

Data File : VU033983.D
Acq On : 27 Aug 2019 19:29
Operator : JC/SP
Sample : VU0828WBSD01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD01

Quant Time: Aug 28 04:05:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082819W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 28 02:42:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	329486	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	503170	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	477898	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	254318	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	181853	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
35) Dibromofluoromethane	4.86	113	164254	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
50) Toluene-d8	7.55	98	632756	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
62) 4-Bromofluorobenzene	10.29	95	225828	47.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	67976	20.512	ug/l	98
3) Chloromethane	1.32	50	74467	21.282	ug/l	99
4) Vinyl Chloride	1.40	62	66449	20.084	ug/l	99
5) Bromomethane	1.61	94	43242	21.504	ug/l	99
6) Chloroethane	1.69	64	37701	19.139	ug/l	95
7) Trichlorofluoromethane	1.87	101	86810	19.941	ug/l	99
8) Diethyl Ether	2.09	74	32181	19.489	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.27	101	55403	19.928	ug/l	97
10) Methyl Iodide	2.40	142	84346	20.258	ug/l	99
11) Tert butyl alcohol	2.81	59	90806	95.776	ug/l #	87
12) 1,1-Dichloroethene	2.27	96	56842	19.588	ug/l	96
13) Acrolein	2.18	56	27581	91.602	ug/l	96
14) Allyl chloride	2.58	41	89017	17.325	ug/l	92
15) Acrylonitrile	2.92	53	193241	100.822	ug/l	98
16) Acetone	2.31	43	149554	85.356	ug/l	100
17) Carbon Disulfide	2.46	76	181644	19.062	ug/l	99
18) Methyl Acetate	2.60	43	85033	19.704	ug/l	100
19) Methyl tert-butyl Ether	2.98	73	198268	20.339	ug/l	99
20) Methylene Chloride	2.68	84	70662	19.009	ug/l	97
21) trans-1,2-Dichloroethene	2.96	96	66690	20.157	ug/l	97
22) Diisopropyl ether	3.55	45	192089	20.348	ug/l	100
23) Vinyl Acetate	3.50	43	817007	101.871	ug/l	100
24) 1,1-Dichloroethane	3.42	63	117660	19.907	ug/l	99
25) 2-Butanone	4.24	43	242469	96.541	ug/l	100
26) 2,2-Dichloropropane	4.20	77	91701	18.349	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	75675	20.433	ug/l	96
28) Bromochloromethane	4.52	49	55968	20.581	ug/l	97
29) Tetrahydrofuran	4.61	42	155692	99.109	ug/l	98
30) Chloroform	4.65	83	120209	19.862	ug/l	97
31) Cyclohexane	4.97	56	106273	19.690	ug/l	96
32) 1,1,1-Trichloroethane	4.89	97	102717	20.160	ug/l	99
36) 1,1-Dichloropropene	5.11	75	87046	18.888	ug/l	99
37) Ethyl Acetate	4.36	43	88043	19.047	ug/l	98
38) Carbon Tetrachloride	5.11	117	92171	19.625	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	103295	18.942	ug/l	97
40) Benzene	5.37	78	267605	19.530	ug/l	99
41) Methacrylonitrile	4.52	41	48120	20.090	ug/l	99
42) 1,2-Dichloroethane	5.38	62	89850	19.391	ug/l	100
43) Isopropyl Acetate	5.53	43	137321	19.375	ug/l	100
44) Trichloroethene	6.17	130	75391	19.297	ug/l	97
45) 1,2-Dichloropropane	6.41	63	70984	19.364	ug/l	92
46) Dibromomethane	6.54	93	48325	19.384	ug/l	99
47) Bromodichloromethane	6.74	83	92941	19.573	ug/l	98
48) Methyl methacrylate	6.60	41	64982	19.284	ug/l	99
49) 1,4-Dioxane	6.59	88	37400	404.408	ug/l #	98
51) 4-Methyl-2-Pentanone	7.44	43	470996	96.384	ug/l	99
52) Toluene	7.62	92	174437	20.189	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	99436	18.936	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	111277	19.604	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	69351	18.996	ug/l	99
56) Ethyl methacrylate	8.00	69	102909	19.496	ug/l	99
57) 1,3-Dichloropropane	8.22	76	116517	19.584	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	178005	93.982	ug/l	98
59) 2-Hexanone	8.34	43	358747	95.511	ug/l	100
60) Dibromochloromethane	8.46	129	80125	19.517	ug/l	99
61) 1,2-Dibromoethane	8.57	107	76252	19.777	ug/l	99
64) Tetrachloroethene	8.21	164	77832	20.256	ug/l	98
65) Chlorobenzene	9.10	112	195508	19.867	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	71649	19.528	ug/l	99
67) Ethyl Benzene	9.23	91	323090	19.691	ug/l	100
68) m/p-Xylenes	9.36	106	254328	40.191	ug/l	100
69) o-Xylene	9.76	106	124297	20.546	ug/l	99
70) Styrene	9.77	104	211104	20.388	ug/l	99
71) Bromoform	9.94	173	64225	19.775	ug/l #	99
73) Isopropylbenzene	10.15	105	330432	20.188	ug/l	99
74) N-amyl acetate	10.00	43	120952	19.686	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	114165	19.366	ug/l	98
76) 1,2,3-Trichloropropane	10.48	75	126302	24.925	ug/l	84
77) Bromobenzene	10.43	156	89757	19.406	ug/l	98
78) n-propylbenzene	10.57	91	370499	19.960	ug/l	100
79) 2-Chlorotoluene	10.64	91	227709	20.330	ug/l	99
80) 1,3,5-Trimethylbenzene	10.76	105	288897	20.609	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.48	75	127163	71.878	ug/l #	100
82) 4-Chlorotoluene	10.76	91	257924	19.892	ug/l	99
83) tert-Butylbenzene	11.08	119	273353	20.088	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	284319	20.659	ug/l	100
85) sec-Butylbenzene	11.31	105	323376	19.911	ug/l	99
86) p-Isopropyltoluene	11.46	119	308096	20.268	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	158860	19.361	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	159399	19.248	ug/l	99
89) n-Butylbenzene	11.87	91	246578	19.408	ug/l	98
90) Hexachloroethane	12.13	117	47807	19.014	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	157408	19.489	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	23460	19.867	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU082819\
Quantitation Report (Not Reviewed)

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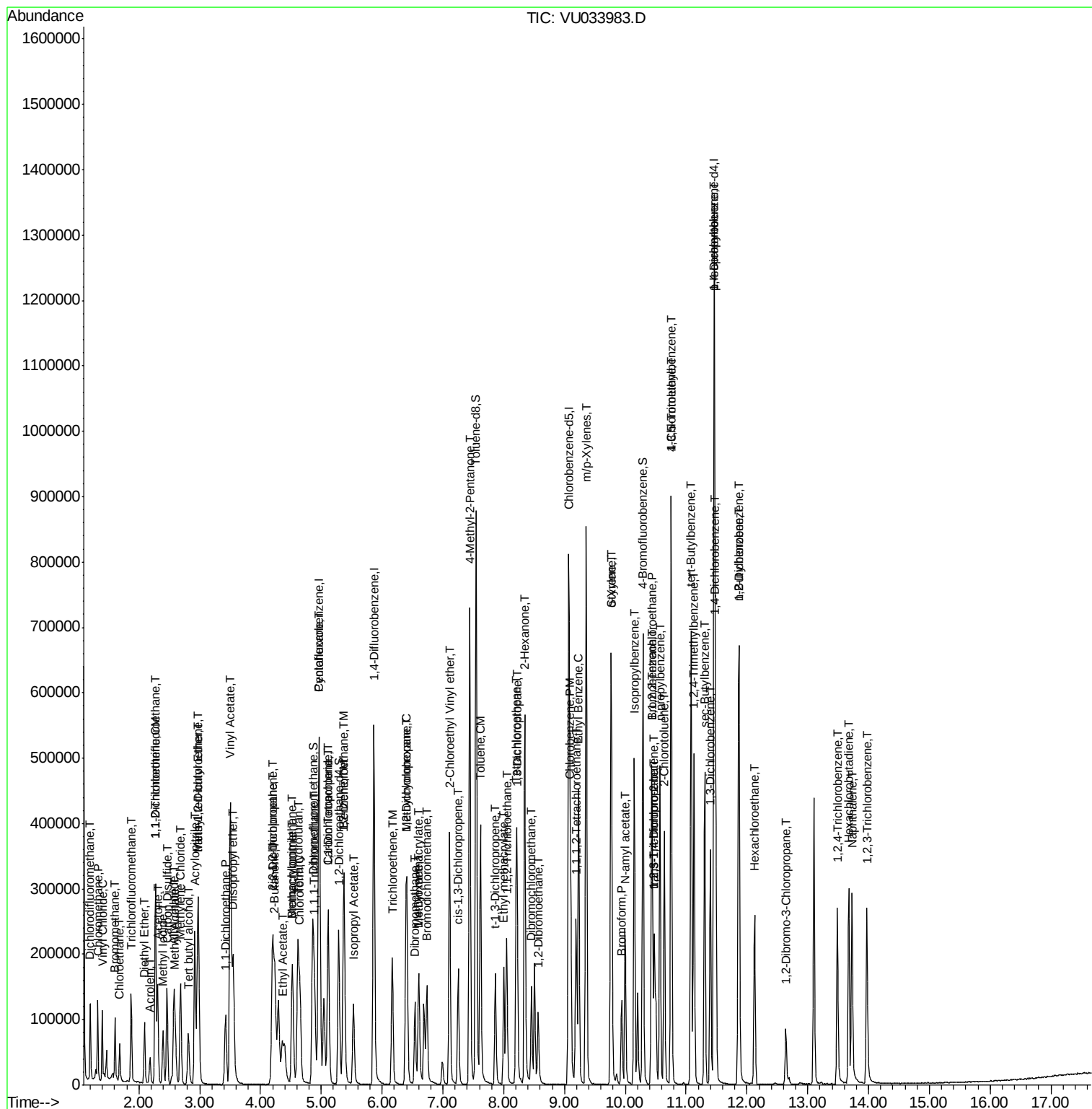
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	97485	18.304	ug/l	97
94) Hexachlorobutadiene	13.67	225	63112	19.060	ug/l	98
95) Naphthalene	13.73	128	265027	18.262	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	101383	19.644	ug/l	98

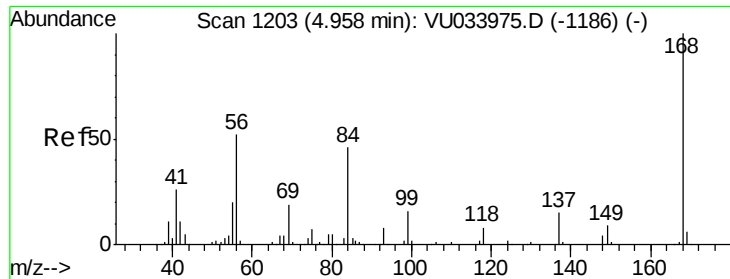
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

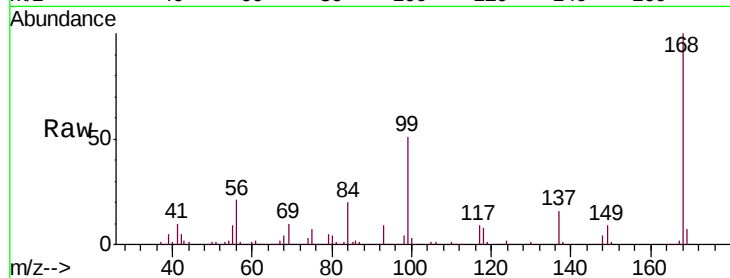
VU0828WBSD01

Tgt Ion:168 Resp: 329486

Ion Ratio Lower Upper

168 100

99 50.5 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): VU033975.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU033975.D (-1186) (-)

150000

100000

50000

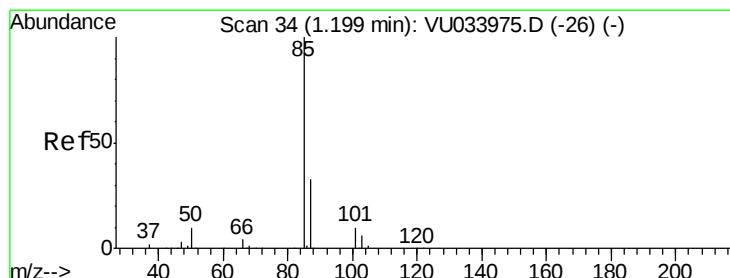
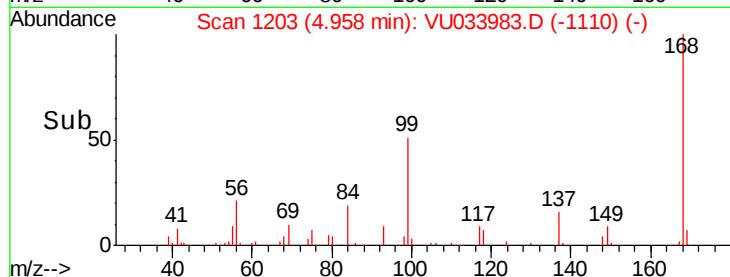
0

4.96

4.90

5.00

Time-->



#2

Dichlorodifluoromethane

Concen: 20.512 ug/l

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU033983.D

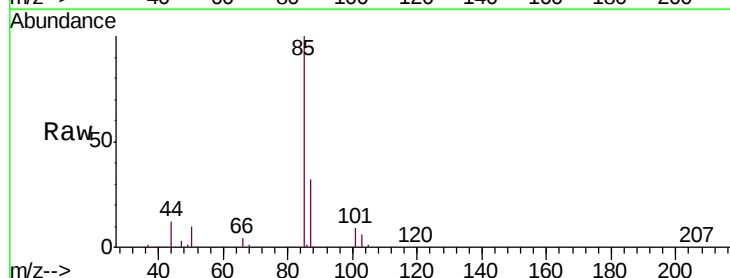
Acq: 27 Aug 2019 19:29

Tgt Ion: 85 Resp: 67976

Ion Ratio Lower Upper

85 100

87 31.7 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VU033975.D (-26) (-)

Ion 86.90 (86.60 to 87.60): VU033975.D (-26) (-)

80000

60000

40000

20000

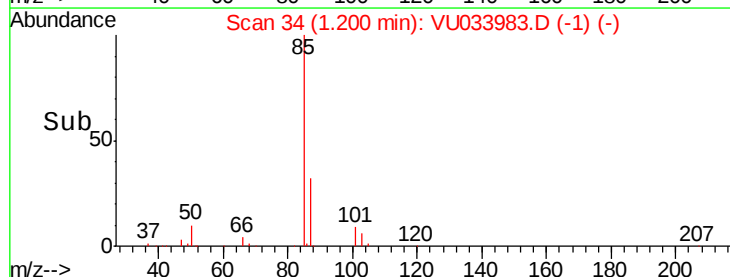
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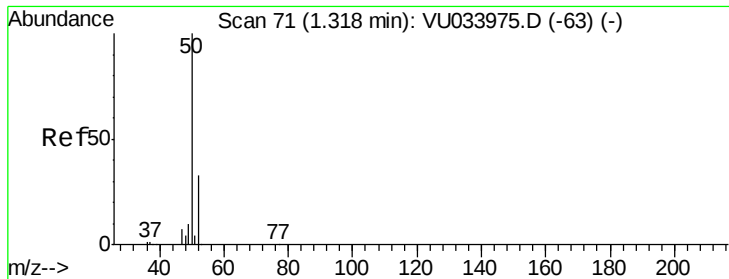
1.20

1.15

1.25

Time-->





#3

Chloromethane

Concen: 21.282 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

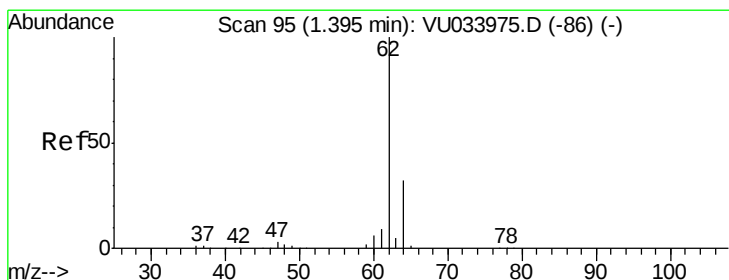
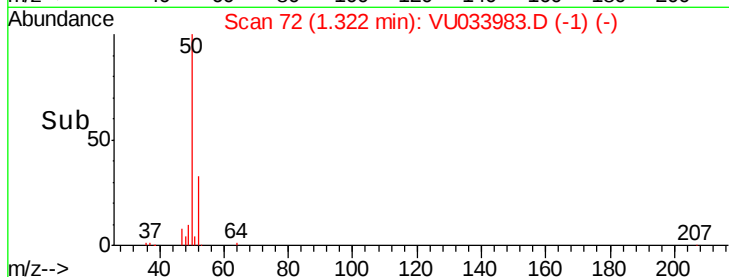
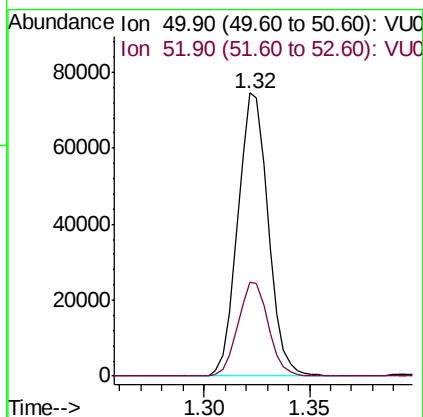
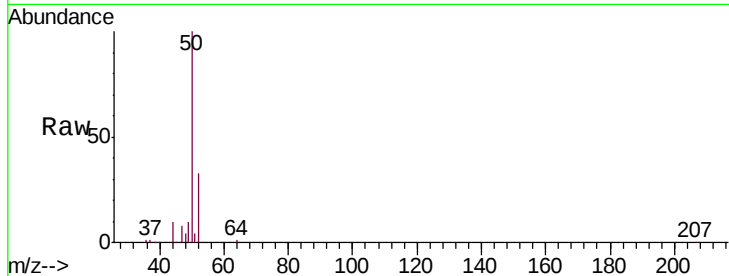
VU0828WBSD01

Tgt Ion: 50 Resp: 74467

Ion Ratio Lower Upper

50 100

52 33.4 26.2 39.2



#4

Vinyl Chloride

Concen: 20.084 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU033983.D

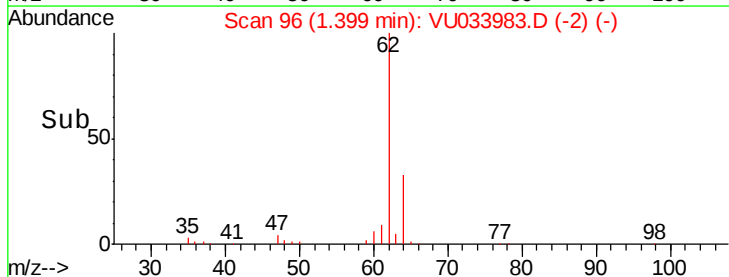
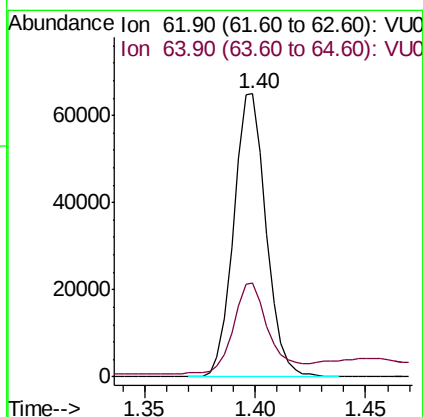
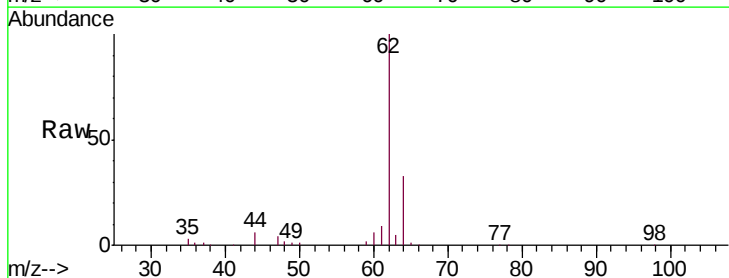
Acq: 27 Aug 2019 19:29

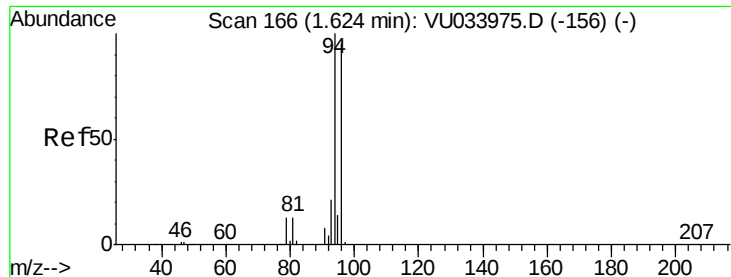
Tgt Ion: 62 Resp: 66449

Ion Ratio Lower Upper

62 100

64 31.8 25.9 38.9





#5

Bromomethane

Concen: 21.504 ug/l

RT: 1.61 min Scan# 161

Delta R.T. -0.02 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

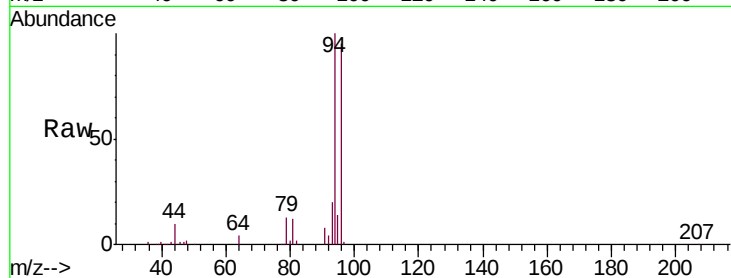
VU0828WBSD01

Tgt Ion: 94 Resp: 43242

Ion Ratio Lower Upper

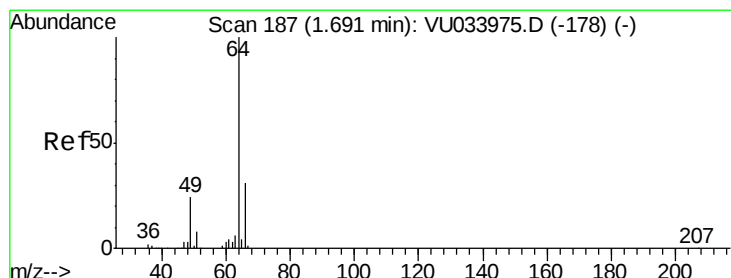
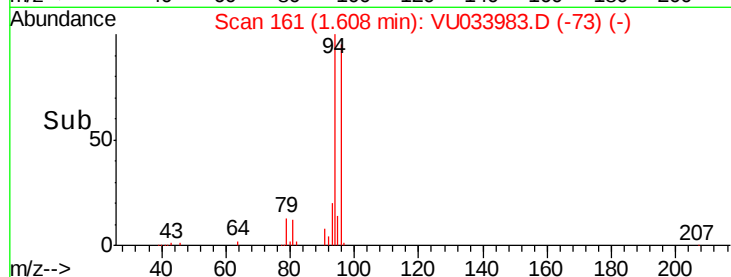
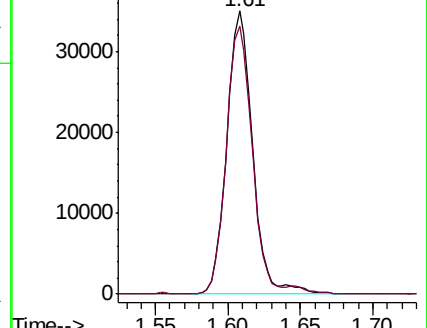
94 100

96 94.6 76.3 114.5



Abundance Ion 93.90 (93.60 to 94.60): VU033975.D (-156) (-)

Ion 95.90 (95.60 to 96.60): VU033983.D (-94) (-)



#6

Chloroethane

Concen: 19.139 ug/l

RT: 1.69 min Scan# 185

Delta R.T. -0.01 min

Lab File: VU033983.D

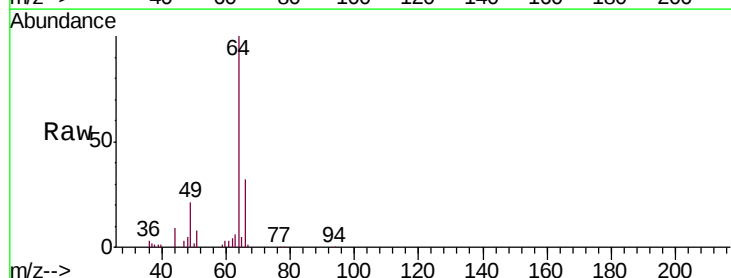
Acq: 27 Aug 2019 19:29

Tgt Ion: 64 Resp: 37701

Ion Ratio Lower Upper

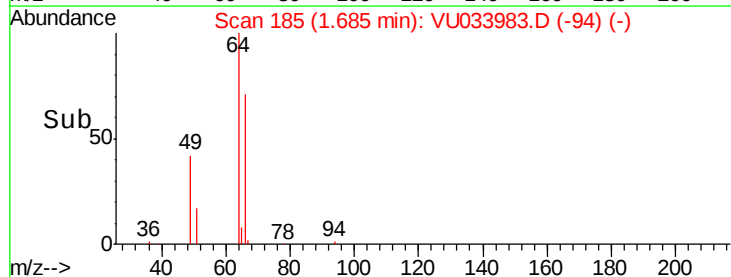
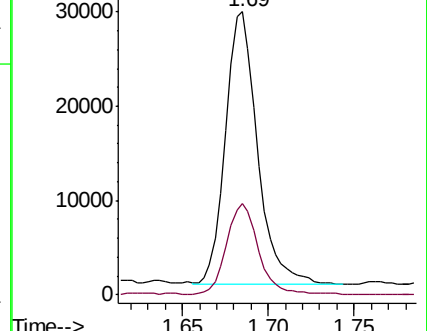
64 100

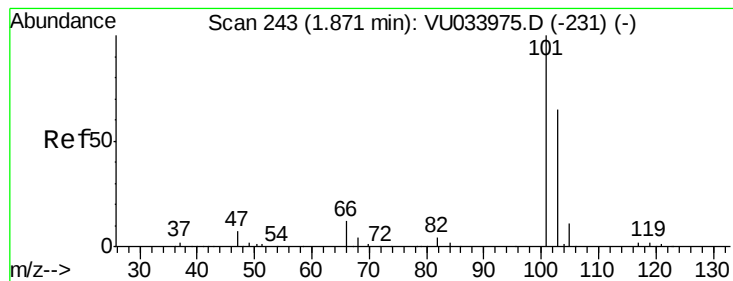
66 33.7 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VU033975.D (-178) (-)

Ion 65.90 (65.60 to 66.60): VU033983.D (-94) (-)



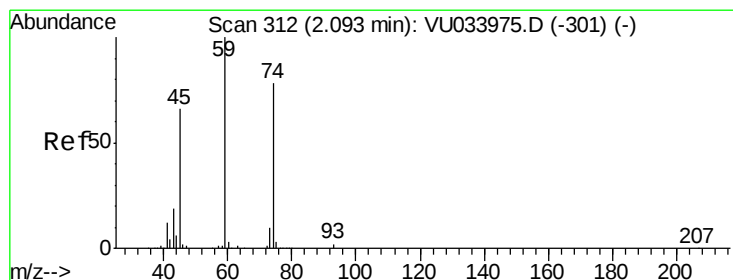
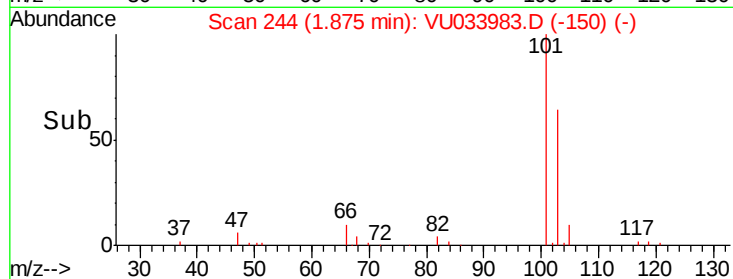
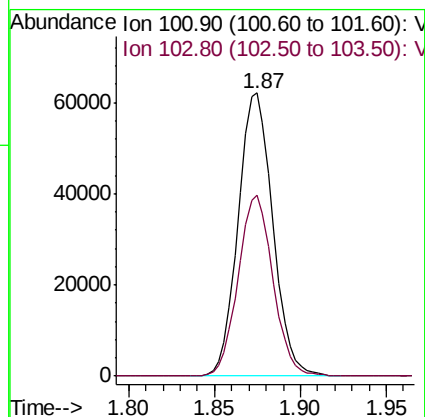
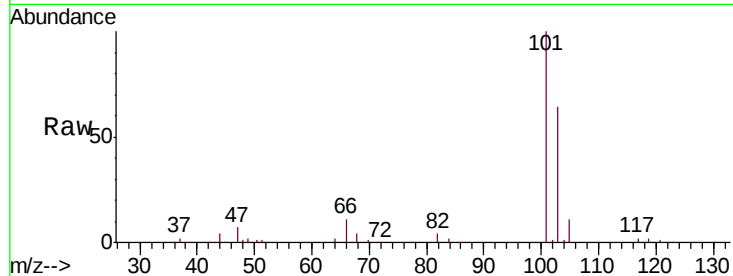


#7

Trichlorofluoromethane
 Concen: 19.941 ug/l
 RT: 1.87 min Scan# 244
 Delta R.T. 0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

Instrument :
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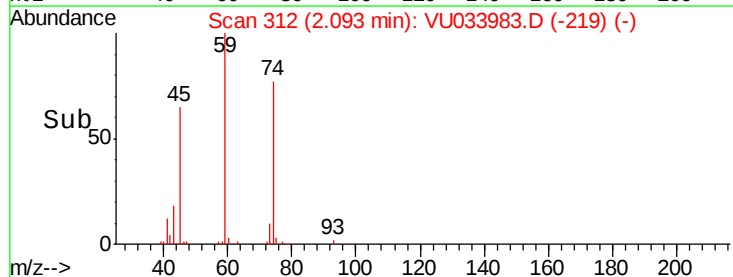
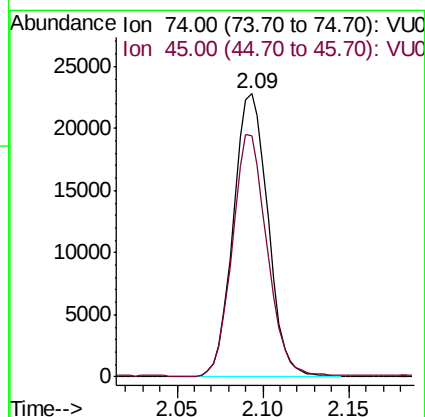
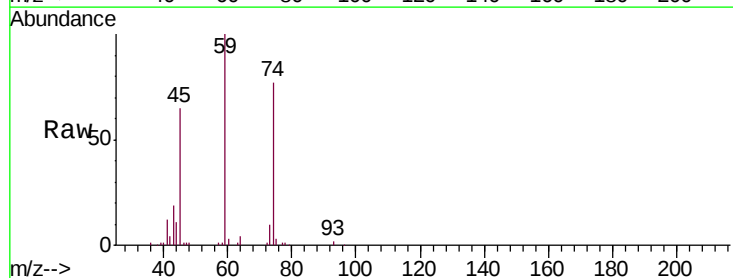
Tgt Ion:101 Resp: 86810
 Ion Ratio Lower Upper
 101 100
 103 63.8 52.0 78.0

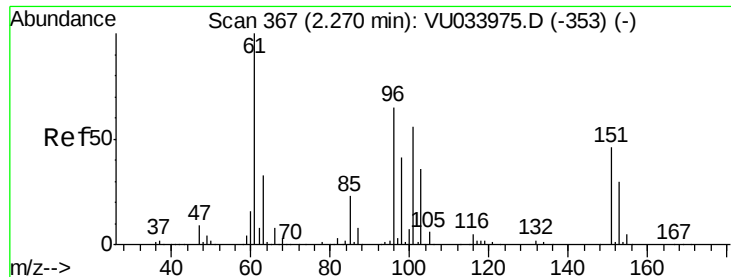


#8

Diethyl Ether
 Concen: 19.489 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

Tgt Ion: 74 Resp: 32181
 Ion Ratio Lower Upper
 74 100
 45 86.0 42.8 128.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.928 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

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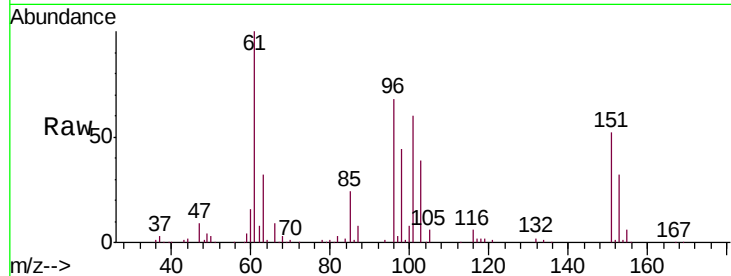
Tgt Ion:101 Resp: 55403

Ion Ratio Lower Upper

101 100

85 39.7 33.4 50.0

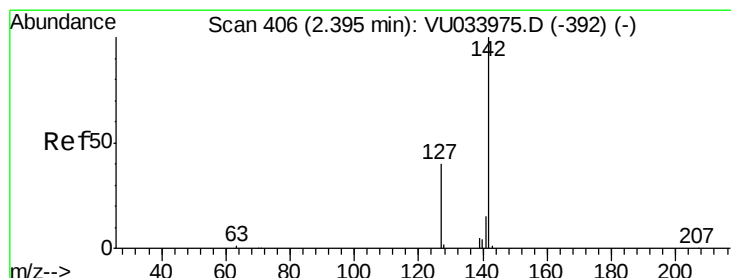
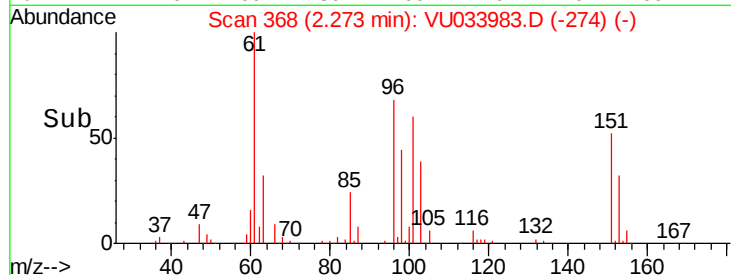
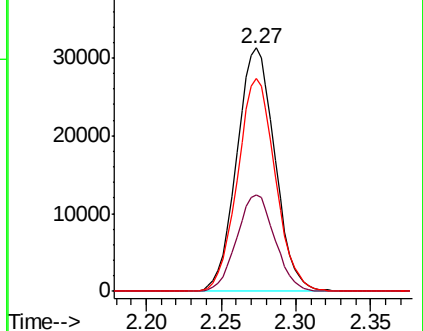
151 86.8 67.6 101.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.258 ug/l

RT: 2.40 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

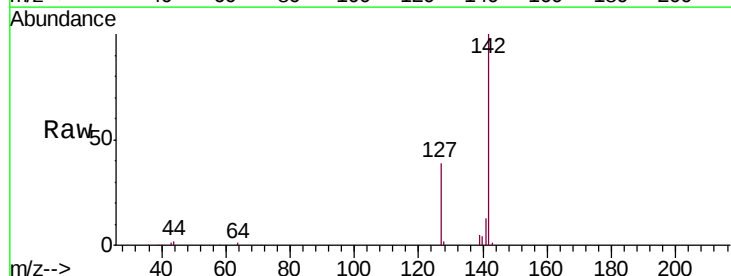
Tgt Ion:142 Resp: 84346

Ion Ratio Lower Upper

142 100

127 40.8 32.2 48.2

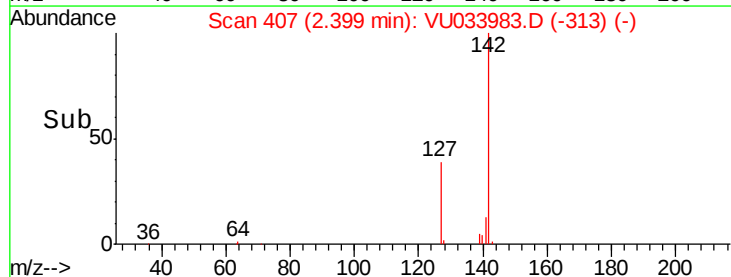
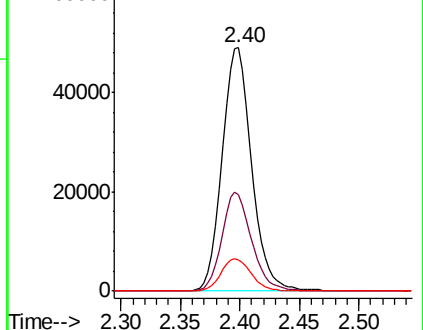
141 13.7 11.8 17.8

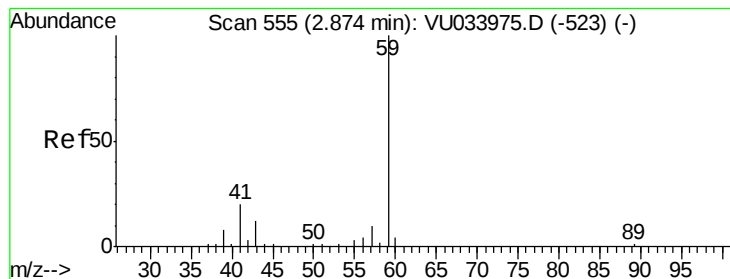


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



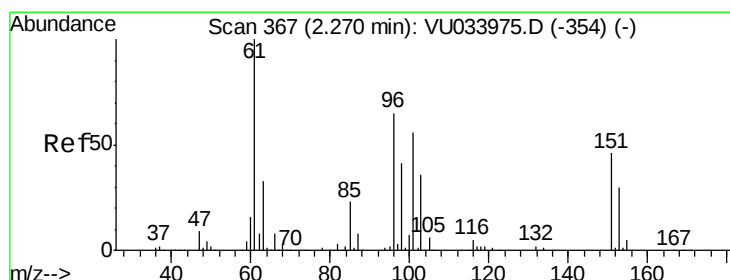
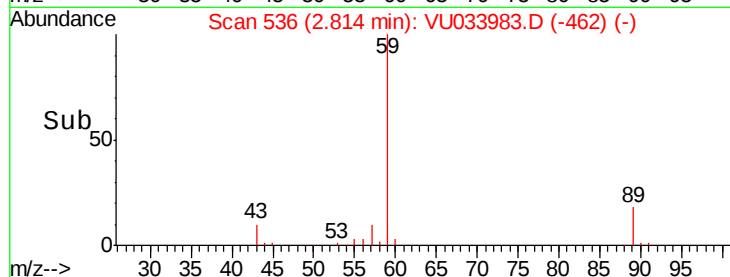
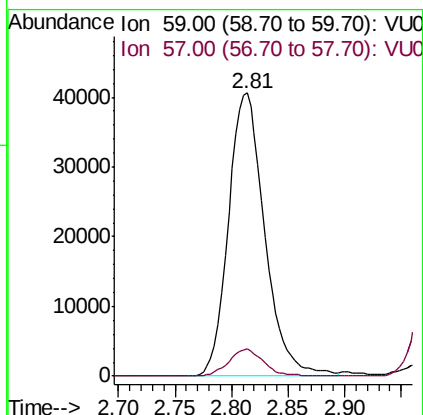
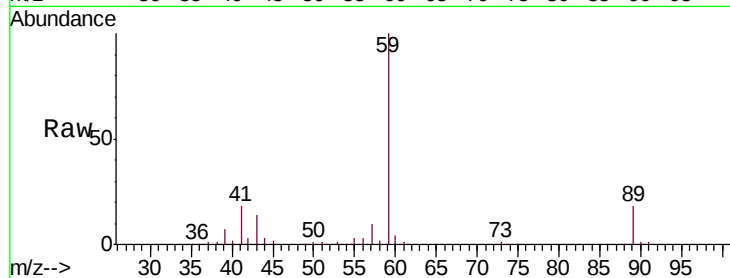


#11

Tert butyl alcohol
 Concen: 95.776 ug/l
 RT: 2.81 min Scan# 536
 Delta R.T. -0.06 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBSD01

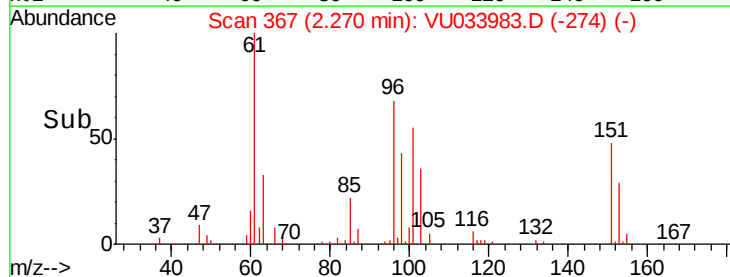
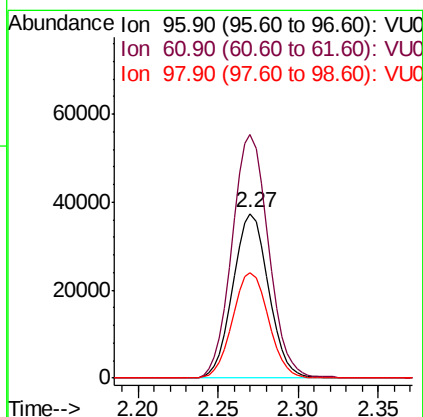
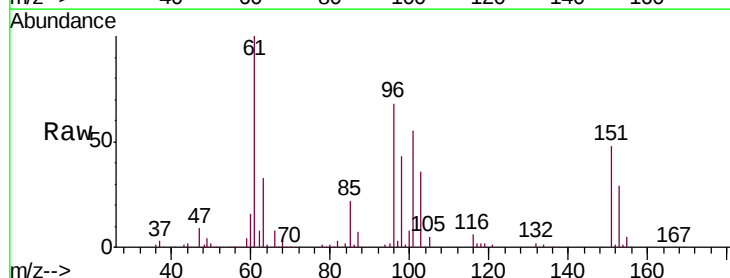
Tgt Ion: 59 Resp: 90806
 Ion Ratio Lower Upper
 59 100
 57 9.1 3.9 5.9#

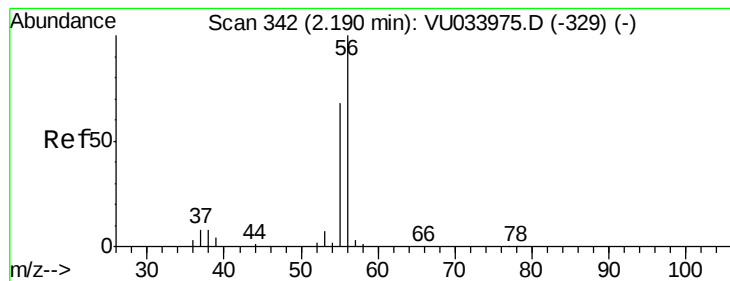


#12

1,1-Dichloroethene
 Concen: 19.588 ug/l
 RT: 2.27 min Scan# 367
 Delta R.T. 0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

Tgt Ion: 96 Resp: 56842
 Ion Ratio Lower Upper
 96 100
 61 147.9 123.3 184.9
 98 64.2 50.5 75.7





#13

Acrolein

Concen: 91.602 ug/l

RT: 2.18 min Scan# 339

Delta R.T. -0.01 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

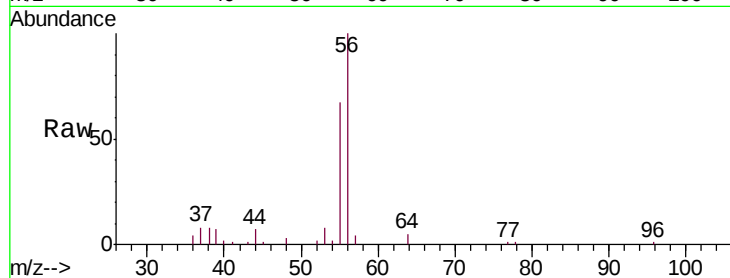
VU0828WBSD01

Tgt Ion: 56 Resp: 27581

Ion Ratio Lower Upper

56 100

55 69.2 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VU033975.D (-329) (-)

Ion 55.00 (54.70 to 55.70): VU033975.D (-329) (-)

2.18

20000

15000

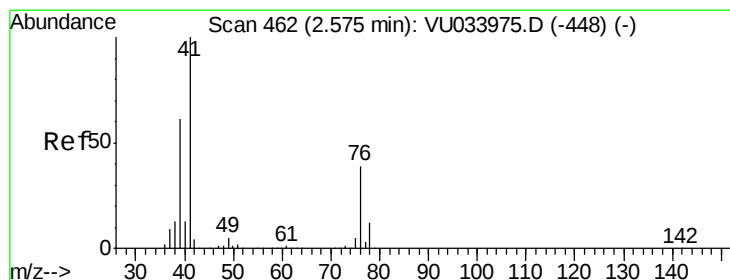
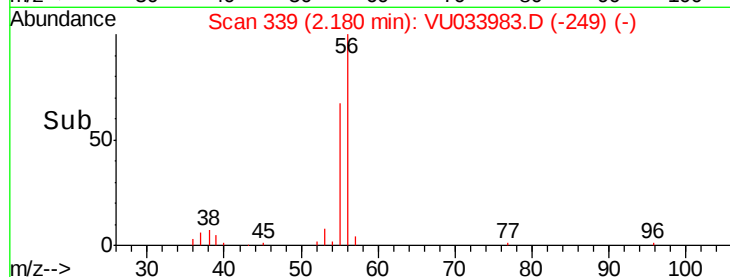
10000

5000

0

2.15 2.20 2.25

Time-->



#14

Allyl chloride

Concen: 17.325 ug/l

RT: 2.58 min Scan# 462

Delta R.T. 0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

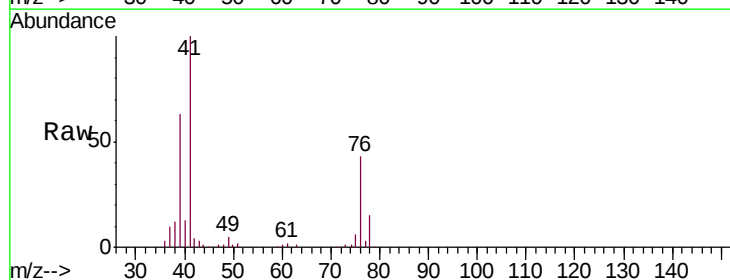
Tgt Ion: 41 Resp: 89017

Ion Ratio Lower Upper

41 100

39 63.9 45.9 68.9

76 40.6 29.4 44.2



Abundance Ion 41.00 (40.70 to 41.70): VU033975.D (-448) (-)

Ion 39.00 (38.70 to 39.70): VU033975.D (-448) (-)

Ion 75.90 (75.60 to 76.60): VU033975.D (-448) (-)

2.58

60000

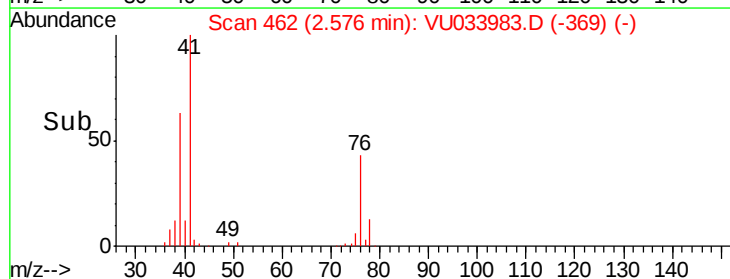
40000

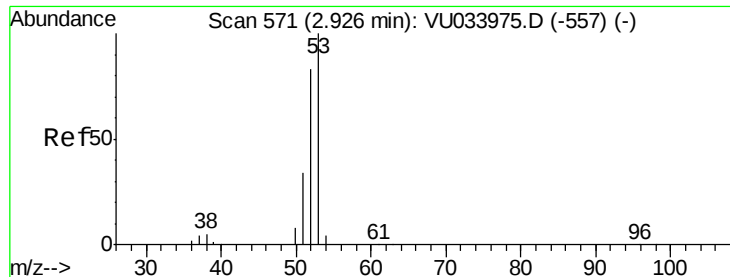
20000

0

2.50 2.55 2.60 2.65

Time-->





#15

Acrylonitrile

Concen: 100.822 ug/l

RT: 2.92 min Scan# 568

Delta R.T. -0.01 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBSD01

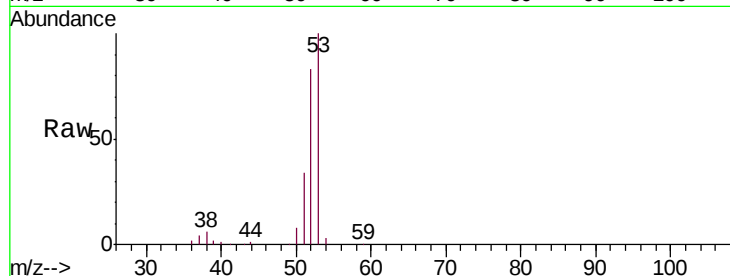
Tgt Ion: 53 Resp: 193241

Ion Ratio Lower Upper

53 100

52 80.9 66.7 100.1

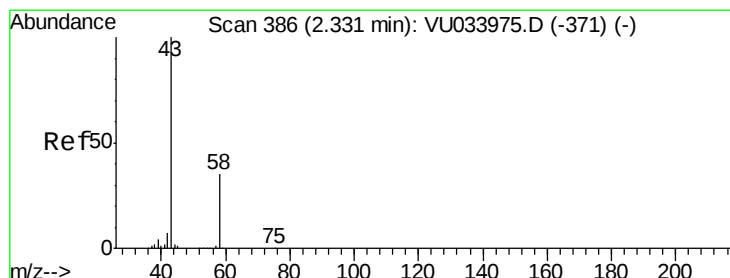
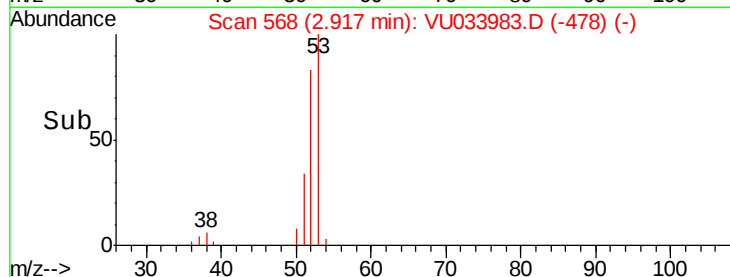
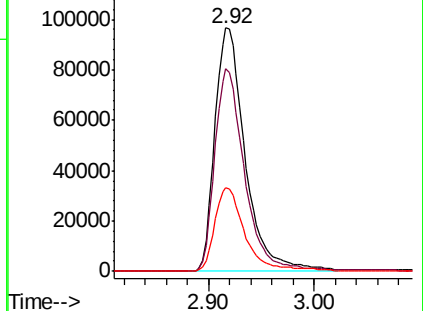
51 34.4 27.5 41.3



Abundance Ion 53.00 (52.70 to 53.70): VU033975.D (-557) (-)

Ion 52.00 (51.70 to 52.70): VU033975.D (-557) (-)

Ion 51.00 (50.70 to 51.70): VU033975.D (-557) (-)



#16

Acetone

Concen: 85.356 ug/l

RT: 2.31 min Scan# 379

Delta R.T. -0.02 min

Lab File: VU033983.D

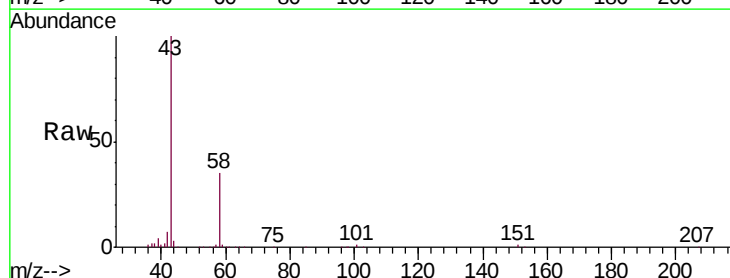
Acq: 27 Aug 2019 19:29

Tgt Ion: 43 Resp: 149554

Ion Ratio Lower Upper

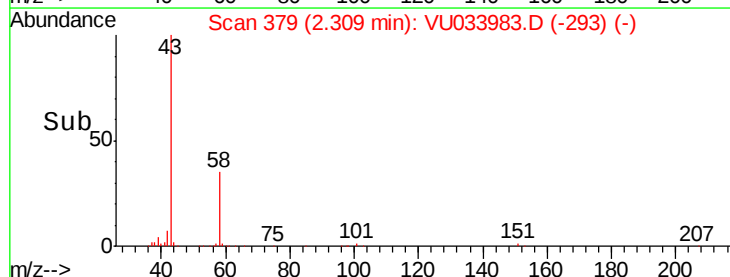
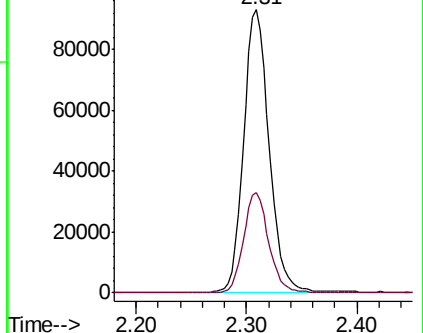
43 100

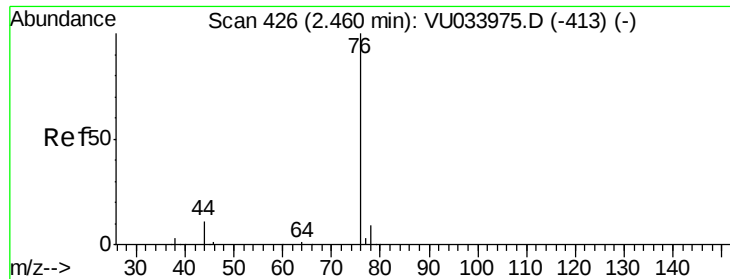
58 35.3 28.0 42.0



Abundance Ion 43.00 (42.70 to 43.70): VU033975.D (-371) (-)

Ion 58.00 (57.70 to 58.70): VU033975.D (-371) (-)

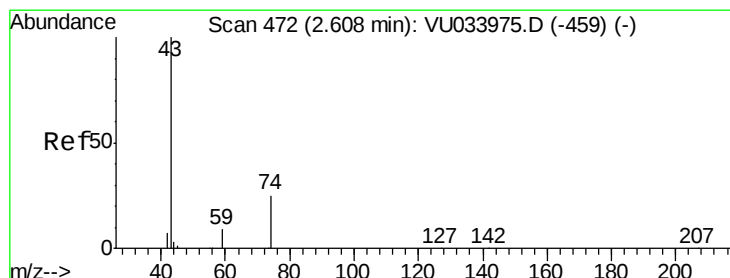
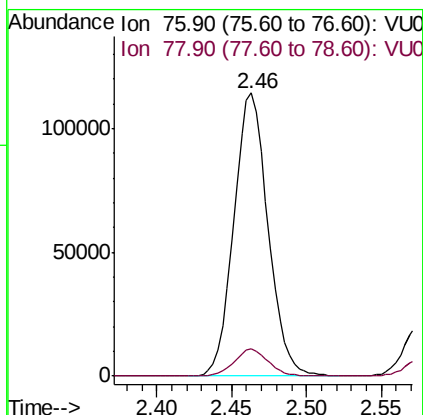
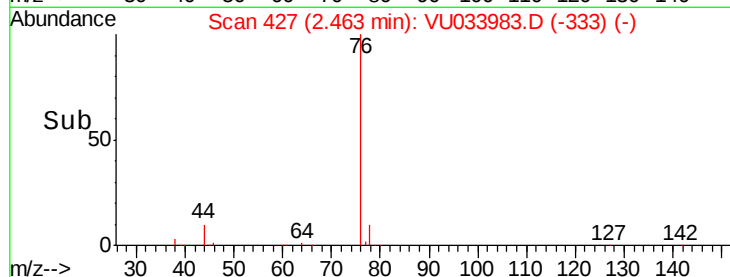
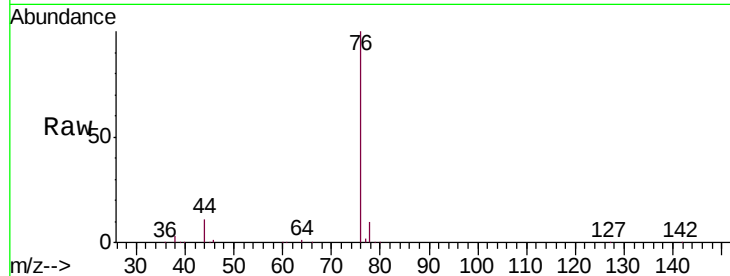




#17
Carbon Disulfide
Concen: 19.062 ug/l
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

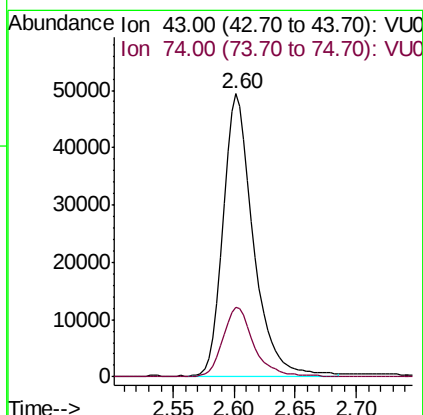
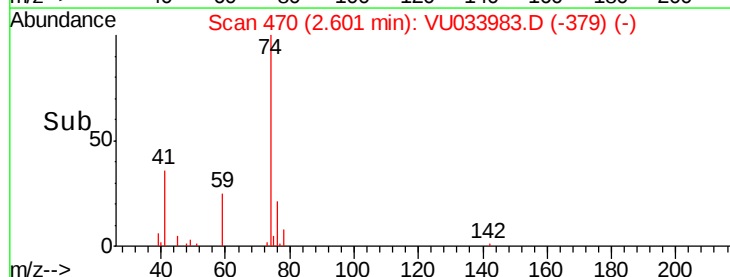
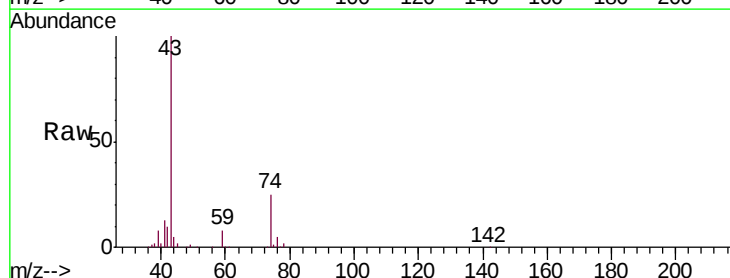
Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD01

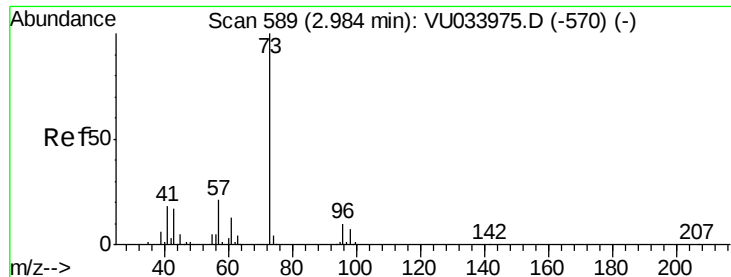
Tgt Ion: 76 Resp: 181644
Ion Ratio Lower Upper
76 100
78 9.7 7.5 11.3



#18
Methyl Acetate
Concen: 19.704 ug/l
RT: 2.60 min Scan# 470
Delta R.T. -0.01 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Tgt Ion: 43 Resp: 85033
Ion Ratio Lower Upper
43 100
74 25.8 20.5 30.7

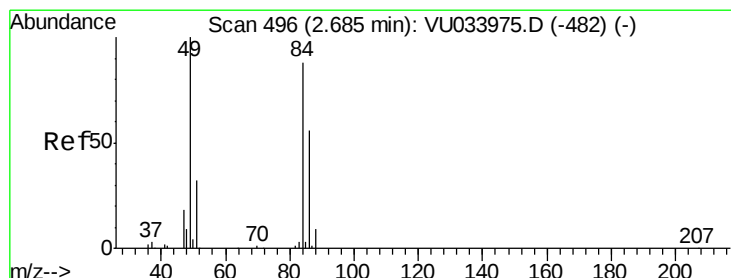
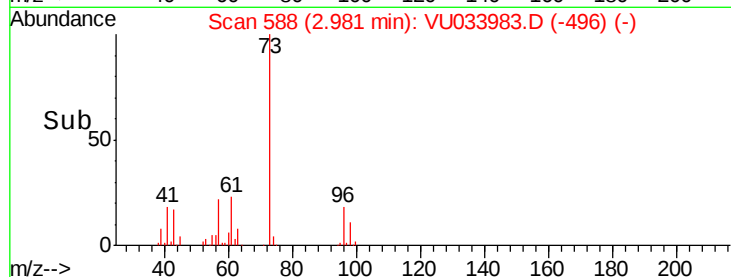
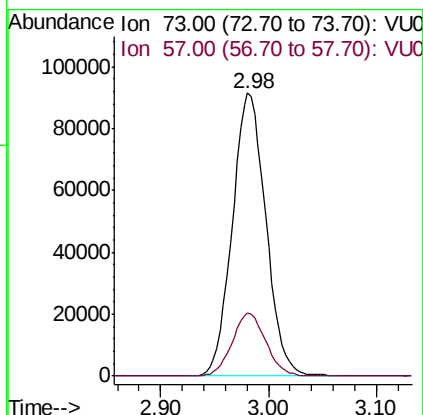
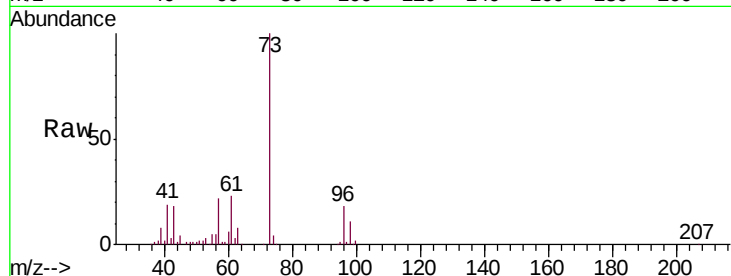




#19
Methyl tert-butyl Ether
Concen: 20.339 ug/l
RT: 2.98 min Scan# 588
Delta R.T. -0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

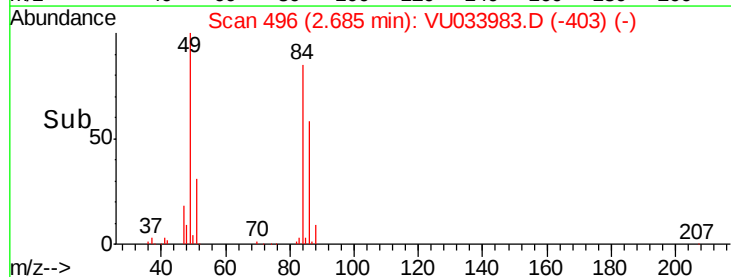
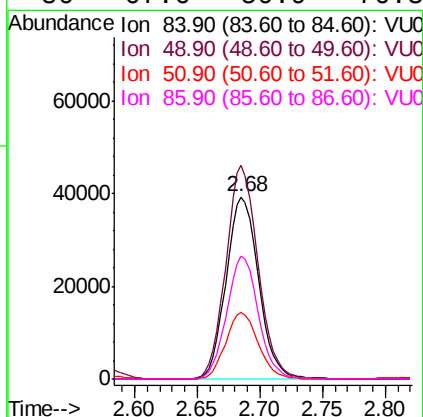
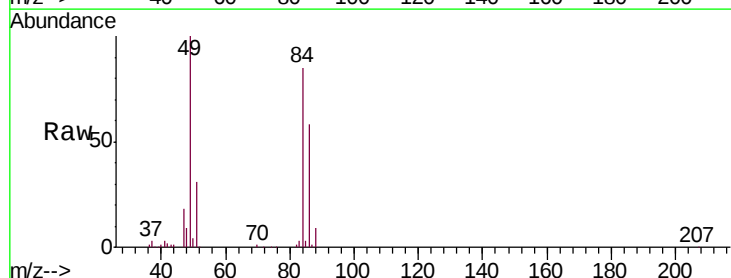
Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD01

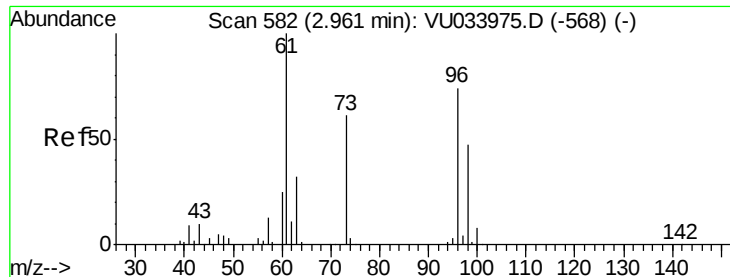
Tgt Ion: 73 Resp: 198268
Ion Ratio Lower Upper
73 100
57 22.3 17.5 26.3



#20
Methylene Chloride
Concen: 19.009 ug/l
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Tgt Ion: 84 Resp: 70662
Ion Ratio Lower Upper
84 100
49 117.4 91.3 136.9
51 36.8 28.9 43.3
86 67.6 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 20.157 ug/l

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBSD01

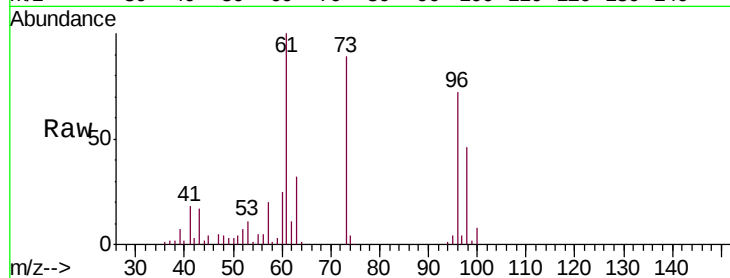
Tgt Ion: 96 Resp: 66690

Ion Ratio Lower Upper

96 100

61 138.8 108.2 162.2

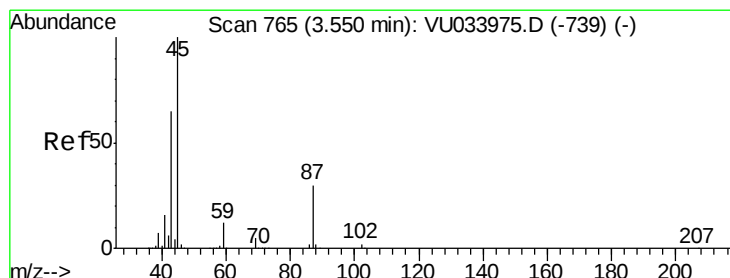
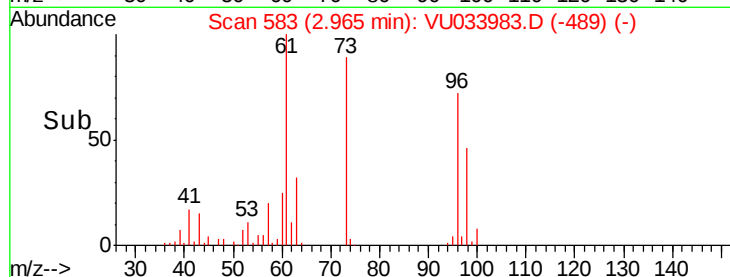
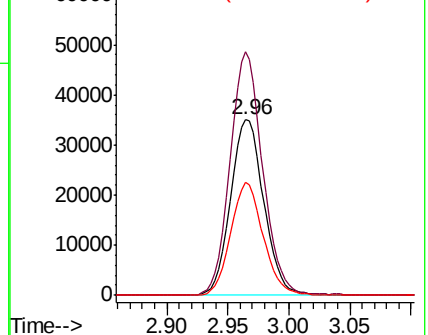
98 64.1 50.3 75.5



Abundance Ion 95.90 (95.60 to 96.60): VU033975.D (-568) (-)

Ion 60.90 (60.60 to 61.60): VU033975.D (-568) (-)

Ion 97.90 (97.60 to 98.60): VU033975.D (-568) (-)



#22

Diisopropyl ether

Concen: 20.348 ug/l

RT: 3.55 min Scan# 765

Delta R.T. 0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

Tgt Ion: 45 Resp: 192089

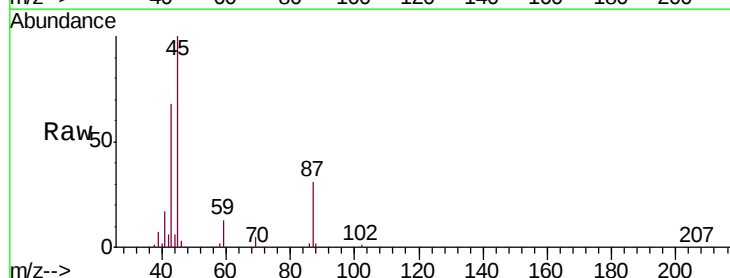
Ion Ratio Lower Upper

45 100

43 64.8 51.6 77.4

87 30.6 24.4 36.6

59 12.8 9.8 14.6

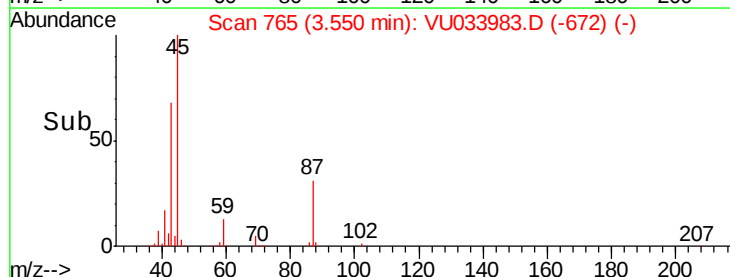
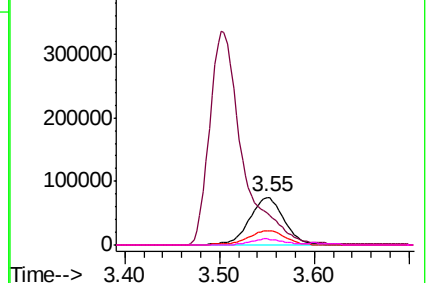


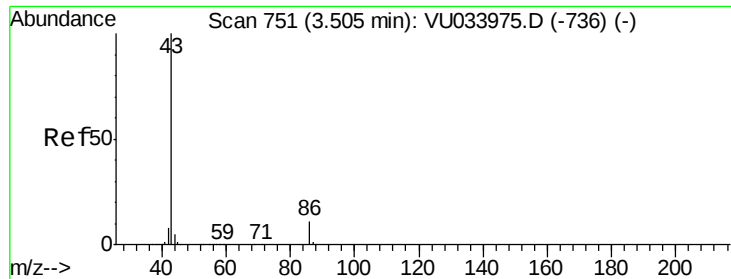
Abundance Ion 45.00 (44.70 to 45.70): VU033975.D (-739) (-)

Ion 43.00 (42.70 to 43.70): VU033975.D (-739) (-)

Ion 87.00 (86.70 to 87.70): VU033975.D (-739) (-)

Ion 59.00 (58.70 to 59.70): VU033975.D (-739) (-)





#23

Vinyl Acetate

Concen: 101.871 ug/l

RT: 3.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

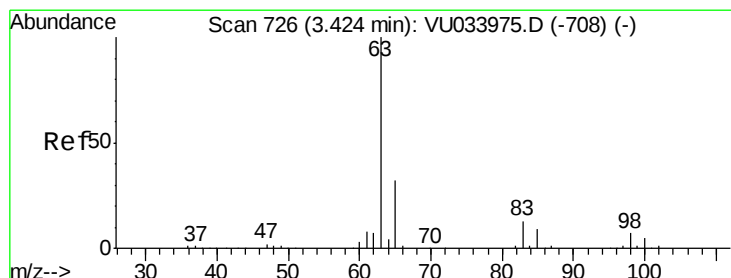
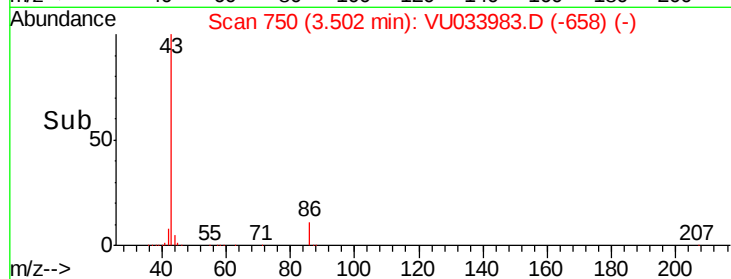
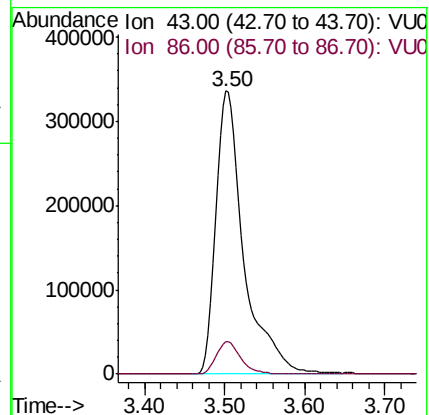
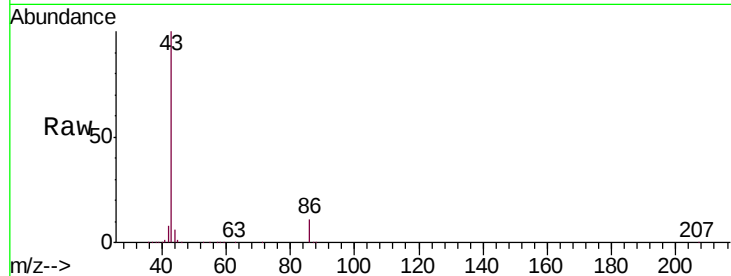
VU0828WBSD01

Tgt Ion: 43 Resp: 817007

Ion Ratio Lower Upper

43 100

86 11.3 9.1 13.7



#24

1,1-Dichloroethane

Concen: 19.907 ug/l

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

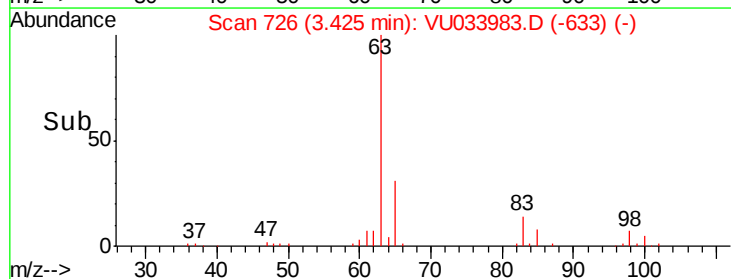
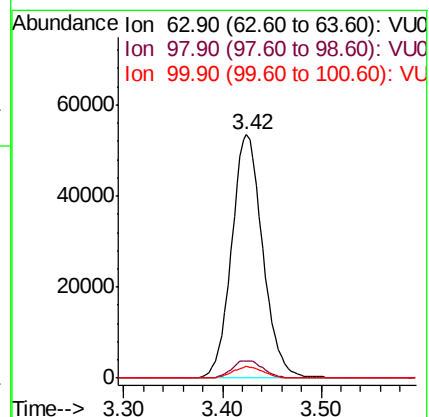
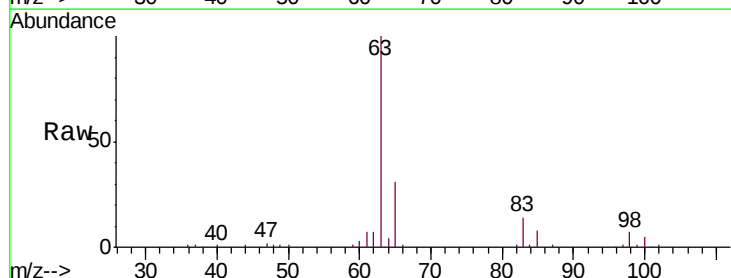
Tgt Ion: 63 Resp: 117660

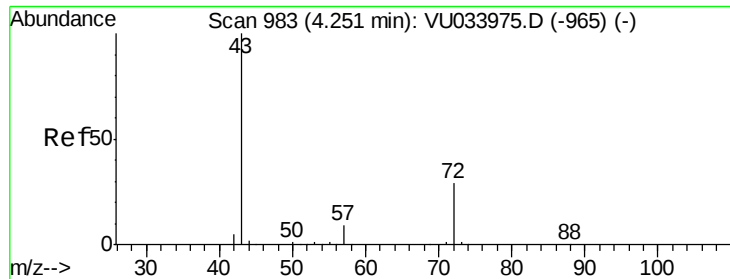
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.4

100 4.7 2.3 6.8





#25

2-Butanone

Concen: 96.541 ug/l

RT: 4.24 min Scan# 979

Delta R.T. -0.01 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

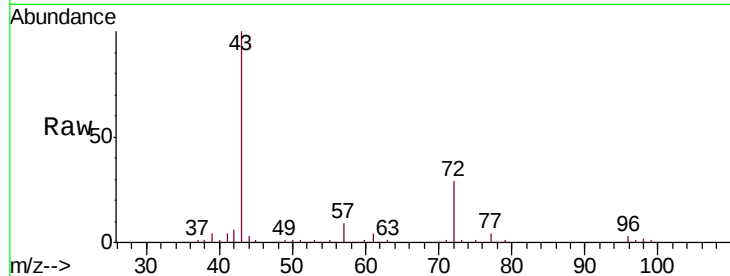
VU0828WBSD01

Tgt Ion: 43 Resp: 242469

Ion Ratio Lower Upper

43 100

72 28.4 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VU033975.D (-965) (-)

Ion 72.00 (71.70 to 72.70): VU033975.D (-965) (-)

4.24

100000

80000

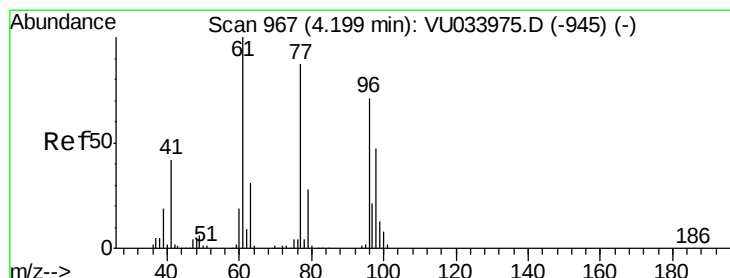
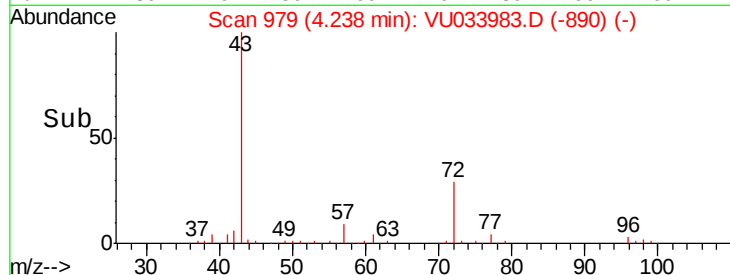
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 18.349 ug/l

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU033983.D

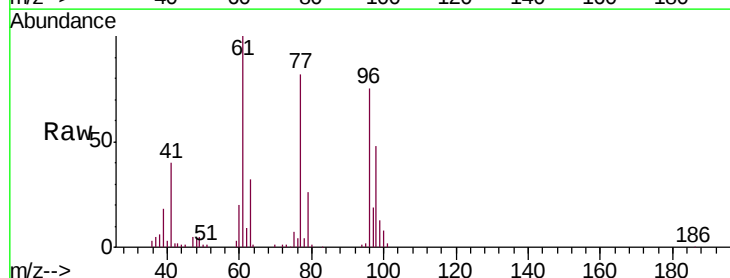
Acq: 27 Aug 2019 19:29

Tgt Ion: 77 Resp: 91701

Ion Ratio Lower Upper

77 100

97 24.4 12.0 36.0



Abundance Ion 76.90 (76.60 to 77.60): VU033975.D (-945) (-)

Ion 96.90 (96.60 to 97.60): VU033975.D (-945) (-)

4.20

40000

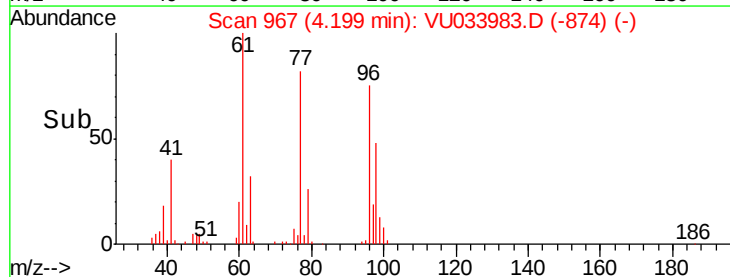
30000

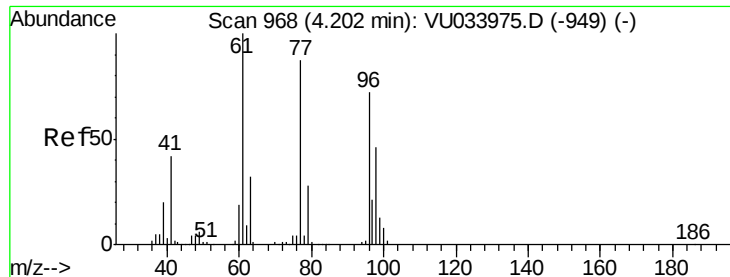
20000

10000

0

Time-->



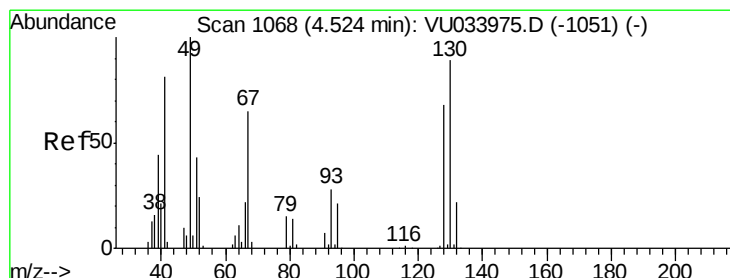
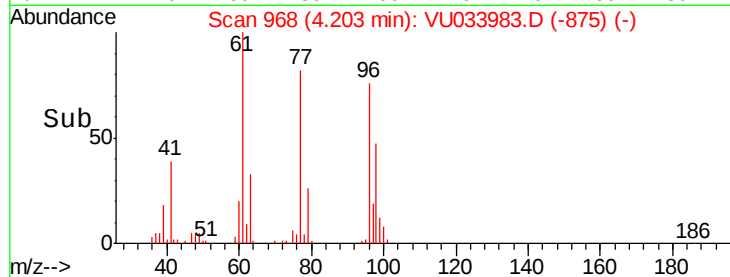
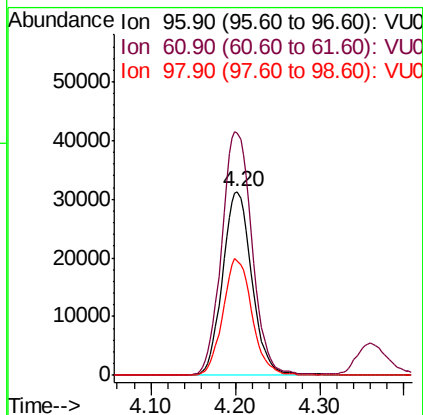
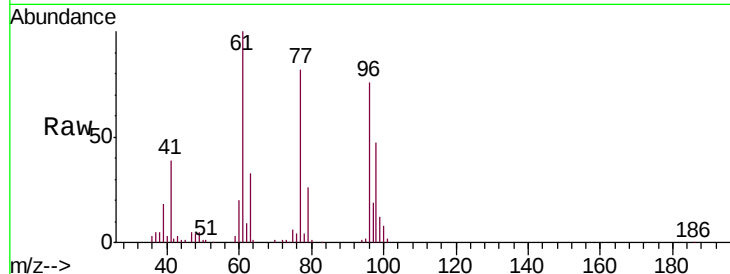


#27

cis-1,2-Dichloroethene
 Concen: 20.433 ug/l
 RT: 4.20 min Scan# 968
 Delta R.T. 0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBSD01

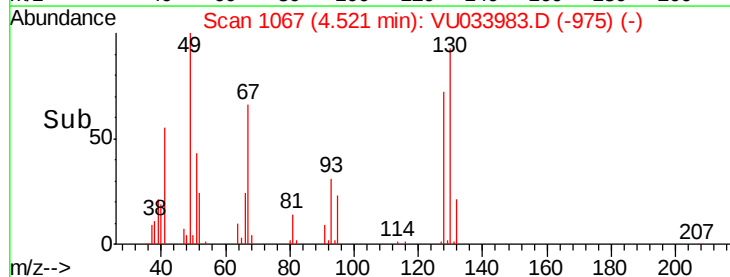
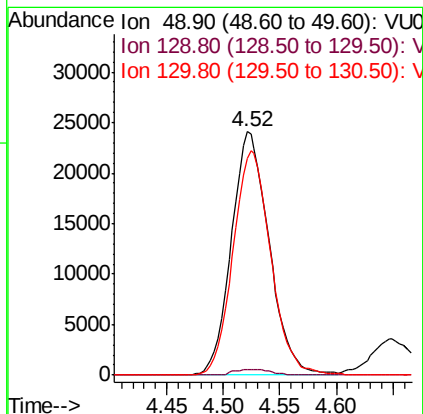
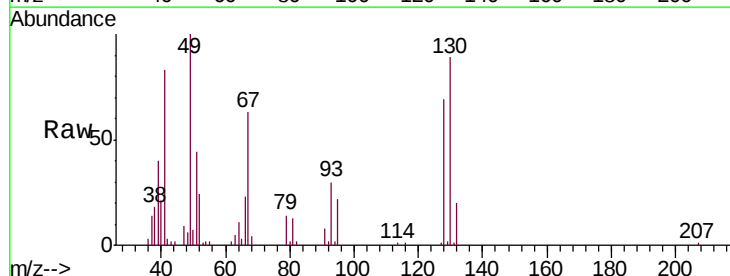
Tgt Ion: 96 Resp: 75675
 Ion Ratio Lower Upper
 96 100
 61 137.7 0.0 287.2
 98 62.9 0.0 131.8

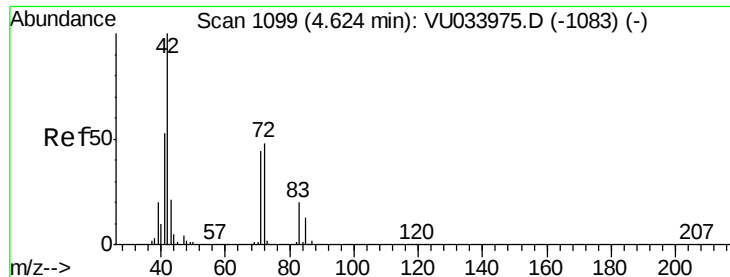


#28

Bromochloromethane
 Concen: 20.581 ug/l
 RT: 4.52 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

Tgt Ion: 49 Resp: 55968
 Ion Ratio Lower Upper
 49 100
 129 1.2 0.0 4.6
 130 91.6 71.0 106.6





#29

Tetrahydrofuran

Concen: 99.109 ug/l

RT: 4.61 min Scan# 1096

Delta R.T. -0.01 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBSD01

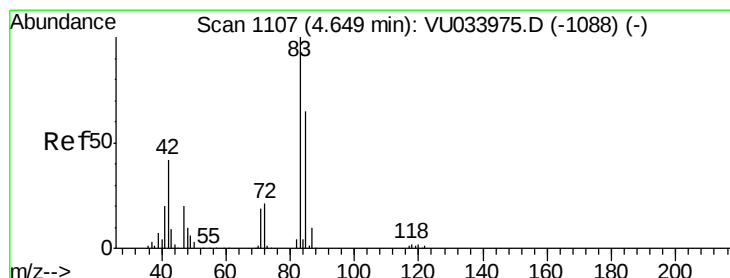
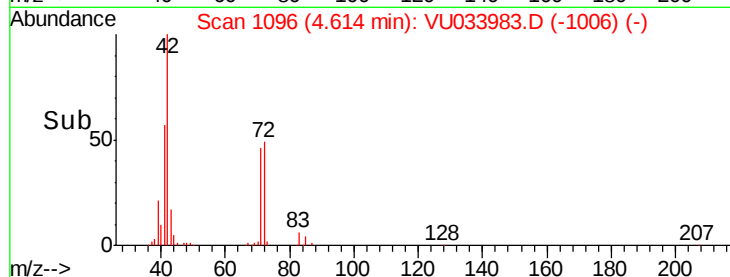
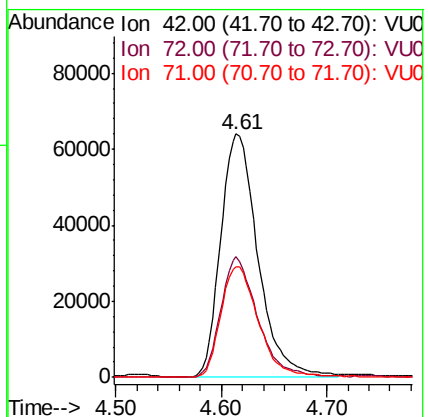
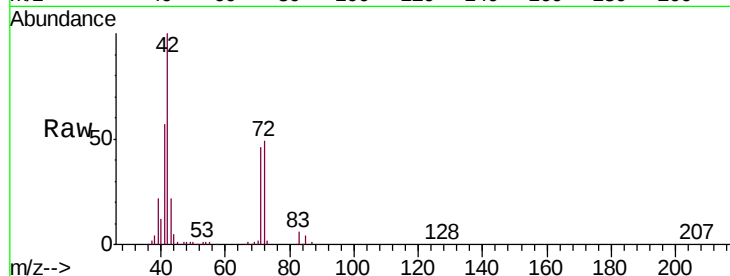
Tgt Ion: 42 Resp: 155692

Ion Ratio Lower Upper

42 100

72 49.3 38.9 58.3

71 46.3 35.7 53.5



#30

Chloroform

Concen: 19.862 ug/l

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU033983.D

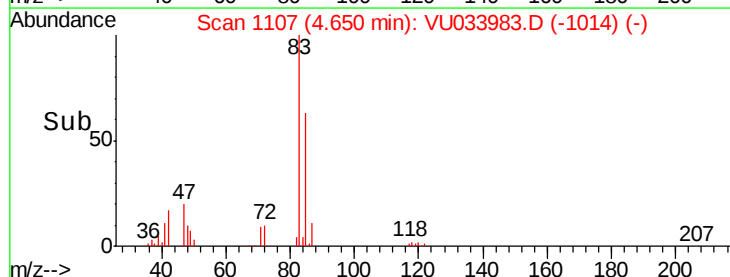
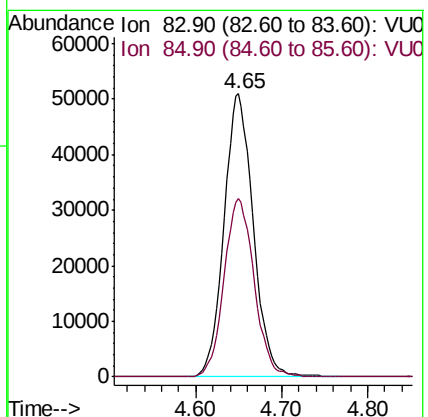
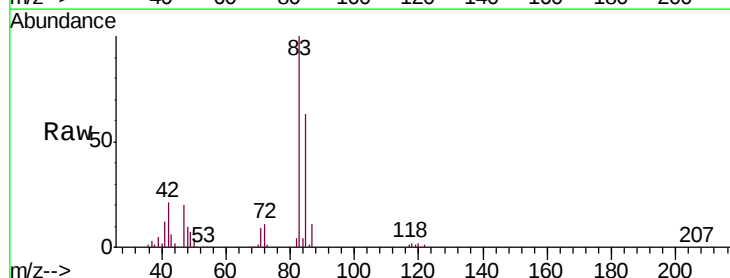
Acq: 27 Aug 2019 19:29

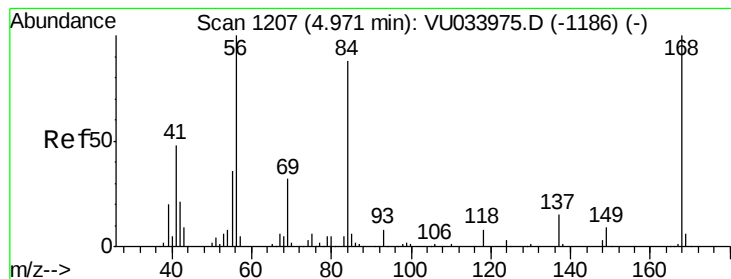
Tgt Ion: 83 Resp: 120209

Ion Ratio Lower Upper

83 100

85 63.1 52.1 78.1





#31

Cyclohexane

Concen: 19.690 ug/l

RT: 4.97 min Scan# 1207

Delta R.T. 0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBSD01

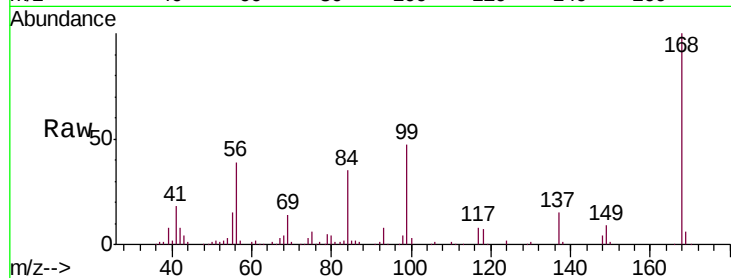
Tgt Ion: 56 Resp: 106273

Ion Ratio Lower Upper

56 100

69 36.3 25.9 38.9

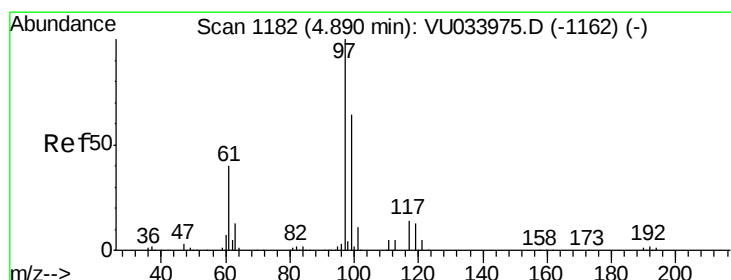
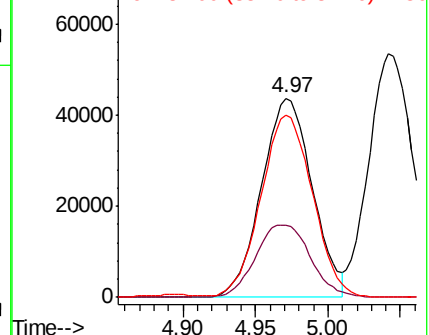
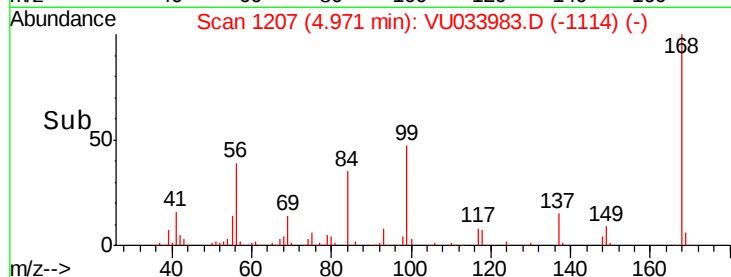
84 90.9 70.4 105.6



Abundance Ion 56.00 (55.70 to 56.70): VU033983.D (-1114) (-)

Ion 69.00 (68.70 to 69.70): VU033983.D (-1114) (-)

Ion 84.00 (83.70 to 84.70): VU033983.D (-1114) (-)



#32

1,1,1-Trichloroethane

Concen: 20.160 ug/l

RT: 4.89 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

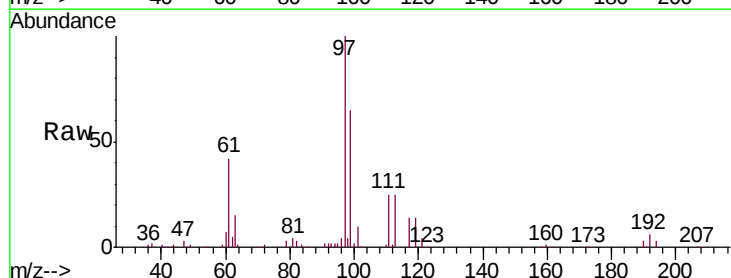
Tgt Ion: 97 Resp: 102717

Ion Ratio Lower Upper

97 100

99 64.0 51.6 77.4

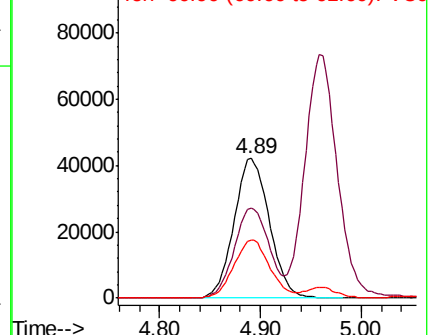
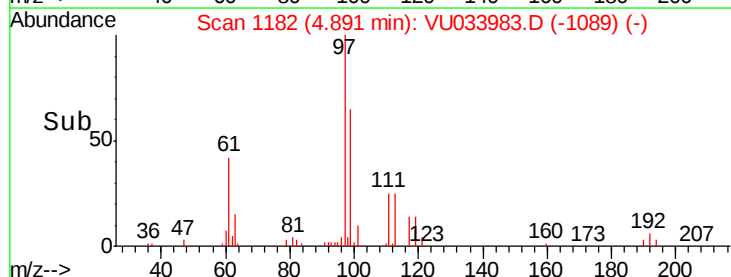
61 42.3 32.7 49.1

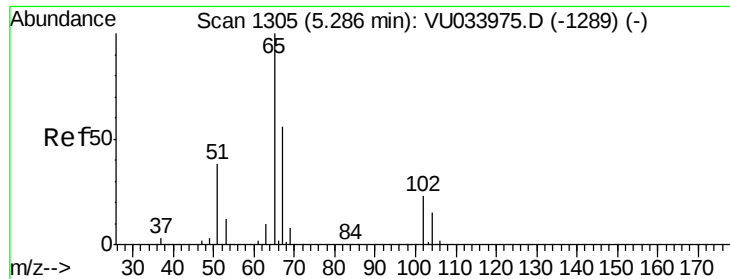


Abundance Ion 96.90 (96.60 to 97.60): VU033983.D (-1089) (-)

Ion 98.90 (98.60 to 99.60): VU033983.D (-1089) (-)

Ion 60.90 (60.60 to 61.60): VU033983.D (-1089) (-)





#33

1,2-Dichloroethane-d4

Concen: 49.681 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

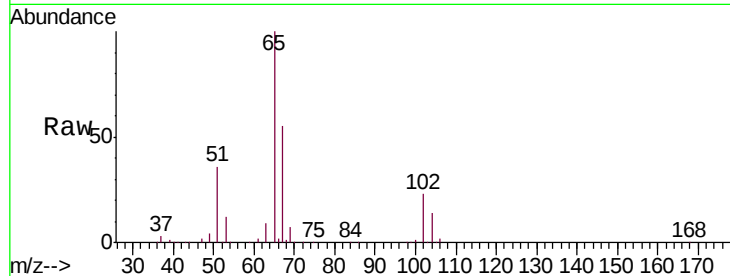
VU0828WBSD01

Tgt Ion: 65 Resp: 181853

Ion Ratio Lower Upper

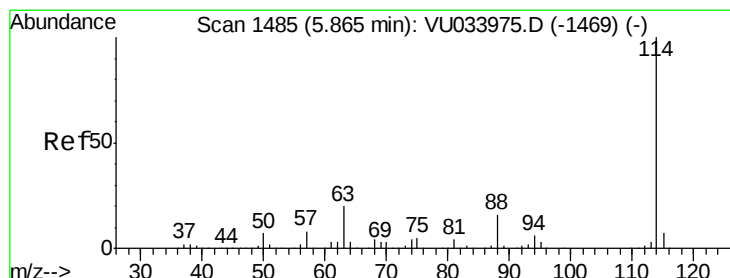
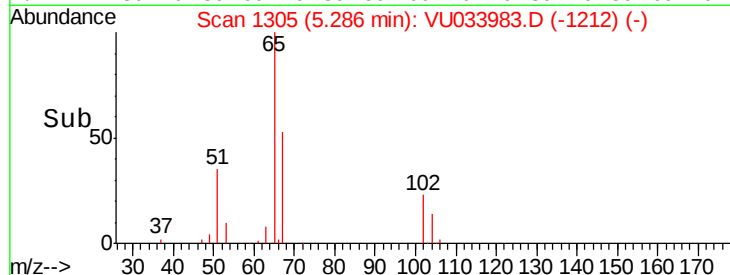
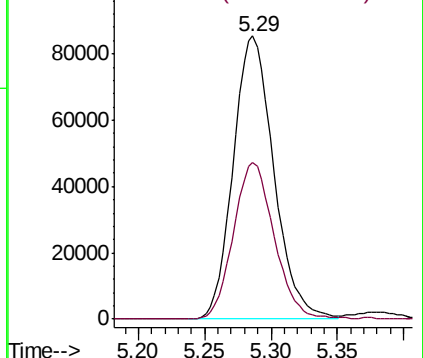
65 100

67 55.6 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VU033975.D (-1289) (-)

Ion 66.90 (66.60 to 67.60): VU033975.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: VU033983.D

Acq: 27 Aug 2019 19:29

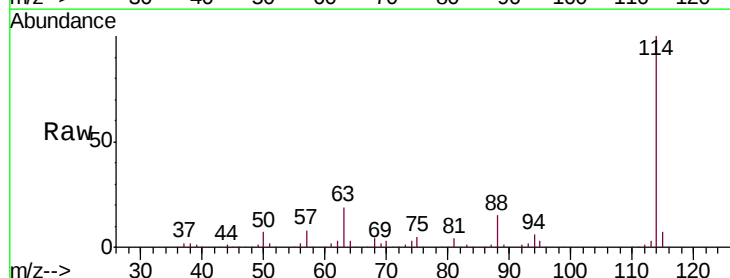
Tgt Ion: 114 Resp: 503170

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.0

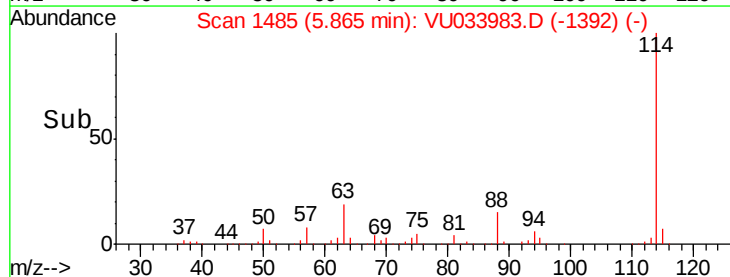
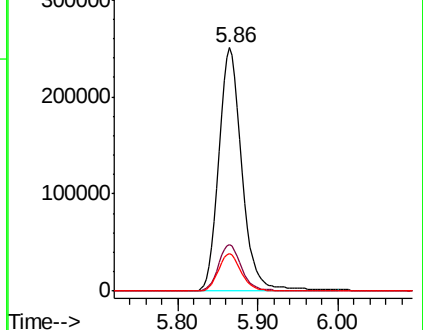
88 15.3 0.0 31.2

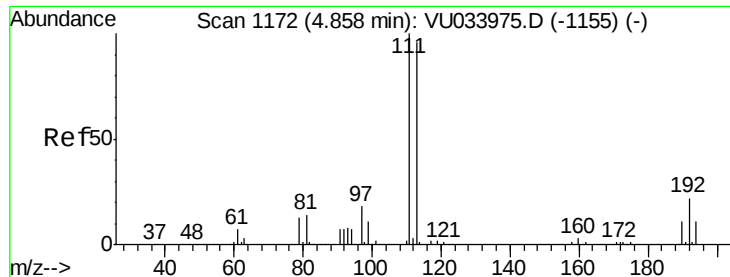


Abundance Ion 113.90 (113.60 to 114.60): VU033975.D (-1469) (-)

Ion 63.00 (62.70 to 63.70): VU033975.D (-1469) (-)

Ion 87.90 (87.60 to 88.60): VU033975.D (-1469) (-)

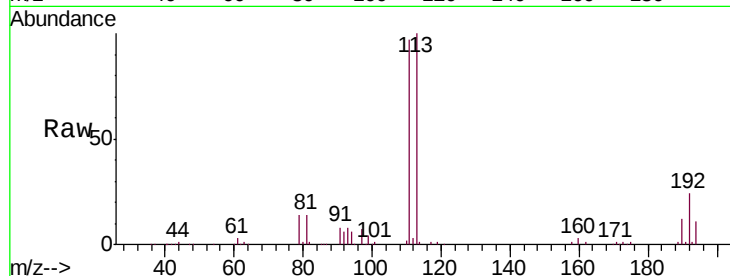




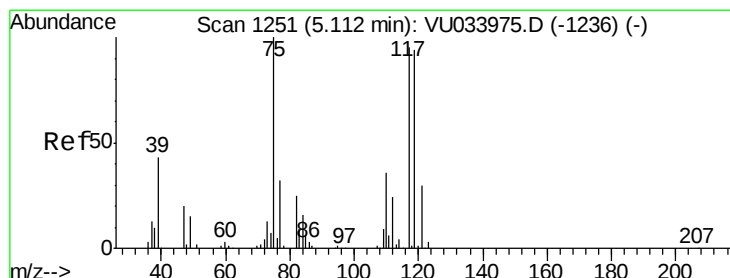
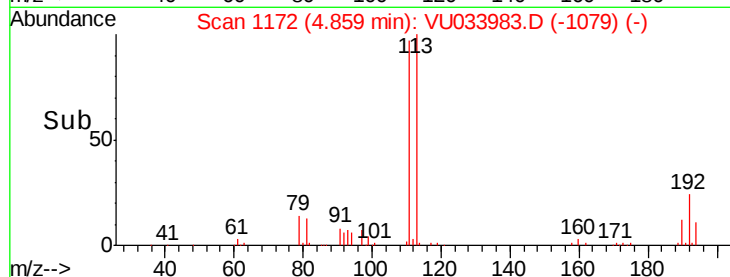
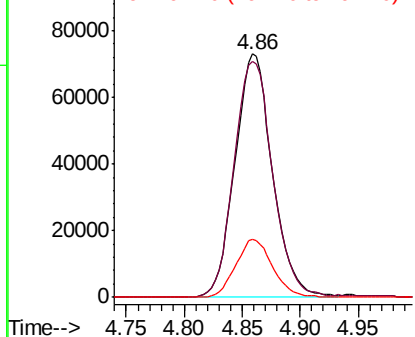
#35
 Dibromofluoromethane
 Concen: 48.563 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBSD01

Tgt Ion: 113 Resp: 164254
 Ion Ratio Lower Upper
 113 100
 111 100.1 81.7 122.5
 192 23.6 18.6 27.8

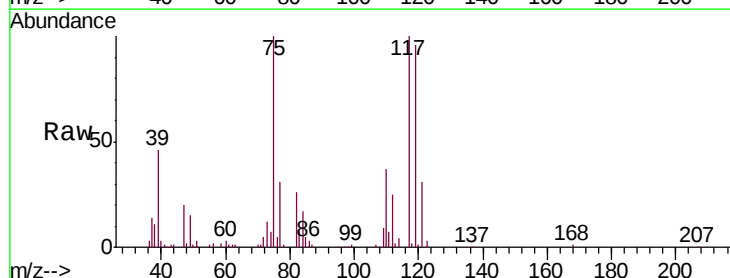


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

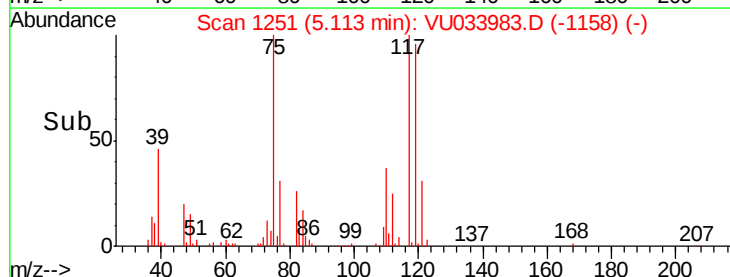
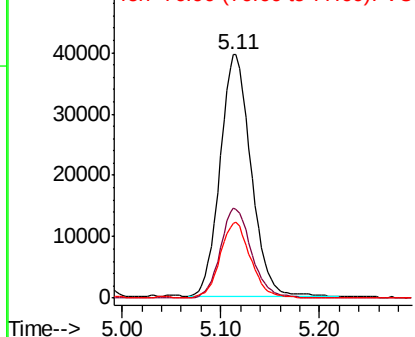


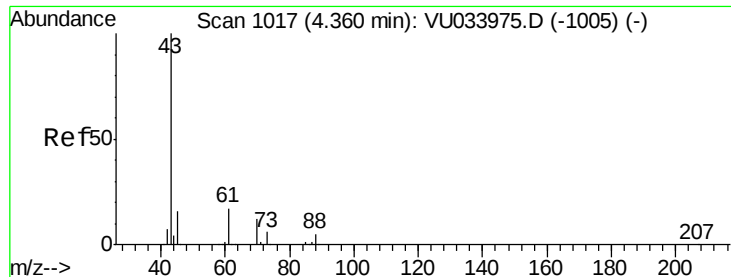
#36
 1,1-Dichloropropene
 Concen: 18.888 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

Tgt Ion: 75 Resp: 87046
 Ion Ratio Lower Upper
 75 100
 110 37.1 18.2 54.6
 77 31.0 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

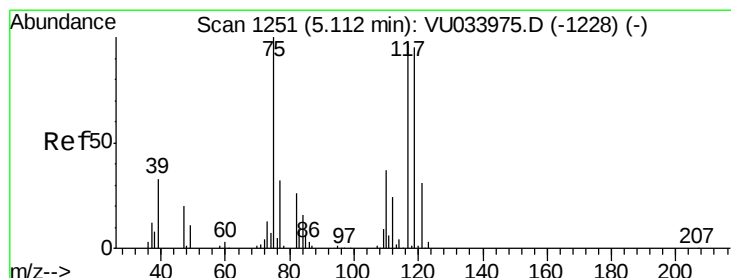
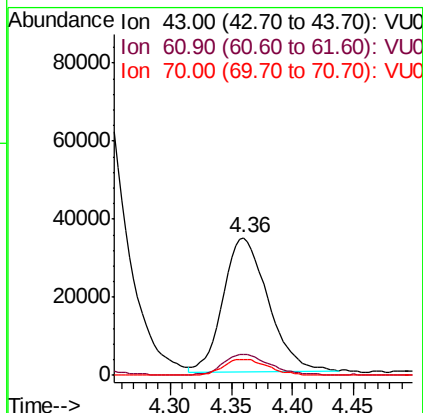
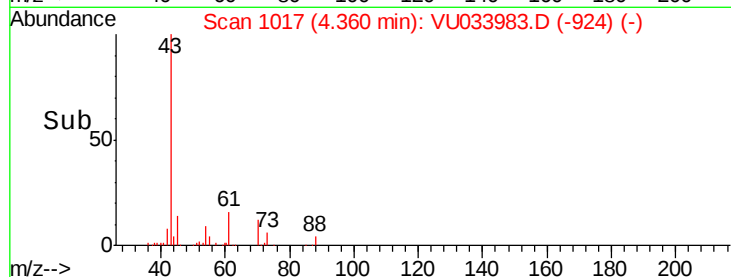
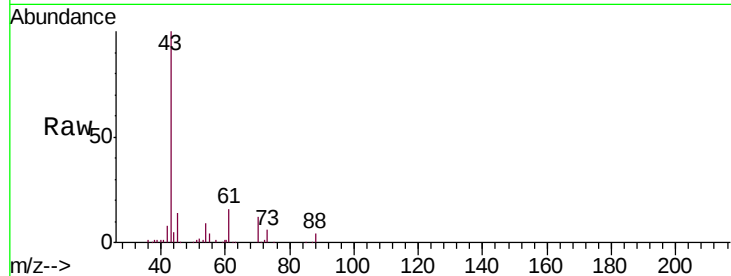




#37
Ethyl Acetate
Concen: 19.047 ug/l
RT: 4.36 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

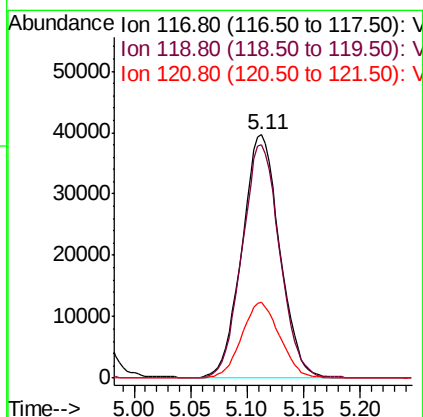
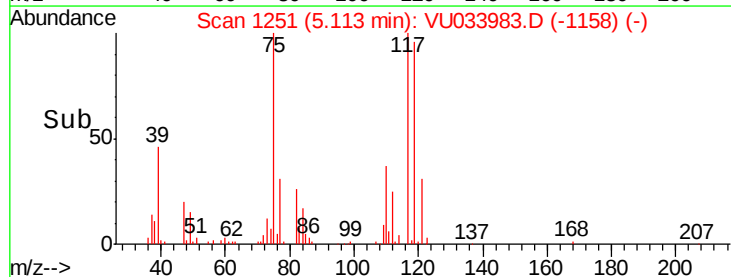
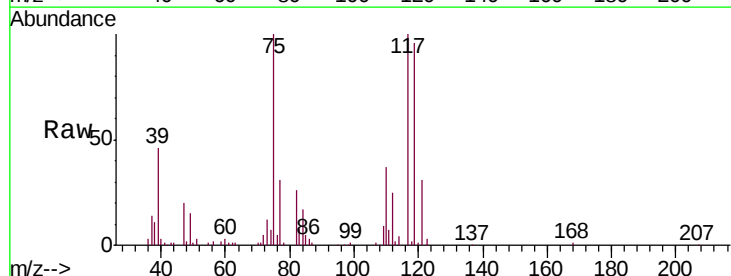
Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD01

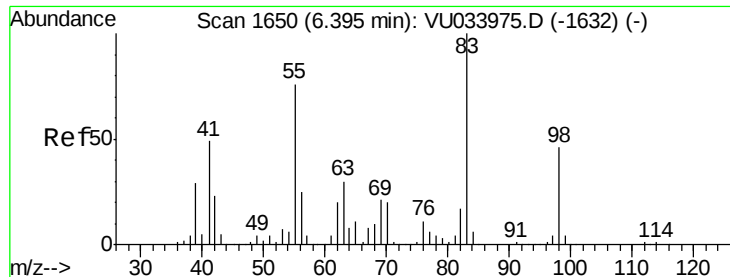
Tgt Ion: 43 Resp: 88043
Ion Ratio Lower Upper
43 100
61 16.0 12.0 18.0
70 12.2 9.2 13.8



#38
Carbon Tetrachloride
Concen: 19.625 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Tgt Ion: 117 Resp: 92171
Ion Ratio Lower Upper
117 100
119 95.9 78.4 117.6
121 31.0 25.4 38.2

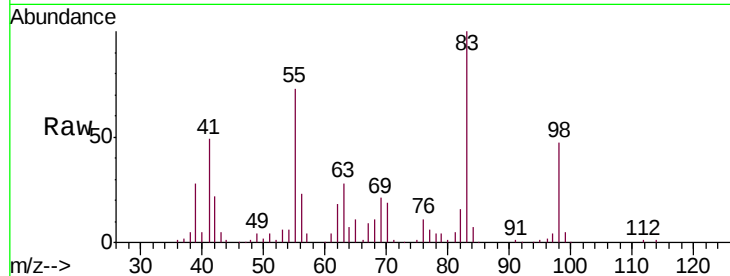




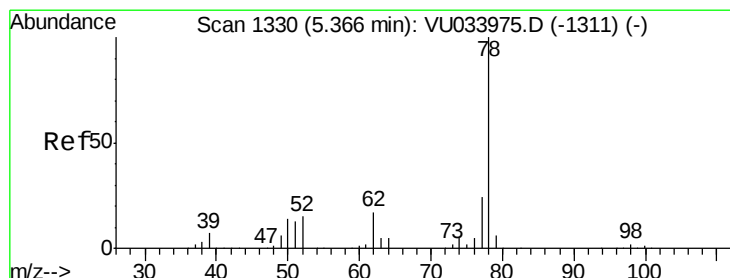
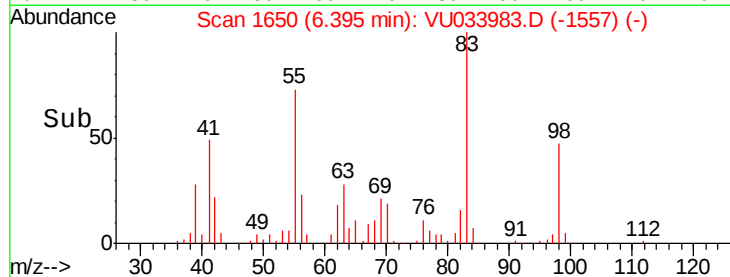
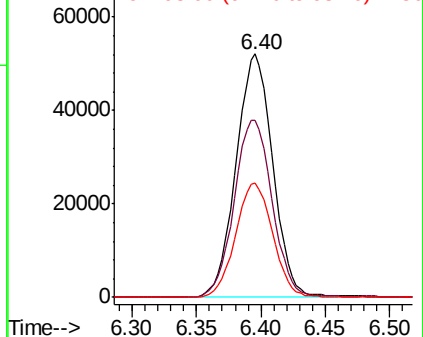
#39
Methylcyclohexane
Concen: 18.942 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD01

Tgt Ion: 83 Resp: 103295
Ion Ratio Lower Upper
83 100
55 72.9 60.8 91.2
98 46.7 36.5 54.7

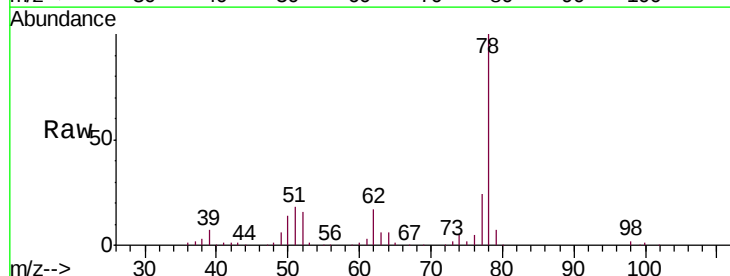


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

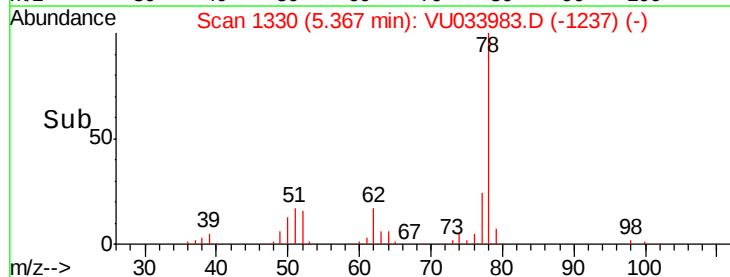
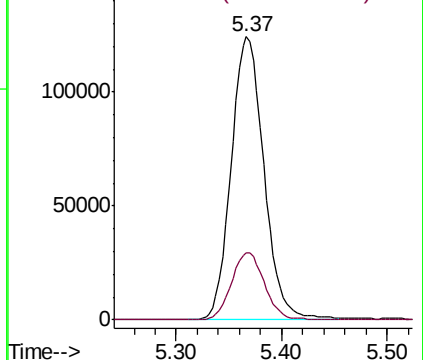


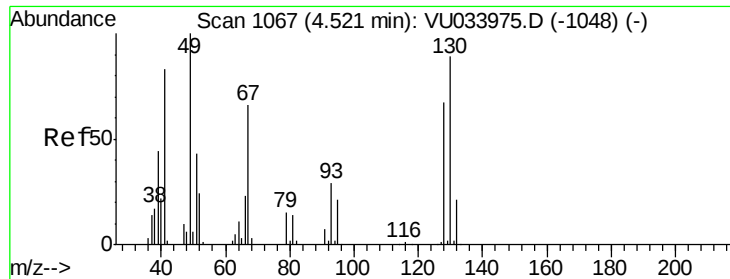
#40
Benzene
Concen: 19.530 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Tgt Ion: 78 Resp: 267605
Ion Ratio Lower Upper
78 100
77 23.7 19.2 28.8



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

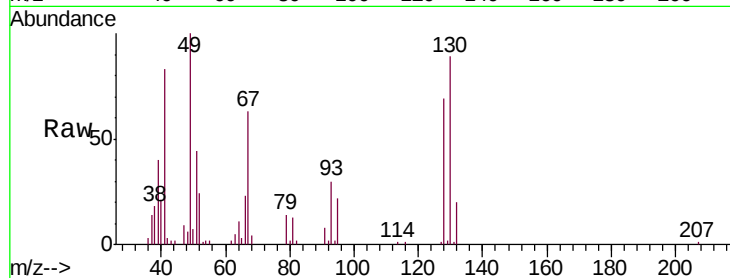




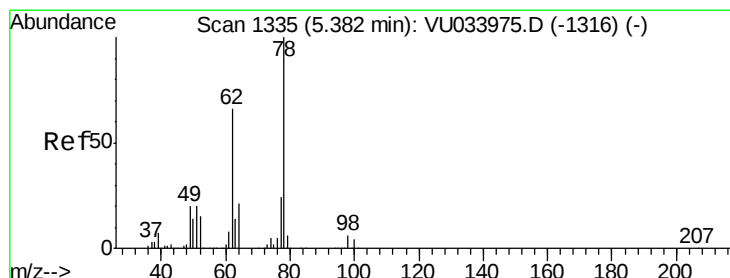
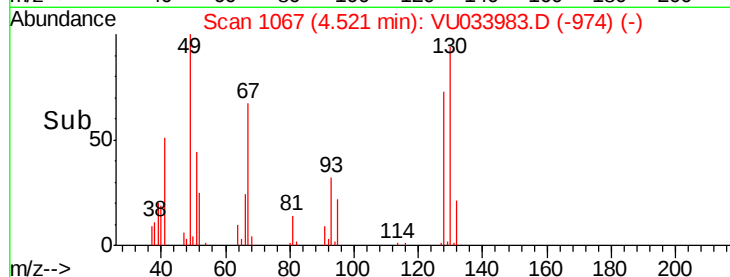
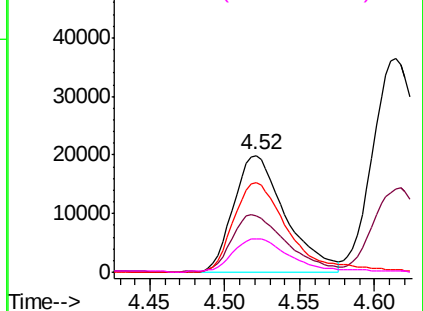
#41
Methacrylonitrile
Concen: 20.090 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD01

Tgt Ion:	41	Resp:	48120
Ion	Ratio	Lower	Upper
41	100		
39	50.9	41.5	62.3
67	81.8	65.0	97.6
52	31.4	23.3	34.9

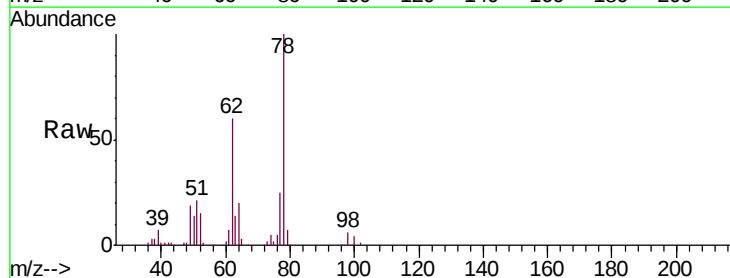


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

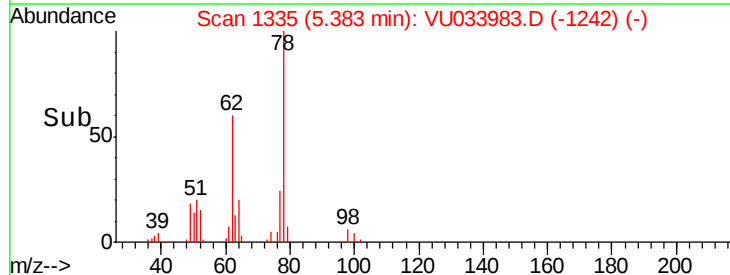
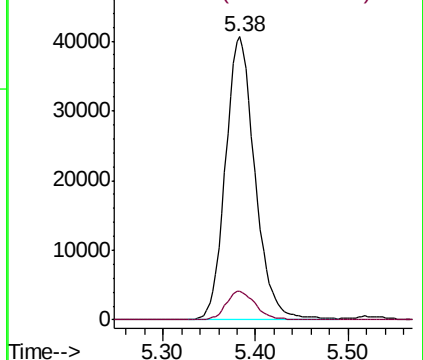


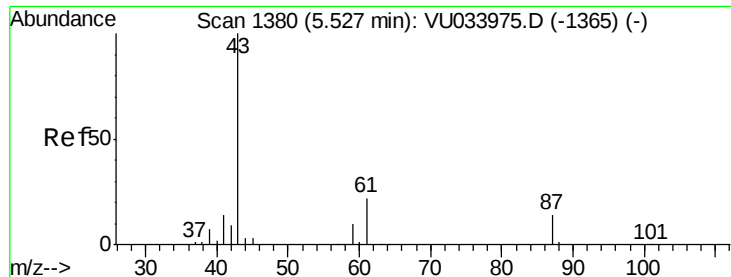
#42
1,2-Dichloroethane
Concen: 19.391 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Tgt Ion:	62	Resp:	89850
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.0



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





#43

Isopropyl Acetate

Concen: 19.375 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBSD01

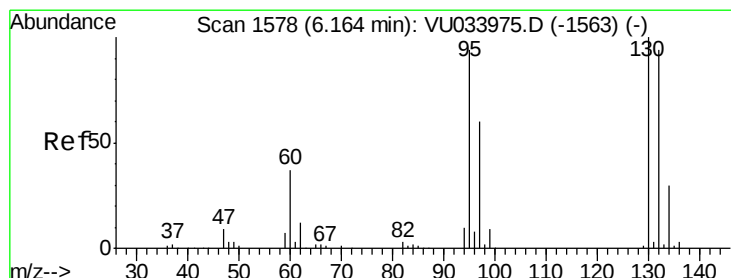
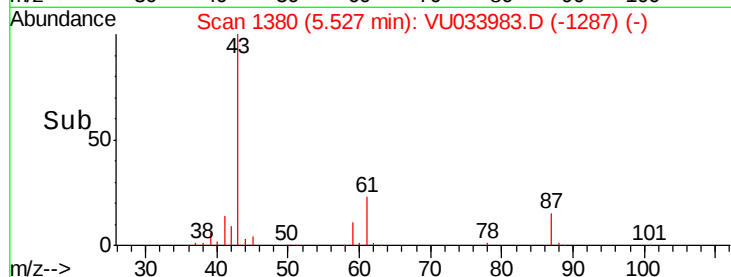
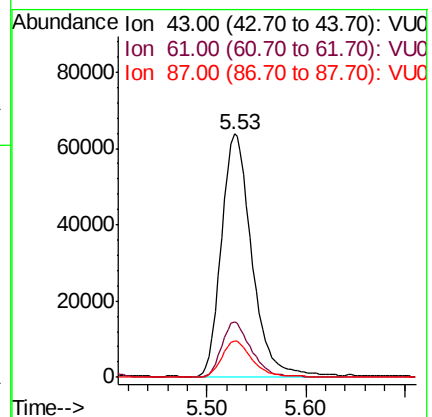
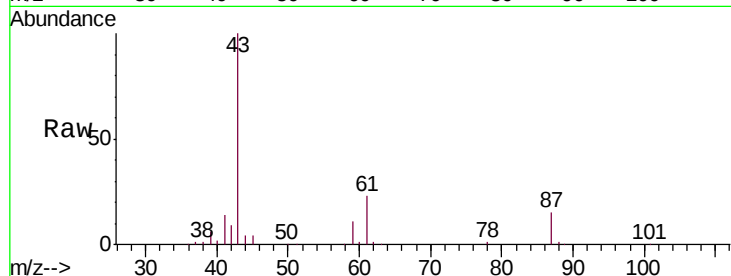
Tgt Ion: 43 Resp: 137321

Ion Ratio Lower Upper

43 100

61 22.3 17.8 26.8

87 14.8 11.9 17.9



#44

Trichloroethene

Concen: 19.297 ug/l

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU033983.D

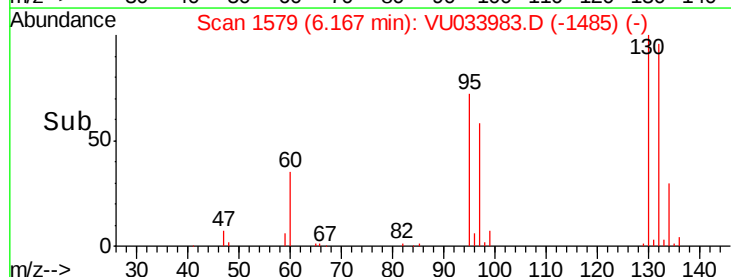
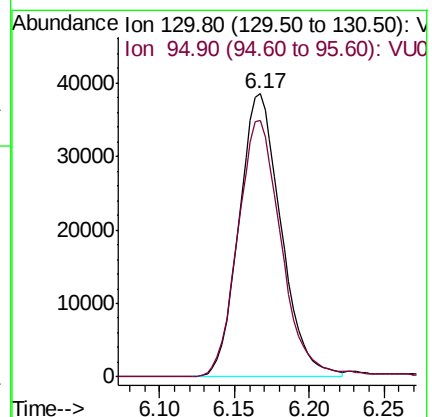
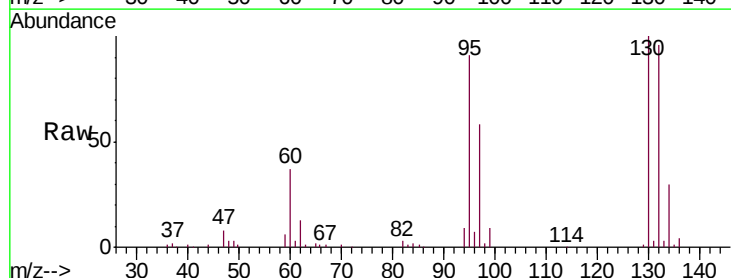
Acq: 27 Aug 2019 19:29

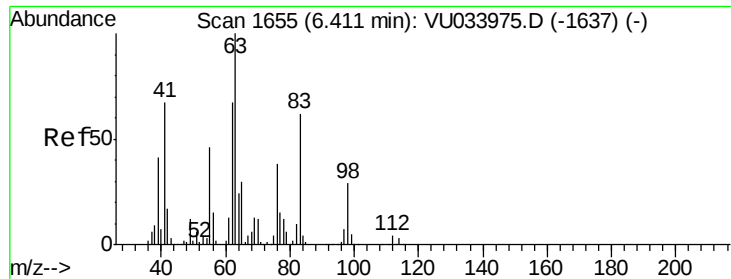
Tgt Ion: 130 Resp: 75391

Ion Ratio Lower Upper

130 100

95 90.6 0.0 187.6

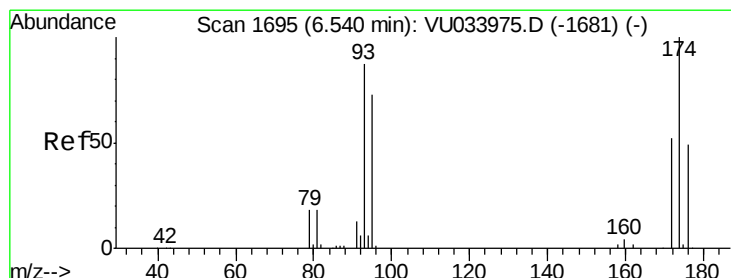
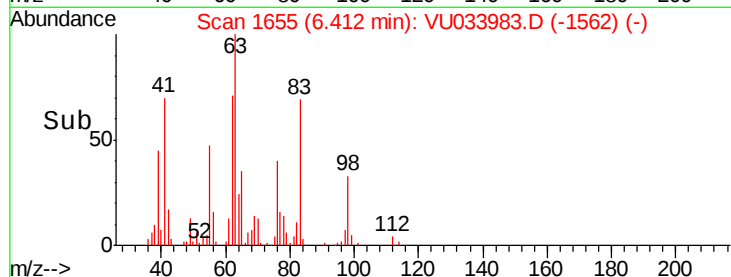
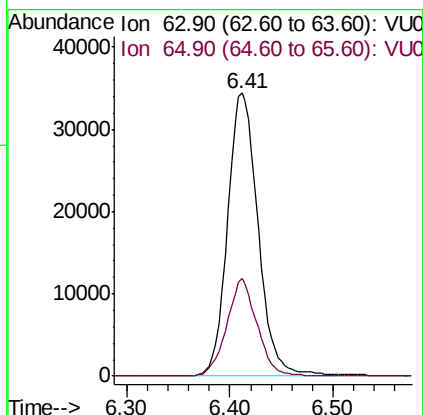
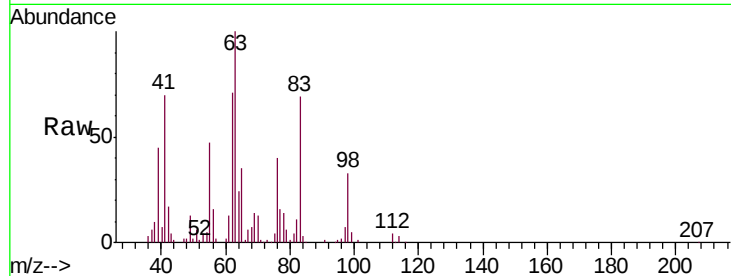




#45
 1,2-Dichloropropane
 Concen: 19.364 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

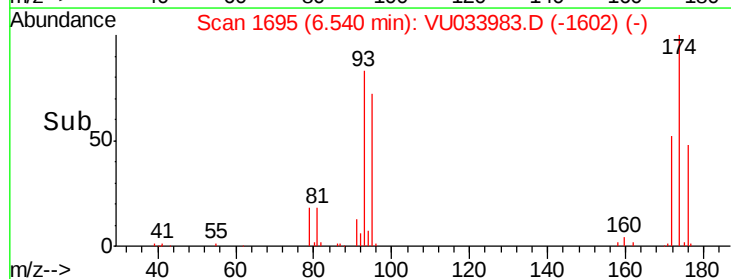
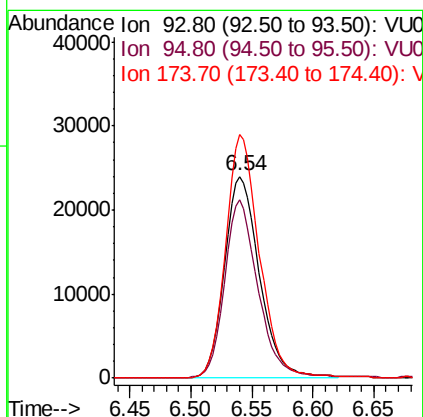
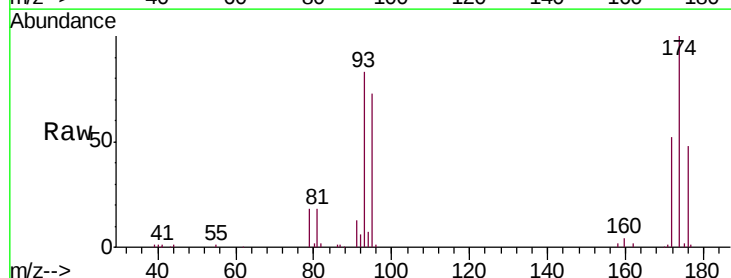
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBSD01

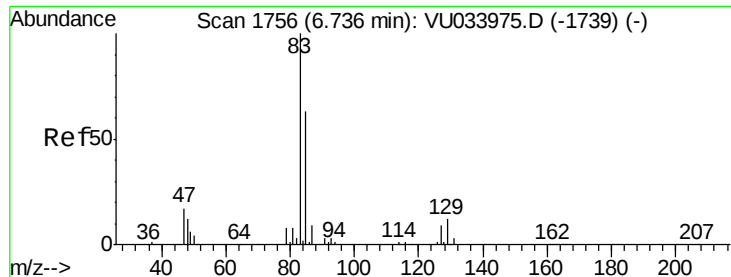
Tgt Ion: 63 Resp: 70984
 Ion Ratio Lower Upper
 63 100
 65 34.5 24.3 36.5



#46
 Dibromomethane
 Concen: 19.384 ug/l
 RT: 6.54 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

Tgt Ion: 93 Resp: 48325
 Ion Ratio Lower Upper
 93 100
 95 84.0 66.2 99.4
 174 116.1 92.2 138.2

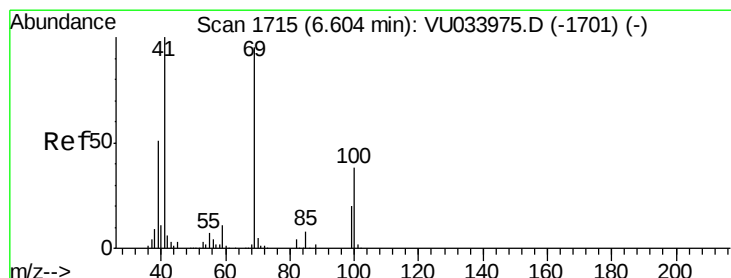
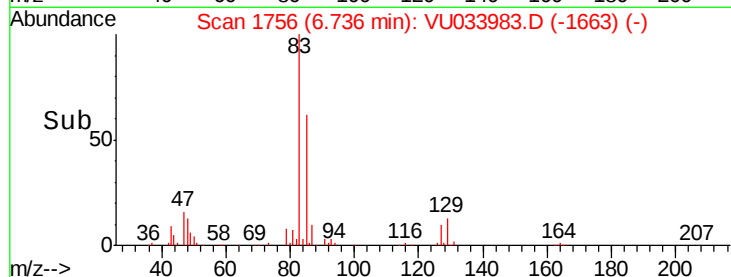
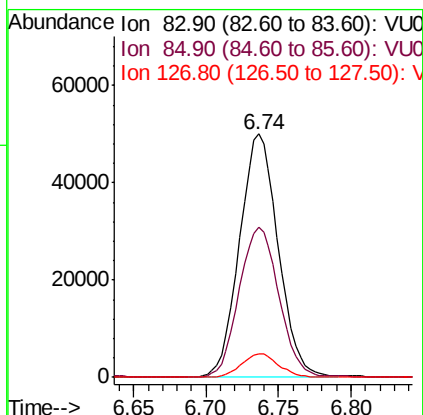
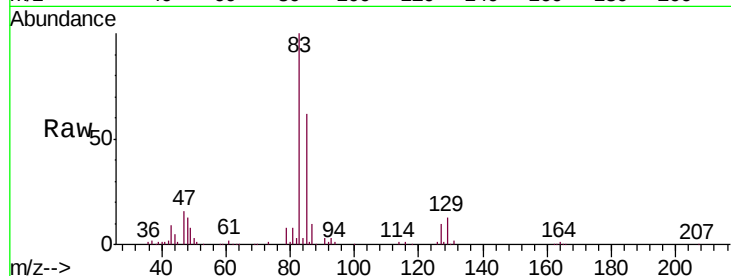




#47
 Bromodichloromethane
 Concen: 19.573 ug/l
 RT: 6.74 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

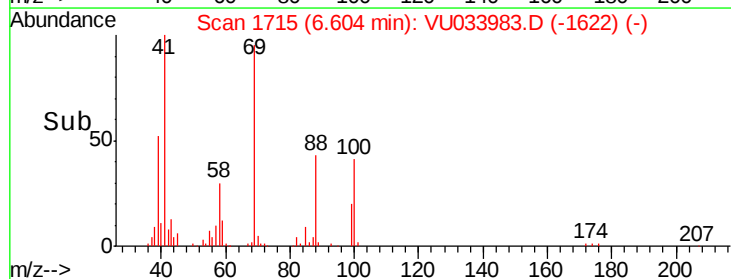
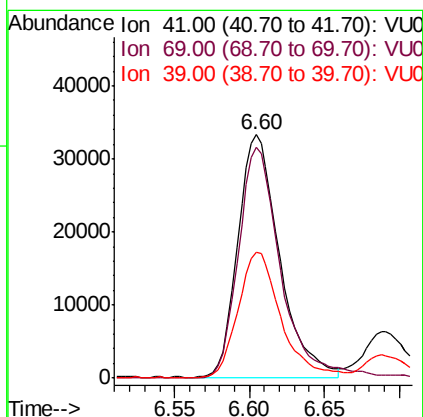
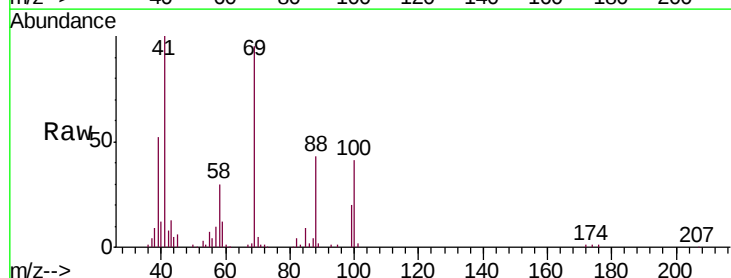
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBSD01

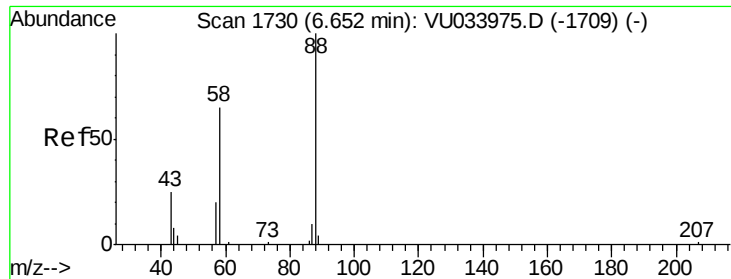
Tgt Ion: 83 Resp: 92941
 Ion Ratio Lower Upper
 83 100
 85 61.6 50.6 76.0
 127 9.6 7.4 11.0



#48
 Methyl methacrylate
 Concen: 19.284 ug/l
 RT: 6.60 min Scan# 1715
 Delta R.T. 0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

Tgt Ion: 41 Resp: 64982
 Ion Ratio Lower Upper
 41 100
 69 95.8 76.3 114.5
 39 53.3 41.1 61.7

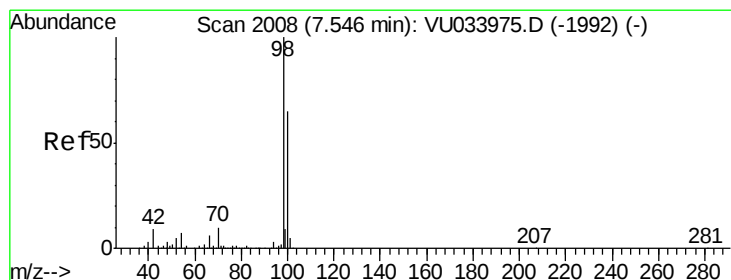
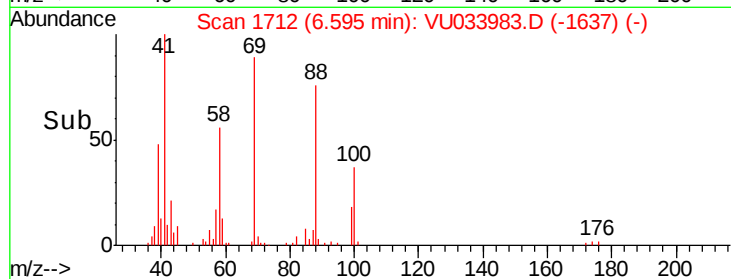
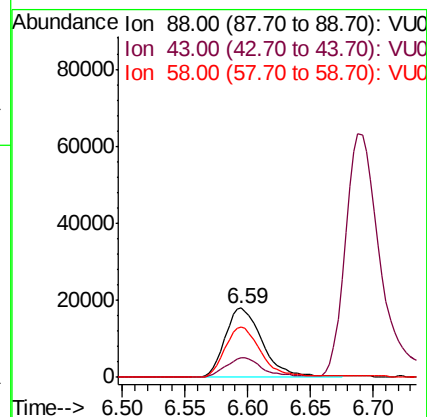
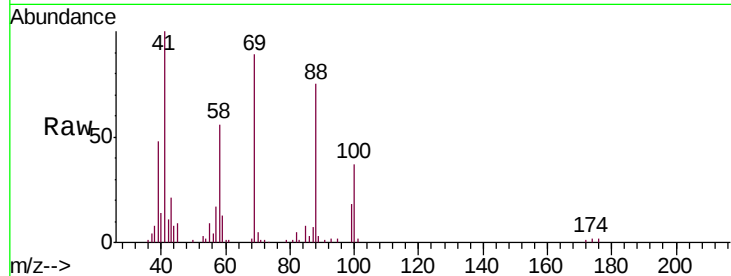




#49
 1,4-Dioxane
 Concen: 404.408 ug/l
 RT: 6.59 min Scan# 1712
 Delta R.T. -0.06 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

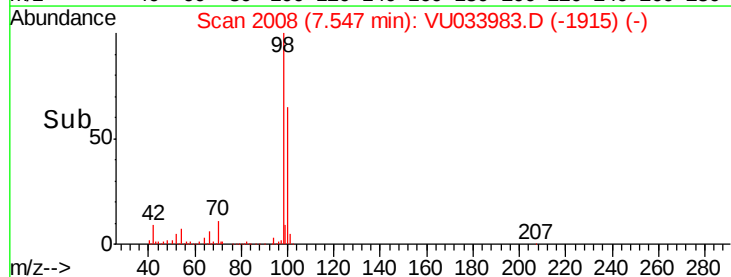
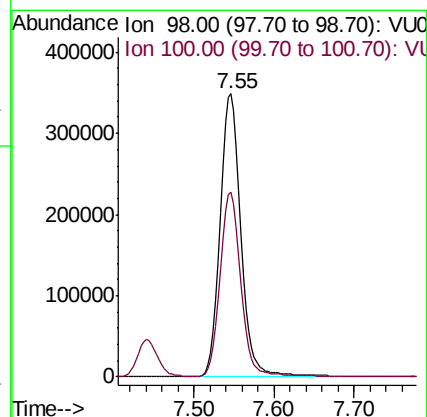
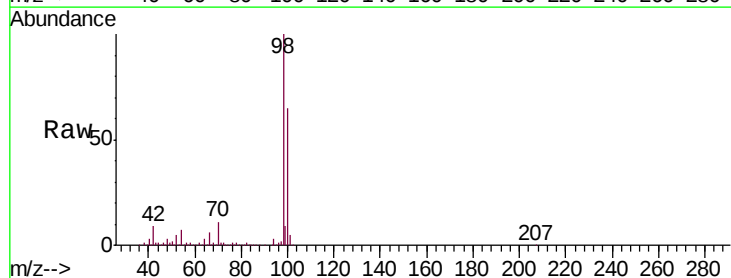
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBSD01

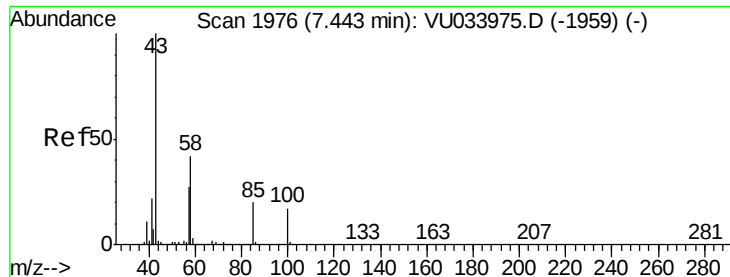
Tgt Ion: 88 Resp: 37400
 Ion Ratio Lower Upper
 88 100
 43 28.3 0.0 0.0#
 58 69.4 56.6 85.0



#50
 Toluene-d8
 Concen: 50.720 ug/l
 RT: 7.55 min Scan# 2008
 Delta R.T. 0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

Tgt Ion: 98 Resp: 632756
 Ion Ratio Lower Upper
 98 100
 100 65.1 51.5 77.3

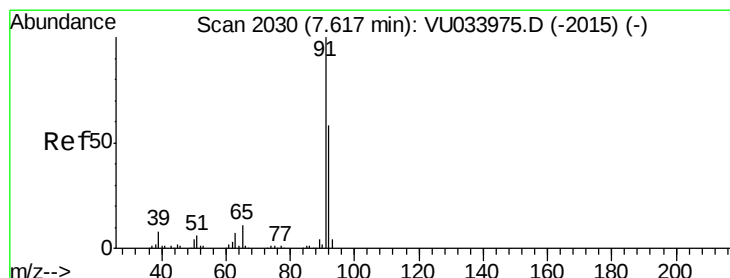
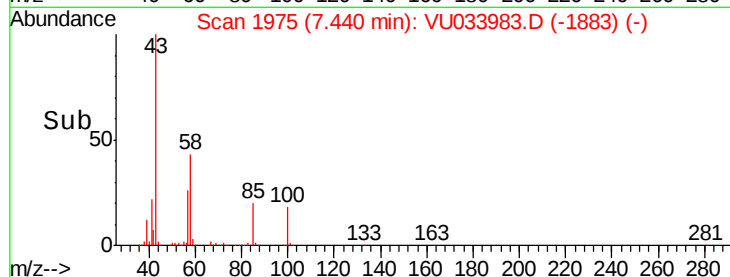
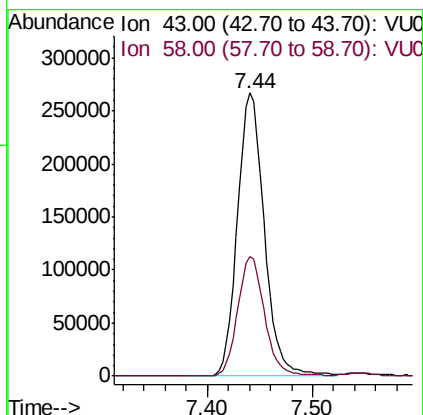
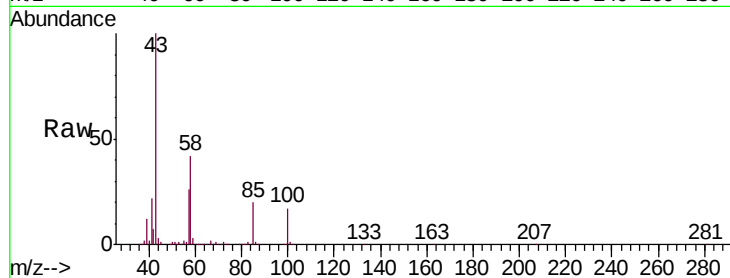




#51
 4-Methyl-2-Pentanone
 Concen: 96.384 ug/l
 RT: 7.44 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

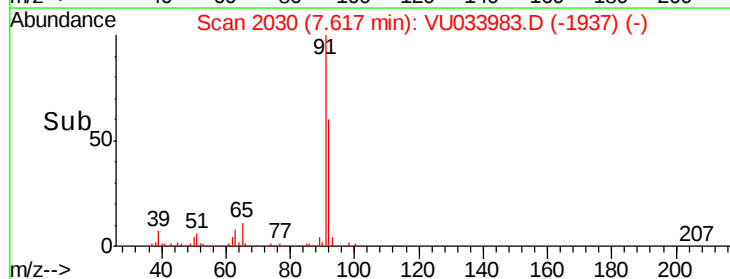
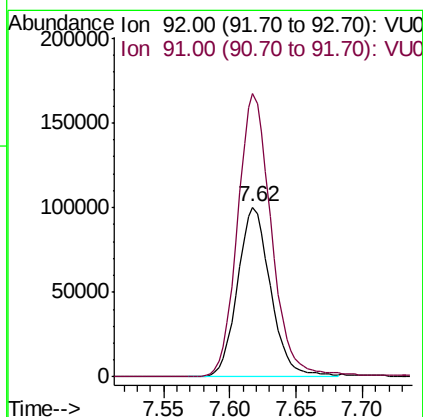
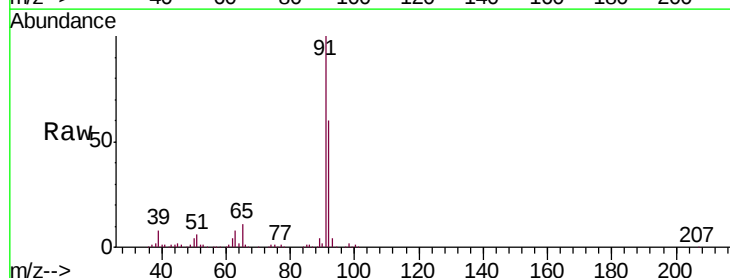
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBSD01

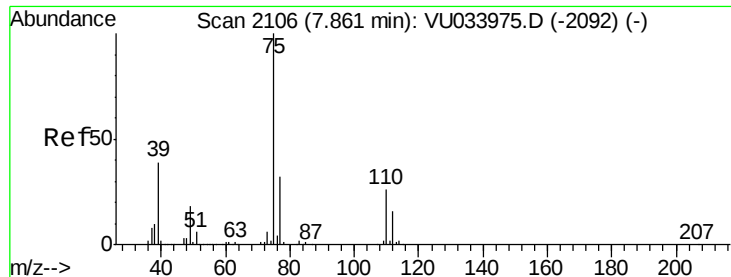
Tgt Ion: 43 Resp: 470996
 Ion Ratio Lower Upper
 43 100
 58 42.4 33.6 50.4



#52
 Toluene
 Concen: 20.189 ug/l
 RT: 7.62 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

Tgt Ion: 92 Resp: 174437
 Ion Ratio Lower Upper
 92 100
 91 171.5 138.8 208.2

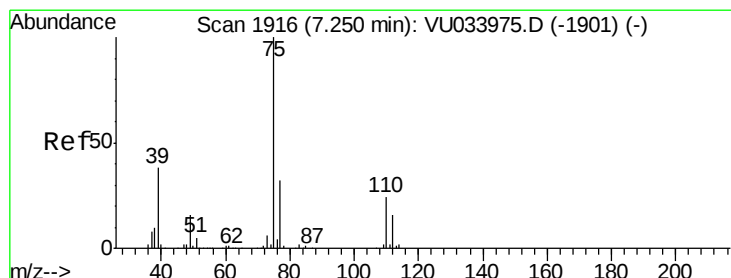
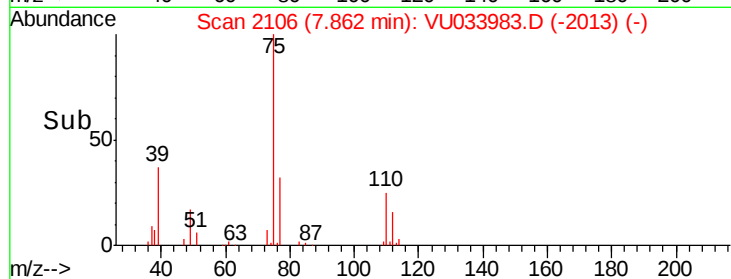
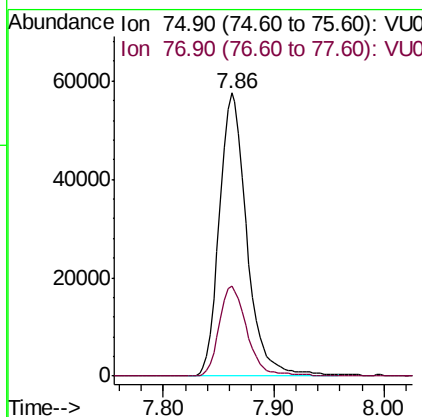
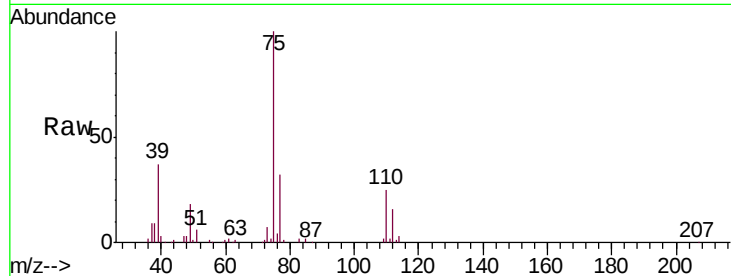




#53
 t-1,3-Dichloropropene
 Concen: 18.936 ug/l
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

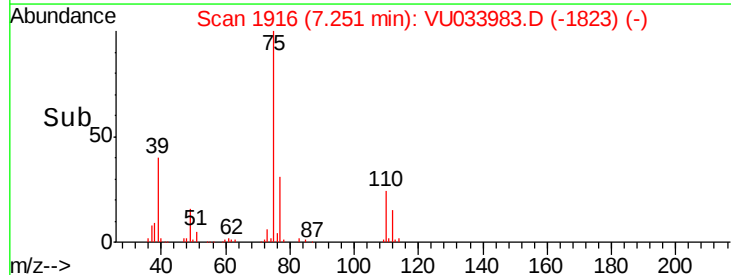
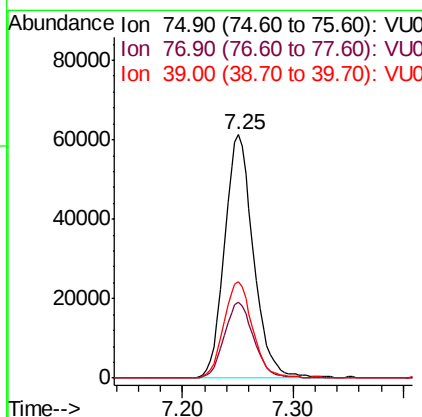
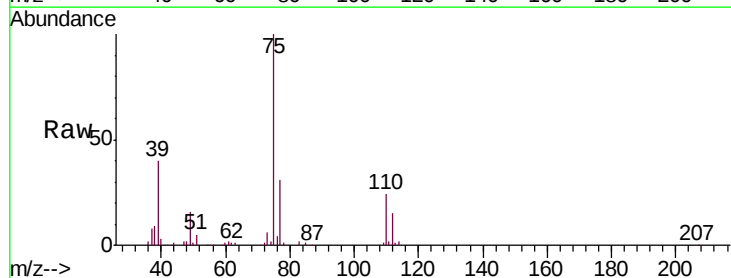
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBSD01

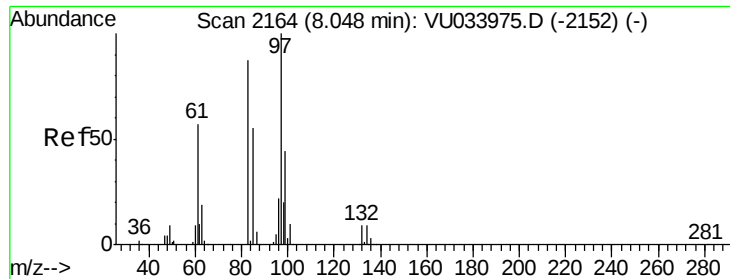
Tgt Ion: 75 Resp: 99436
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 19.604 ug/l
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

Tgt Ion: 75 Resp: 111277
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.6 38.4
 39 39.6 30.7 46.1





#55

1,1,2-Trichloroethane

Concen: 18.996 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBSD01

Tgt Ion: 97 Resp: 69351

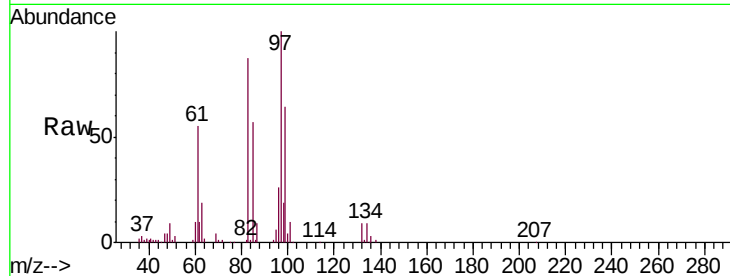
Ion Ratio Lower Upper

97 100

83 87.6 69.8 104.6

85 56.5 45.2 67.8

99 64.2 52.2 78.4

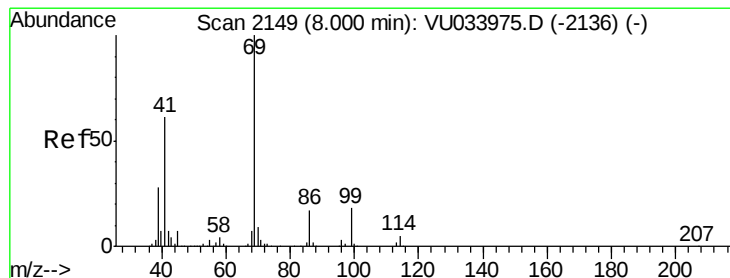
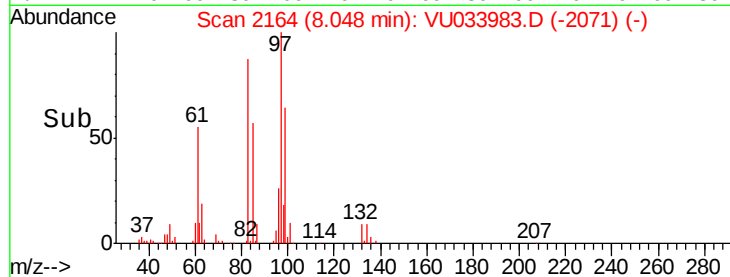
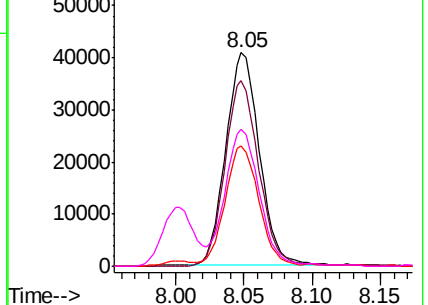


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56

Ethyl methacrylate

Concen: 19.496 ug/l

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

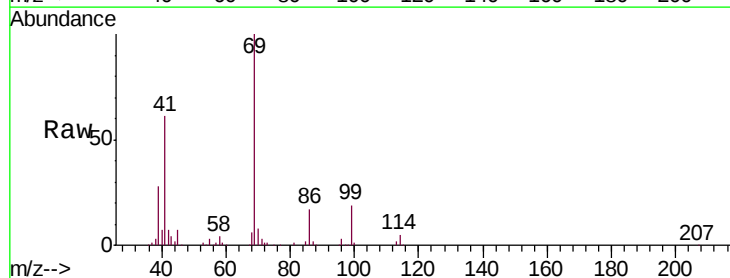
Tgt Ion: 69 Resp: 102909

Ion Ratio Lower Upper

69 100

41 59.4 48.6 72.8

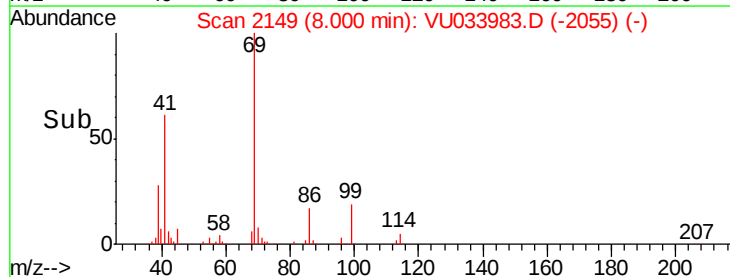
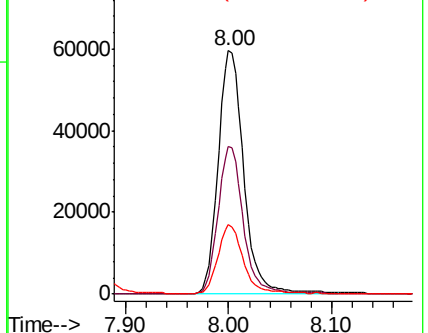
39 27.7 22.4 33.6

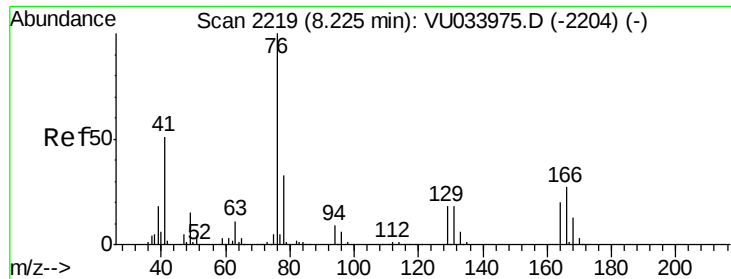


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

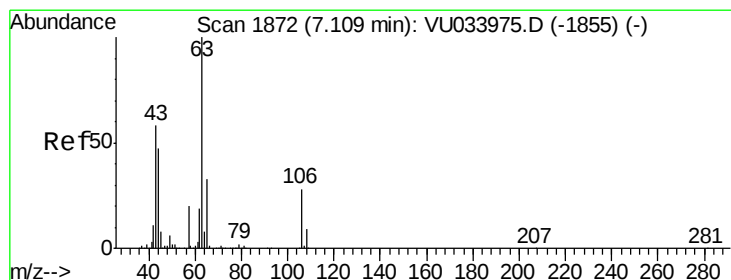
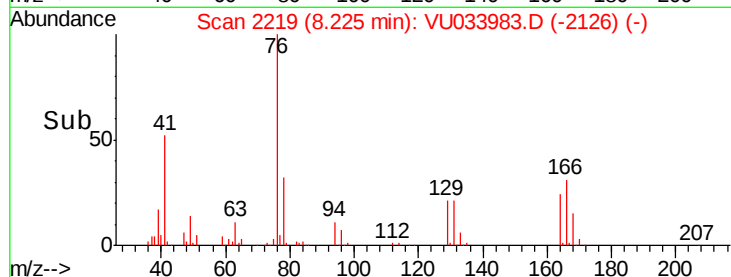
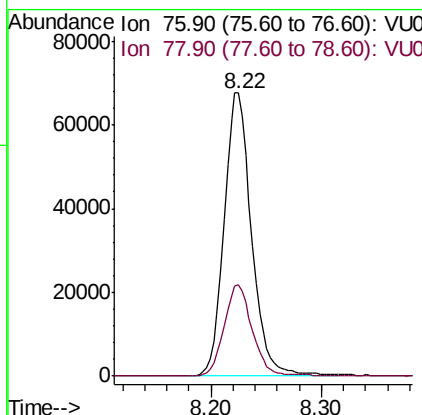
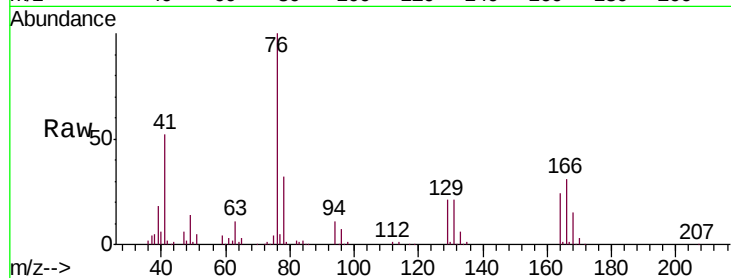




#57
 1,3-Dichloropropane
 Concen: 19.584 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

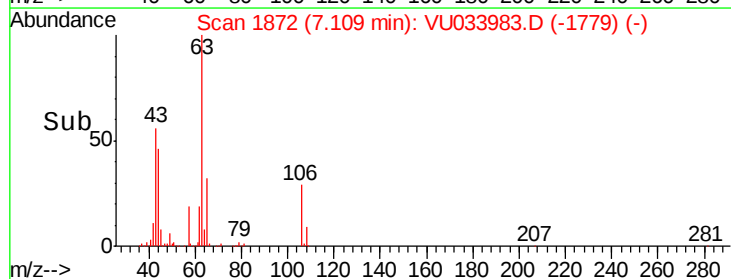
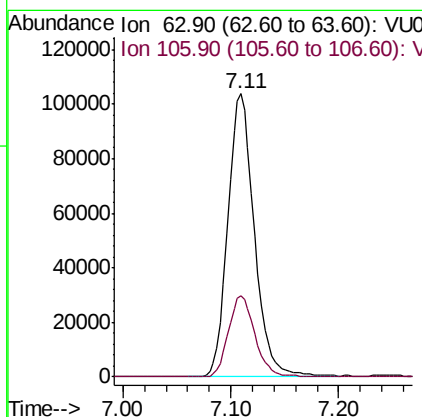
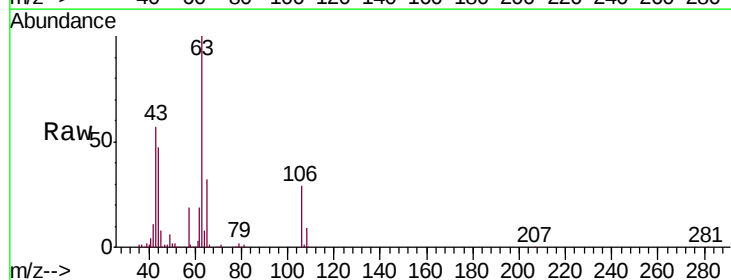
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBSD01

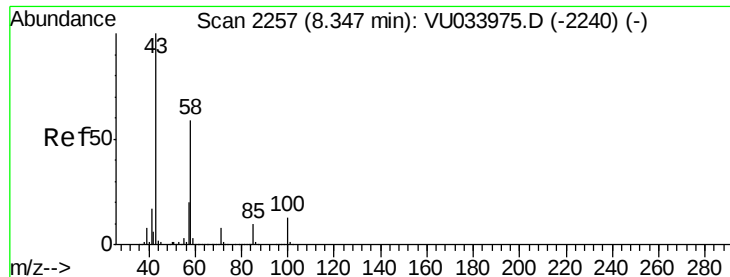
Tgt Ion: 76 Resp: 116517
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.982 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

Tgt Ion: 63 Resp: 178005
 Ion Ratio Lower Upper
 63 100
 106 28.9 22.4 33.6

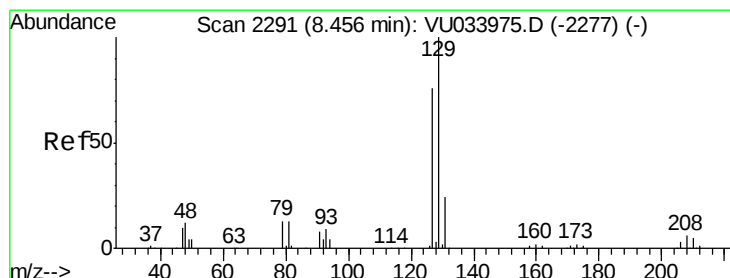
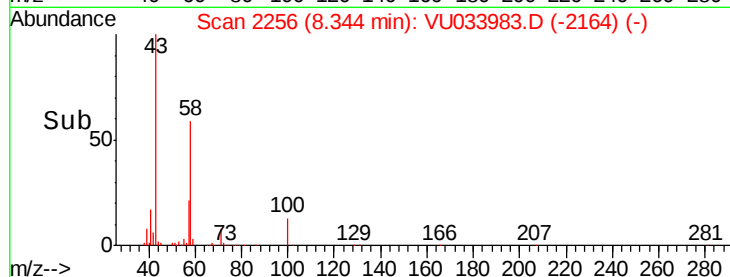
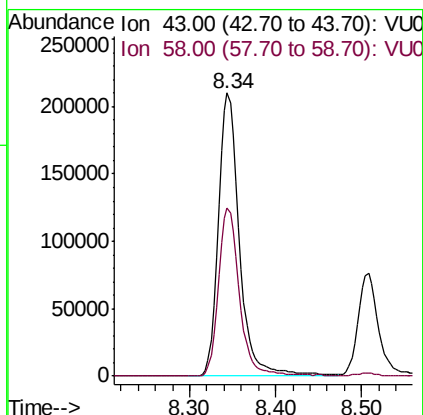
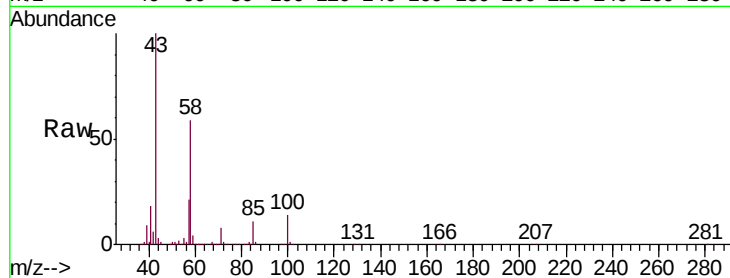




#59
2-Hexanone
Concen: 95.511 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

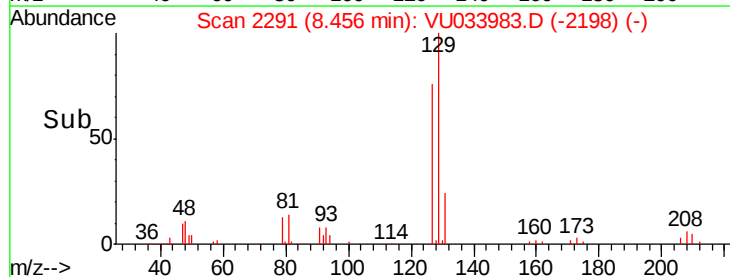
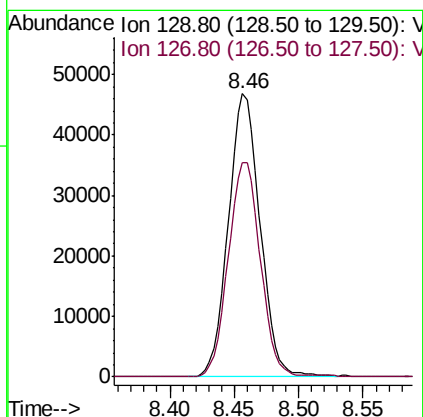
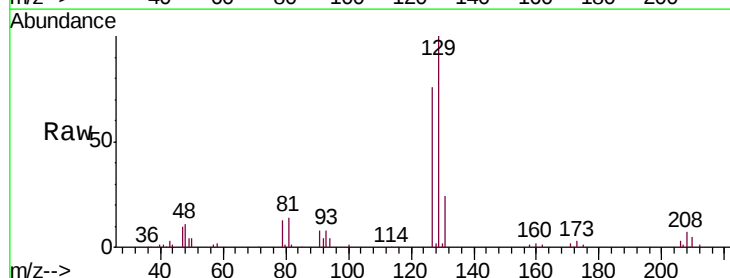
Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD01

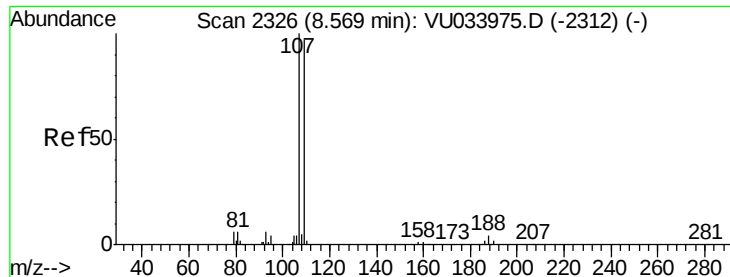
Tgt Ion: 43 Resp: 358747
Ion Ratio Lower Upper
43 100
58 59.2 29.5 88.6



#60
Dibromochloromethane
Concen: 19.517 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Tgt Ion: 129 Resp: 80125
Ion Ratio Lower Upper
129 100
127 76.9 38.8 116.4





#61

1,2-Dibromoethane

Concen: 19.777 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

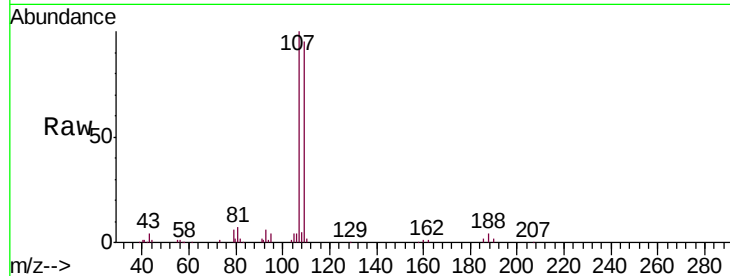
VU0828WBSD01

Tgt Ion:107 Resp: 76252

Ion Ratio Lower Upper

107 100

109 93.4 75.7 113.5

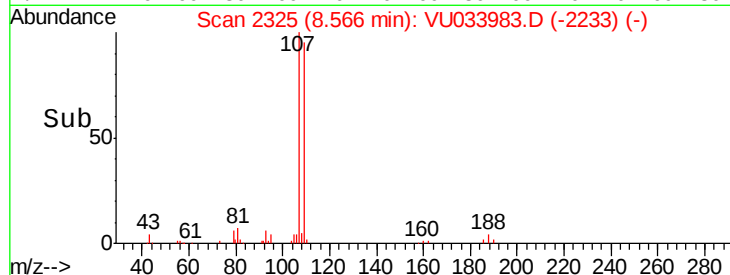


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.57

Time-->



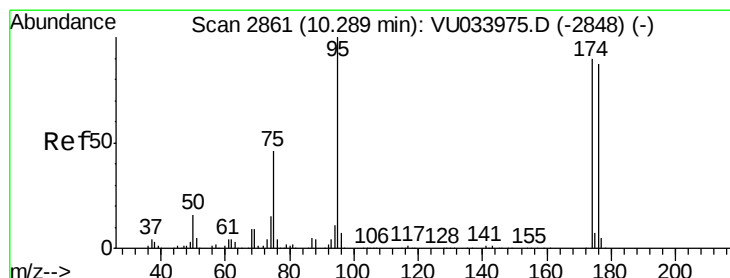
Abundance

Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.57

Time-->



#62

4-Bromofluorobenzene

Concen: 47.190 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

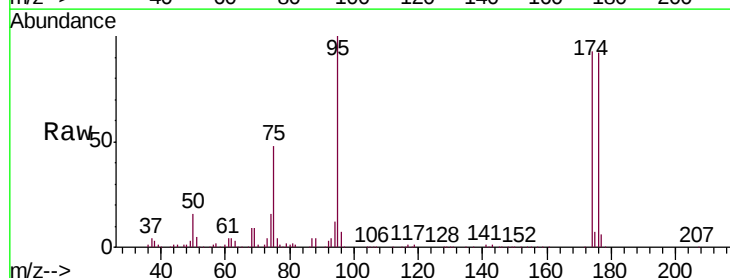
Tgt Ion: 95 Resp: 225828

Ion Ratio Lower Upper

95 100

174 92.9 0.0 183.8

176 90.3 0.0 176.4



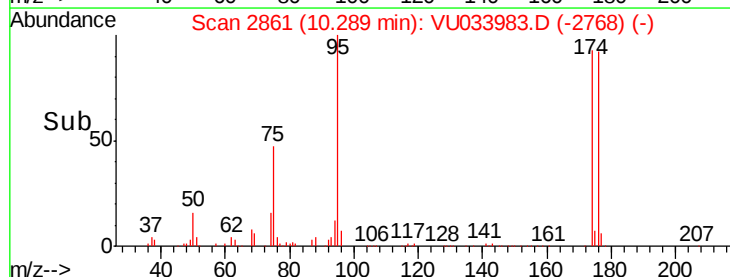
Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.29

Time-->



Abundance

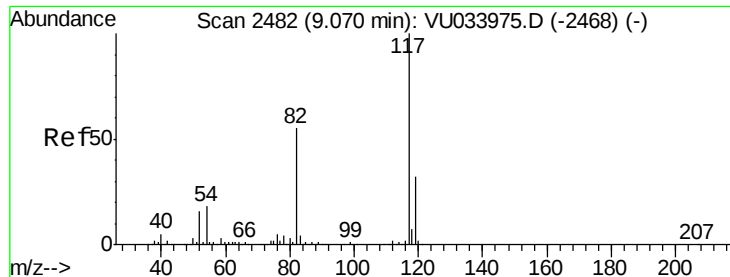
Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.29

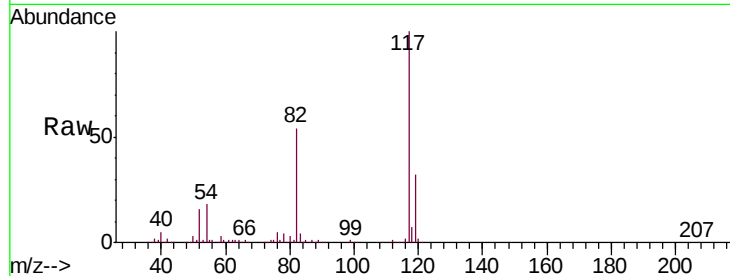
Time-->



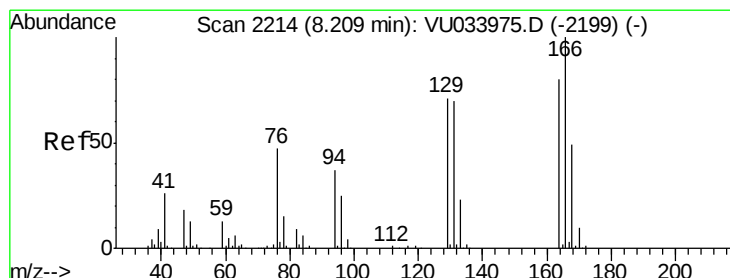
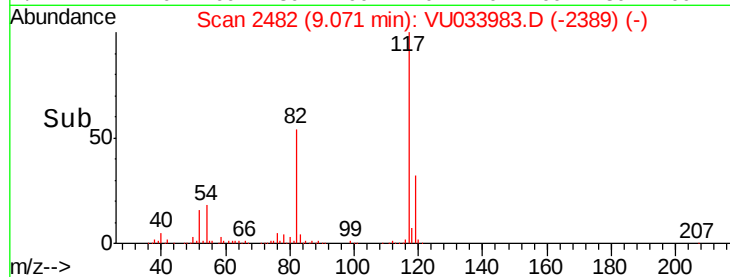
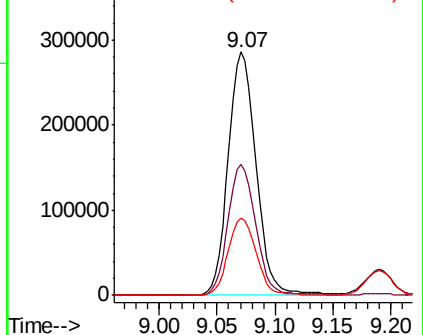
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD01

Tgt Ion:117 Resp: 477898
Ion Ratio Lower Upper
117 100
82 53.9 43.8 65.8
119 31.9 25.7 38.5

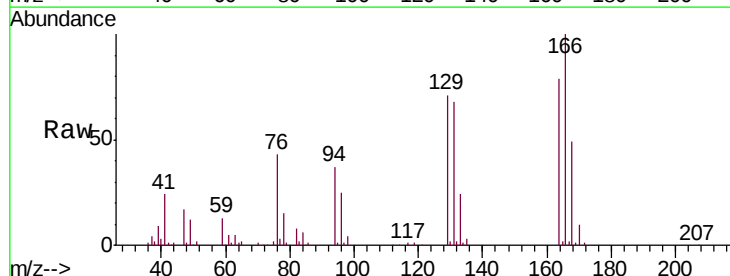


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

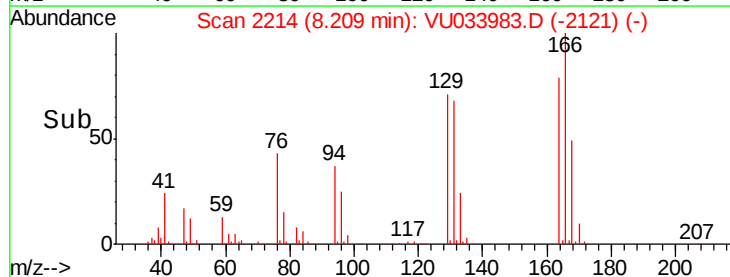
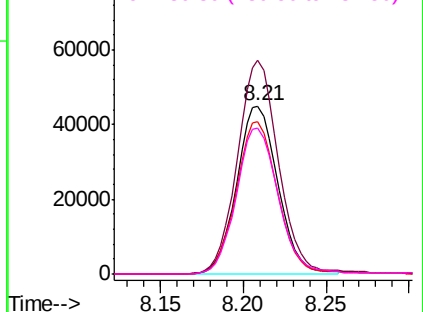


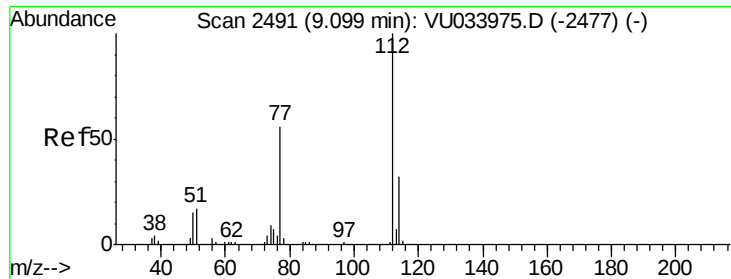
#64
Tetrachloroethene
Concen: 20.256 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Tgt Ion:164 Resp: 77832
Ion Ratio Lower Upper
164 100
166 127.0 99.5 149.3
129 90.4 70.9 106.3
131 86.6 69.4 104.2



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





#65

Chlorobenzene

Concen: 19.867 ug/l

RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

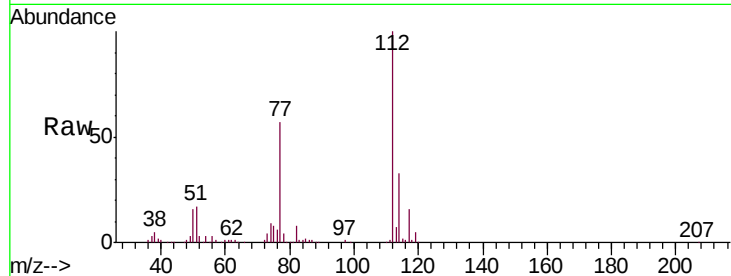
VU0828WBSD01

Tgt Ion:112 Resp: 195508

Ion Ratio Lower Upper

112 100

114 32.8 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

9.10

120000

100000

80000

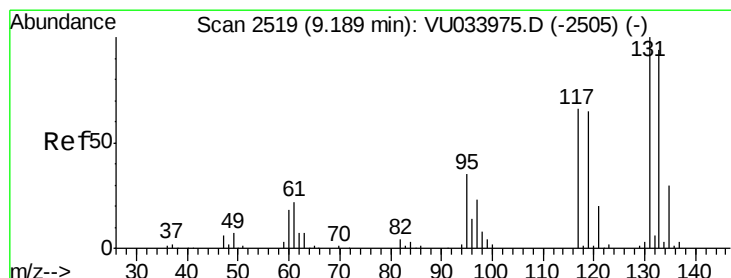
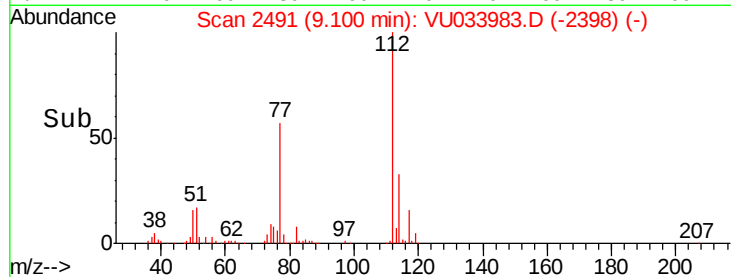
60000

40000

20000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.528 ug/l

RT: 9.19 min Scan# 2519

Delta R.T. 0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

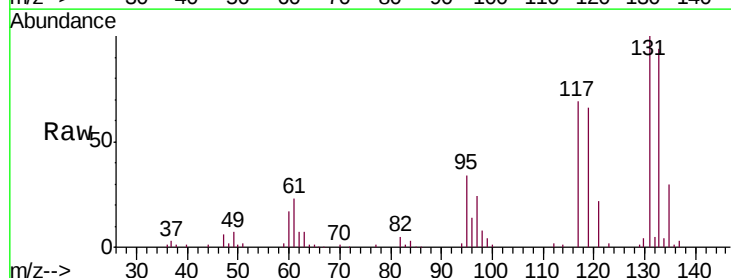
Tgt Ion:131 Resp: 71649

Ion Ratio Lower Upper

131 100

133 95.4 47.6 142.9

119 67.4 33.0 98.9



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

9.19

60000

50000

40000

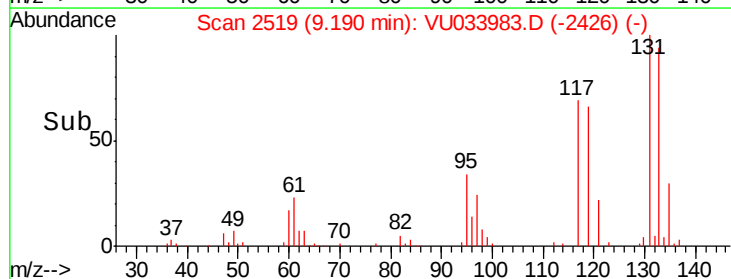
30000

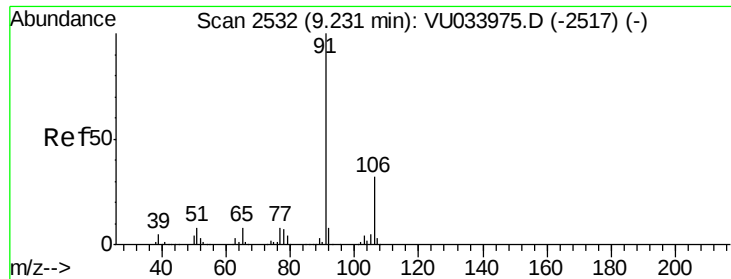
20000

10000

0

Time-->

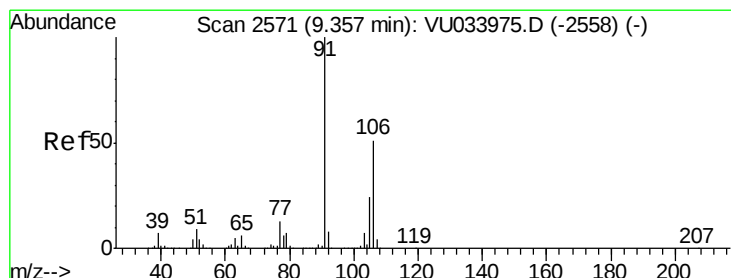
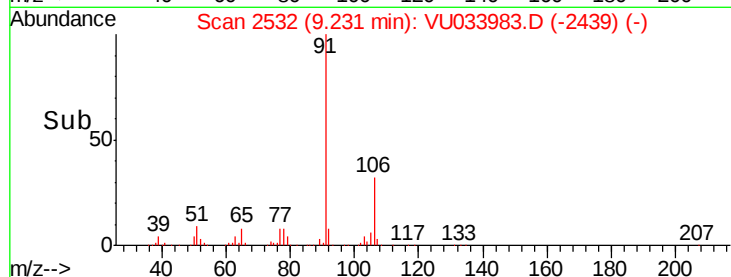
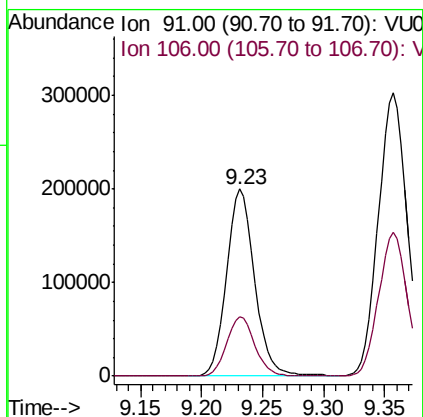
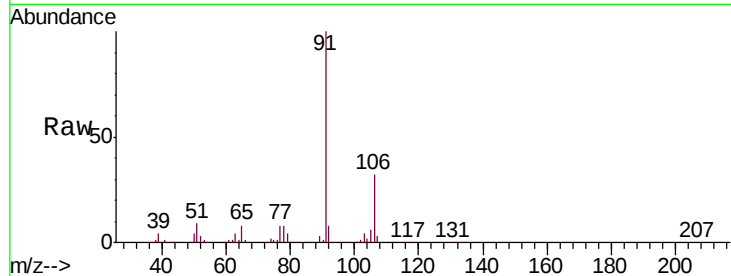




#67
 Ethyl Benzene
 Concen: 19.691 ug/l
 RT: 9.23 min Scan# 2532
 Delta R.T. 0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

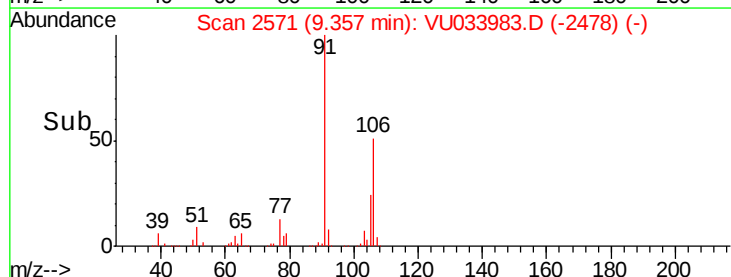
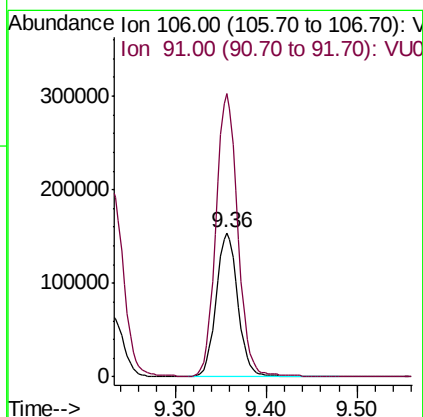
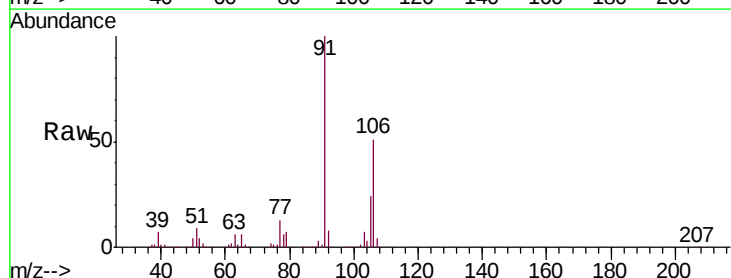
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBSD01

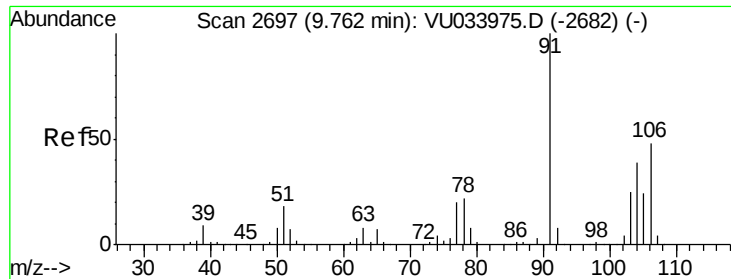
Tgt Ion: 91 Resp: 323090
 Ion Ratio Lower Upper
 91 100
 106 31.8 25.4 38.0



#68
 m/p-Xylenes
 Concen: 40.191 ug/l
 RT: 9.36 min Scan# 2571
 Delta R.T. 0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

Tgt Ion: 106 Resp: 254328
 Ion Ratio Lower Upper
 106 100
 91 198.1 158.4 237.6

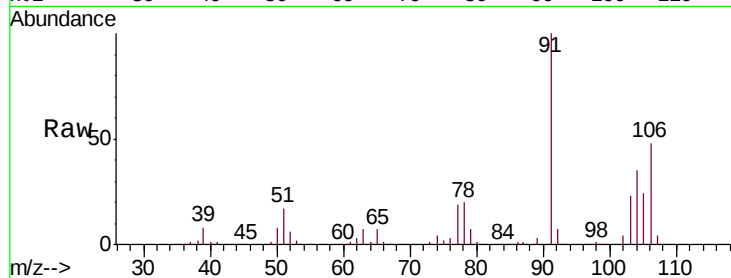




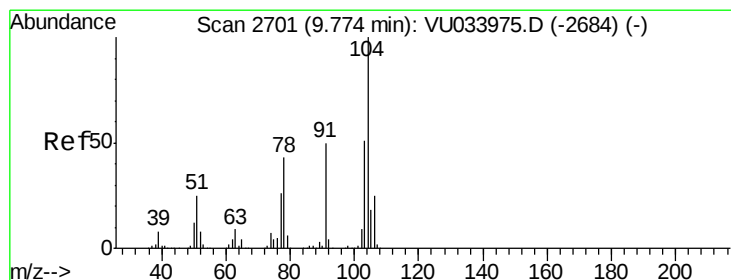
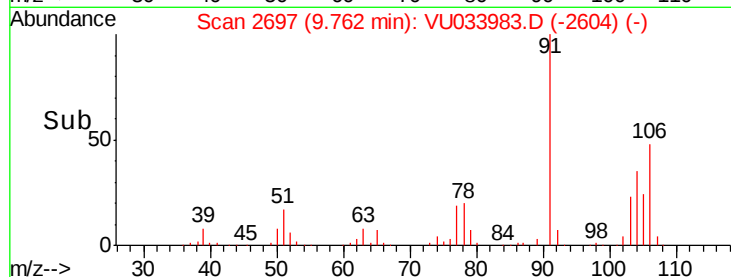
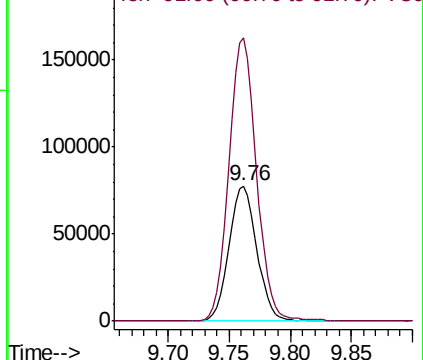
#69
o-Xylene
Concen: 20.546 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD01

Tgt Ion:106 Resp: 124297
Ion Ratio Lower Upper
106 100
91 207.2 104.5 313.3

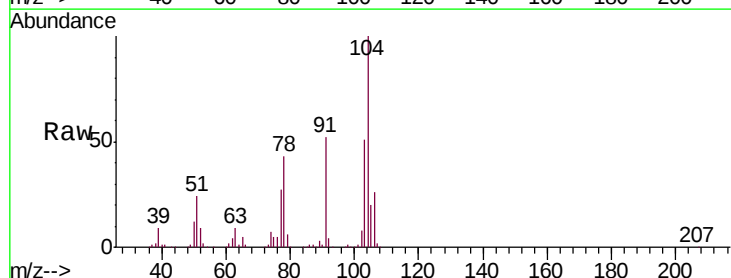


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

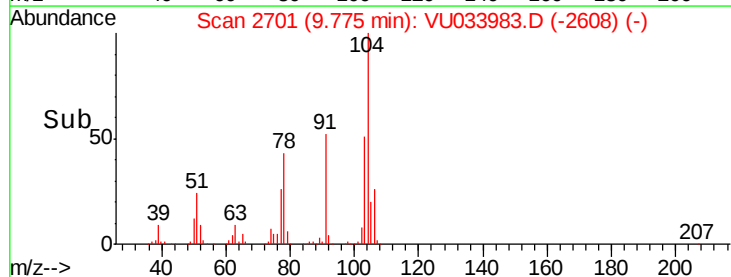
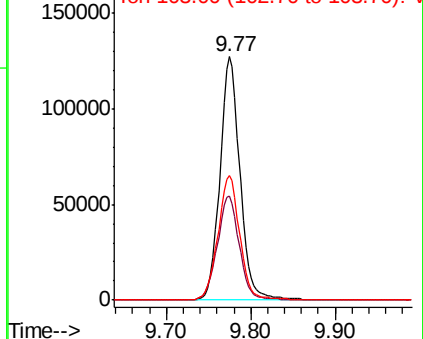


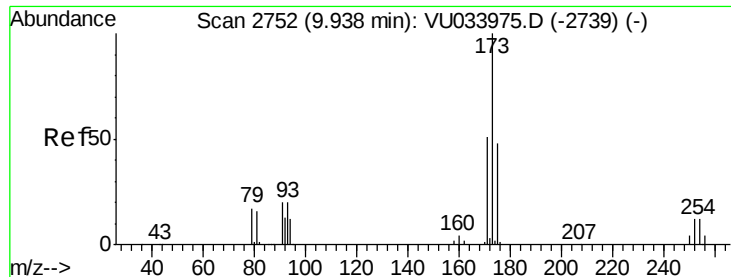
#70
Styrene
Concen: 20.388 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Tgt Ion:104 Resp: 211104
Ion Ratio Lower Upper
104 100
78 46.8 37.5 56.3
103 55.6 43.9 65.9



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





#71

Bromoform

Concen: 19.775 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBSD01

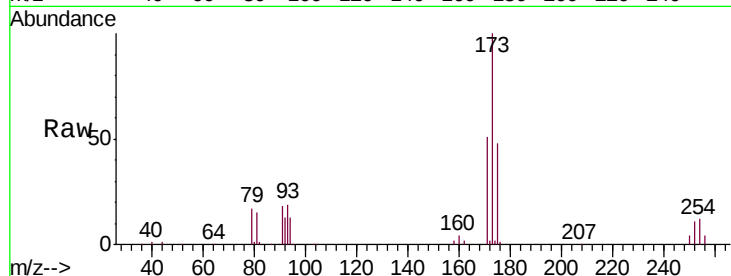
Tgt Ion:173 Resp: 64225

Ion Ratio Lower Upper

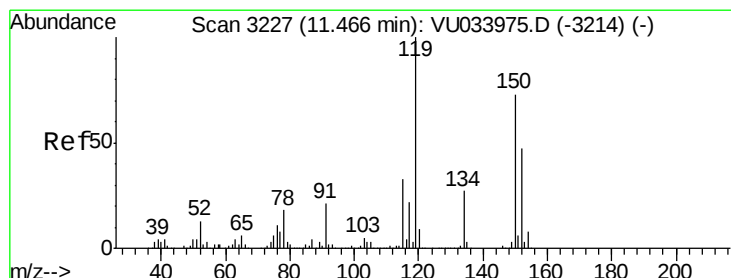
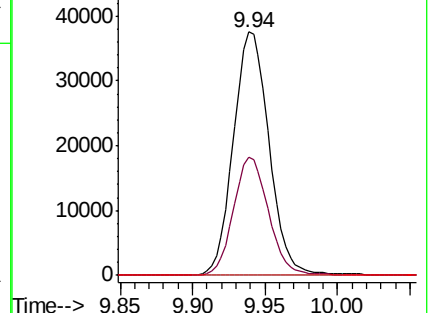
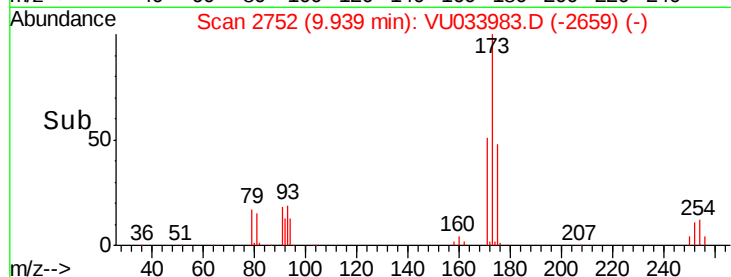
173 100

175 47.6 24.3 72.9

254 0.0 0.1 0.1#



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: VU033983.D

Acq: 27 Aug 2019 19:29

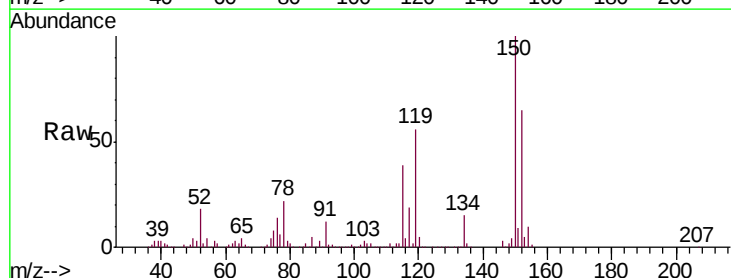
Tgt Ion:152 Resp: 254318

Ion Ratio Lower Upper

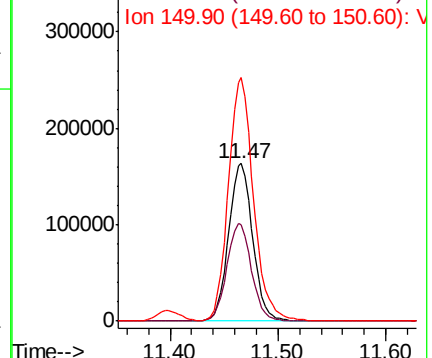
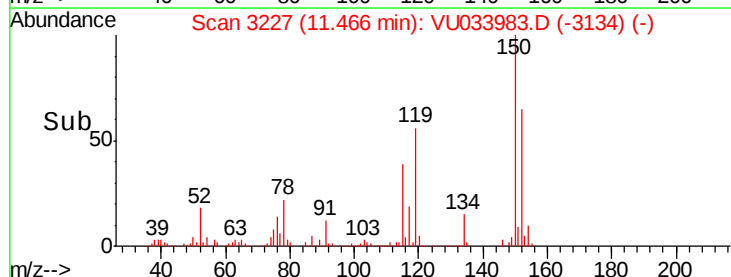
152 100

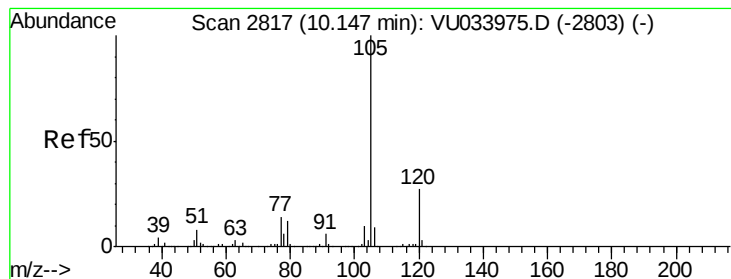
115 63.1 38.6 115.7

150 160.2 0.0 343.8



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: 20.188 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

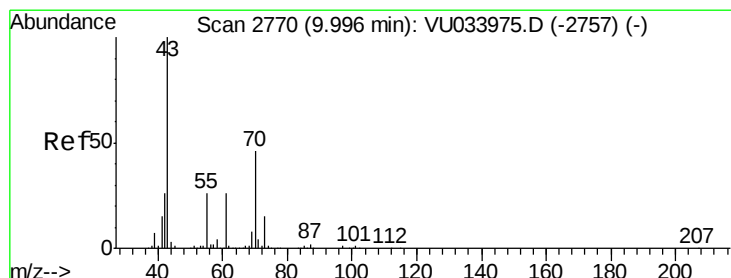
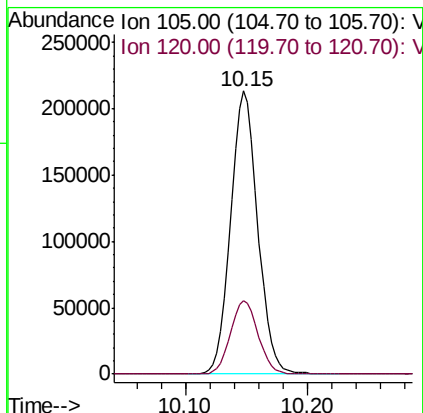
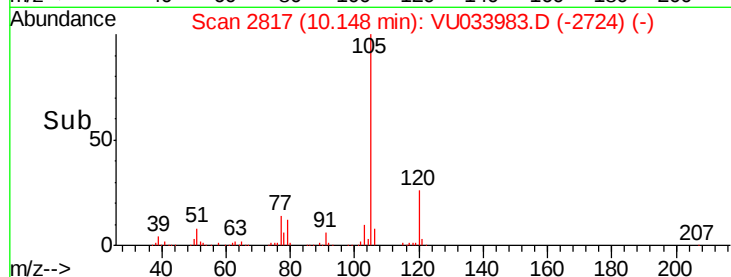
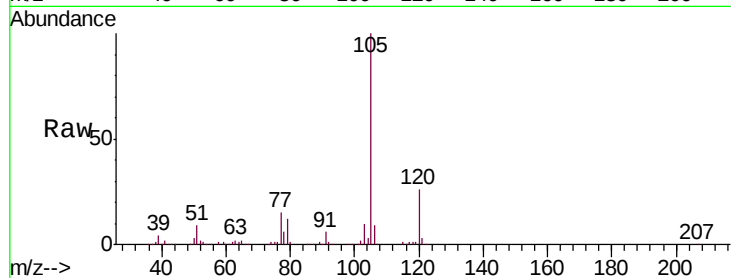
VU0828WBSD01

Tgt Ion: 105 Resp: 330432

Ion Ratio Lower Upper

105 100

120 26.5 13.5 40.5



#74

N-ethyl acetate

Concen: 19.686 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

Tgt Ion: 43 Resp: 120952

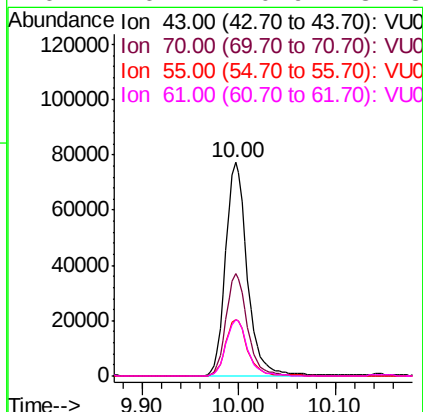
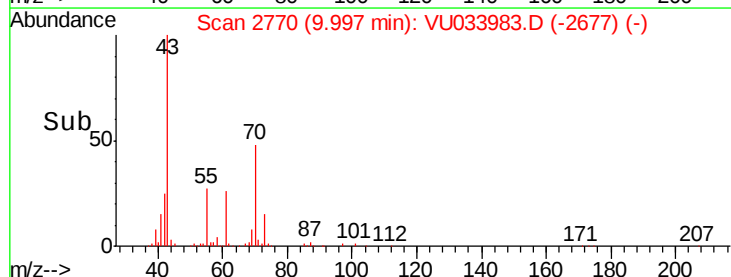
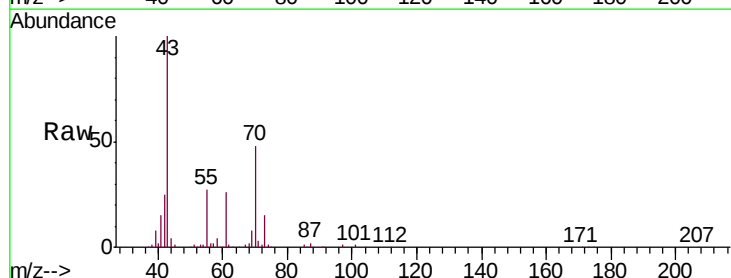
Ion Ratio Lower Upper

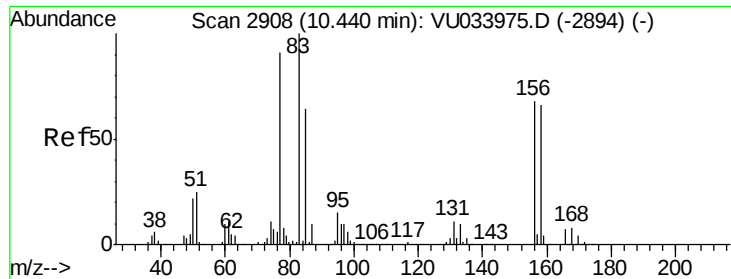
43 100

70 47.2 37.4 56.0

55 26.5 21.0 31.4

61 26.1 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 19.366 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBSD01

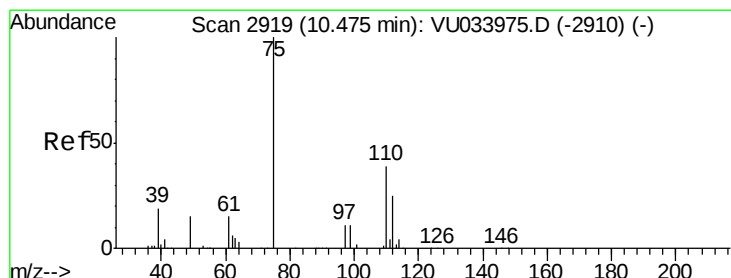
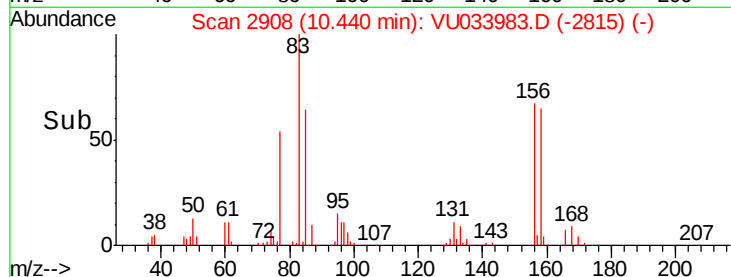
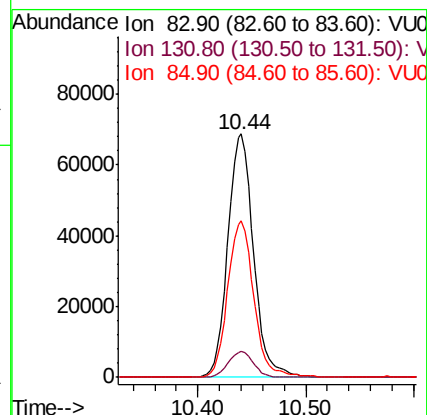
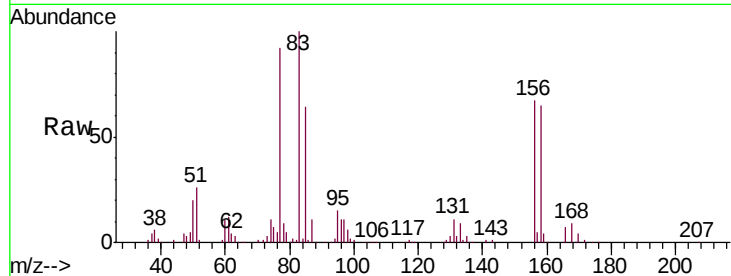
Tgt Ion: 83 Resp: 114165

Ion Ratio Lower Upper

83 100

131 10.4 5.3 16.1

85 65.3 32.0 96.0



#76

1,2,3-Trichloropropane

Concen: 24.925 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU033983.D

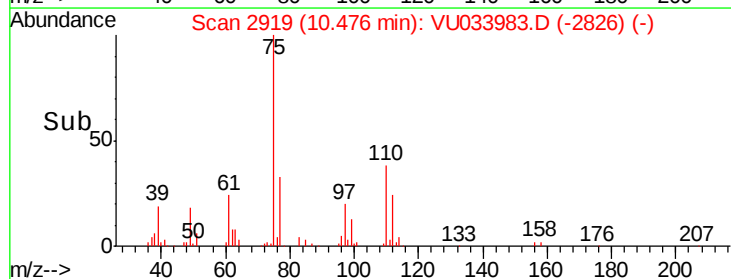
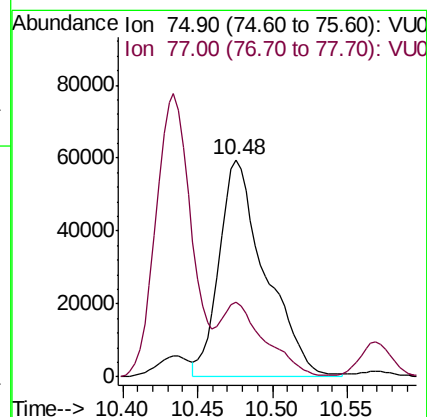
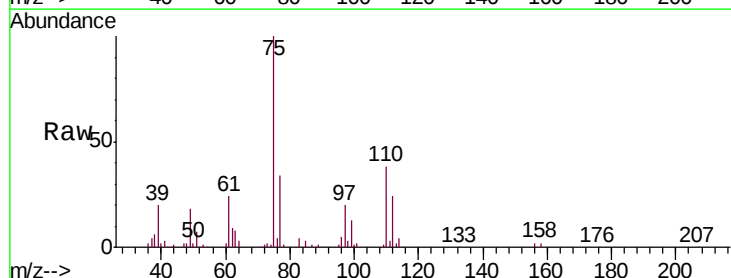
Acq: 27 Aug 2019 19:29

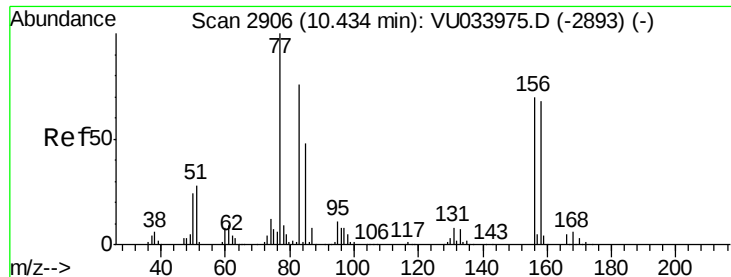
Tgt Ion: 75 Resp: 126302

Ion Ratio Lower Upper

75 100

77 31.8 21.0 63.0





#77

Bromobenzene

Concen: 19.406 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

VU0828WBSD01

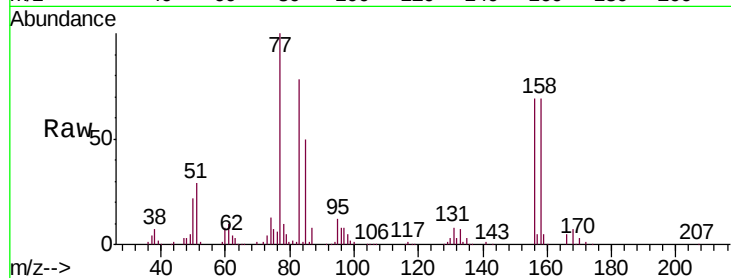
Tgt Ion:156 Resp: 89757

Ion Ratio Lower Upper

156 100

77 142.5 70.3 211.1

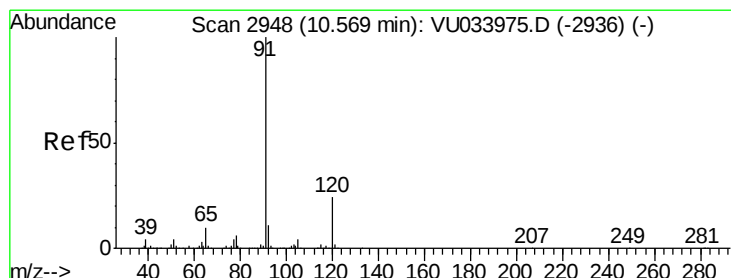
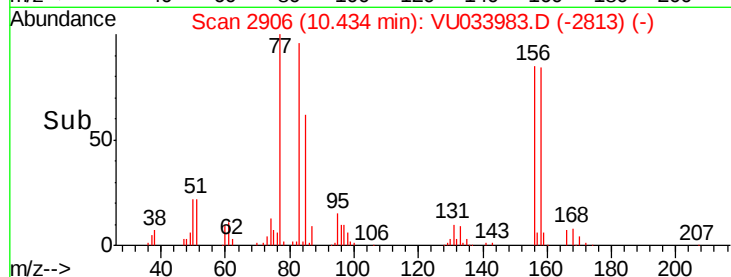
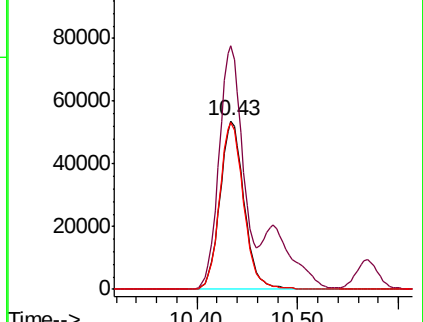
158 98.6 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.960 ug/l

RT: 10.57 min Scan# 2948

Delta R.T. 0.00 min

Lab File: VU033983.D

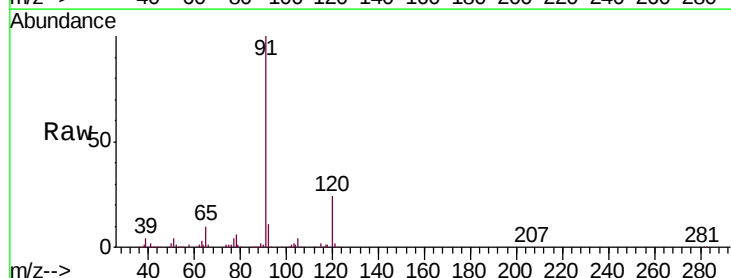
Acq: 27 Aug 2019 19:29

Tgt Ion: 91 Resp: 370499

Ion Ratio Lower Upper

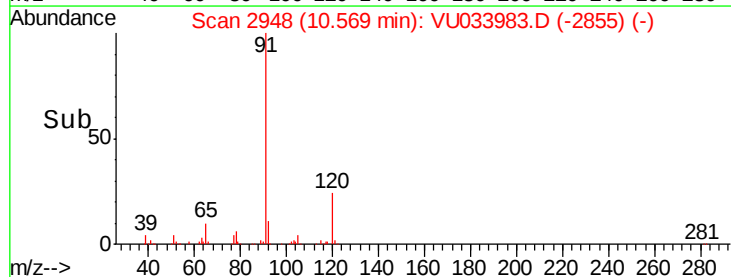
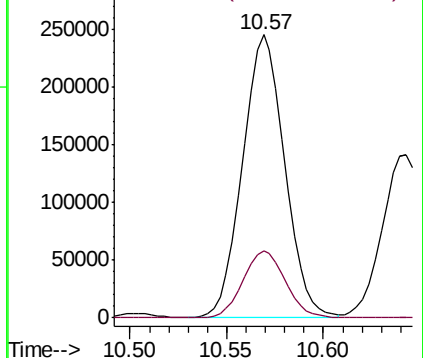
91 100

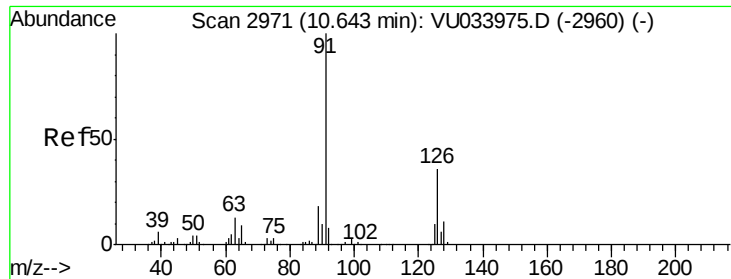
120 24.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.330 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. 0.00 min

Lab File: VU033983.D

Acq: 27 Aug 2019 19:29

Instrument :

MSVOA_U

ClientSampleId :

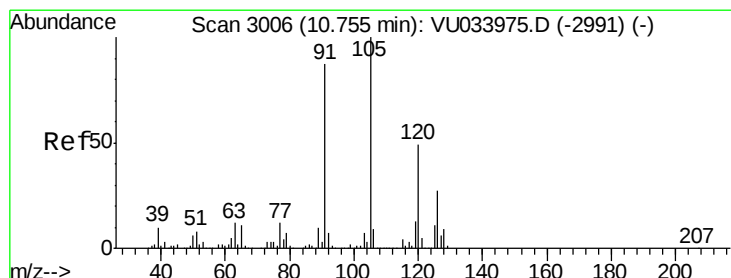
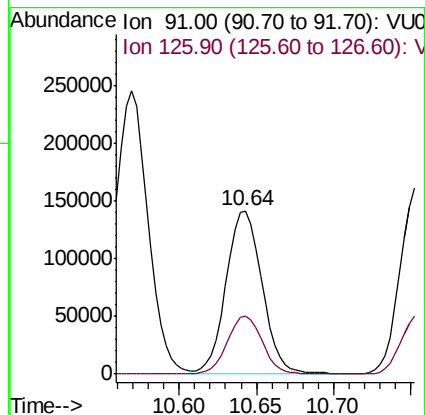
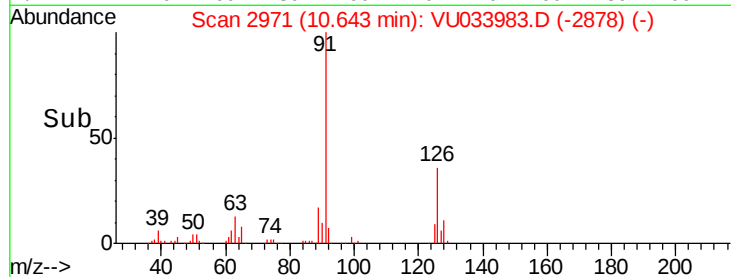
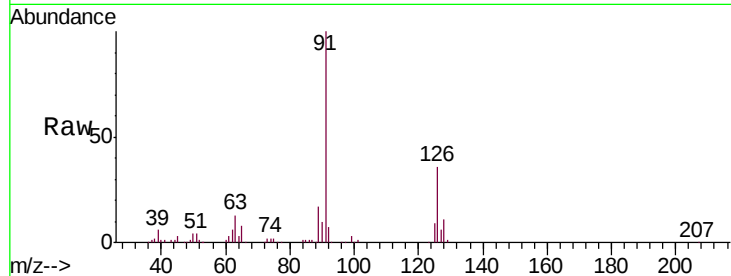
VU0828WBSD01

Tgt Ion: 91 Resp: 227709

Ion Ratio Lower Upper

91 100

126 35.0 17.8 53.5



#80

1,3,5-Trimethylbenzene

Concen: 20.609 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU033983.D

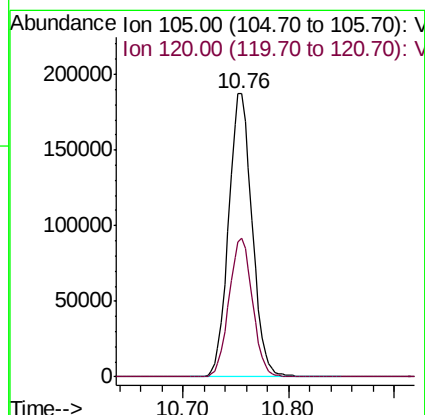
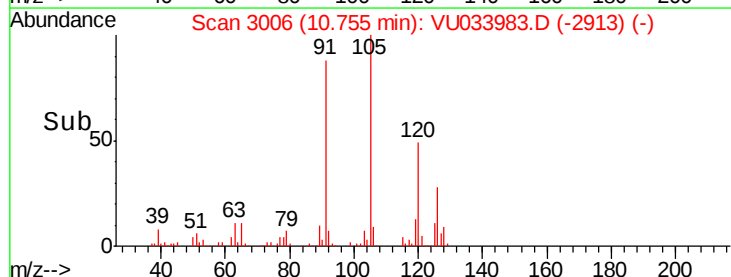
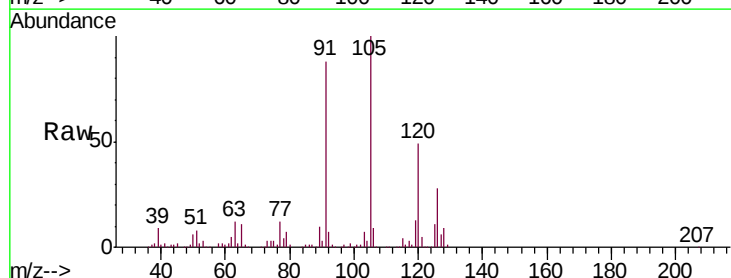
Acq: 27 Aug 2019 19:29

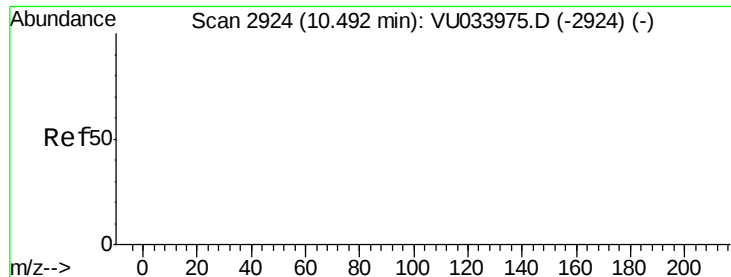
Tgt Ion: 105 Resp: 288897

Ion Ratio Lower Upper

105 100

120 49.0 24.6 73.6

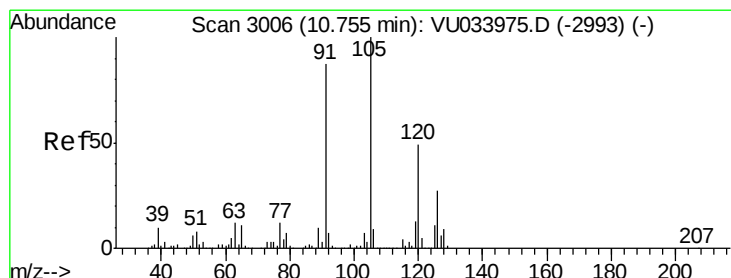
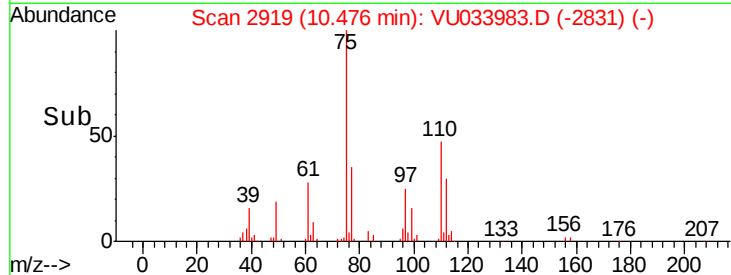
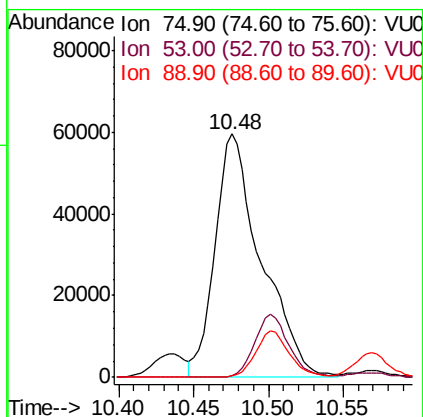
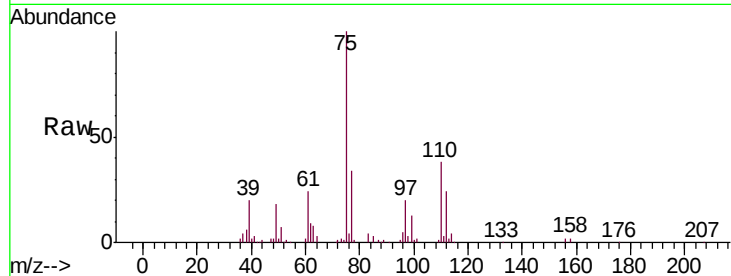




#81
trans-1,4-Dichloro-2-butene
Concen: 71.878 ug/l
RT: 10.48 min Scan# 2919
Delta R.T. -0.02 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

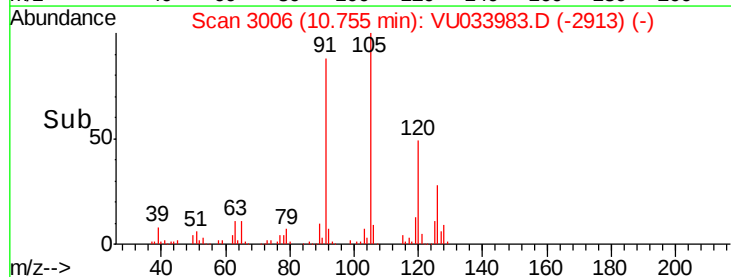
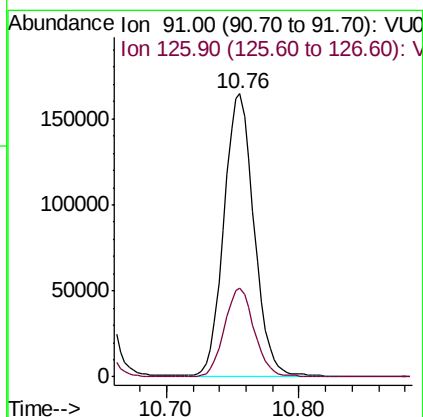
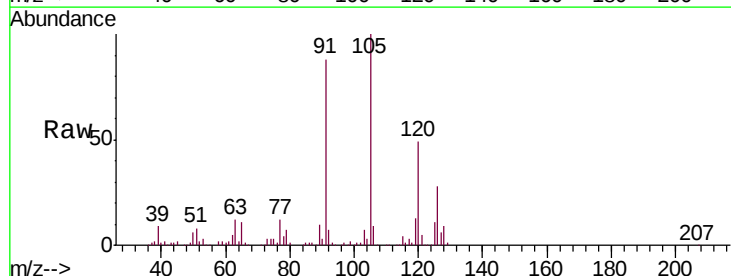
Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD01

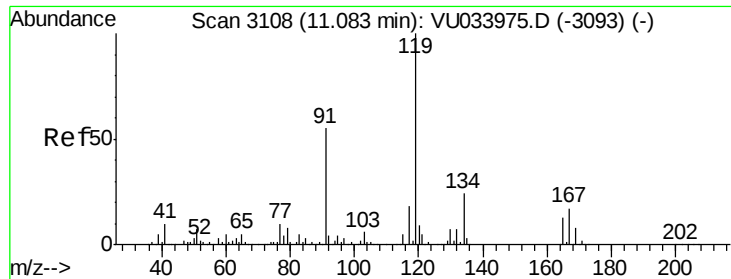
Tgt Ion: 75 Resp: 127163
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 19.892 ug/l
RT: 10.76 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Tgt Ion: 91 Resp: 257924
Ion Ratio Lower Upper
91 100
126 31.2 15.4 46.4

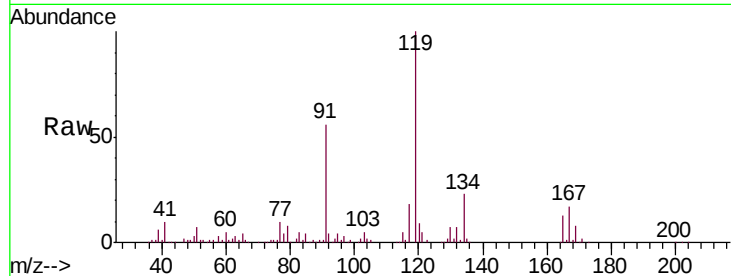




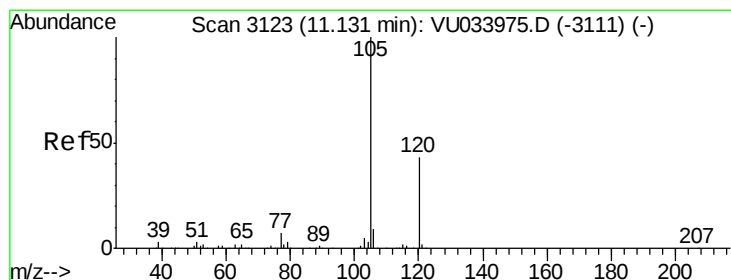
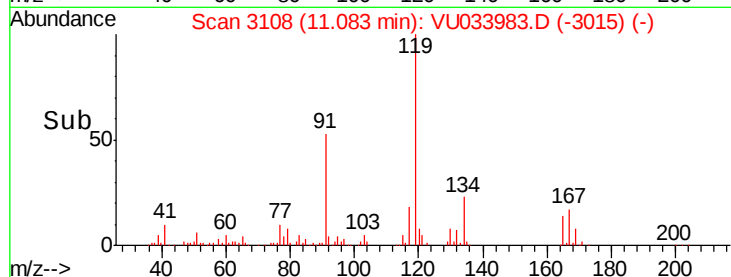
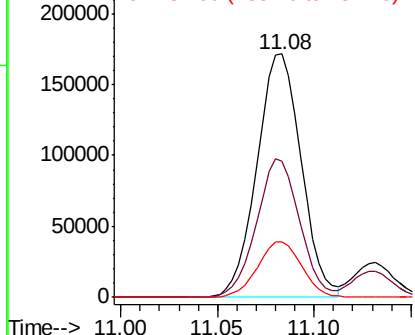
#83
 tert-Butylbenzene
 Concen: 20.088 ug/l
 RT: 11.08 min Scan# 3108
 Delta R.T. 0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBSD01

Tgt Ion:119 Resp: 273353
 Ion Ratio Lower Upper
 119 100
 91 55.2 27.6 82.8
 134 22.8 11.6 34.7

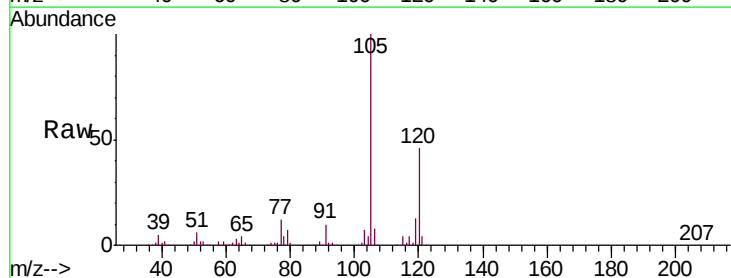


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

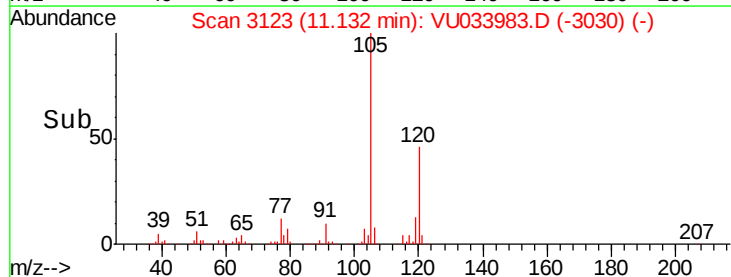
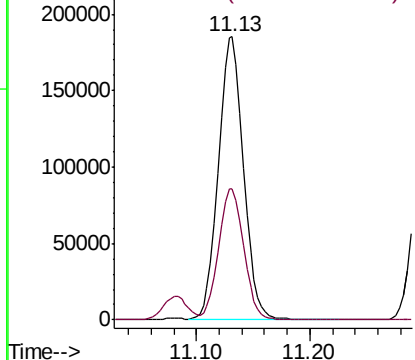


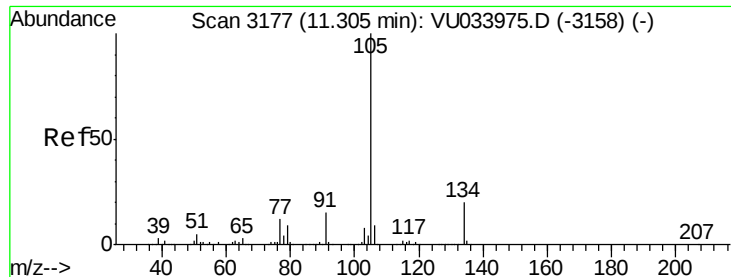
#84
 1,2,4-Trimethylbenzene
 Concen: 20.659 ug/l
 RT: 11.13 min Scan# 3123
 Delta R.T. 0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

Tgt Ion:105 Resp: 284319
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.3 69.9



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

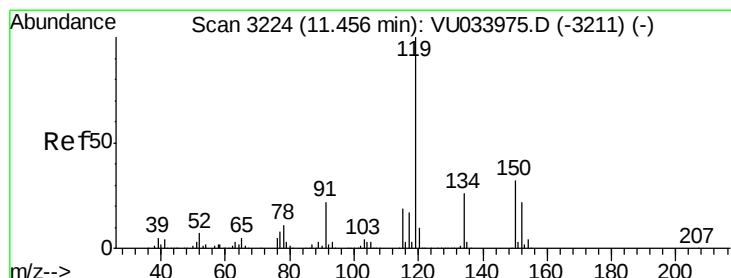
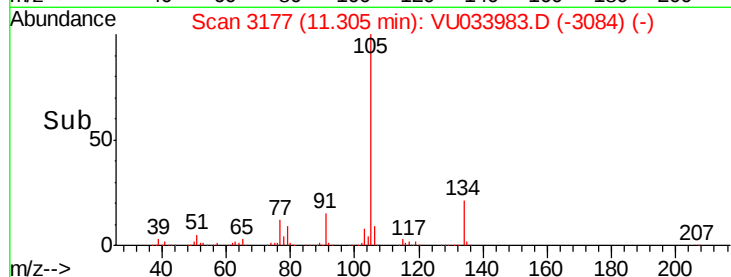
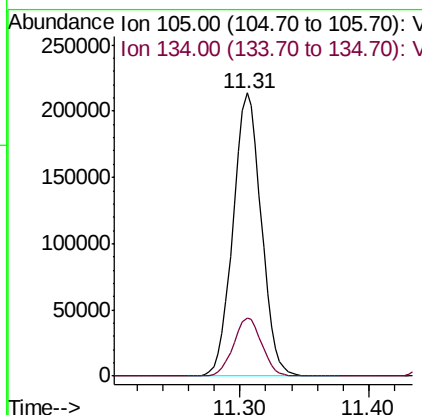
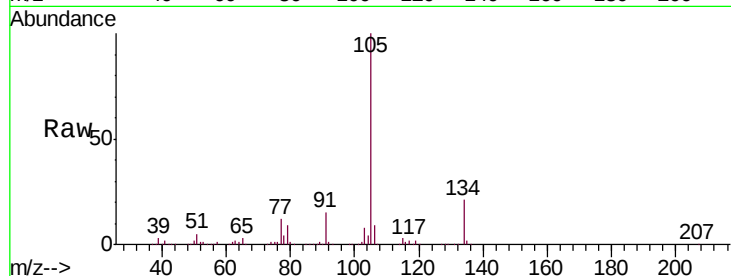




#85
 sec-Butylbenzene
 Concen: 19.911 ug/l
 RT: 11.31 min Scan# 3177
 Delta R.T. 0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

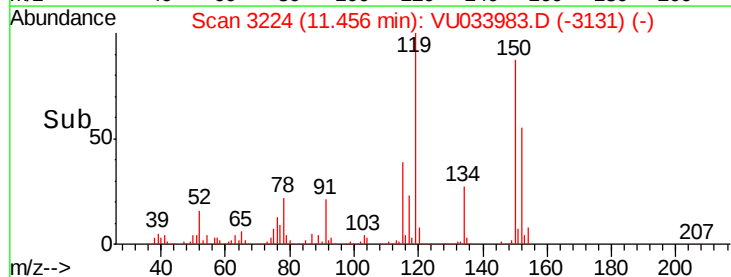
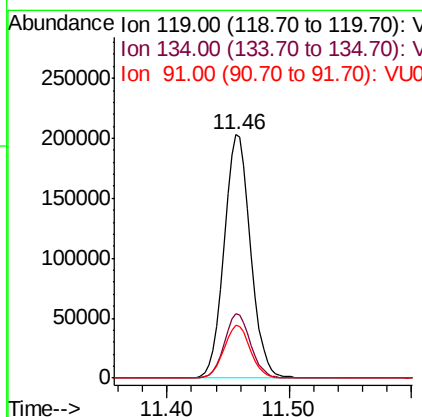
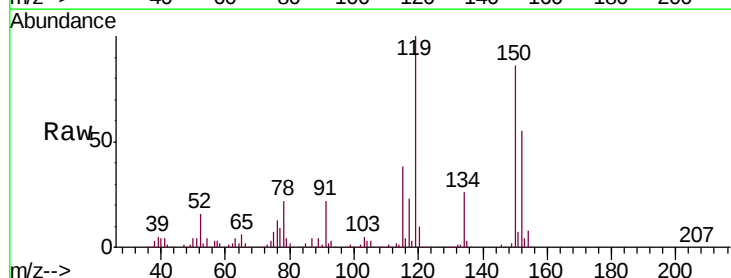
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBSD01

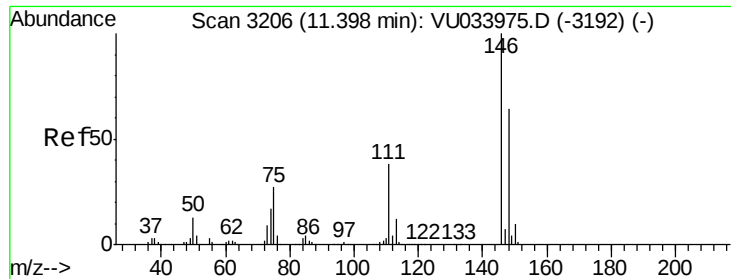
Tgt Ion:105 Resp: 323376
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 20.268 ug/l
 RT: 11.46 min Scan# 3224
 Delta R.T. 0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

Tgt Ion:119 Resp: 308096
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.0 38.9
 91 22.0 10.9 32.9

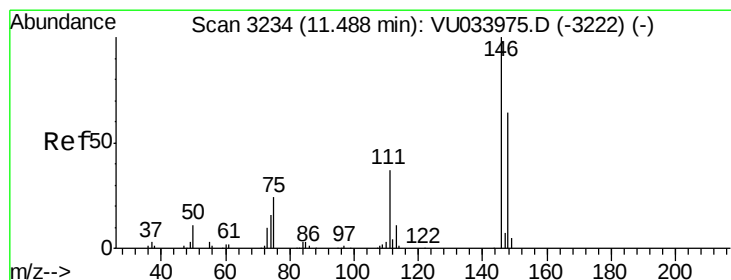
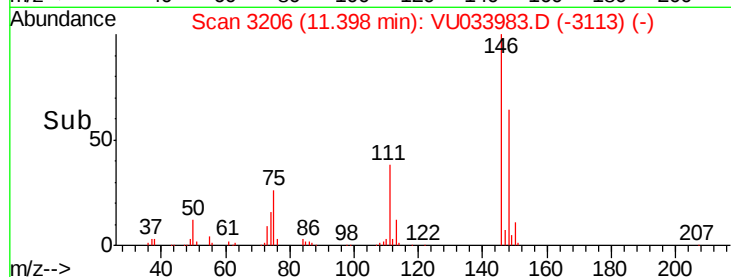
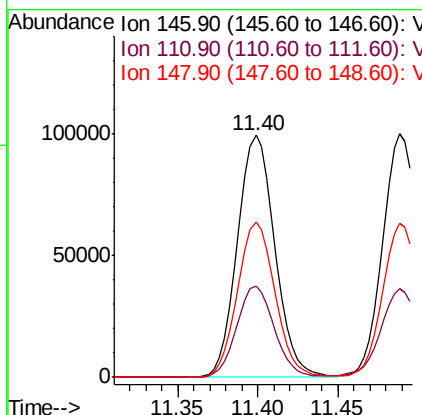
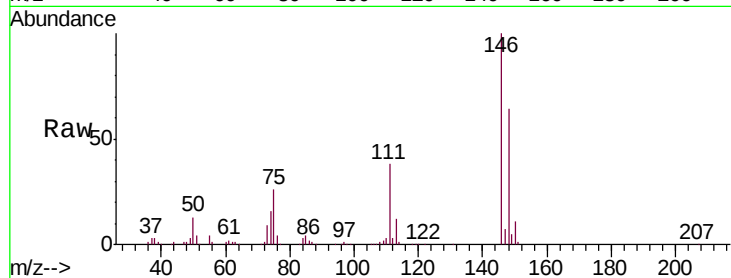




#87
 1,3-Dichlorobenzene
 Concen: 19.361 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

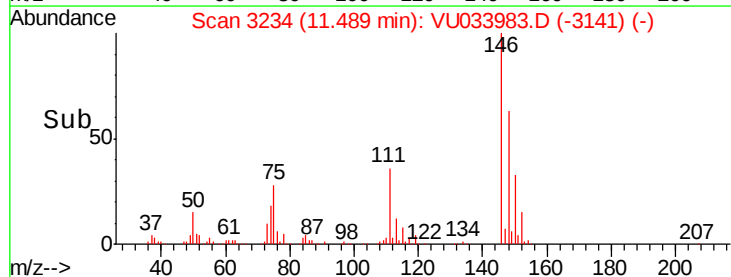
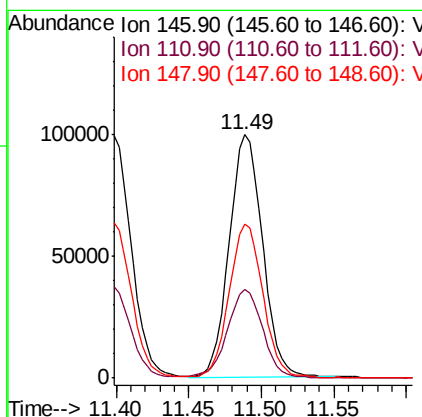
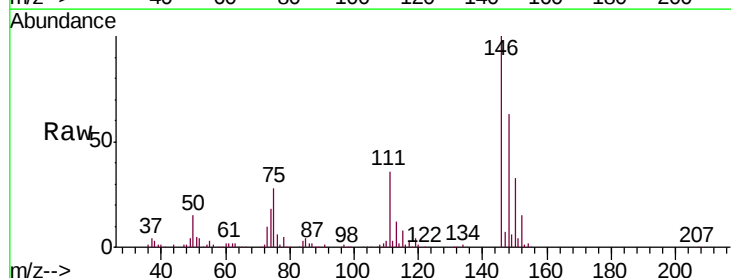
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBSD01

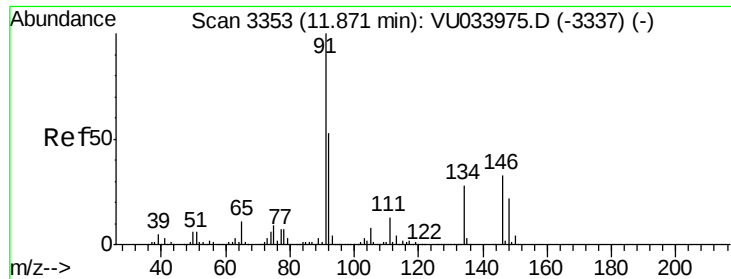
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.8	56.4
148	64.4	31.9	95.7



#88
 1,4-Dichlorobenzene
 Concen: 19.248 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.8	56.4
148	63.6	31.9	95.7

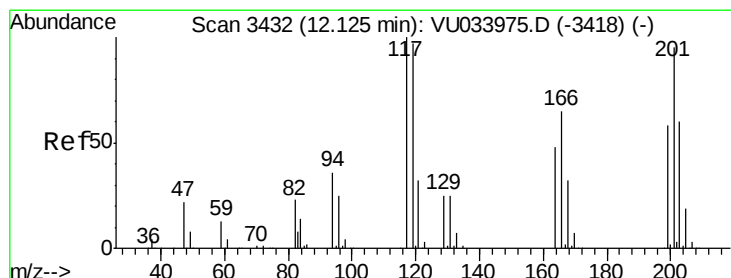
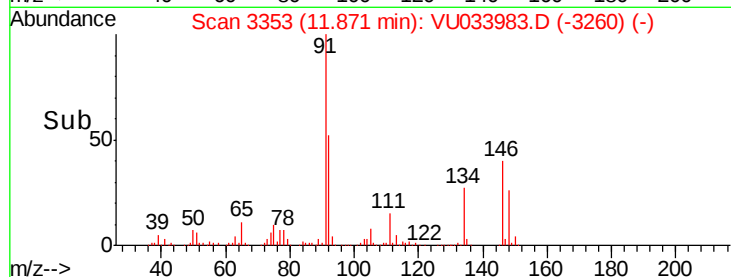
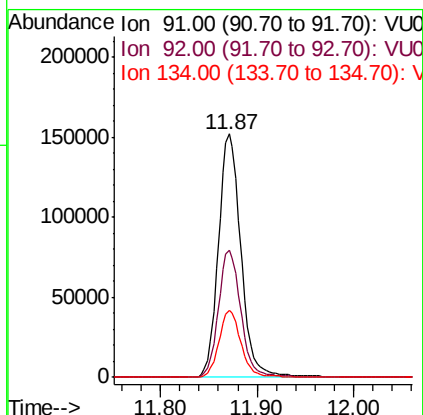
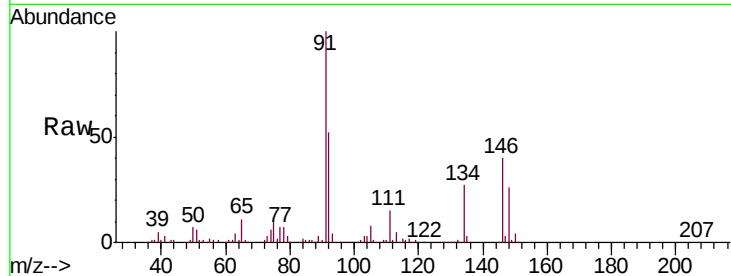




#89
n-Butylbenzene
Concen: 19.408 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

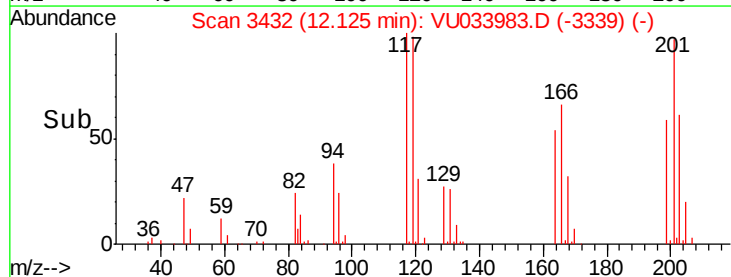
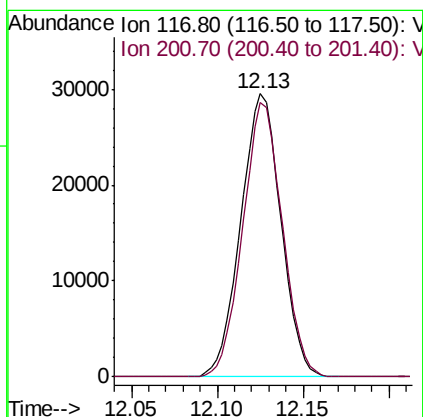
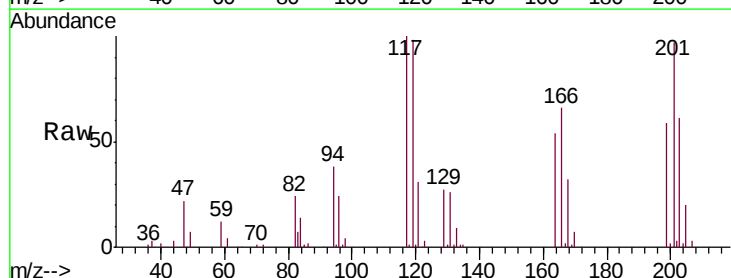
Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD01

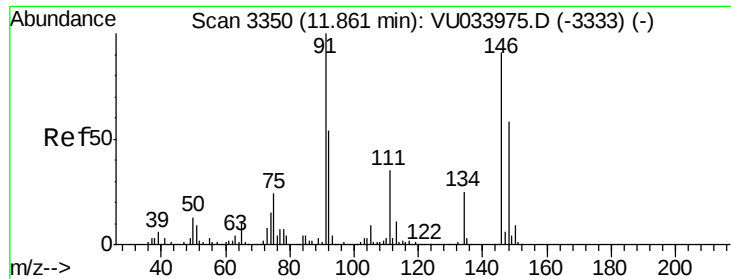
Tgt Ion: 91 Resp: 246578
Ion Ratio Lower Upper
91 100
92 51.7 26.7 80.0
134 26.8 13.6 40.8



#90
Hexachloroethane
Concen: 19.014 ug/l
RT: 12.13 min Scan# 3432
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Tgt Ion: 117 Resp: 47807
Ion Ratio Lower Upper
117 100
201 95.2 47.5 142.5

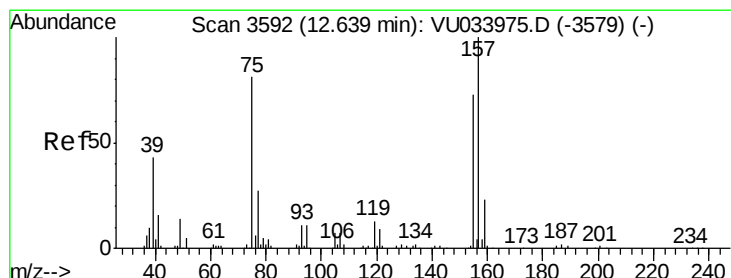
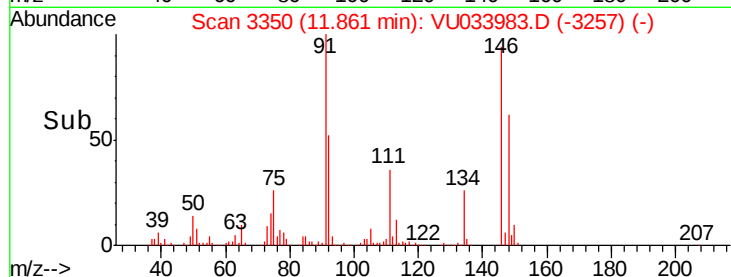
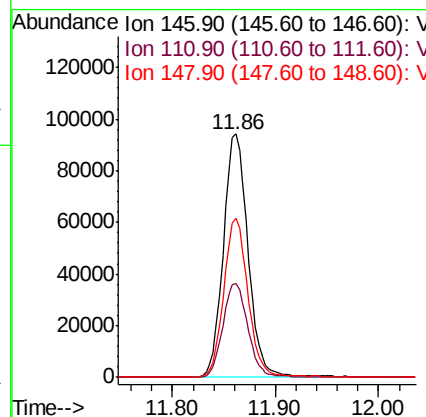
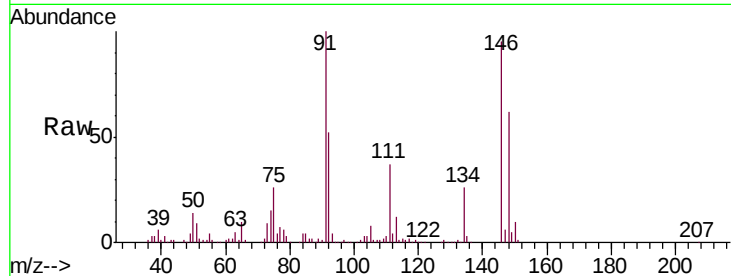




#91
 1,2-Dichlorobenzene
 Concen: 19.489 ug/l
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

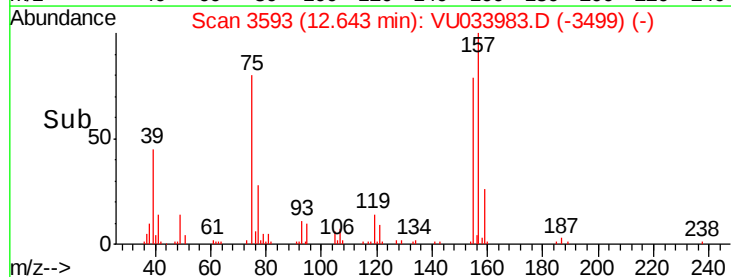
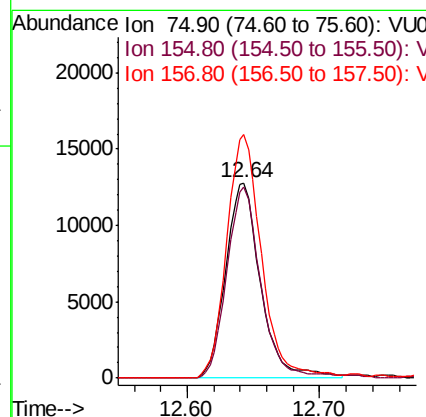
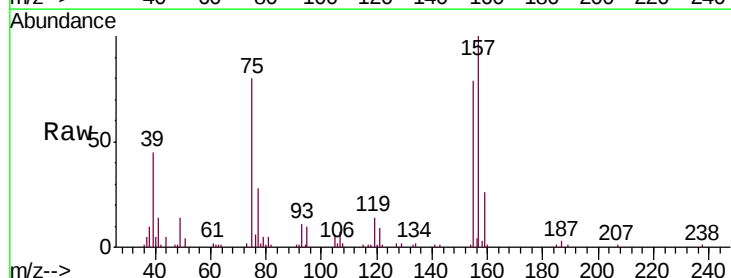
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBSD01

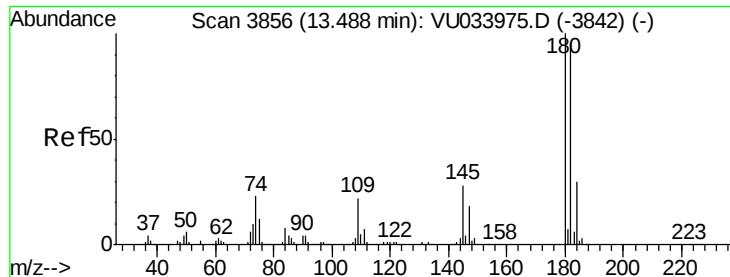
Tgt Ion:146 Resp: 157408
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.8 59.3
 148 64.1 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.867 ug/l
 RT: 12.64 min Scan# 3593
 Delta R.T. 0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

Tgt Ion: 75 Resp: 23460
 Ion Ratio Lower Upper
 75 100
 155 93.6 46.9 140.6
 157 124.0 61.2 183.6

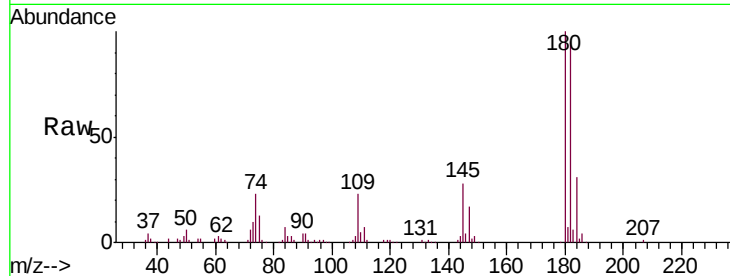




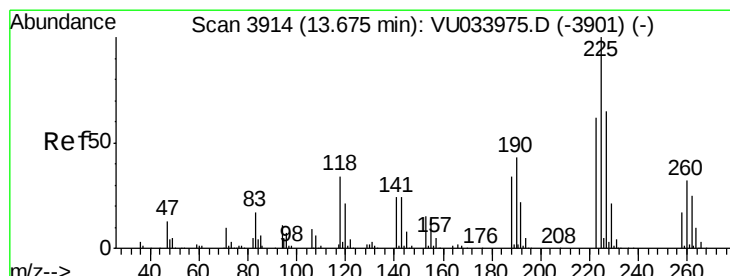
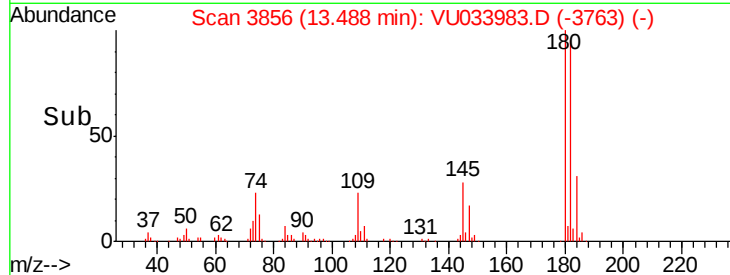
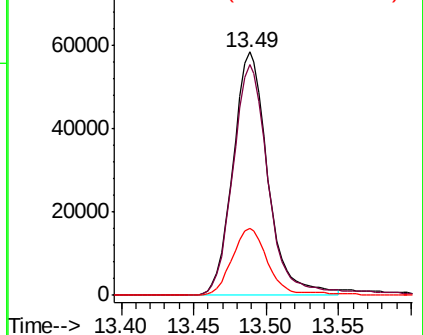
#93
 1,2,4-Trichlorobenzene
 Concen: 18.304 ug/l
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0828WBSD01

Tgt Ion:180 Resp: 97485
 Ion Ratio Lower Upper
 180 100
 182 98.0 47.4 142.2
 145 28.7 14.4 43.2

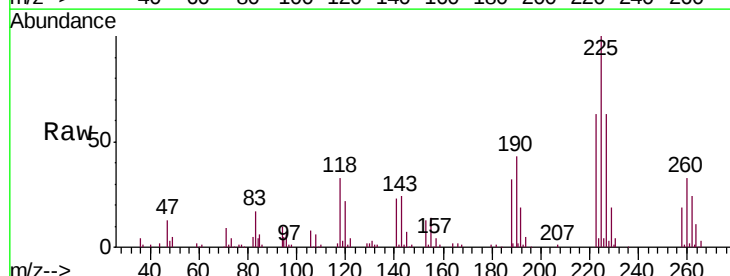


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

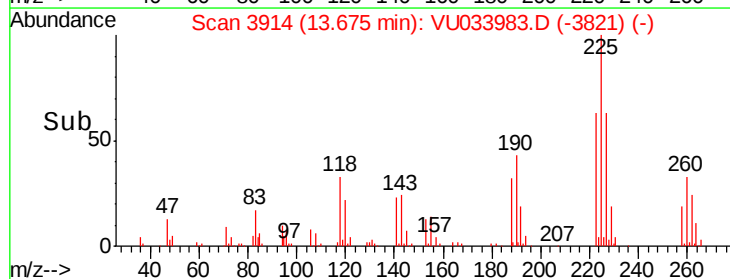
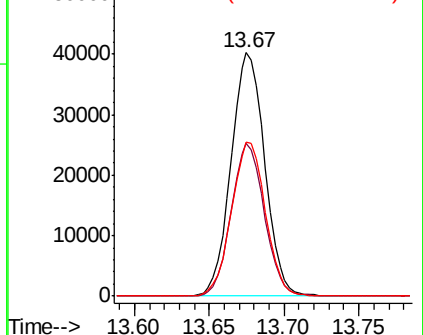


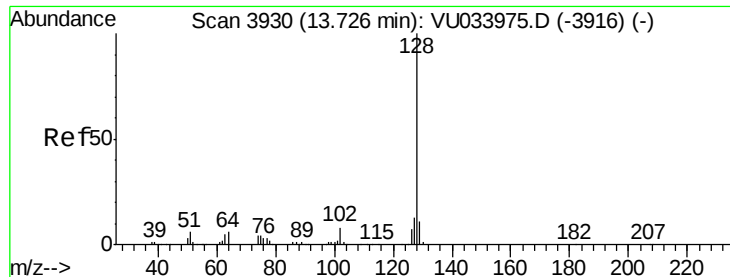
#94
 Hexachlorobutadiene
 Concen: 19.060 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: VU033983.D
 Acq: 27 Aug 2019 19:29

Tgt Ion:225 Resp: 63112
 Ion Ratio Lower Upper
 225 100
 223 61.7 31.7 95.1
 227 63.8 33.0 99.0



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

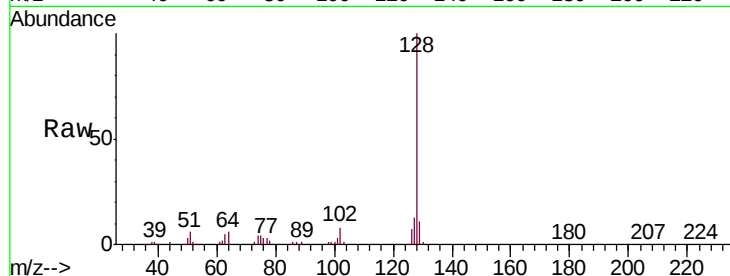




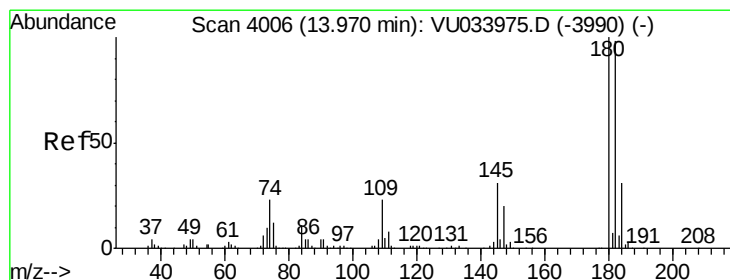
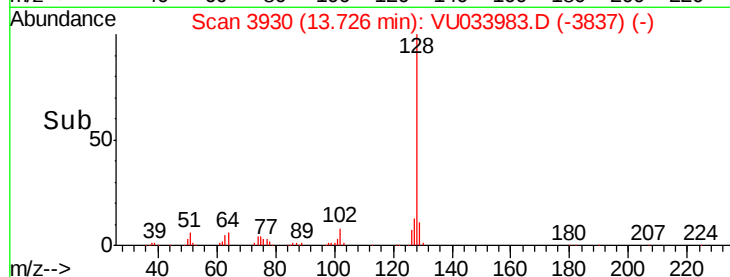
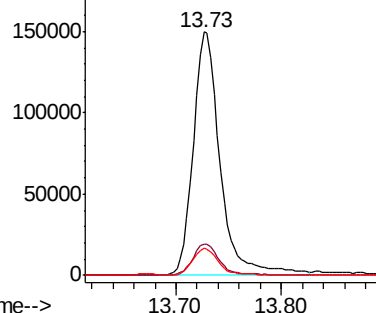
#95
Naphthalene
Concen: 18.262 ug/l
RT: 13.73 min Scan# 3930
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Instrument :
MSVOA_U
ClientSampleId :
VU0828WBSD01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.5	8.5	12.7

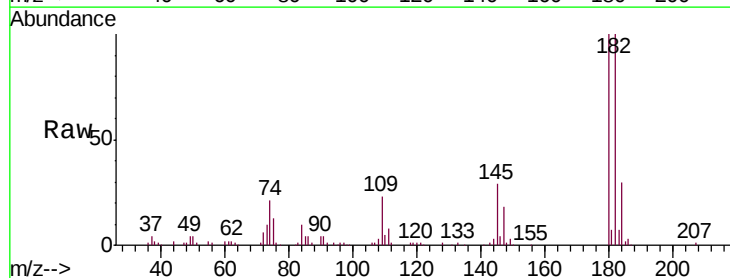


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.644 ug/l
RT: 13.97 min Scan# 4007
Delta R.T. 0.00 min
Lab File: VU033983.D
Acq: 27 Aug 2019 19:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.2	48.4	145.3
145	29.9	15.1	45.3



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

