

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082919\
 Data File : VU034015.D
 Acq On : 28 Aug 2019 11:37
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Quant Time: Aug 29 03:19:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 03:17:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	406888	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	650493	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	618901	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	277756	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	6304	1.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.66%	
35) Dibromofluoromethane	4.86	113	6210	1.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.80%	
50) Toluene-d8	7.55	98	16356	0.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.98%	
62) 4-Bromofluorobenzene	10.30	95	7078	1.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.22%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.20	85	3426	0.816 ug/l	98
3) Chloromethane	1.32	50	8163	1.536 ug/l	100
4) Vinyl Chloride	1.40	62	5331	1.201 ug/l	96
5) Bromomethane	1.60	94	4216	1.627 ug/l	94
6) Chloroethane	1.68	64	3571	1.353 ug/l	92
7) Trichlorofluoromethane	1.87	101	6270	1.112 ug/l	97
8) Diethyl Ether	2.09	74	2669	1.218 ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.27	101	4137	1.160 ug/l	95
10) Methyl Iodide	2.40	142	4793	0.894 ug/l	96
11) Tert butyl alcohol	2.82	59	6455	5.347 ug/l #	92
12) 1,1-Dichloroethene	2.27	96	4121	1.105 ug/l	95
13) Acrolein	2.18	56	3473	8.517 ug/l #	76
14) Allyl chloride	2.58	41	7515	1.124 ug/l	99
15) Acrylonitrile	2.93	53	12321	4.957 ug/l	94
16) Acetone	2.31	43	13484	5.893 ug/l	96
17) Carbon Disulfide	2.46	76	13829	1.133 ug/l	96
18) Methyl Acetate	2.60	43	8796	1.565 ug/l	96
19) Methyl tert-butyl Ether	2.98	73	12047	0.964 ug/l	98
20) Methylene Chloride	2.69	84	5513	1.161 ug/l	98
21) trans-1,2-Dichloroethene	2.97	96	4311	1.023 ug/l	96
22) Diisopropyl ether	3.55	45	12705	1.033 ug/l #	56
23) Vinyl Acetate	3.51	43	50989	4.864 ug/l	97
24) 1,1-Dichloroethane	3.42	63	7790	1.026 ug/l #	98
25) 2-Butanone	4.26	43	14474	4.407 ug/l	99
26) 2,2-Dichloropropane	4.20	77	6485	1.015 ug/l	100
27) cis-1,2-Dichloroethene	4.20	96	4698	0.994 ug/l	97
28) Bromochloromethane	4.53	49	4108	1.164 ug/l #	99
29) Tetrahydrofuran	4.63	42	9569	4.677 ug/l	94
30) Chloroform	4.65	83	9130	1.182 ug/l	99
31) Cyclohexane	4.96	56	13516	1.923 ug/l #	9
32) 1,1,1-Trichloroethane	4.89	97	6608	1.022 ug/l #	49
36) 1,1-Dichloropropene	5.11	75	6259	1.027 ug/l	92
37) Ethyl Acetate	4.39	43	3672	0.591 ug/l #	71
38) Carbon Tetrachloride	5.11	117	5856	0.953 ug/l	98

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 ClientSampleID :
 VSTDIC001

Quant Time: Aug 29 03:19:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 03:17:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	6360	0.883	ug/l	97
40) Benzene	5.37	78	17362	0.957	ug/l	94
41) Methacrylonitrile	4.54	41	2719	0.840	ug/l #	87
42) 1,2-Dichloroethane	5.39	62	6328	1.028	ug/l	82
43) Isopropyl Acetate	5.54	43	9048	0.947	ug/l #	90
44) Trichloroethene	6.17	130	4559	0.896	ug/l	87
45) 1,2-Dichloropropane	6.41	63	4565	0.933	ug/l	99
46) Dibromomethane	6.54	93	3056	0.930	ug/l	95
47) Bromodichloromethane	6.74	83	6009	0.957	ug/l	97
48) Methyl methacrylate	6.62	41	4056	0.884	ug/l	99
49) 1,4-Dioxane	6.60	88	2236	18.436	ug/l #	90
51) 4-Methyl-2-Pentanone	7.45	43	29826	4.509	ug/l	97
52) Toluene	7.62	92	10091	0.884	ug/l	99
53) t-1,3-Dichloropropene	7.87	75	5847	0.836	ug/l	95
54) cis-1,3-Dichloropropene	7.26	75	6583	0.874	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	4287	0.884	ug/l	97
56) Ethyl methacrylate	8.01	69	5313	0.769	ug/l	95
57) 1,3-Dichloropropane	8.23	76	7314	0.927	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.12	63	11263	4.431	ug/l	98
59) 2-Hexanone	8.35	43	20557	4.047	ug/l	100
60) Dibromochloromethane	8.46	129	4551	0.844	ug/l	97
61) 1,2-Dibromoethane	8.57	107	4631	0.910	ug/l	98
64) Tetrachloroethene	8.21	164	4044	0.827	ug/l	95
65) Chlorobenzene	9.10	112	12013	0.929	ug/l	93
66) 1,1,1,2-Tetrachloroethane	9.19	131	4328	0.906	ug/l #	63
67) Ethyl Benzene	9.23	91	18673	0.861	ug/l	99
68) m/p-Xylenes	9.36	106	13639	1.636	ug/l	97
69) o-Xylene	9.77	106	6401	0.801	ug/l	92
70) Styrene	9.78	104	10082	0.737	ug/l	97
71) Bromoform	9.95	173	3595	0.850	ug/l #	95
73) Isopropylbenzene	10.15	105	15970	0.871	ug/l	95
74) N-amyl acetate	10.01	43	5907	0.838	ug/l	95
75) 1,1,2,2-Tetrachloroethane	10.44	83	7516	1.128	ug/l	98
76) 1,2,3-Trichloropropane	10.21	75	1933	0.338	ug/l	99
77) Bromobenzene	10.44	156	5002	0.974	ug/l	97
78) n-propylbenzene	10.57	91	19149	0.917	ug/l	98
79) 2-Chlorotoluene	10.65	91	11906	0.944	ug/l	99
80) 1,3,5-Trimethylbenzene	10.76	105	12455	0.794	ug/l	94
81) trans-1,4-Dichloro-2-buten	10.48	75	7920	4.123	ug/l #	100
82) 4-Chlorotoluene	10.76	91	13648	0.938	ug/l	95
83) tert-Butylbenzene	11.08	119	13760	0.901	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	12022	0.779	ug/l	94
85) sec-Butylbenzene	11.31	105	15095	0.829	ug/l	98
86) p-Isopropyltoluene	11.46	119	13380	0.789	ug/l	90
87) 1,3-Dichlorobenzene	11.40	146	8429	0.927	ug/l	96
88) 1,4-Dichlorobenzene	11.40	146	8429	0.919	ug/l	96
89) n-Butylbenzene	11.87	91	11341	0.792	ug/l	91
90) Hexachloroethane	12.13	117	2771	0.984	ug/l	94
91) 1,2-Dichlorobenzene	11.87	146	7578	0.848	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	12.66	75	1235	0.935	ug/l	80

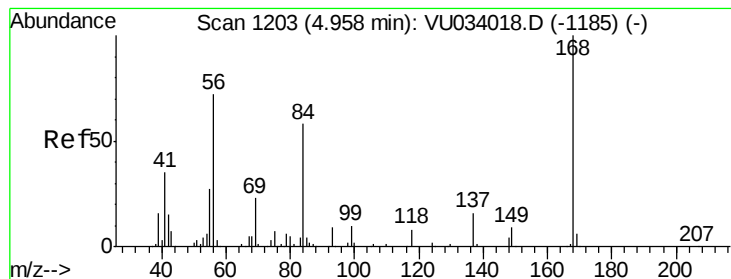
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082919\
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ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

Quant Time: Aug 29 03:19:36 2019
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Quant Title : SW846 8260
QLast Update : Thu Aug 29 03:17:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.53	180	1874	0.343	ug/l #	17
94) Hexachlorobutadiene	13.68	225	2986	0.823	ug/l	95
95) Naphthalene	13.75	128	3574	0.246	ug/l #	88
96) 1,2,3-Trichlorobenzene	13.98	180	3097	0.548	ug/l	91

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

ClientSampleId :

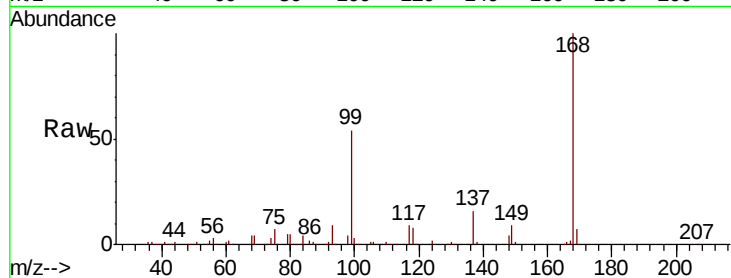
VSTDIC001

Tgt Ion:168 Resp: 406888

Ion Ratio Lower Upper

168 100

99 53.2 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VU034018.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU034015.D (-1110) (-)

4.96

200000

150000

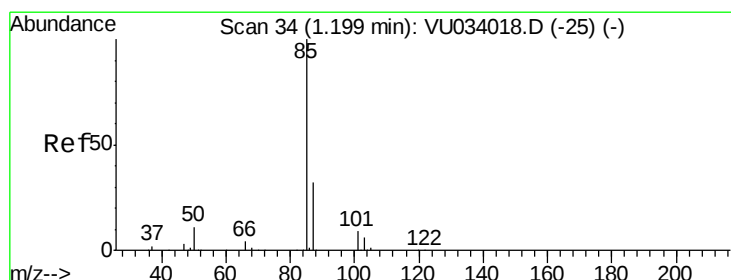
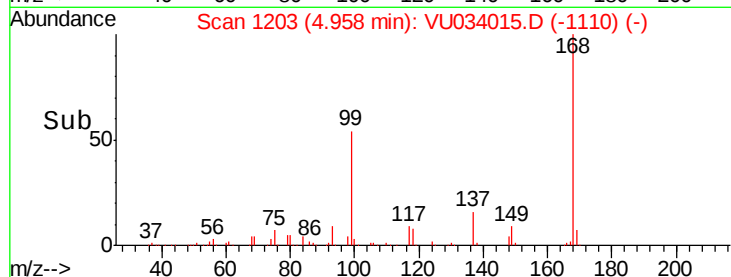
100000

50000

0

4.90 5.00

Time-->



#2

Dichlorodifluoromethane

Concen: 0.816 ug/l

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU034015.D

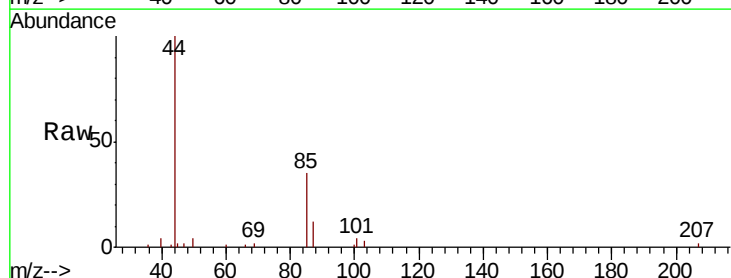
Acq: 28 Aug 2019 11:37

Tgt Ion: 85 Resp: 3426

Ion Ratio Lower Upper

85 100

87 33.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VU034018.D (-25) (-)

Ion 86.90 (86.60 to 87.60): VU034015.D (-1) (-)

1.20

4000

3000

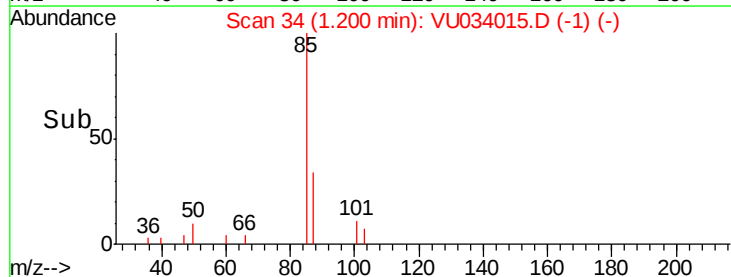
2000

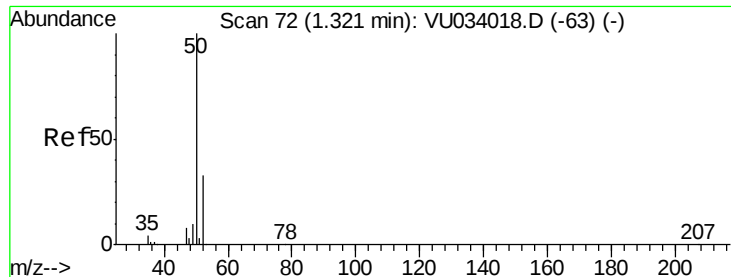
1000

0

1.16 1.18 1.20 1.22 1.24

Time-->





#3

Chloromethane

Concen: 1.536 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

ClientSampleId :

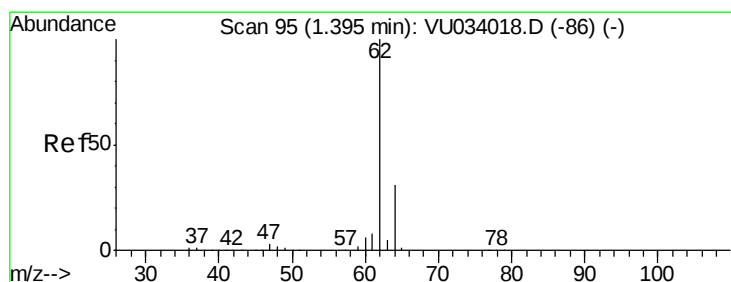
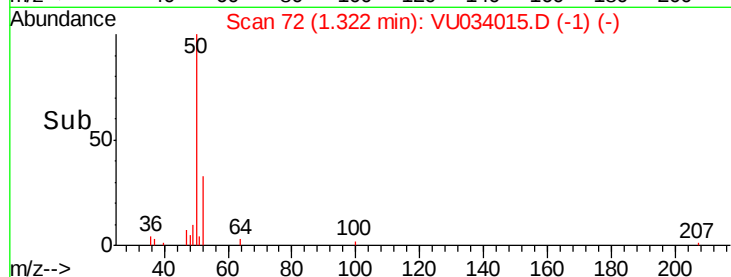
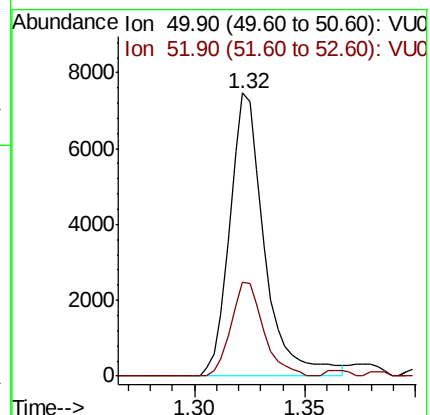
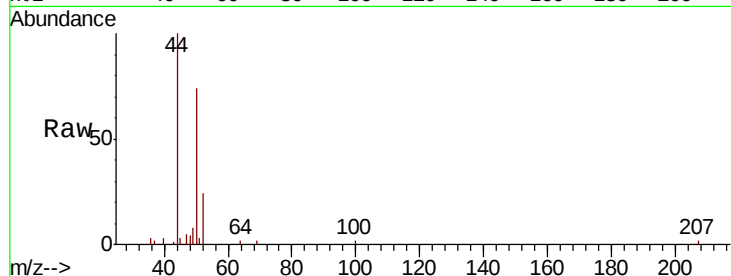
VSTDIC001

Tgt Ion: 50 Resp: 8163

Ion Ratio Lower Upper

50 100

52 33.0 26.2 39.4



#4

Vinyl Chloride

Concen: 1.201 ug/l

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU034015.D

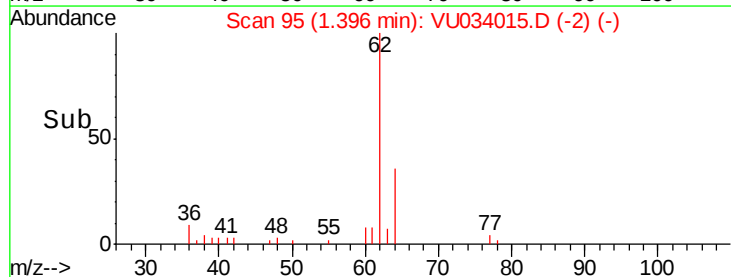
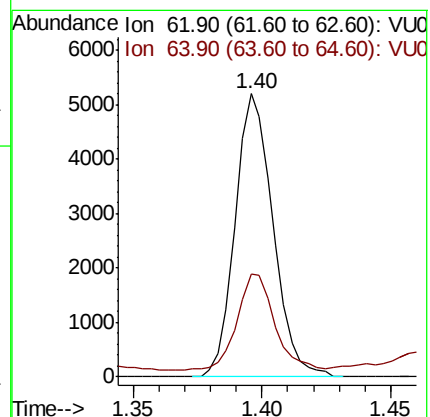
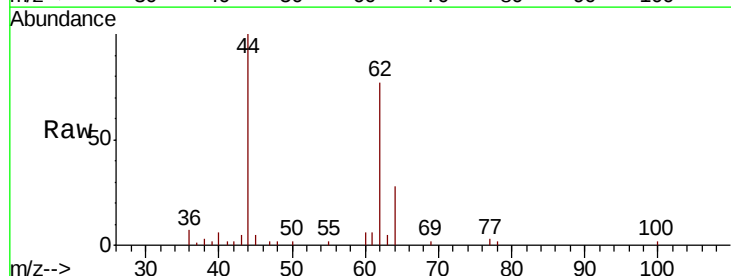
Acq: 28 Aug 2019 11:37

Tgt Ion: 62 Resp: 5331

Ion Ratio Lower Upper

62 100

64 33.5 25.0 37.6





#5

Bromomethane

Concen: 1.627 ug/l

RT: 1.60 min Scan# 160

Delta R.T. 0.01 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

ClientSampleId :

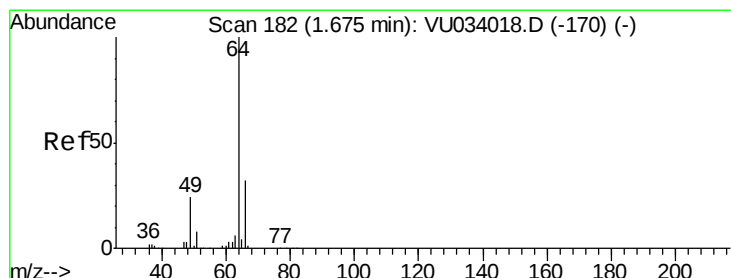
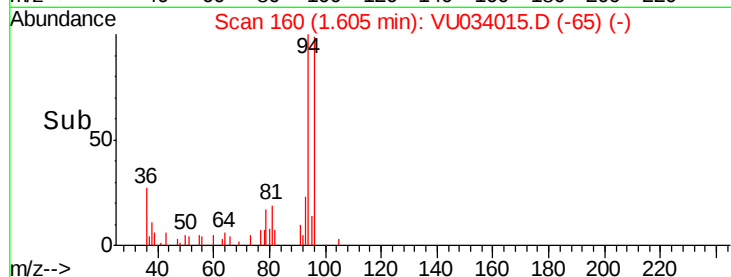
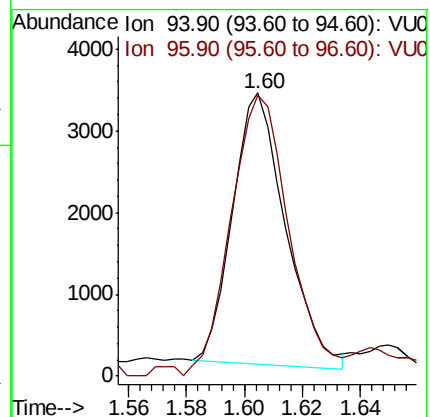
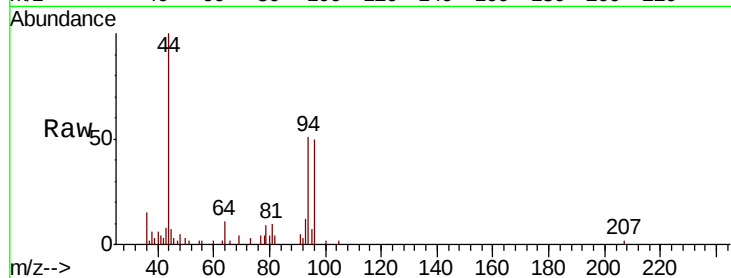
VSTDIC001

Tgt Ion: 94 Resp: 4216

Ion Ratio Lower Upper

94 100

96 101.3 76.3 114.5



#6

Chloroethane

Concen: 1.353 ug/l

RT: 1.68 min Scan# 184

Delta R.T. 0.01 min

Lab File: VU034015.D

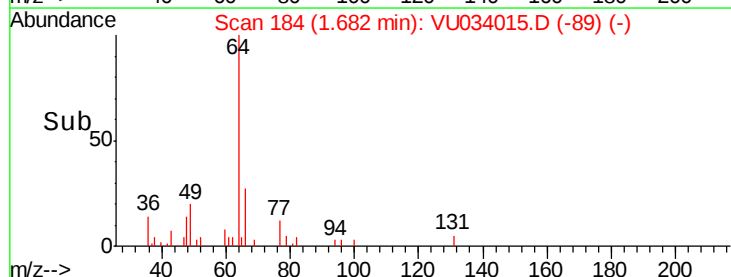
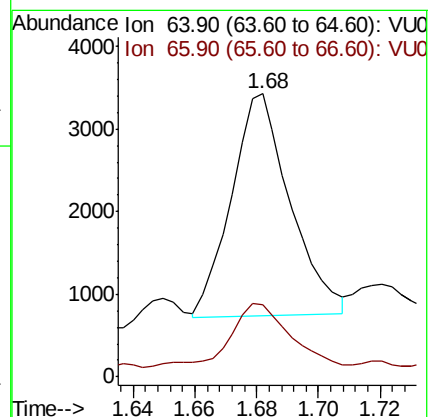
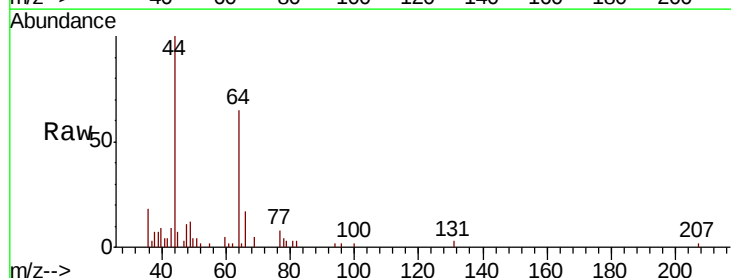
Acq: 28 Aug 2019 11:37

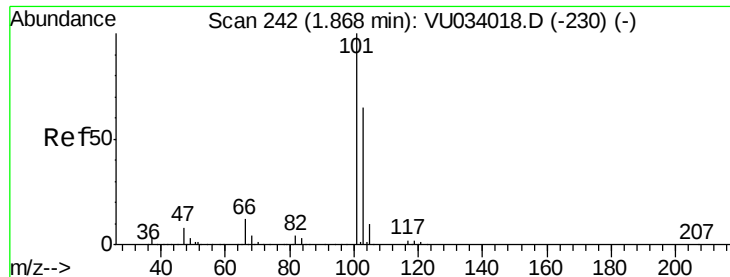
Tgt Ion: 64 Resp: 3571

Ion Ratio Lower Upper

64 100

66 27.4 25.5 38.3





#7

Trichlorofluoromethane

Concen: 1.112 ug/l

RT: 1.87 min Scan# 243

Delta R.T. 0.00 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

ClientSampleId :

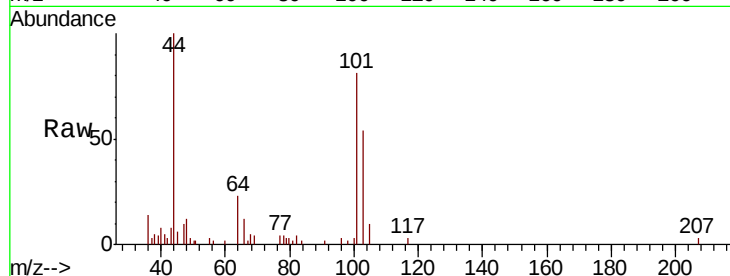
VSTDIC001

Tgt Ion:101 Resp: 6270

Ion Ratio Lower Upper

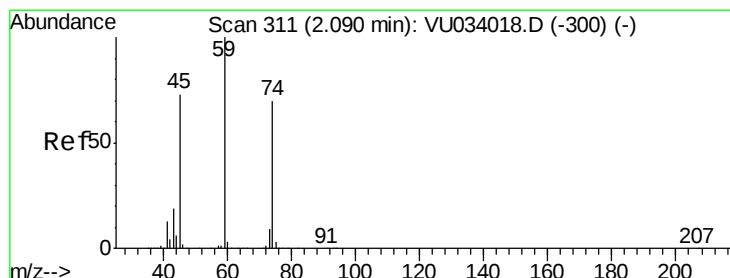
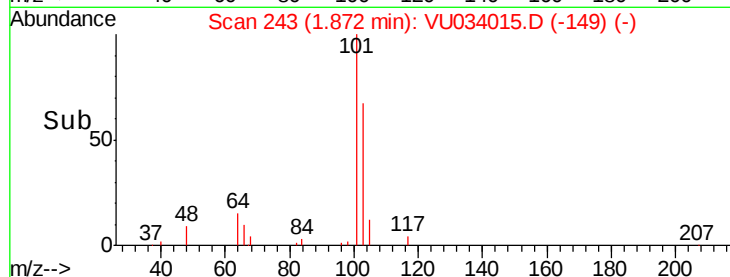
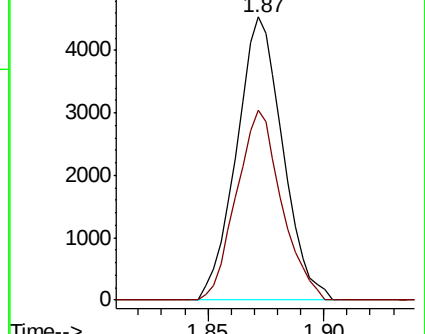
101 100

103 67.1 52.1 78.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 1.218 ug/l

RT: 2.09 min Scan# 312

Delta R.T. 0.00 min

Lab File: VU034015.D

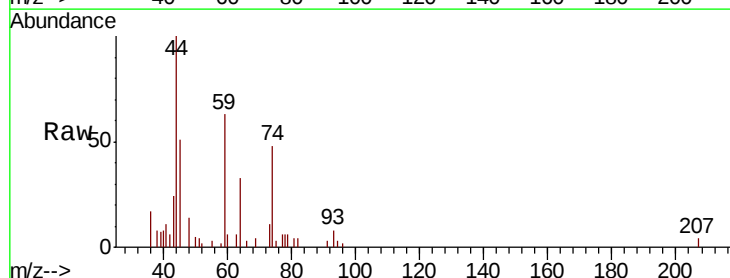
Acq: 28 Aug 2019 11:37

Tgt Ion: 74 Resp: 2669

Ion Ratio Lower Upper

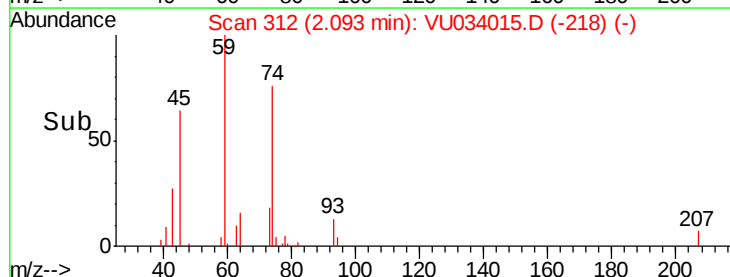
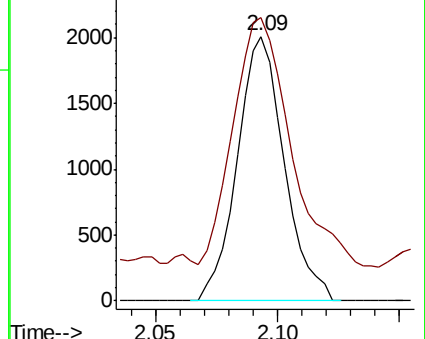
74 100

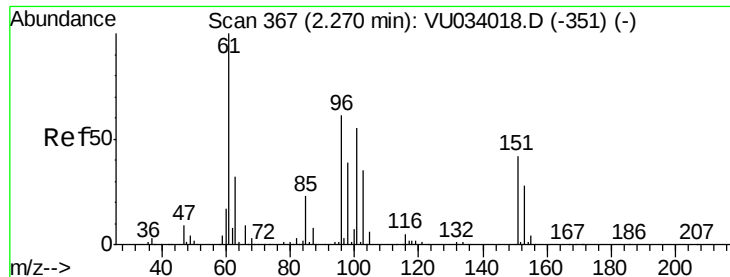
45 116.1 51.8 155.5



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.160 ug/l

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

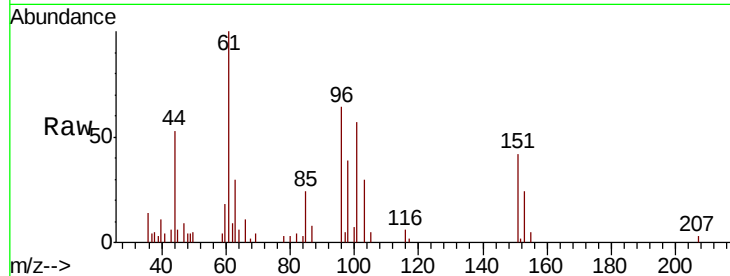
Tgt Ion:101 Resp: 4137

Ion Ratio Lower Upper

101 100

85 42.5 34.2 51.2

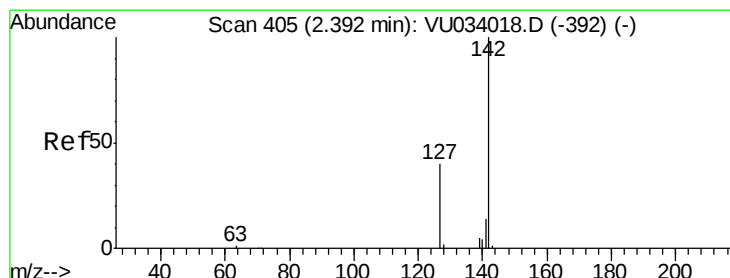
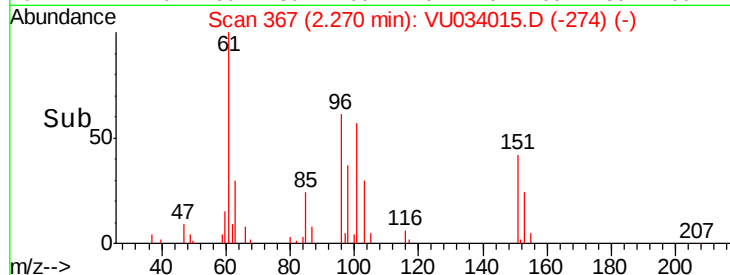
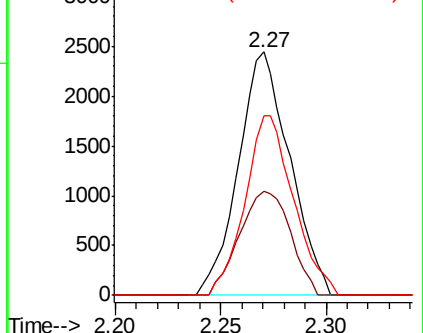
151 69.7 61.4 92.2



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: 0.894 ug/l

RT: 2.40 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

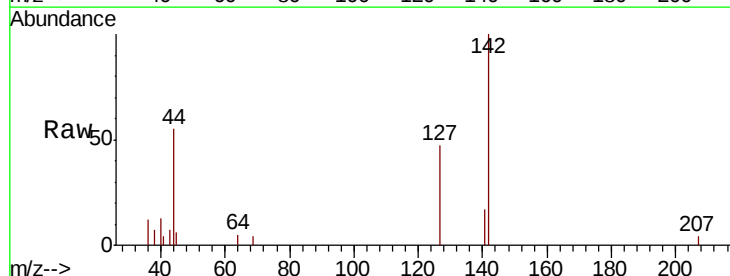
Tgt Ion:142 Resp: 4793

Ion Ratio Lower Upper

142 100

127 43.1 32.6 48.8

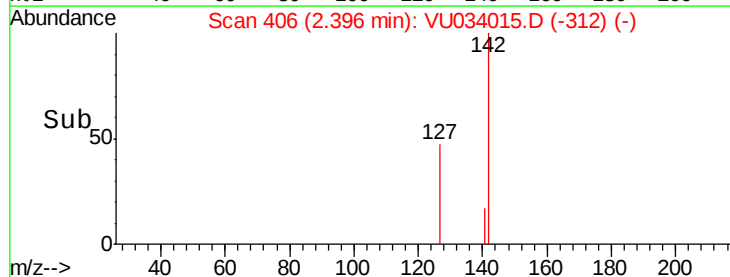
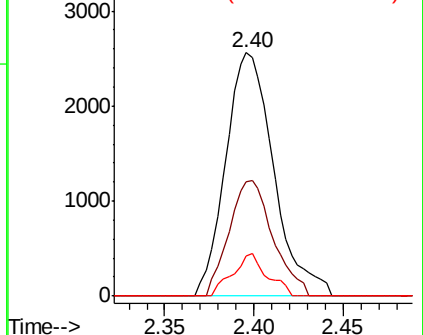
141 12.6 11.3 16.9

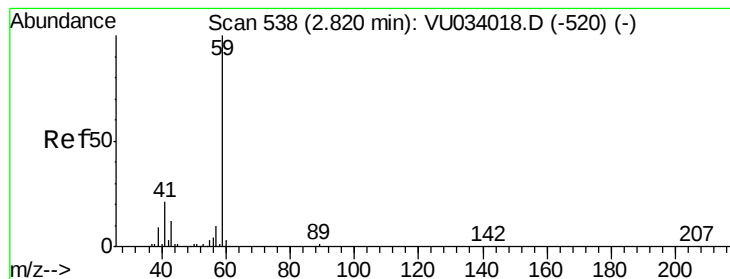


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



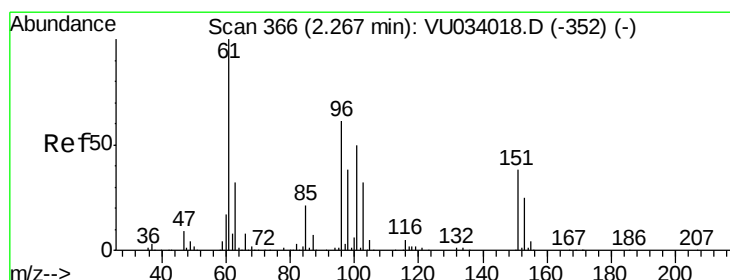
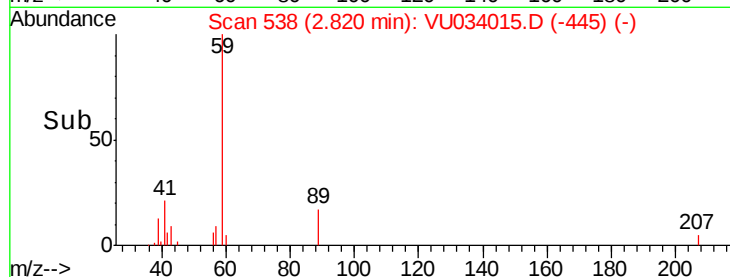
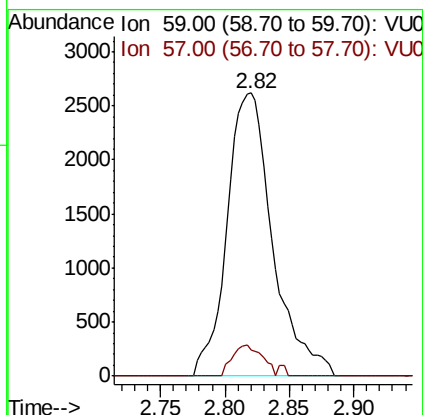
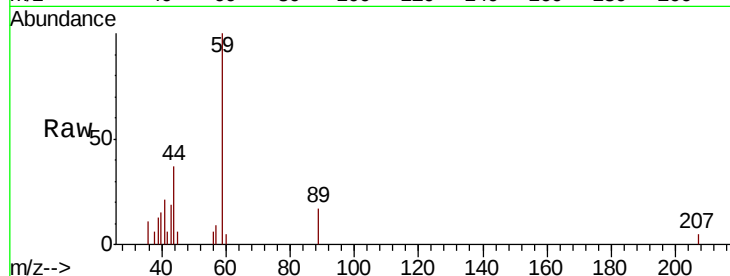


#11

Tert butyl alcohol
 Concen: 5.347 ug/l
 RT: 2.82 min Scan# 538
 Delta R.T. 0.00 min
 Lab File: VU034015.D
 Acq: 28 Aug 2019 11:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

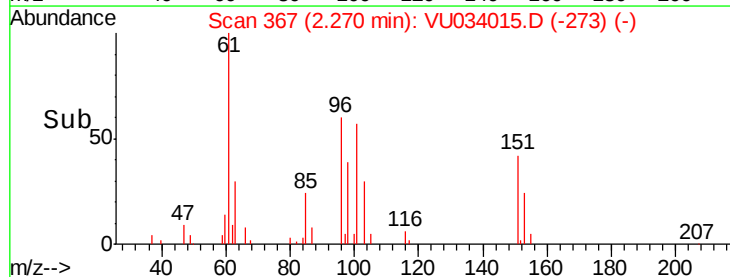
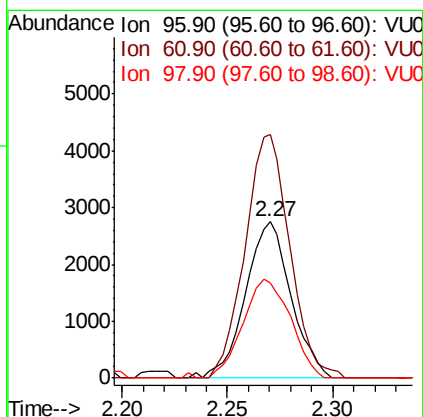
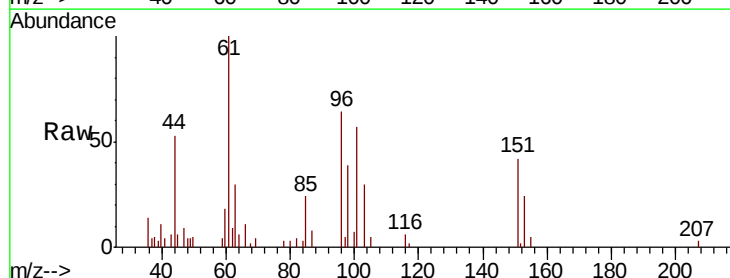
Tgt Ion: 59 Resp: 6455
 Ion Ratio Lower Upper
 59 100
 57 7.1 8.0 12.0#

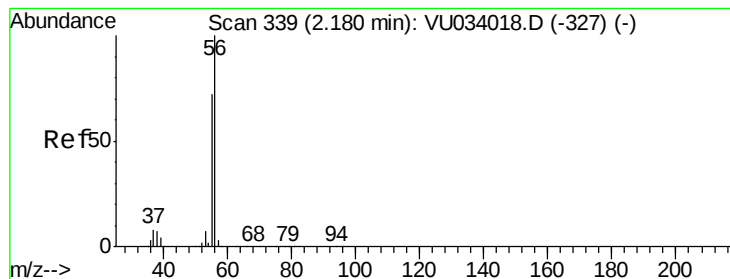


#12

1,1-Dichloroethene
 Concen: 1.105 ug/l
 RT: 2.27 min Scan# 366
 Delta R.T. 0.00 min
 Lab File: VU034015.D
 Acq: 28 Aug 2019 11:37

Tgt Ion: 96 Resp: 4121
 Ion Ratio Lower Upper
 96 100
 61 156.1 131.3 196.9
 98 60.7 50.3 75.5





#13

Acrolein

Concen: 8.517 ug/l

RT: 2.18 min Scan# 339

Delta R.T. 0.00 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

ClientSampleId :

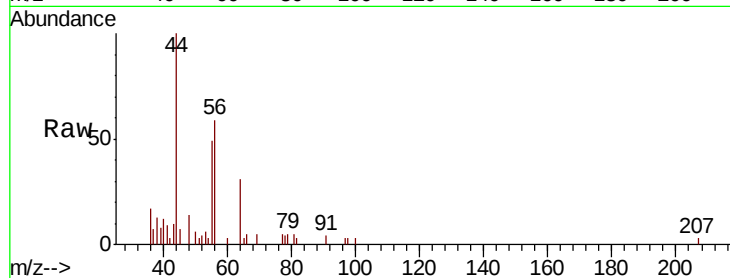
VSTDIC001

Tgt Ion: 56 Resp: 3473

Ion Ratio Lower Upper

56 100

55 91.0 57.1 85.7#



Abundance Ion 56.00 (55.70 to 56.70): VU034015.D (-246) (-)

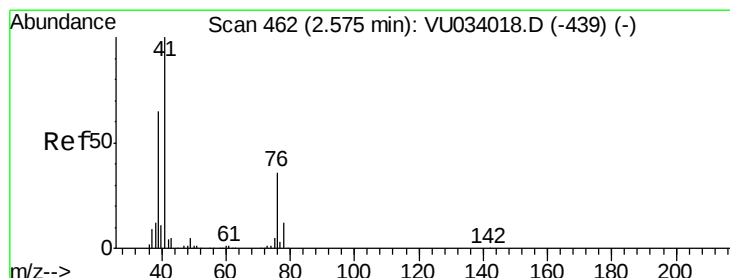
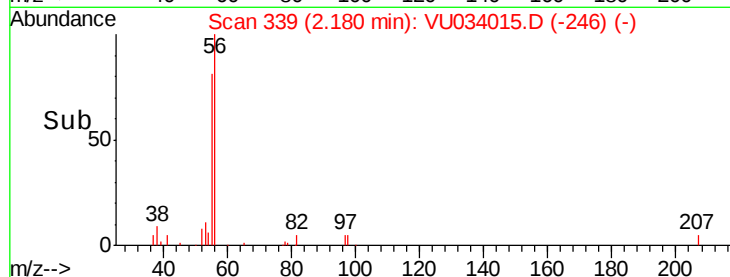
Ion 55.00 (54.70 to 55.70): VU034015.D (-246) (-)

2.18

2.15

2.20

Time-->



#14

Allyl chloride

Concen: 1.124 ug/l

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

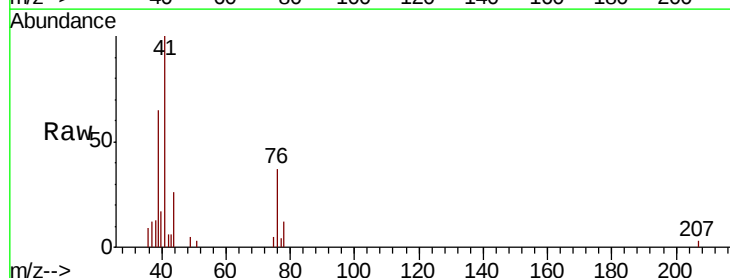
Tgt Ion: 41 Resp: 7515

Ion Ratio Lower Upper

41 100

39 58.6 46.8 70.2

76 34.5 26.6 40.0



Abundance Ion 41.00 (40.70 to 41.70): VU034015.D (-369) (-)

Ion 39.00 (38.70 to 39.70): VU034015.D (-369) (-)

Ion 75.90 (75.60 to 76.60): VU034015.D (-369) (-)

2.58

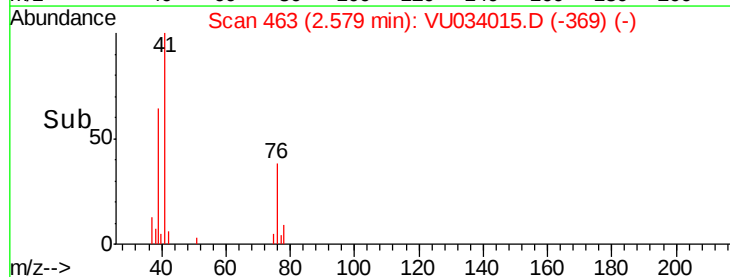
2.50

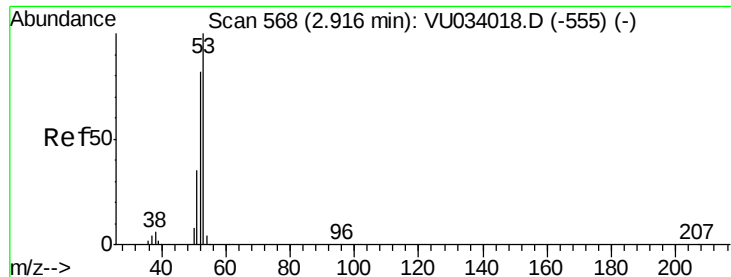
2.55

2.60

2.65

Time-->





#15

Acrylonitrile

Concen: 4.957 ug/l

RT: 2.93 min Scan# 572

Delta R.T. 0.01 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

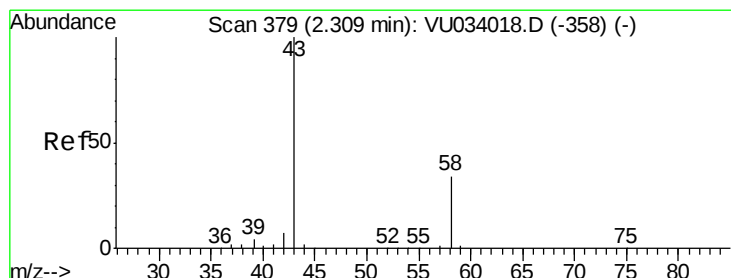
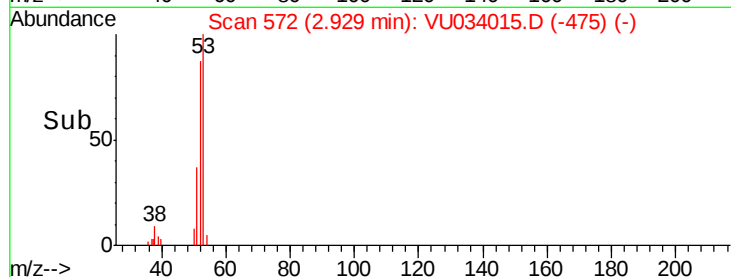
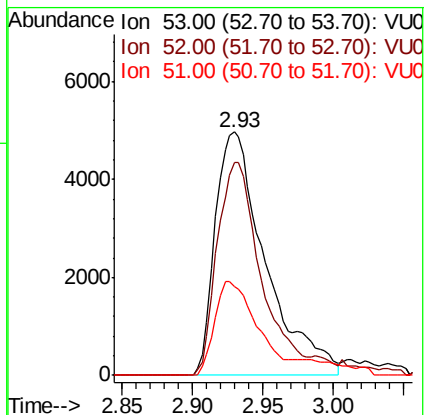
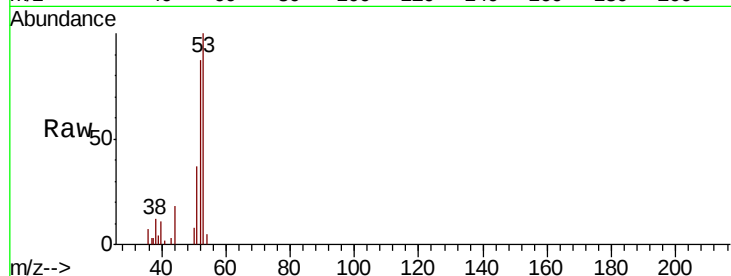
Tgt Ion: 53 Resp: 12321

Ion Ratio Lower Upper

53 100

52 75.9 65.7 98.5

51 32.4 27.9 41.9



#16

Acetone

Concen: 5.893 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034015.D

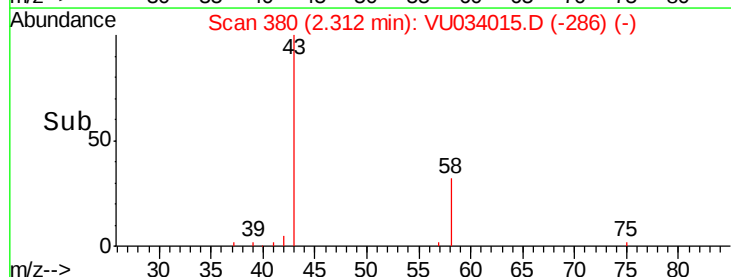
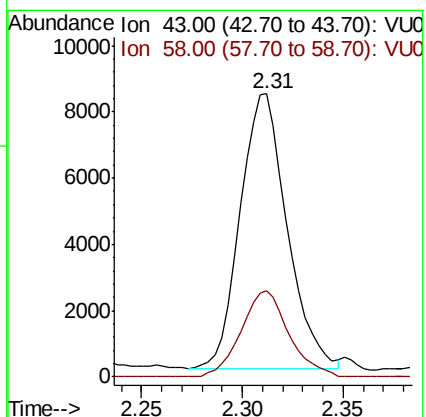
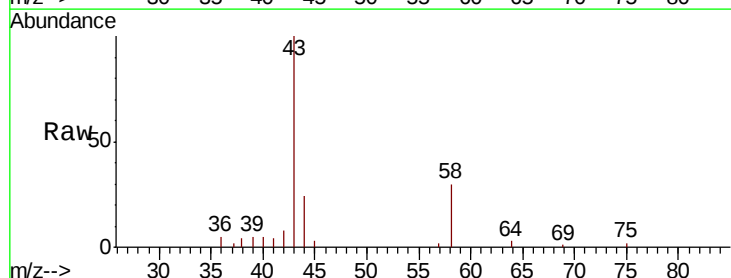
Acq: 28 Aug 2019 11:37

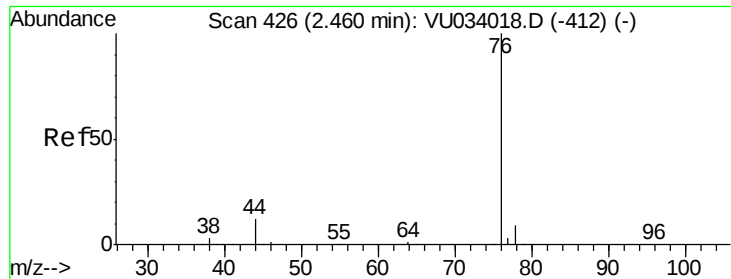
Tgt Ion: 43 Resp: 13484

Ion Ratio Lower Upper

43 100

58 31.3 26.8 40.2

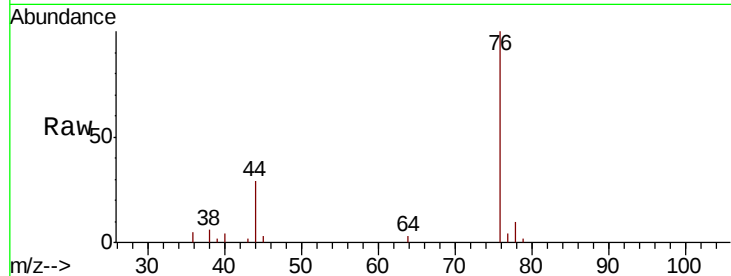




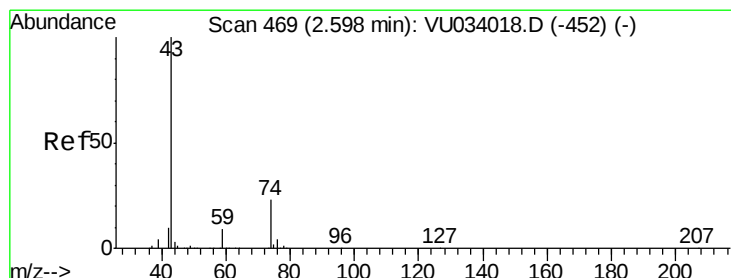
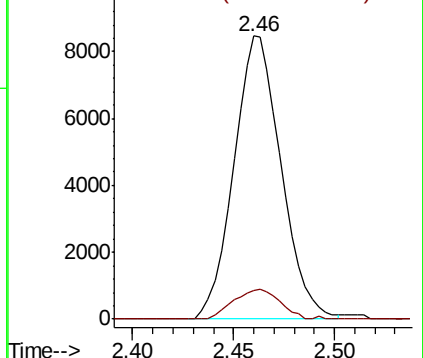
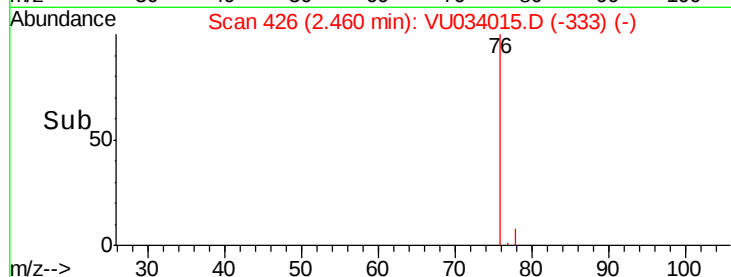
#17
Carbon Disulfide
Concen: 1.133 ug/l
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 76 Resp: 13829
Ion Ratio Lower Upper
76 100
78 10.3 7.1 10.7

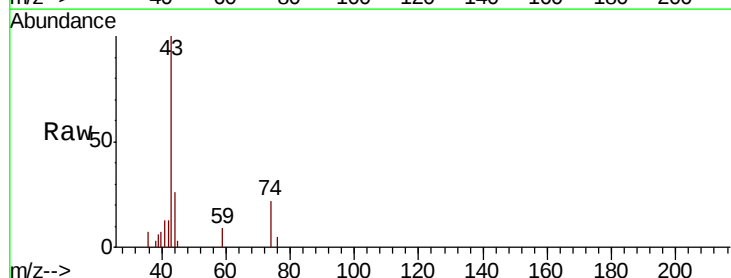


Abundance Ion 75.90 (75.60 to 76.60): VU034015.D (-333) (-)
Ion 77.90 (77.60 to 78.60): VU034015.D (-333) (-)

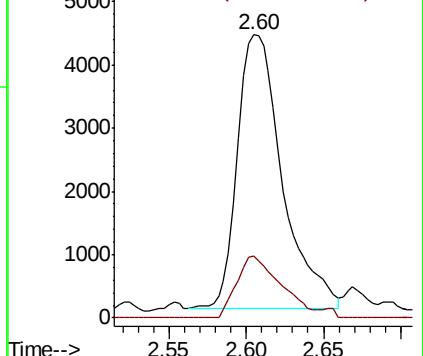
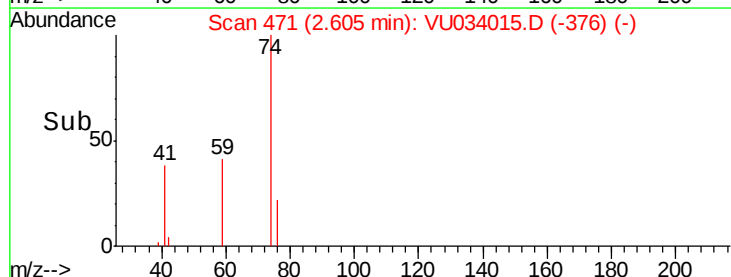


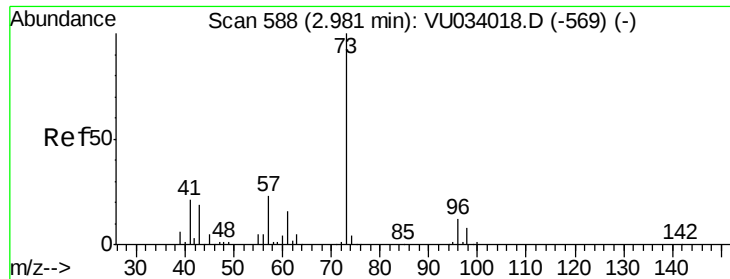
#18
Methyl Acetate
Concen: 1.565 ug/l
RT: 2.60 min Scan# 471
Delta R.T. 0.01 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

Tgt Ion: 43 Resp: 8796
Ion Ratio Lower Upper
43 100
74 22.2 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VU034015.D (-376) (-)
Ion 74.00 (73.70 to 74.70): VU034015.D (-376) (-)

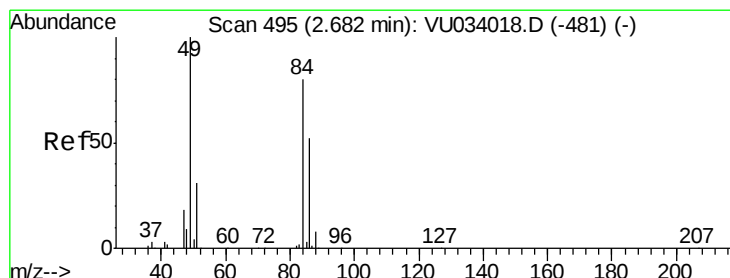
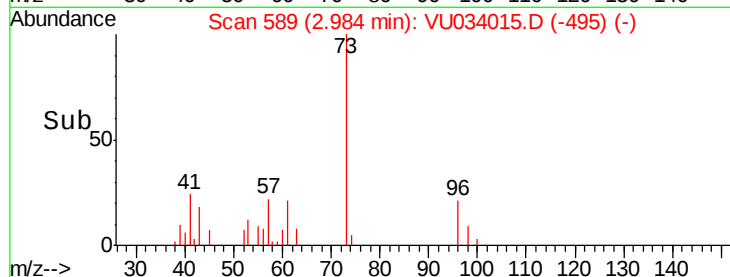
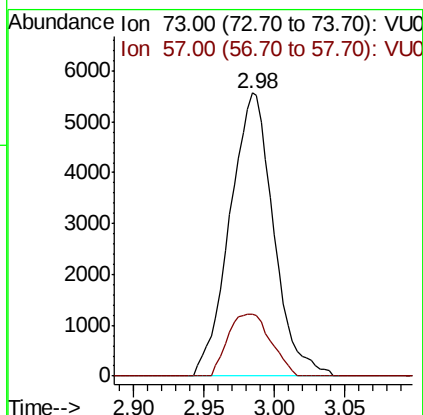
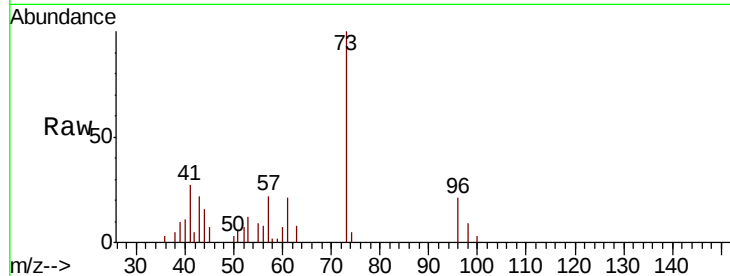




#19
Methyl tert-butyl Ether
Concen: 0.964 ug/l
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

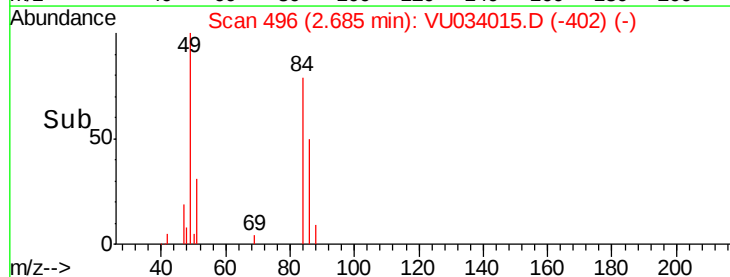
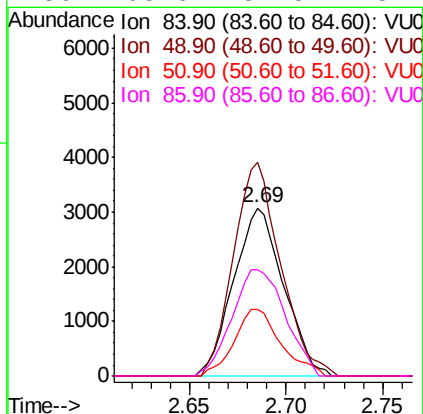
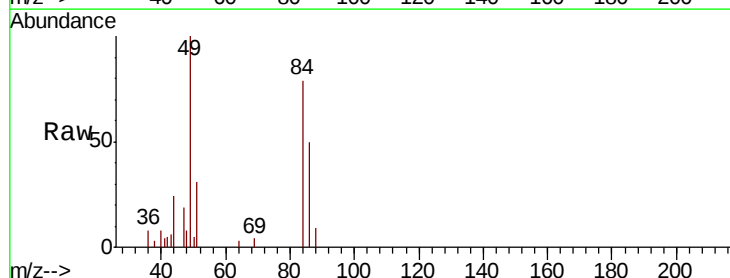
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

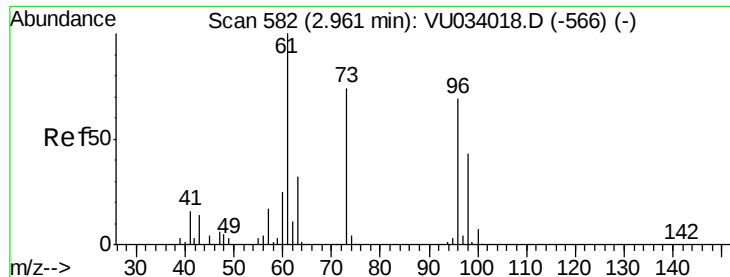
Tgt Ion: 73 Resp: 12047
Ion Ratio Lower Upper
73 100
57 21.8 18.3 27.5



#20
Methylene Chloride
Concen: 1.161 ug/l
RT: 2.69 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

Tgt Ion: 84 Resp: 5513
Ion Ratio Lower Upper
84 100
49 127.1 100.2 150.4
51 40.0 30.8 46.2
86 63.6 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 1.023 ug/l

RT: 2.97 min Scan# 585

Delta R.T. 0.01 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

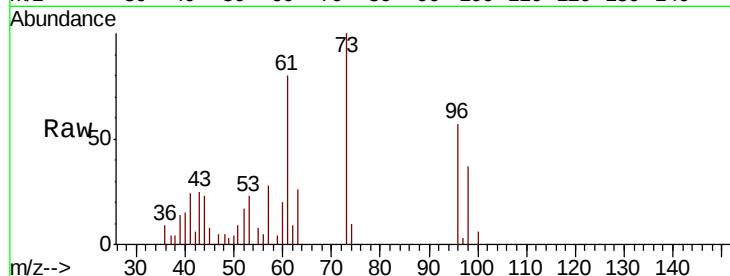
Tgt Ion: 96 Resp: 4311

Ion Ratio Lower Upper

96 100

61 139.1 115.5 173.3

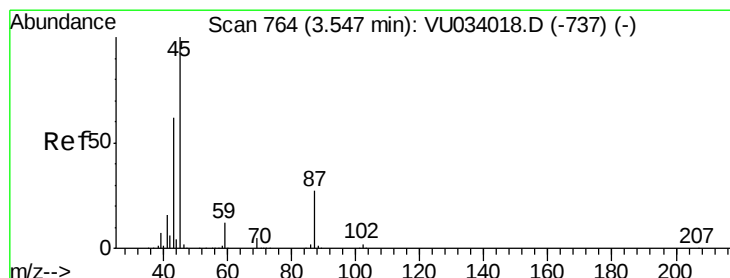
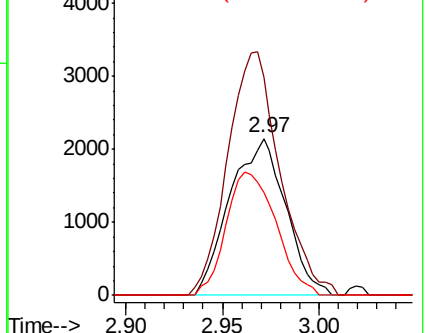
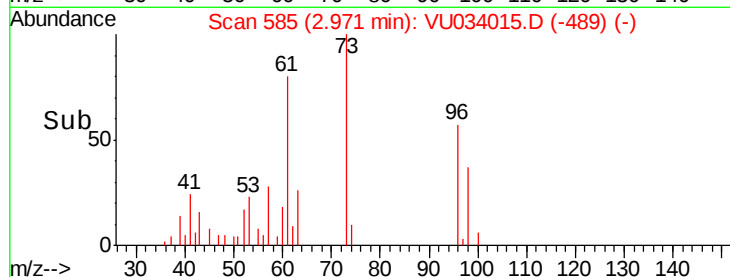
98 65.6 50.1 75.1



Abundance Ion 95.90 (95.60 to 96.60): VU034015.D (-489) (-)

Ion 60.90 (60.60 to 61.60): VU034015.D (-489) (-)

Ion 97.90 (97.60 to 98.60): VU034015.D (-489) (-)



#22

Diisopropyl ether

Concen: 1.033 ug/l

RT: 3.55 min Scan# 766

Delta R.T. 0.01 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Tgt Ion: 45 Resp: 12705

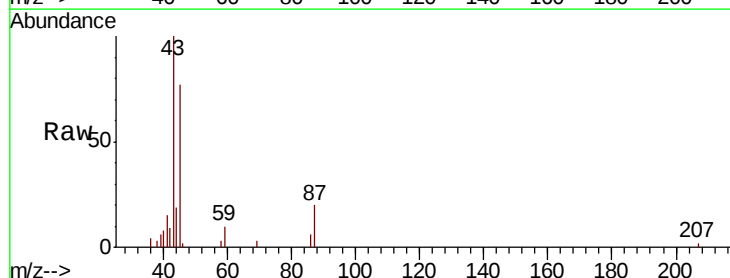
Ion Ratio Lower Upper

45 100

43 116.3 49.7 74.5#

87 25.5 21.8 32.8

59 12.7 9.3 13.9

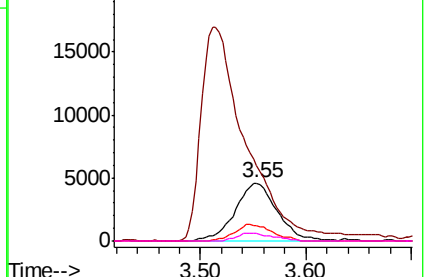
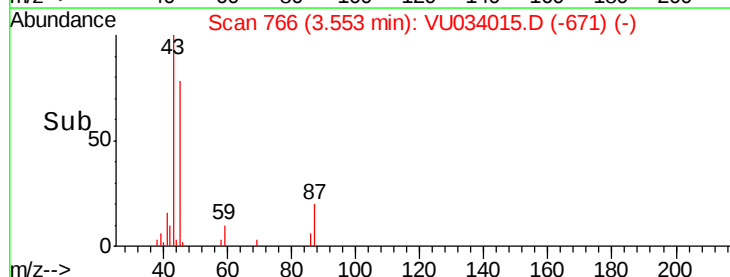


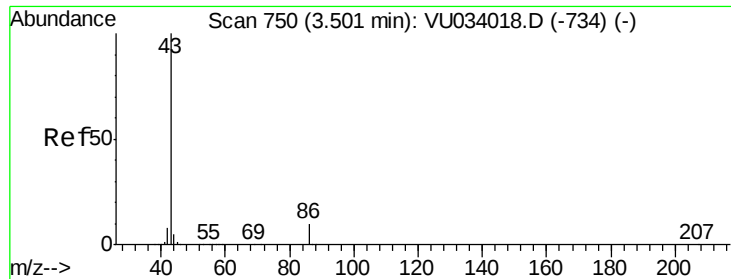
Abundance Ion 45.00 (44.70 to 45.70): VU034015.D (-671) (-)

Ion 43.00 (42.70 to 43.70): VU034015.D (-671) (-)

Ion 87.00 (86.70 to 87.70): VU034015.D (-671) (-)

Ion 59.00 (58.70 to 59.70): VU034015.D (-671) (-)





#23

Vinyl Acetate

Concen: 4.864 ug/l

RT: 3.51 min Scan# 754

Delta R.T. 0.01 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

ClientSampleId :

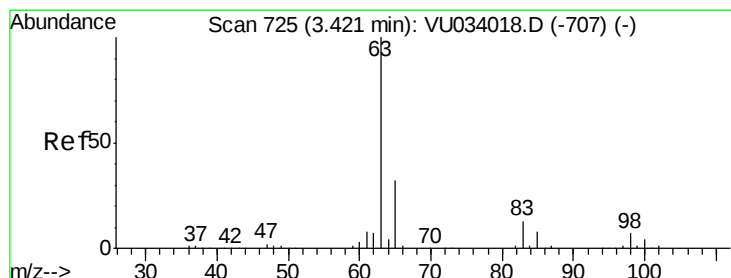
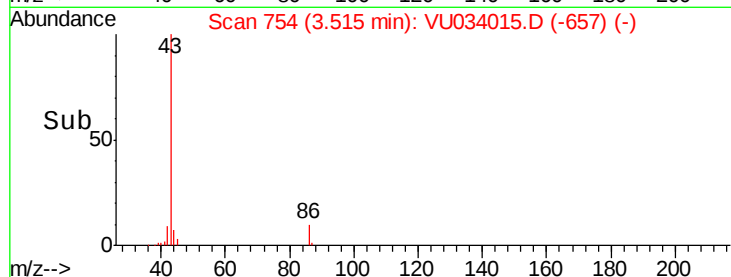
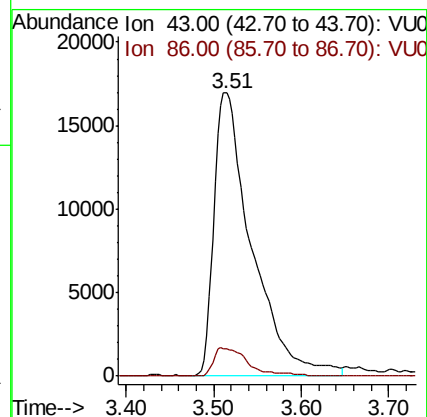
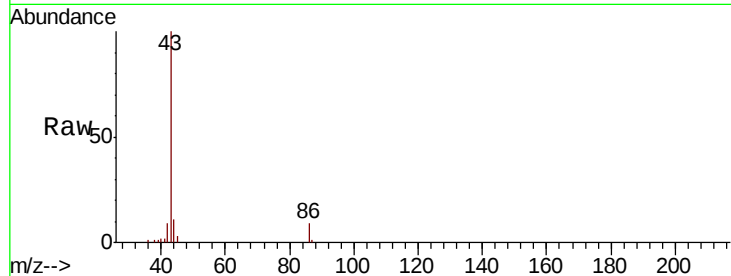
VSTDIC001

Tgt Ion: 43 Resp: 50989

Ion Ratio Lower Upper

43 100

86 9.5 8.3 12.5



#24

1,1-Dichloroethane

Concen: 1.026 ug/l

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

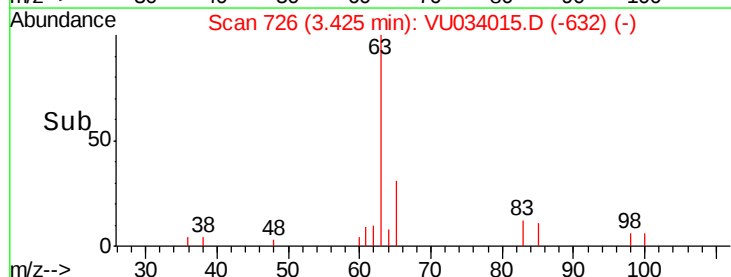
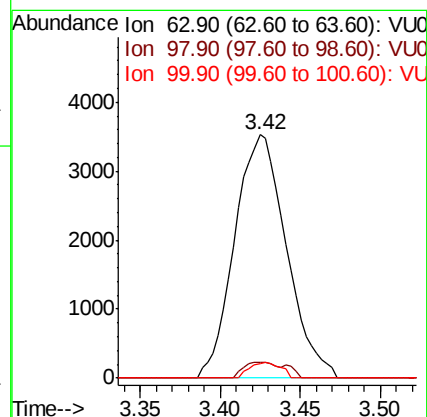
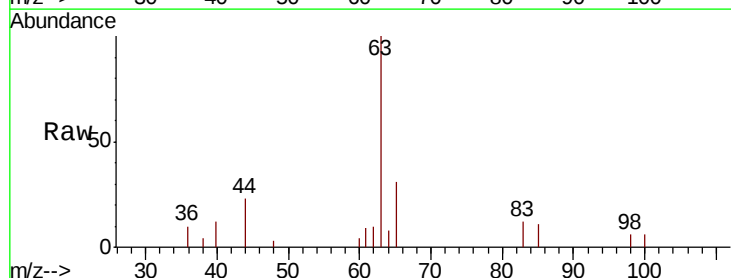
Tgt Ion: 63 Resp: 7790

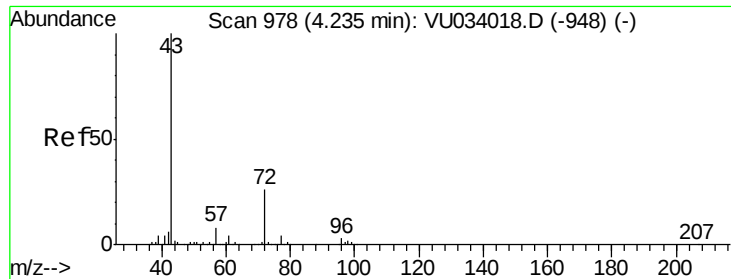
Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

100 6.0 2.0 6.0#





#25

2-Butanone

Concen: 4.407 ug/l

RT: 4.26 min Scan# 987

Delta R.T. 0.03 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

ClientSampleId :

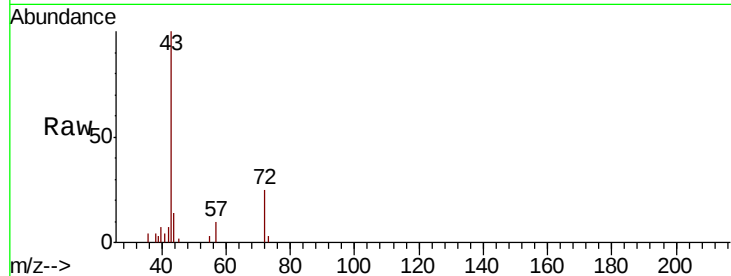
VSTDIC001

Tgt Ion: 43 Resp: 14474

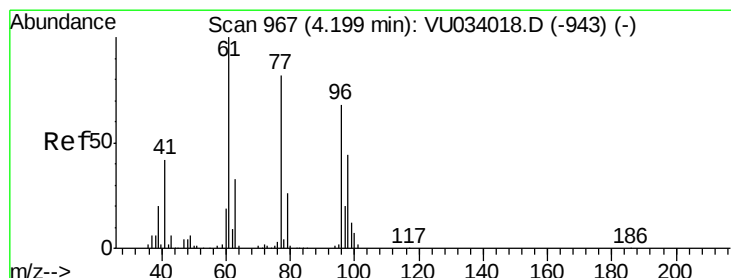
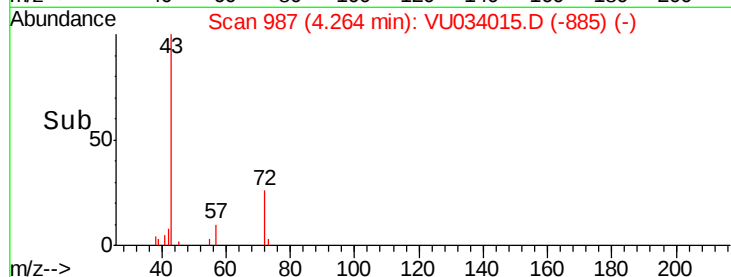
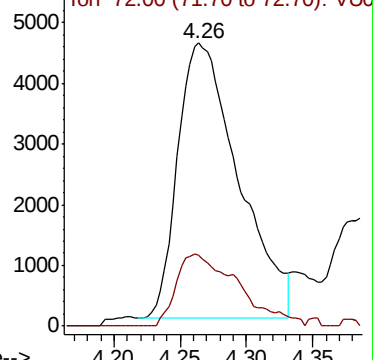
Ion Ratio Lower Upper

43 100

72 25.8 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VU034015.D (-885) (-)



#26

2,2-Dichloropropane

Concen: 1.015 ug/l

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU034015.D

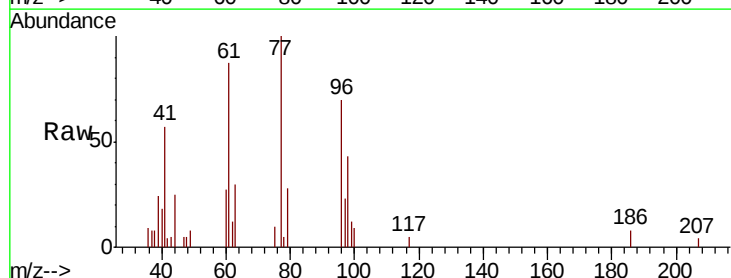
Acq: 28 Aug 2019 11:37

Tgt Ion: 77 Resp: 6485

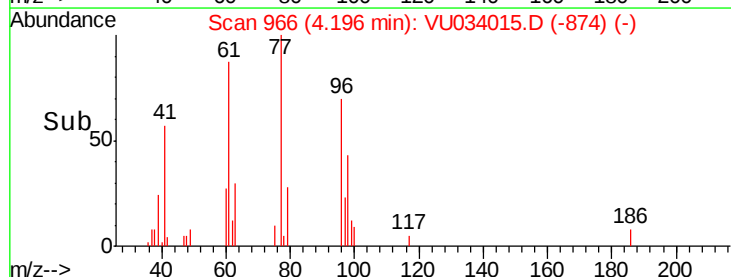
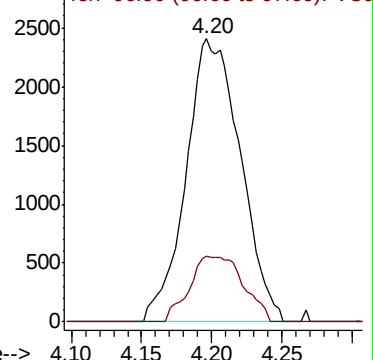
Ion Ratio Lower Upper

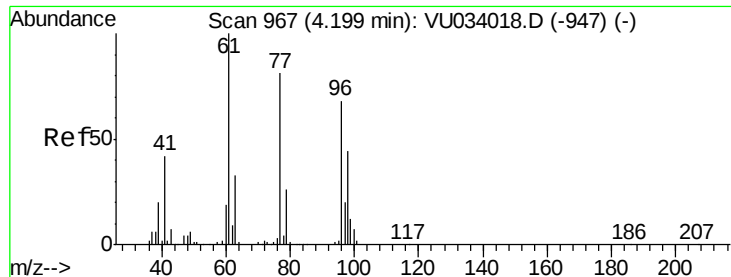
77 100

97 22.9 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VU034015.D (-874) (-)





#27

cis-1,2-Dichloroethene

Concen: 0.994 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

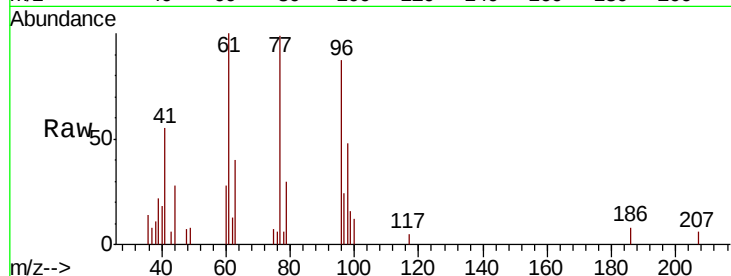
Tgt Ion: 96 Resp: 4698

Ion Ratio Lower Upper

96 100

61 147.8 0.0 303.0

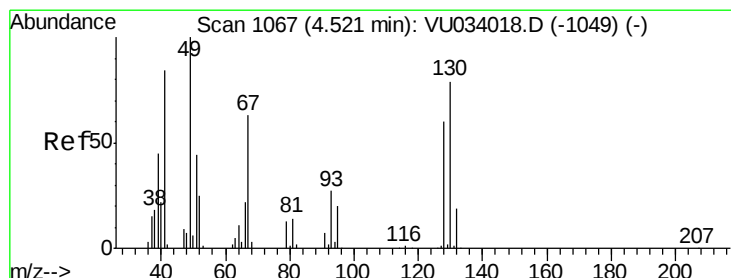
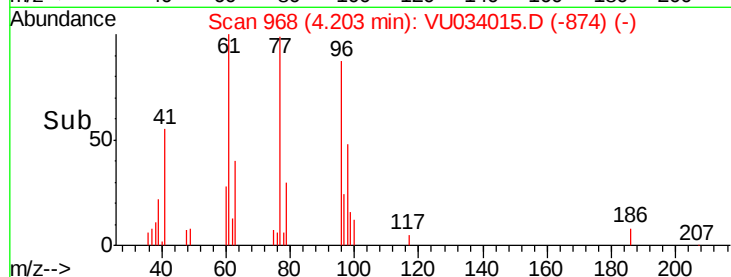
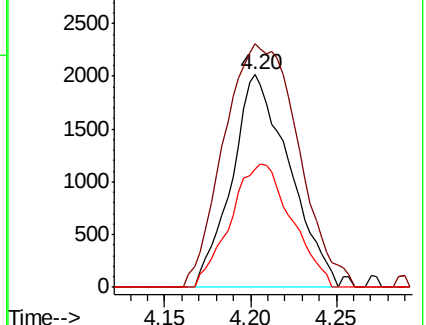
98 61.5 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VU034015.D (-947) (-)

Ion 60.90 (60.60 to 61.60): VU034015.D (-947) (-)

Ion 97.90 (97.60 to 98.60): VU034015.D (-947) (-)



#28

Bromochloromethane

Concen: 1.164 ug/l

RT: 4.53 min Scan# 1071

Delta R.T. 0.01 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

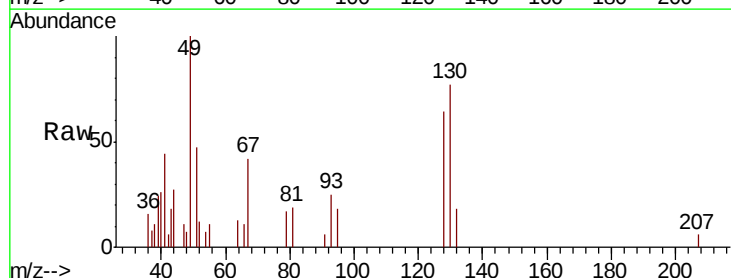
Tgt Ion: 49 Resp: 4108

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

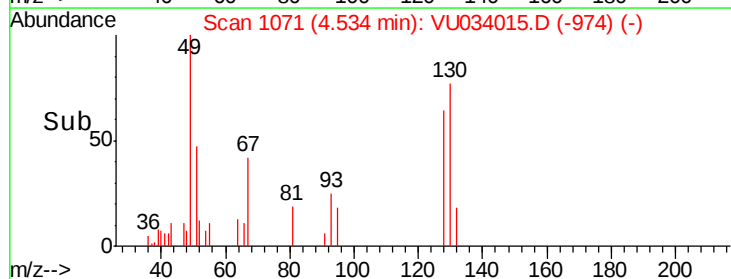
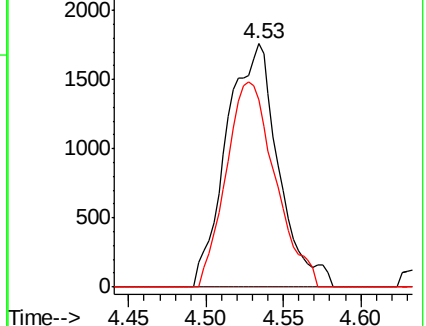
130 79.6 62.8 94.2

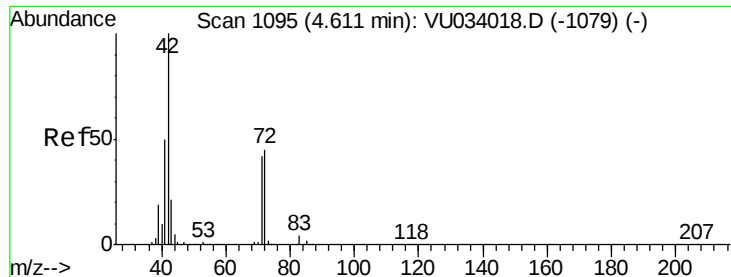


Abundance Ion 48.90 (48.60 to 49.60): VU034015.D (-1049) (-)

Ion 128.80 (128.50 to 129.50): VU034015.D (-1049) (-)

Ion 129.80 (129.50 to 130.50): VU034015.D (-1049) (-)





#29

Tetrahydrofuran

Concen: 4.677 ug/l

RT: 4.63 min Scan# 1102

Delta R.T. 0.02 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

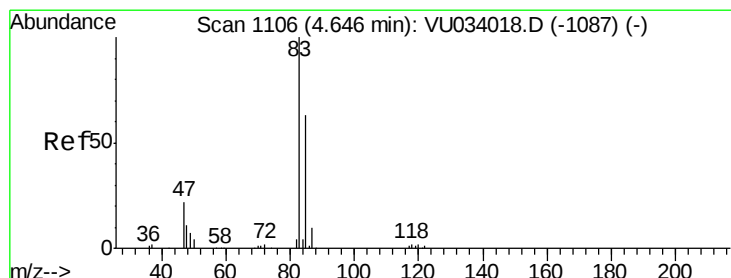
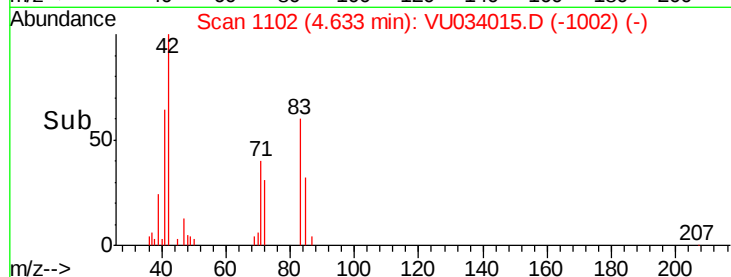
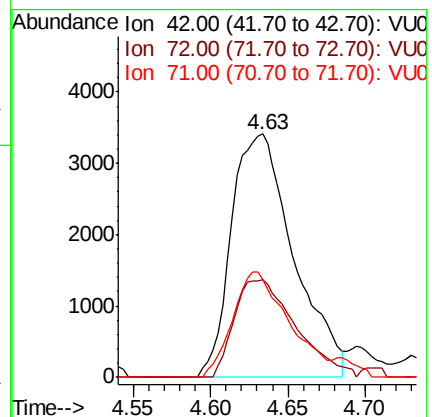
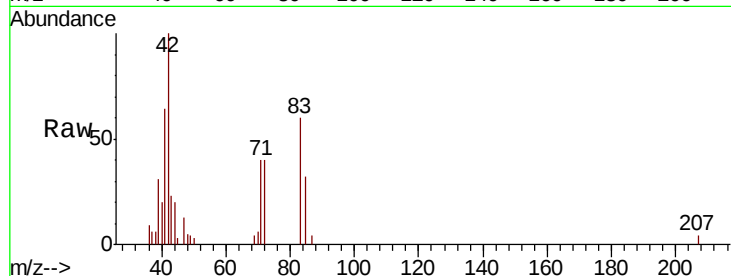
Tgt Ion: 42 Resp: 9569

Ion Ratio Lower Upper

42 100

72 39.6 35.8 53.6

71 39.3 34.0 51.0



#30

Chloroform

Concen: 1.182 ug/l

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU034015.D

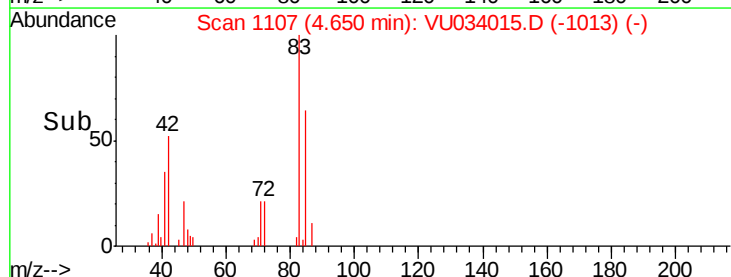
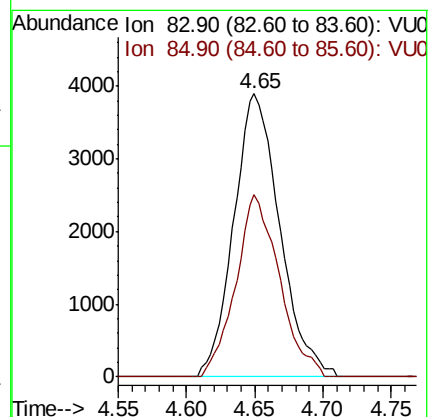
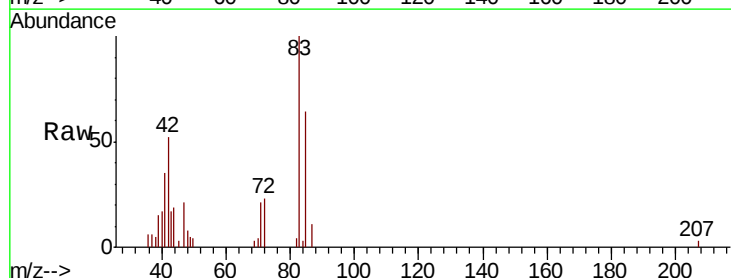
Acq: 28 Aug 2019 11:37

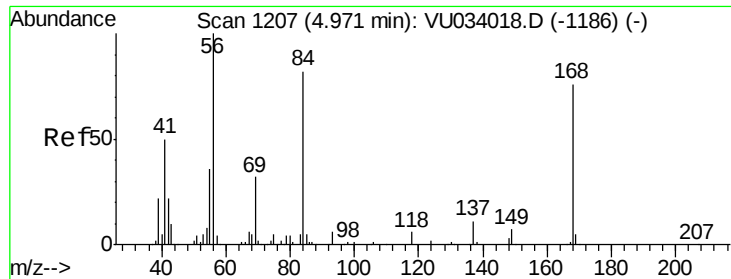
Tgt Ion: 83 Resp: 9130

Ion Ratio Lower Upper

83 100

85 64.3 50.7 76.1

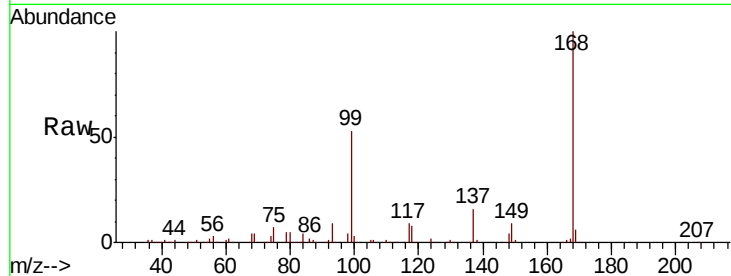




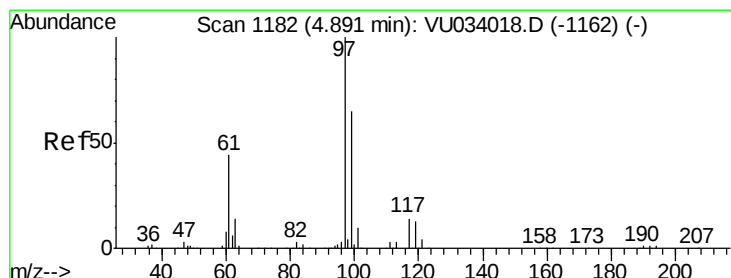
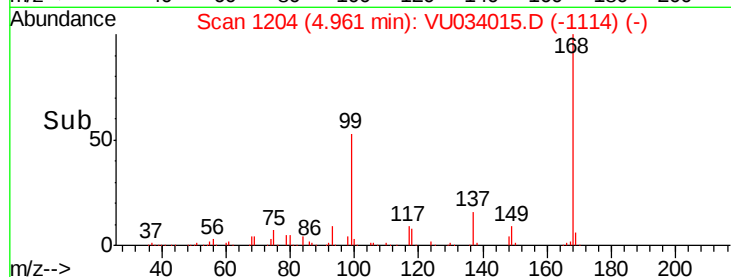
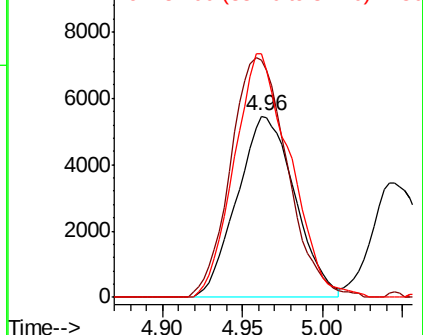
#31
Cyclohexane
Concen: 1.923 ug/l
RT: 4.96 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 56 Resp: 13516
Ion Ratio Lower Upper
56 100
69 130.5 25.4 38.0#
84 134.2 65.8 98.8#

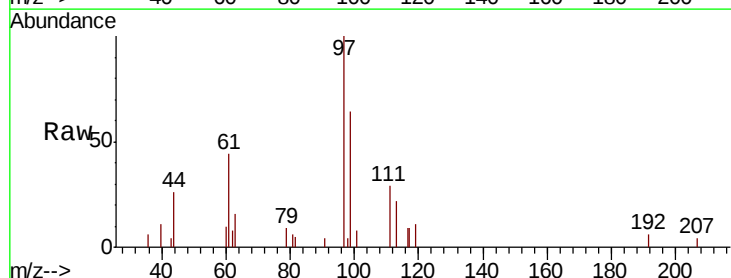


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

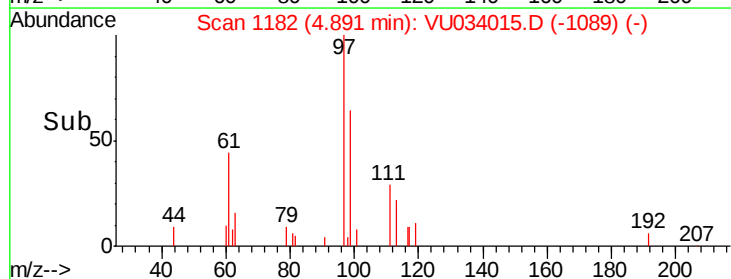
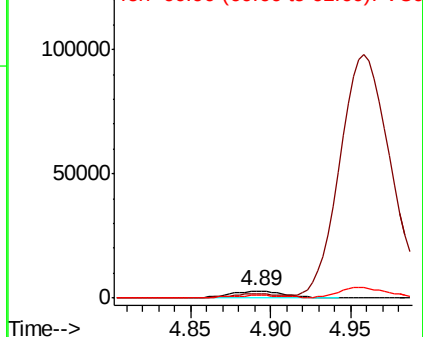


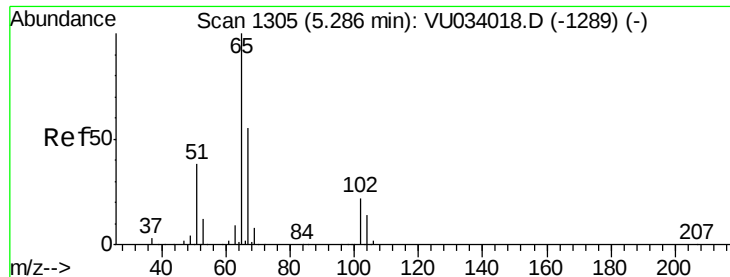
#32
1,1,1-Trichloroethane
Concen: 1.022 ug/l
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

Tgt Ion: 97 Resp: 6608
Ion Ratio Lower Upper
97 100
99 0.0 51.8 77.6#
61 40.3 35.3 52.9



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: 1.334 ug/l

RT: 5.29 min Scan# 1307

Delta R.T. 0.01 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

ClientSampleId :

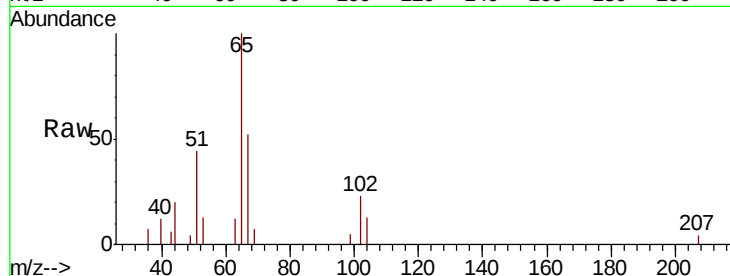
VSTDIC001

Tgt Ion: 65 Resp: 6304

Ion Ratio Lower Upper

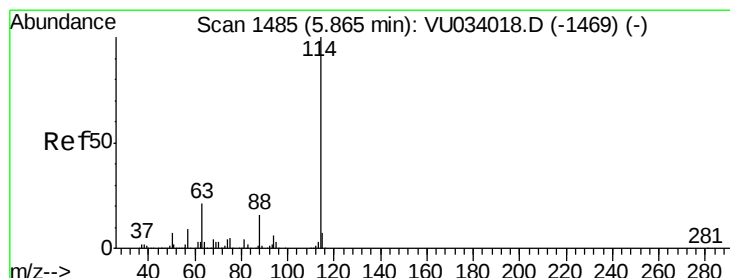
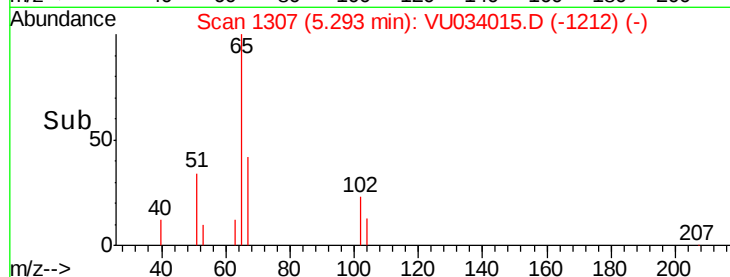
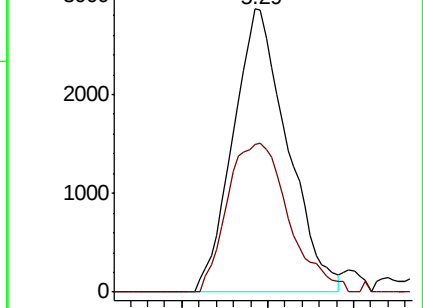
65 100

67 59.2 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU034018.D (-1289) (-)

Ion 66.90 (66.60 to 67.60): VU034018.D (-1289) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

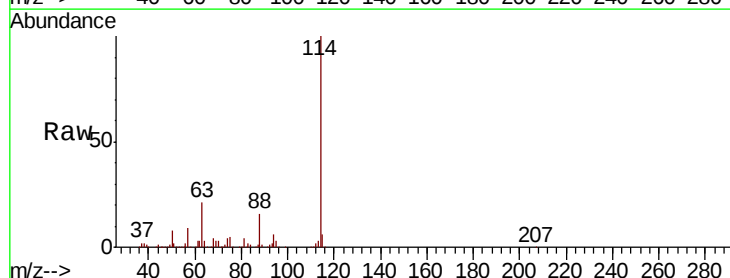
Tgt Ion: 114 Resp: 650493

Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.0

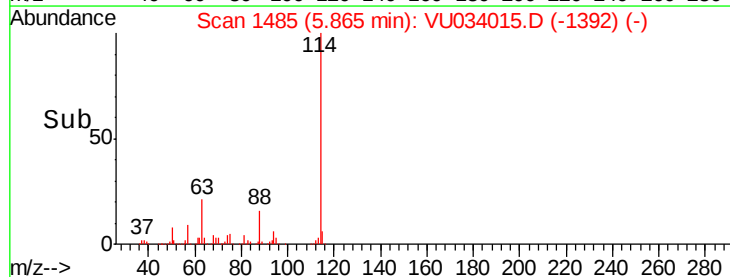
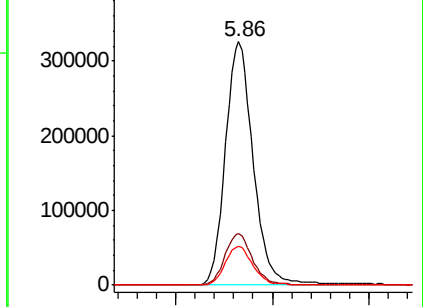
88 15.8 0.0 32.0

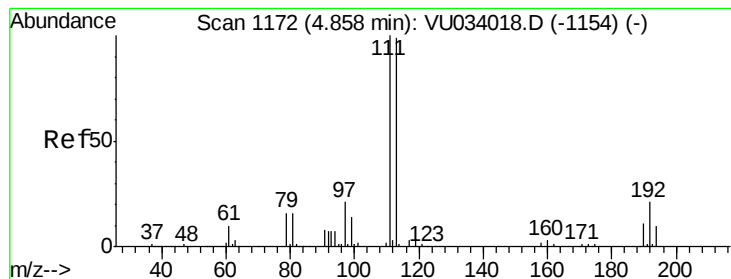


Abundance Ion 113.90 (113.60 to 114.60): VU034018.D (-1469) (-)

Ion 63.00 (62.70 to 63.70): VU034018.D (-1469) (-)

Ion 87.90 (87.60 to 88.60): VU034018.D (-1469) (-)





#35

Dibromofluoromethane

Concen: 1.400 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

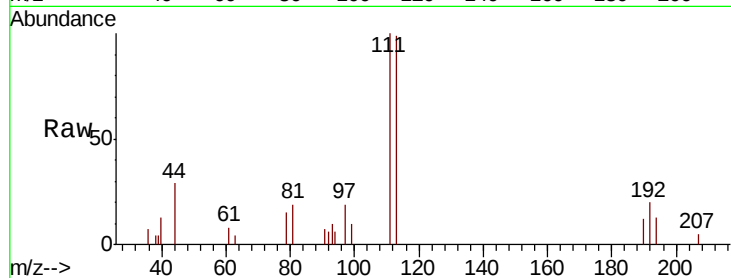
Tgt Ion:113 Resp: 6210

Ion Ratio Lower Upper

113 100

111 104.5 81.7 122.5

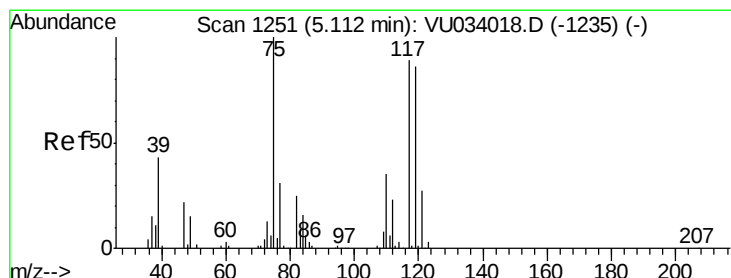
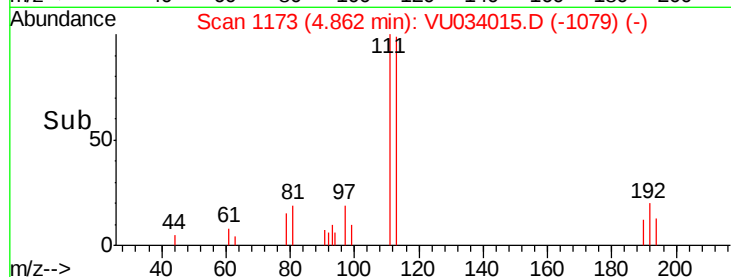
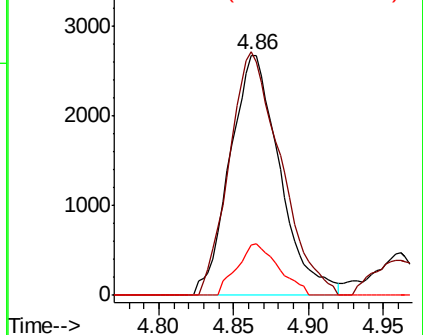
192 17.8 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 1.027 ug/l

RT: 5.11 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

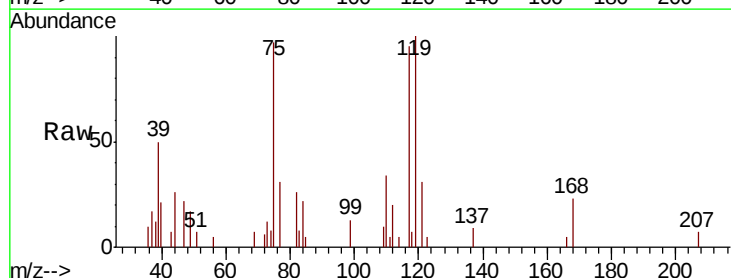
Tgt Ion: 75 Resp: 6259

Ion Ratio Lower Upper

75 100

110 29.5 17.8 53.5

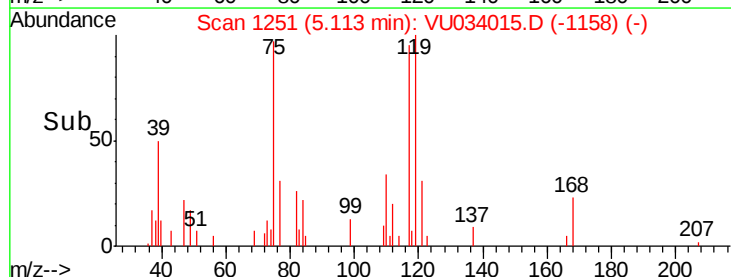
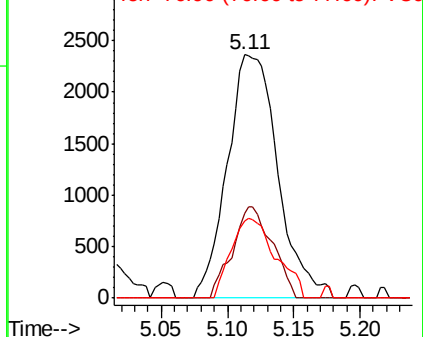
77 28.9 25.0 37.4

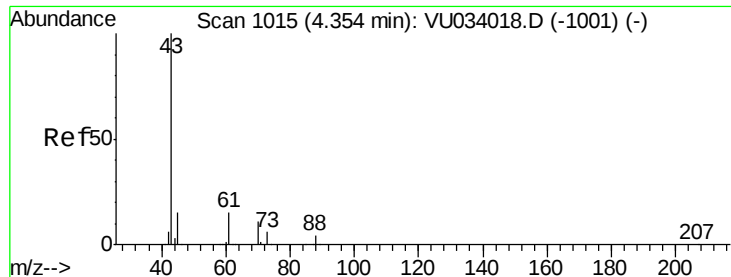


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

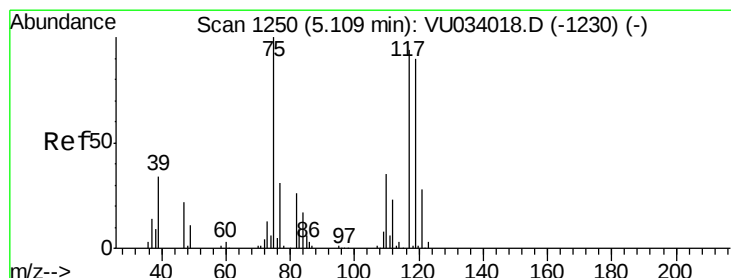
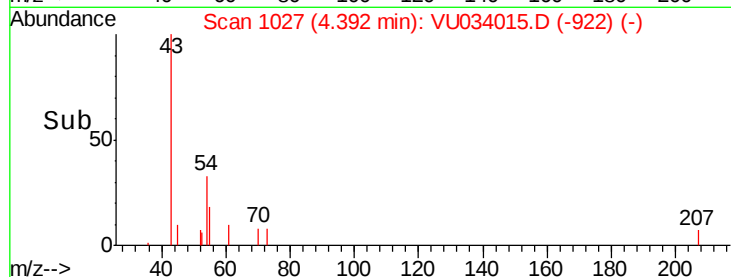
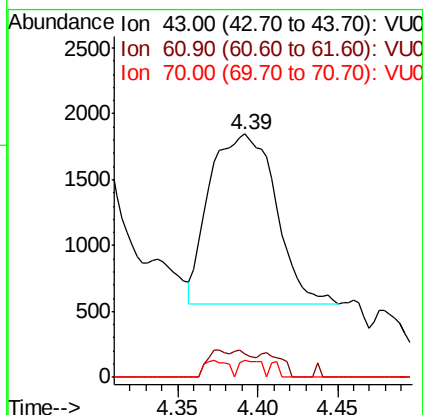
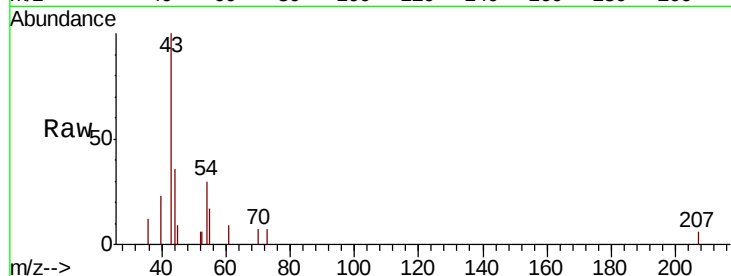




#37
Ethyl Acetate
Concen: 0.591 ug/l
RT: 4.39 min Scan# 1027
Delta R.T. 0.04 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

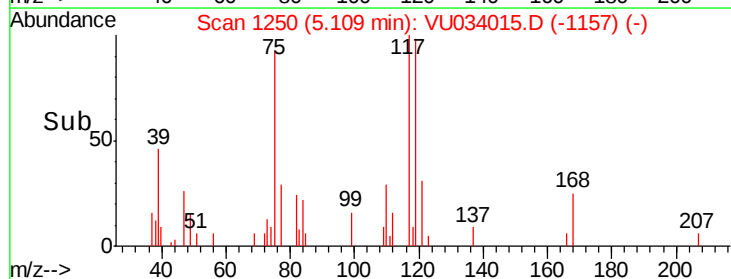
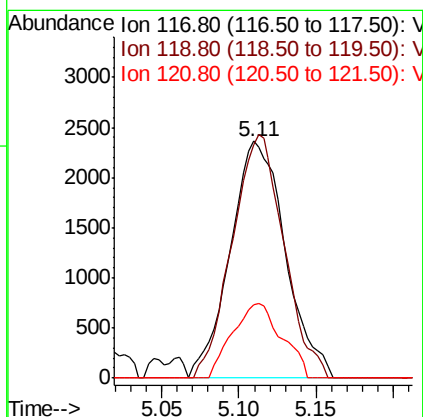
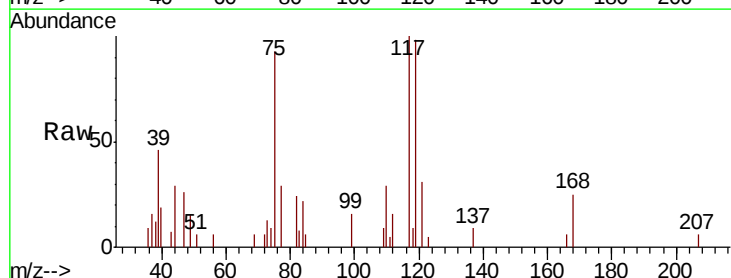
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

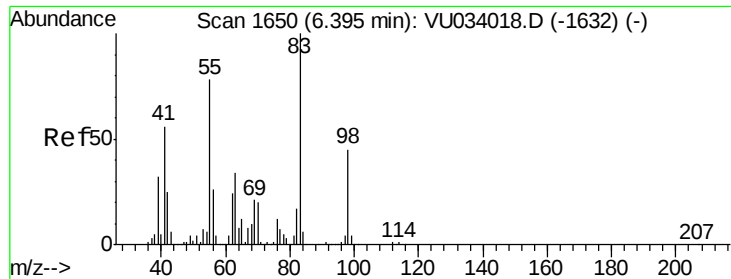
Tgt Ion: 43 Resp: 3672
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 3.1 8.6 12.8#



#38
Carbon Tetrachloride
Concen: 0.953 ug/l
RT: 5.11 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

Tgt Ion: 117 Resp: 5856
Ion Ratio Lower Upper
117 100
119 98.4 77.0 115.4
121 31.1 23.9 35.9

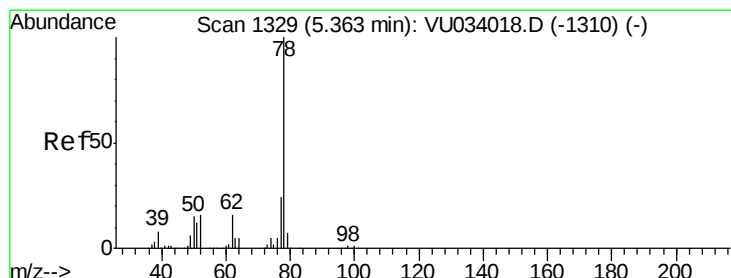
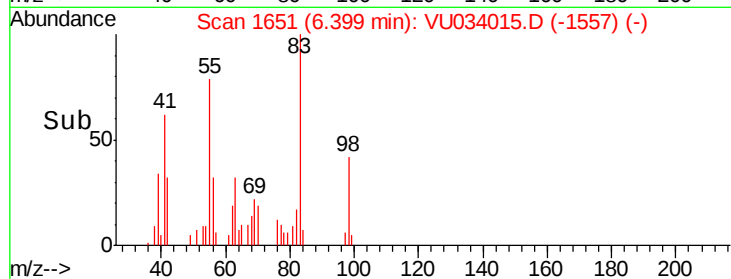
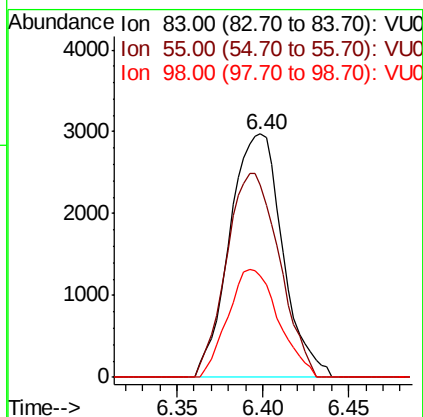
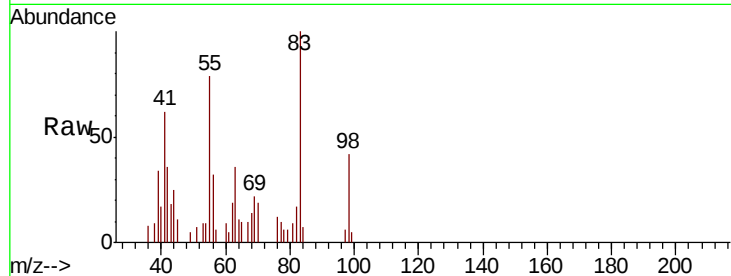




#39
Methylcyclohexane
Concen: 0.883 ug/l
RT: 6.40 min Scan# 1651
Delta R.T. 0.00 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

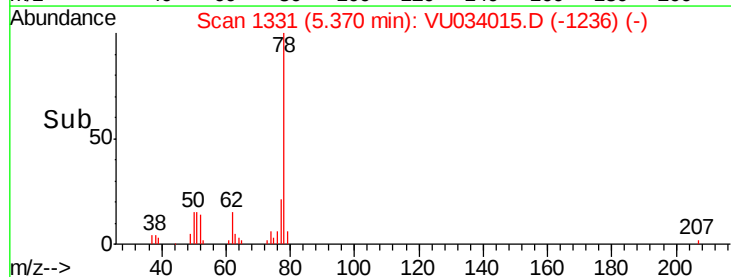
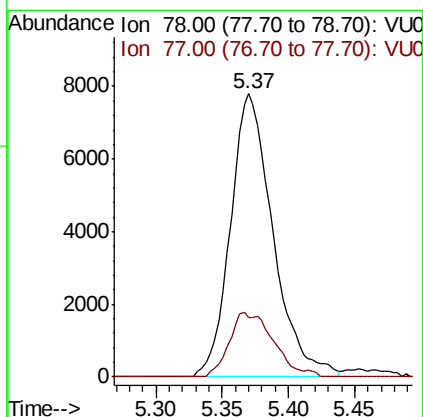
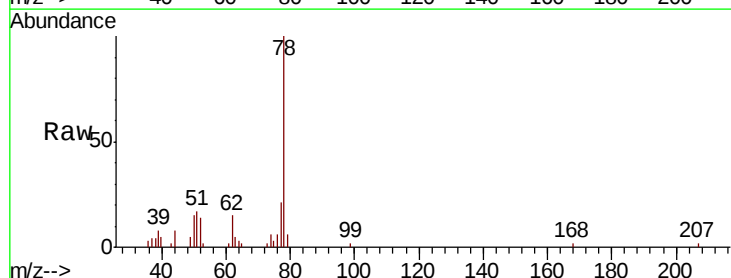
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

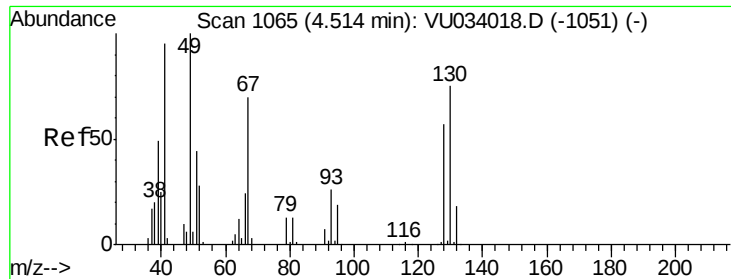
Tgt Ion: 83 Resp: 6360
Ion Ratio Lower Upper
83 100
55 78.8 62.3 93.5
98 41.6 36.2 54.2



#40
Benzene
Concen: 0.957 ug/l
RT: 5.37 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

Tgt Ion: 78 Resp: 17362
Ion Ratio Lower Upper
78 100
77 21.0 19.0 28.6

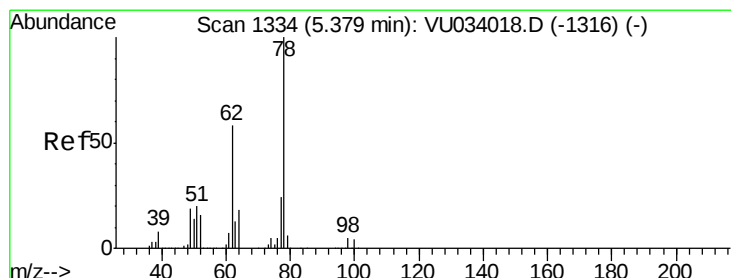
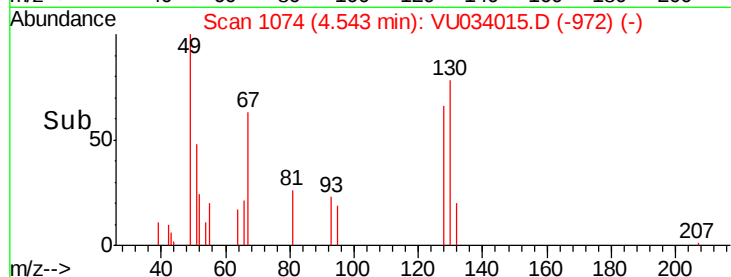
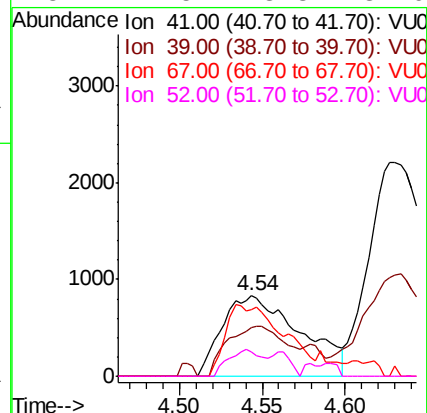
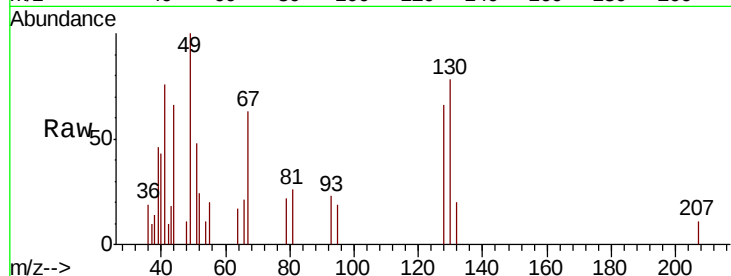




#41
Methacrylonitrile
Concen: 0.840 ug/l
RT: 4.54 min Scan# 1074
Delta R.T. 0.03 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

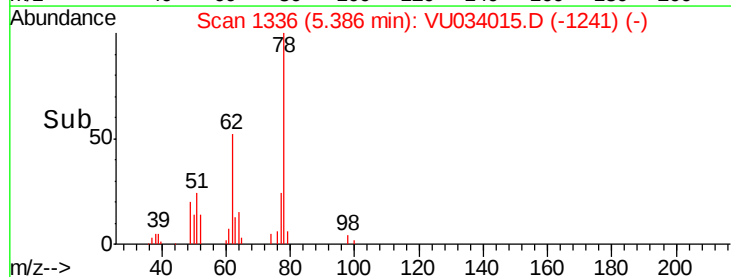
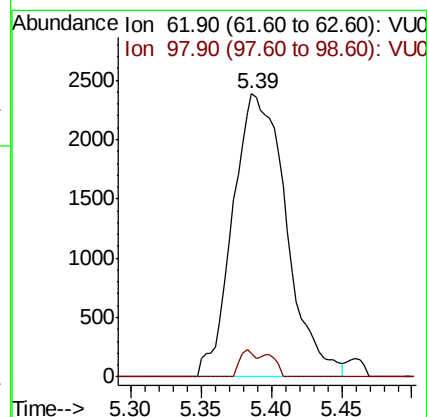
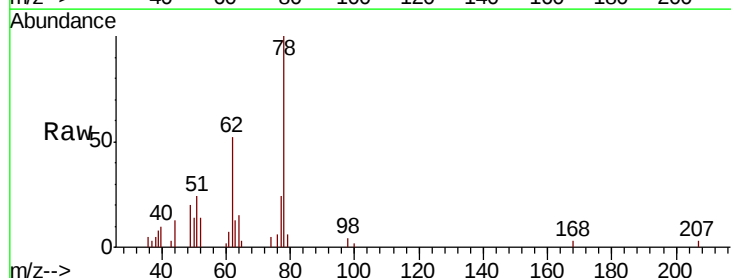
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

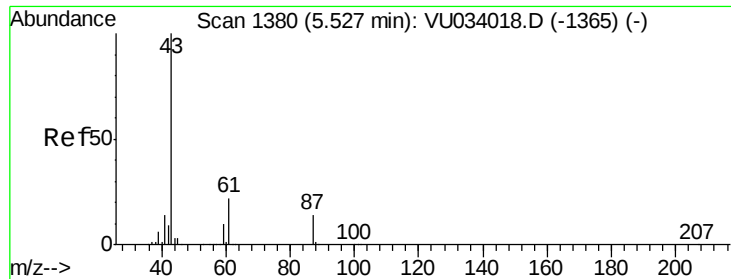
Tgt Ion: 41 Resp: 2719
Ion Ratio Lower Upper
41 100
39 47.1 42.1 63.1
67 66.1 61.0 91.4
52 14.5 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 1.028 ug/l
RT: 5.39 min Scan# 1336
Delta R.T. 0.01 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

Tgt Ion: 62 Resp: 6328
Ion Ratio Lower Upper
62 100
98 2.7 0.0 18.2

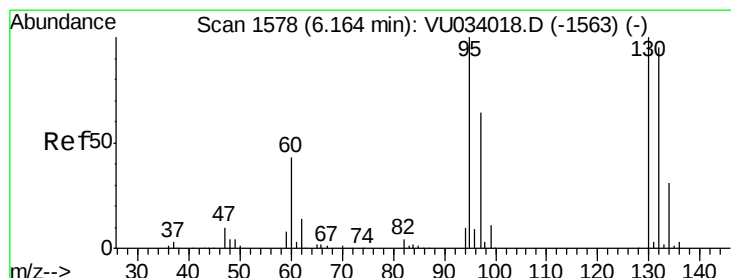
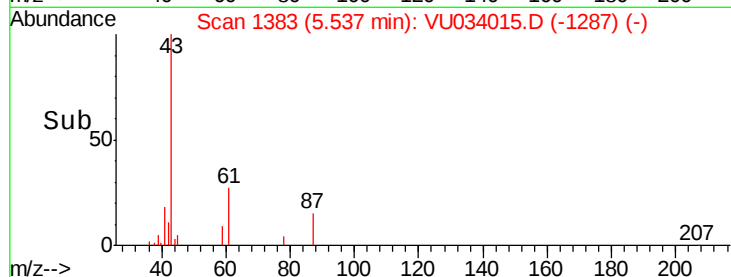
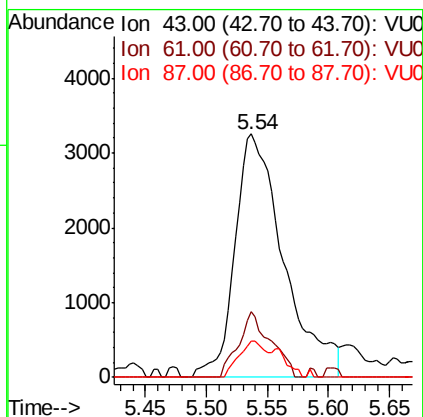
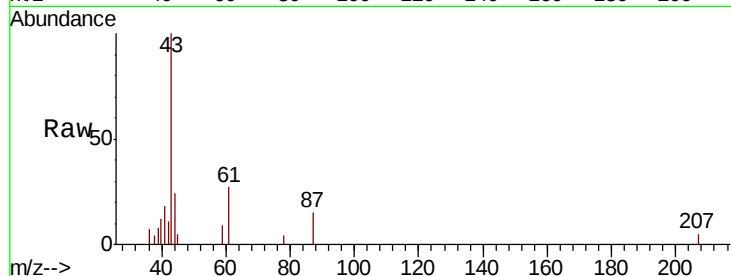




#43
Isopropyl Acetate
Concen: 0.947 ug/l
RT: 5.54 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

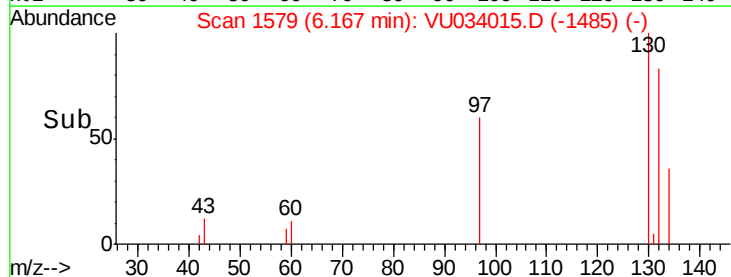
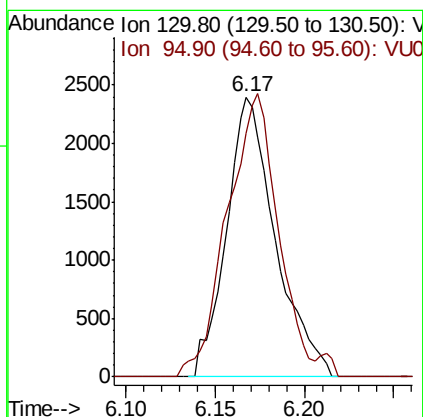
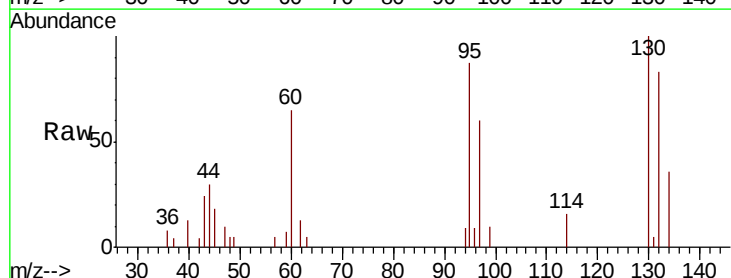
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 43 Resp: 9048
Ion Ratio Lower Upper
43 100
61 17.7 17.2 25.8
87 7.8 10.8 16.2#



#44
Trichloroethene
Concen: 0.896 ug/l
RT: 6.17 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

Tgt Ion: 130 Resp: 4559
Ion Ratio Lower Upper
130 100
95 87.1 0.0 199.6





#45

1,2-Dichloropropane

Concen: 0.933 ug/l

RT: 6.41 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

ClientSampleId :

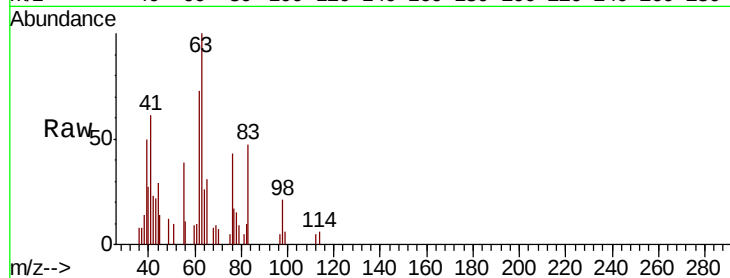
VSTDIC001

Tgt Ion: 63 Resp: 4565

Ion Ratio Lower Upper

63 100

65 31.5 25.4 38.2



Abundance Ion 62.90 (62.60 to 63.60): VU034015.D (-1637) (-)

Ion 64.90 (64.60 to 65.60): VU034015.D (-1637) (-)

2500

2000

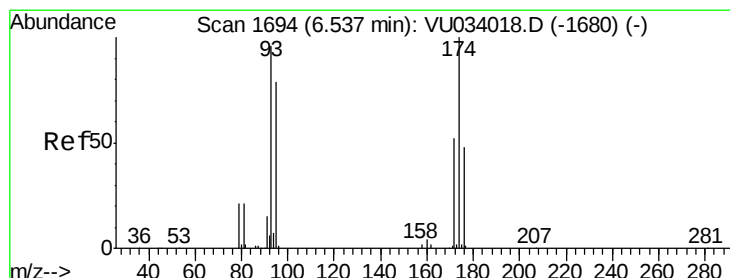
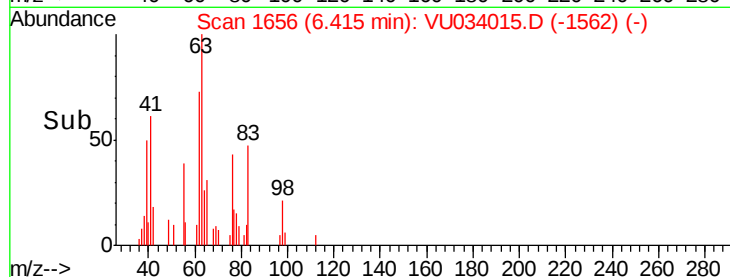
1500

1000

500

0

Time--> 6.35 6.40 6.45



#46

Dibromomethane

Concen: 0.930 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

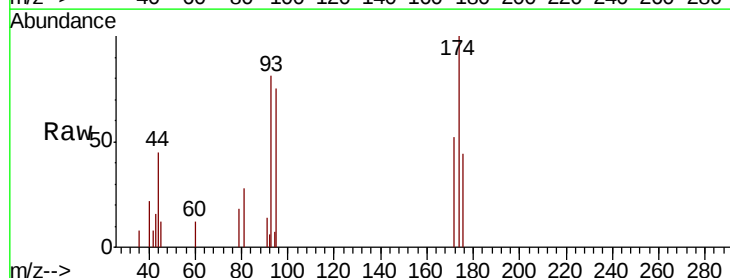
Tgt Ion: 93 Resp: 3056

Ion Ratio Lower Upper

93 100

95 82.5 66.7 100.1

174 114.6 84.9 127.3



Abundance Ion 92.80 (92.50 to 93.50): VU034015.D (-1680) (-)

Ion 94.80 (94.50 to 95.50): VU034015.D (-1680) (-)

Ion 173.70 (173.40 to 174.40): VU034015.D (-1680) (-)

2500

2000

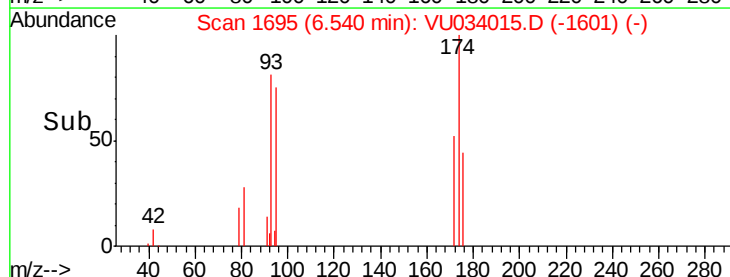
1500

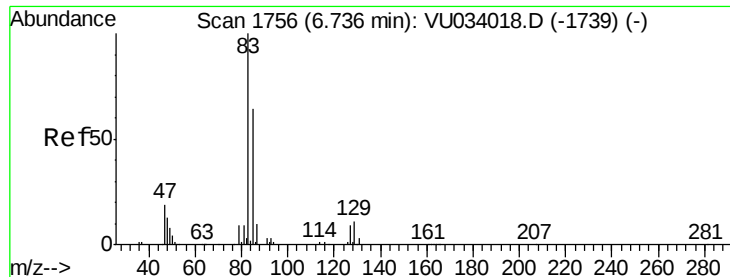
1000

500

0

Time--> 6.50 6.55 6.60





#47

Bromodichloromethane

Concen: 0.957 ug/l

RT: 6.74 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

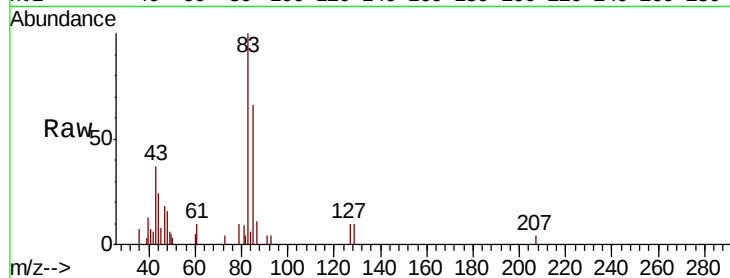
Tgt Ion: 83 Resp: 6009

Ion Ratio Lower Upper

83 100

85 66.2 51.2 76.8

127 9.6 7.0 10.6

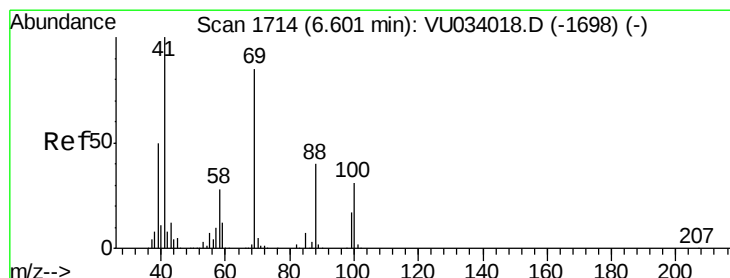
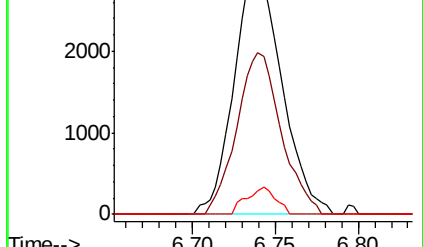
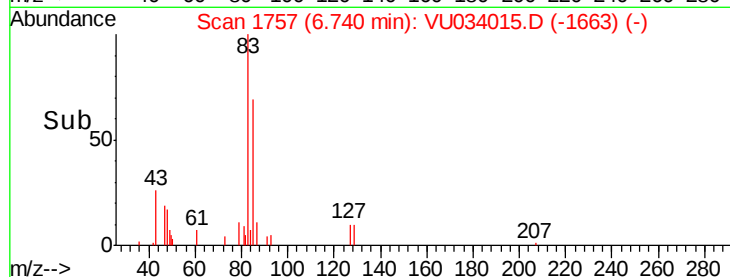


Abundance Ion 82.90 (82.60 to 83.60): VU034018.D (-1739) (-)

Ion 84.90 (84.60 to 85.60): VU034018.D (-1739) (-)

Ion 126.80 (126.50 to 127.50): VU034018.D (-1739) (-)

Time-->



#48

Methyl methacrylate

Concen: 0.884 ug/l

RT: 6.62 min Scan# 1719

Delta R.T. 0.02 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

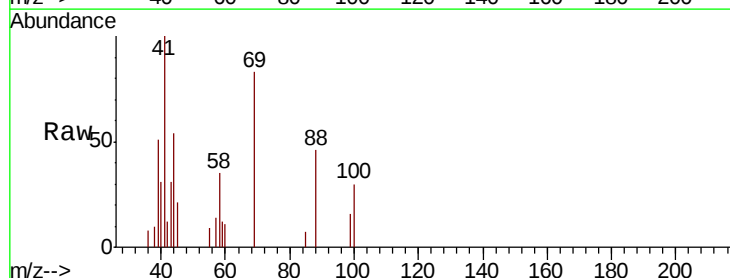
Tgt Ion: 41 Resp: 4056

Ion Ratio Lower Upper

41 100

69 86.3 69.5 104.3

39 52.1 40.3 60.5

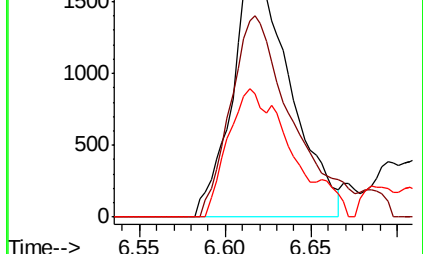
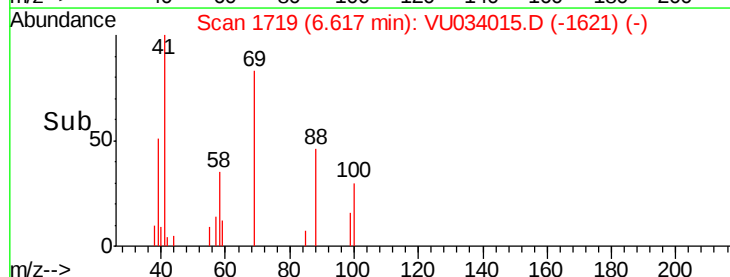


Abundance Ion 41.00 (40.70 to 41.70): VU034018.D (-1698) (-)

Ion 69.00 (68.70 to 69.70): VU034018.D (-1698) (-)

Ion 39.00 (38.70 to 39.70): VU034018.D (-1698) (-)

Time-->

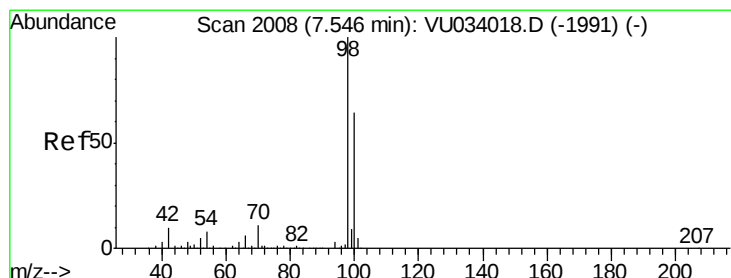
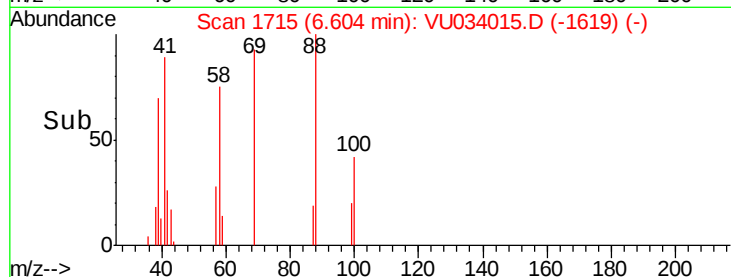
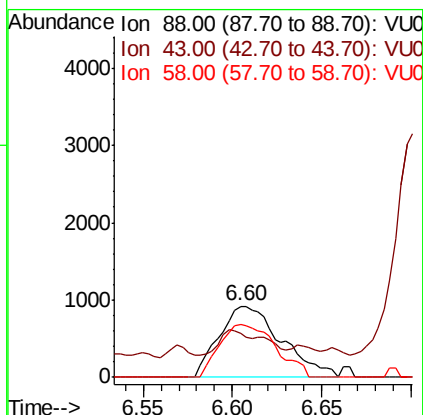
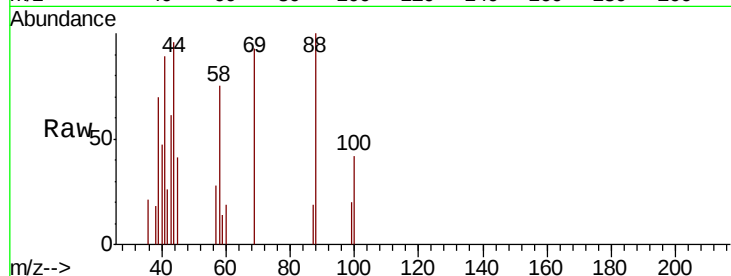




#49
1,4-Dioxane
Concen: 18.436 ug/l
RT: 6.60 min Scan# 1715
Delta R.T. 0.01 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

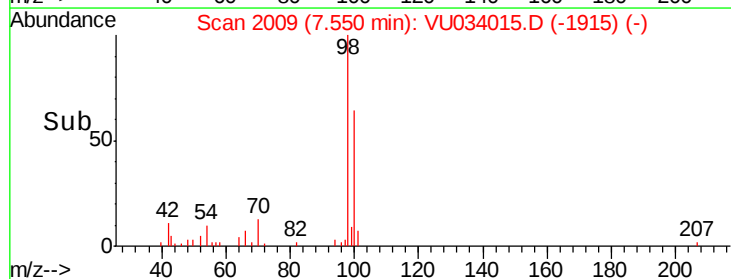
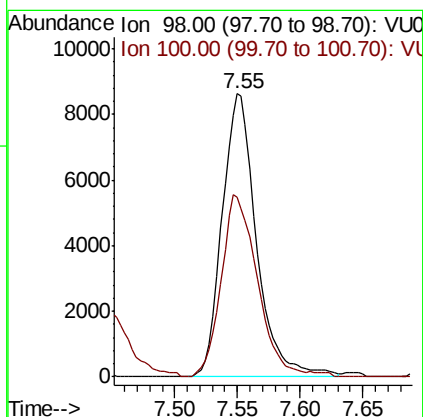
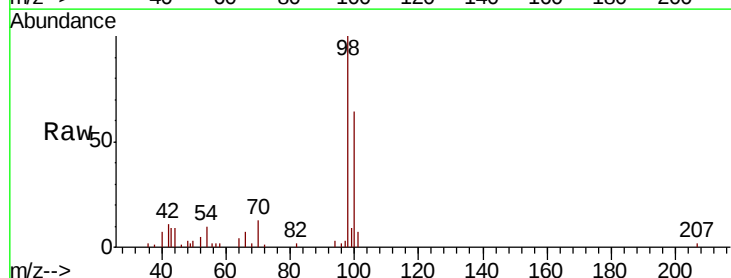
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

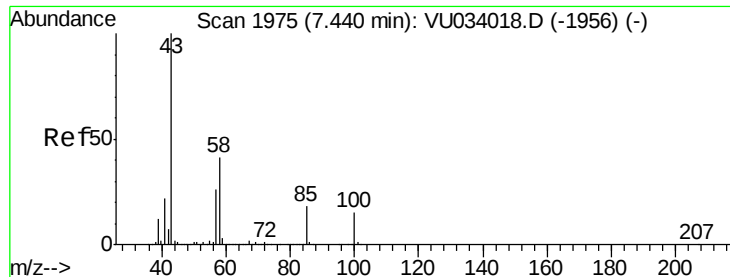
Tgt Ion: 88 Resp: 2236
Ion Ratio Lower Upper
88 100
43 24.5 24.8 37.2#
58 66.5 59.3 88.9



#50
Toluene-d8
Concen: 0.992 ug/l
RT: 7.55 min Scan# 2009
Delta R.T. 0.00 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

Tgt Ion: 98 Resp: 16356
Ion Ratio Lower Upper
98 100
100 68.6 50.3 75.5





#51

4-Methyl-2-Pentanone

Concen: 4.509 ug/l

RT: 7.45 min Scan# 1977

Delta R.T. 0.01 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

ClientSampleId :

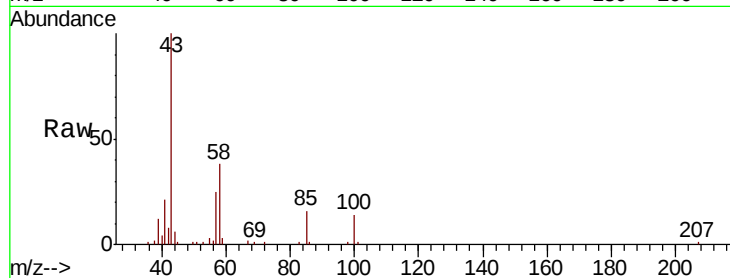
VSTDIC001

Tgt Ion: 43 Resp: 29826

Ion Ratio Lower Upper

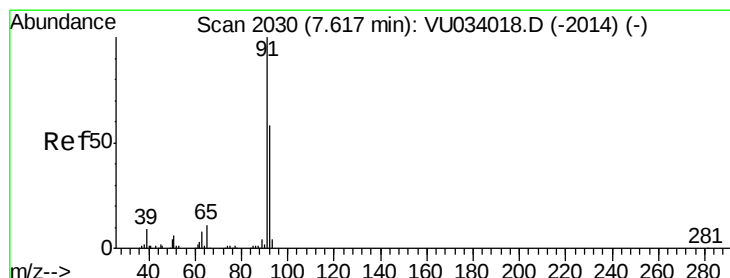
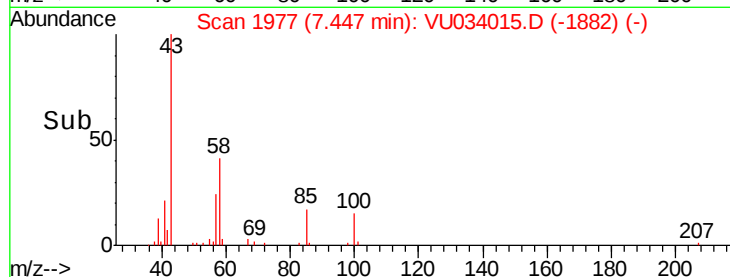
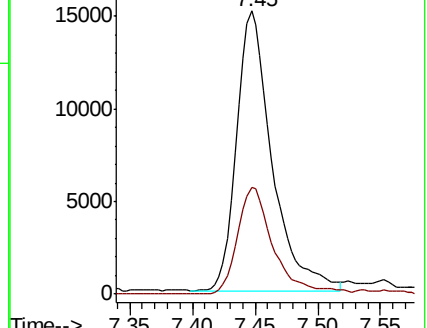
43 100

58 38.4 32.2 48.4



Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-1956) (-)

Ion 58.00 (57.70 to 58.70): VU034018.D (-1956) (-)



#52

Toluene

Concen: 0.884 ug/l

RT: 7.62 min Scan# 2032

Delta R.T. 0.01 min

Lab File: VU034015.D

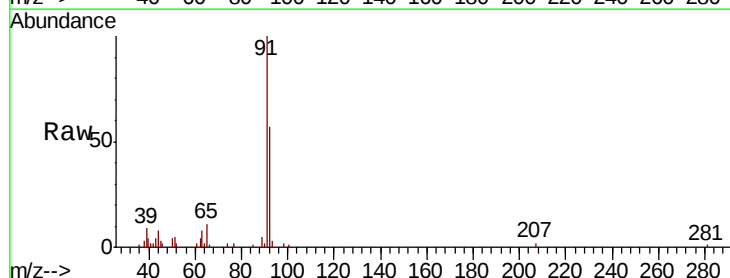
Acq: 28 Aug 2019 11:37

Tgt Ion: 92 Resp: 10091

Ion Ratio Lower Upper

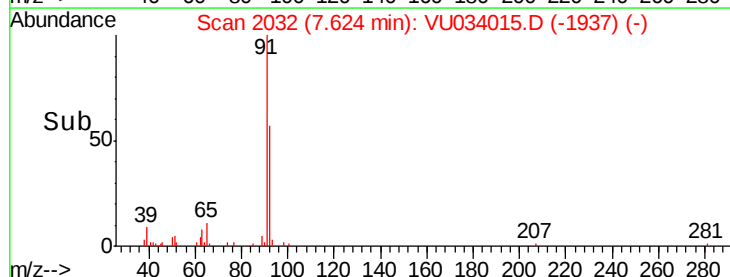
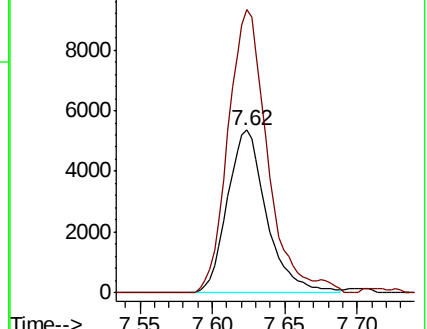
92 100

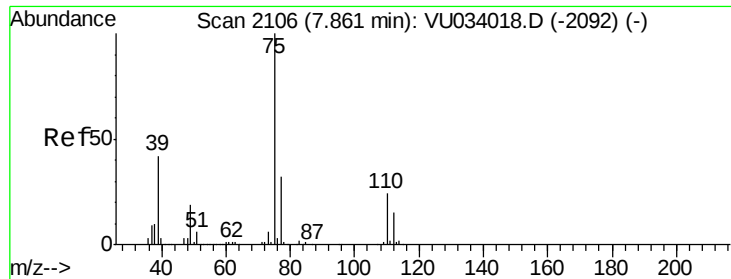
91 174.6 138.3 207.5



Abundance Ion 92.00 (91.70 to 92.70): VU034018.D (-2014) (-)

Ion 91.00 (90.70 to 91.70): VU034018.D (-2014) (-)

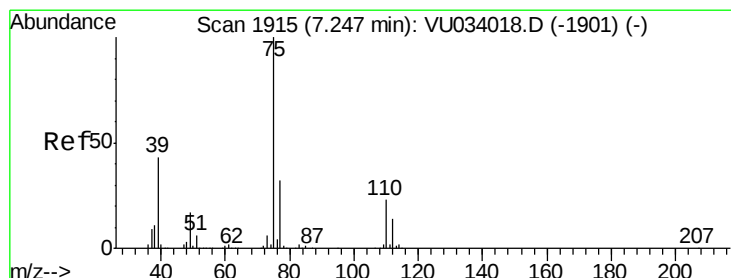
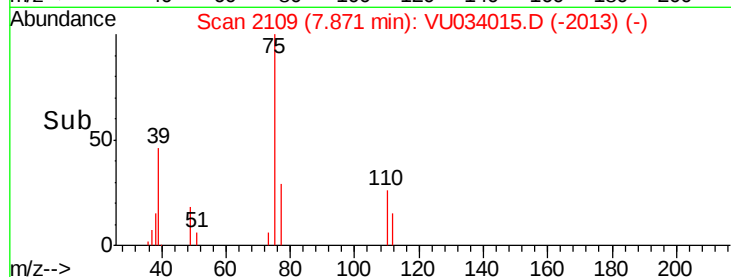
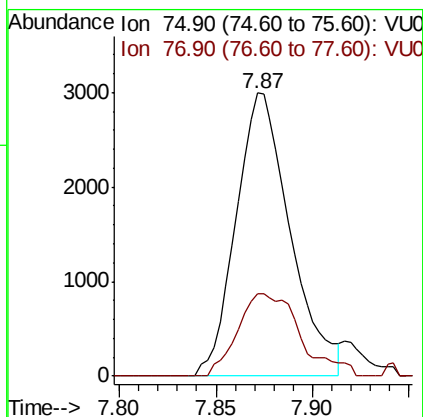
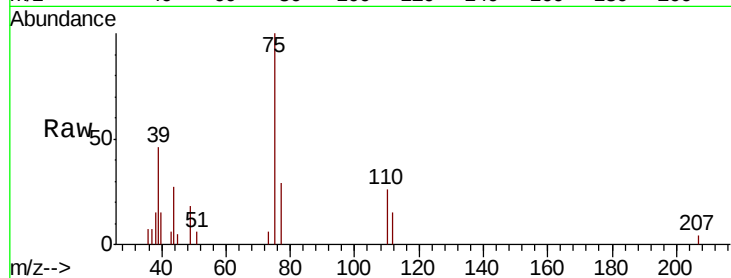




#53
 t-1,3-Dichloropropene
 Concen: 0.836 ug/l
 RT: 7.87 min Scan# 2109
 Delta R.T. 0.01 min
 Lab File: VU034015.D
 Acq: 28 Aug 2019 11:37

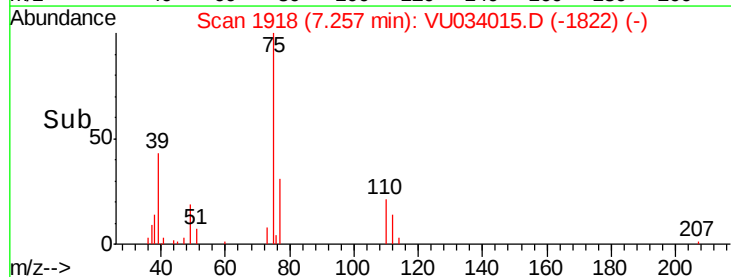
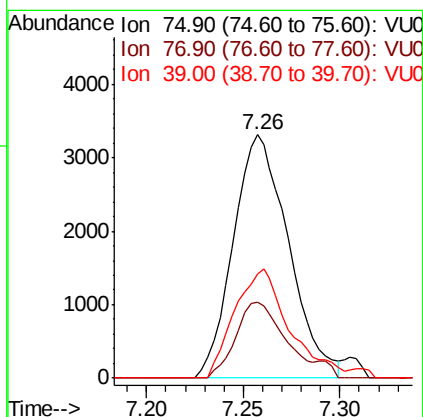
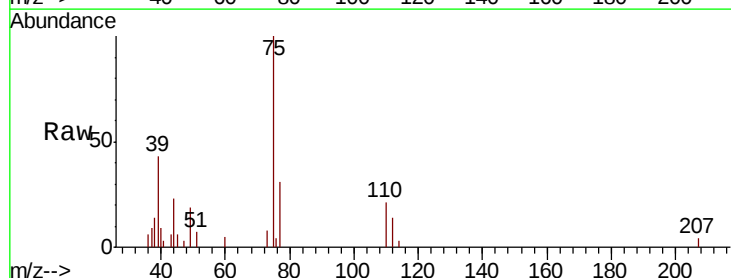
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

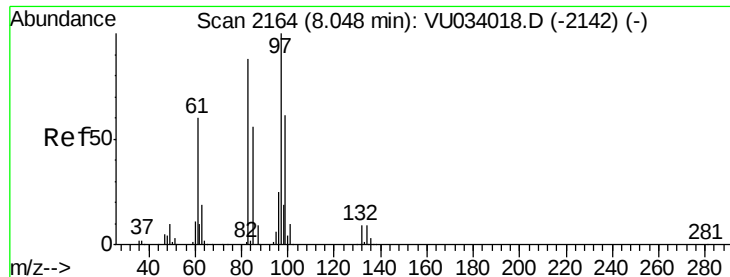
Tgt Ion: 75 Resp: 5847
 Ion Ratio Lower Upper
 75 100
 77 29.0 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 0.874 ug/l
 RT: 7.26 min Scan# 1918
 Delta R.T. 0.01 min
 Lab File: VU034015.D
 Acq: 28 Aug 2019 11:37

Tgt Ion: 75 Resp: 6583
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.2 37.8
 39 42.8 34.6 51.8

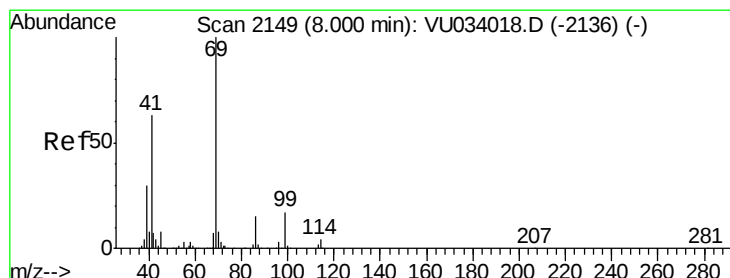
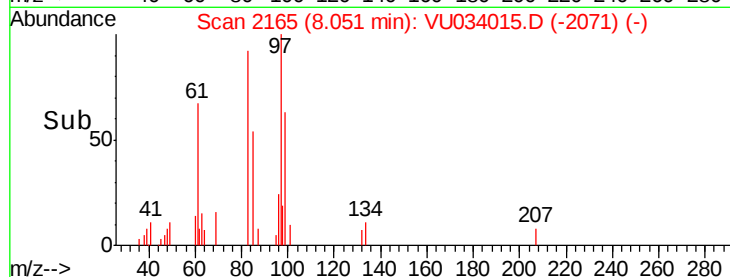
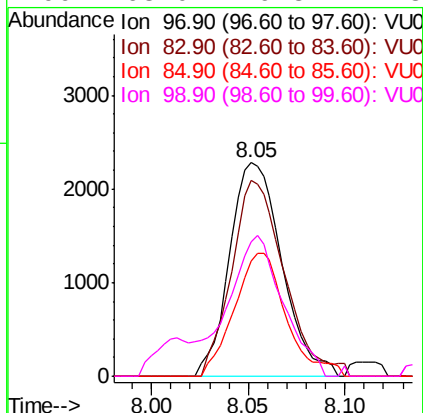
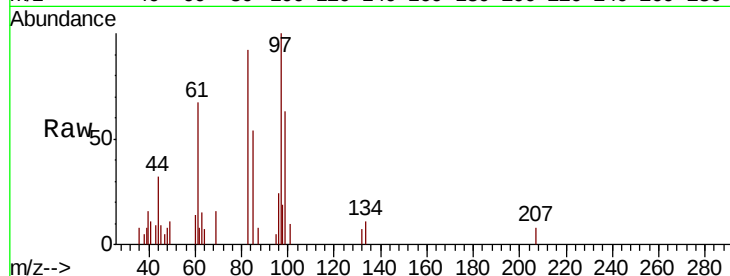




#55
 1,1,2-Trichloroethane
 Concen: 0.884 ug/l
 RT: 8.05 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VU034015.D
 Acq: 28 Aug 2019 11:37

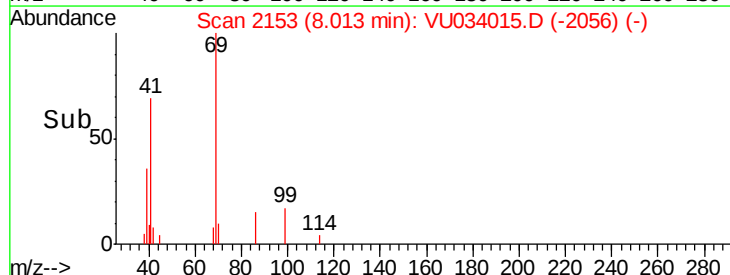
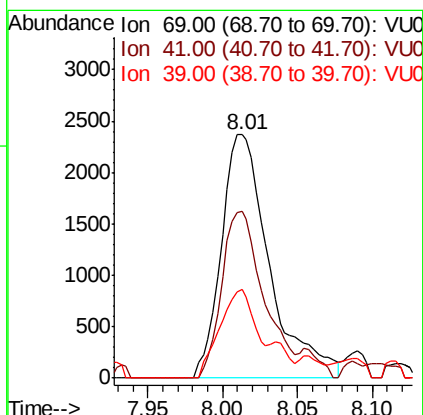
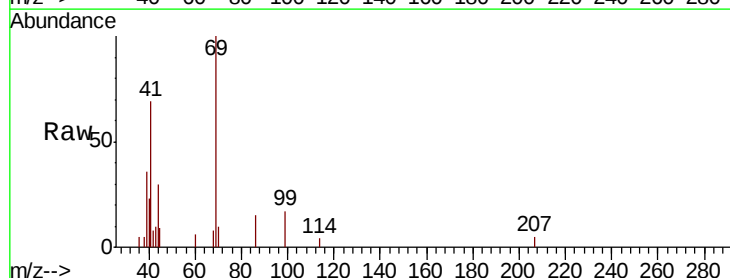
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

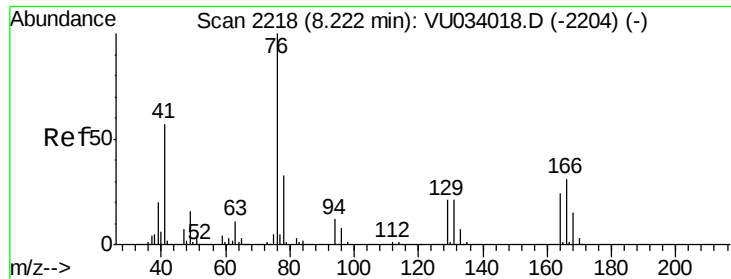
Tgt Ion:	97	Resp:	4287
Ion	Ratio	Lower	Upper
97	100		
83	91.8	70.1	105.1
85	53.9	45.0	67.4
99	63.0	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 0.769 ug/l
 RT: 8.01 min Scan# 2153
 Delta R.T. 0.01 min
 Lab File: VU034015.D
 Acq: 28 Aug 2019 11:37

Tgt Ion:	69	Resp:	5313
Ion	Ratio	Lower	Upper
69	100		
41	59.4	50.7	76.1
39	27.0	24.2	36.2

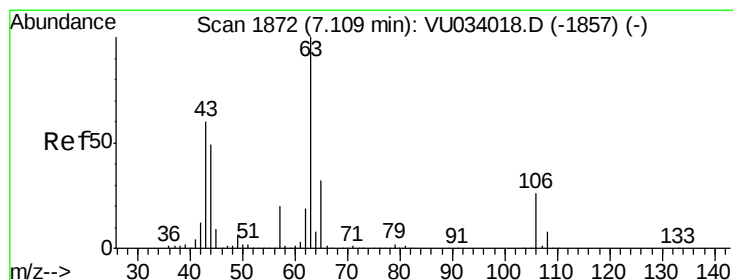
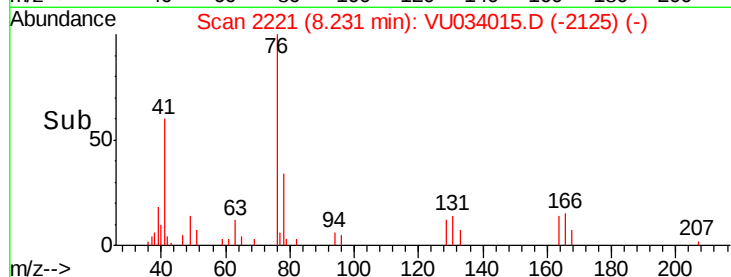
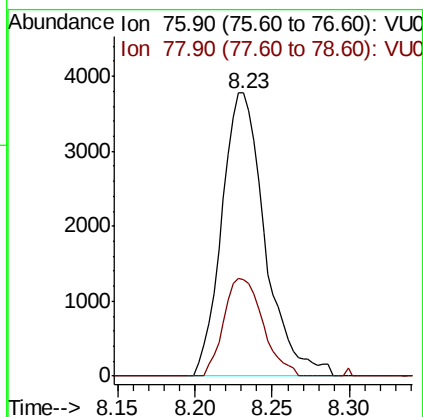
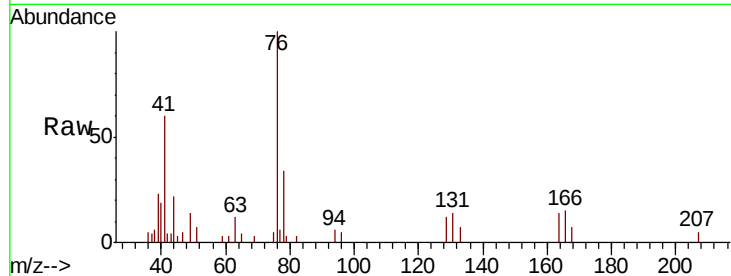




#57
 1,3-Dichloropropane
 Concen: 0.927 ug/l
 RT: 8.23 min Scan# 2221
 Delta R.T. 0.01 min
 Lab File: VU034015.D
 Acq: 28 Aug 2019 11:37

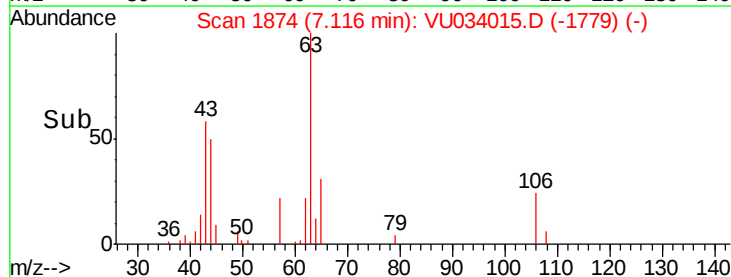
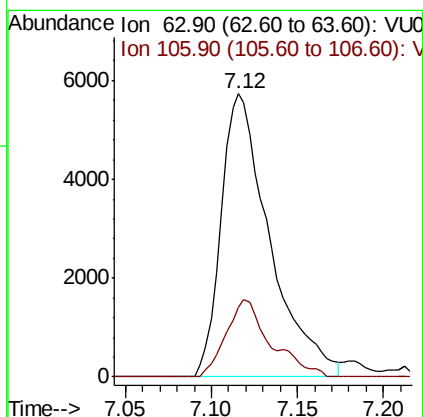
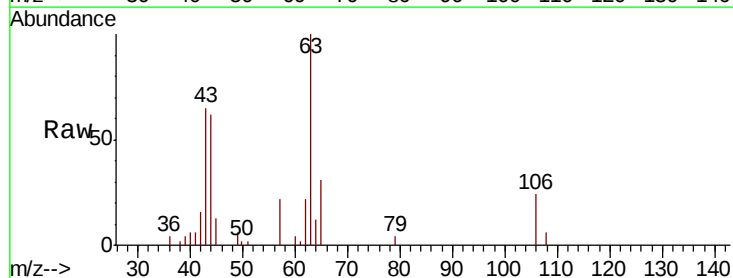
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

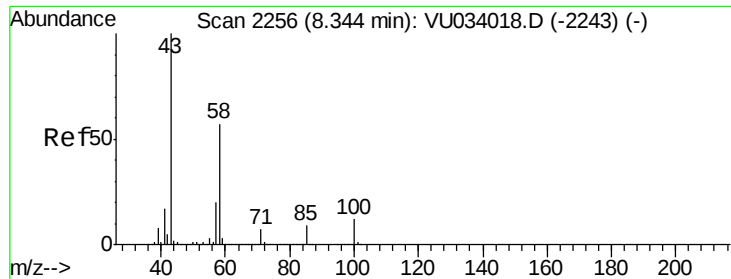
Tgt Ion: 76 Resp: 7314
 Ion Ratio Lower Upper
 76 100
 78 31.1 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 4.431 ug/l
 RT: 7.12 min Scan# 1874
 Delta R.T. 0.01 min
 Lab File: VU034015.D
 Acq: 28 Aug 2019 11:37

Tgt Ion: 63 Resp: 11263
 Ion Ratio Lower Upper
 63 100
 106 24.9 20.7 31.1

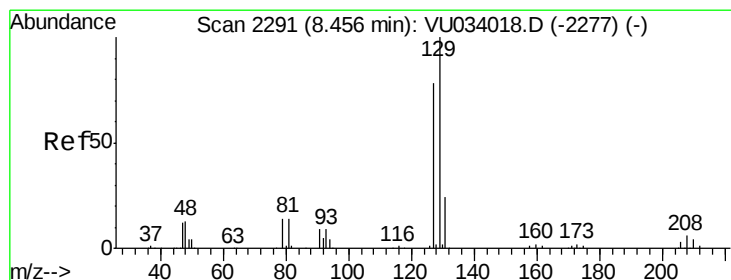
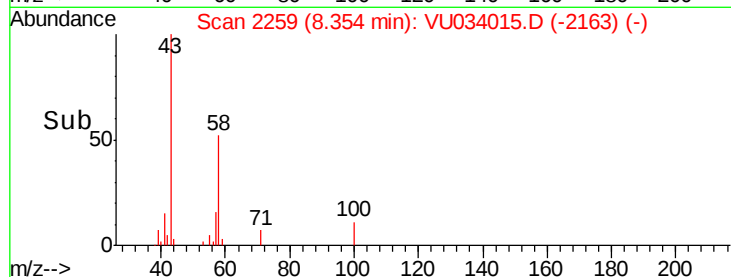
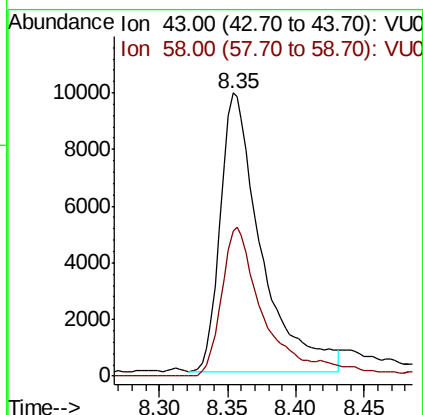
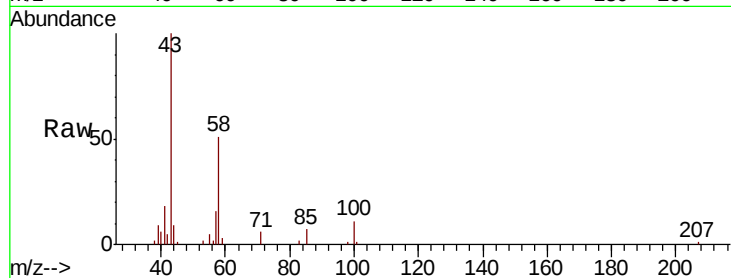




#59
2-Hexanone
Concen: 4.047 ug/l
RT: 8.35 min Scan# 2259
Delta R.T. 0.01 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

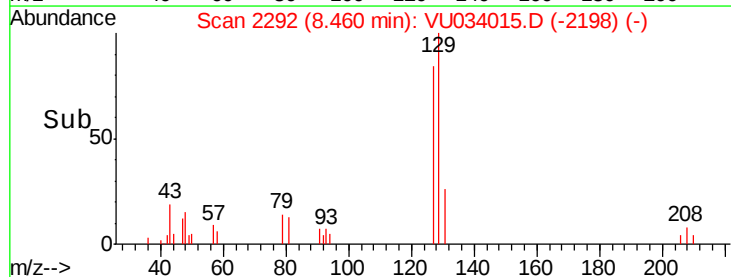
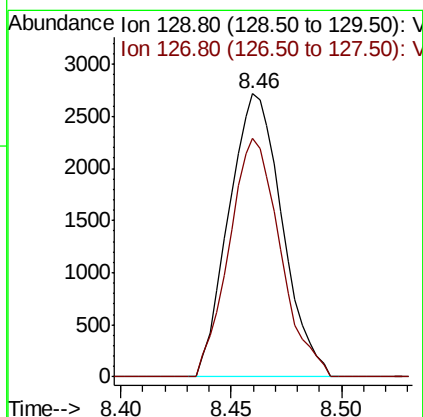
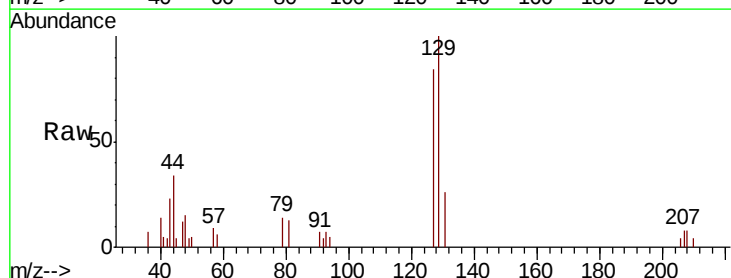
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

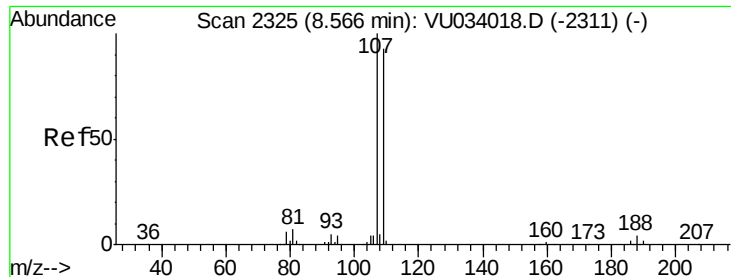
Tgt Ion: 43 Resp: 20557
Ion Ratio Lower Upper
43 100
58 56.9 28.4 85.3



#60
Dibromochloromethane
Concen: 0.844 ug/l
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

Tgt Ion: 129 Resp: 4551
Ion Ratio Lower Upper
129 100
127 80.8 39.0 116.9





#61

1,2-Dibromoethane

Concen: 0.910 ug/l

RT: 8.57 min Scan# 2327

Delta R.T. 0.01 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

ClientSampleId :

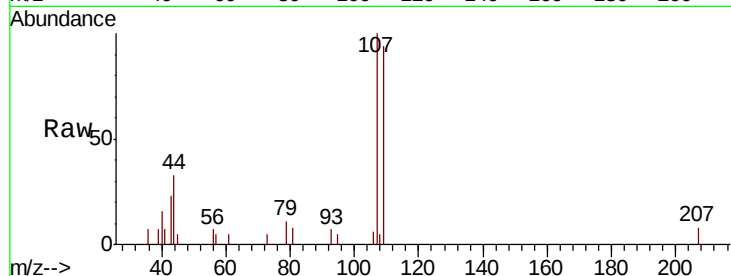
VSTDIC001

Tgt Ion: 107 Resp: 4631

Ion Ratio Lower Upper

107 100

109 92.5 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

2500

2000

1500

1000

500

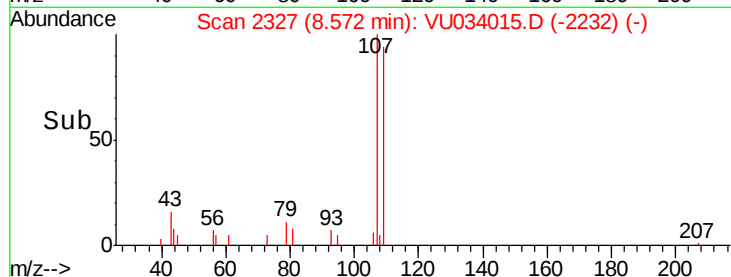
0

8.50

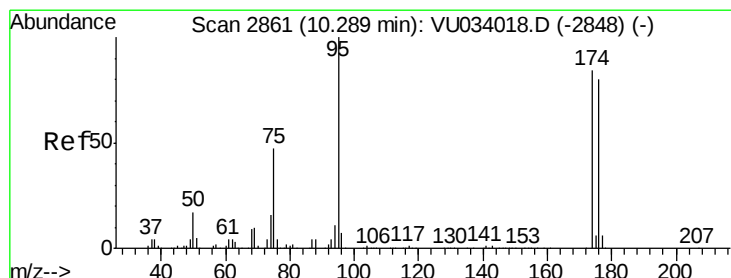
8.55

8.60

8.65



Time-->



#62

4-Bromofluorobenzene

Concen: 1.109 ug/l

RT: 10.30 min Scan# 2863

Delta R.T. 0.01 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

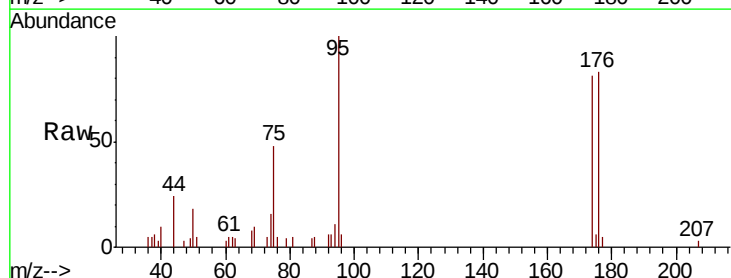
Tgt Ion: 95 Resp: 7078

Ion Ratio Lower Upper

95 100

174 76.8 0.0 168.8

176 74.9 0.0 161.8



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

5000

4000

3000

2000

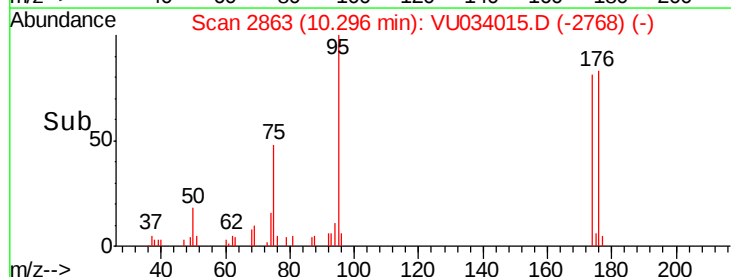
1000

0

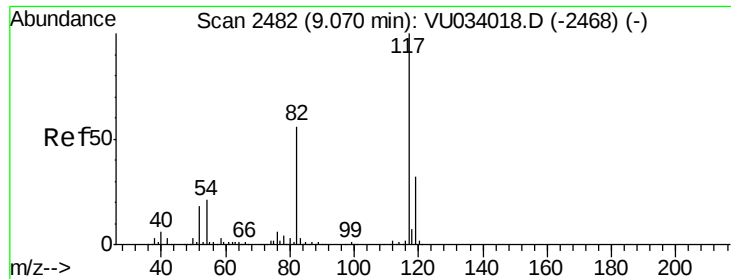
10.25

10.30

10.35



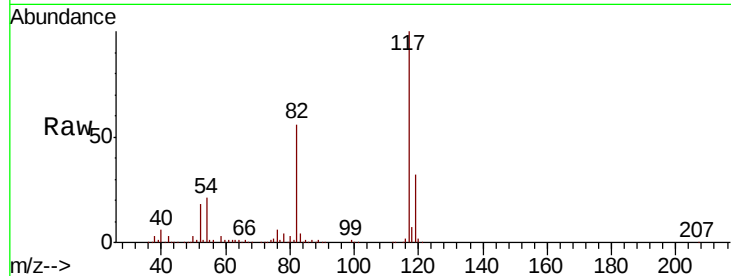
Time-->



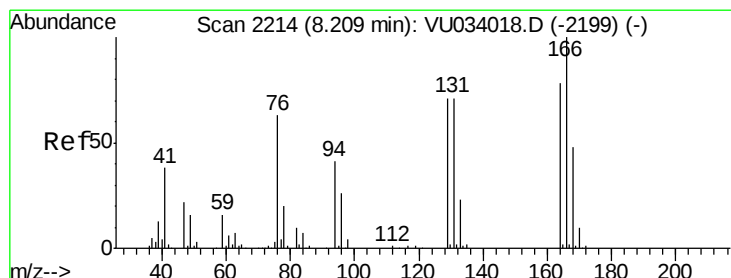
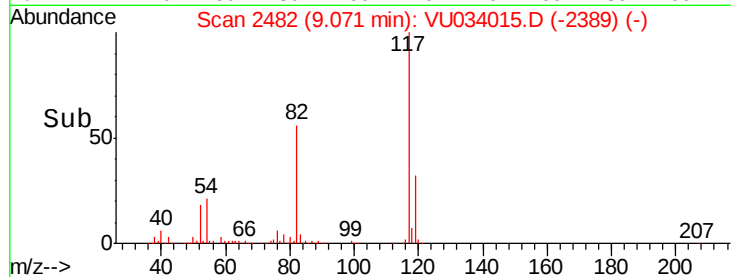
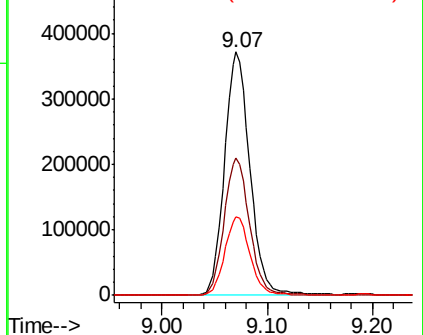
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion:117 Resp: 618901
Ion Ratio Lower Upper
117 100
82 56.3 45.1 67.7
119 32.3 25.4 38.0

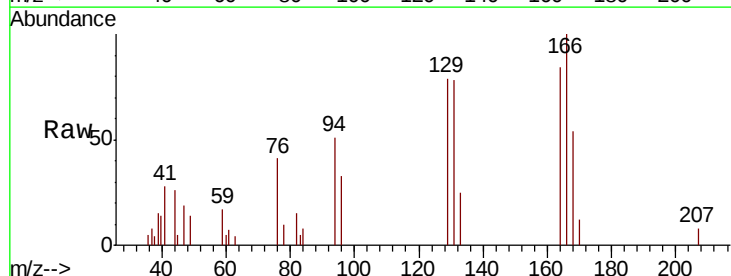


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

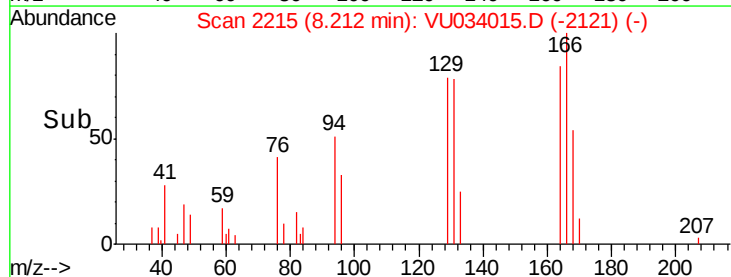
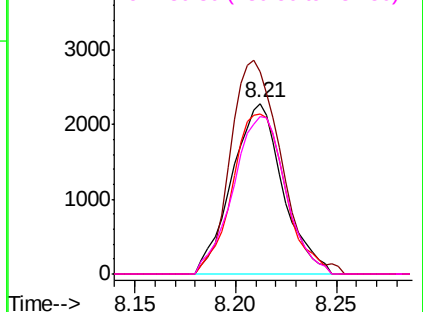


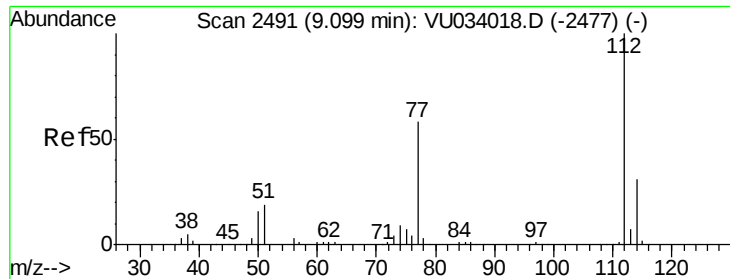
#64
Tetrachloroethene
Concen: 0.827 ug/l
RT: 8.21 min Scan# 2215
Delta R.T. 0.00 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

Tgt Ion:164 Resp: 4044
Ion Ratio Lower Upper
164 100
166 118.5 102.2 153.2
129 93.7 72.4 108.6
131 92.5 72.1 108.1



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

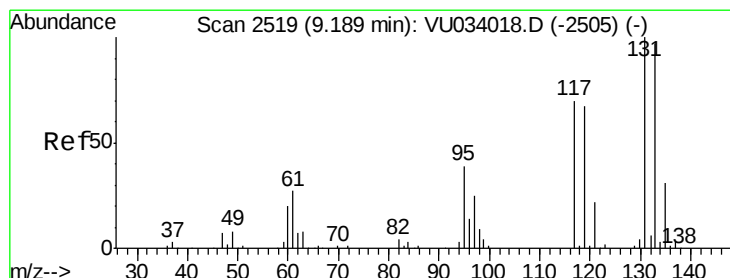
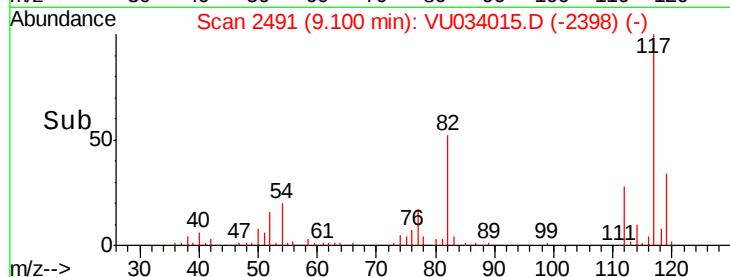
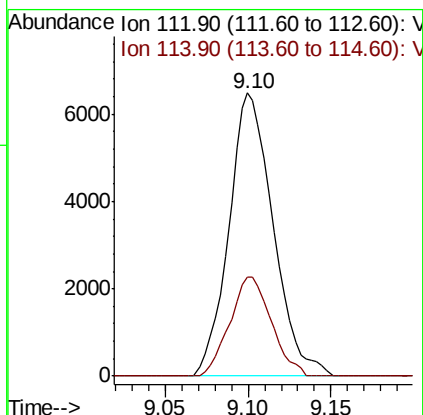
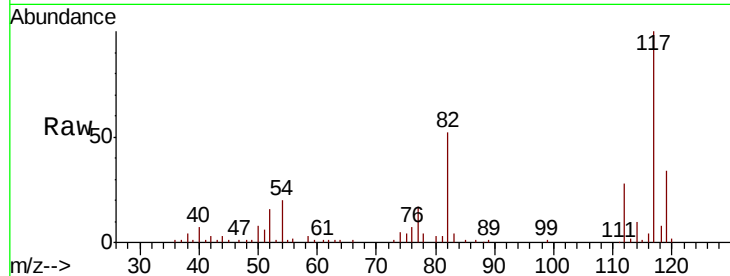




#65
Chlorobenzene
Concen: 0.929 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

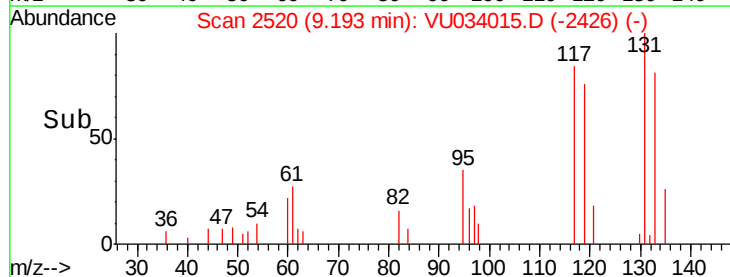
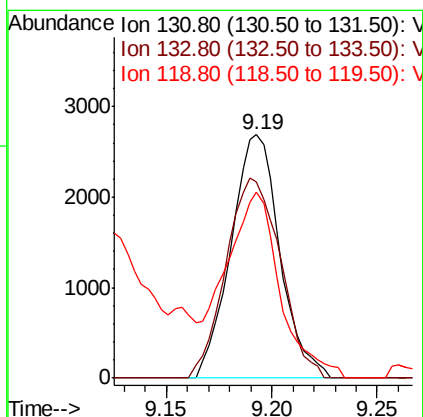
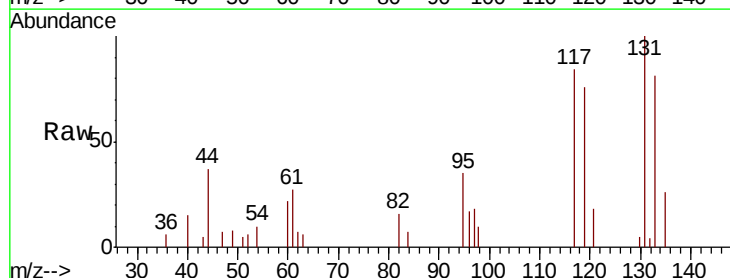
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

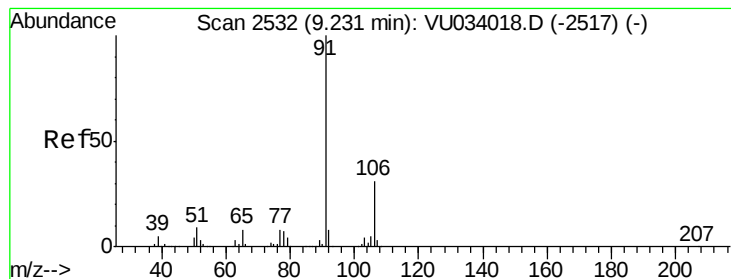
Tgt Ion:112 Resp: 12013
Ion Ratio Lower Upper
112 100
114 35.1 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 0.906 ug/l
RT: 9.19 min Scan# 2520
Delta R.T. 0.00 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

Tgt Ion:131 Resp: 4328
Ion Ratio Lower Upper
131 100
133 91.6 48.4 145.2
119 0.0 33.6 100.6#





#67

Ethyl Benzene

Concen: 0.861 ug/l

RT: 9.23 min Scan# 2533

Delta R.T. 0.00 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

ClientSampleId :

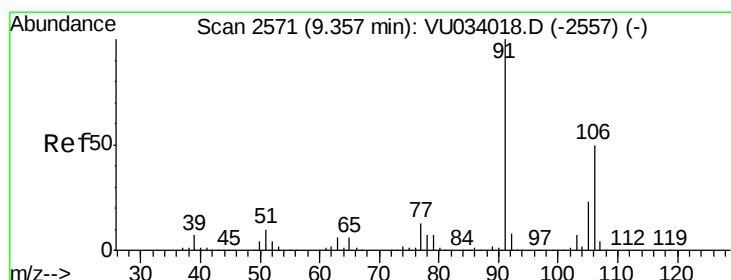
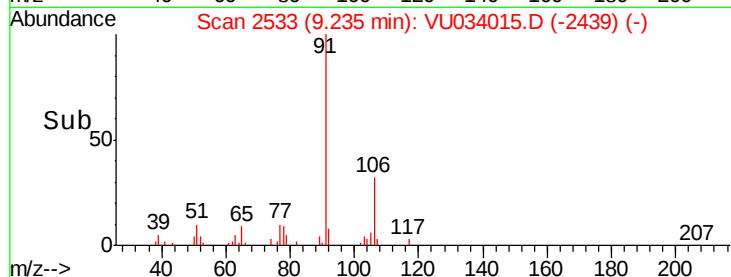
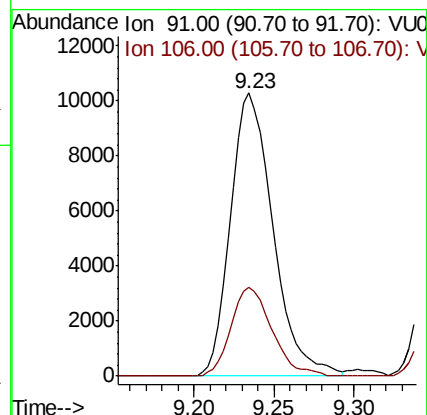
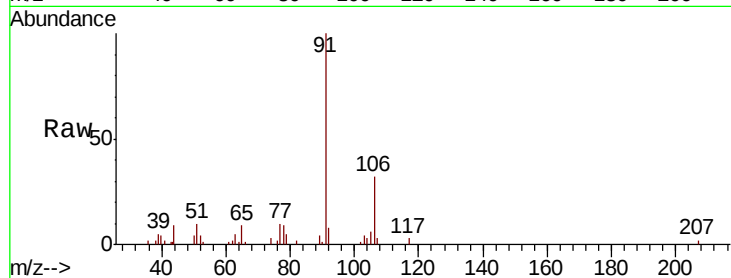
VSTDIC001

Tgt Ion: 91 Resp: 18673

Ion Ratio Lower Upper

91 100

106 31.6 24.9 37.3



#68

m/p-Xylenes

Concen: 1.636 ug/l

RT: 9.36 min Scan# 2572

Delta R.T. 0.00 min

Lab File: VU034015.D

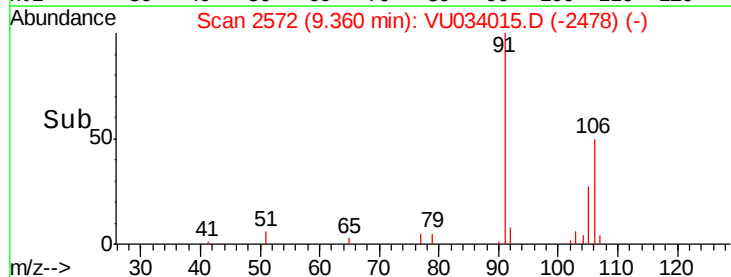
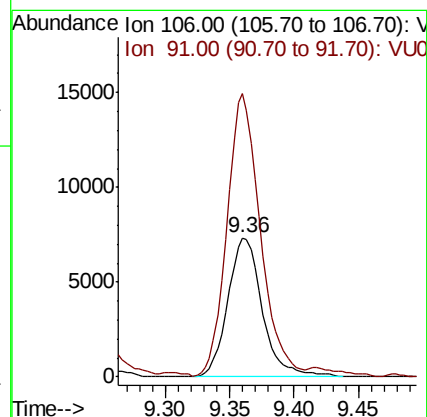
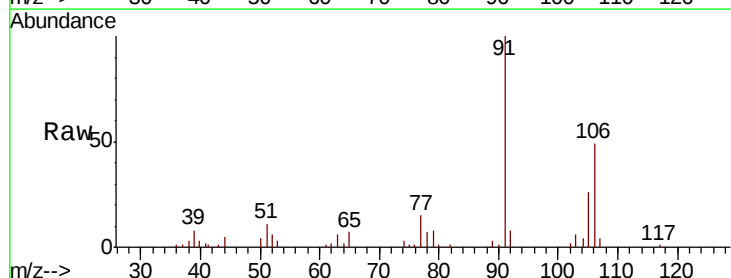
Acq: 28 Aug 2019 11:37

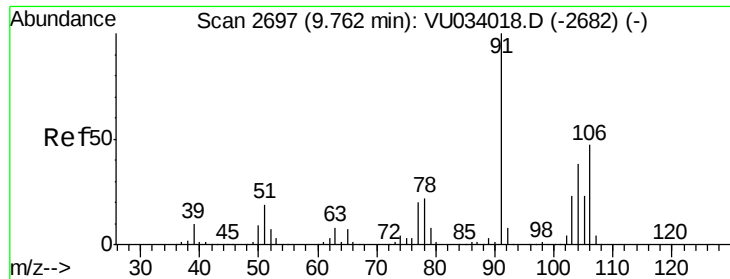
Tgt Ion: 106 Resp: 13639

Ion Ratio Lower Upper

106 100

91 196.9 161.6 242.4

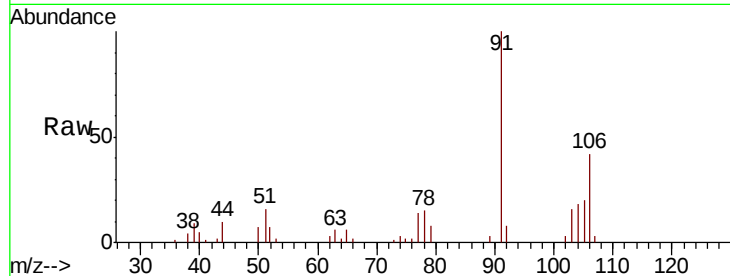




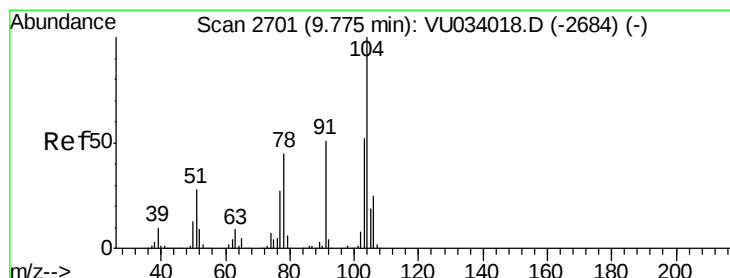
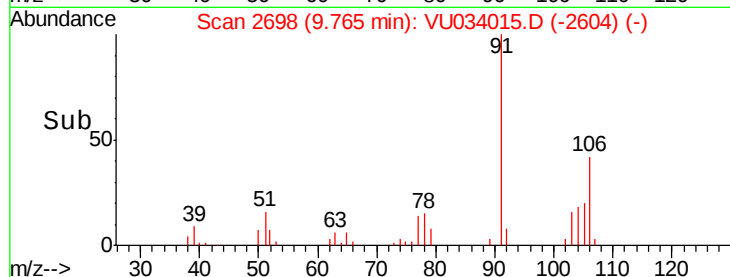
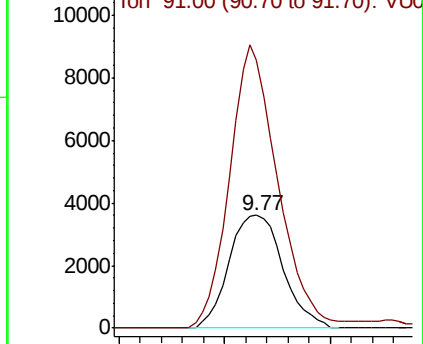
#69
o-Xylene
Concen: 0.801 ug/l
RT: 9.77 min Scan# 2698
Delta R.T. 0.00 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion:106 Resp: 6401
Ion Ratio Lower Upper
106 100
91 223.9 106.0 318.0

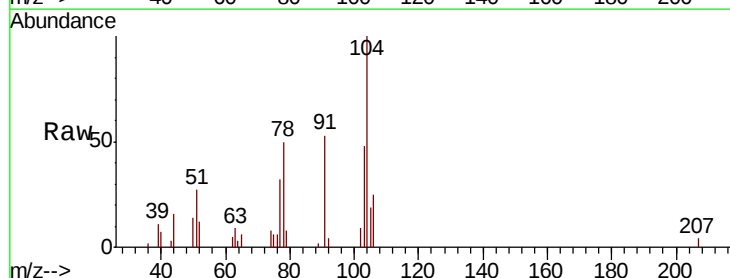


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

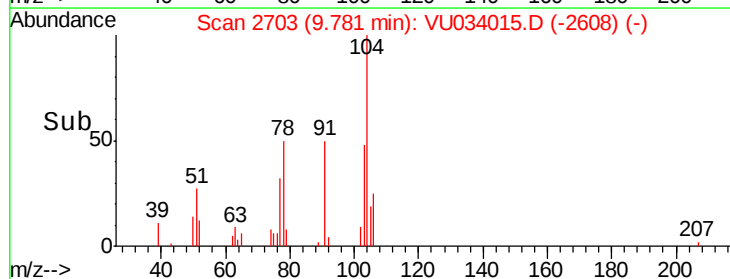
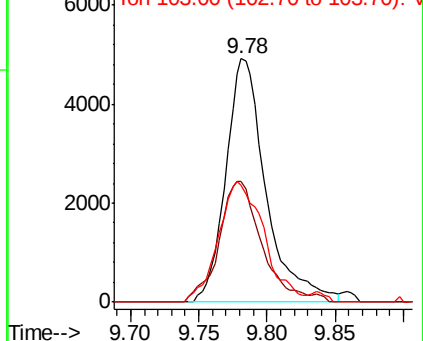


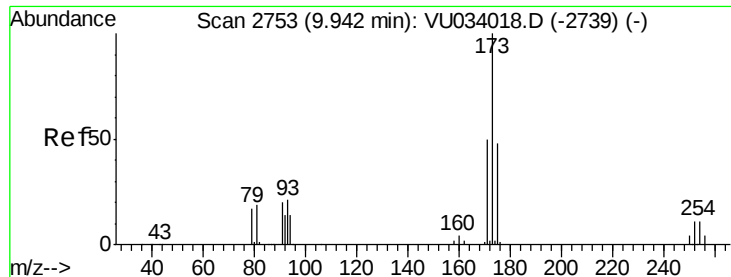
#70
Styrene
Concen: 0.737 ug/l
RT: 9.78 min Scan# 2703
Delta R.T. 0.01 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

Tgt Ion:104 Resp: 10082
Ion Ratio Lower Upper
104 100
78 52.9 39.0 58.4
103 55.7 44.0 66.0



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: 0.850 ug/l

RT: 9.95 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

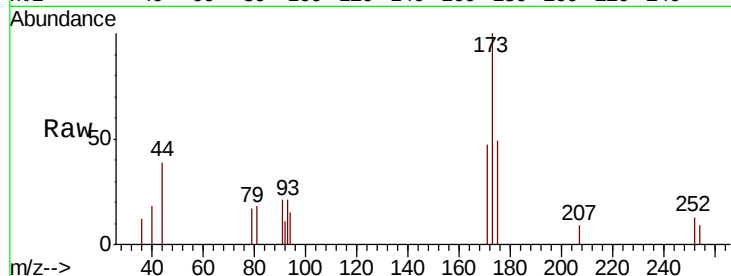
Tgt Ion:173 Resp: 3595

Ion Ratio Lower Upper

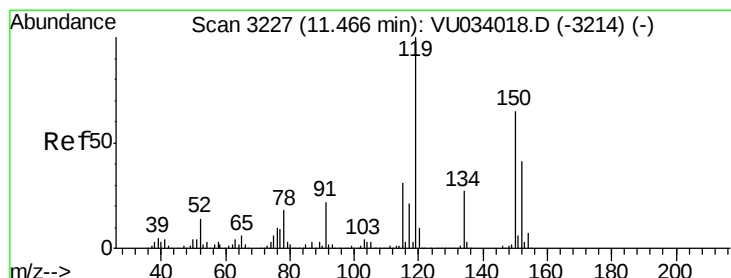
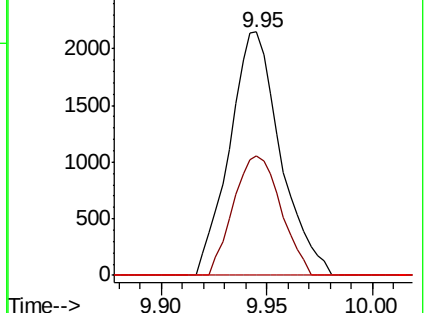
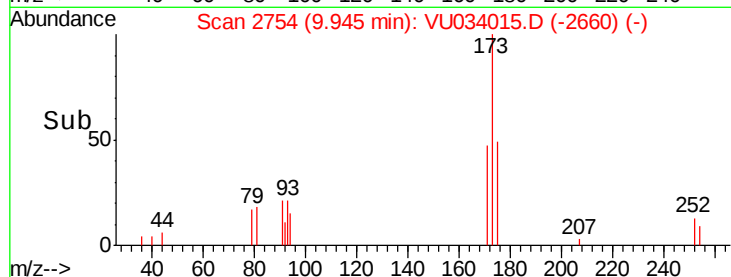
173 100

175 45.7 24.6 73.6

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: 11.47 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

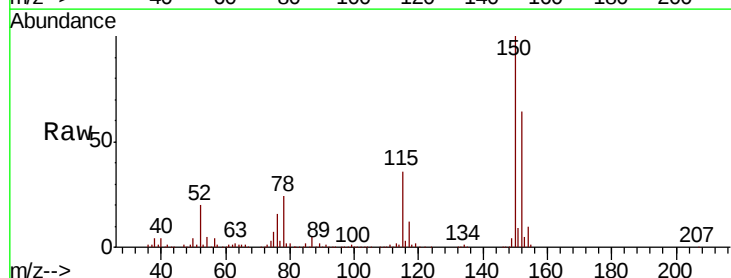
Tgt Ion:152 Resp: 277756

Ion Ratio Lower Upper

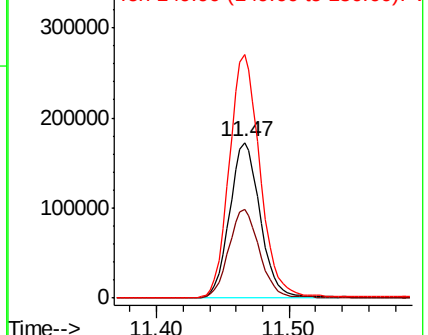
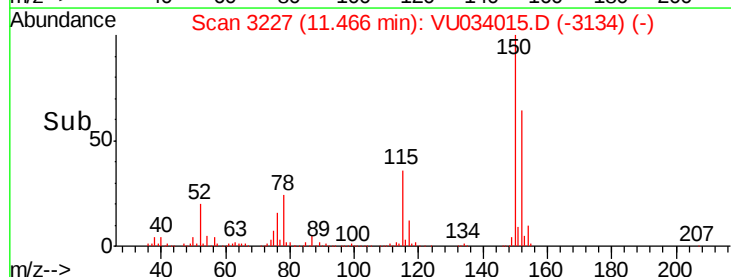
152 100

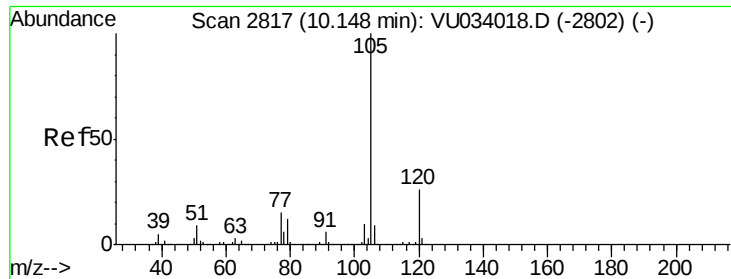
115 57.9 41.1 123.3

150 158.0 0.0 348.8



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: 0.871 ug/l

RT: 10.15 min Scan# 2818

Delta R.T. 0.00 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

ClientSampleId :

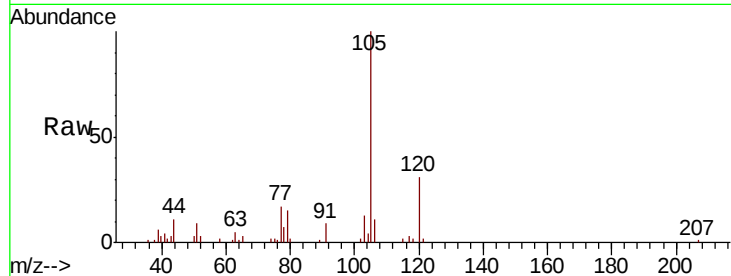
VSTDIC001

Tgt Ion:105 Resp: 15970

Ion Ratio Lower Upper

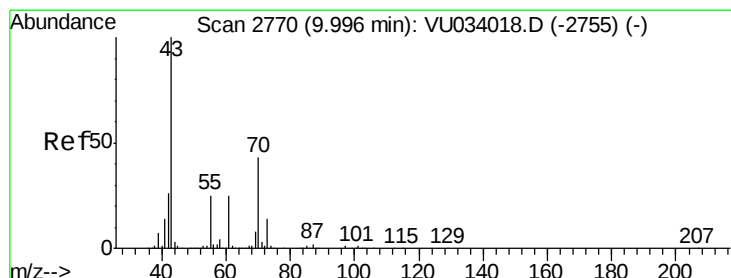
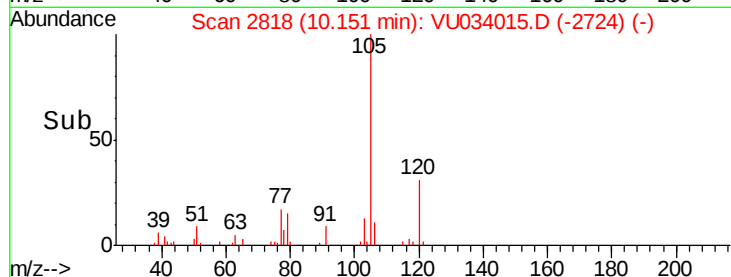
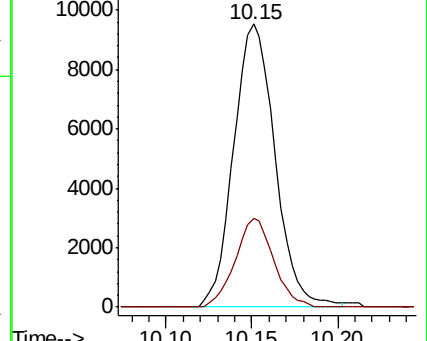
105 100

120 28.9 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.838 ug/l

RT: 10.01 min Scan# 2773

Delta R.T. 0.01 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Tgt Ion: 43 Resp: 5907

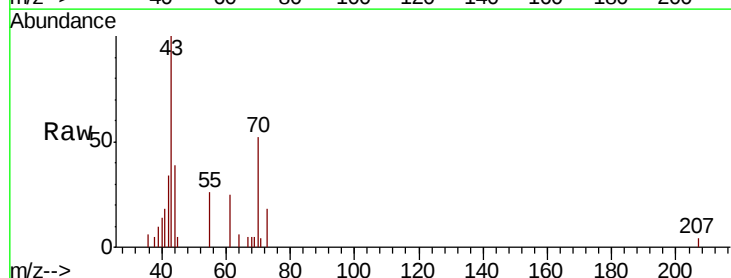
Ion Ratio Lower Upper

43 100

70 38.8 35.2 52.8

55 24.4 20.5 30.7

61 23.1 20.0 30.0

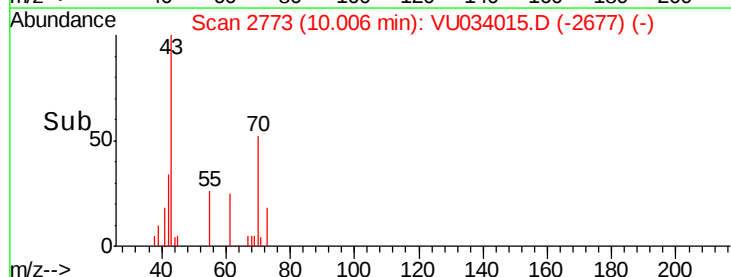
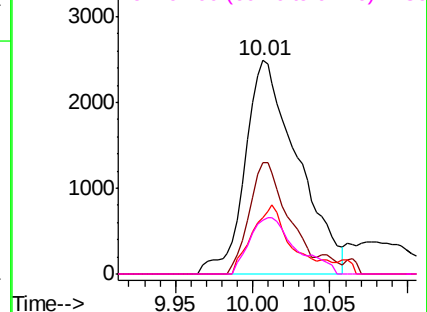


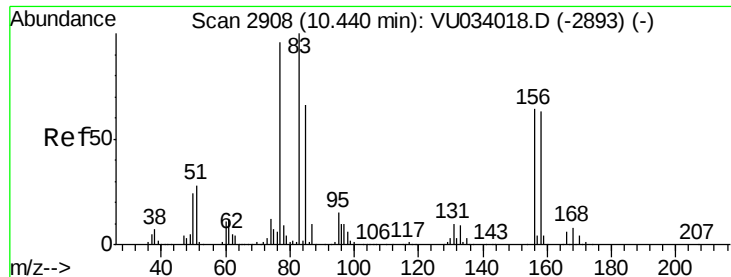
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 1.128 ug/l

RT: 10.44 min Scan# 2909

Delta R.T. 0.00 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

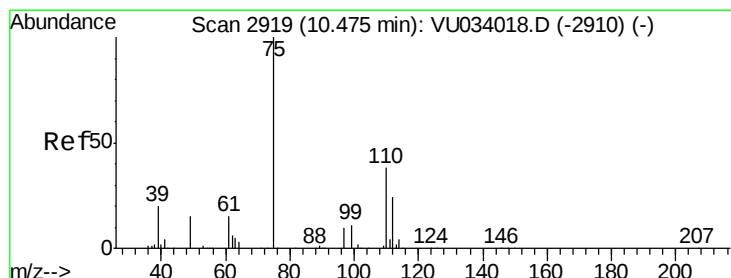
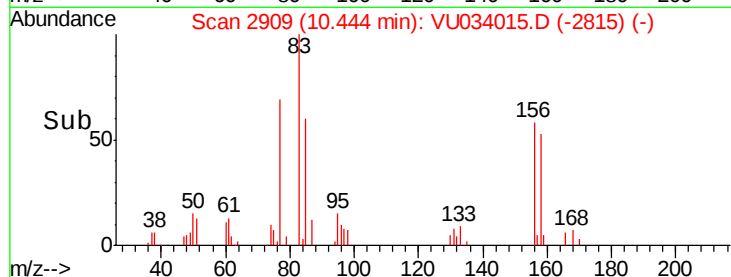
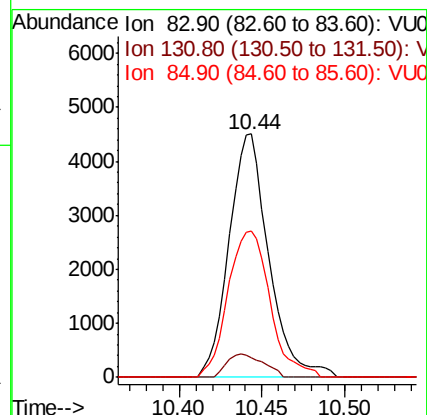
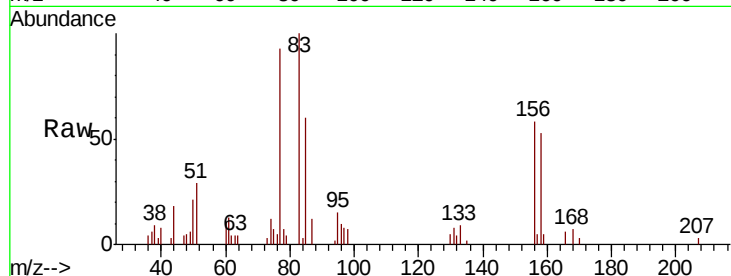
Tgt Ion: 83 Resp: 7516

Ion Ratio Lower Upper

83 100

131 8.8 5.0 14.9

85 63.3 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 0.338 ug/l

RT: 10.21 min Scan# 2836

Delta R.T. -0.27 min

Lab File: VU034015.D

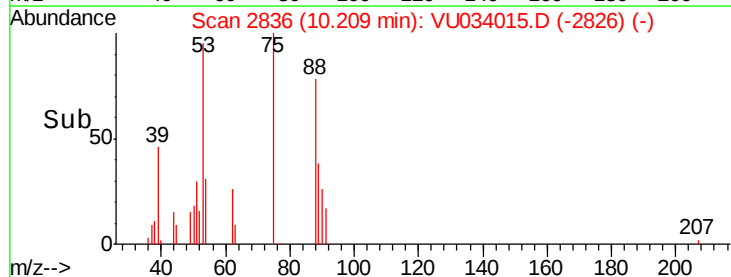
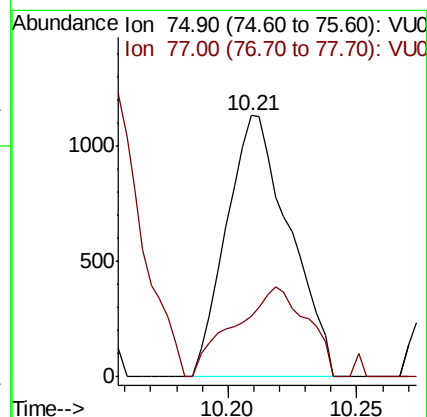
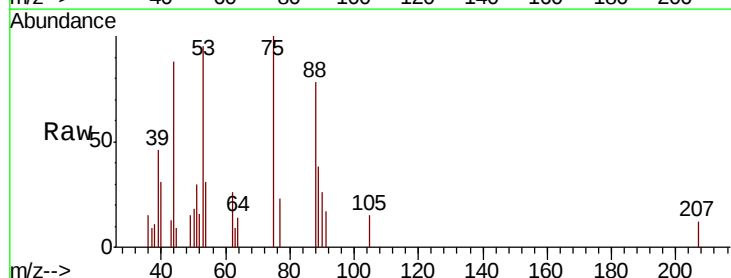
Acq: 28 Aug 2019 11:37

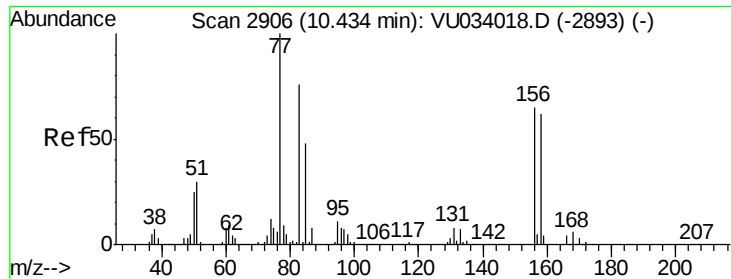
Tgt Ion: 75 Resp: 1933

Ion Ratio Lower Upper

75 100

77 39.5 20.1 60.2





#77

Bromobenzene

Concen: 0.974 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.01 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

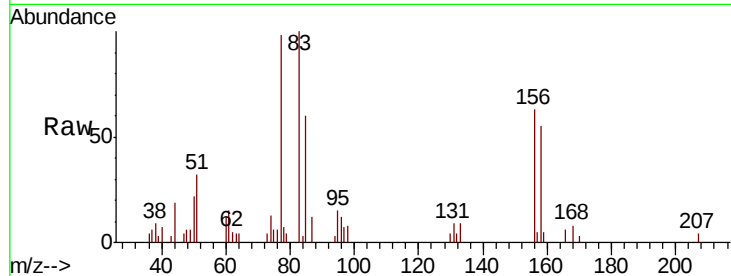
Tgt Ion:156 Resp: 5002

Ion Ratio Lower Upper

156 100

77 150.3 76.8 230.5

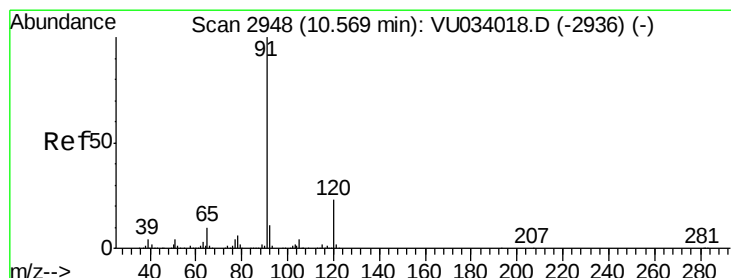
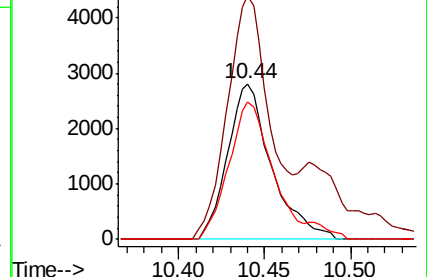
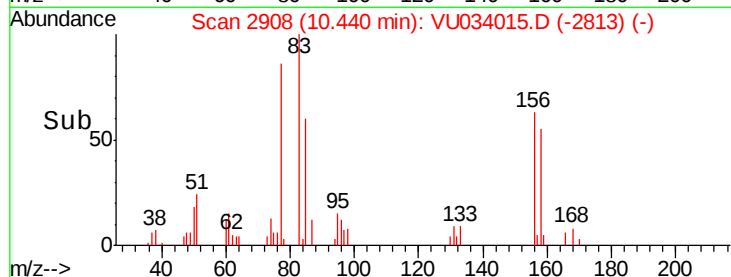
158 92.3 48.4 145.0



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: 0.917 ug/l

RT: 10.57 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU034015.D

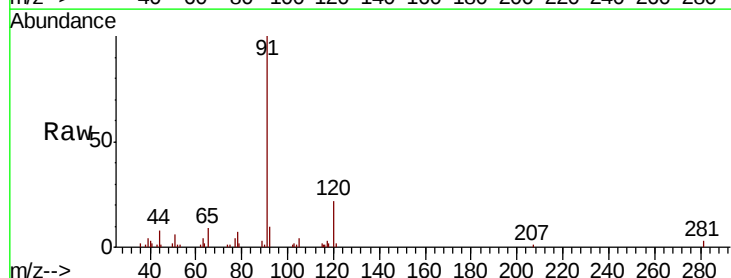
Acq: 28 Aug 2019 11:37

Tgt Ion: 91 Resp: 19149

Ion Ratio Lower Upper

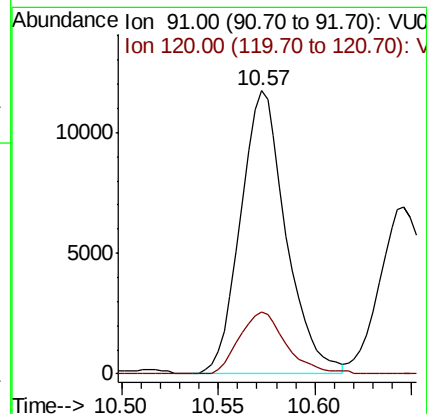
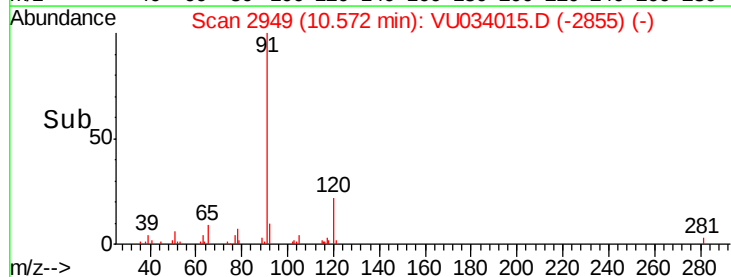
91 100

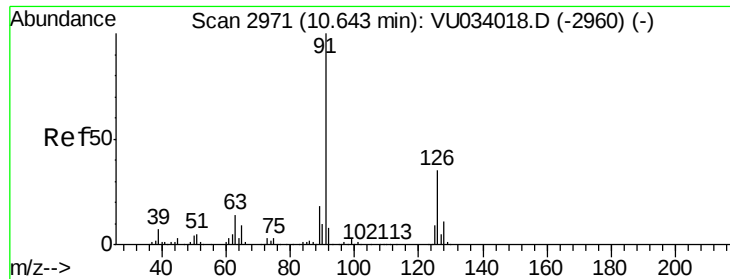
120 22.4 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

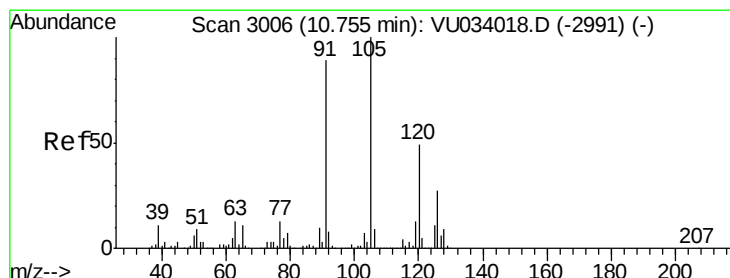
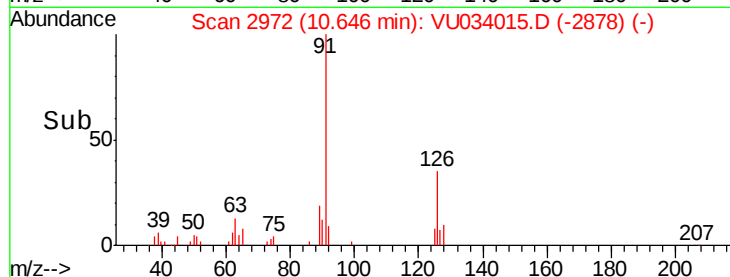
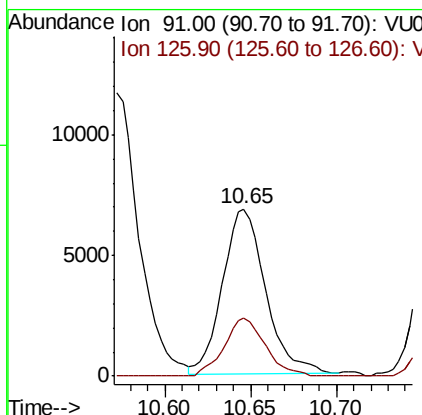
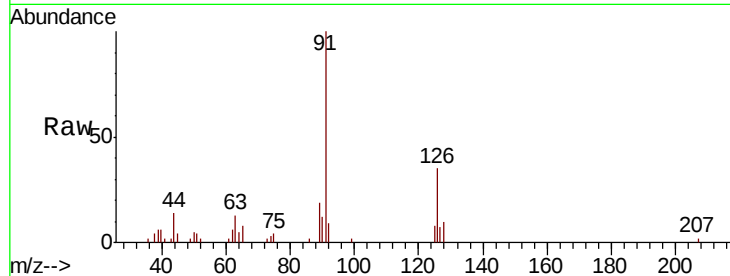




#79
 2-Chlorotoluene
 Concen: 0.944 ug/l
 RT: 10.65 min Scan# 2972
 Delta R.T. 0.00 min
 Lab File: VU034015.D
 Acq: 28 Aug 2019 11:37

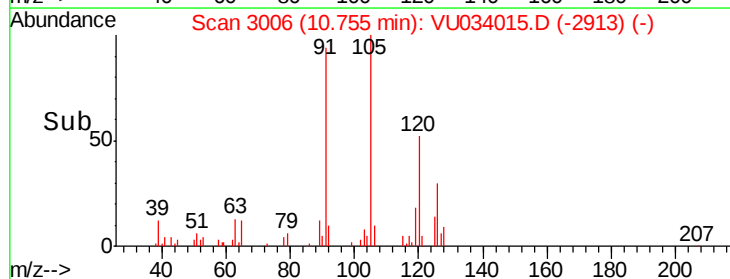
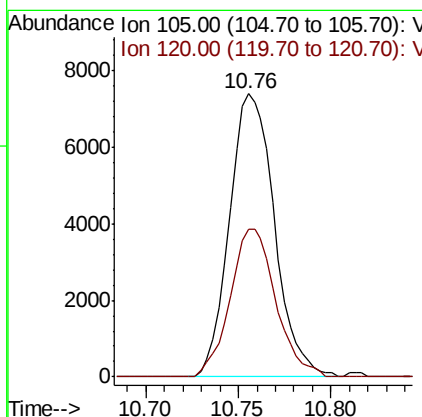
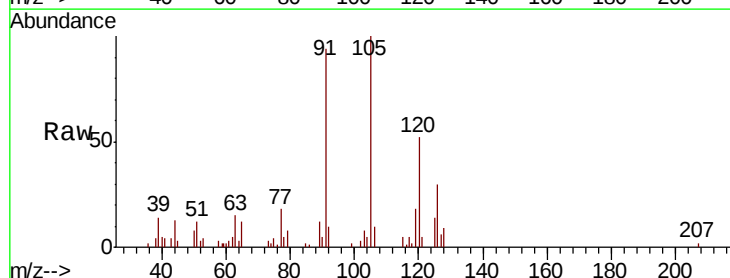
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

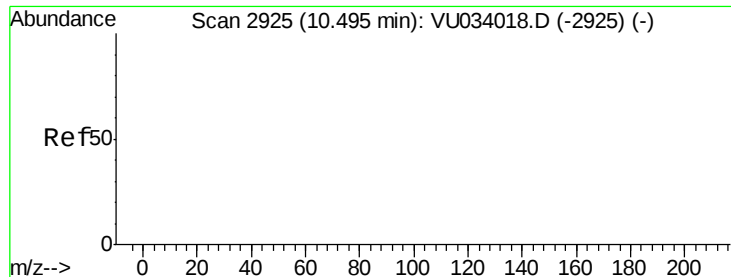
Tgt Ion: 91 Resp: 11906
 Ion Ratio Lower Upper
 91 100
 126 33.7 17.1 51.2



#80
 1,3,5-Trimethylbenzene
 Concen: 0.794 ug/l
 RT: 10.76 min Scan# 3006
 Delta R.T. 0.00 min
 Lab File: VU034015.D
 Acq: 28 Aug 2019 11:37

Tgt Ion: 105 Resp: 12455
 Ion Ratio Lower Upper
 105 100
 120 52.9 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 4.123 ug/l

RT: 10.48 min Scan# 2920

Delta R.T. -0.02 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

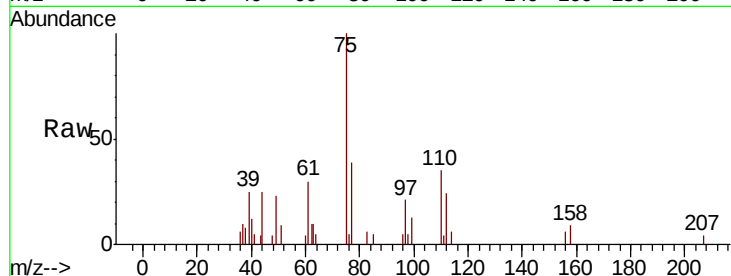
Tgt Ion: 75 Resp: 7920

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

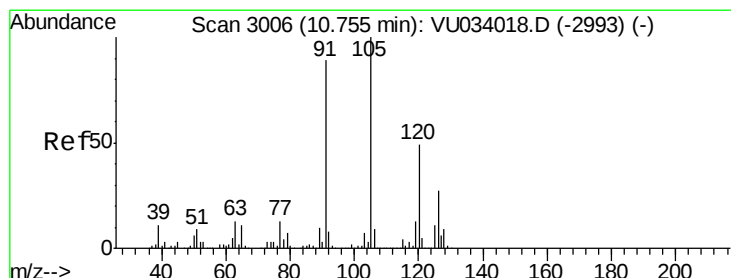
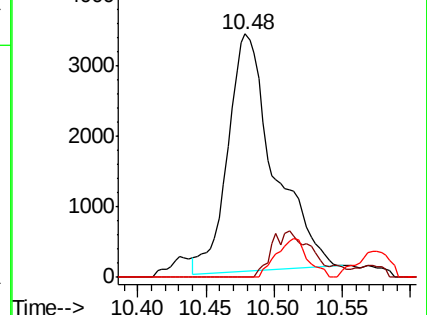
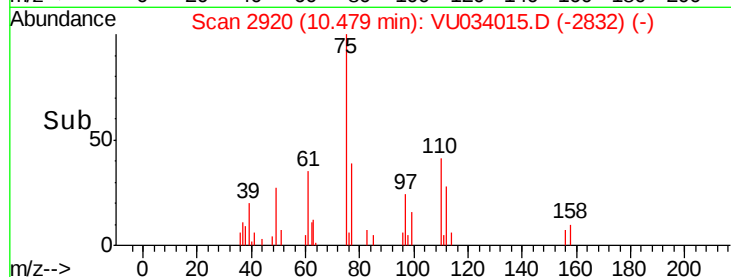
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU034015.D (-2925) (-)

Ion 53.00 (52.70 to 53.70): VU034015.D (-2925) (-)

Ion 88.90 (88.60 to 89.60): VU034015.D (-2925) (-)



#82

4-Chlorotoluene

Concen: 0.938 ug/l

RT: 10.76 min Scan# 3008

Delta R.T. 0.01 min

Lab File: VU034015.D

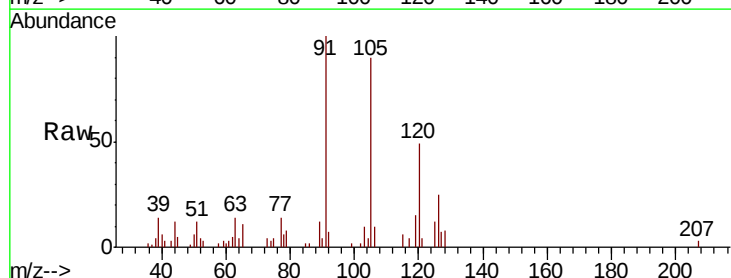
Acq: 28 Aug 2019 11:37

Tgt Ion: 91 Resp: 13648

Ion Ratio Lower Upper

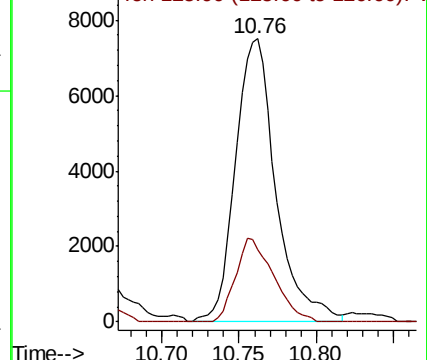
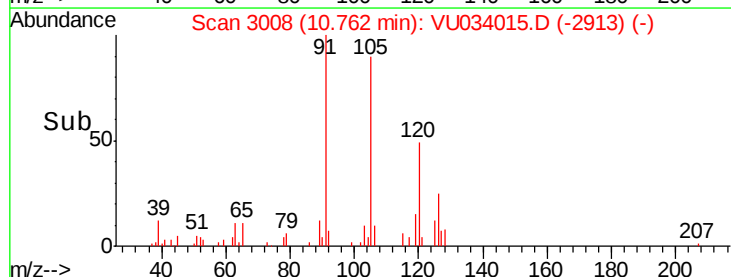
91 100

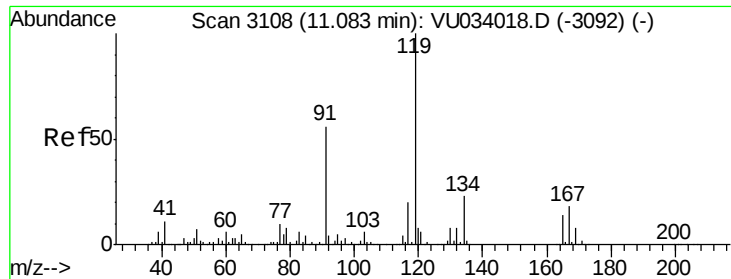
126 27.6 15.0 45.1



Abundance Ion 91.00 (90.70 to 91.70): VU034015.D (-2993) (-)

Ion 125.90 (125.60 to 126.60): VU034015.D (-2993) (-)

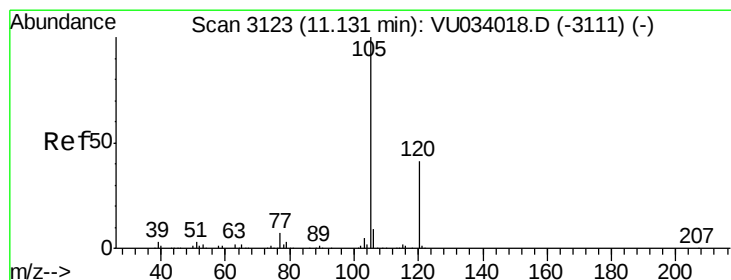
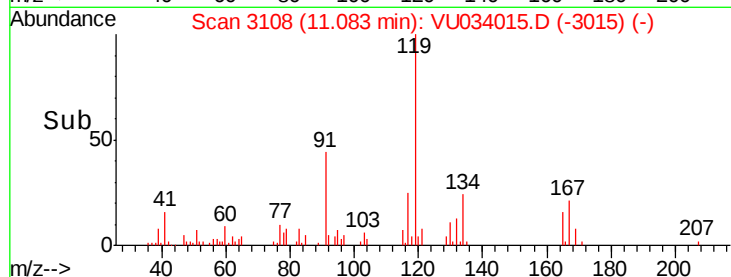
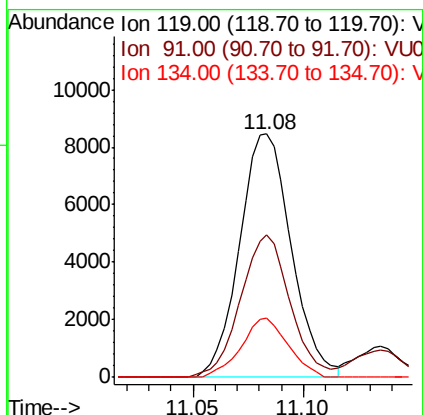
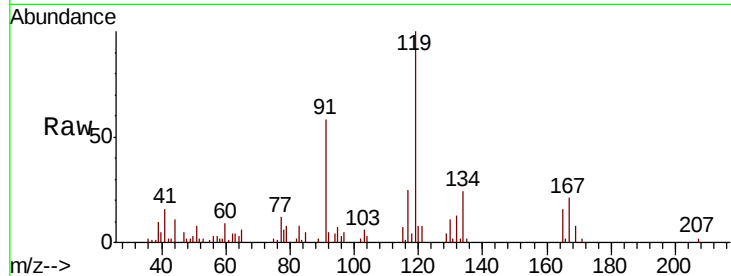




#83
 tert-Butylbenzene
 Concen: 0.901 ug/l
 RT: 11.08 min Scan# 3108
 Delta R.T. 0.00 min
 Lab File: VU034015.D
 Acq: 28 Aug 2019 11:37

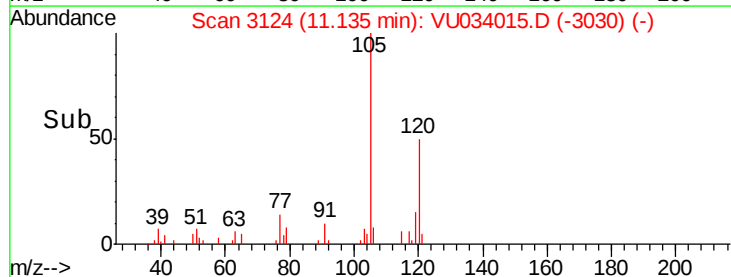
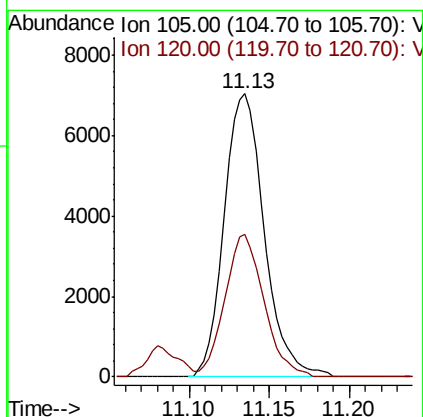
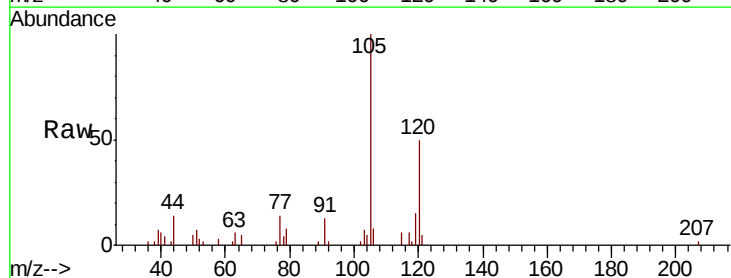
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

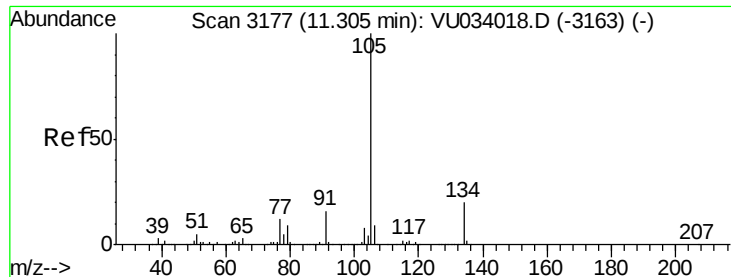
Tgt Ion:119 Resp: 13760
 Ion Ratio Lower Upper
 119 100
 91 55.9 27.9 83.6
 134 21.8 11.4 34.2



#84
 1,2,4-Trimethylbenzene
 Concen: 0.779 ug/l
 RT: 11.13 min Scan# 3124
 Delta R.T. 0.00 min
 Lab File: VU034015.D
 Acq: 28 Aug 2019 11:37

Tgt Ion:105 Resp: 12022
 Ion Ratio Lower Upper
 105 100
 120 48.9 22.6 67.8

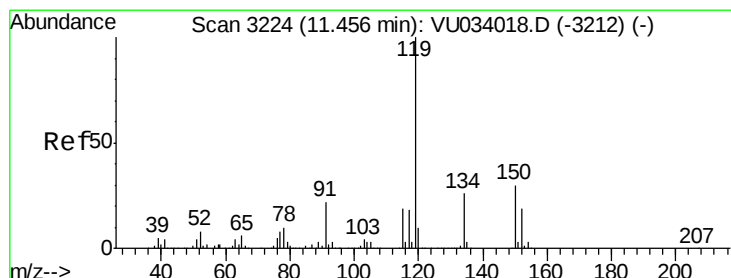
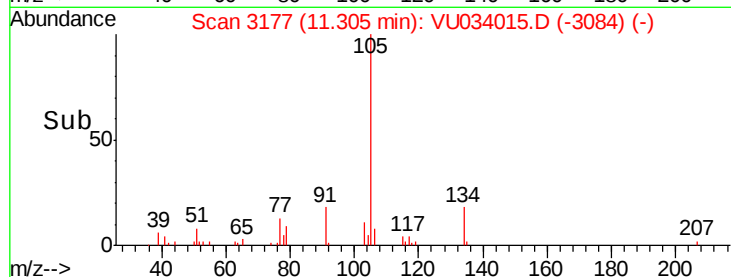
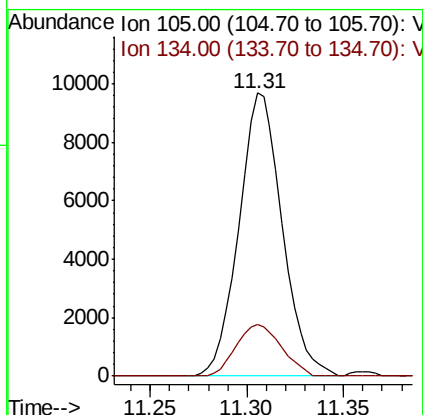
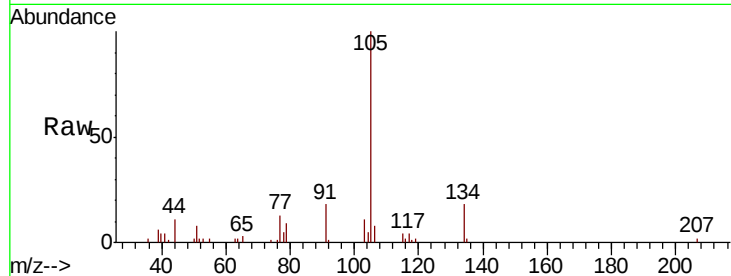




#85
 sec-Butylbenzene
 Concen: 0.829 ug/l
 RT: 11.31 min Scan# 3177
 Delta R.T. 0.00 min
 Lab File: VU034015.D
 Acq: 28 Aug 2019 11:37

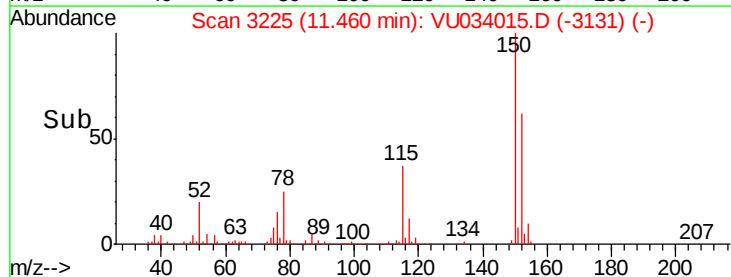
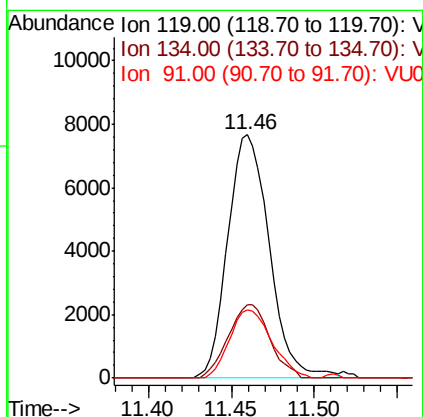
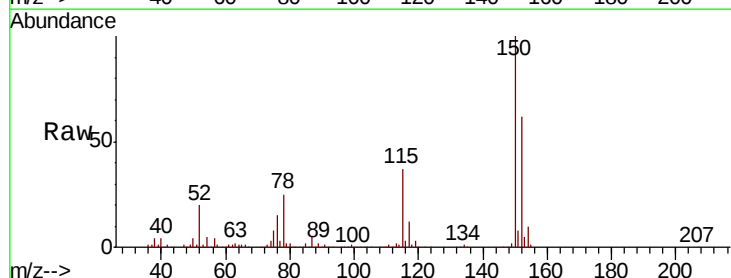
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

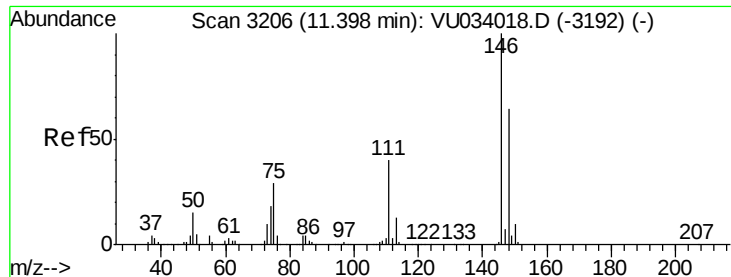
Tgt Ion:105 Resp: 15095
 Ion Ratio Lower Upper
 105 100
 134 19.0 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 0.789 ug/l
 RT: 11.46 min Scan# 3225
 Delta R.T. 0.00 min
 Lab File: VU034015.D
 Acq: 28 Aug 2019 11:37

Tgt Ion:119 Resp: 13380
 Ion Ratio Lower Upper
 119 100
 134 29.9 13.1 39.1
 91 28.3 11.2 33.6





#87

1,3-Dichlorobenzene

Concen: 0.927 ug/l

RT: 11.40 min Scan# 3208

Delta R.T. 0.01 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

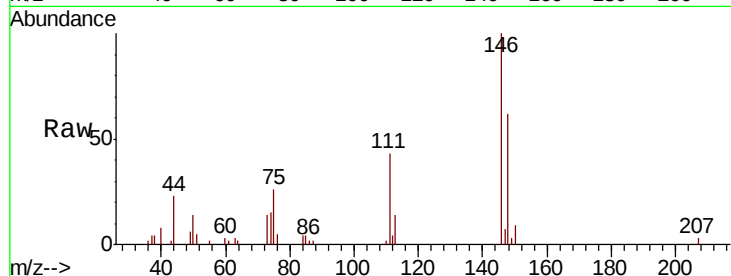
Tgt Ion:146 Resp: 8429

Ion Ratio Lower Upper

146 100

111 41.3 19.9 59.6

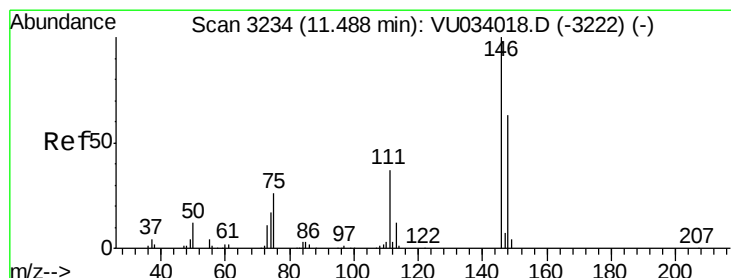
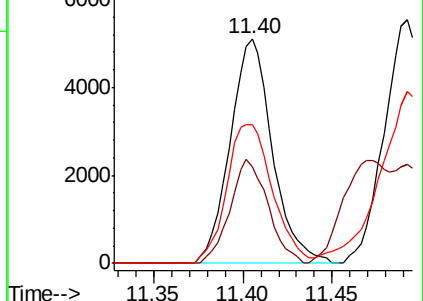
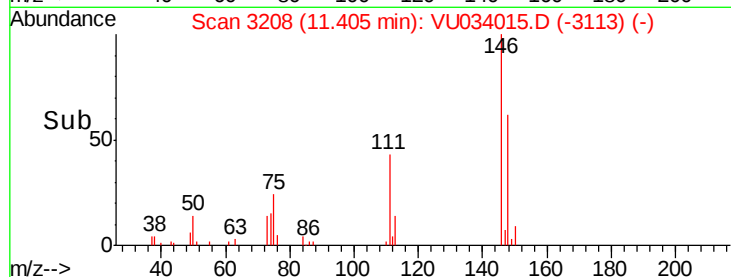
148 67.2 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 0.919 ug/l

RT: 11.40 min Scan# 3208

Delta R.T. -0.08 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

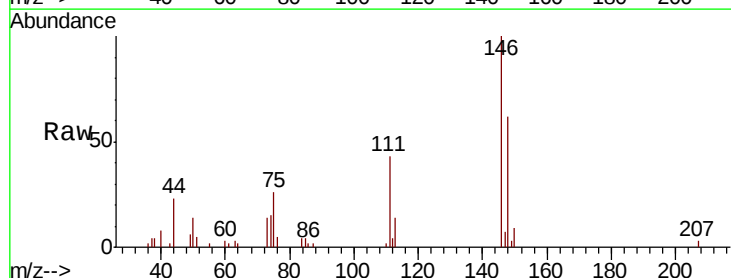
Tgt Ion:146 Resp: 8429

Ion Ratio Lower Upper

146 100

111 41.3 19.2 57.6

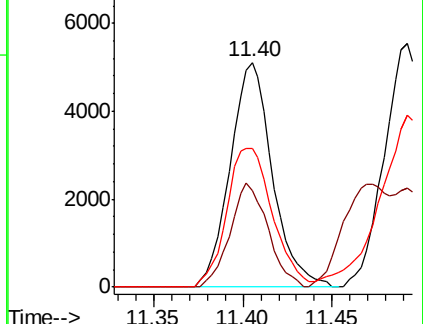
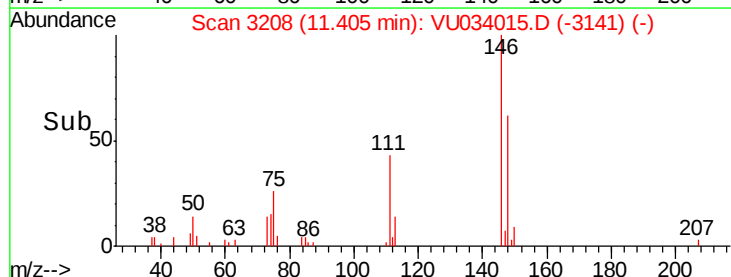
148 67.2 31.9 95.9

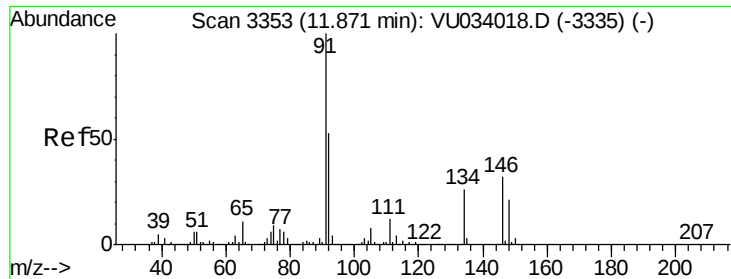


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

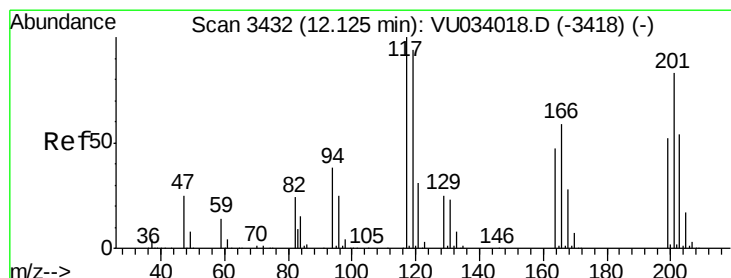
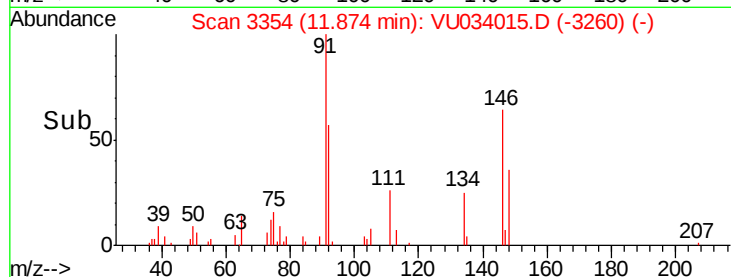
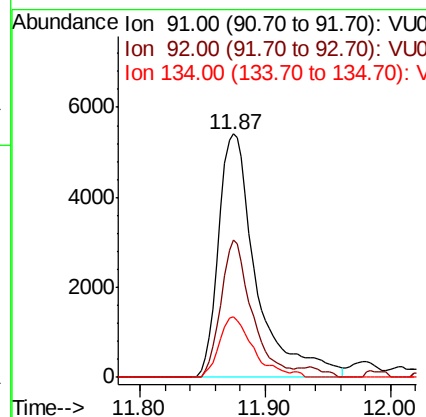
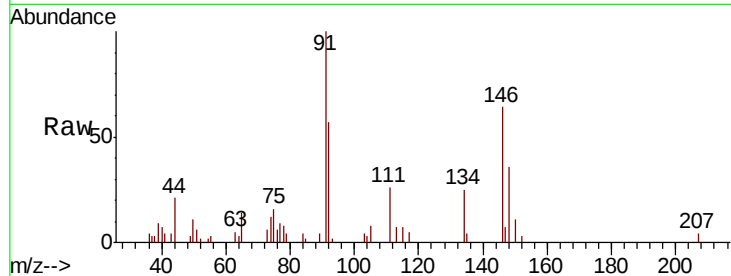




#89
n-Butylbenzene
Concen: 0.792 ug/l
RT: 11.87 min Scan# 3354
Delta R.T. 0.00 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

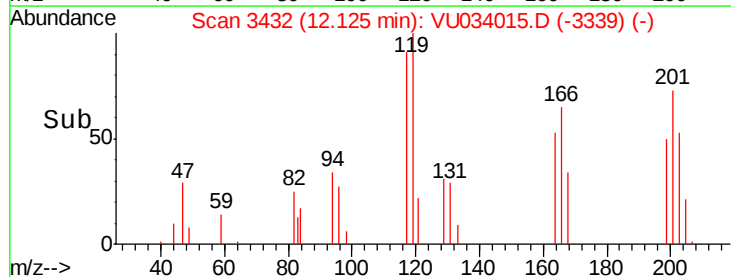
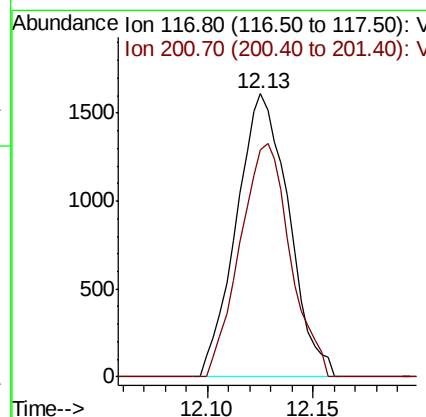
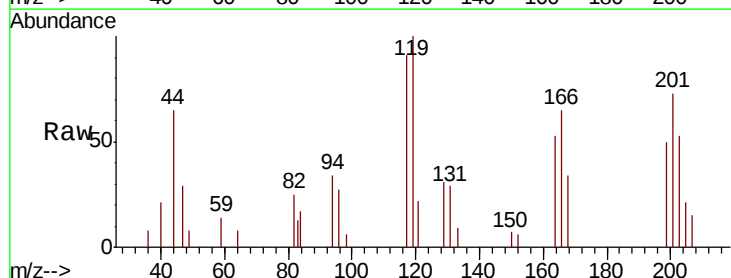
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

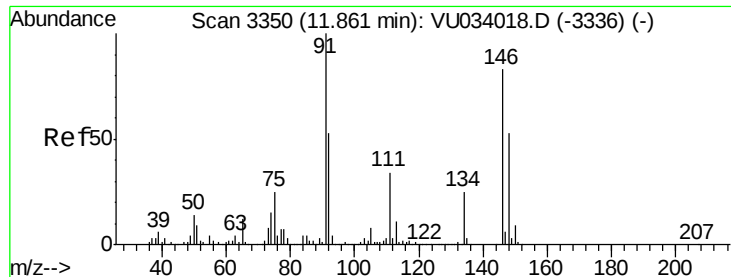
Tgt Ion: 91 Resp: 11341
Ion Ratio Lower Upper
91 100
92 45.9 26.3 78.9
134 22.0 12.9 38.7



#90
Hexachloroethane
Concen: 0.984 ug/l
RT: 12.13 min Scan# 3432
Delta R.T. 0.00 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

Tgt Ion: 117 Resp: 2771
Ion Ratio Lower Upper
117 100
201 79.2 42.5 127.6





#91

1,2-Dichlorobenzene

Concen: 0.848 ug/l

RT: 11.87 min Scan# 3352

Delta R.T. 0.01 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

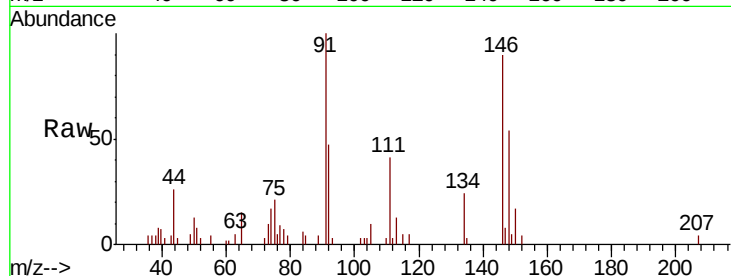
Tgt Ion:146 Resp: 7578

Ion Ratio Lower Upper

146 100

111 45.2 20.4 61.2

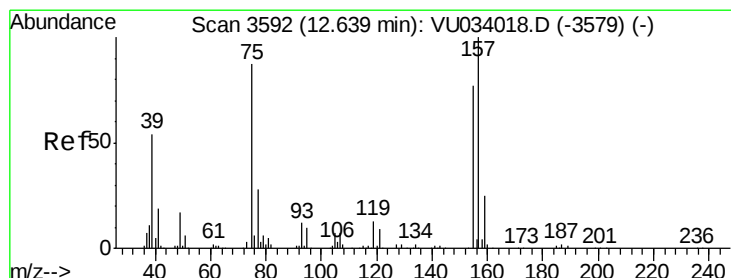
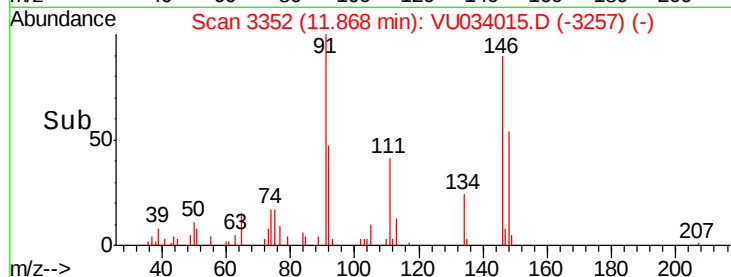
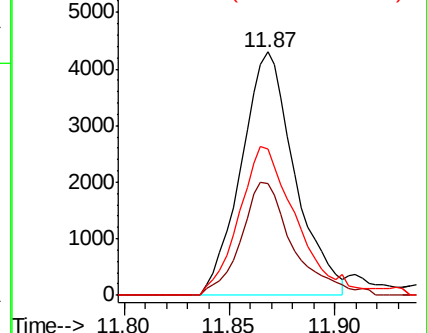
148 65.8 32.3 96.8



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: 0.935 ug/l

RT: 12.66 min Scan# 3597

Delta R.T. 0.02 min

Lab File: VU034015.D

Acq: 28 Aug 2019 11:37

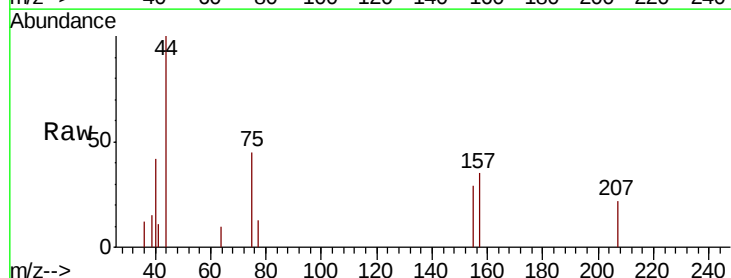
Tgt Ion: 75 Resp: 1235

Ion Ratio Lower Upper

75 100

155 71.1 43.5 130.7

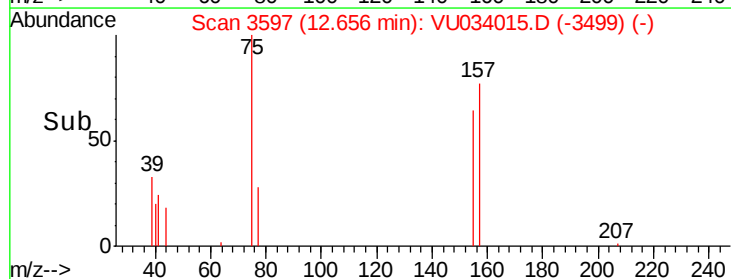
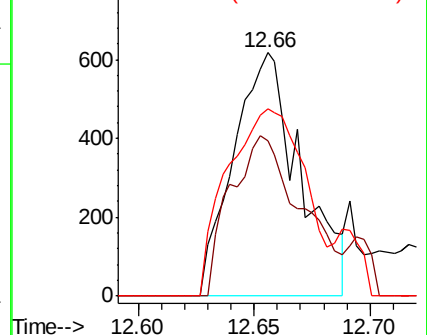
157 89.2 56.9 170.6

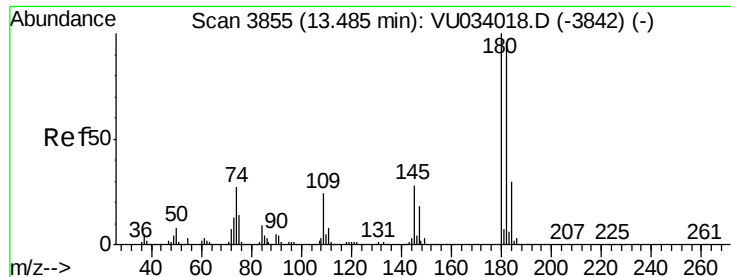


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

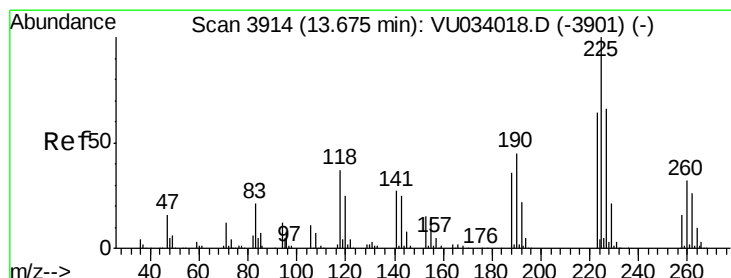
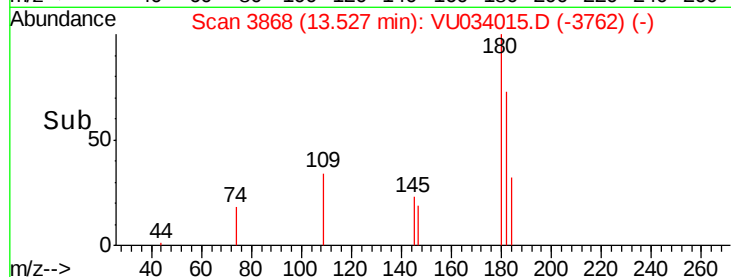
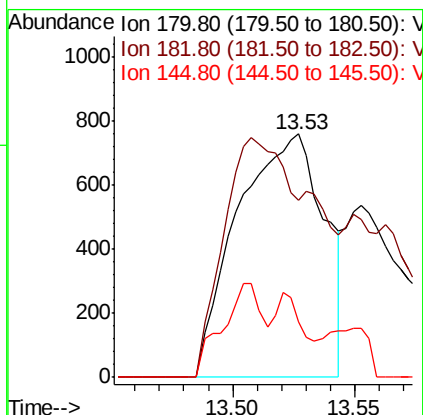
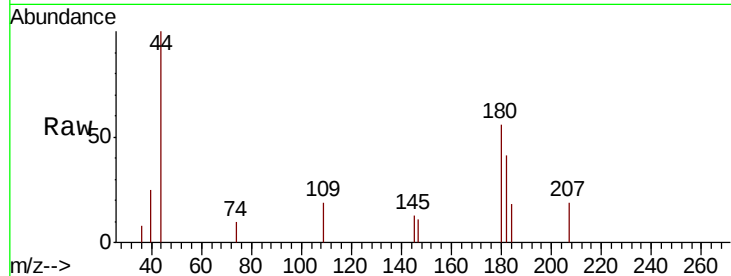




#93
 1,2,4-Trichlorobenzene
 Concen: 0.343 ug/l
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.04 min
 Lab File: VU034015.D
 Acq: 28 Aug 2019 11:37

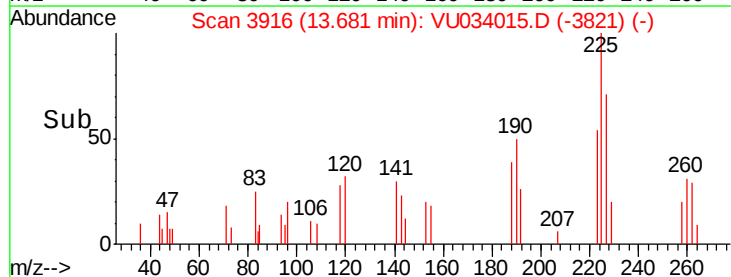
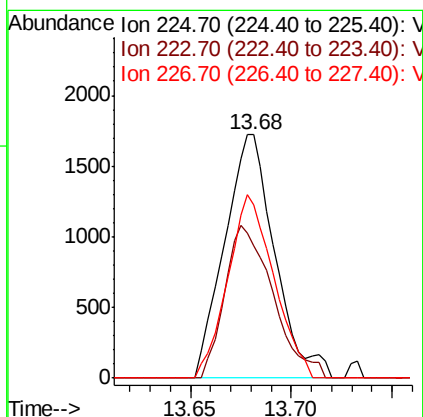
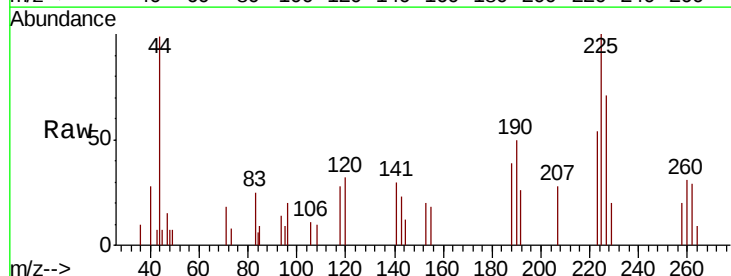
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

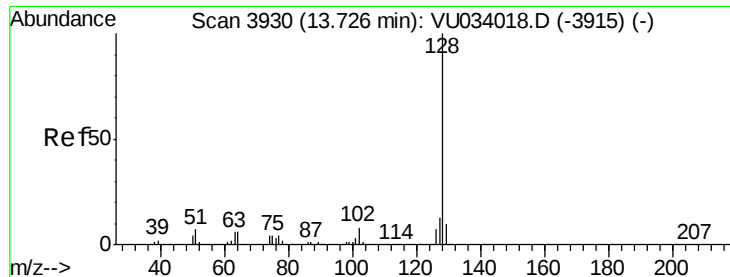
Tgt Ion:180 Resp: 1874
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.4 142.2#
 145 11.5 14.1 42.3#



#94
 Hexachlorobutadiene
 Concen: 0.823 ug/l
 RT: 13.68 min Scan# 3916
 Delta R.T. 0.01 min
 Lab File: VU034015.D
 Acq: 28 Aug 2019 11:37

Tgt Ion:225 Resp: 2986
 Ion Ratio Lower Upper
 225 100
 223 60.3 31.8 95.3
 227 69.3 32.6 97.8

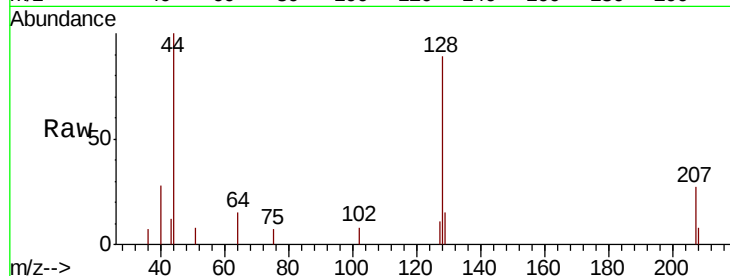




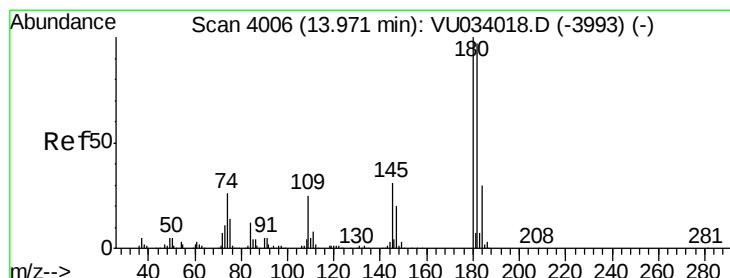
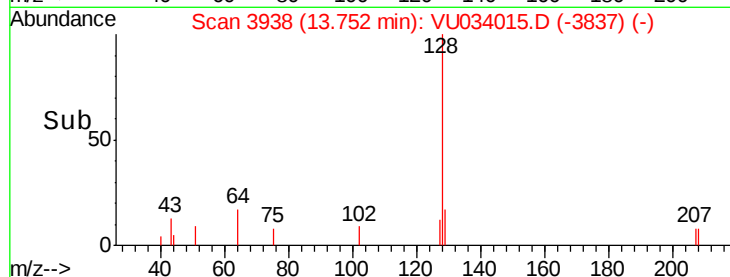
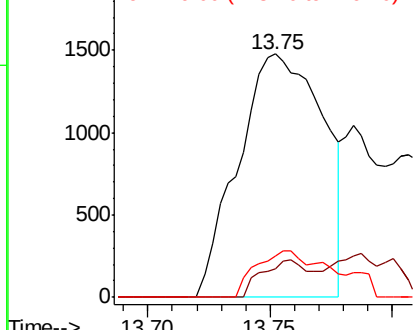
#95
Naphthalene
Concen: 0.246 ug/l
RT: 13.75 min Scan# 3938
Delta R.T. 0.03 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion:128 Resp: 3574
Ion Ratio Lower Upper
128 100
127 8.5 10.2 15.4#
129 15.4 8.4 12.6#

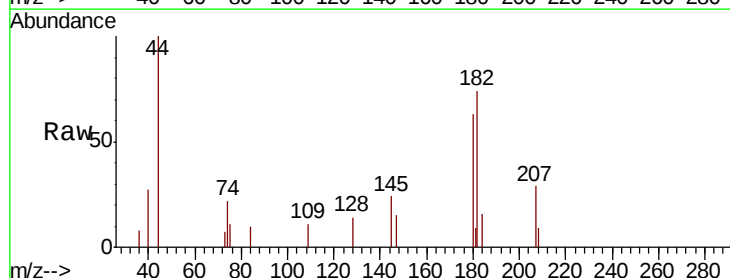


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 0.548 ug/l
RT: 13.98 min Scan# 4010
Delta R.T. 0.01 min
Lab File: VU034015.D
Acq: 28 Aug 2019 11:37

Tgt Ion:180 Resp: 3097
Ion Ratio Lower Upper
180 100
182 105.1 48.2 144.6
145 36.1 15.5 46.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

