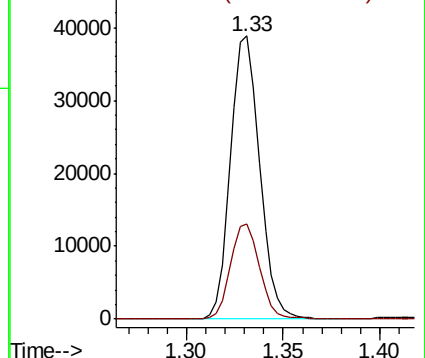
50 100

52 33.6 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: 19.292 ug/l

RT: 1.41 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027395.D

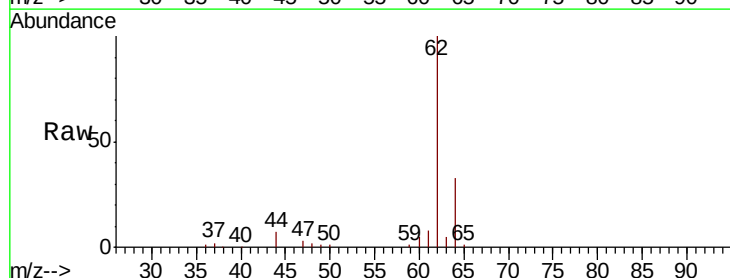
Acq: 04 Oct 2018 10:03

Tgt Ion: 62 Resp: 40102

Ion Ratio Lower Upper

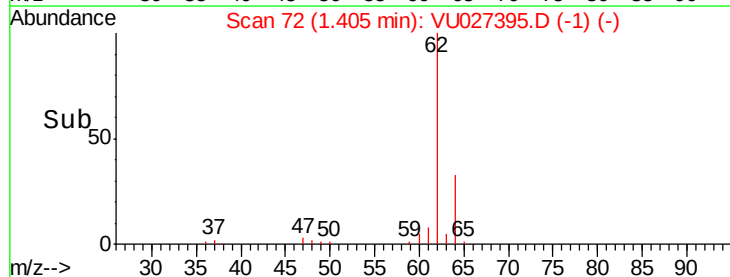
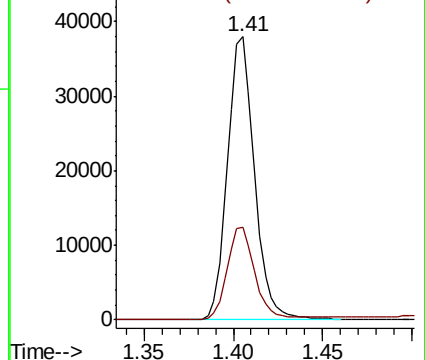
62 100

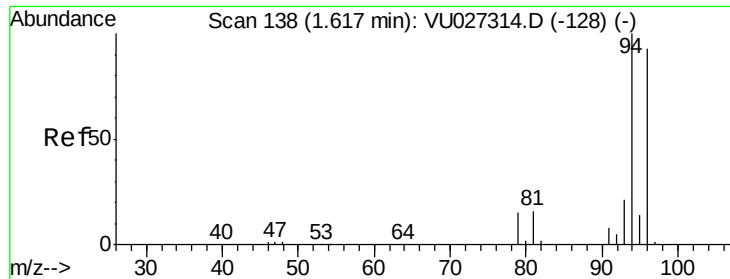
64 32.7 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 19.346 ug/l

RT: 1.62 min Scan# 140

Delta R.T. 0.01 min

Lab File: VU027395.D

Acq: 04 Oct 2018 10:03

Instrument :

MSVOA_U

ClientSampleId :

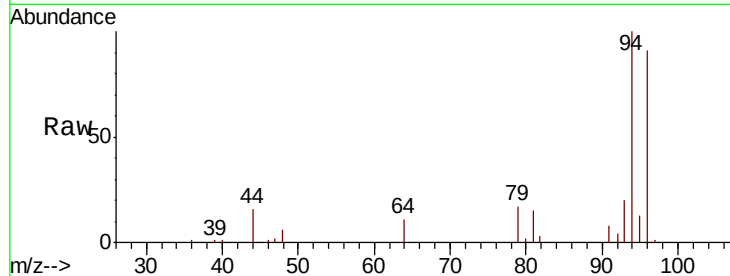
VU1004MBS02

Tgt Ion: 94 Resp: 17401

Ion Ratio Lower Upper

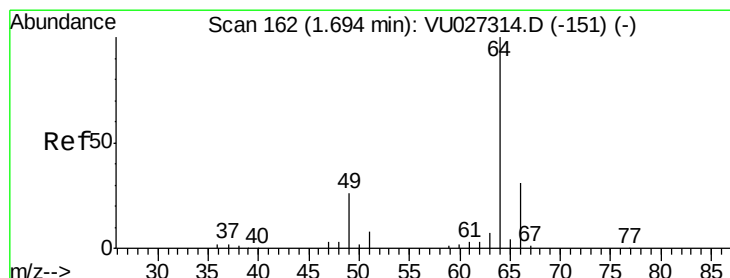
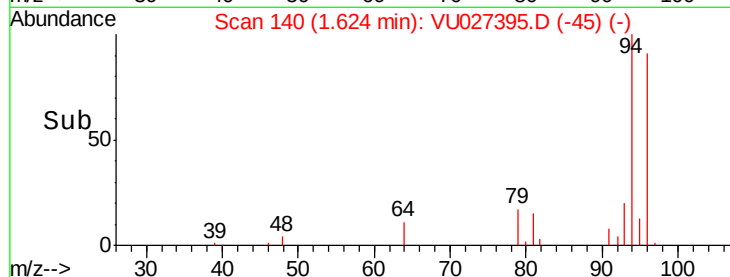
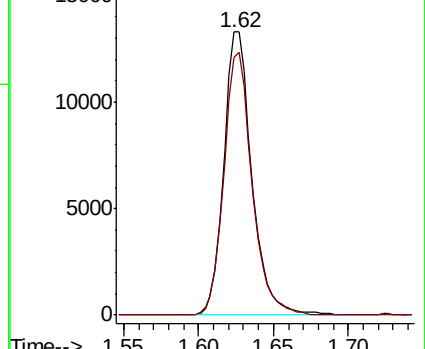
94 100

96 91.1 74.6 111.8



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 19.299 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU027395.D

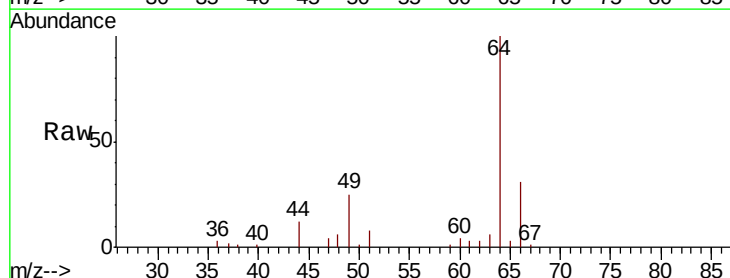
Acq: 04 Oct 2018 10:03

Tgt Ion: 64 Resp: 24106

Ion Ratio Lower Upper

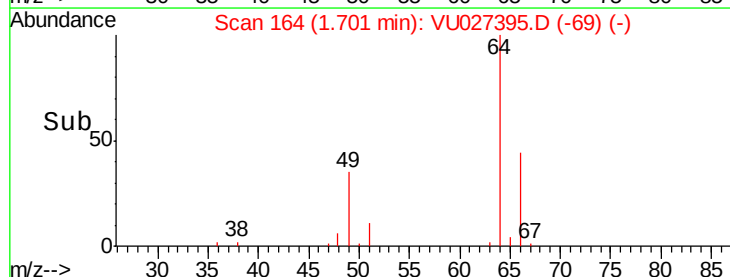
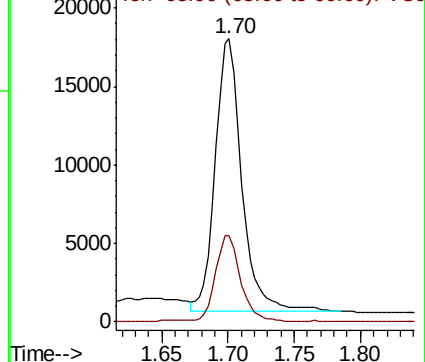
64 100

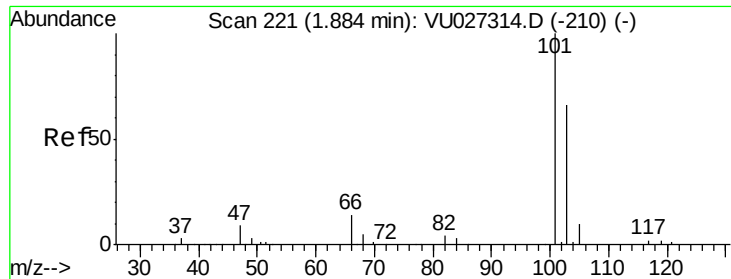
66 31.8 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



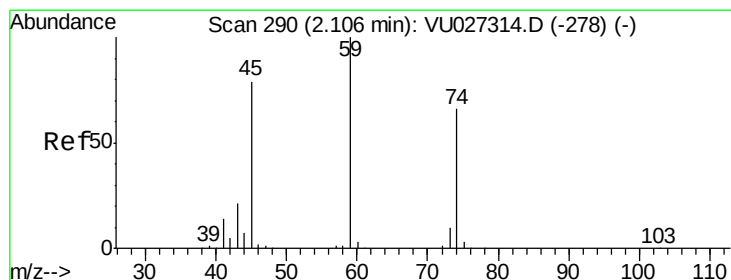
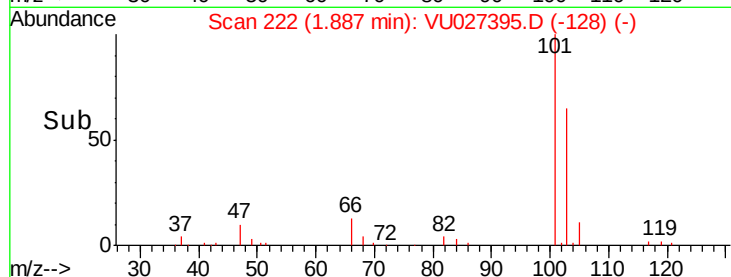
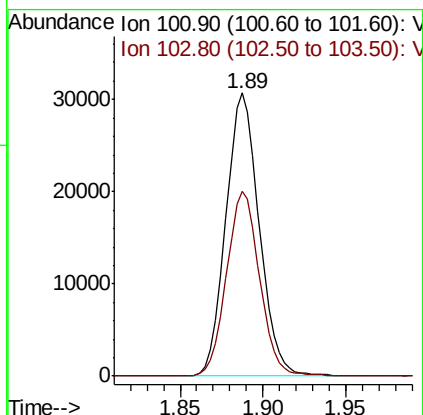
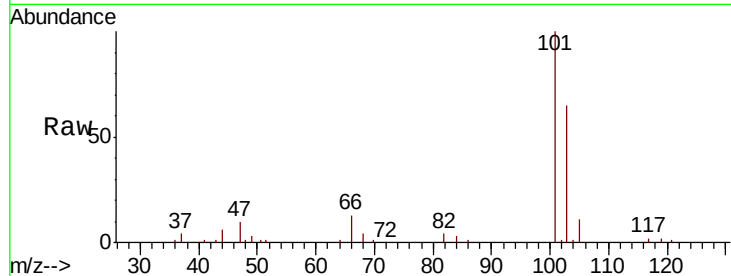


#7

Trichlorofluoromethane
Concen: 20.364 ug/l
RT: 1.89 min Scan# 222
Delta R.T. 0.00 min
Lab File: VU027395.D
Acq: 04 Oct 2018 10:03

Instrument :
MSVOA_U
ClientSampleId :
VU1004MBS02

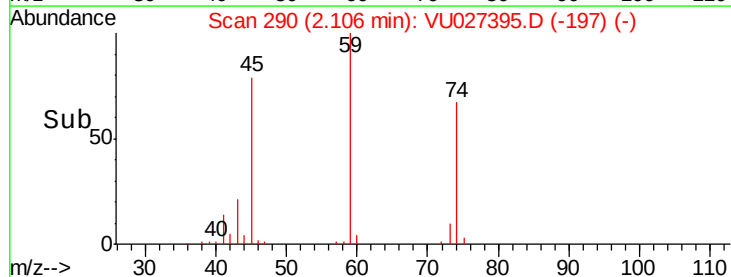
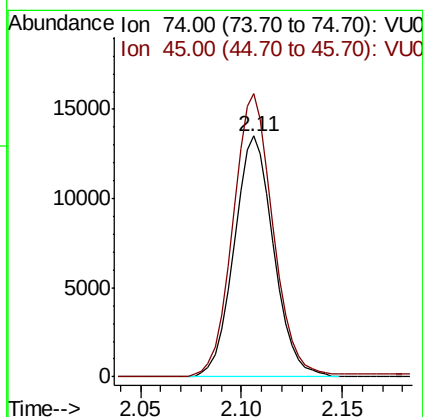
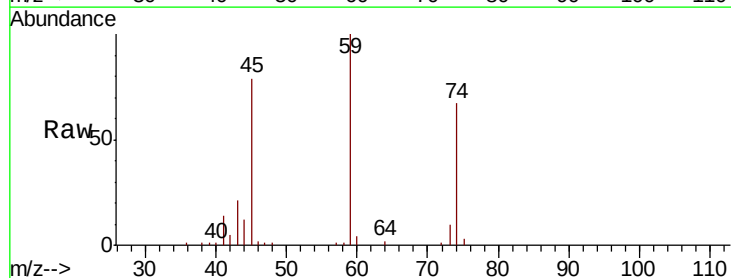
Tgt Ion:101 Resp: 42950
Ion Ratio Lower Upper
101 100
103 65.5 52.6 78.8

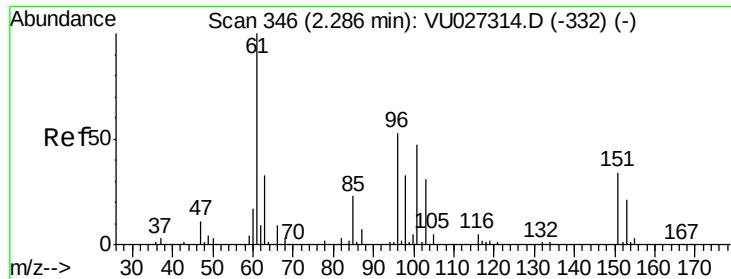


#8

Diethyl Ether
Concen: 19.050 ug/l
RT: 2.11 min Scan# 290
Delta R.T. 0.00 min
Lab File: VU027395.D
Acq: 04 Oct 2018 10:03

Tgt Ion: 74 Resp: 18509
Ion Ratio Lower Upper
74 100
45 120.4 60.4 181.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.176 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027395.D

Acq: 04 Oct 2018 10:03

Instrument :

MSVOA_U

ClientSampleId :

VU1004MBS02

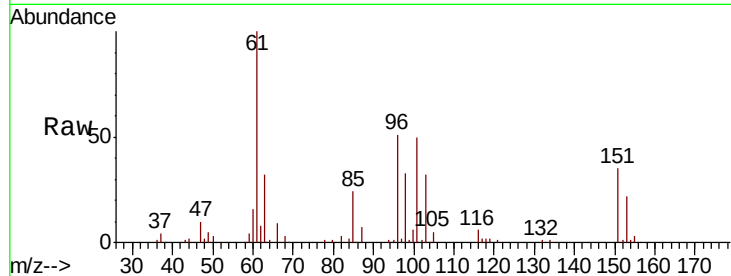
Tgt Ion:101 Resp: 24713

Ion Ratio Lower Upper

101 100

85 46.9 37.5 56.3

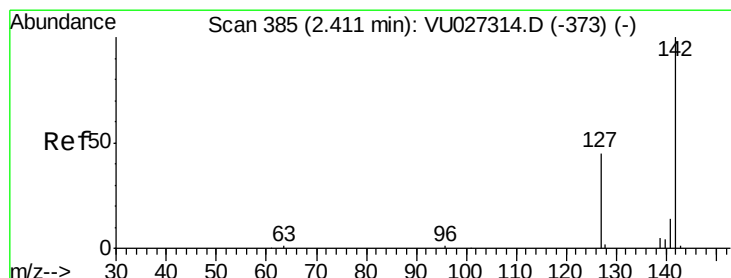
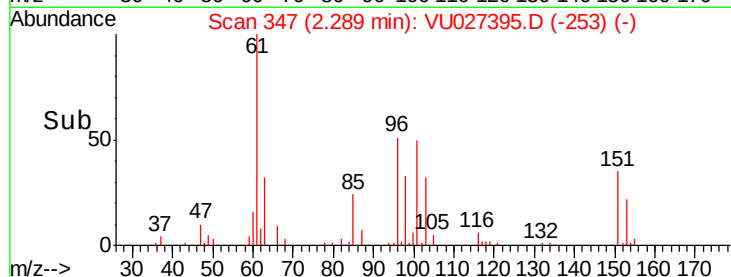
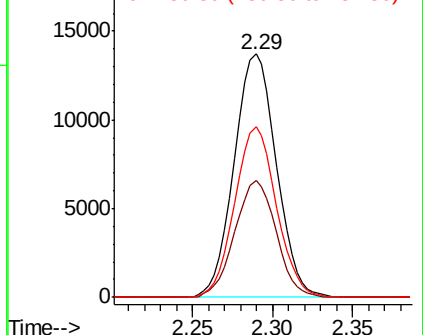
151 69.0 55.6 83.4



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: 22.045 ug/l

RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU027395.D

Acq: 04 Oct 2018 10:03

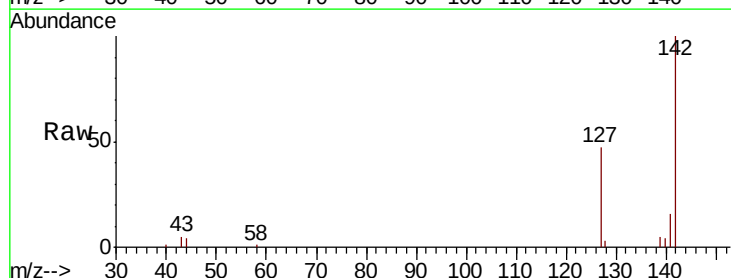
Tgt Ion:142 Resp: 17640

Ion Ratio Lower Upper

142 100

127 46.5 36.3 54.5

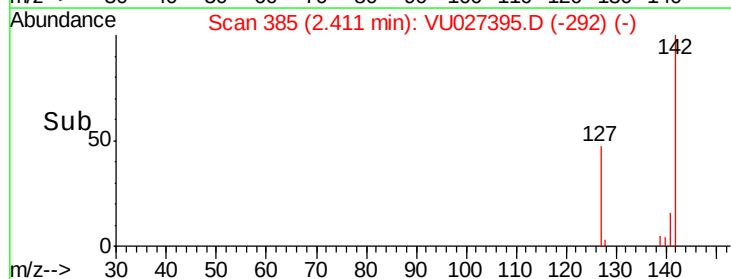
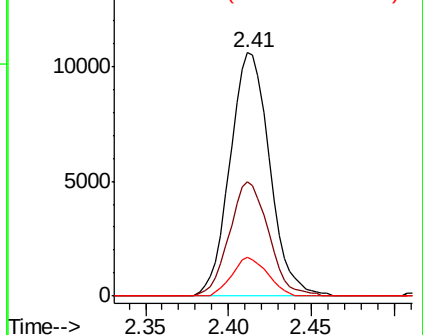
141 14.2 11.6 17.4

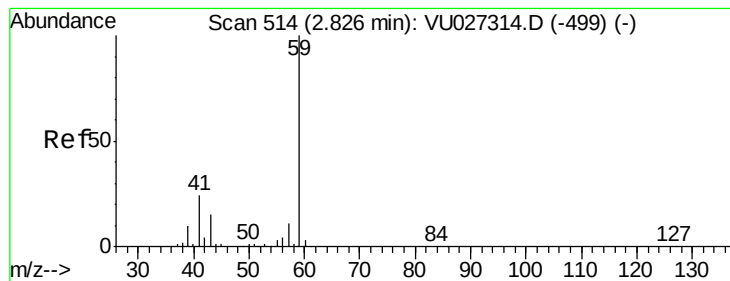


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 95.374 ug/l

RT: 2.83 min Scan# 514

Delta R.T. 0.00 min

Lab File: VU027395.D

Acq: 04 Oct 2018 10:03

Instrument :

MSVOA_U

ClientSampleId :

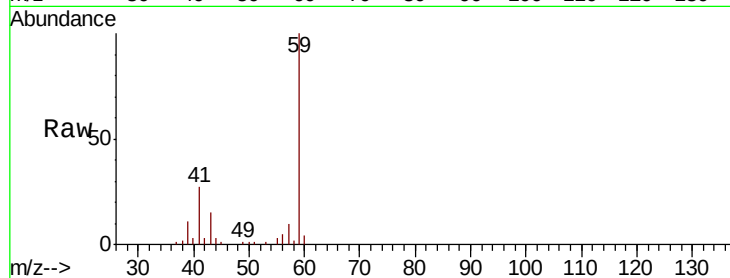
VU1004MBS02

Tgt Ion: 59 Resp: 37995

Ion Ratio Lower Upper

59 100

57 10.4 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

2.83

20000

15000

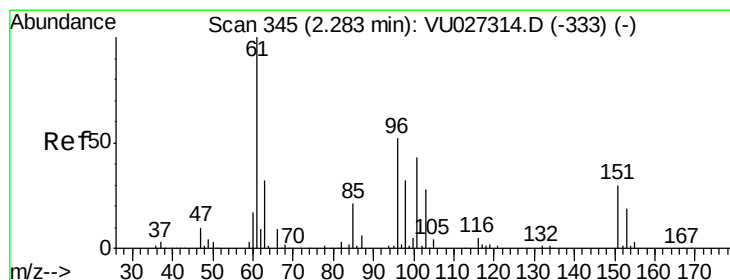
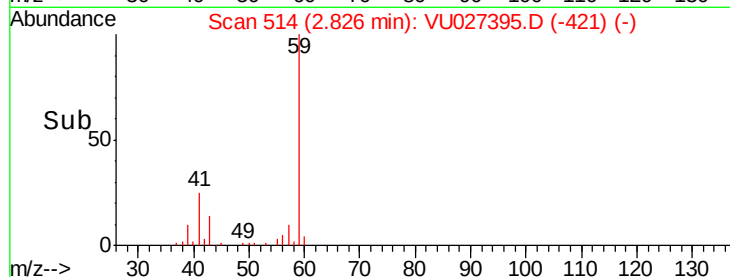
10000

5000

0

Time-->

2.75 2.80 2.85 2.90



#12

1,1-Dichloroethene

Concen: 19.190 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027395.D

Acq: 04 Oct 2018 10:03

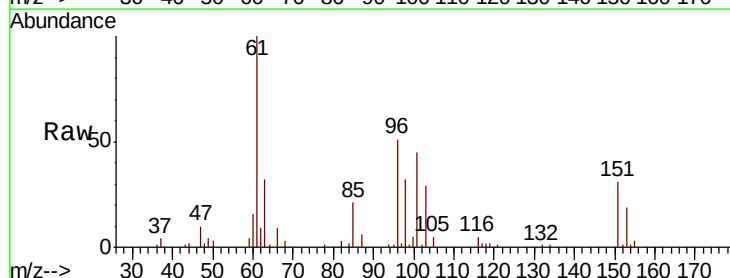
Tgt Ion: 96 Resp: 22965

Ion Ratio Lower Upper

96 100

61 194.8 153.0 229.6

98 63.1 49.3 73.9



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

40000

30000

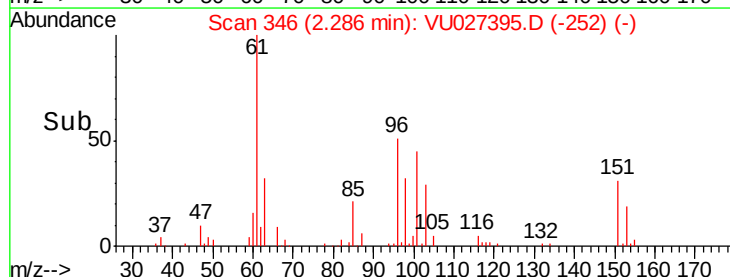
20000

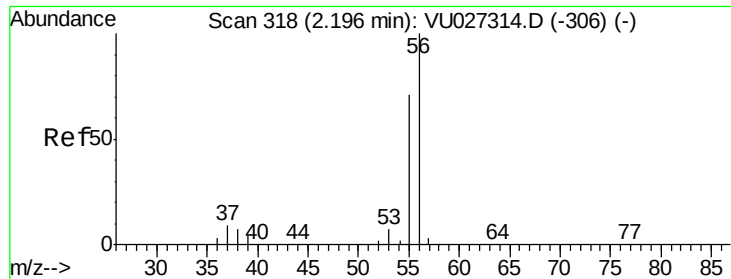
10000

0

Time-->

2.25 2.30 2.35





#13

Acrolein

Concen: 49.695 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027395.D

Acq: 04 Oct 2018 10:03

Instrument :

MSVOA_U

ClientSampleId :

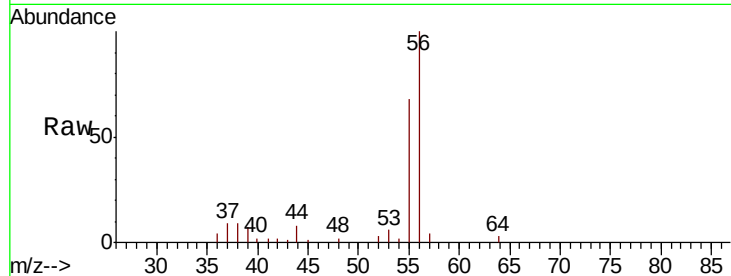
VU1004MBS02

Tgt Ion: 56 Resp: 16612

Ion Ratio Lower Upper

56 100

55 68.6 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

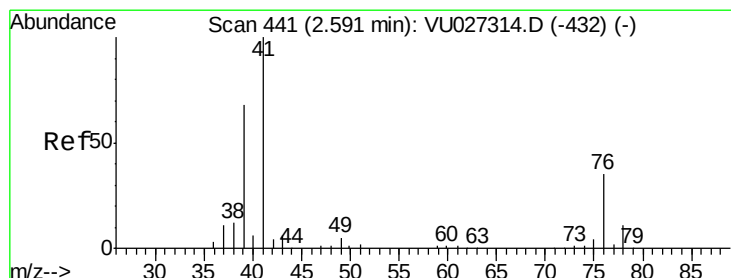
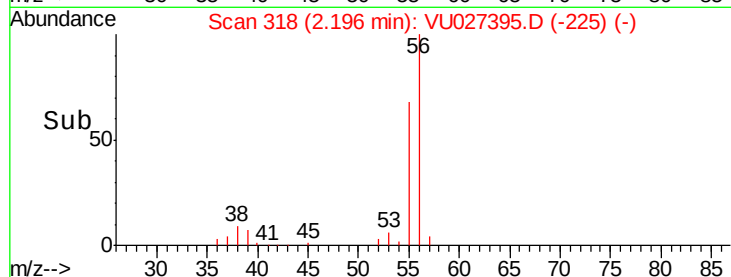
4000

2000

0

Time-->

2.15 2.20 2.25



#14

Allyl chloride

Concen: 18.469 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU027395.D

Acq: 04 Oct 2018 10:03

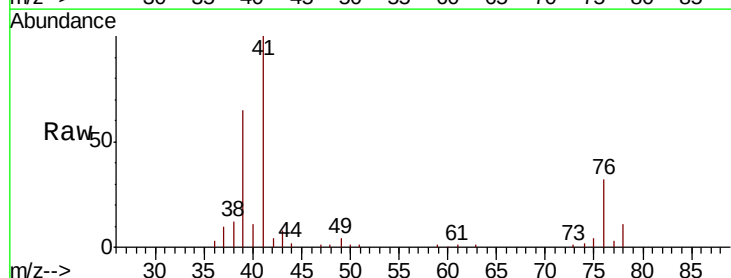
Tgt Ion: 41 Resp: 52485

Ion Ratio Lower Upper

41 100

39 64.8 51.8 77.8

76 32.4 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

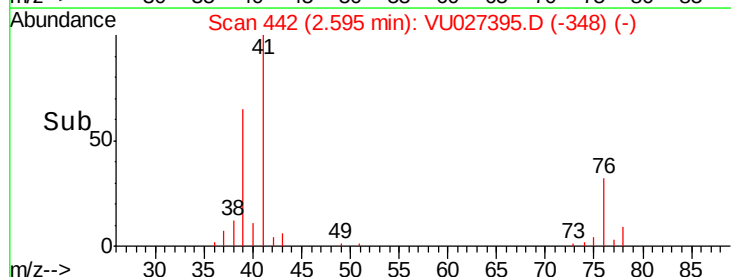
20000

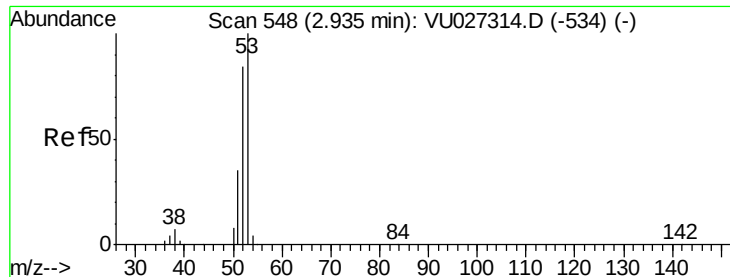
10000

0

Time-->

2.55 2.60 2.65





#15

Acrylonitrile

Concen: 100.317 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027395.D

Acq: 04 Oct 2018 10:03

Instrument :

MSVOA_U

ClientSampleId :

VU1004MBS02

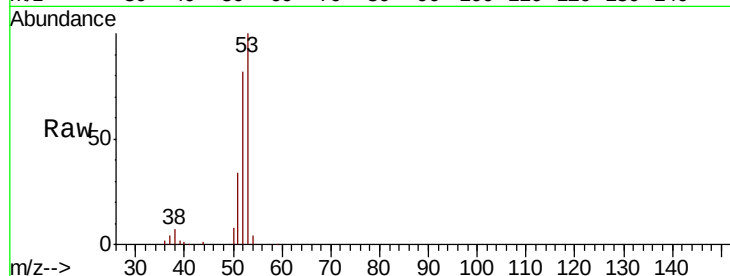
Tgt Ion: 53 Resp: 104016

Ion Ratio Lower Upper

53 100

52 80.4 66.5 99.7

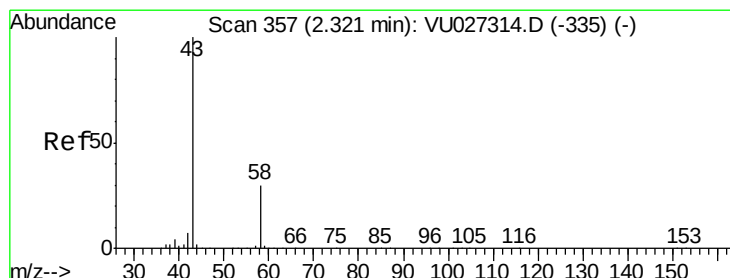
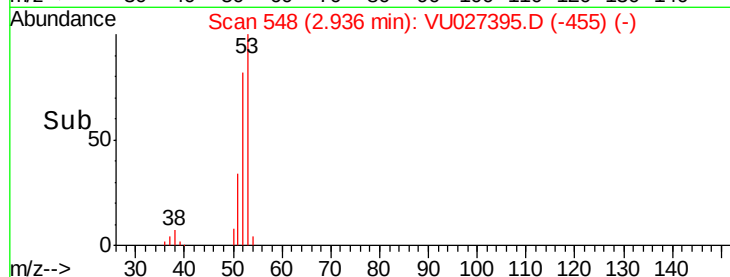
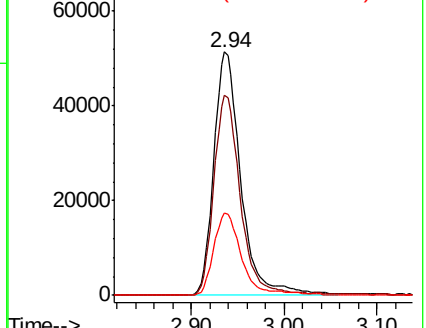
51 35.2 27.6 41.4



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: 89.533 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU027395.D

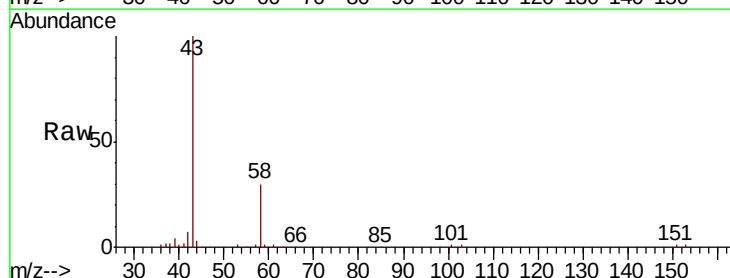
Acq: 04 Oct 2018 10:03

Tgt Ion: 43 Resp: 100062

Ion Ratio Lower Upper

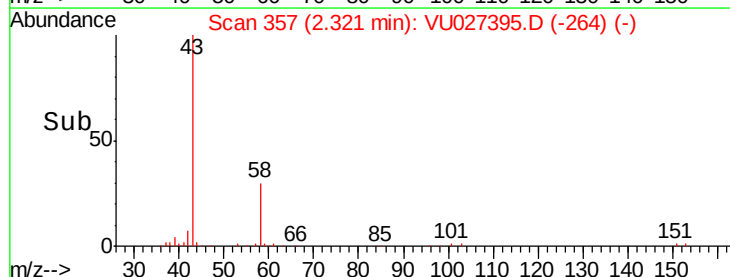
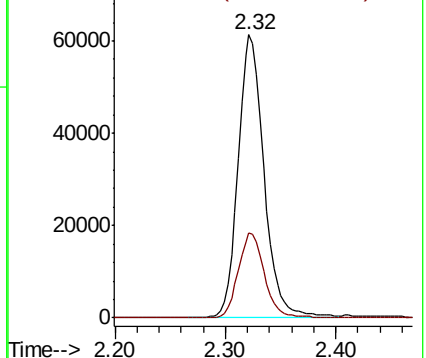
43 100

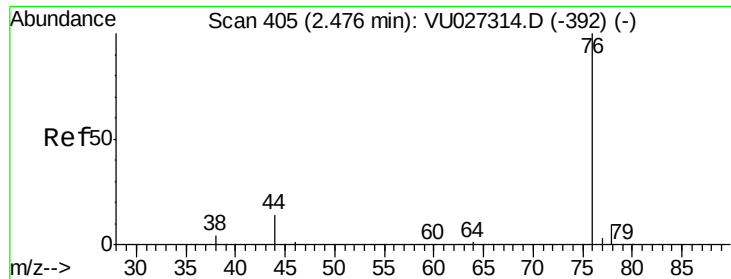
58 29.8 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

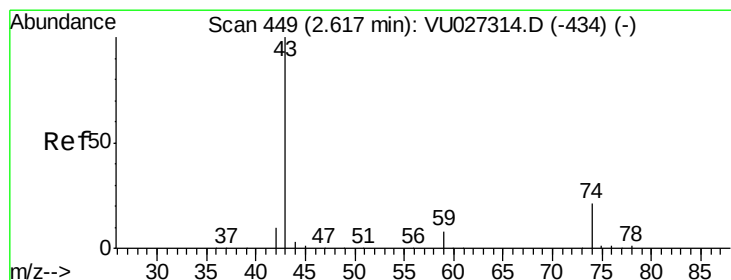
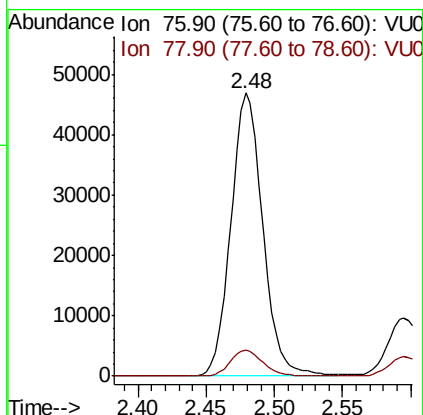
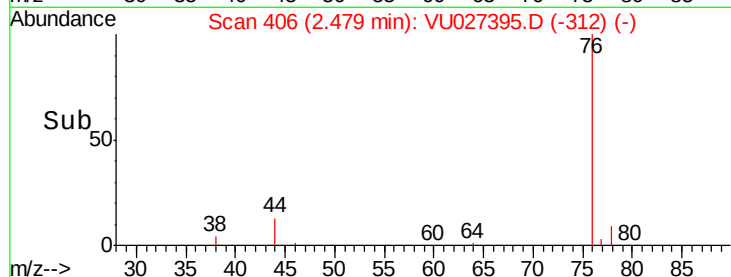
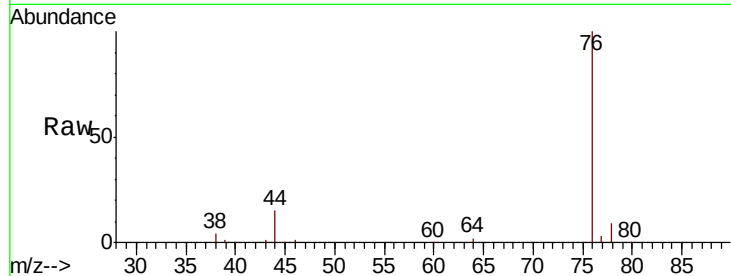




#17
Carbon Disulfide
Concen: 17.671 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.00 min
Lab File: VU027395.D
Acq: 04 Oct 2018 10:03

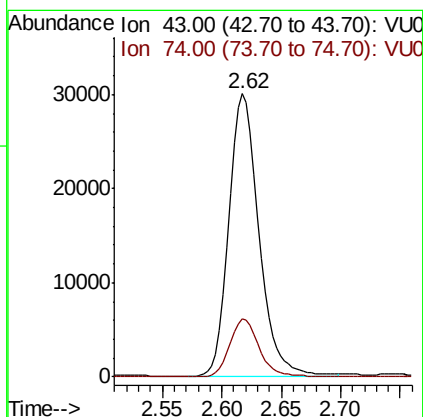
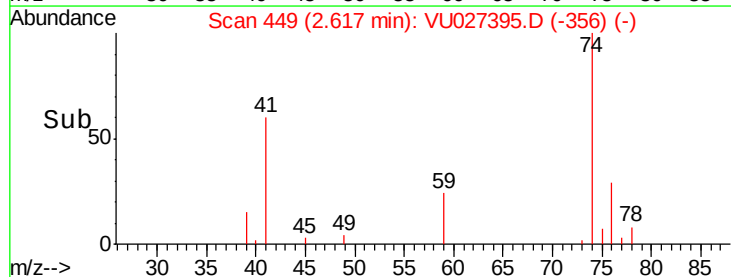
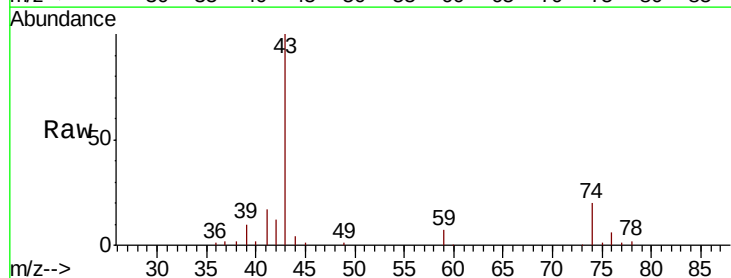
Instrument :
MSVOA_U
ClientSampleId :
VU1004MBS02

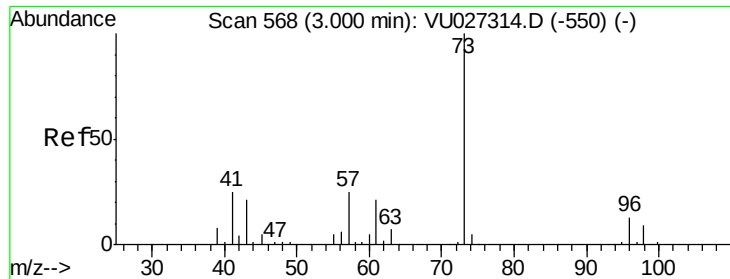
Tgt Ion: 76 Resp: 76270
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9



#18
Methyl Acetate
Concen: 20.882 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU027395.D
Acq: 04 Oct 2018 10:03

Tgt Ion: 43 Resp: 53239
Ion Ratio Lower Upper
43 100
74 19.8 16.5 24.7

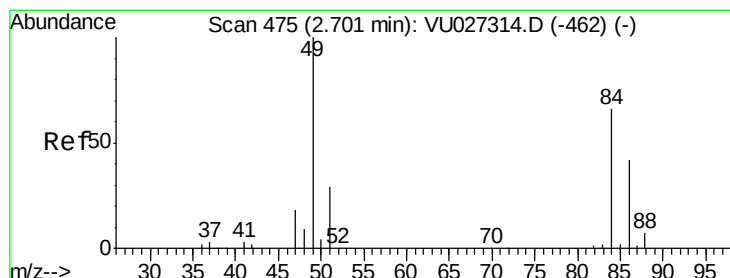
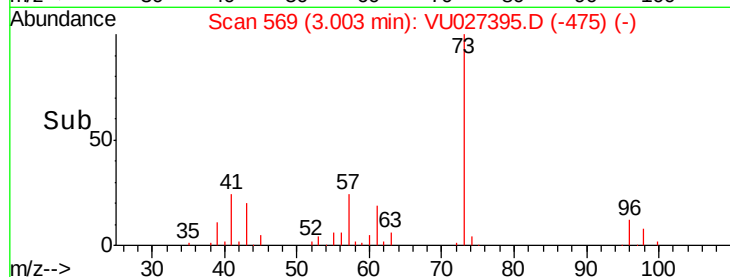
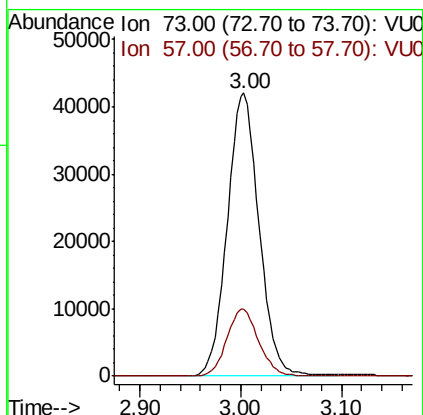
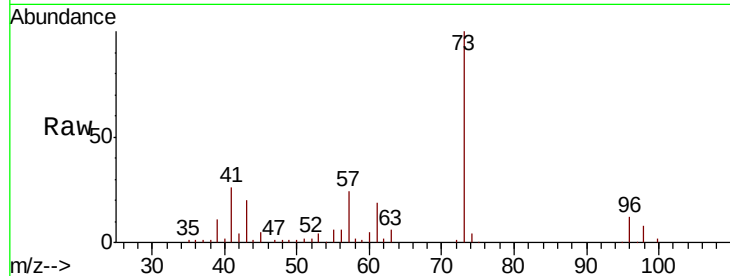




#19
Methyl tert-butyl Ether
Concen: 19.220 ug/l
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU027395.D
Acq: 04 Oct 2018 10:03

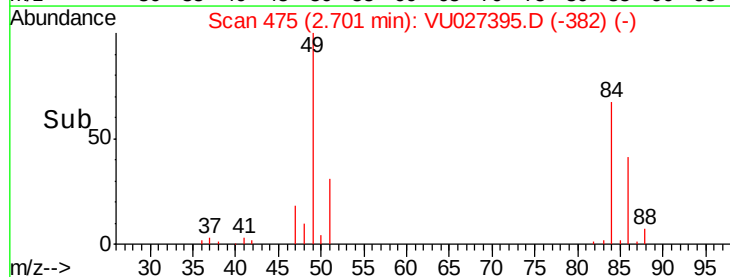
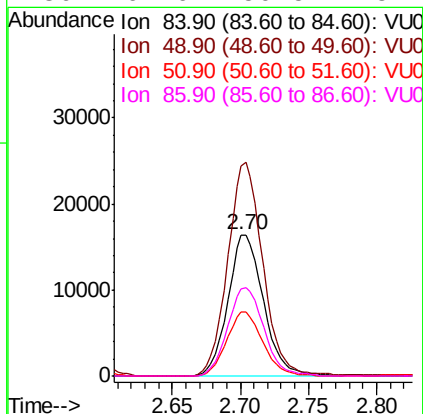
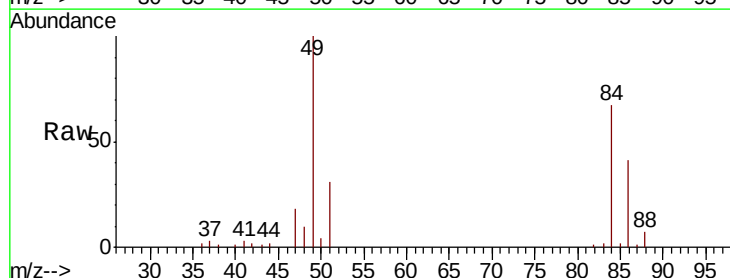
Instrument :
MSVOA_U
ClientSampleId :
VU1004MBS02

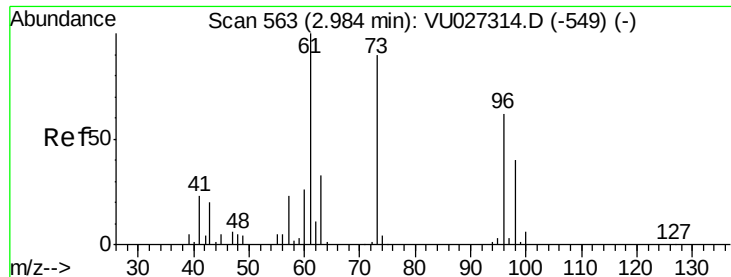
Tgt Ion: 73 Resp: 92161
Ion Ratio Lower Upper
73 100
57 23.8 20.0 30.0



#20
Methylene Chloride
Concen: 19.047 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU027395.D
Acq: 04 Oct 2018 10:03

Tgt Ion: 84 Resp: 29651
Ion Ratio Lower Upper
84 100
49 149.3 120.5 180.7
51 45.7 35.1 52.7
86 61.6 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 19.469 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027395.D

Acq: 04 Oct 2018 10:03

Instrument :

MSVOA_U

ClientSampleId :

VU1004MBS02

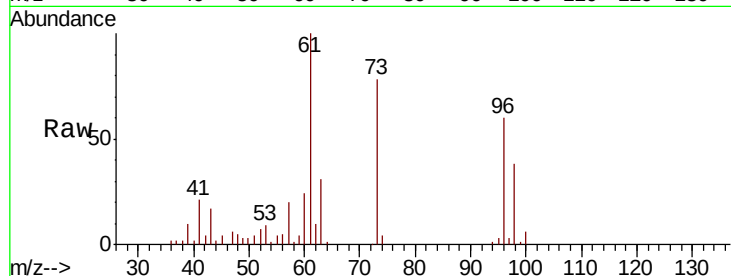
Tgt Ion: 96 Resp: 26158

Ion Ratio Lower Upper

96 100

61 168.0 129.4 194.2

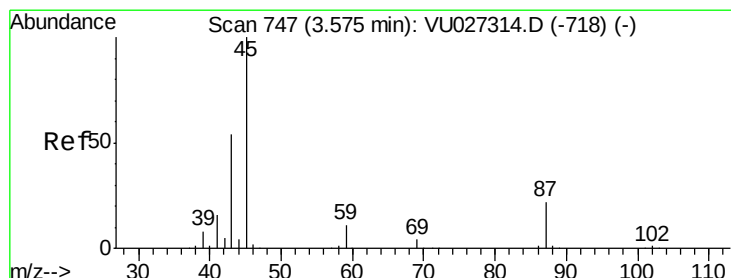
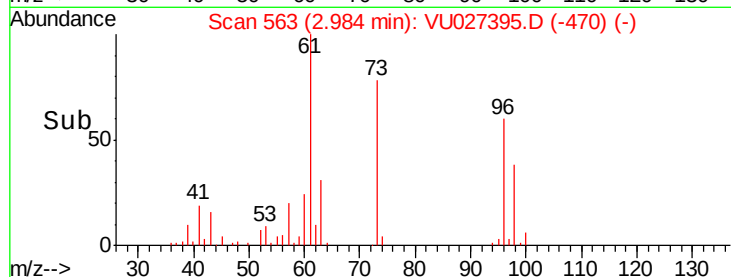
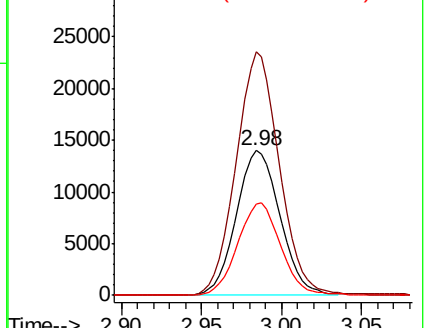
98 63.3 51.2 76.8



Abundance Ion 95.90 (95.60 to 96.60): VU027314.D (-549) (-)

Ion 60.90 (60.60 to 61.60): VU027314.D (-549) (-)

Ion 97.90 (97.60 to 98.60): VU027314.D (-549) (-)



#22

Diisopropyl ether

Concen: 19.713 ug/l

RT: 3.58 min Scan# 747

Delta R.T. 0.00 min

Lab File: VU027395.D

Acq: 04 Oct 2018 10:03

Tgt Ion: 45 Resp: 113864

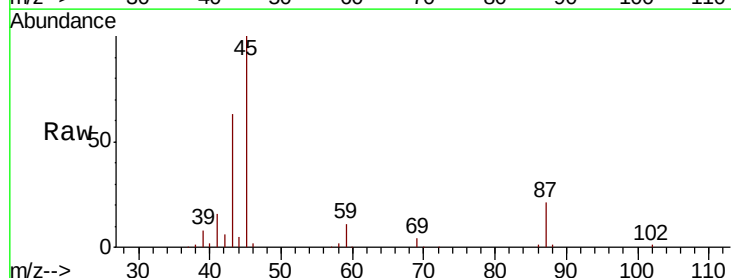
Ion Ratio Lower Upper

45 100

43 61.0 43.4 65.2

87 21.2 17.5 26.3

59 11.1 8.6 13.0

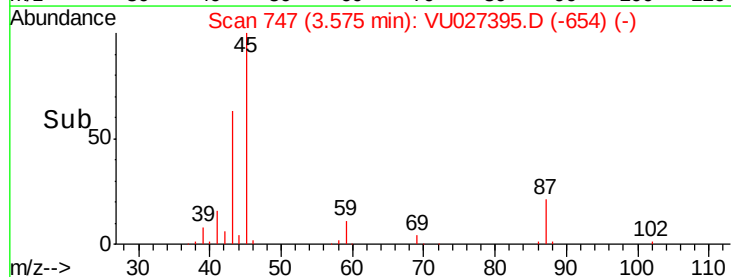
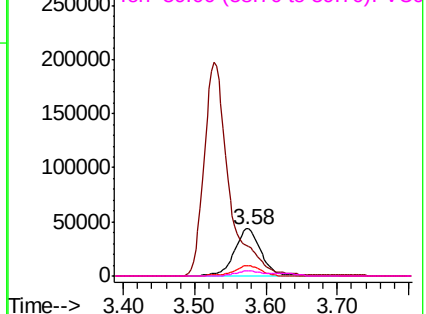


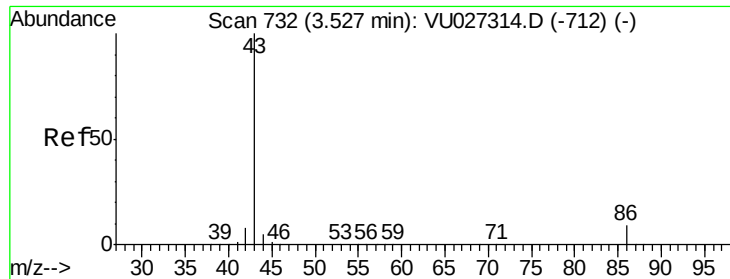
Abundance Ion 45.00 (44.70 to 45.70): VU027314.D (-718) (-)

Ion 43.00 (42.70 to 43.70): VU027314.D (-718) (-)

Ion 87.00 (86.70 to 87.70): VU027314.D (-718) (-)

Ion 59.00 (58.70 to 59.70): VU027314.D (-718) (-)





#23

Vinyl Acetate

Concen: 94.939 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU027395.D

Acq: 04 Oct 2018 10:03

Instrument :

MSVOA_U

ClientSampleId :

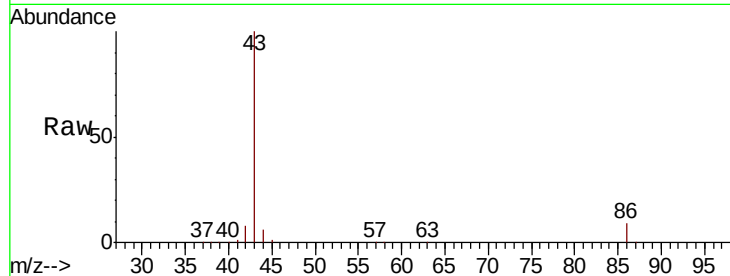
VU1004MBS02

Tgt Ion: 43 Resp: 478890

Ion Ratio Lower Upper

43 100

86 8.7 7.0 10.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.53

200000

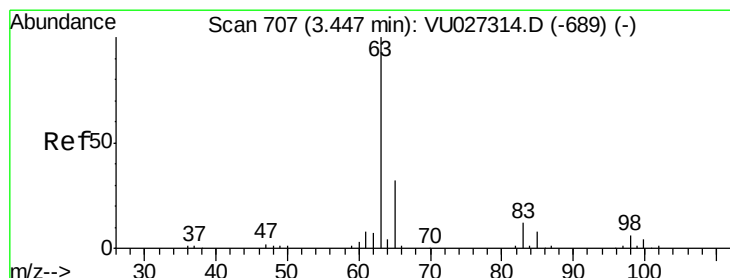
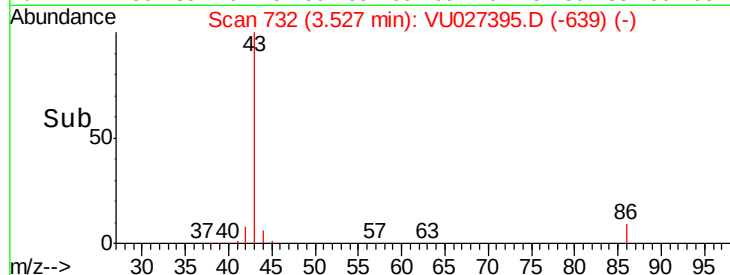
150000

100000

50000

0

Time--> 3.40 3.50 3.60 3.70



#24

1,1-Dichloroethane

Concen: 19.659 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU027395.D

Acq: 04 Oct 2018 10:03

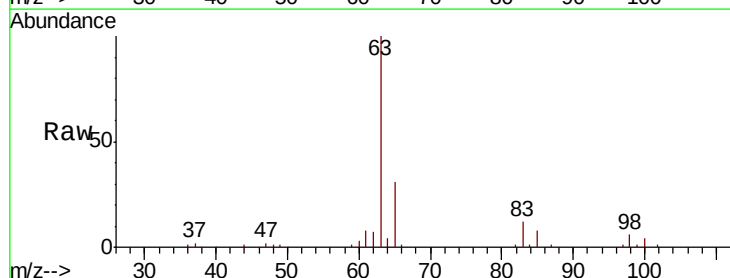
Tgt Ion: 63 Resp: 58374

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

100 3.8 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

3.45

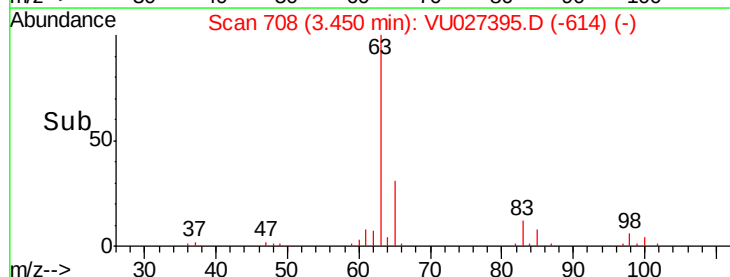
30000

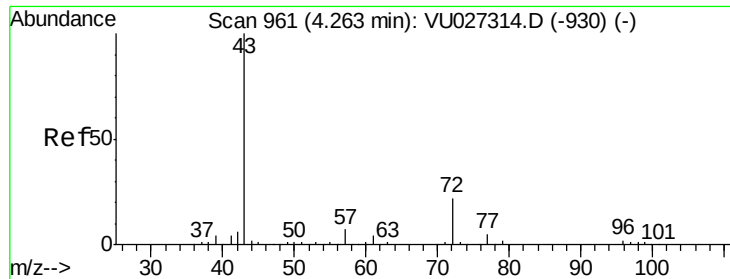
20000

10000

0

Time--> 3.40 3.50





#25

2-Butanone

Concen: 96.917 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027395.D

Acq: 04 Oct 2018 10:03

Instrument :

MSVOA_U

ClientSampleId :

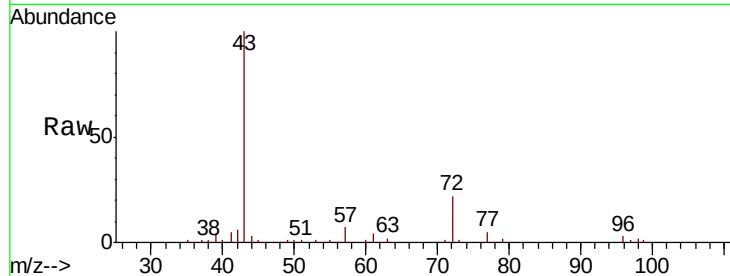
VU1004MBS02

Tgt Ion: 43 Resp: 147704

Ion Ratio Lower Upper

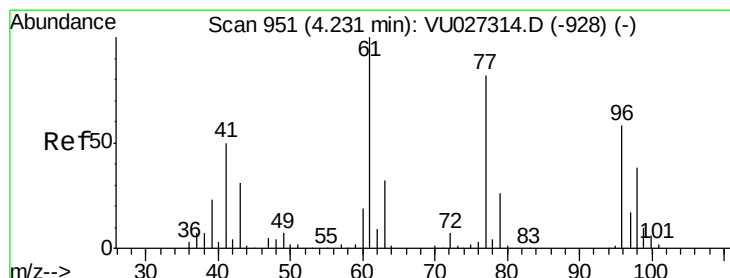
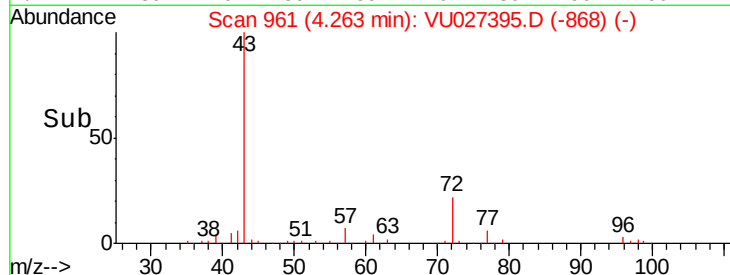
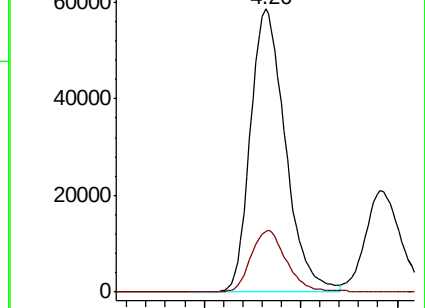
43 100

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: 19.491 ug/l

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU027395.D

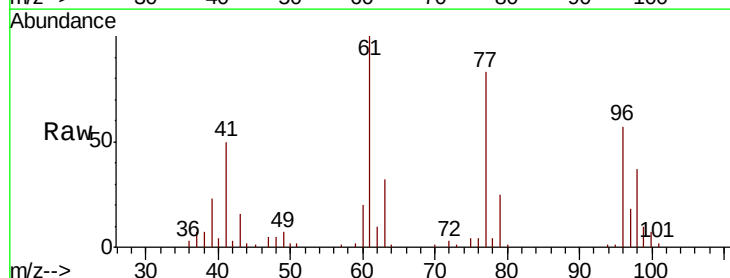
Acq: 04 Oct 2018 10:03

Tgt Ion: 77 Resp: 47556

Ion Ratio Lower Upper

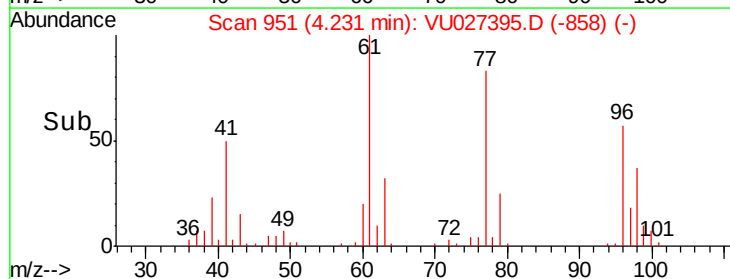
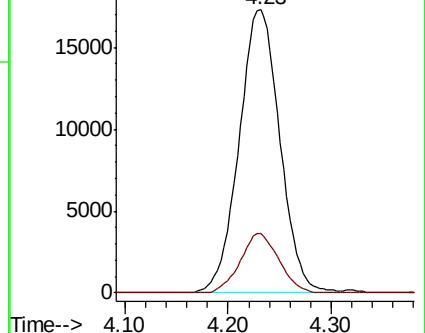
77 100

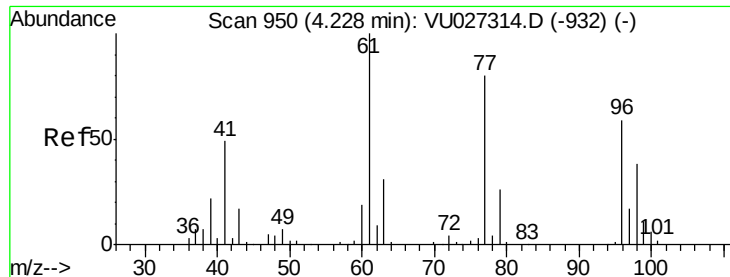
97 19.8 10.4 31.1



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: 19.092 ug/l

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU027395.D

Acq: 04 Oct 2018 10:03

Instrument :

MSVOA_U

ClientSampleId :

VU1004MBS02

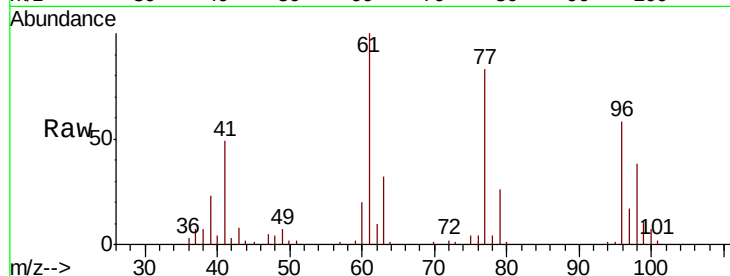
Tgt Ion: 96 Resp: 29334

Ion Ratio Lower Upper

96 100

61 175.7 0.0 343.8

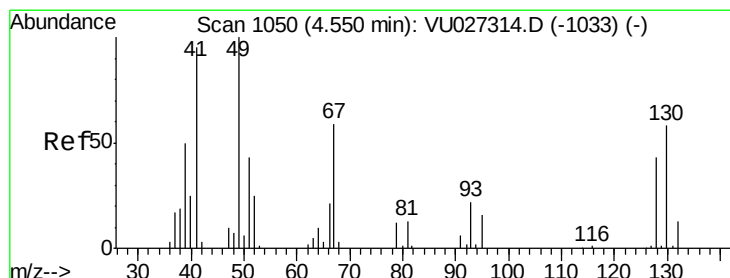
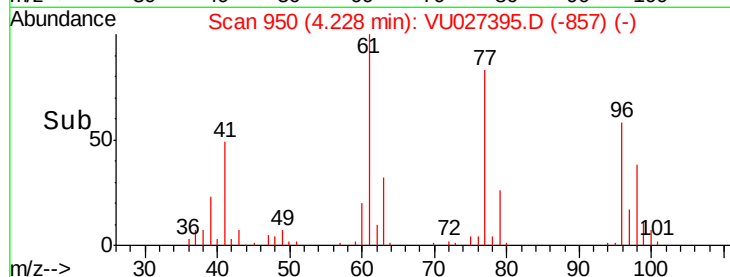
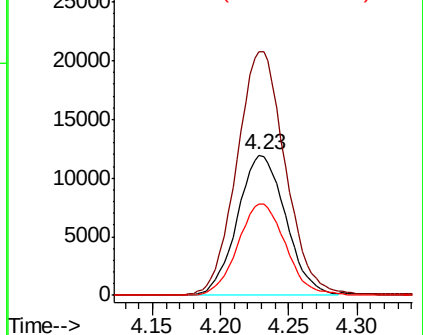
98 64.5 0.0 129.0



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane

Concen: 20.322 ug/l

RT: 4.55 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU027395.D

Acq: 04 Oct 2018 10:03

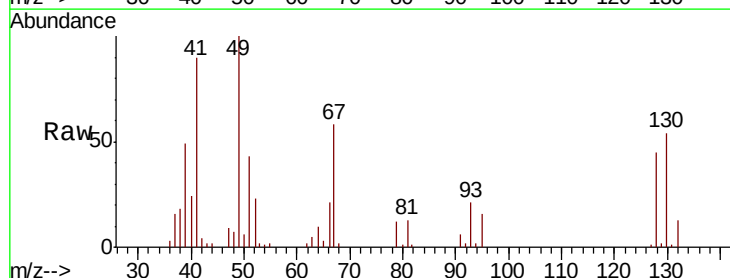
Tgt Ion: 49 Resp: 29112

Ion Ratio Lower Upper

49 100

129 1.3 0.0 3.0

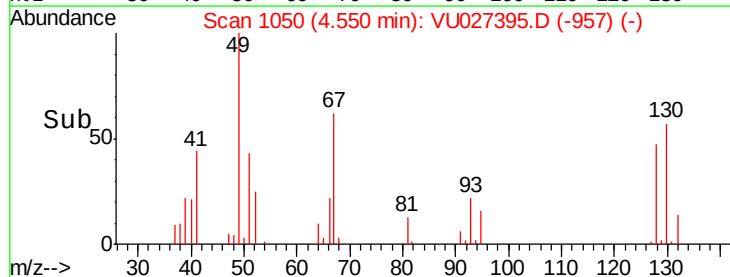
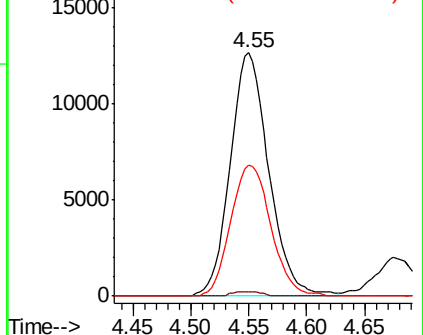
130 56.1 46.1 69.1

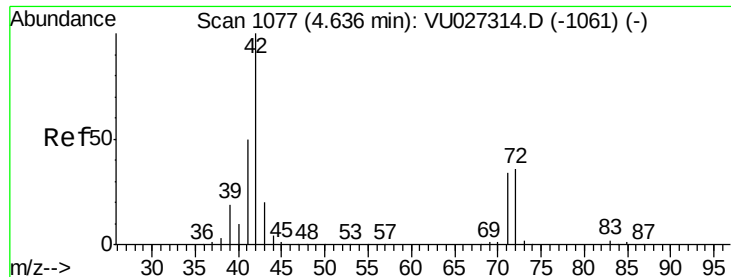


Abundance Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 98.301 ug/l

RT: 4.64 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VU027395.D

Acq: 04 Oct 2018 10:03

Instrument :

MSVOA_U

ClientSampleId :

VU1004MBS02

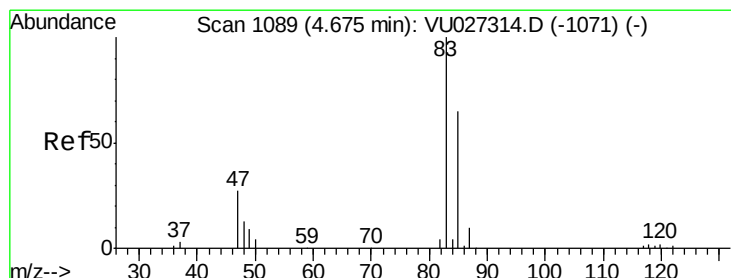
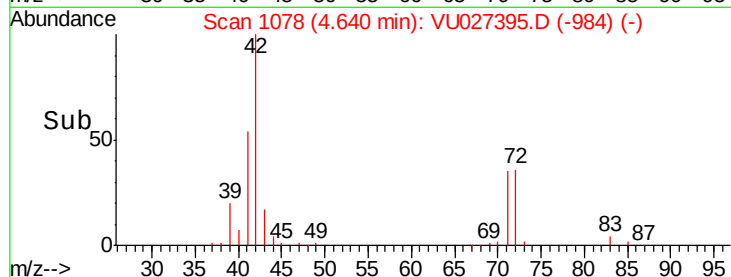
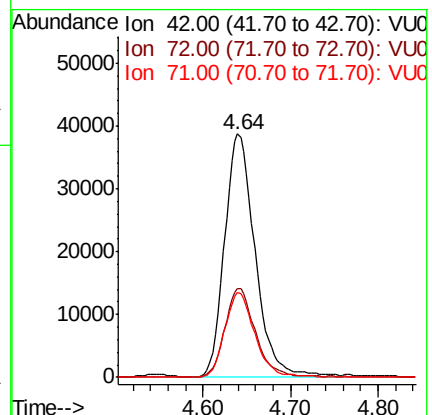
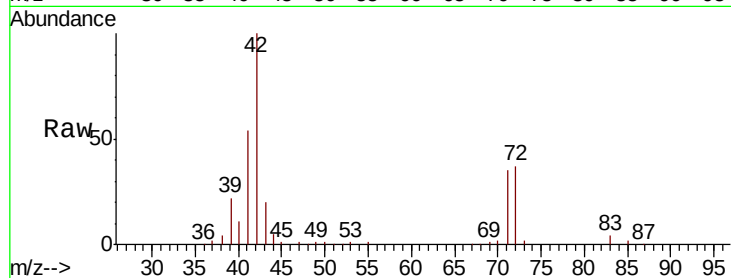
Tgt Ion: 42 Resp: 94414

Ion Ratio Lower Upper

42 100

72 36.6 30.1 45.1

71 34.0 27.7 41.5



#30

Chloroform

Concen: 20.110 ug/l

RT: 4.68 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VU027395.D

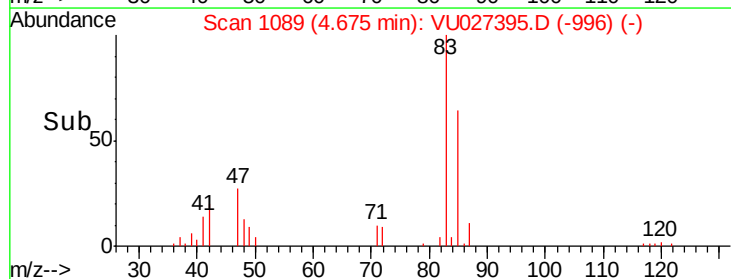
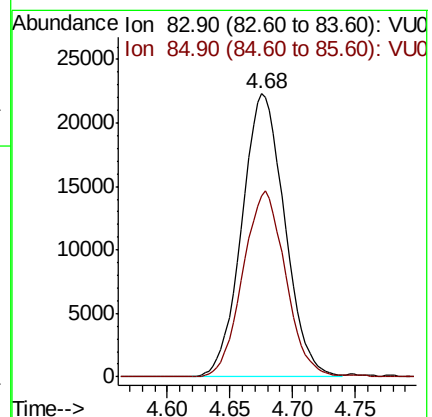
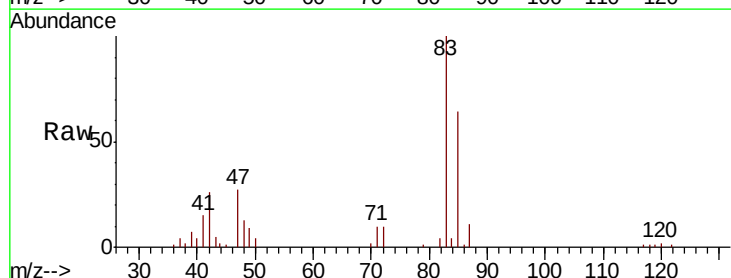
Acq: 04 Oct 2018 10:03

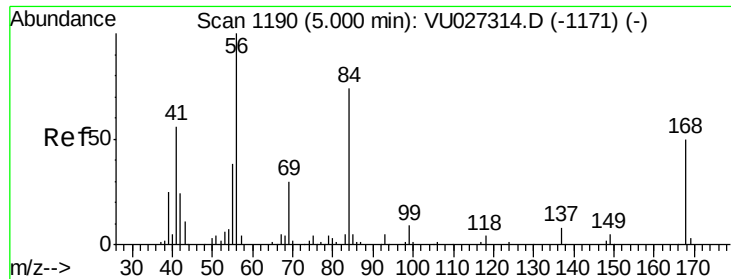
Tgt Ion: 83 Resp: 53053

Ion Ratio Lower Upper

83 100

85 64.1 51.8 77.6

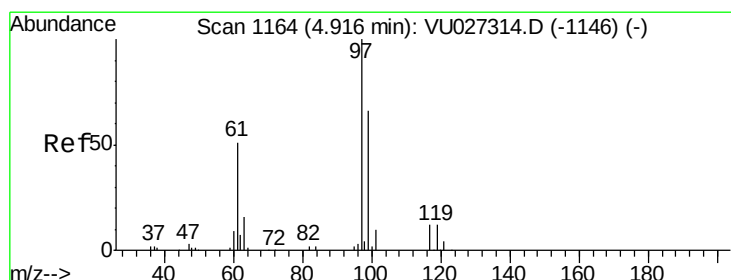
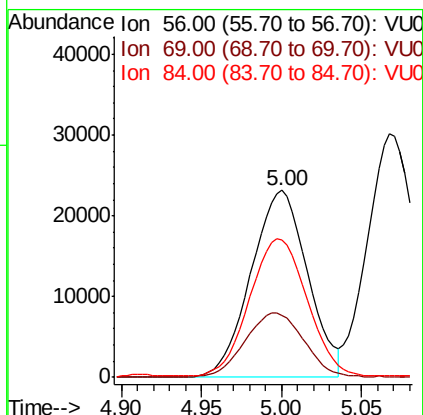
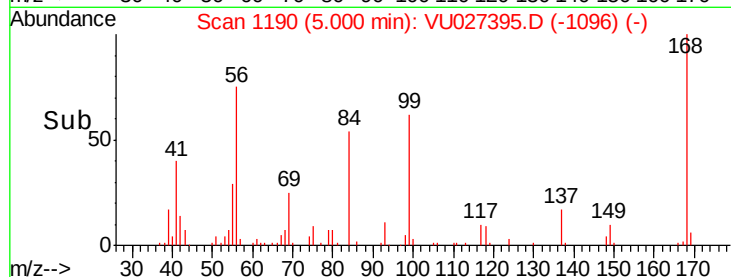
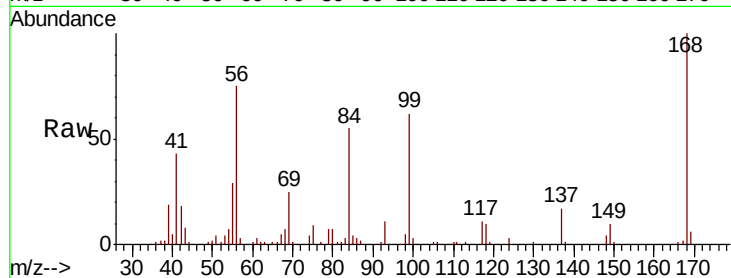




#31
Cyclohexane
Concen: 18.466 ug/l
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU027395.D
Acq: 04 Oct 2018 10:03

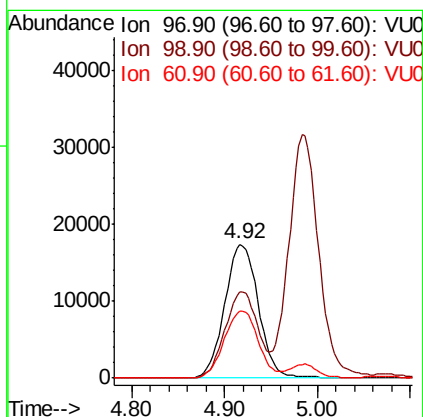
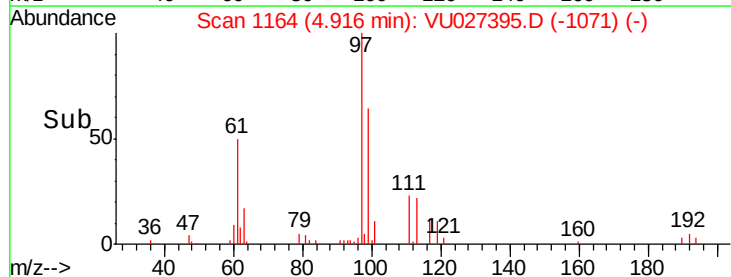
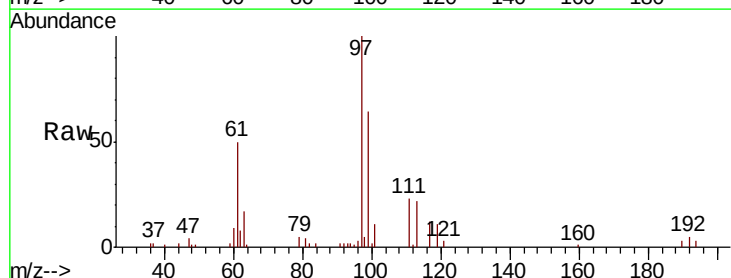
Instrument :
MSVOA_U
ClientSampleId :
VU1004MBS02

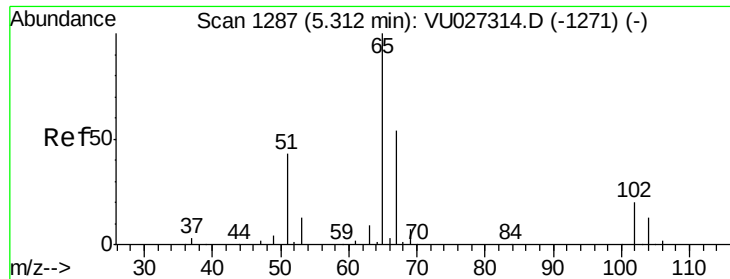
Tgt Ion: 56 Resp: 56483
Ion Ratio Lower Upper
56 100
69 33.3 24.1 36.1
84 72.7 59.1 88.7



#32
1,1,1-Trichloroethane
Concen: 19.768 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU027395.D
Acq: 04 Oct 2018 10:03

Tgt Ion: 97 Resp: 43922
Ion Ratio Lower Upper
97 100
99 63.1 51.1 76.7
61 50.8 39.6 59.4

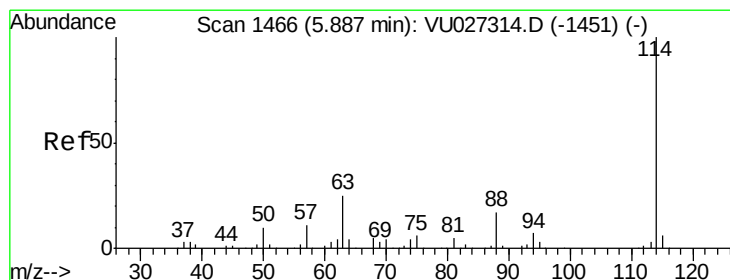
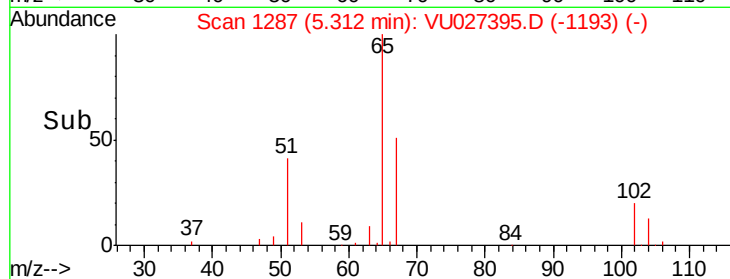
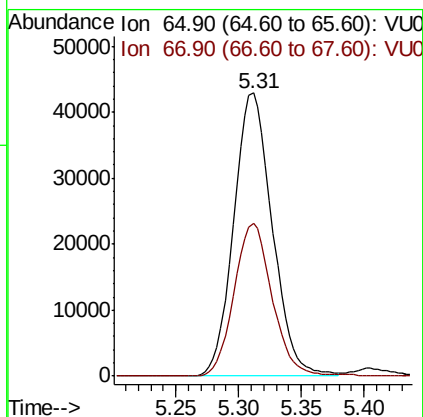
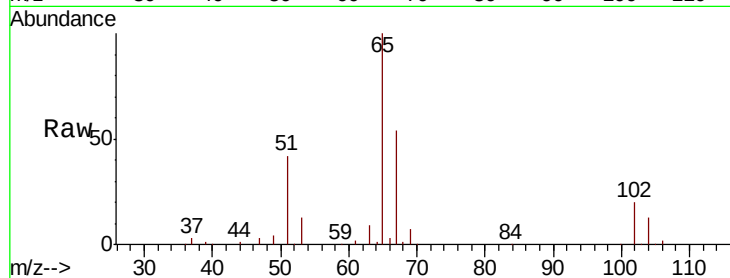




#33
 1,2-Dichloroethane-d4
 Concen: 48.395 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027395.D
 Acq: 04 Oct 2018 10:03

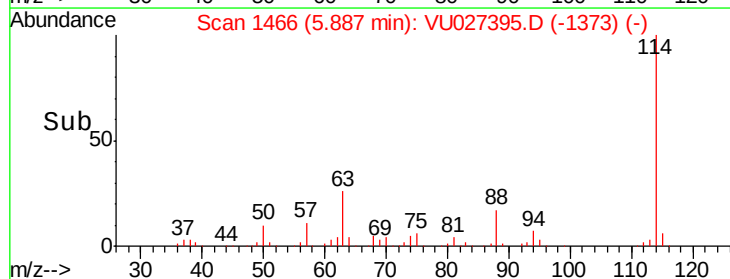
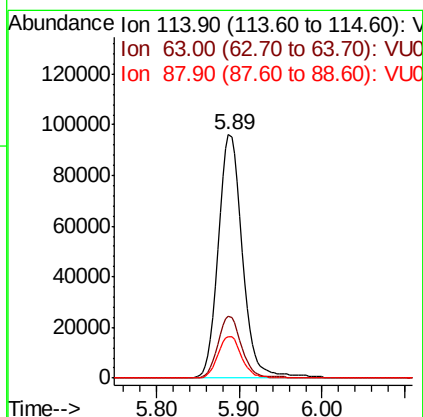
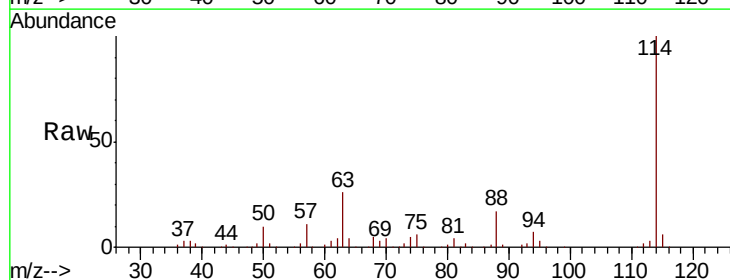
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004MBS02

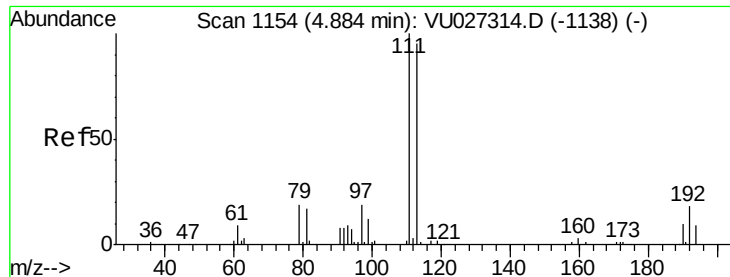
Tgt Ion: 65 Resp: 91554
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU027395.D
 Acq: 04 Oct 2018 10:03

Tgt Ion: 114 Resp: 193709
 Ion Ratio Lower Upper
 114 100
 63 25.6 0.0 50.2
 88 17.2 0.0 33.8

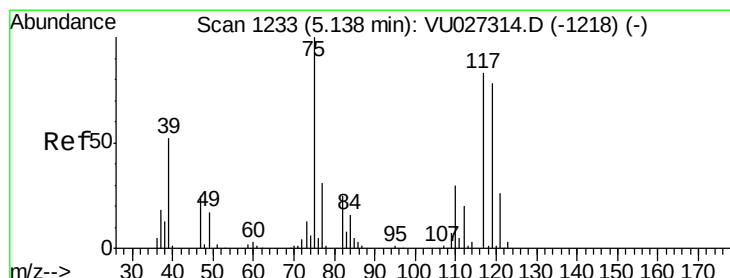
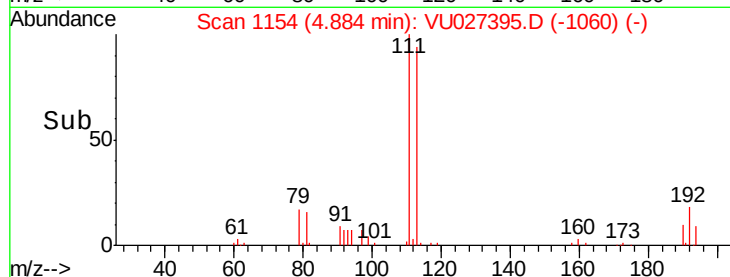
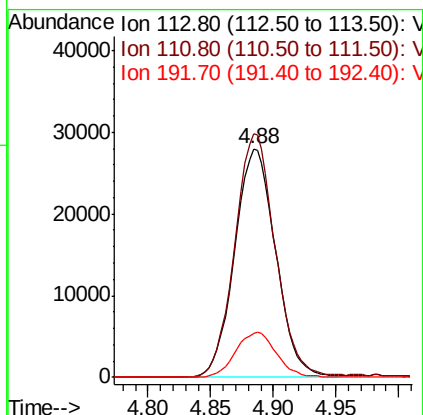
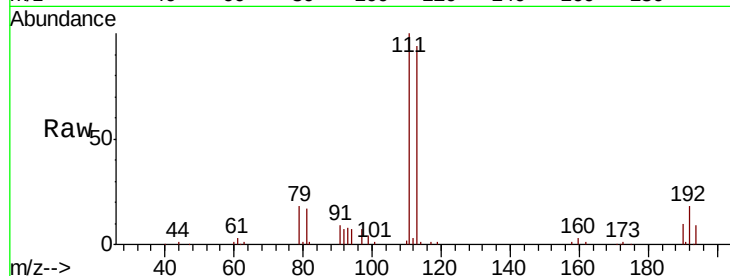




#35
 Dibromofluoromethane
 Concen: 48.028 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027395.D
 Acq: 04 Oct 2018 10:03

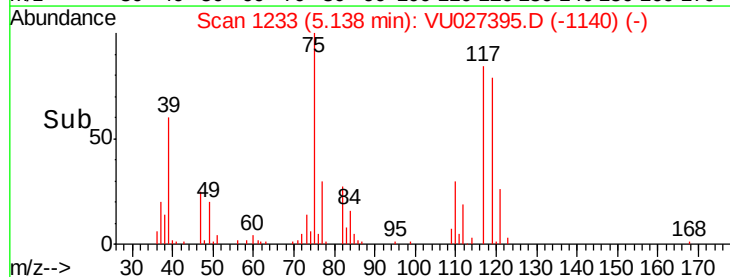
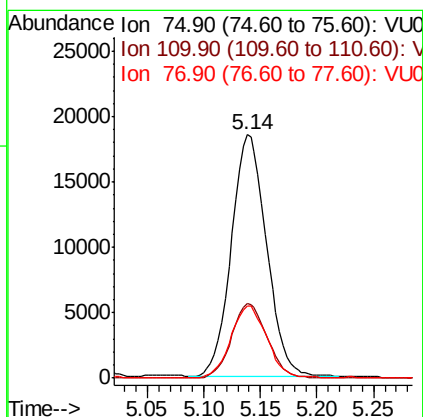
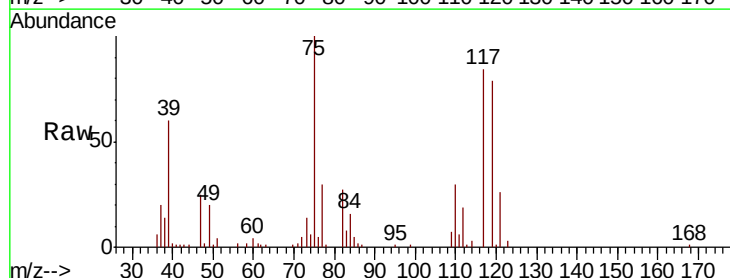
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004MBS02

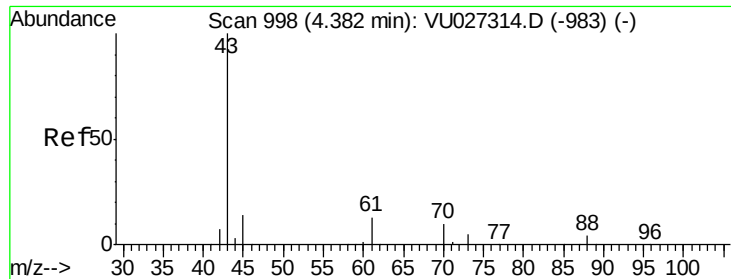
Tgt Ion:113 Resp: 63760
 Ion Ratio Lower Upper
 113 100
 111 104.9 83.1 124.7
 192 19.5 15.4 23.0



#36
 1,1-Dichloropropene
 Concen: 19.101 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027395.D
 Acq: 04 Oct 2018 10:03

Tgt Ion: 75 Resp: 40173
 Ion Ratio Lower Upper
 75 100
 110 30.9 15.5 46.5
 77 30.6 25.4 38.0





#37

Ethyl Acetate

Concen: 19.128 ug/l

RT: 4.38 min Scan# 998

Delta R.T. 0.00 min

Lab File: VU027395.D

Acq: 04 Oct 2018 10:03

Instrument :

MSVOA_U

ClientSampleId :

VU1004MBS02

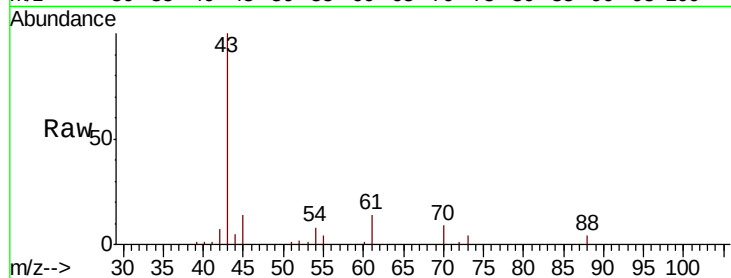
Tgt Ion: 43 Resp: 51994

Ion Ratio Lower Upper

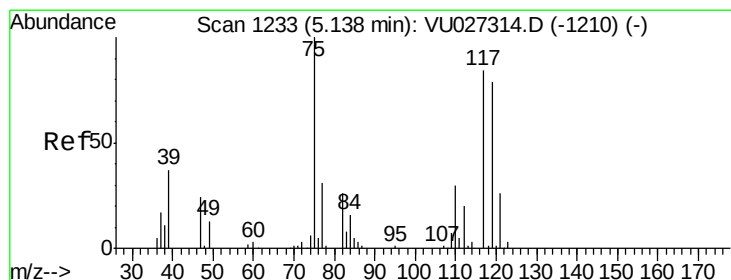
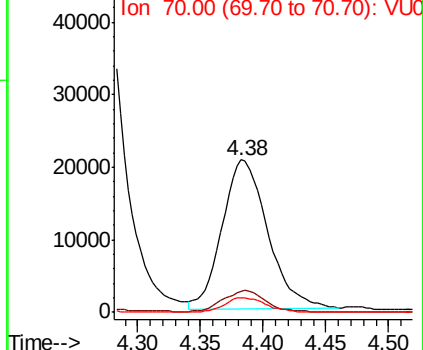
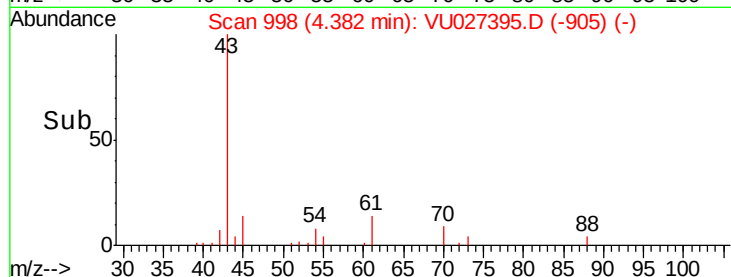
43 100

61 14.1 10.7 16.1

70 8.9 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VU027395.D (-905) (-)



#38

Carbon Tetrachloride

Concen: 19.274 ug/l

RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU027395.D

Acq: 04 Oct 2018 10:03

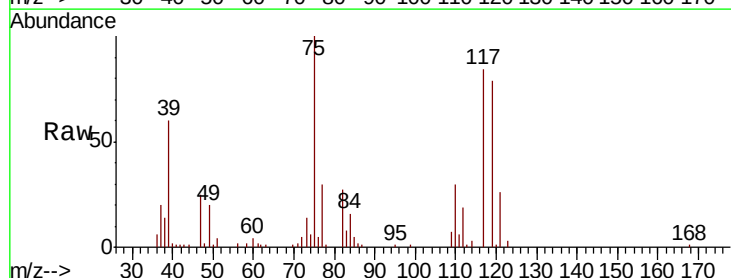
Tgt Ion: 117 Resp: 36619

Ion Ratio Lower Upper

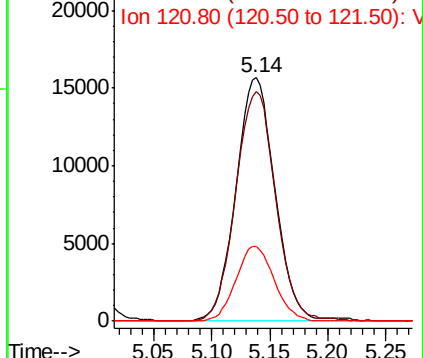
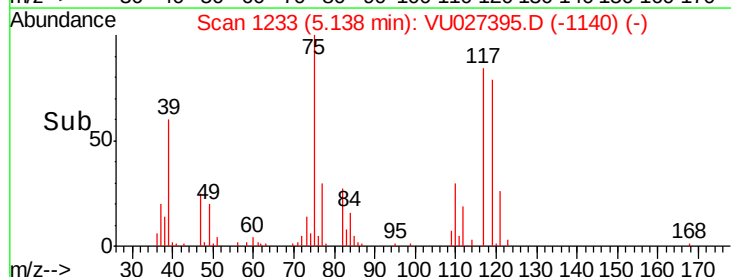
117 100

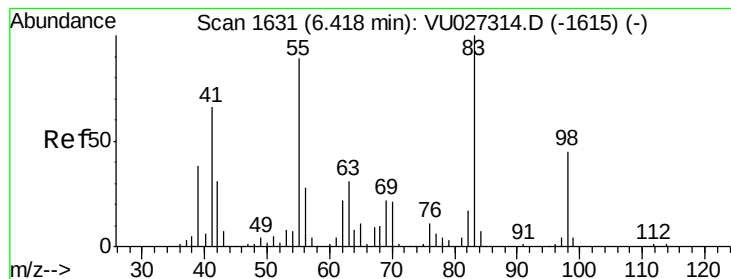
119 94.2 74.5 111.7

121 30.4 24.6 37.0



Abundance Ion 116.80 (116.50 to 117.50): VU027395.D (-1140) (-)





#39

Methylcyclohexane

Concen: 18.559 ug/l

RT: 6.42 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU027395.D

Acq: 04 Oct 2018 10:03

Instrument :

MSVOA_U

ClientSampleId :

VU1004MBS02

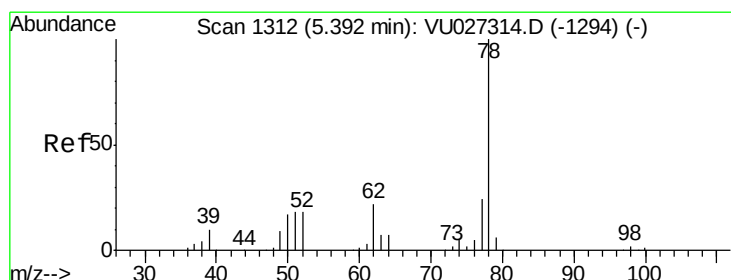
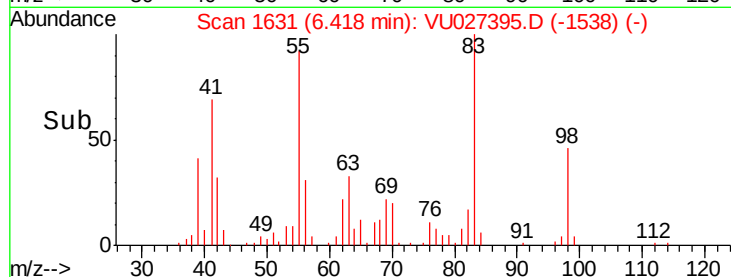
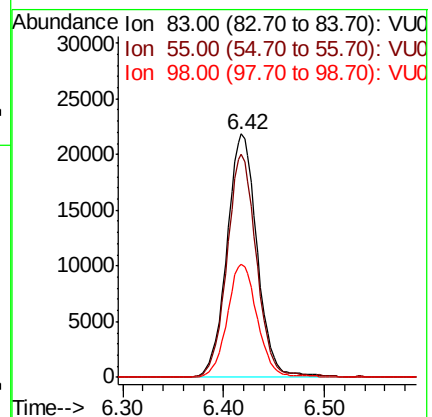
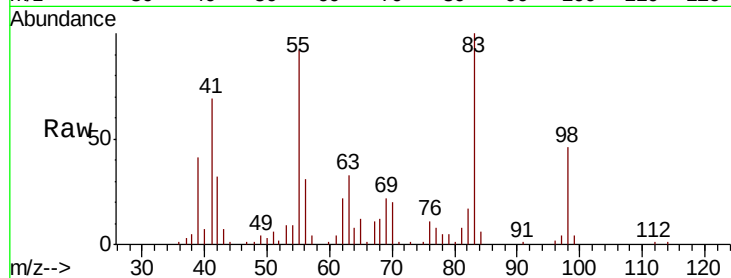
Tgt Ion: 83 Resp: 45628

Ion Ratio Lower Upper

83 100

55 91.8 71.1 106.7

98 46.2 36.3 54.5



#40

Benzene

Concen: 19.618 ug/l

RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU027395.D

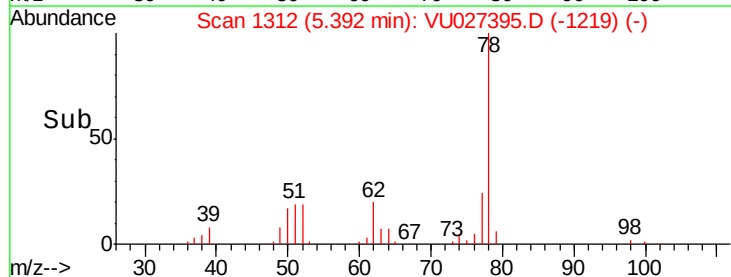
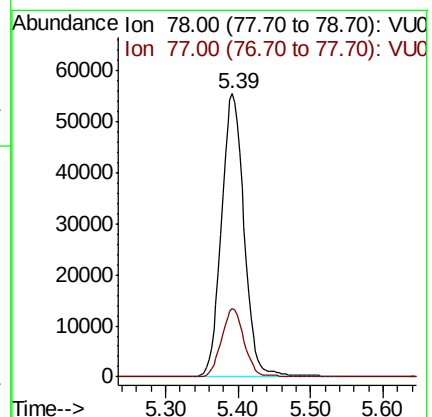
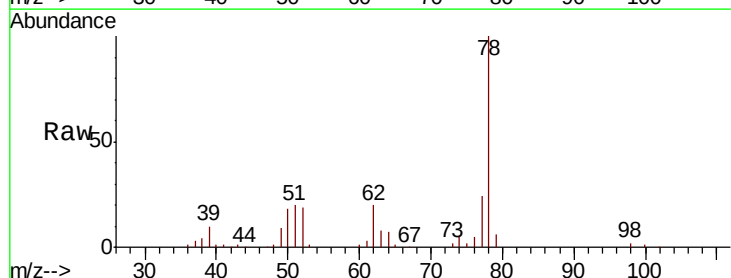
Acq: 04 Oct 2018 10:03

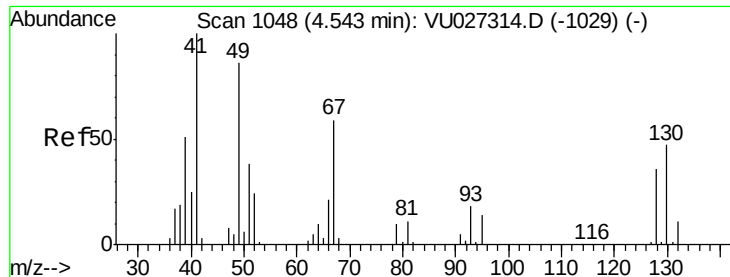
Tgt Ion: 78 Resp: 120187

Ion Ratio Lower Upper

78 100

77 24.3 19.3 28.9

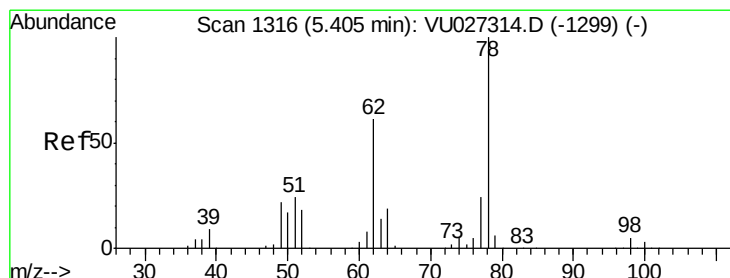
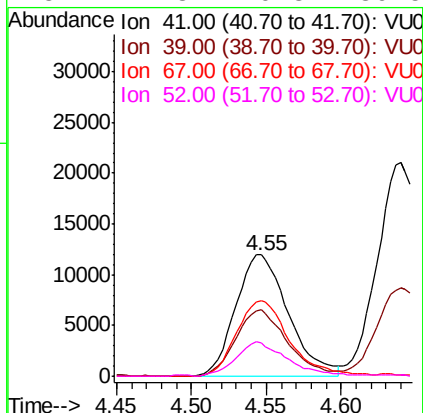
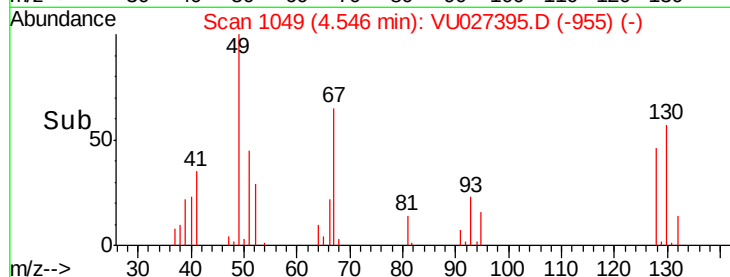
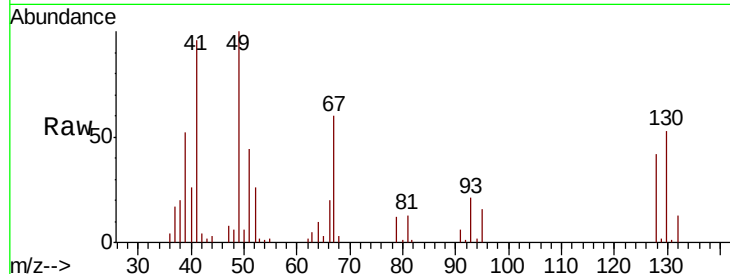




#41
Methacrylonitrile
Concen: 19.040 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU027395.D
Acq: 04 Oct 2018 10:03

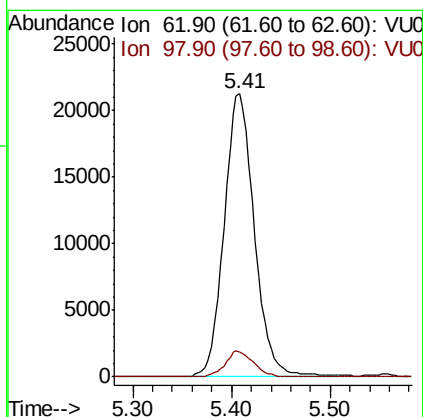
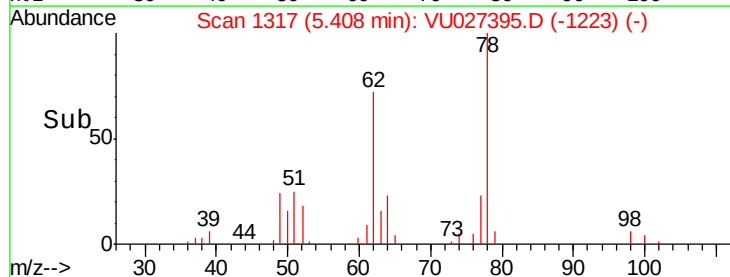
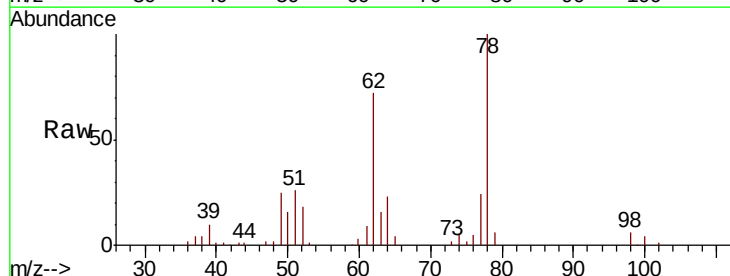
Instrument :
MSVOA_U
ClientSampleId :
VU1004MBS02

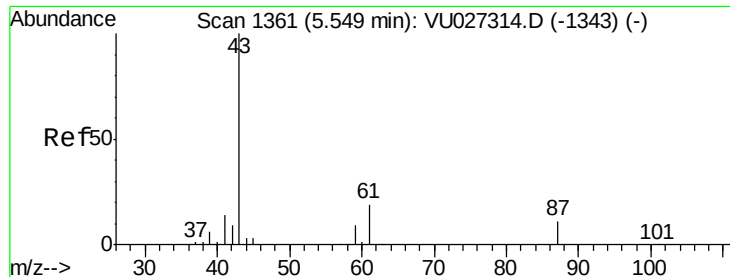
Tgt Ion:	41	Resp:	29253
Ion	Ratio	Lower	Upper
41	100		
39	53.6	41.1	61.7
67	62.6	50.4	75.6
52	27.8	20.3	30.5



#42
1,2-Dichloroethane
Concen: 20.066 ug/l
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU027395.D
Acq: 04 Oct 2018 10:03

Tgt Ion:	62	Resp:	45633
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	16.8





#43

Isopropyl Acetate

Concen: 19.481 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. 0.00 min

Lab File: VU027395.D

Acq: 04 Oct 2018 10:03

Instrument :

MSVOA_U

ClientSampleId :

VU1004MBS02

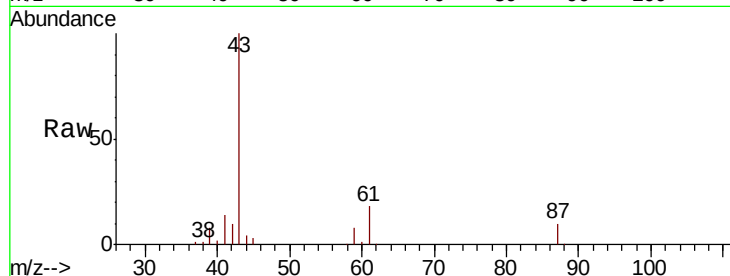
Tgt Ion: 43 Resp: 82241

Ion Ratio Lower Upper

43 100

61 17.9 15.3 22.9

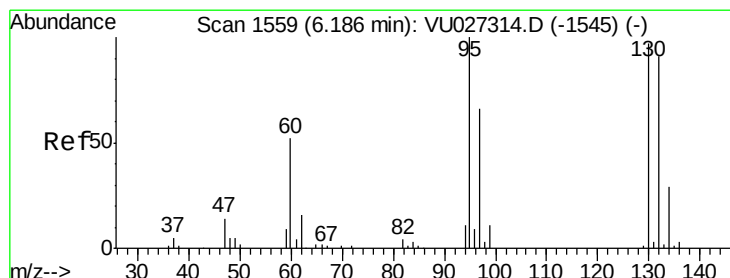
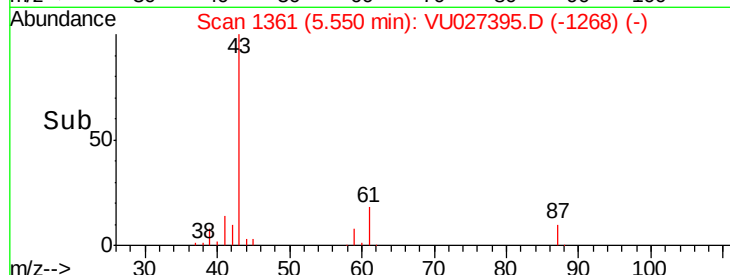
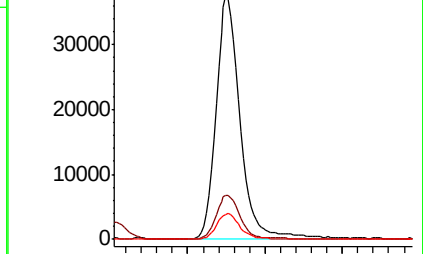
87 10.1 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VU027314.D (-1343) (-)

Ion 61.00 (60.70 to 61.70): VU027314.D (-1343) (-)

Ion 87.00 (86.70 to 87.70): VU027314.D (-1343) (-)



#44

Trichloroethene

Concen: 19.084 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027395.D

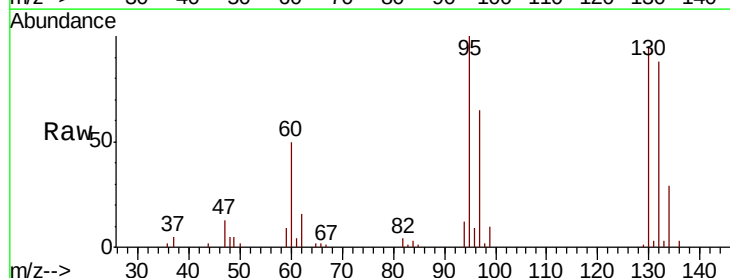
Acq: 04 Oct 2018 10:03

Tgt Ion: 130 Resp: 26070

Ion Ratio Lower Upper

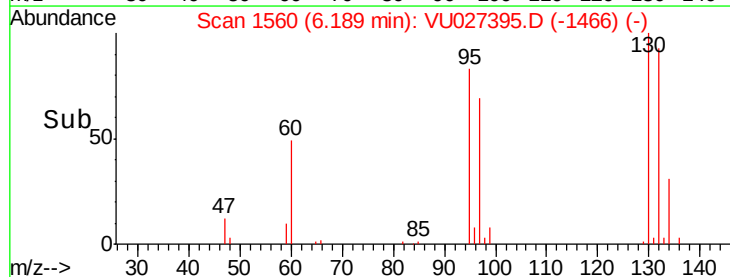
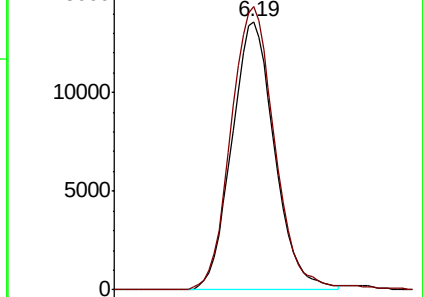
130 100

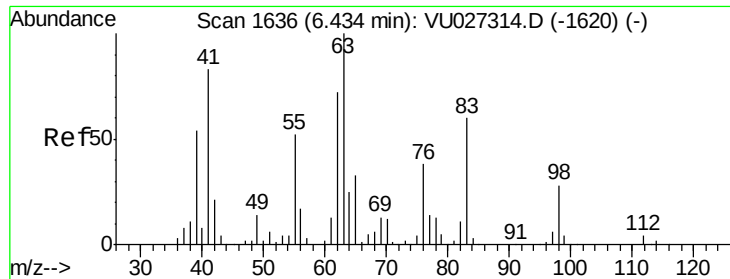
95 105.6 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): VU027314.D (-1545) (-)

Ion 94.90 (94.60 to 95.60): VU027314.D (-1545) (-)





#45

1,2-Dichloropropane

Concen: 19.576 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU027395.D

Acq: 04 Oct 2018 10:03

Instrument :

MSVOA_U

ClientSampleId :

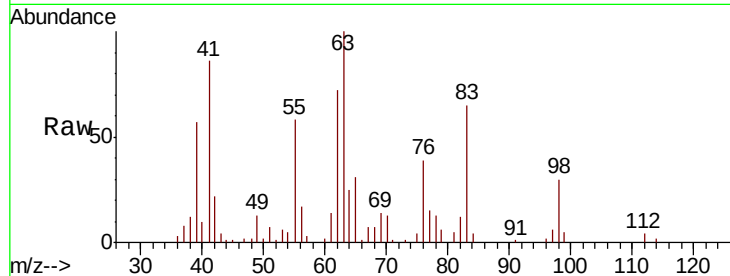
VU1004MBS02

Tgt Ion: 63 Resp: 34593

Ion Ratio Lower Upper

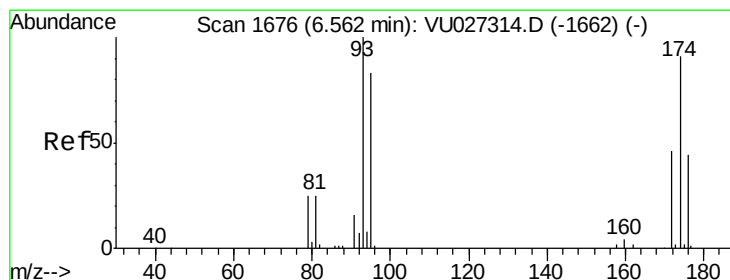
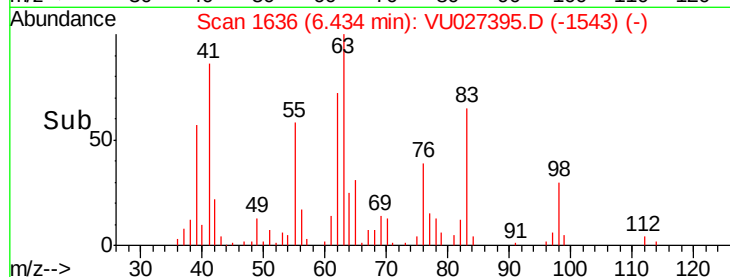
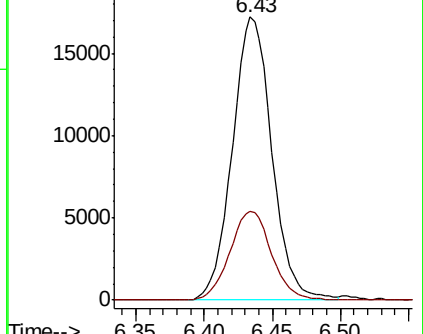
63 100

65 31.3 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: 20.606 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. 0.00 min

Lab File: VU027395.D

Acq: 04 Oct 2018 10:03

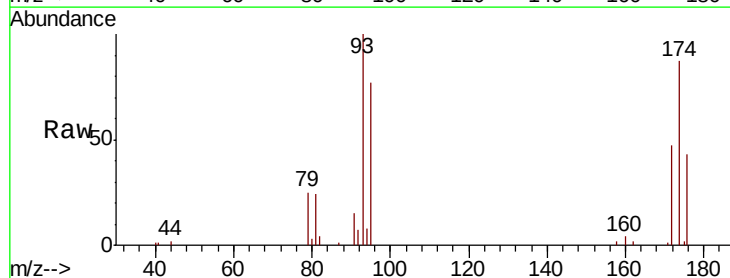
Tgt Ion: 93 Resp: 20565

Ion Ratio Lower Upper

93 100

95 78.4 66.5 99.7

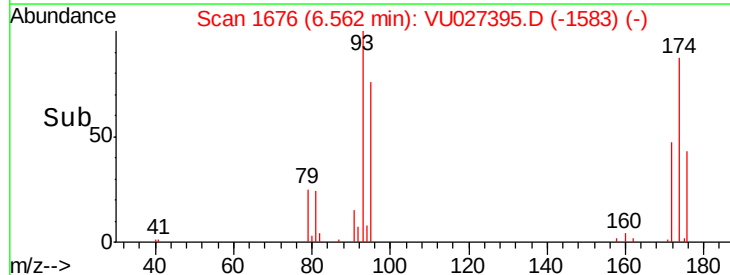
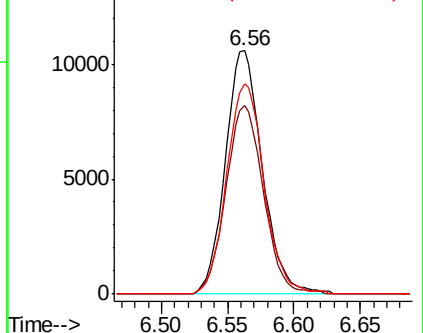
174 87.5 72.5 108.7

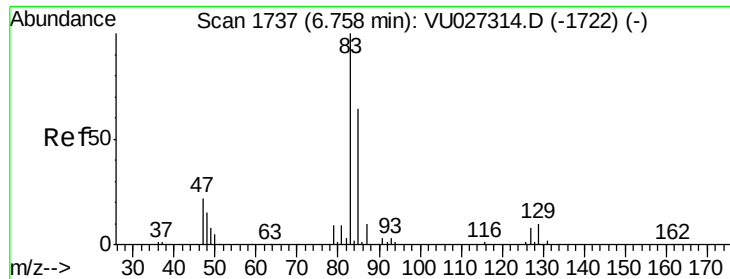


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.736 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VU027395.D

Acq: 04 Oct 2018 10:03

Instrument :

MSVOA_U

ClientSampleId :

VU1004MBS02

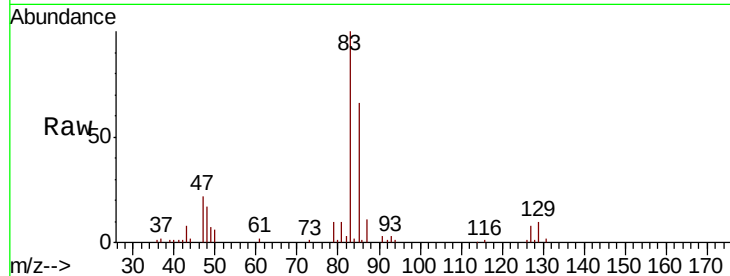
Tgt Ion: 83 Resp: 40872

Ion Ratio Lower Upper

83 100

85 66.1 51.4 77.0

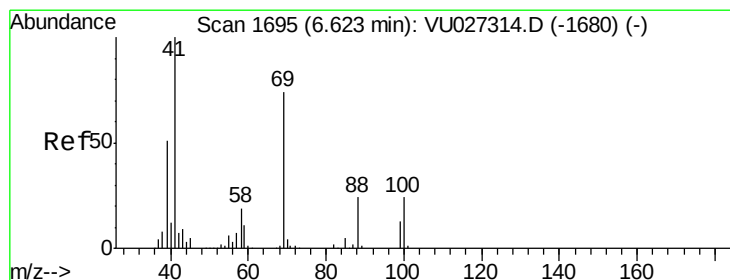
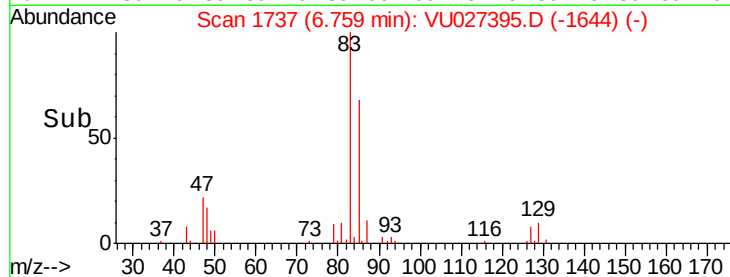
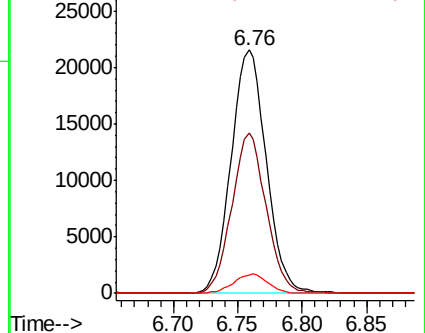
127 7.7 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VU027314.D (-1722) (-)

Ion 84.90 (84.60 to 85.60): VU027314.D (-1722) (-)

Ion 126.80 (126.50 to 127.50): VU027314.D (-1722) (-)



#48

Methyl methacrylate

Concen: 19.155 ug/l

RT: 6.62 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU027395.D

Acq: 04 Oct 2018 10:03

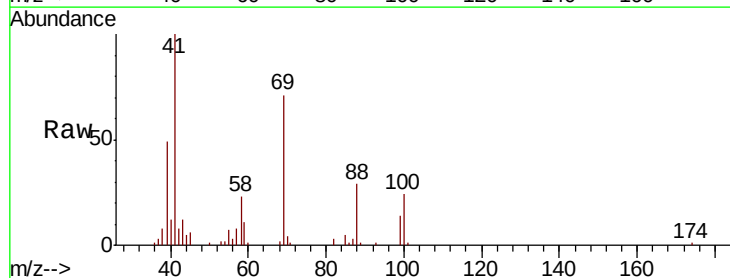
Tgt Ion: 41 Resp: 40213

Ion Ratio Lower Upper

41 100

69 73.6 61.0 91.4

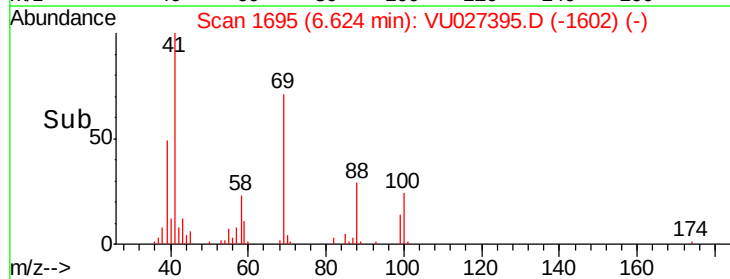
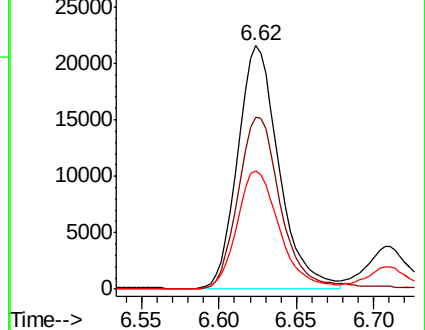
39 50.0 39.9 59.9

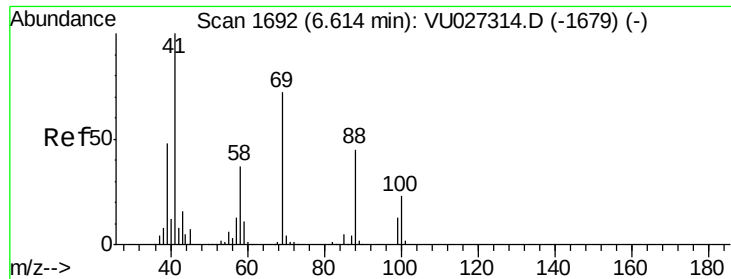


Abundance Ion 41.00 (40.70 to 41.70): VU027314.D (-1680) (-)

Ion 69.00 (68.70 to 69.70): VU027314.D (-1680) (-)

Ion 39.00 (38.70 to 39.70): VU027314.D (-1680) (-)

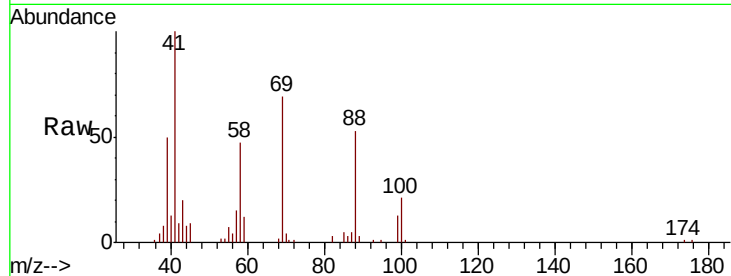




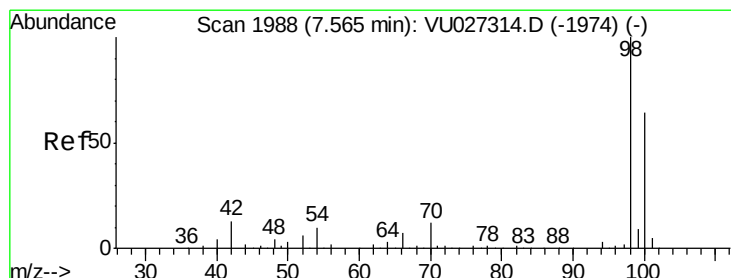
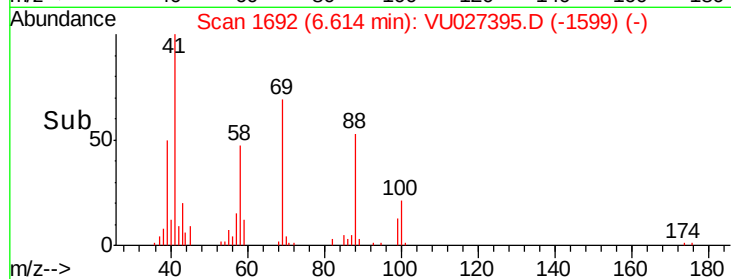
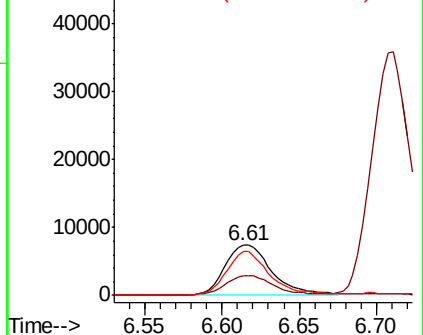
#49
1,4-Dioxane
Concen: 433.810 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU027395.D
Acq: 04 Oct 2018 10:03

Instrument :
MSVOA_U
ClientSampleId :
VU1004MBS02

Tgt Ion: 88 Resp: 15670
Ion Ratio Lower Upper
88 100
43 40.9 30.8 46.2
58 80.8 67.0 100.6

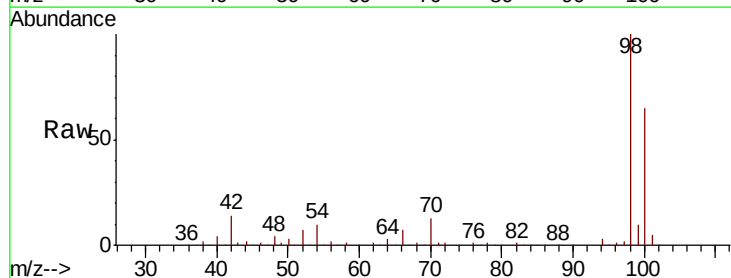


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

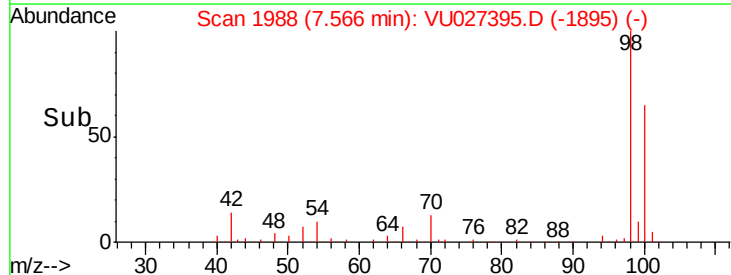
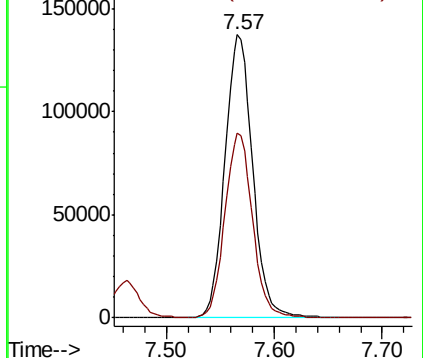


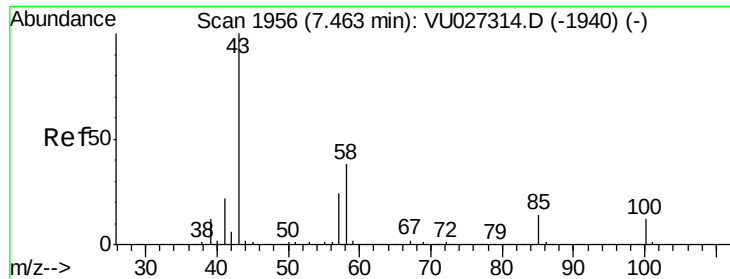
#50
Toluene-d8
Concen: 49.492 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027395.D
Acq: 04 Oct 2018 10:03

Tgt Ion: 98 Resp: 245905
Ion Ratio Lower Upper
98 100
100 64.8 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: 98.012 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU027395.D

Acq: 04 Oct 2018 10:03

Instrument :

MSVOA_U

ClientSampleId :

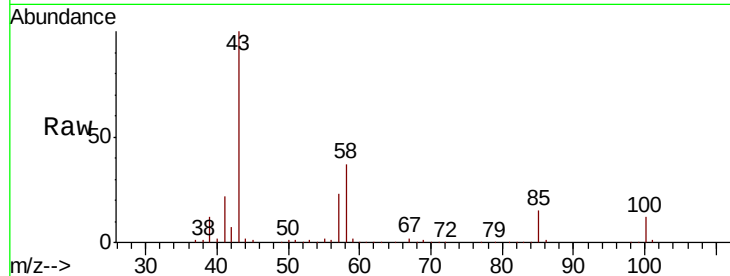
VU1004MBS02

Tgt Ion: 43 Resp: 268878

Ion Ratio Lower Upper

43 100

58 36.4 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

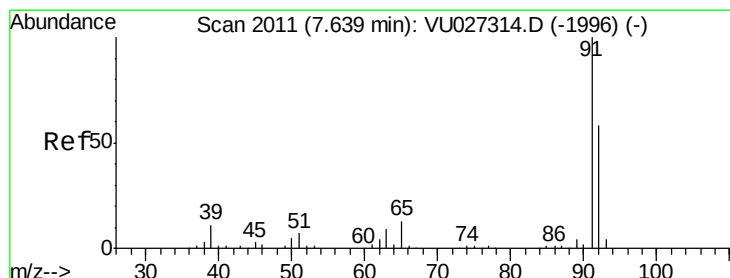
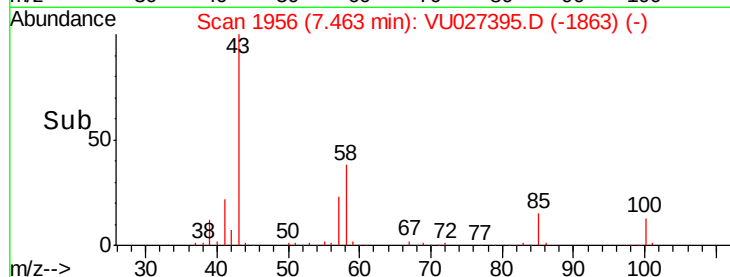
100000

50000

0

7.40 7.50

Time-->



#52

Toluene

Concen: 19.589 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027395.D

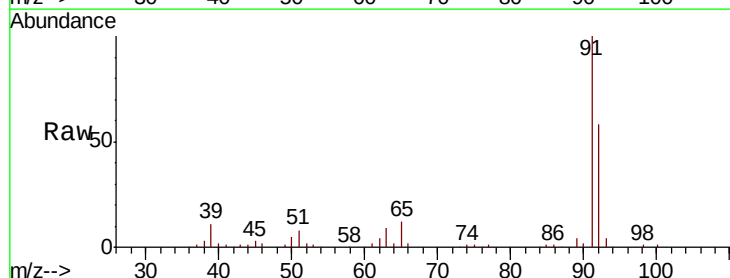
Acq: 04 Oct 2018 10:03

Tgt Ion: 92 Resp: 71034

Ion Ratio Lower Upper

92 100

91 169.9 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

80000

60000

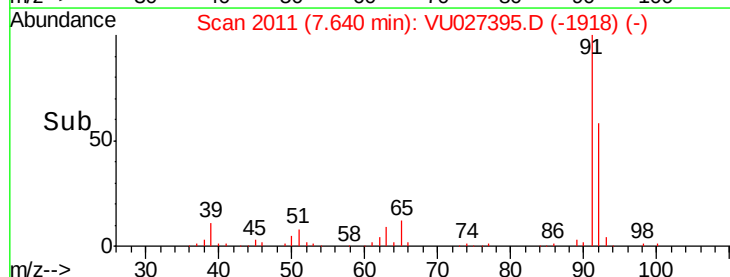
40000

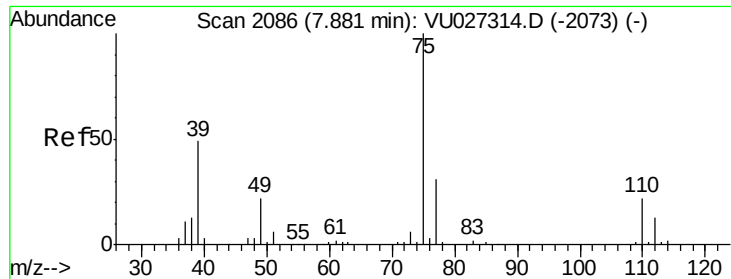
20000

0

7.60 7.70

Time-->

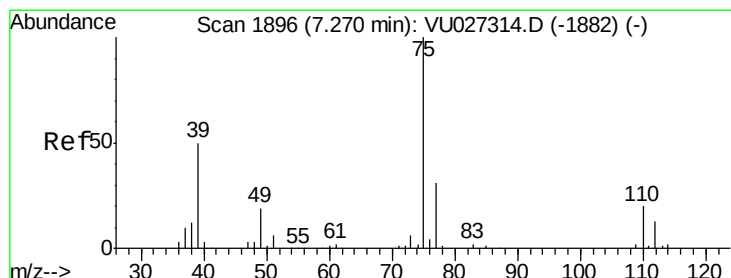
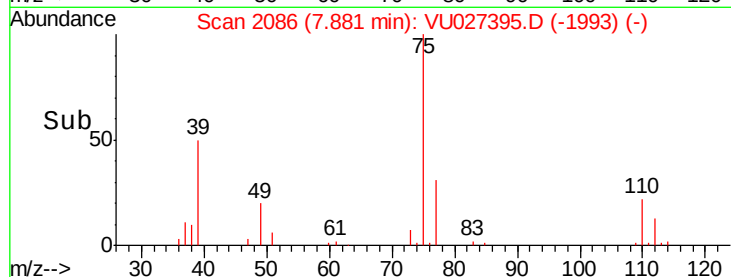
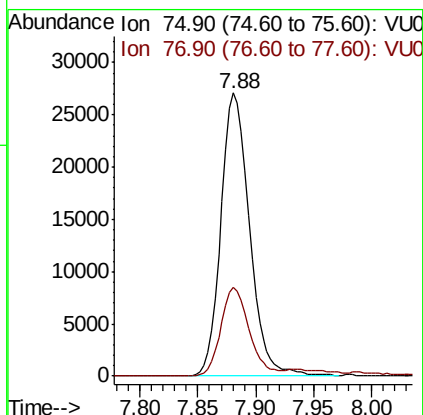
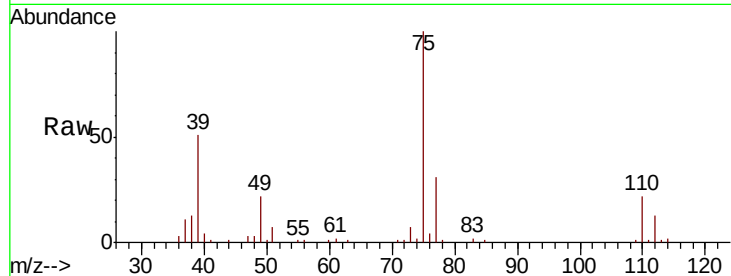




#53
t-1,3-Dichloropropene
Concen: 19.138 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027395.D
Acq: 04 Oct 2018 10:03

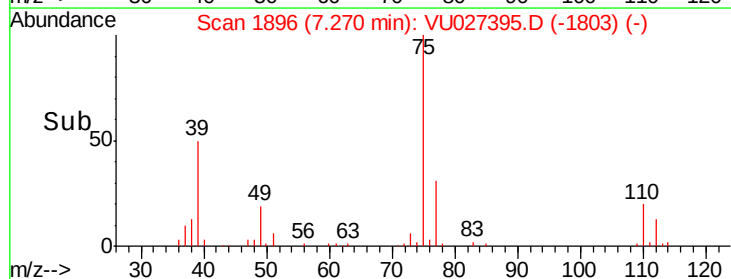
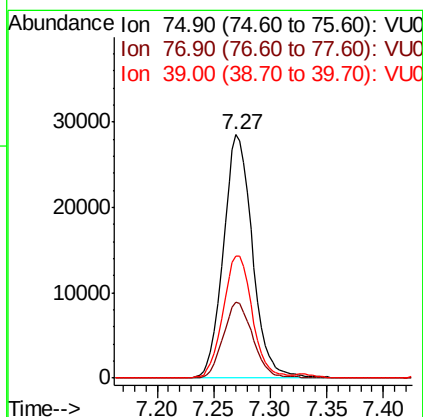
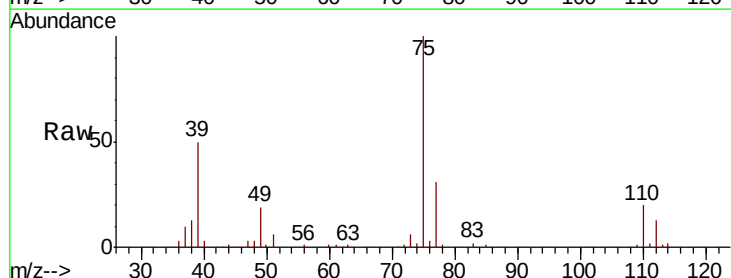
Instrument :
MSVOA_U
ClientSampleId :
VU1004MBS02

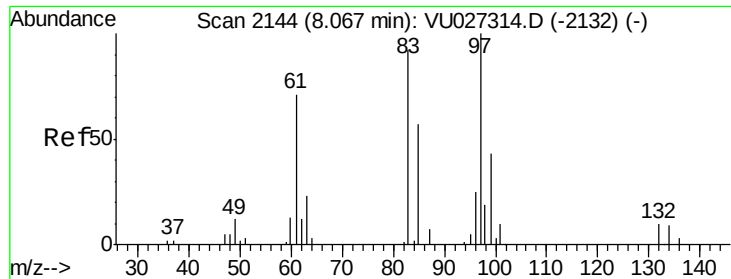
Tgt Ion: 75 Resp: 46469
Ion Ratio Lower Upper
75 100
77 31.5 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 19.540 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU027395.D
Acq: 04 Oct 2018 10:03

Tgt Ion: 75 Resp: 51004
Ion Ratio Lower Upper
75 100
77 31.3 24.5 36.7
39 50.2 40.1 60.1

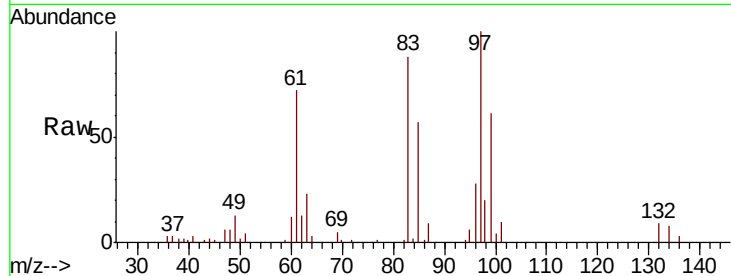




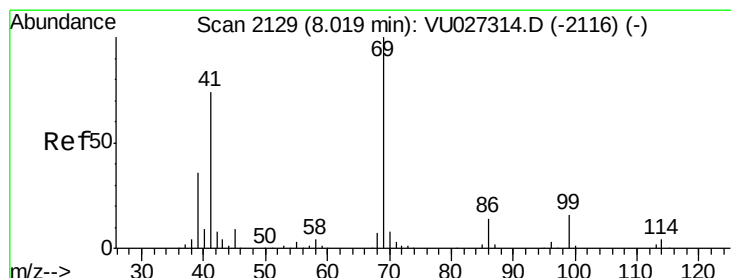
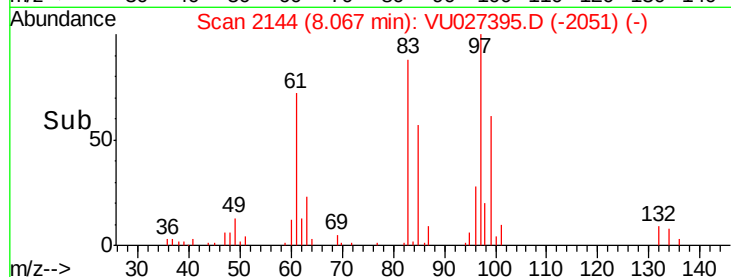
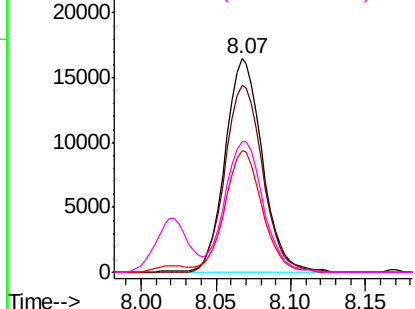
#55
 1,1,2-Trichloroethane
 Concen: 19.785 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU027395.D
 Acq: 04 Oct 2018 10:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004MBS02

Tgt Ion: 97 Resp: 28446
 Ion Ratio Lower Upper
 97 100
 83 87.8 73.0 109.6
 85 57.2 47.3 70.9
 99 61.1 49.7 74.5

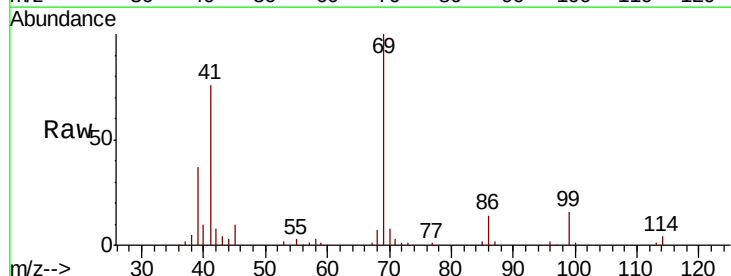


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

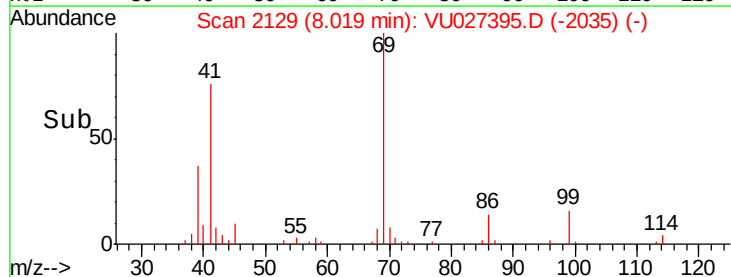
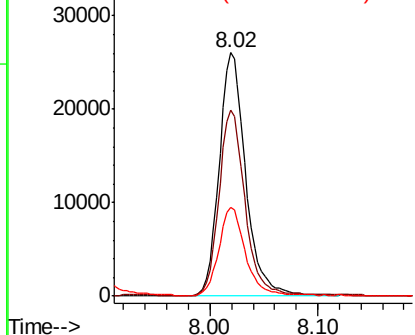


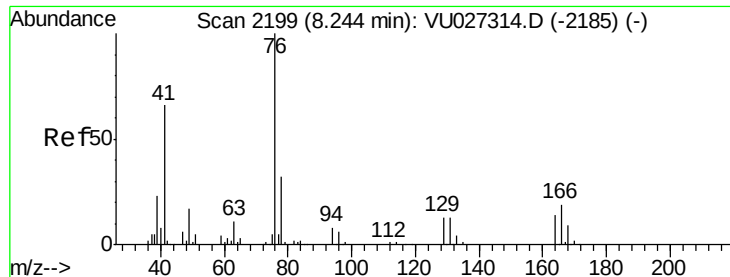
#56
 Ethyl methacrylate
 Concen: 17.712 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027395.D
 Acq: 04 Oct 2018 10:03

Tgt Ion: 69 Resp: 44535
 Ion Ratio Lower Upper
 69 100
 41 75.1 60.0 90.0
 39 37.2 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

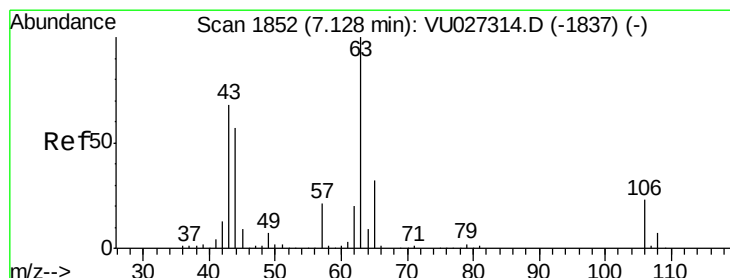
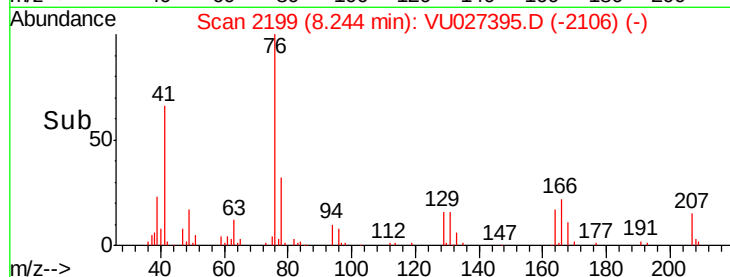
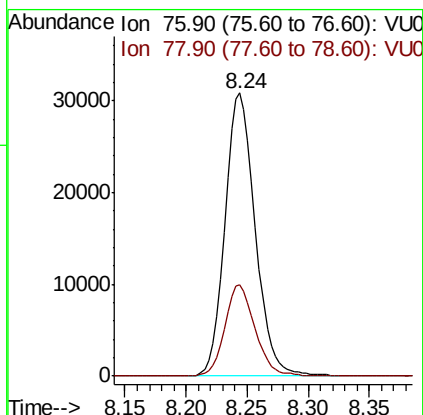
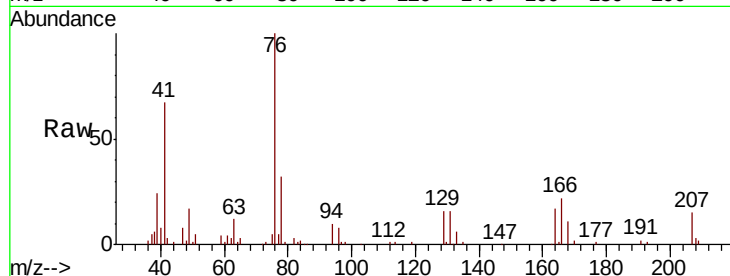




#57
 1,3-Dichloropropane
 Concen: 19.204 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU027395.D
 Acq: 04 Oct 2018 10:03

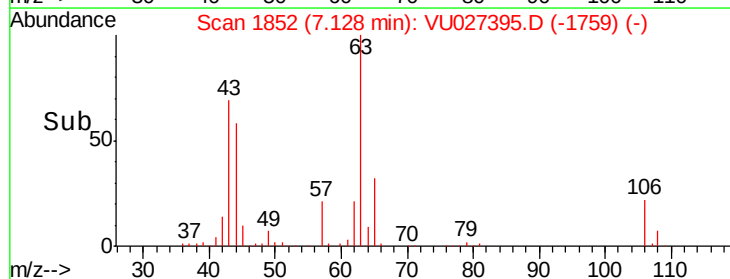
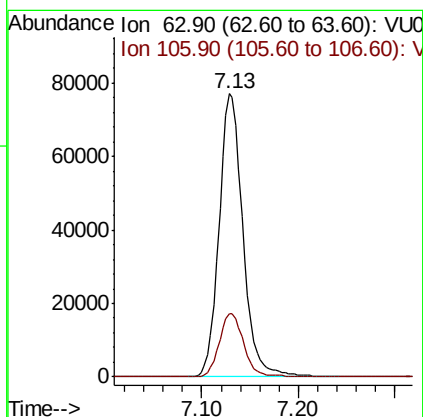
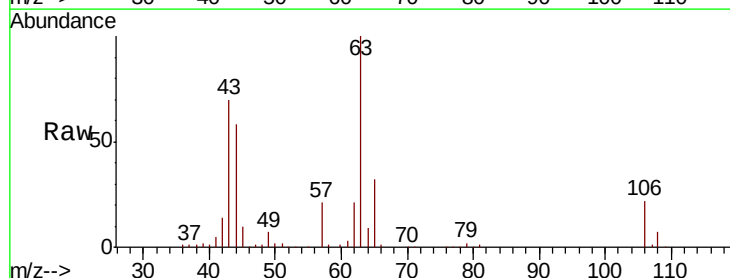
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004MBS02

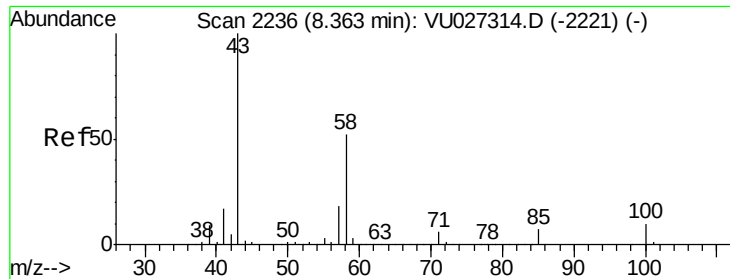
Tgt Ion: 76 Resp: 53599
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.698 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VU027395.D
 Acq: 04 Oct 2018 10:03

Tgt Ion: 63 Resp: 132061
 Ion Ratio Lower Upper
 63 100
 106 23.0 18.5 27.7

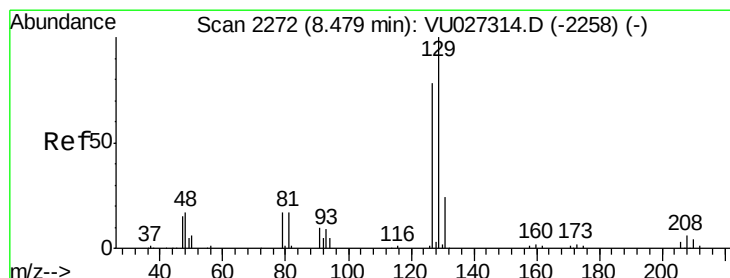
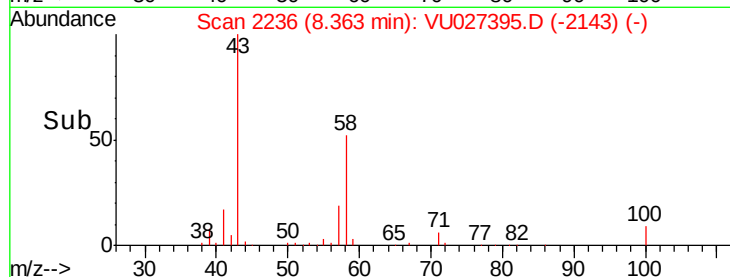
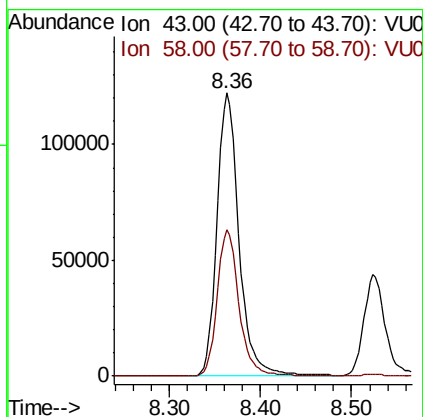
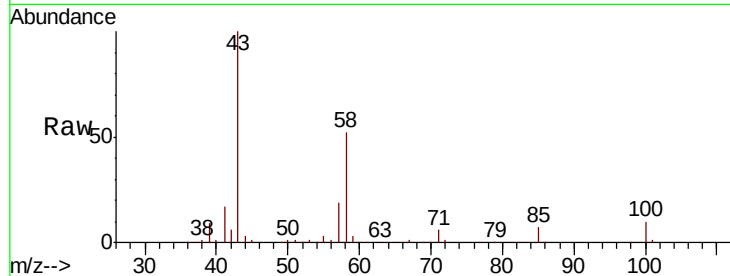




#59
2-Hexanone
Concen: 96.743 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027395.D
Acq: 04 Oct 2018 10:03

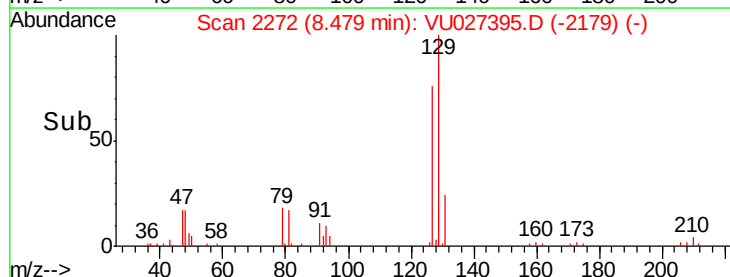
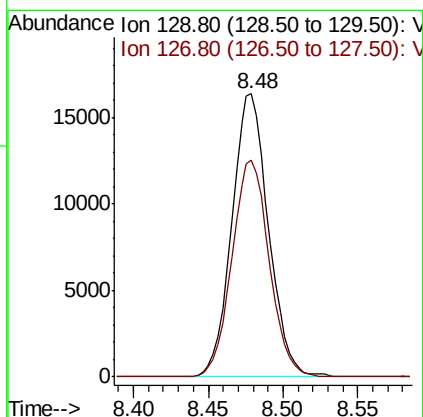
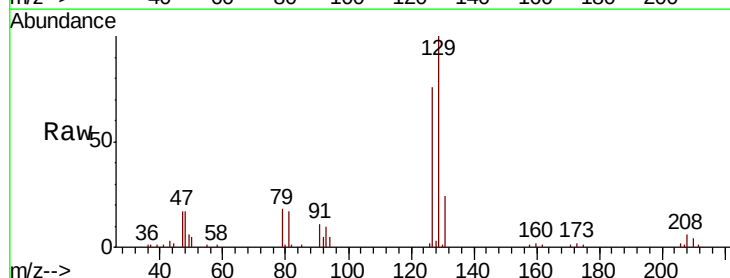
Instrument :
MSVOA_U
ClientSampleId :
VU1004MBS02

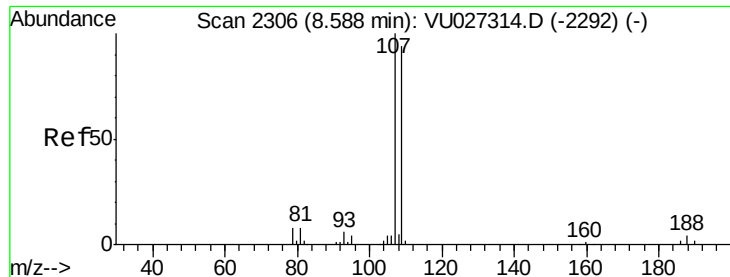
Tgt Ion: 43 Resp: 205874
Ion Ratio Lower Upper
43 100
58 51.3 26.1 78.3



#60
Dibromochloromethane
Concen: 19.330 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027395.D
Acq: 04 Oct 2018 10:03

Tgt Ion: 129 Resp: 27874
Ion Ratio Lower Upper
129 100
127 78.0 39.1 117.2

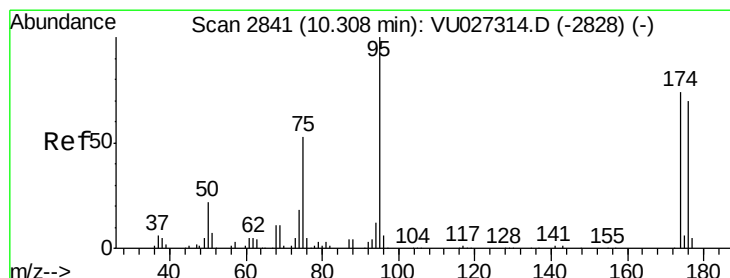
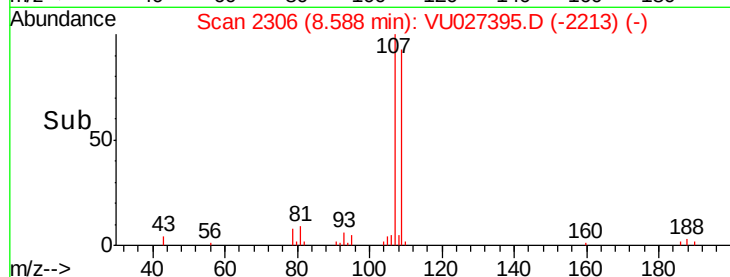
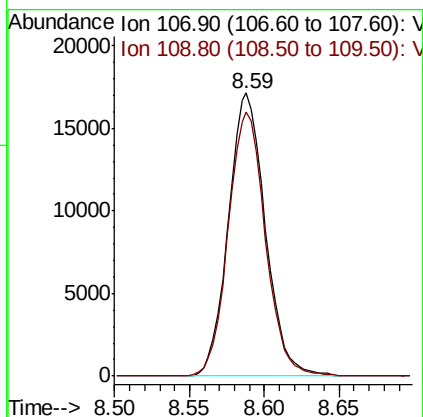
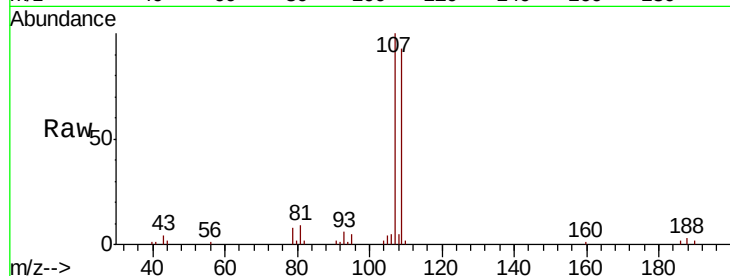




#61
 1,2-Dibromoethane
 Concen: 19.270 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU027395.D
 Acq: 04 Oct 2018 10:03

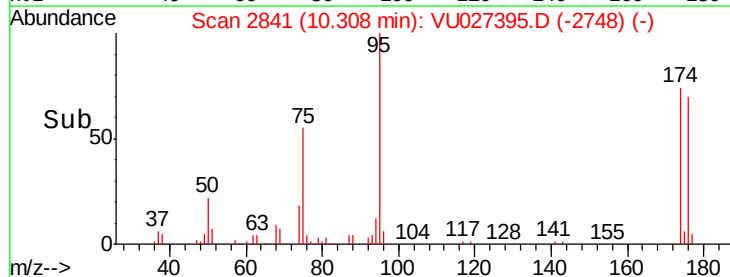
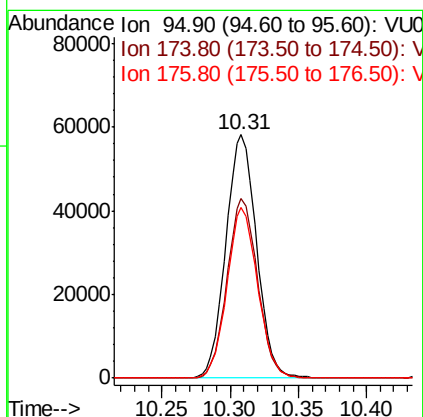
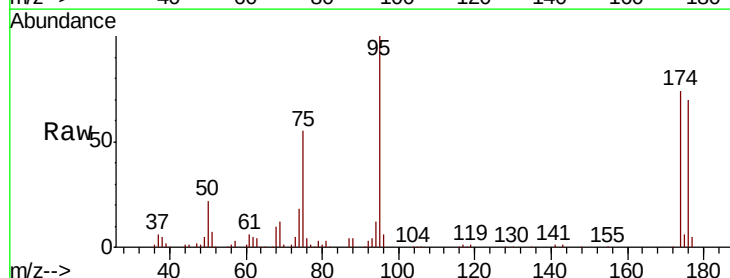
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004MBS02

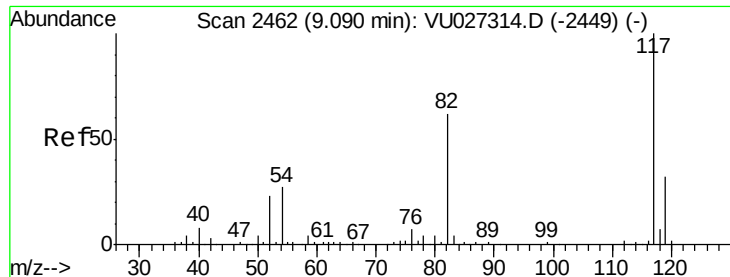
Tgt Ion: 107 Resp: 29457
 Ion Ratio Lower Upper
 107 100
 109 93.8 74.5 111.7



#62
 4-Bromofluorobenzene
 Concen: 49.433 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027395.D
 Acq: 04 Oct 2018 10:03

Tgt Ion: 95 Resp: 91279
 Ion Ratio Lower Upper
 95 100
 174 73.2 0.0 147.8
 176 69.6 0.0 140.8

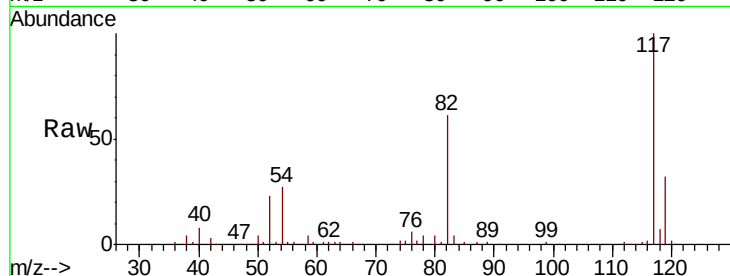




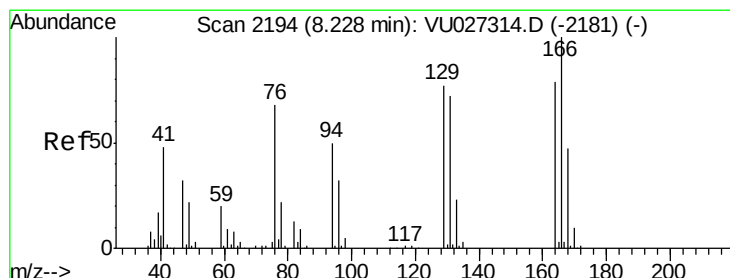
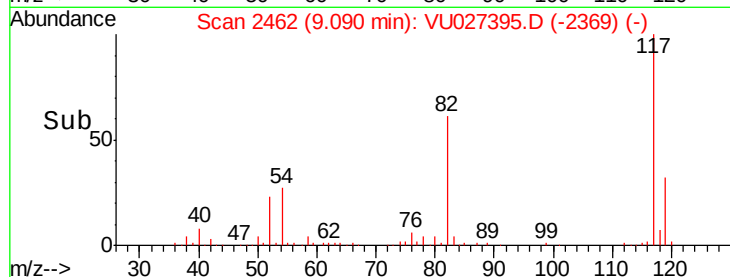
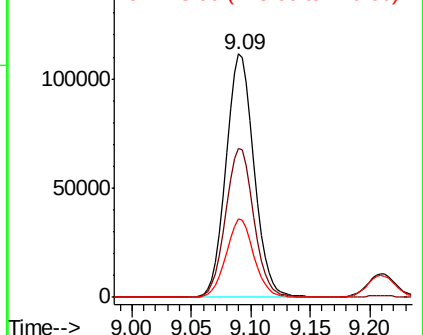
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU027395.D
Acq: 04 Oct 2018 10:03

Instrument :
MSVOA_U
ClientSampleId :
VU1004MBS02

Tgt Ion:117 Resp: 182441
Ion Ratio Lower Upper
117 100
82 61.4 49.2 73.8
119 32.2 25.7 38.5

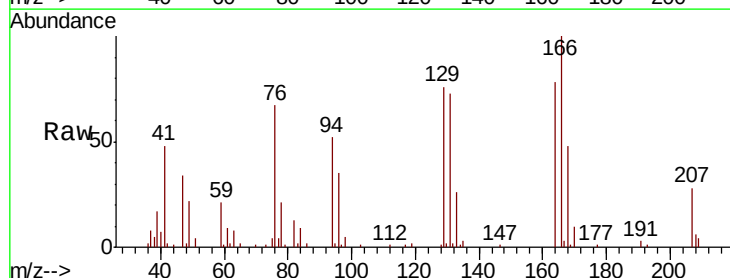


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

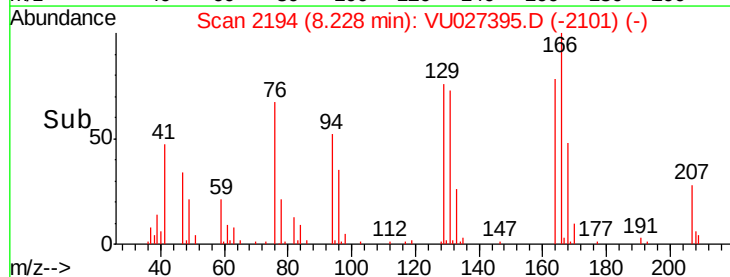
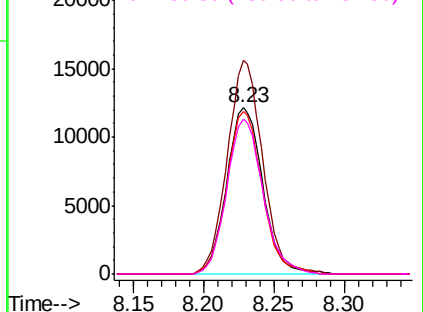


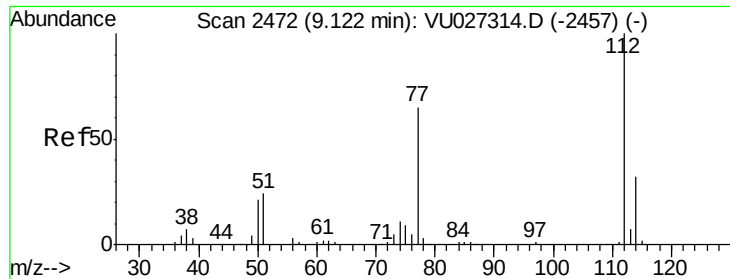
#64
Tetrachloroethene
Concen: 19.158 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027395.D
Acq: 04 Oct 2018 10:03

Tgt Ion:164 Resp: 21758
Ion Ratio Lower Upper
164 100
166 128.7 101.0 151.6
129 97.8 78.0 117.0
131 93.5 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

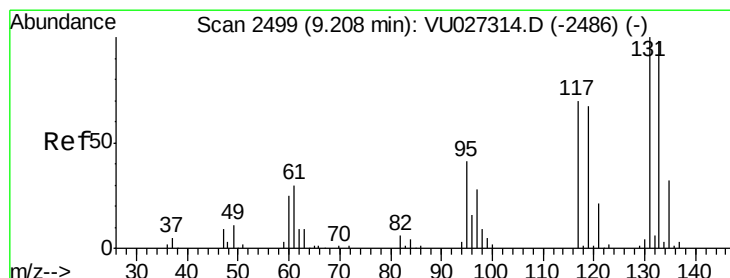
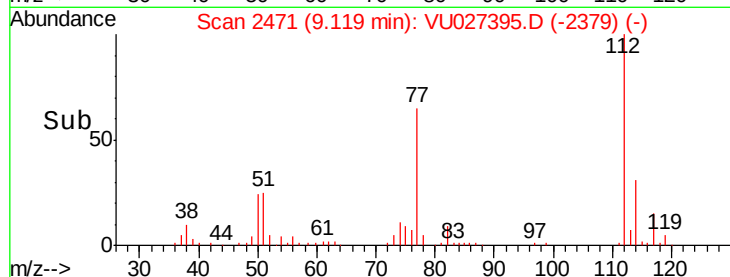
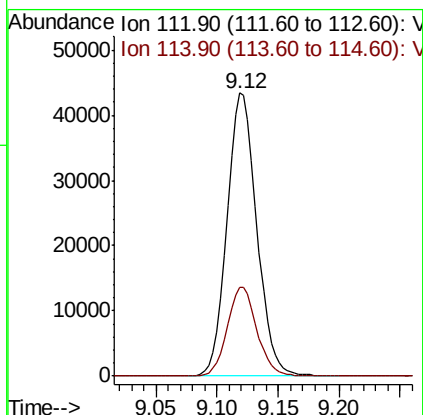
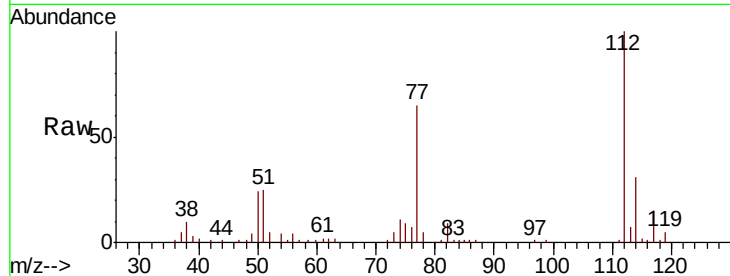




#65
Chlorobenzene
Concen: 19.291 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027395.D
Acq: 04 Oct 2018 10:03

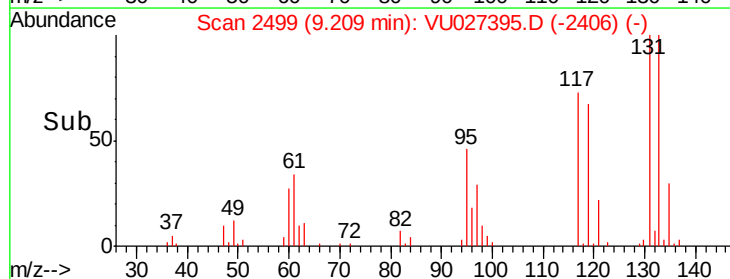
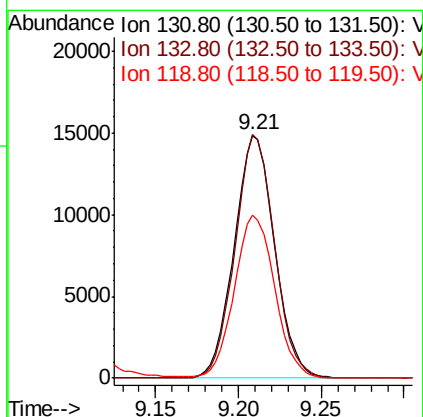
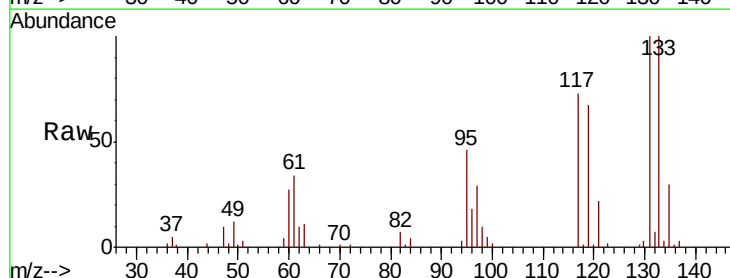
Instrument :
MSVOA_U
ClientSampleId :
VU1004MBS02

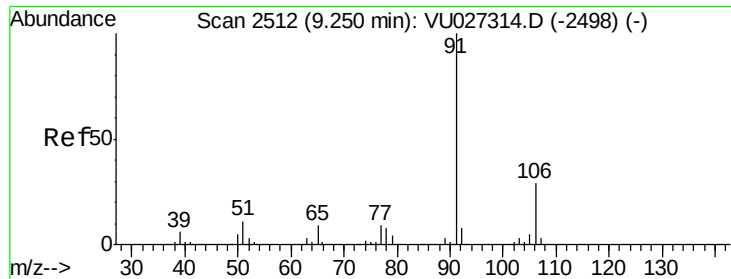
Tgt Ion:112 Resp: 74082
Ion Ratio Lower Upper
112 100
114 31.4 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 18.969 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU027395.D
Acq: 04 Oct 2018 10:03

Tgt Ion:131 Resp: 25148
Ion Ratio Lower Upper
131 100
133 97.7 48.5 145.6
119 67.1 33.5 100.4

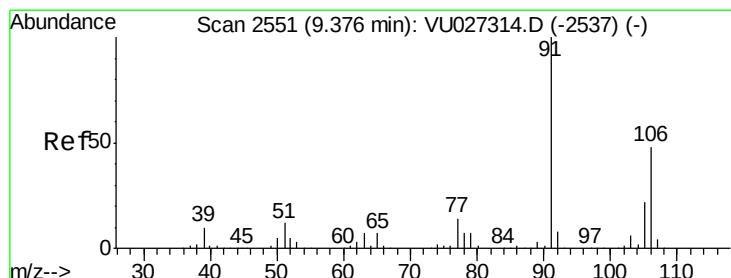
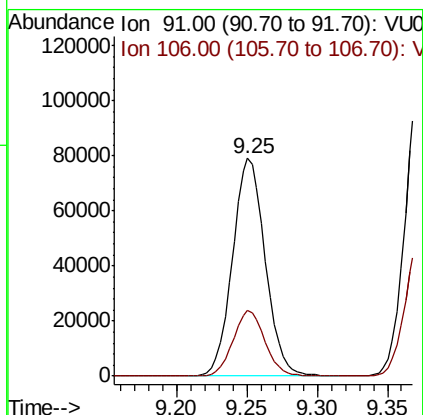
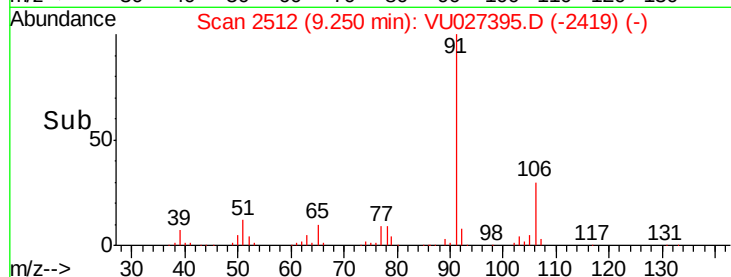
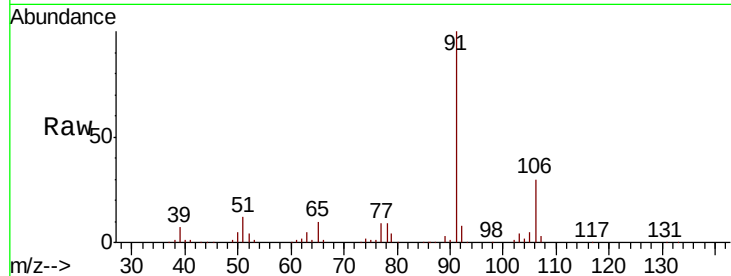




#67
 Ethyl Benzene
 Concen: 18.854 ug/l
 RT: 9.25 min Scan# 2512
 Delta R.T. 0.00 min
 Lab File: VU027395.D
 Acq: 04 Oct 2018 10:03

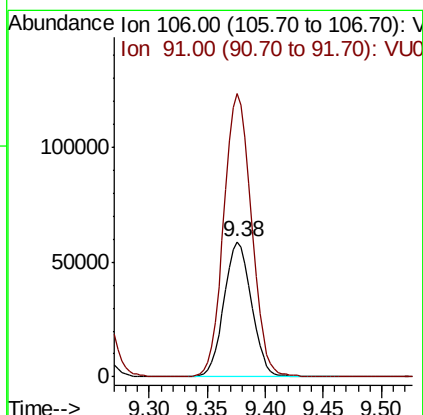
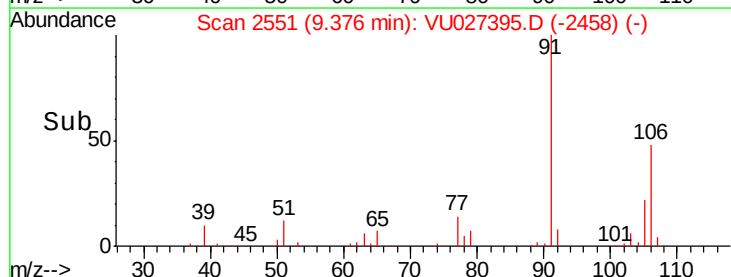
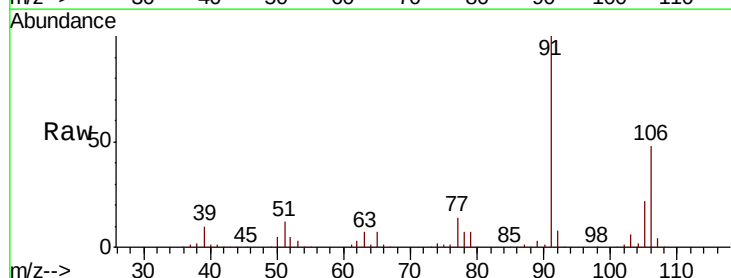
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004MBS02

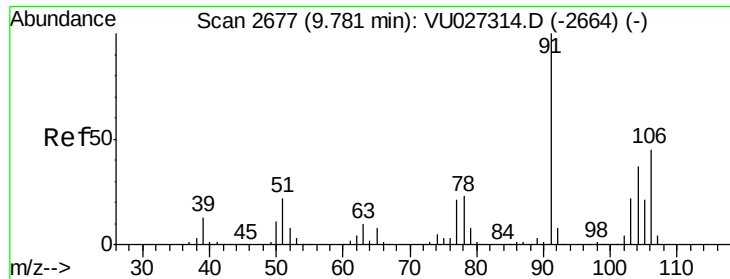
Tgt Ion: 91 Resp: 128278
 Ion Ratio Lower Upper
 91 100
 106 29.9 23.6 35.4



#68
 m/p-Xylenes
 Concen: 38.866 ug/l
 RT: 9.38 min Scan# 2551
 Delta R.T. 0.00 min
 Lab File: VU027395.D
 Acq: 04 Oct 2018 10:03

Tgt Ion: 106 Resp: 96728
 Ion Ratio Lower Upper
 106 100
 91 211.6 168.1 252.1

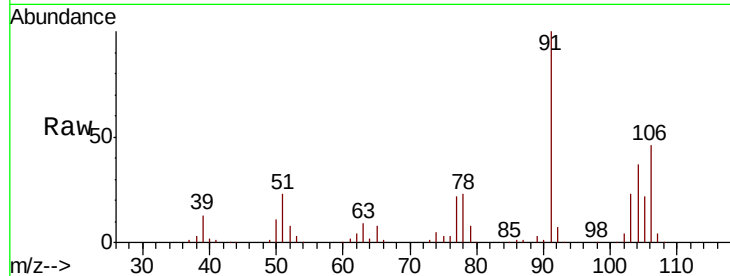




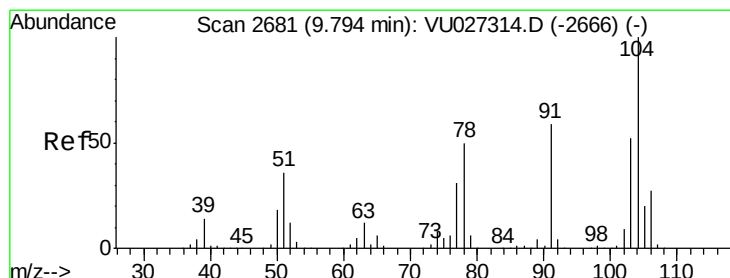
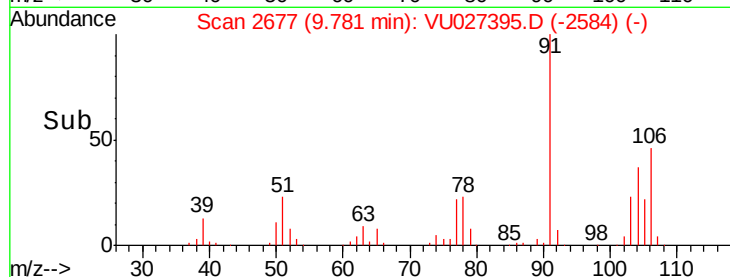
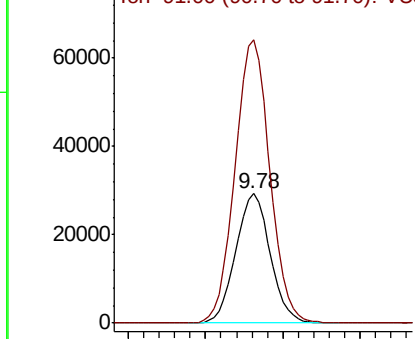
#69
o-Xylene
Concen: 19.160 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027395.D
Acq: 04 Oct 2018 10:03

Instrument :
MSVOA_U
ClientSampleId :
VU1004MBS02

Tgt Ion:106 Resp: 45314
Ion Ratio Lower Upper
106 100
91 221.1 111.7 334.9

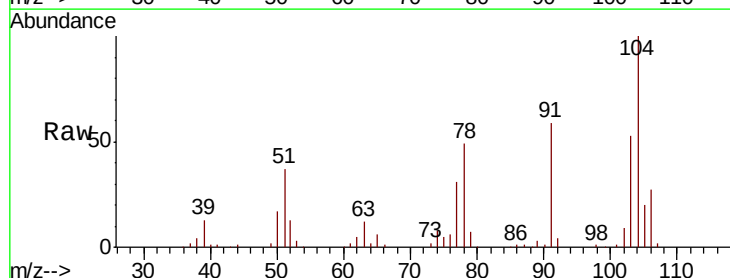


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

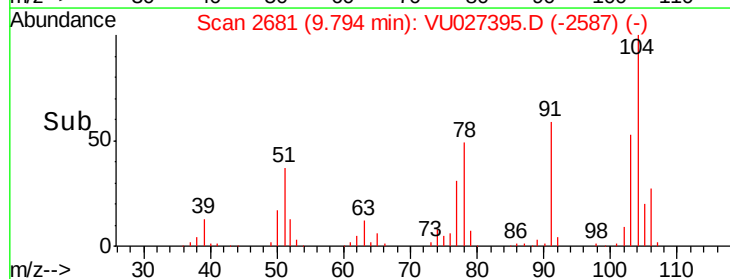
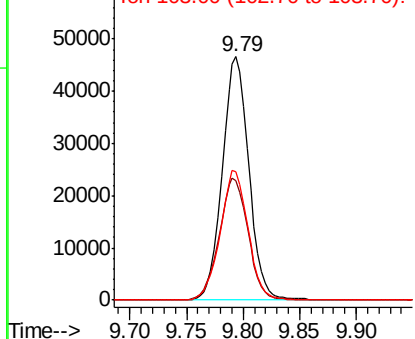


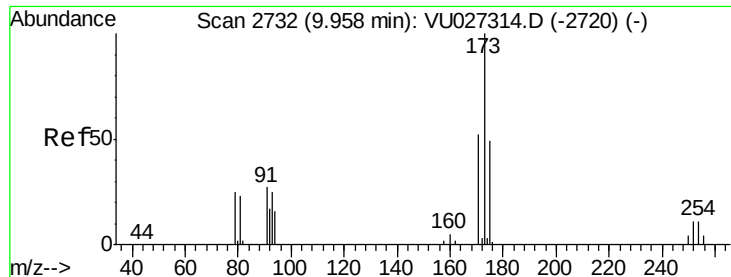
#70
Styrene
Concen: 18.723 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027395.D
Acq: 04 Oct 2018 10:03

Tgt Ion:104 Resp: 76107
Ion Ratio Lower Upper
104 100
78 54.4 42.9 64.3
103 55.7 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: 18.933 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU027395.D

Acq: 04 Oct 2018 10:03

Instrument :

MSVOA_U

ClientSampleId :

VU1004MBS02

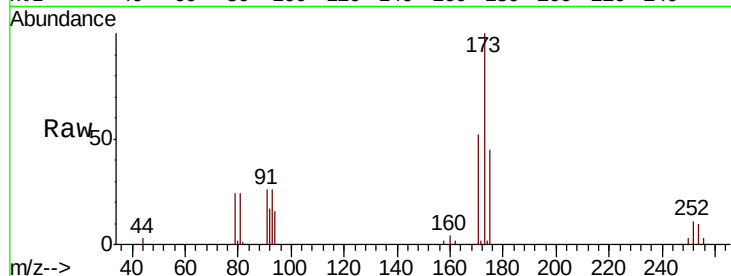
Tgt Ion:173 Resp: 20194

Ion Ratio Lower Upper

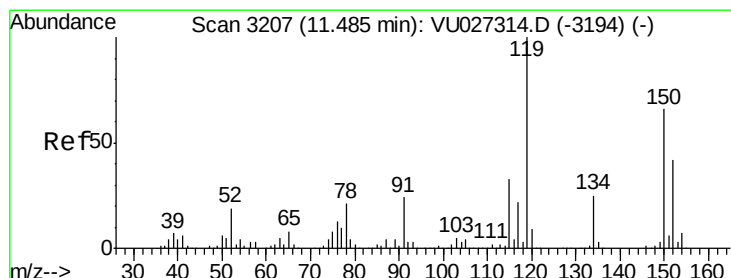
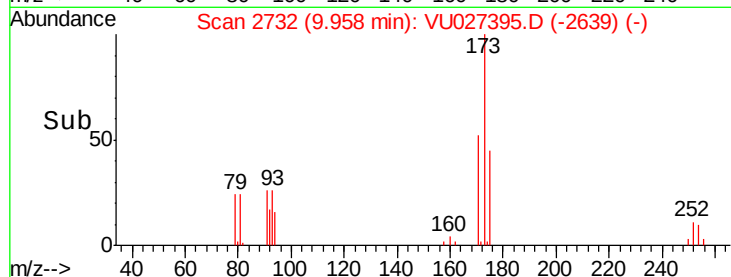
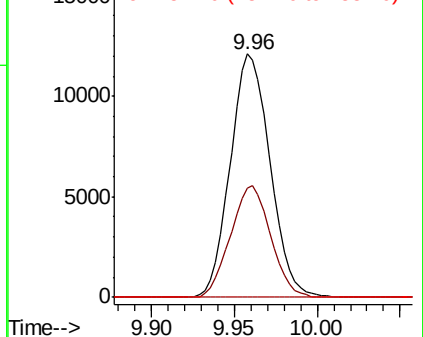
173 100

175 46.2 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: 11.49 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027395.D

Acq: 04 Oct 2018 10:03

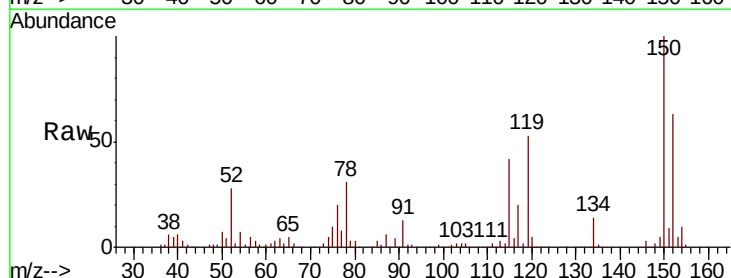
Tgt Ion:152 Resp: 93667

Ion Ratio Lower Upper

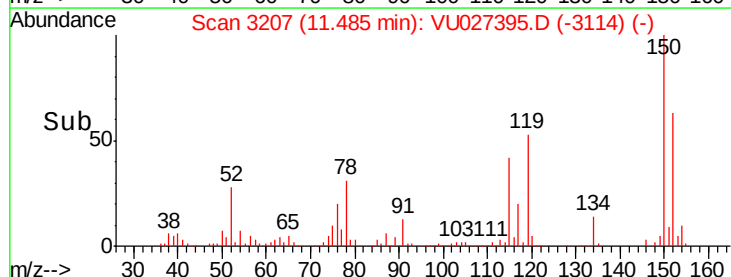
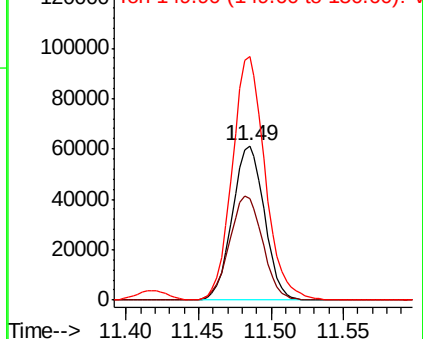
152 100

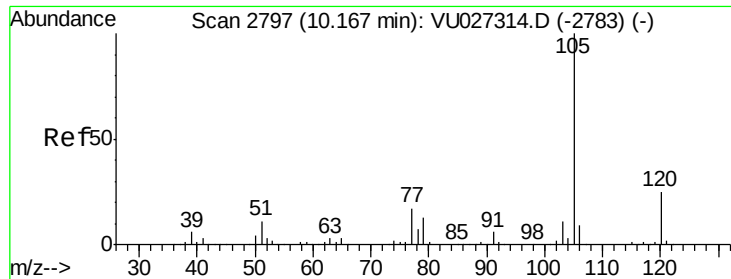
115 70.0 43.4 130.2

150 162.3 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

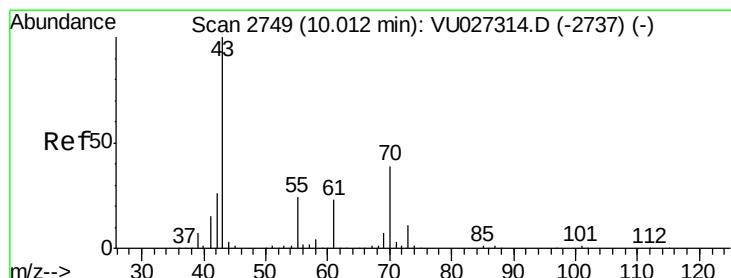
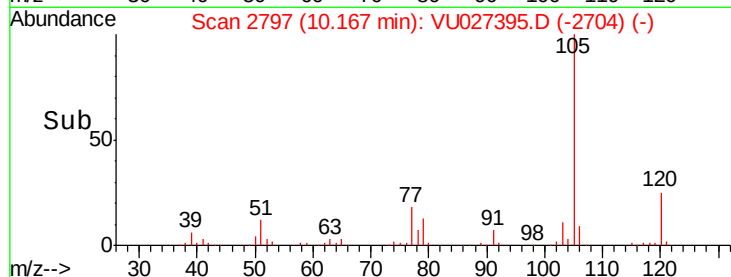
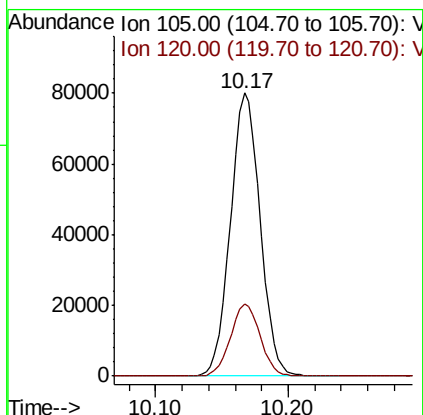
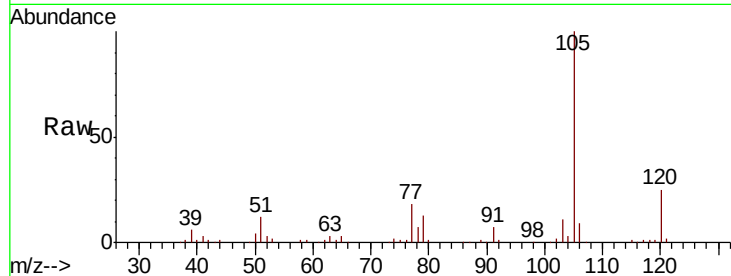




#73
Isopropylbenzene
Concen: 18.332 ug/l
RT: 10.17 min Scan# 2797
Delta R.T. 0.00 min
Lab File: VU027395.D
Acq: 04 Oct 2018 10:03

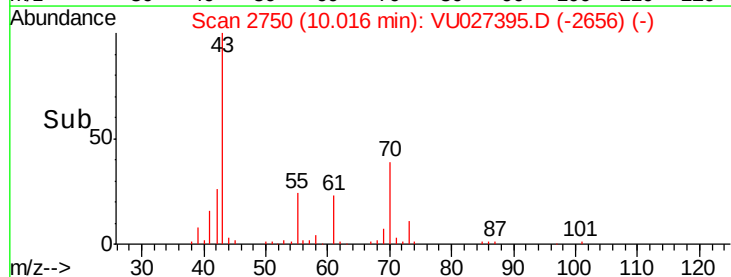
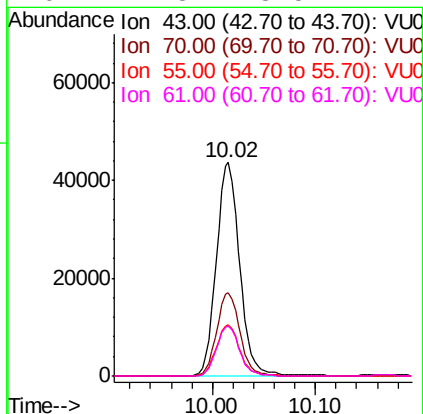
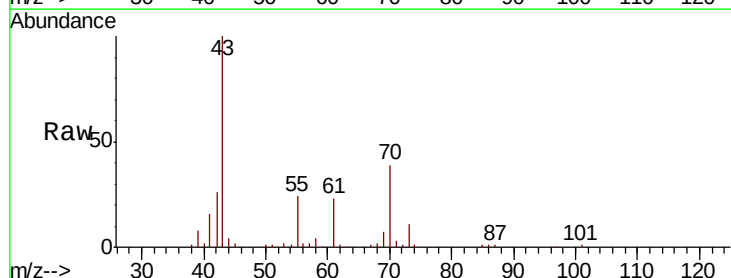
Instrument :
MSVOA_U
ClientSampleId :
VU1004MBS02

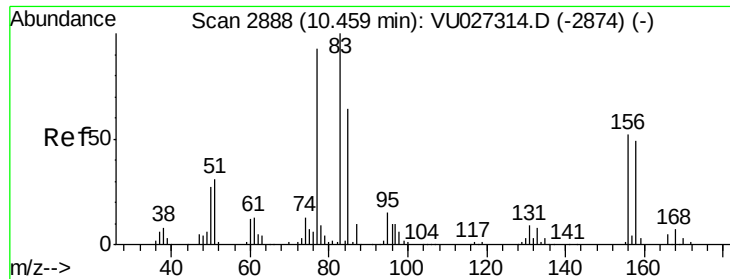
Tgt Ion:105 Resp: 124713
Ion Ratio Lower Upper
105 100
120 25.2 12.6 37.8



#74
N-ethyl acetate
Concen: 17.631 ug/l
RT: 10.02 min Scan# 2750
Delta R.T. 0.00 min
Lab File: VU027395.D
Acq: 04 Oct 2018 10:03

Tgt Ion: 43 Resp: 68666
Ion Ratio Lower Upper
43 100
70 38.6 31.3 46.9
55 24.1 19.0 28.6
61 22.8 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 18.324 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027395.D

Acq: 04 Oct 2018 10:03

Instrument :

MSVOA_U

ClientSampleId :

VU1004MBS02

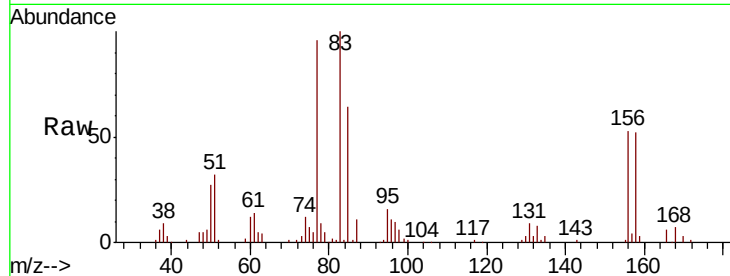
Tgt Ion: 83 Resp: 48948

Ion Ratio Lower Upper

83 100

131 8.9 4.4 13.2

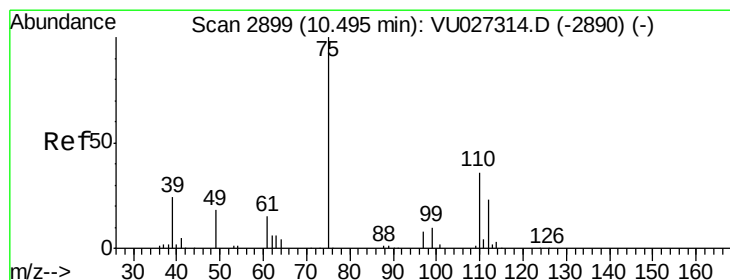
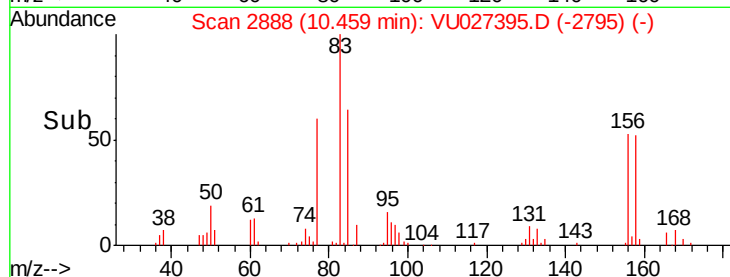
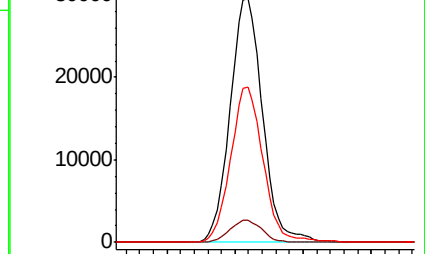
85 63.7 32.0 96.0



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: 23.766 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU027395.D

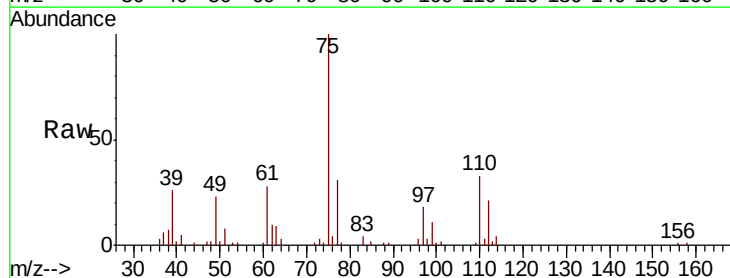
Acq: 04 Oct 2018 10:03

Tgt Ion: 75 Resp: 57706

Ion Ratio Lower Upper

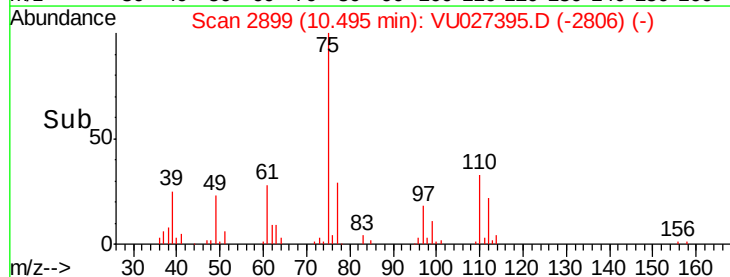
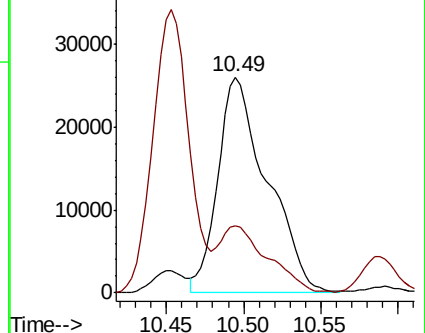
75 100

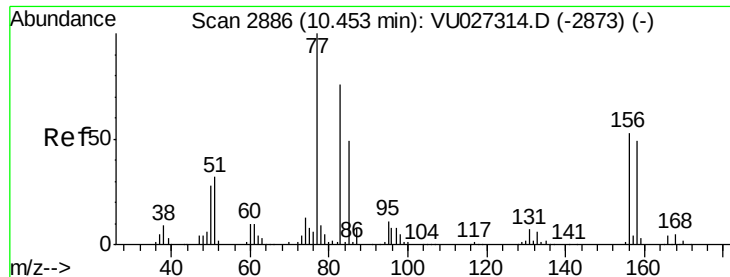
77 29.2 20.3 60.9



Abundance Ion 74.90 (74.60 to 75.60): VU027314.D (-2890) (-)

Ion 77.00 (76.70 to 77.70): VU027314.D (-2890) (-)





#77

Bromobenzene

Concen: 18.581 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU027395.D

Acq: 04 Oct 2018 10:03

Instrument :

MSVOA_U

ClientSampleId :

VU1004MBS02

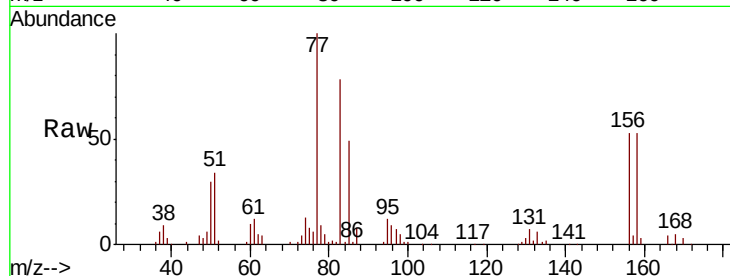
Tgt Ion:156 Resp: 29377

Ion Ratio Lower Upper

156 100

77 189.8 94.8 284.4

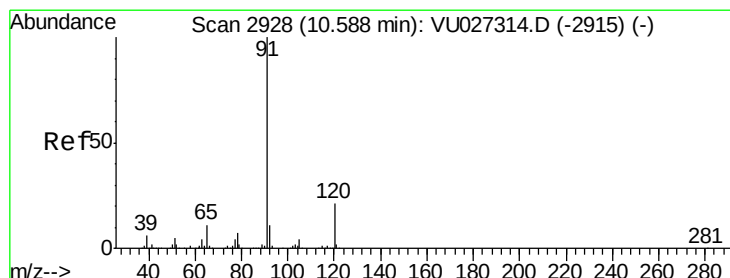
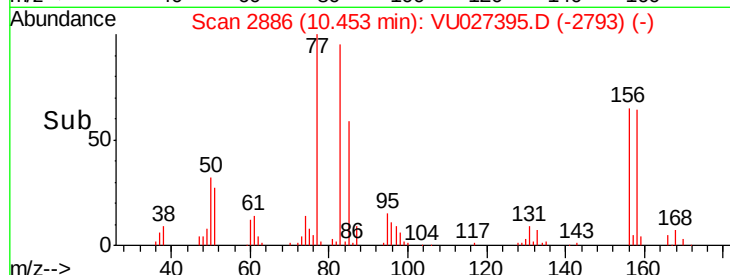
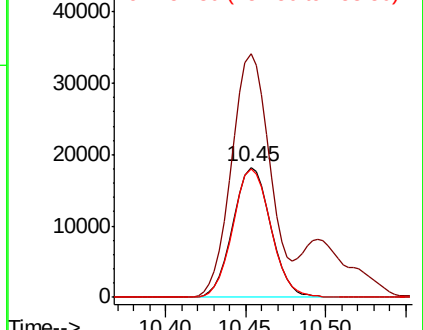
158 98.7 47.4 142.3



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: 19.002 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027395.D

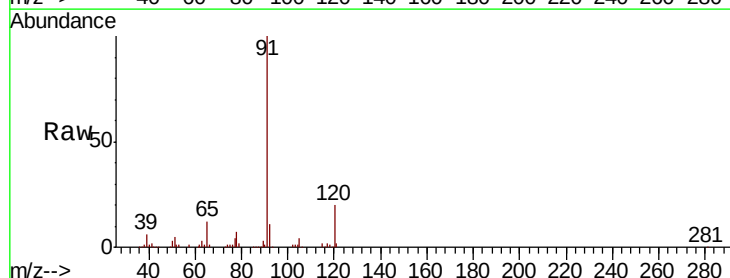
Acq: 04 Oct 2018 10:03

Tgt Ion: 91 Resp: 155330

Ion Ratio Lower Upper

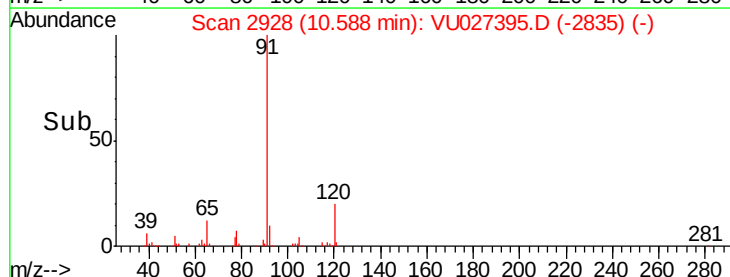
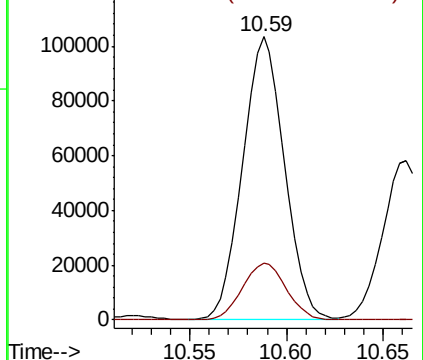
91 100

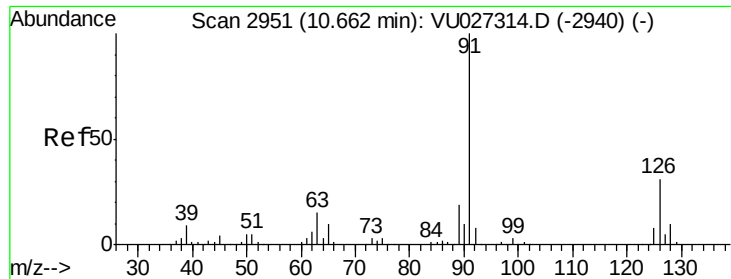
120 21.0 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

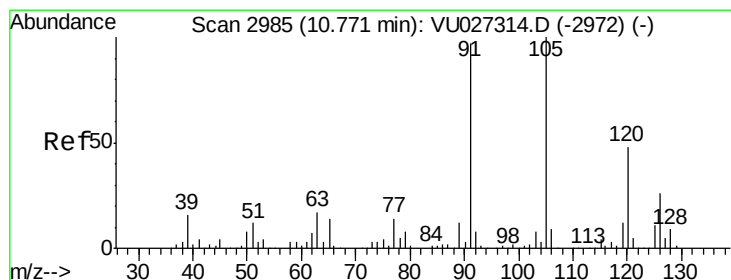
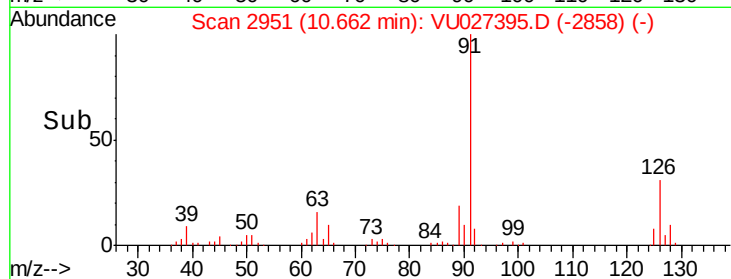
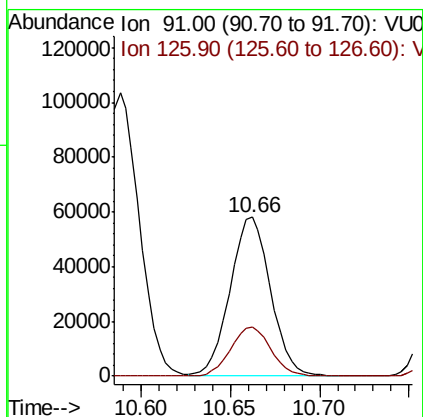
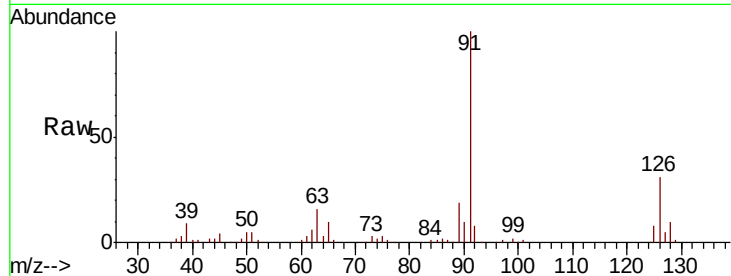




#79
 2-Chlorotoluene
 Concen: 18.492 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VU027395.D
 Acq: 04 Oct 2018 10:03

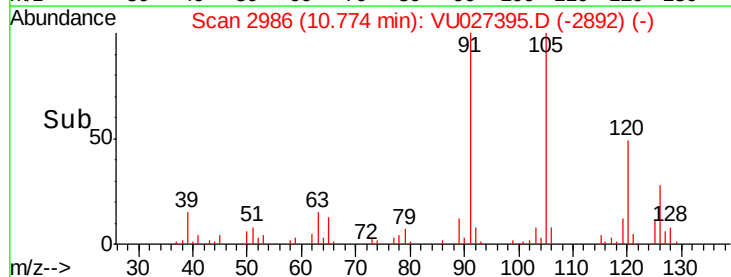
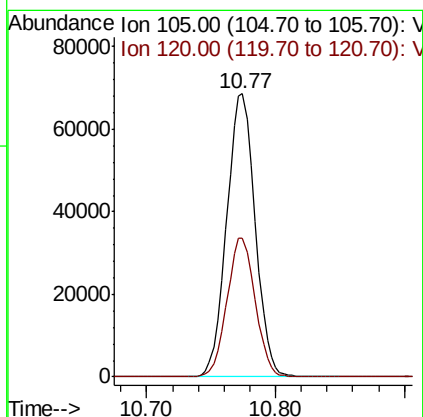
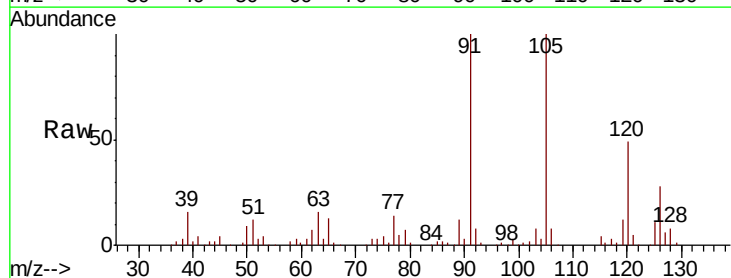
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004MBS02

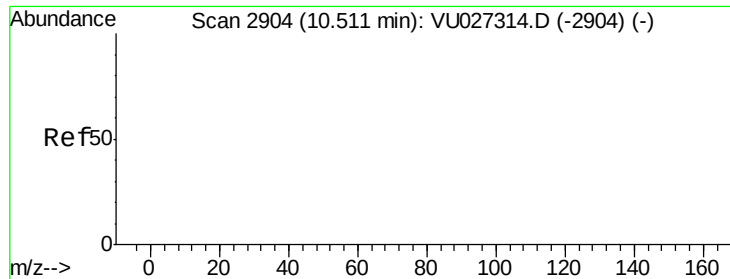
Tgt Ion: 91 Resp: 91270
 Ion Ratio Lower Upper
 91 100
 126 30.8 15.7 47.1



#80
 1,3,5-Trimethylbenzene
 Concen: 18.973 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU027395.D
 Acq: 04 Oct 2018 10:03

Tgt Ion: 105 Resp: 105084
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 62.199 ug/l

RT: 10.49 min Scan# 2899

Delta R.T. -0.02 min

Lab File: VU027395.D

Acq: 04 Oct 2018 10:03

Instrument :

MSVOA_U

ClientSampleId :

VU1004MBS02

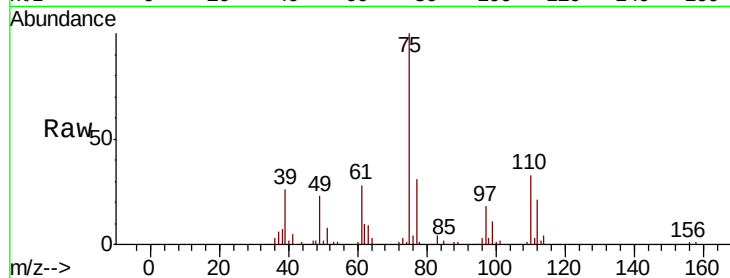
Tgt Ion: 75 Resp: 57706

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

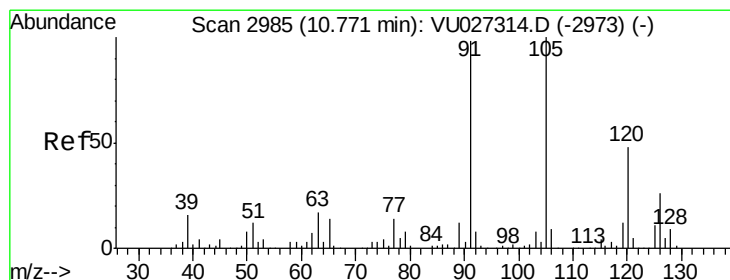
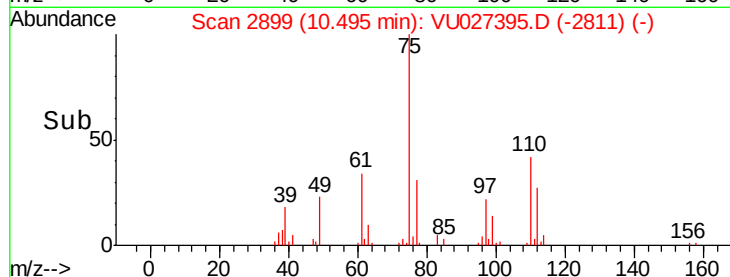
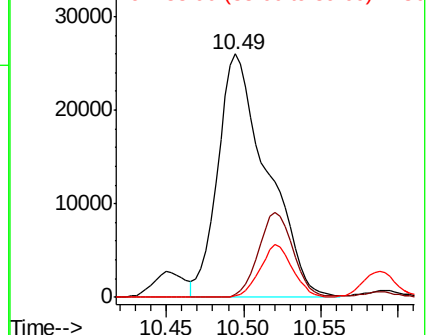
89 0.0 0.0 0.0



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: 19.351 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU027395.D

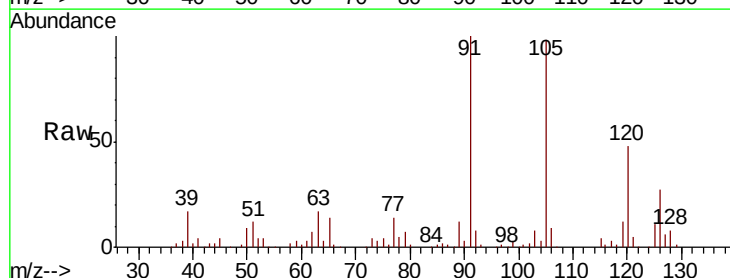
Acq: 04 Oct 2018 10:03

Tgt Ion: 91 Resp: 108386

Ion Ratio Lower Upper

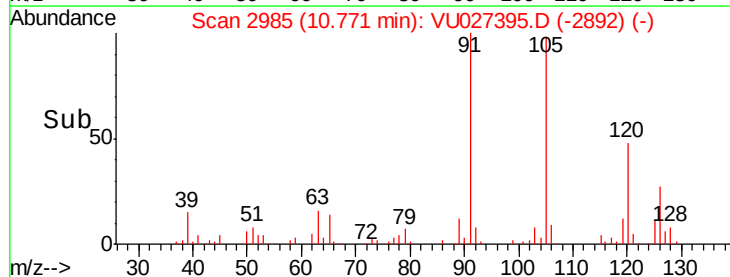
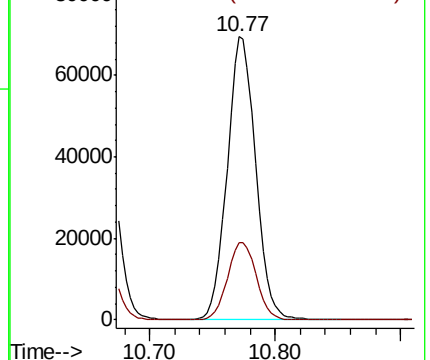
91 100

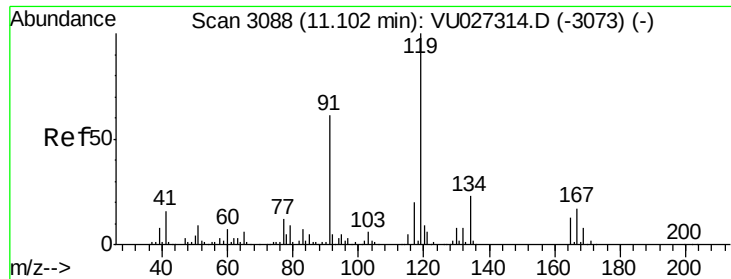
126 27.9 13.6 40.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 18.336 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. 0.00 min

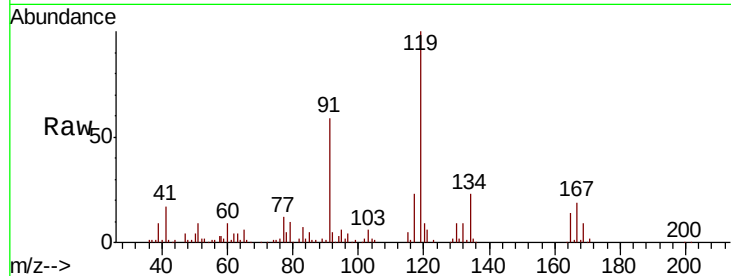
Lab File: VU027395.D

Acq: 04 Oct 2018 10:03

Instrument :
MSVOA_U
ClientSampleId :
VU1004MBS02

Tgt Ion:119 Resp: 98175

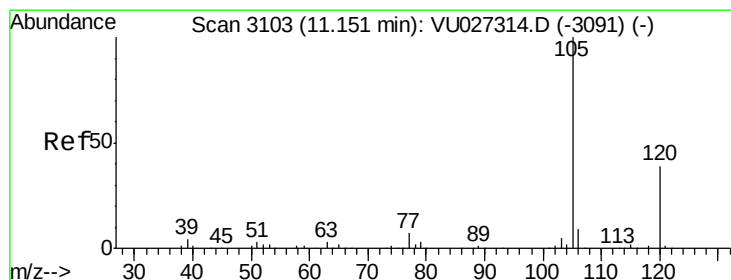
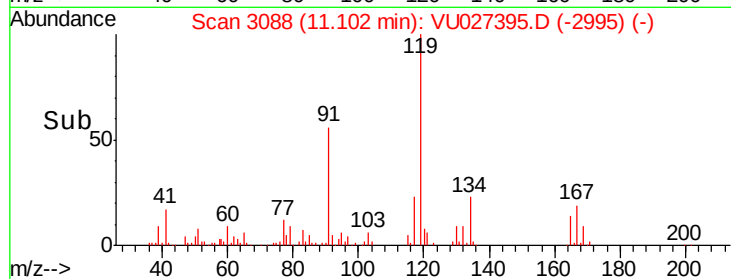
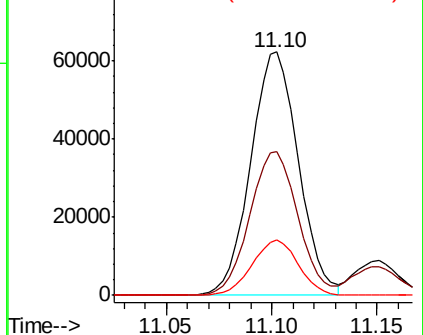
Ion	Ratio	Lower	Upper
119	100		
91	59.5	30.3	91.0
134	22.1	11.5	34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.179 ug/l

RT: 11.15 min Scan# 3103

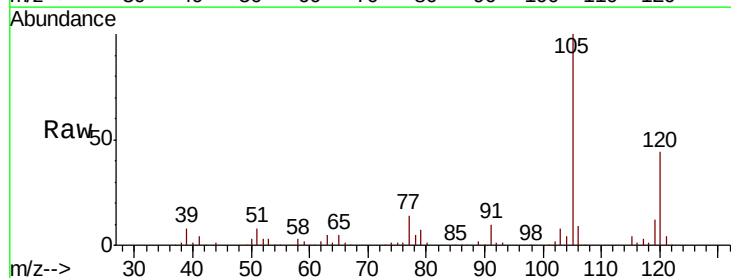
Delta R.T. 0.00 min

Lab File: VU027395.D

Acq: 04 Oct 2018 10:03

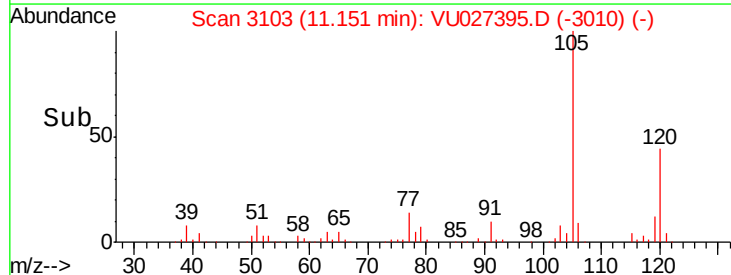
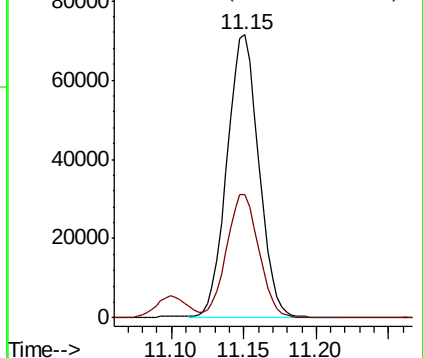
Tgt Ion:105 Resp: 108507

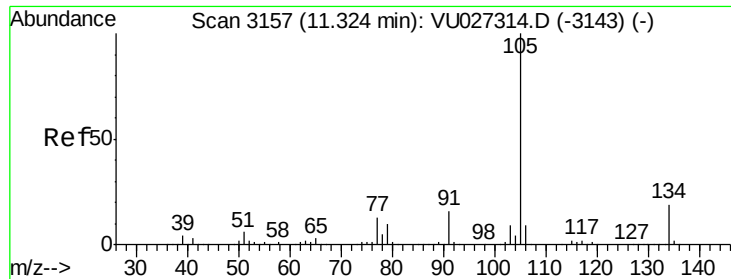
Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

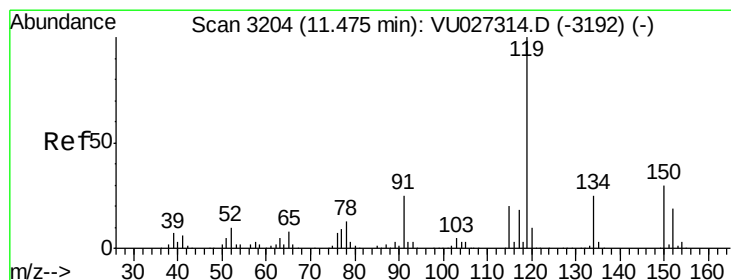
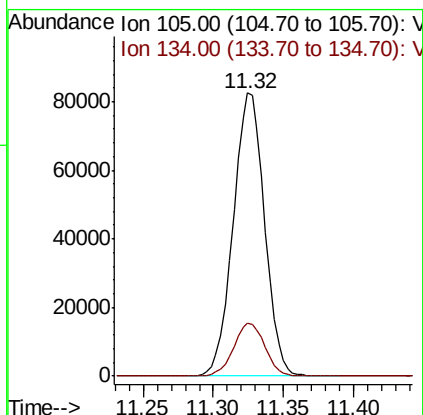
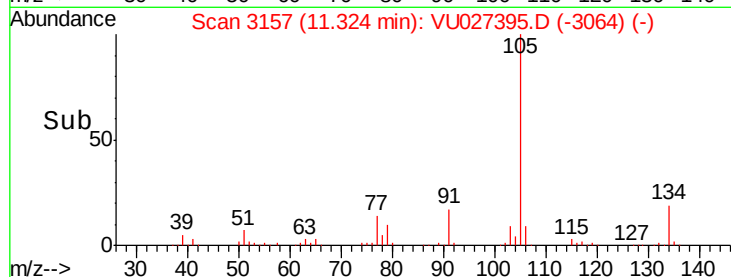
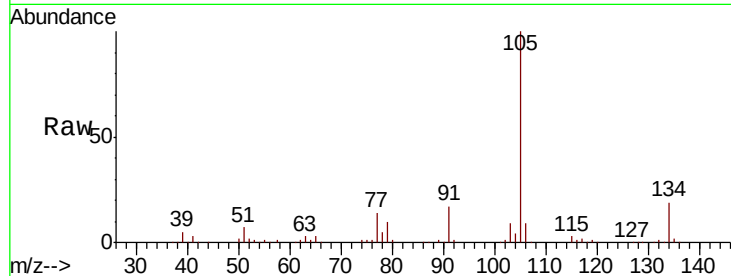




#85
 sec-Butylbenzene
 Concen: 19.019 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027395.D
 Acq: 04 Oct 2018 10:03

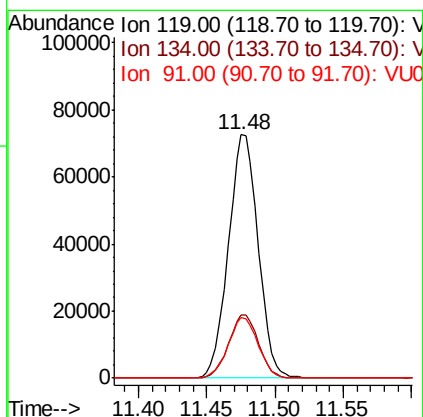
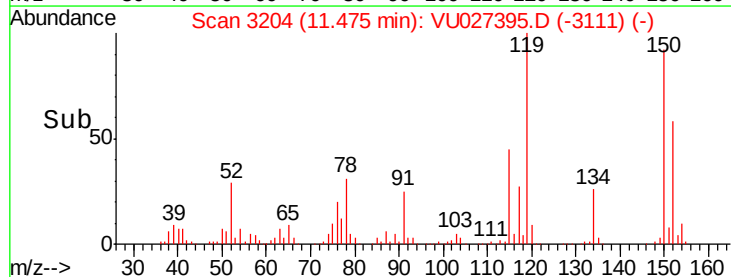
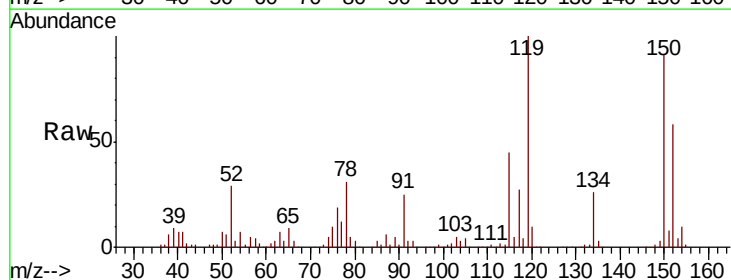
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004MBS02

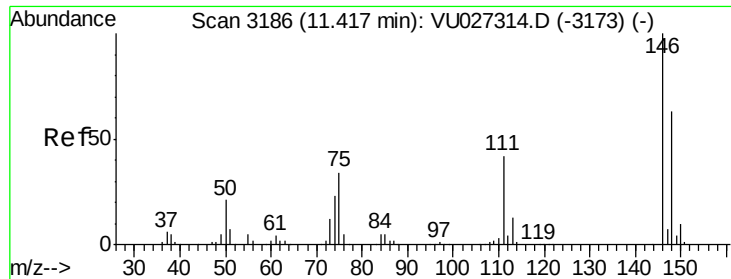
Tgt Ion:105 Resp: 128310
 Ion Ratio Lower Upper
 105 100
 134 18.7 9.6 28.6



#86
 p-Isopropyltoluene
 Concen: 19.016 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU027395.D
 Acq: 04 Oct 2018 10:03

Tgt Ion:119 Resp: 109843
 Ion Ratio Lower Upper
 119 100
 134 26.0 12.7 38.1
 91 25.3 12.2 36.4

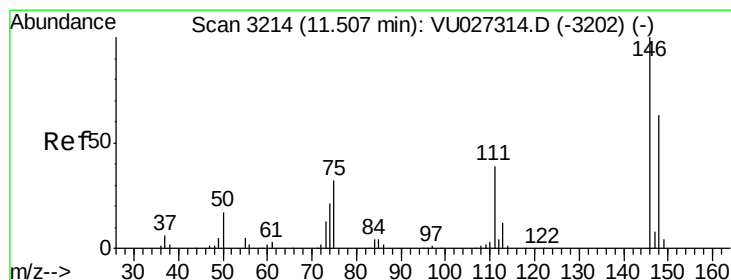
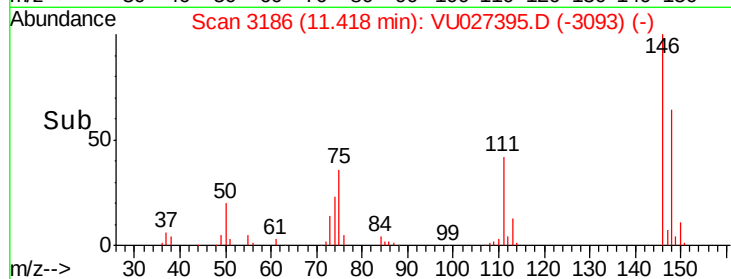
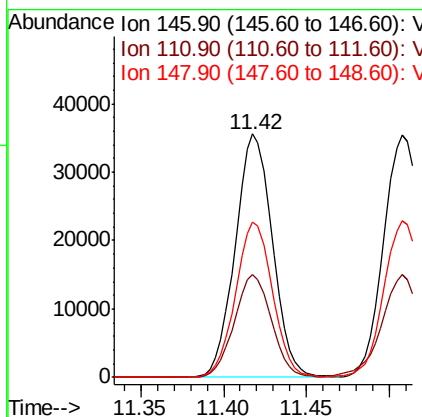
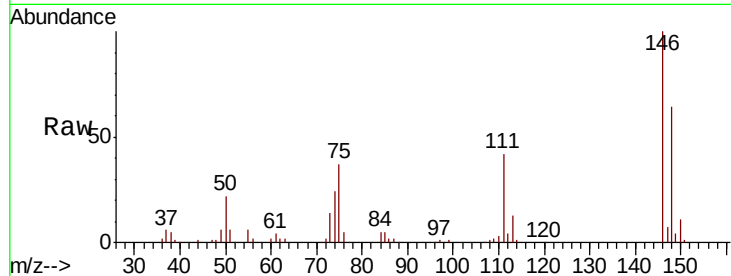




#87
 1,3-Dichlorobenzene
 Concen: 18.591 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027395.D
 Acq: 04 Oct 2018 10:03

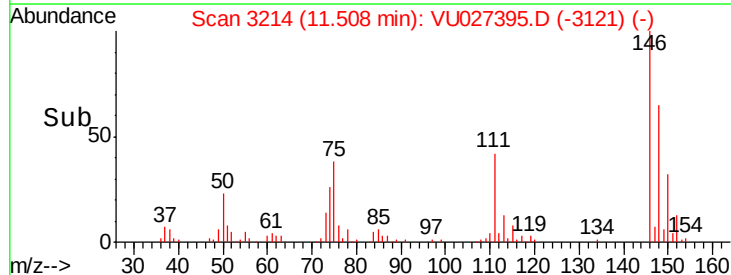
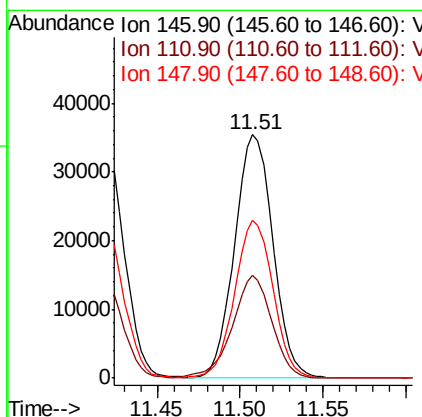
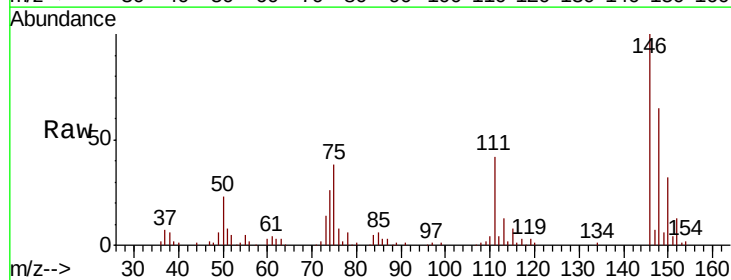
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004MBS02

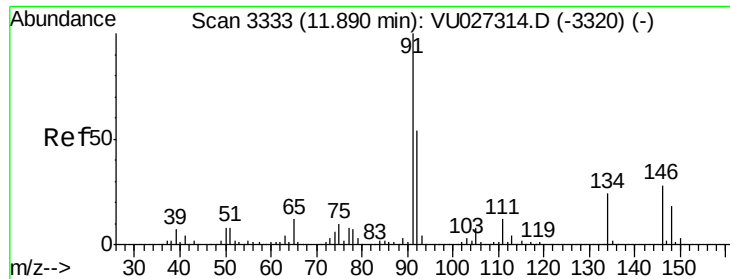
Tgt Ion:146 Resp: 55658
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.8 62.5
 148 63.3 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 18.691 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027395.D
 Acq: 04 Oct 2018 10:03

Tgt Ion:146 Resp: 57180
 Ion Ratio Lower Upper
 146 100
 111 43.4 20.4 61.2
 148 64.8 31.9 95.5

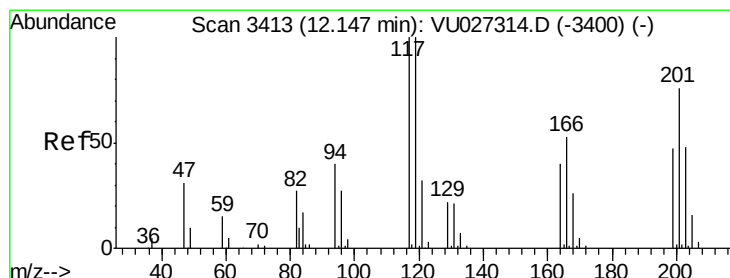
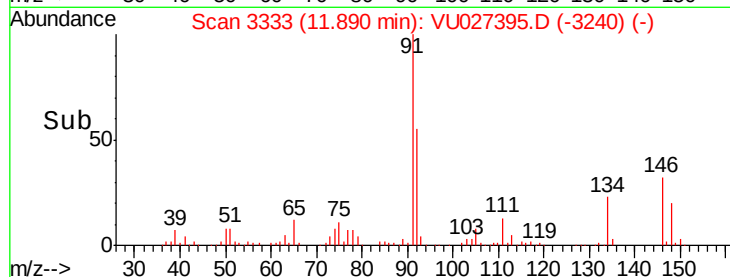
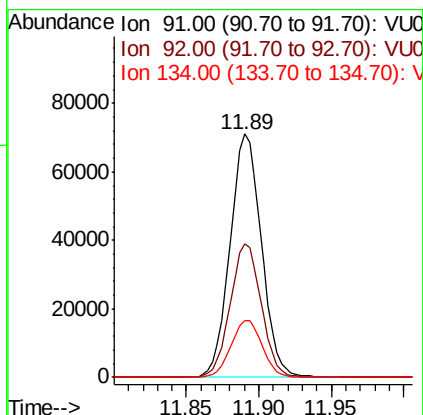
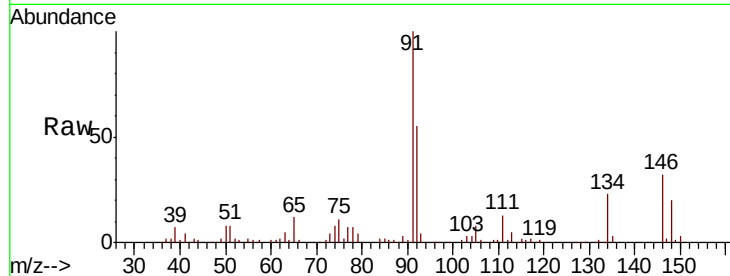




#89
n-Butylbenzene
Concen: 18.661 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027395.D
Acq: 04 Oct 2018 10:03

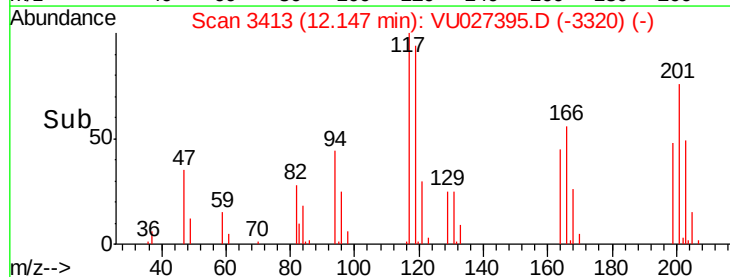
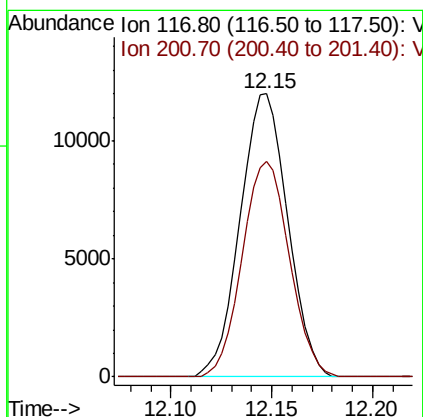
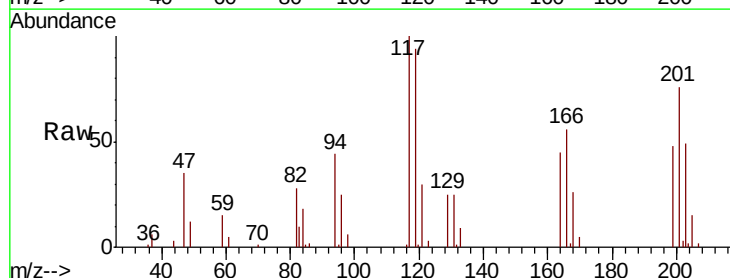
Instrument :
MSVOA_U
ClientSampleId :
VU1004MBS02

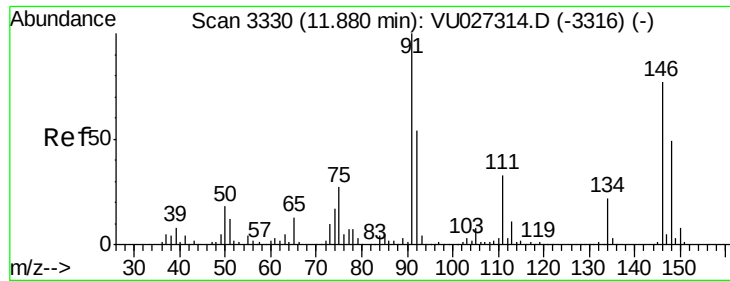
Tgt Ion: 91 Resp: 106595
Ion Ratio Lower Upper
91 100
92 54.4 27.0 81.0
134 23.2 11.7 35.1



#90
Hexachloroethane
Concen: 18.229 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027395.D
Acq: 04 Oct 2018 10:03

Tgt Ion: 117 Resp: 19847
Ion Ratio Lower Upper
117 100
201 75.5 37.9 113.6

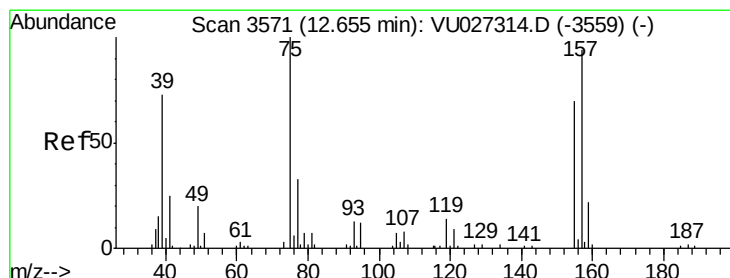
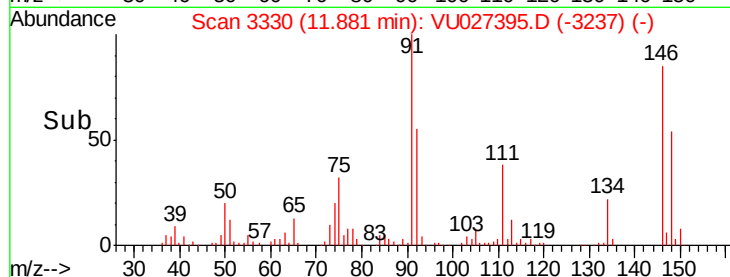
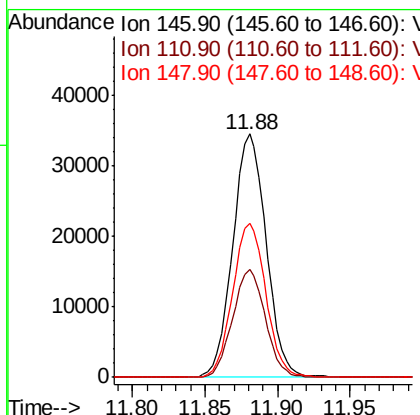
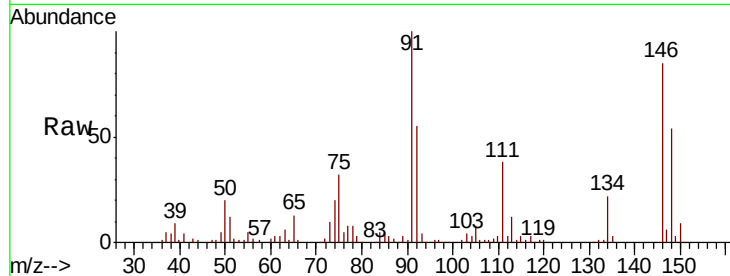




#91
 1,2-Dichlorobenzene
 Concen: 18.926 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027395.D
 Acq: 04 Oct 2018 10:03

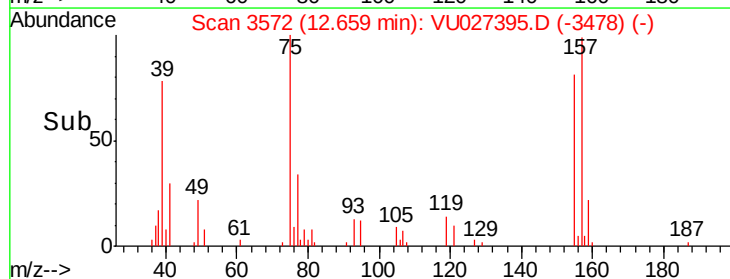
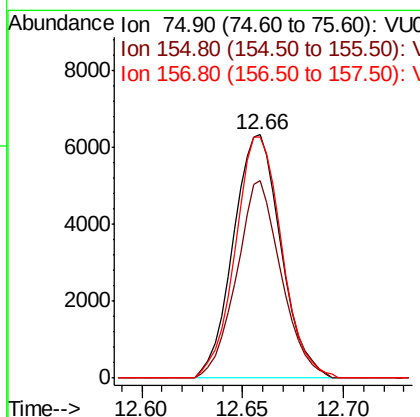
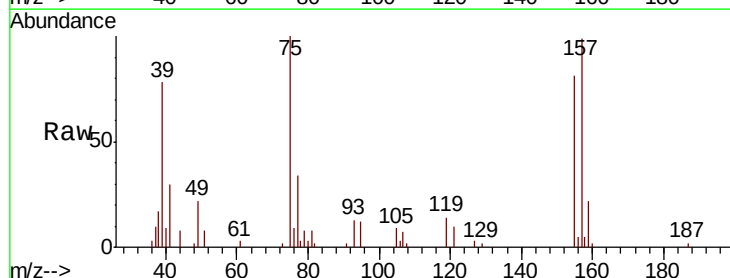
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004MBS02

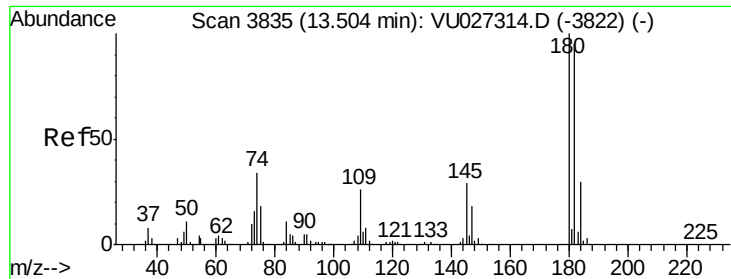
Tgt Ion: 146 Resp: 55152
 Ion Ratio Lower Upper
 146 100
 111 43.3 21.8 65.4
 148 62.8 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.679 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU027395.D
 Acq: 04 Oct 2018 10:03

Tgt Ion: 75 Resp: 10466
 Ion Ratio Lower Upper
 75 100
 155 75.6 35.9 107.8
 157 96.8 46.9 140.6

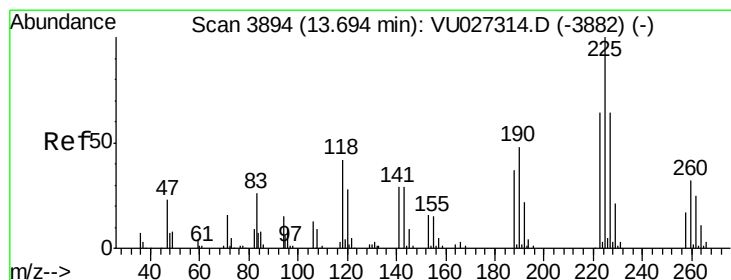
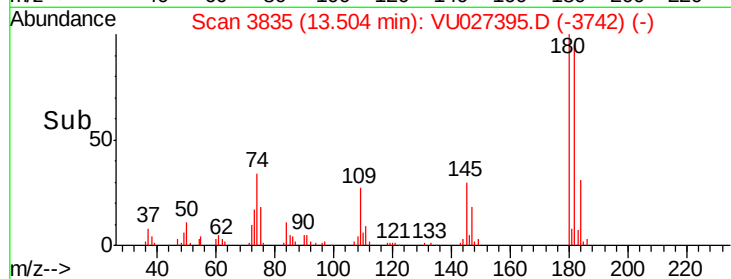
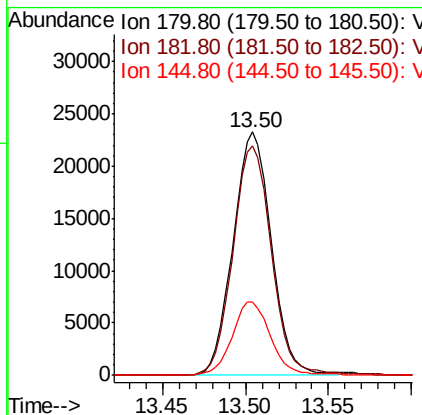
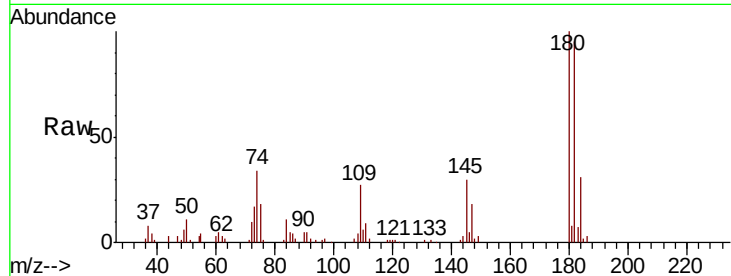




#93
 1,2,4-Trichlorobenzene
 Concen: 19.835 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027395.D
 Acq: 04 Oct 2018 10:03

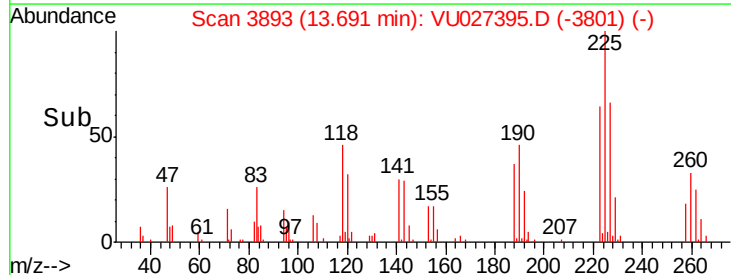
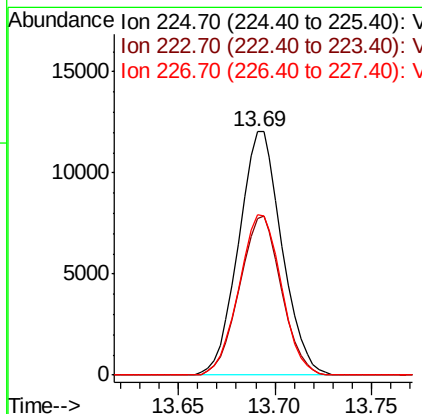
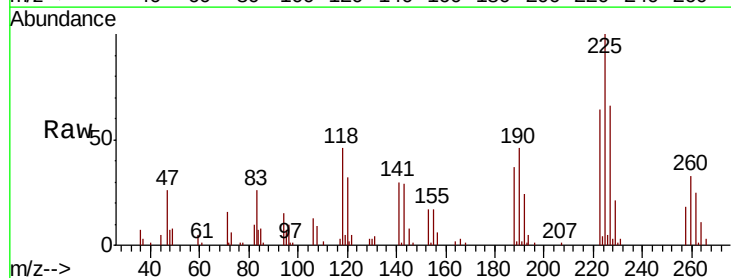
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004MBS02

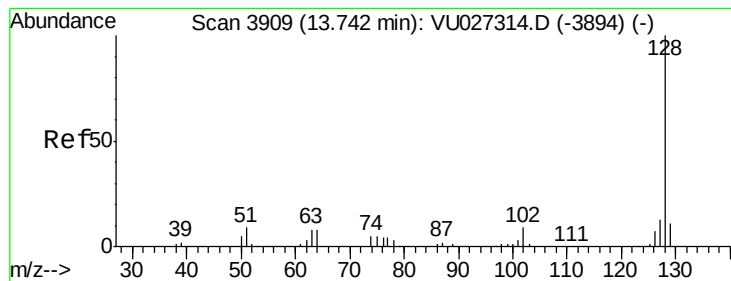
Tgt Ion:180 Resp: 37400
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.4 142.3
 145 30.2 14.6 44.0



#94
 Hexachlorobutadiene
 Concen: 19.652 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU027395.D
 Acq: 04 Oct 2018 10:03

Tgt Ion:225 Resp: 18722
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.8 95.3
 227 64.5 31.9 95.7





#95

Naphthalene

Concen: 17.567 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU027395.D

Acq: 04 Oct 2018 10:03

Instrument :

MSVOA_U

ClientSampleId :

VU1004MBS02

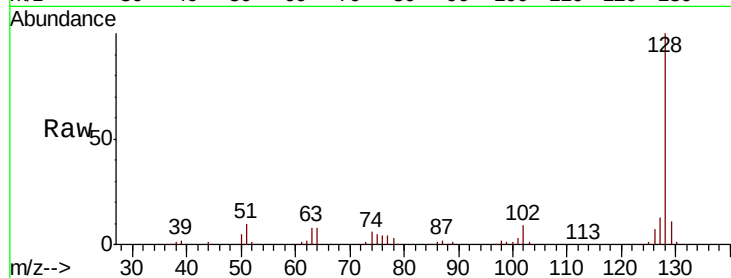
Tgt Ion:128 Resp: 116516

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

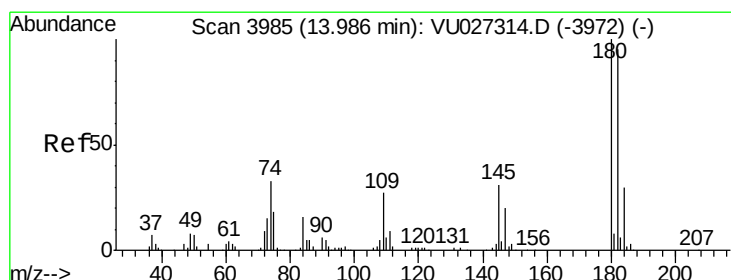
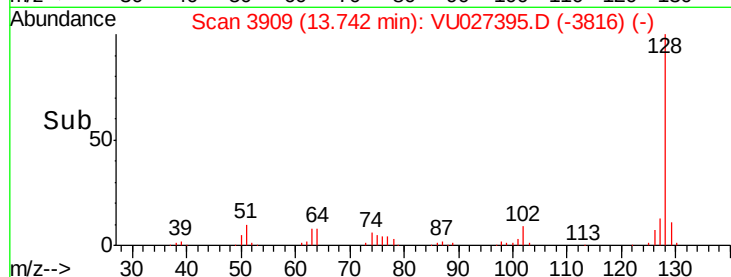
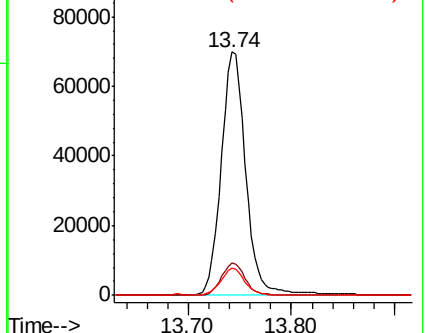
129 11.0 8.6 12.8



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: 19.923 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU027395.D

Acq: 04 Oct 2018 10:03

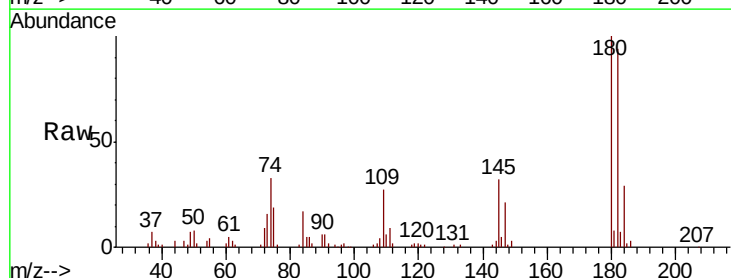
Tgt Ion:180 Resp: 39137

Ion Ratio Lower Upper

180 100

182 94.3 47.4 142.2

145 31.4 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

