

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010319\
 Data File : VU028993.D
 Acq On : 03 Jan 2019 13:29
 Operator : MD/SY
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Quant Time: Jan 04 00:44:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 00:41:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	123870	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	204305	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	191386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	92049	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	31398	20.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.00%	
35) Dibromofluoromethane	4.88	113	26967	20.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.72%	
50) Toluene-d8	7.56	98	105431	20.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.32%	
62) 4-Bromofluorobenzene	10.31	95	36128	19.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.46%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	25144	20.468	ug/l	99
3) Chloromethane	1.33	50	40312	18.337	ug/l	100
4) Vinyl Chloride	1.40	62	37097	20.492	ug/l	98
5) Bromomethane	1.61	94	20871	19.257	ug/l	100
6) Chloroethane	1.69	64	21899	20.309	ug/l	99
7) Trichlorofluoromethane	1.88	101	39688	20.120	ug/l	100
8) Diethyl Ether	2.10	74	19765	20.856	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.28	101	26201	19.851	ug/l	96
10) Methyl Iodide	2.41	142	23618	19.031	ug/l	99
11) Tert butyl alcohol	2.83	59	38492	98.893	ug/l	100
12) 1,1-Dichloroethene	2.28	96	25489	19.840	ug/l	98
13) Acrolein	2.19	56	30156	103.179	ug/l	99
14) Allyl chloride	2.59	41	44330	18.806	ug/l	91
15) Acrylonitrile	2.94	53	99305	103.994	ug/l	99
16) Acetone	2.32	43	100686	104.376	ug/l	100
17) Carbon Disulfide	2.48	76	87316	18.264	ug/l	100
18) Methyl Acetate	2.62	43	45333	20.211	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	90466	20.029	ug/l	99
20) Methylene Chloride	2.70	84	32476	19.829	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	29733	19.920	ug/l	97
22) Diisopropyl ether	3.57	45	96151	20.639	ug/l	99
23) Vinyl Acetate	3.52	43	393275	103.261	ug/l	100
24) 1,1-Dichloroethane	3.44	63	55182	20.519	ug/l	99
25) 2-Butanone	4.26	43	138443	106.258	ug/l	97
26) 2,2-Dichloropropane	4.23	77	45276	20.835	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	33313	20.406	ug/l	99
28) Bromochloromethane	4.55	49	25066	21.767	ug/l	99
29) Tetrahydrofuran	4.64	42	82461	104.351	ug/l	100
30) Chloroform	4.67	83	52763	20.598	ug/l	97
31) Cyclohexane	4.99	56	52773	17.731	ug/l	97
32) 1,1,1-Trichloroethane	4.91	97	43287	20.451	ug/l	99
36) 1,1-Dichloropropene	5.13	75	40476	19.821	ug/l	98
37) Ethyl Acetate	4.38	43	46954	20.116	ug/l	99
38) Carbon Tetrachloride	5.13	117	34464	20.235	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	49031	19.530	ug/l	97
40) Benzene	5.39	78	128540	20.179	ug/l	99
41) Methacrylonitrile	4.54	41	25032	20.862	ug/l	99
42) 1,2-Dichloroethane	5.40	62	40102	20.951	ug/l	99
43) Isopropyl Acetate	5.55	43	71644	20.836	ug/l	99
44) Trichloroethene	6.19	130	31764	20.126	ug/l	95
45) 1,2-Dichloropropane	6.43	63	34303	20.392	ug/l	100
46) Dibromomethane	6.56	93	22129	20.579	ug/l	99
47) Bromodichloromethane	6.76	83	40124	20.266	ug/l	99
48) Methyl methacrylate	6.62	41	34622	20.678	ug/l	98
49) 1,4-Dioxane	6.61	88	16470	415.085	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	239515	102.351	ug/l	100
52) Toluene	7.64	92	78924	20.353	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	46335	19.482	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	52052	20.254	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	32363	20.832	ug/l	98
56) Ethyl methacrylate	8.02	69	47435	19.819	ug/l	97
57) 1,3-Dichloropropane	8.24	76	55478	20.870	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	107613	102.239	ug/l	98
59) 2-Hexanone	8.36	43	187409	102.024	ug/l	100
60) Dibromochloromethane	8.48	129	30621	19.895	ug/l	97
61) 1,2-Dibromoethane	8.58	107	34372	20.400	ug/l	98
64) Tetrachloroethene	8.22	164	28111	20.390	ug/l	98
65) Chlorobenzene	9.12	112	85038	19.822	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	28294	20.323	ug/l	99
67) Ethyl Benzene	9.25	91	142084	19.838	ug/l	99
68) m/p-Xylenes	9.37	106	111658	40.122	ug/l	97
69) o-Xylene	9.78	106	53181	19.833	ug/l	100
70) Styrene	9.79	104	86836	19.754	ug/l	100
71) Bromoform	9.95	173	24598	19.843	ug/l #	98
73) Isopropylbenzene	10.16	105	137719	20.213	ug/l	100
74) N-amyl acetate	10.01	43	58928	20.071	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	55144	20.194	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	63417	27.146	ug/l	86
77) Bromobenzene	10.45	156	35670	20.090	ug/l	98
78) n-propylbenzene	10.58	91	162908	20.289	ug/l	100
79) 2-Chlorotoluene	10.66	91	96694	19.852	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	115504	20.301	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	63417	56.951	ug/l #	100
82) 4-Chlorotoluene	10.77	91	108993	19.515	ug/l	99
83) tert-Butylbenzene	11.10	119	112826	20.119	ug/l	100
84) 1,2,4-Trimethylbenzene	11.14	105	117901	20.755	ug/l	100
85) sec-Butylbenzene	11.32	105	137586	20.287	ug/l	99
86) p-Isopropyltoluene	11.47	119	116146	20.097	ug/l	100
87) 1,3-Dichlorobenzene	11.41	146	63451	19.483	ug/l	100
88) 1,4-Dichlorobenzene	11.50	146	64605	19.218	ug/l	99
89) n-Butylbenzene	11.89	91	100912	19.564	ug/l	100
90) Hexachloroethane	12.14	117	18588	19.119	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	63537	19.370	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10698	20.369	ug/l	98

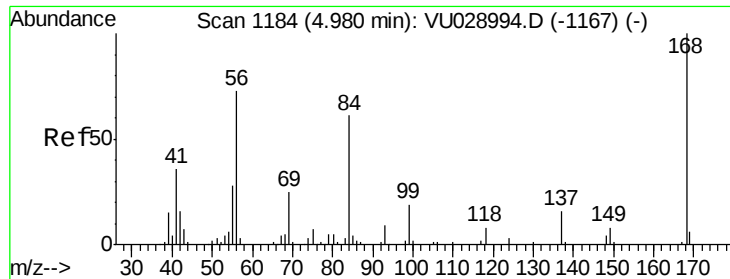
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	39376	18.805	ug/l	99
94) Hexachlorobutadiene	13.69	225	18440	19.253	ug/l	97
95) Naphthalene	13.74	128	131086	18.403	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	41198	18.504	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU028993.D

Acq: 03 Jan 2019 13:29

Instrument :

MSVOA_U

ClientSampleId :

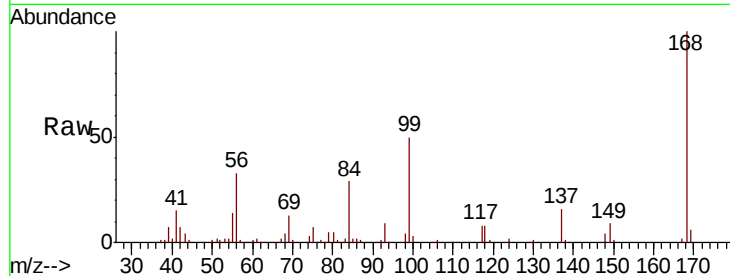
VSTDIC020

Tgt Ion:168 Resp: 123870

Ion Ratio Lower Upper

168 100

99 50.0 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU028993.D (-1091) (-)

Ion 98.90 (98.60 to 99.60): VU028993.D (-1091) (-)

4.98

60000

50000

40000

30000

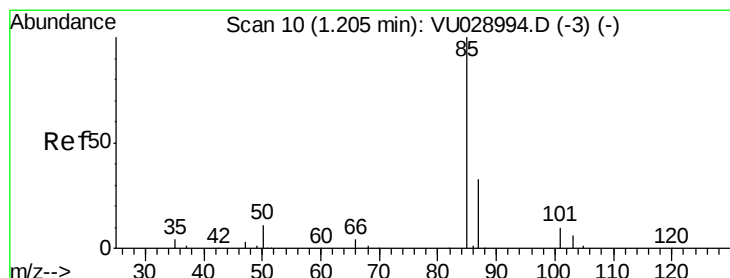
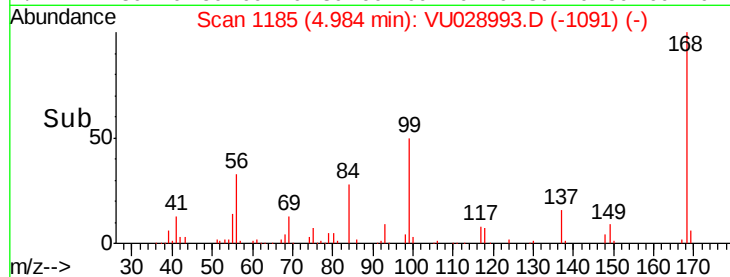
20000

10000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.468 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028993.D

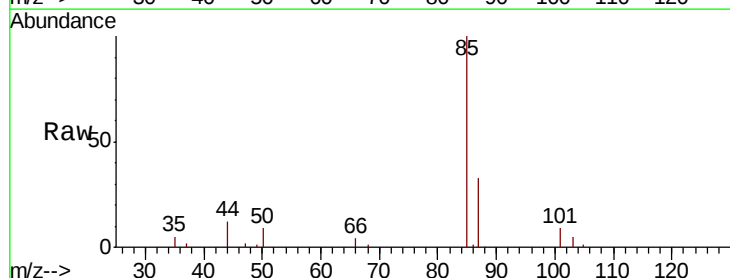
Acq: 03 Jan 2019 13:29

Tgt Ion: 85 Resp: 25144

Ion Ratio Lower Upper

85 100

87 33.1 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VU028993.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU028993.D (-1) (-)

1.21

30000

25000

20000

15000

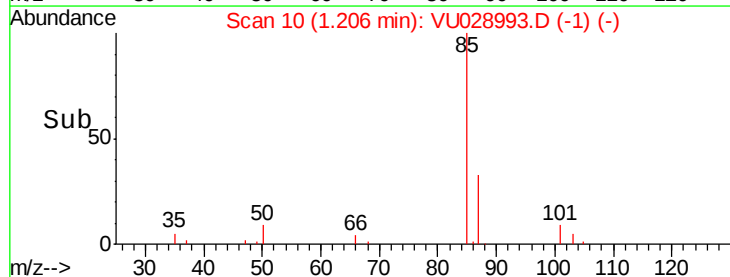
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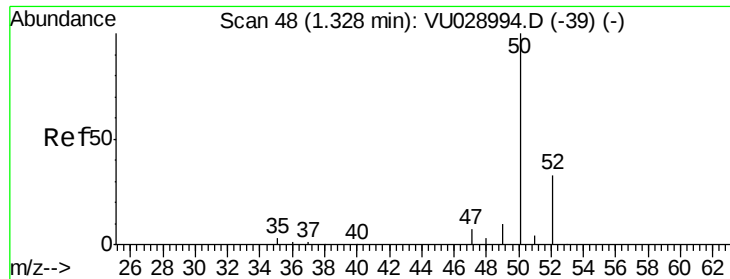
5000

0

1.20 1.25

Time-->





#3

Chloromethane

Concen: 18.337 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028993.D

Acq: 03 Jan 2019 13:29

Instrument :

MSVOA_U

ClientSampleId :

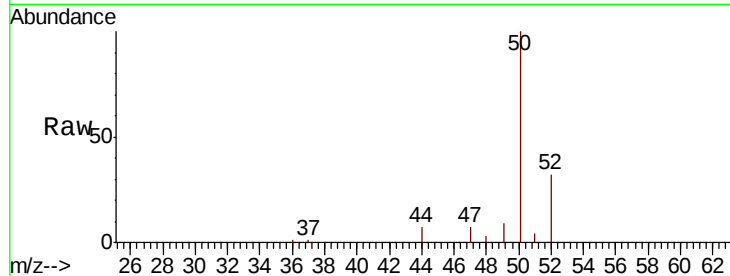
VSTDIC020

Tgt Ion: 50 Resp: 40312

Ion Ratio Lower Upper

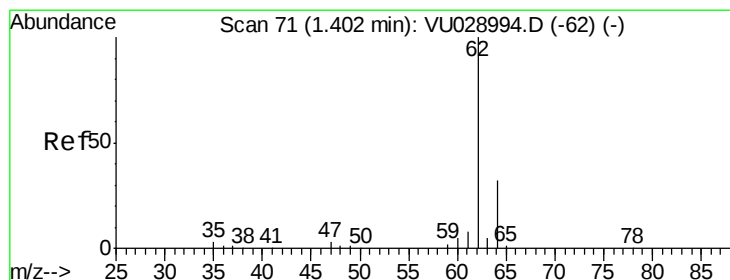
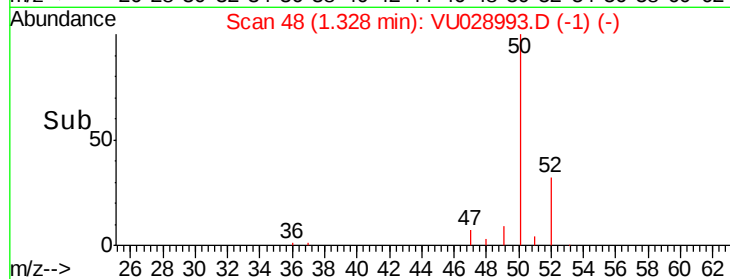
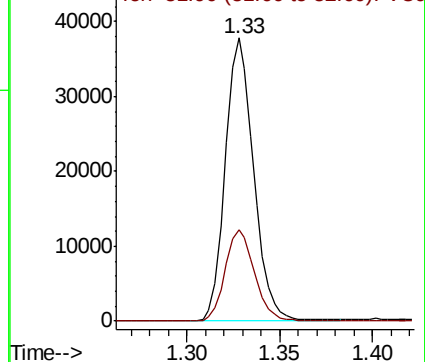
50 100

52 32.5 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 20.492 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028993.D

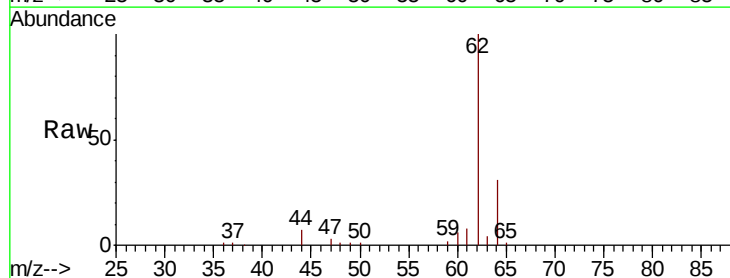
Acq: 03 Jan 2019 13:29

Tgt Ion: 62 Resp: 37097

Ion Ratio Lower Upper

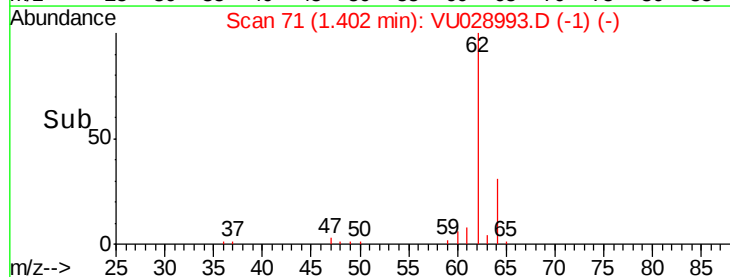
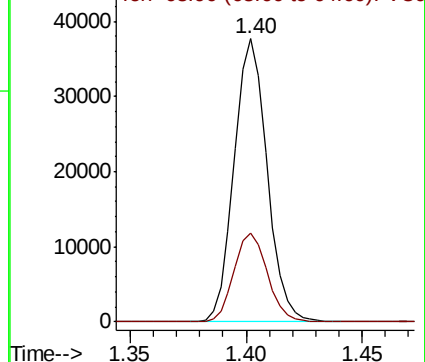
62 100

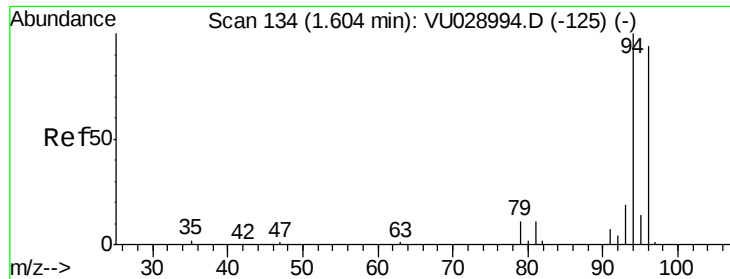
64 31.5 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

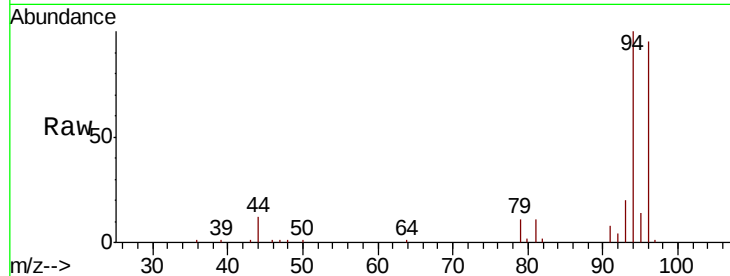




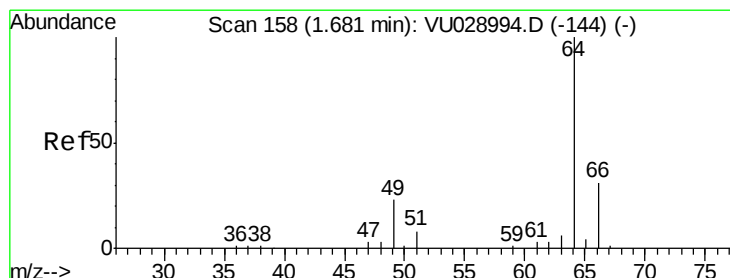
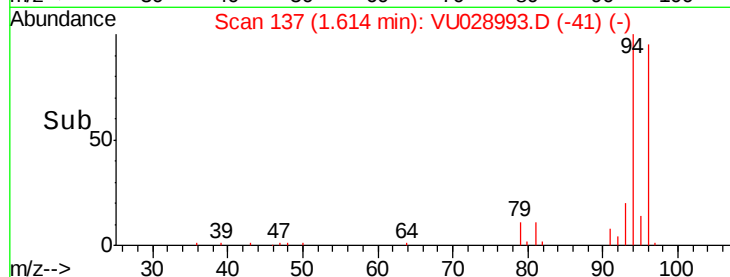
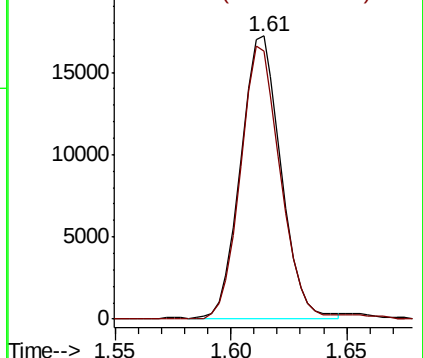
#5
 Bromomethane
 Concen: 19.257 ug/l
 RT: 1.61 min Scan# 137
 Delta R.T. 0.01 min
 Lab File: VU028993.D
 Acq: 03 Jan 2019 13:29

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Tgt Ion: 94 Resp: 20871
 Ion Ratio Lower Upper
 94 100
 96 94.6 75.5 113.3

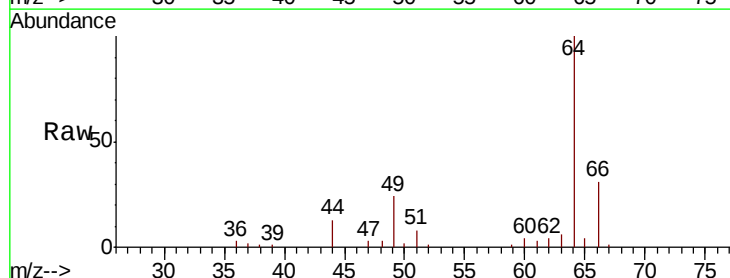


Abundance Ion 93.90 (93.60 to 94.60): VU0
 Ion 95.90 (95.60 to 96.60): VU0

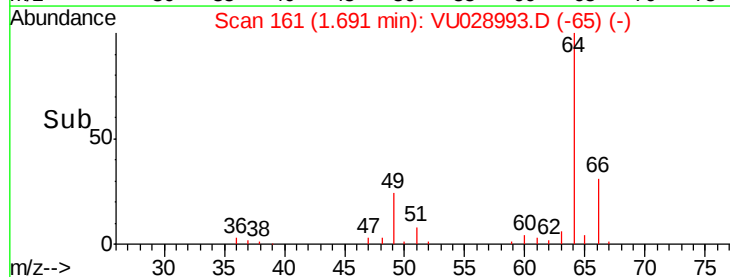
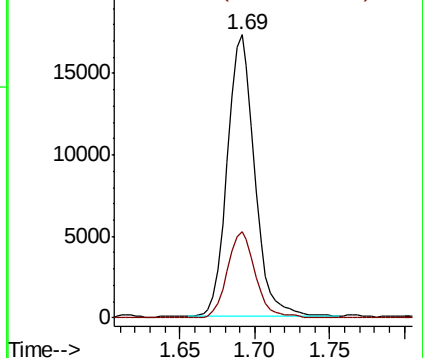


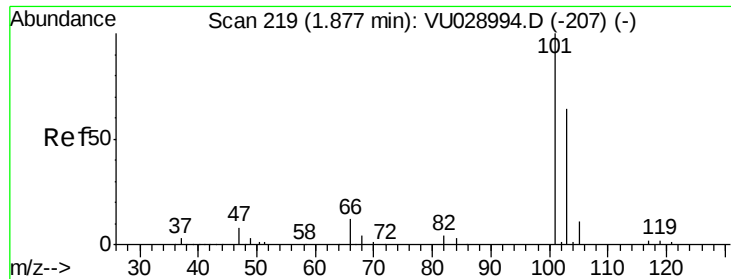
#6
 Chloroethane
 Concen: 20.309 ug/l
 RT: 1.69 min Scan# 161
 Delta R.T. 0.01 min
 Lab File: VU028993.D
 Acq: 03 Jan 2019 13:29

Tgt Ion: 64 Resp: 21899
 Ion Ratio Lower Upper
 64 100
 66 30.9 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VU0
 Ion 65.90 (65.60 to 66.60): VU0



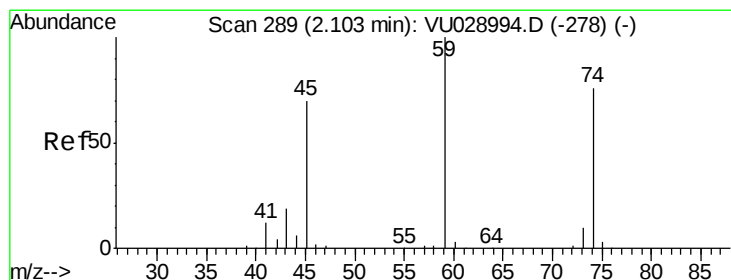
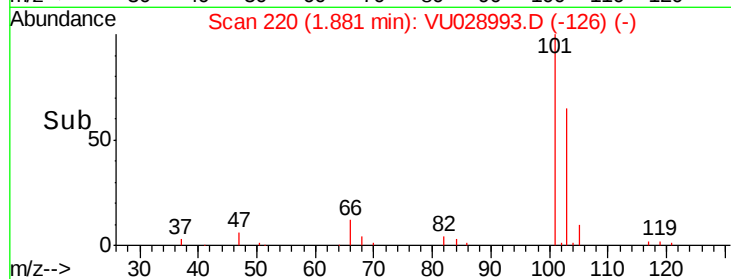
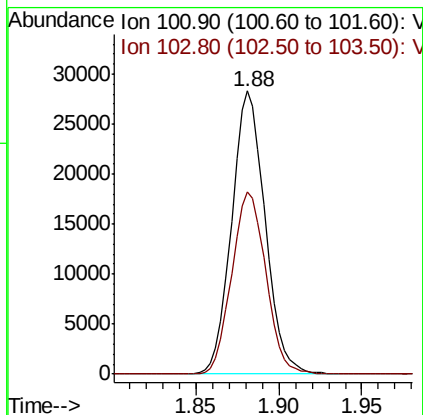
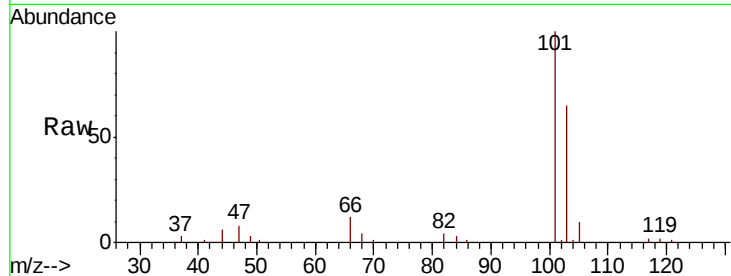


#7

Trichlorofluoromethane
 Concen: 20.120 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VU028993.D
 Acq: 03 Jan 2019 13:29

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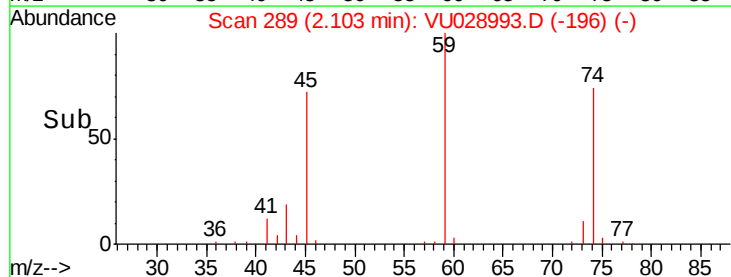
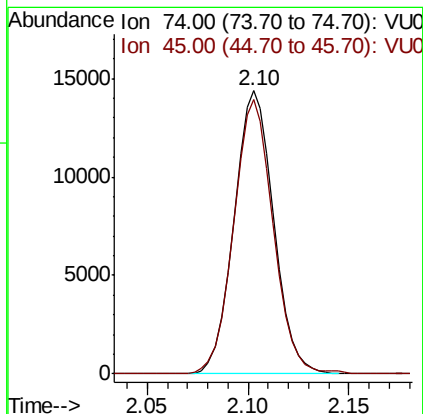
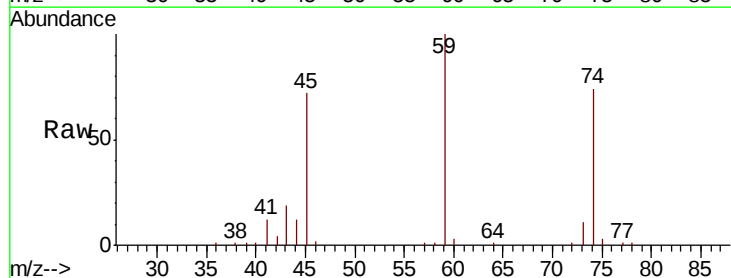
Tgt Ion: 101 Resp: 39688
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.5 77.3

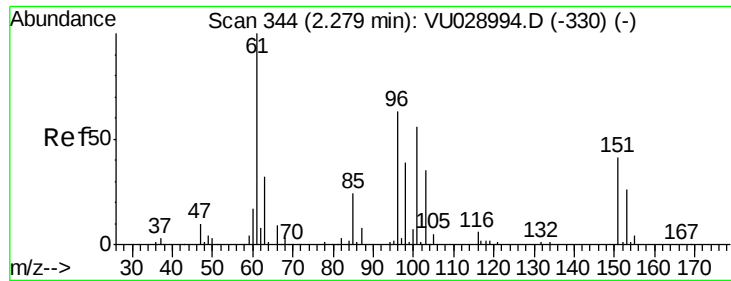


#8

Diethyl Ether
 Concen: 20.856 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VU028993.D
 Acq: 03 Jan 2019 13:29

Tgt Ion: 74 Resp: 19765
 Ion Ratio Lower Upper
 74 100
 45 97.0 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.851 ug/l

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU028993.D

Acq: 03 Jan 2019 13:29

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

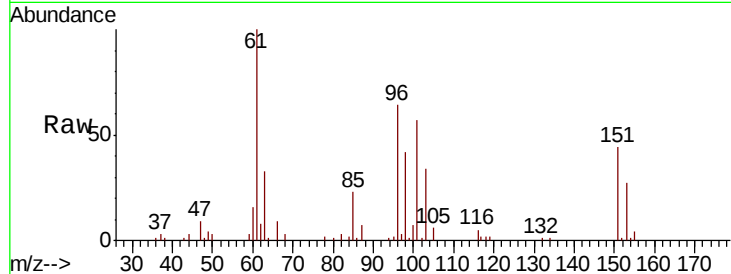
Tgt Ion:101 Resp: 26201

Ion Ratio Lower Upper

101 100

85 41.3 35.1 52.7

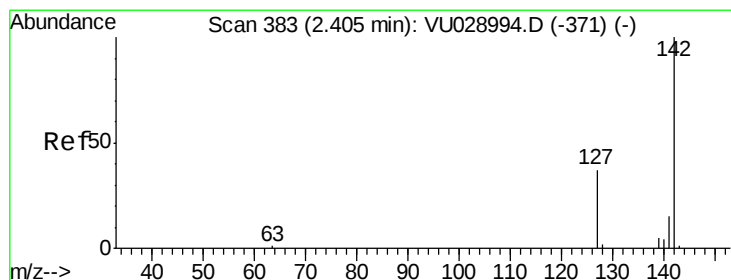
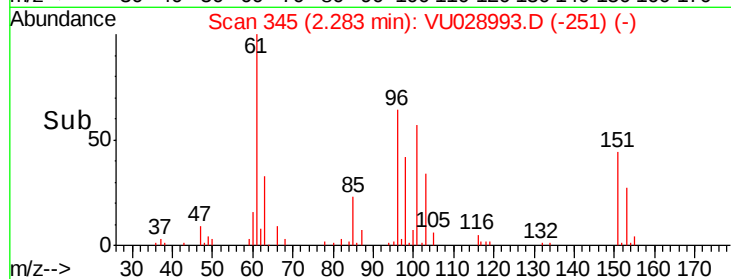
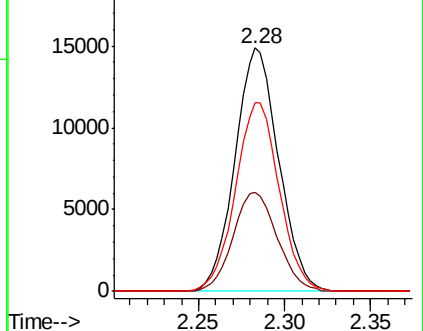
151 78.0 60.2 90.2



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: 19.031 ug/l

RT: 2.41 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU028993.D

Acq: 03 Jan 2019 13:29

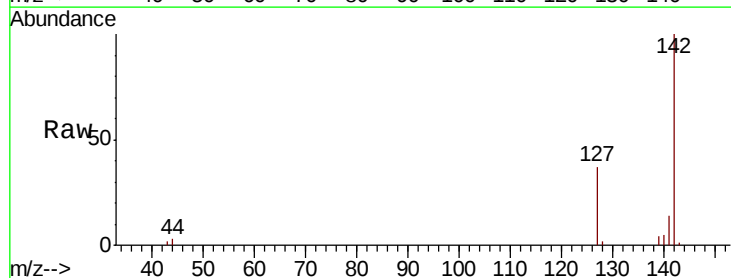
Tgt Ion:142 Resp: 23618

Ion Ratio Lower Upper

142 100

127 37.8 29.8 44.6

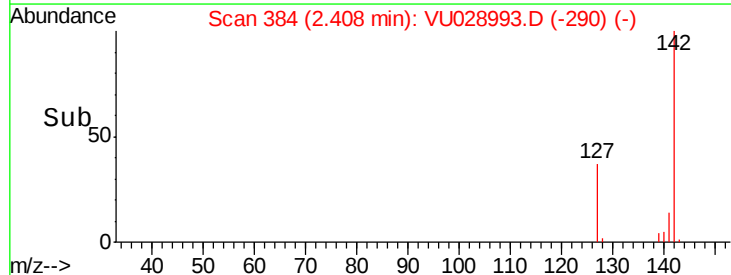
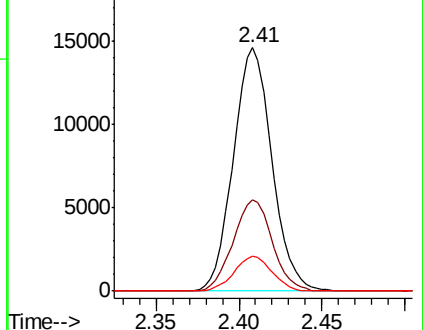
141 14.0 11.5 17.3



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



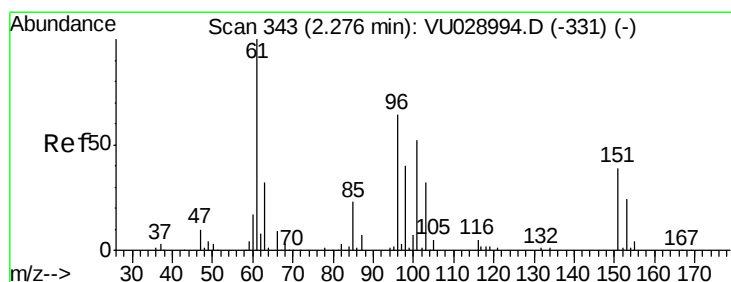
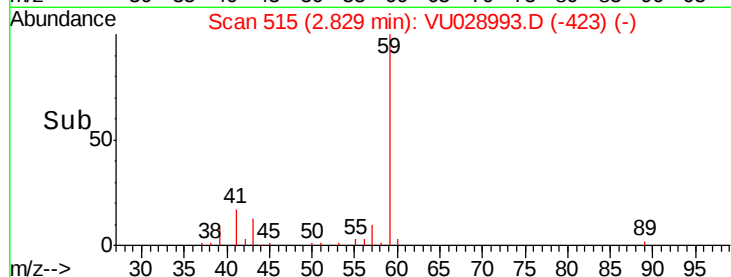
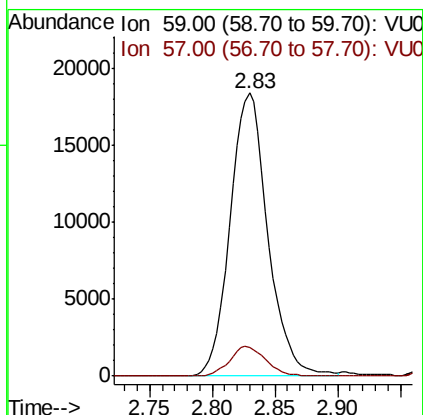
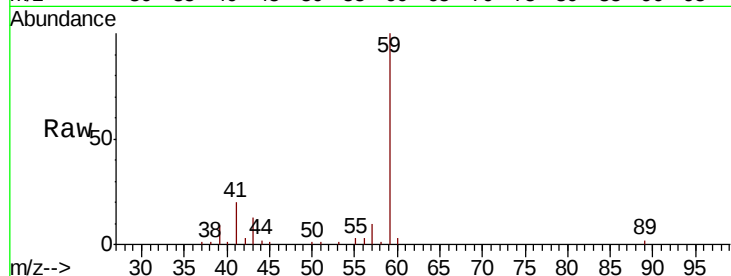


#11

Tert butyl alcohol
 Concen: 98.893 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. -0.00 min
 Lab File: VU028993.D
 Acq: 03 Jan 2019 13:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

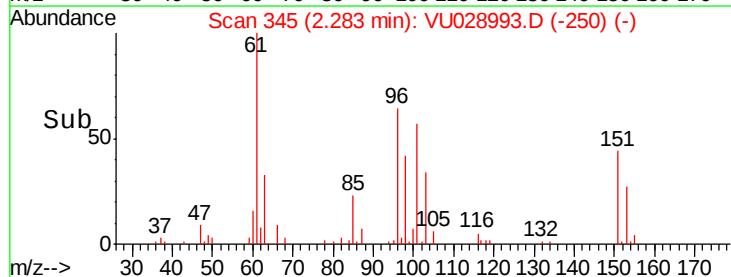
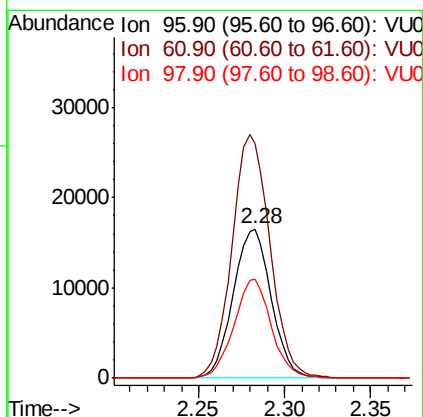
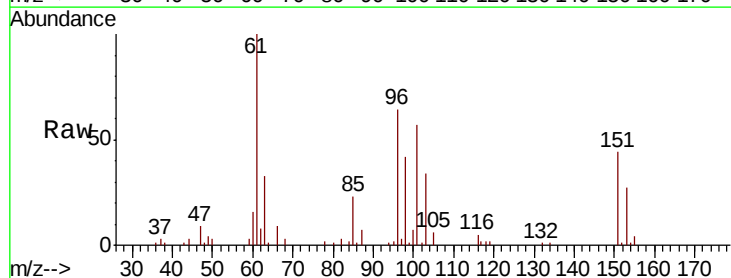
Tgt Ion: 59 Resp: 38492
 Ion Ratio Lower Upper
 59 100
 57 9.9 7.9 11.9

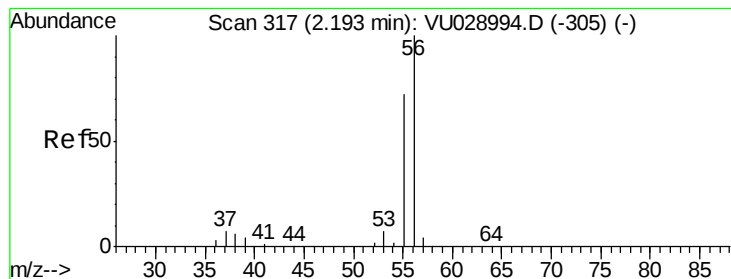


#12

1,1-Dichloroethene
 Concen: 19.840 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.01 min
 Lab File: VU028993.D
 Acq: 03 Jan 2019 13:29

Tgt Ion: 96 Resp: 25489
 Ion Ratio Lower Upper
 96 100
 61 157.4 125.4 188.0
 98 66.2 49.7 74.5





#13

Acrolein

Concen: 103.179 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU028993.D

Acq: 03 Jan 2019 13:29

Instrument :

MSVOA_U

ClientSampleId :

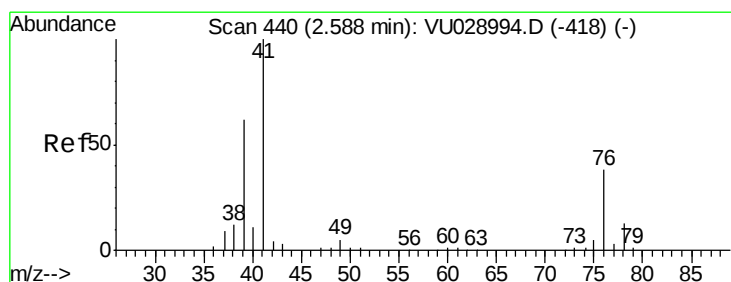
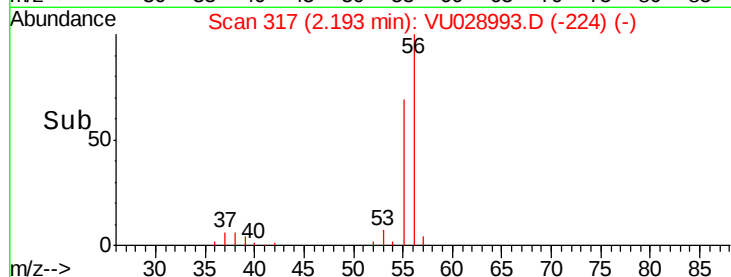
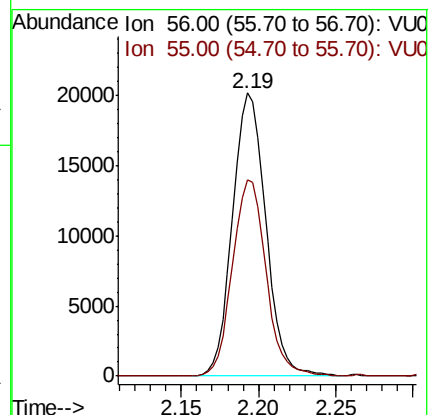
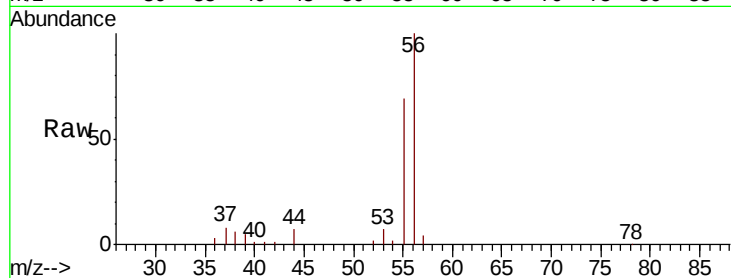
VSTDIC020

Tgt Ion: 56 Resp: 30156

Ion Ratio Lower Upper

56 100

55 69.9 56.5 84.7



#14

Allyl chloride

Concen: 18.806 ug/l

RT: 2.59 min Scan# 440

Delta R.T. 0.00 min

Lab File: VU028993.D

Acq: 03 Jan 2019 13:29

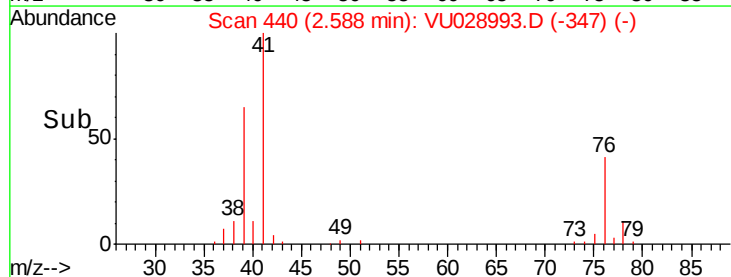
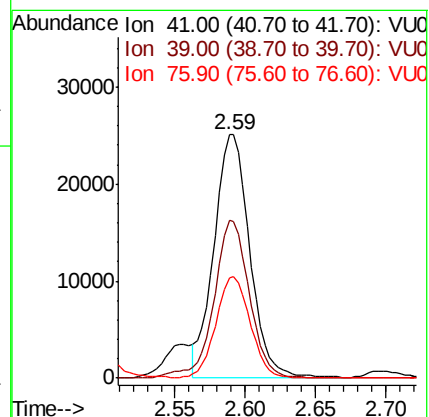
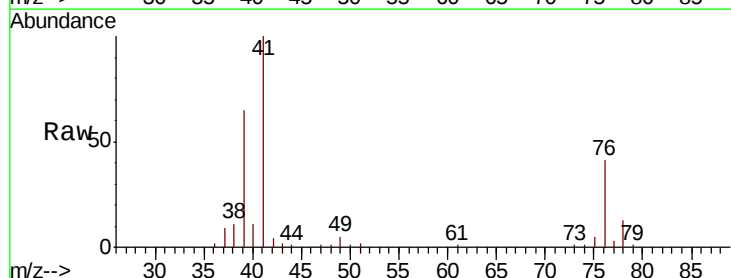
Tgt Ion: 41 Resp: 44330

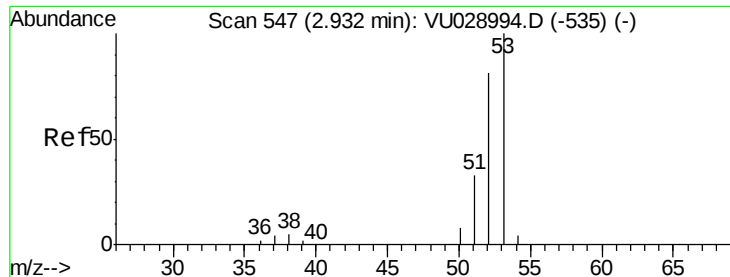
Ion Ratio Lower Upper

41 100

39 63.8 45.0 67.6

76 39.8 28.1 42.1





#15

Acrylonitrile

Concen: 103.994 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028993.D

Acq: 03 Jan 2019 13:29

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

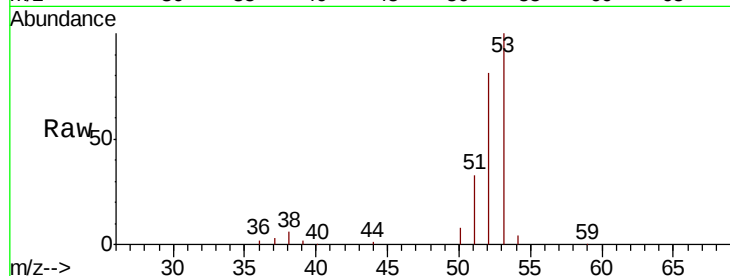
Tgt Ion: 53 Resp: 99305

Ion Ratio Lower Upper

53 100

52 80.8 64.8 97.2

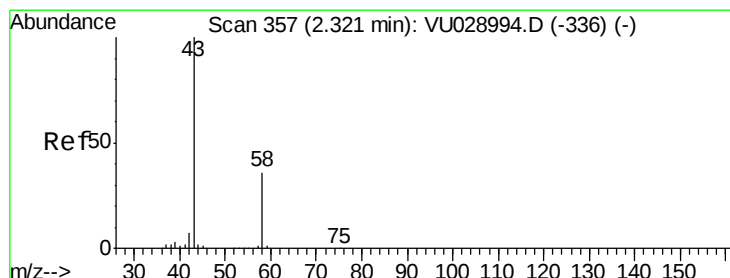
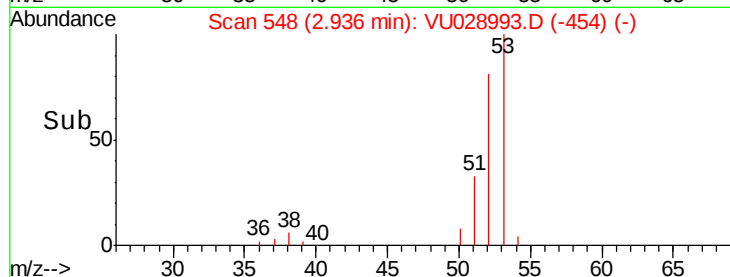
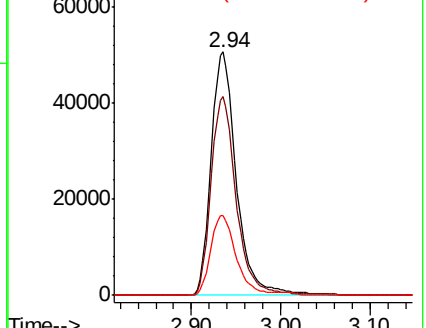
51 33.1 27.3 40.9



Abundance Ion 53.00 (52.70 to 53.70): VU028993.D (-535) (-)

Ion 52.00 (51.70 to 52.70): VU028993.D (-535) (-)

Ion 51.00 (50.70 to 51.70): VU028993.D (-535) (-)



#16

Acetone

Concen: 104.376 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU028993.D

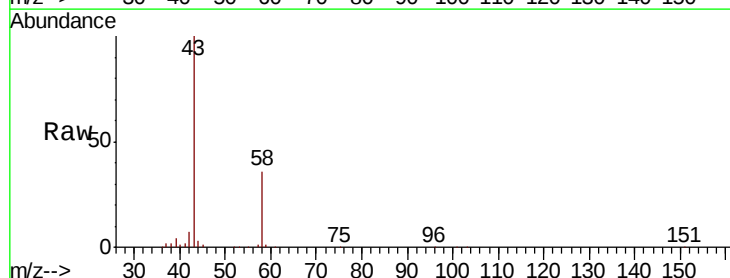
Acq: 03 Jan 2019 13:29

Tgt Ion: 43 Resp: 100686

Ion Ratio Lower Upper

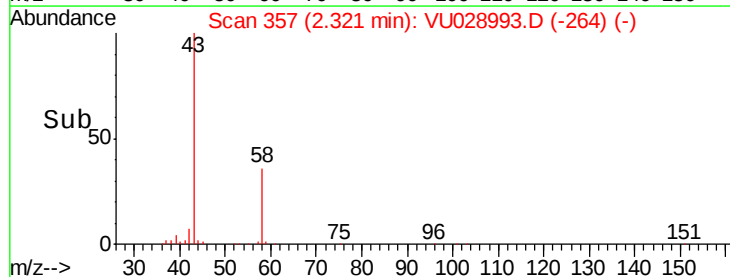
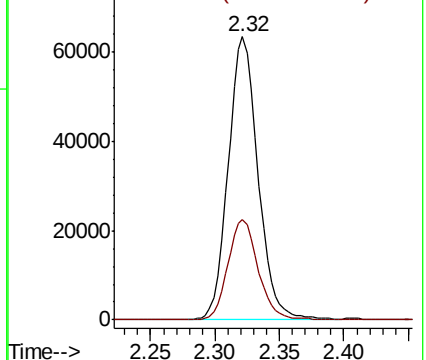
43 100

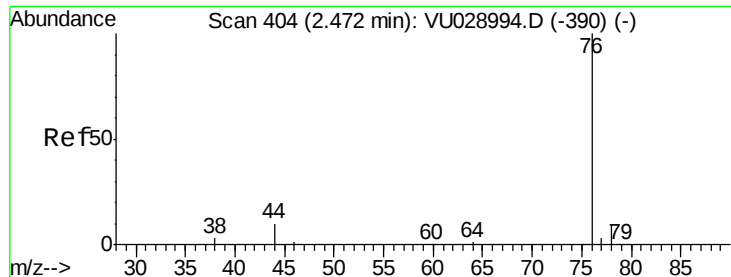
58 35.6 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VU028993.D (-264) (-)

Ion 58.00 (57.70 to 58.70): VU028993.D (-264) (-)





#17

Carbon Disulfide

Concen: 18.264 ug/l

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU028993.D

Acq: 03 Jan 2019 13:29

Instrument :

MSVOA_U

ClientSampleId :

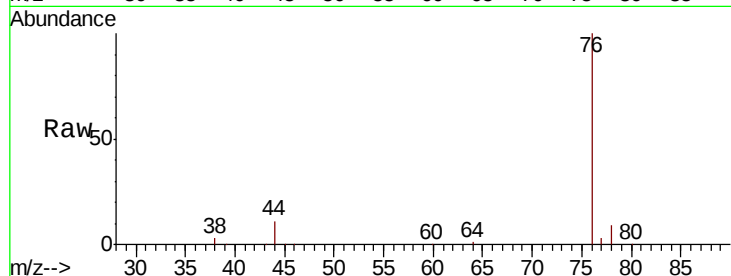
VSTDIC020

Tgt Ion: 76 Resp: 87316

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VU028993.D (-311) (-)

Ion 77.90 (77.60 to 78.60): VU028993.D (-311) (-)

2.48

60000

50000

40000

30000

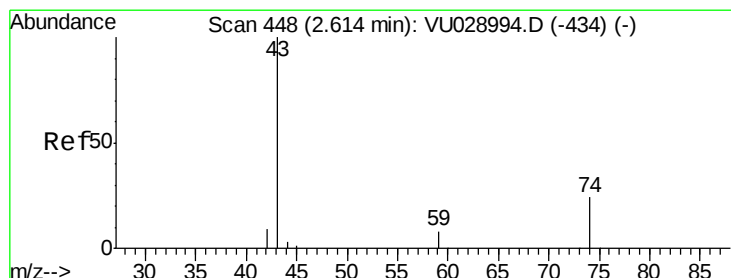
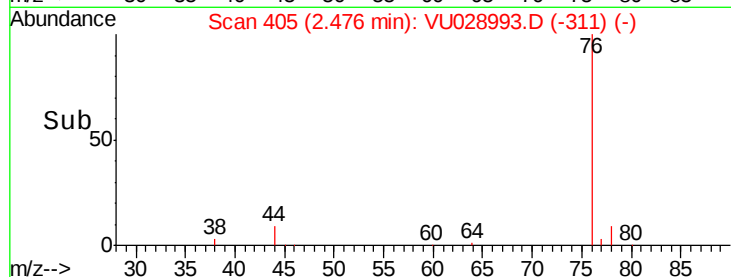
20000

10000

0

Time-->

2.40 2.45 2.50 2.55



#18

Methyl Acetate

Concen: 20.211 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU028993.D

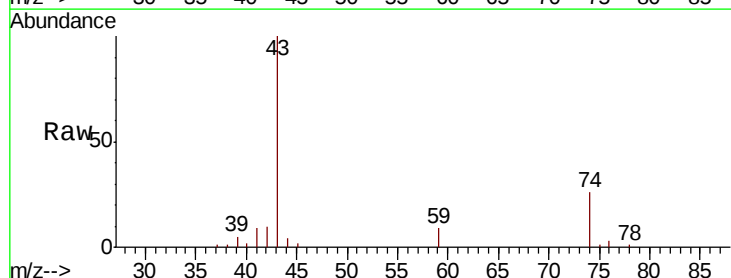
Acq: 03 Jan 2019 13:29

Tgt Ion: 43 Resp: 45333

Ion Ratio Lower Upper

43 100

74 24.8 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VU028993.D (-355) (-)

Ion 74.00 (73.70 to 74.70): VU028993.D (-355) (-)

2.62

30000

25000

20000

15000

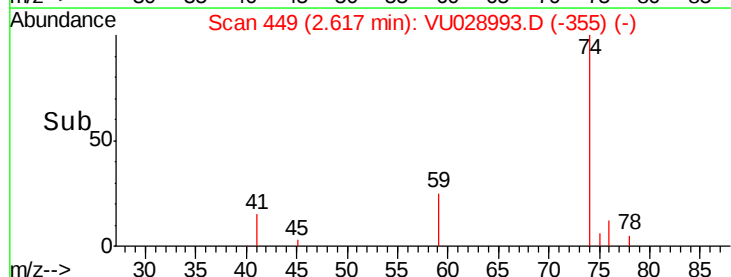
10000

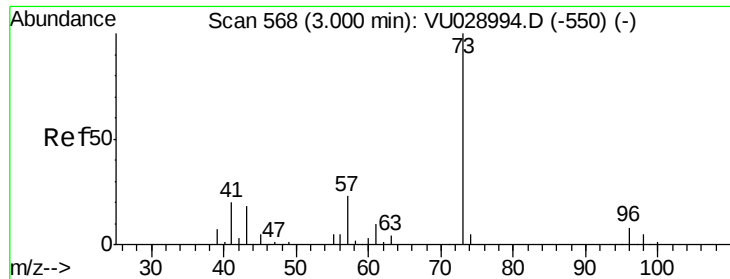
5000

0

Time-->

2.55 2.60 2.65 2.70 2.75

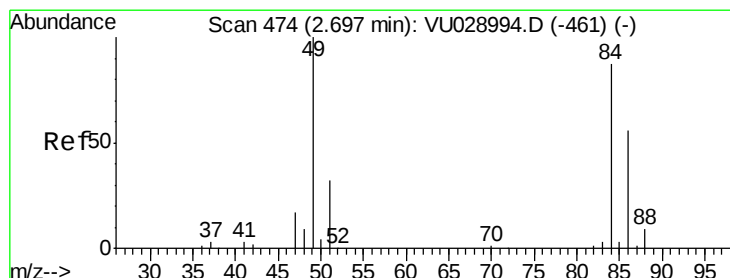
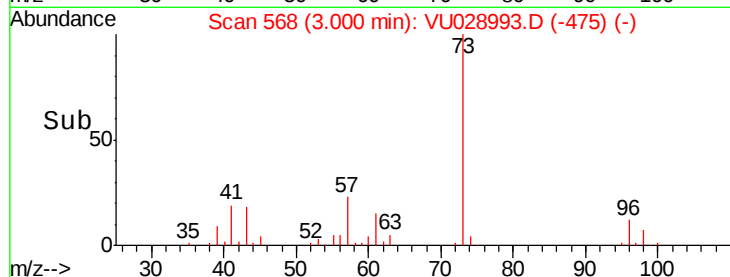
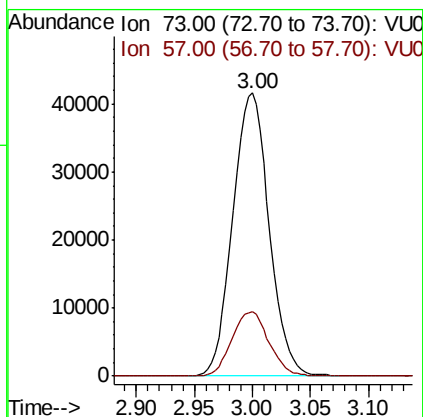
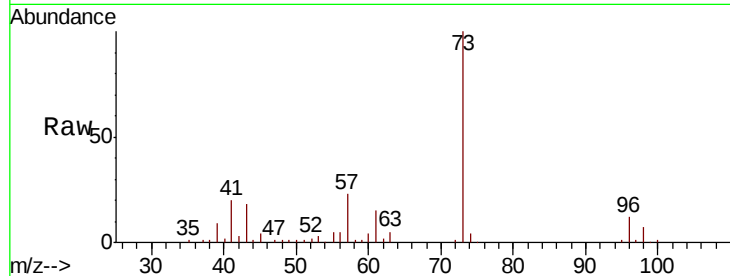




#19
Methyl tert-butyl Ether
Concen: 20.029 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU028993.D
Acq: 03 Jan 2019 13:29

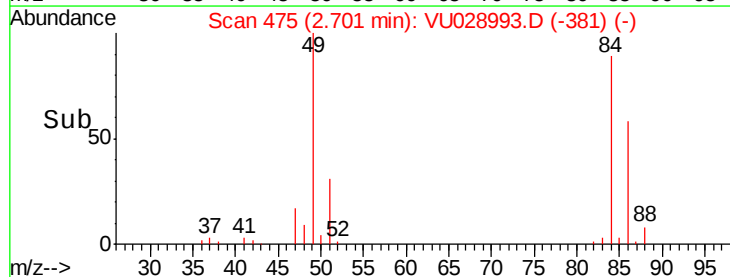
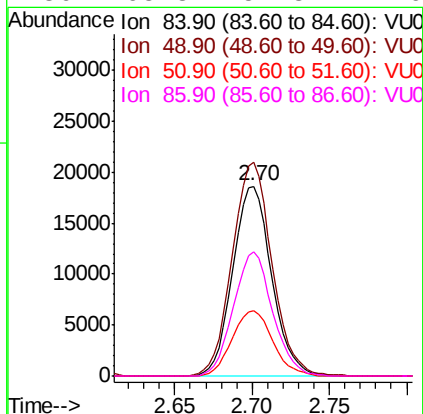
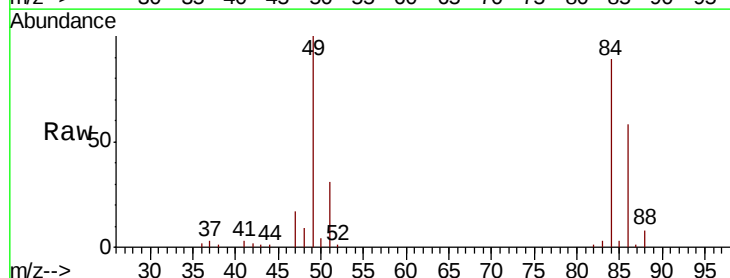
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

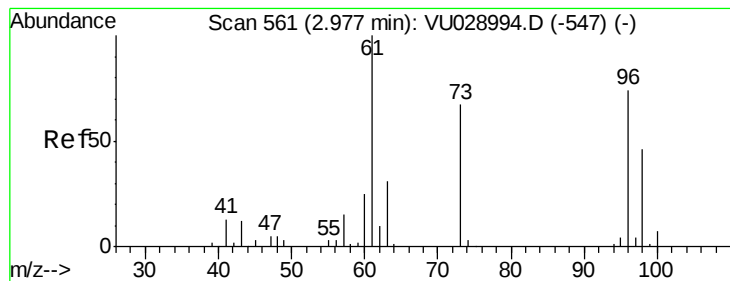
Tgt Ion: 73 Resp: 90466
Ion Ratio Lower Upper
73 100
57 22.9 18.6 28.0



#20
Methylene Chloride
Concen: 19.829 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028993.D
Acq: 03 Jan 2019 13:29

Tgt Ion: 84 Resp: 32476
Ion Ratio Lower Upper
84 100
49 112.6 91.9 137.9
51 34.5 29.2 43.8
86 65.8 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.920 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU028993.D

Acq: 03 Jan 2019 13:29

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

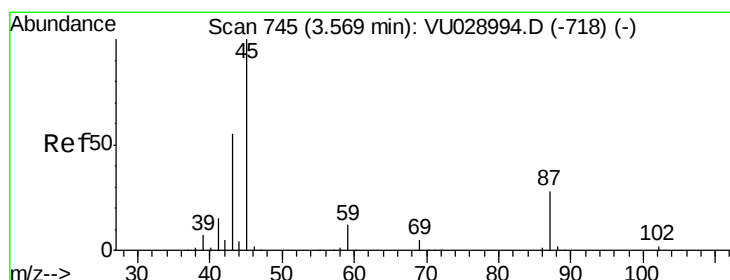
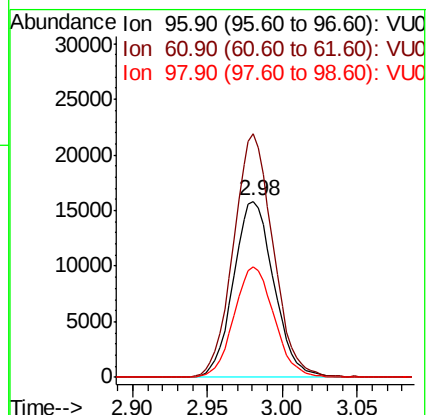
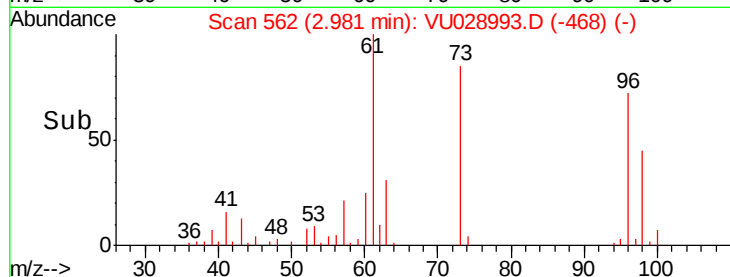
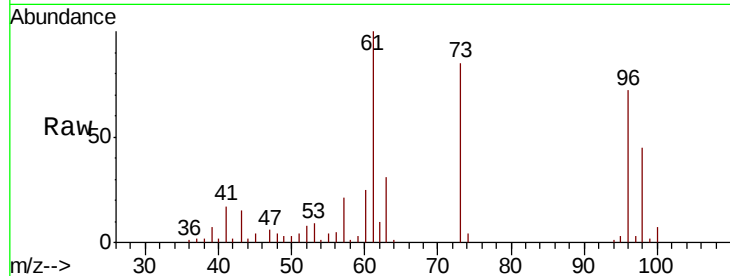
Tgt Ion: 96 Resp: 29733

Ion Ratio Lower Upper

96 100

61 138.2 107.7 161.5

98 62.9 49.2 73.8



#22

Diisopropyl ether

Concen: 20.639 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU028993.D

Acq: 03 Jan 2019 13:29

Tgt Ion: 45 Resp: 96151

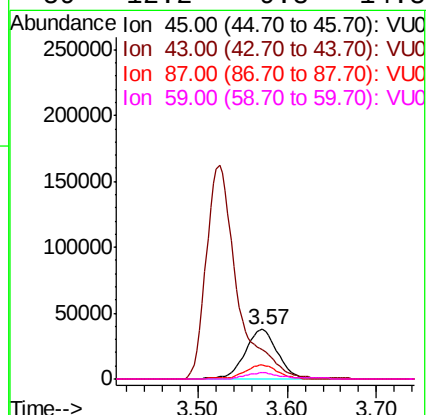
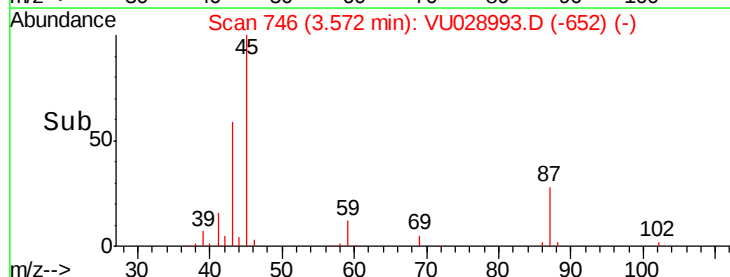
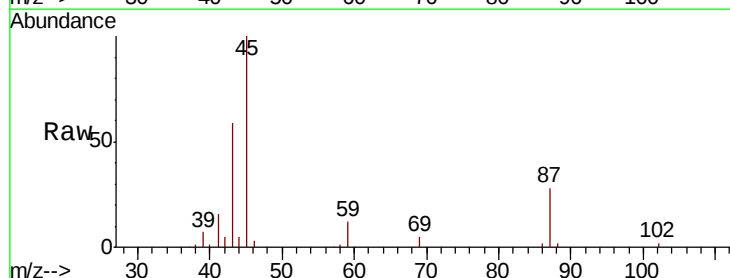
Ion Ratio Lower Upper

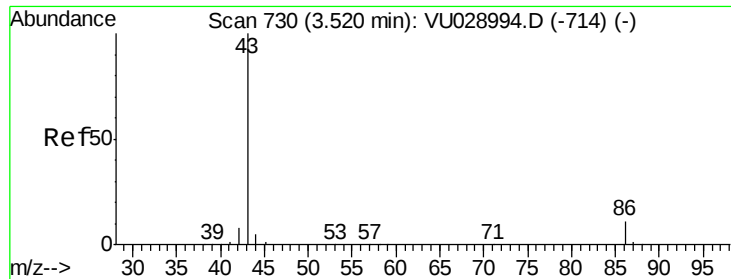
45 100

43 57.3 44.7 67.1

87 28.1 22.2 33.2

59 12.2 9.8 14.8

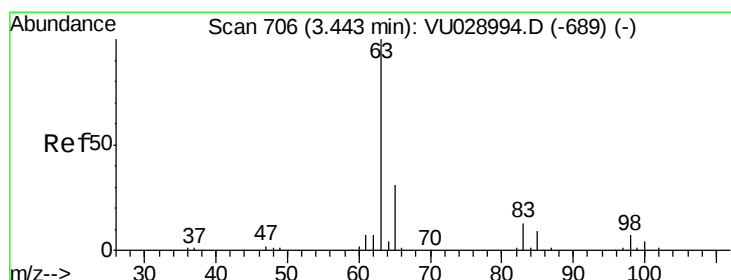
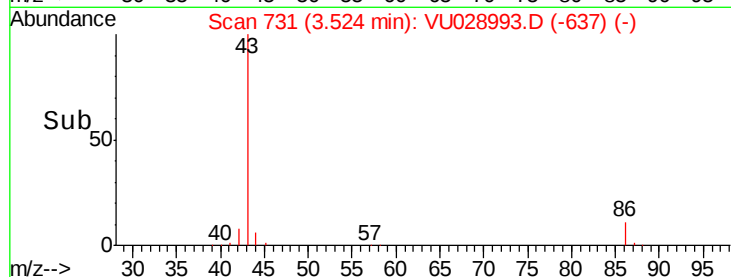
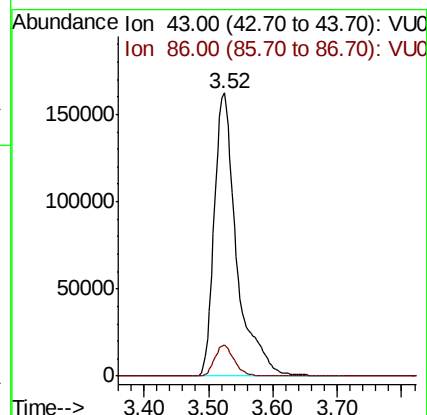
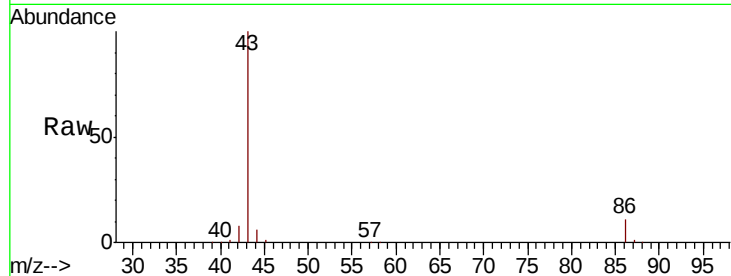




#23
 Vinyl Acetate
 Concen: 103.261 ug/l
 RT: 3.52 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU028993.D
 Acq: 03 Jan 2019 13:29

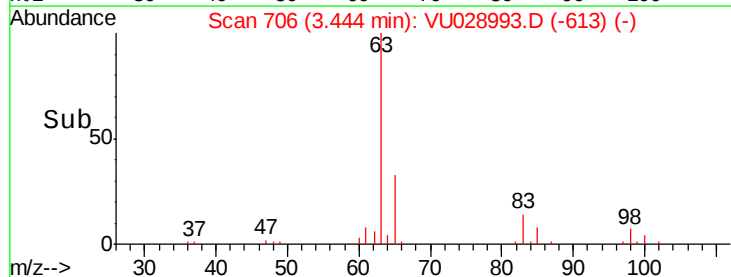
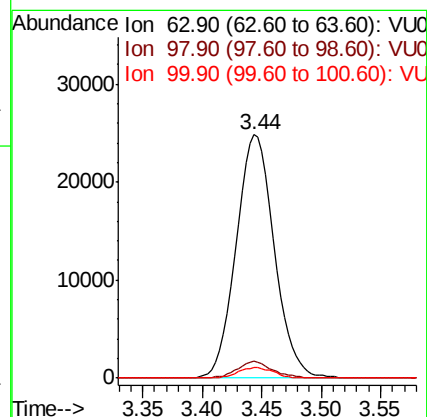
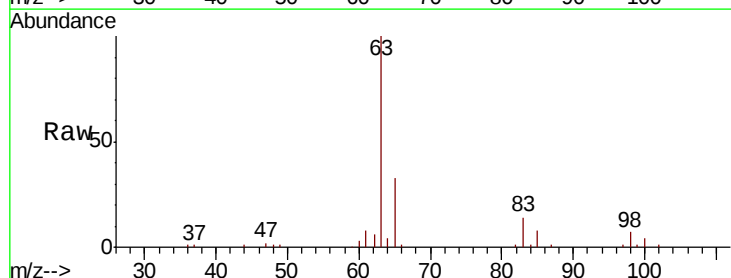
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

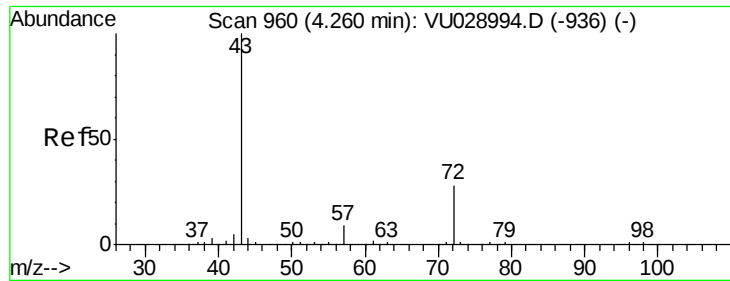
Tgt Ion: 43 Resp: 393275
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 20.519 ug/l
 RT: 3.44 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VU028993.D
 Acq: 03 Jan 2019 13:29

Tgt Ion: 63 Resp: 55182
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.4 10.1
 100 4.2 2.0 5.8





#25

2-Butanone

Concen: 106.258 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU028993.D

Acq: 03 Jan 2019 13:29

Instrument :

MSVOA_U

ClientSampleId :

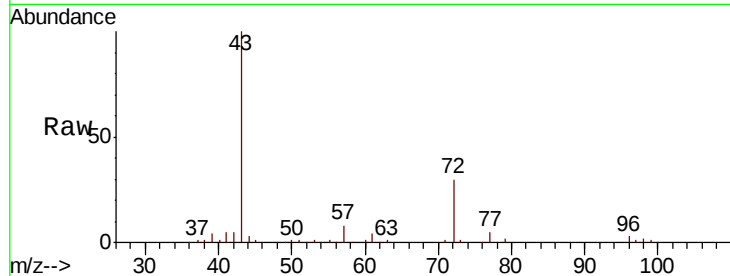
VSTDIC020

Tgt Ion: 43 Resp: 138443

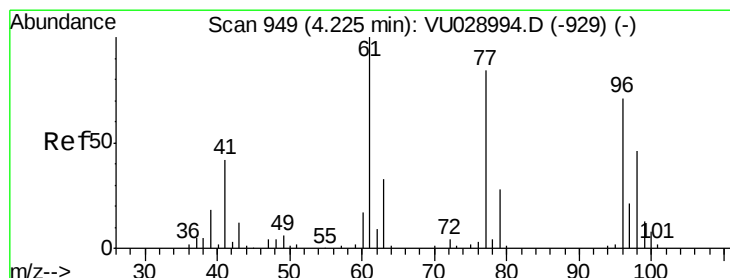
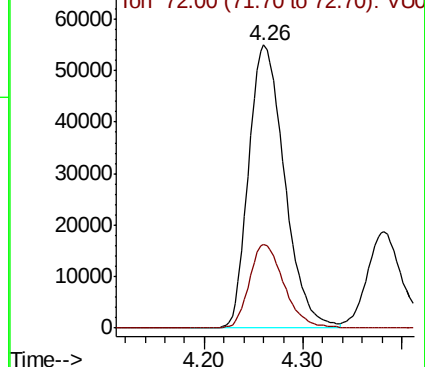
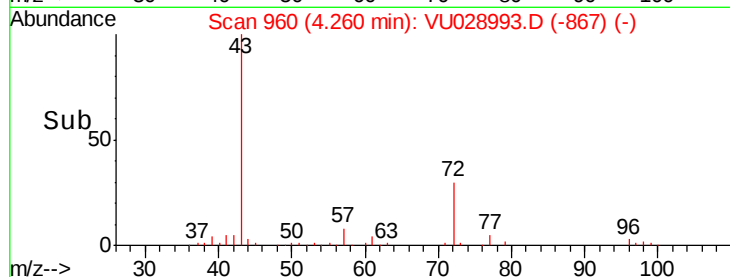
Ion Ratio Lower Upper

43 100

72 29.6 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VU028993.D (-867) (-)



#26

2,2-Dichloropropane

Concen: 20.835 ug/l

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU028993.D

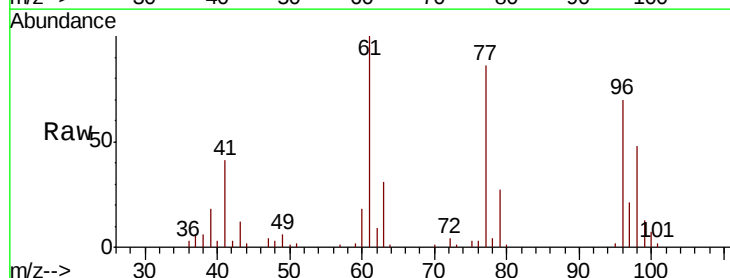
Acq: 03 Jan 2019 13:29

Tgt Ion: 77 Resp: 45276

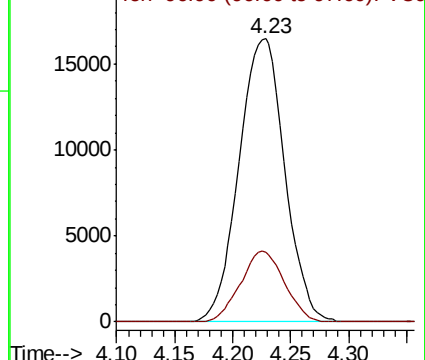
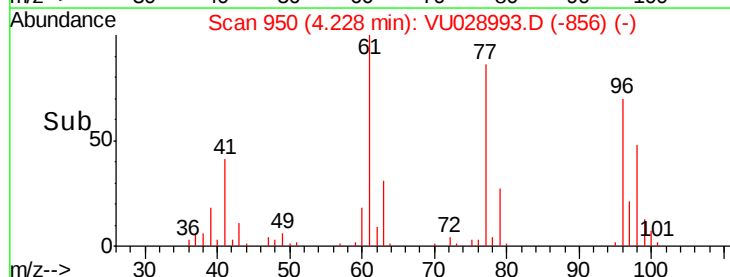
Ion Ratio Lower Upper

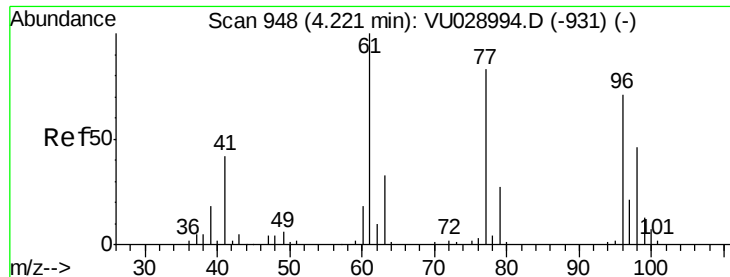
77 100

97 23.9 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VU028993.D (-856) (-)



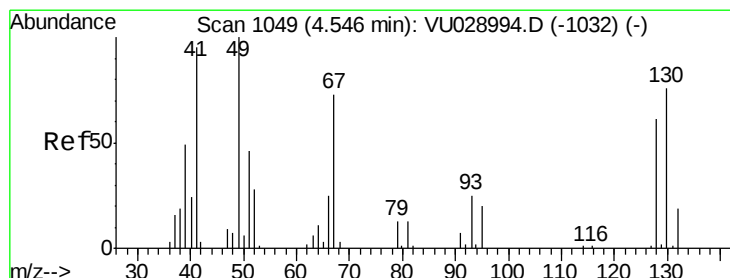
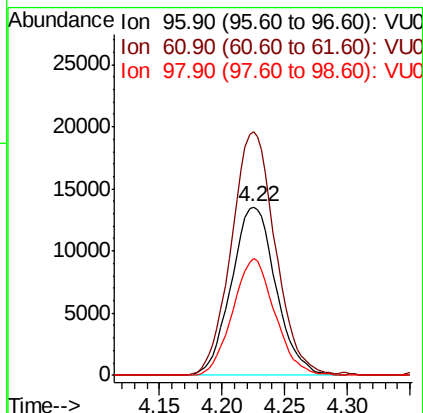
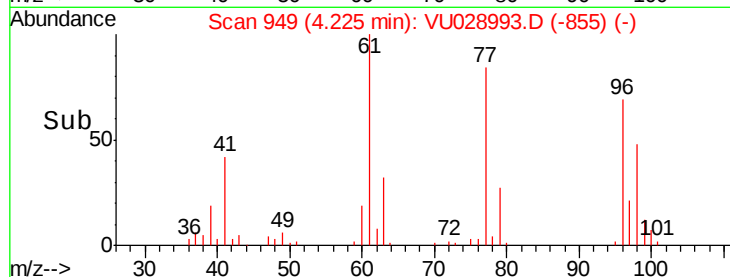
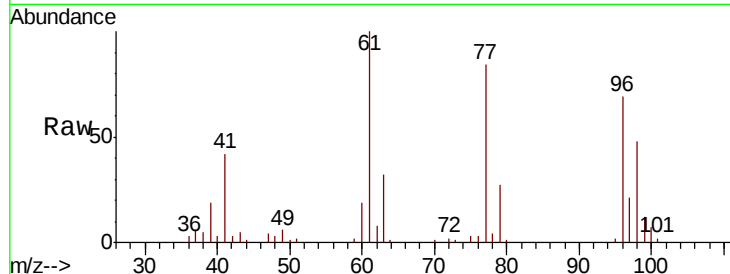


#27

cis-1,2-Dichloroethene
Concen: 20.406 ug/l
RT: 4.22 min Scan# 949
Delta R.T. 0.00 min
Lab File: VU028993.D
Acq: 03 Jan 2019 13:29

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

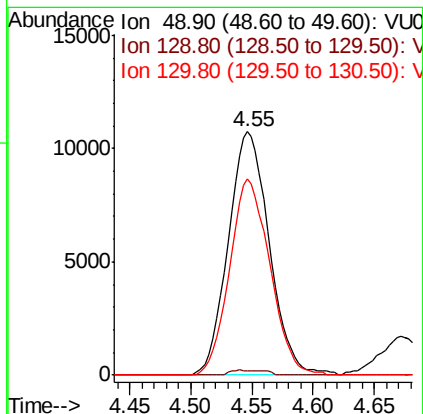
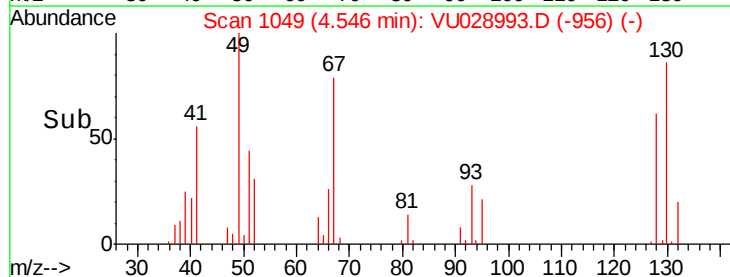
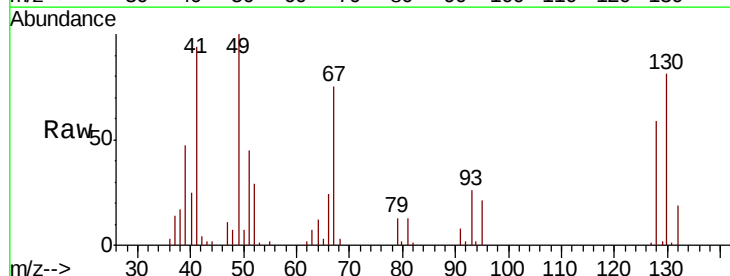
Tgt Ion: 96 Resp: 33313
Ion Ratio Lower Upper
96 100
61 143.2 0.0 285.6
98 65.8 0.0 130.2

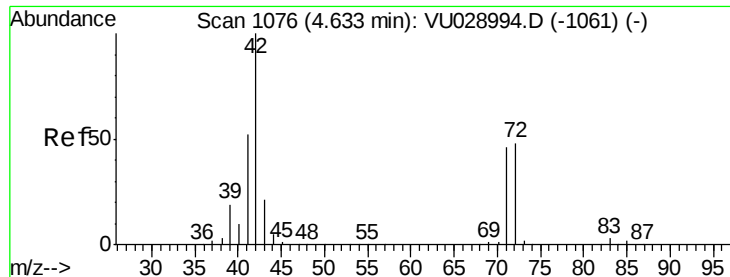


#28

Bromochloromethane
Concen: 21.767 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU028993.D
Acq: 03 Jan 2019 13:29

Tgt Ion: 49 Resp: 25066
Ion Ratio Lower Upper
49 100
129 1.0 0.0 3.4
130 79.2 62.9 94.3





#29

Tetrahydrofuran

Concen: 104.351 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VU028993.D

Acq: 03 Jan 2019 13:29

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

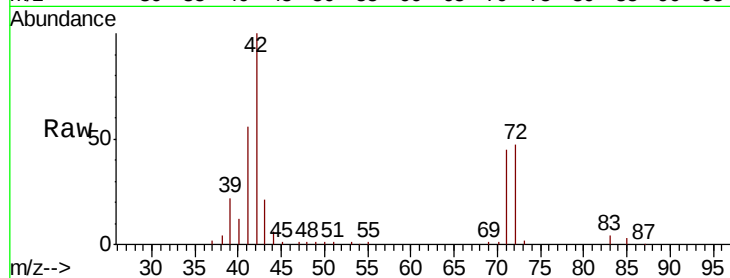
Tgt Ion: 42 Resp: 82461

Ion Ratio Lower Upper

42 100

72 48.2 38.3 57.5

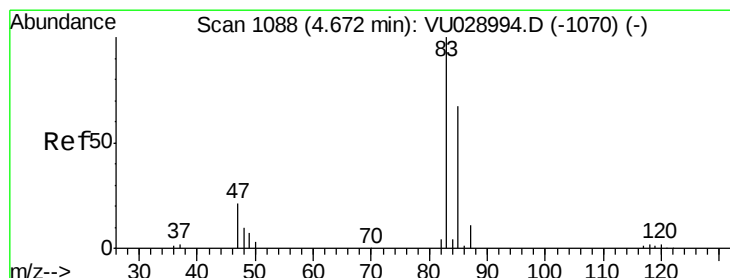
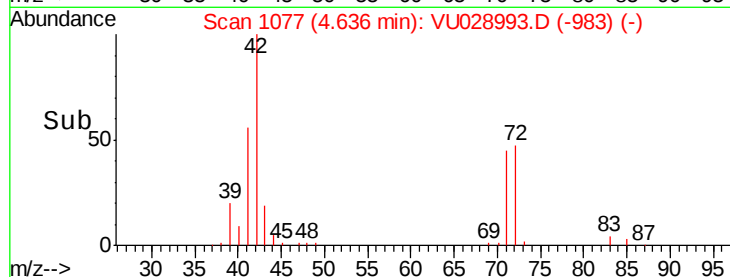
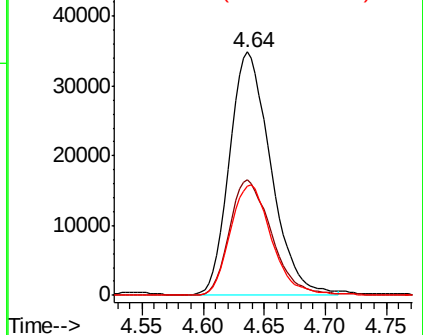
71 45.4 36.1 54.1



Abundance Ion 42.00 (41.70 to 42.70): VU028993.D (-983) (-)

Ion 72.00 (71.70 to 72.70): VU028993.D (-983) (-)

Ion 71.00 (70.70 to 71.70): VU028993.D (-983) (-)



#30

Chloroform

Concen: 20.598 ug/l

RT: 4.67 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VU028993.D

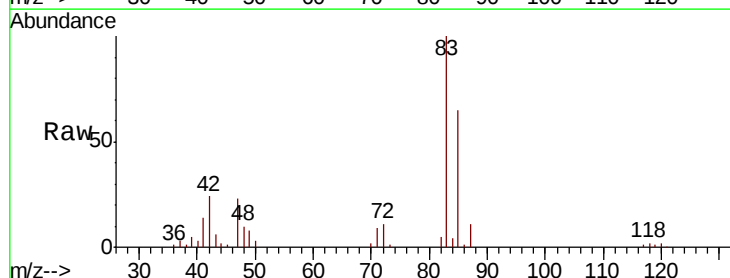
Acq: 03 Jan 2019 13:29

Tgt Ion: 83 Resp: 52763

Ion Ratio Lower Upper

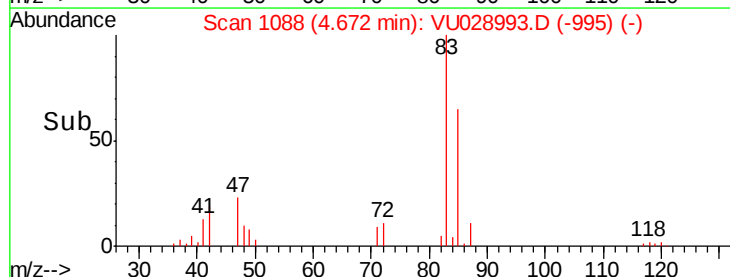
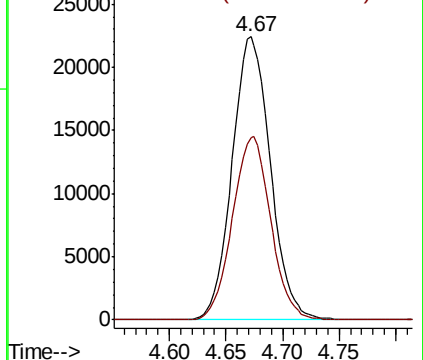
83 100

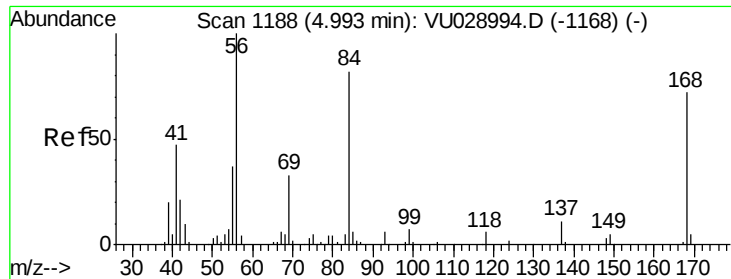
85 64.6 53.4 80.0



Abundance Ion 82.90 (82.60 to 83.60): VU028993.D (-995) (-)

Ion 84.90 (84.60 to 85.60): VU028993.D (-995) (-)

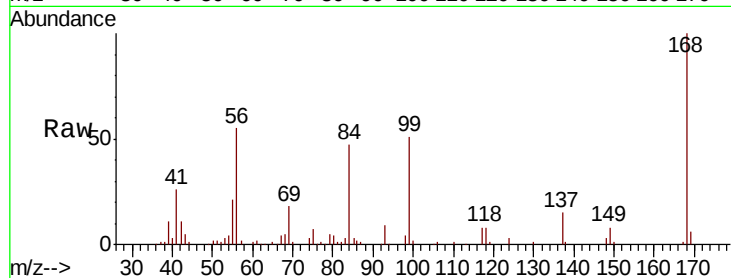




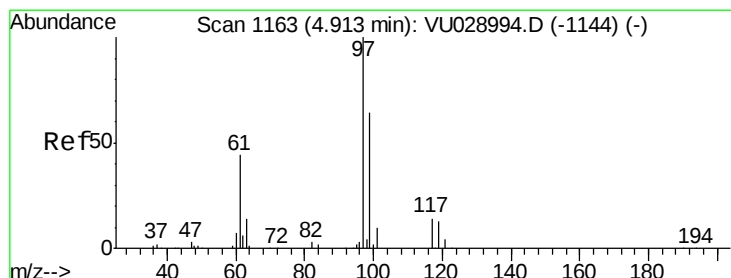
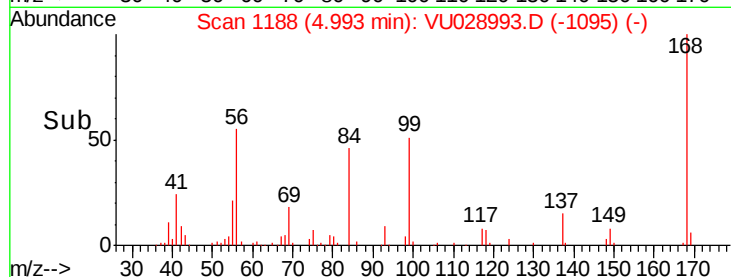
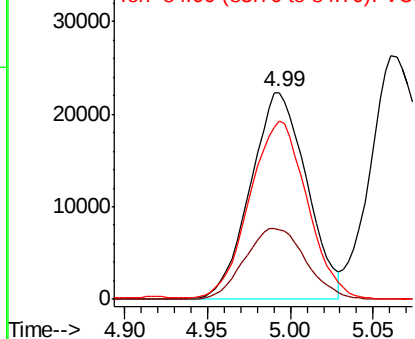
#31
Cyclohexane
Concen: 17.731 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU028993.D
Acq: 03 Jan 2019 13:29

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion: 56 Resp: 52773
Ion Ratio Lower Upper
56 100
69 33.8 26.7 40.1
84 85.4 65.7 98.5

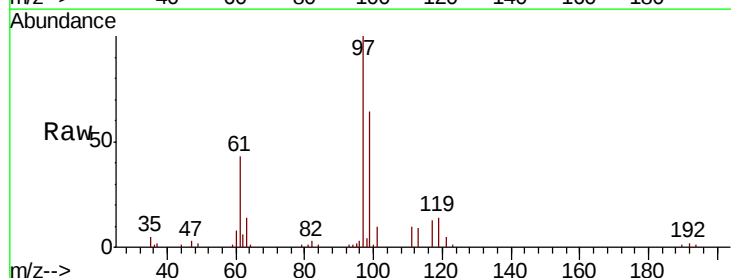


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

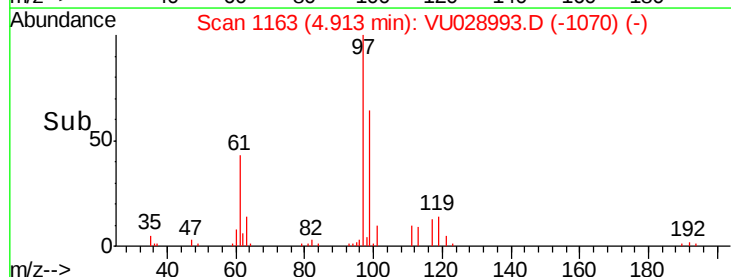
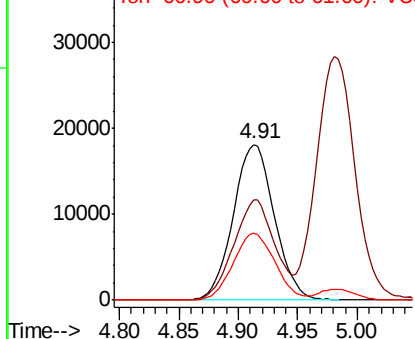


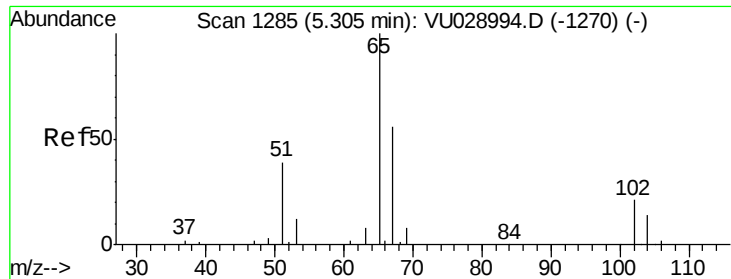
#32
1,1,1-Trichloroethane
Concen: 20.451 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VU028993.D
Acq: 03 Jan 2019 13:29

Tgt Ion: 97 Resp: 43287
Ion Ratio Lower Upper
97 100
99 64.5 51.0 76.4
61 43.7 34.4 51.6



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

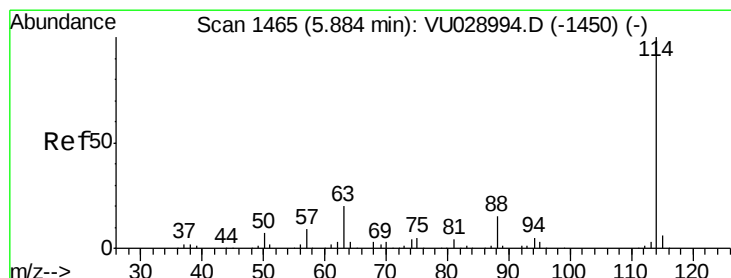
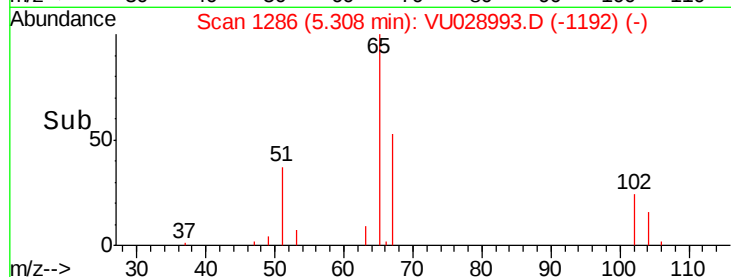
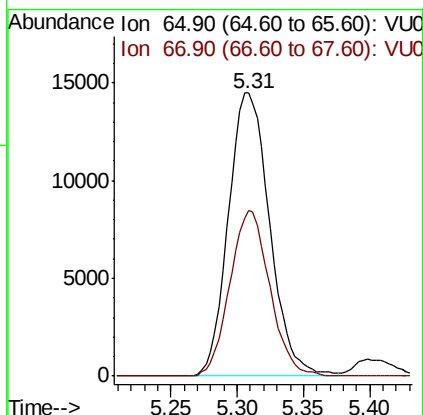
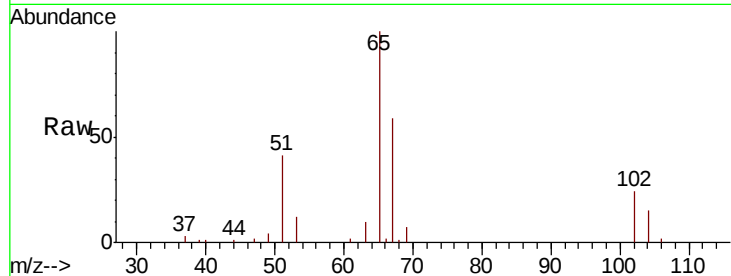




#33
 1,2-Dichloroethane-d4
 Concen: 20.504 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028993.D
 Acq: 03 Jan 2019 13:29

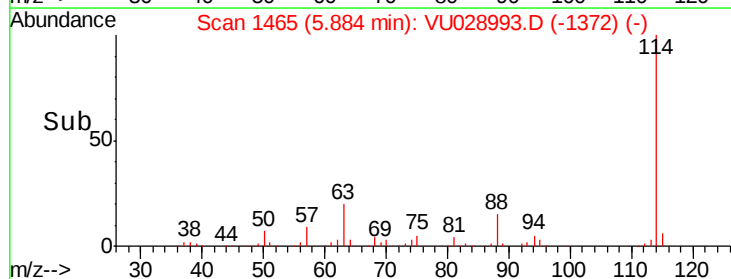
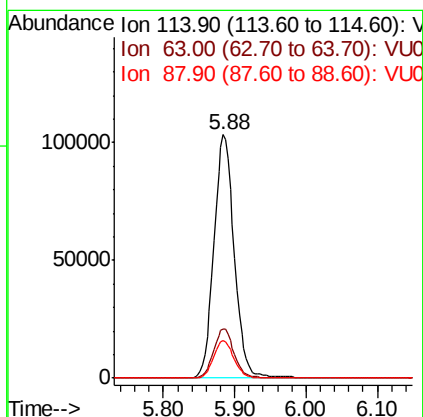
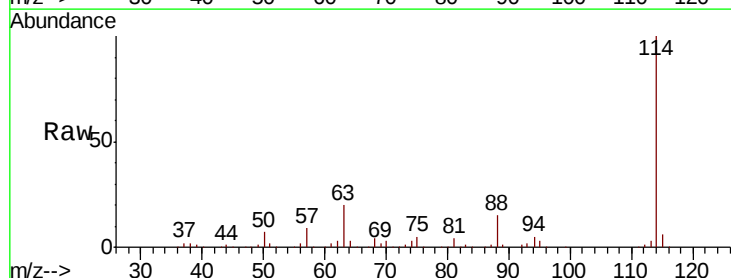
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

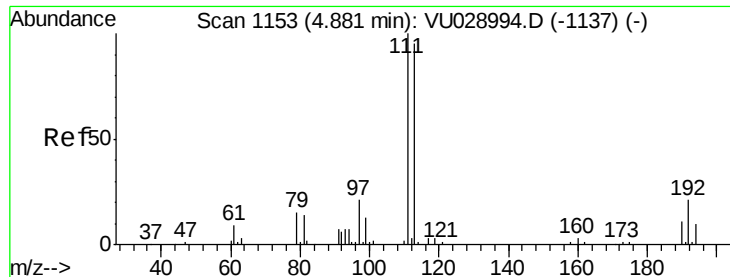
Tgt Ion: 65 Resp: 31398
 Ion Ratio Lower Upper
 65 100
 67 56.4 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU028993.D
 Acq: 03 Jan 2019 13:29

Tgt Ion: 114 Resp: 204305
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.2
 88 15.4 0.0 30.4

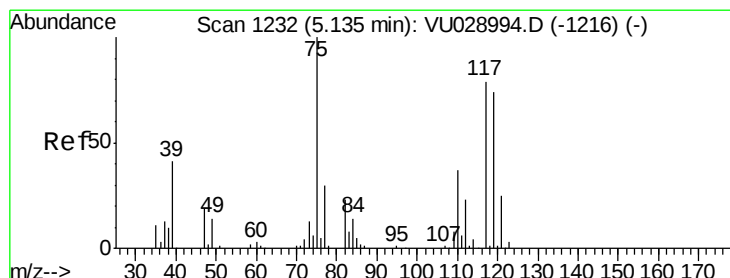
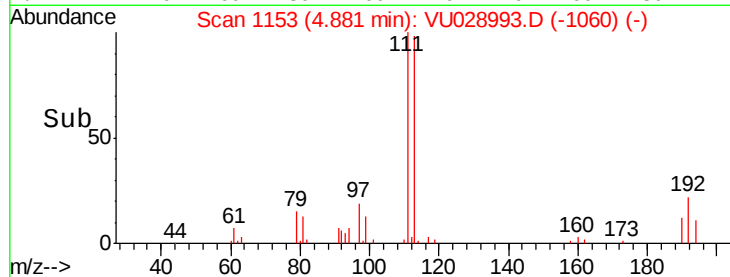
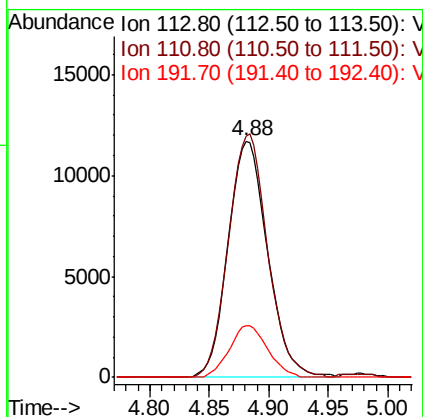
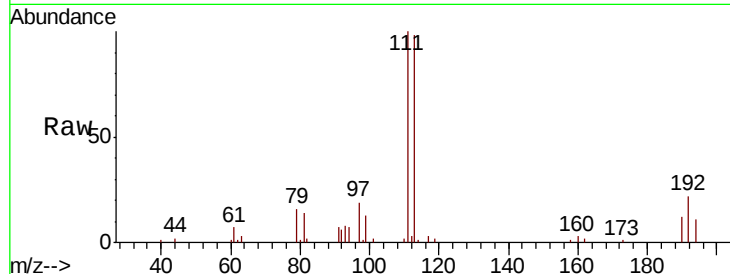




#35
 Dibromofluoromethane
 Concen: 20.362 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VU028993.D
 Acq: 03 Jan 2019 13:29

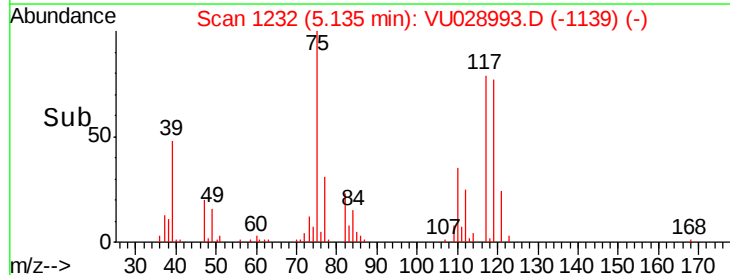
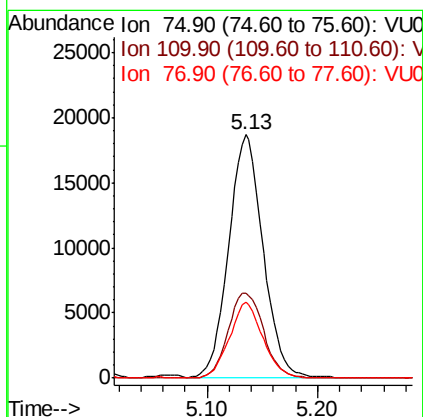
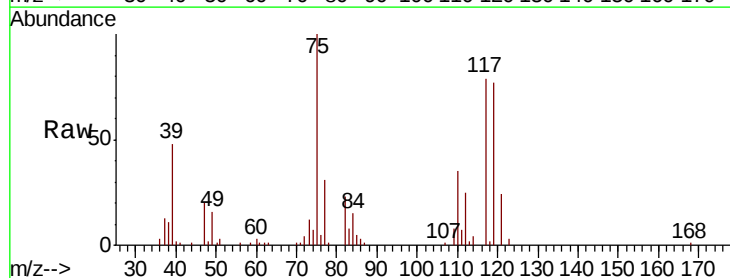
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

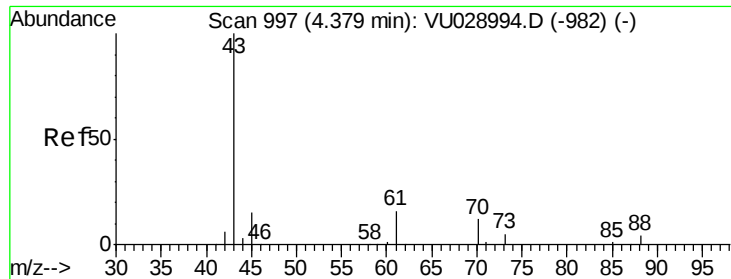
Tgt Ion: 113 Resp: 26967
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.4 122.2
 192 21.1 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 19.821 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU028993.D
 Acq: 03 Jan 2019 13:29

Tgt Ion: 75 Resp: 40476
 Ion Ratio Lower Upper
 75 100
 110 35.9 18.4 55.4
 77 30.2 25.1 37.7

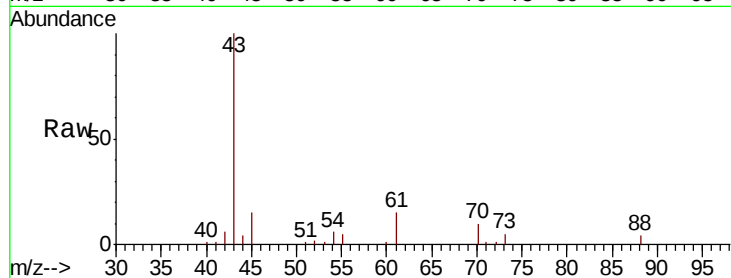




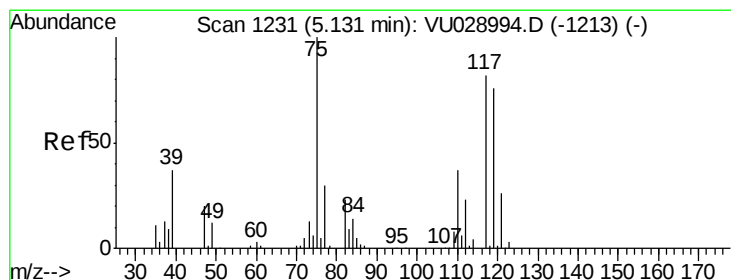
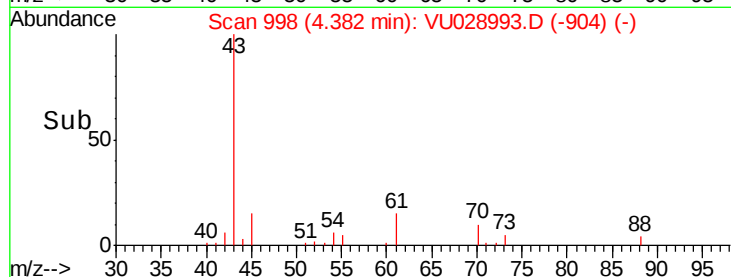
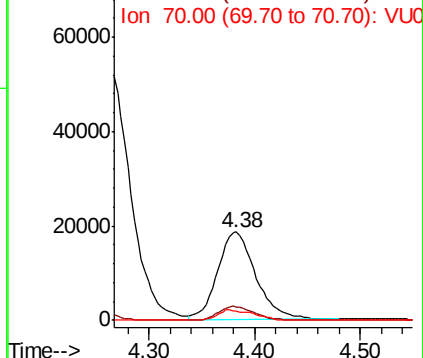
#37
Ethyl Acetate
Concen: 20.116 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.00 min
Lab File: VU028993.D
Acq: 03 Jan 2019 13:29

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 46954
Ion Ratio Lower Upper
43 100
61 15.1 12.6 18.8
70 11.2 9.3 13.9

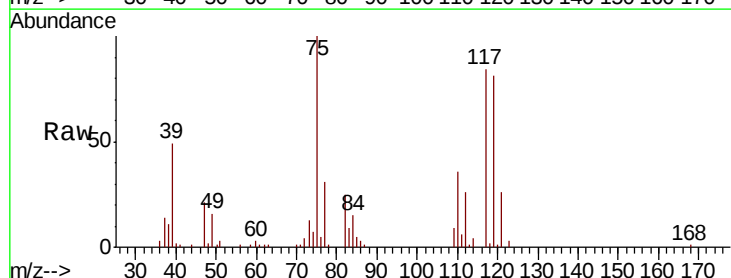


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

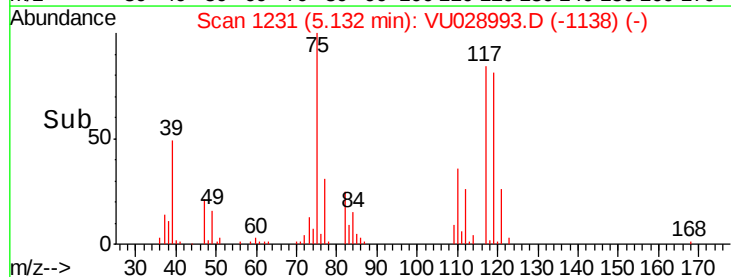
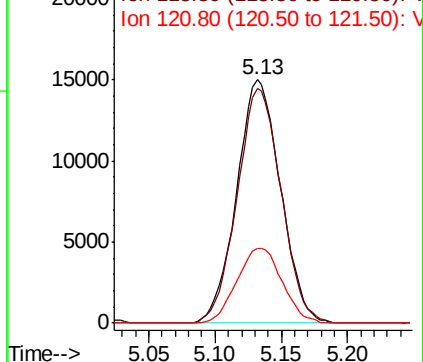


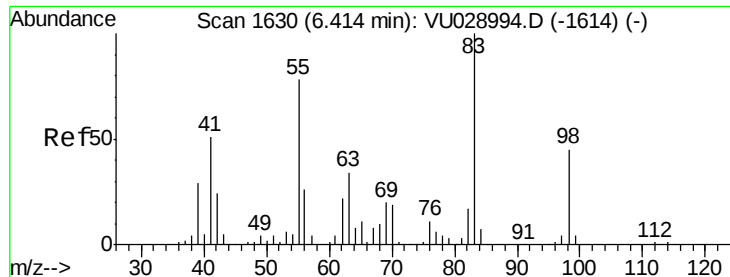
#38
Carbon Tetrachloride
Concen: 20.235 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU028993.D
Acq: 03 Jan 2019 13:29

Tgt Ion: 117 Resp: 34464
Ion Ratio Lower Upper
117 100
119 96.3 74.6 111.8
121 30.5 25.0 37.6



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

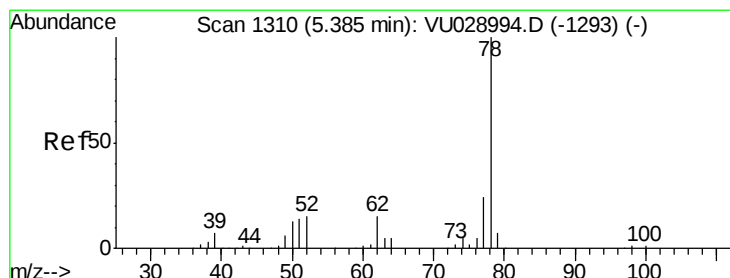
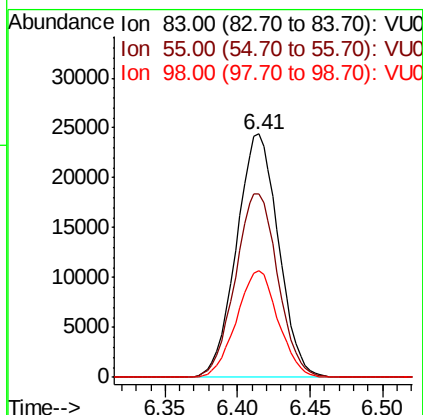
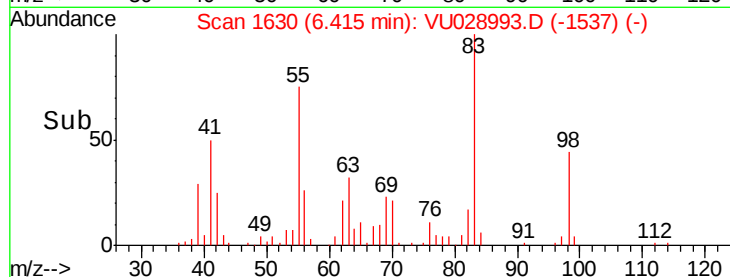
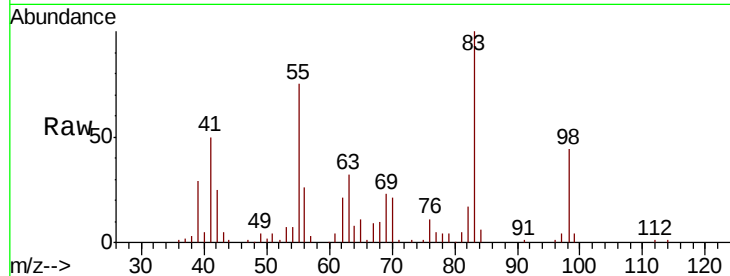




#39
Methylcyclohexane
Concen: 19.530 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU028993.D
Acq: 03 Jan 2019 13:29

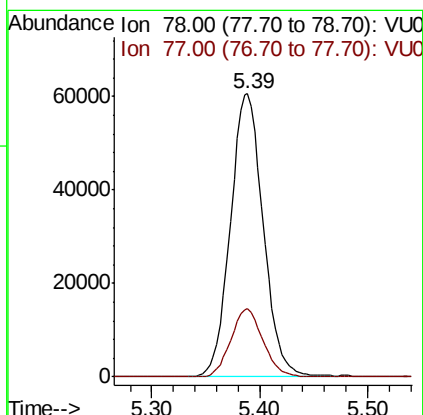
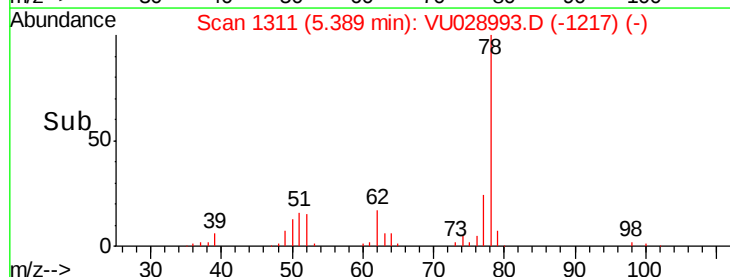
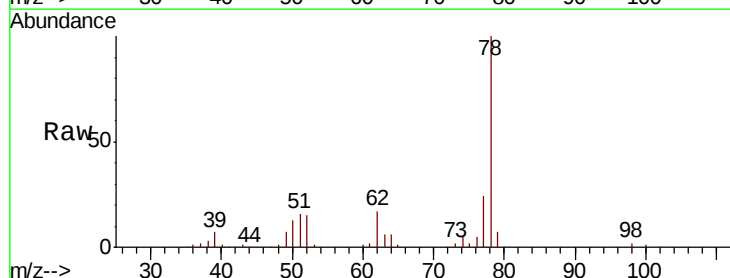
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

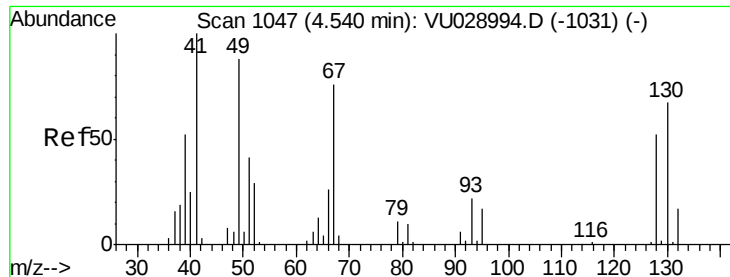
Tgt Ion: 83 Resp: 49031
Ion Ratio Lower Upper
83 100
55 75.2 62.4 93.6
98 44.0 36.2 54.2



#40
Benzene
Concen: 20.179 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU028993.D
Acq: 03 Jan 2019 13:29

Tgt Ion: 78 Resp: 128540
Ion Ratio Lower Upper
78 100
77 24.1 18.9 28.3





#41

Methacrylonitrile

Concen: 20.862 ug/l

RT: 4.54 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU028993.D

Acq: 03 Jan 2019 13:29

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion: 41 Resp: 25032

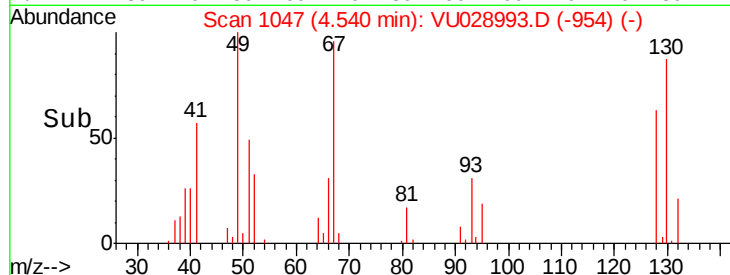
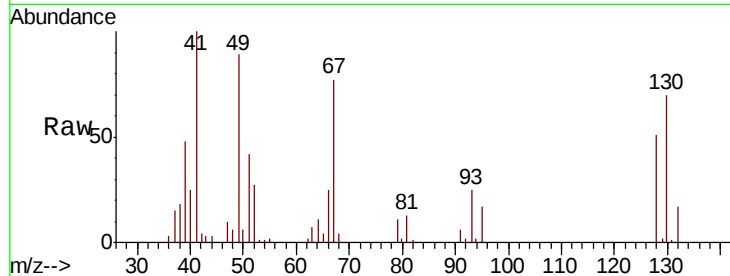
Ion Ratio Lower Upper

41 100

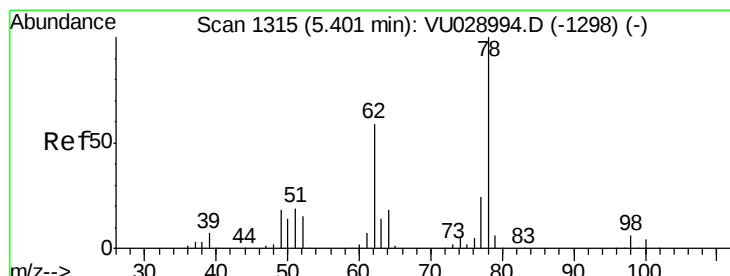
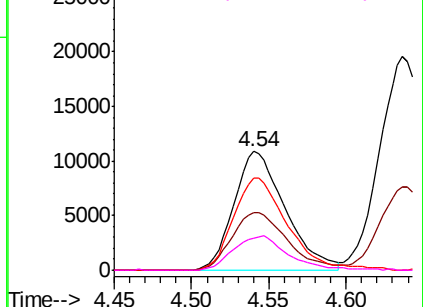
39 52.6 42.3 63.5

67 81.2 64.4 96.6

52 31.2 23.9 35.9



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



#42

1,2-Dichloroethane

Concen: 20.951 ug/l

RT: 5.40 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VU028993.D

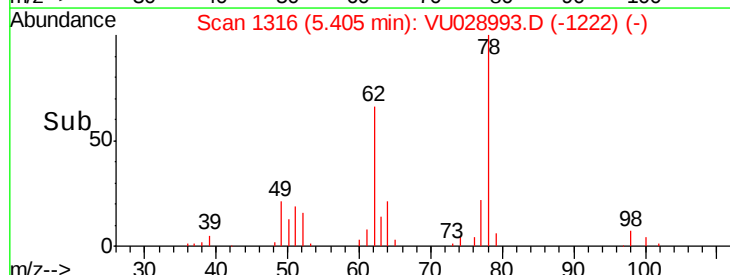
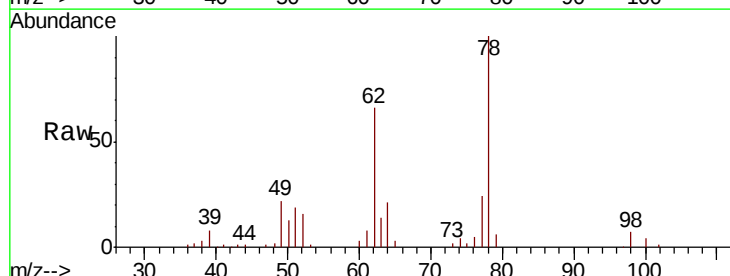
Acq: 03 Jan 2019 13:29

Tgt Ion: 62 Resp: 40102

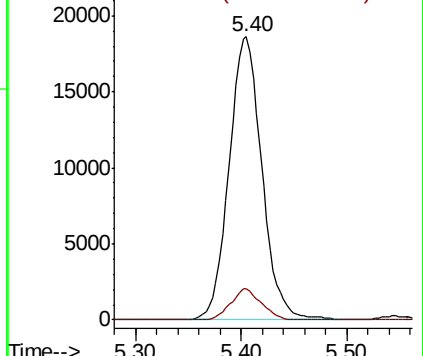
Ion Ratio Lower Upper

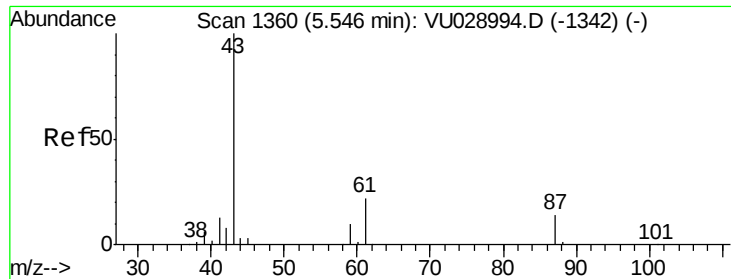
62 100

98 10.2 0.0 19.6



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





#43

Isopropyl Acetate

Concen: 20.836 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VU028993.D

Acq: 03 Jan 2019 13:29

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

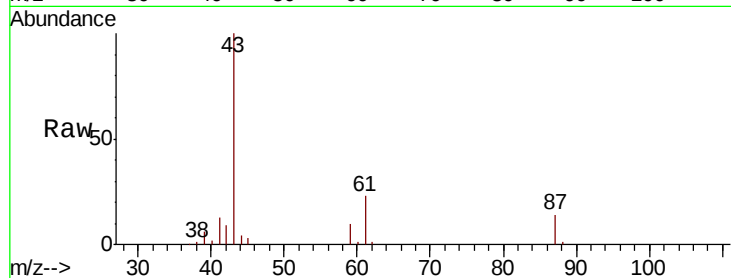
Tgt Ion: 43 Resp: 71644

Ion Ratio Lower Upper

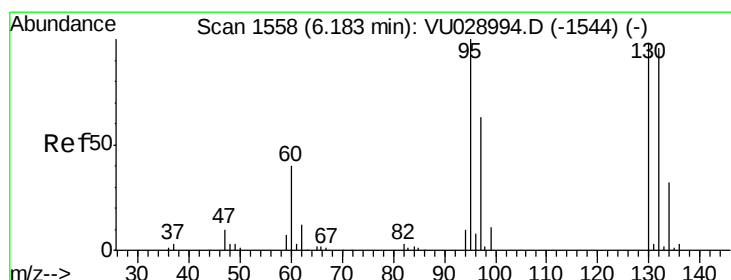
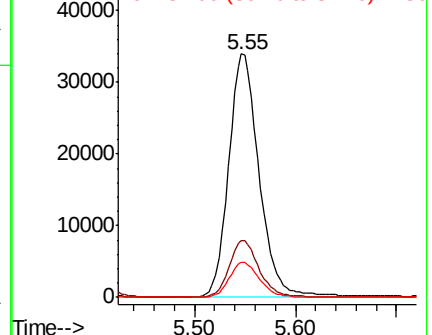
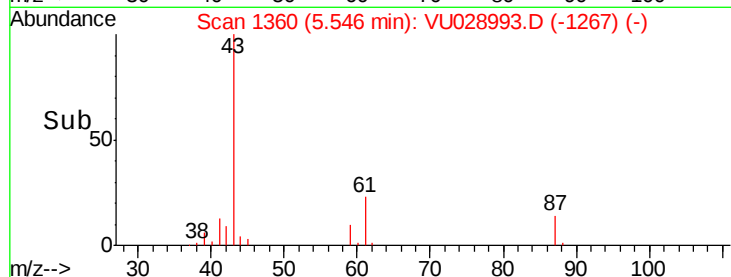
43 100

61 22.7 17.8 26.6

87 14.1 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VU028993.D (-1267) (-)



#44

Trichloroethene

Concen: 20.126 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028993.D

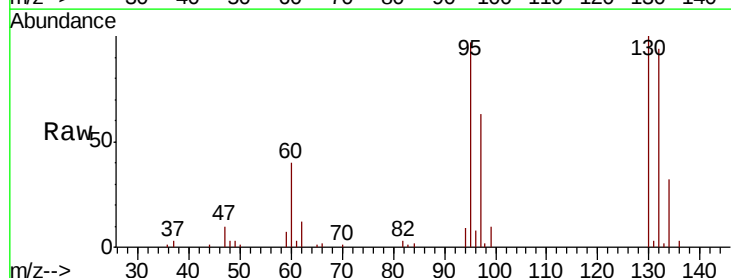
Acq: 03 Jan 2019 13:29

Tgt Ion: 130 Resp: 31764

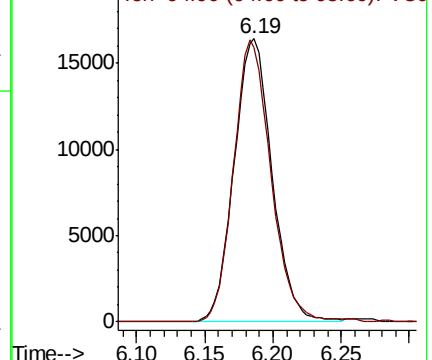
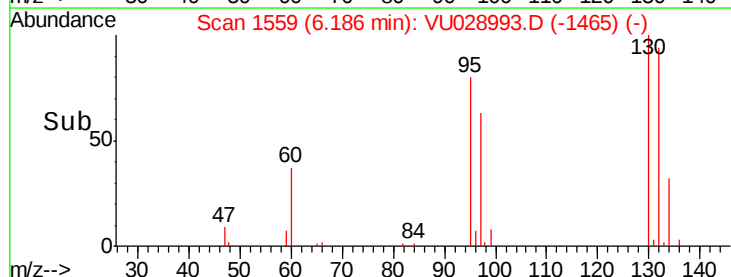
Ion Ratio Lower Upper

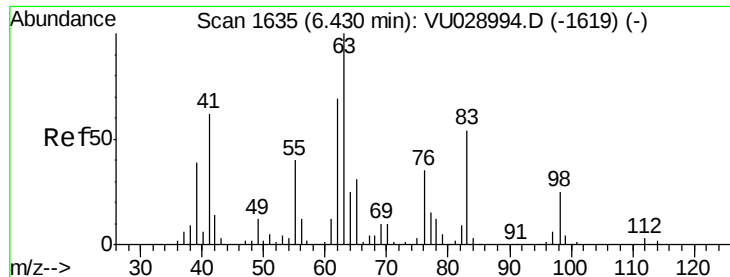
130 100

95 97.1 0.0 205.0



Abundance Ion 129.80 (129.50 to 130.50): VU028993.D (-1465) (-)





#45

1,2-Dichloropropane

Concen: 20.392 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VU028993.D

Acq: 03 Jan 2019 13:29

Instrument :

MSVOA_U

ClientSampleId :

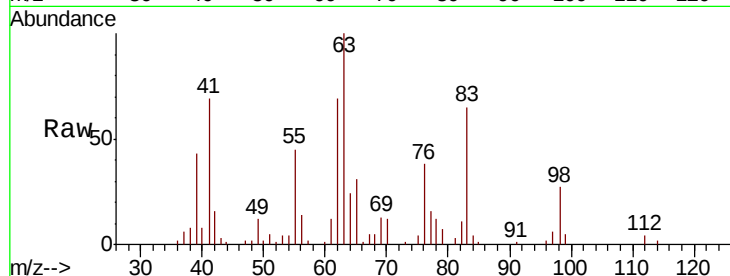
VSTDIC020

Tgt Ion: 63 Resp: 34303

Ion Ratio Lower Upper

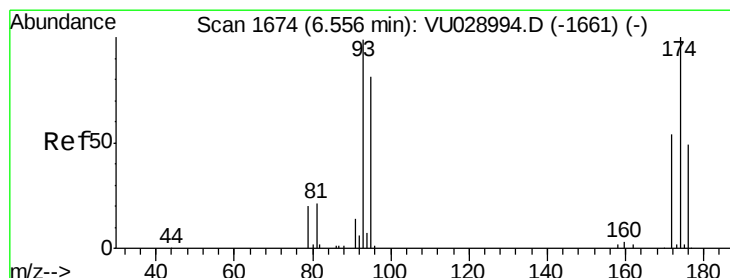
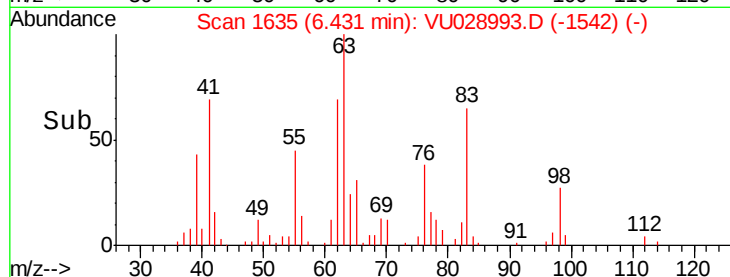
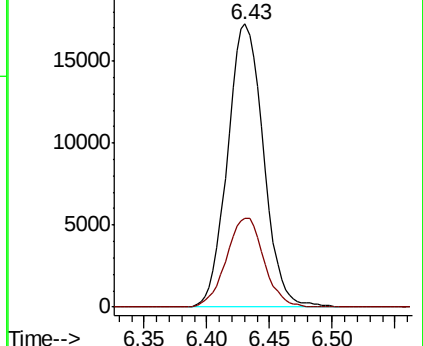
63 100

65 31.4 25.1 37.7



Abundance Ion 62.90 (62.60 to 63.60): VU028993.D (-1542) (-)

Ion 64.90 (64.60 to 65.60): VU028993.D (-1542) (-)



#46

Dibromomethane

Concen: 20.579 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VU028993.D

Acq: 03 Jan 2019 13:29

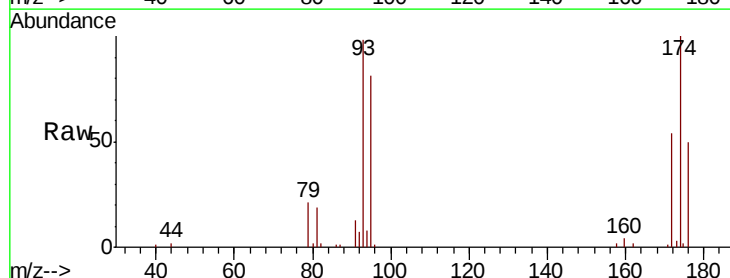
Tgt Ion: 93 Resp: 22129

Ion Ratio Lower Upper

93 100

95 83.2 67.2 100.8

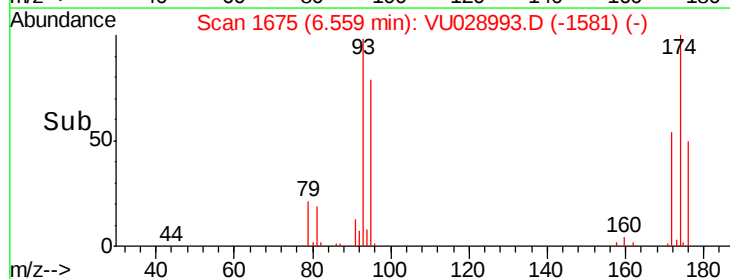
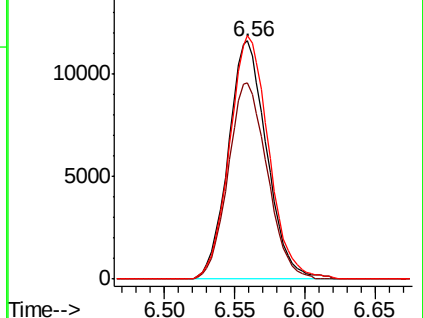
174 103.9 82.6 123.8



Abundance Ion 92.80 (92.50 to 93.50): VU028993.D (-1581) (-)

Ion 94.80 (94.50 to 95.50): VU028993.D (-1581) (-)

Ion 173.70 (173.40 to 174.40): VU028993.D (-1581) (-)

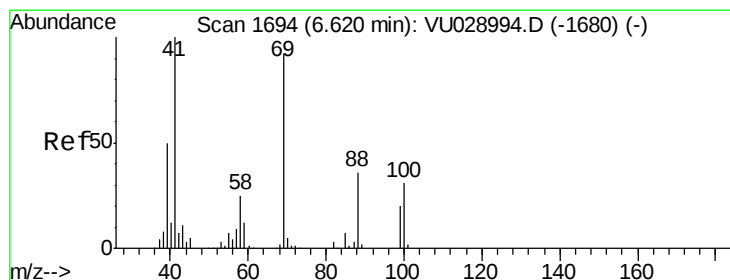
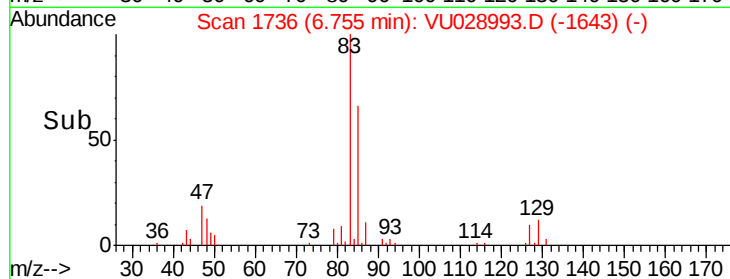
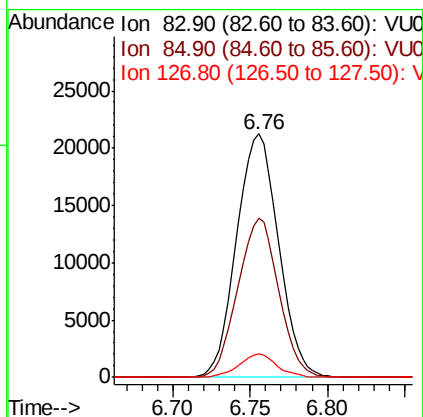
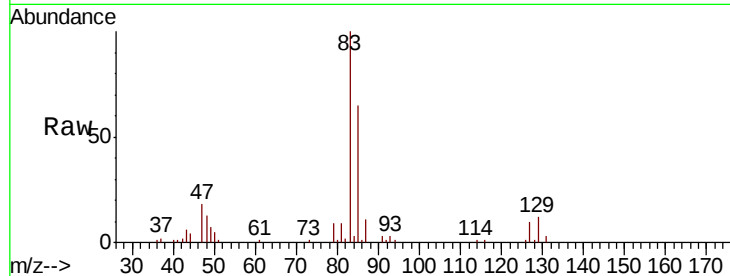




#47
 Bromodichloromethane
 Concen: 20.266 ug/l
 RT: 6.76 min Scan# 1736
 Delta R.T. 0.00 min
 Lab File: VU028993.D
 Acq: 03 Jan 2019 13:29

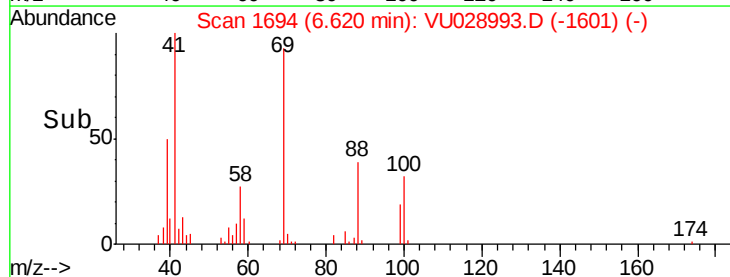
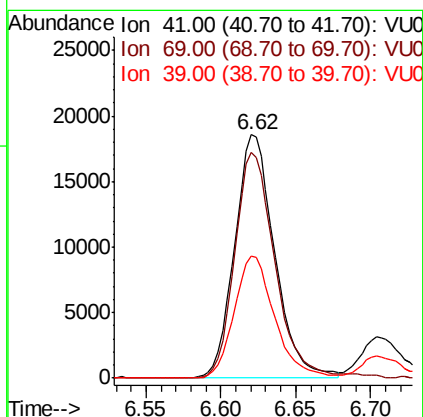
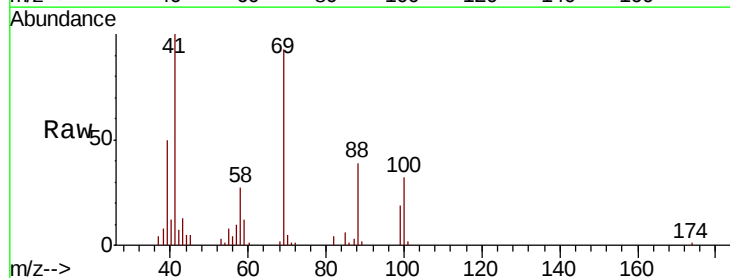
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

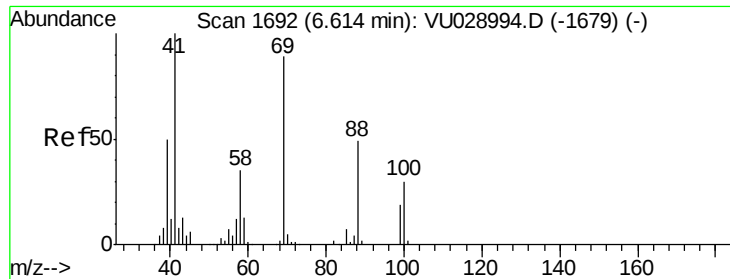
Tgt Ion: 83 Resp: 40124
 Ion Ratio Lower Upper
 83 100
 85 65.2 51.4 77.2
 127 9.6 7.0 10.4



#48
 Methyl methacrylate
 Concen: 20.678 ug/l
 RT: 6.62 min Scan# 1694
 Delta R.T. 0.00 min
 Lab File: VU028993.D
 Acq: 03 Jan 2019 13:29

Tgt Ion: 41 Resp: 34622
 Ion Ratio Lower Upper
 41 100
 69 93.8 73.6 110.4
 39 50.4 39.6 59.4

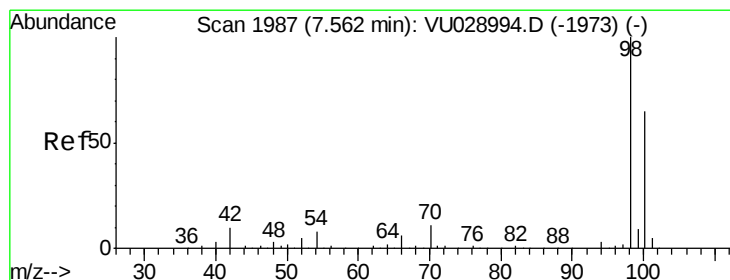
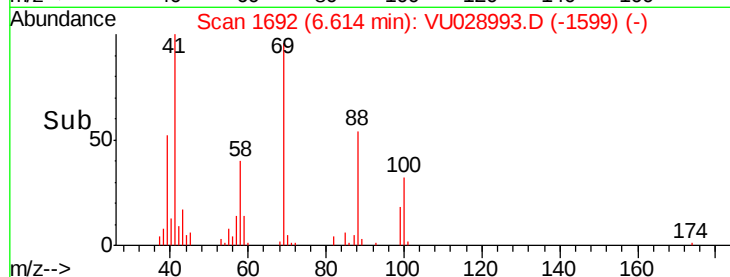
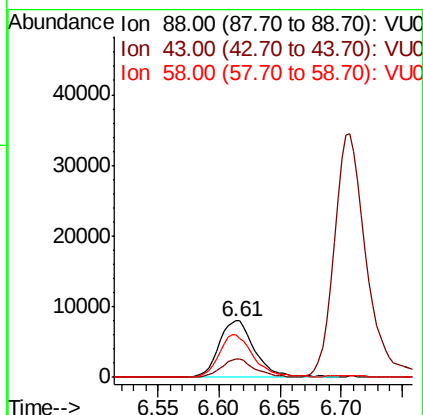
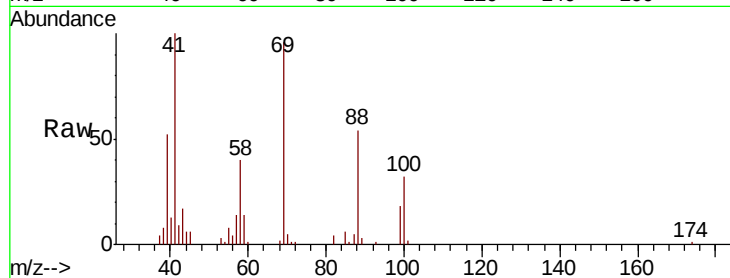




#49
1,4-Dioxane
Concen: 415.085 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028993.D
Acq: 03 Jan 2019 13:29

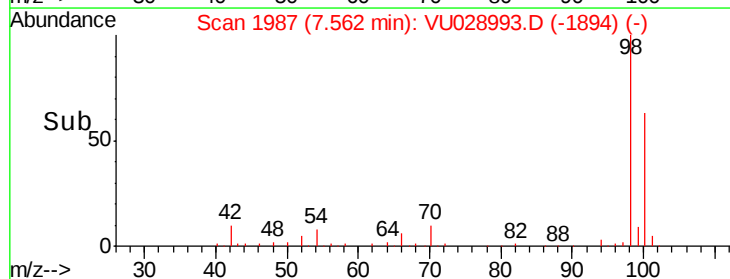
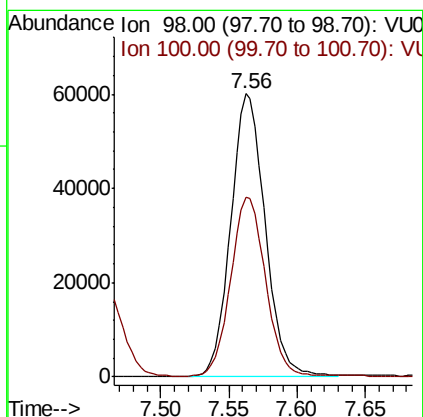
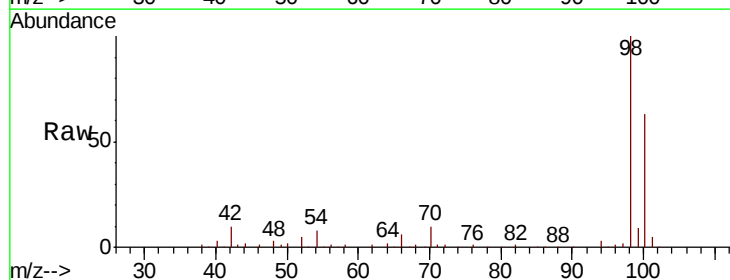
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion: 88 Resp: 16470
Ion Ratio Lower Upper
88 100
43 29.9 23.0 34.4
58 72.6 57.9 86.9



#50
Toluene-d8
Concen: 20.165 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU028993.D
Acq: 03 Jan 2019 13:29

Tgt Ion: 98 Resp: 105431
Ion Ratio Lower Upper
98 100
100 63.3 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 102.351 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028993.D

Acq: 03 Jan 2019 13:29

Instrument :

MSVOA_U

ClientSampleId :

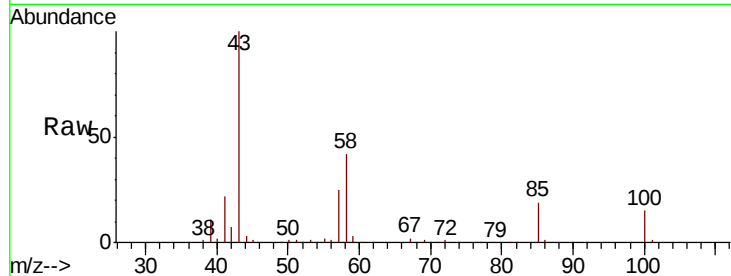
VSTDIC020

Tgt Ion: 43 Resp: 239515

Ion Ratio Lower Upper

43 100

58 42.4 33.9 50.9



Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU028994.D (-1939) (-)

7.46

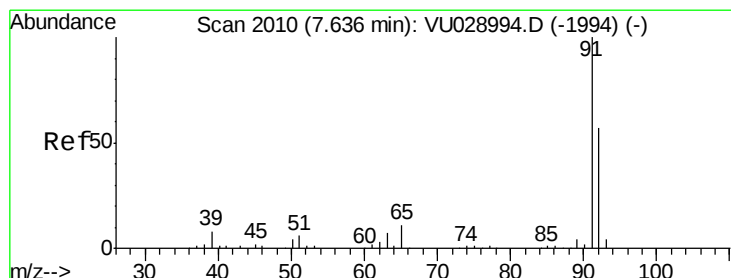
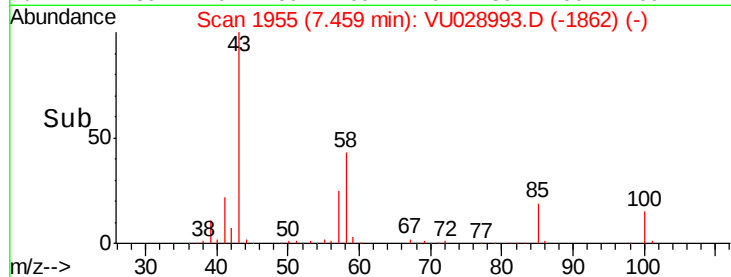
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.353 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028993.D

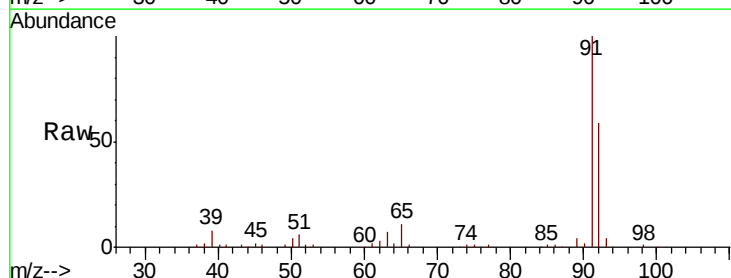
Acq: 03 Jan 2019 13:29

Tgt Ion: 92 Resp: 78924

Ion Ratio Lower Upper

92 100

91 170.8 139.8 209.8



Abundance Ion 92.00 (91.70 to 92.70): VU028994.D (-1994) (-)

Ion 91.00 (90.70 to 91.70): VU028994.D (-1994) (-)

7.64

80000

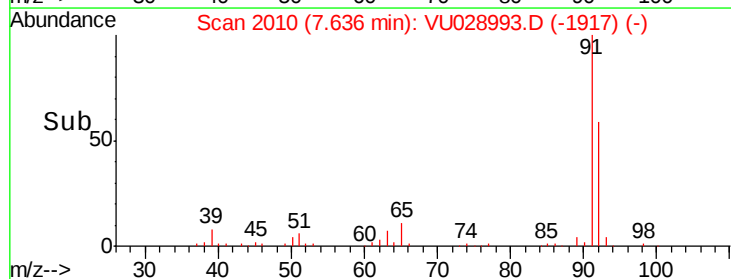
60000

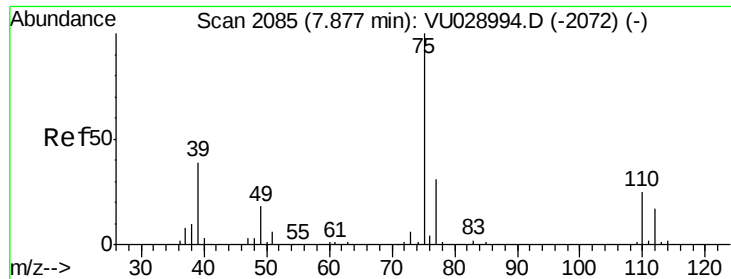
40000

20000

0

Time-->

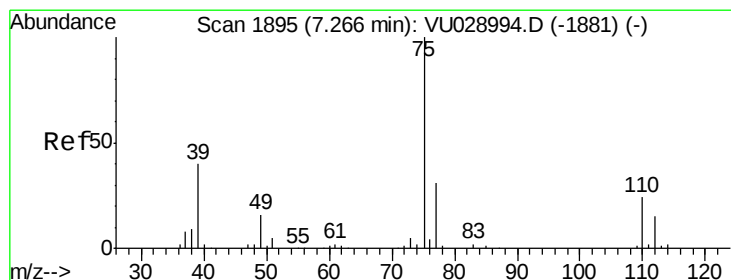
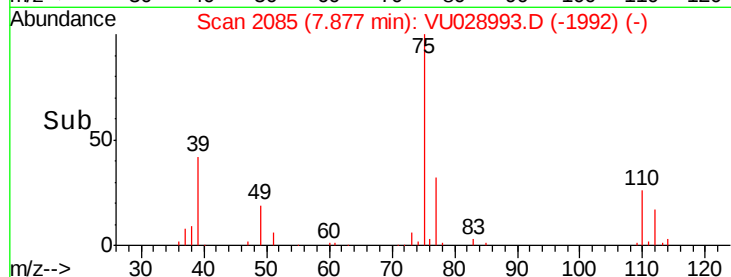
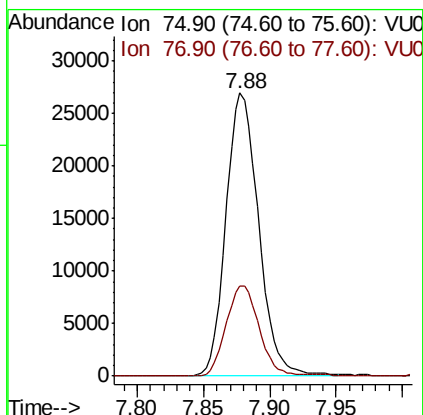
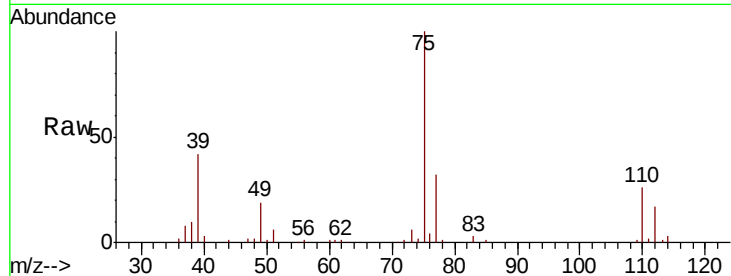




#53
 t-1,3-Dichloropropene
 Concen: 19.482 ug/l
 RT: 7.88 min Scan# 2085
 Delta R.T. 0.00 min
 Lab File: VU028993.D
 Acq: 03 Jan 2019 13:29

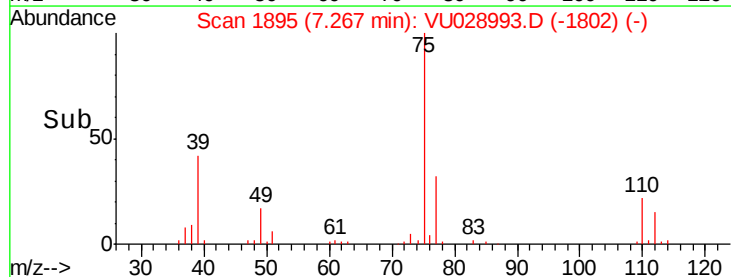
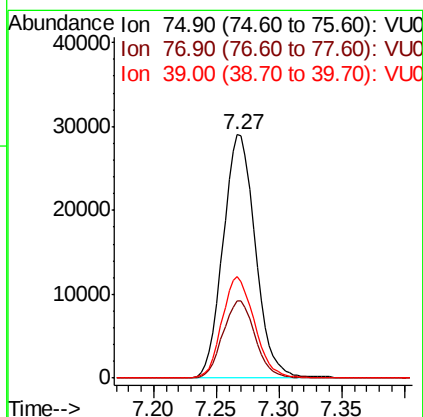
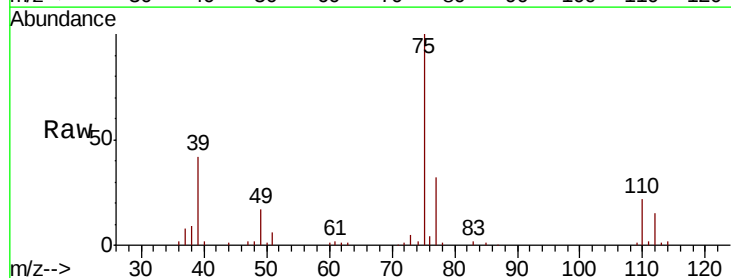
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

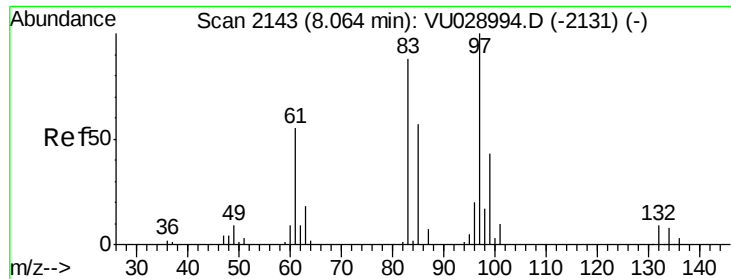
Tgt Ion: 75 Resp: 46335
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.0 37.4



#54
 cis-1,3-Dichloropropene
 Concen: 20.254 ug/l
 RT: 7.27 min Scan# 1895
 Delta R.T. 0.00 min
 Lab File: VU028993.D
 Acq: 03 Jan 2019 13:29

Tgt Ion: 75 Resp: 52052
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.0 37.6
 39 41.5 32.2 48.4

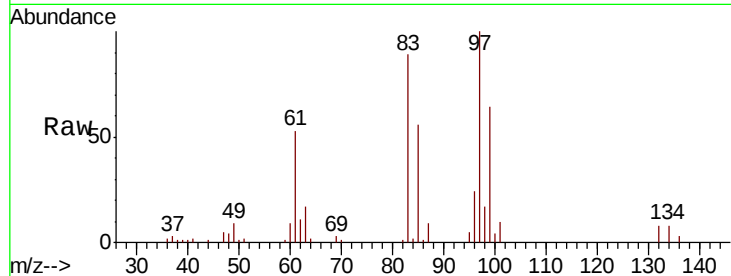




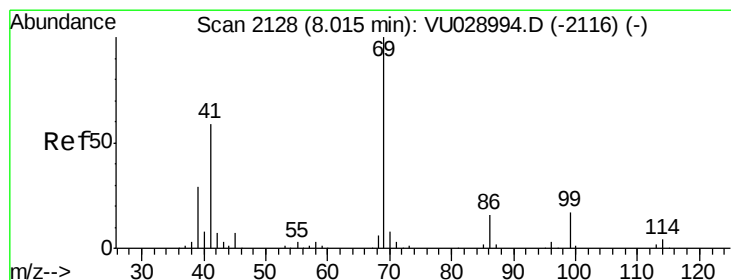
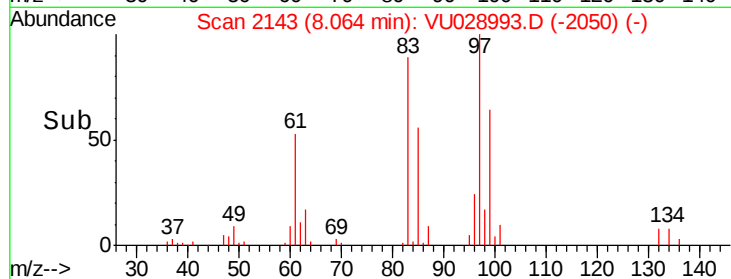
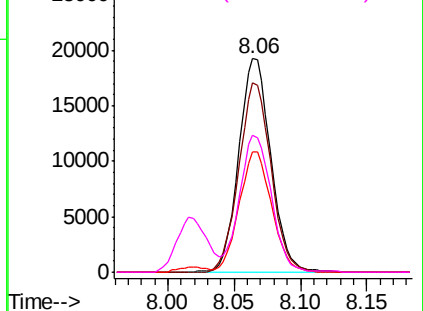
#55
 1,1,2-Trichloroethane
 Concen: 20.832 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU028993.D
 Acq: 03 Jan 2019 13:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tgt Ion:	97	Resp:	32363
Ion	Ratio	Lower	Upper
97	100		
83	88.6	69.8	104.8
85	56.3	47.3	70.9
99	63.6	49.7	74.5

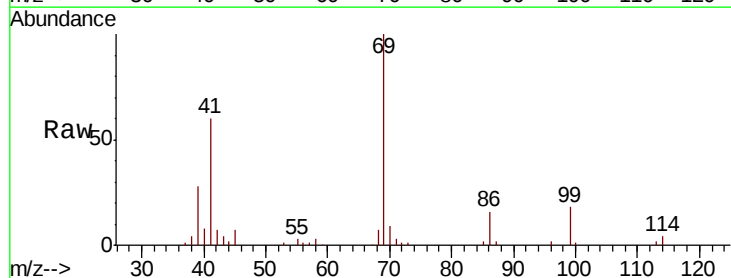


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

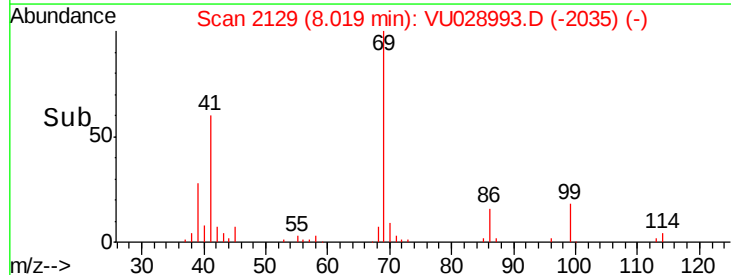
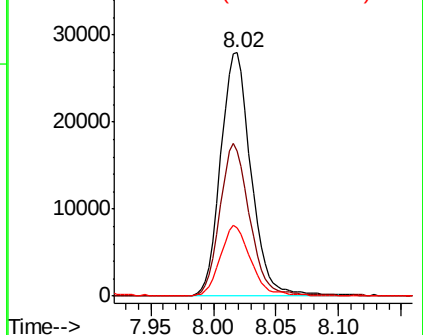


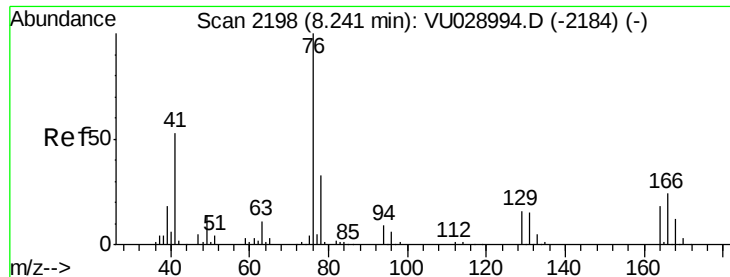
#56
 Ethyl methacrylate
 Concen: 19.819 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU028993.D
 Acq: 03 Jan 2019 13:29

Tgt Ion:	69	Resp:	47435
Ion	Ratio	Lower	Upper
69	100		
41	61.6	47.5	71.3
39	29.1	22.5	33.7



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

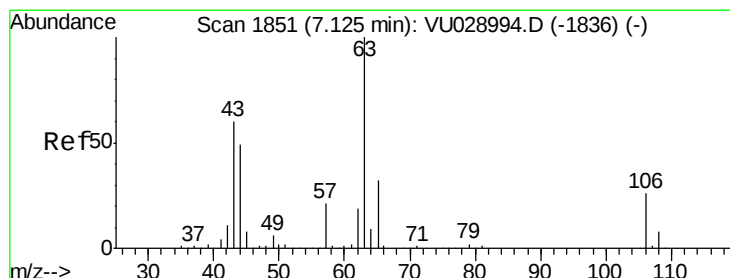
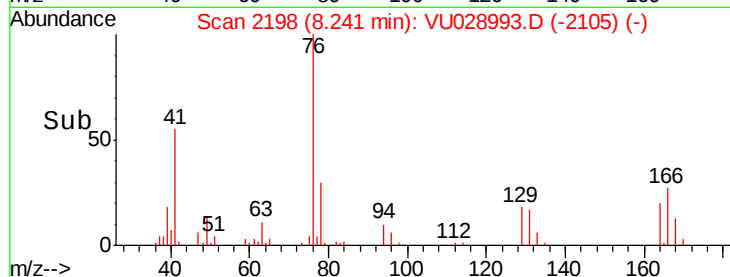
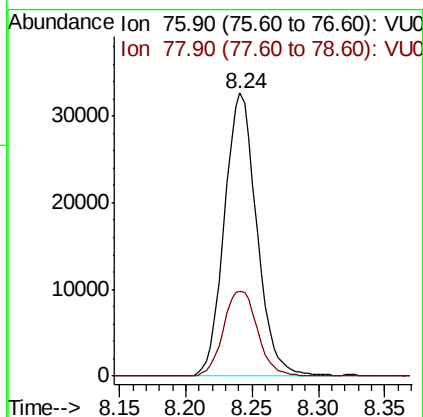
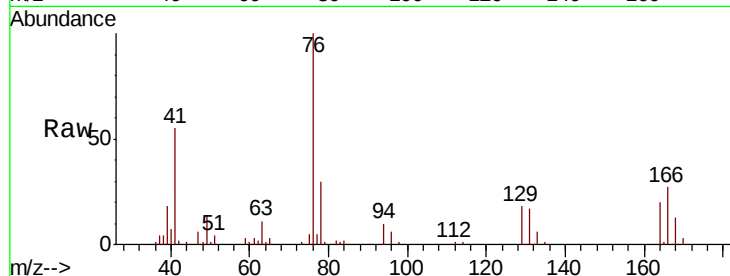




#57
 1,3-Dichloropropane
 Concen: 20.870 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU028993.D
 Acq: 03 Jan 2019 13:29

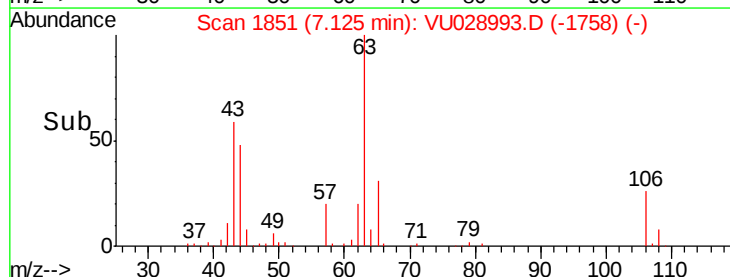
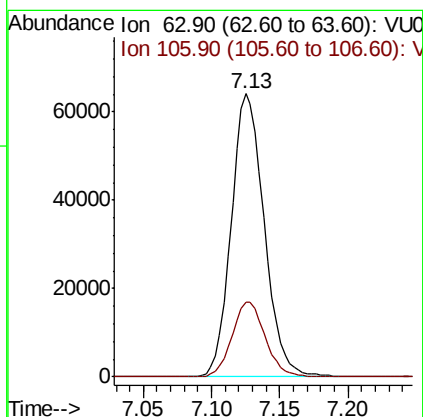
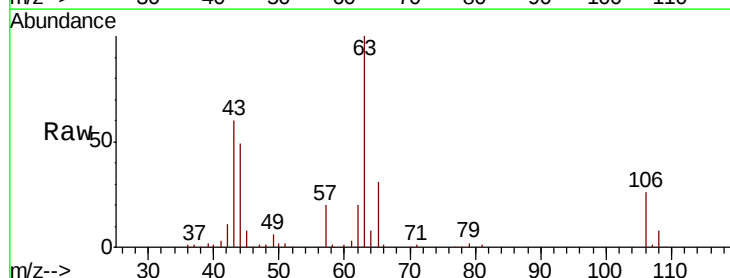
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

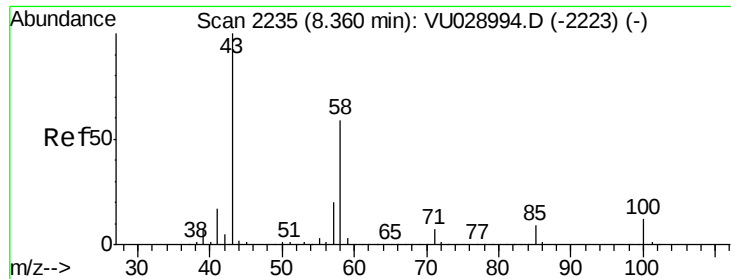
Tgt Ion: 76 Resp: 55478
 Ion Ratio Lower Upper
 76 100
 78 31.7 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.239 ug/l
 RT: 7.13 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VU028993.D
 Acq: 03 Jan 2019 13:29

Tgt Ion: 63 Resp: 107613
 Ion Ratio Lower Upper
 63 100
 106 26.6 20.6 31.0

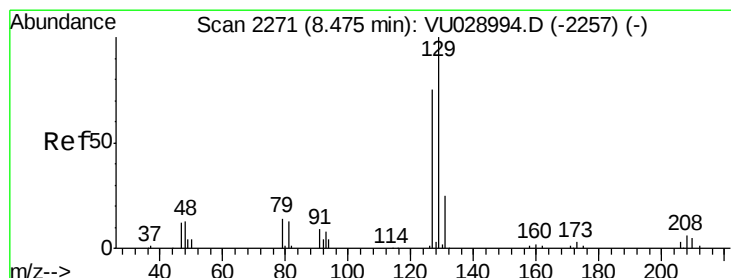
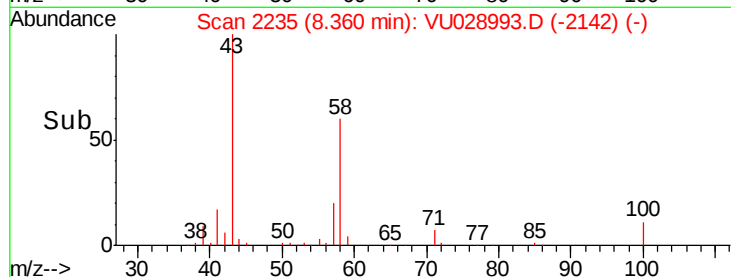
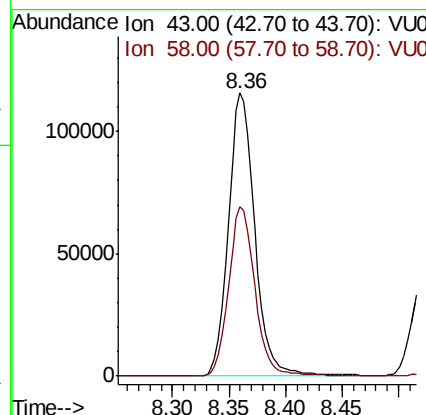
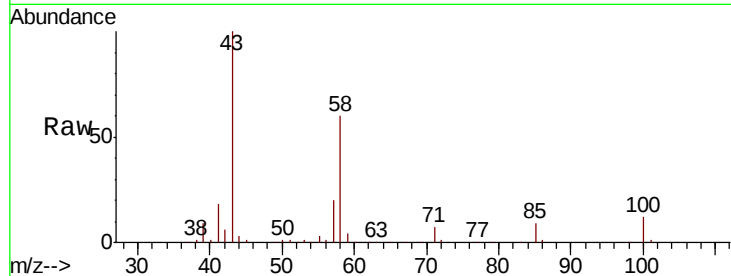




#59
 2-Hexanone
 Concen: 102.024 ug/l
 RT: 8.36 min Scan# 2235
 Delta R.T. 0.00 min
 Lab File: VU028993.D
 Acq: 03 Jan 2019 13:29

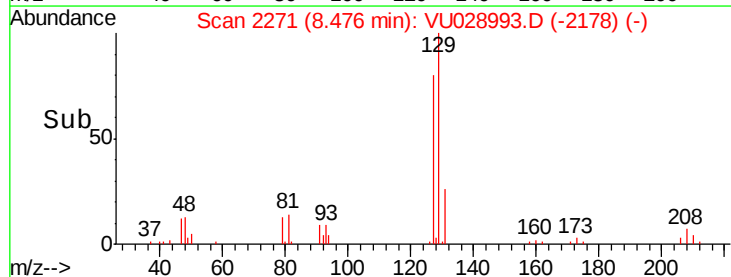
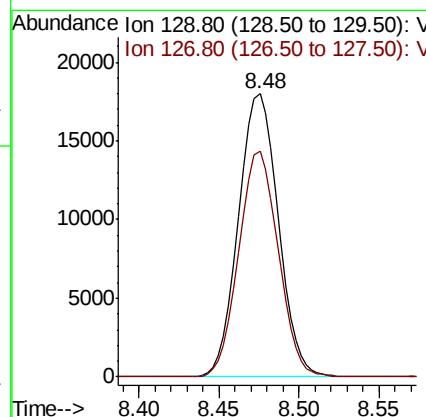
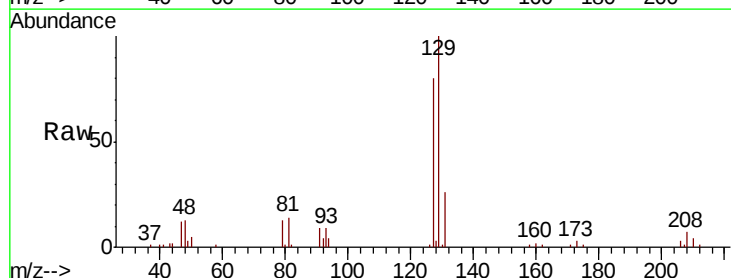
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

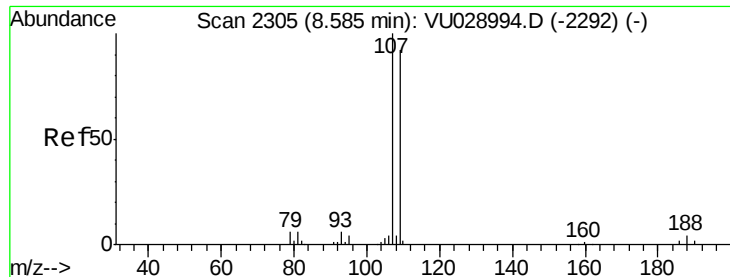
Tgt Ion: 43 Resp: 187409
 Ion Ratio Lower Upper
 43 100
 58 59.7 29.8 89.4



#60
 Dibromochloromethane
 Concen: 19.895 ug/l
 RT: 8.48 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VU028993.D
 Acq: 03 Jan 2019 13:29

Tgt Ion: 129 Resp: 30621
 Ion Ratio Lower Upper
 129 100
 127 78.8 38.0 114.0

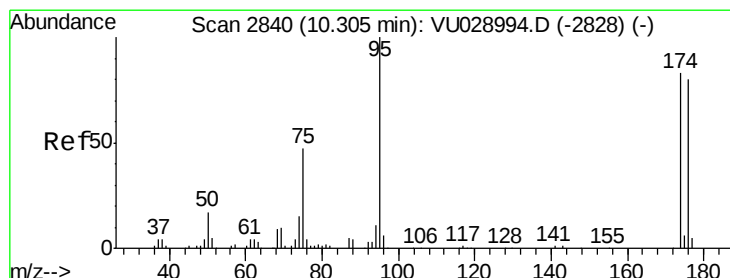
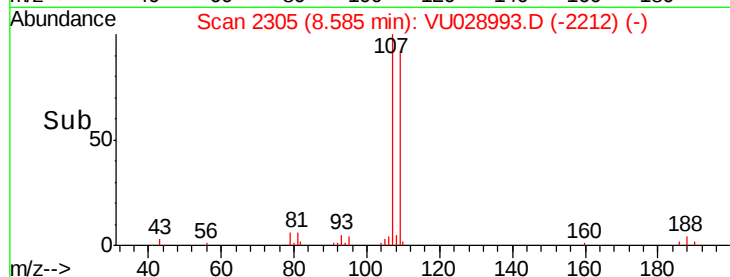
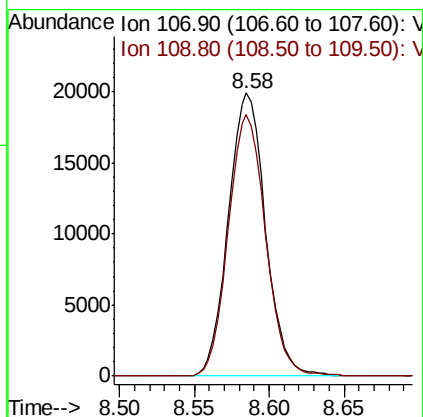
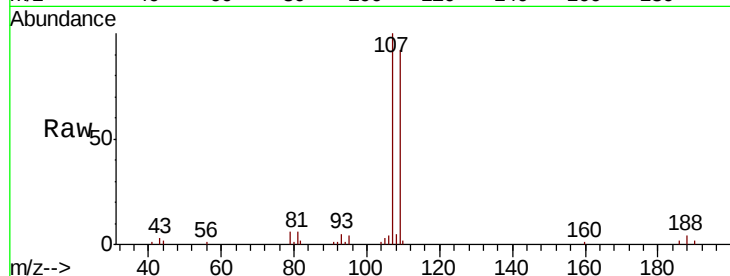




#61
 1,2-Dibromoethane
 Concen: 20.400 ug/l
 RT: 8.58 min Scan# 2305
 Delta R.T. 0.00 min
 Lab File: VU028993.D
 Acq: 03 Jan 2019 13:29

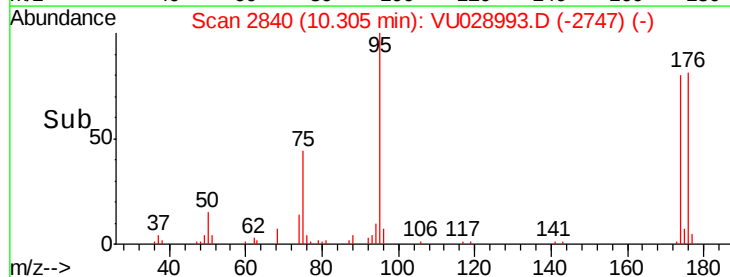
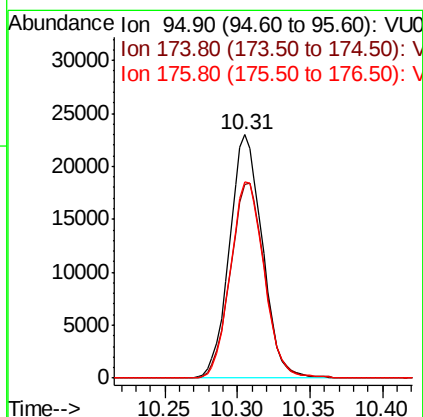
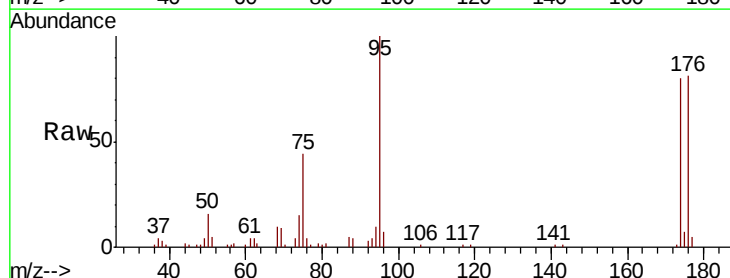
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tgt Ion: 107 Resp: 34372
 Ion Ratio Lower Upper
 107 100
 109 92.8 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 19.227 ug/l
 RT: 10.31 min Scan# 2840
 Delta R.T. 0.00 min
 Lab File: VU028993.D
 Acq: 03 Jan 2019 13:29

Tgt Ion: 95 Resp: 36128
 Ion Ratio Lower Upper
 95 100
 174 83.2 0.0 170.6
 176 82.8 0.0 165.0

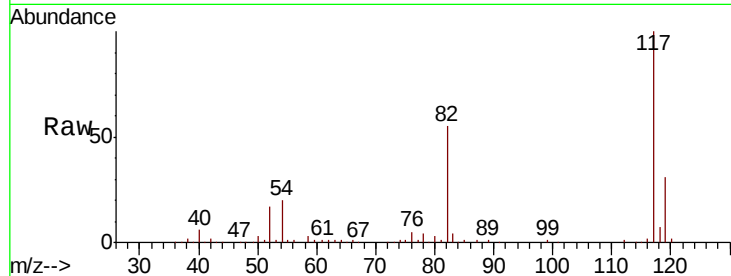




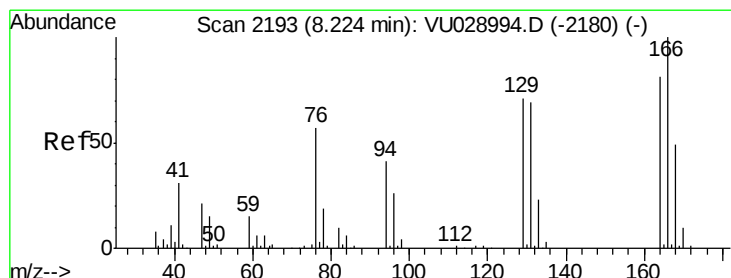
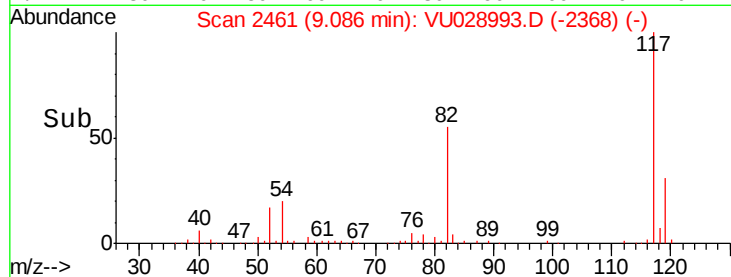
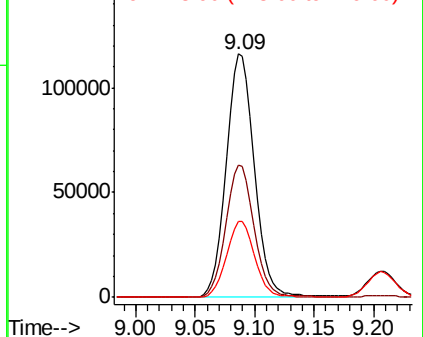
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU028993.D
Acq: 03 Jan 2019 13:29

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion:117 Resp: 191386
Ion Ratio Lower Upper
117 100
82 54.5 43.9 65.9
119 31.2 26.0 39.0

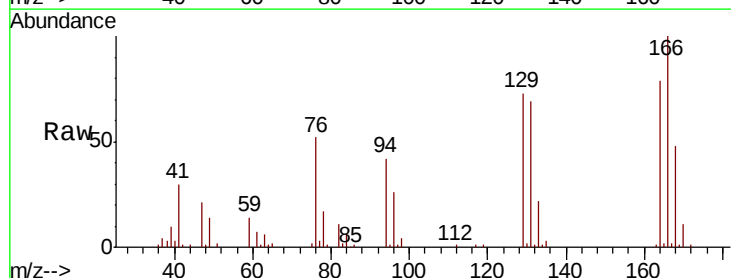


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

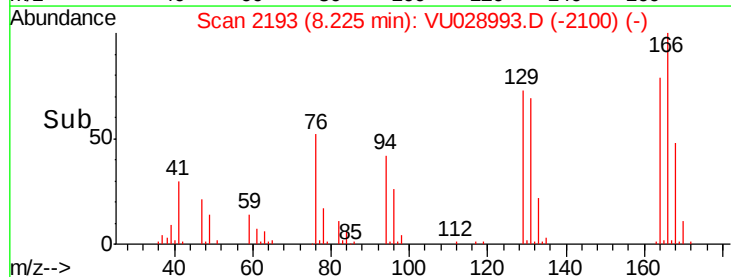
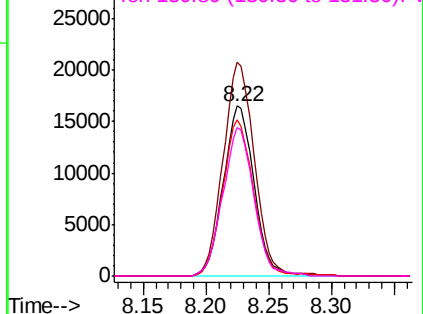


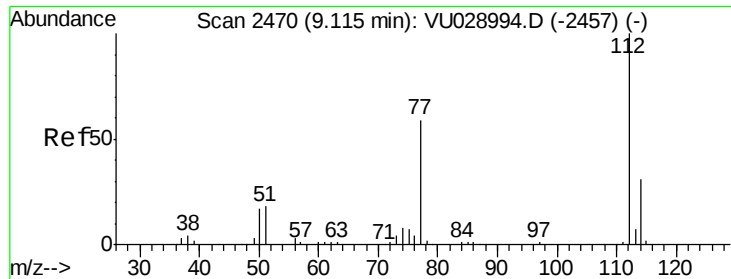
#64
Tetrachloroethene
Concen: 20.390 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU028993.D
Acq: 03 Jan 2019 13:29

Tgt Ion:164 Resp: 28111
Ion Ratio Lower Upper
164 100
166 125.9 99.4 149.0
129 91.7 70.5 105.7
131 87.4 69.0 103.6



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

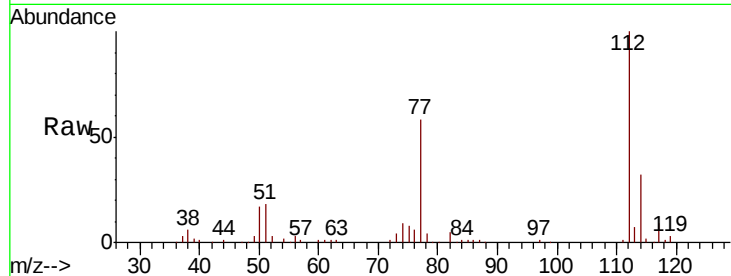




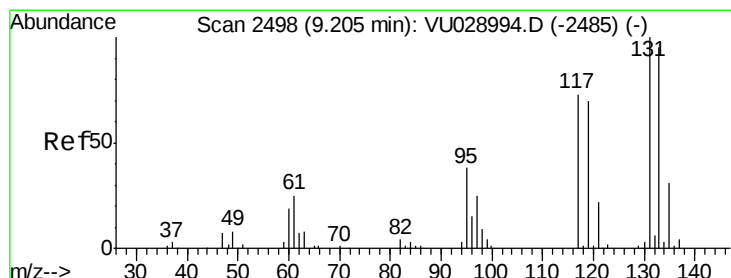
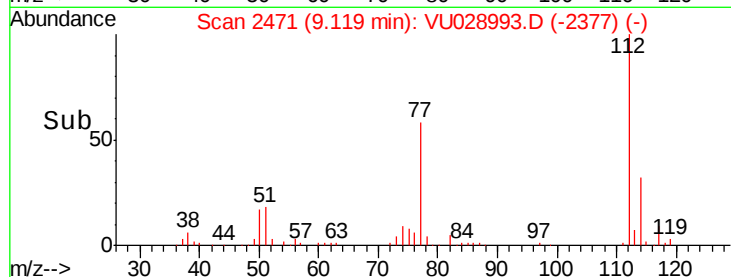
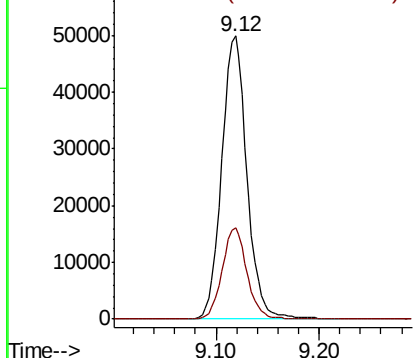
#65
Chlorobenzene
Concen: 19.822 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028993.D
Acq: 03 Jan 2019 13:29

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion:112 Resp: 85038
Ion Ratio Lower Upper
112 100
114 32.1 25.0 37.6

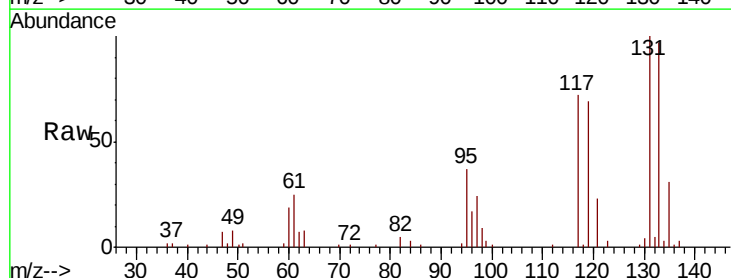


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

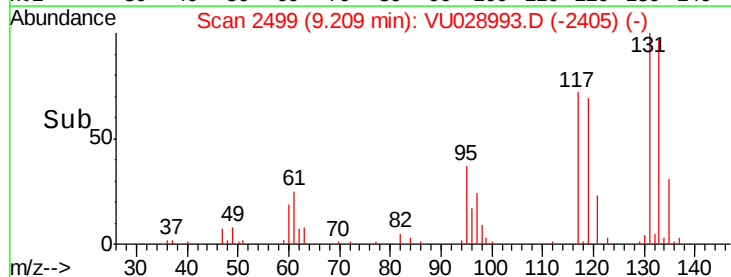
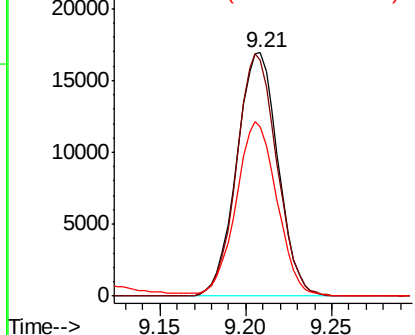


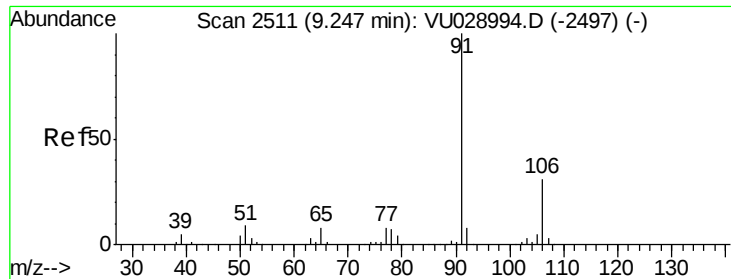
#66
1,1,1,2-Tetrachloroethane
Concen: 20.323 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028993.D
Acq: 03 Jan 2019 13:29

Tgt Ion:131 Resp: 28294
Ion Ratio Lower Upper
131 100
133 97.0 48.2 144.6
119 71.2 35.4 106.3



Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V

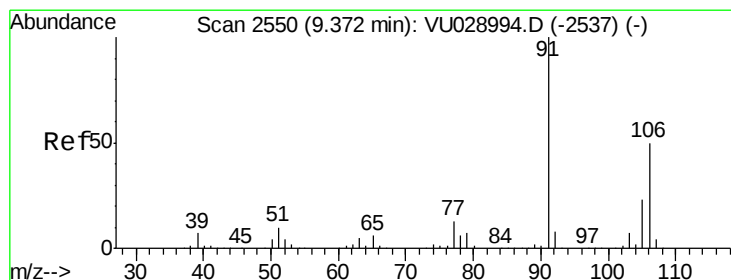
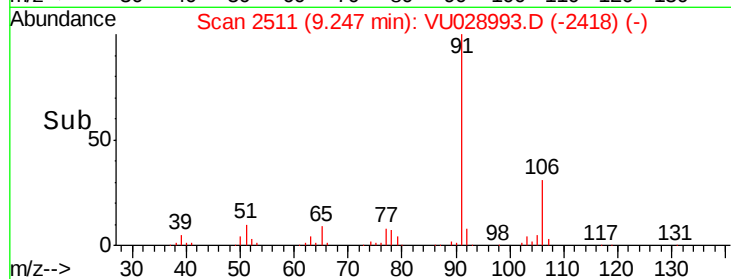
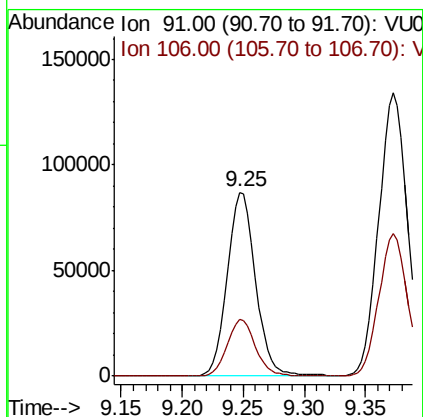
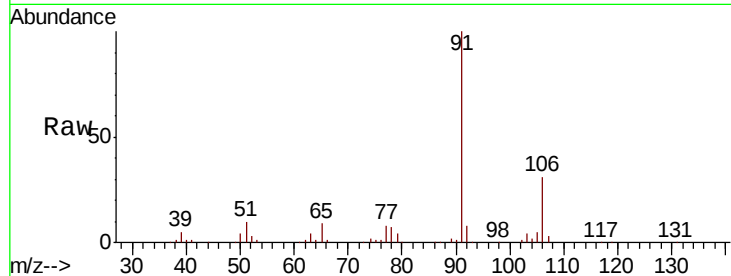




#67
 Ethyl Benzene
 Concen: 19.838 ug/l
 RT: 9.25 min Scan# 2511
 Delta R.T. 0.00 min
 Lab File: VU028993.D
 Acq: 03 Jan 2019 13:29

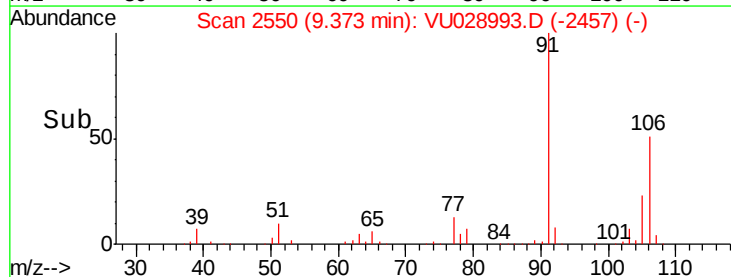
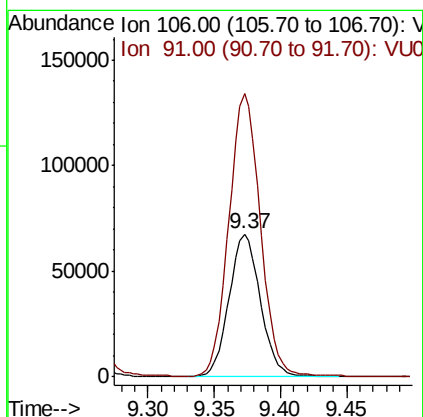
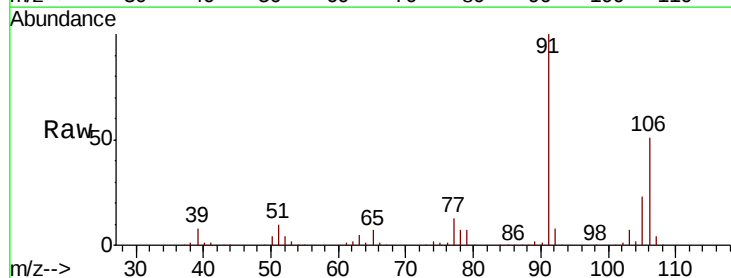
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tgt Ion: 91 Resp: 142084
 Ion Ratio Lower Upper
 91 100
 106 30.6 25.0 37.4



#68
 m/p-Xylenes
 Concen: 40.122 ug/l
 RT: 9.37 min Scan# 2550
 Delta R.T. 0.00 min
 Lab File: VU028993.D
 Acq: 03 Jan 2019 13:29

Tgt Ion: 106 Resp: 111658
 Ion Ratio Lower Upper
 106 100
 91 198.2 161.7 242.5

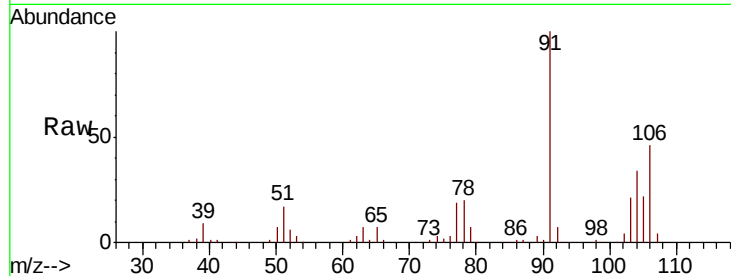




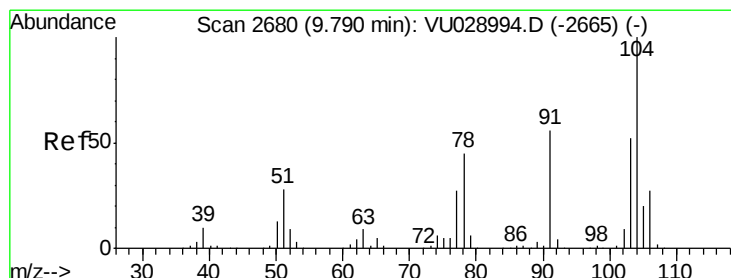
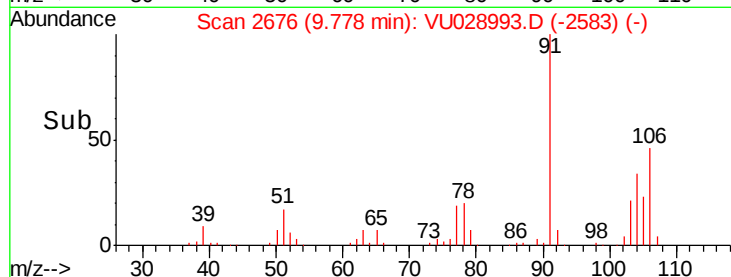
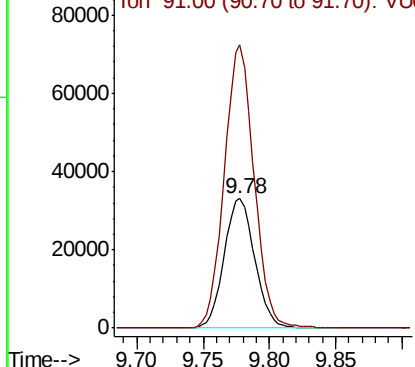
#69
o-Xylene
Concen: 19.833 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028993.D
Acq: 03 Jan 2019 13:29

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 53181
Ion Ratio Lower Upper
106 100
91 212.1 106.1 318.3

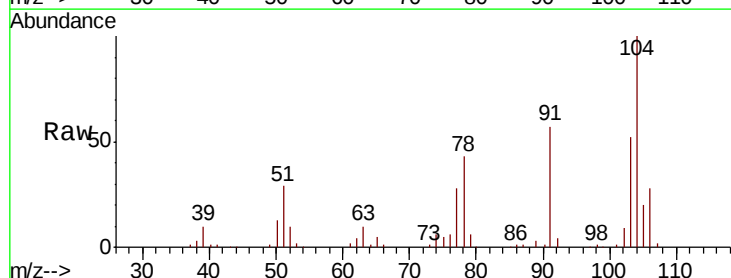


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

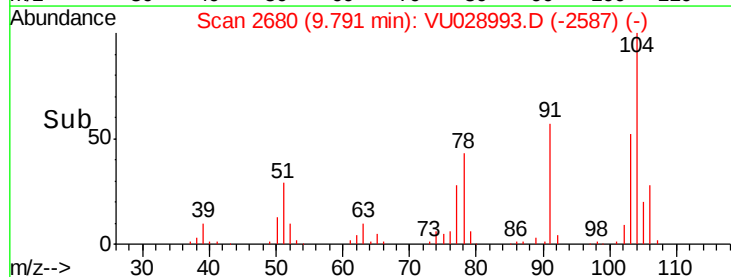
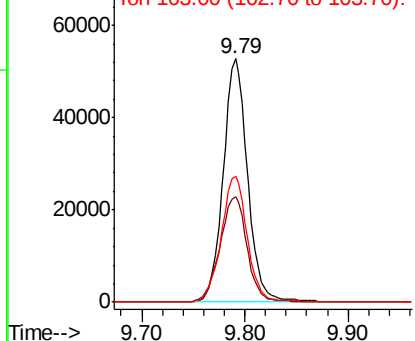


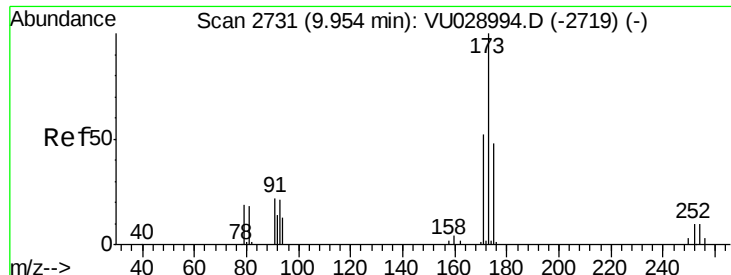
#70
Styrene
Concen: 19.754 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU028993.D
Acq: 03 Jan 2019 13:29

Tgt Ion:104 Resp: 86836
Ion Ratio Lower Upper
104 100
78 48.1 38.6 58.0
103 55.2 44.5 66.7



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: 19.843 ug/l

RT: 9.95 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VU028993.D

Acq: 03 Jan 2019 13:29

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

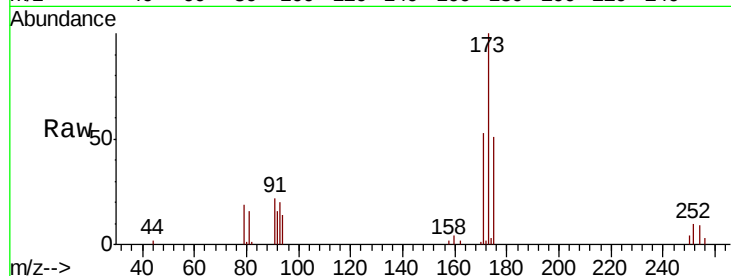
Tgt Ion:173 Resp: 24598

Ion Ratio Lower Upper

173 100

175 49.0 23.8 71.2

254 0.0 0.0 0.0

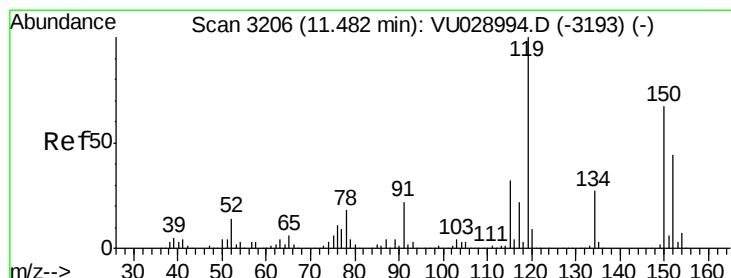
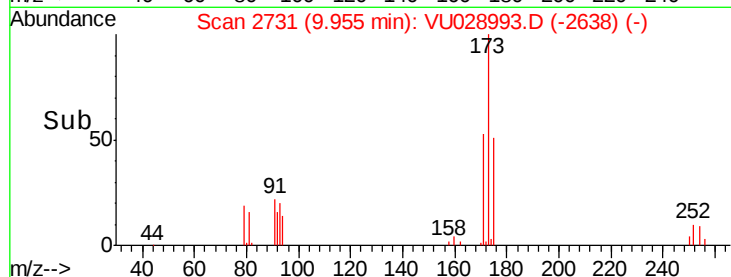
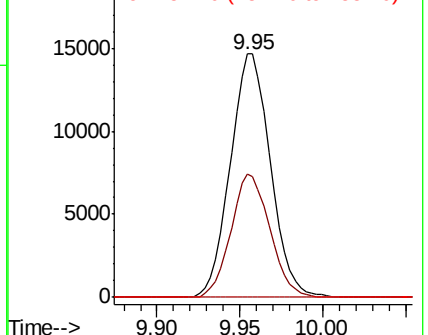


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU028993.D

Acq: 03 Jan 2019 13:29

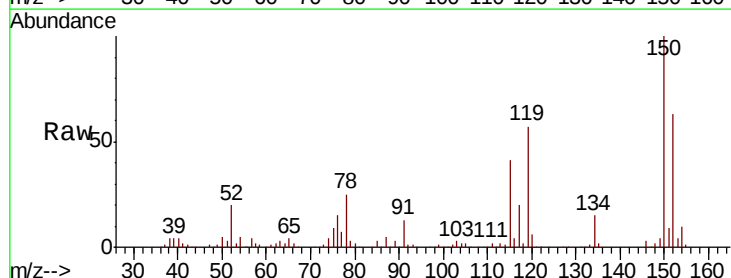
Tgt Ion:152 Resp: 92049

Ion Ratio Lower Upper

152 100

115 66.3 40.1 120.3

150 163.0 0.0 345.2

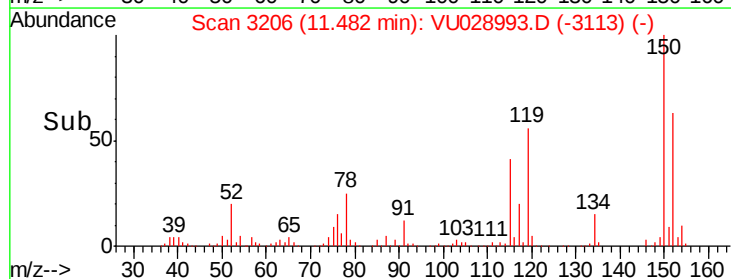
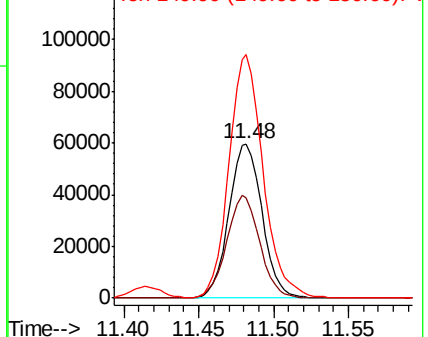


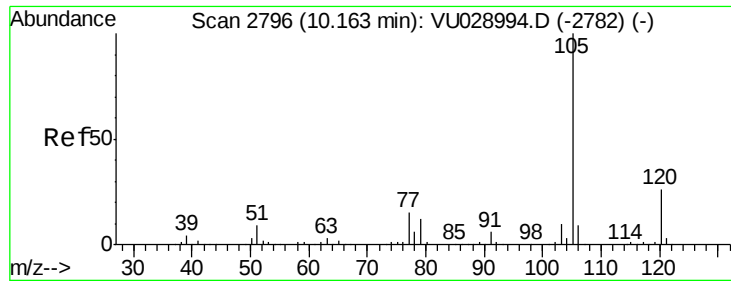
Abundance

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: 20.213 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU028993.D

Acq: 03 Jan 2019 13:29

Instrument :

MSVOA_U

ClientSampleId :

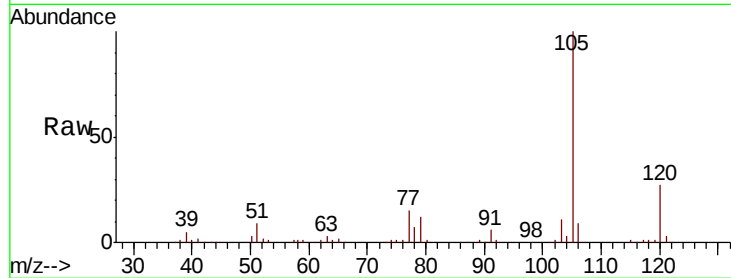
VSTDIC020

Tgt Ion: 105 Resp: 137719

Ion Ratio Lower Upper

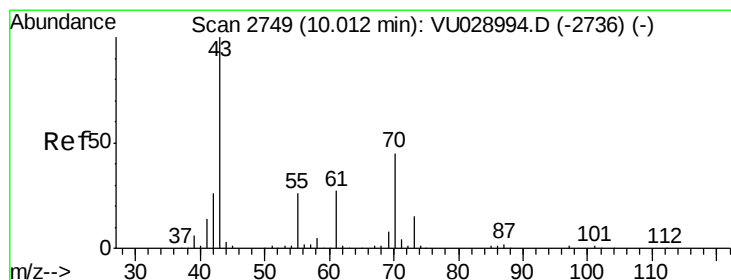
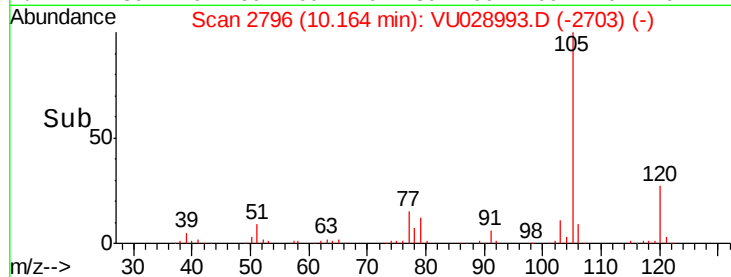
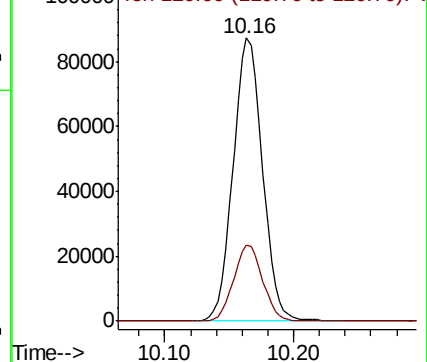
105 100

120 26.5 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.071 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU028993.D

Acq: 03 Jan 2019 13:29

Tgt Ion: 43 Resp: 58928

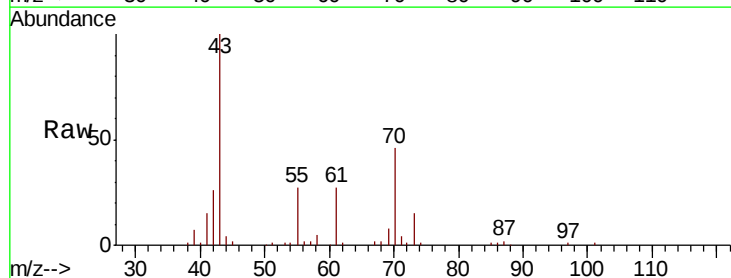
Ion Ratio Lower Upper

43 100

70 45.0 36.3 54.5

55 26.3 20.5 30.7

61 27.1 21.8 32.8

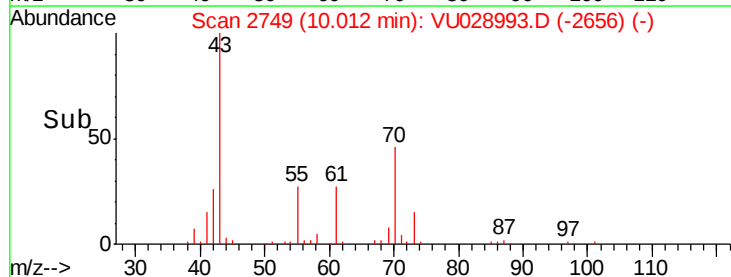
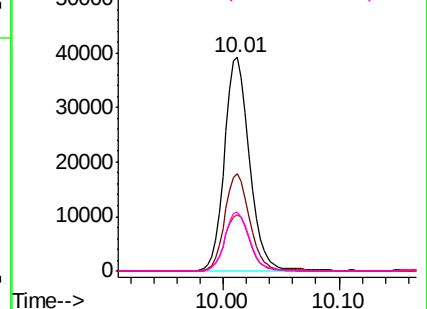


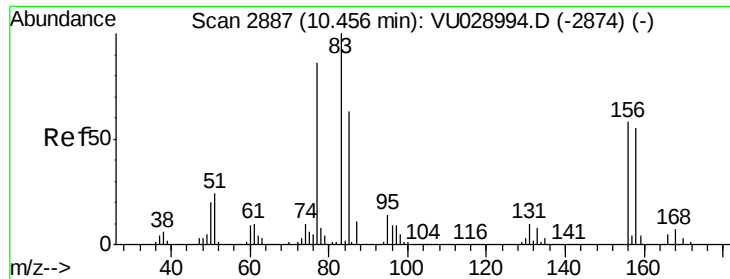
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.194 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU028993.D

Acq: 03 Jan 2019 13:29

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

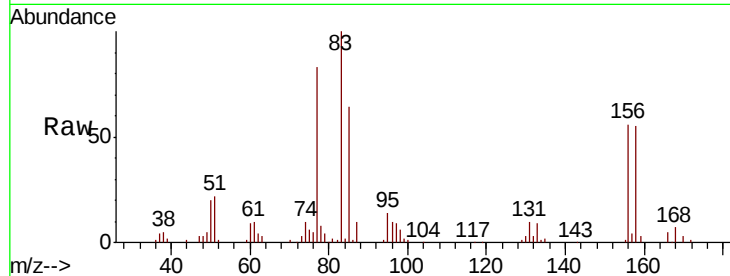
Tgt Ion: 83 Resp: 55144

Ion Ratio Lower Upper

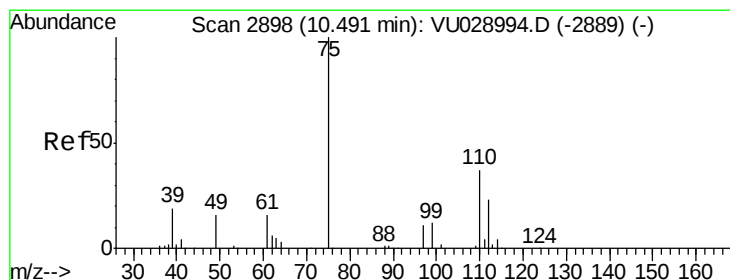
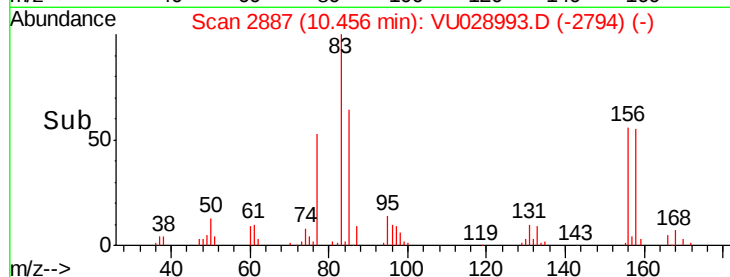
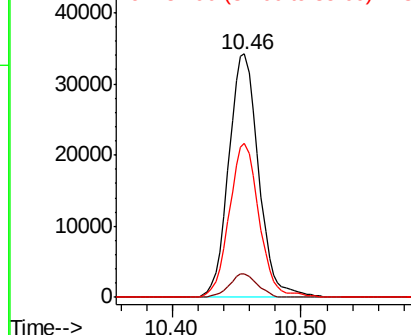
83 100

131 9.0 4.7 14.1

85 63.1 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 130.80 (130.50 to 131.50): VU0
Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 27.146 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VU028993.D

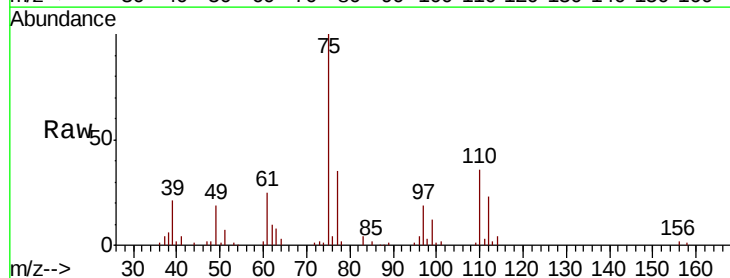
Acq: 03 Jan 2019 13:29

Tgt Ion: 75 Resp: 63417

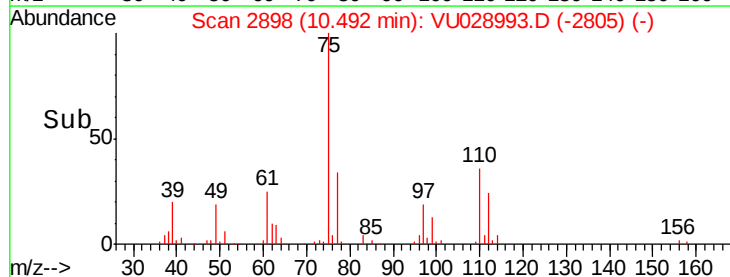
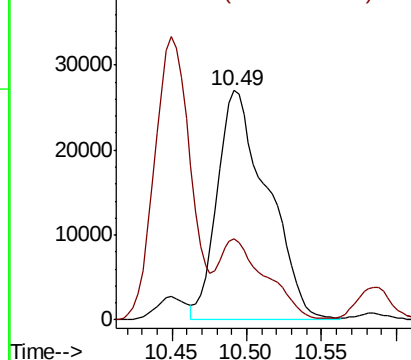
Ion Ratio Lower Upper

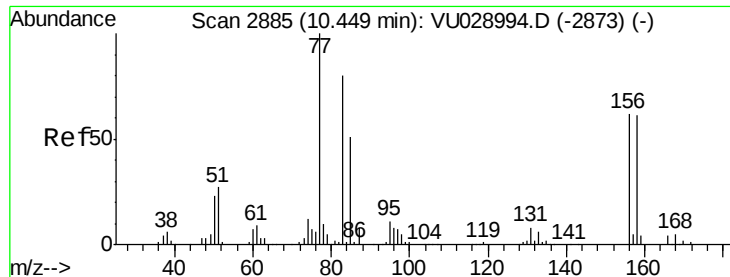
75 100

77 33.4 20.9 62.8



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 20.090 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU028993.D

Acq: 03 Jan 2019 13:29

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

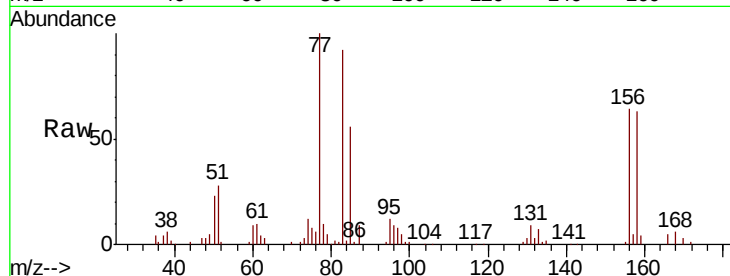
Tgt Ion:156 Resp: 35670

Ion Ratio Lower Upper

156 100

77 155.4 79.0 237.2

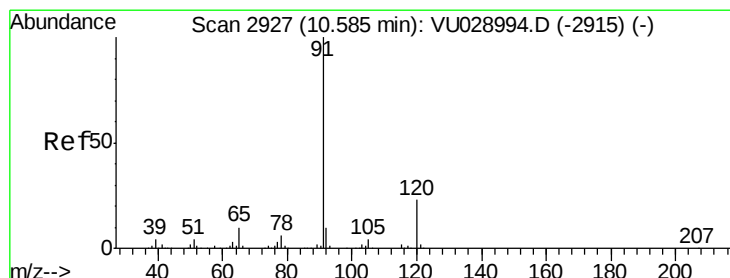
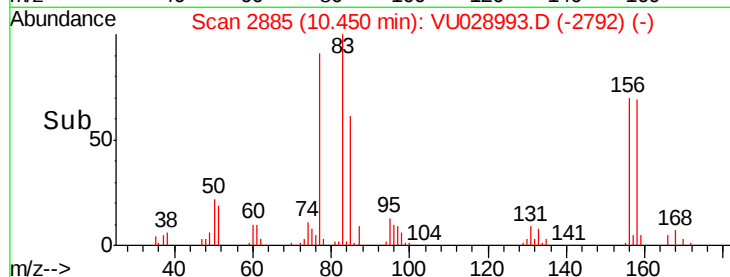
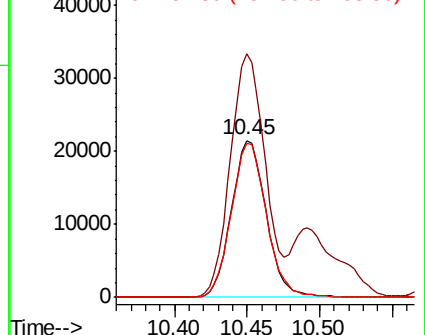
158 99.4 48.9 146.6



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: 20.289 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU028993.D

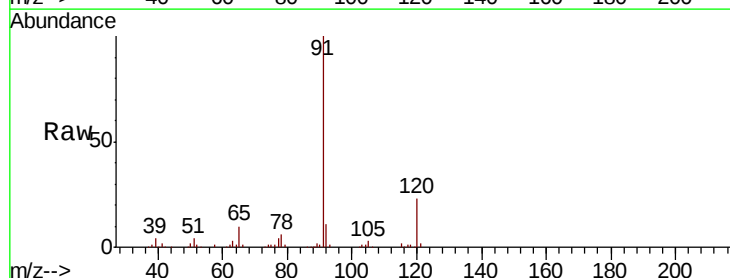
Acq: 03 Jan 2019 13:29

Tgt Ion: 91 Resp: 162908

Ion Ratio Lower Upper

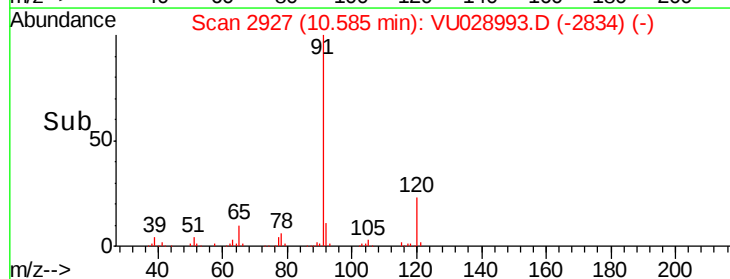
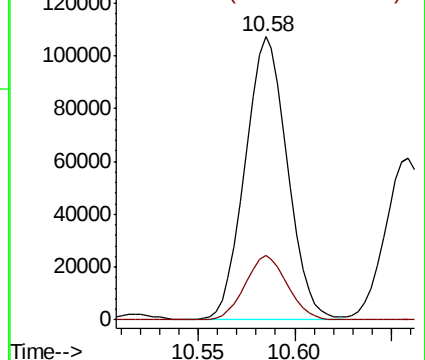
91 100

120 22.7 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

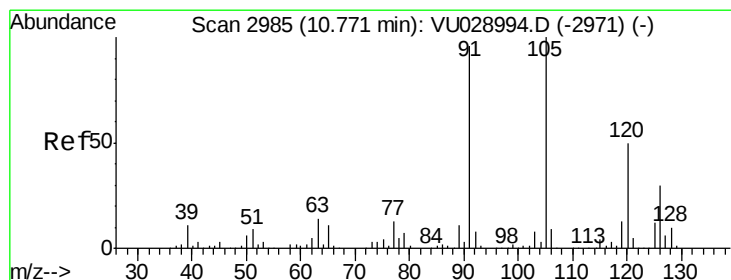
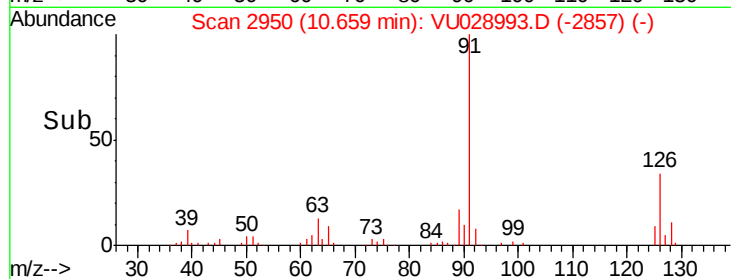
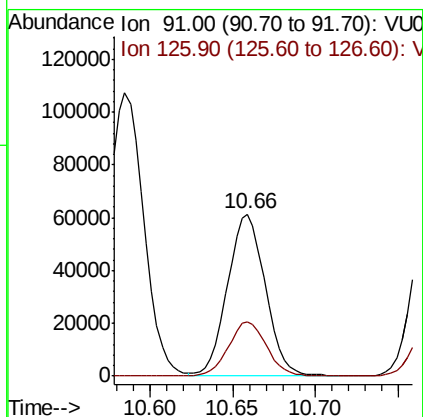
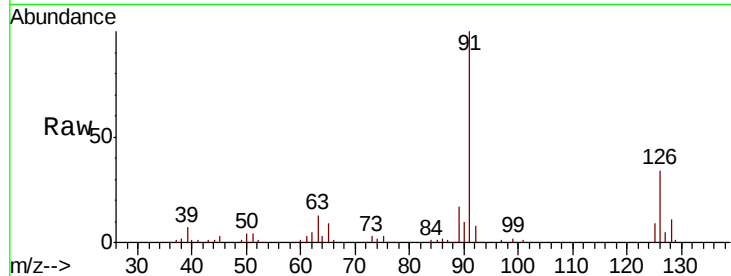




#79
 2-Chlorotoluene
 Concen: 19.852 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU028993.D
 Acq: 03 Jan 2019 13:29

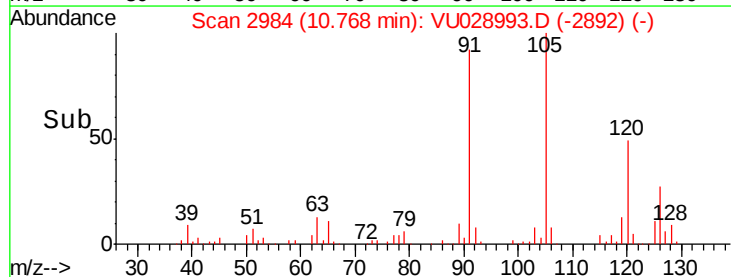
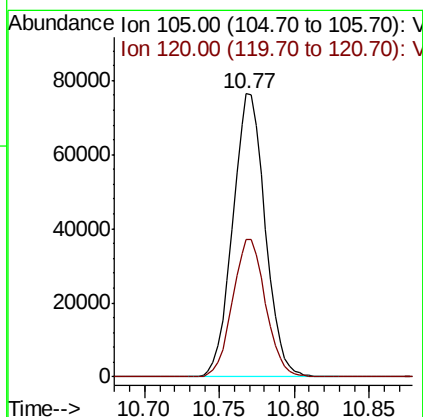
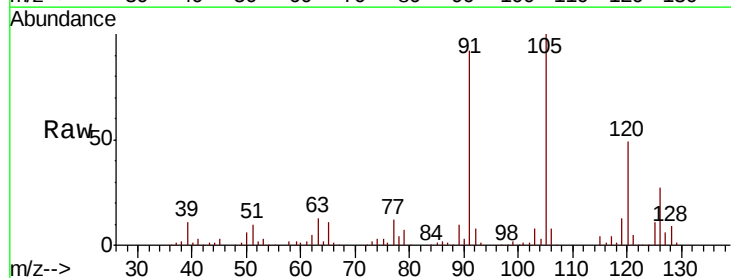
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

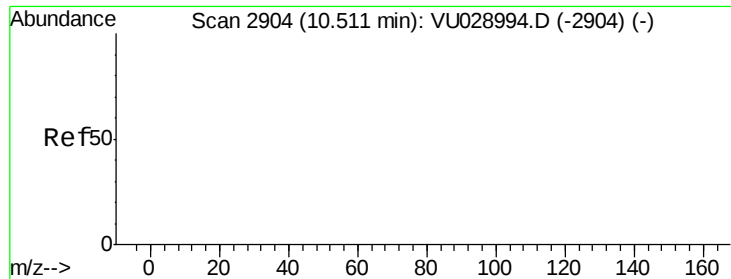
Tgt Ion: 91 Resp: 96694
 Ion Ratio Lower Upper
 91 100
 126 33.8 16.8 50.4



#80
 1,3,5-Trimethylbenzene
 Concen: 20.301 ug/l
 RT: 10.77 min Scan# 2984
 Delta R.T. -0.00 min
 Lab File: VU028993.D
 Acq: 03 Jan 2019 13:29

Tgt Ion: 105 Resp: 115504
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 56.951 ug/l

RT: 10.49 min Scan# 2898

Delta R.T. -0.02 min

Lab File: VU028993.D

Acq: 03 Jan 2019 13:29

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

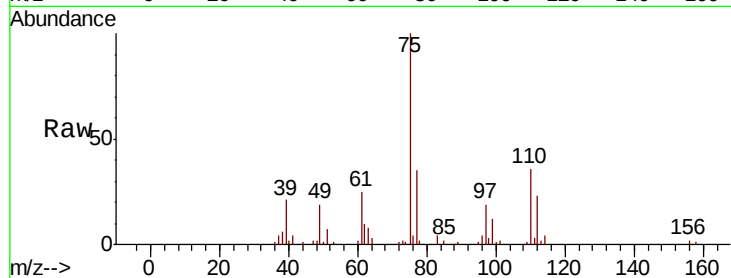
Tgt Ion: 75 Resp: 63417

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

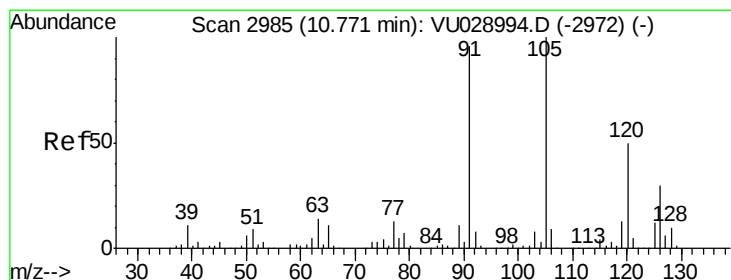
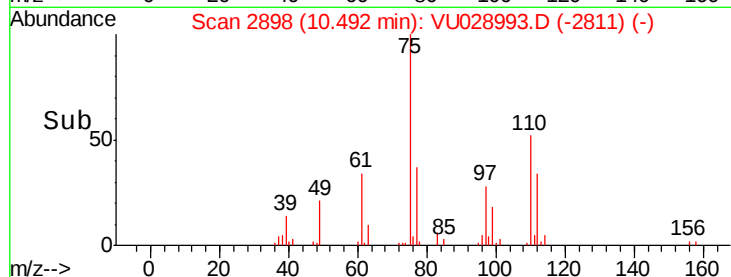
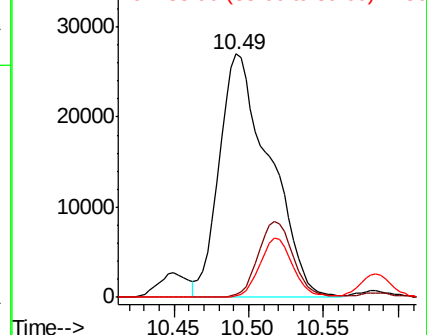
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU028993.D (-2898) (-)

Ion 53.00 (52.70 to 53.70): VU028993.D (-2898) (-)

Ion 88.90 (88.60 to 89.60): VU028993.D (-2898) (-)



#82

4-Chlorotoluene

Concen: 19.515 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028993.D

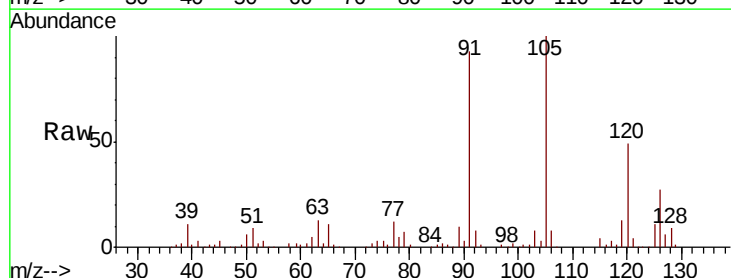
Acq: 03 Jan 2019 13:29

Tgt Ion: 91 Resp: 108993

Ion Ratio Lower Upper

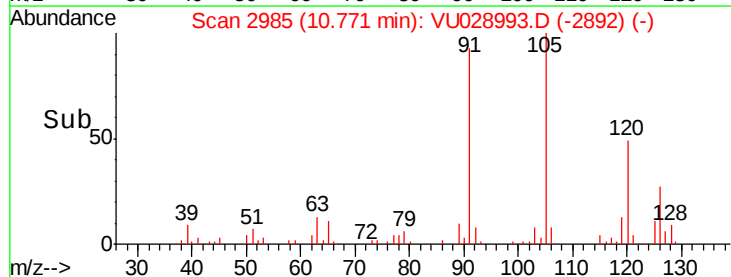
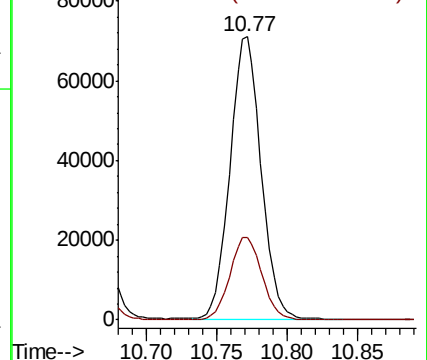
91 100

126 30.3 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VU028993.D (-2892) (-)

Ion 125.90 (125.60 to 126.60): VU028993.D (-2892) (-)

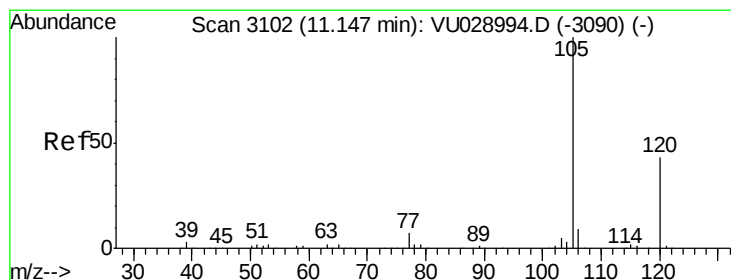
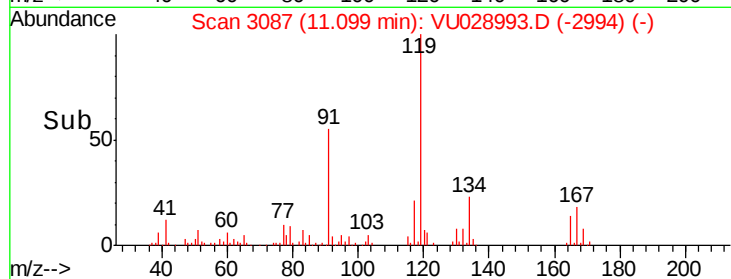
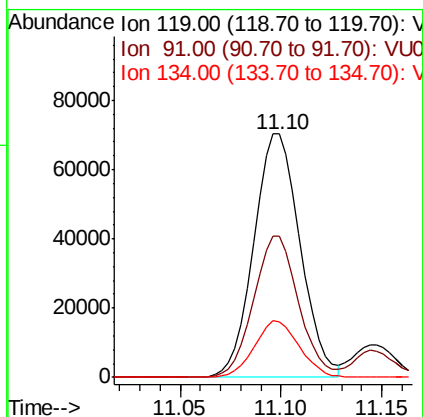
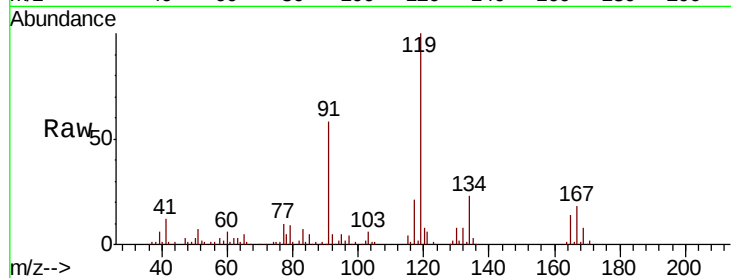




#83
tert-Butylbenzene
Concen: 20.119 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU028993.D
Acq: 03 Jan 2019 13:29

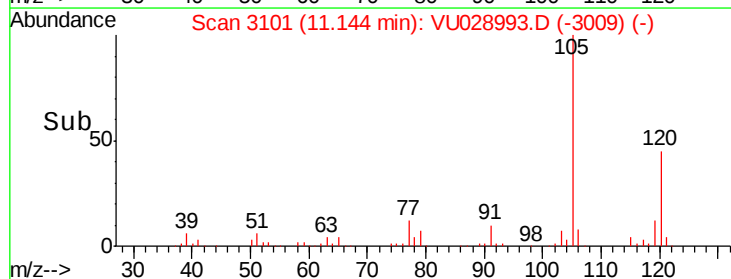
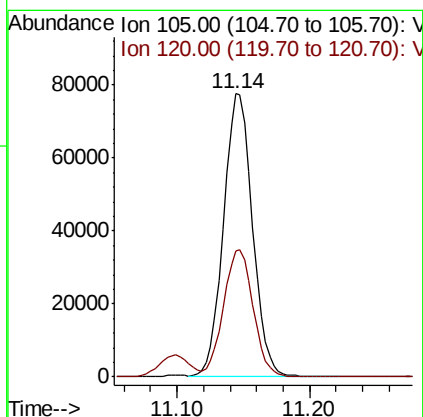
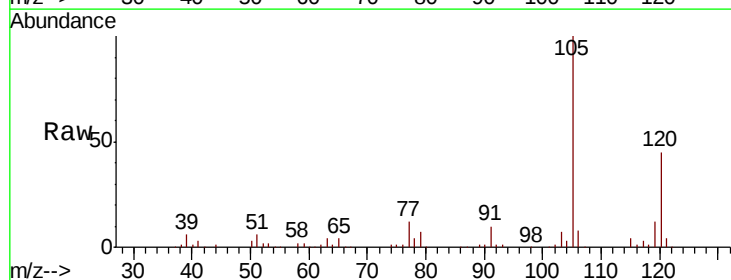
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

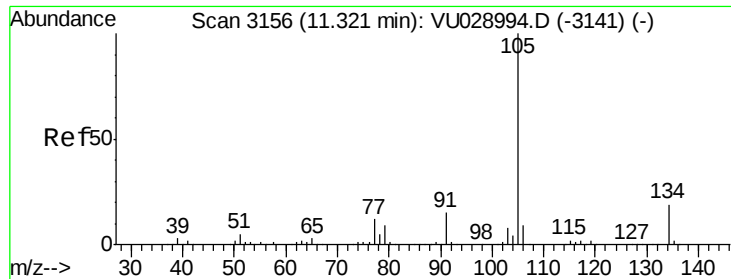
Tgt Ion:119 Resp: 112826
Ion Ratio Lower Upper
119 100
91 56.4 28.2 84.6
134 22.5 11.3 33.8



#84
1,2,4-Trimethylbenzene
Concen: 20.755 ug/l
RT: 11.14 min Scan# 3101
Delta R.T. -0.00 min
Lab File: VU028993.D
Acq: 03 Jan 2019 13:29

Tgt Ion:105 Resp: 117901
Ion Ratio Lower Upper
105 100
120 46.0 23.1 69.3





#85

sec-Butylbenzene

Concen: 20.287 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VU028993.D

Acq: 03 Jan 2019 13:29

Instrument :

MSVOA_U

ClientSampleId :

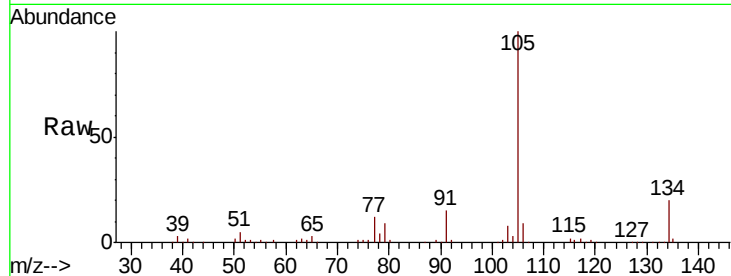
VSTDIC020

Tgt Ion:105 Resp: 137586

Ion Ratio Lower Upper

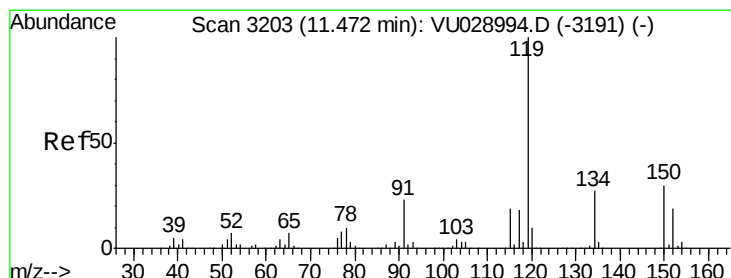
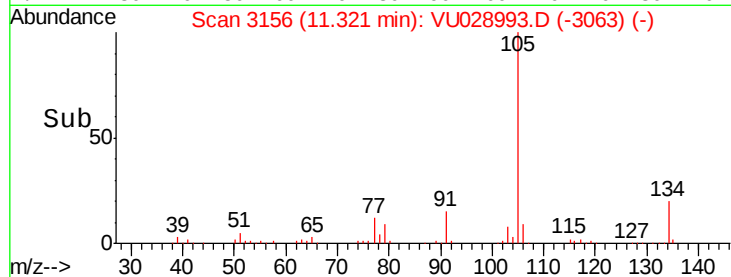
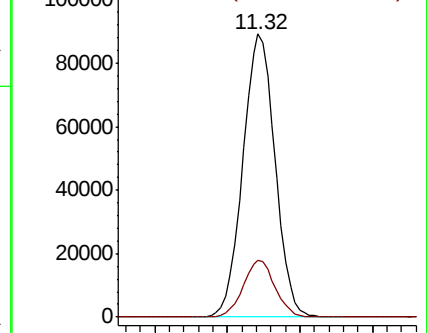
105 100

134 19.8 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.097 ug/l

RT: 11.47 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VU028993.D

Acq: 03 Jan 2019 13:29

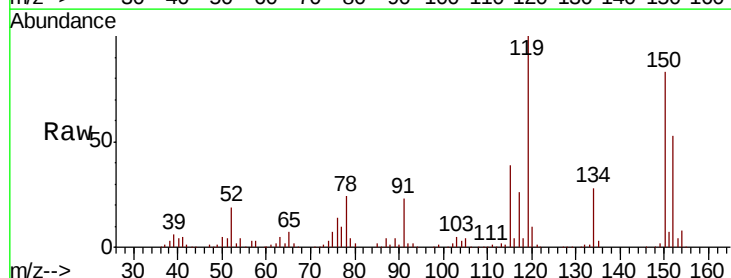
Tgt Ion:119 Resp: 116146

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

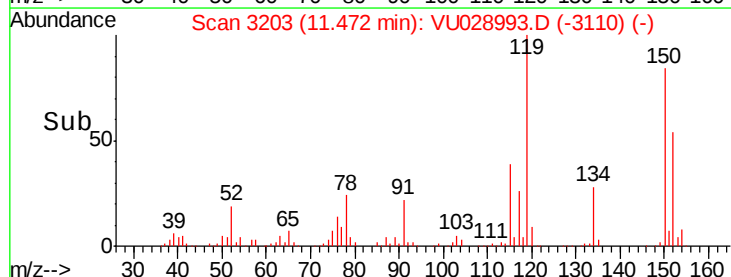
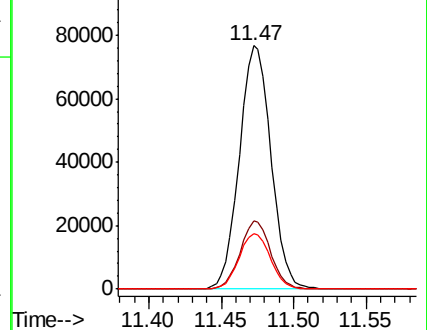
91 22.7 11.3 33.8

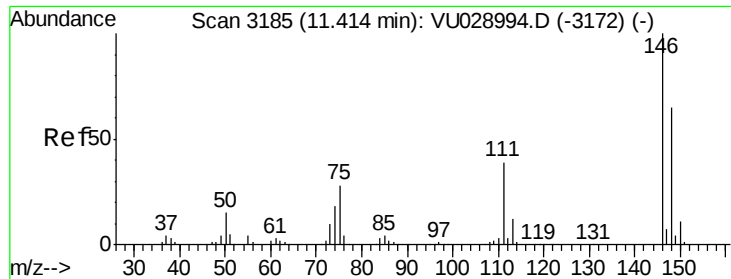


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

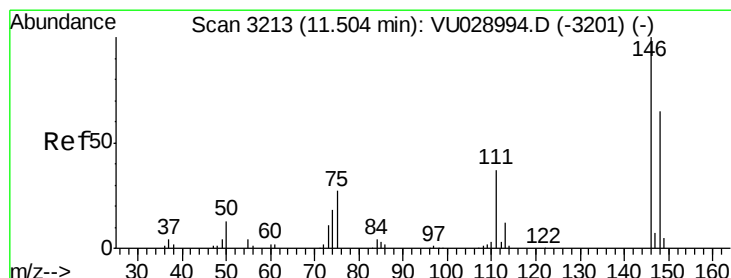
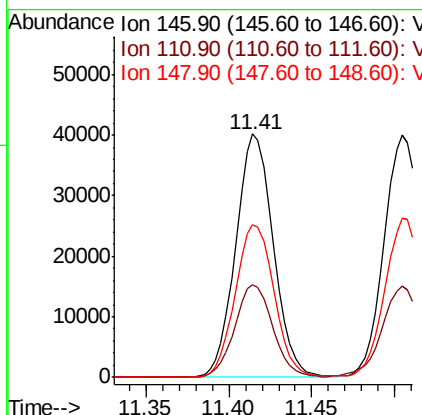
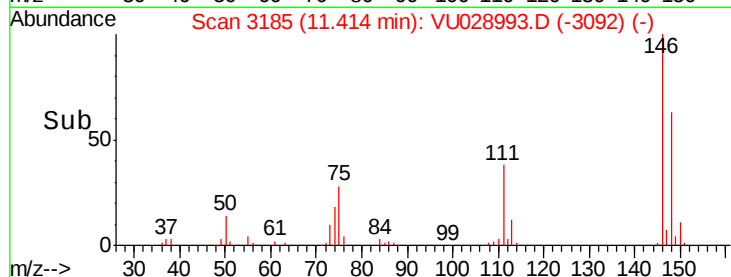
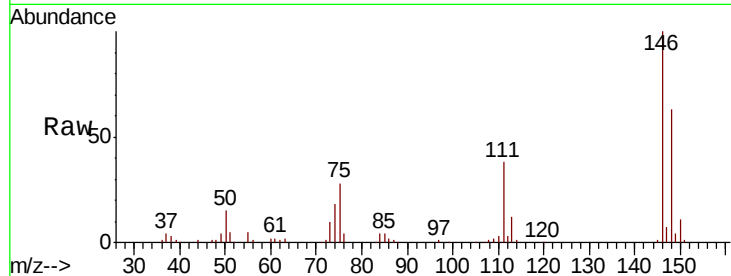




#87
 1,3-Dichlorobenzene
 Concen: 19.483 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: VU028993.D
 Acq: 03 Jan 2019 13:29

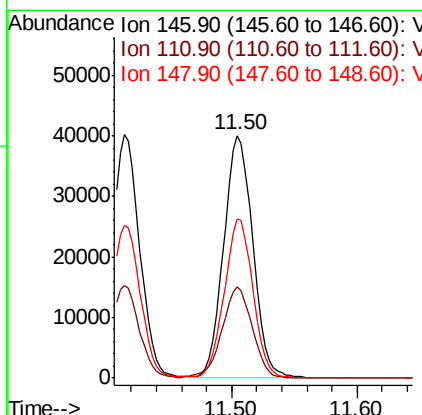
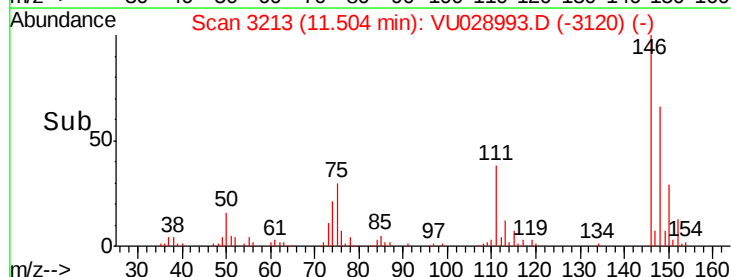
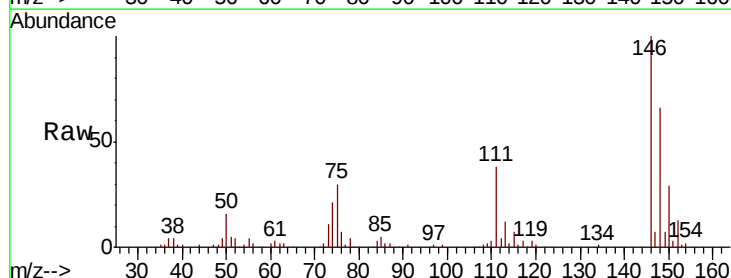
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

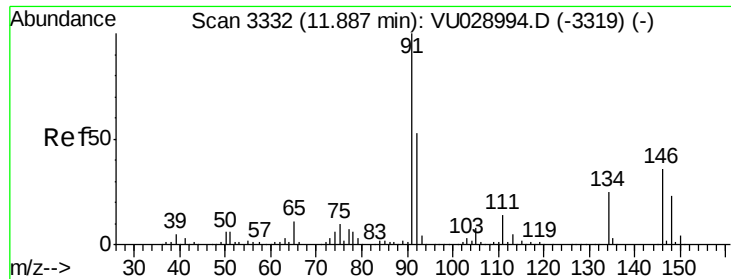
Tgt Ion:146 Resp: 63451
 Ion Ratio Lower Upper
 146 100
 111 38.5 19.3 57.8
 148 64.6 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 19.218 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VU028993.D
 Acq: 03 Jan 2019 13:29

Tgt Ion:146 Resp: 64605
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.1 57.3
 148 64.6 32.6 98.0





#89

n-Butylbenzene

Concen: 19.564 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VU028993.D

Acq: 03 Jan 2019 13:29

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

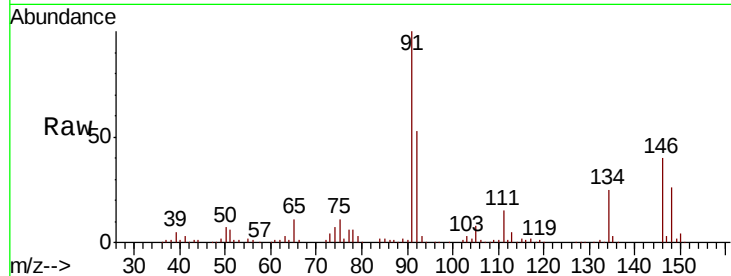
Tgt Ion: 91 Resp: 100912

Ion Ratio Lower Upper

91 100

92 52.6 26.2 78.5

134 25.0 12.6 37.6

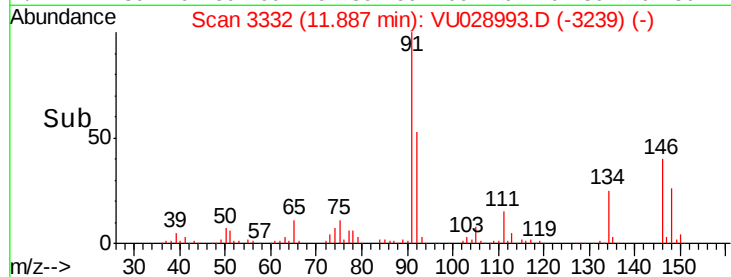


Abundance Ion 91.00 (90.70 to 91.70): VU028993.D (-3319) (-)

Ion 92.00 (91.70 to 92.70): VU028993.D (-3319) (-)

Ion 134.00 (133.70 to 134.70): VU028993.D (-3319) (-)

Time-->

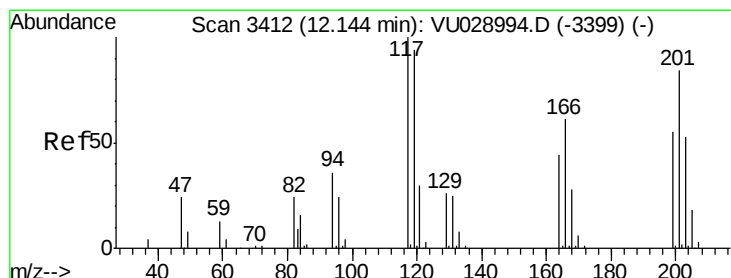


Abundance Ion 91.00 (90.70 to 91.70): VU028993.D (-3239) (-)

Ion 92.00 (91.70 to 92.70): VU028993.D (-3239) (-)

Ion 134.00 (133.70 to 134.70): VU028993.D (-3239) (-)

Time-->



#90

Hexachloroethane

Concen: 19.119 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VU028993.D

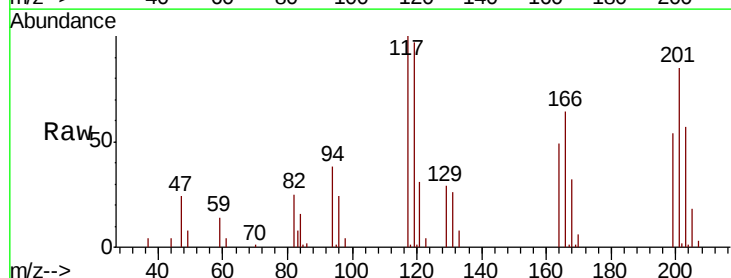
Acq: 03 Jan 2019 13:29

Tgt Ion: 117 Resp: 18588

Ion Ratio Lower Upper

117 100

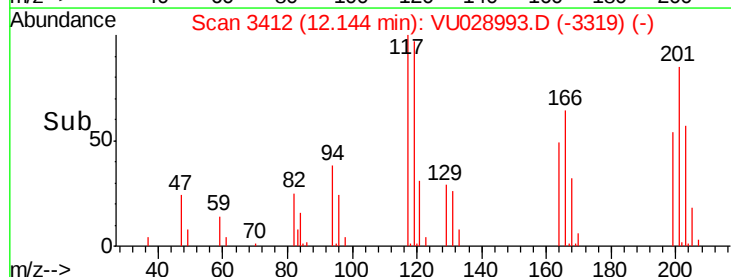
201 84.4 42.4 127.3



Abundance Ion 116.80 (116.50 to 117.50): VU028993.D (-3399) (-)

Ion 200.70 (200.40 to 201.40): VU028993.D (-3399) (-)

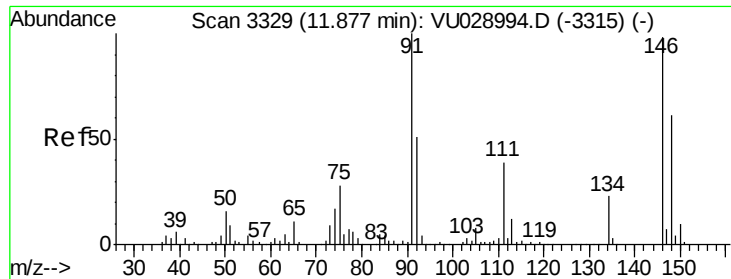
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VU028993.D (-3319) (-)

Ion 200.70 (200.40 to 201.40): VU028993.D (-3319) (-)

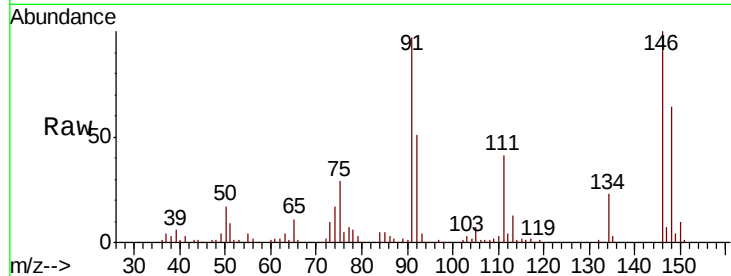
Time-->



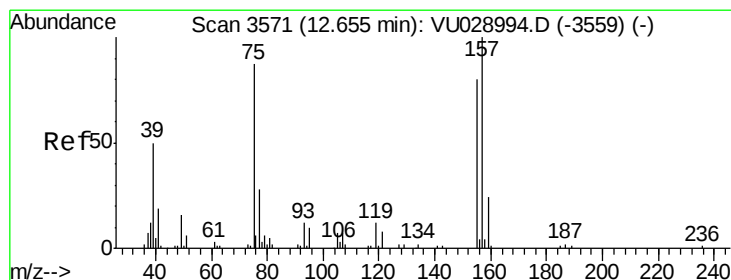
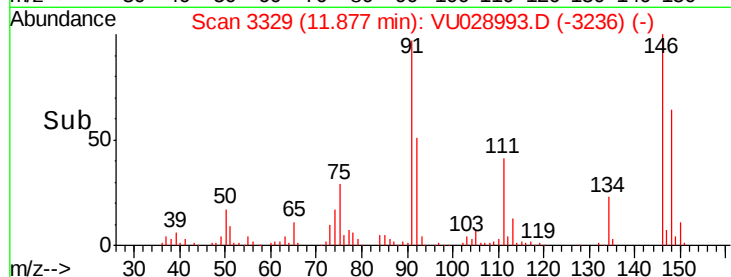
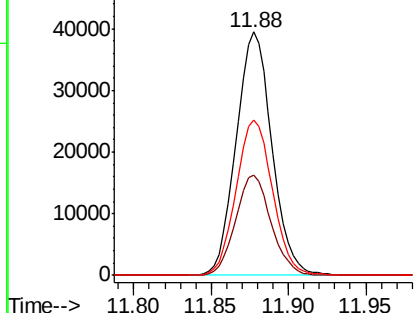
#91
 1,2-Dichlorobenzene
 Concen: 19.370 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU028993.D
 Acq: 03 Jan 2019 13:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tgt Ion: 146 Resp: 63537
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.0 59.9
 148 64.9 31.6 94.8

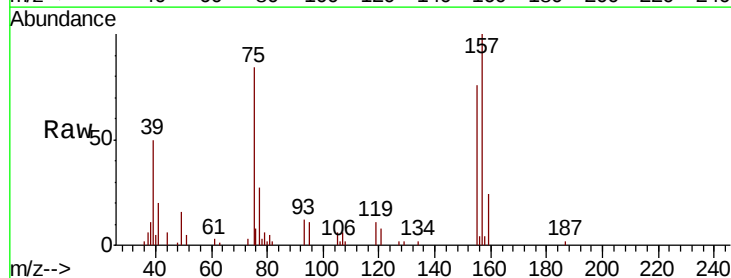


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

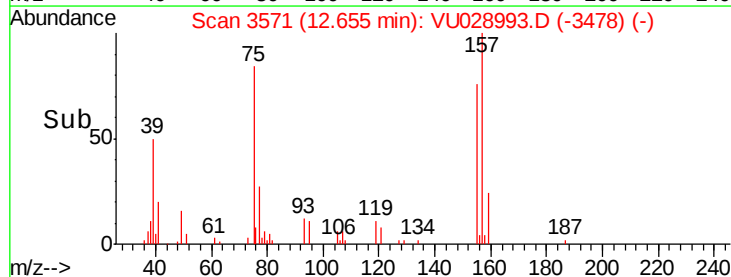
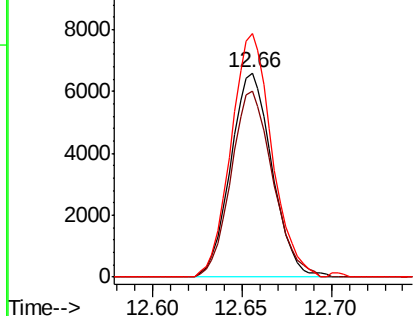


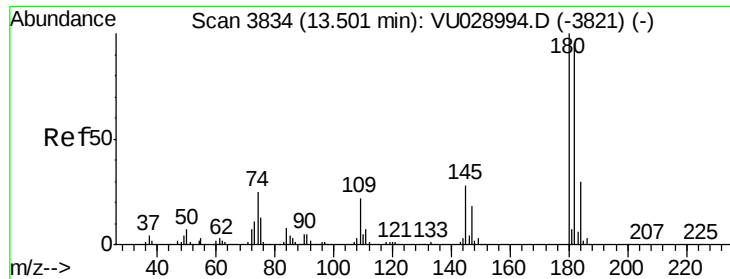
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.369 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU028993.D
 Acq: 03 Jan 2019 13:29

Tgt Ion: 75 Resp: 10698
 Ion Ratio Lower Upper
 75 100
 155 91.6 46.3 138.8
 157 117.4 57.4 172.0



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

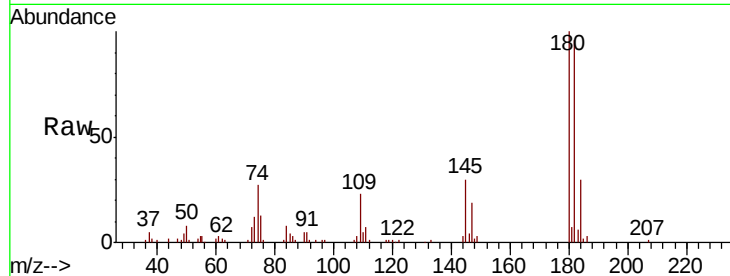




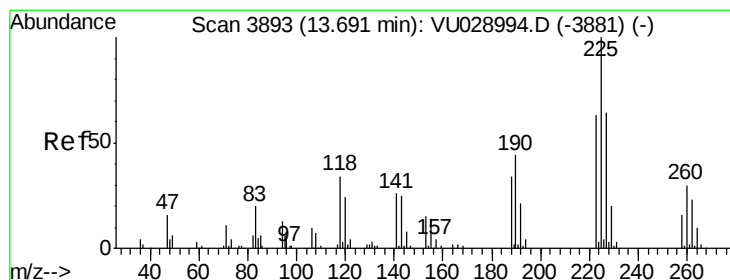
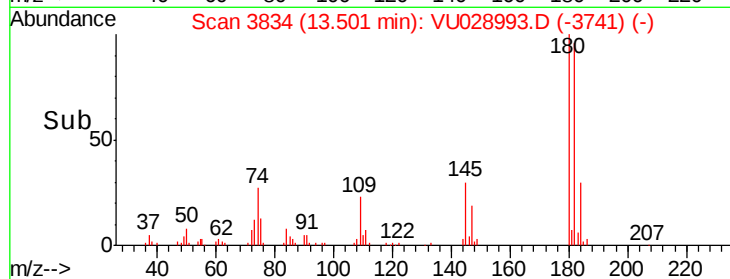
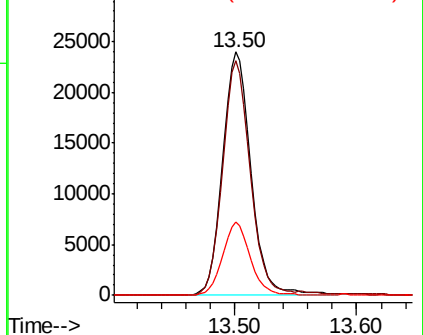
#93
 1,2,4-Trichlorobenzene
 Concen: 18.805 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU028993.D
 Acq: 03 Jan 2019 13:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tgt Ion:180 Resp: 39376
 Ion Ratio Lower Upper
 180 100
 182 94.7 47.5 142.6
 145 29.1 14.0 42.0

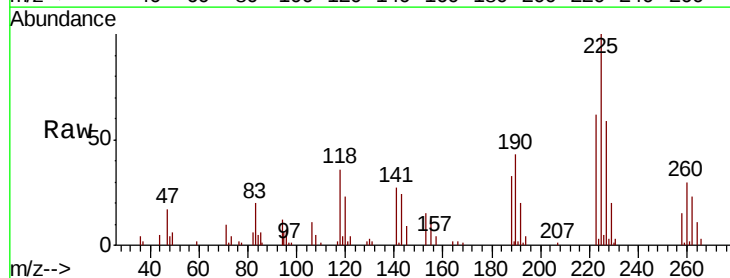


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

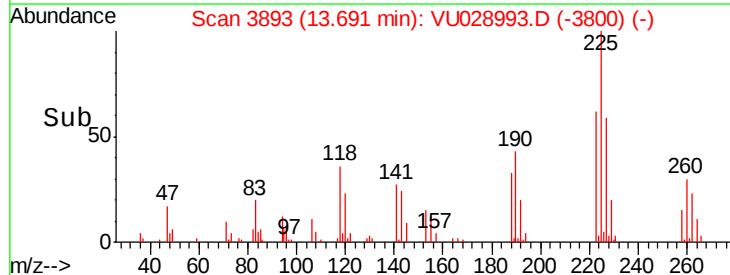
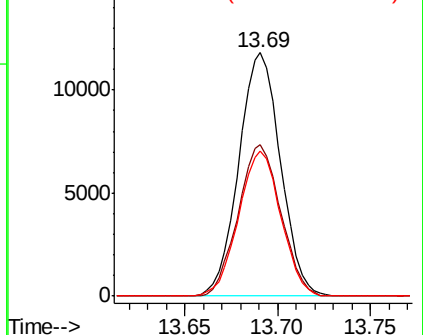


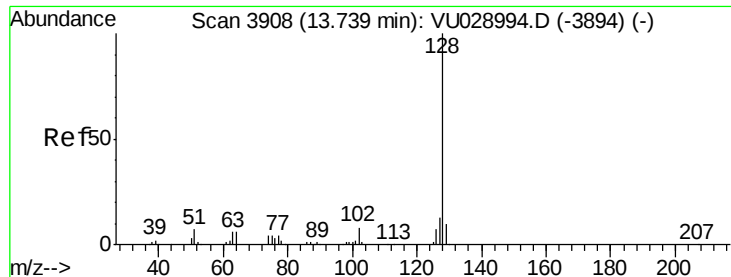
#94
 Hexachlorobutadiene
 Concen: 19.253 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU028993.D
 Acq: 03 Jan 2019 13:29

Tgt Ion:225 Resp: 18440
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.4 94.0
 227 60.2 31.9 95.5



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

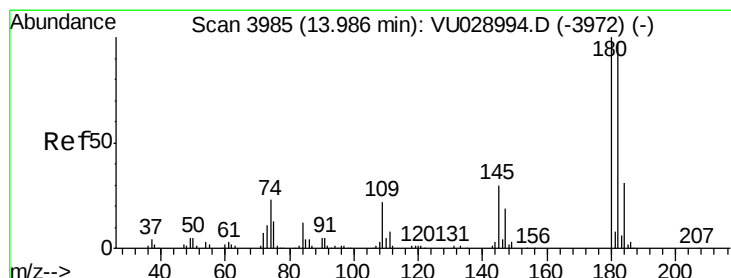
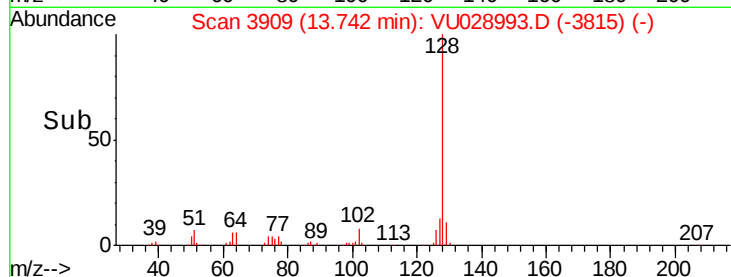
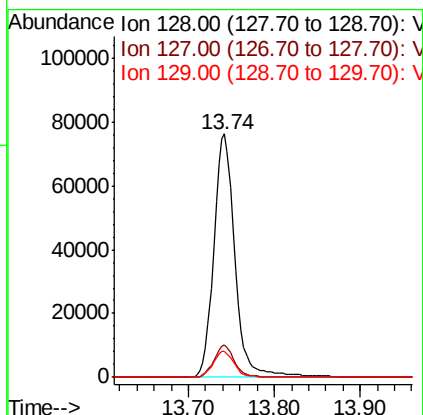
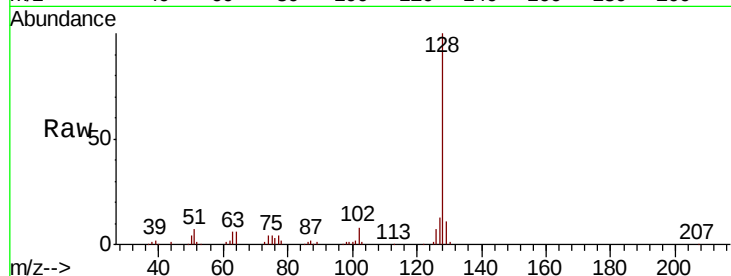




#95
Naphthalene
Concen: 18.403 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028993.D
Acq: 03 Jan 2019 13:29

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 131086
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 10.7 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 18.504 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028993.D
Acq: 03 Jan 2019 13:29

Tgt Ion:180 Resp: 41198
Ion Ratio Lower Upper
180 100
182 94.2 48.1 144.3
145 29.1 14.8 44.4

