

Data File : VU034425.D
Acq On : 09 Sep 2019 12:03
Operator : JC/SP
Sample : VU0909WBS01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

Quant Time: Sep 10 05:36:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 06 05:10:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	277166	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	395162	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	393868	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	264032	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	207854	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
35) Dibromofluoromethane	4.86	113	189101	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
50) Toluene-d8	7.54	98	729068	52.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.56%	
62) 4-Bromofluorobenzene	10.29	95	263460	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	52339	18.056	ug/l	98
3) Chloromethane	1.32	50	61322	19.529	ug/l	97
4) Vinyl Chloride	1.40	62	64445	17.841	ug/l	99
5) Bromomethane	1.62	94	41860	20.307	ug/l	100
6) Chloroethane	1.69	64	42389	19.581	ug/l	97
7) Trichlorofluoromethane	1.88	101	93705	19.347	ug/l	98
8) Diethyl Ether	2.10	74	41393	19.429	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.28	101	62388	19.448	ug/l	98
10) Methyl Iodide	2.40	142	35130	14.895	ug/l	98
11) Tert butyl alcohol	2.81	59	81205	91.658	ug/l	99
12) 1,1-Dichloroethene	2.27	96	58529	19.409	ug/l	99
13) Acrolein	2.19	56	56729	76.183	ug/l	100
14) Allyl chloride	2.58	41	90250	15.654	ug/l	# 88
15) Acrylonitrile	2.92	53	217818	98.728	ug/l	97
16) Acetone	2.31	43	185928	85.675	ug/l	98
17) Carbon Disulfide	2.47	76	116984	17.260	ug/l	99
18) Methyl Acetate	2.60	43	98744	18.699	ug/l	98
19) Methyl tert-butyl Ether	2.98	73	216634	19.709	ug/l	99
20) Methylene Chloride	2.69	84	74137	20.622	ug/l	100
21) trans-1,2-Dichloroethene	2.97	96	59682	18.781	ug/l	96
22) Diisopropyl ether	3.55	45	221178	19.672	ug/l	92
23) Vinyl Acetate	3.51	43	867768	94.754	ug/l	98
24) 1,1-Dichloroethane	3.43	63	129869	19.342	ug/l	99
25) 2-Butanone	4.24	43	273737	94.493	ug/l	99
26) 2,2-Dichloropropane	4.21	77	102504	18.982	ug/l	100
27) cis-1,2-Dichloroethene	4.21	96	76162	19.733	ug/l	97
28) Bromochloromethane	4.53	49	59898	19.395	ug/l	94
29) Tetrahydrofuran	4.62	42	172358	97.776	ug/l	98
30) Chloroform	4.65	83	133498	19.561	ug/l	100
31) Cyclohexane	4.97	56	89636	18.248	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	108753	19.931	ug/l	99
36) 1,1-Dichloropropene	5.12	75	80624	18.813	ug/l	99
37) Ethyl Acetate	4.36	43	98331	19.406	ug/l	99
38) Carbon Tetrachloride	5.11	117	91965	20.098	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	81867	17.870	ug/l	98
40) Benzene	5.37	78	274921	19.881	ug/l	99
41) Methacrylonitrile	4.52	41	53450	19.804	ug/l	97
42) 1,2-Dichloroethane	5.39	62	96481	20.095	ug/l	99
43) Isopropyl Acetate	5.53	43	149707	18.940	ug/l	97
44) Trichloroethene	6.17	130	77201	20.175	ug/l	99
45) 1,2-Dichloropropane	6.41	63	81094	20.060	ug/l	96
46) Dibromomethane	6.54	93	52336	20.624	ug/l	98
47) Bromodichloromethane	6.74	83	104291	19.966	ug/l	98
48) Methyl methacrylate	6.60	41	68462	18.236	ug/l	97
49) 1,4-Dioxane	6.59	88	31622	385.732	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	534825	97.750	ug/l	99
52) Toluene	7.62	92	177641	20.478	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	103226	19.064	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	117006	19.689	ug/l	99
55) 1,1,2-Trichloroethane	8.04	97	78969	20.048	ug/l	99
56) Ethyl methacrylate	8.00	69	101043	18.922	ug/l	99
57) 1,3-Dichloropropane	8.22	76	128092	19.971	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.11	63	152509	86.935	ug/l	99
59) 2-Hexanone	8.34	43	394491	96.514	ug/l	99
60) Dibromochloromethane	8.46	129	86591	20.495	ug/l	97
61) 1,2-Dibromoethane	8.57	107	79358	20.584	ug/l	99
64) Tetrachloroethene	8.21	164	67145	19.650	ug/l	99
65) Chlorobenzene	9.10	112	202155	20.230	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.19	131	77604	20.350	ug/l	99
67) Ethyl Benzene	9.23	91	318368	19.486	ug/l	99
68) m/p-Xylenes	9.35	106	252321	41.012	ug/l	100
69) o-Xylene	9.76	106	123057	20.452	ug/l	97
70) Styrene	9.77	104	221124	20.961	ug/l	99
71) Bromoform	9.94	173	66999	20.272	ug/l #	100
73) Isopropylbenzene	10.14	105	334414	19.462	ug/l	100
74) N-amyl acetate	9.99	43	126719	18.321	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.43	83	137963	19.836	ug/l	100
76) 1,2,3-Trichloropropane	10.47	75	145707	25.282	ug/l	86
77) Bromobenzene	10.43	156	95492	19.876	ug/l	98
78) n-propylbenzene	10.57	91	388611	19.583	ug/l	100
79) 2-Chlorotoluene	10.64	91	241014	19.905	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	297773	20.721	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.47	75	145707	85.021	ug/l #	100
82) 4-Chlorotoluene	10.75	91	282706	20.289	ug/l	99
83) tert-Butylbenzene	11.08	119	280547	19.515	ug/l	100
84) 1,2,4-Trimethylbenzene	11.12	105	290833	20.105	ug/l	98
85) sec-Butylbenzene	11.30	105	337773	19.902	ug/l	99
86) p-Isopropyltoluene	11.45	119	313197	19.994	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	176687	20.153	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	181151	19.810	ug/l	99
89) n-Butylbenzene	11.87	91	257030	18.881	ug/l	98
90) Hexachloroethane	12.12	117	48516	19.359	ug/l	97
91) 1,2-Dichlorobenzene	11.85	146	174858	20.294	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	24892	19.476	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090919\
Quantitation Report (Not Reviewed)

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	102264	18.687	ug/l	99
94) Hexachlorobutadiene	13.67	225	56199	18.647	ug/l	99
95) Naphthalene	13.72	128	270292	18.108	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	106317	19.324	ug/l	99

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

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Misc : 5.0mL/MSVOA U/WATER

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ALS Vial      : 10      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

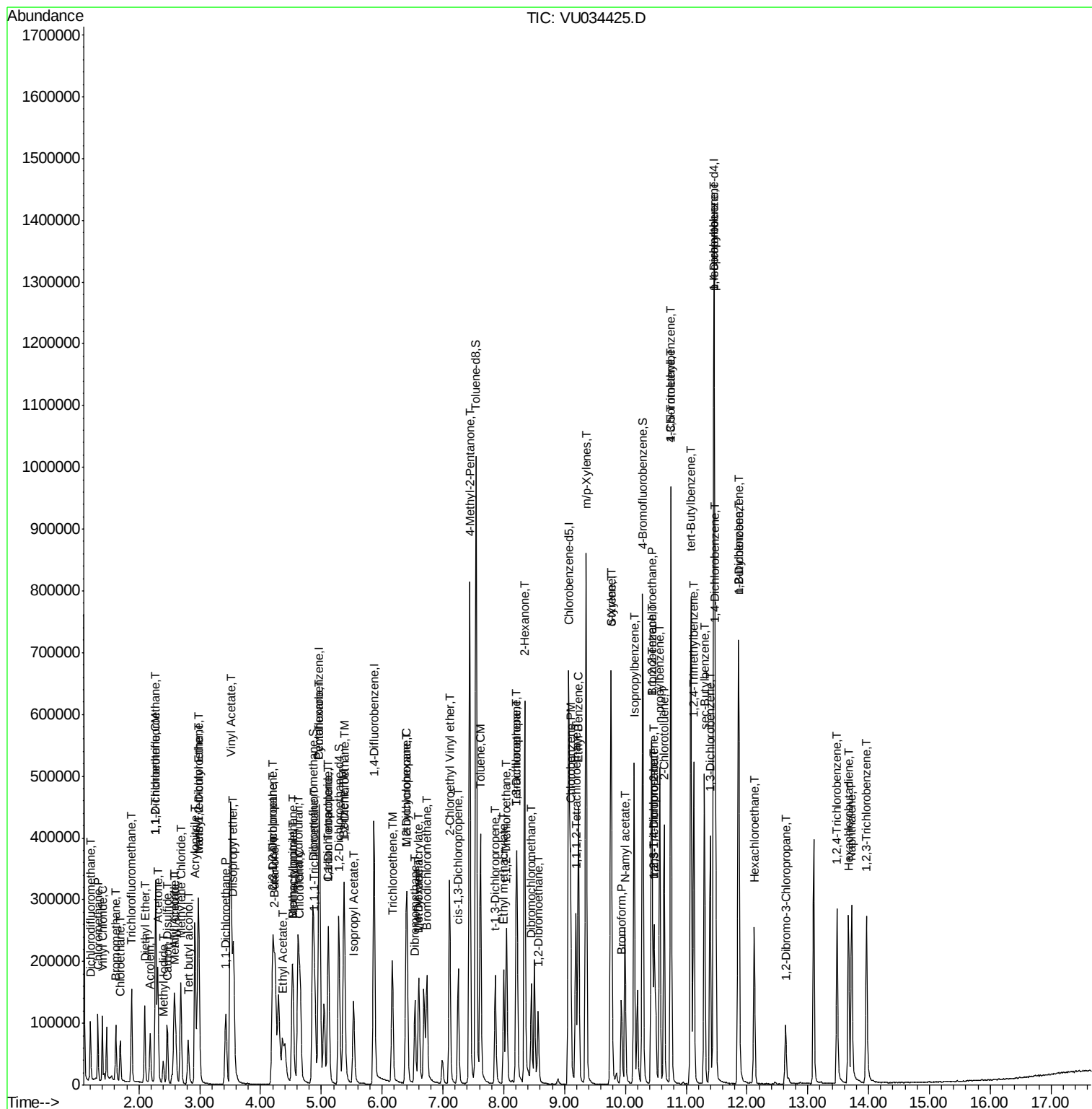
Quant Time: Sep 10 05:36:36 2019

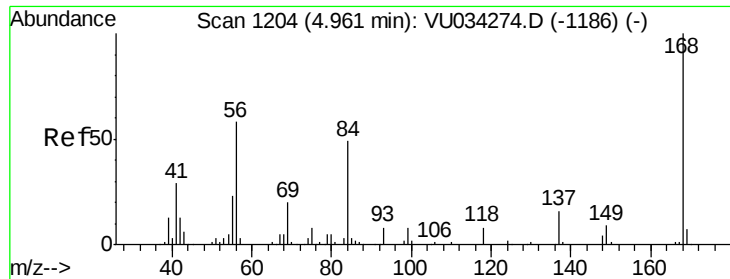
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\82U090619W.M

Quant Title : SW846 8260

QLast Update : Fri Sep 06 05:10:13 2019

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

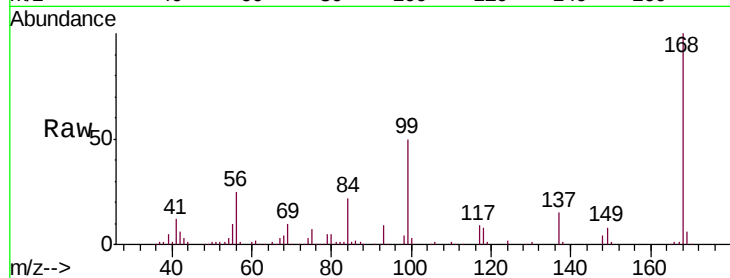
VU0909WBS01

Tgt Ion:168 Resp: 277166

Ion Ratio Lower Upper

168 100

99 49.0 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): VU034274.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034274.D (-1186) (-)

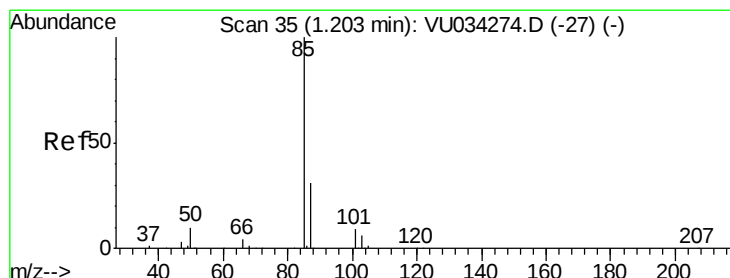
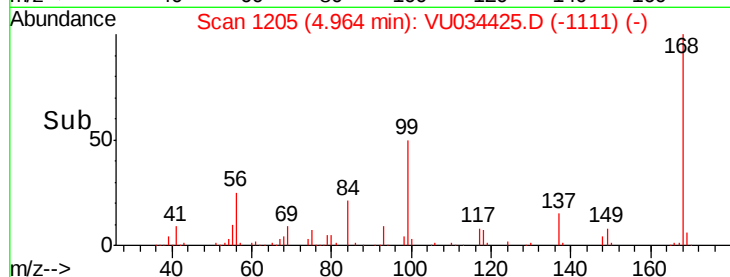
4.96

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.056 ug/l

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU034425.D

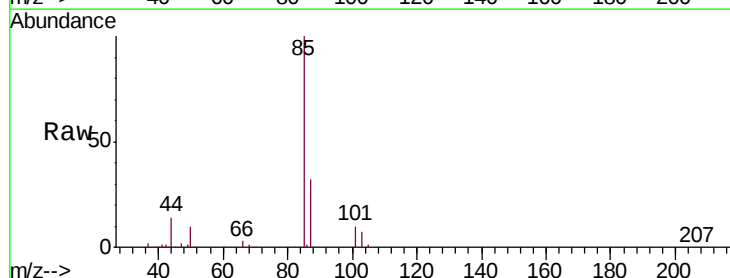
Acq: 09 Sep 2019 12:03

Tgt Ion: 85 Resp: 52339

Ion Ratio Lower Upper

85 100

87 32.3 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VU034274.D (-27) (-)

Ion 86.90 (86.60 to 87.60): VU034274.D (-27) (-)

1.20

60000

50000

40000

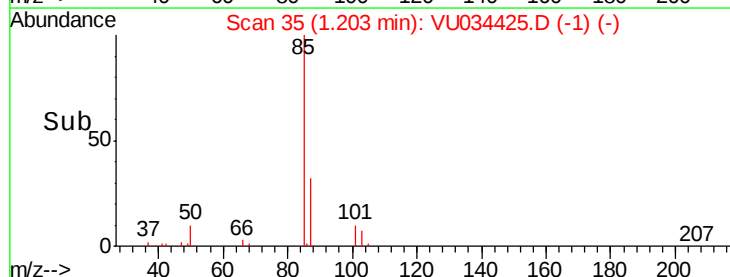
30000

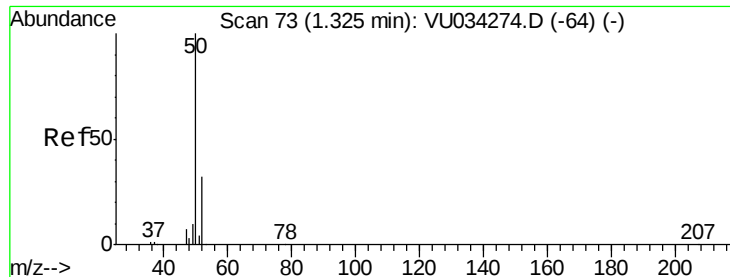
20000

10000

0

Time-->





#3

Chloromethane

Concen: 19.529 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

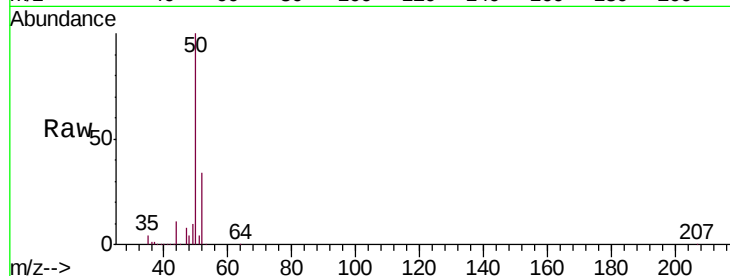
VU0909WBS01

Tgt Ion: 50 Resp: 61322

Ion Ratio Lower Upper

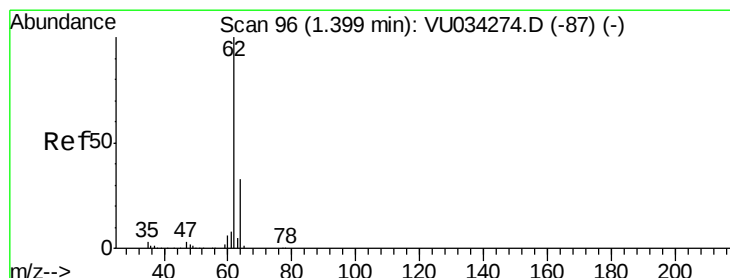
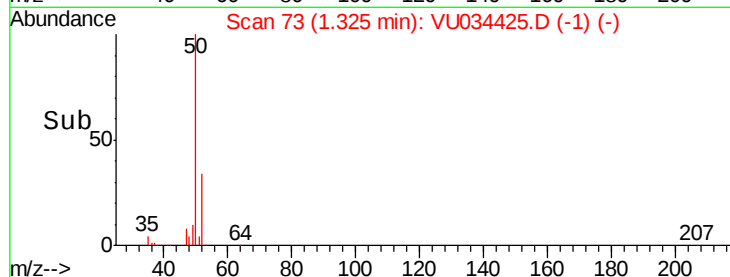
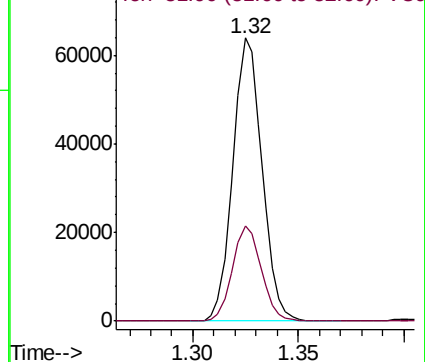
50 100

52 33.8 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 17.841 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU034425.D

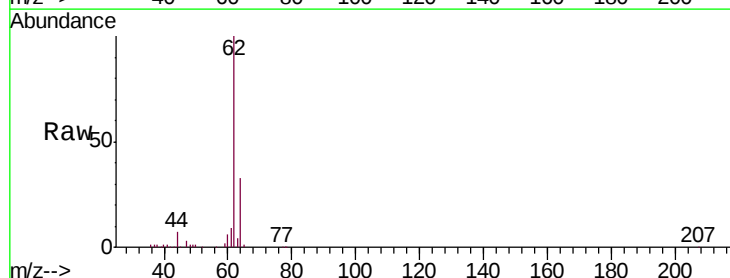
Acq: 09 Sep 2019 12:03

Tgt Ion: 62 Resp: 64445

Ion Ratio Lower Upper

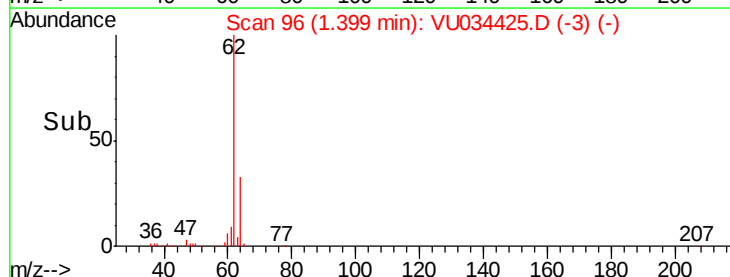
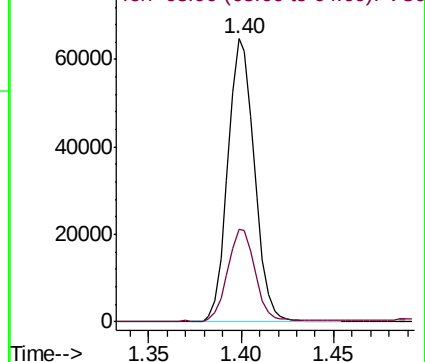
62 100

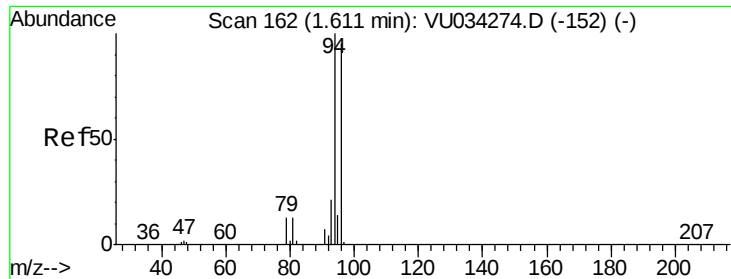
64 32.3 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 20.307 ug/l

RT: 1.62 min Scan# 165

Delta R.T. 0.01 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

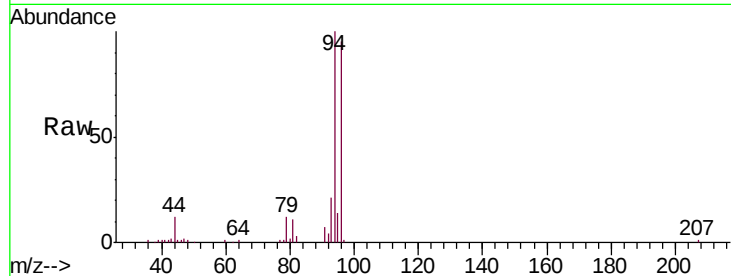
VU0909WBS01

Tgt Ion: 94 Resp: 41860

Ion Ratio Lower Upper

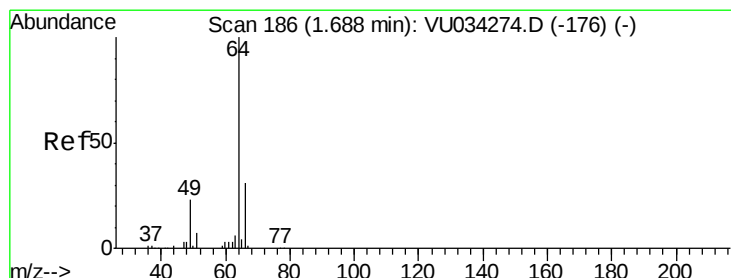
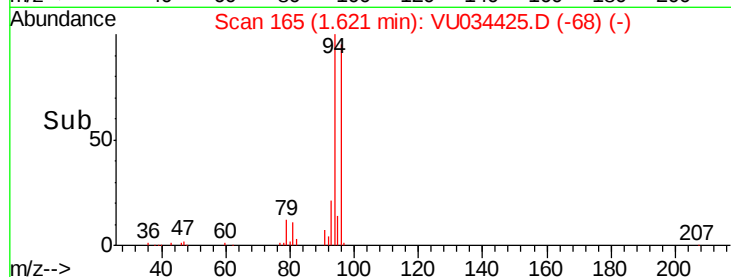
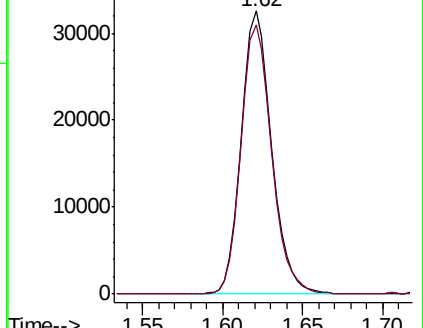
94 100

96 95.0 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VU034425.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VU034425.D (-152) (-)



#6

Chloroethane

Concen: 19.581 ug/l

RT: 1.69 min Scan# 188

Delta R.T. 0.01 min

Lab File: VU034425.D

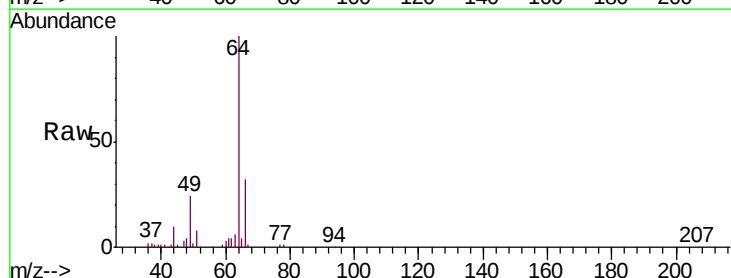
Acq: 09 Sep 2019 12:03

Tgt Ion: 64 Resp: 42389

Ion Ratio Lower Upper

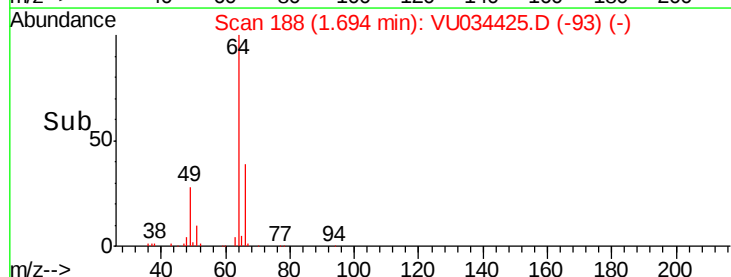
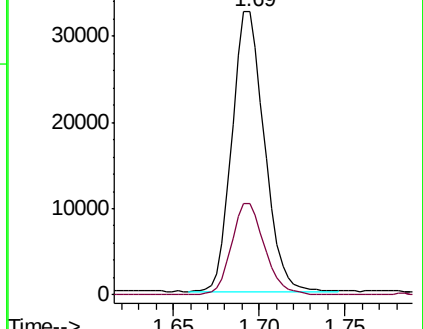
64 100

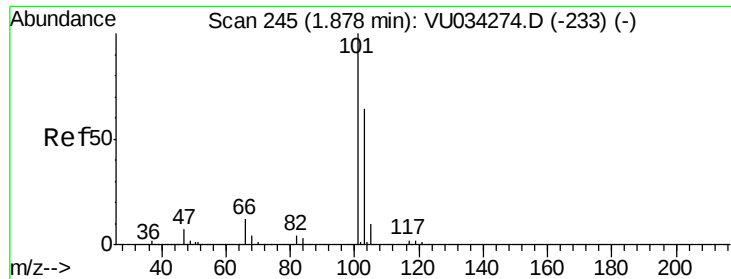
66 32.7 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU034425.D (-176) (-)

Ion 65.90 (65.60 to 66.60): VU034425.D (-176) (-)



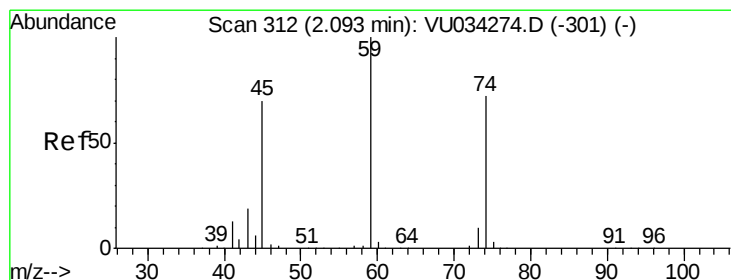
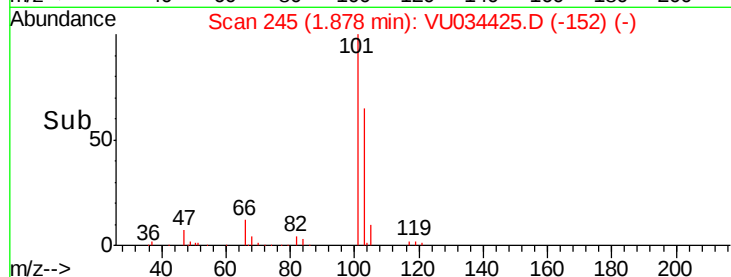
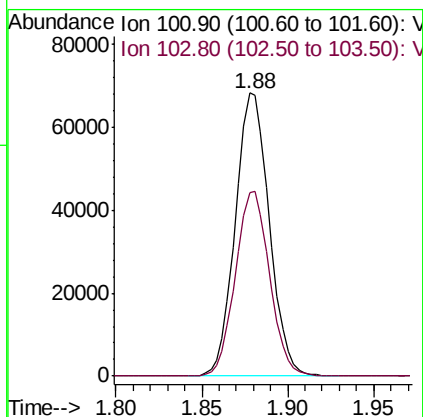
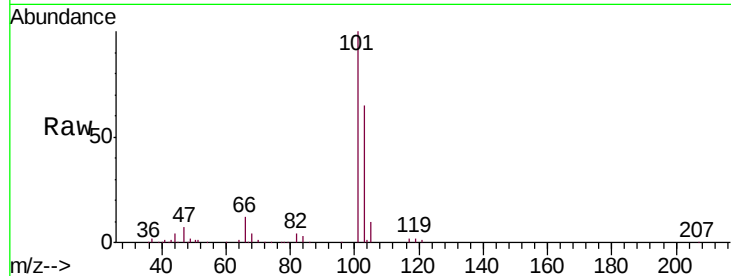


#7

Trichlorofluoromethane
 Concen: 19.347 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. -0.00 min
 Lab File: VU034425.D
 Acq: 09 Sep 2019 12:03

Instrument :
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 VU0909WBS01

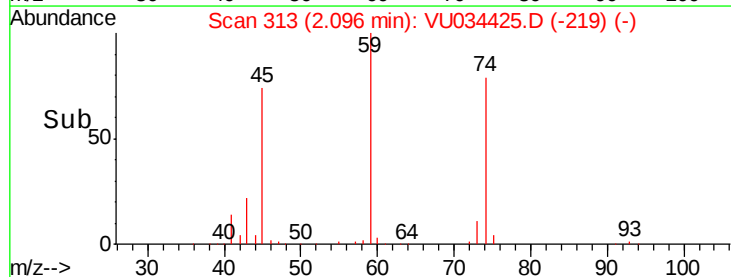
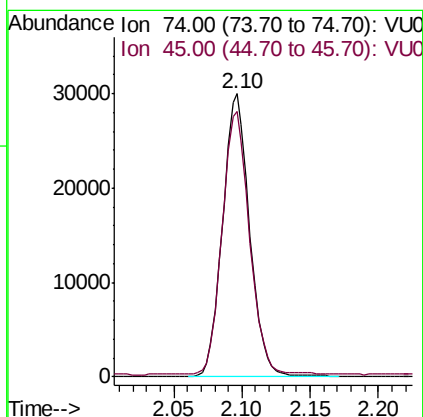
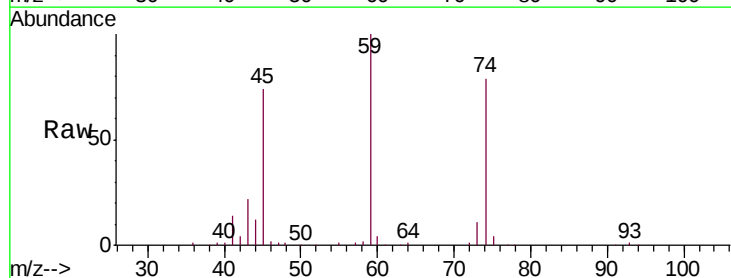
Tgt Ion:101 Resp: 93705
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.0 76.6

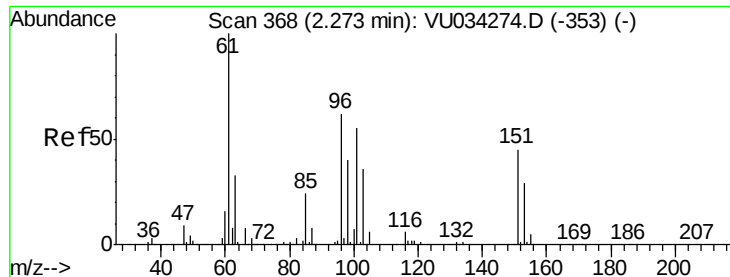


#8

Diethyl Ether
 Concen: 19.429 ug/l
 RT: 2.10 min Scan# 313
 Delta R.T. 0.00 min
 Lab File: VU034425.D
 Acq: 09 Sep 2019 12:03

Tgt Ion: 74 Resp: 41393
 Ion Ratio Lower Upper
 74 100
 45 93.2 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.448 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Instrument :

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ClientSampleId :

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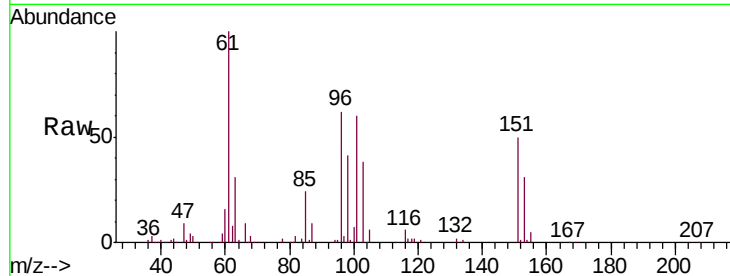
Tgt Ion:101 Resp: 62388

Ion Ratio Lower Upper

101 100

85 41.4 34.4 51.6

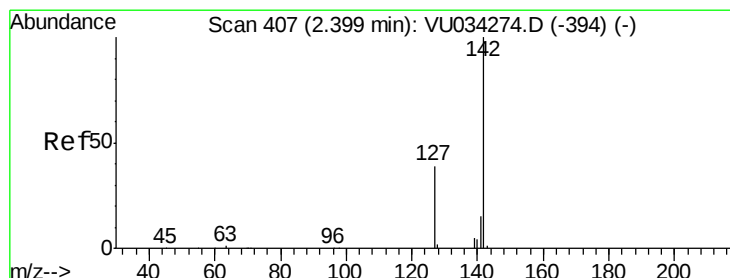
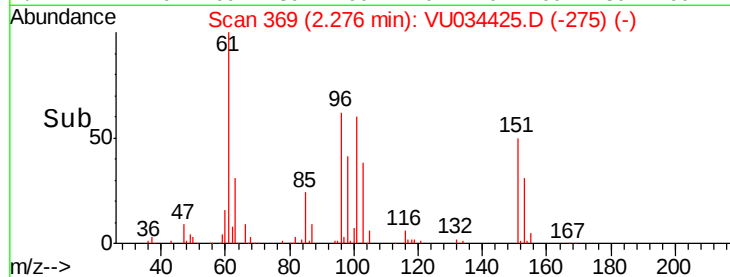
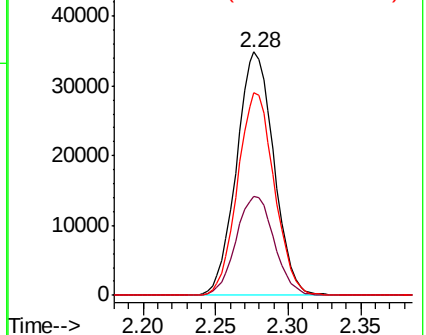
151 81.7 64.4 96.6



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: 14.895 ug/l

RT: 2.40 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

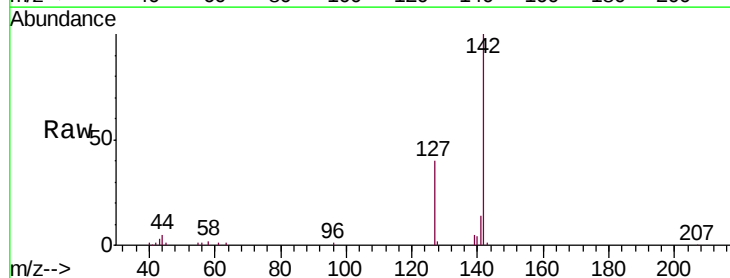
Tgt Ion:142 Resp: 35130

Ion Ratio Lower Upper

142 100

127 39.0 32.1 48.1

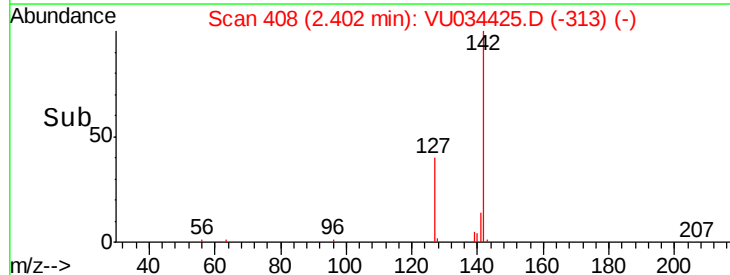
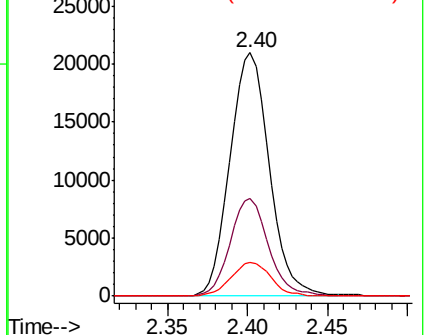
141 14.1 11.5 17.3

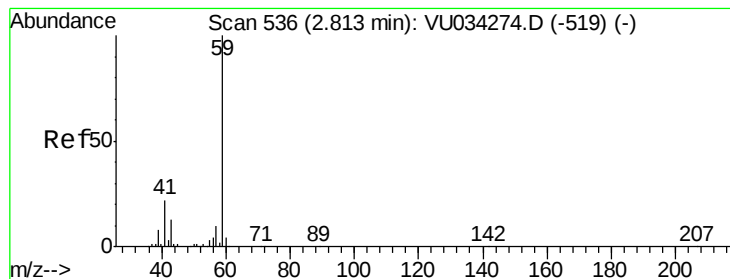


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 91.658 ug/l

RT: 2.81 min Scan# 535

Delta R.T. -0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

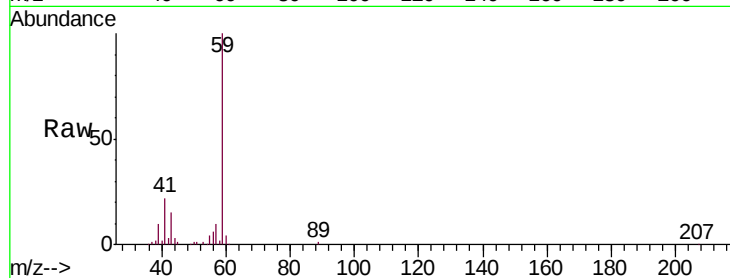
VU0909WBS01

Tgt Ion: 59 Resp: 81205

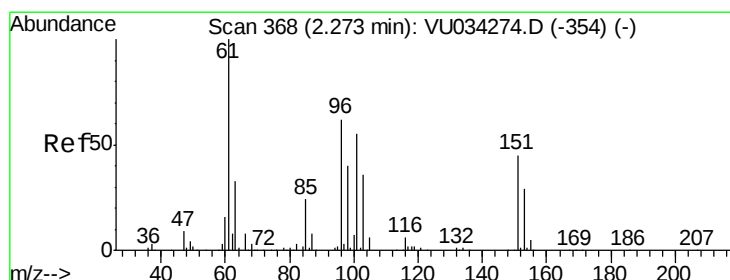
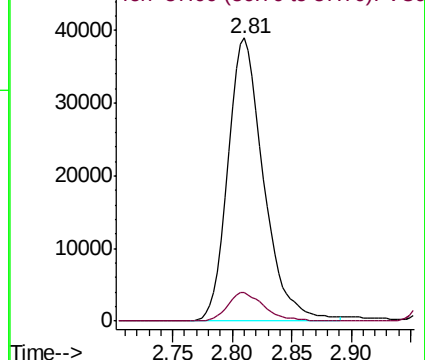
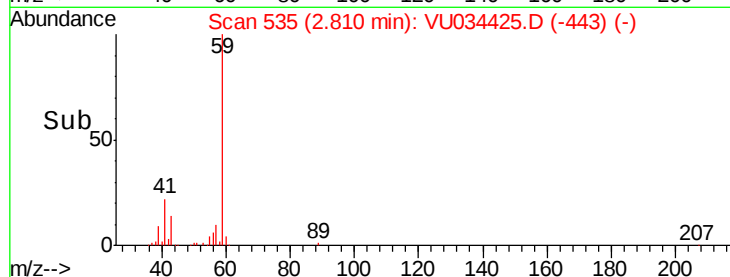
Ion Ratio Lower Upper

59 100

57 10.3 7.9 11.9



Abundance Ion 59.00 (58.70 to 59.70): VU034425.D (-443) (-)



#12

1,1-Dichloroethene

Concen: 19.409 ug/l

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

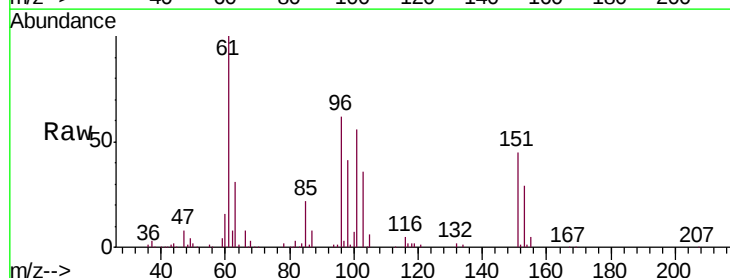
Tgt Ion: 96 Resp: 58529

Ion Ratio Lower Upper

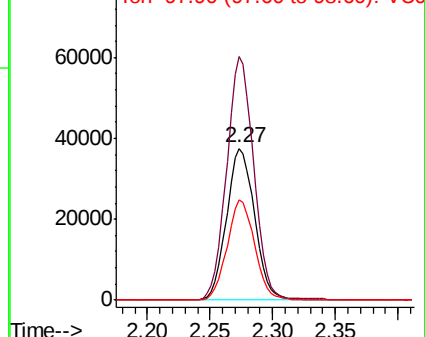
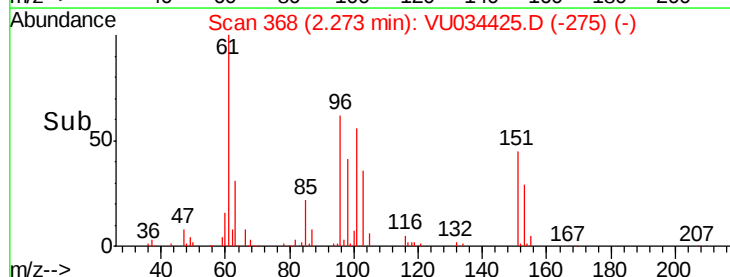
96 100

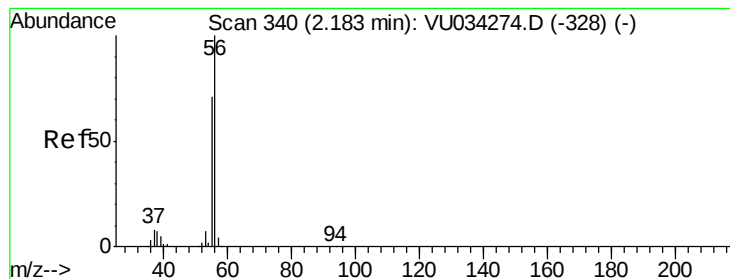
61 160.3 130.0 195.0

98 65.9 52.2 78.4



Abundance Ion 95.90 (95.60 to 96.60): VU034425.D (-275) (-)





#13

Acrolein

Concen: 76.183 ug/l

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

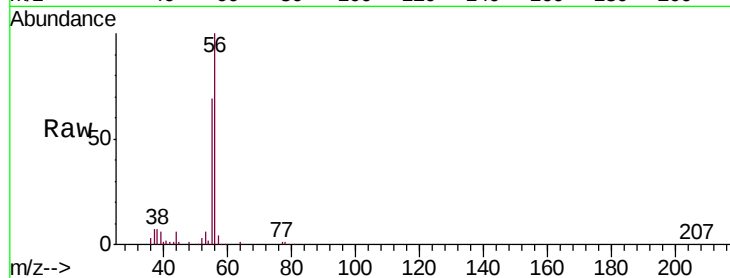
VU0909WBS01

Tgt Ion: 56 Resp: 56729

Ion Ratio Lower Upper

56 100

55 71.9 57.4 86.2



Abundance Ion 56.00 (55.70 to 56.70): VU034425.D (-247) (-)

Ion 55.00 (54.70 to 55.70): VU034425.D (-247) (-)

2.19

40000

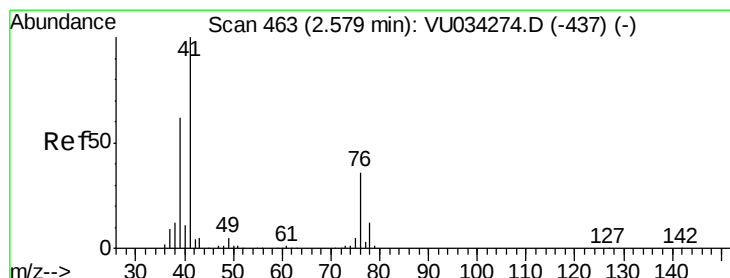
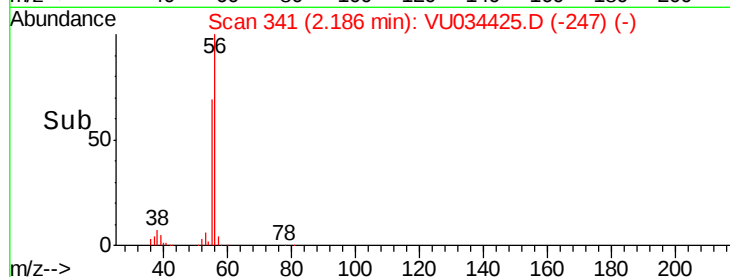
30000

20000

10000

0

Time--> 2.10 2.15 2.20 2.25 2.30



#14

Allyl chloride

Concen: 15.654 ug/l

RT: 2.58 min Scan# 464

Delta R.T. 0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

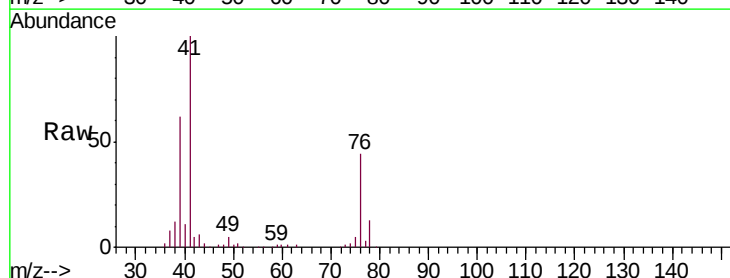
Tgt Ion: 41 Resp: 90250

Ion Ratio Lower Upper

41 100

39 63.5 43.5 65.3

76 40.7 27.0 40.6#



Abundance Ion 41.00 (40.70 to 41.70): VU034425.D (-370) (-)

Ion 39.00 (38.70 to 39.70): VU034425.D (-370) (-)

Ion 75.90 (75.60 to 76.60): VU034425.D (-370) (-)

2.58

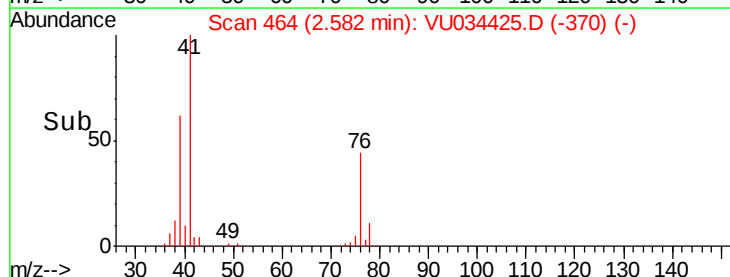
60000

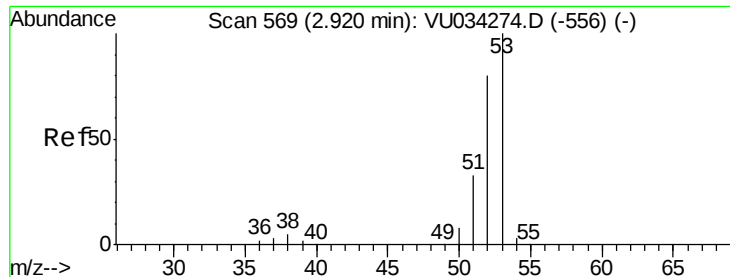
40000

20000

0

Time--> 2.55 2.60 2.65





#15

Acrylonitrile

Concen: 98.728 ug/l

RT: 2.92 min Scan# 570

Delta R.T. 0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBS01

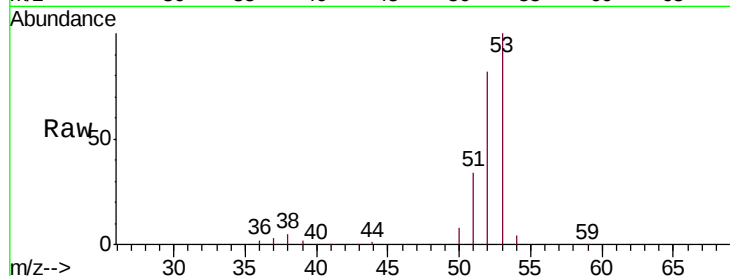
Tgt Ion: 53 Resp: 217818

Ion Ratio Lower Upper

53 100

52 83.1 64.1 96.1

51 34.9 27.4 41.0

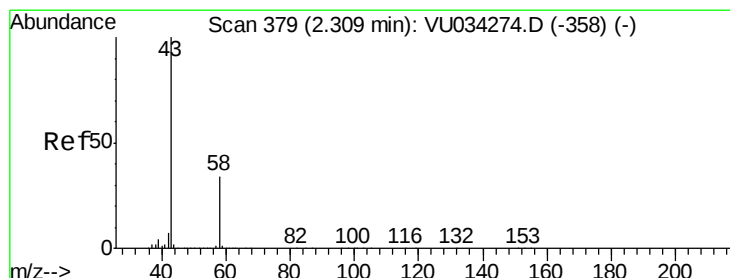
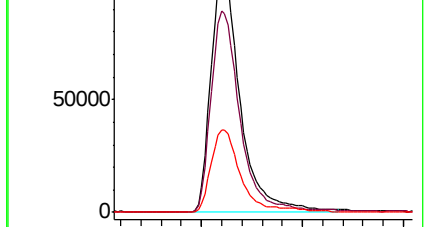
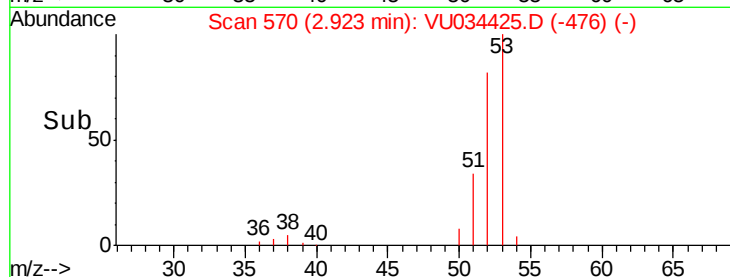


Abundance Ion 53.00 (52.70 to 53.70): VU034425.D (-476) (-)

Ion 52.00 (51.70 to 52.70): VU034425.D (-476) (-)

Ion 51.00 (50.70 to 51.70): VU034425.D (-476) (-)

Time-->



#16

Acetone

Concen: 85.675 ug/l

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU034425.D

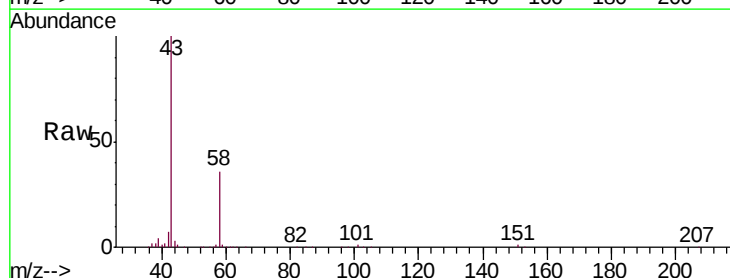
Acq: 09 Sep 2019 12:03

Tgt Ion: 43 Resp: 185928

Ion Ratio Lower Upper

43 100

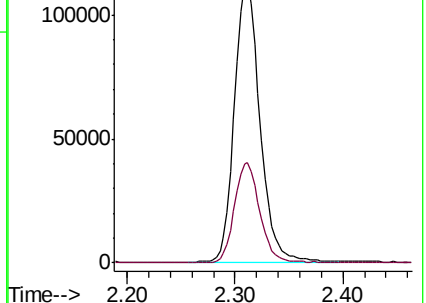
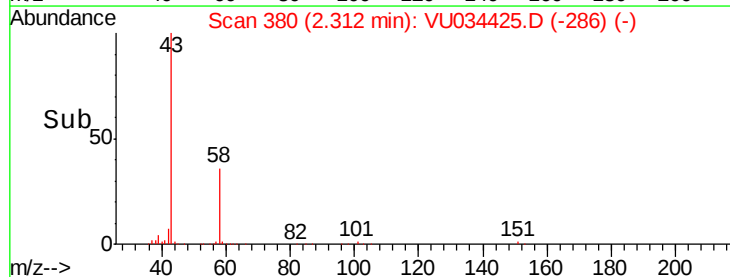
58 35.6 27.6 41.4

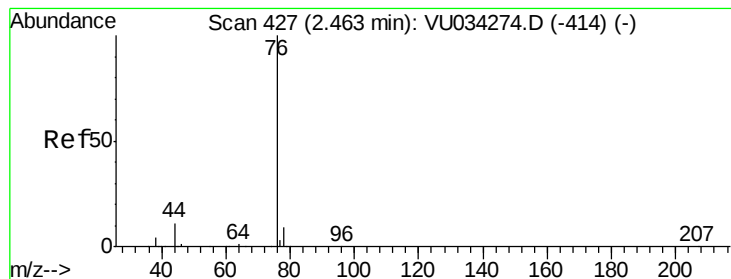


Abundance Ion 43.00 (42.70 to 43.70): VU034425.D (-286) (-)

Ion 58.00 (57.70 to 58.70): VU034425.D (-286) (-)

Time-->





#17

Carbon Disulfide

Concen: 17.260 ug/l

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

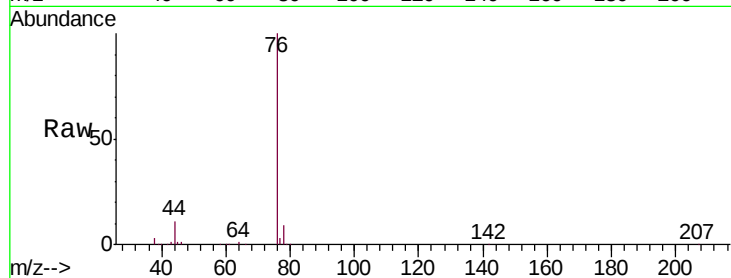
VU0909WBS01

Tgt Ion: 76 Resp: 116984

Ion Ratio Lower Upper

76 100

78 9.4 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VU034425.D (-334) (-)

Ion 77.90 (77.60 to 78.60): VU034425.D (-334) (-)

2.47

80000

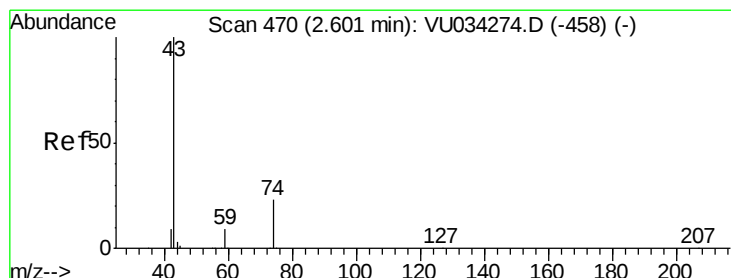
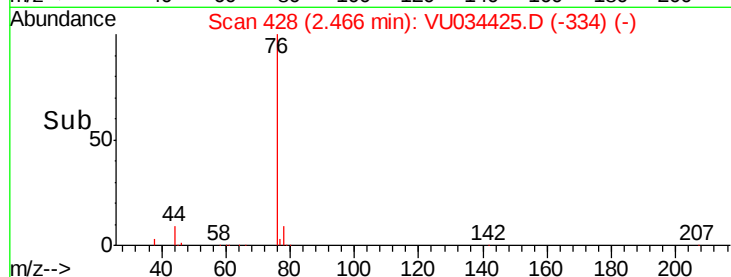
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 18.699 ug/l

RT: 2.60 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU034425.D

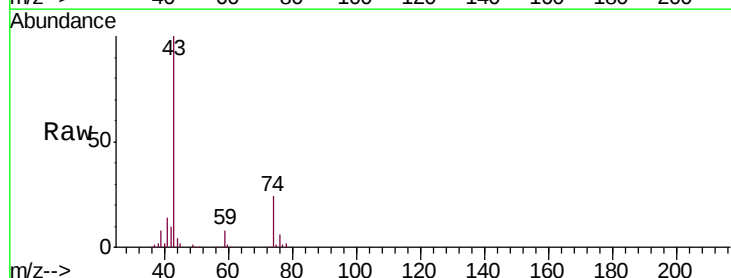
Acq: 09 Sep 2019 12:03

Tgt Ion: 43 Resp: 98744

Ion Ratio Lower Upper

43 100

74 24.6 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VU034425.D (-377) (-)

Ion 74.00 (73.70 to 74.70): VU034425.D (-377) (-)

2.60

60000

50000

40000

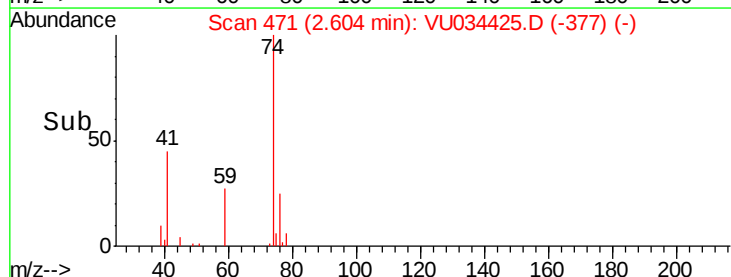
30000

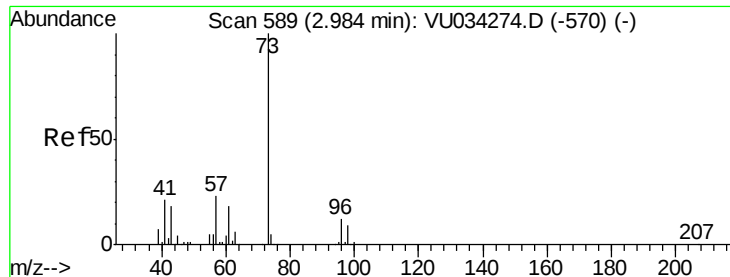
20000

10000

0

Time-->

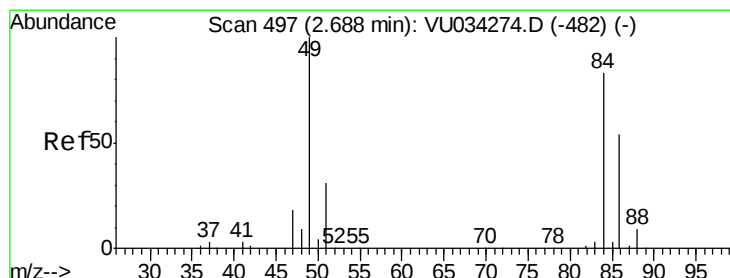
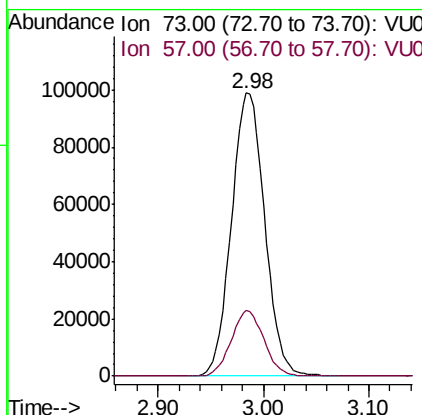
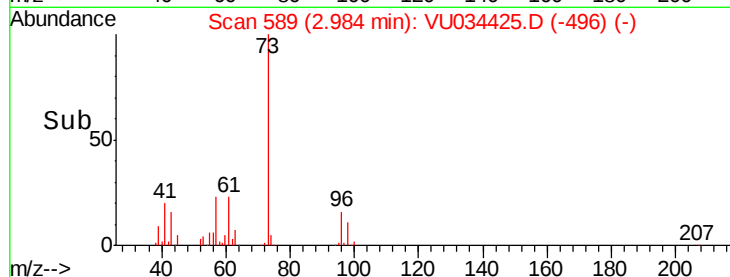
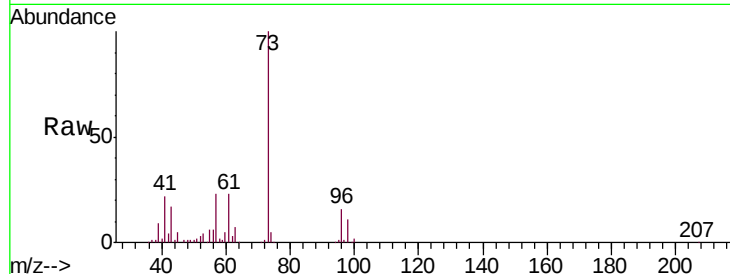




#19
Methyl tert-butyl Ether
Concen: 19.709 ug/l
RT: 2.98 min Scan# 589
Delta R.T. -0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

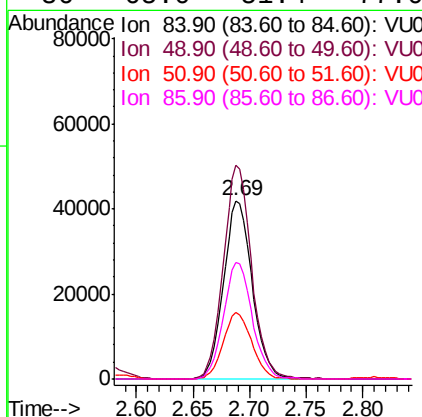
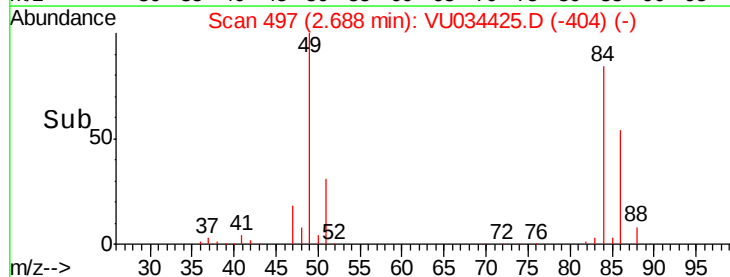
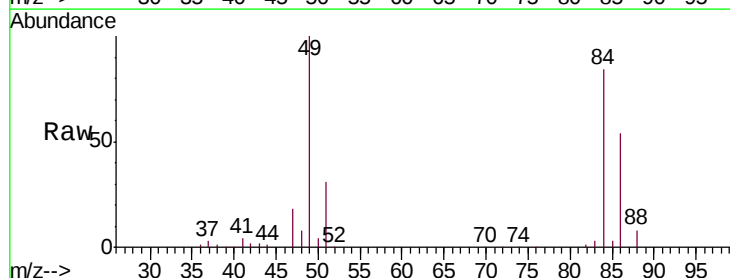
Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

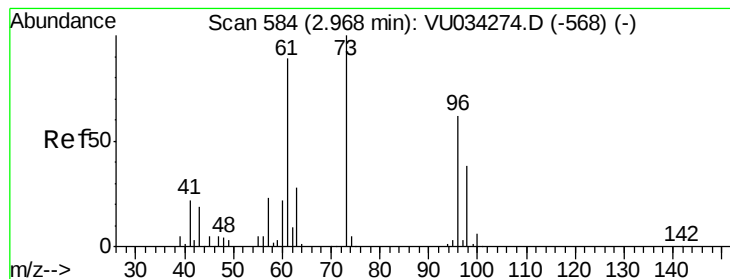
Tgt Ion: 73 Resp: 216634
Ion Ratio Lower Upper
73 100
57 23.2 18.2 27.4



#20
Methylene Chloride
Concen: 20.622 ug/l
RT: 2.69 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Tgt Ion: 84 Resp: 74137
Ion Ratio Lower Upper
84 100
49 119.8 96.0 144.0
51 37.2 30.0 45.0
86 65.0 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 18.781 ug/l

RT: 2.97 min Scan# 584

Delta R.T. -0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBS01

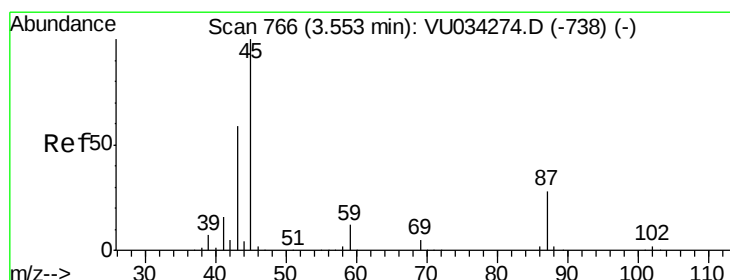
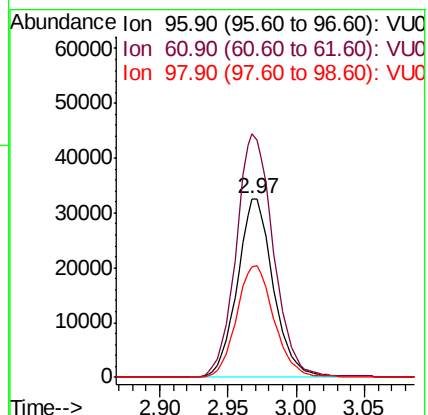
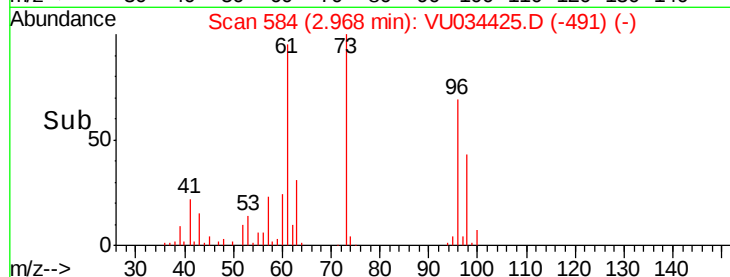
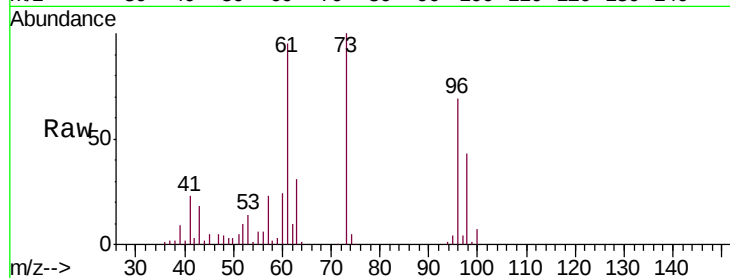
Tgt Ion: 96 Resp: 59682

Ion Ratio Lower Upper

96 100

61 136.5 114.8 172.2

98 62.3 49.8 74.8



#22

Diisopropyl ether

Concen: 19.672 ug/l

RT: 3.55 min Scan# 766

Delta R.T. -0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Tgt Ion: 45 Resp: 221178

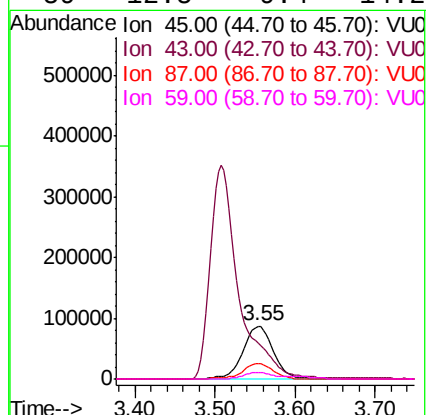
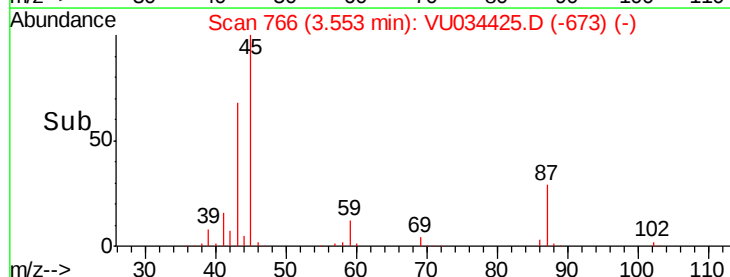
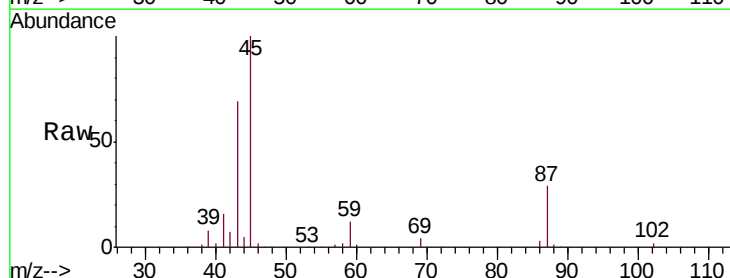
Ion Ratio Lower Upper

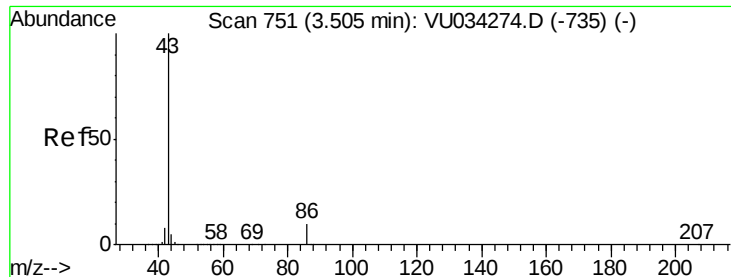
45 100

43 68.3 47.5 71.3

87 29.4 22.2 33.4

59 12.5 9.4 14.2





#23

Vinyl Acetate

Concen: 94.754 ug/l

RT: 3.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

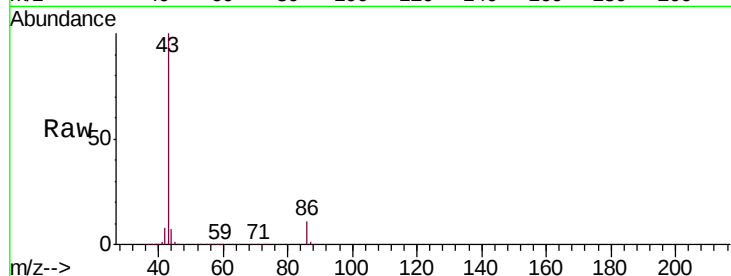
VU0909WBS01

Tgt Ion: 43 Resp: 867768

Ion Ratio Lower Upper

43 100

86 11.2 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VU034425.D (-658) (-)

Ion 86.00 (85.70 to 86.70): VU034425.D (-658) (-)

3.51

400000

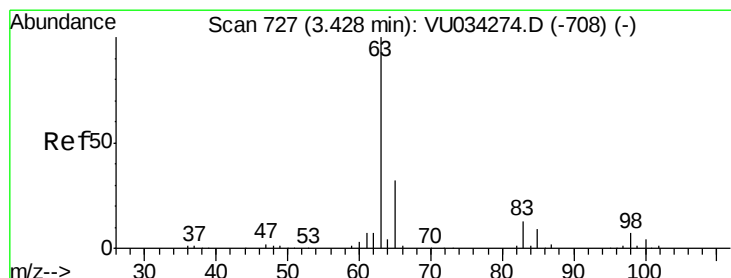
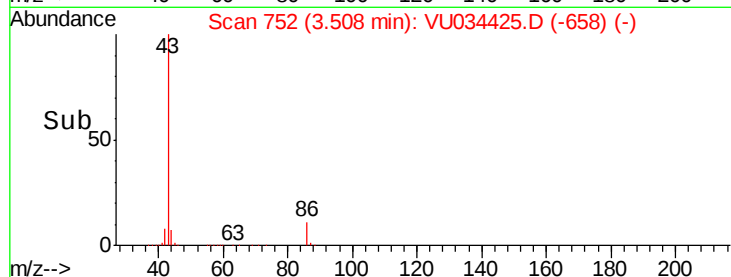
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.342 ug/l

RT: 3.43 min Scan# 727

Delta R.T. -0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

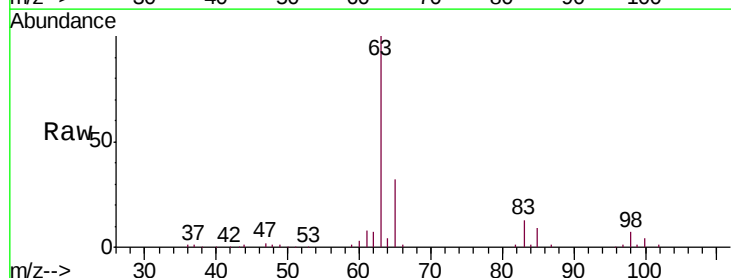
Tgt Ion: 63 Resp: 129869

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.4

100 4.5 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VU034425.D (-634) (-)

Ion 97.90 (97.60 to 98.60): VU034425.D (-634) (-)

Ion 99.90 (99.60 to 100.60): VU034425.D (-634) (-)

3.43

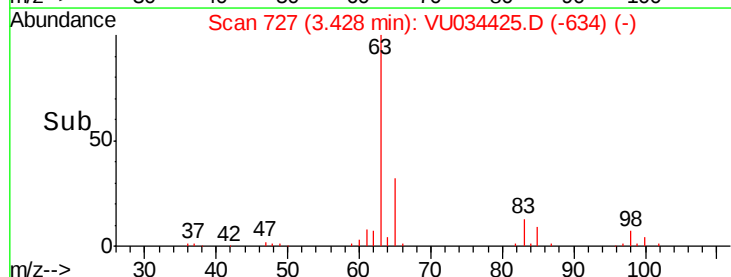
60000

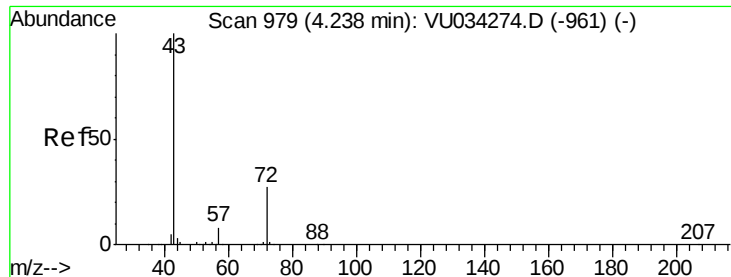
40000

20000

0

Time-->





#25

2-Butanone

Concen: 94.493 ug/l

RT: 4.24 min Scan# 980

Delta R.T. 0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

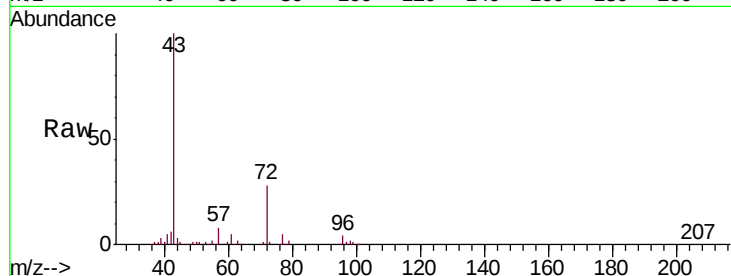
VU0909WBS01

Tgt Ion: 43 Resp: 273737

Ion Ratio Lower Upper

43 100

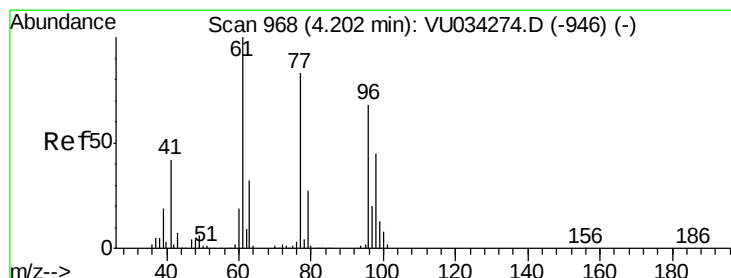
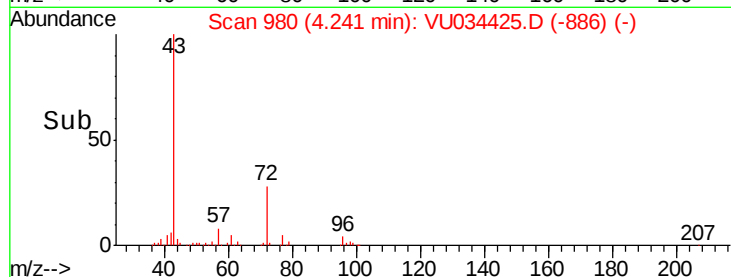
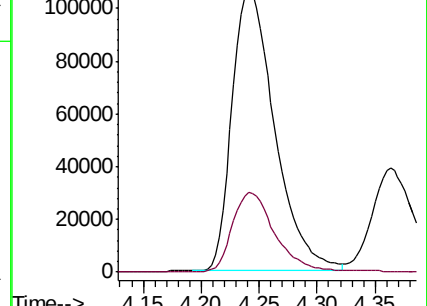
72 28.0 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-961) (-)

Ion 72.00 (71.70 to 72.70): VU034274.D (-961) (-)

4.24



#26

2,2-Dichloropropane

Concen: 18.982 ug/l

RT: 4.21 min Scan# 969

Delta R.T. 0.00 min

Lab File: VU034425.D

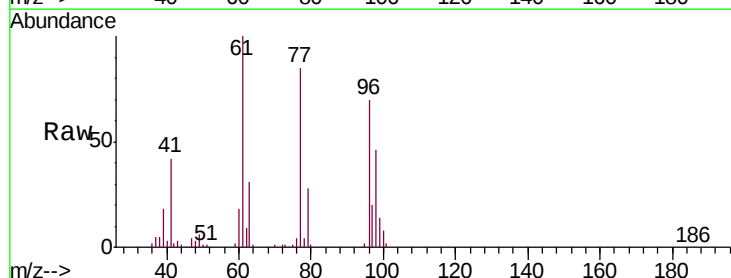
Acq: 09 Sep 2019 12:03

Tgt Ion: 77 Resp: 102504

Ion Ratio Lower Upper

77 100

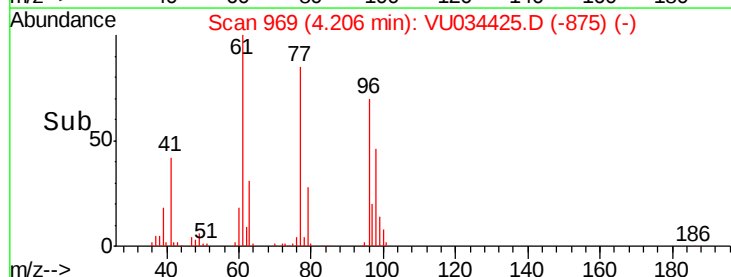
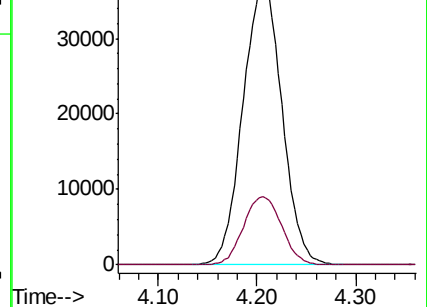
97 23.7 11.8 35.3

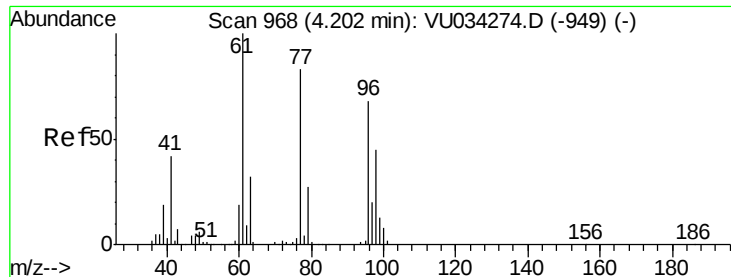


Abundance Ion 76.90 (76.60 to 77.60): VU034274.D (-946) (-)

Ion 96.90 (96.60 to 97.60): VU034274.D (-946) (-)

4.21





#27

cis-1,2-Dichloroethene

Concen: 19.733 ug/l

RT: 4.21 min Scan# 969

Delta R.T. 0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBS01

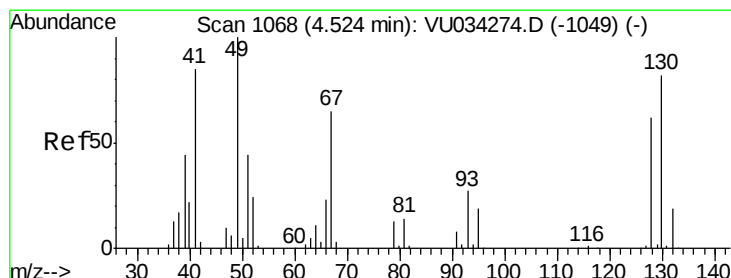
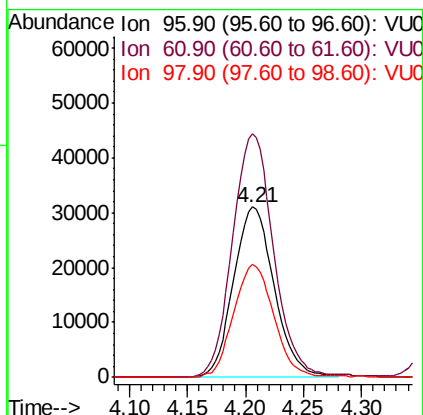
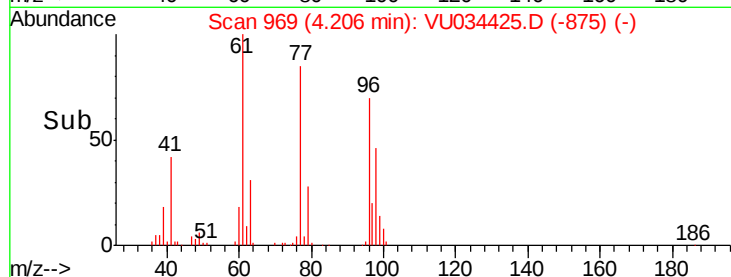
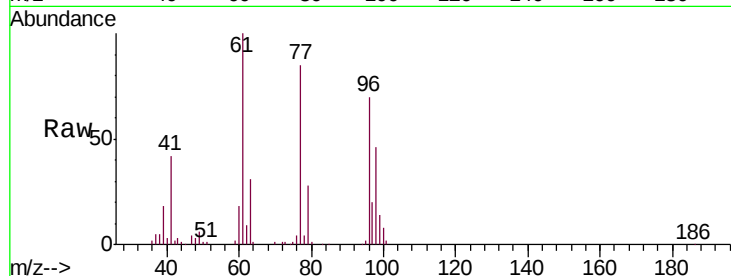
Tgt Ion: 96 Resp: 76162

Ion Ratio Lower Upper

96 100

61 143.5 0.0 297.4

98 65.2 0.0 130.0



#28

Bromochloromethane

Concen: 19.395 ug/l

RT: 4.53 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

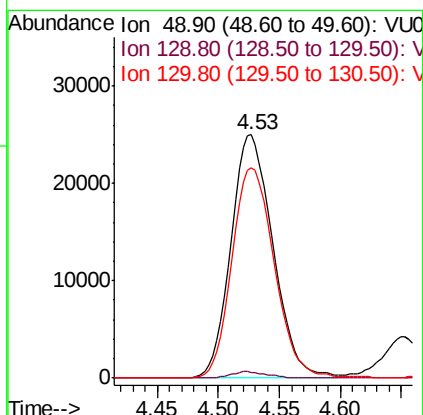
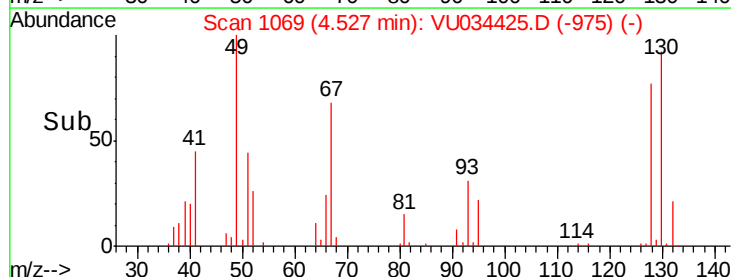
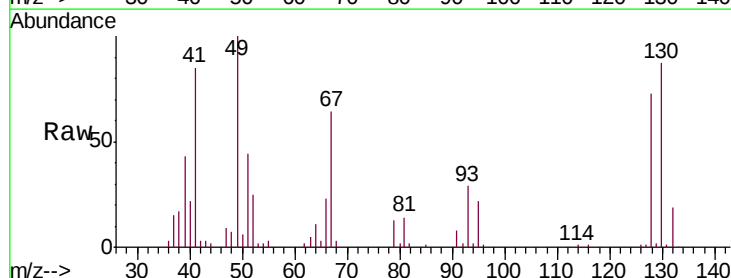
Tgt Ion: 49 Resp: 59898

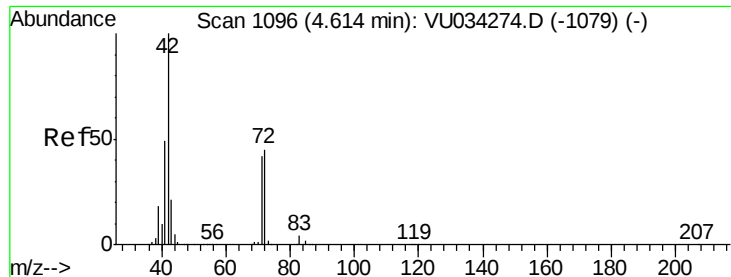
Ion Ratio Lower Upper

49 100

129 2.2 0.0 3.8

130 87.2 65.2 97.8

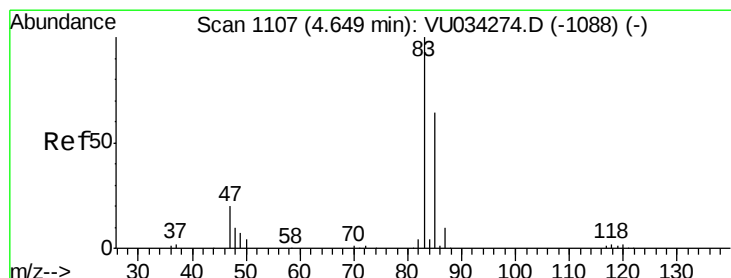
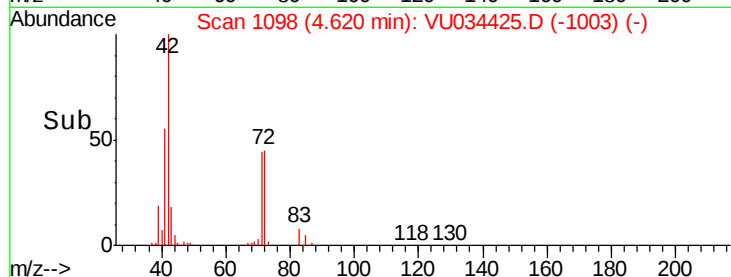
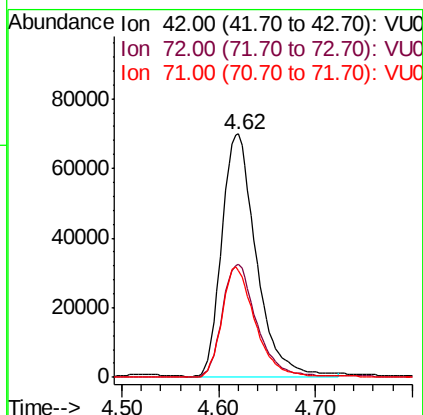
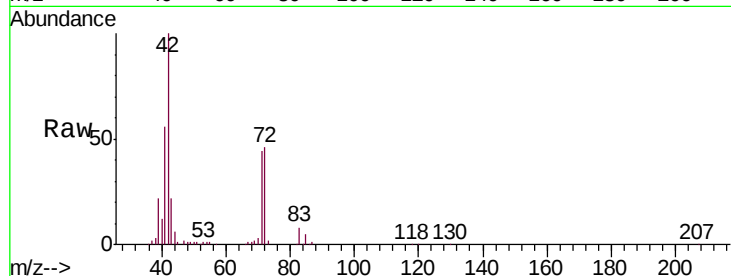




#29
Tetrahydrofuran
Concen: 97.776 ug/l
RT: 4.62 min Scan# 1098
Delta R.T. 0.01 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

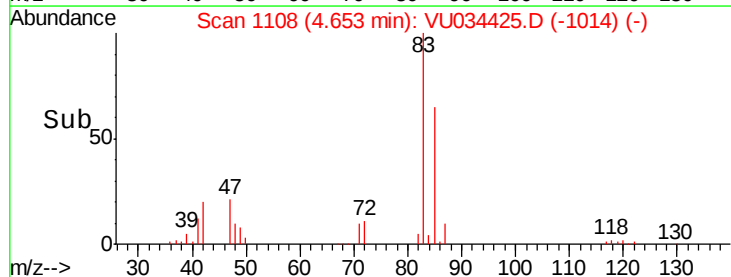
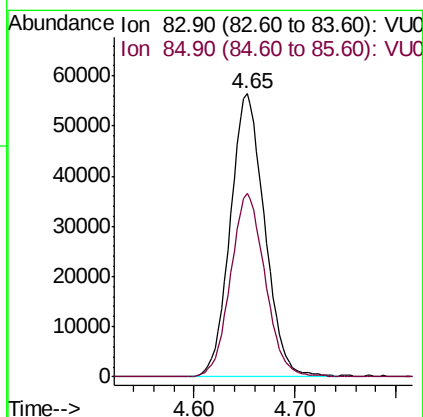
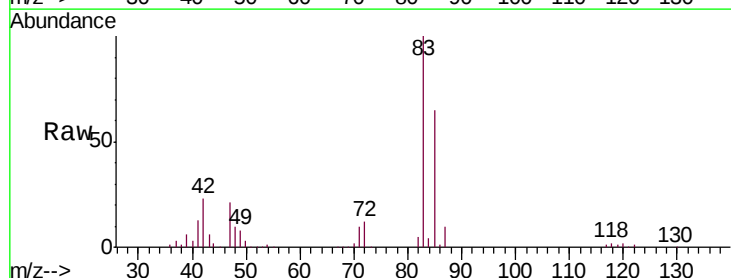
Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

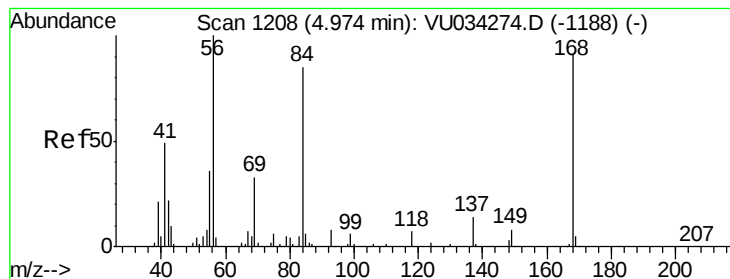
Tgt Ion: 42 Resp: 172358
Ion Ratio Lower Upper
42 100
72 47.3 36.6 54.8
71 43.8 34.3 51.5



#30
Chloroform
Concen: 19.561 ug/l
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Tgt Ion: 83 Resp: 133498
Ion Ratio Lower Upper
83 100
85 64.8 51.5 77.3





#31

Cyclohexane

Concen: 18.248 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBS01

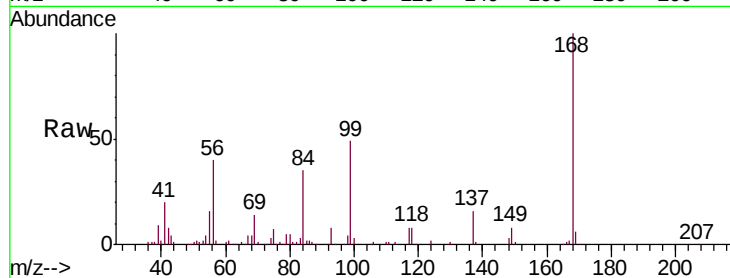
Tgt Ion: 56 Resp: 89636

Ion Ratio Lower Upper

56 100

69 35.8 26.7 40.1

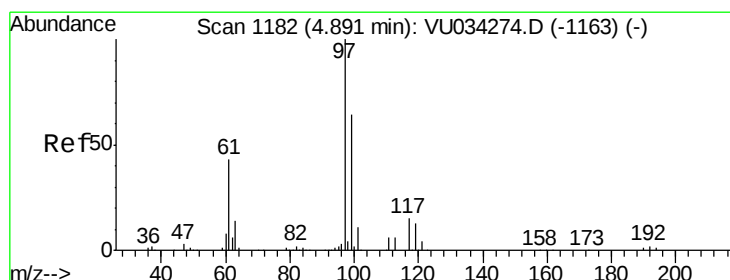
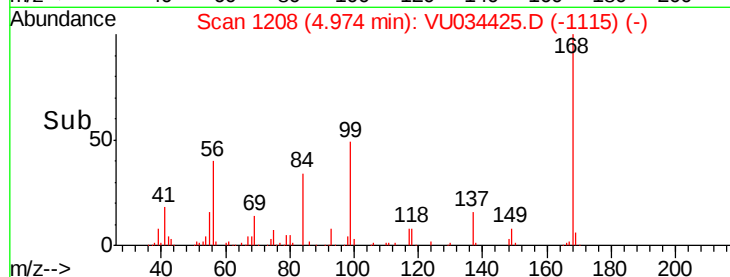
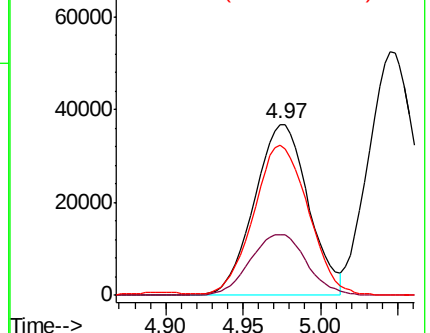
84 86.8 68.2 102.4



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#32

1,1,1-Trichloroethane

Concen: 19.931 ug/l

RT: 4.89 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

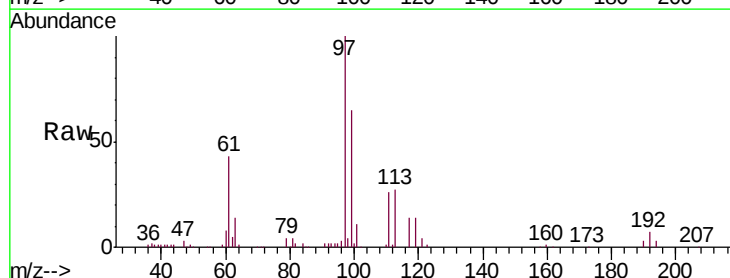
Tgt Ion: 97 Resp: 108753

Ion Ratio Lower Upper

97 100

99 63.8 50.9 76.3

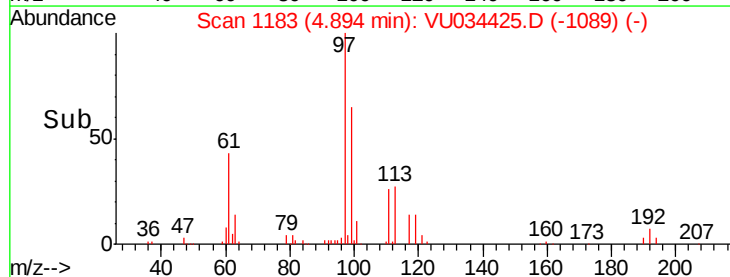
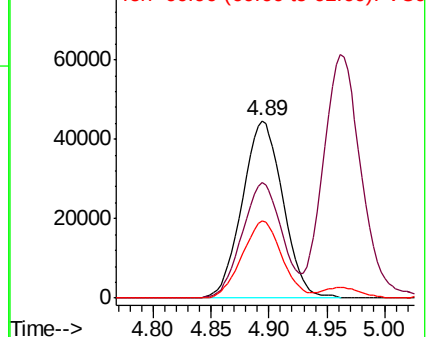
61 42.6 34.7 52.1

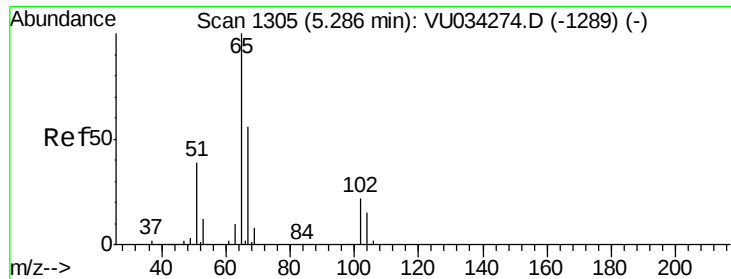


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

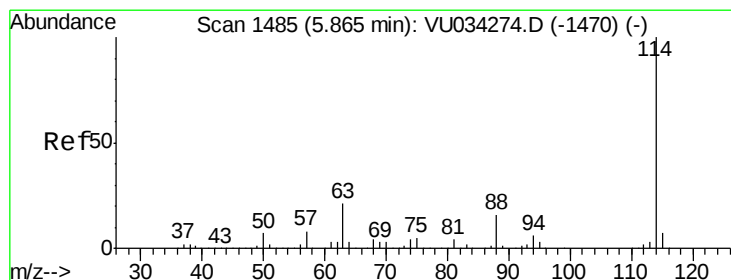
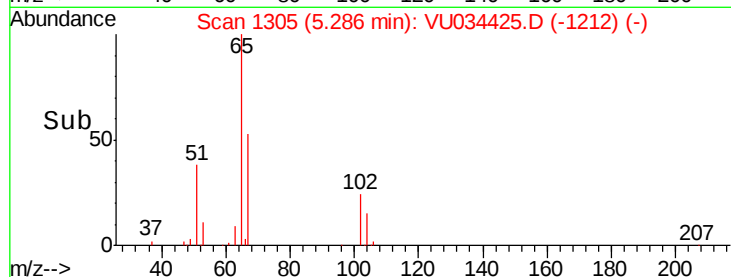
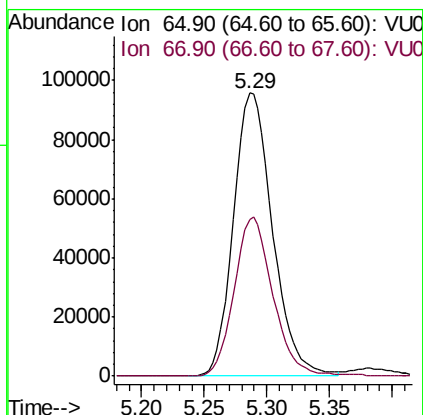
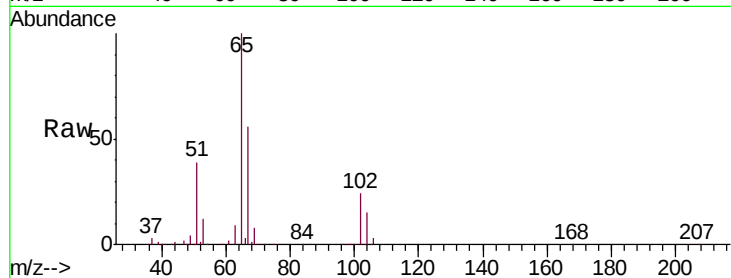




#33
 1,2-Dichloroethane-d4
 Concen: 49.564 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: VU034425.D
 Acq: 09 Sep 2019 12:03

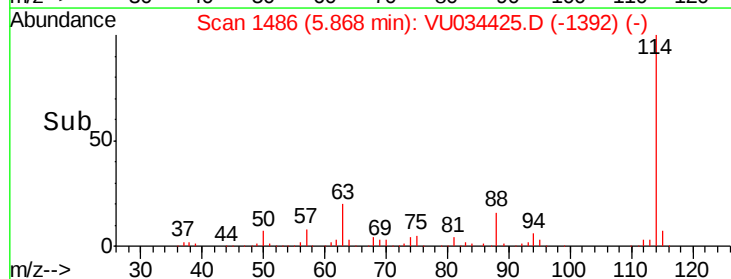
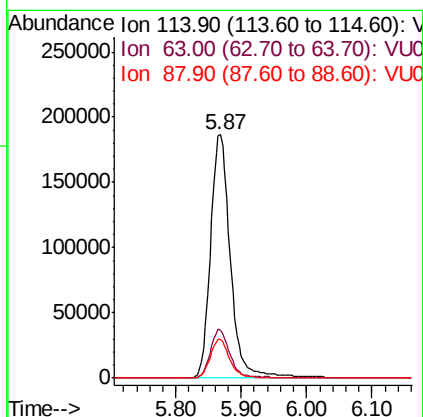
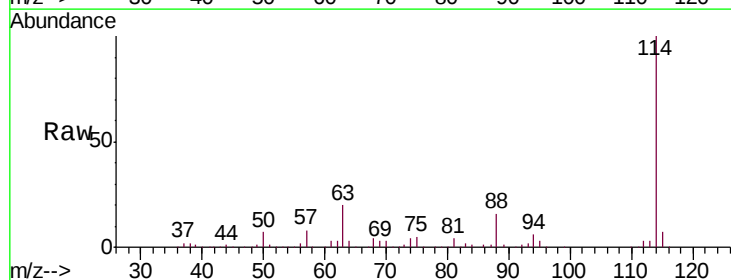
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0909WBS01

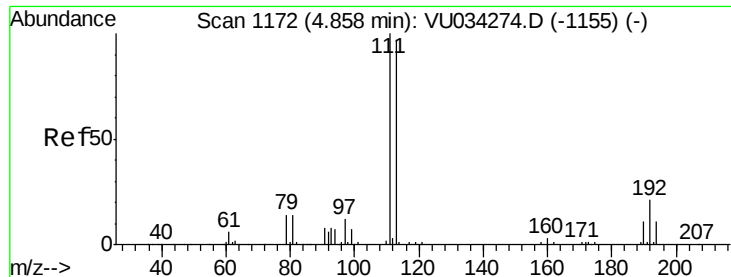
Tgt Ion: 65 Resp: 207854
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 112.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VU034425.D
 Acq: 09 Sep 2019 12:03

Tgt Ion: 114 Resp: 395162
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 42.4
 88 16.0 0.0 32.4

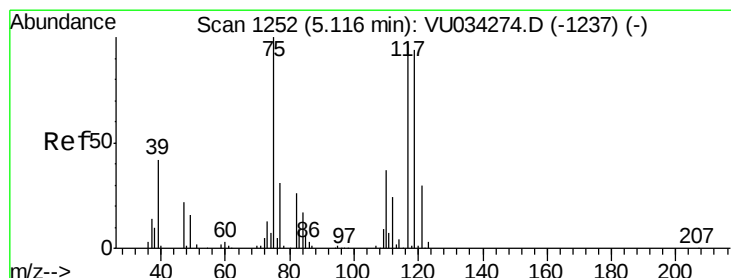
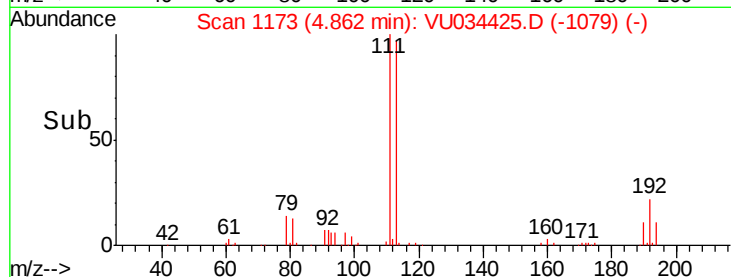
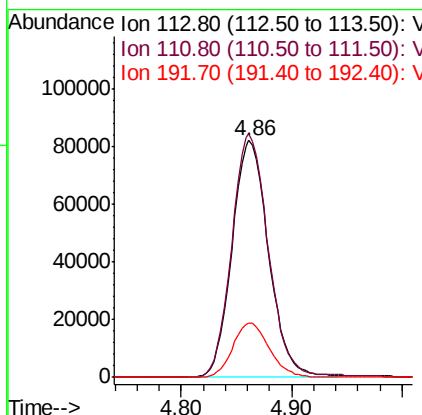
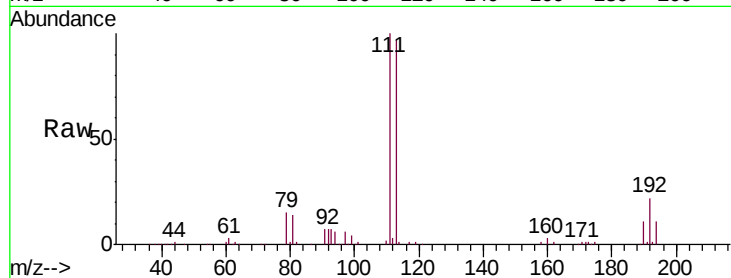




#35
 Dibromofluoromethane
 Concen: 51.428 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034425.D
 Acq: 09 Sep 2019 12:03

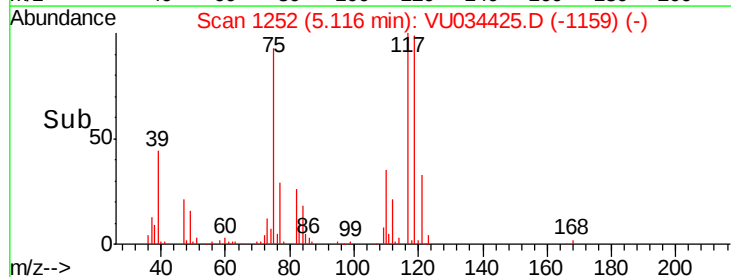
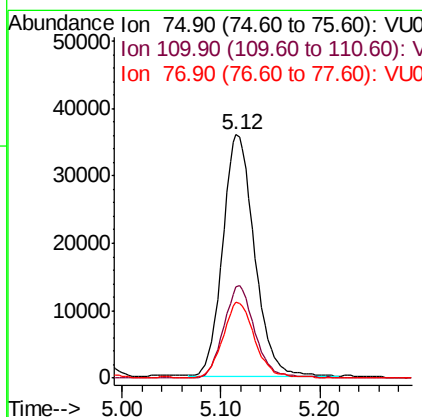
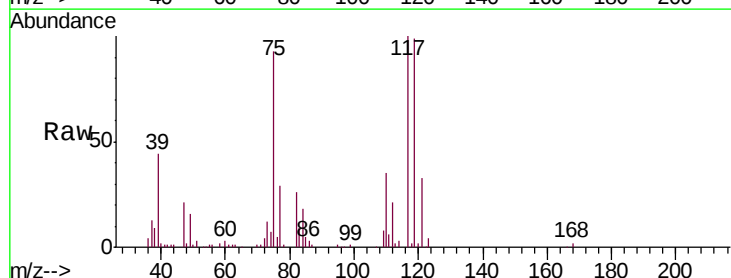
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0909WBS01

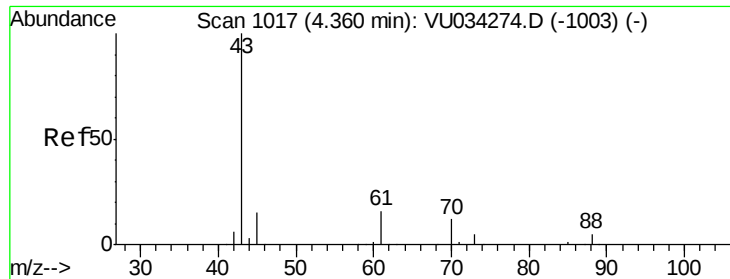
Tgt Ion: 113 Resp: 189101
 Ion Ratio Lower Upper
 113 100
 111 103.7 81.5 122.3
 192 22.8 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 18.813 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VU034425.D
 Acq: 09 Sep 2019 12:03

Tgt Ion: 75 Resp: 80624
 Ion Ratio Lower Upper
 75 100
 110 37.7 18.3 54.9
 77 31.4 24.9 37.3

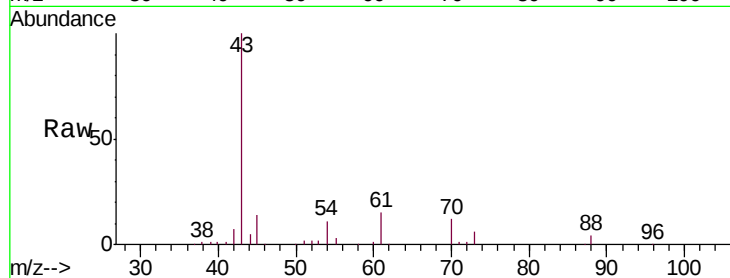




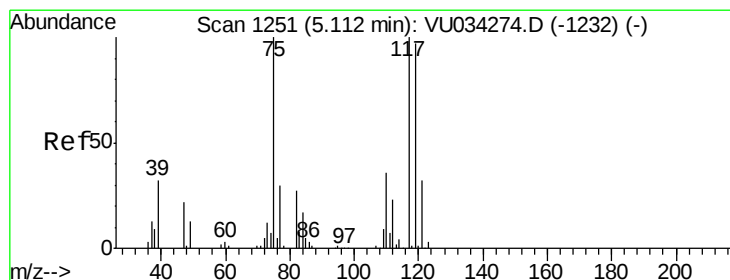
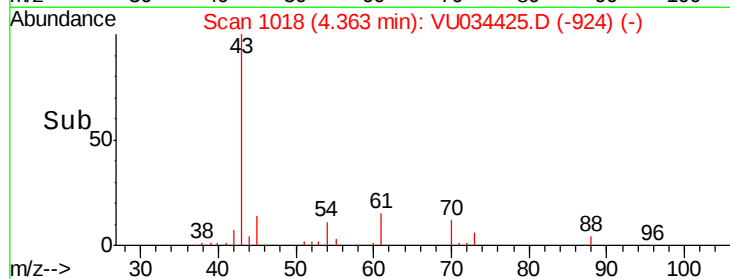
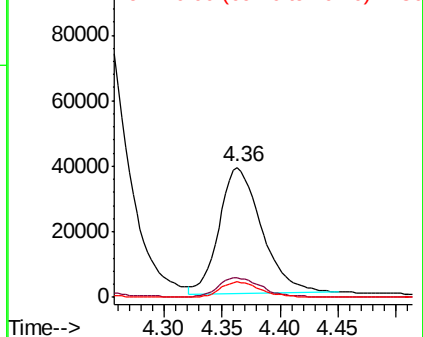
#37
 Ethyl Acetate
 Concen: 19.406 ug/l
 RT: 4.36 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VU034425.D
 Acq: 09 Sep 2019 12:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0909WBS01

Tgt Ion: 43 Resp: 98331
 Ion Ratio Lower Upper
 43 100
 61 14.7 12.3 18.5
 70 11.8 9.1 13.7

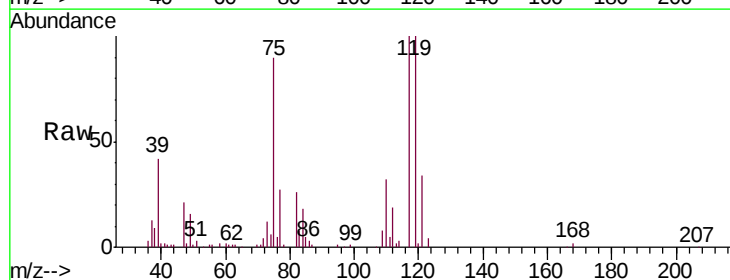


Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 70.00 (69.70 to 70.70): VU0

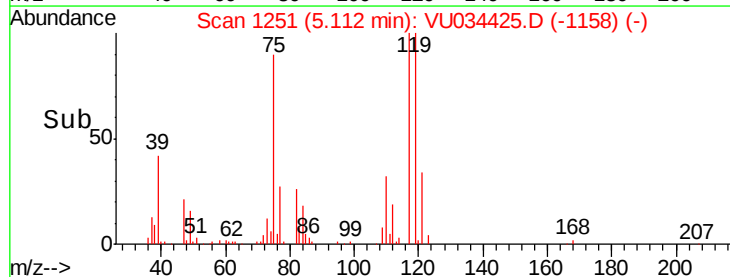
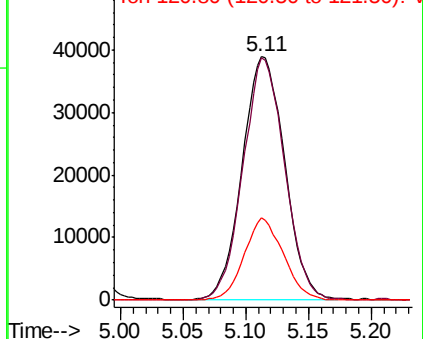


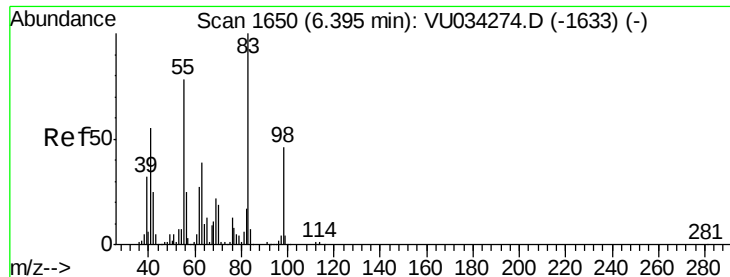
#38
 Carbon Tetrachloride
 Concen: 20.098 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VU034425.D
 Acq: 09 Sep 2019 12:03

Tgt Ion: 117 Resp: 91965
 Ion Ratio Lower Upper
 117 100
 119 99.7 77.8 116.6
 121 33.6 25.2 37.8



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

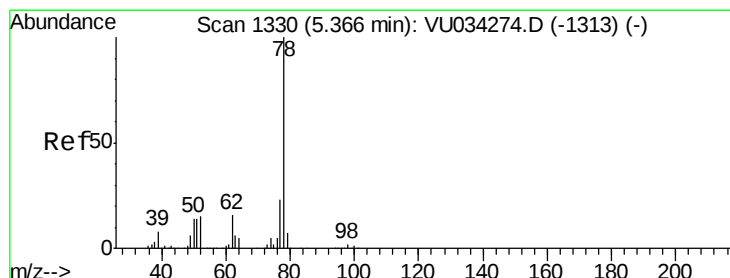
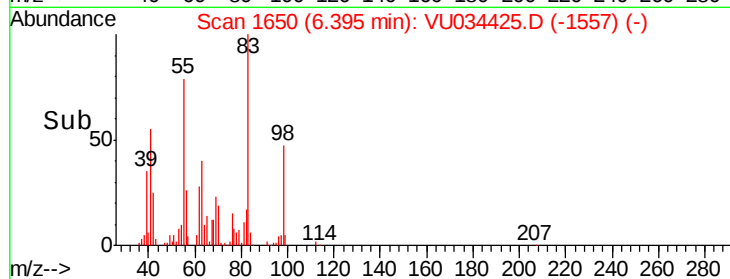
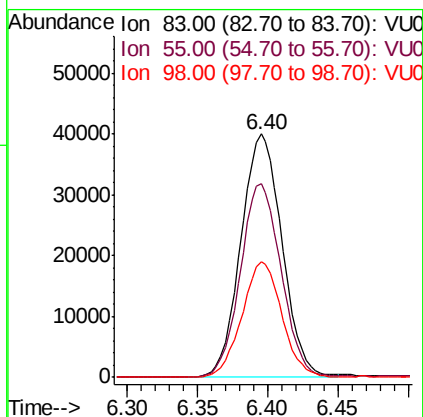
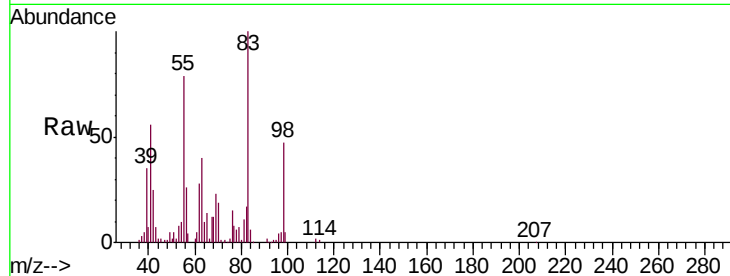




#39
Methylcyclohexane
Concen: 17.870 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

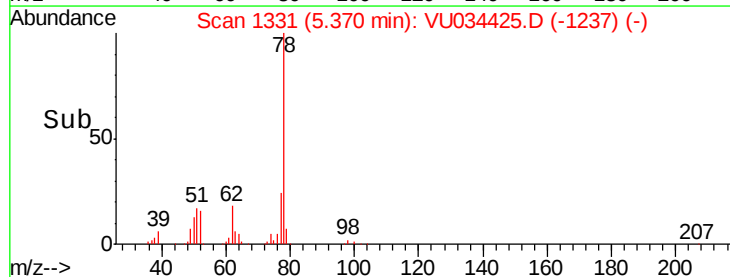
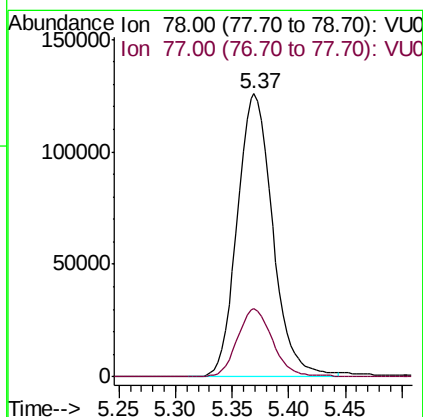
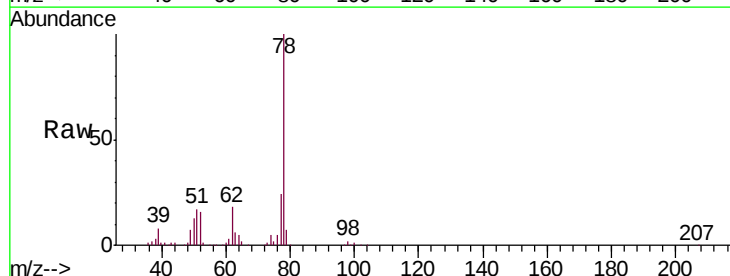
Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

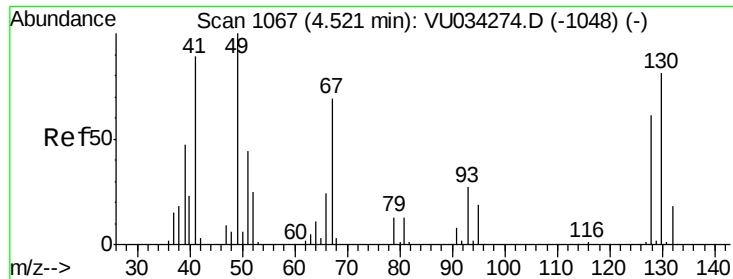
Tgt Ion: 83 Resp: 81867
Ion Ratio Lower Upper
83 100
55 79.4 62.1 93.1
98 47.4 37.0 55.6



#40
Benzene
Concen: 19.881 ug/l
RT: 5.37 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Tgt Ion: 78 Resp: 274921
Ion Ratio Lower Upper
78 100
77 24.0 18.7 28.1

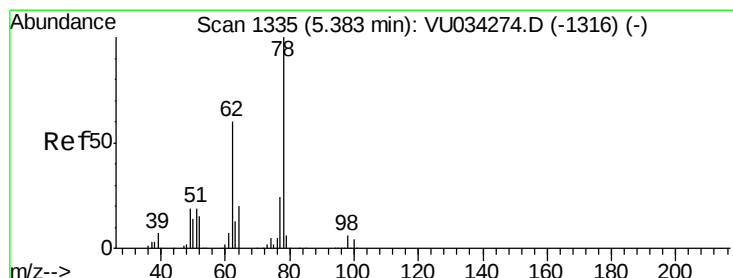
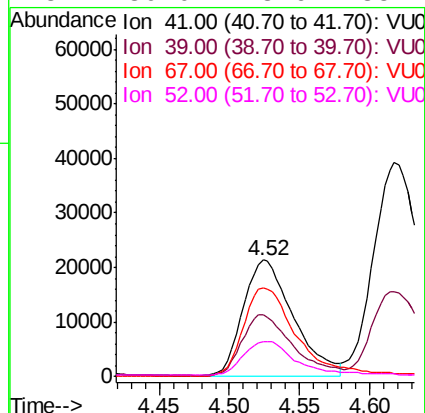
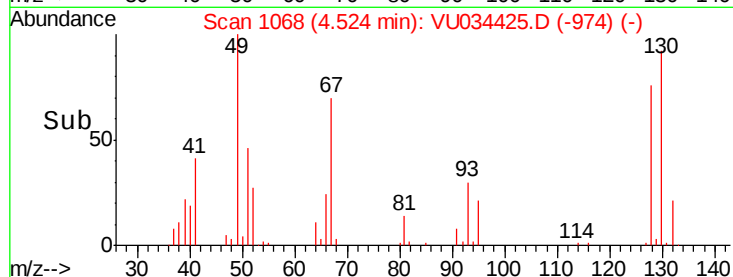
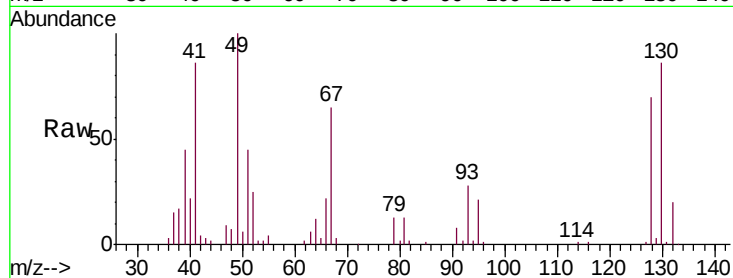




#41
Methacrylonitrile
Concen: 19.804 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

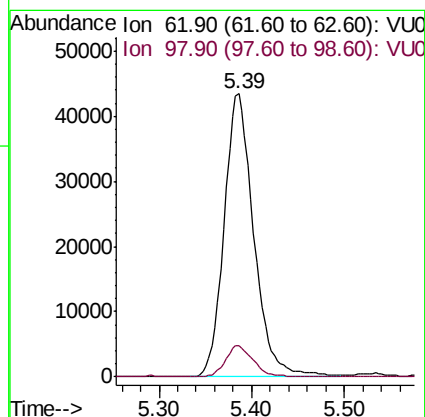
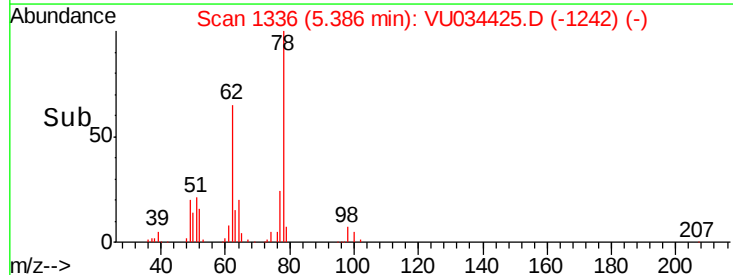
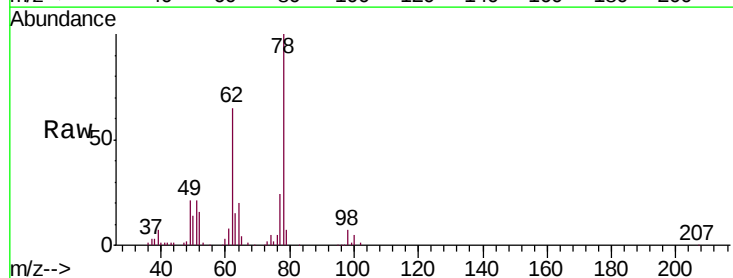
Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

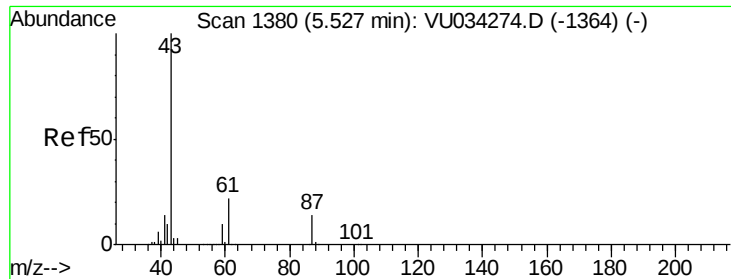
Tgt Ion:	41	Resp:	53450
Ion	Ratio	Lower	Upper
41	100		
39	53.9	41.0	61.4
67	81.4	62.4	93.6
52	30.0	23.6	35.4



#42
1,2-Dichloroethane
Concen: 20.095 ug/l
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Tgt Ion:	62	Resp:	96481
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.0

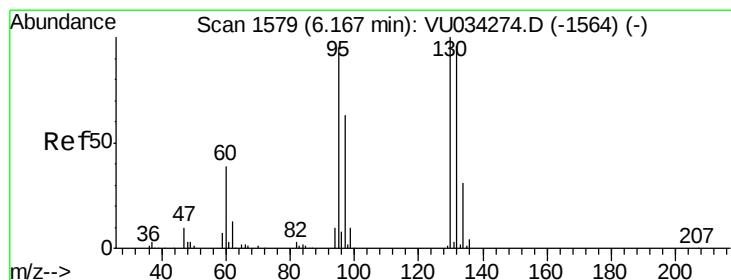
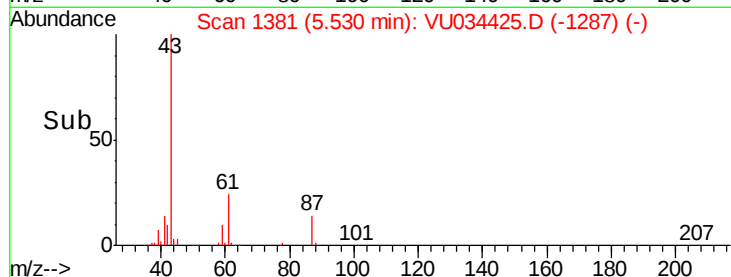
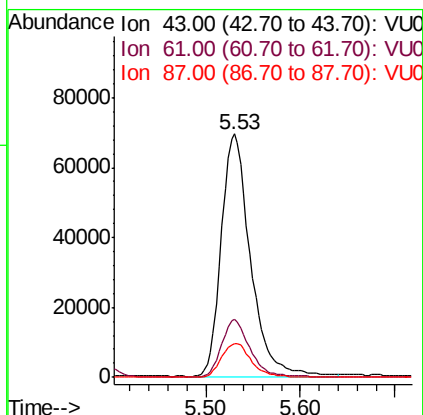
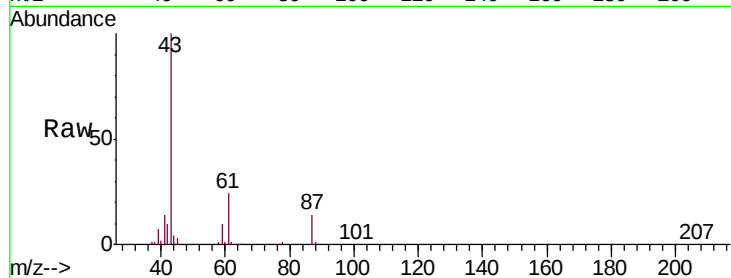




#43
Isopropyl Acetate
Concen: 18.940 ug/l
RT: 5.53 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

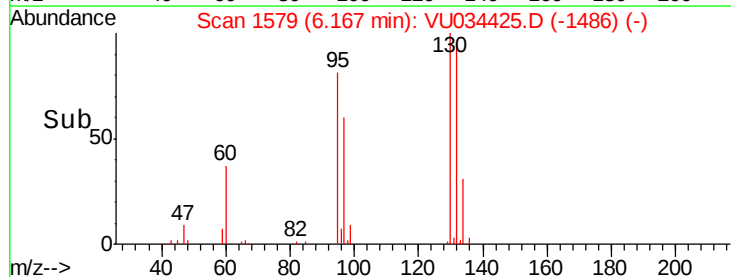
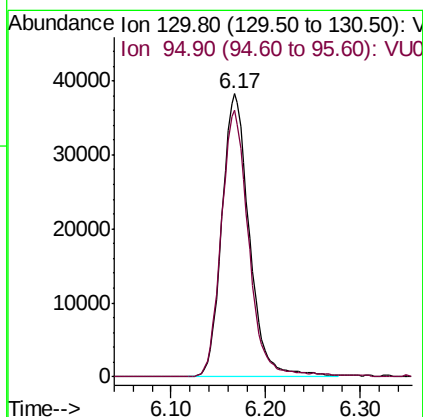
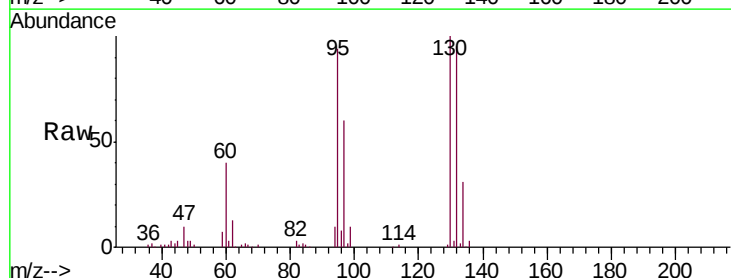
Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

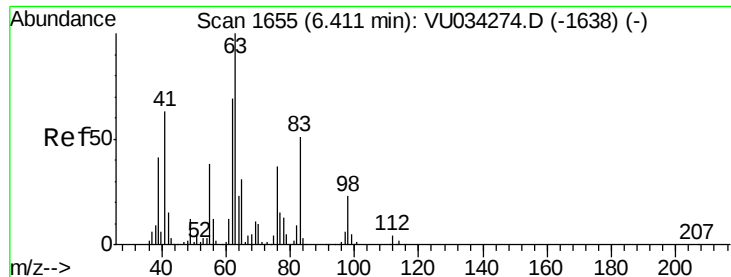
Tgt Ion: 43 Resp: 149707
Ion Ratio Lower Upper
43 100
61 23.3 17.1 25.7
87 14.3 11.1 16.7



#44
Trichloroethene
Concen: 20.175 ug/l
RT: 6.17 min Scan# 1579
Delta R.T. -0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Tgt Ion: 130 Resp: 77201
Ion Ratio Lower Upper
130 100
95 94.1 0.0 189.2





#45

1,2-Dichloropropane

Concen: 20.060 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

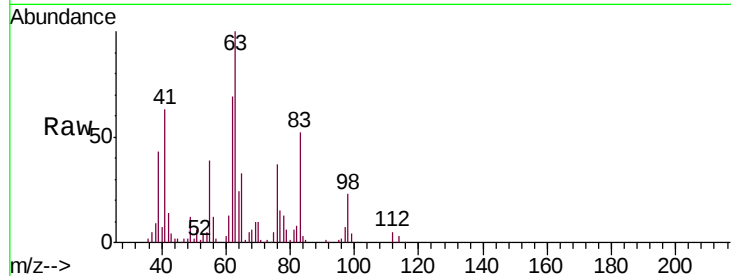
VU0909WBS01

Tgt Ion: 63 Resp: 81094

Ion Ratio Lower Upper

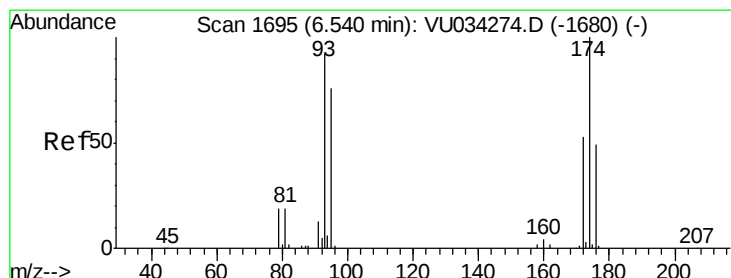
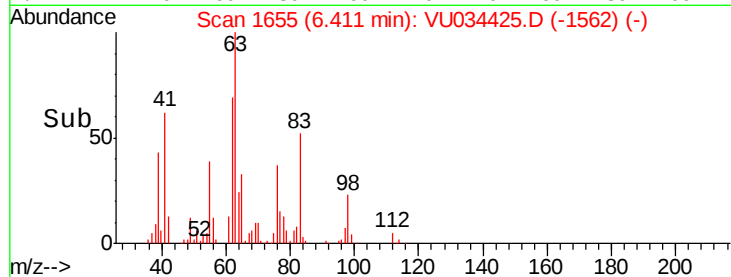
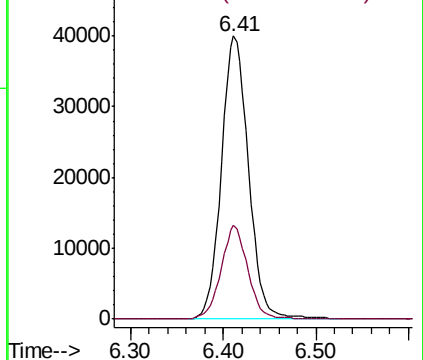
63 100

65 33.1 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 20.624 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

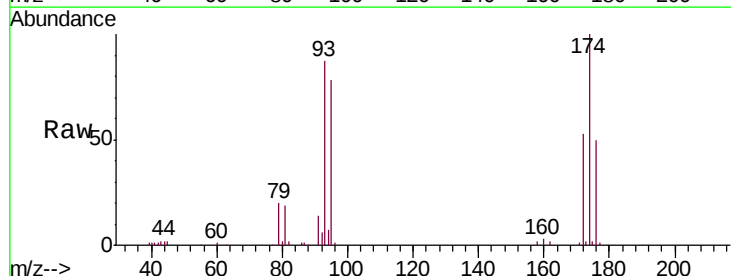
Tgt Ion: 93 Resp: 52336

Ion Ratio Lower Upper

93 100

95 84.5 66.5 99.7

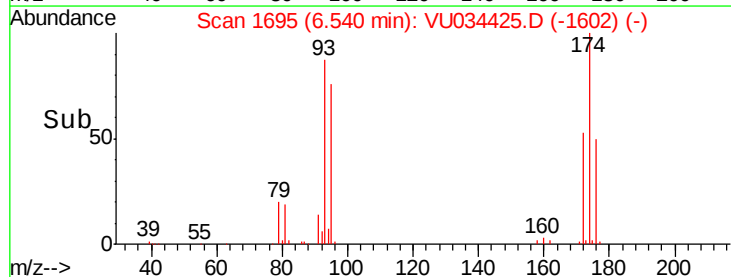
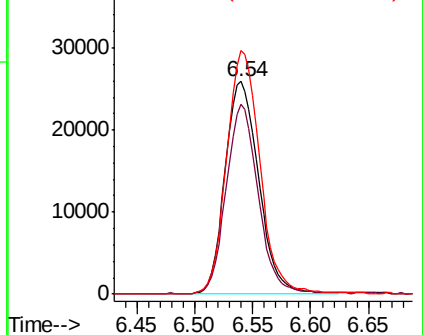
174 112.5 87.8 131.6

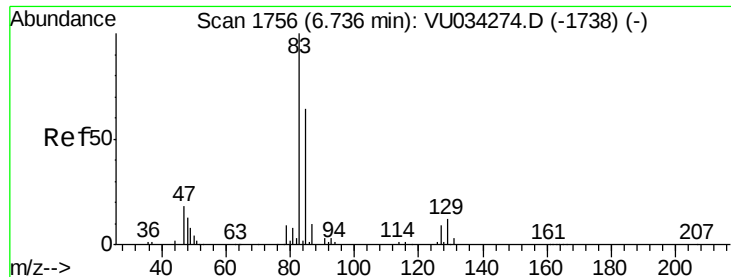


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.966 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBS01

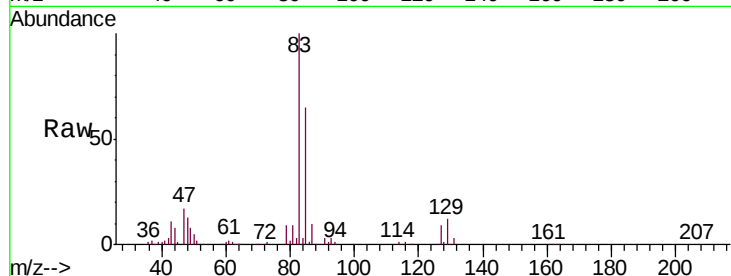
Tgt Ion: 83 Resp: 104291

Ion Ratio Lower Upper

83 100

85 65.4 51.1 76.7

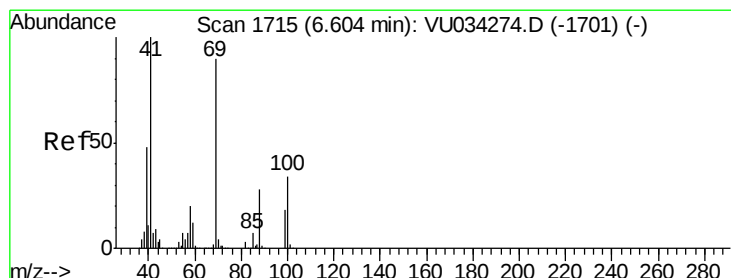
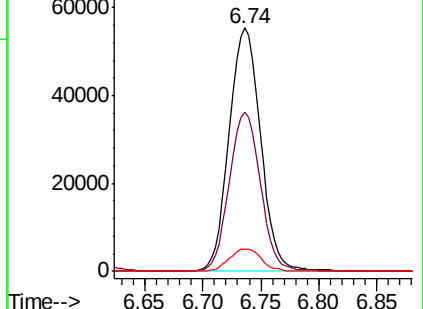
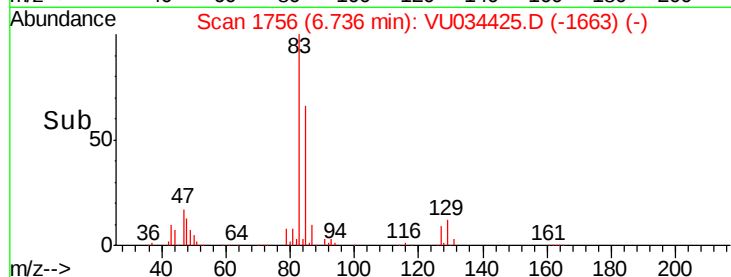
127 9.2 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VU034425.D (-1663) (-)

Ion 84.90 (84.60 to 85.60): VU034425.D (-1663) (-)

Ion 126.80 (126.50 to 127.50): VU034425.D (-1663) (-)



#48

Methyl methacrylate

Concen: 18.236 ug/l

RT: 6.60 min Scan# 1715

Delta R.T. -0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

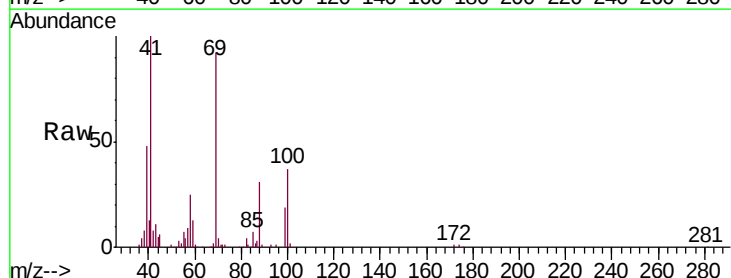
Tgt Ion: 41 Resp: 68462

Ion Ratio Lower Upper

41 100

69 94.2 72.8 109.2

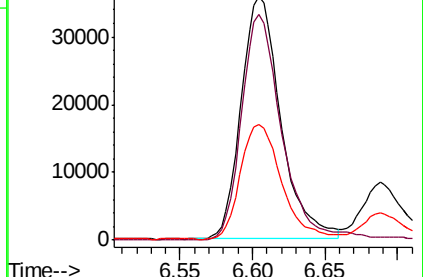
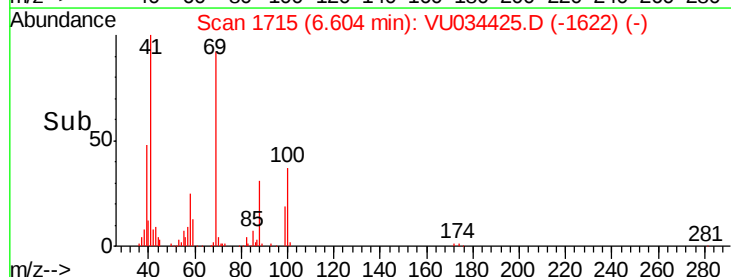
39 49.1 38.6 58.0

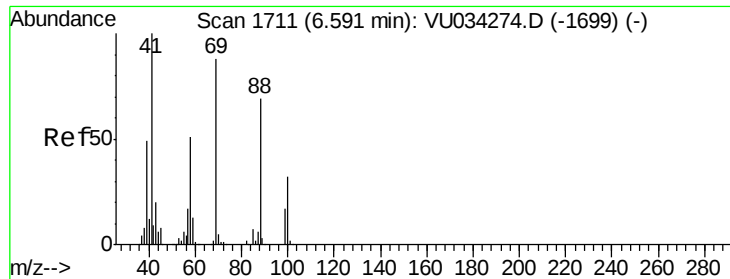


Abundance Ion 41.00 (40.70 to 41.70): VU034425.D (-1622) (-)

Ion 69.00 (68.70 to 69.70): VU034425.D (-1622) (-)

Ion 39.00 (38.70 to 39.70): VU034425.D (-1622) (-)

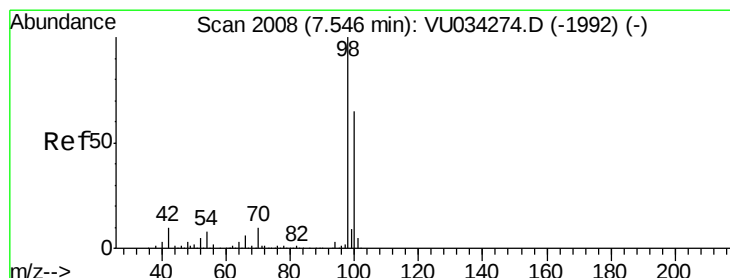
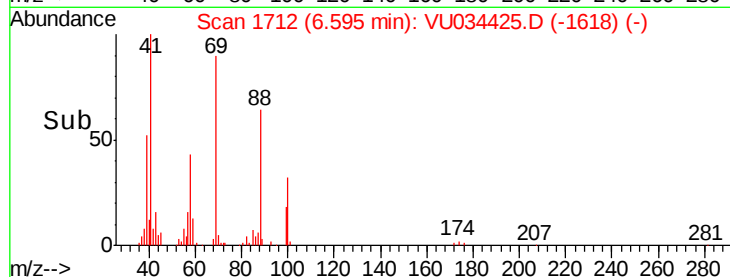
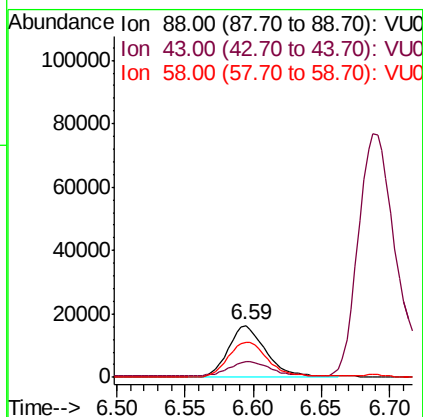
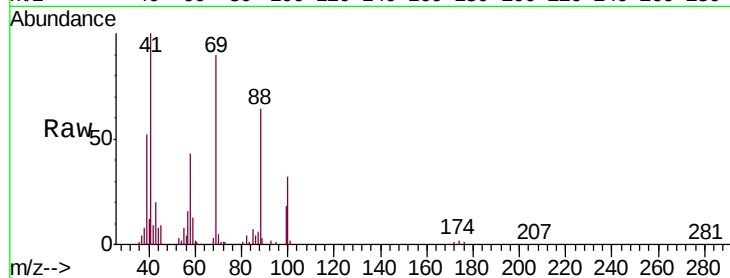




#49
 1,4-Dioxane
 Concen: 385.732 ug/l
 RT: 6.59 min Scan# 1712
 Delta R.T. 0.00 min
 Lab File: VU034425.D
 Acq: 09 Sep 2019 12:03

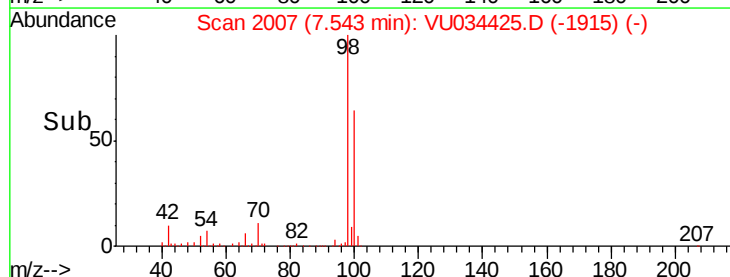
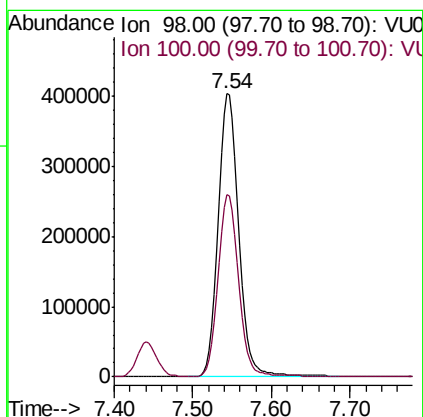
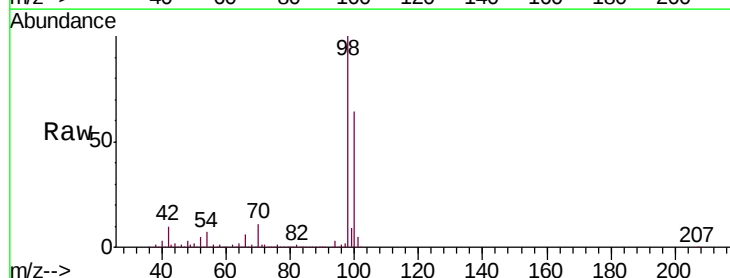
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0909WBS01

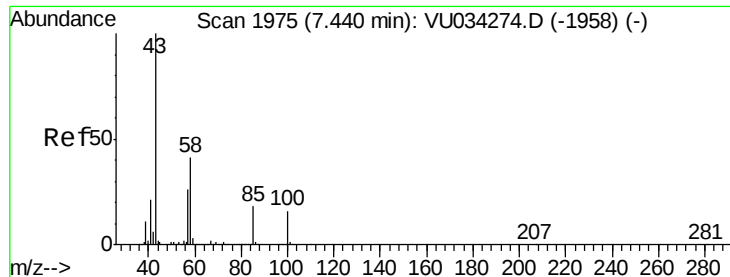
Tgt Ion: 88 Resp: 31622
 Ion Ratio Lower Upper
 88 100
 43 31.6 23.8 35.6
 58 71.8 58.4 87.6



#50
 Toluene-d8
 Concen: 52.775 ug/l
 RT: 7.54 min Scan# 2007
 Delta R.T. -0.00 min
 Lab File: VU034425.D
 Acq: 09 Sep 2019 12:03

Tgt Ion: 98 Resp: 729068
 Ion Ratio Lower Upper
 98 100
 100 64.1 51.7 77.5

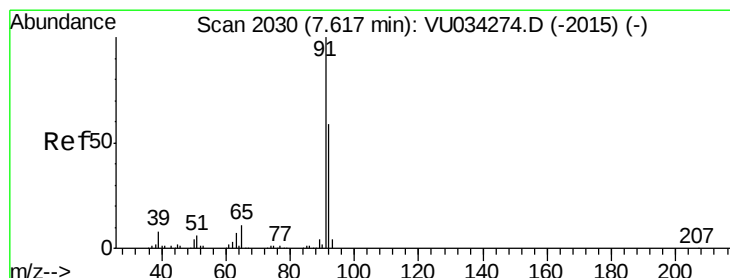
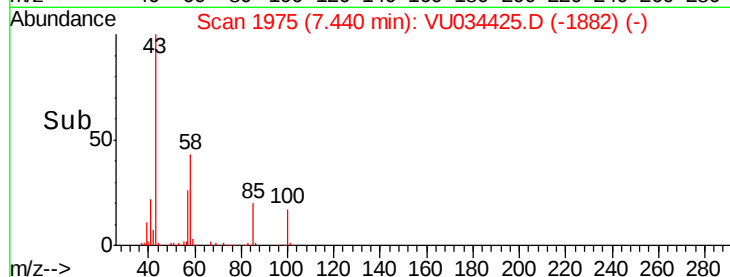
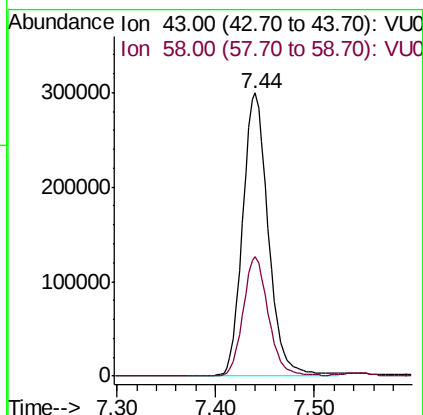
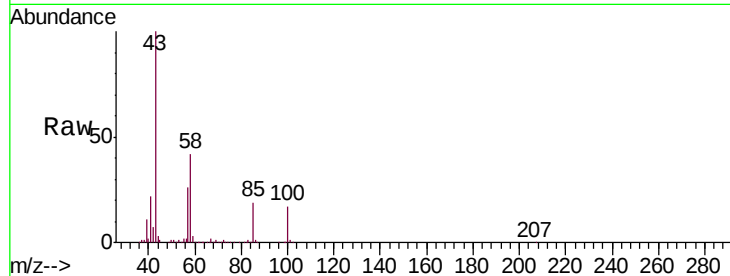




#51
 4-Methyl-2-Pentanone
 Concen: 97.750 ug/l
 RT: 7.44 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: VU034425.D
 Acq: 09 Sep 2019 12:03

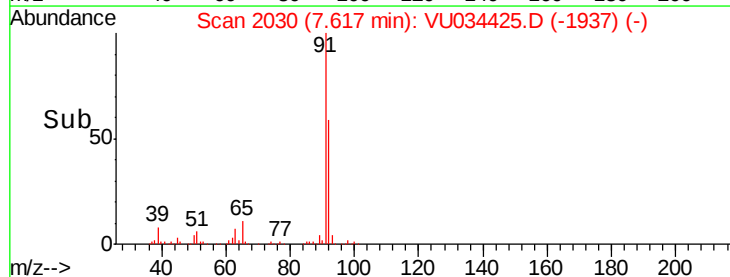
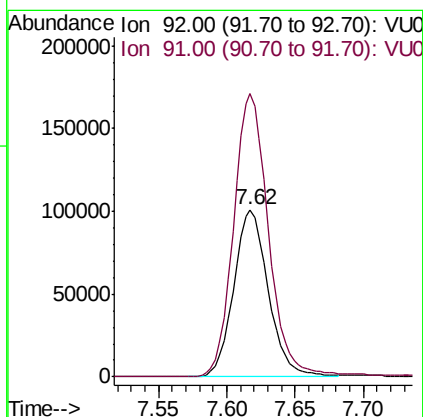
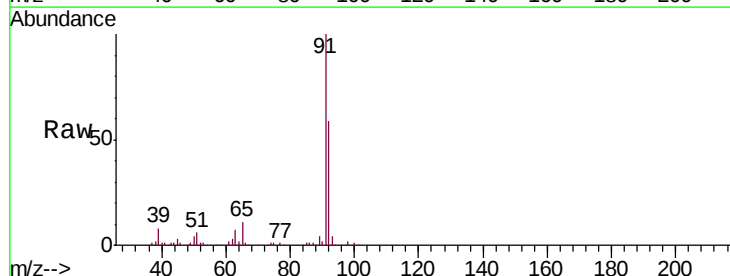
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0909WBS01

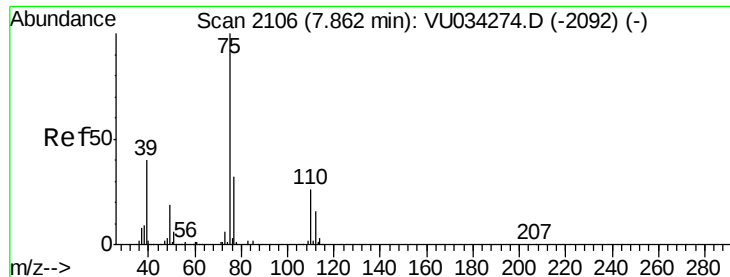
Tgt Ion: 43 Resp: 534825
 Ion Ratio Lower Upper
 43 100
 58 41.6 33.0 49.4



#52
 Toluene
 Concen: 20.478 ug/l
 RT: 7.62 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: VU034425.D
 Acq: 09 Sep 2019 12:03

Tgt Ion: 92 Resp: 177641
 Ion Ratio Lower Upper
 92 100
 91 172.4 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 19.064 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

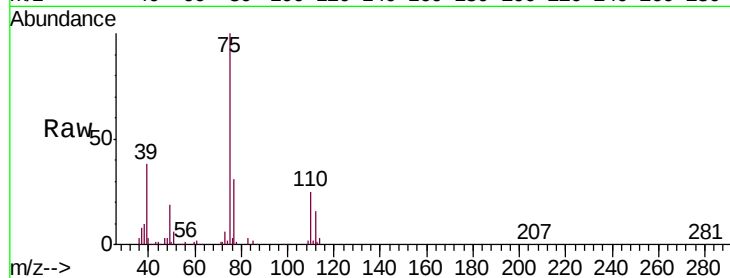
VU0909WBS01

Tgt Ion: 75 Resp: 103226

Ion Ratio Lower Upper

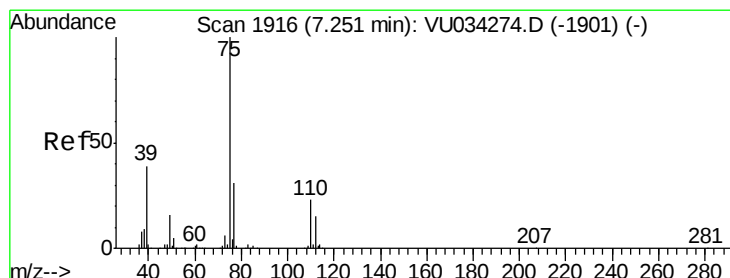
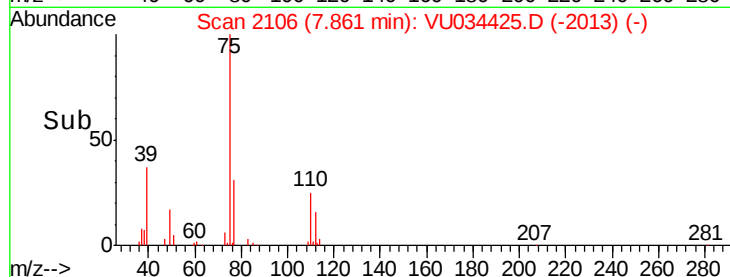
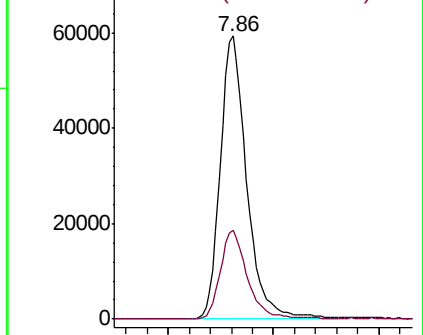
75 100

77 31.3 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 19.689 ug/l

RT: 7.25 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

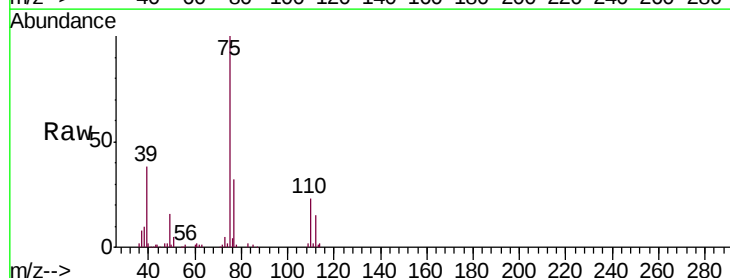
Tgt Ion: 75 Resp: 117006

Ion Ratio Lower Upper

75 100

77 31.9 25.1 37.7

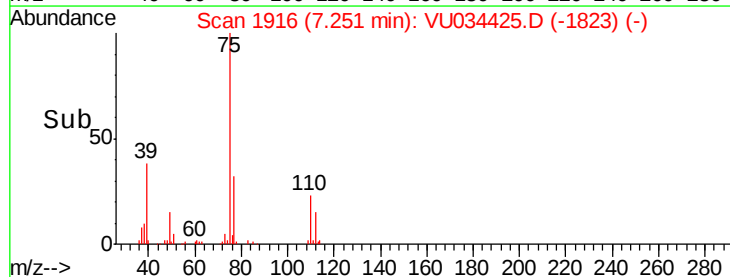
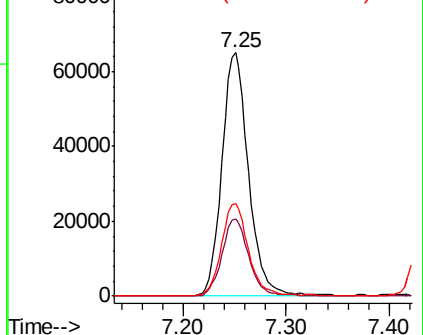
39 38.2 31.2 46.8

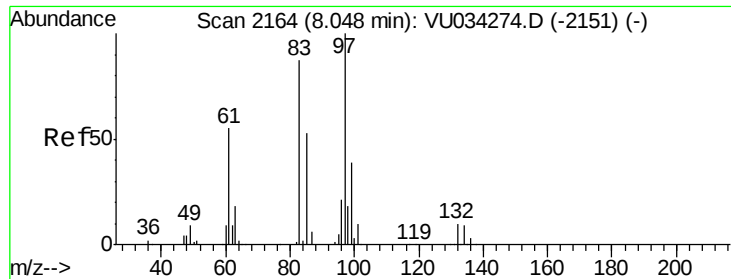


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

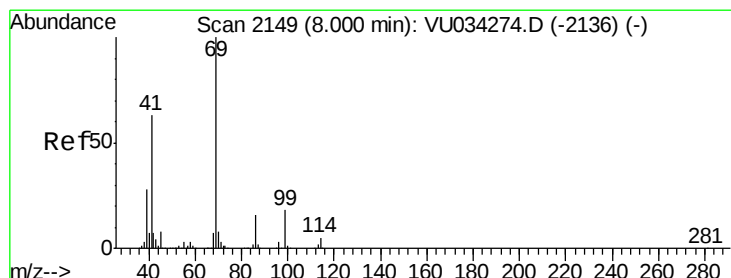
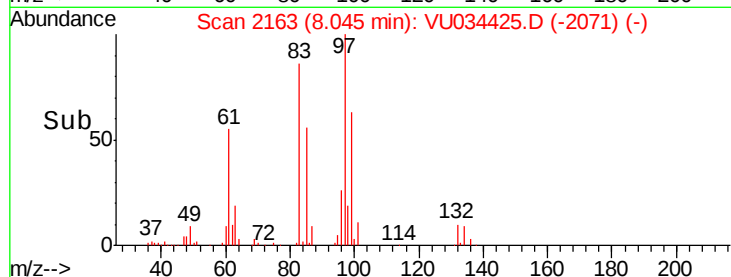
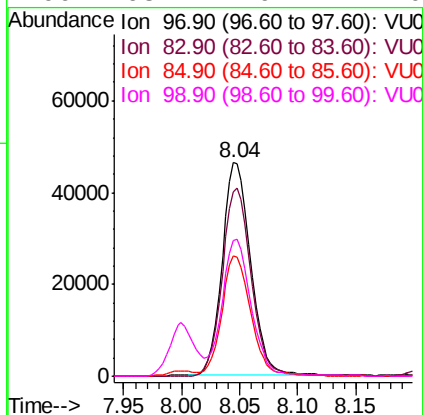
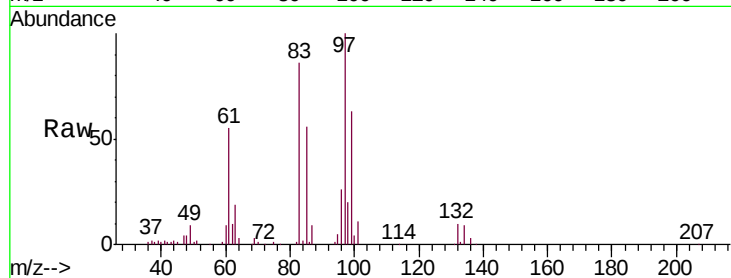




#55
 1,1,2-Trichloroethane
 Concen: 20.048 ug/l
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VU034425.D
 Acq: 09 Sep 2019 12:03

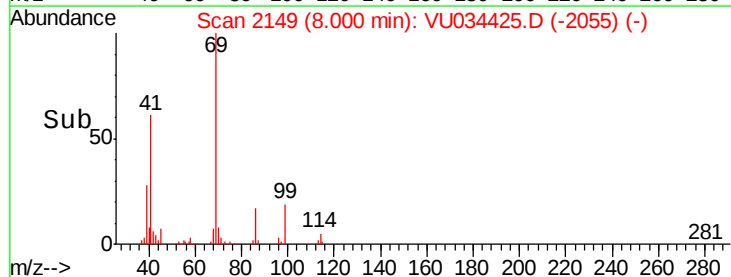
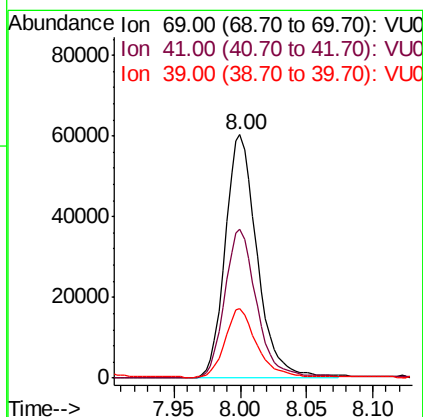
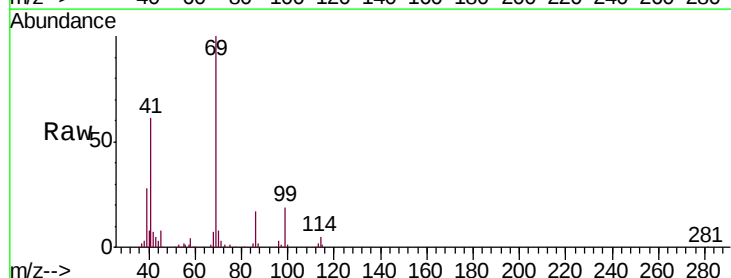
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0909WBS01

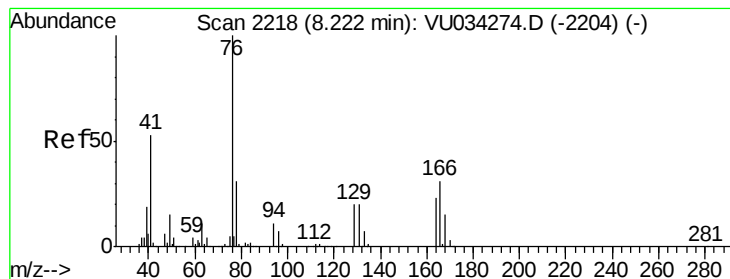
Tgt Ion:	97	Resp:	78969
Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.0	103.6
85	56.6	44.2	66.2
99	63.1	49.4	74.0



#56
 Ethyl methacrylate
 Concen: 18.922 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034425.D
 Acq: 09 Sep 2019 12:03

Tgt Ion:	69	Resp:	101043
Ion	Ratio	Lower	Upper
69	100		
41	60.4	49.5	74.3
39	27.9	22.5	33.7





#57

1,3-Dichloropropane

Concen: 19.971 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

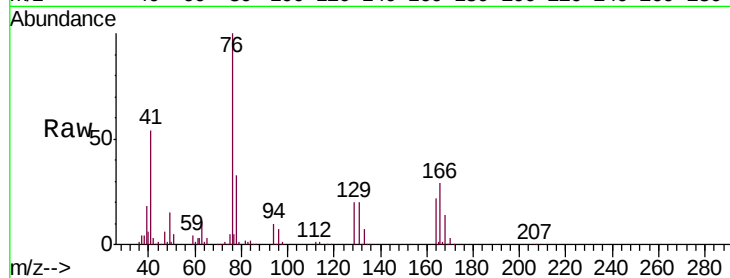
VU0909WBS01

Tgt Ion: 76 Resp: 128092

Ion Ratio Lower Upper

76 100

78 32.7 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

8.22

80000

60000

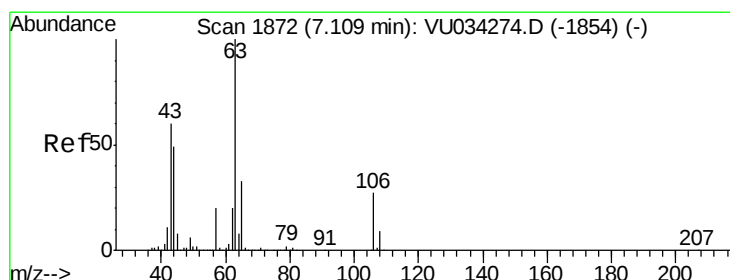
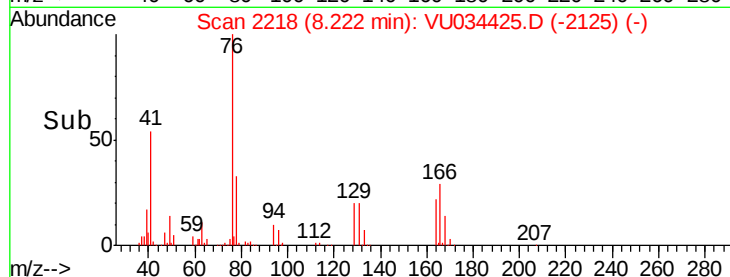
40000

20000

0

8.15 8.20 8.25 8.30

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 86.935 ug/l

RT: 7.11 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VU034425.D

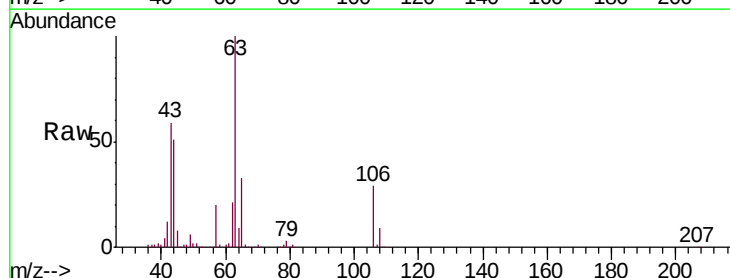
Acq: 09 Sep 2019 12:03

Tgt Ion: 63 Resp: 152509

Ion Ratio Lower Upper

63 100

106 27.7 21.6 32.4



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

7.11

100000

80000

60000

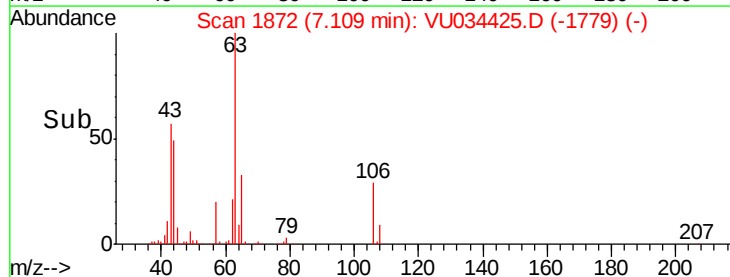
40000

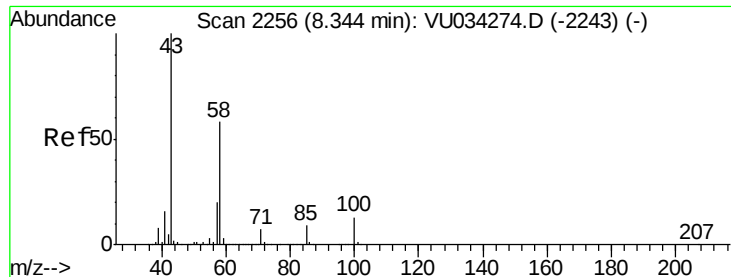
20000

0

7.00 7.10 7.20

Time-->

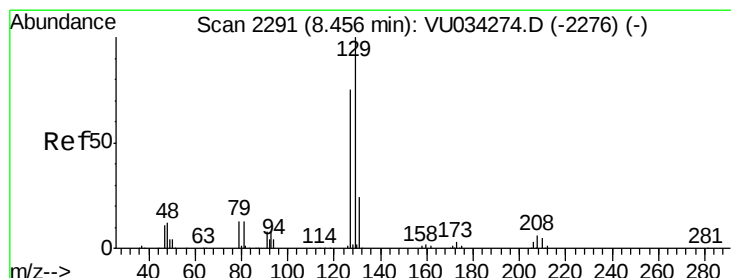
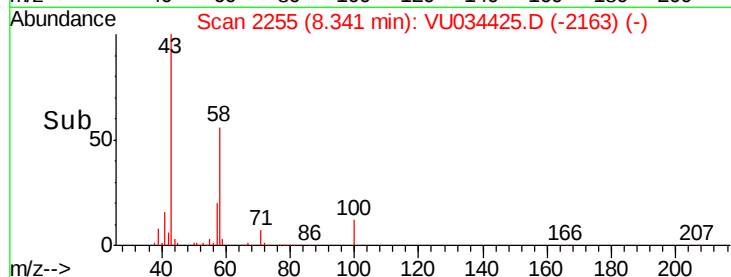
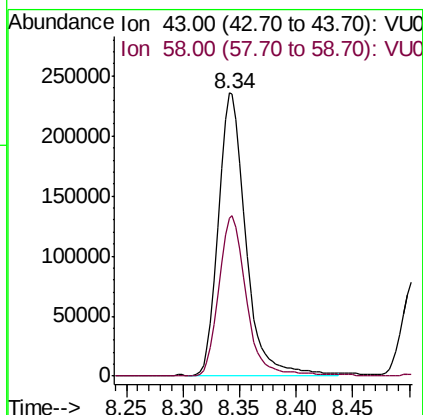
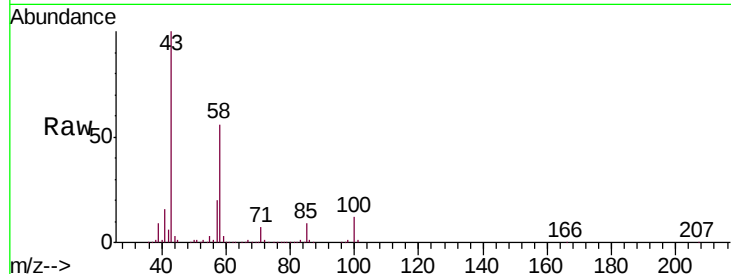




#59
2-Hexanone
Concen: 96.514 ug/l
RT: 8.34 min Scan# 2255
Delta R.T. -0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

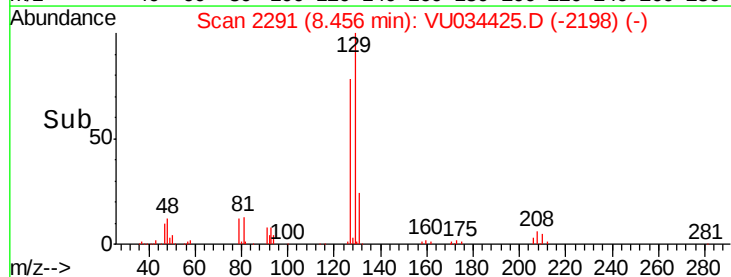
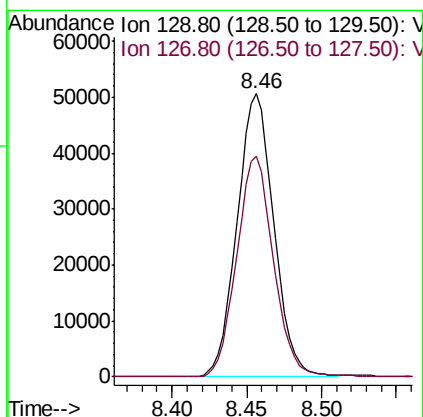
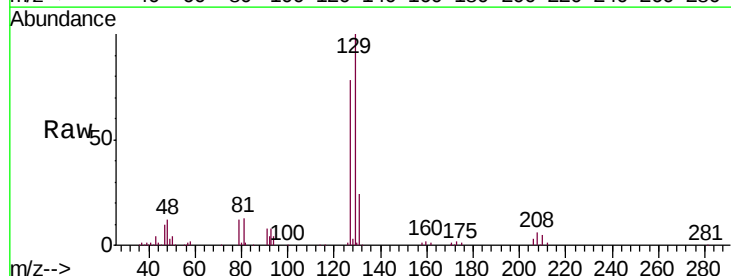
Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

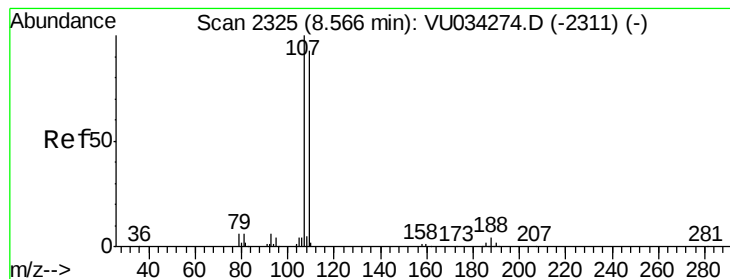
Tgt Ion: 43 Resp: 394491
Ion Ratio Lower Upper
43 100
58 58.1 28.8 86.5



#60
Dibromochloromethane
Concen: 20.495 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Tgt Ion: 129 Resp: 86591
Ion Ratio Lower Upper
129 100
127 78.2 37.9 113.7





#61

1,2-Dibromoethane

Concen: 20.584 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

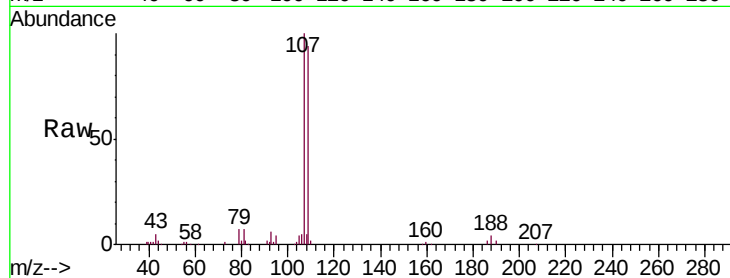
VU0909WBS01

Tgt Ion: 107 Resp: 79358

Ion Ratio Lower Upper

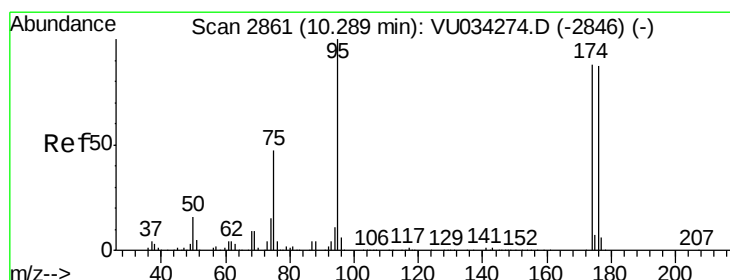
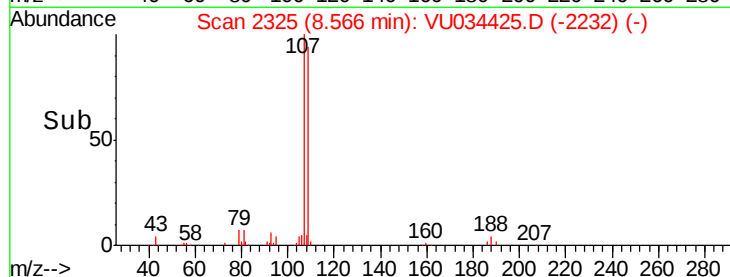
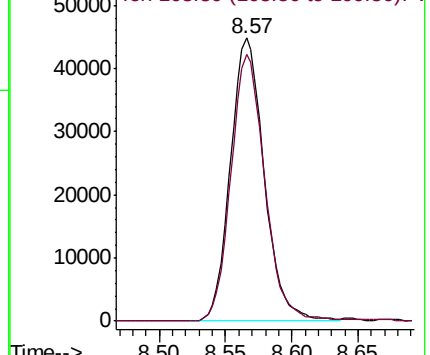
107 100

109 94.9 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.395 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

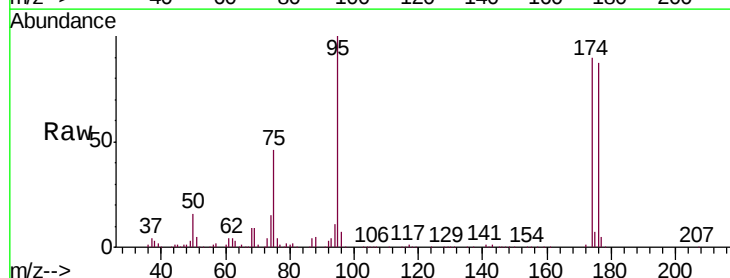
Tgt Ion: 95 Resp: 263460

Ion Ratio Lower Upper

95 100

174 89.9 0.0 175.2

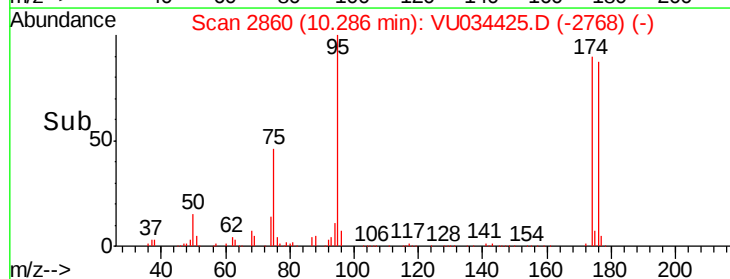
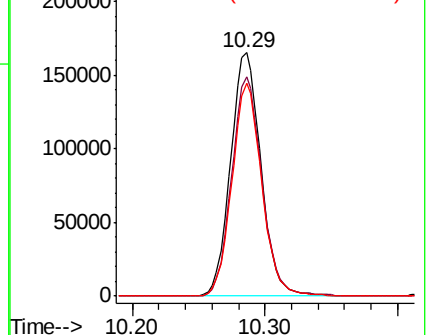
176 85.9 0.0 168.0

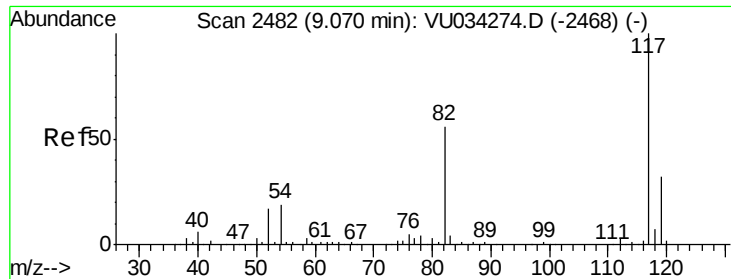


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

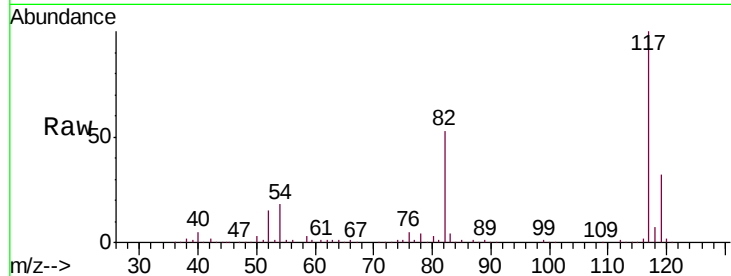




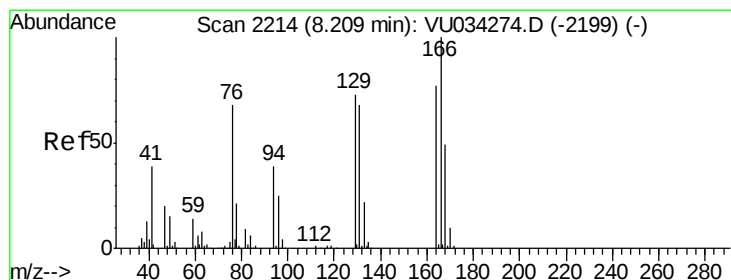
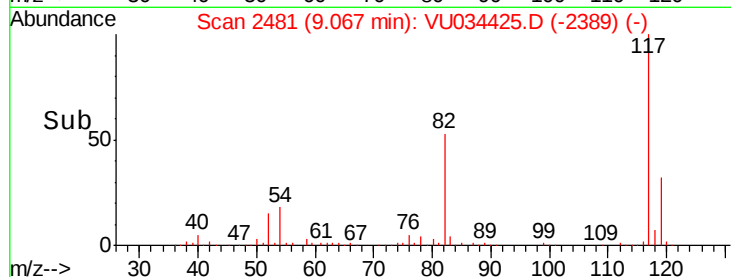
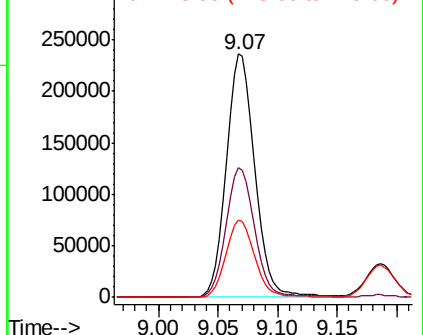
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2481
Delta R.T. -0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

Tgt Ion:117 Resp: 393868
Ion Ratio Lower Upper
117 100
82 53.2 44.6 67.0
119 31.9 25.9 38.9

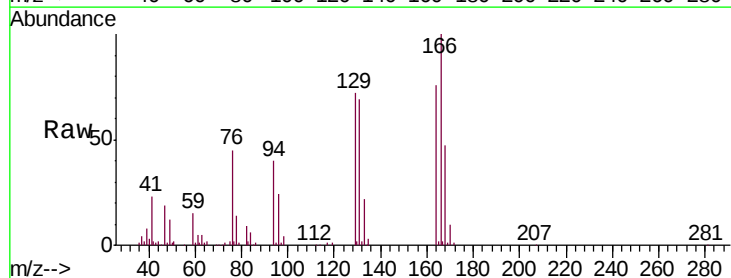


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

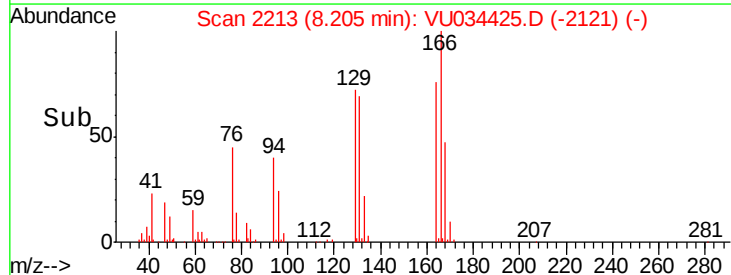
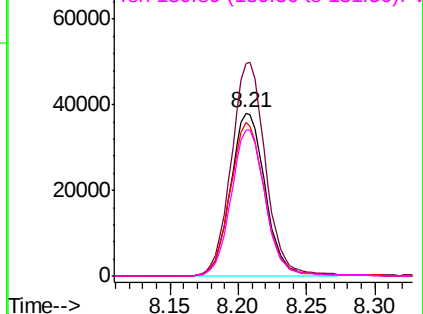


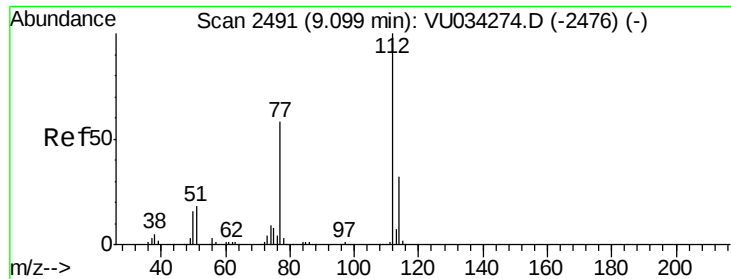
#64
Tetrachloroethene
Concen: 19.650 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Tgt Ion:164 Resp: 67145
Ion Ratio Lower Upper
164 100
166 130.7 103.7 155.5
129 93.9 75.8 113.8
131 89.6 70.7 106.1



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

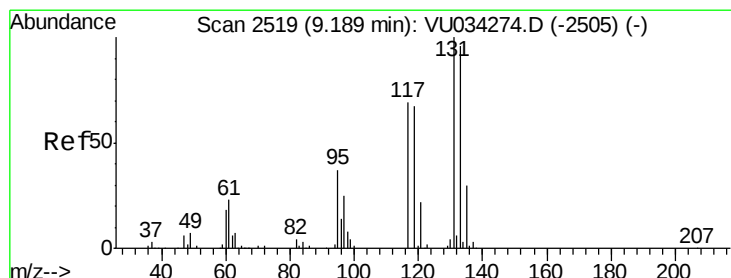
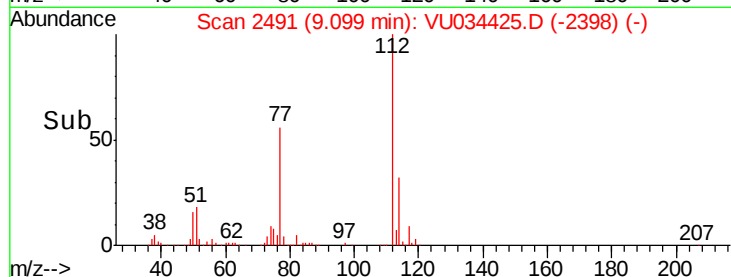
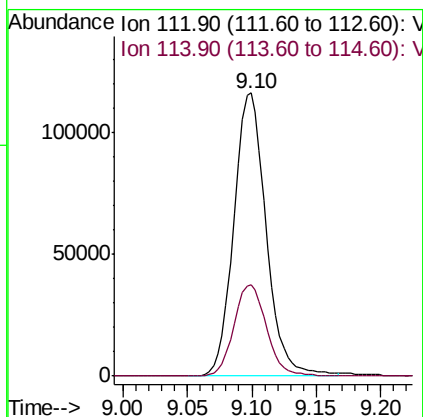
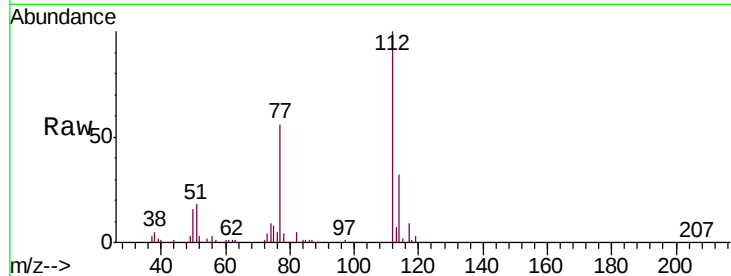




#65
Chlorobenzene
Concen: 20.230 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

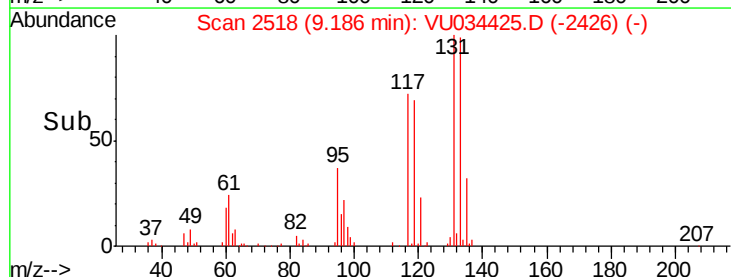
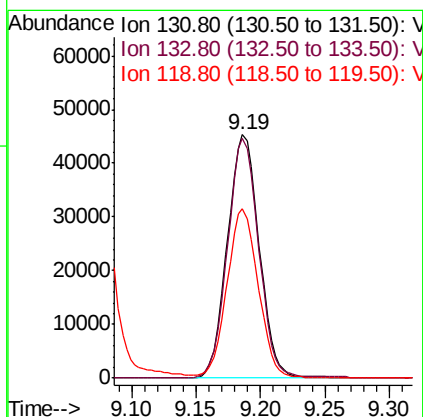
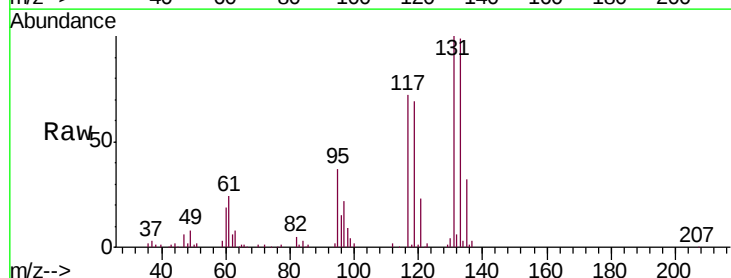
Instrument :
MSVOA_U
ClientSampled :
VU0909WBS01

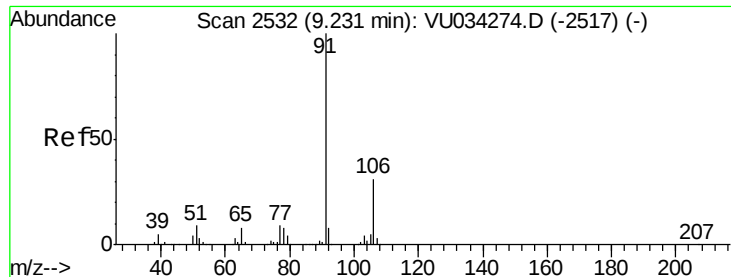
Tgt Ion:112 Resp: 202155
Ion Ratio Lower Upper
112 100
114 32.3 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.350 ug/l
RT: 9.19 min Scan# 2518
Delta R.T. -0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Tgt Ion:131 Resp: 77604
Ion Ratio Lower Upper
131 100
133 96.6 47.9 143.7
119 67.8 33.1 99.5





#67

Ethyl Benzene

Concen: 19.486 ug/l

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

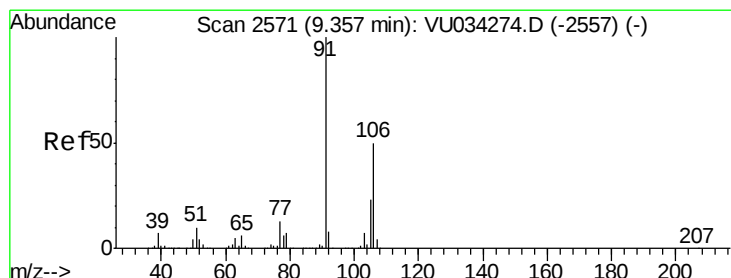
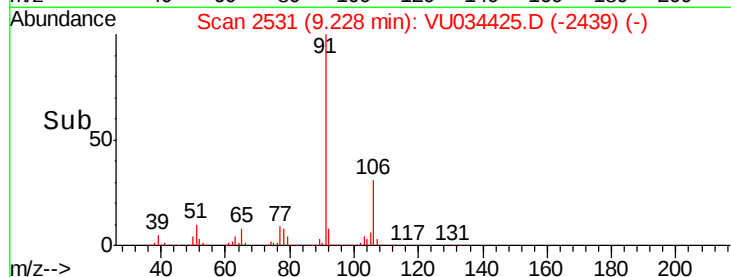
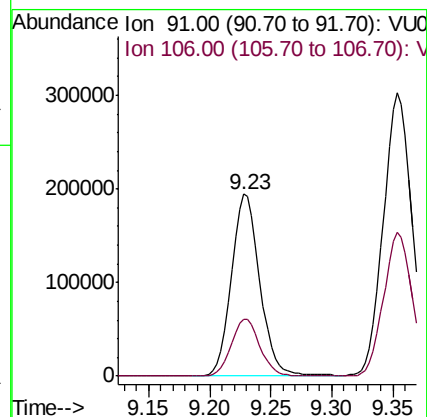
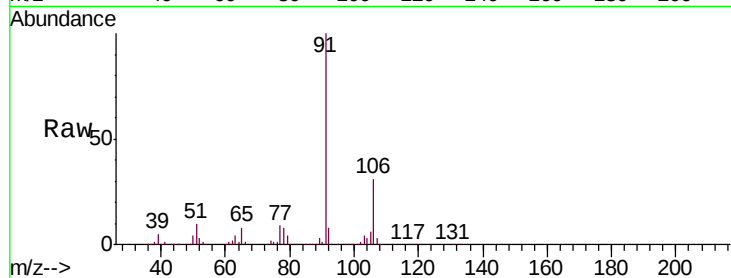
VU0909WBS01

Tgt Ion: 91 Resp: 318368

Ion Ratio Lower Upper

91 100

106 31.5 24.8 37.2



#68

m/p-Xylenes

Concen: 41.012 ug/l

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034425.D

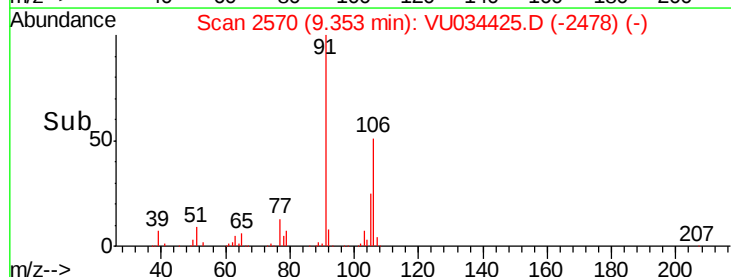
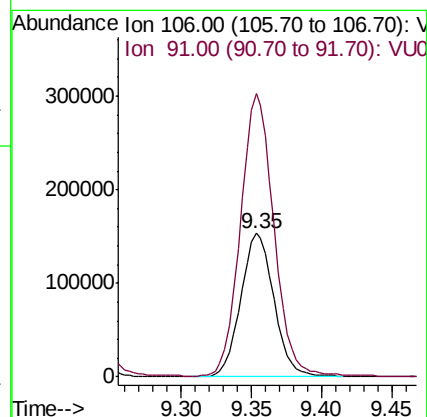
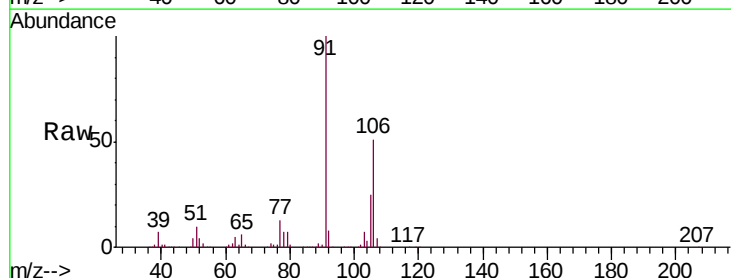
Acq: 09 Sep 2019 12:03

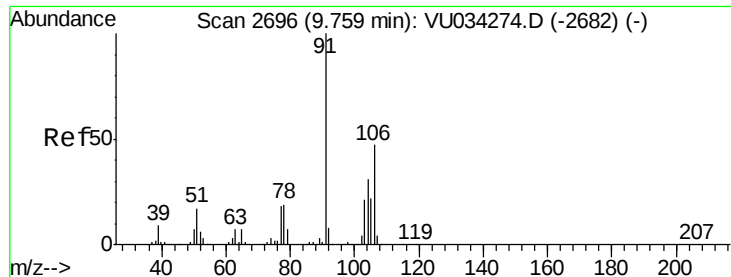
Tgt Ion: 106 Resp: 252321

Ion Ratio Lower Upper

106 100

91 200.2 160.1 240.1

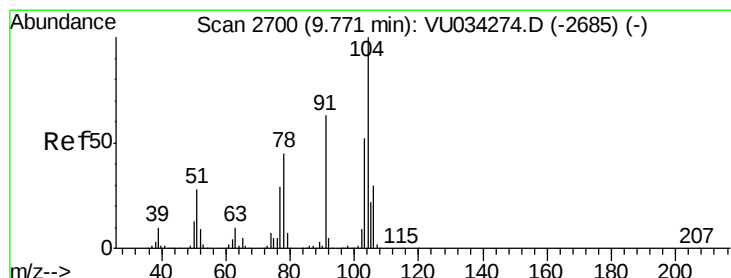
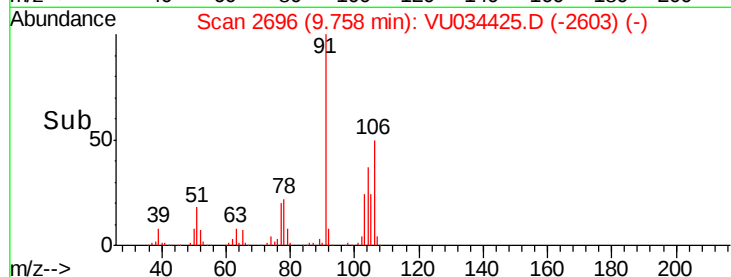
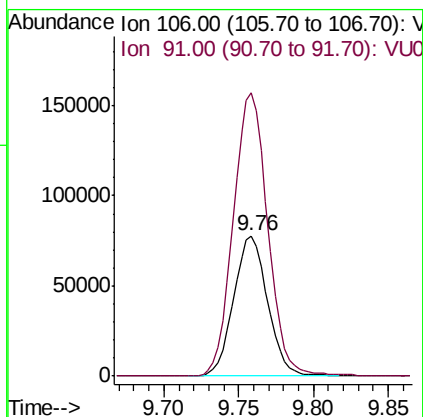
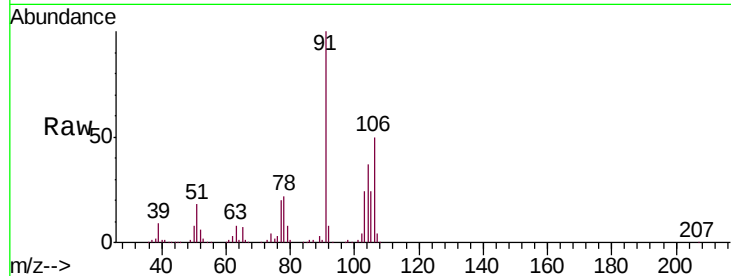




#69
o-Xylene
Concen: 20.452 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

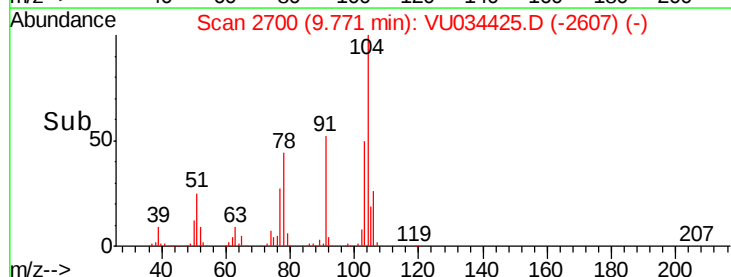
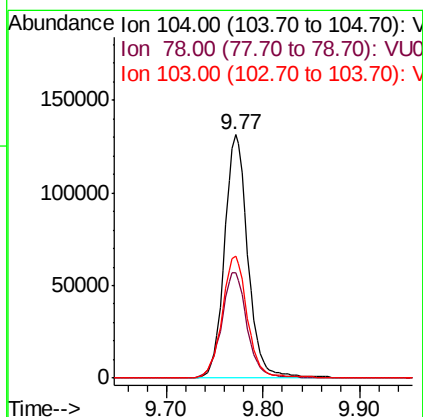
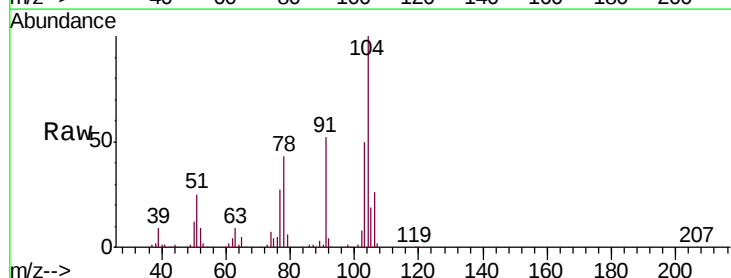
Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

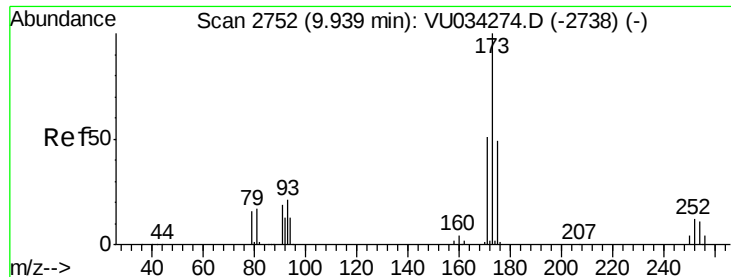
Tgt Ion:106 Resp: 123057
Ion Ratio Lower Upper
106 100
91 205.4 105.1 315.3



#70
Styrene
Concen: 20.961 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Tgt Ion:104 Resp: 221124
Ion Ratio Lower Upper
104 100
78 47.7 38.6 57.8
103 54.2 44.2 66.4





#71

Bromoform

Concen: 20.272 ug/l

RT: 9.94 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBS01

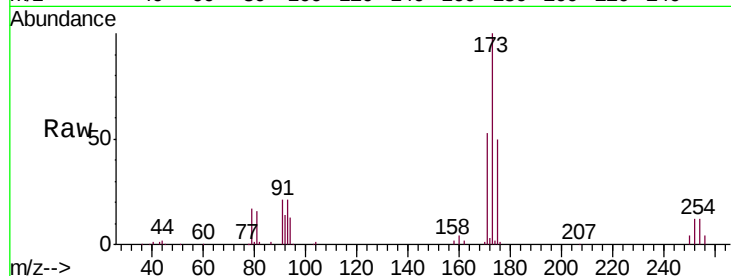
Tgt Ion:173 Resp: 66999

Ion Ratio Lower Upper

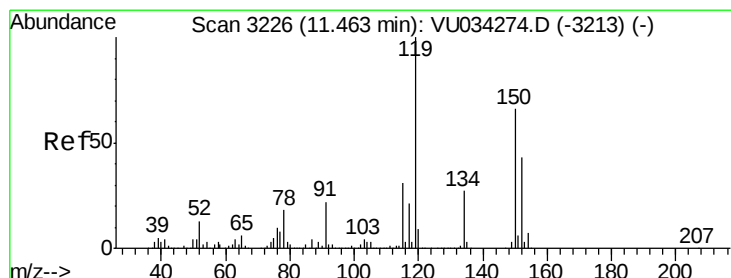
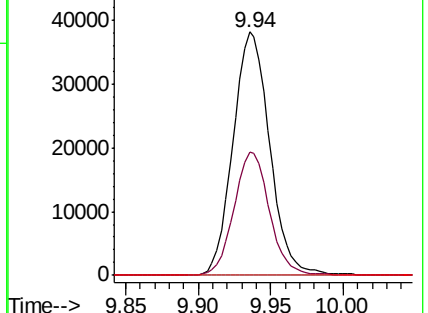
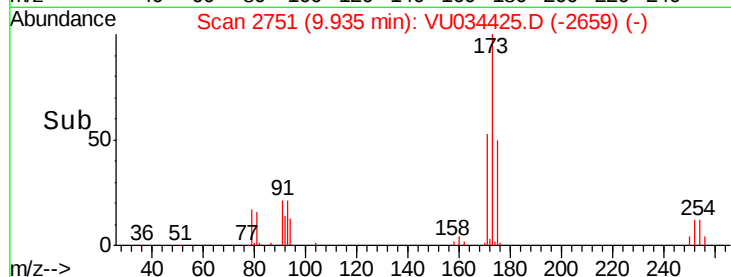
173 100

175 49.0 24.4 73.2

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3225

Delta R.T. -0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

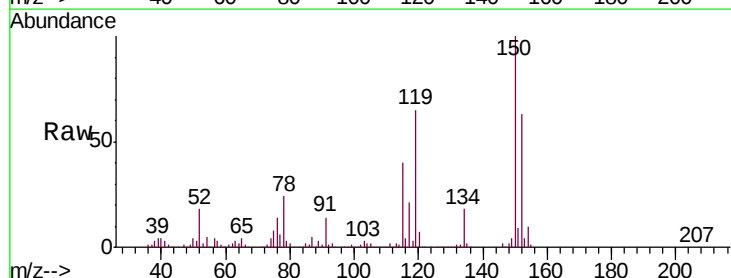
Tgt Ion:152 Resp: 264032

Ion Ratio Lower Upper

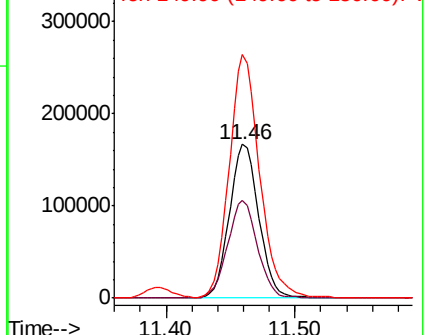
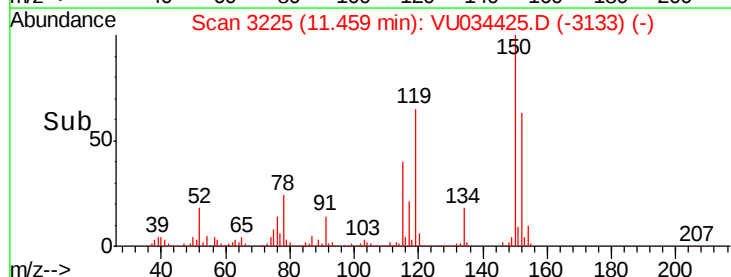
152 100

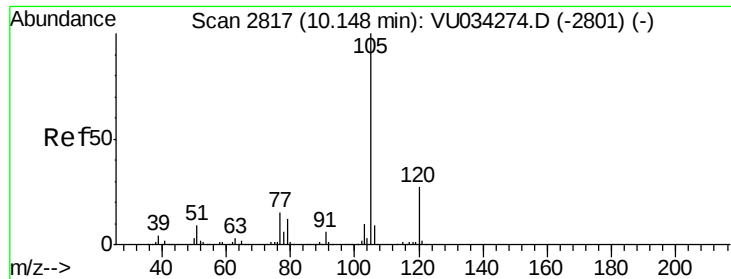
115 64.7 39.1 117.3

150 163.3 0.0 345.4



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: 19.462 ug/l

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

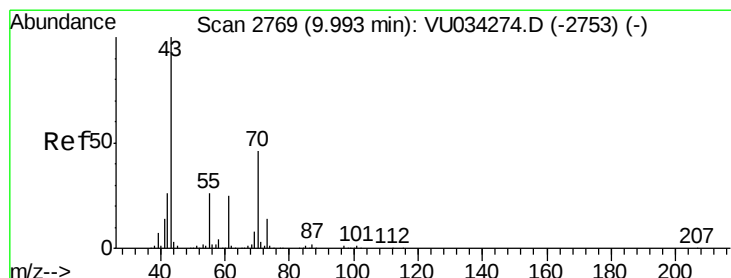
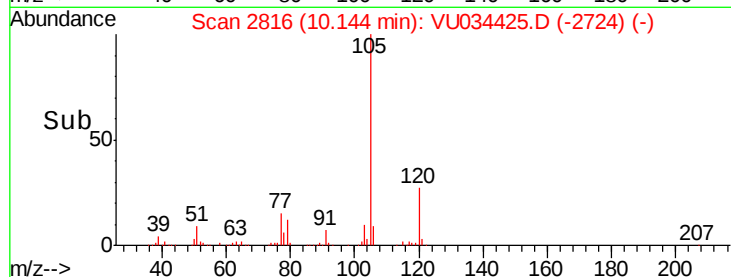
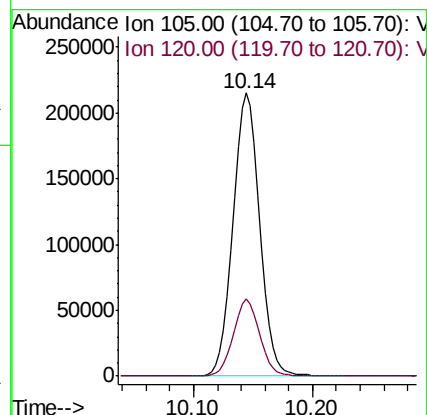
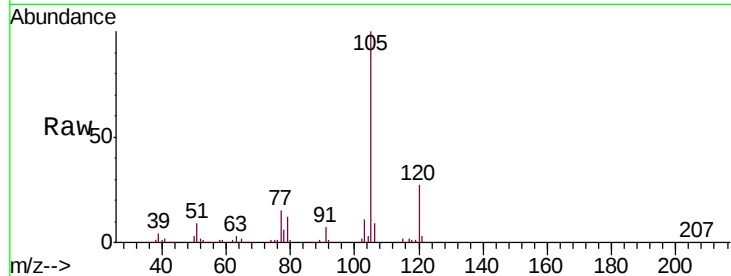
VU0909WBS01

Tgt Ion: 105 Resp: 334414

Ion Ratio Lower Upper

105 100

120 26.8 13.4 40.2



#74

N-ethyl acetate

Concen: 18.321 ug/l

RT: 9.99 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Tgt Ion: 43 Resp: 126719

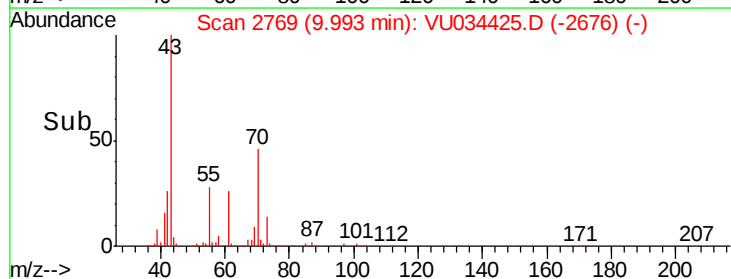
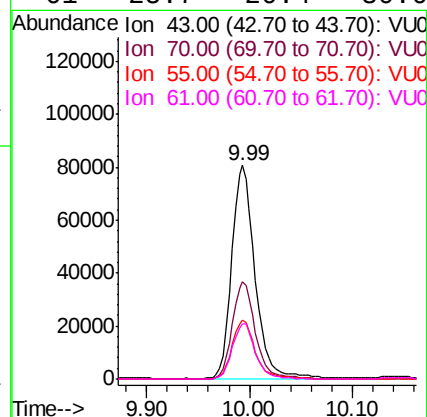
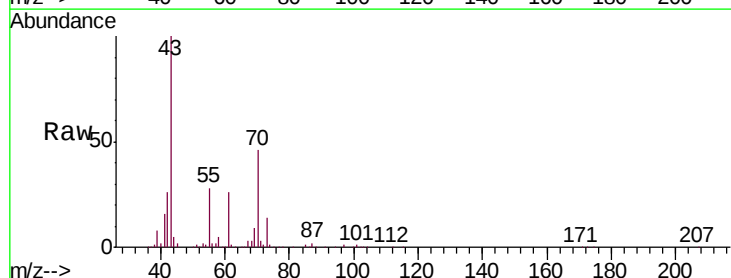
Ion Ratio Lower Upper

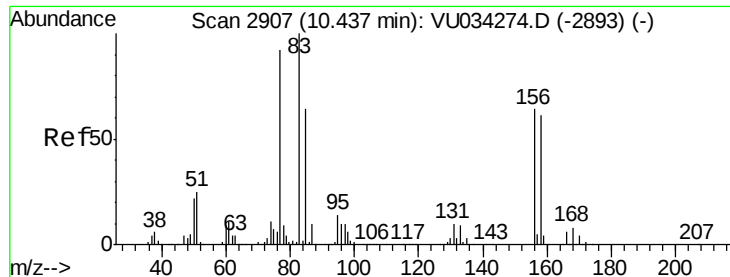
43 100

70 45.5 36.4 54.6

55 27.7 21.2 31.8

61 25.7 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.836 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBS01

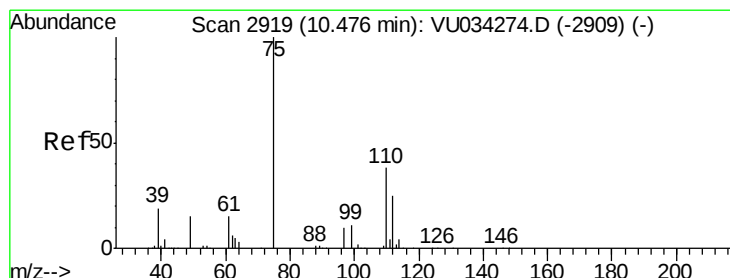
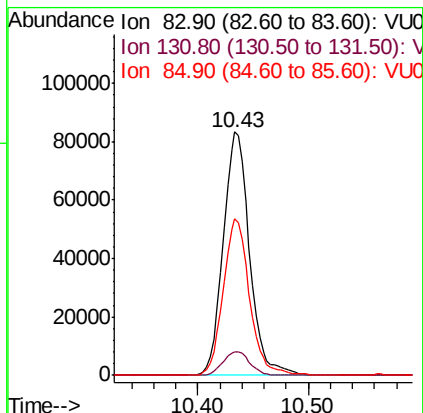
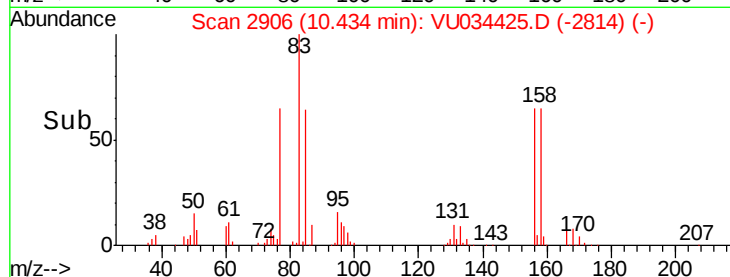
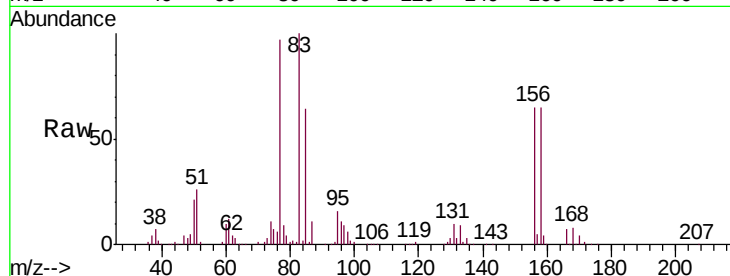
Tgt Ion: 83 Resp: 137963

Ion Ratio Lower Upper

83 100

131 9.9 5.1 15.2

85 64.4 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 25.282 ug/l

RT: 10.47 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VU034425.D

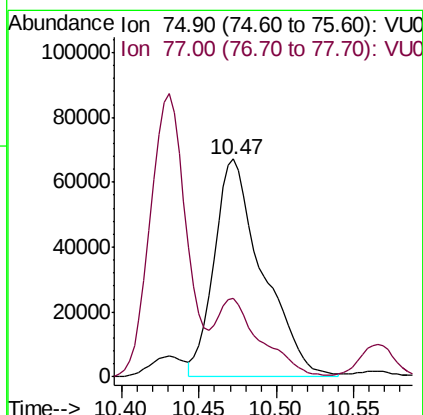
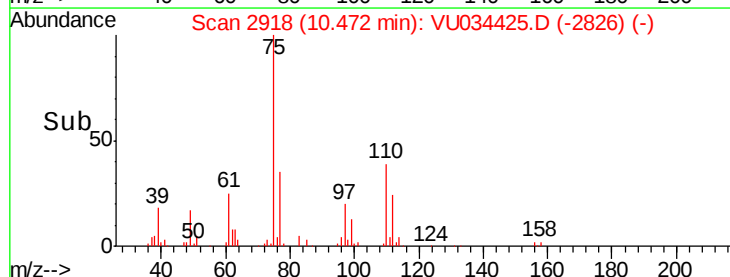
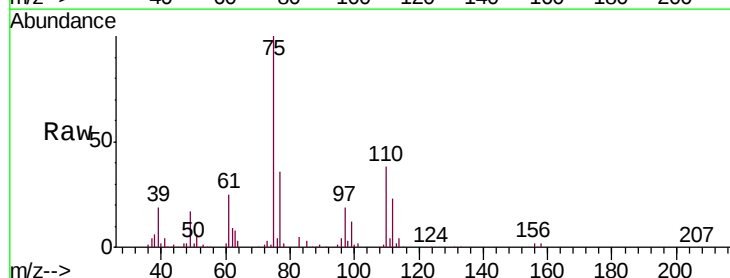
Acq: 09 Sep 2019 12:03

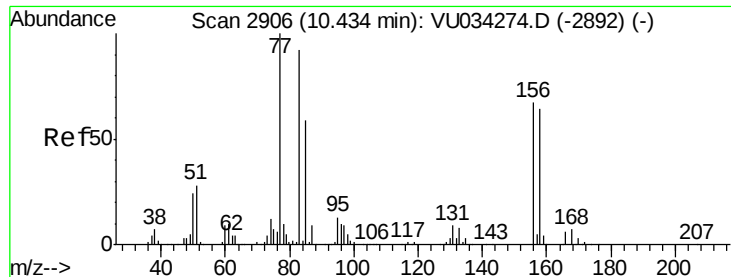
Tgt Ion: 75 Resp: 145707

Ion Ratio Lower Upper

75 100

77 32.7 20.8 62.2

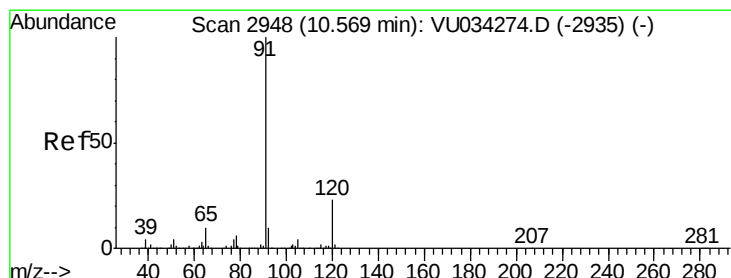
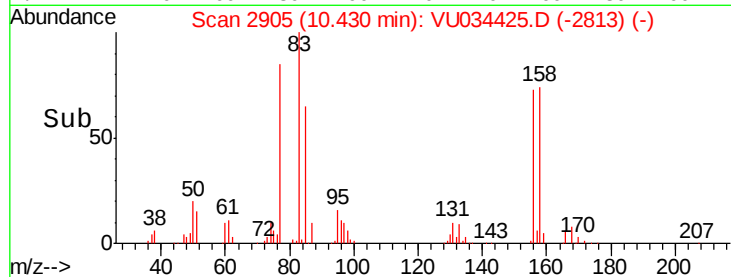
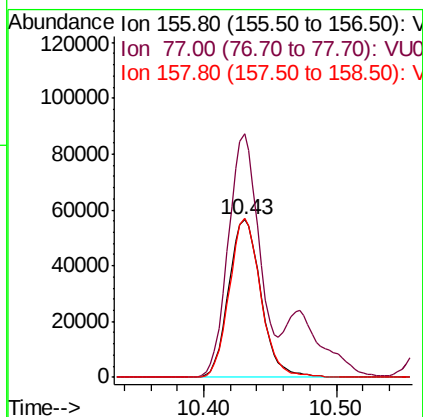
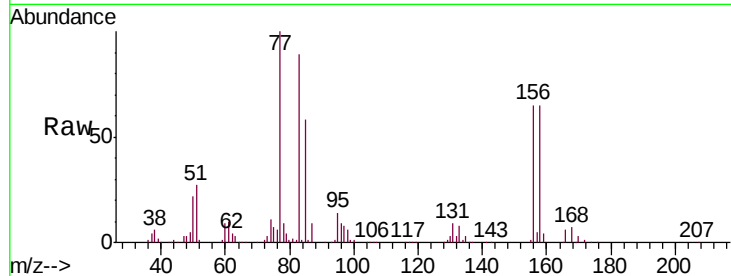




#77
Bromobenzene
Concen: 19.876 ug/l
RT: 10.43 min Scan# 2905
Delta R.T. -0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

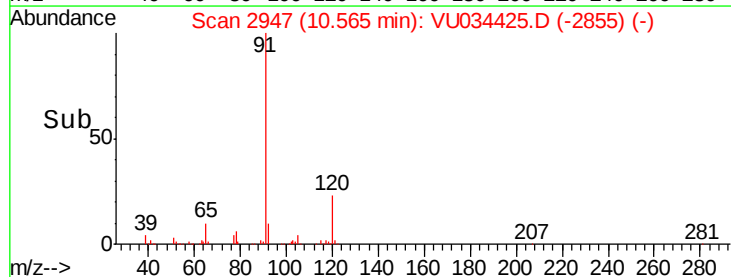
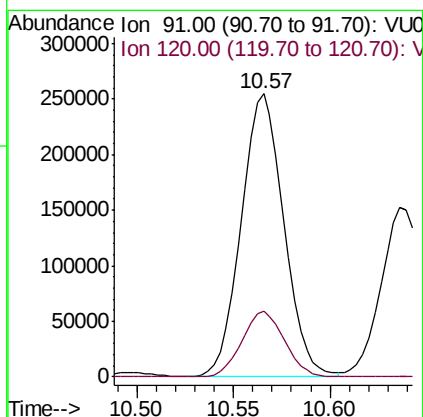
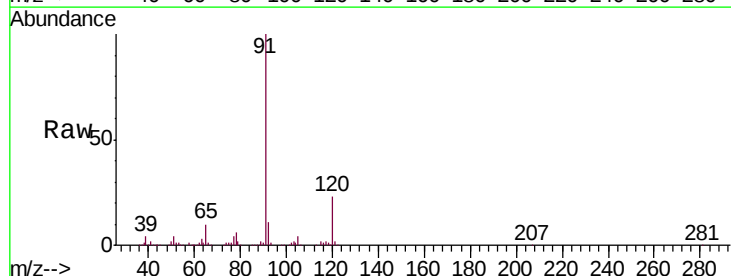
Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

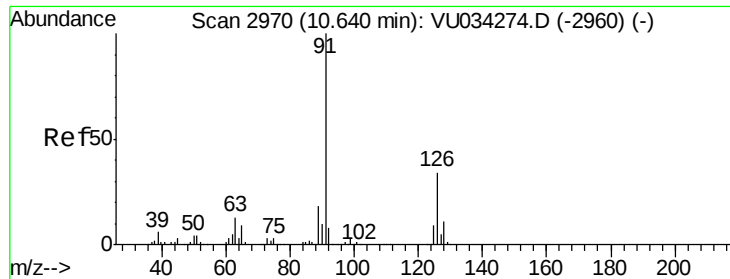
Tgt Ion:156 Resp: 95492
Ion Ratio Lower Upper
156 100
77 149.3 75.6 226.9
158 98.5 48.2 144.6



#78
n-propylbenzene
Concen: 19.583 ug/l
RT: 10.57 min Scan# 2947
Delta R.T. -0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Tgt Ion: 91 Resp: 388611
Ion Ratio Lower Upper
91 100
120 23.3 11.7 35.0

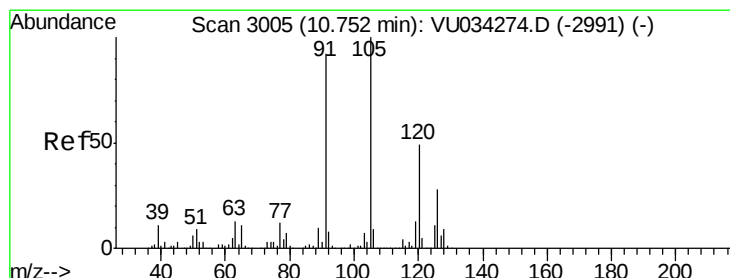
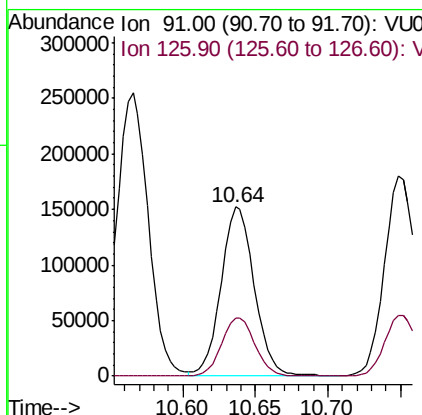
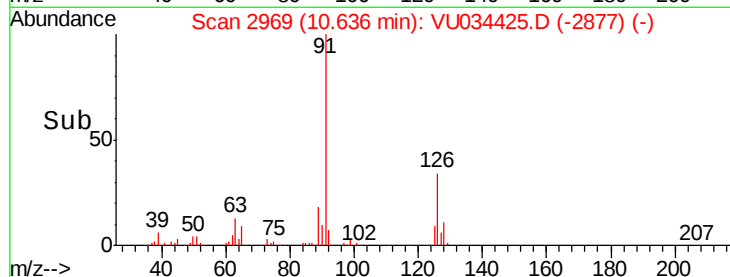
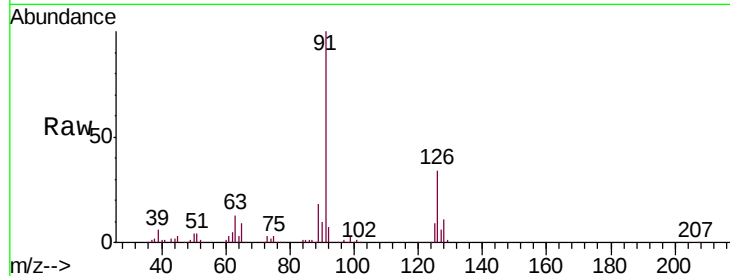




#79
 2-Chlorotoluene
 Concen: 19.905 ug/l
 RT: 10.64 min Scan# 2969
 Delta R.T. -0.00 min
 Lab File: VU034425.D
 Acq: 09 Sep 2019 12:03

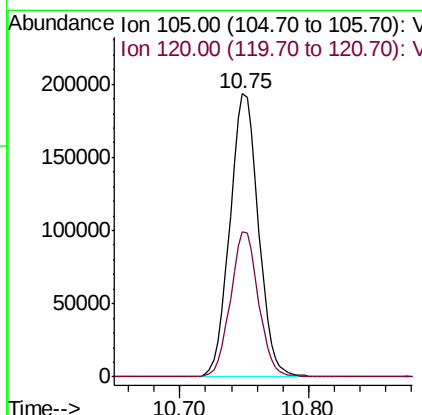
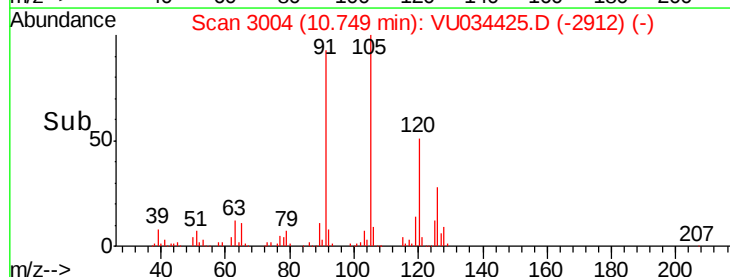
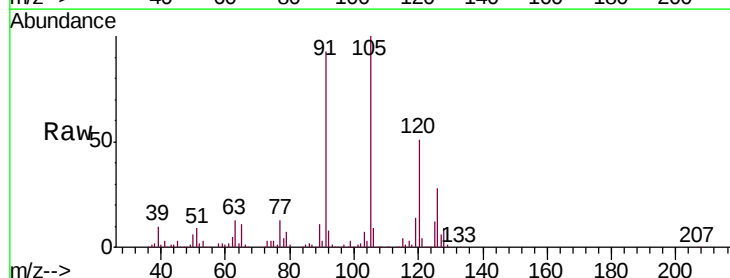
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0909WBS01

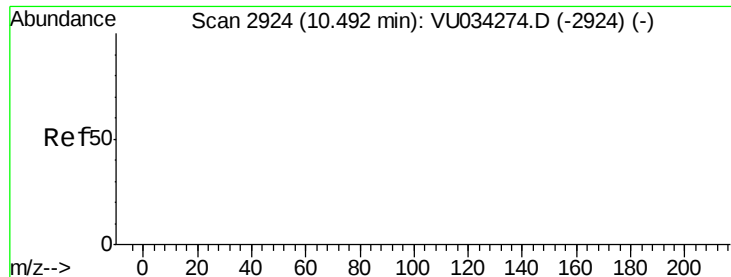
Tgt Ion: 91 Resp: 241014
 Ion Ratio Lower Upper
 91 100
 126 34.9 17.3 51.9



#80
 1,3,5-Trimethylbenzene
 Concen: 20.721 ug/l
 RT: 10.75 min Scan# 3004
 Delta R.T. -0.00 min
 Lab File: VU034425.D
 Acq: 09 Sep 2019 12:03

Tgt Ion: 105 Resp: 297773
 Ion Ratio Lower Upper
 105 100
 120 50.3 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 85.021 ug/l

RT: 10.47 min Scan# 2918

Delta R.T. -0.02 min

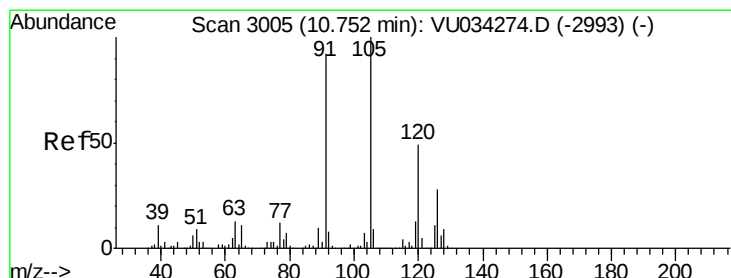
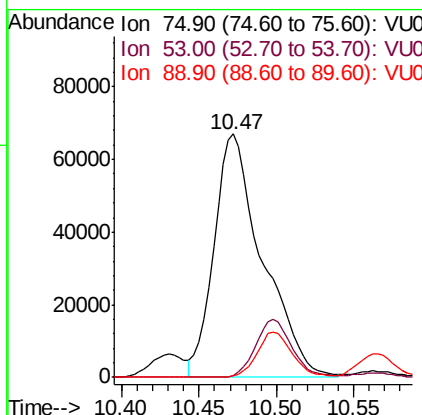
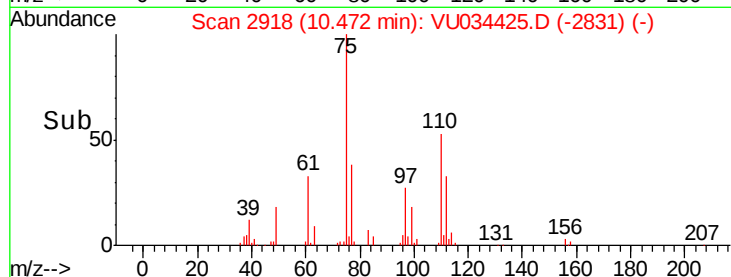
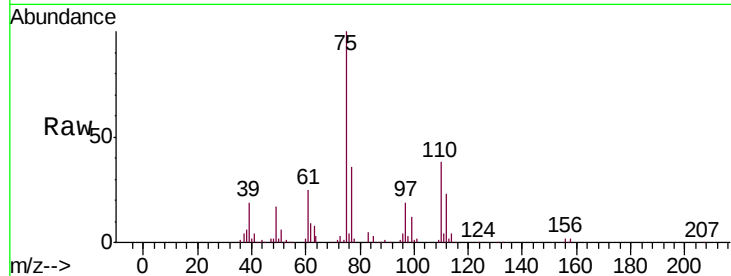
Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

Tgt Ion: 75 Resp: 145707

Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0



#82

4-Chlorotoluene

Concen: 20.289 ug/l

RT: 10.75 min Scan# 3004

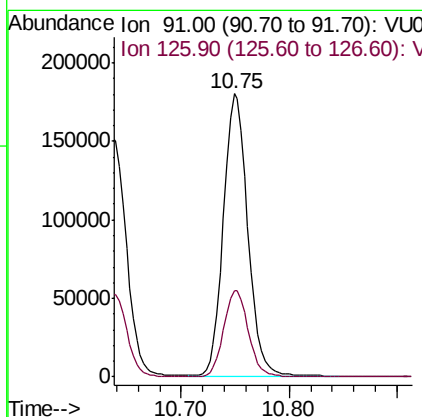
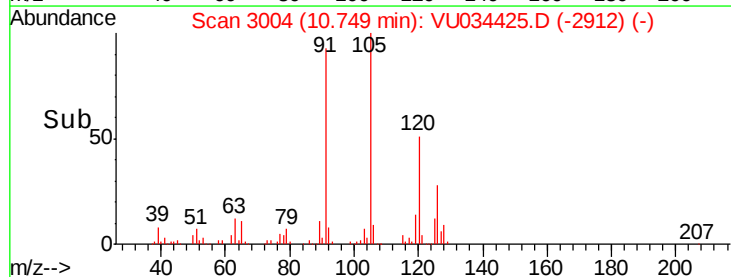
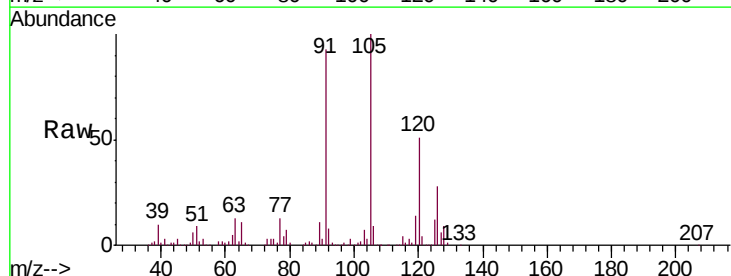
Delta R.T. -0.00 min

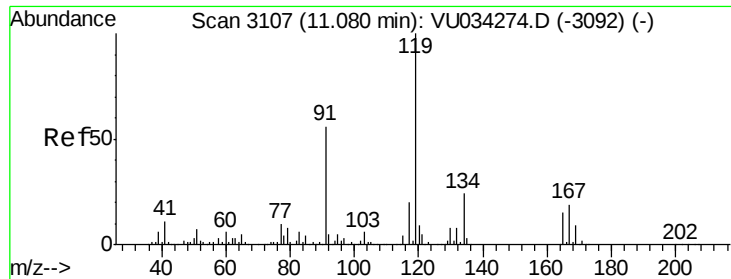
Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Tgt Ion: 91 Resp: 282706

Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.3	45.8

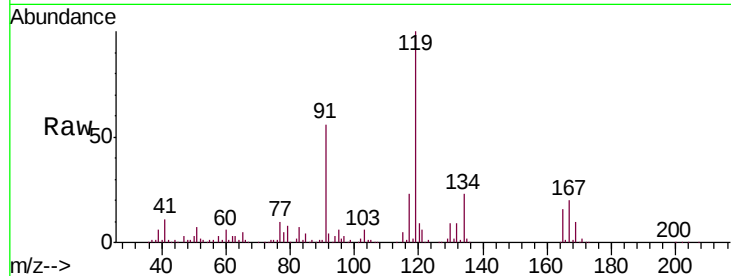




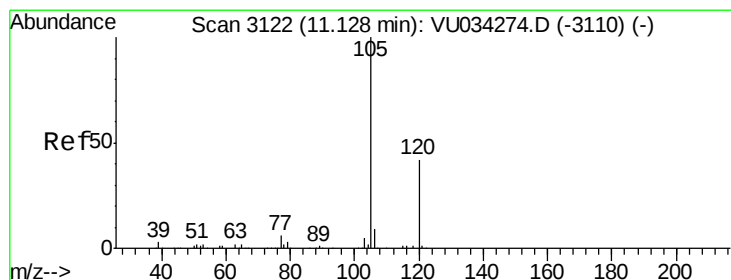
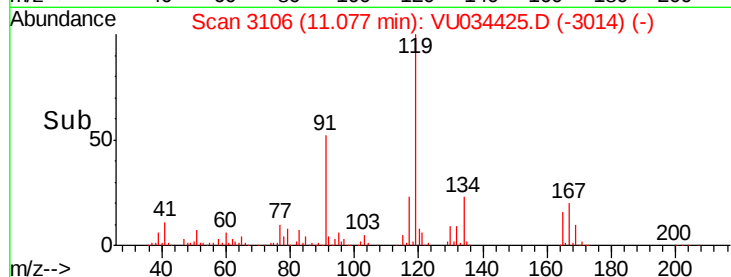
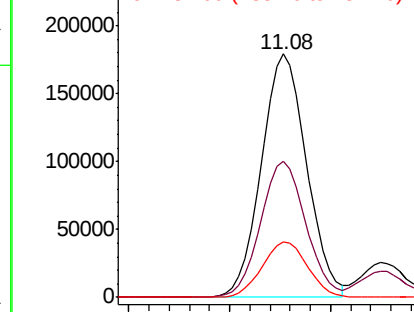
#83
 tert-Butylbenzene
 Concen: 19.515 ug/l
 RT: 11.08 min Scan# 3106
 Delta R.T. -0.00 min
 Lab File: VU034425.D
 Acq: 09 Sep 2019 12:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0909WBS01

Tgt Ion:119 Resp: 280547
 Ion Ratio Lower Upper
 119 100
 91 55.7 27.8 83.4
 134 23.0 11.7 35.0

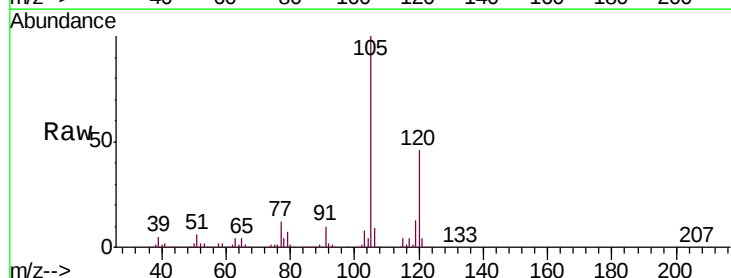


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

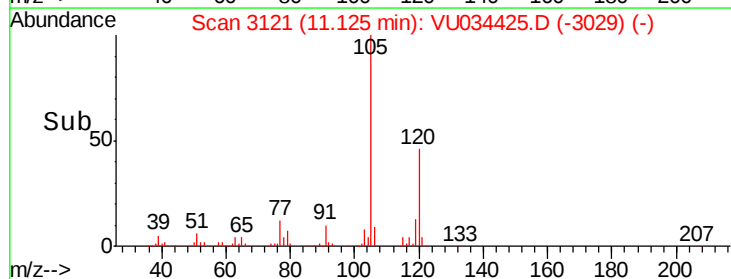
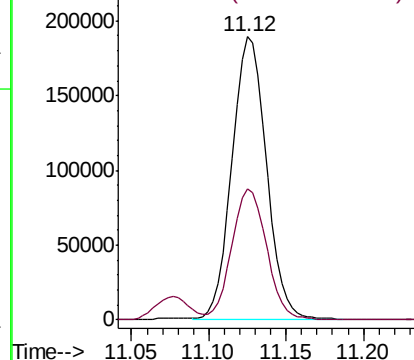


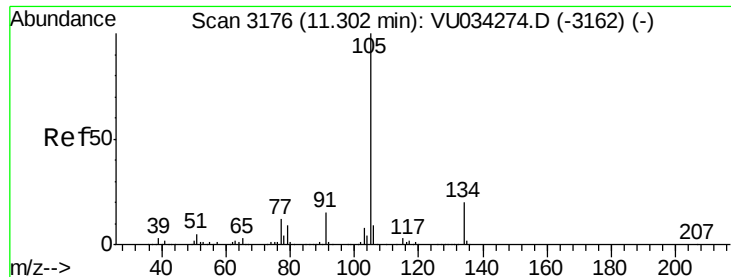
#84
 1,2,4-Trimethylbenzene
 Concen: 20.105 ug/l
 RT: 11.12 min Scan# 3121
 Delta R.T. -0.00 min
 Lab File: VU034425.D
 Acq: 09 Sep 2019 12:03

Tgt Ion:105 Resp: 290833
 Ion Ratio Lower Upper
 105 100
 120 47.1 22.9 68.8



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





#85

sec-Butylbenzene

Concen: 19.902 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. -0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

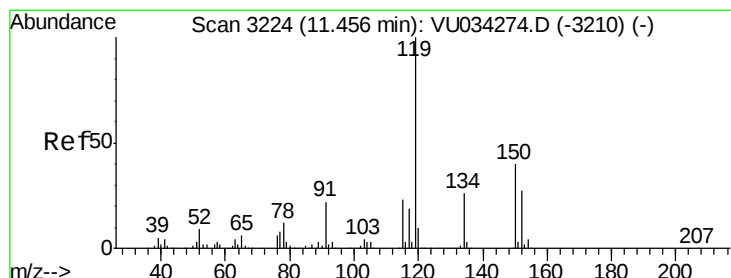
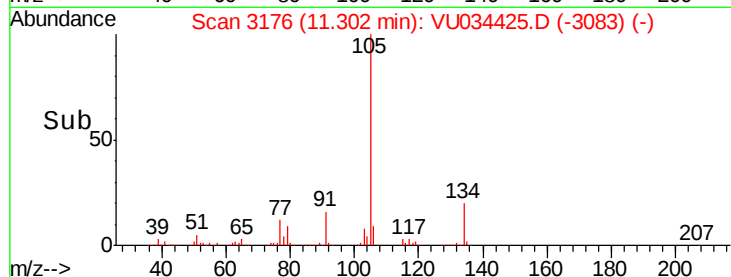
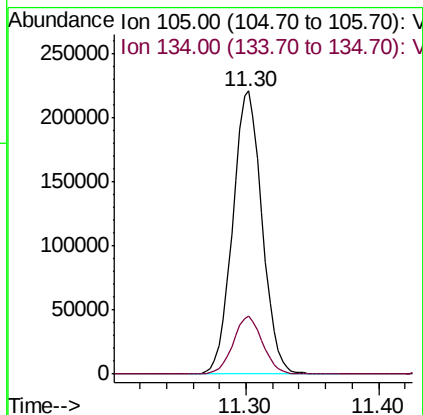
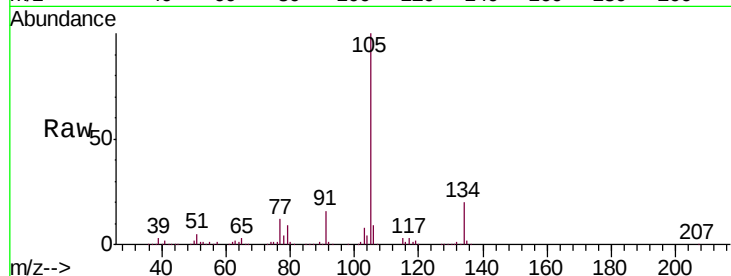
VU0909WBS01

Tgt Ion:105 Resp: 337773

Ion Ratio Lower Upper

105 100

134 20.5 10.1 30.3



#86

p-Isopropyltoluene

Concen: 19.994 ug/l

RT: 11.45 min Scan# 3223

Delta R.T. -0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

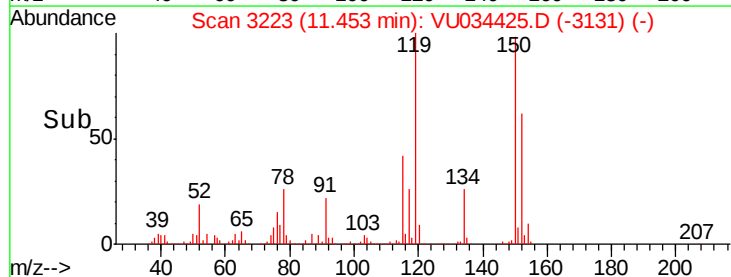
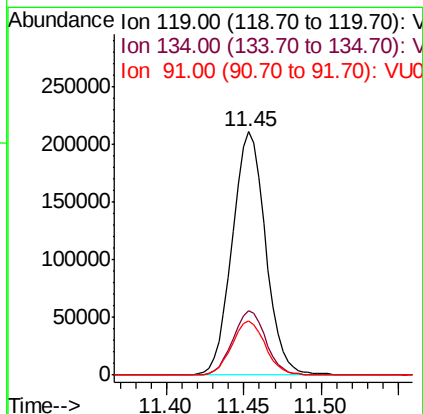
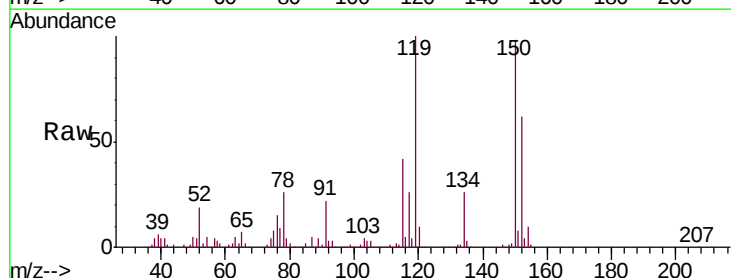
Tgt Ion:119 Resp: 313197

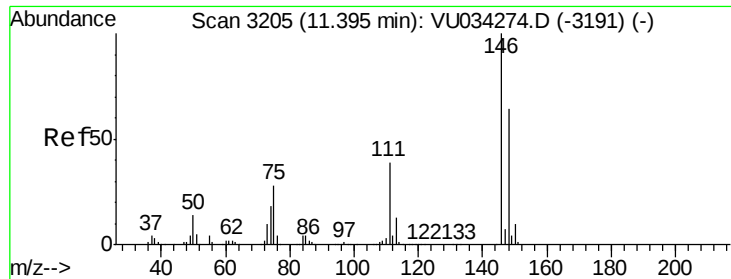
Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

91 22.3 11.2 33.6

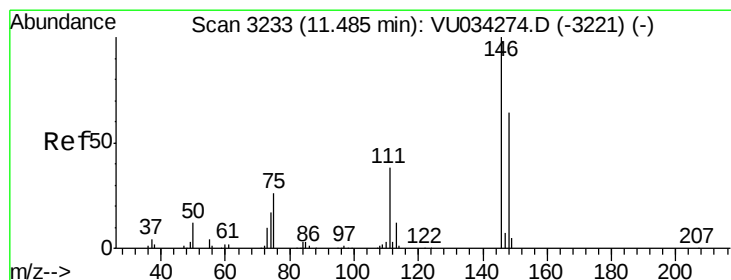
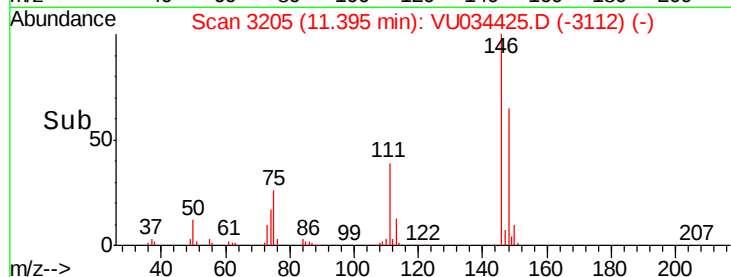
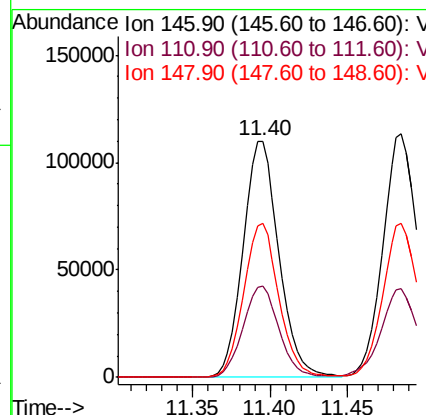
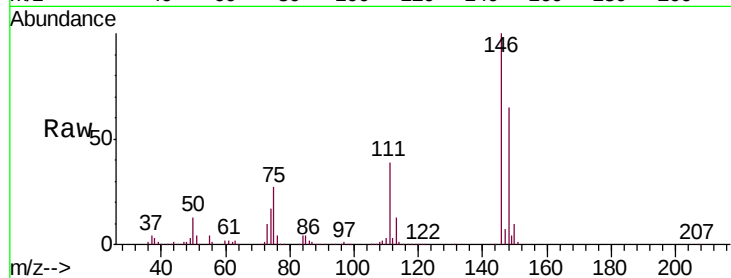




#87
 1,3-Dichlorobenzene
 Concen: 20.153 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. -0.00 min
 Lab File: VU034425.D
 Acq: 09 Sep 2019 12:03

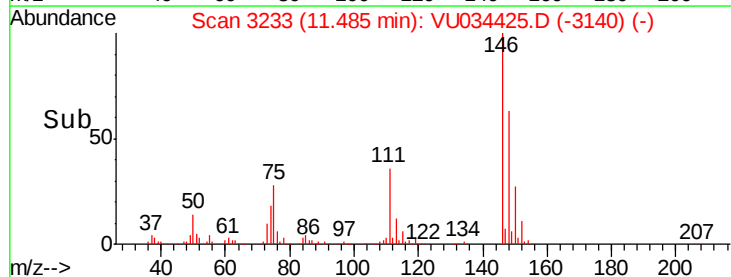
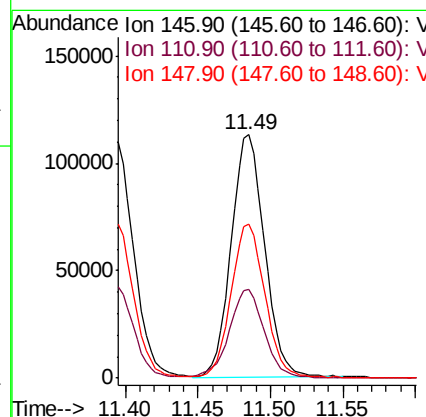
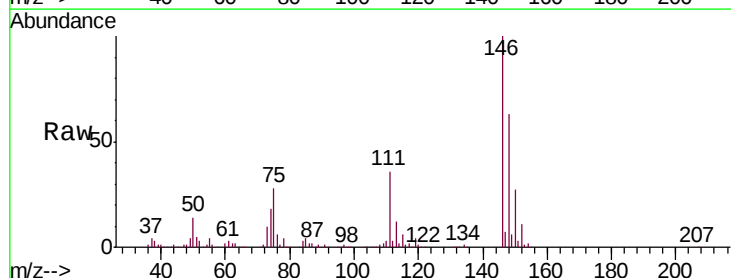
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0909WBS01

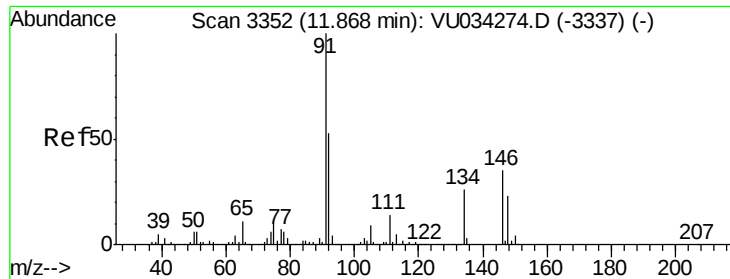
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.5	58.5
148	64.2	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 19.810 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. -0.00 min
 Lab File: VU034425.D
 Acq: 09 Sep 2019 12:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.1	57.3
148	63.6	32.0	96.0





#89

n-Butylbenzene

Concen: 18.881 ug/l

RT: 11.87 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBS01

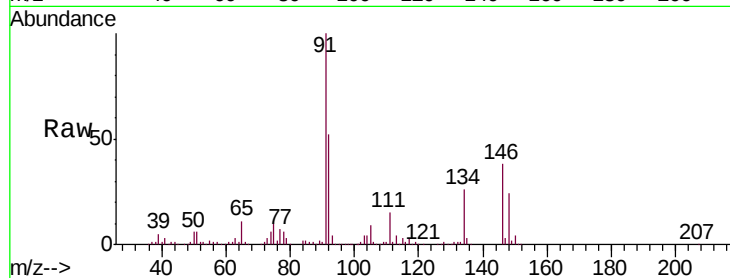
Tgt Ion: 91 Resp: 257030

Ion Ratio Lower Upper

91 100

92 50.9 26.5 79.4

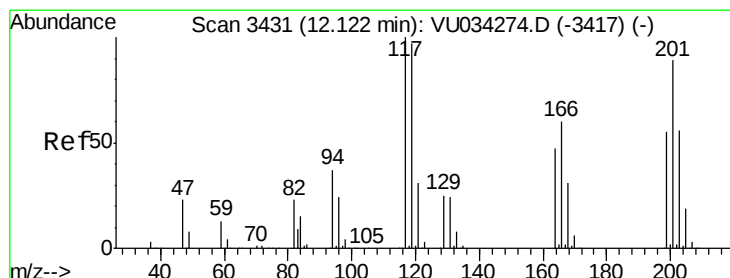
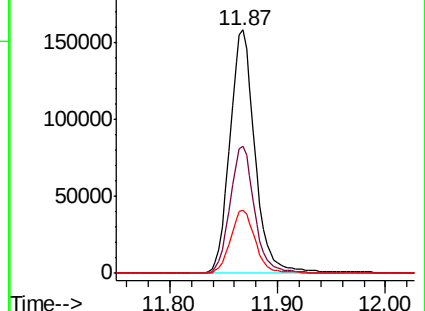
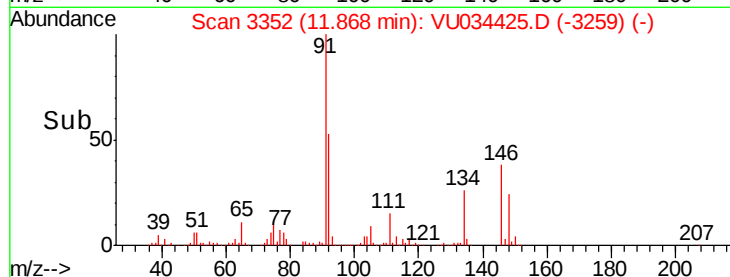
134 25.8 13.2 39.6



Abundance Ion 91.00 (90.70 to 91.70): VU034425.D (-3259) (-)

Ion 92.00 (91.70 to 92.70): VU034425.D (-3259) (-)

Ion 134.00 (133.70 to 134.70): VU034425.D (-3259) (-)



#90

Hexachloroethane

Concen: 19.359 ug/l

RT: 12.12 min Scan# 3431

Delta R.T. -0.00 min

Lab File: VU034425.D

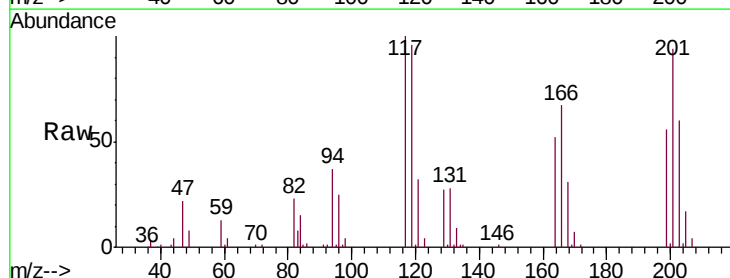
Acq: 09 Sep 2019 12:03

Tgt Ion: 117 Resp: 48516

Ion Ratio Lower Upper

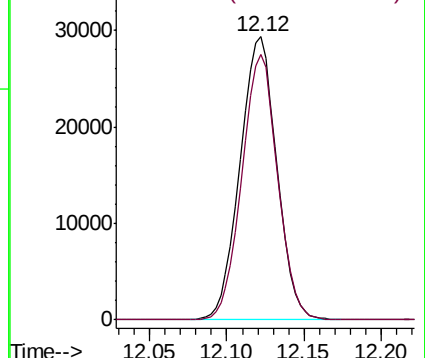
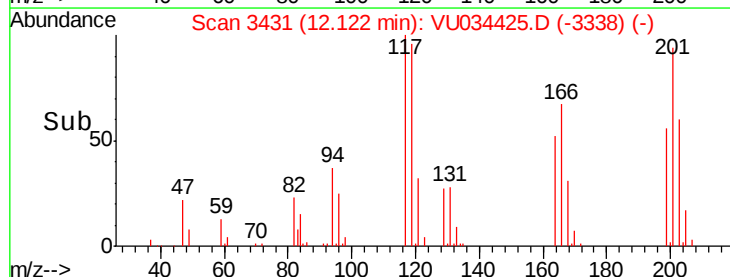
117 100

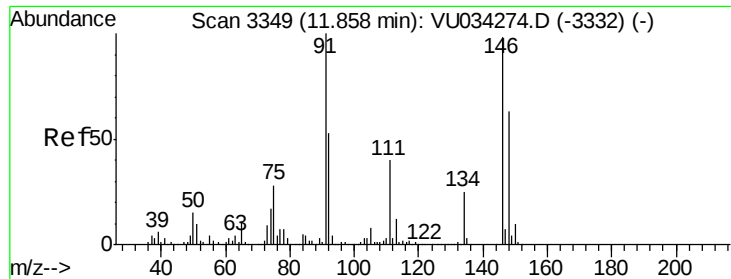
201 90.9 44.1 132.4



Abundance Ion 116.80 (116.50 to 117.50): VU034425.D (-3338) (-)

Ion 200.70 (200.40 to 201.40): VU034425.D (-3338) (-)

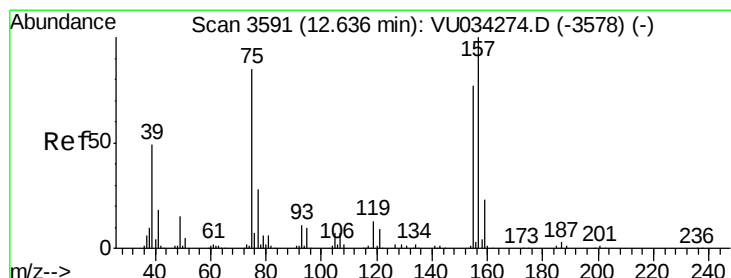
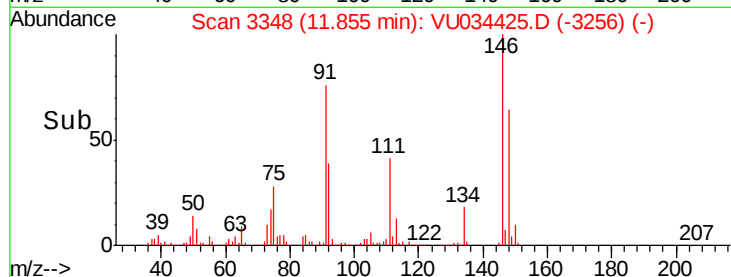
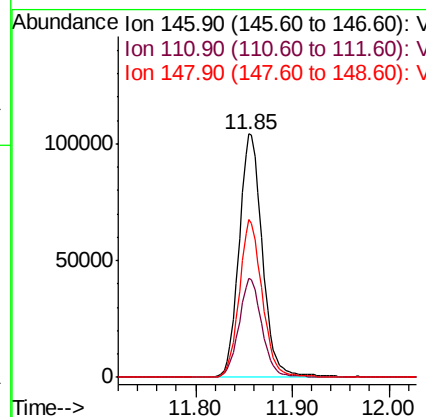
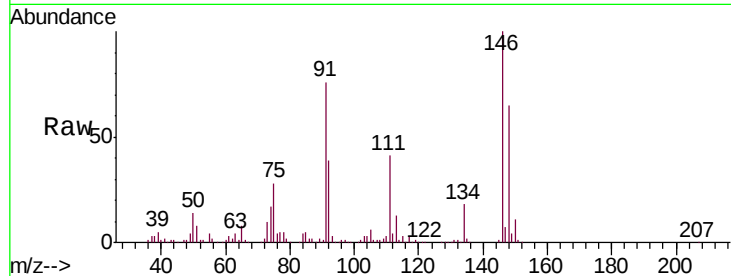




#91
 1,2-Dichlorobenzene
 Concen: 20.294 ug/l
 RT: 11.85 min Scan# 3348
 Delta R.T. -0.00 min
 Lab File: VU034425.D
 Acq: 09 Sep 2019 12:03

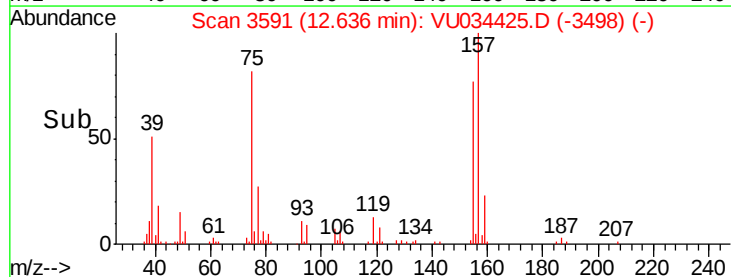
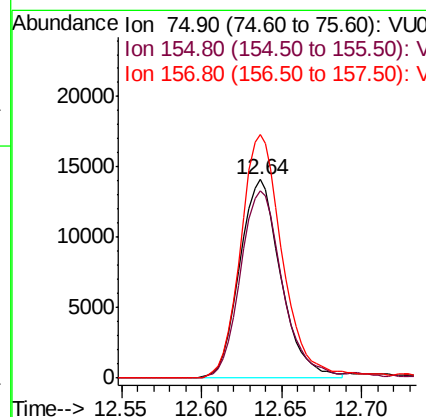
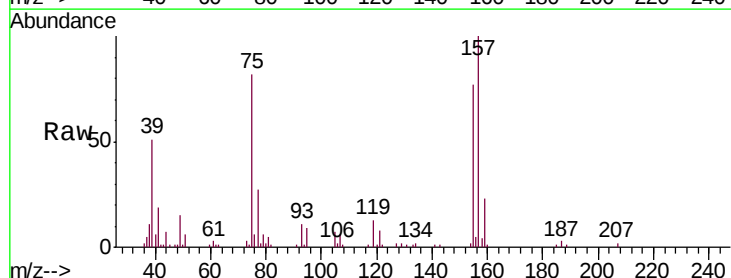
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0909WBS01

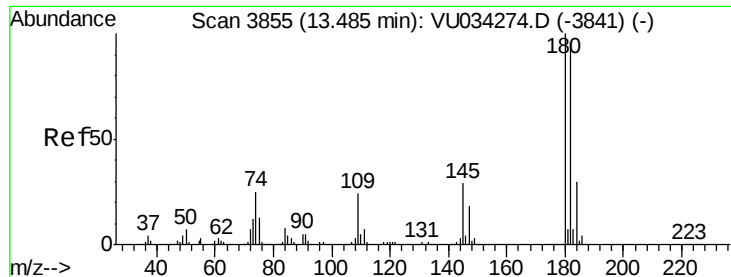
Tgt Ion:146 Resp: 174858
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.0 60.0
 148 63.5 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.476 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. -0.00 min
 Lab File: VU034425.D
 Acq: 09 Sep 2019 12:03

Tgt Ion: 75 Resp: 24892
 Ion Ratio Lower Upper
 75 100
 155 95.6 44.6 134.0
 157 123.9 58.2 174.6

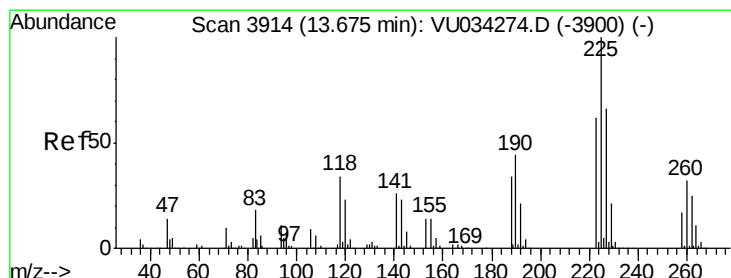
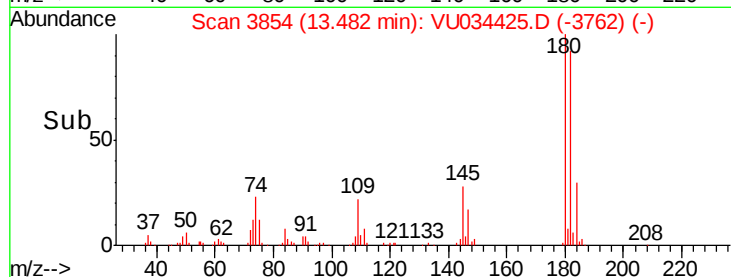
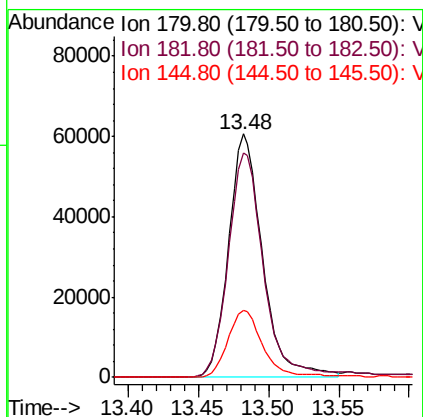
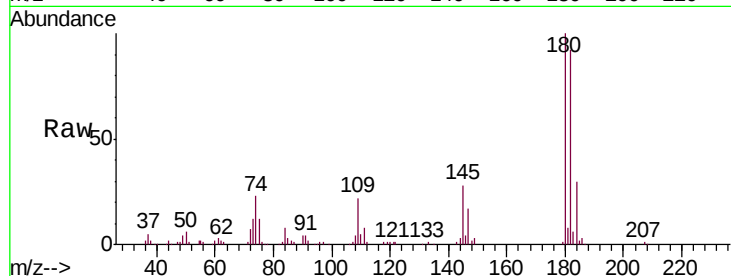




#93
 1,2,4-Trichlorobenzene
 Concen: 18.687 ug/l
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034425.D
 Acq: 09 Sep 2019 12:03

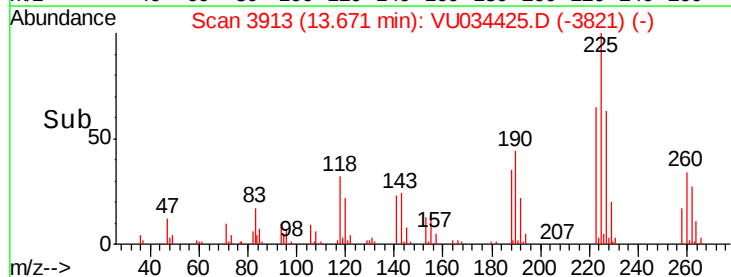
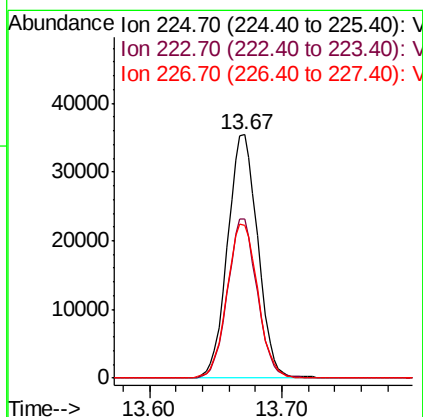
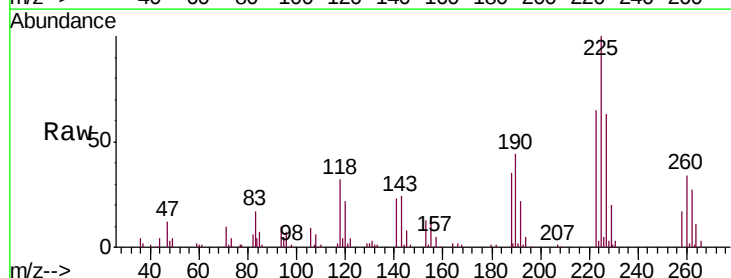
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0909WBS01

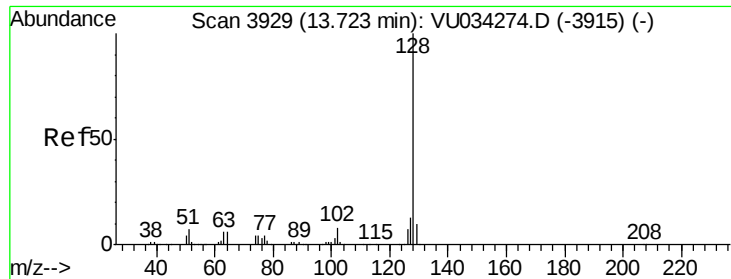
Tgt Ion:180 Resp: 102264
 Ion Ratio Lower Upper
 180 100
 182 97.1 47.9 143.8
 145 28.4 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 18.647 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034425.D
 Acq: 09 Sep 2019 12:03

Tgt Ion:225 Resp: 56199
 Ion Ratio Lower Upper
 225 100
 223 63.9 31.6 94.7
 227 64.3 32.3 96.8

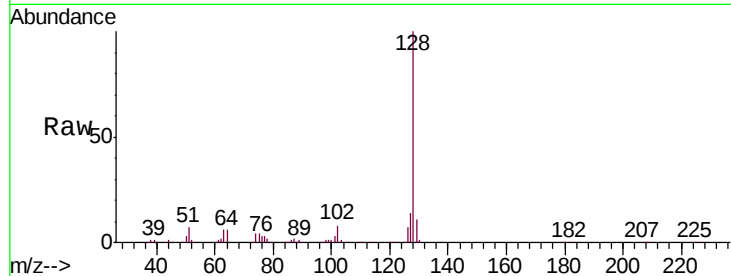




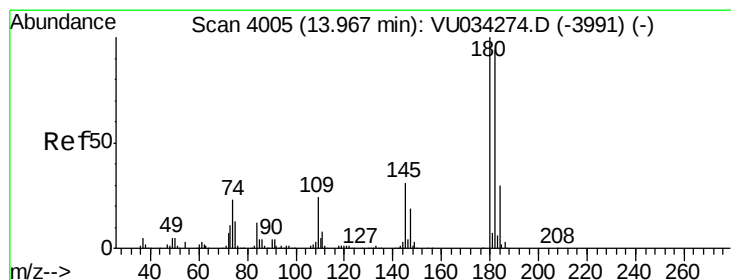
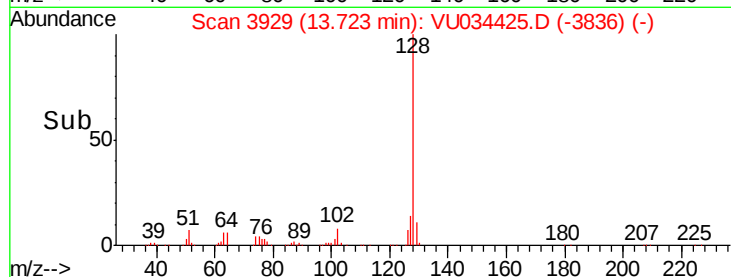
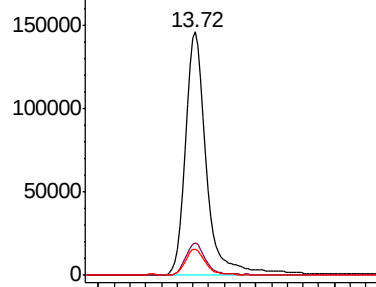
#95
Naphthalene
Concen: 18.108 ug/l
RT: 13.72 min Scan# 3929
Delta R.T. -0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

Tgt Ion:128 Resp: 270292
Ion Ratio Lower Upper
128 100
127 12.8 10.6 15.8
129 10.5 8.4 12.6

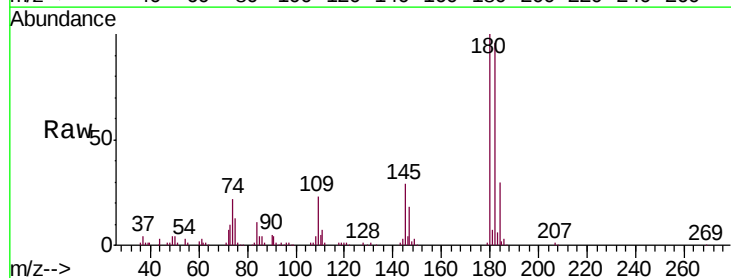


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.324 ug/l
RT: 13.97 min Scan# 4005
Delta R.T. 0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Tgt Ion:180 Resp: 106317
Ion Ratio Lower Upper
180 100
182 96.4 48.4 145.0
145 29.5 15.4 46.4



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

