

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U020819\
 Data File : VU029383.D
 Acq On : 08 Feb 2019 17:19
 Operator : JC/SP
 Sample : VU0208WBS01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 09 03:21:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U020519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 08 10:52:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	53538	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	20762	0.99	ug/l	0.00
Spiked Amount	1.000		Recovery	=	99.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	22644	1.06	ug/l	0.00
Spiked Amount	1.000		Recovery	=	106.00%	

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	35555	1.780	ug/l 97
3) Chloromethane	1.33	50	29742	1.629	ug/l 97
4) Vinyl Chloride	1.40	62	38233	1.786	ug/l 100
5) Bromomethane	1.63	94	27413	2.302	ug/l 95
6) Chloroethane	1.70	64	23517	1.881	ug/l 99
7) Trichlorofluoromethane	1.88	101	60754	2.033	ug/l 98
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	32979	2.090	ug/l 90
9) 1,1-Dichloroethene	2.28	96	31832	2.061	ug/l 67
10) Iodomethane	2.41	142	24219	1.316	ug/l # 77
11) Allyl Chloride	2.59	41	47219	1.823	ug/l 88
12) Acrylonitrile	2.94	53	13378	3.865	ug/l 96
13) Acetone	2.32	43	28472	8.534	ug/l # 81
14) Carbon Disulfide	2.48	76	103835	1.904	ug/l 97
15) Methylene Chloride	2.70	84	36375	1.942	ug/l # 80
16) trans-1,2-Dichloroethene	2.98	96	36118	2.091	ug/l # 75
17) 1,1-Dichloroethane	3.44	63	49508	1.809	ug/l 94
18) 2-Butanone	4.28	43	30018	8.051	ug/l 88
19) Cyclohexane	4.99	56	36654	1.444	ug/l # 84
20) Methylcyclohexane	6.41	83	50295	1.887	ug/l # 84
21) 2,2-Dichloropropane	4.22	77	47017	1.856	ug/l # 91
22) cis-1,2-Dichloroethene	4.22	96	34300	2.108	ug/l 70
23) Diethyl Ether	2.10	59	22430	1.809	ug/l 88
24) tert-Butyl Alcohol	2.84	59	25923	20.113	ug/l 96
25) Methyl tert-Butyl Ether	3.00	73	84299	1.938	ug/l # 85
26) Bromochloromethane	4.55	128	14305	1.990	ug/l 69
27) Chloroform	4.67	83	51982	1.953	ug/l 99
28) 1,1,1-Trichloroethane	4.91	97	47048	1.907	ug/l 95
29) 1,1-Dichloropropene	5.13	75	40941	1.912	ug/l 92
30) Carbon Tetrachloride	5.13	117	42862	1.919	ug/l 97
31) Isopropyl Ether	3.58	45	72744	1.761	ug/l 88
32) Ethyl-t-butyl ether	4.07	59	74770	1.807	ug/l # 87
33) Tert-Amyl methyl ether	5.58	73	69740	1.864	ug/l 99
34) Propionitrile	4.34	54	9569	9.763	ug/l # 89
35) Benzene	5.39	78	112365	1.897	ug/l 98
36) 1,2-Dichloroethane	5.41	62	32541	1.817	ug/l # 87
37) Trichloroethene	6.18	130	33693	1.983	ug/l 91
38) 1,2-Dichloropropane	6.43	63	27594	1.791	ug/l 97
39) Methacrylonitrile	4.55	41	7126	1.420	ug/l # 81
40) Methyl acrylate	4.43	55	10984	1.450	ug/l # 84
41) Tetrahydrofuran	4.66	42	7307	2.890	ug/l # 69
42) 1-Chlorobutane	5.06	56	49678	1.731	ug/l 84

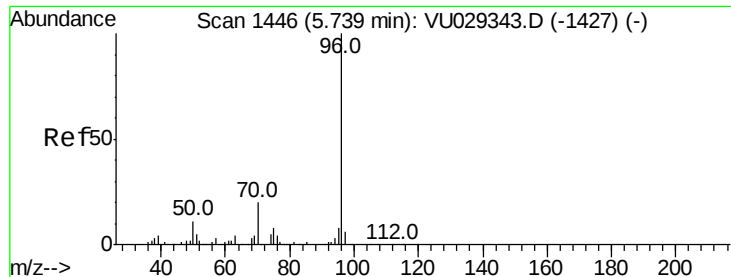
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU020819\
 Data File : VU029383.D
 Acq On : 08 Feb 2019 17:19
 Operator : JC/SP
 Sample : VU0208WBS01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 09 03:21:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U020519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 08 10:52:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	15173	1.848	ug/l	93
44) Bromodichloromethane	6.76	83	38682	1.849	ug/l	97
45) 4-Methyl-2-Pentanone	7.46	43	78150	8.120	ug/l #	88
46) t-1,4-Dichloro-2-butene	10.49	75	14031	2.992	ug/l #	86
47) Methyl methacrylate	6.63	69	26860	3.718	ug/l #	70
48) Ethyl methacrylate	8.02	69	26996	1.742	ug/l	77
49) Toluene	7.63	92	72408	1.911	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	36230	1.767	ug/l	97
51) cis-1,3-Dichloropropene	7.27	75	43394	1.781	ug/l #	88
52) 1,1,2-Trichloroethane	8.07	97	21868	2.012	ug/l	93
53) 1,3-Dichloropropane	8.24	76	35597	1.864	ug/l	100
54) 2-Hexanone	8.37	43	54262	8.043	ug/l	86
55) Dibromochloromethane	8.48	129	29304	1.897	ug/l	99
56) 1,2-Dibromoethane	8.59	107	21332	1.913	ug/l	100
58) Tetrachloroethene	8.23	164	34028	2.152	ug/l	90
59) Chlorobenzene	9.12	112	84591	1.981	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	31206	1.978	ug/l	98
61) Pentachloroethane	11.10	117	23133	1.892	ug/l	88
62) Hexachloroethane	12.14	117	24097	1.806	ug/l	97
63) Ethyl Benzene	9.25	91	141636	1.910	ug/l	96
64) m/p-Xylenes	9.37	106	113475	3.938	ug/l	86
65) o-Xylene	9.78	106	55859	1.975	ug/l	85
66) Styrene	9.79	104	91340	1.937	ug/l	92
67) Bromoform	9.95	173	18179	1.891	ug/l	99
69) Isopropylbenzene	10.16	105	146748	1.942	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.46	83	26372	1.893	ug/l	97
71) 1,2,3-Trichloropropane	10.49	75	14031	1.467	ug/l #	66
72) Bromobenzene	10.45	156	37103	2.026	ug/l	83
73) n-propylbenzene	10.59	120	42871	2.037	ug/l	77
74) 2-Chlorotoluene	10.66	126	36768	2.052	ug/l	78
75) 1,3,5-Trimethylbenzene	10.77	105	123909	1.902	ug/l	95
76) 4-Chlorotoluene	10.77	126	38061	2.046	ug/l	71
77) tert-Butylbenzene	11.10	119	127739	1.984	ug/l	92
78) 1,2,4-Trimethylbenzene	11.14	105	124281	1.884	ug/l	94
79) sec-Butylbenzene	11.32	105	163369	1.939	ug/l	95
80) Nitrobenzene	12.86	77	2968	4.782	ug/l #	92
81) p-Isopropyltoluene	11.47	119	140717	1.970	ug/l	94
82) 1,3-Dichlorobenzene	11.41	146	74474	2.073	ug/l	96
83) 1,4-Dichlorobenzene	11.50	146	72665	2.030	ug/l	96
84) n-Butylbenzene	11.89	91	123454	1.884	ug/l	95
85) 1,2-Dichlorobenzene	11.88	146	68089	2.004	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	12.66	75	4202	1.616	ug/l #	54
87) 1,2,4-Trichlorobenzene	13.50	180	49443	2.072	ug/l	97
88) Hexachlorobutadiene	13.69	225	30342	2.195	ug/l	98
89) Naphthalene	13.74	128	87152	2.153	ug/l	99
90) 1,2,3-Trichlorobenzene	13.99	180	52203	2.394	ug/l	96

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1447

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Instrument :

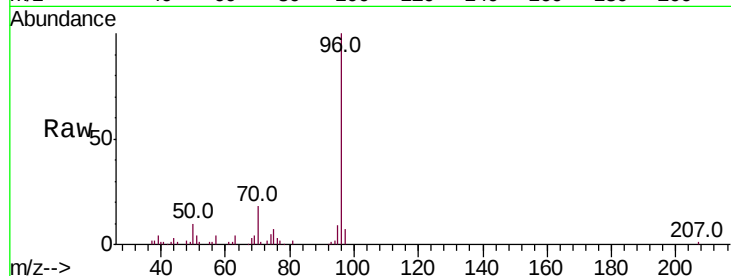
MSVOA_U

ClientSampleId :

Tot Ion: 96 Resp: 53538

Ion Ratio Lower Upper

96	100		
70	19.7	16.2	24.2
95	9.6	7.4	11.2
97	7.2	0.0	0.0#

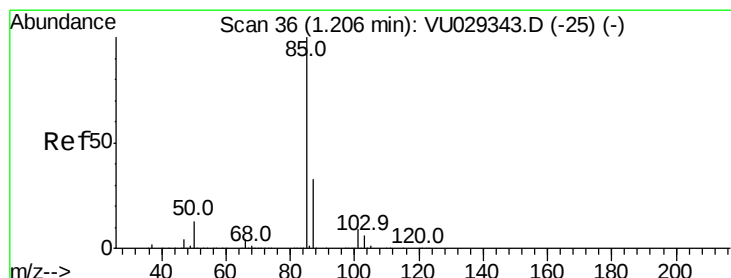
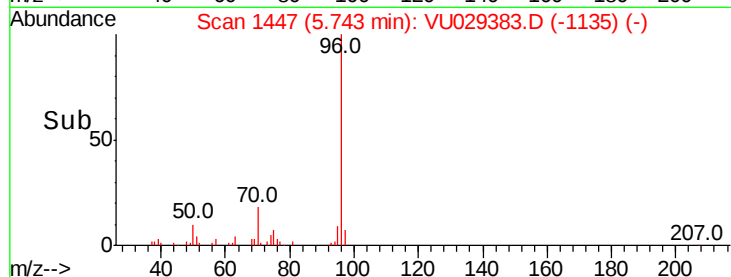
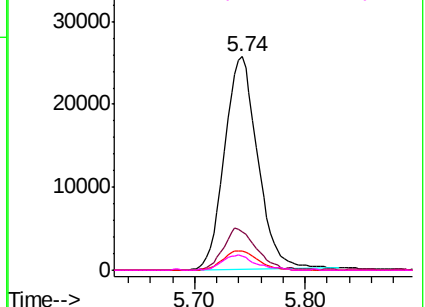


Abundance Ion 96.00 (95.70 to 96.70): VU029383.D (-1427) (-)

Ion 70.00 (69.70 to 70.70): VU029383.D (-1427) (-)

Ion 95.00 (94.70 to 95.70): VU029383.D (-1427) (-)

Ion 97.00 (96.70 to 97.70): VU029383.D (-1427) (-)



#2

Dichlorodifluoromethane

Concen: 1.780 ug/l

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

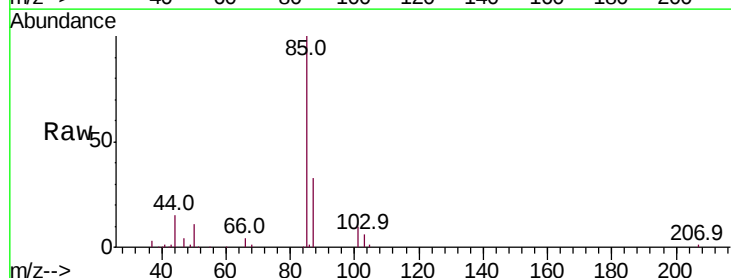
Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Tgt Ion: 85 Resp: 35555

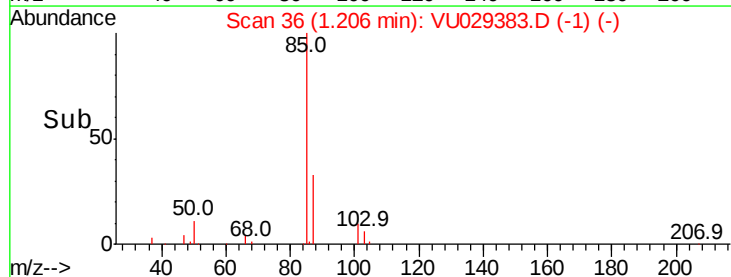
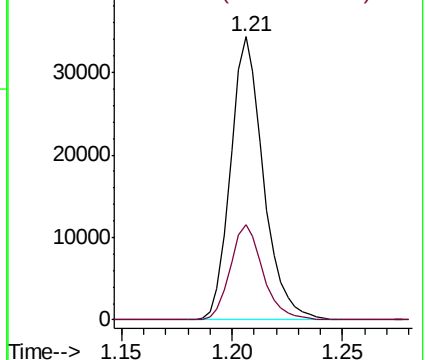
Ion Ratio Lower Upper

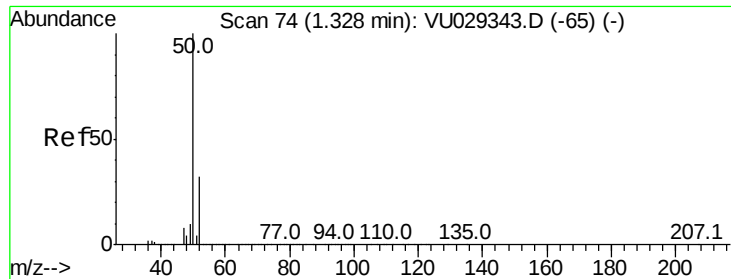
85	100		
87	33.5	15.9	47.6



Abundance Ion 85.00 (84.70 to 85.70): VU029383.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU029383.D (-1) (-)





#3

Chloromethane

Concen: 1.629 ug/l

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Instrument :

MSVOA_U

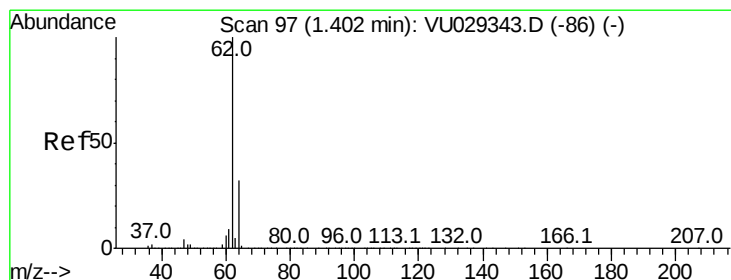
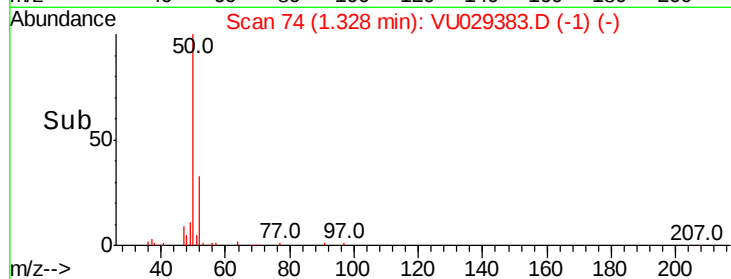
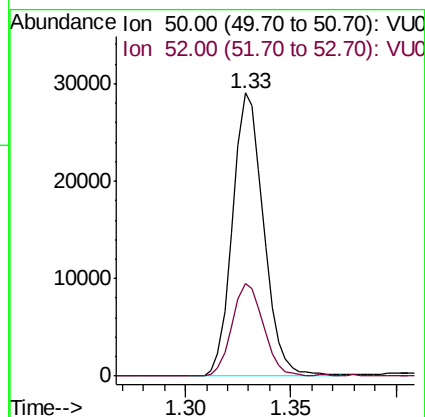
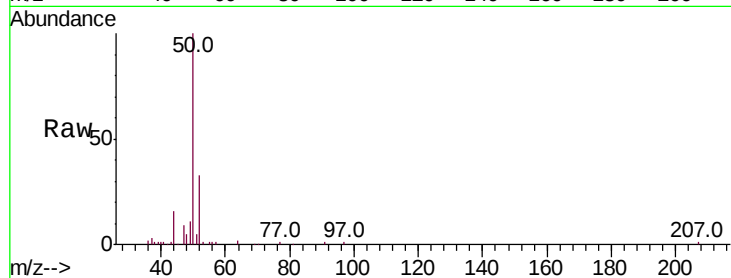
ClientSampleId :

Tot Ion: 50 Resp: 29742

Ion Ratio Lower Upper

50 100

52 32.6 27.3 40.9



#4

Vinyl Chloride

Concen: 1.786 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029383.D

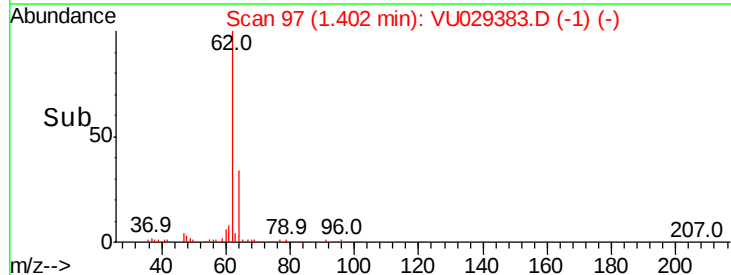
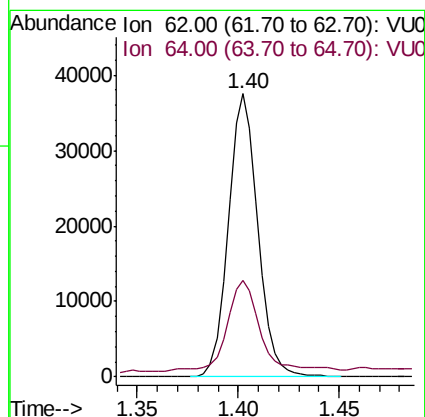
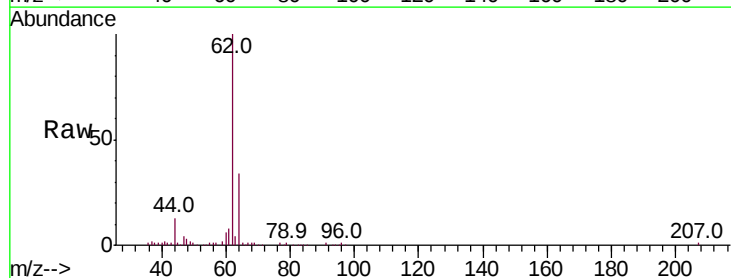
Acq: 08 Feb 2019 17:19

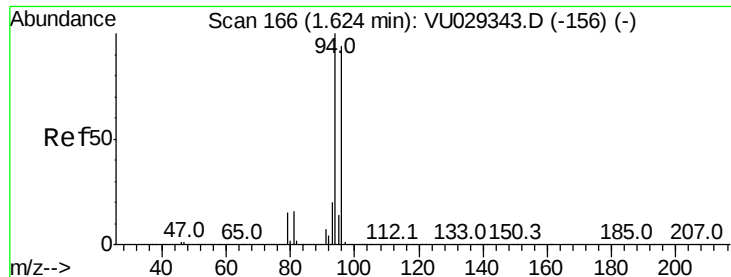
Tgt Ion: 62 Resp: 38233

Ion Ratio Lower Upper

62 100

64 31.5 25.2 37.8





#5

Bromomethane

Concen: 2.302 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Instrument :

MSVOA_U

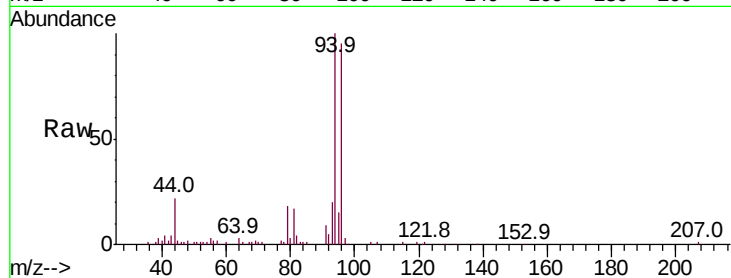
ClientSampleId :

Tot Ion: 94 Resp: 27413

Ion Ratio Lower Upper

94 100

96 94.6 71.7 107.5



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.63

25000

20000

15000

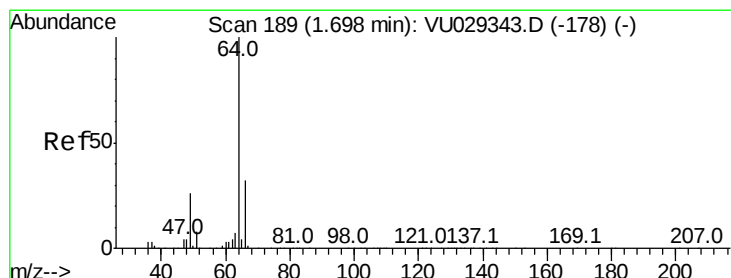
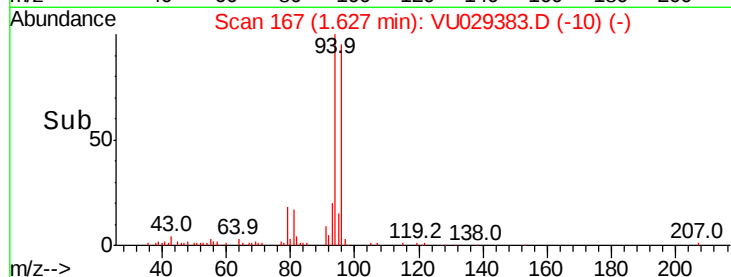
10000

5000

0

Time-->

1.60 1.65



#6

Chloroethane

Concen: 1.881 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU029383.D

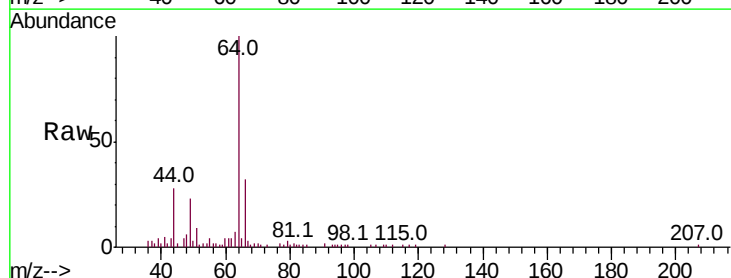
Acq: 08 Feb 2019 17:19

Tgt Ion: 64 Resp: 23517

Ion Ratio Lower Upper

64 100

66 33.4 26.3 39.5



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0

1.70

20000

15000

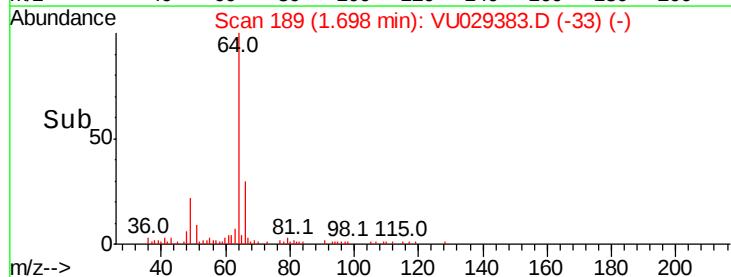
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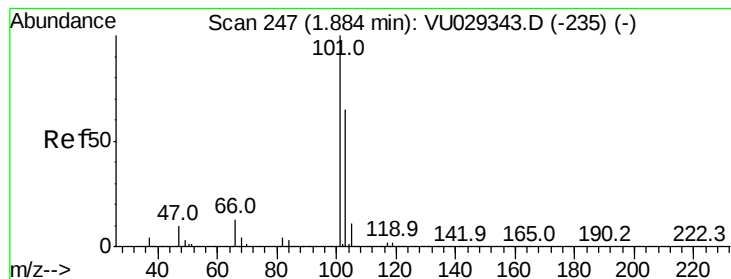
5000

0

Time-->

1.65 1.70 1.75 1.80



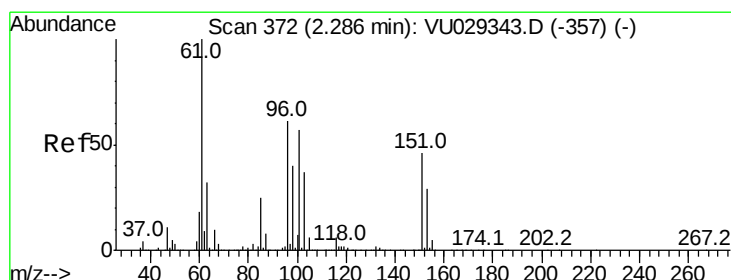
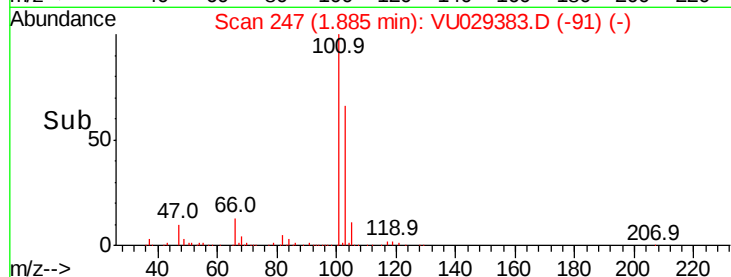
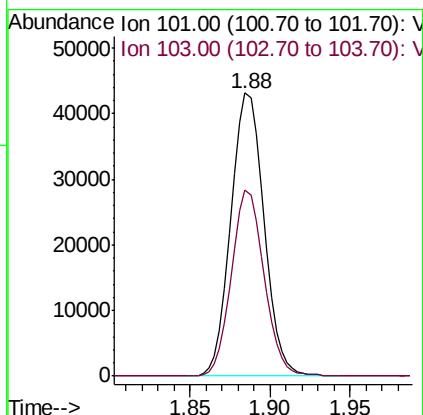
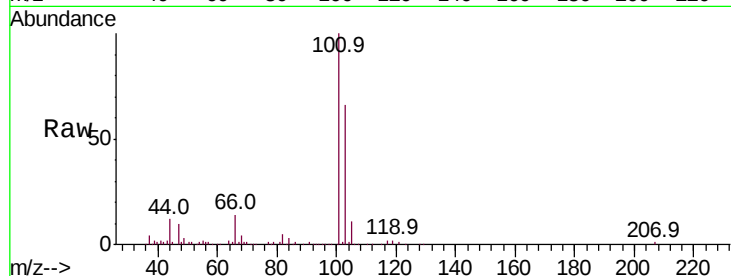


#7

Trichlorofluoromethane
 Concen: 2.033 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VU029383.D
 Acq: 08 Feb 2019 17:19

Instrument :
 MSVOA_U
 ClientSampleId :

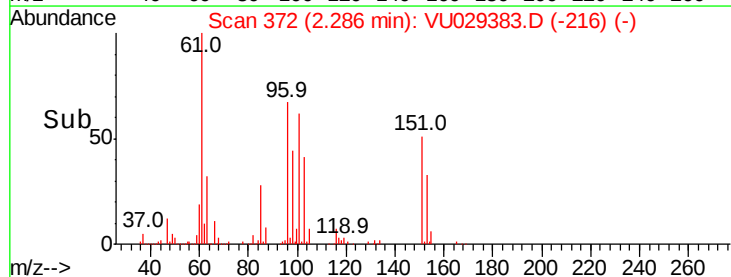
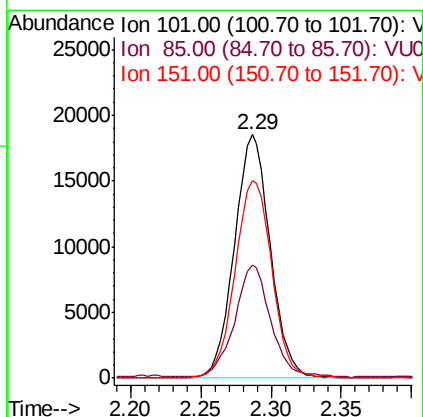
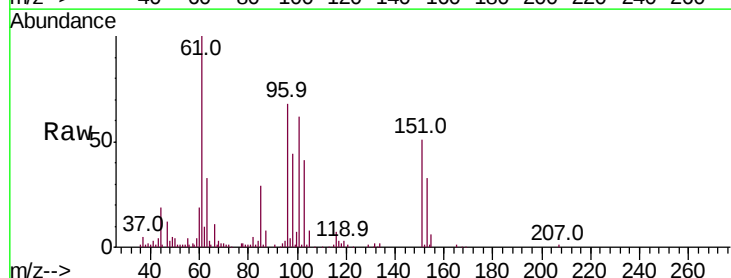
Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	53.9	80.9

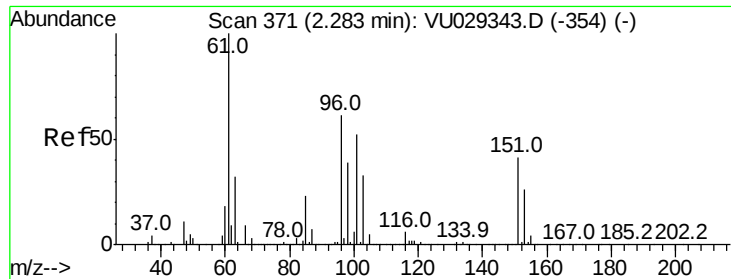


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.090 ug/l
 RT: 2.29 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VU029383.D
 Acq: 08 Feb 2019 17:19

Tgt Ion	Ratio	Lower	Upper
101	100		
85	46.8	40.3	60.5
151	83.3	58.1	87.1





#9

1,1-Dichloroethene

Concen: 2.061 ug/l

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Instrument :
MSVOA_U
ClientSampled :

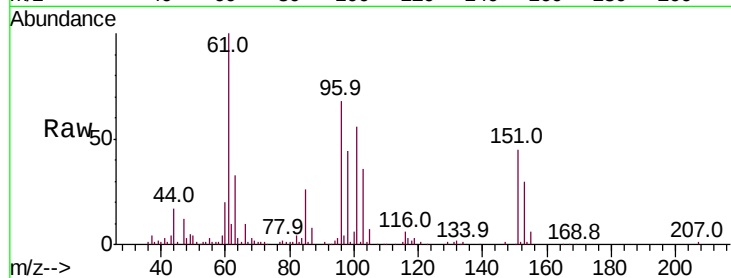
Tot Ion: 96 Resp: 31832

Ion Ratio Lower Upper

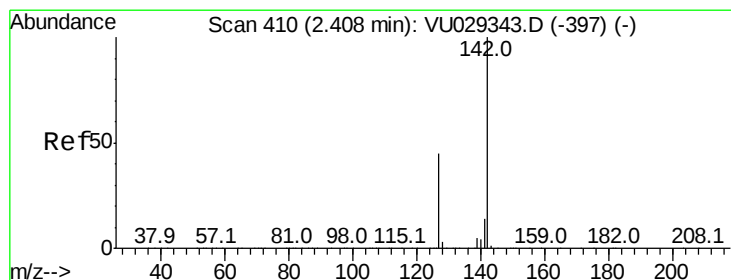
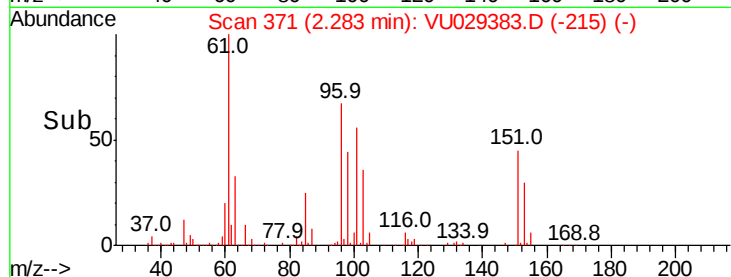
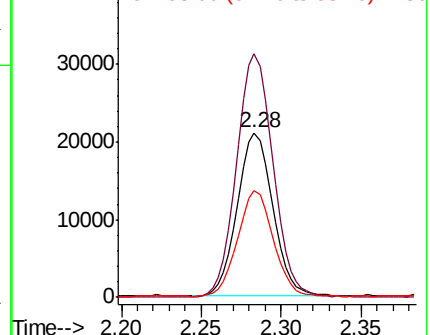
96 100

61 148.9 0.0 641.4

98 65.0 0.0 122.6



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0



#10

Iodomethane

Concen: 1.316 ug/l

RT: 2.41 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU029383.D

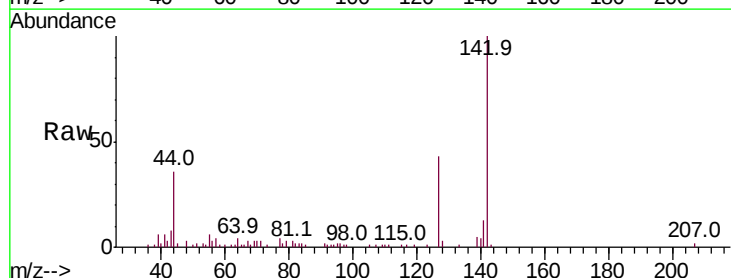
Acq: 08 Feb 2019 17:19

Tgt Ion:142 Resp: 24219

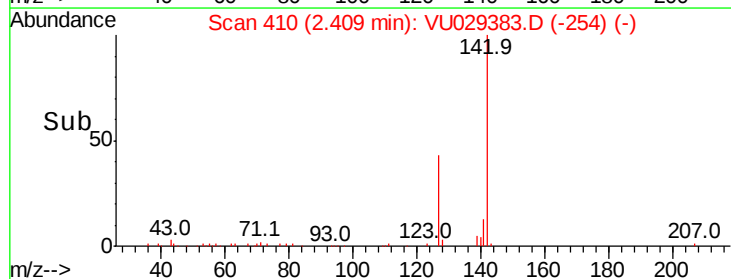
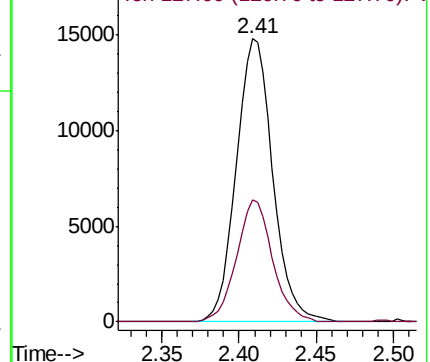
Ion Ratio Lower Upper

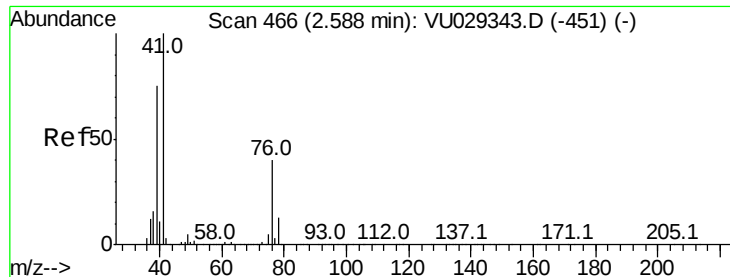
142 100

127 42.5 47.6 71.4#



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V

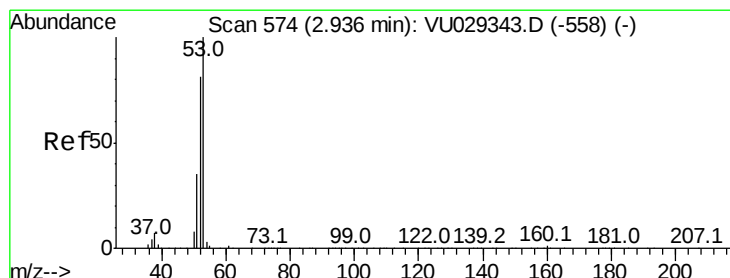
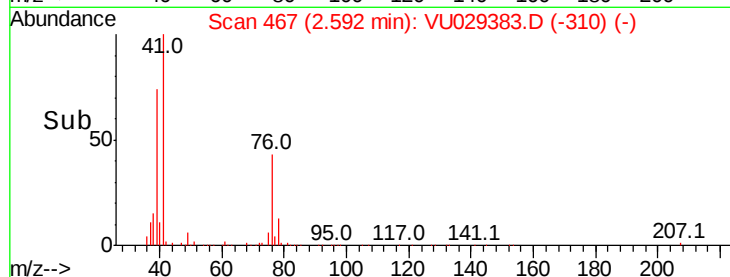
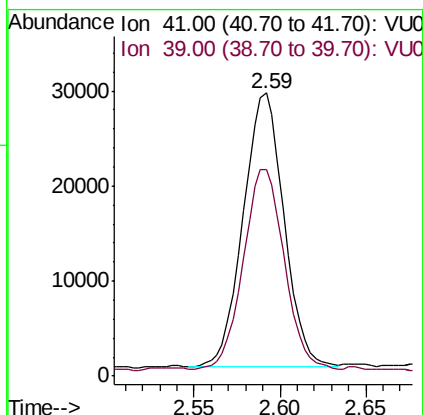
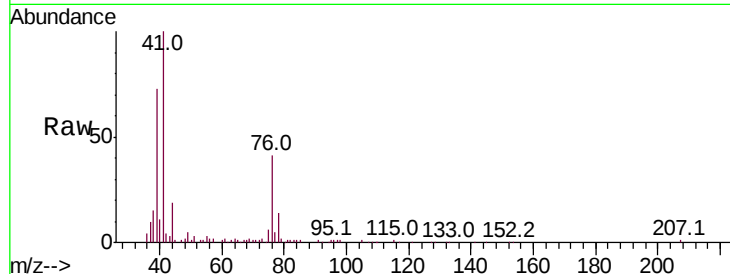




#11
Allvl Chloride
Concen: 1.823 ug/l
RT: 2.59 min Scan# 467
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

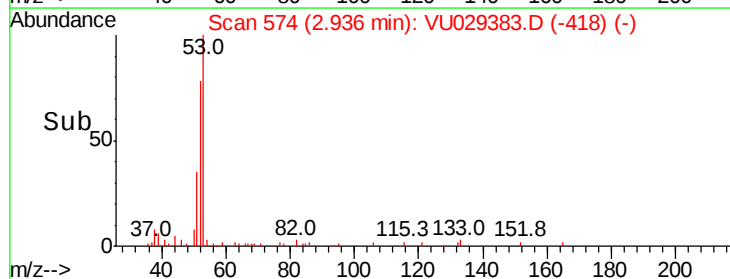
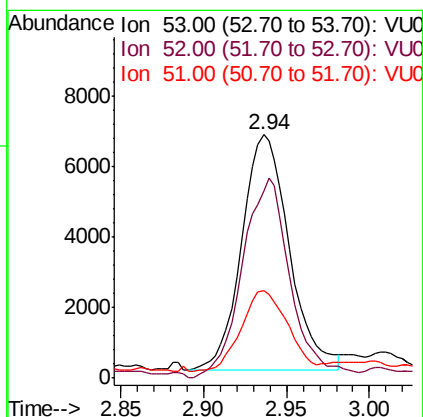
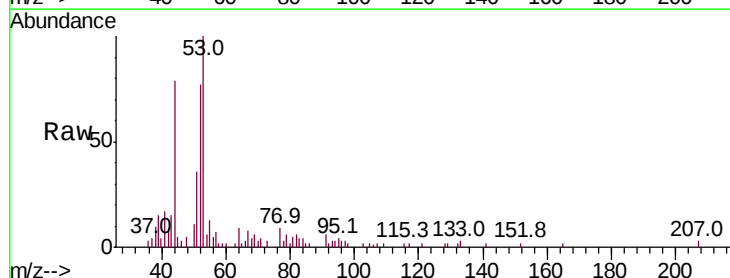
Instrument :
MSVOA_U
ClientSampleId :

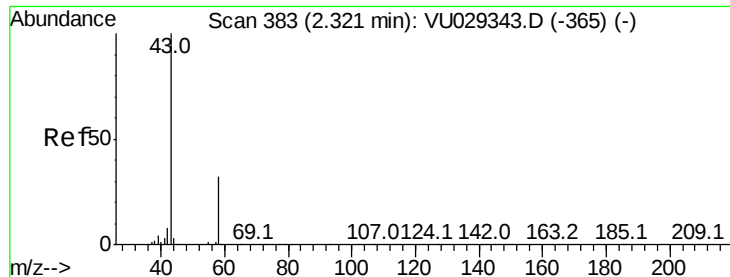
Tot Ion: 41 Resp: 47219
Ion Ratio Lower Upper
41 100
39 73.3 67.2 100.8



#12
Acrylonitrile
Concen: 3.865 ug/l
RT: 2.94 min Scan# 574
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

Tgt Ion: 53 Resp: 13378
Ion Ratio Lower Upper
53 100
52 86.0 67.6 101.4
51 32.9 31.0 46.4





#13

Acetone

Concen: 8.534 ug/l

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Instrument :

MSVOA_U

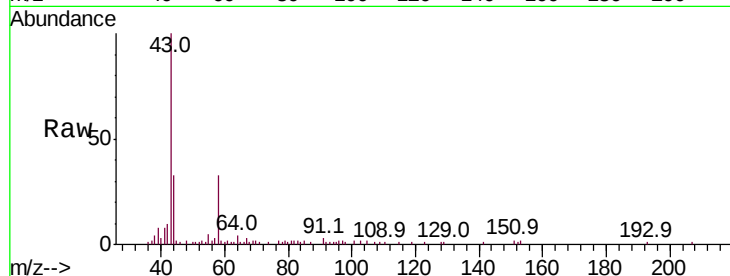
ClientSampleId :

Tot Ion: 43 Resp: 28472

Ion Ratio Lower Upper

43 100

58 33.4 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

20000

15000

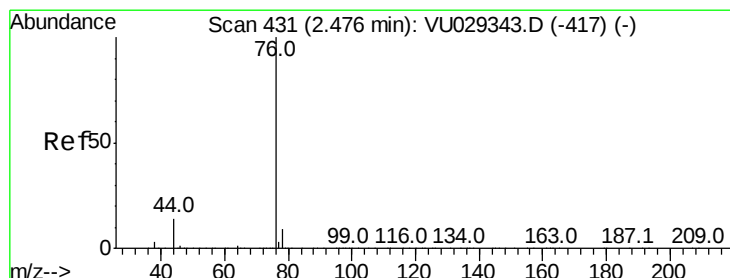
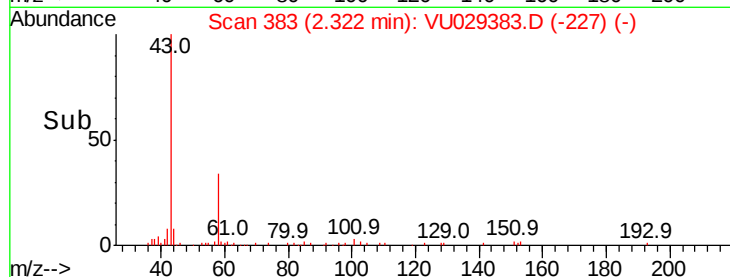
10000

5000

0

Time-->

2.25 2.30 2.35 2.40



#14

Carbon Disulfide

Concen: 1.904 ug/l

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU029383.D

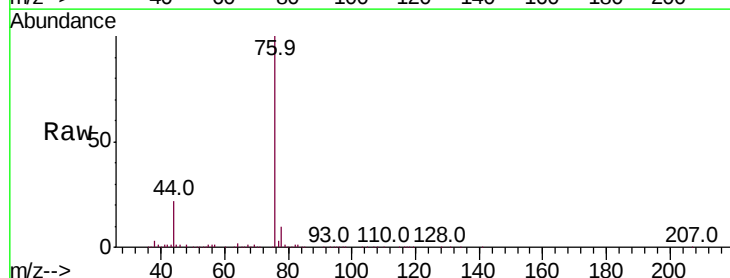
Acq: 08 Feb 2019 17:19

Tgt Ion: 76 Resp: 103835

Ion Ratio Lower Upper

76 100

78 9.9 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.48

60000

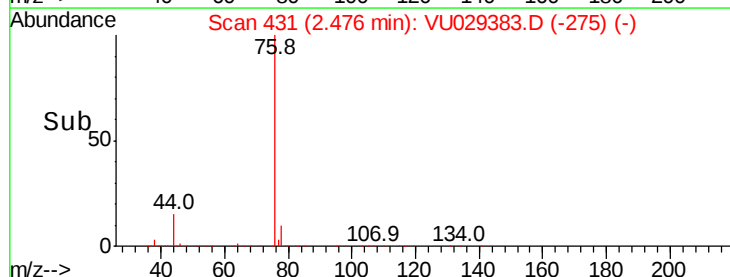
40000

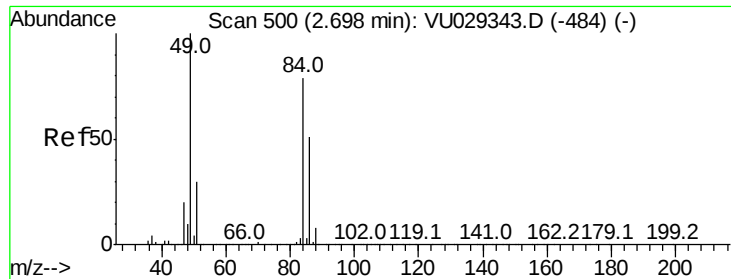
20000

0

Time-->

2.40 2.45 2.50 2.55

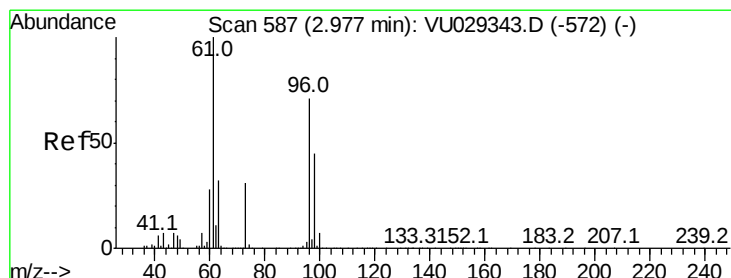
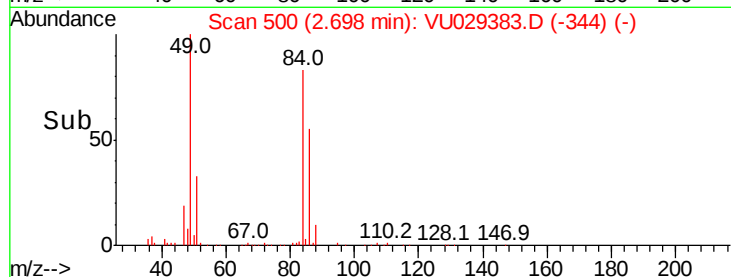
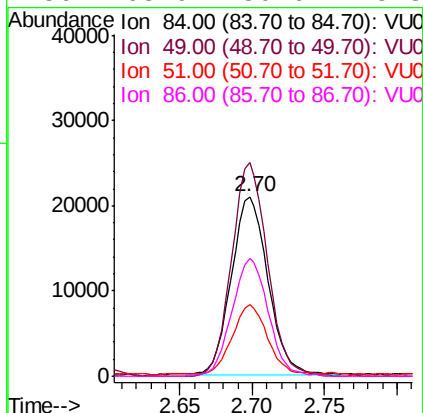
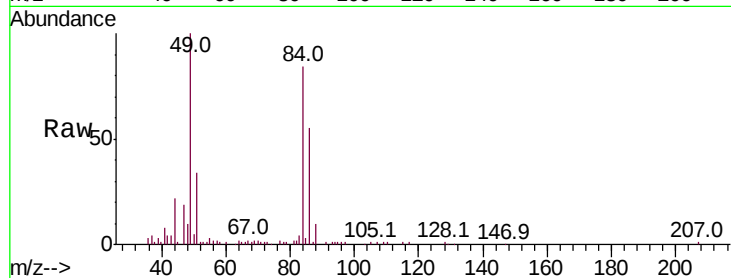




#15
Methylene Chloride
Concen: 1.942 ug/l
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

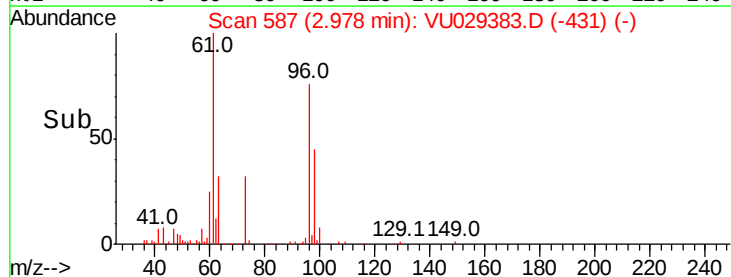
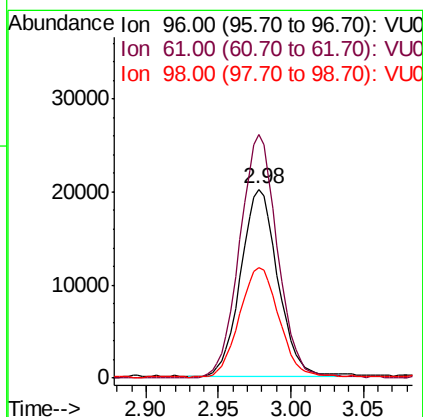
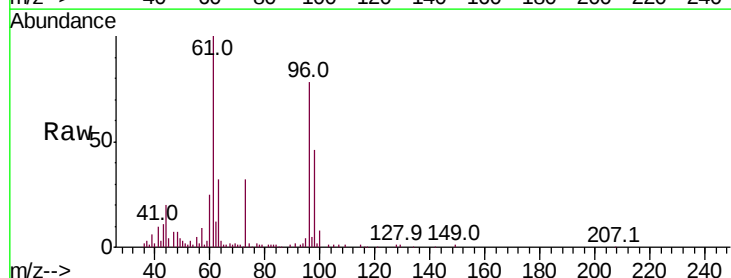
Instrument :
MSVOA_U
ClientSampleId :

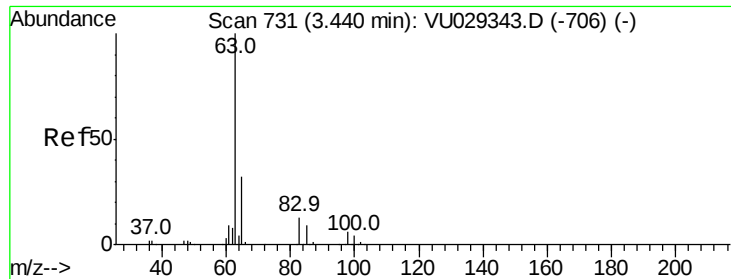
Tot Ion:	84	Resp:	36375
Ion	Ratio	Lower	Upper
84	100		
49	120.0	127.0	190.6#
51	39.0	0.0	93.4
86	65.9	50.6	75.8



#16
trans-1,2-Dichloroethene
Concen: 2.091 ug/l
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

Tgt Ion:	96	Resp:	36118
Ion	Ratio	Lower	Upper
96	100		
61	129.7	140.6	210.8#
98	58.6	49.3	73.9





#17

1,1-Dichloroethane

Concen: 1.809 ug/l

RT: 3.44 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Instrument :
MSVOA_U
ClientSampleId :

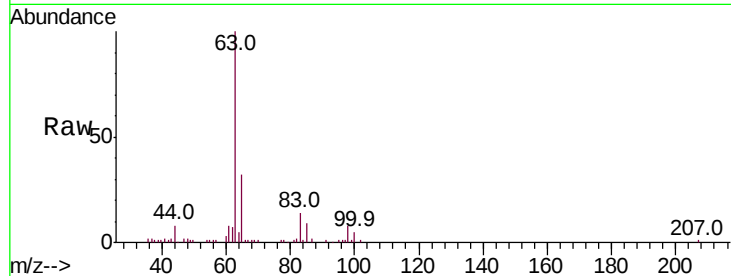
Tot Ion: 63 Resp: 49508

Ion Ratio Lower Upper

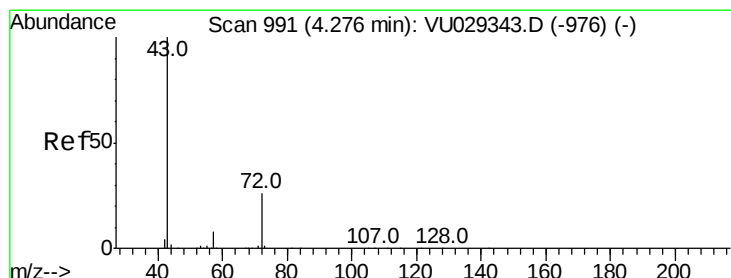
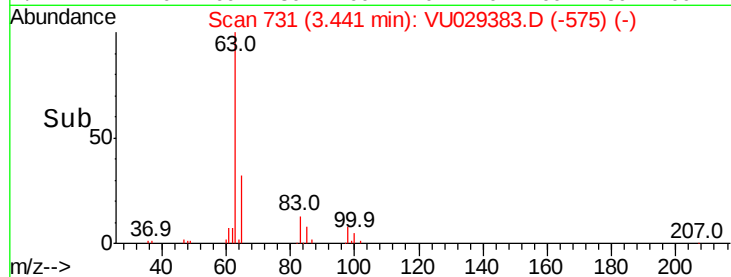
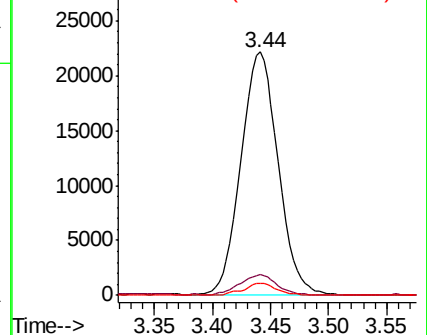
63 100

98 8.4 2.9 8.8

100 5.0 1.7 5.1



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0



#18

2-Butanone

Concen: 8.051 ug/l

RT: 4.28 min Scan# 993

Delta R.T. 0.01 min

Lab File: VU029383.D

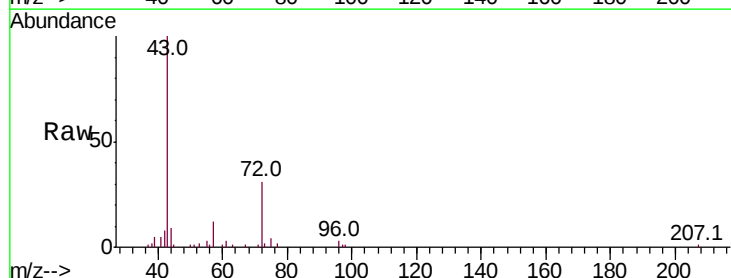
Acq: 08 Feb 2019 17:19

Tgt Ion: 43 Resp: 30018

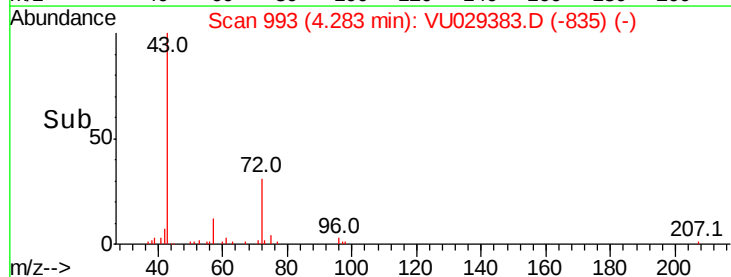
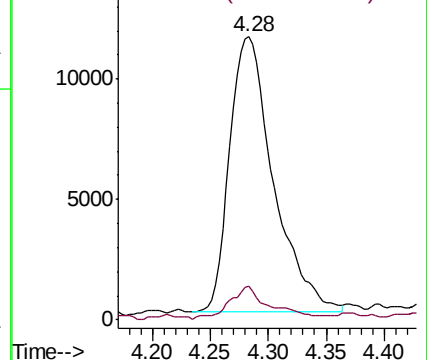
Ion Ratio Lower Upper

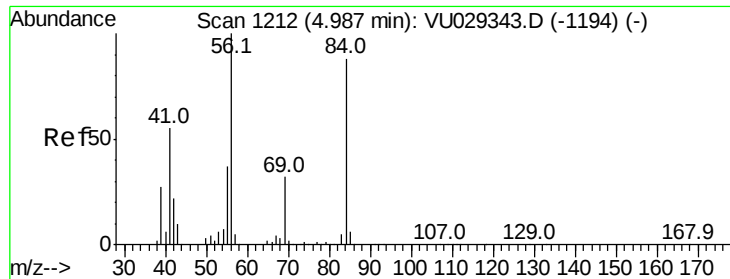
43 100

57 12.1 0.0 15.8



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

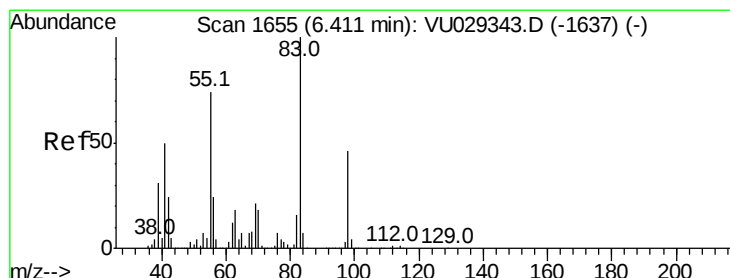
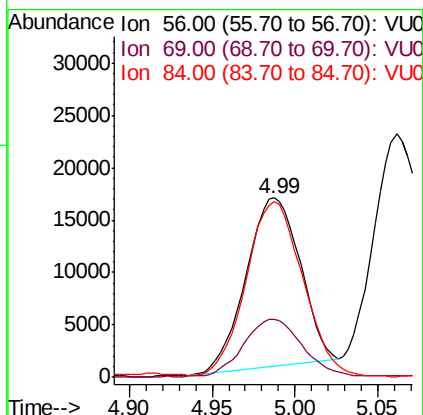
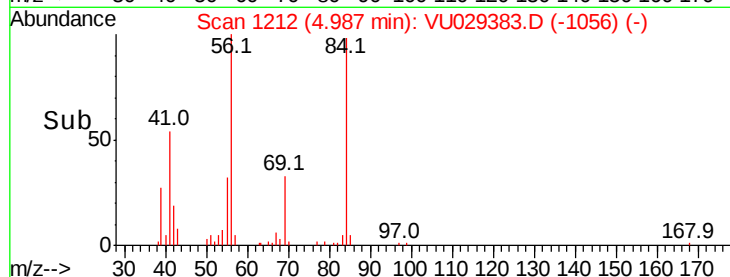
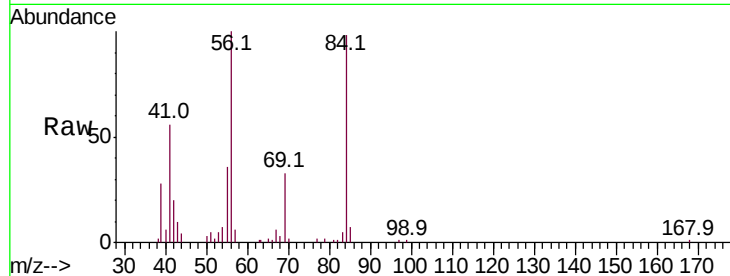




#19
Cyclohexane
Concen: 1.444 ug/l
RT: 4.99 min Scan# 1212
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

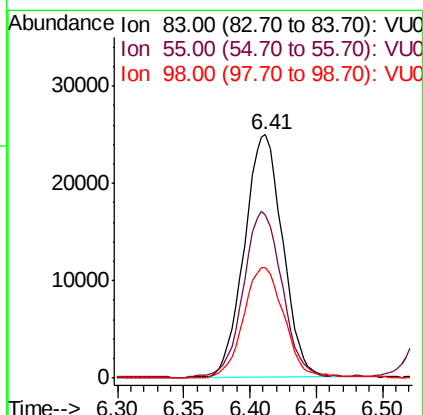
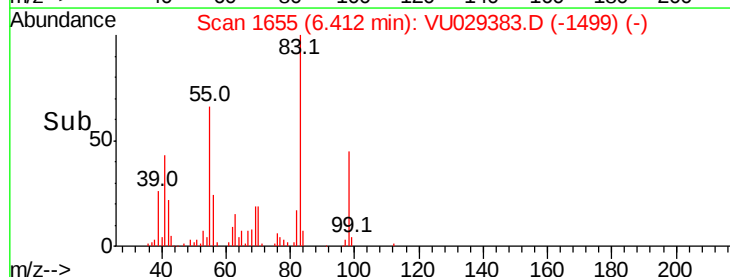
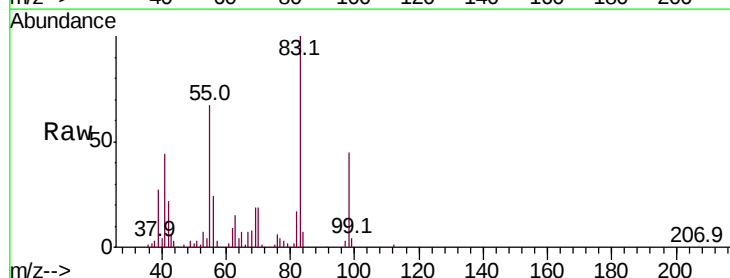
Instrument :
MSVOA_U
ClientSampleId :

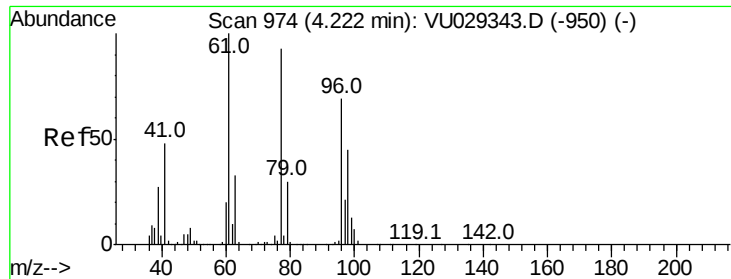
Tot Ion: 56 Resp: 36654
Ion Ratio Lower Upper
56 100
69 36.6 26.8 40.2
84 108.7 71.5 107.3#



#20
Methylcyclohexane
Concen: 1.887 ug/l
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

Tgt Ion: 83 Resp: 50295
Ion Ratio Lower Upper
83 100
55 68.5 72.4 108.6#
98 47.1 36.6 54.8

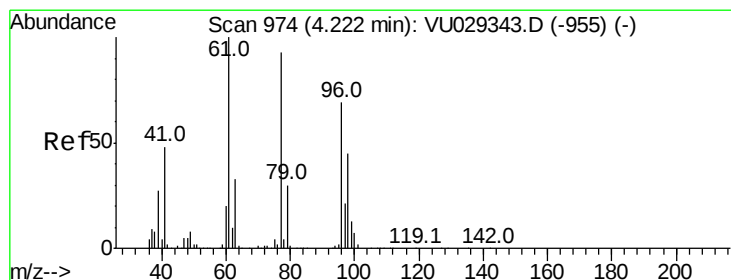
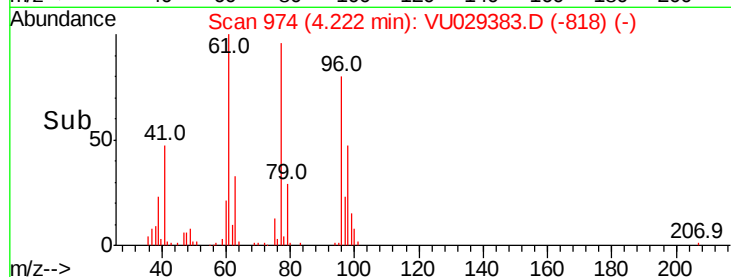
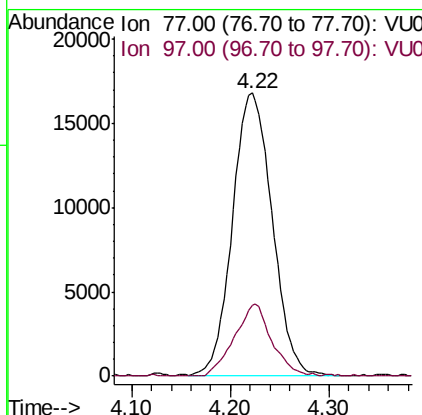
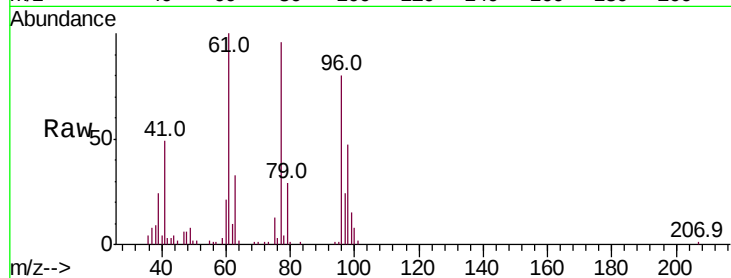




#21
 2,2-Dichloropropane
 Concen: 1.856 ug/l
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU029383.D
 Acq: 08 Feb 2019 17:19

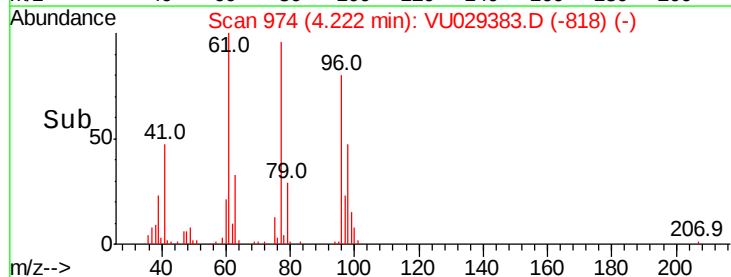
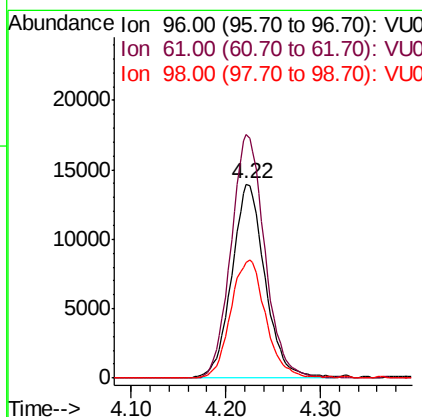
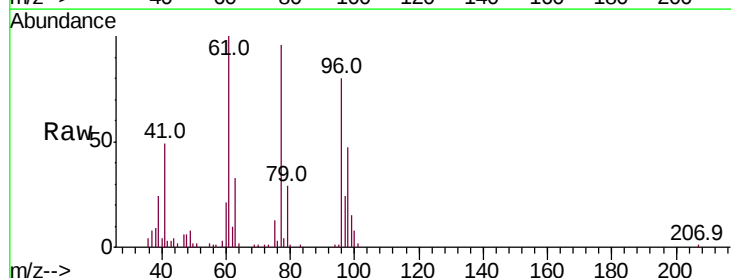
Instrument :
 MSVOA_U
 ClientSampleId :

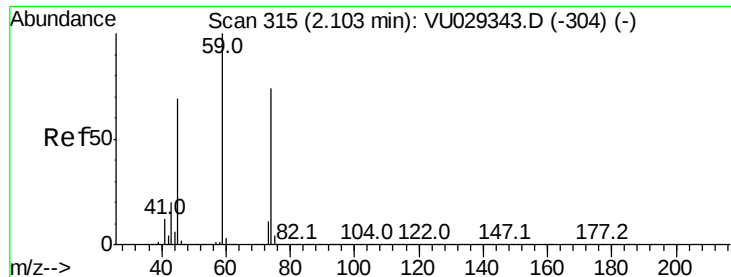
Tot Ion: 77 Resp: 47017
 Ion Ratio Lower Upper
 77 100
 97 23.8 15.6 23.4#



#22
 cis-1,2-Dichloroethene
 Concen: 2.108 ug/l
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU029383.D
 Acq: 08 Feb 2019 17:19

Tgt Ion: 96 Resp: 34300
 Ion Ratio Lower Upper
 96 100
 61 126.5 0.0 460.0
 98 63.3 32.6 97.7

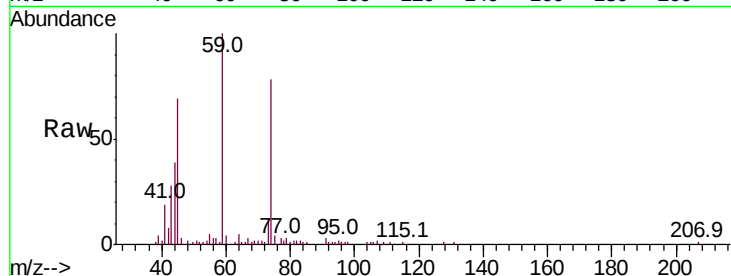




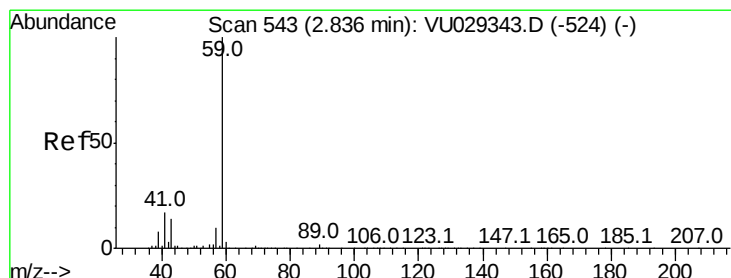
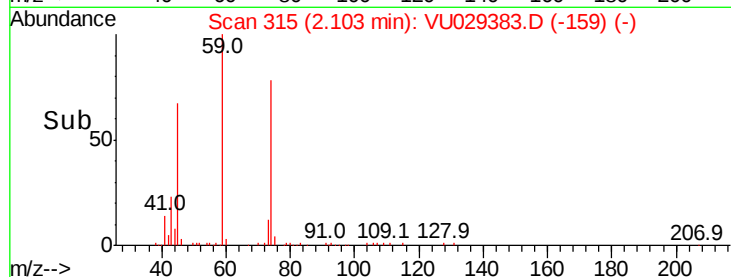
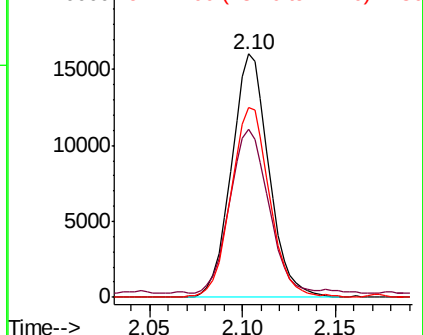
#23
Diethyl Ether
Concen: 1.809 ug/l
RT: 2.10 min Scan# 315
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 59 Resp: 22430
Ion Ratio Lower Upper
59 100
45 70.8 64.2 96.4
74 80.6 55.3 82.9

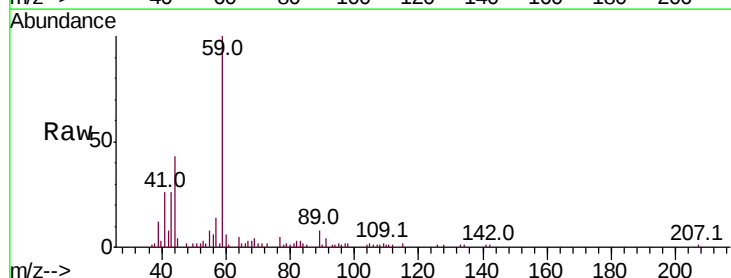


Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

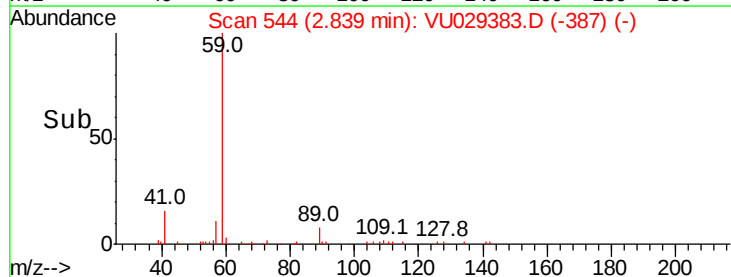
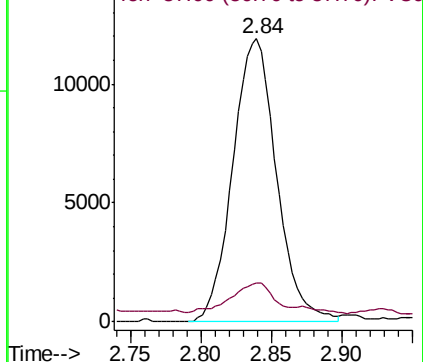


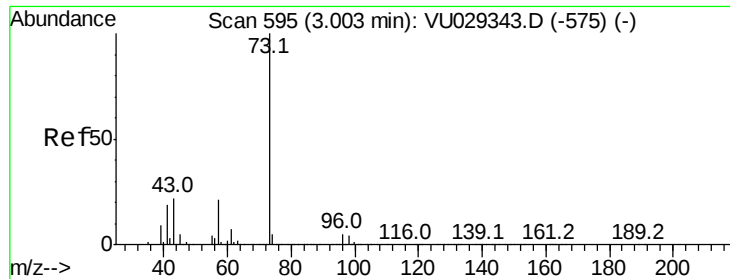
#24
tert-Butyl Alcohol
Concen: 20.113 ug/l
RT: 2.84 min Scan# 544
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

Tgt Ion: 59 Resp: 25923
Ion Ratio Lower Upper
59 100
57 9.5 8.8 13.2



Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 57.00 (56.70 to 57.70): VU0



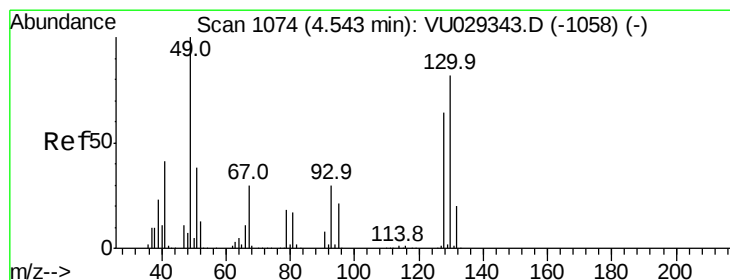
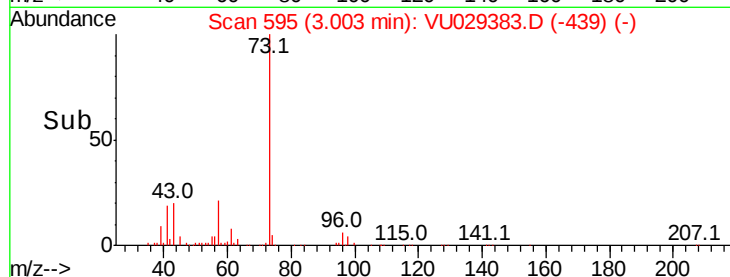
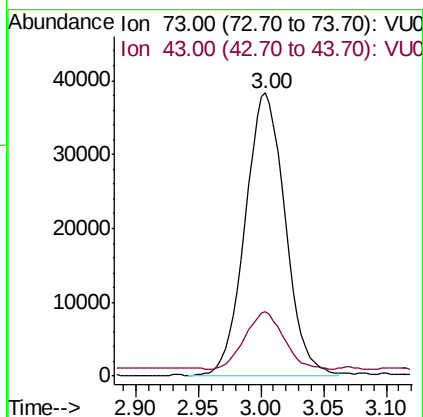
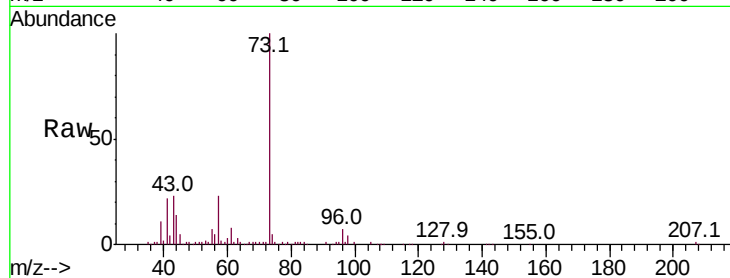


#25

Methyl tert-Butyl Ether
 Concen: 1.938 ug/l
 RT: 3.00 min Scan# 595
 Delta R.T. 0.00 min
 Lab File: VU029383.D
 Acq: 08 Feb 2019 17:19

Instrument :
 MSVOA_U
 ClientSampled :

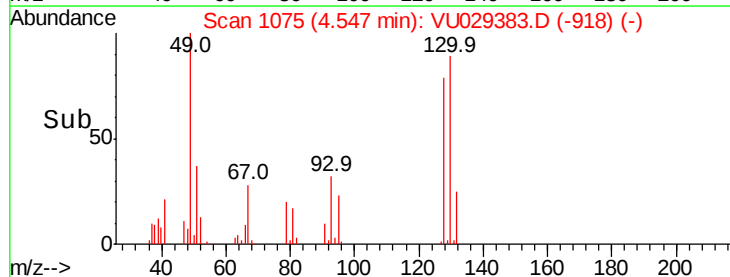
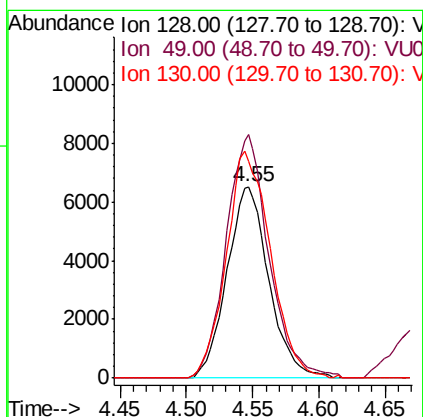
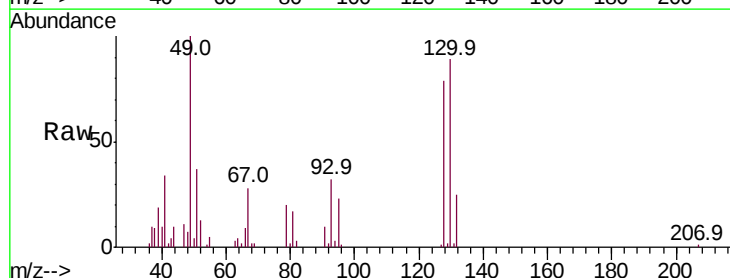
Tot Ion: 73 Resp: 84299
 Ion Ratio Lower Upper
 73 100
 43 19.7 22.1 33.1#

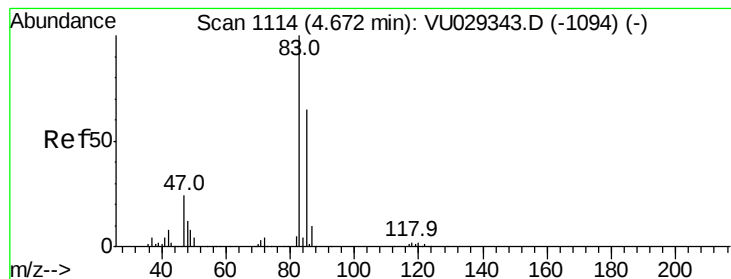


#26

Bromochloromethane
 Concen: 1.990 ug/l
 RT: 4.55 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VU029383.D
 Acq: 08 Feb 2019 17:19

Tgt Ion: 128 Resp: 14305
 Ion Ratio Lower Upper
 128 100
 49 130.0 0.0 401.6
 130 125.5 108.0 162.0





#27

Chloroform

Concen: 1.953 ug/l

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

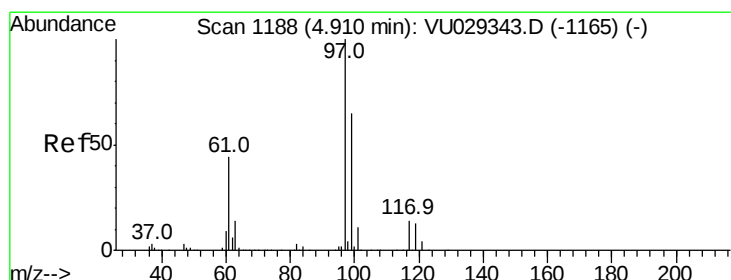
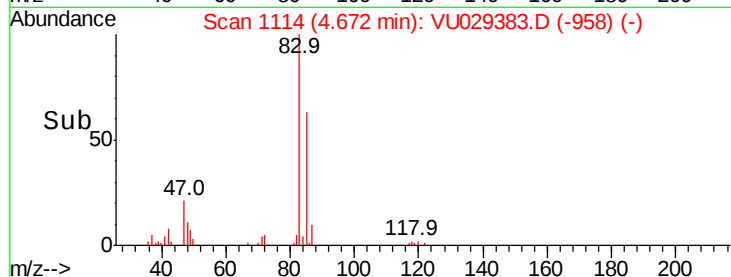
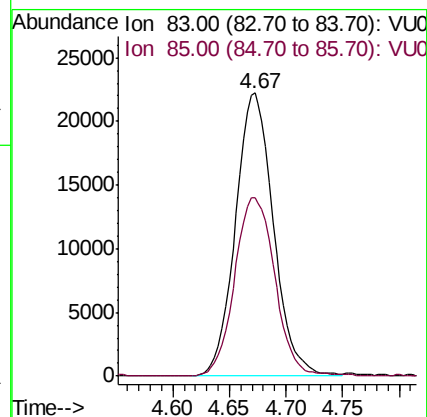
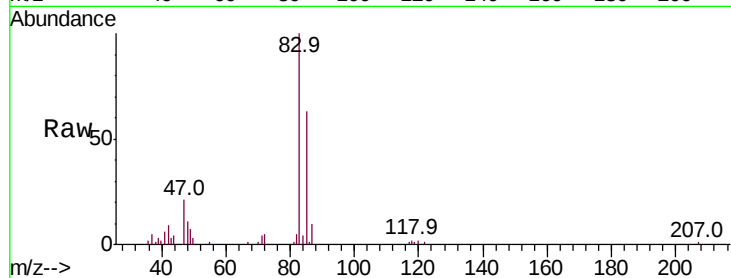
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 51982

Ion Ratio Lower Upper

83 100

85 62.9 0.0 126.6



#28

1,1,1-Trichloroethane

Concen: 1.907 ug/l

RT: 4.91 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

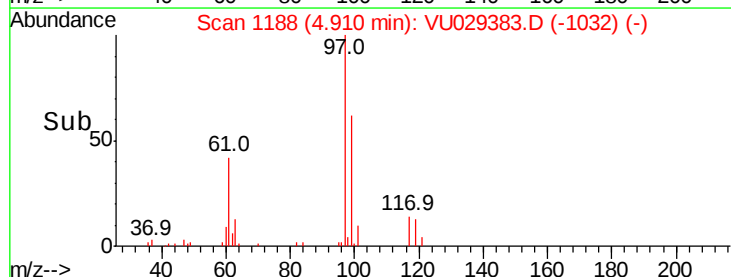
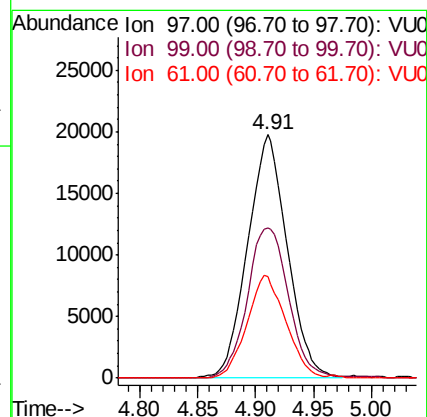
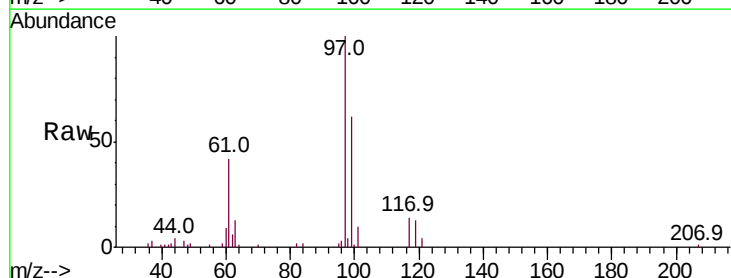
Tgt Ion: 97 Resp: 47048

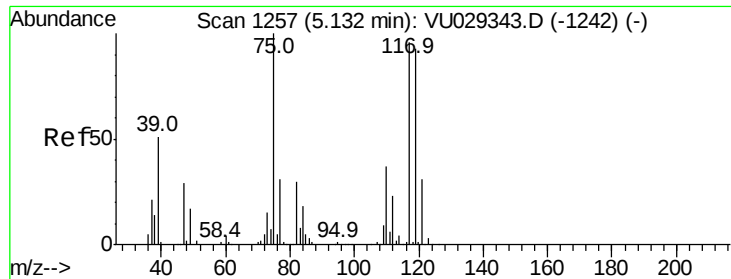
Ion Ratio Lower Upper

97 100

99 64.4 32.4 97.2

61 41.3 24.4 73.2





#29

1,1-Dichloropropene

Concen: 1.912 ug/l

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Instrument :
MSVOA_U
ClientSampleId :

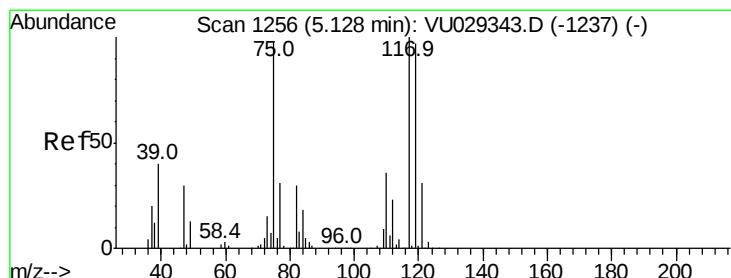
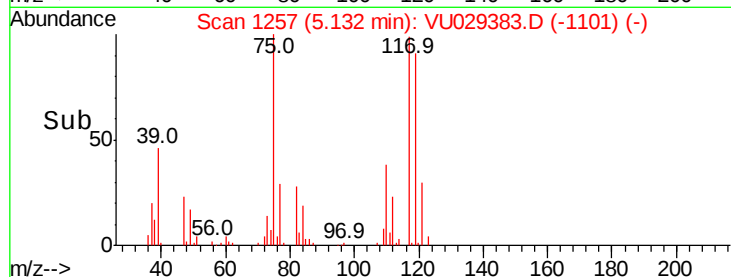
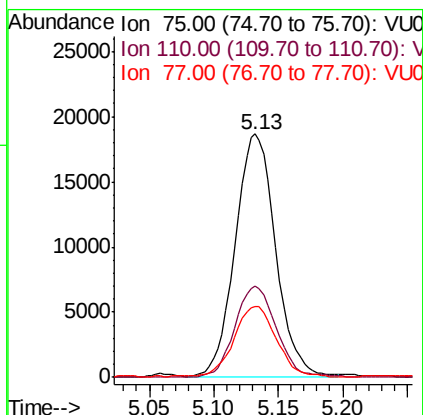
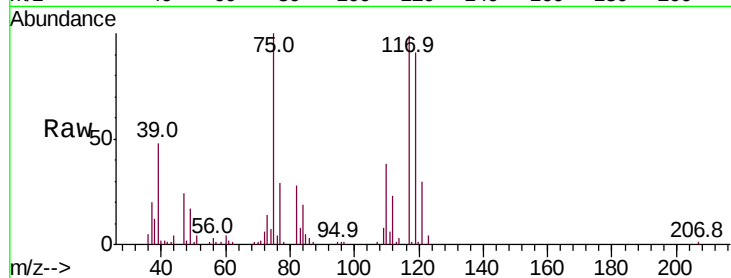
Tot Ion: 75 Resp: 40941

Ion Ratio Lower Upper

75 100

110 38.4 15.4 46.2

77 30.8 24.1 36.1



#30

Carbon Tetrachloride

Concen: 1.919 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

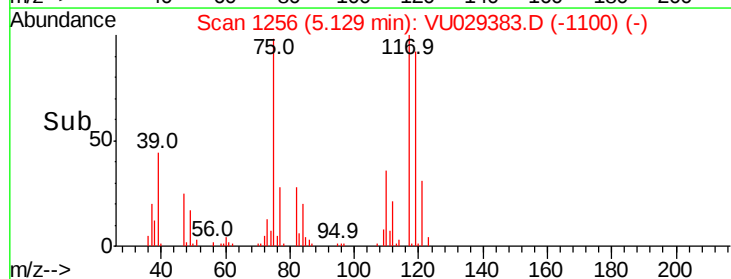
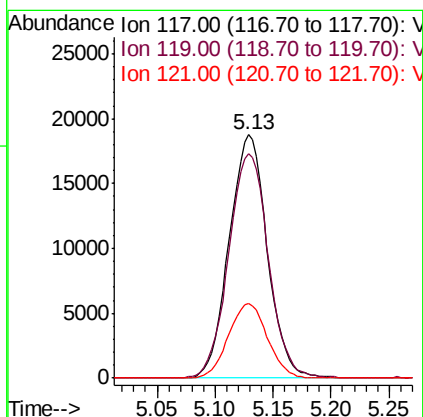
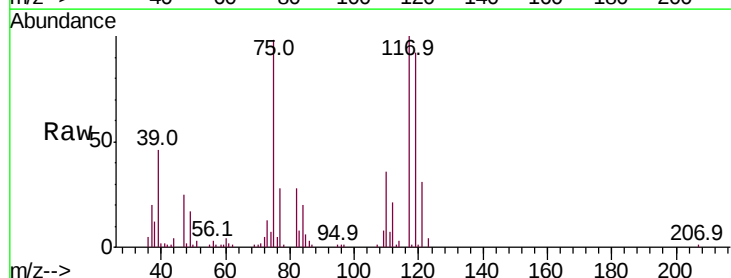
Tgt Ion: 117 Resp: 42862

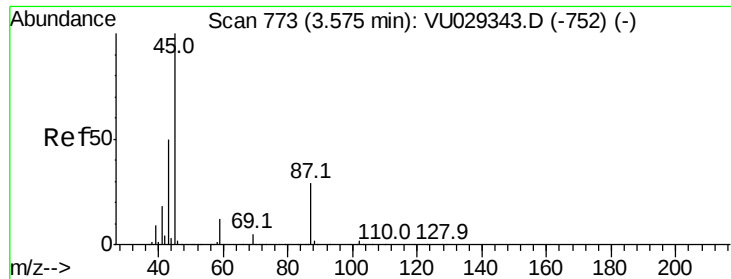
Ion Ratio Lower Upper

117 100

119 92.2 76.8 115.2

121 30.7 24.4 36.6





#31

Isopropyl Ether

Concen: 1.761 ug/l

RT: 3.58 min Scan# 773

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Instrument :

MSVOA_U

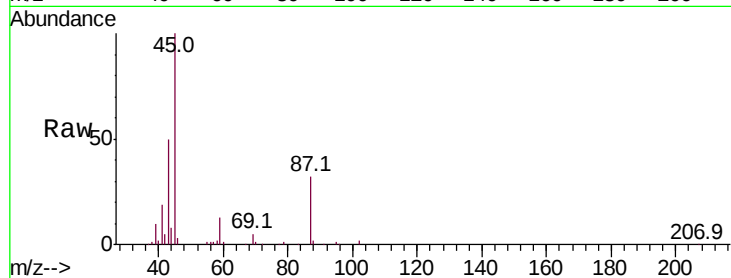
ClientSampleId :

Tot Ion: 45 Resp: 72744

Ion Ratio Lower Upper

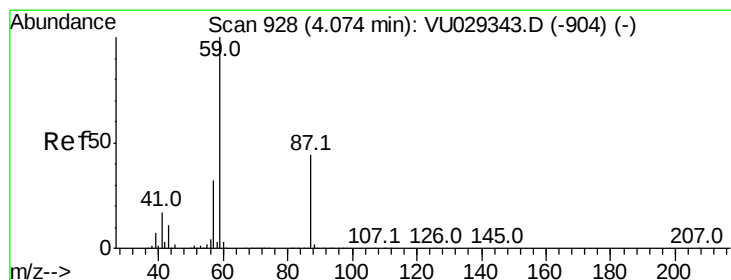
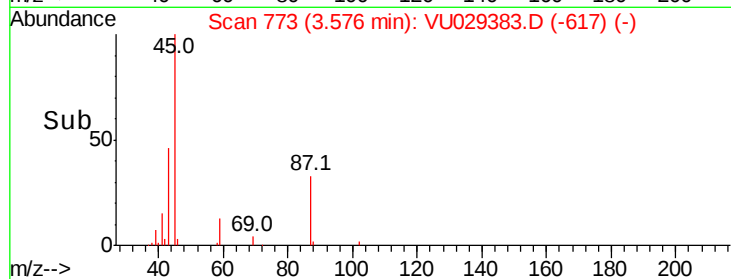
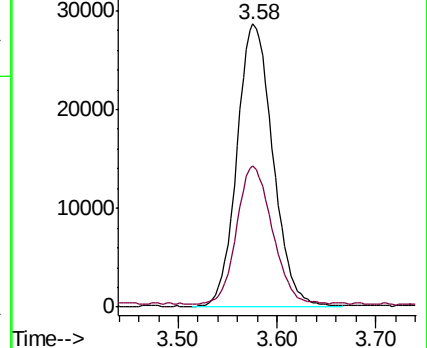
45 100

43 48.0 28.4 85.3



Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0



#32

Ethyl-t-butyl ether

Concen: 1.807 ug/l

RT: 4.07 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU029383.D

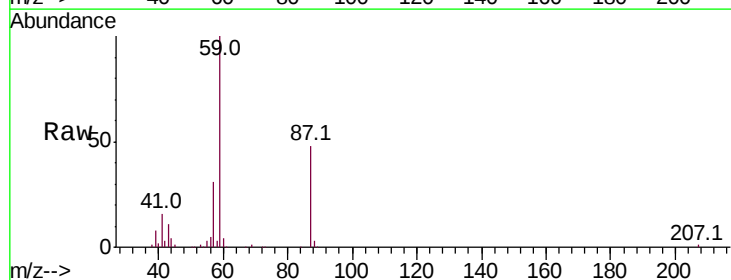
Acq: 08 Feb 2019 17:19

Tgt Ion: 59 Resp: 74770

Ion Ratio Lower Upper

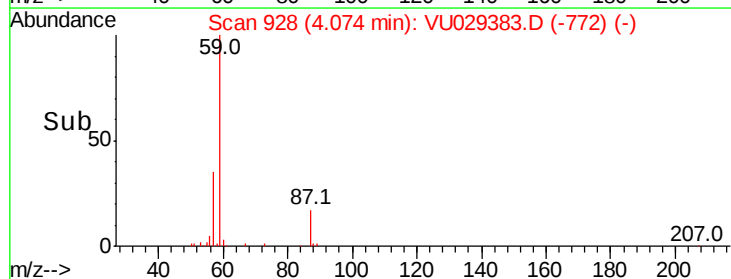
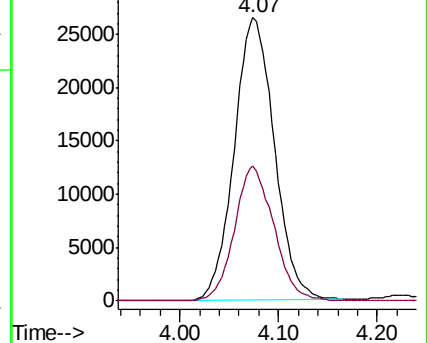
59 100

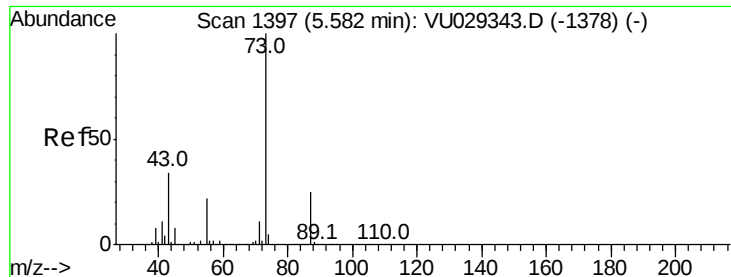
87 46.8 31.1 46.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



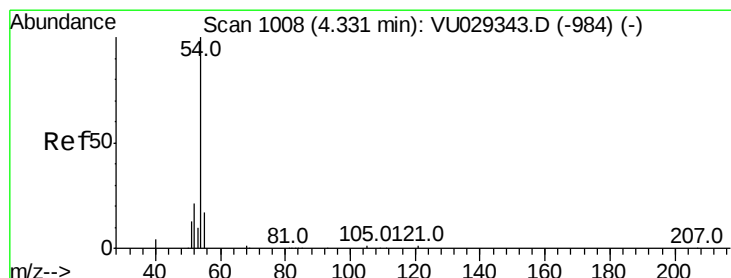
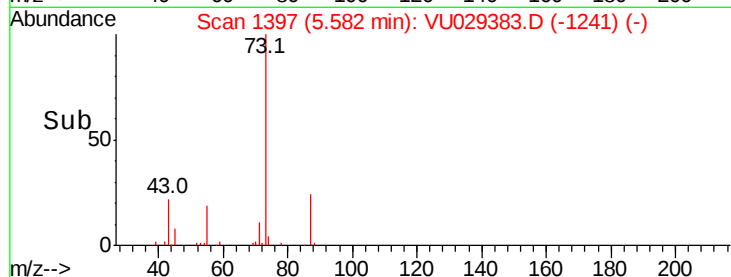
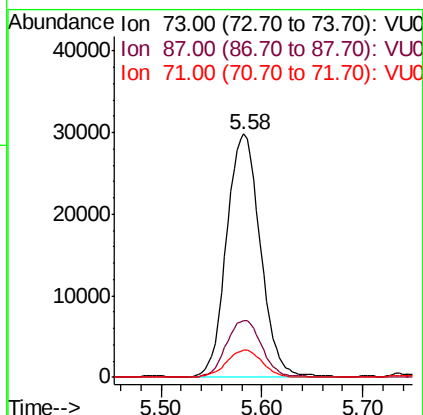
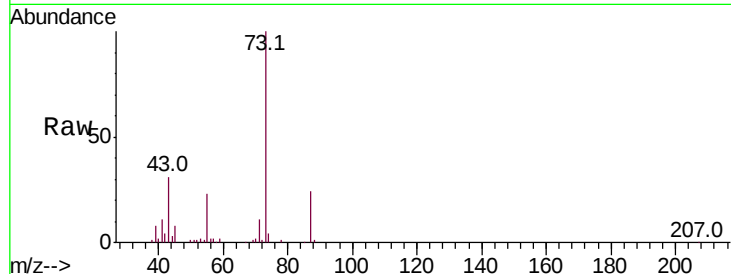


#33

Tert-Butyl methyl ether
 Concen: 1.864 ug/l
 RT: 5.58 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VU029383.D
 Acq: 08 Feb 2019 17:19

Instrument :
 MSVOA_U
 ClientSampleId :

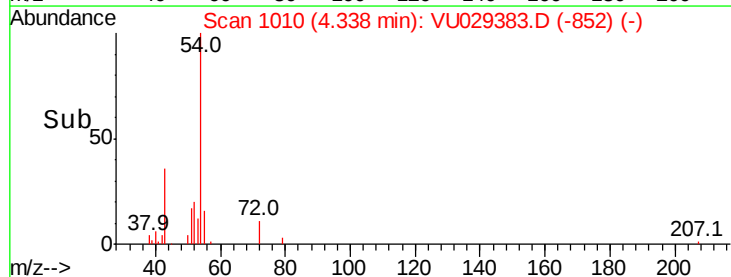
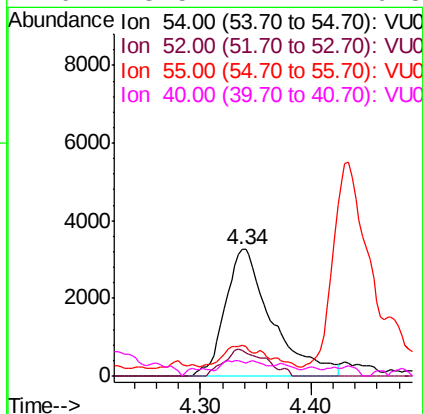
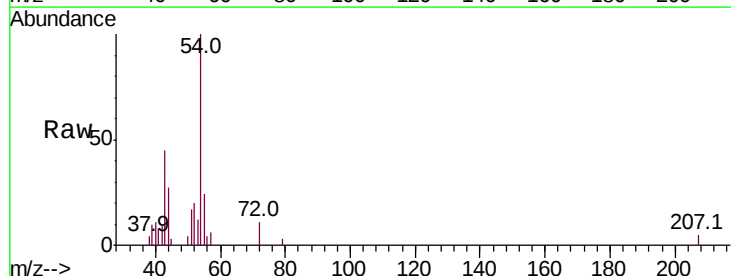
Tot Ion	Ratio	Lower	Upper
73	100		
87	24.5	19.4	29.0
71	11.7	9.0	13.4

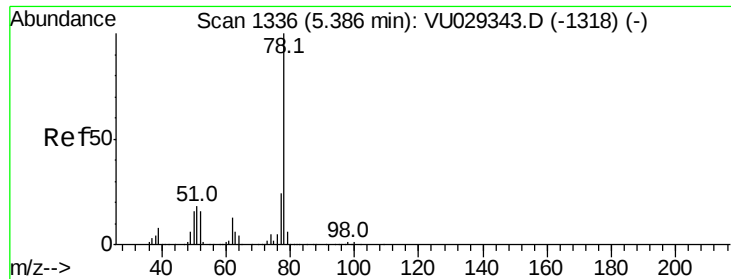


#34

Propionitrile
 Concen: 9.763 ug/l
 RT: 4.34 min Scan# 1010
 Delta R.T. 0.01 min
 Lab File: VU029383.D
 Acq: 08 Feb 2019 17:19

Tgt Ion	Ratio	Lower	Upper
54	100		
52	18.3	18.9	28.3#
55	15.0	15.1	22.7#
40	3.5	7.2	10.8#





#35

Benzene

Concen: 1.897 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

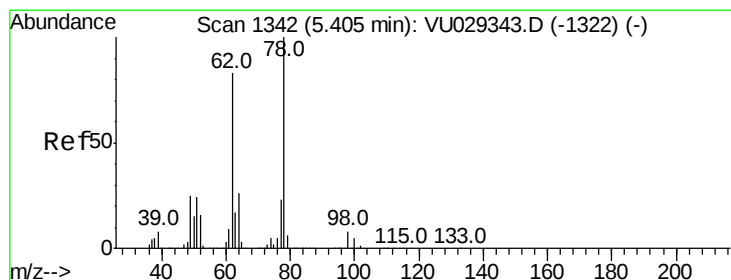
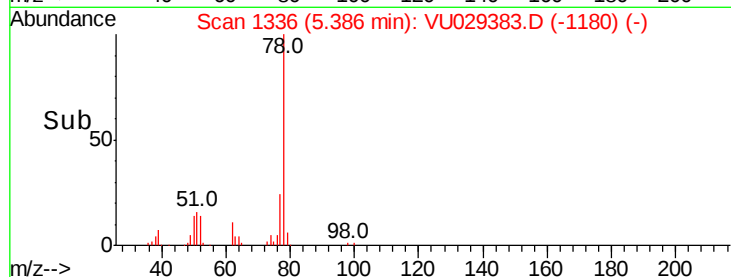
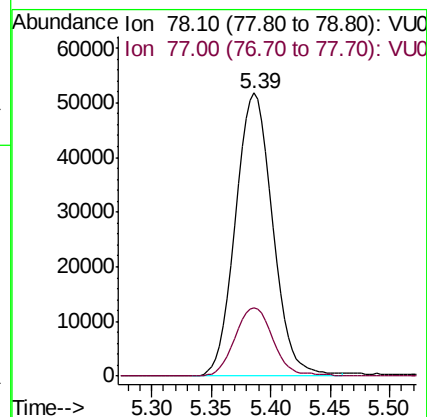
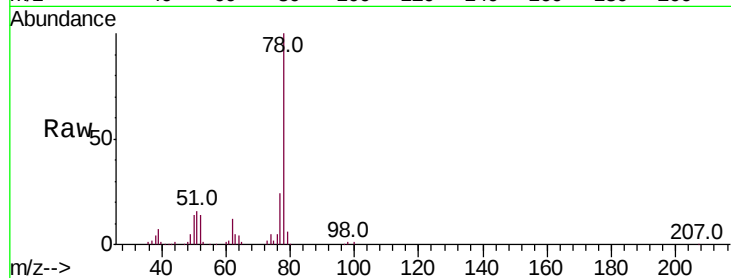
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 78 Resp: 112365

Ion Ratio Lower Upper

78 100

77 24.0 19.8 29.8



#36

1,2-Dichloroethane

Concen: 1.817 ug/l

RT: 5.41 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VU029383.D

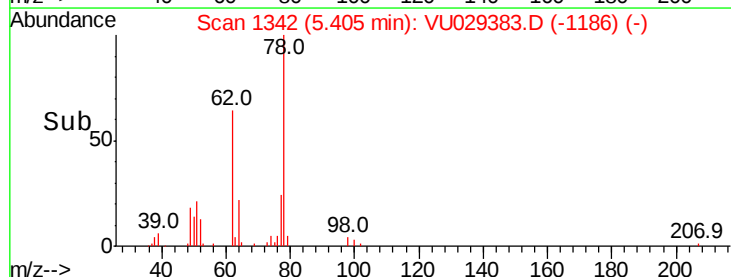
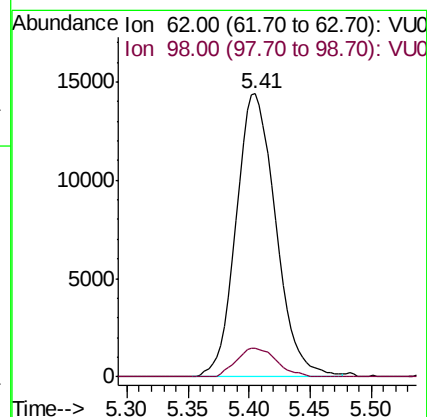
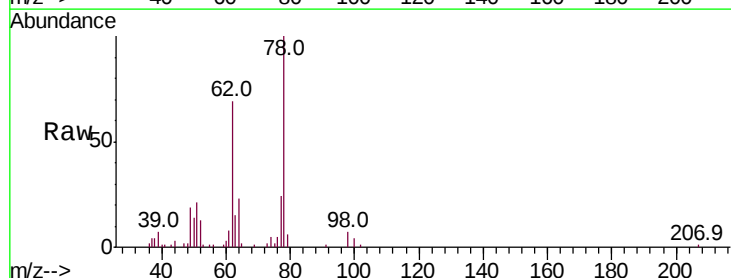
Acq: 08 Feb 2019 17:19

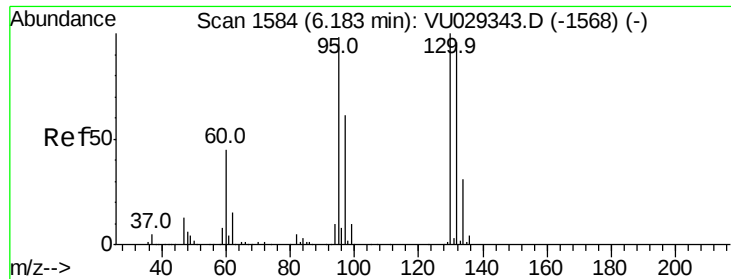
Tgt Ion: 62 Resp: 32541

Ion Ratio Lower Upper

62 100

98 10.4 4.9 7.3#





#37

Trichloroethene

Concen: 1.983 ug/l

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Instrument :

MSVOA_U

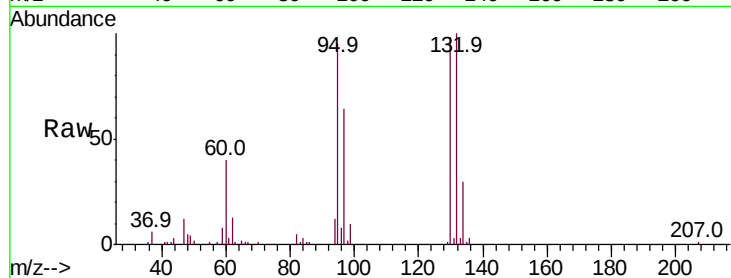
ClientSampleId :

Tot Ion:130 Resp: 33693

Ion Ratio Lower Upper

130 100

95 97.2 85.4 128.0



Abundance Ion 129.90 (129.60 to 130.60): VU029383.D (-1568) (-)

Ion 94.90 (94.60 to 95.60): VU029383.D (-1568) (-)

6.18

20000

15000

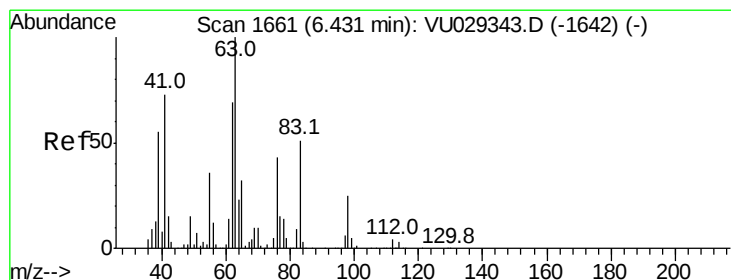
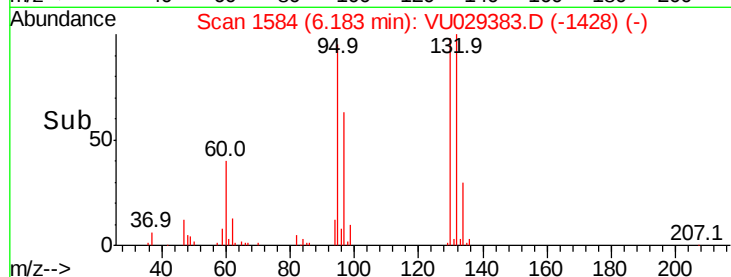
10000

5000

0

6.10 6.20 6.30

Time-->



#38

1,2-Dichloropropane

Concen: 1.791 ug/l

RT: 6.43 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VU029383.D

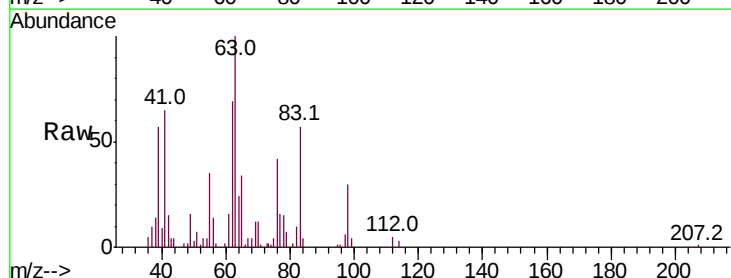
Acq: 08 Feb 2019 17:19

Tgt Ion: 63 Resp: 27594

Ion Ratio Lower Upper

63 100

65 33.6 25.5 38.3



Abundance Ion 63.00 (62.70 to 63.70): VU029383.D (-1642) (-)

Ion 65.00 (64.70 to 65.70): VU029383.D (-1642) (-)

6.43

15000

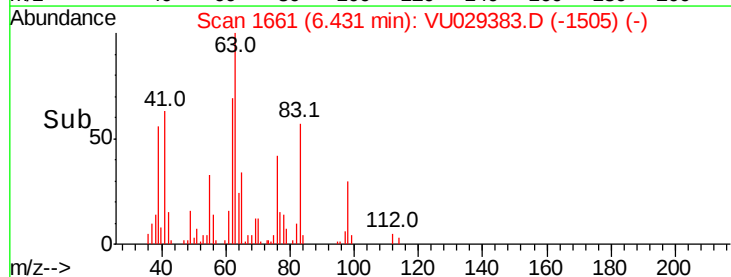
10000

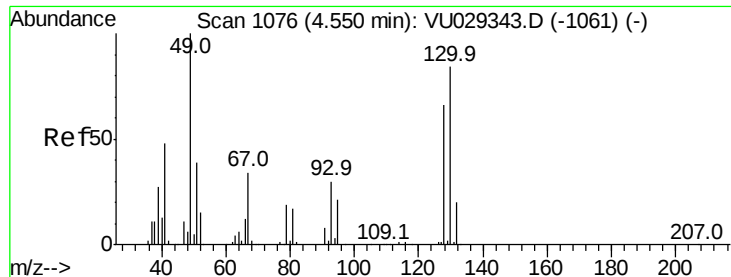
5000

0

6.35 6.40 6.45 6.50

Time-->

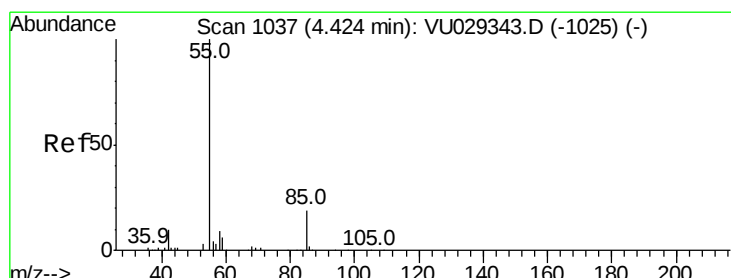
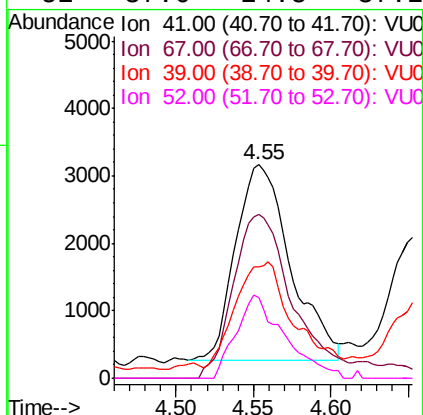
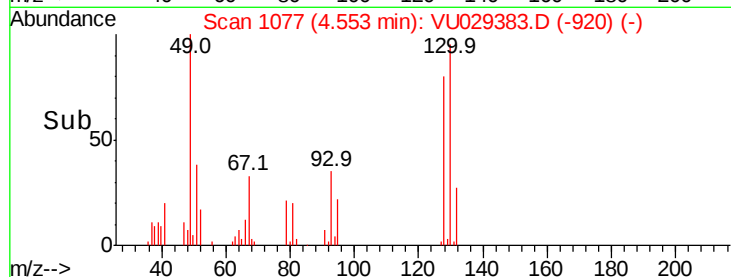
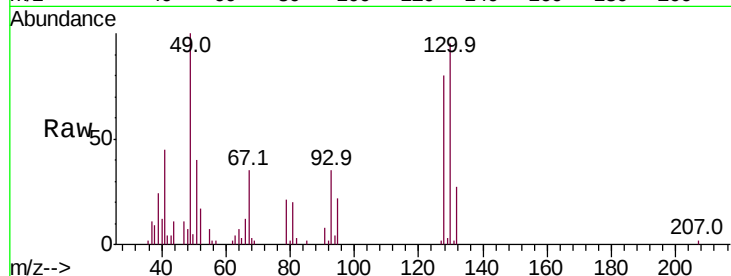




#39
Methacrylonitrile
Concen: 1.420 ug/l
RT: 4.55 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

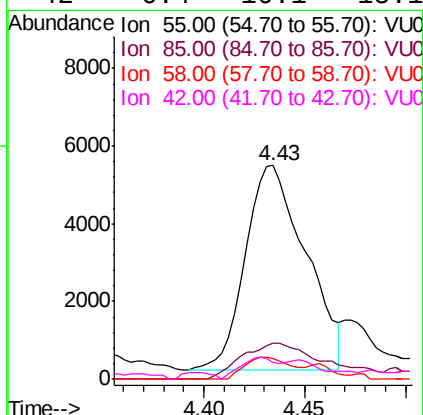
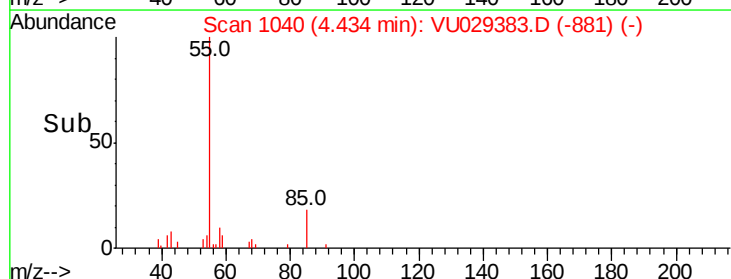
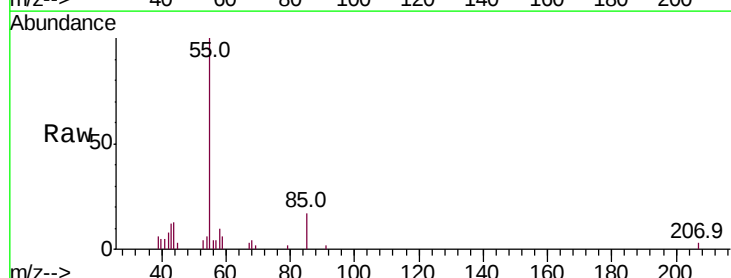
Instrument :
MSVOA_U
ClientSampled :

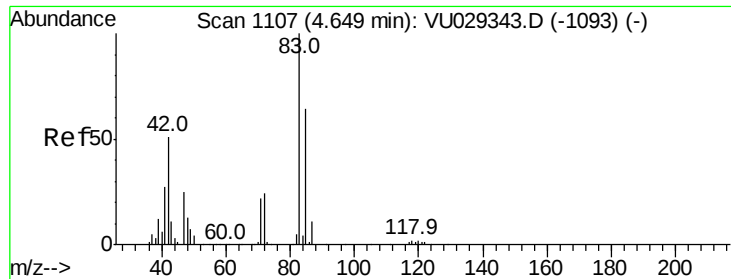
Tot Ion: 41 Resp: 7126
Ion Ratio Lower Upper
41 100
67 90.2 50.1 75.1#
39 56.0 47.9 71.9
52 37.6 24.8 37.2#



#40
Methyl acrylate
Concen: 1.450 ug/l
RT: 4.43 min Scan# 1040
Delta R.T. 0.01 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

Tgt Ion: 55 Resp: 10984
Ion Ratio Lower Upper
55 100
85 24.0 11.3 16.9#
58 8.4 6.2 9.4
42 6.4 10.1 15.1#





#41

Tetrahydrofuran

Concen: 2.890 ug/l

RT: 4.66 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Instrument :

MSVOA_U

ClientSampleId :

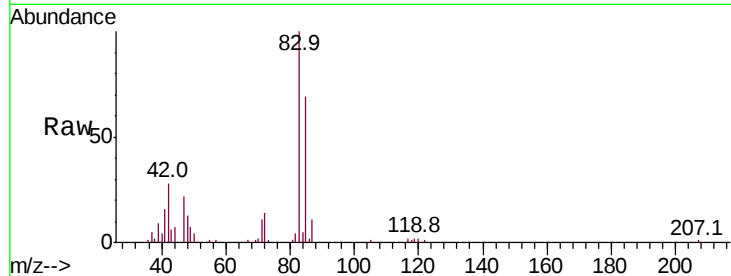
Tot Ion: 42 Resp: 7307

Ion Ratio Lower Upper

42 100

72 61.3 33.1 49.7#

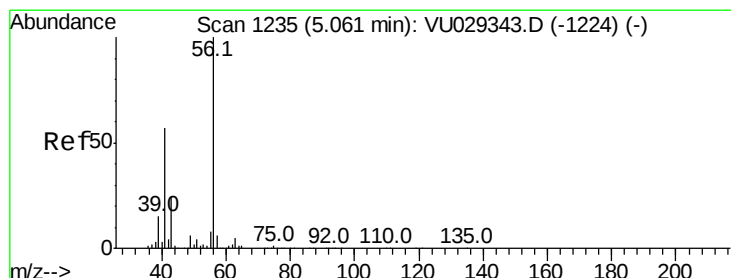
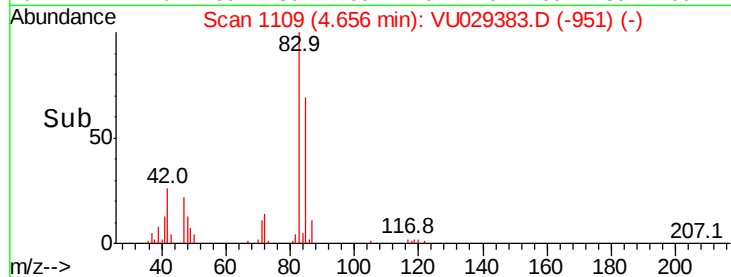
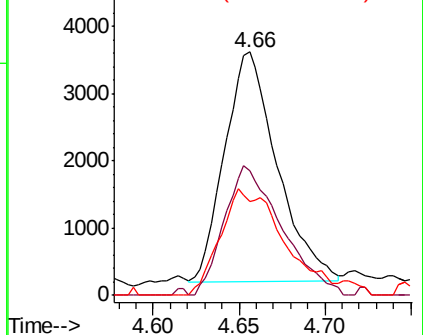
71 55.7 30.2 45.2#



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#42

1-Chlorobutane

Concen: 1.731 ug/l

RT: 5.06 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VU029383.D

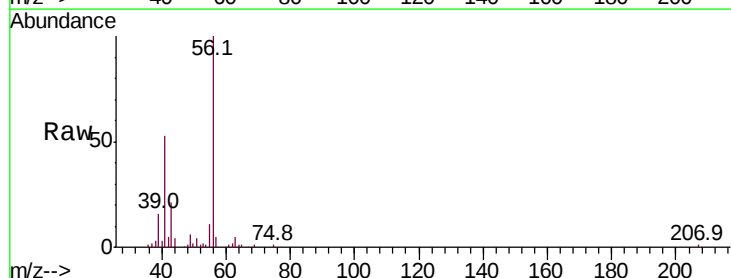
Acq: 08 Feb 2019 17:19

Tgt Ion: 56 Resp: 49678

Ion Ratio Lower Upper

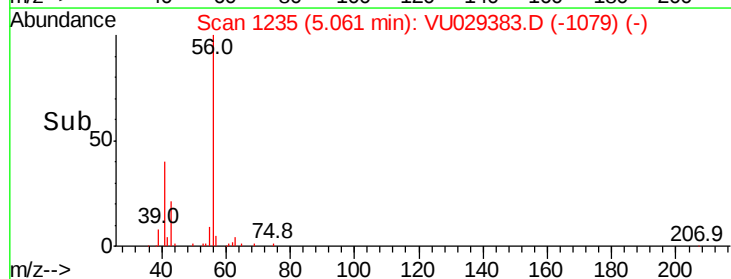
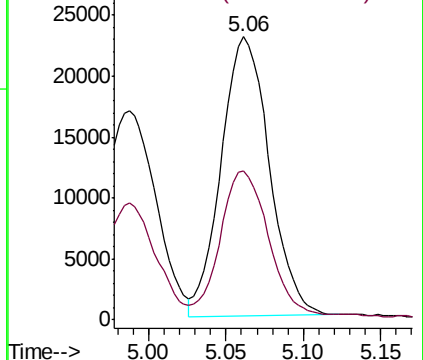
56 100

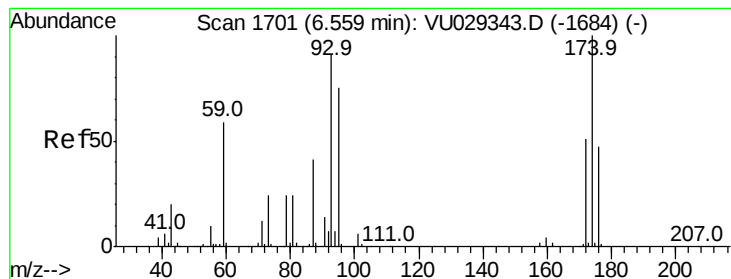
41 50.4 31.3 93.8



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 41.00 (40.70 to 41.70): VU0





#43

Dibromomethane

Concen: 1.848 ug/l

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Instrument :
MSVOA_U
ClientSampleId :

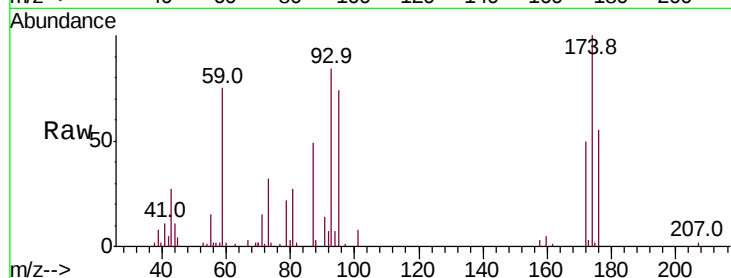
Tot Ion: 93 Resp: 15173

Ion Ratio Lower Upper

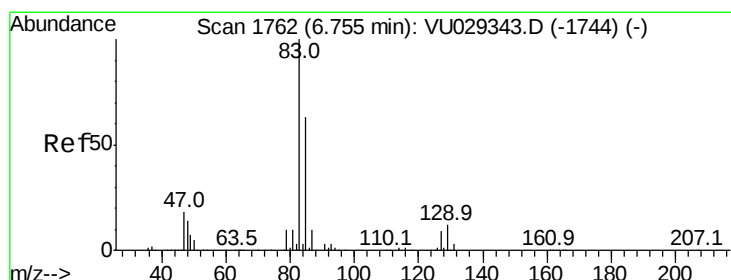
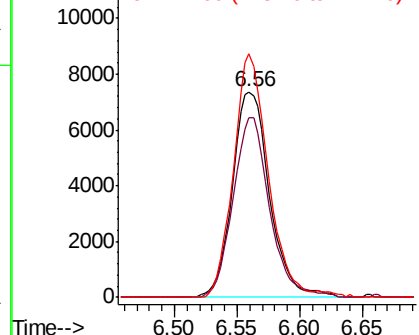
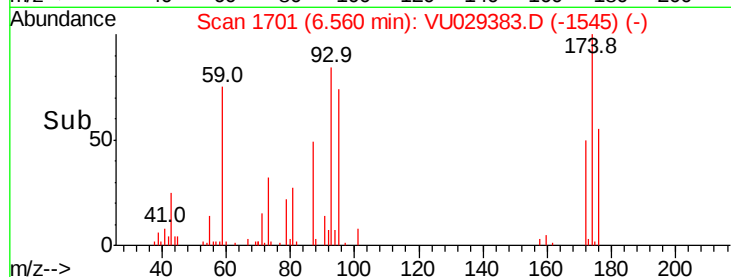
93 100

95 85.9 68.2 102.2

174 109.6 77.6 116.4



Abundance Ion 93.00 (92.70 to 93.70): VU0
Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V



#44

Bromodichloromethane

Concen: 1.849 ug/l

RT: 6.76 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

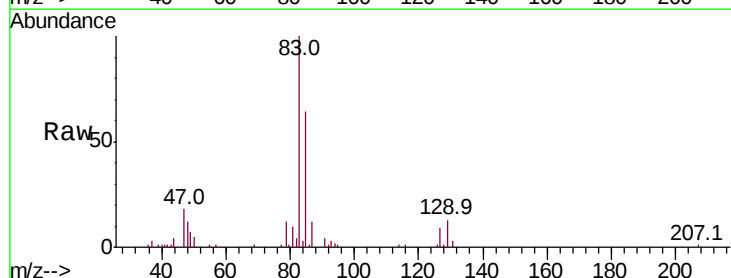
Tgt Ion: 83 Resp: 38682

Ion Ratio Lower Upper

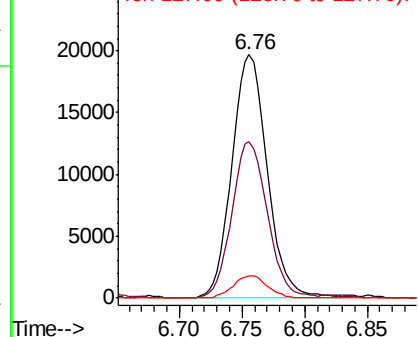
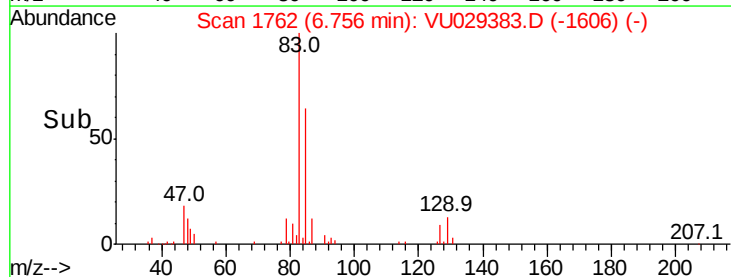
83 100

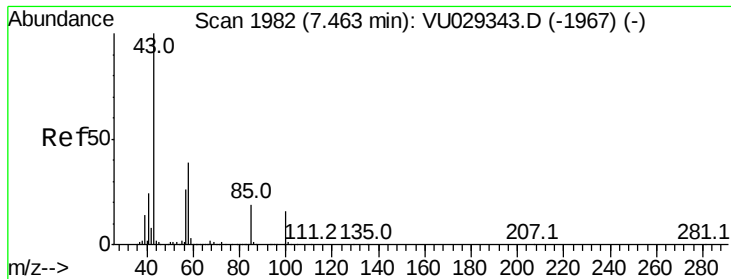
85 64.1 49.2 73.8

127 8.9 7.0 10.6



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 127.00 (126.70 to 127.70): V

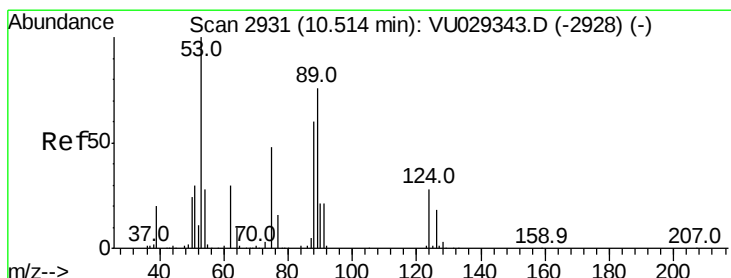
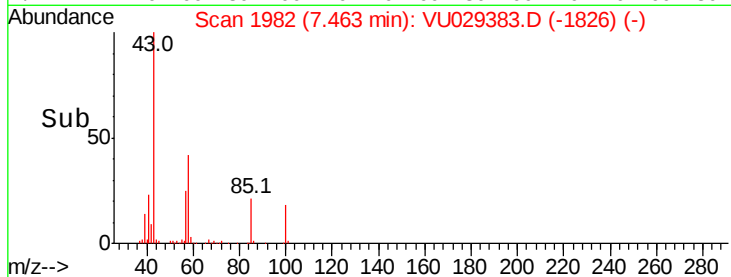
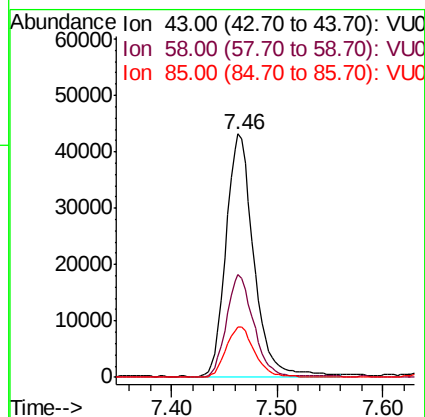
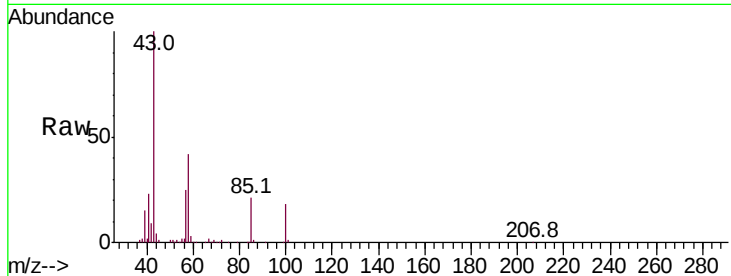




#45
4-Methyl-2-Pentanone
Concen: 8.120 ug/l
RT: 7.46 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

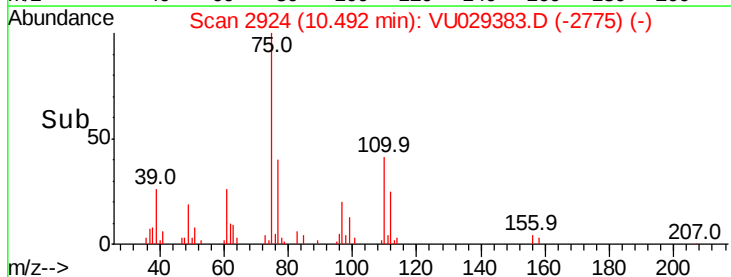
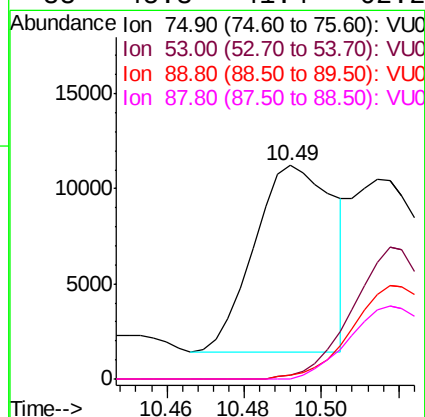
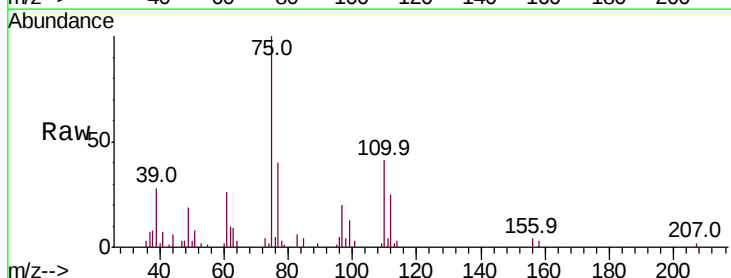
Instrument :
MSVOA_U
ClientSampled :

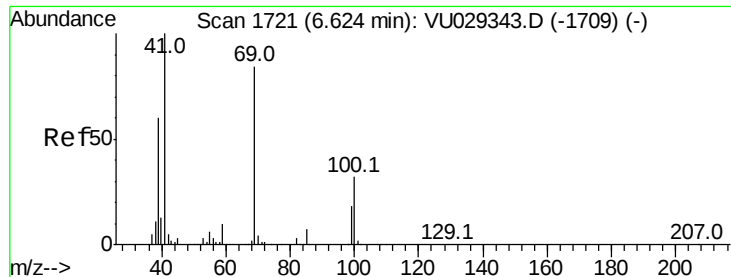
Tot Ion	Ratio	Lower	Upper
43	100		
58	41.9	17.6	52.8
85	21.4	12.3	18.5



#46
t-1,4-Dichloro-2-butene
Concen: 2.992 ug/l
RT: 10.49 min Scan# 2924
Delta R.T. -0.02 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

Tgt Ion	Ratio	Lower	Upper
75	100		
53	76.0	78.2	117.4
89	58.1	44.2	66.4
88	45.3	41.4	62.2

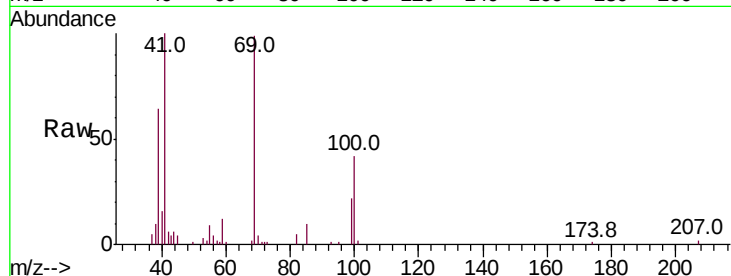




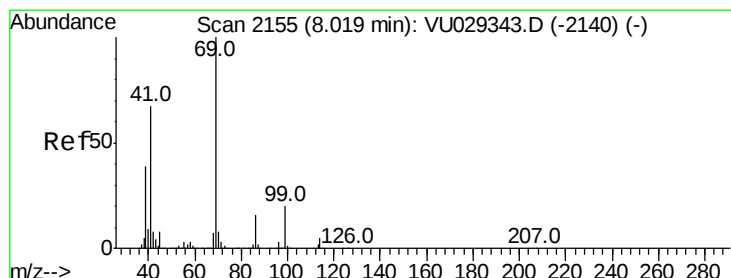
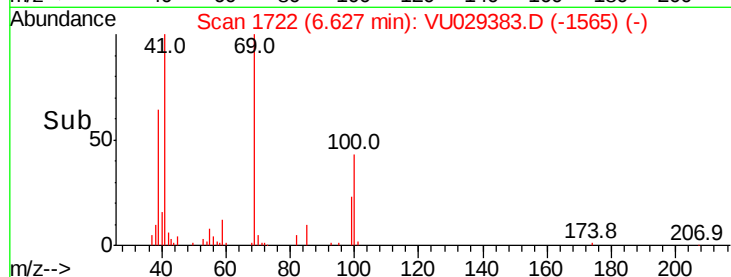
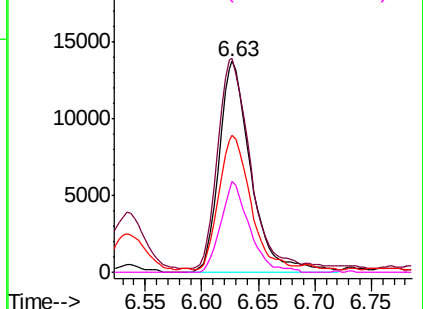
#47
Methyl methacrylate
Concen: 3.718 ug/l
RT: 6.63 min Scan# 1722
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 69 Resp: 26860
Ion Ratio Lower Upper
69 100
41 100.4 0.0 296.2
39 63.3 71.2 106.8#
100 38.6 28.6 42.8

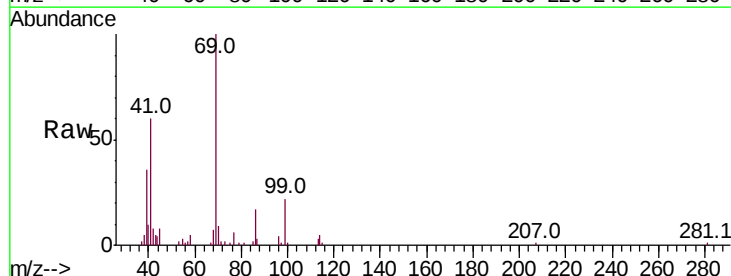


Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

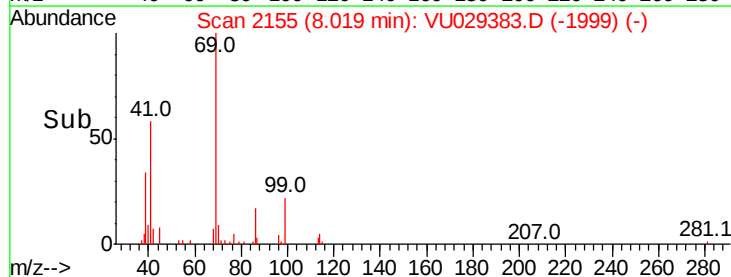
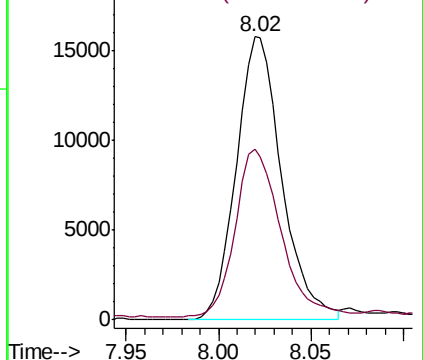


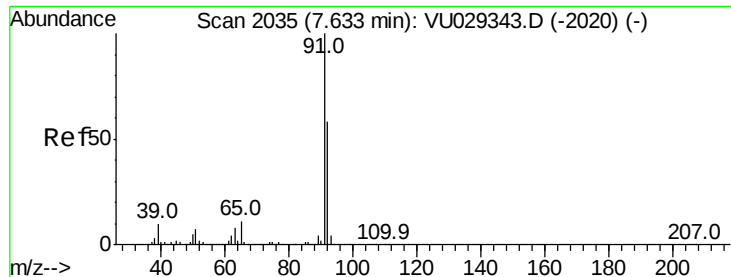
#48
Ethyl methacrylate
Concen: 1.742 ug/l
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

Tgt Ion: 69 Resp: 26996
Ion Ratio Lower Upper
69 100
41 59.8 39.9 119.7



Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0





#49

Toluene

Concen: 1.911 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Instrument :

MSVOA_U

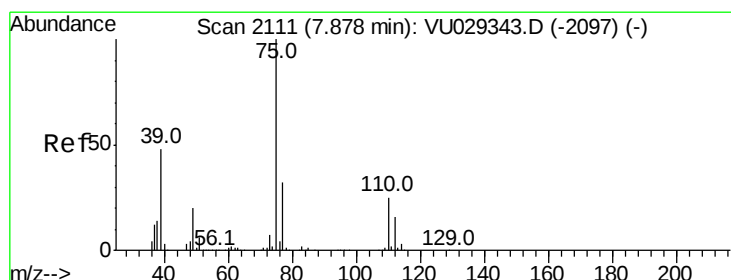
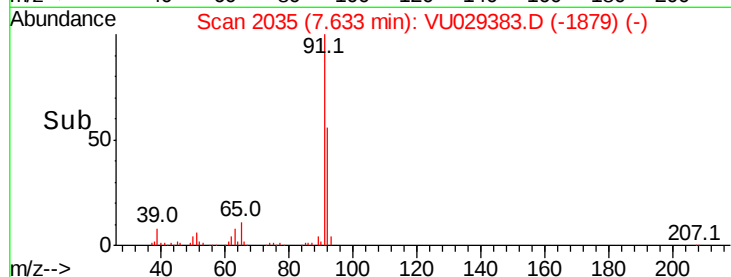
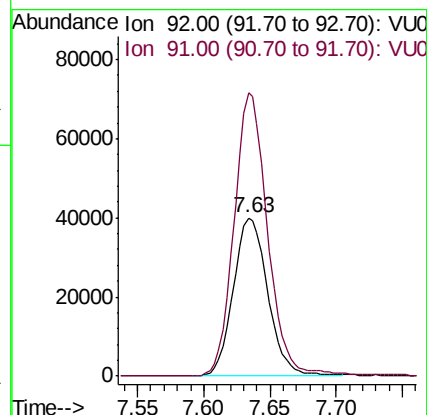
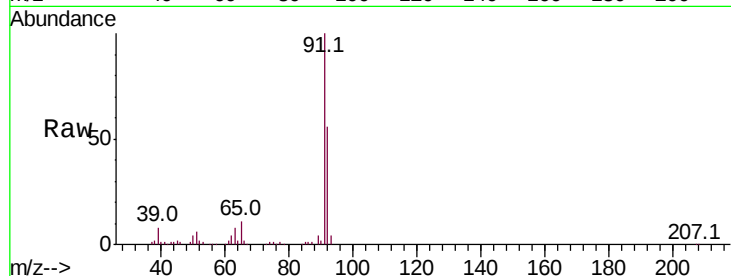
ClientSampleId :

Tot Ion: 92 Resp: 72408

Ion Ratio Lower Upper

92 100

91 174.2 140.7 211.1



#50

t-1,3-Dichloropropene

Concen: 1.767 ug/l

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VU029383.D

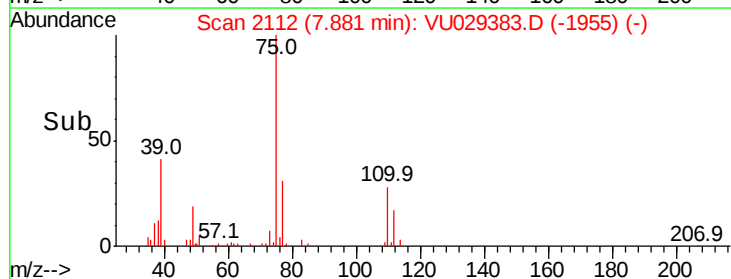
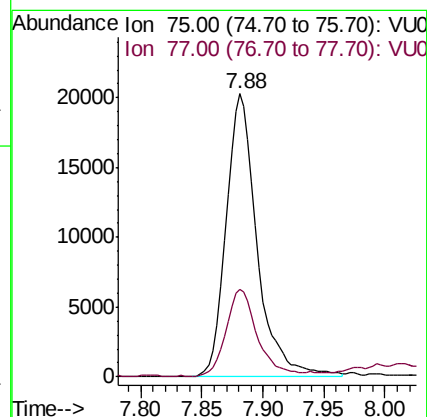
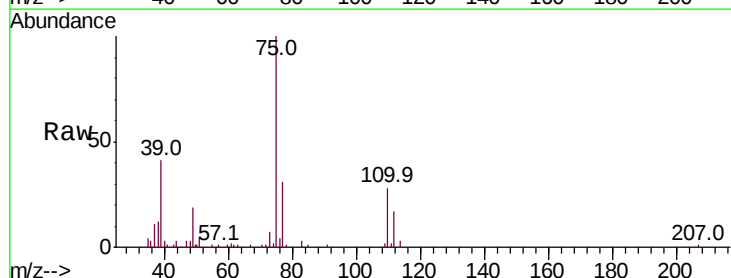
Acq: 08 Feb 2019 17:19

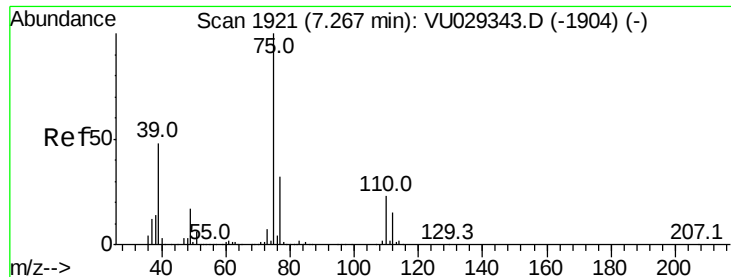
Tgt Ion: 75 Resp: 36230

Ion Ratio Lower Upper

75 100

77 30.9 23.6 35.4



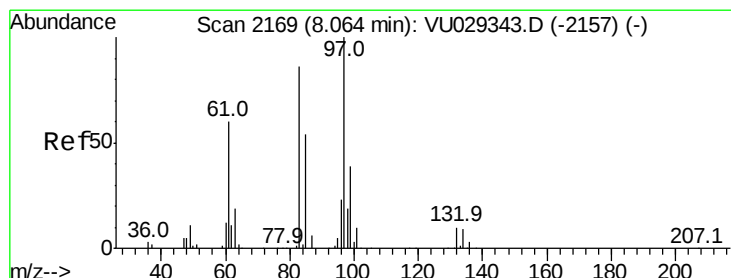
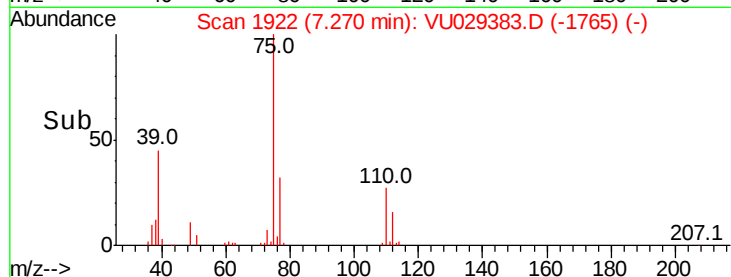
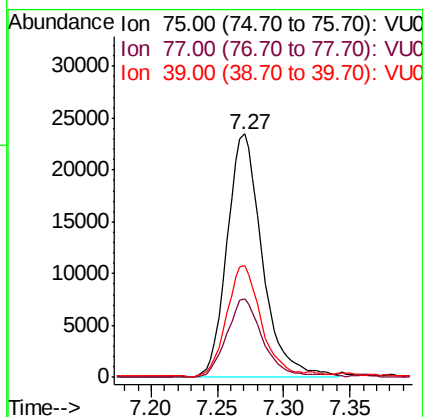
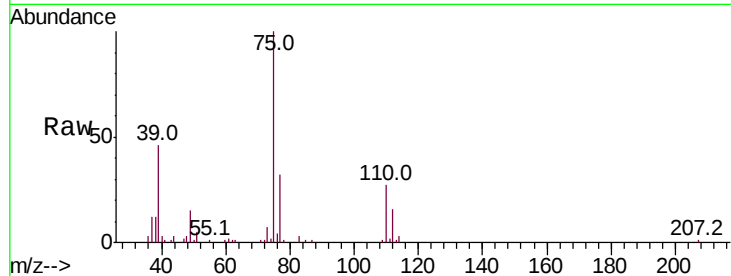


#51

cis-1,3-Dichloropropene
 Concen: 1.781 ug/l
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VU029383.D
 Acq: 08 Feb 2019 17:19

Instrument :
 MSVOA_U
 ClientSampleId :

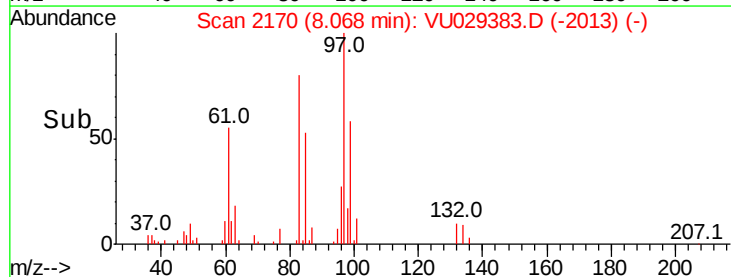
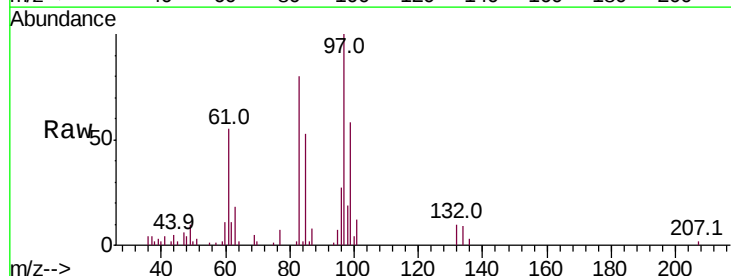
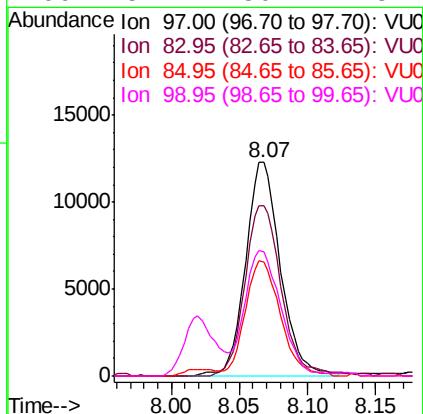
Tot Ion	75	Resp	43394
Ion	Ratio	Lower	Upper
75	100		
77	32.5	24.9	37.3
39	45.7	47.2	70.8#

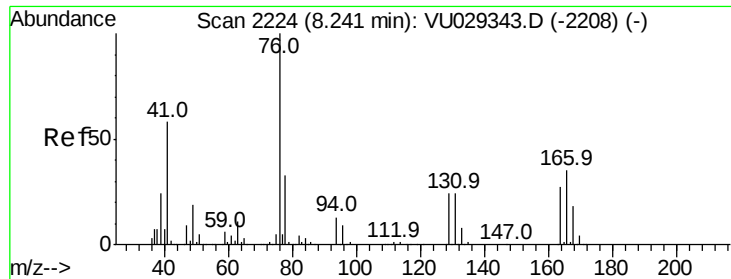


#52

1,1,2-Trichloroethane
 Concen: 2.012 ug/l
 RT: 8.07 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU029383.D
 Acq: 08 Feb 2019 17:19

Tgt Ion	97	Resp	21868
Ion	Ratio	Lower	Upper
97	100		
83	79.8	69.9	104.9
85	53.2	45.8	68.6
99	57.2	50.2	75.2

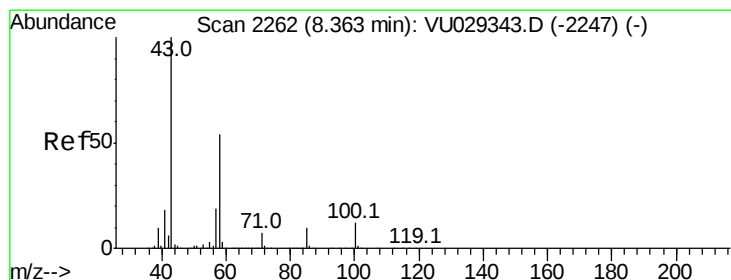
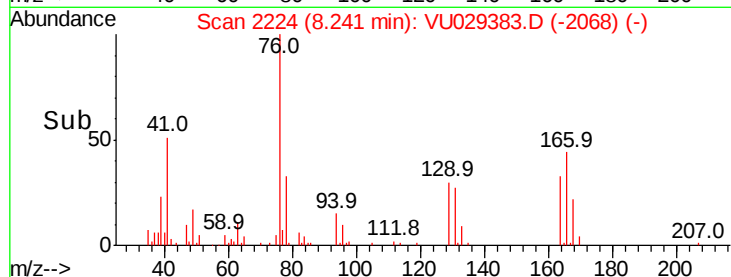
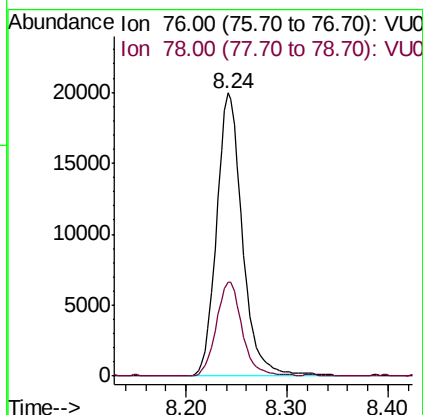
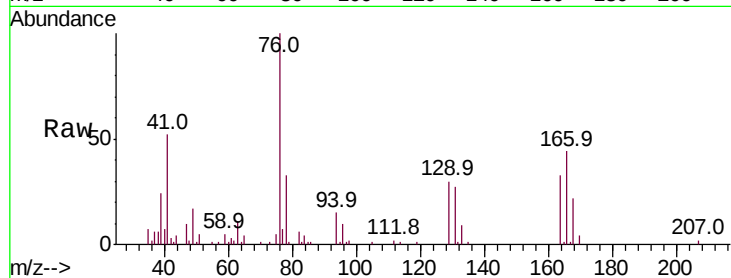




#53
 1,3-Dichloropropane
 Concen: 1.864 ug/l
 RT: 8.24 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VU029383.D
 Acq: 08 Feb 2019 17:19

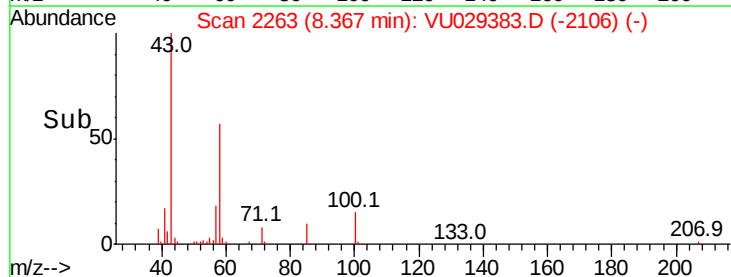
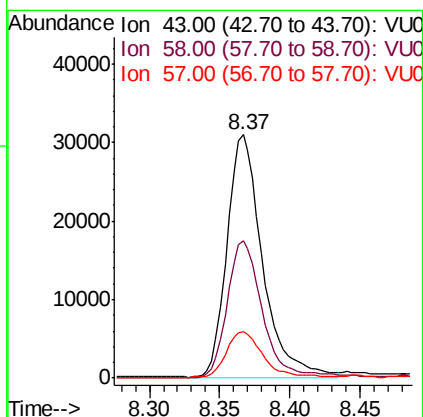
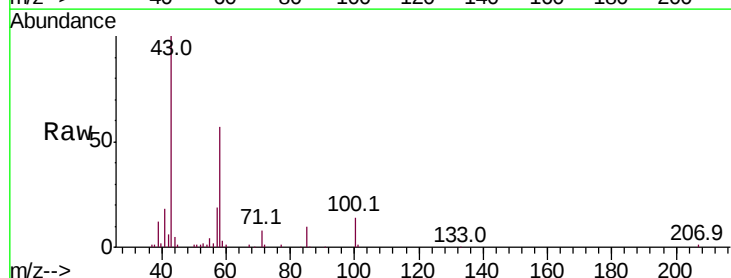
Instrument :
 MSVOA_U
 ClientSampleId :

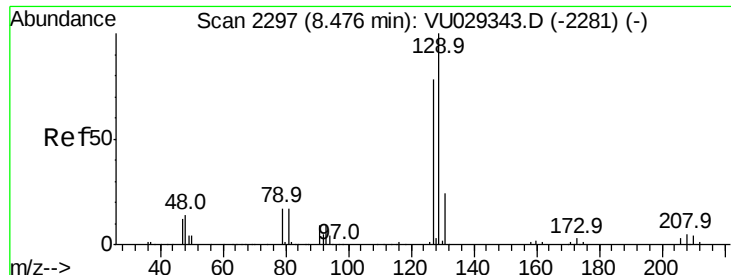
Tot Ion: 76 Resp: 35597
 Ion Ratio Lower Upper
 76 100
 78 33.1 26.3 39.5



#54
 2-Hexanone
 Concen: 8.043 ug/l
 RT: 8.37 min Scan# 2263
 Delta R.T. 0.00 min
 Lab File: VU029383.D
 Acq: 08 Feb 2019 17:19

Tgt Ion: 43 Resp: 54262
 Ion Ratio Lower Upper
 43 100
 58 57.1 26.0 66.0
 57 20.5 0.0 37.7





#55

Dibromochloromethane

Concen: 1.897 ug/l

RT: 8.48 min Scan# 2297

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

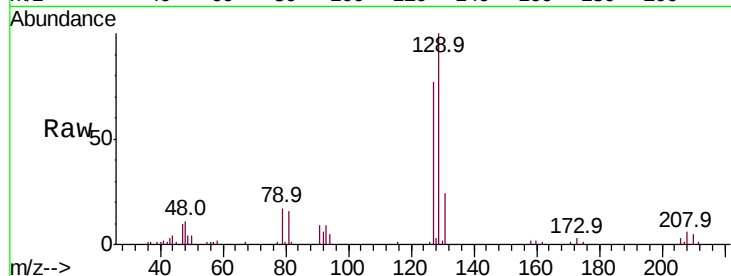
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:129 Resp: 29304

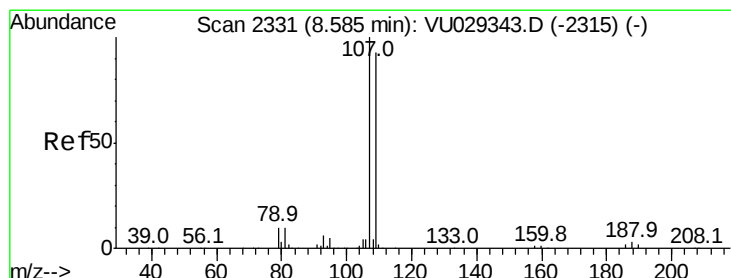
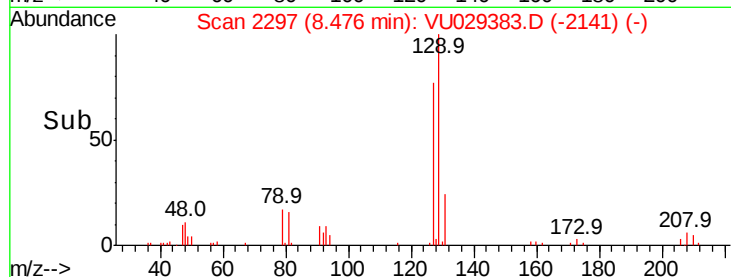
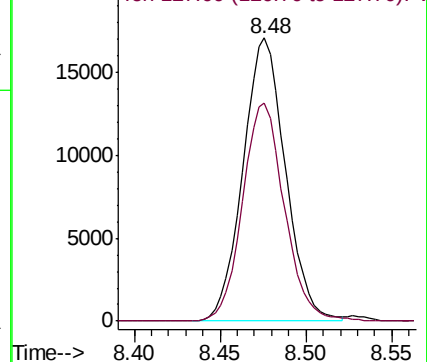
Ion Ratio Lower Upper

129 100

127 76.2 60.5 90.7



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



#56

1,2-Dibromoethane

Concen: 1.913 ug/l

RT: 8.59 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU029383.D

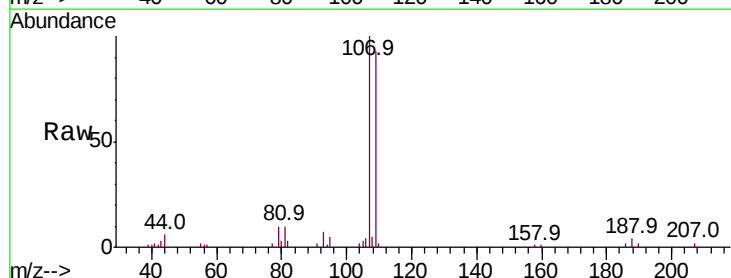
Acq: 08 Feb 2019 17:19

Tgt Ion:107 Resp: 21332

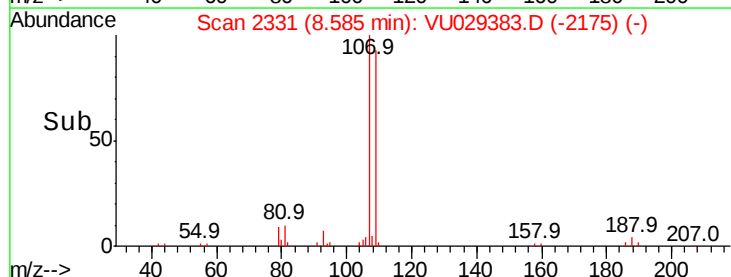
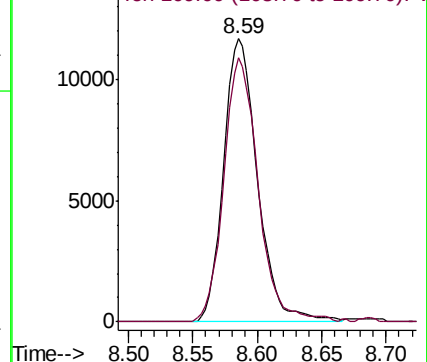
Ion Ratio Lower Upper

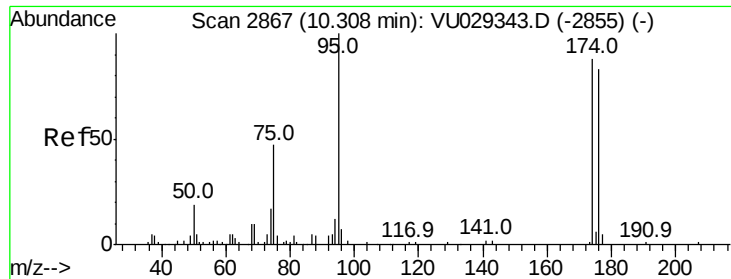
107 100

109 94.7 0.0 189.6



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V

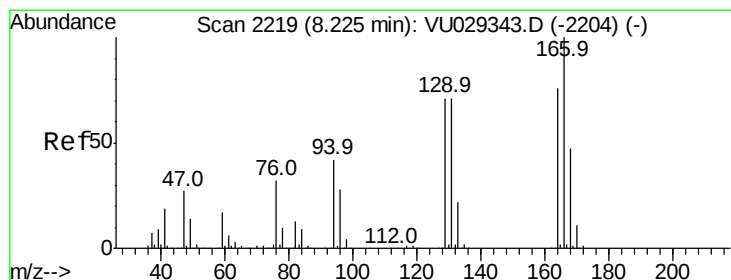
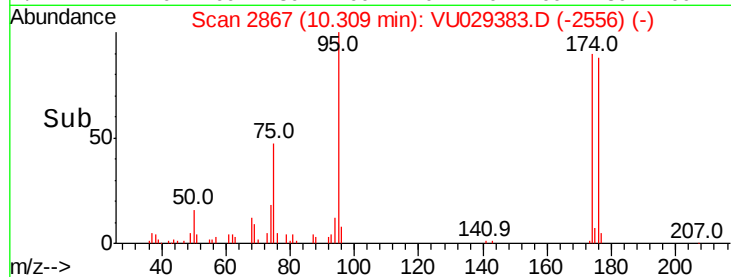
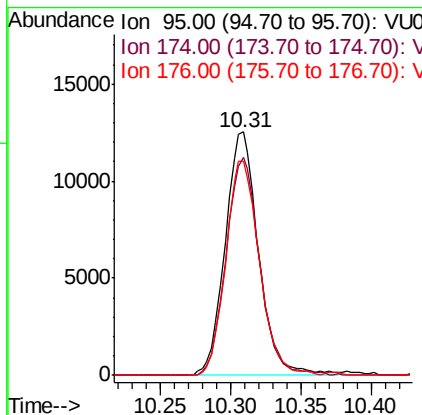
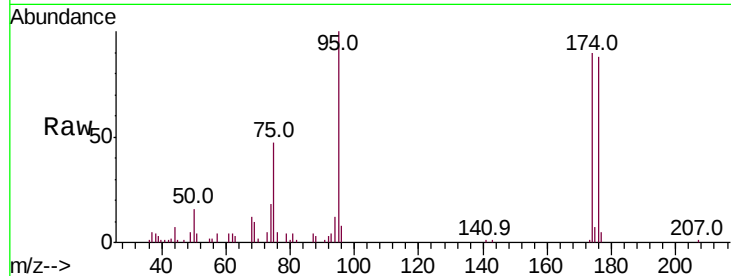




#57
4-Bromofluorobenzene
Concen: 1.913 ug/l
RT: 10.31 min Scan# 2867
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

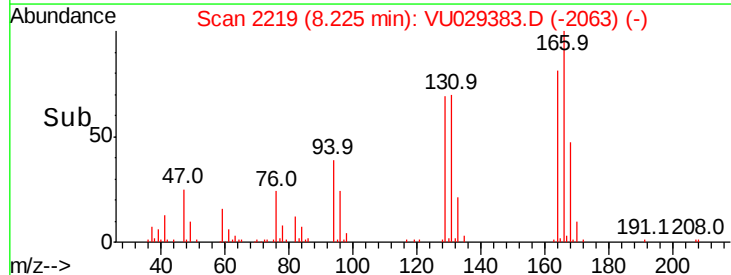
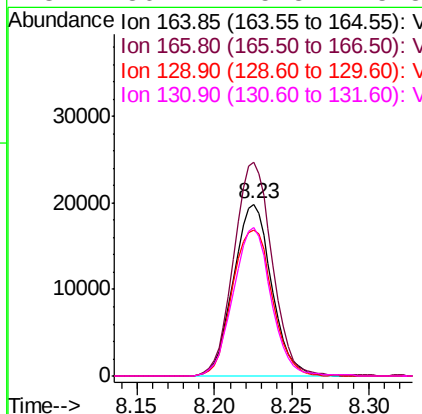
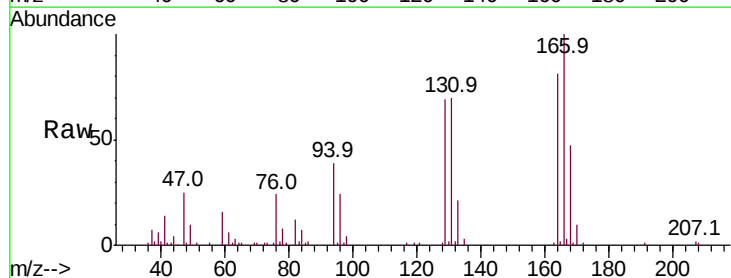
Instrument :
MSVOA_U
ClientSampleId :

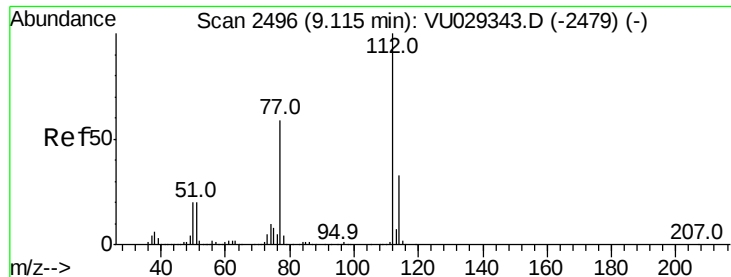
Tot Ion: 95 Resp: 20762
Ion Ratio Lower Upper
95 100
174 89.8 64.2 96.2
176 88.3 62.3 93.5



#58
Tetrachloroethene
Concen: 2.152 ug/l
RT: 8.23 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

Tgt Ion: 164 Resp: 34028
Ion Ratio Lower Upper
164 100
166 124.2 106.6 159.8
129 85.2 79.9 119.9
131 86.4 75.8 113.8





#59

Chlorobenzene

Concen: 1.981 ug/l

RT: 9.12 min Scan# 2497

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Instrument :

MSVOA_U

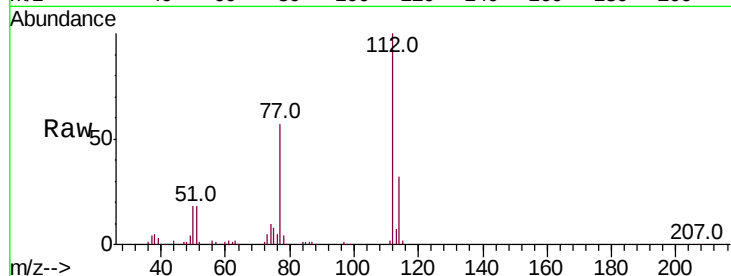
ClientSampled :

Tot Ion:112 Resp: 84591

Ion Ratio Lower Upper

112 100

114 32.5 26.2 39.4



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

9.12

50000

40000

30000

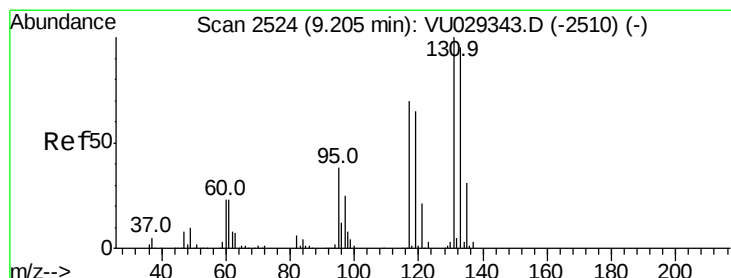
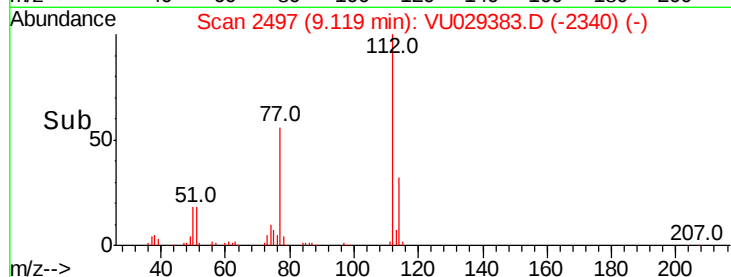
20000

10000

0

9.05 9.10 9.15 9.20

Time-->



#60

1,1,1,2-Tetrachloroethane

Concen: 1.978 ug/l

RT: 9.21 min Scan# 2524

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

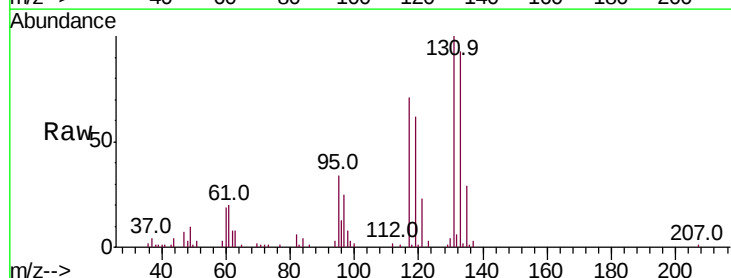
Tgt Ion:131 Resp: 31206

Ion Ratio Lower Upper

131 100

133 96.4 77.3 115.9

119 64.8 48.9 73.3



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

9.21

25000

20000

15000

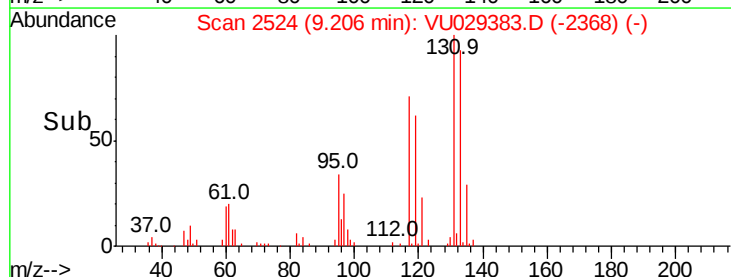
10000

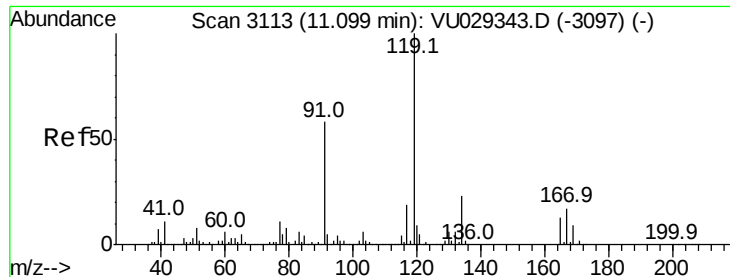
5000

0

9.15 9.20 9.25 9.30

Time-->

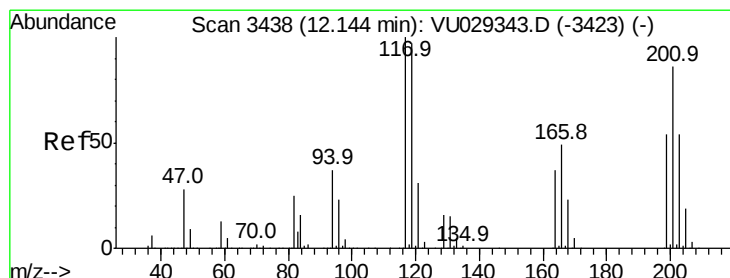
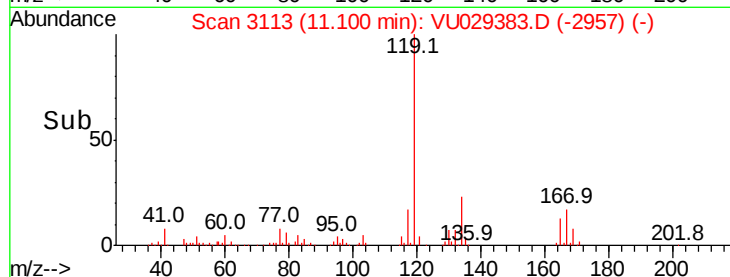
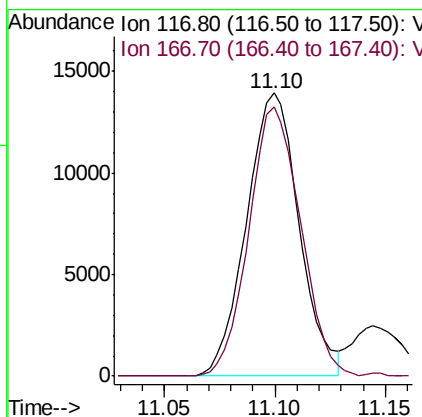
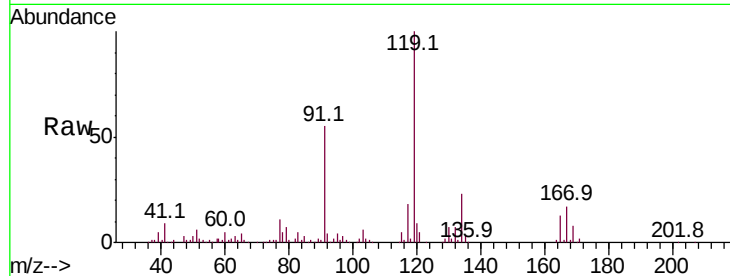




#61
Pentachloroethane
Concen: 1.892 ug/l
RT: 11.10 min Scan# 3113
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

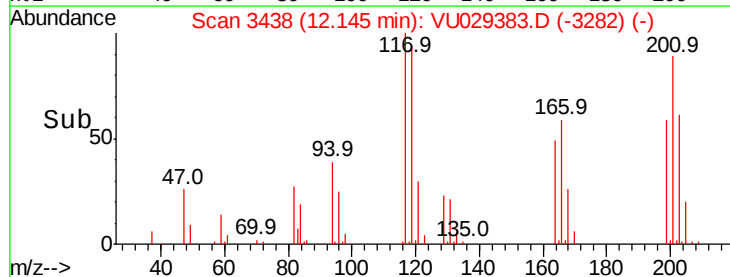
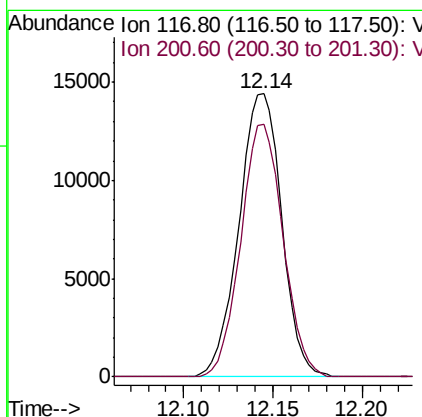
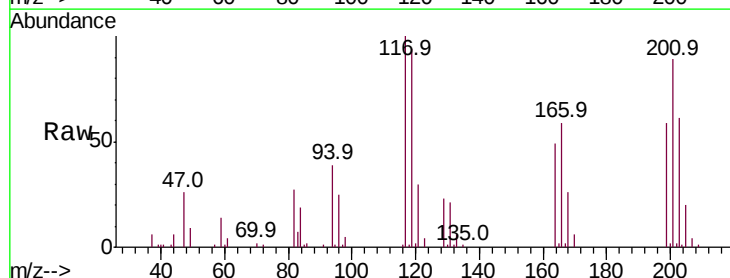
Instrument :
MSVOA_U
ClientSampleId :

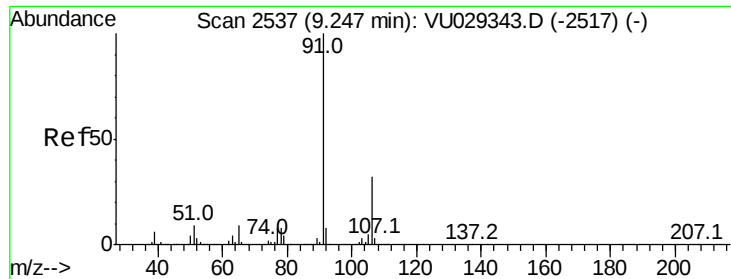
Tot Ion:117 Resp: 23133
Ion Ratio Lower Upper
117 100
167 93.4 65.9 98.9



#62
Hexachloroethane
Concen: 1.806 ug/l
RT: 12.14 min Scan# 3438
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

Tgt Ion:117 Resp: 24097
Ion Ratio Lower Upper
117 100
201 88.1 68.2 102.2

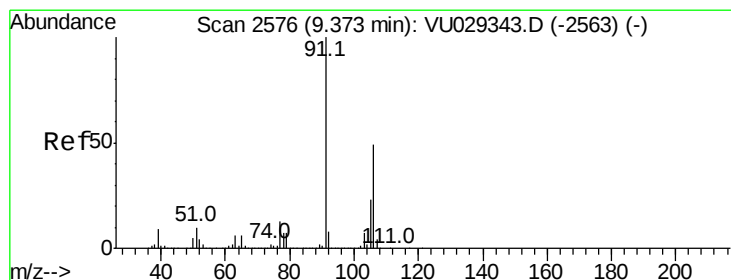
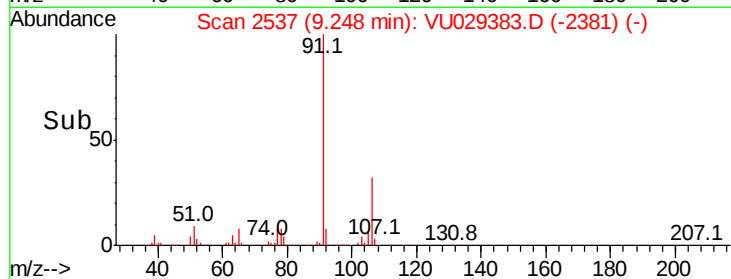
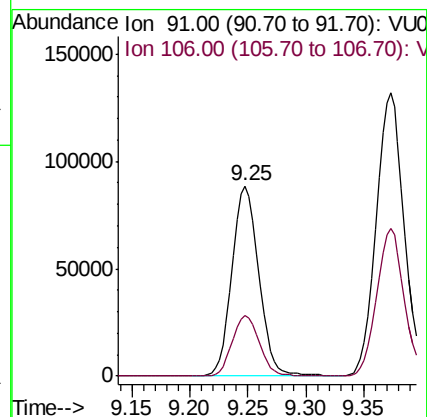
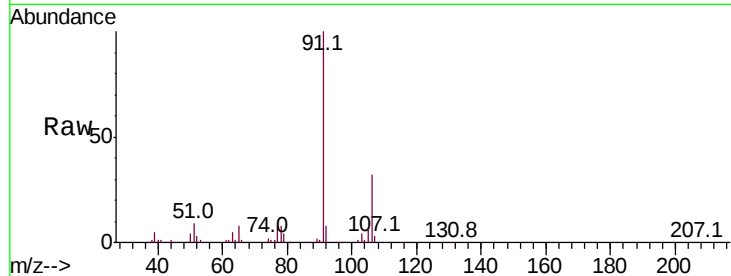




#63
Ethyl Benzene
Concen: 1.910 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

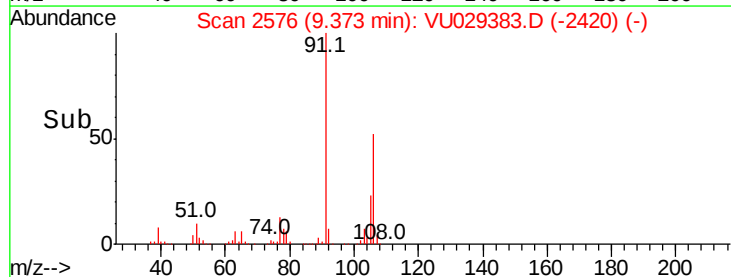
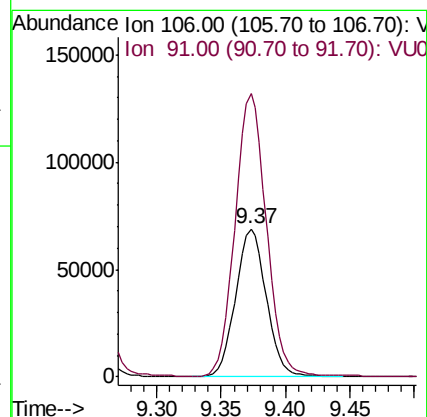
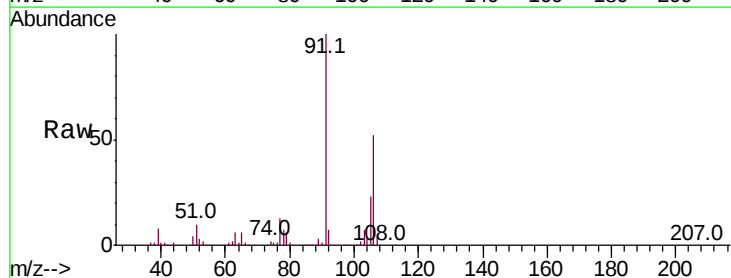
Instrument :
MSVOA_U
ClientSampled :

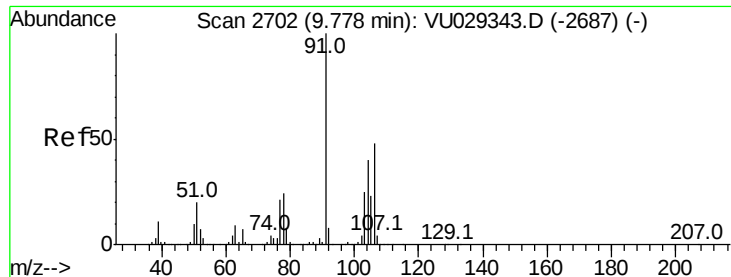
Tot Ion: 91 Resp: 141636
Ion Ratio Lower Upper
91 100
106 31.8 23.8 35.6



#64
m/p-Xylenes
Concen: 3.938 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

Tgt Ion: 106 Resp: 113475
Ion Ratio Lower Upper
106 100
91 195.8 174.6 261.8





#65

o-Xylene

Concen: 1.975 ug/l

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

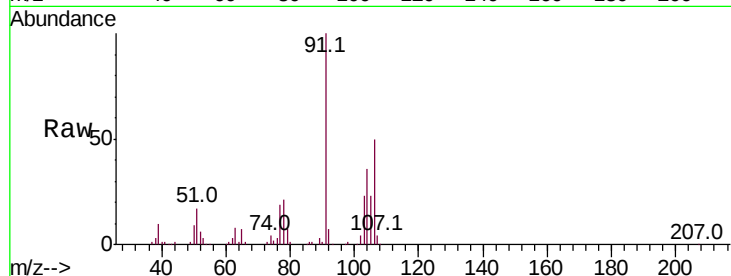
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 55859

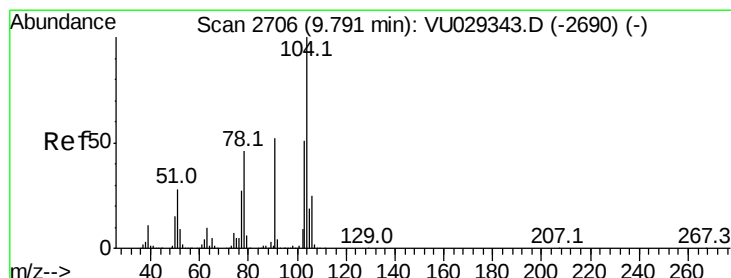
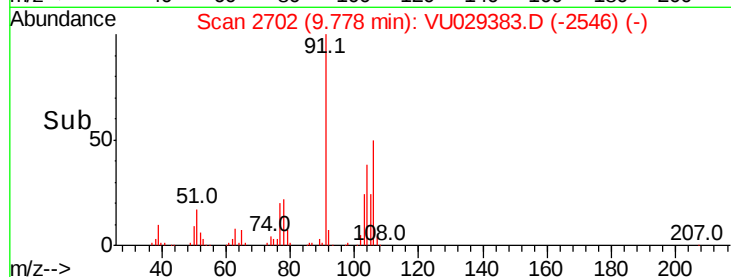
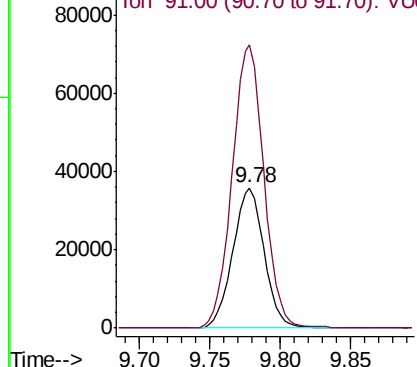
Ion Ratio Lower Upper

106 100

91 203.4 114.5 343.4



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



#66

Styrene

Concen: 1.937 ug/l

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

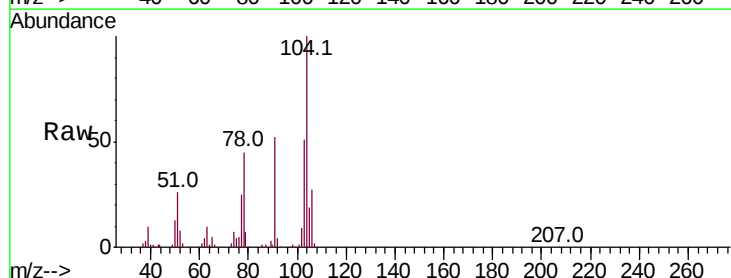
Tgt Ion:104 Resp: 91340

Ion Ratio Lower Upper

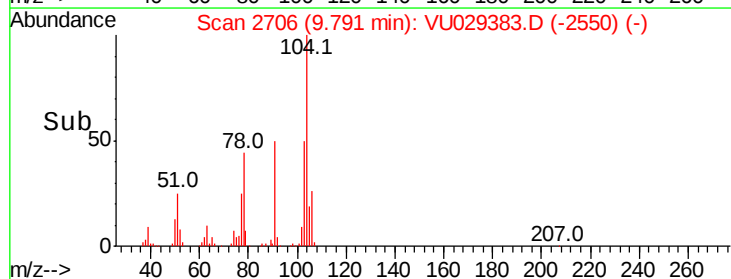
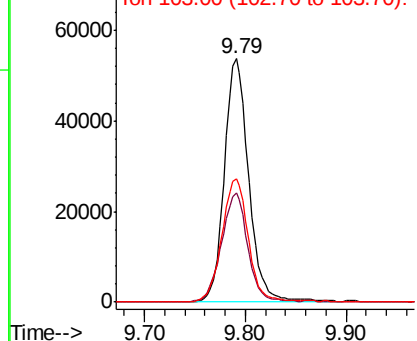
104 100

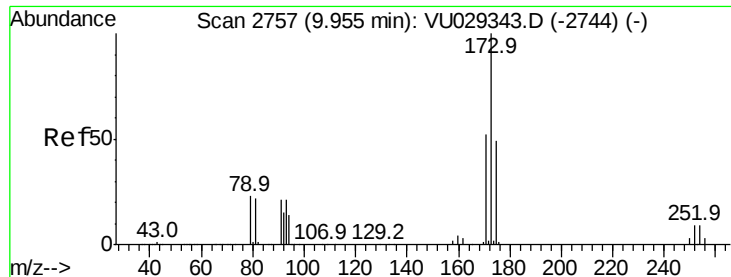
78 47.9 46.5 69.7

103 54.2 44.7 67.1



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





#67

Bromoform

Concen: 1.891 ug/l

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Instrument :
MSVOA_U
ClientSampled :

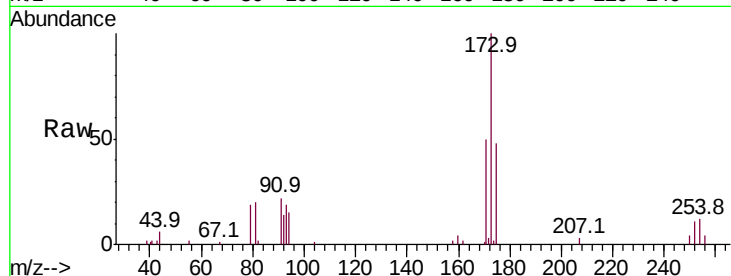
Tot Ion:173 Resp: 18179

Ion Ratio Lower Upper

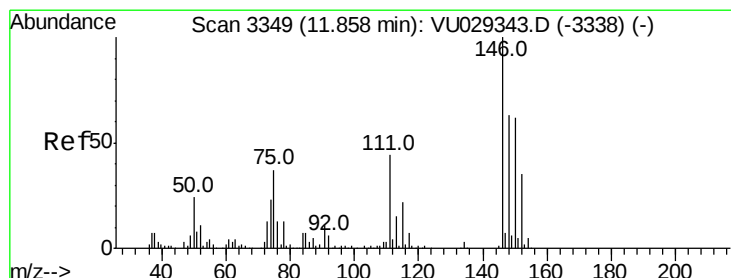
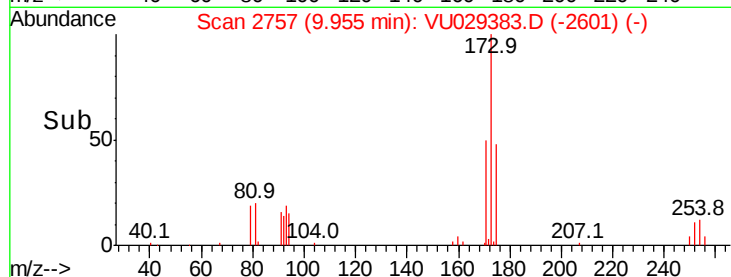
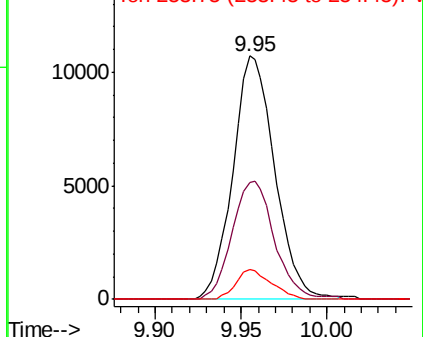
173 100

175 49.2 38.9 58.3

254 10.3 7.4 11.2



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 1.891 ug/l

RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

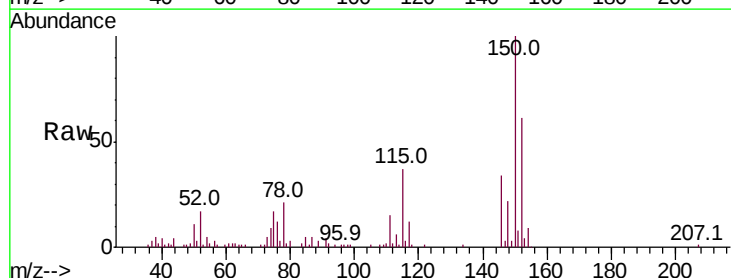
Tgt Ion:152 Resp: 22644

Ion Ratio Lower Upper

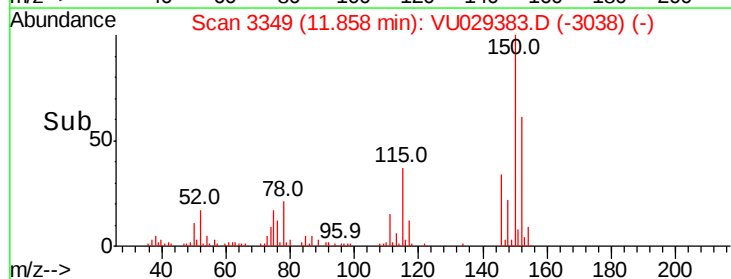
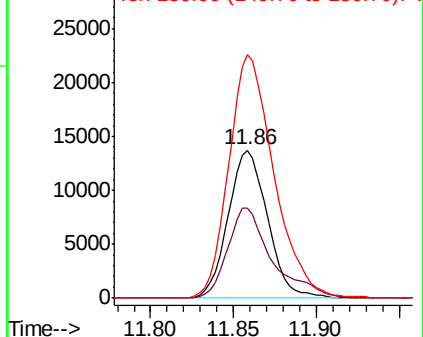
152 100

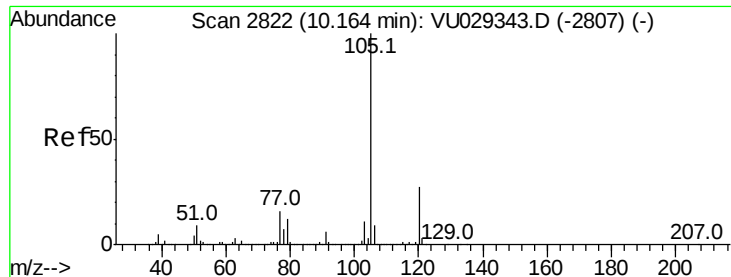
115 68.6 0.0 133.4

150 188.9 0.0 670.8



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 1.942 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Instrument :

MSVOA_U

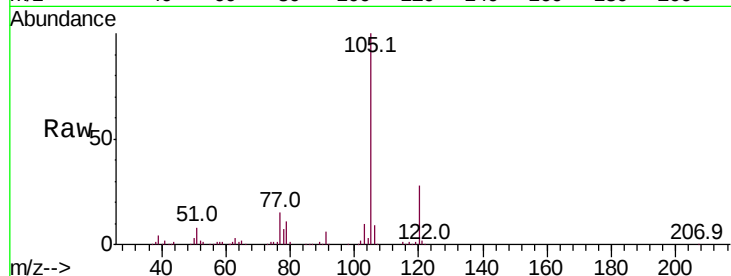
ClientSampleId :

Tot Ion:105 Resp: 146748

Ion Ratio Lower Upper

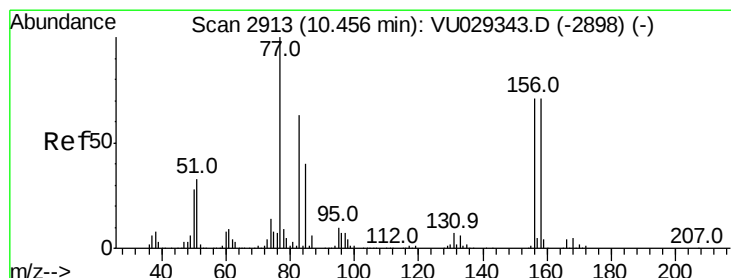
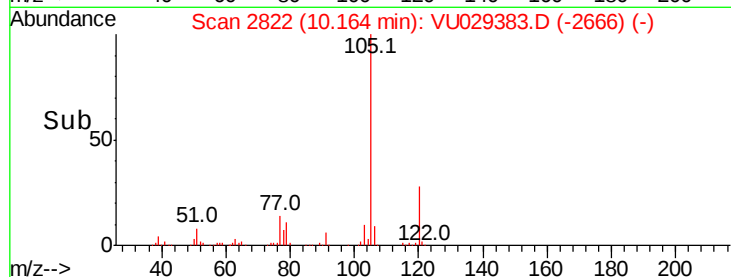
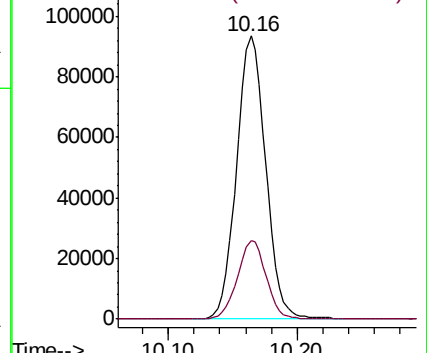
105 100

120 27.3 12.6 37.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#70

1,1,2,2-Tetrachloroethane

Concen: 1.893 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

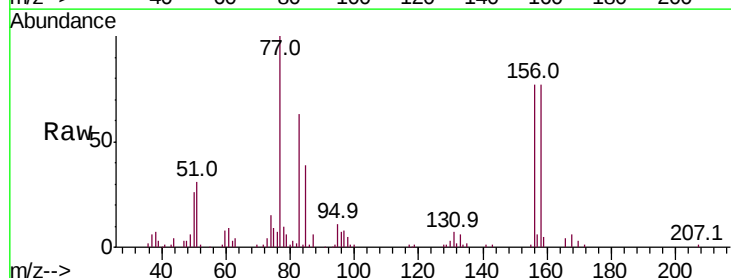
Tgt Ion: 83 Resp: 26372

Ion Ratio Lower Upper

83 100

131 11.8 8.1 12.1

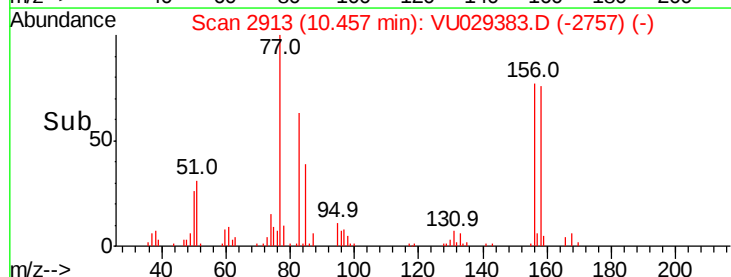
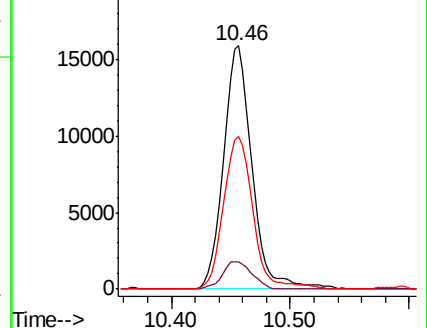
85 64.9 50.3 75.5

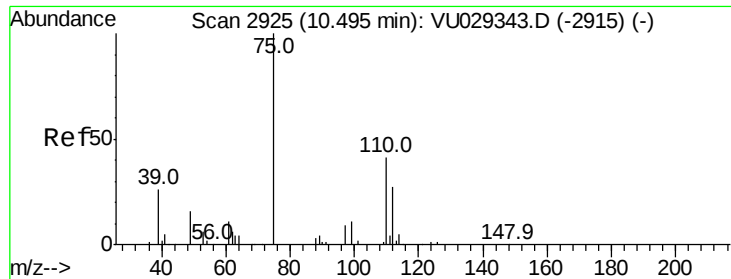


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

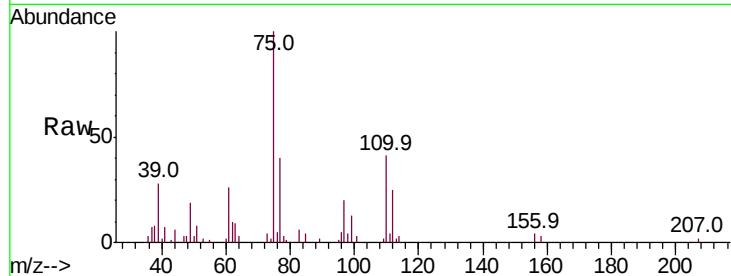




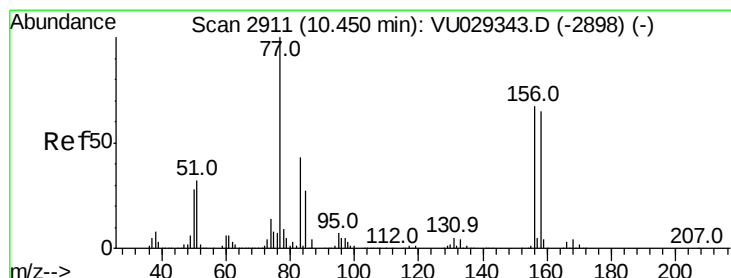
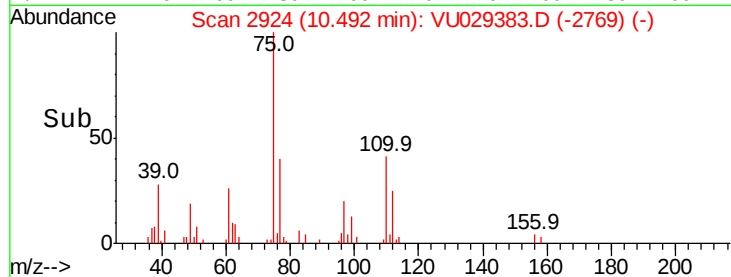
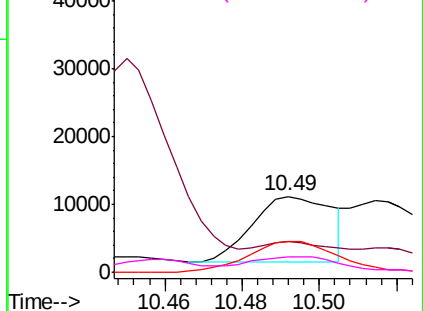
#71
 1,2,3-Trichloropropane
 Concen: 1.467 ug/l
 RT: 10.49 min Scan# 2924
 Delta R.T. -0.00 min
 Lab File: VU029383.D
 Acq: 08 Feb 2019 17:19

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	75	Resp:	14031
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	53.5	0.0	63.6
97	26.2	0.0	31.4

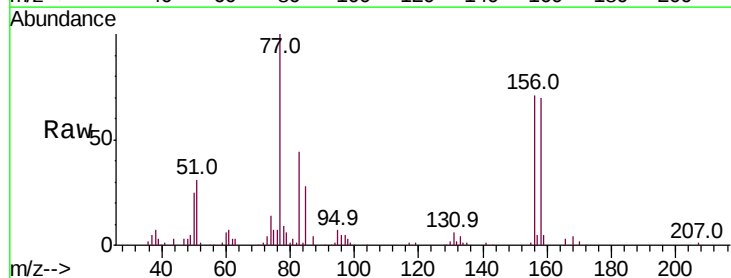


Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0
 Ion 110.00 (109.70 to 110.70): V
 Ion 97.00 (96.70 to 97.70): VU0

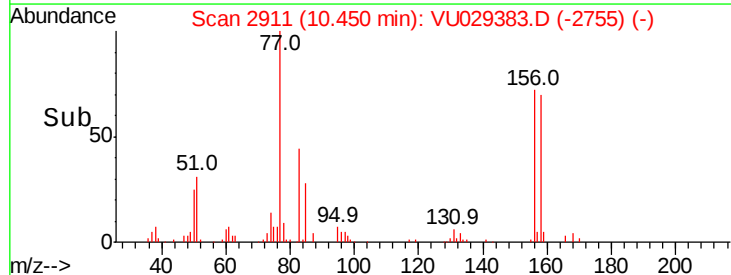
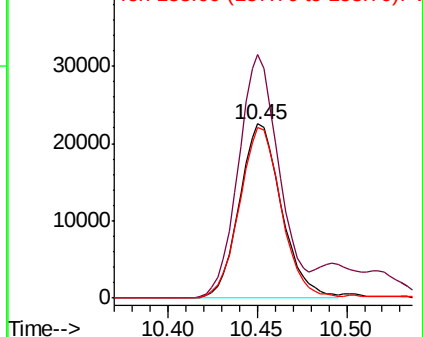


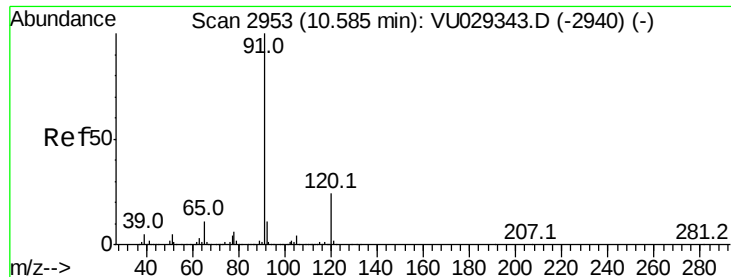
#72
 Bromobenzene
 Concen: 2.026 ug/l
 RT: 10.45 min Scan# 2911
 Delta R.T. 0.00 min
 Lab File: VU029383.D
 Acq: 08 Feb 2019 17:19

Tgt Ion:	156	Resp:	37103
Ion	Ratio	Lower	Upper
156	100		
77	135.3	0.0	343.8
158	97.0	0.0	195.0



Abundance Ion 156.00 (155.70 to 156.70): V
 Ion 77.00 (76.70 to 77.70): VU0
 Ion 158.00 (157.70 to 158.70): V





#73

n-propylbenzene

Concen: 2.037 ug/l

RT: 10.59 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Instrument :

MSVOA_U

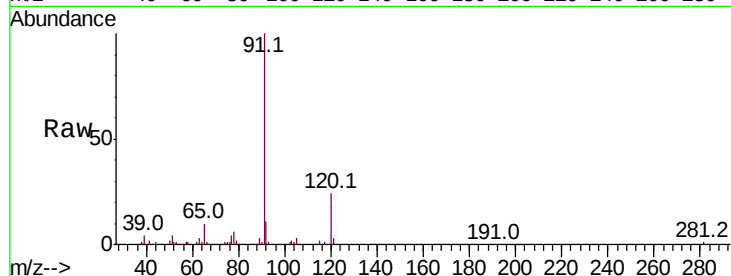
ClientSampleId :

Tot Ion:120 Resp: 42871

Ion Ratio Lower Upper

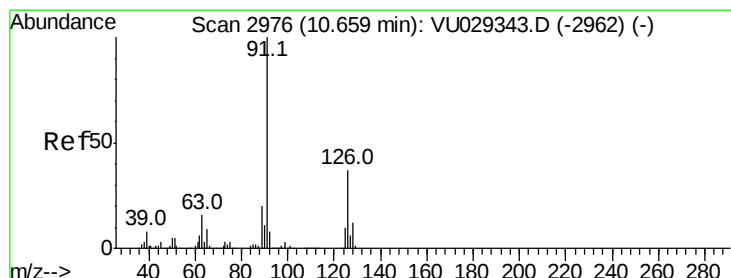
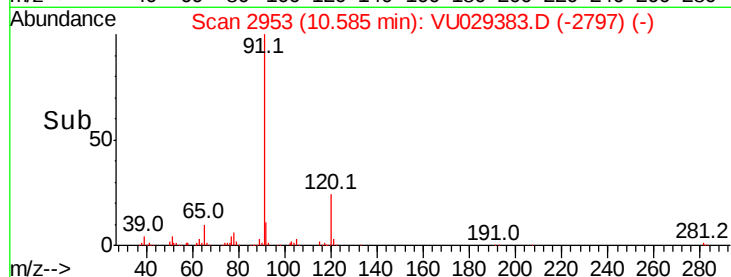
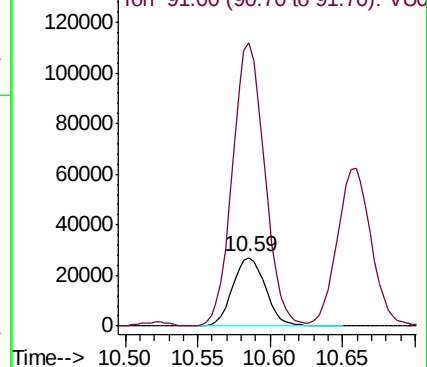
120 100

91 401.3 370.0 555.0



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 2.052 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU029383.D

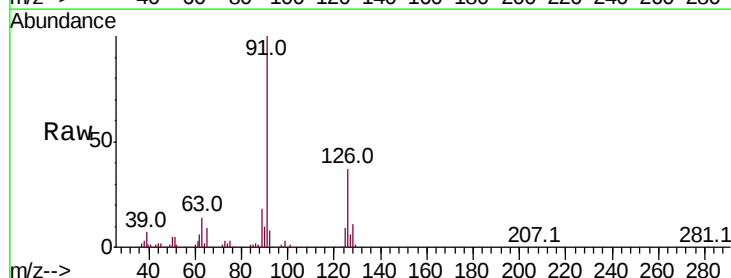
Acq: 08 Feb 2019 17:19

Tgt Ion:126 Resp: 36768

Ion Ratio Lower Upper

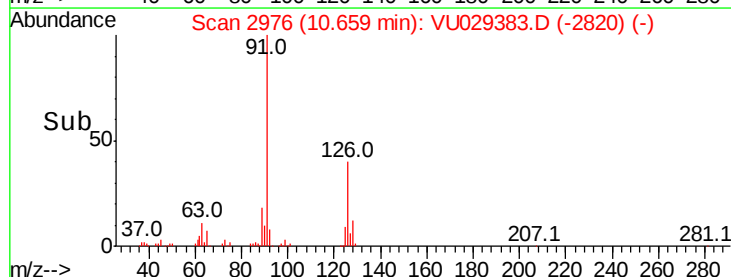
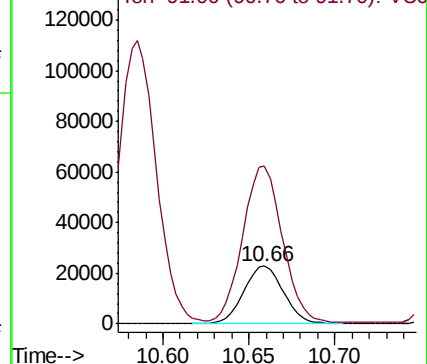
126 100

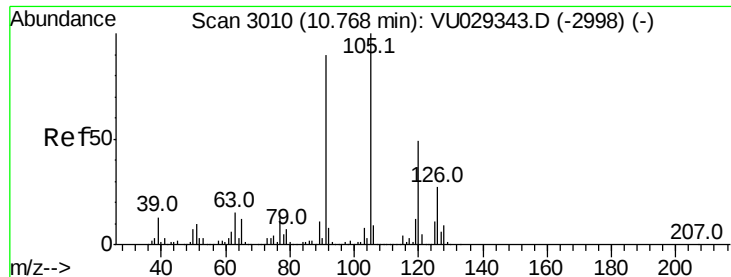
91 275.3 0.0 643.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 1.902 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Instrument :

MSVOA_U

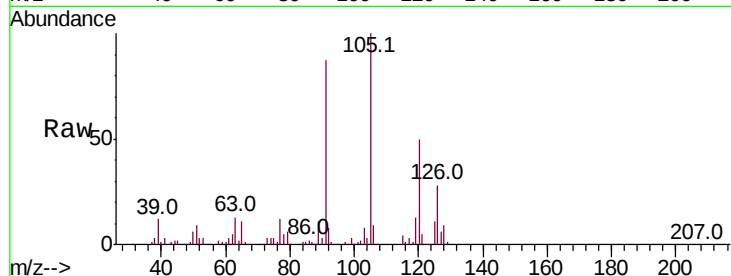
ClientSampleId :

Tot Ion:105 Resp: 123909

Ion Ratio Lower Upper

105 100

120 50.1 37.3 55.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

80000

60000

40000

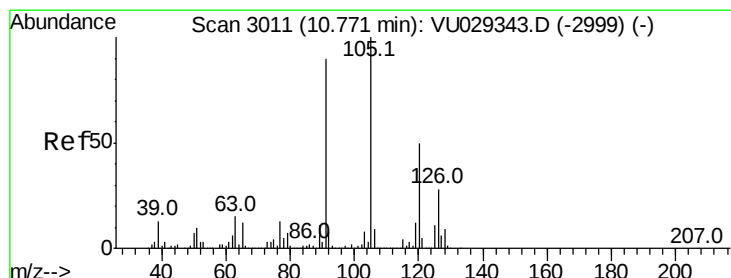
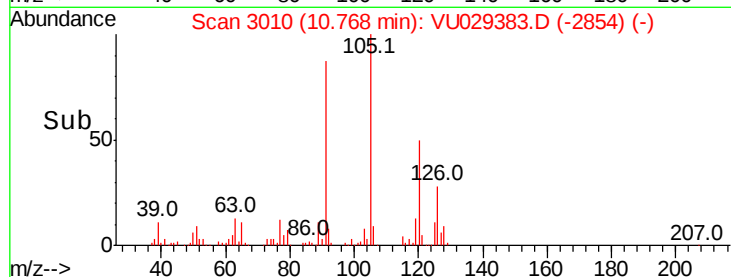
20000

0

10.77

10.70 10.80

Time-->



#76

4-Chlorotoluene

Concen: 2.046 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU029383.D

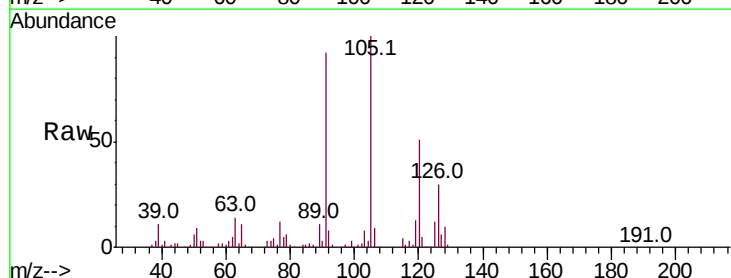
Acq: 08 Feb 2019 17:19

Tgt Ion:126 Resp: 38061

Ion Ratio Lower Upper

126 100

91 298.7 0.0 727.4



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

80000

60000

40000

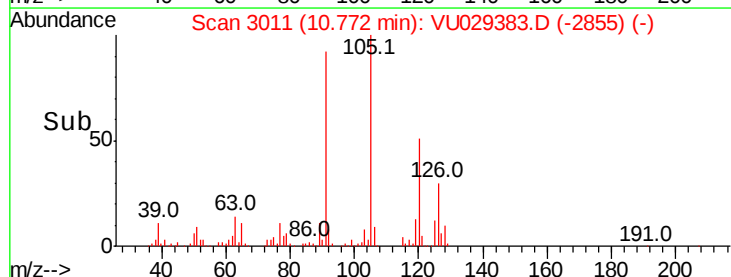
20000

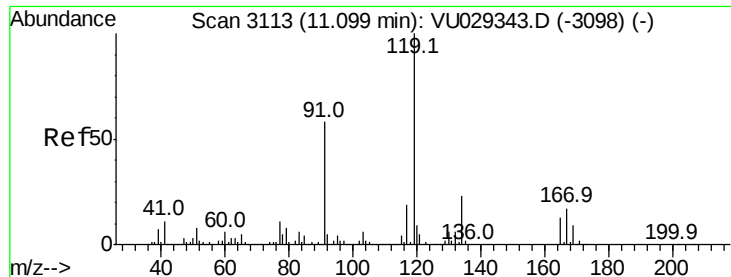
0

10.77

10.70 10.80

Time-->

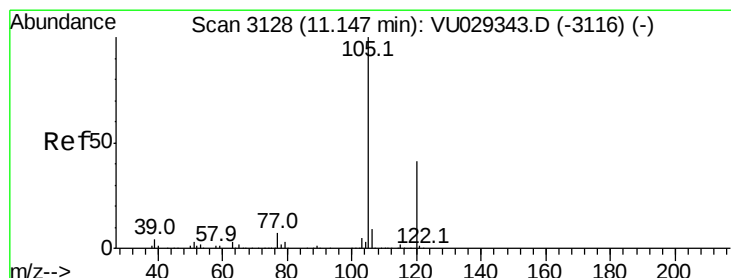
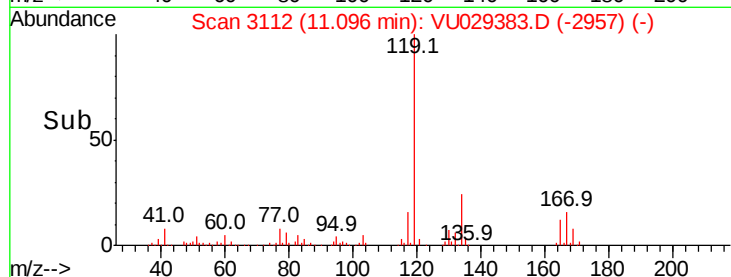
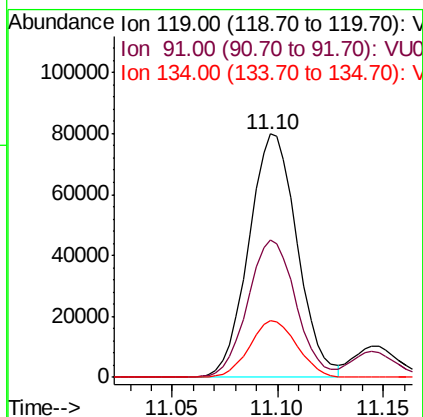
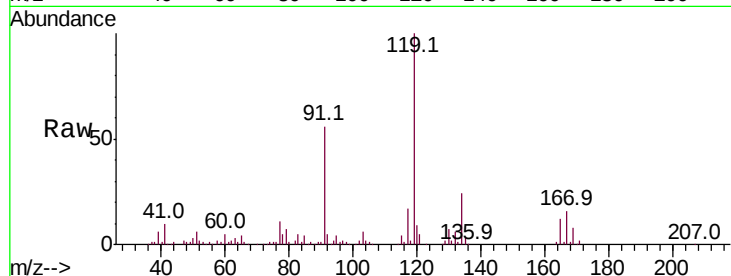




#77
tert-Butylbenzene
Concen: 1.984 ug/l
RT: 11.10 min Scan# 3112
Delta R.T. -0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

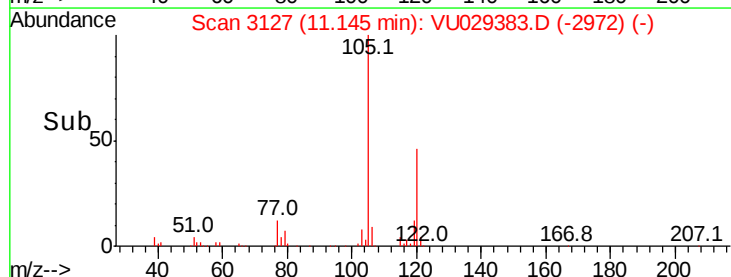
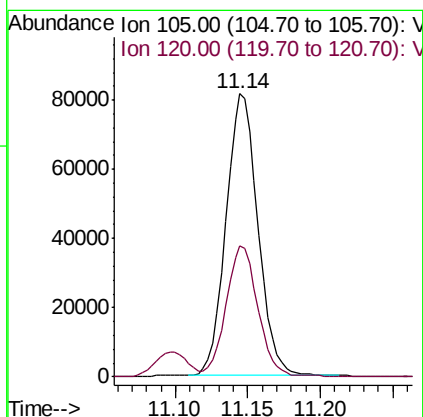
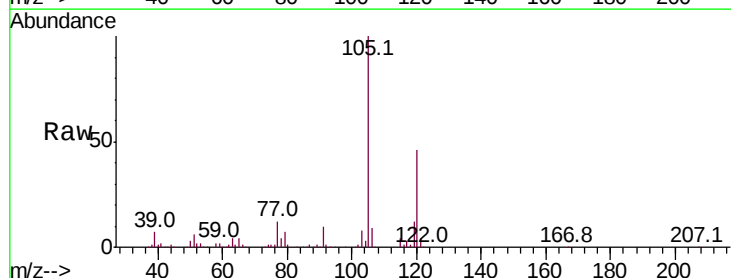
Instrument :
MSVOA_U
ClientSampleId :

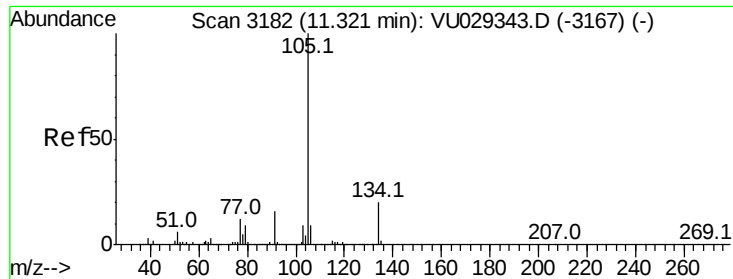
Tot Ion:119 Resp: 127739
Ion Ratio Lower Upper
119 100
91 55.9 32.2 96.6
134 22.8 17.6 26.4



#78
1,2,4-Trimethylbenzene
Concen: 1.884 ug/l
RT: 11.14 min Scan# 3127
Delta R.T. -0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

Tgt Ion:105 Resp: 124281
Ion Ratio Lower Upper
105 100
120 46.7 21.4 64.3

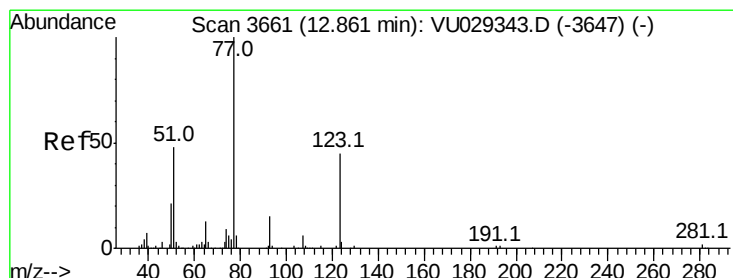
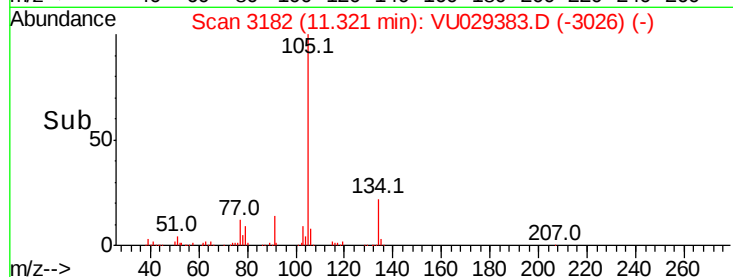
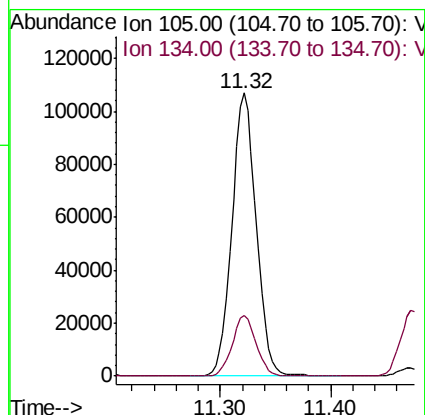
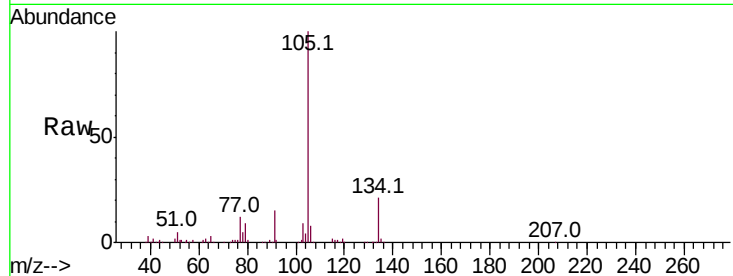




#79
 sec-Butylbenzene
 Concen: 1.939 ug/l
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VU029383.D
 Acq: 08 Feb 2019 17:19

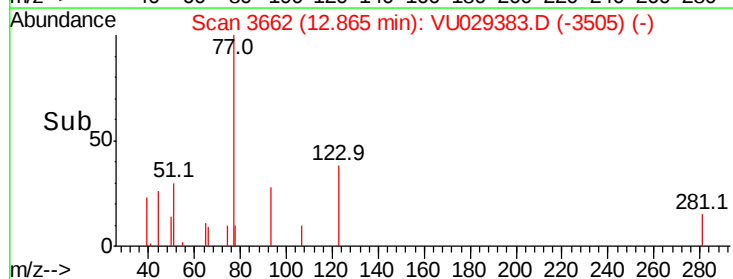
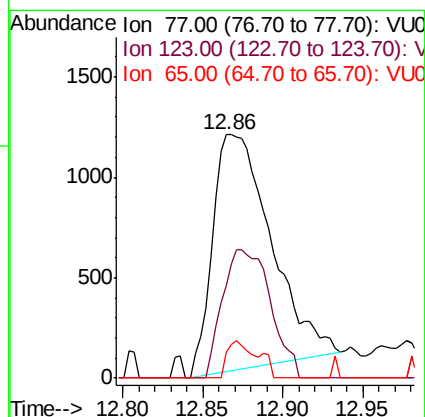
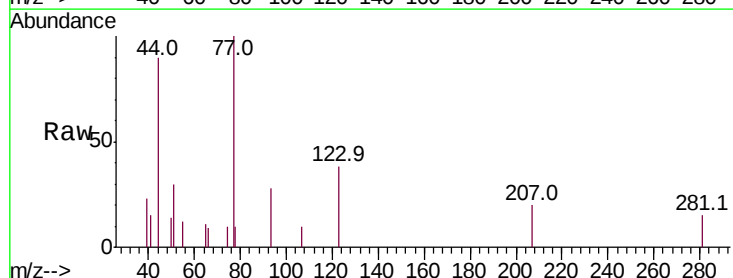
Instrument :
 MSVOA_U
 ClientSampled :

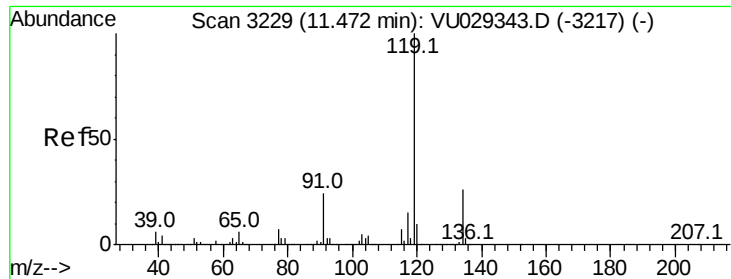
Tot Ion:105 Resp: 163369
 Ion Ratio Lower Upper
 105 100
 134 21.1 15.0 22.6



#80
 Nitrobenzene
 Concen: 4.782 ug/l
 RT: 12.86 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VU029383.D
 Acq: 08 Feb 2019 17:19

Tgt Ion: 77 Resp: 2968
 Ion Ratio Lower Upper
 77 100
 123 44.1 17.5 61.9
 65 8.2 10.8 13.8#

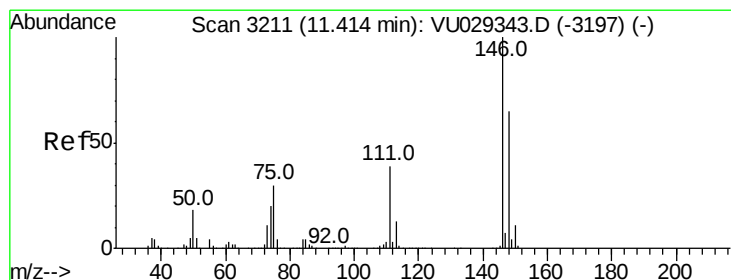
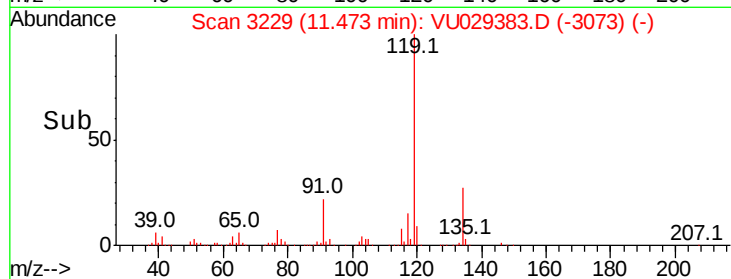
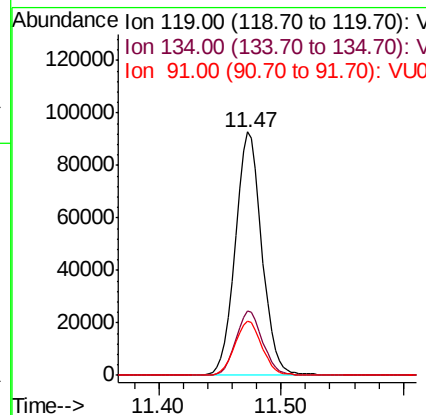
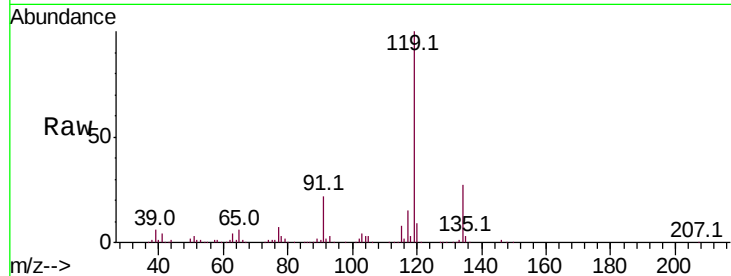




#81
p-Isopropyltoluene
Concen: 1.970 ug/l
RT: 11.47 min Scan# 3229
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

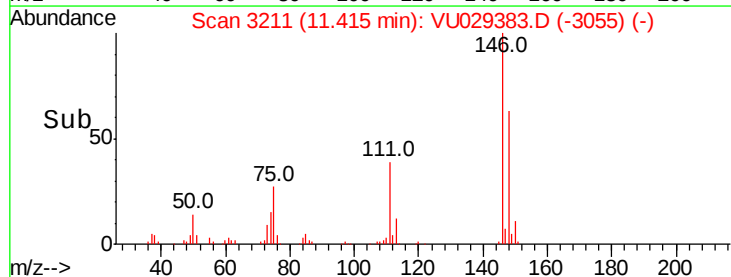
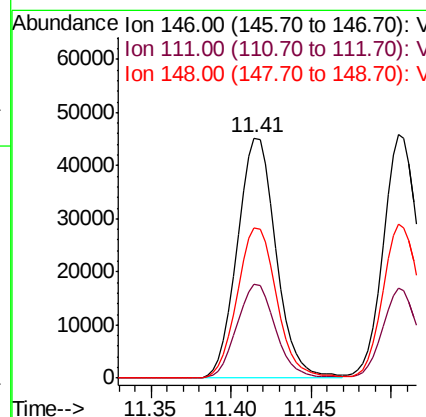
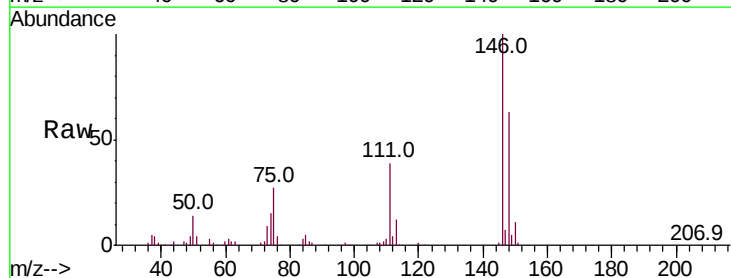
Instrument :
MSVOA_U
ClientSampleId :

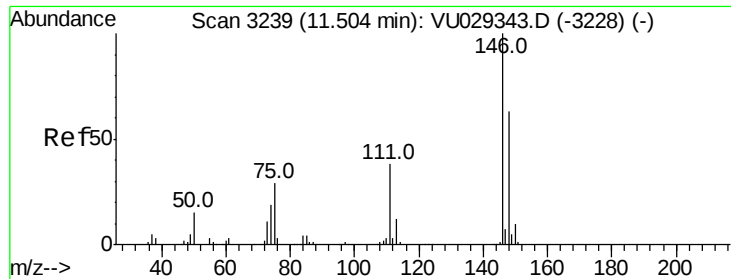
Tot Ion:119 Resp: 140717
Ion Ratio Lower Upper
119 100
134 26.6 19.8 29.6
91 23.2 21.5 32.3



#82
1,3-Dichlorobenzene
Concen: 2.073 ug/l
RT: 11.41 min Scan# 3211
Delta R.T. 0.00 min
Lab File: VU029383.D
Acq: 08 Feb 2019 17:19

Tgt Ion:146 Resp: 74474
Ion Ratio Lower Upper
146 100
111 38.7 34.1 51.1
148 63.9 52.3 78.5

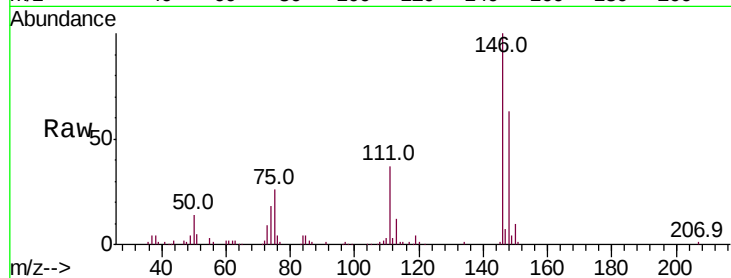




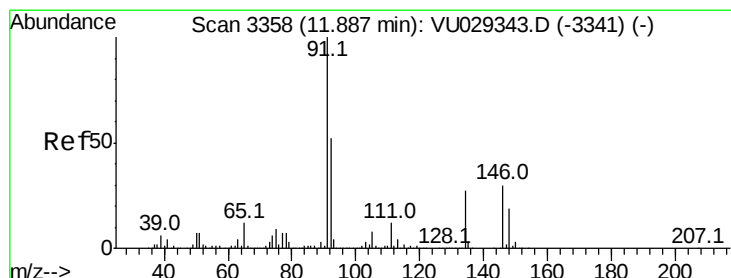
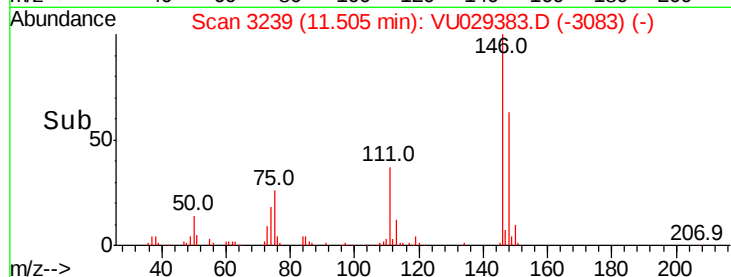
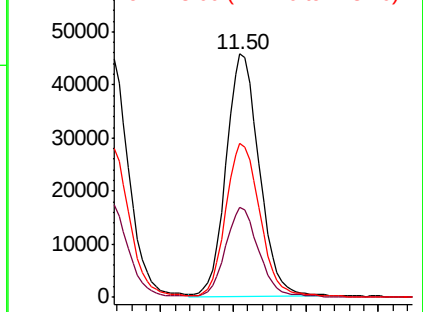
#83
 1,4-Dichlorobenzene
 Concen: 2.030 ug/l
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU029383.D
 Acq: 08 Feb 2019 17:19

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:146 Resp: 72665
 Ion Ratio Lower Upper
 146 100
 111 37.5 32.9 49.3
 148 66.4 51.8 77.6

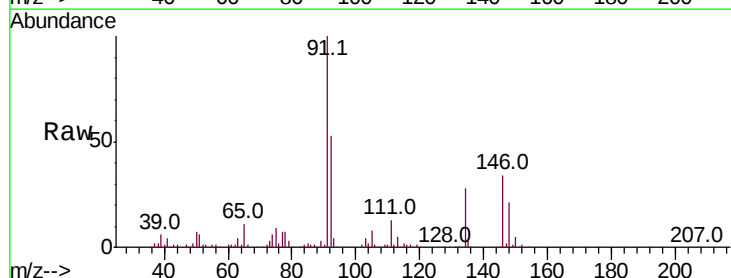


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

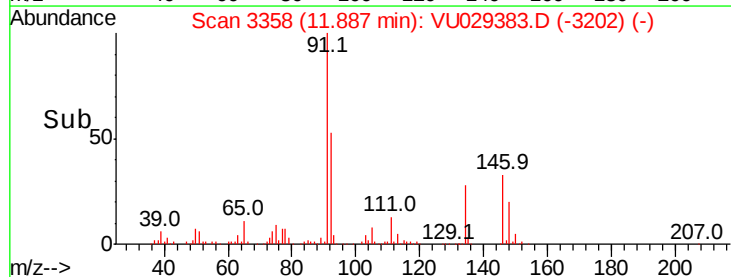
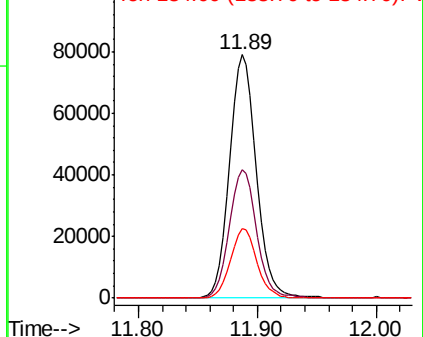


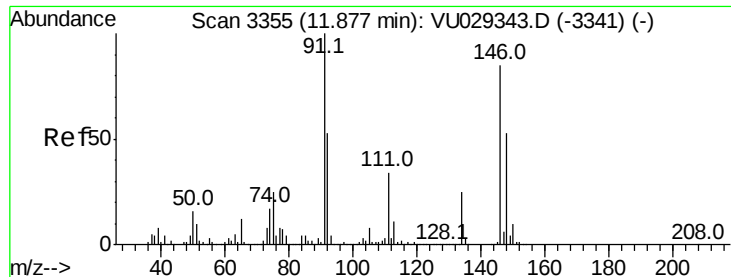
#84
 n-Butylbenzene
 Concen: 1.884 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. 0.00 min
 Lab File: VU029383.D
 Acq: 08 Feb 2019 17:19

Tgt Ion: 91 Resp: 123454
 Ion Ratio Lower Upper
 91 100
 92 53.8 41.0 61.6
 134 28.2 19.1 28.7



Abundance Ion 91.00 (90.70 to 91.70): VU0
 Ion 92.00 (91.70 to 92.70): VU0
 Ion 134.00 (133.70 to 134.70): V





#85

1,2-Dichlorobenzene

Concen: 2.004 ug/l

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Instrument :

MSVOA_U

ClientSampleId :

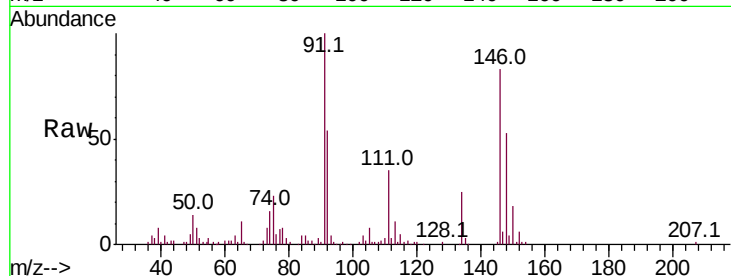
Tot Ion:146 Resp: 68089

Ion Ratio Lower Upper

146 100

111 40.2 21.9 65.8

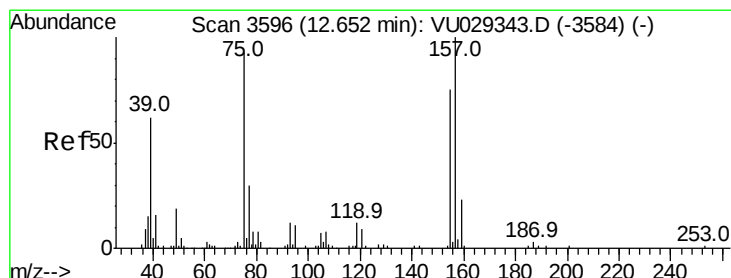
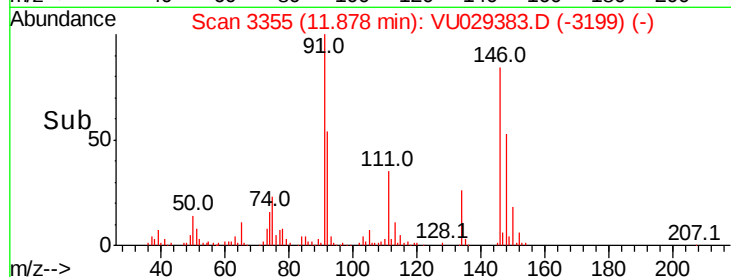
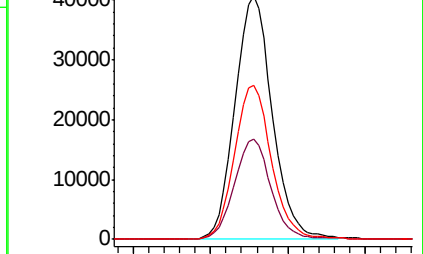
148 62.9 31.8 95.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#86

1,2-Dibromo-3-Chloropropane

Concen: 1.616 ug/l

RT: 12.66 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

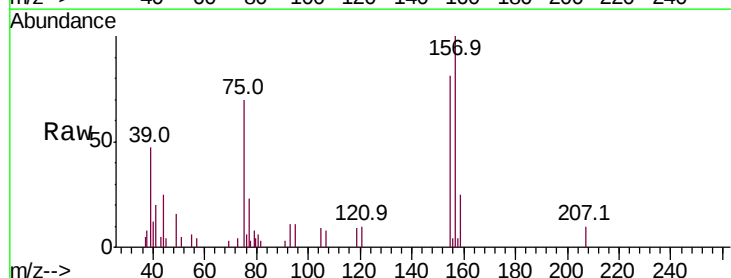
Tgt Ion: 75 Resp: 4202

Ion Ratio Lower Upper

75 100

155 103.2 53.8 80.8#

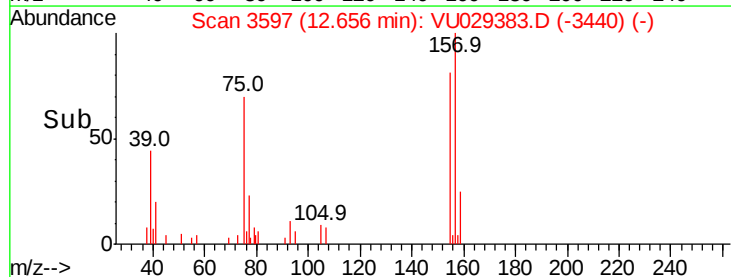
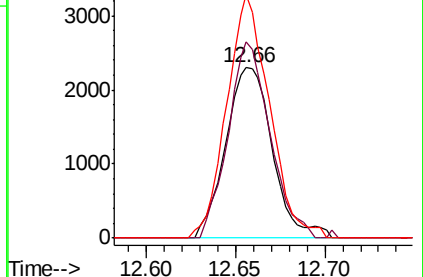
157 130.4 69.2 103.8#

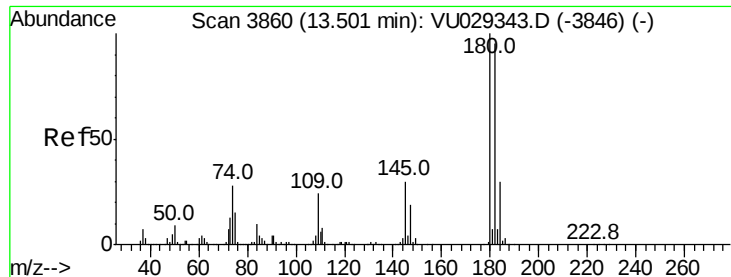


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

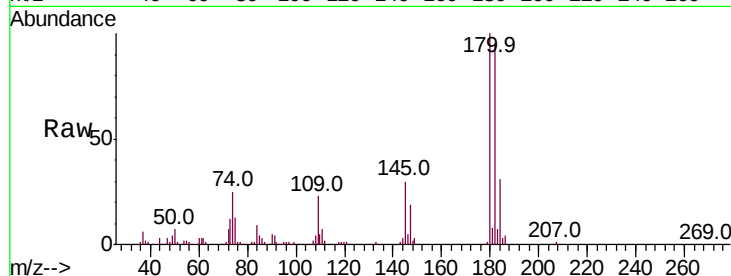




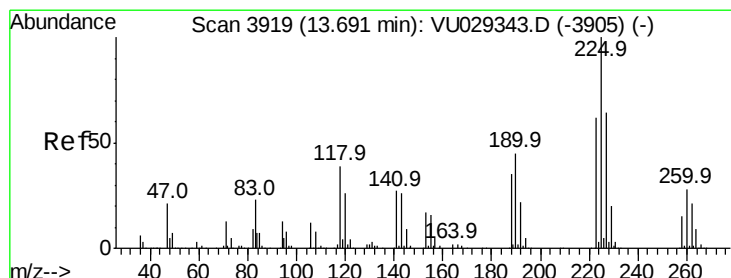
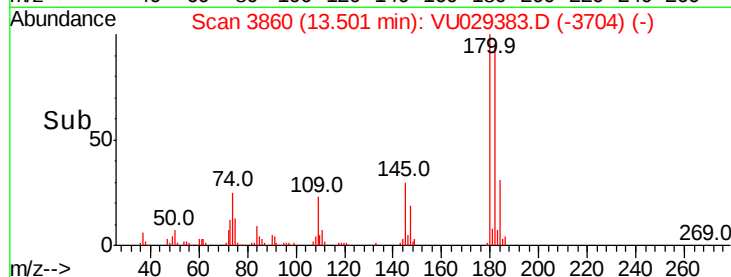
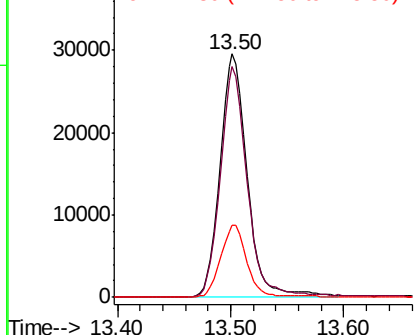
#87
 1,2,4-Trichlorobenzene
 Concen: 2.072 ug/l
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU029383.D
 Acq: 08 Feb 2019 17:19

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 49443
 Ion Ratio Lower Upper
 180 100
 182 93.5 76.6 114.8
 145 28.3 24.6 36.8

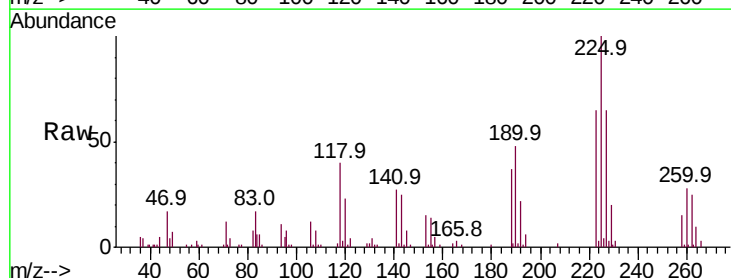


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

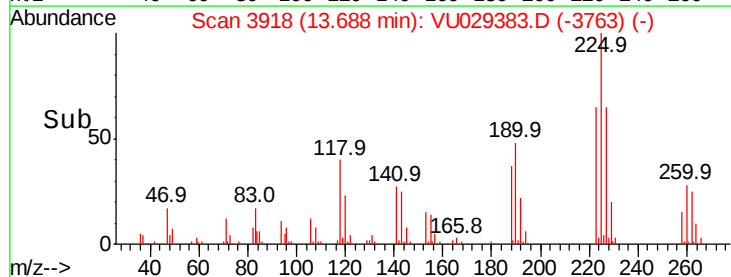
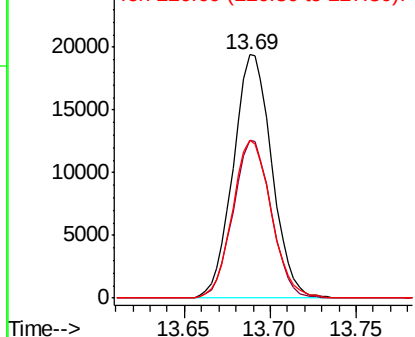


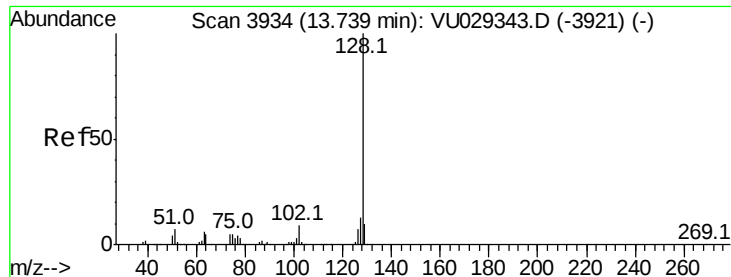
#88
 Hexachlorobutadiene
 Concen: 2.195 ug/l
 RT: 13.69 min Scan# 3918
 Delta R.T. -0.00 min
 Lab File: VU029383.D
 Acq: 08 Feb 2019 17:19

Tgt Ion:225 Resp: 30342
 Ion Ratio Lower Upper
 225 100
 223 63.8 49.5 74.3
 227 64.9 50.4 75.6



Abundance Ion 224.60 (224.30 to 225.30): V
 Ion 222.60 (222.30 to 223.30): V
 Ion 226.60 (226.30 to 227.30): V





#89

Naphthalene

Concen: 2.153 ug/l

RT: 13.74 min Scan# 3935

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Instrument :

MSVOA_U

ClientSampleId :

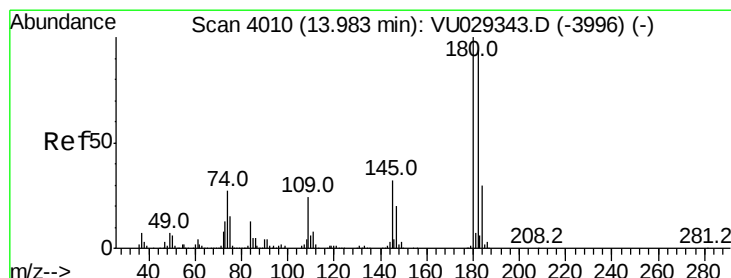
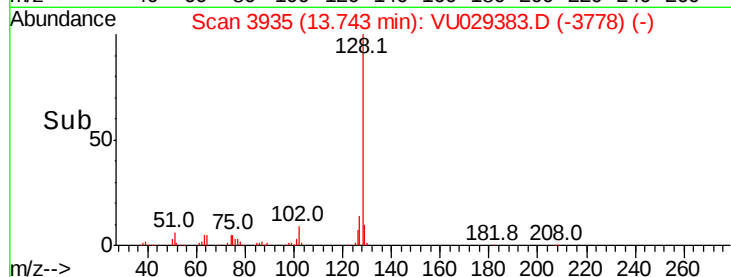
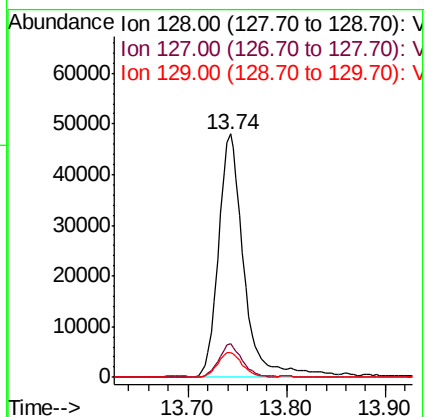
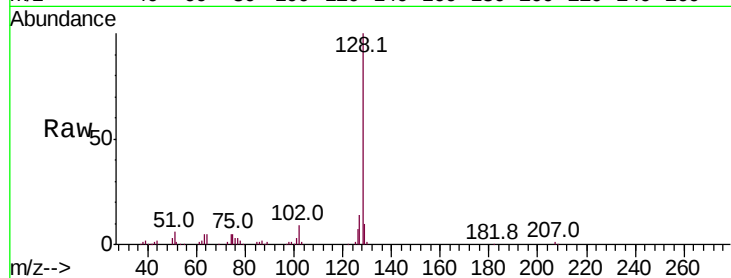
Tot Ion:128 Resp: 87152

Ion Ratio Lower Upper

128 100

127 12.6 10.7 16.1

129 10.1 8.2 12.4



#90

1,2,3-Trichlorobenzene

Concen: 2.394 ug/l

RT: 13.99 min Scan# 4011

Delta R.T. 0.00 min

Lab File: VU029383.D

Acq: 08 Feb 2019 17:19

Tgt Ion:180 Resp: 52203

Ion Ratio Lower Upper

180 100

182 94.4 78.0 117.0

145 30.4 26.6 39.8

