

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072419\
 Data File : VU033392.D
 Acq On : 24 Jul 2019 18:41
 Operator : JC/SP
 Sample : VSTDCCC010EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Jul 25 11:52:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U072219DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jul 24 03:53:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.72	96	29980	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.29	95	12958	1.10	ug/l	0.00
Spiked Amount 1.000			Recovery	=	110.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	12802	1.05	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	129534	10.447	ug/l	98
3) Chloromethane	1.32	50	125200	9.149	ug/l	96
4) Vinyl Chloride	1.40	62	144998	9.495	ug/l	98
5) Bromomethane	1.62	94	99507	10.351	ug/l	99
6) Chloroethane	1.69	64	93989	8.764	ug/l	99
7) Trichlorofluoromethane	1.87	101	207705	9.906	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.27	101	109506	10.124	ug/l	99
9) 1,1-Dichloroethene	2.27	96	106113	9.961	ug/l	99
10) Iodomethane	2.40	142	122331	8.545	ug/l	99
11) Allyl Chloride	2.58	41	169363	9.634	ug/l	100
12) Acrylonitrile	2.92	53	51886	17.448	ug/l	99
13) Acetone	2.31	43	111784	44.060	ug/l	99
14) Carbon Disulfide	2.46	76	389361	9.619	ug/l	99
15) Methylene Chloride	2.68	84	130786	9.103	ug/l	97
16) trans-1,2-Dichloroethene	2.96	96	120720	9.543	ug/l	96
17) 1,1-Dichloroethane	3.42	63	174115	10.255	ug/l	99
18) 2-Butanone	4.25	43	122188	50.458	ug/l	100
19) Cyclohexane	4.97	56	115091	9.237	ug/l	87
20) Methylcyclohexane	6.40	83	141057	11.245	ug/l	98
21) 2,2-Dichloropropane	4.20	77	147948	10.284	ug/l	99
22) cis-1,2-Dichloroethene	4.20	96	100008	10.431	ug/l	99
23) Diethyl Ether	2.09	59	85180	9.276	ug/l	98
24) tert-Butyl Alcohol	2.82	59	93016	81.832	ug/l	99
25) Methyl tert-Butyl Ether	2.98	73	288331	9.400	ug/l	98
26) Bromochloromethane	4.52	128	43188	10.244	ug/l	96
27) Chloroform	4.65	83	182353	9.398	ug/l	100
28) 1,1,1-Trichloroethane	4.89	97	156110	10.391	ug/l	100
29) 1,1-Dichloropropene	5.11	75	132014	10.654	ug/l	98
30) Carbon Tetrachloride	5.11	117	137071	10.367	ug/l	99
31) Isopropyl Ether	3.56	45	220543	10.277	ug/l	98
32) Ethyl-t-butyl ether	4.05	59	208449	10.104	ug/l	99
33) Tert-Amyl methyl ether	5.56	73	195594	10.543	ug/l	98
34) Propionitrile	4.31	54	36202	52.114	ug/l #	96
35) Benzene	5.36	78	380398	10.625	ug/l	100
36) 1,2-Dichloroethane	5.38	62	121936	10.234	ug/l	99
37) Trichloroethene	6.16	130	97081	10.274	ug/l	95
38) 1,2-Dichloropropane	6.41	63	102355	10.362	ug/l	100
39) Methacrylonitrile	4.52	41	27428	9.947	ug/l	97
40) Methyl acrylate	4.40	55	42253	9.849	ug/l #	96
41) Tetrahydrofuran	4.63	42	27546	19.922	ug/l	99
42) 1-Chlorobutane	5.04	56	182058	10.958	ug/l	99

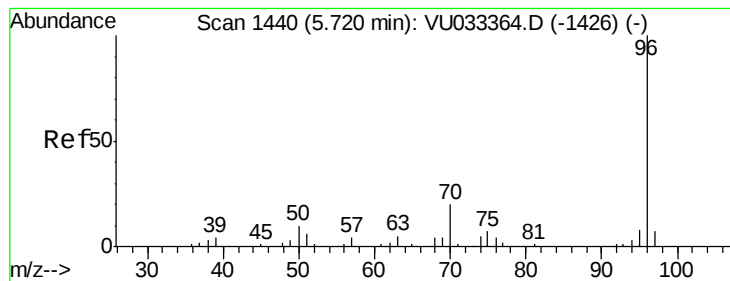
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072419\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.54	93	55946	10.231	ug/l	99
44) Bromodichloromethane	6.74	83	135063	10.244	ug/l	99
45) 4-Methyl-2-Pentanone	7.45	43	287994	51.637	ug/l	99
46) t-1,4-Dichloro-2-butene	10.48	75	64849	28.811	ug/l #	81
47) Methyl methacrylate	6.61	69	88983	21.349	ug/l	98
48) Ethyl methacrylate	8.00	69	78298	10.658	ug/l	99
49) Toluene	7.62	92	240300	11.717	ug/l	100
50) t-1,3-Dichloropropene	7.86	75	117327	10.668	ug/l	100
51) cis-1,3-Dichloropropene	7.25	75	134370	10.348	ug/l	100
52) 1,1,2-Trichloroethane	8.05	97	75542	10.336	ug/l	98
53) 1,3-Dichloropropane	8.22	76	129762	10.507	ug/l	100
54) 2-Hexanone	8.35	43	202053	51.465	ug/l	99
55) Dibromochloromethane	8.46	129	91029	10.663	ug/l	98
56) 1,2-Dibromoethane	8.57	107	69304	10.173	ug/l	98
58) Tetrachloroethene	8.21	164	93665	10.931	ug/l	98
59) Chlorobenzene	9.10	112	261104	11.105	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.19	131	95624	10.709	ug/l	99
61) Pentachloroethane	11.09	117	81628	11.139	ug/l	100
62) Hexachloroethane	12.13	117	78958	11.136	ug/l	98
63) Ethyl Benzene	9.23	91	452773	11.992	ug/l	99
64) m/p-Xylenes	9.36	106	377683	25.020	ug/l	97
65) o-Xylene	9.76	106	171289	11.842	ug/l	100
66) Styrene	9.77	104	307907	12.548	ug/l	99
67) Bromoform	9.94	173	52042	11.264	ug/l	99
69) Isopropylbenzene	10.15	105	448954	12.104	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.44	83	100029	10.327	ug/l	99
71) 1,2,3-Trichloropropane	10.48	75	64849	8.672	ug/l	94
72) Bromobenzene	10.44	156	111482	11.378	ug/l	99
73) n-propylbenzene	10.57	120	133762	12.652	ug/l	99
74) 2-Chlorotoluene	10.64	126	118891	12.318	ug/l	99
75) 1,3,5-Trimethylbenzene	10.76	105	427085	12.825	ug/l	100
76) 4-Chlorotoluene	10.76	126	126195	12.548	ug/l	97
77) tert-Butylbenzene	11.09	119	378052	11.979	ug/l	100
78) 1,2,4-Trimethylbenzene	11.13	105	437654	12.858	ug/l	100
79) sec-Butylbenzene	11.31	105	534437	12.303	ug/l	100
80) Nitrobenzene	12.85	77	14432	35.847	ug/l #	95
81) p-Isopropyltoluene	11.46	119	449220	12.720	ug/l	99
82) 1,3-Dichlorobenzene	11.40	146	235483	11.307	ug/l	99
83) 1,4-Dichlorobenzene	11.49	146	240827	11.689	ug/l	99
84) n-Butylbenzene	11.87	91	448038	12.397	ug/l	100
85) 1,2-Dichlorobenzene	11.86	146	217830	11.156	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.64	75	15713	10.313	ug/l	98
87) 1,2,4-Trichlorobenzene	13.49	180	132301	11.388	ug/l	99
88) Hexachlorobutadiene	13.68	225	82701	11.542	ug/l	96
89) Naphthalene	13.73	128	235301	8.991	ug/l	99
90) 1,2,3-Trichlorobenzene	13.97	180	130025	11.532	ug/l	99

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.72 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 96 Resp: 29980

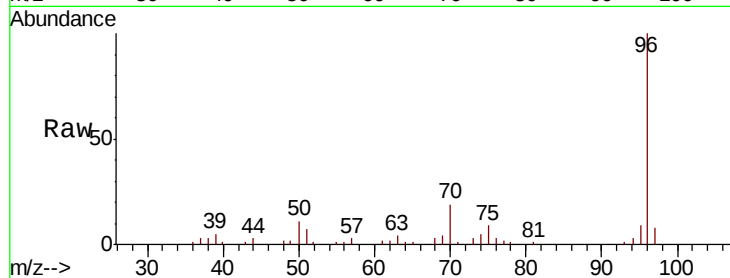
Ion Ratio Lower Upper

96 100

70 20.3 16.4 24.6

95 8.9 6.7 10.1

97 0.0 0.0 0.0

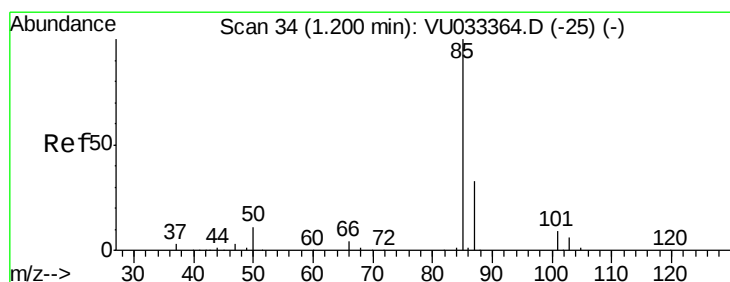
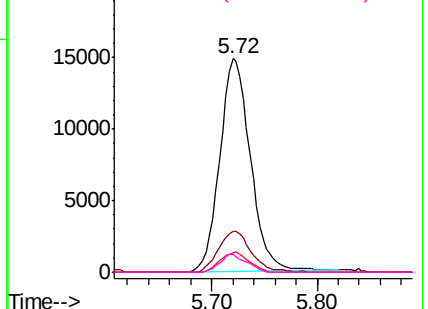
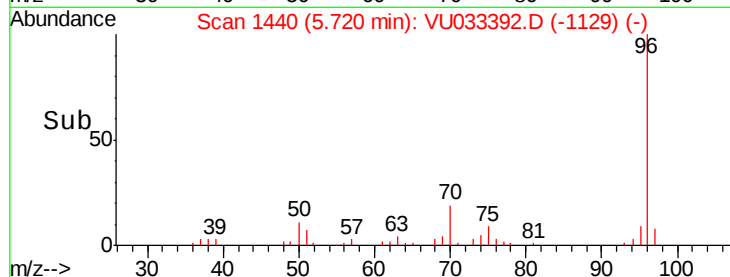


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



#2

Dichlorodifluoromethane

Concen: 10.447 ug/l

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU033392.D

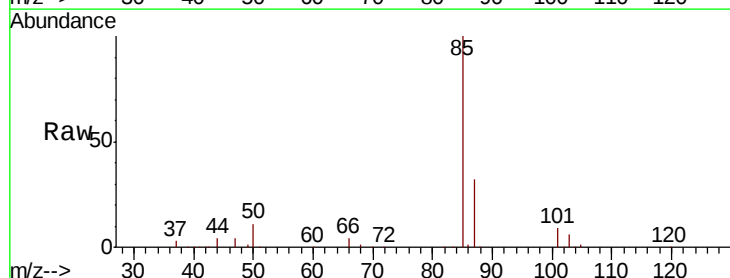
Acq: 24 Jul 2019 18:41

Tgt Ion: 85 Resp: 129534

Ion Ratio Lower Upper

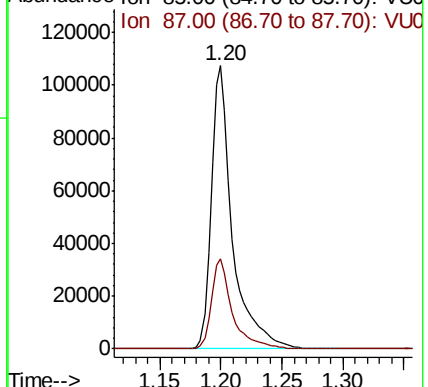
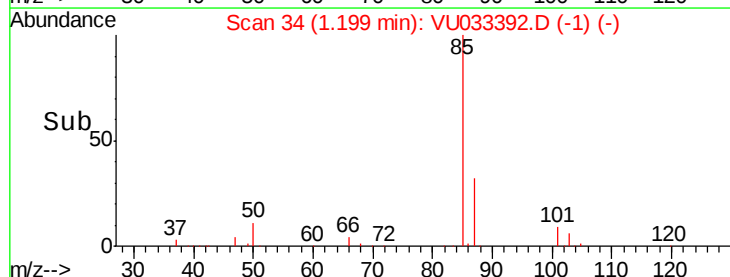
85 100

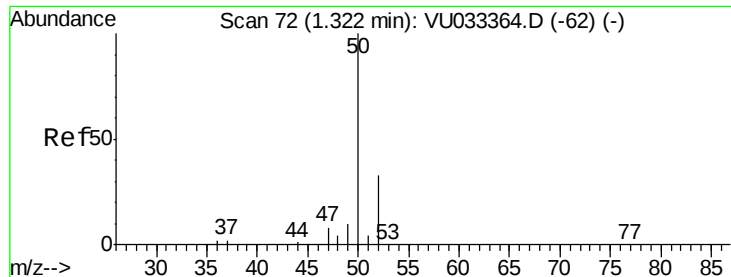
87 31.7 16.6 49.7



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 9.149 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

Instrument :

MSVOA_U

ClientSampleId :

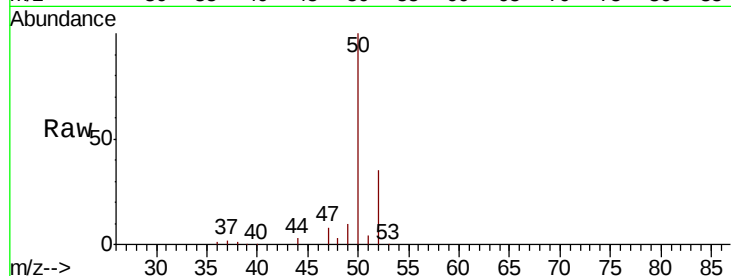
VSTDCCC010EC

Tgt Ion: 50 Resp: 125200

Ion Ratio Lower Upper

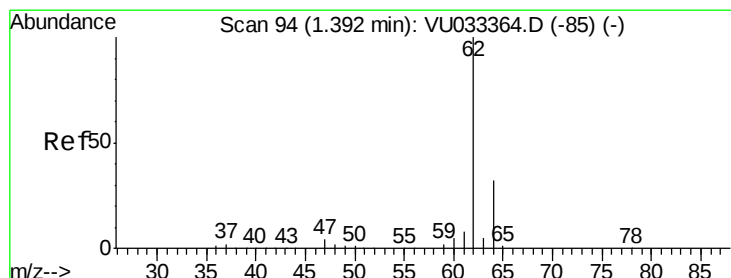
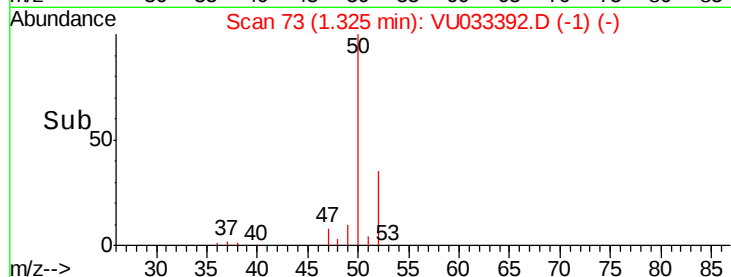
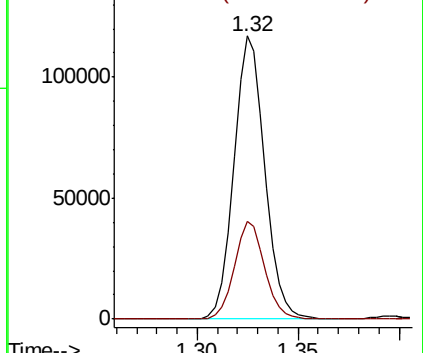
50 100

52 34.6 26.1 39.1



Abundance Ion 50.00 (49.70 to 50.70): VU033364.D (-62) (-)

Ion 52.00 (51.70 to 52.70): VU033392.D (-1) (-)



#4

Vinyl Chloride

Concen: 9.495 ug/l

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033392.D

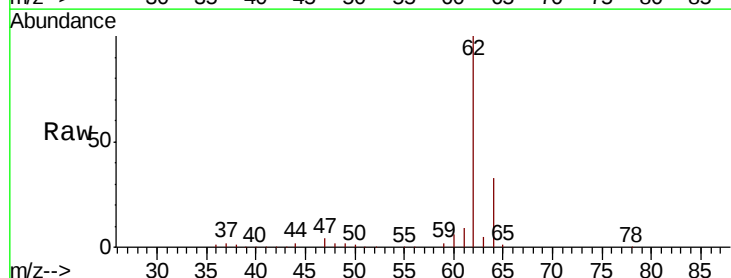
Acq: 24 Jul 2019 18:41

Tgt Ion: 62 Resp: 144998

Ion Ratio Lower Upper

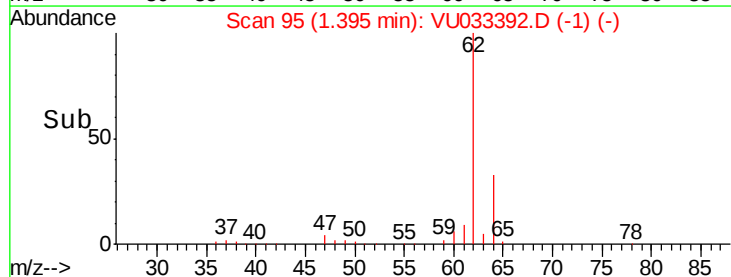
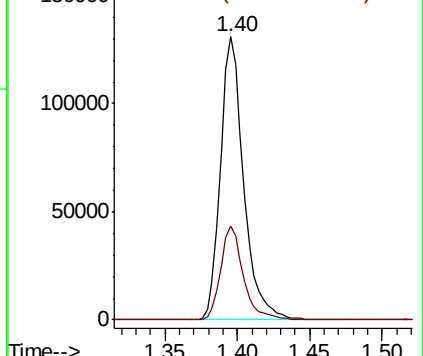
62 100

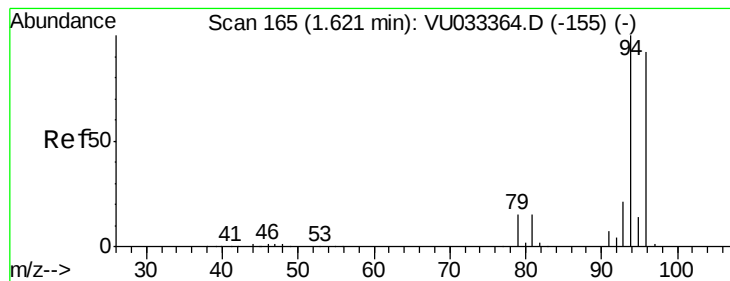
64 33.1 25.6 38.4



Abundance Ion 62.00 (61.70 to 62.70): VU033364.D (-85) (-)

Ion 64.00 (63.70 to 64.70): VU033392.D (-1) (-)





#5

Bromomethane

Concen: 10.351 ug/l

RT: 1.62 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

Instrument :

MSVOA_U

ClientSampleId :

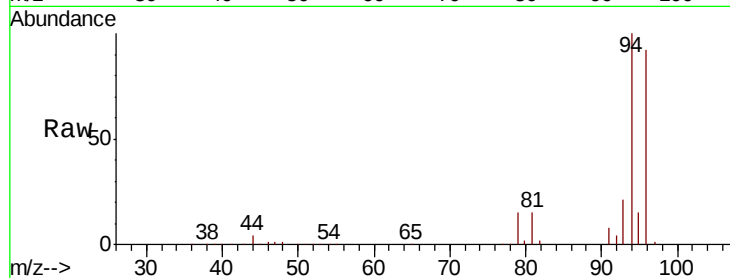
VSTDCCC010EC

Tgt Ion: 94 Resp: 99507

Ion Ratio Lower Upper

94 100

96 92.2 73.2 109.8



Abundance Ion 94.00 (93.70 to 94.70): VU033392.D (-10) (-)

Ion 96.00 (95.70 to 96.70): VU033392.D (-10) (-)

1.62

80000

60000

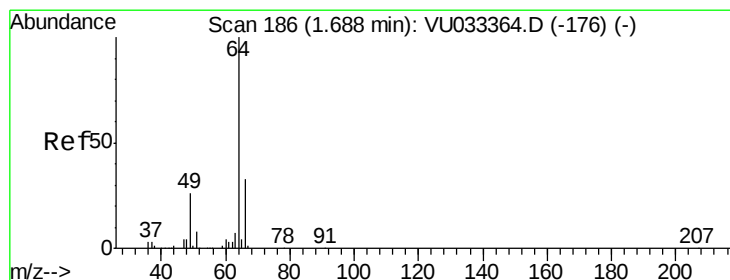
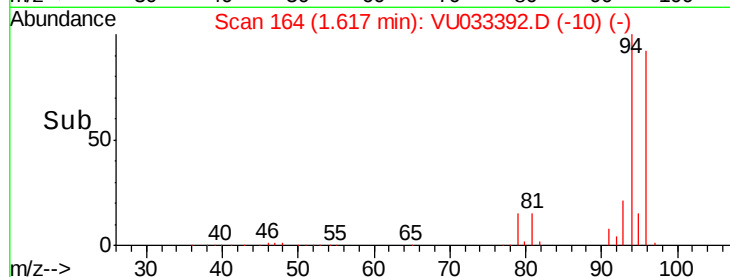
40000

20000

0

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 8.764 ug/l

RT: 1.69 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU033392.D

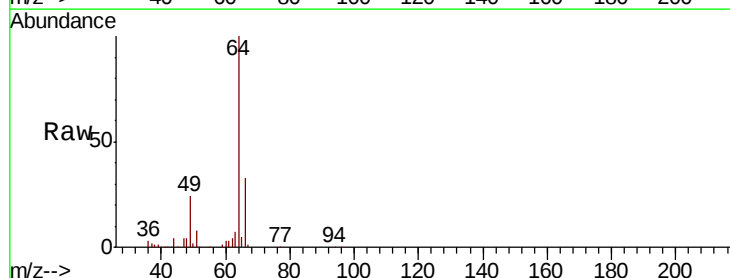
Acq: 24 Jul 2019 18:41

Tgt Ion: 64 Resp: 93989

Ion Ratio Lower Upper

64 100

66 32.7 26.4 39.6



Abundance Ion 64.00 (63.70 to 64.70): VU033392.D (-31) (-)

Ion 66.00 (65.70 to 66.70): VU033392.D (-31) (-)

1.69

80000

60000

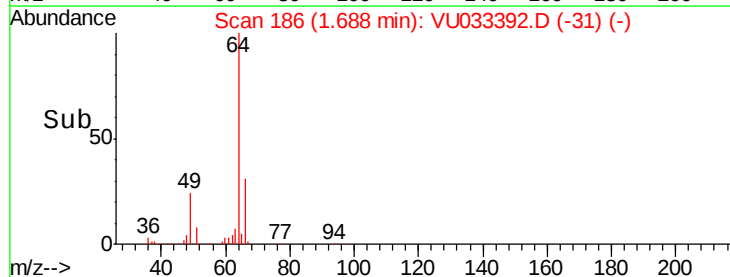
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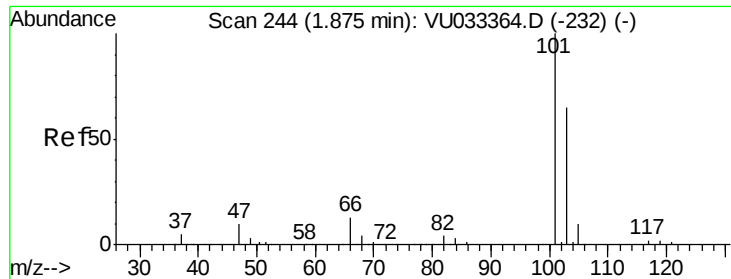
20000

0

1.65 1.70 1.75

Time-->



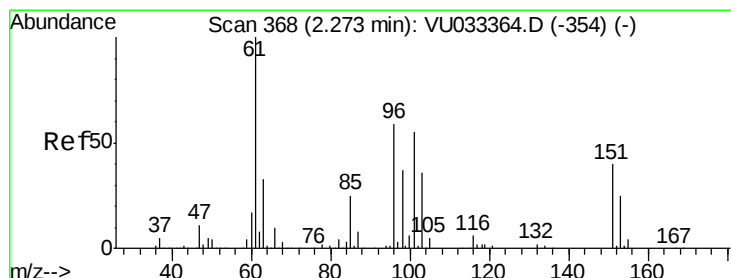
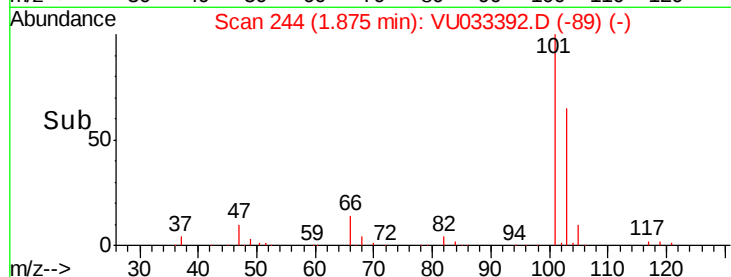
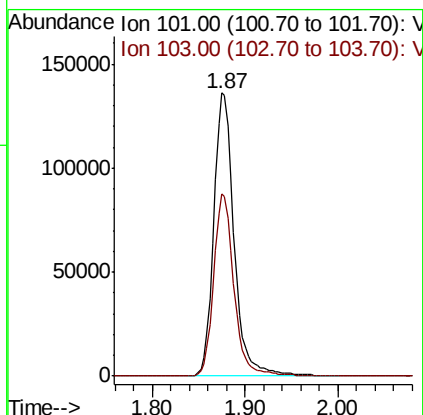
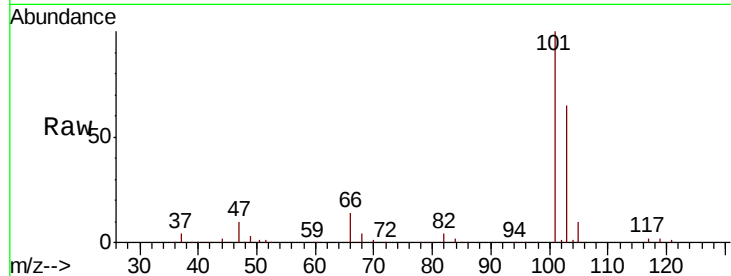


#7

Trichlorofluoromethane
 Concen: 9.906 ug/l
 RT: 1.87 min Scan# 244
 Delta R.T. -0.00 min
 Lab File: VU033392.D
 Acq: 24 Jul 2019 18:41

Instrument :
 MSVOA_U
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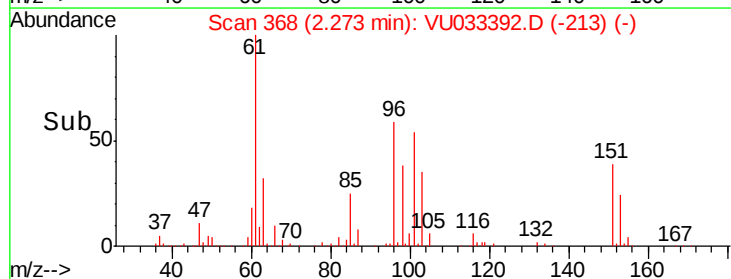
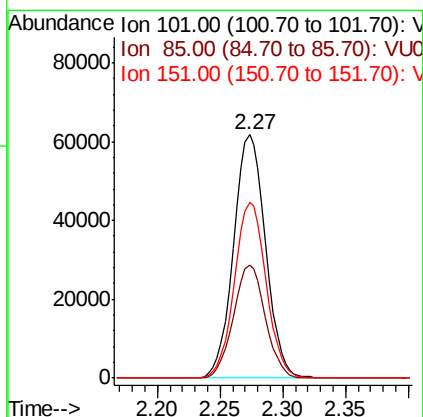
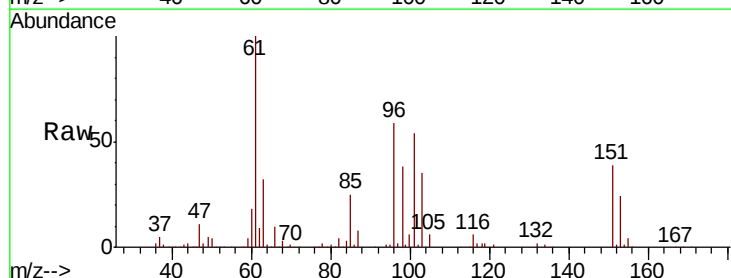
Tgt Ion:101 Resp: 207705
 Ion Ratio Lower Upper
 101 100
 103 64.6 52.2 78.2

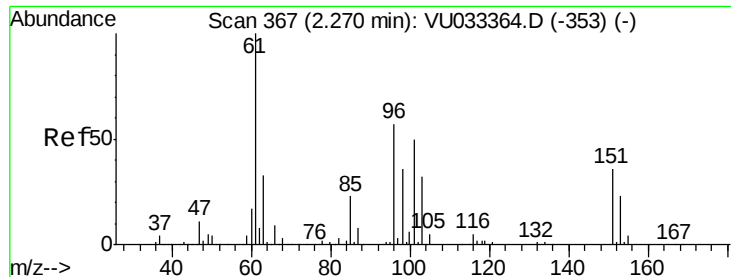


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 10.124 ug/l
 RT: 2.27 min Scan# 368
 Delta R.T. -0.00 min
 Lab File: VU033392.D
 Acq: 24 Jul 2019 18:41

Tgt Ion:101 Resp: 109506
 Ion Ratio Lower Upper
 101 100
 85 46.1 37.5 56.3
 151 71.7 58.3 87.5

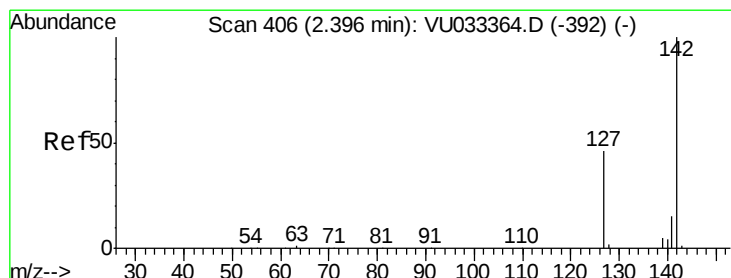
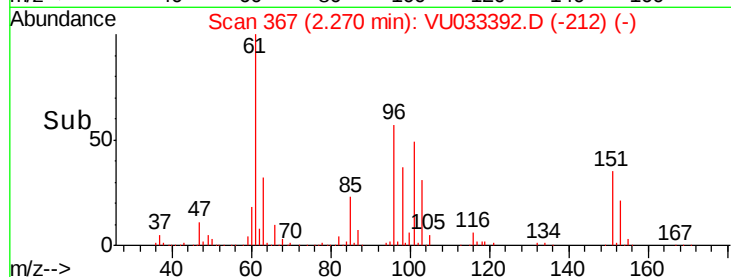
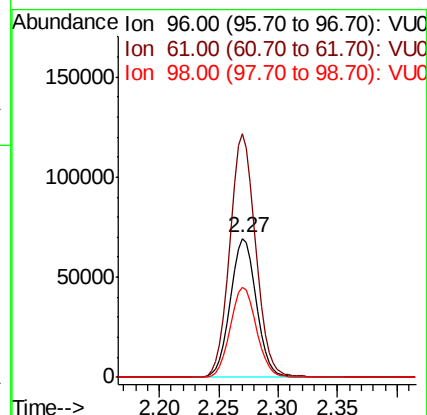
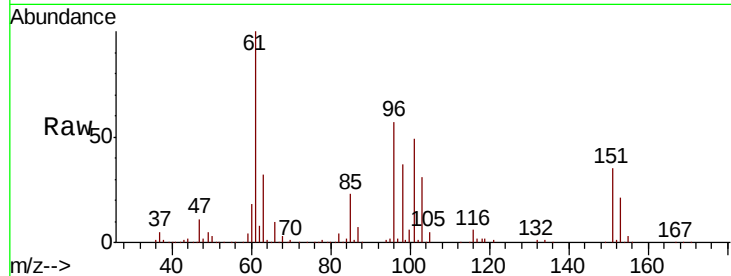




#9
 1,1-Dichloroethene
 Concen: 9.961 ug/l
 RT: 2.27 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: VU033392.D
 Acq: 24 Jul 2019 18:41

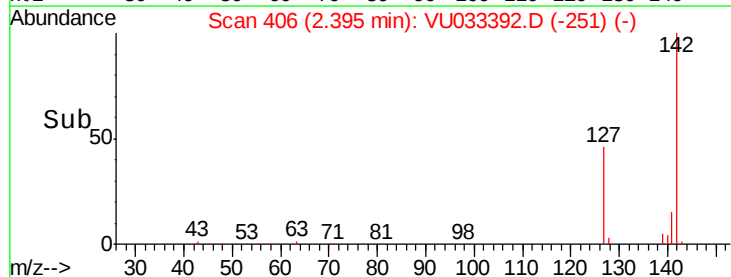
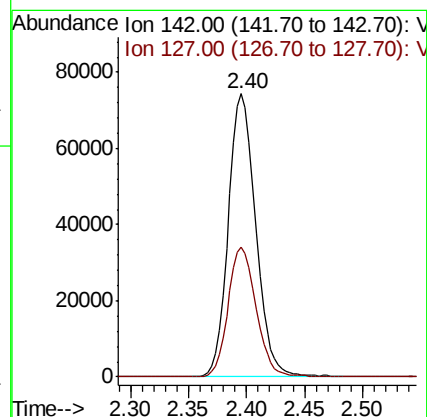
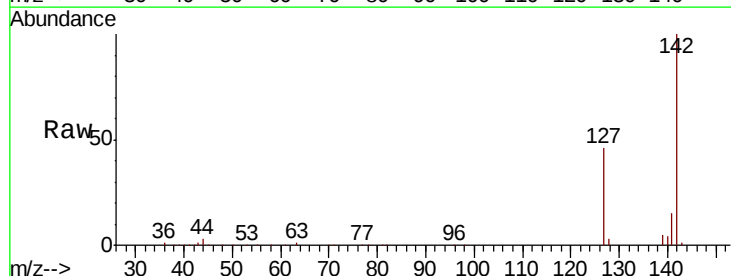
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

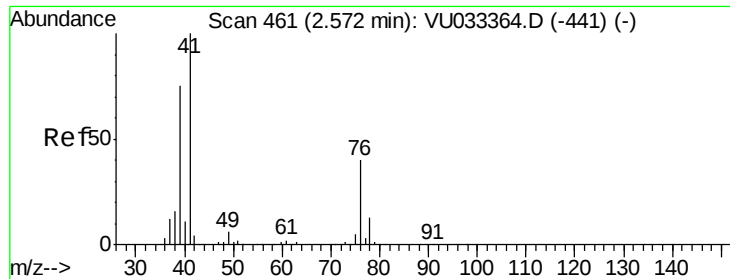
Tgt Ion: 96 Resp: 106113
 Ion Ratio Lower Upper
 96 100
 61 175.1 0.0 525.6
 98 65.0 0.0 126.4



#10
 Iodomethane
 Concen: 8.545 ug/l
 RT: 2.40 min Scan# 406
 Delta R.T. -0.00 min
 Lab File: VU033392.D
 Acq: 24 Jul 2019 18:41

Tgt Ion: 142 Resp: 122331
 Ion Ratio Lower Upper
 142 100
 127 46.7 37.8 56.6

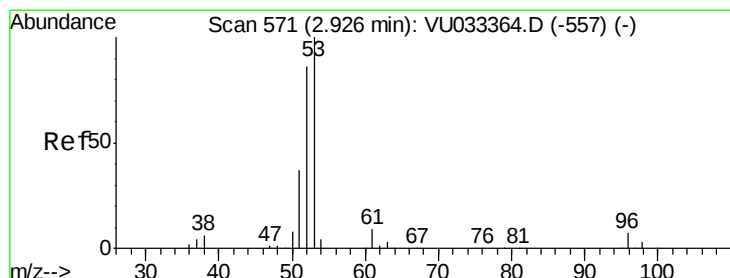
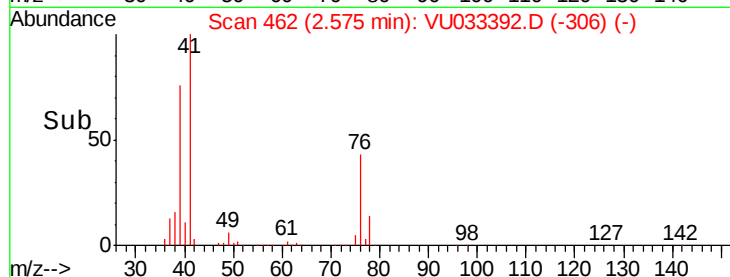
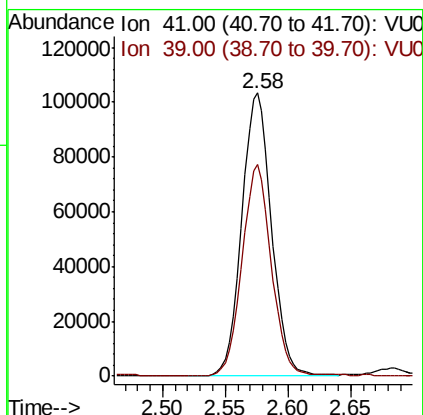
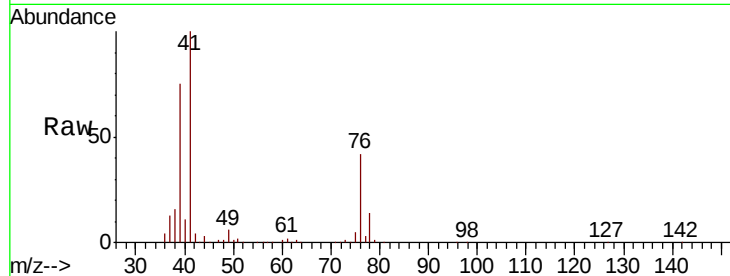




#11
 Allyl Chloride
 Concen: 9.634 ug/l
 RT: 2.58 min Scan# 462
 Delta R.T. 0.00 min
 Lab File: VU033392.D
 Acq: 24 Jul 2019 18:41

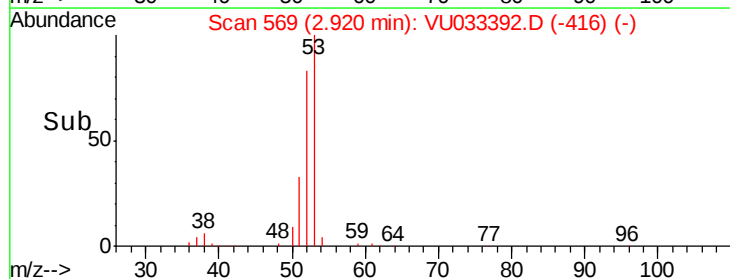
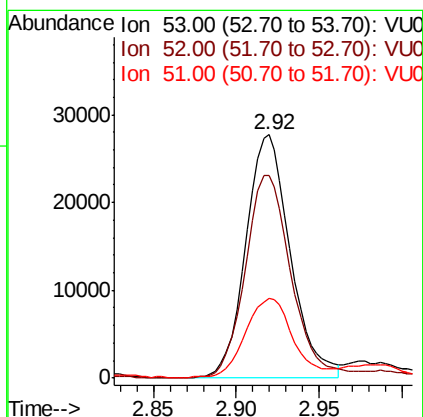
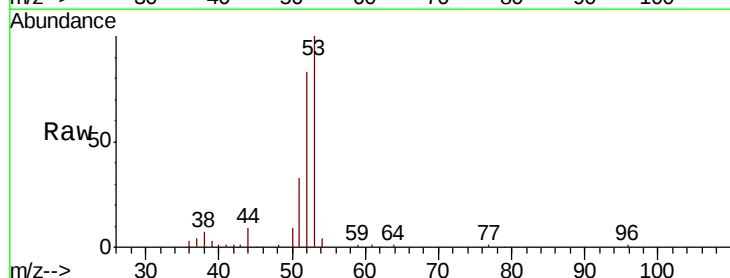
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

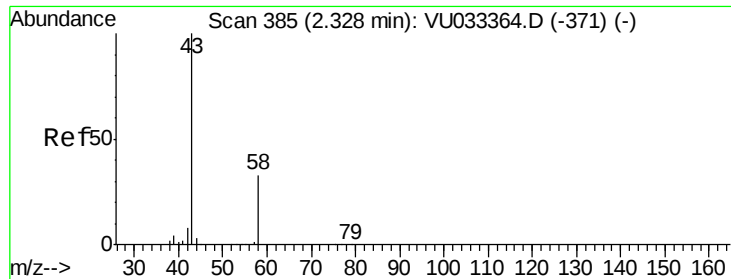
Tgt Ion: 41 Resp: 169363
 Ion Ratio Lower Upper
 41 100
 39 73.6 58.7 88.1



#12
 Acrylonitrile
 Concen: 17.448 ug/l
 RT: 2.92 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: VU033392.D
 Acq: 24 Jul 2019 18:41

Tgt Ion: 53 Resp: 51886
 Ion Ratio Lower Upper
 53 100
 52 86.9 69.8 104.8
 51 35.2 29.1 43.7





#13

Acetone

Concen: 44.060 ug/l

RT: 2.31 min Scan# 379

Delta R.T. -0.02 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

Instrument :

MSVOA_U

ClientSampleId :

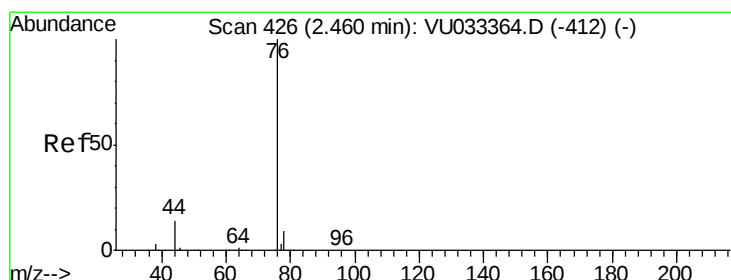
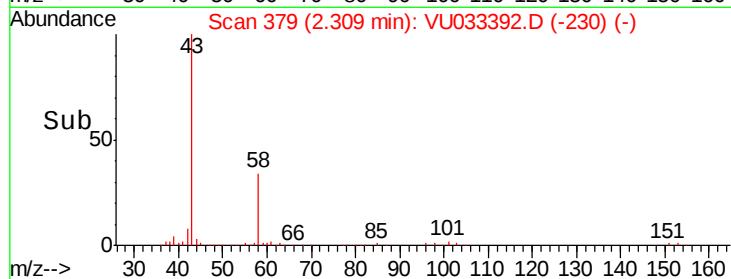
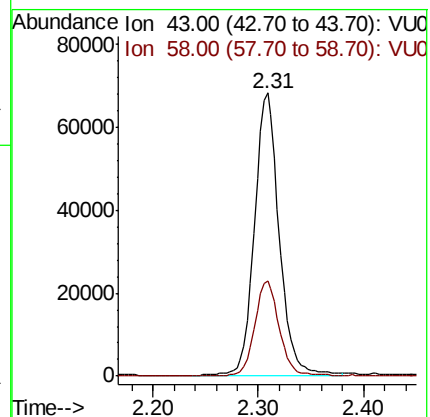
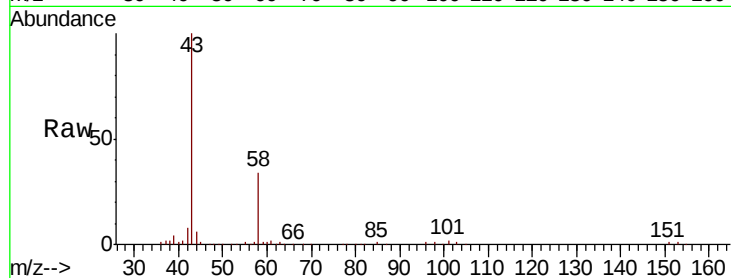
VSTDCCC010EC

Tgt Ion: 43 Resp: 111784

Ion Ratio Lower Upper

43 100

58 33.7 26.3 39.5



#14

Carbon Disulfide

Concen: 9.619 ug/l

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VU033392.D

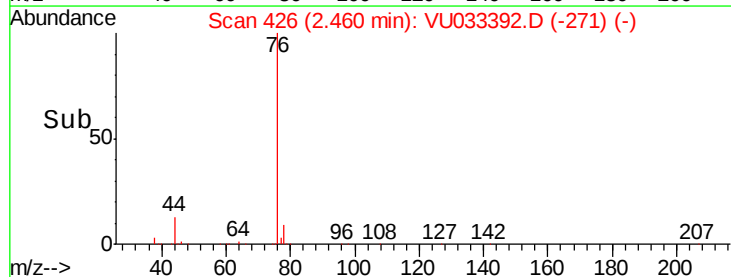
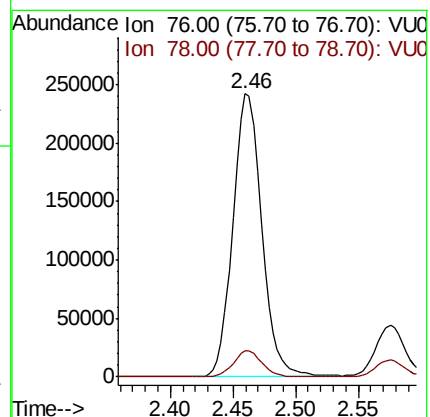
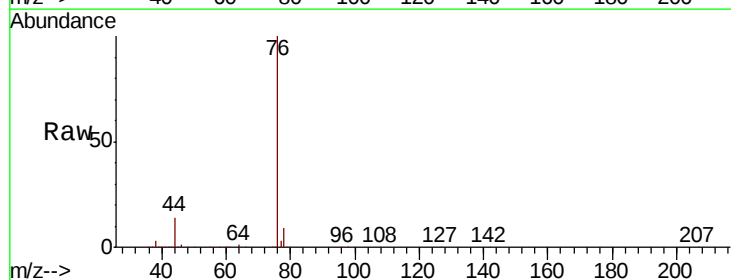
Acq: 24 Jul 2019 18:41

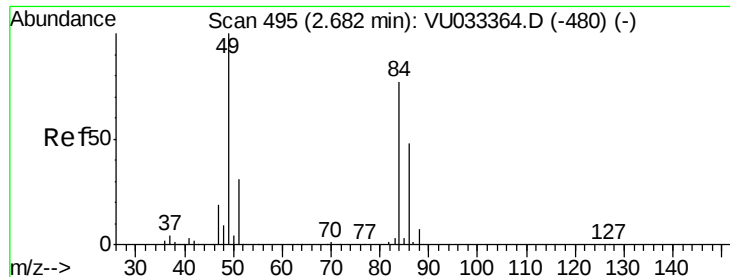
Tgt Ion: 76 Resp: 389361

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7

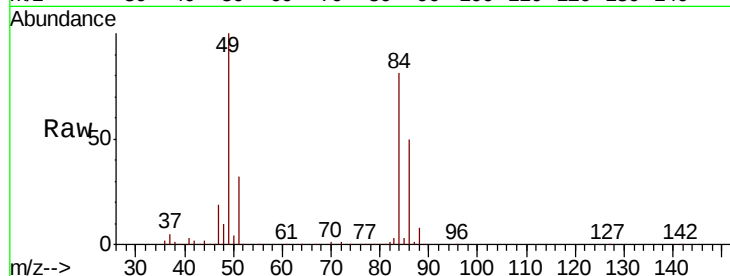




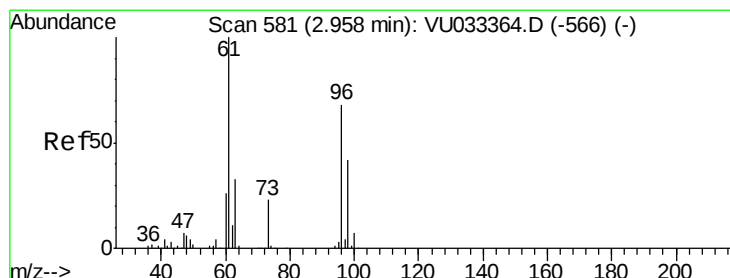
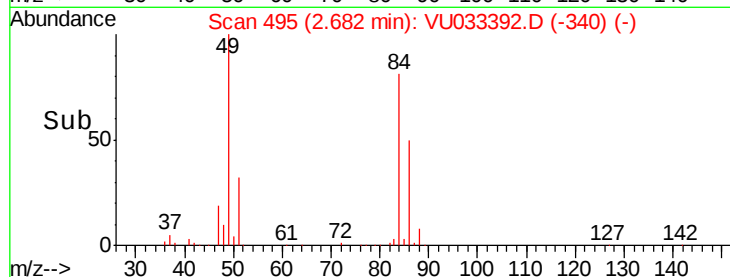
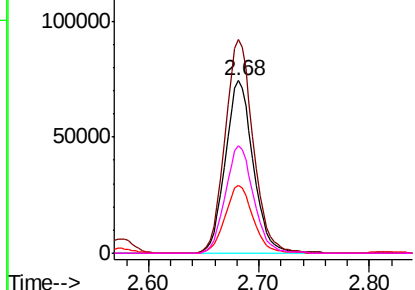
#15
Methylene Chloride
Concen: 9.103 ug/l
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 84 Resp: 130786
Ion Ratio Lower Upper
84 100
49 123.8 103.5 155.3
51 39.3 0.0 80.4
86 62.1 50.1 75.1

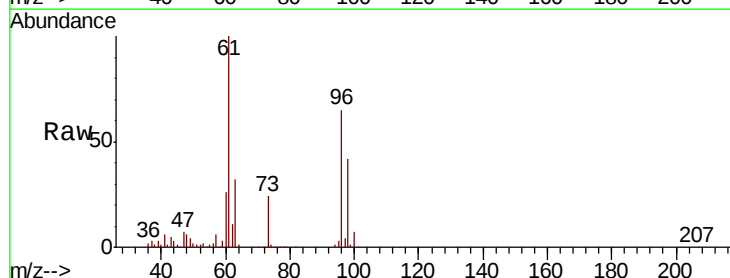


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 49.00 (48.70 to 49.70): VU0
Ion 51.00 (50.70 to 51.70): VU0
Ion 86.00 (85.70 to 86.70): VU0

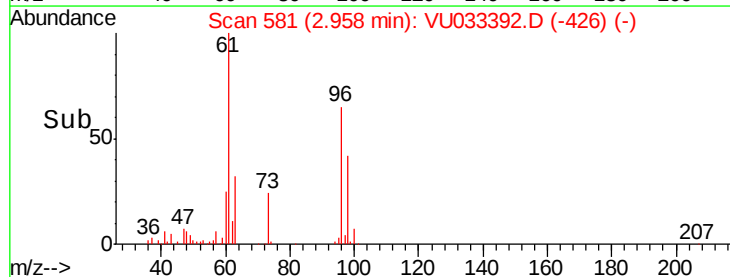
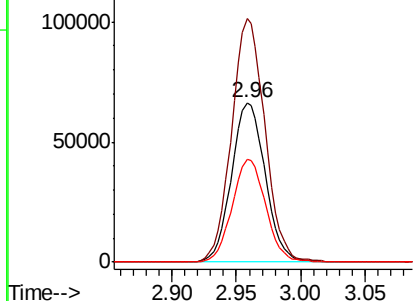


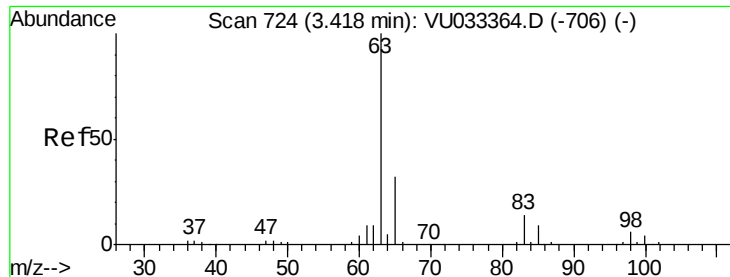
#16
trans-1,2-Dichloroethene
Concen: 9.543 ug/l
RT: 2.96 min Scan# 581
Delta R.T. -0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

Tgt Ion: 96 Resp: 120720
Ion Ratio Lower Upper
96 100
61 153.0 118.0 177.0
98 64.3 49.4 74.2



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

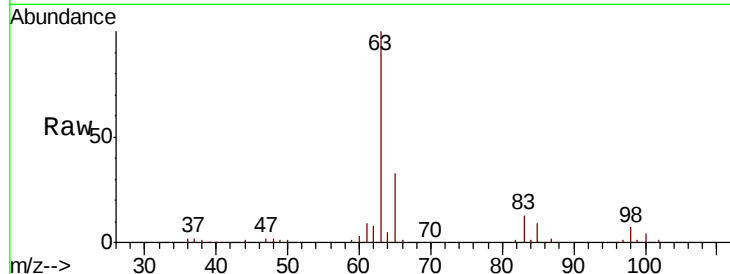




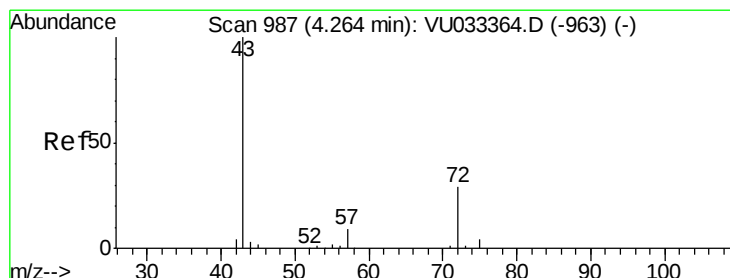
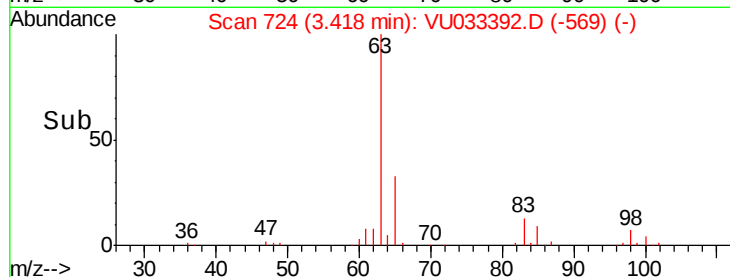
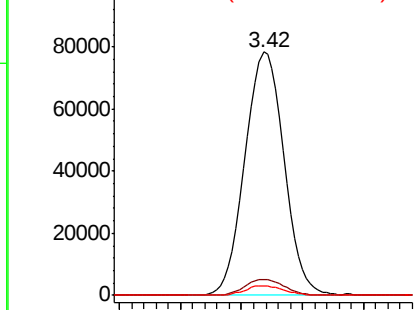
#17
 1,1-Dichloroethane
 Concen: 10.255 ug/l
 RT: 3.42 min Scan# 724
 Delta R.T. -0.00 min
 Lab File: VU033392.D
 Acq: 24 Jul 2019 18:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 63 Resp: 174115
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.2 9.6
 100 3.9 2.1 6.2

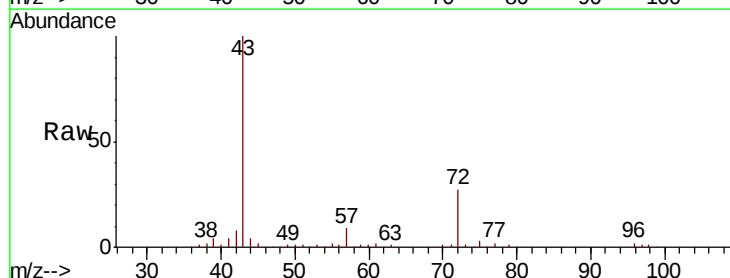


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

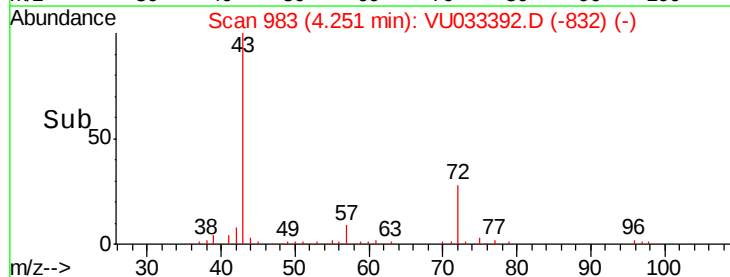
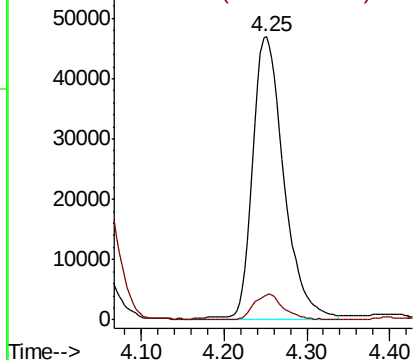


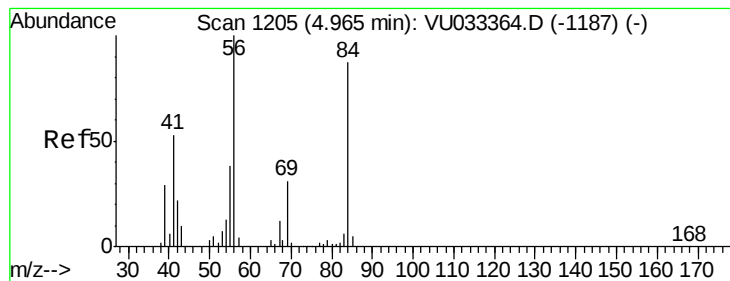
#18
 2-Butanone
 Concen: 50.458 ug/l
 RT: 4.25 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: VU033392.D
 Acq: 24 Jul 2019 18:41

Tgt Ion: 43 Resp: 122188
 Ion Ratio Lower Upper
 43 100
 57 8.6 0.0 17.0



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





#19

Cyclohexane

Concen: 9.237 ug/l

RT: 4.97 min Scan# 1206

Delta R.T. 0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

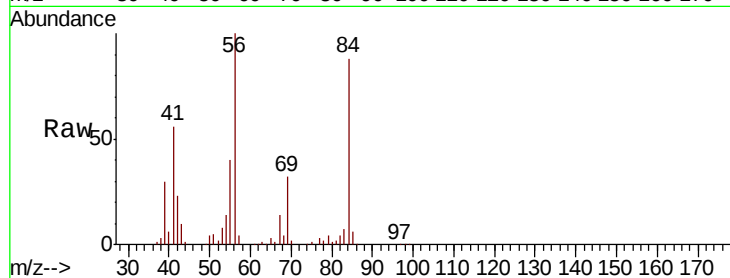
Tgt Ion: 56 Resp: 115091

Ion Ratio Lower Upper

56 100

69 36.7 25.0 37.4

84 100.2 69.8 104.6

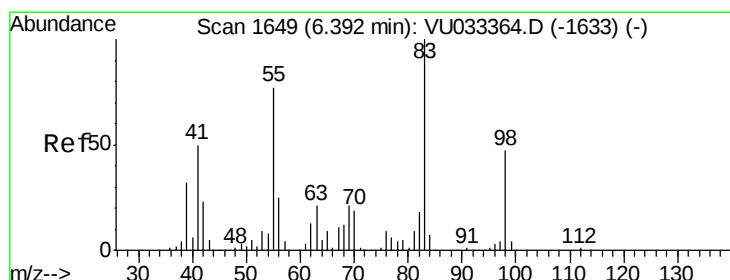
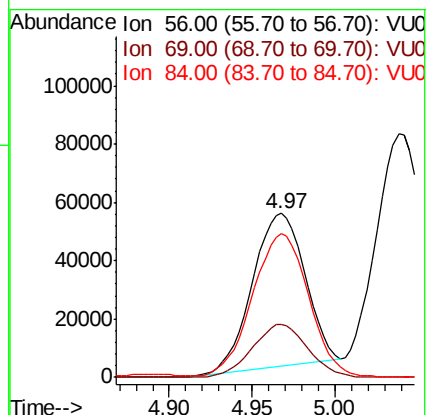
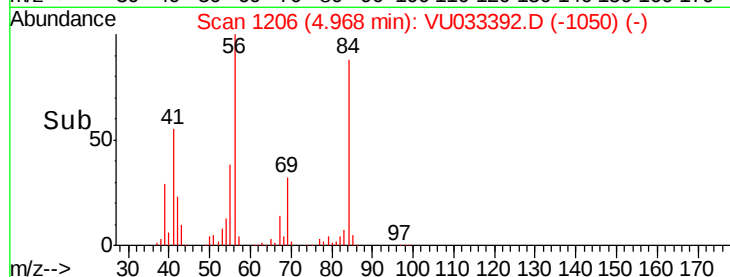


Abundance Ion 56.00 (55.70 to 56.70): VU033364.D (-1187) (-)

Ion 69.00 (68.70 to 69.70): VU033364.D (-1187) (-)

Ion 84.00 (83.70 to 84.70): VU033364.D (-1187) (-)

Time-->



#20

Methylcyclohexane

Concen: 11.245 ug/l

RT: 6.40 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

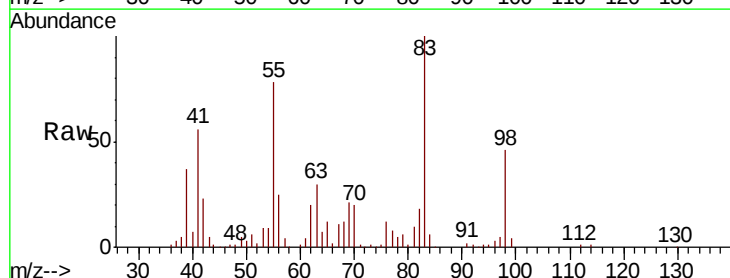
Tgt Ion: 83 Resp: 141057

Ion Ratio Lower Upper

83 100

55 79.2 62.3 93.5

98 45.3 37.4 56.0

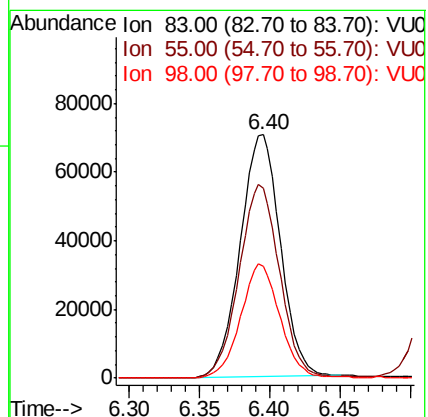
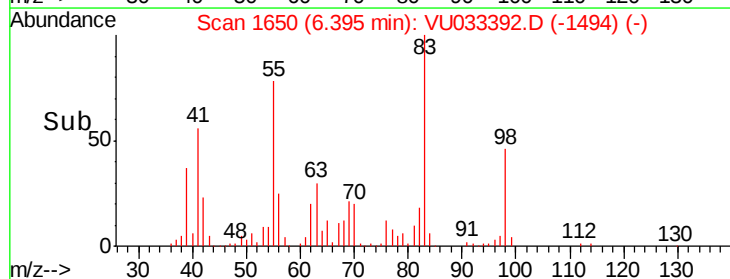


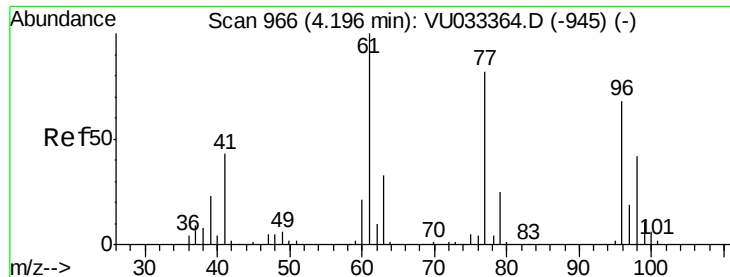
Abundance Ion 83.00 (82.70 to 83.70): VU033364.D (-1633) (-)

Ion 55.00 (54.70 to 55.70): VU033364.D (-1633) (-)

Ion 98.00 (97.70 to 98.70): VU033364.D (-1633) (-)

Time-->

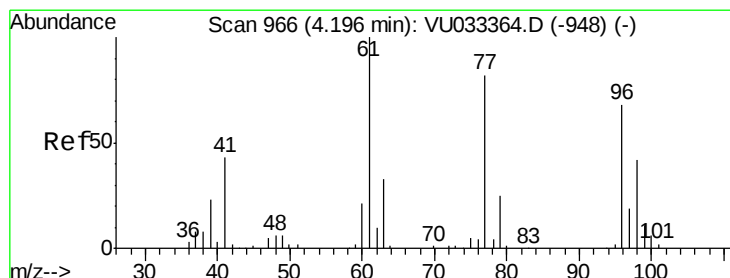
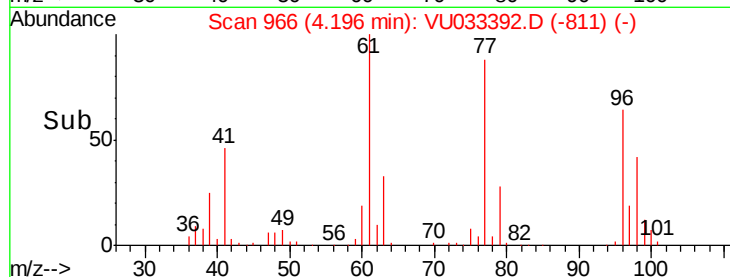
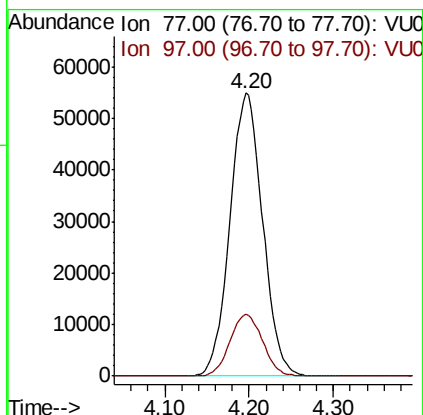
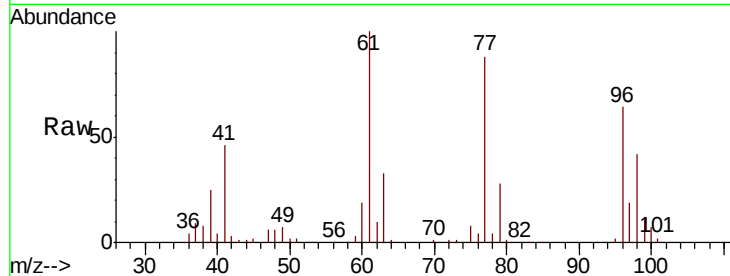




#21
 2,2-Dichloropropane
 Concen: 10.284 ug/l
 RT: 4.20 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VU033392.D
 Acq: 24 Jul 2019 18:41

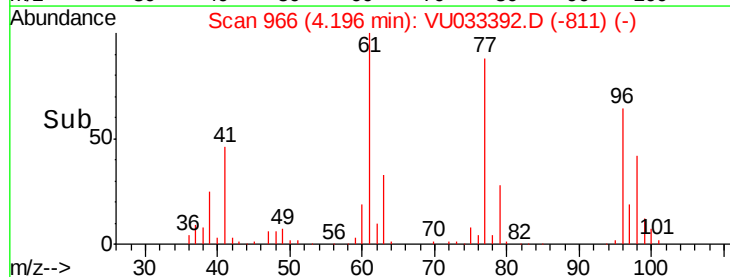
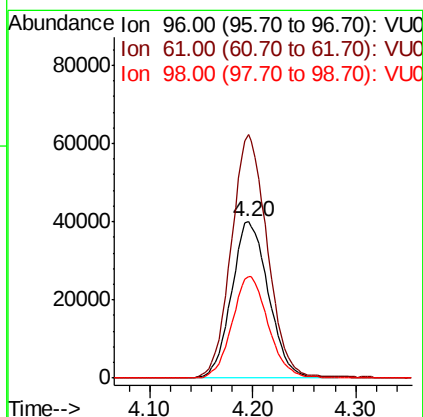
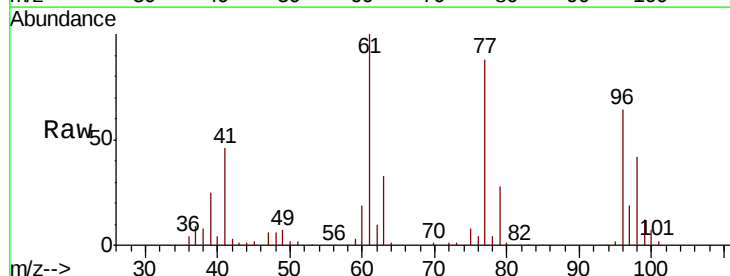
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

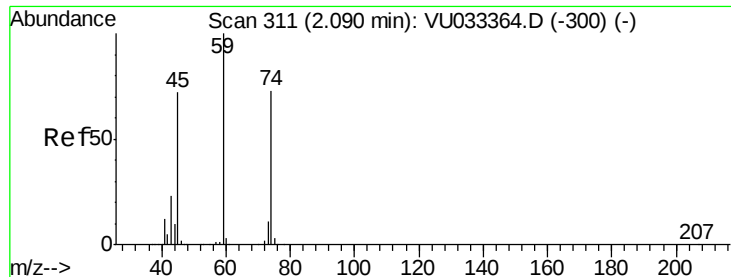
Tgt Ion: 77 Resp: 147948
 Ion Ratio Lower Upper
 77 100
 97 21.8 17.8 26.8



#22
 cis-1,2-Dichloroethene
 Concen: 10.431 ug/l
 RT: 4.20 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VU033392.D
 Acq: 24 Jul 2019 18:41

Tgt Ion: 96 Resp: 100008
 Ion Ratio Lower Upper
 96 100
 61 151.2 0.0 376.3
 98 63.6 31.9 95.9





#23

Diethyl Ether

Concen: 9.276 ug/l

RT: 2.09 min Scan# 311

Delta R.T. -0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

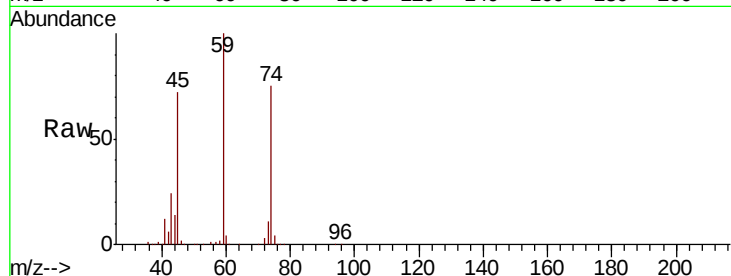
Tgt Ion: 59 Resp: 85180

Ion Ratio Lower Upper

59 100

45 71.3 57.6 86.4

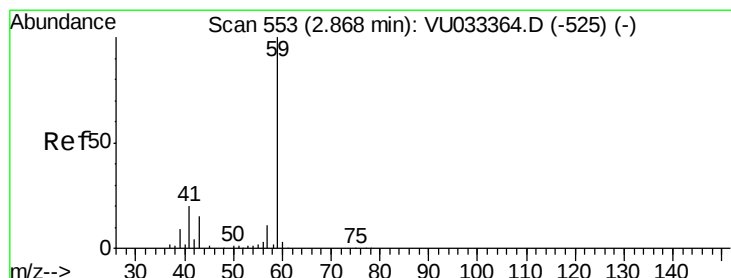
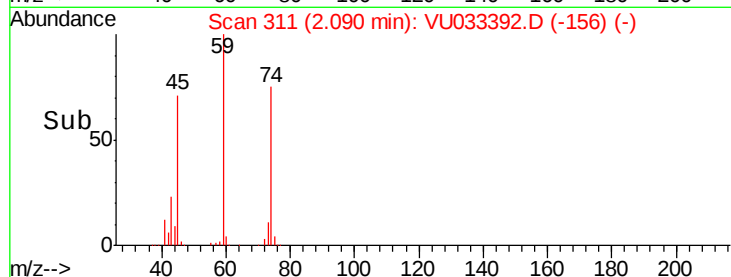
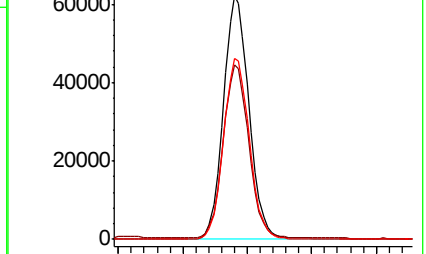
74 75.1 57.8 86.6



Abundance Ion 59.00 (58.70 to 59.70): VU033392.D (-156) (-)

Ion 45.00 (44.70 to 45.70): VU033392.D (-156) (-)

Ion 74.00 (73.70 to 74.70): VU033392.D (-156) (-)



#24

tert-Butyl Alcohol

Concen: 81.832 ug/l

RT: 2.82 min Scan# 537

Delta R.T. -0.05 min

Lab File: VU033392.D

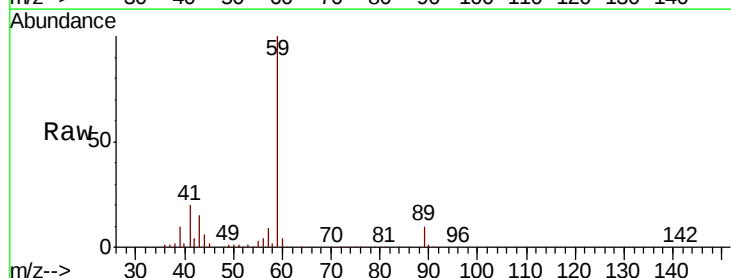
Acq: 24 Jul 2019 18:41

Tgt Ion: 59 Resp: 93016

Ion Ratio Lower Upper

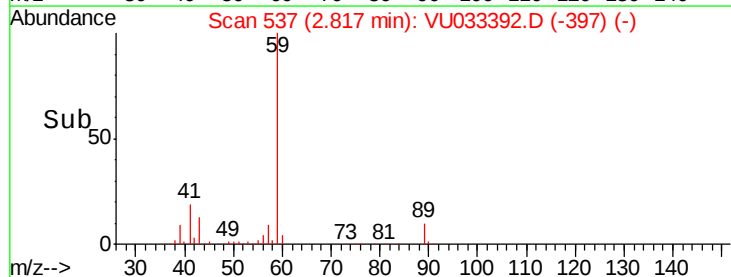
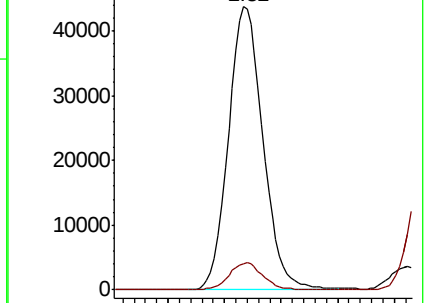
59 100

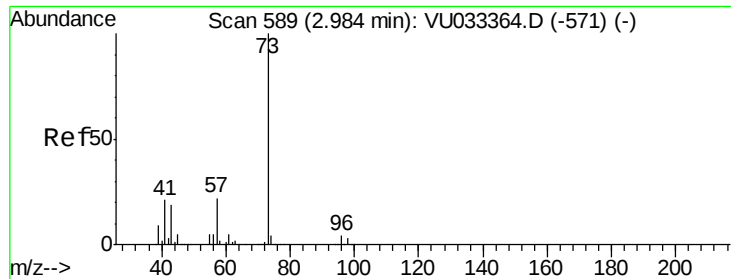
57 9.5 7.8 11.8



Abundance Ion 59.00 (58.70 to 59.70): VU033392.D (-397) (-)

Ion 57.00 (56.70 to 57.70): VU033392.D (-397) (-)





#25

Methyl tert-Butyl Ether

Concen: 9.400 ug/l

RT: 2.98 min Scan# 589

Delta R.T. -0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

Instrument :

MSVOA_U

ClientSampleId :

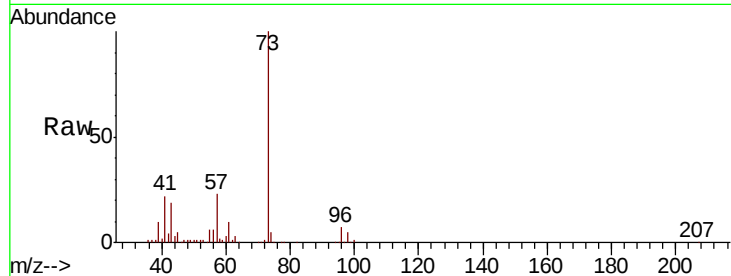
VSTDCCC010EC

Tgt Ion: 73 Resp: 288331

Ion Ratio Lower Upper

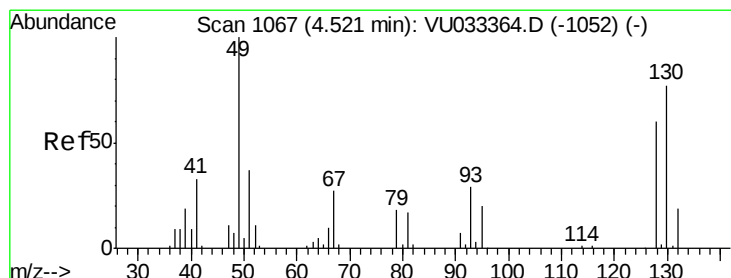
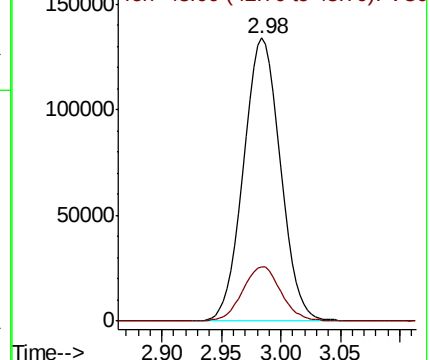
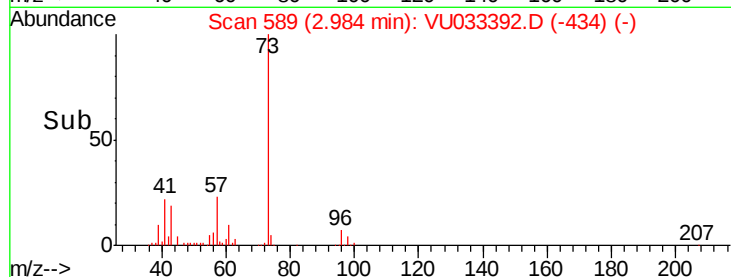
73 100

43 19.6 16.6 24.8



Abundance Ion 73.00 (72.70 to 73.70): VU033392.D (-434) (-)

Ion 43.00 (42.70 to 43.70): VU033392.D (-434) (-)



#26

Bromochloromethane

Concen: 10.244 ug/l

RT: 4.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

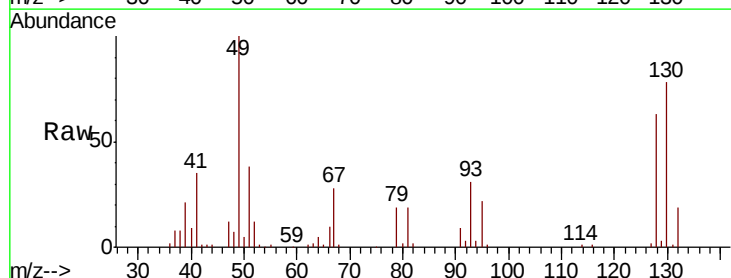
Tgt Ion: 128 Resp: 43188

Ion Ratio Lower Upper

128 100

49 160.7 0.0 333.4

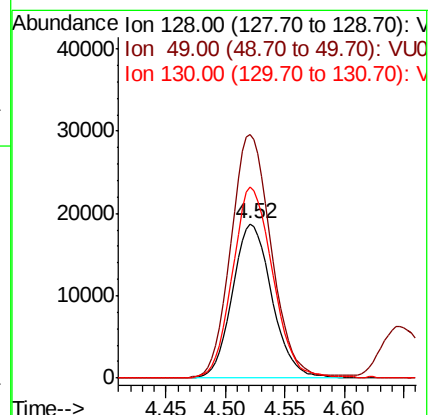
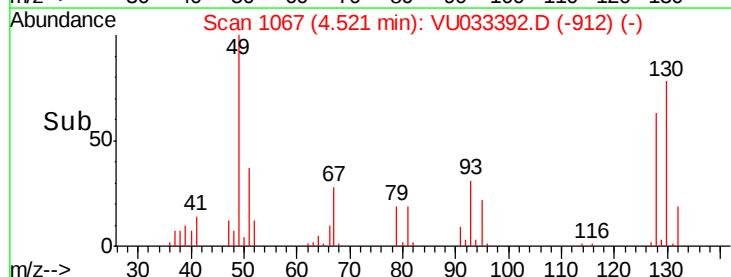
130 126.5 103.4 155.2

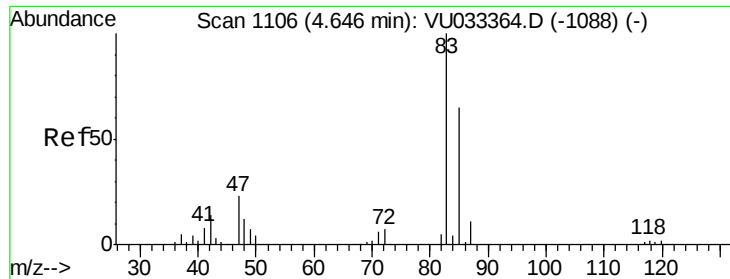


Abundance Ion 128.00 (127.70 to 128.70): VU033392.D (-912) (-)

Ion 49.00 (48.70 to 49.70): VU033392.D (-912) (-)

Ion 130.00 (129.70 to 130.70): VU033392.D (-912) (-)

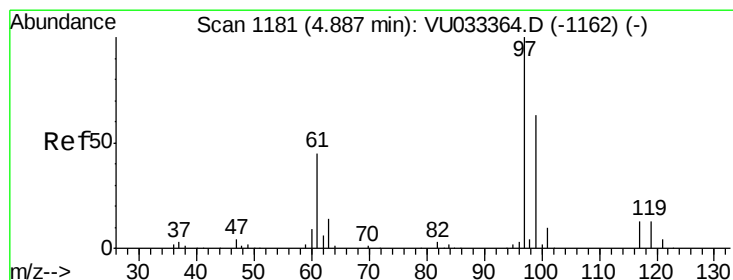
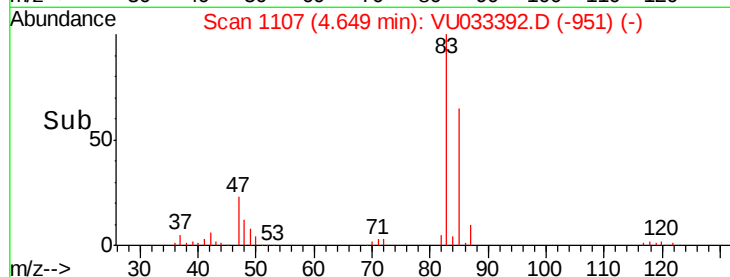
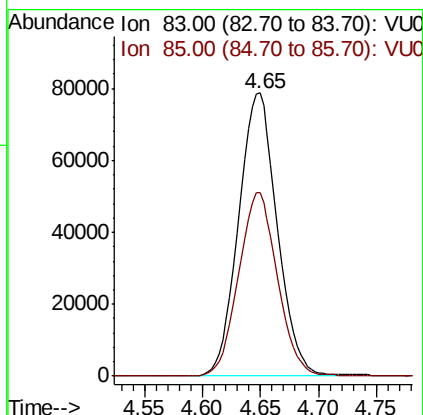
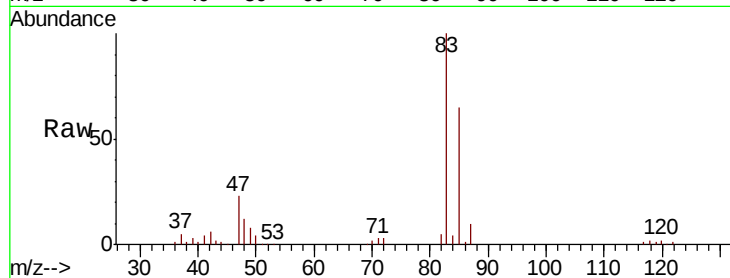




#27
Chloroform
Concen: 9.398 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

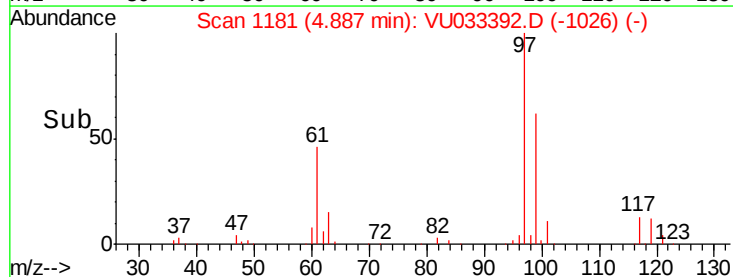
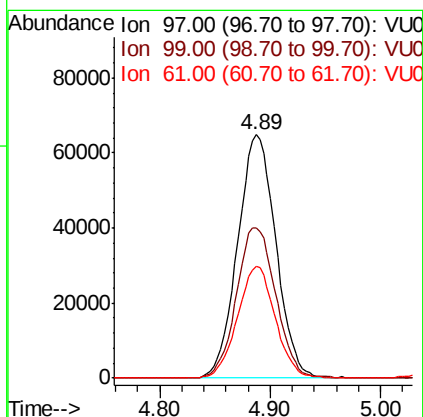
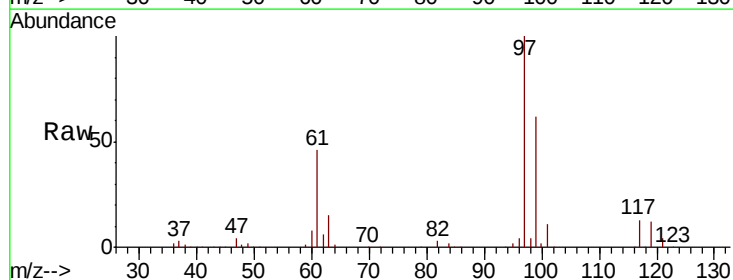
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

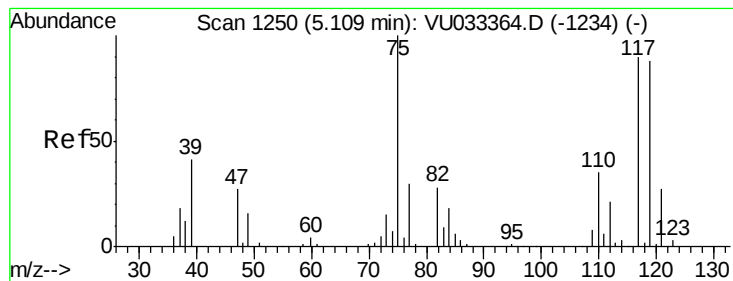
Tgt Ion: 83 Resp: 182353
Ion Ratio Lower Upper
83 100
85 64.7 0.0 129.8



#28
1,1,1-Trichloroethane
Concen: 10.391 ug/l
RT: 4.89 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

Tgt Ion: 97 Resp: 156110
Ion Ratio Lower Upper
97 100
99 63.2 31.9 95.5
61 45.4 22.7 68.0





#29

1,1-Dichloropropene

Concen: 10.654 ug/l

RT: 5.11 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

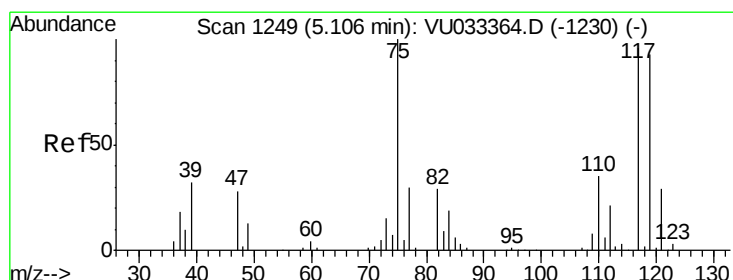
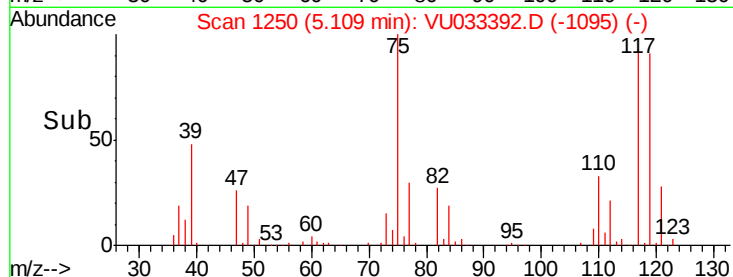
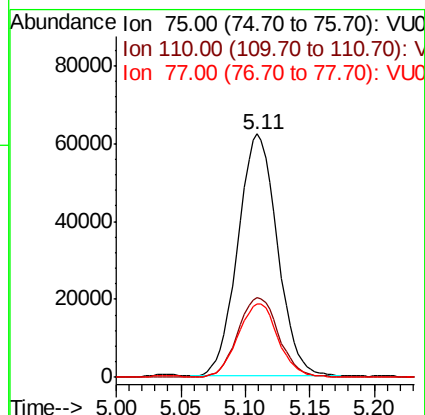
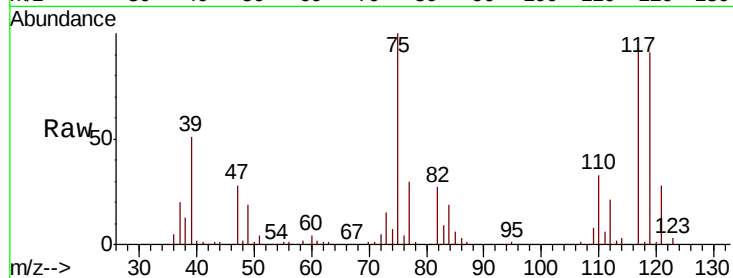
Tgt Ion: 75 Resp: 132014

Ion Ratio Lower Upper

75 100

110 34.4 17.5 52.6

77 30.4 25.1 37.7



#30

Carbon Tetrachloride

Concen: 10.367 ug/l

RT: 5.11 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

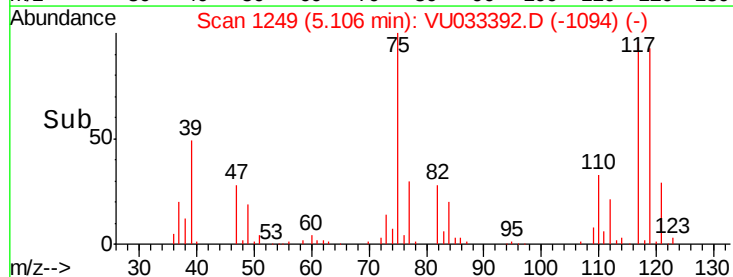
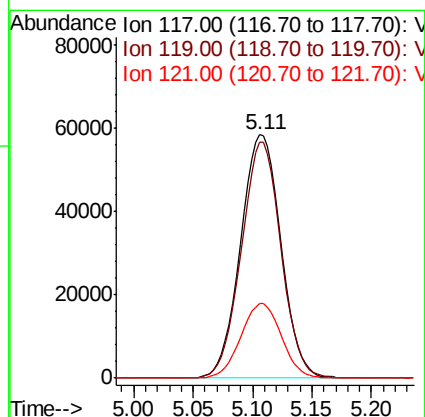
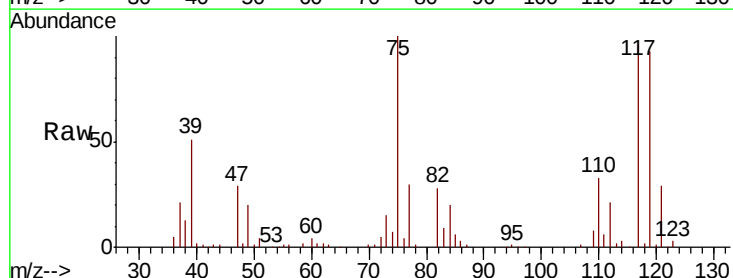
Tgt Ion: 117 Resp: 137071

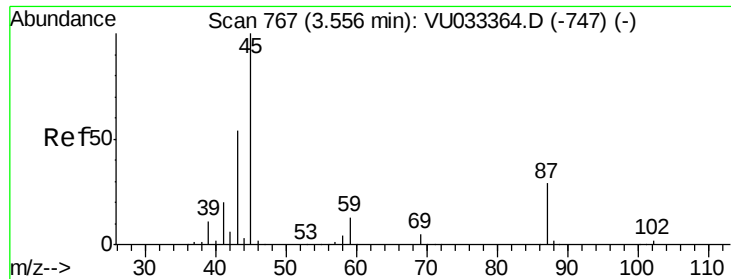
Ion Ratio Lower Upper

117 100

119 97.0 77.9 116.9

121 30.5 24.0 36.0





#31

Isopropyl Ether

Concen: 10.277 ug/l

RT: 3.56 min Scan# 767

Delta R.T. -0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

Instrument :

MSVOA_U

ClientSampleId :

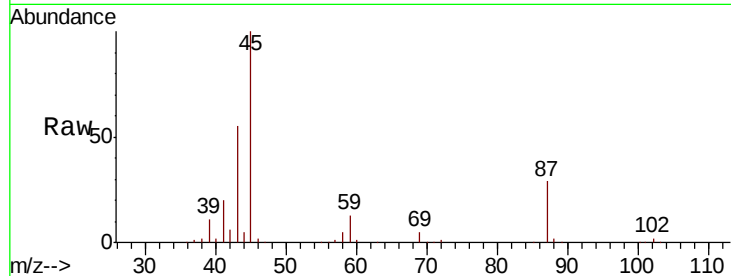
VSTDCCC010EC

Tgt Ion: 45 Resp: 220543

Ion Ratio Lower Upper

45 100

43 57.1 27.8 83.3



Abundance Ion 45.00 (44.70 to 45.70): VU033392.D (-612) (-)

Ion 43.00 (42.70 to 43.70): VU033392.D (-612) (-)

3.56

80000

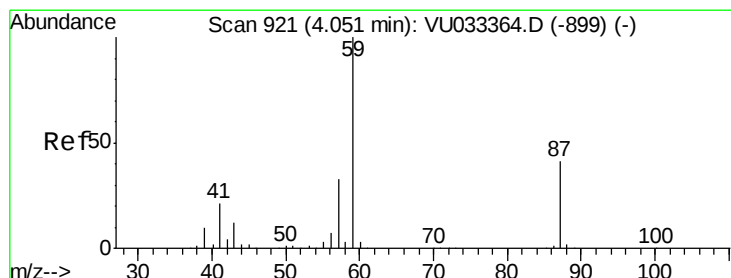
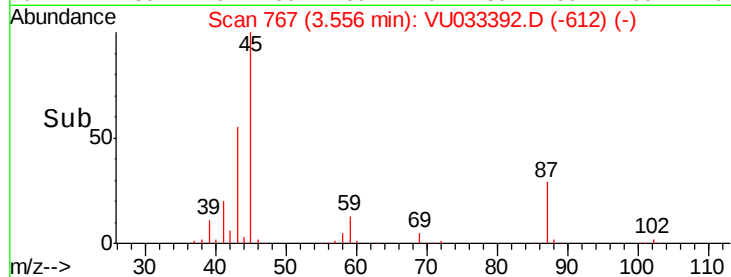
60000

40000

20000

0

Time-->



#32

Ethyl-t-butyl ether

Concen: 10.104 ug/l

RT: 4.05 min Scan# 921

Delta R.T. -0.00 min

Lab File: VU033392.D

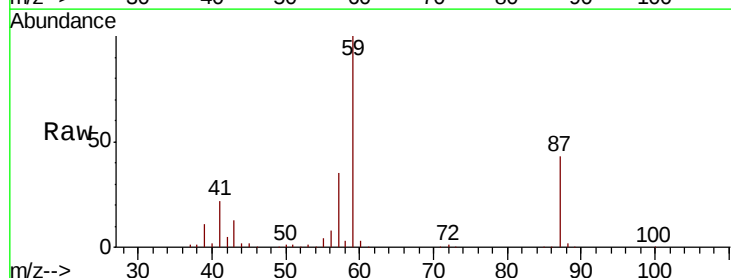
Acq: 24 Jul 2019 18:41

Tgt Ion: 59 Resp: 208449

Ion Ratio Lower Upper

59 100

87 41.9 33.8 50.6



Abundance Ion 59.00 (58.70 to 59.70): VU033392.D (-766) (-)

Ion 87.00 (86.70 to 87.70): VU033392.D (-766) (-)

4.05

80000

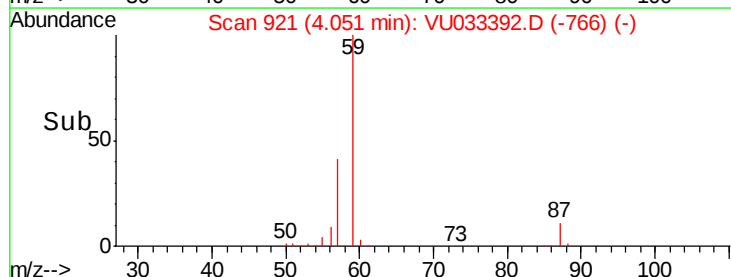
60000

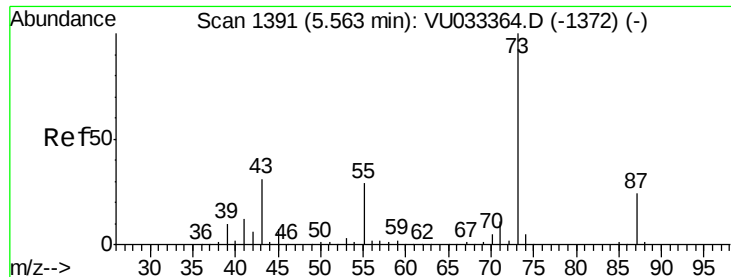
40000

20000

0

Time-->

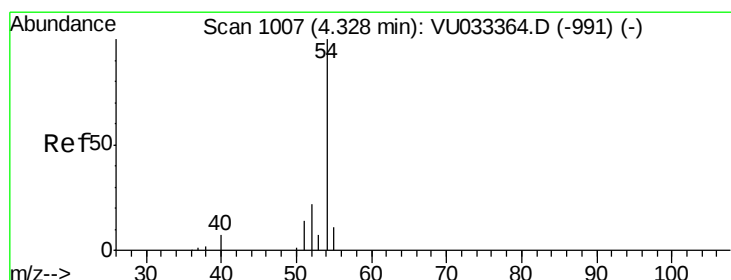
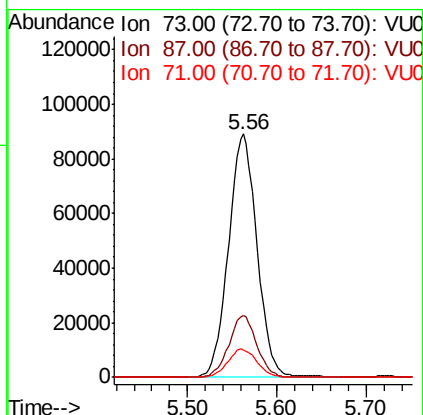
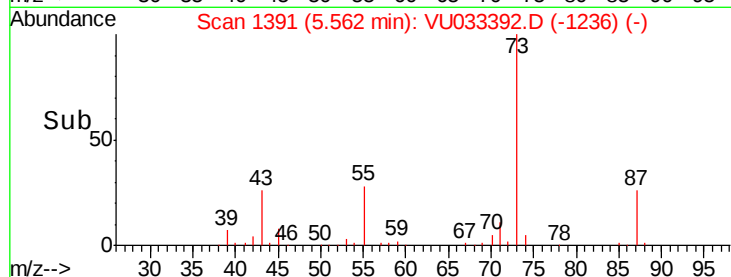
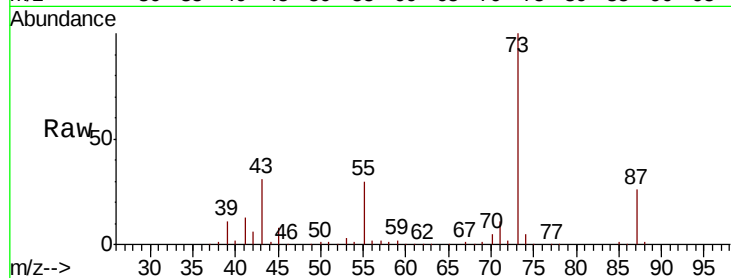




#33
Tert-Amyl methyl ether
Concen: 10.543 ug/l
RT: 5.56 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

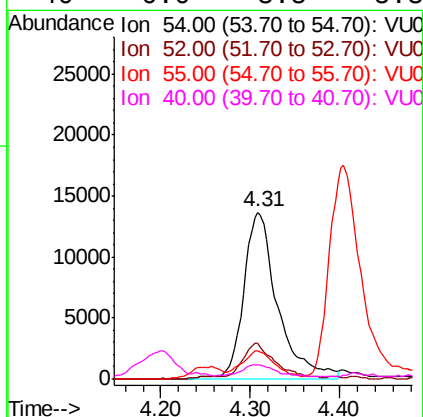
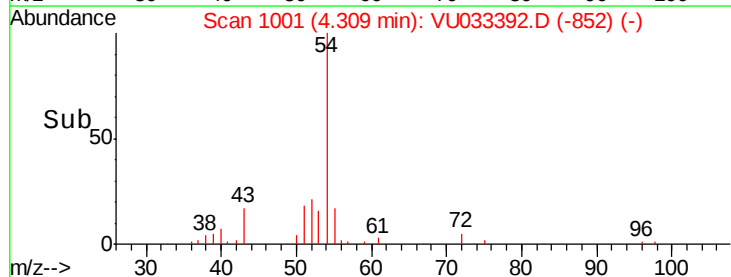
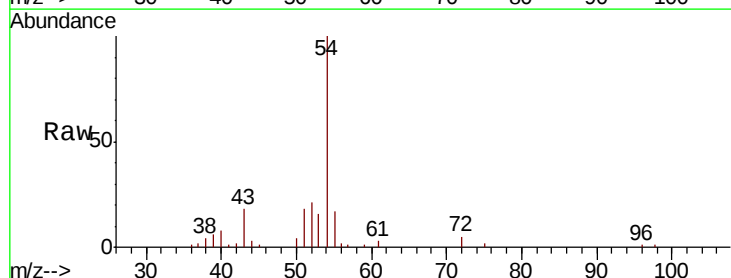
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

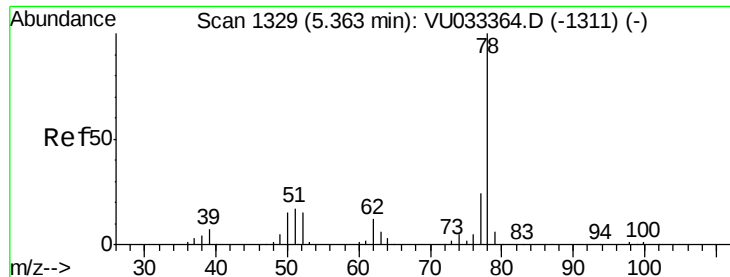
Tgt Ion: 73 Resp: 195594
Ion Ratio Lower Upper
73 100
87 24.7 18.9 28.3
71 12.0 9.3 13.9



#34
Propionitrile
Concen: 52.114 ug/l
RT: 4.31 min Scan# 1001
Delta R.T. -0.02 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

Tgt Ion: 54 Resp: 36202
Ion Ratio Lower Upper
54 100
52 19.2 17.1 25.7
55 13.4 11.6 17.4
40 6.0 3.5 5.3#





#35

Benzene

Concen: 10.625 ug/l

RT: 5.36 min Scan# 1329

Delta R.T. -0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

Instrument :

MSVOA_U

ClientSampleId :

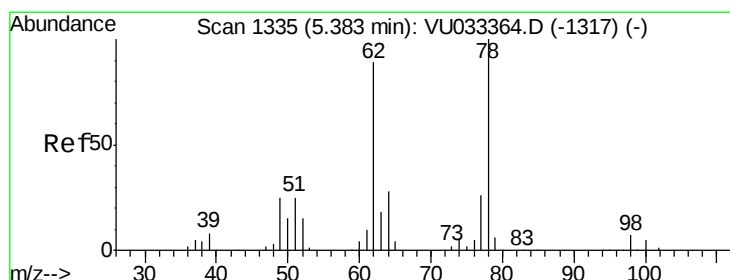
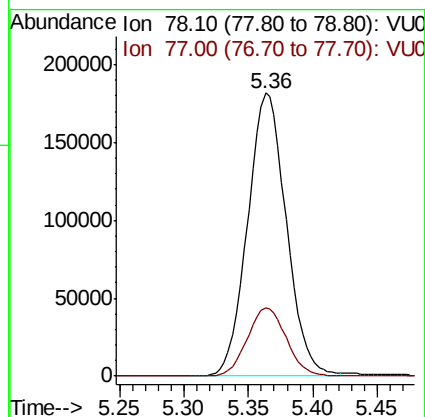
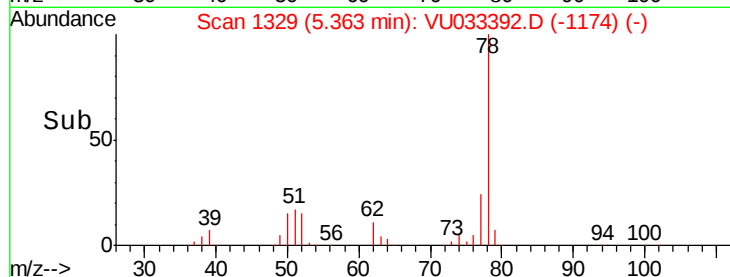
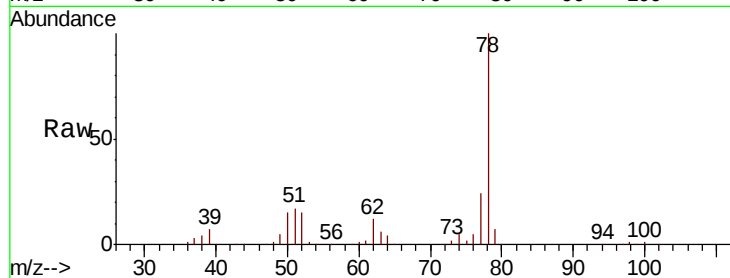
VSTDCCC010EC

Tgt Ion: 78 Resp: 380398

Ion Ratio Lower Upper

78 100

77 24.2 19.4 29.2



#36

1,2-Dichloroethane

Concen: 10.234 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU033392.D

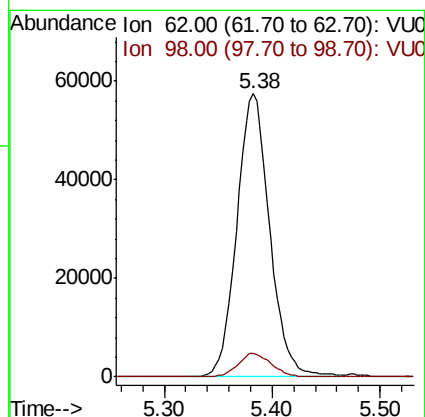
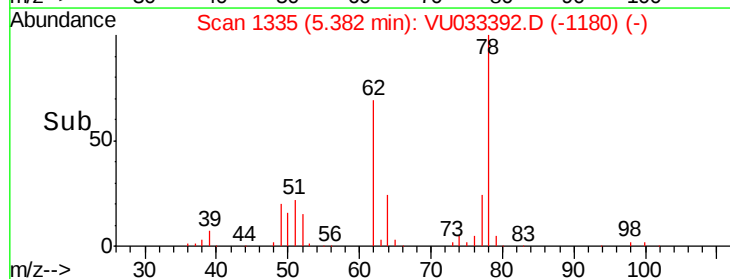
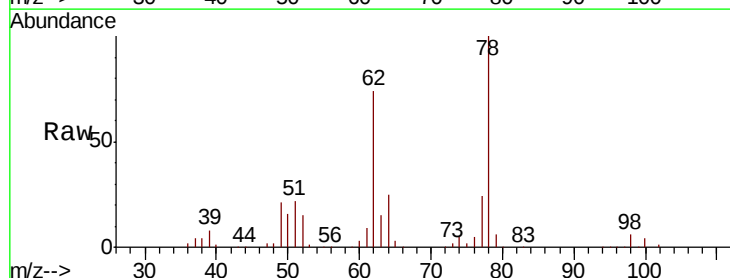
Acq: 24 Jul 2019 18:41

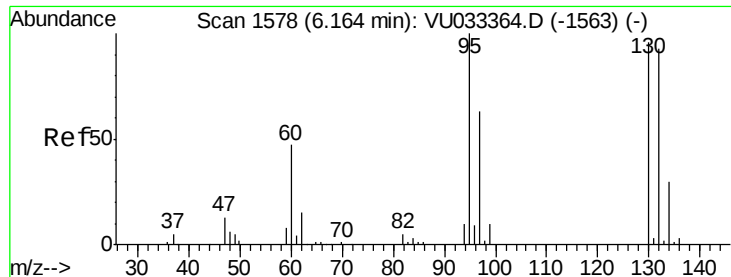
Tgt Ion: 62 Resp: 121936

Ion Ratio Lower Upper

62 100

98 8.4 6.5 9.7

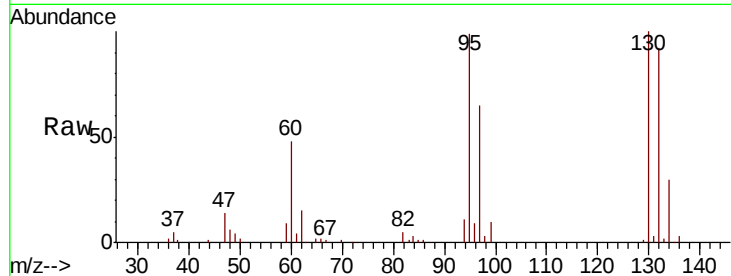




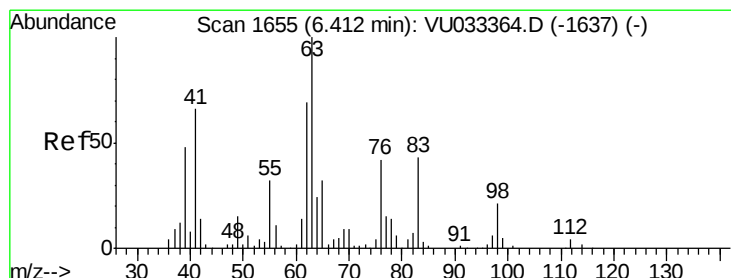
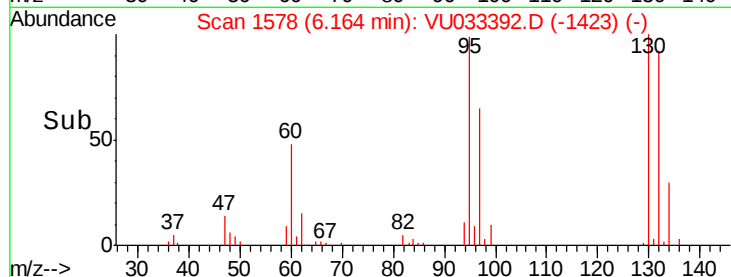
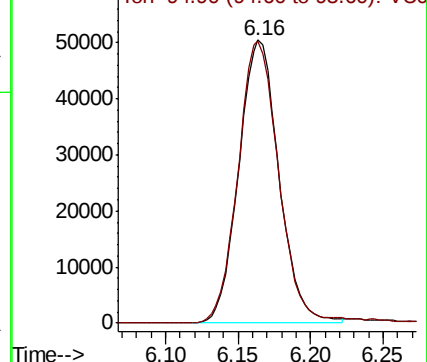
#37
 Trichloroethene
 Concen: 10.274 ug/l
 RT: 6.16 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: VU033392.D
 Acq: 24 Jul 2019 18:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:130 Resp: 97081
 Ion Ratio Lower Upper
 130 100
 95 99.4 83.4 125.0

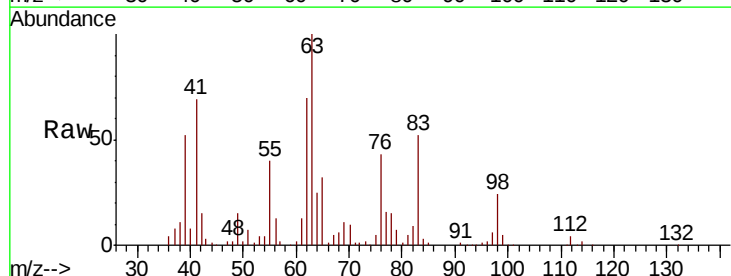


Abundance Ion 129.90 (129.60 to 130.60): VU033364.D (-1563) (-)
 Ion 94.90 (94.60 to 95.60): VU033392.D (-1423) (-)

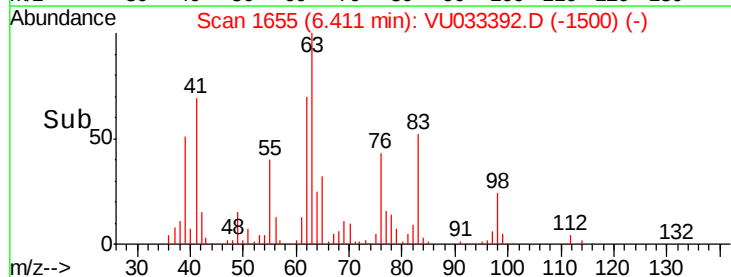
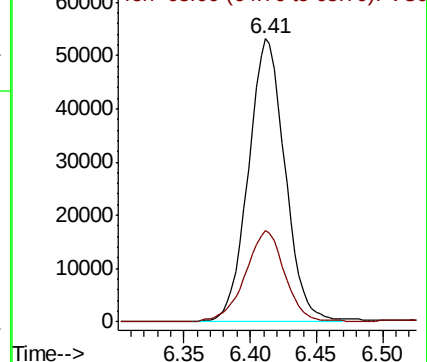


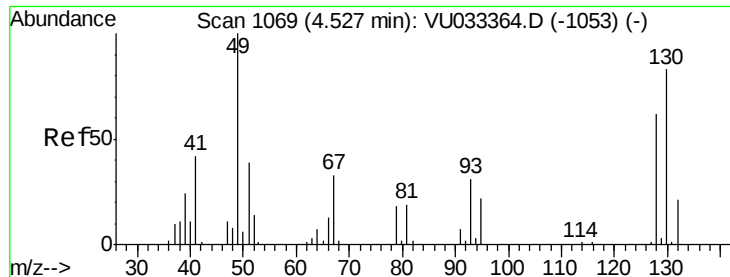
#38
 1,2-Dichloropropane
 Concen: 10.362 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU033392.D
 Acq: 24 Jul 2019 18:41

Tgt Ion: 63 Resp: 102355
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.7 38.5



Abundance Ion 63.00 (62.70 to 63.70): VU033364.D (-1637) (-)
 Ion 65.00 (64.70 to 65.70): VU033392.D (-1500) (-)

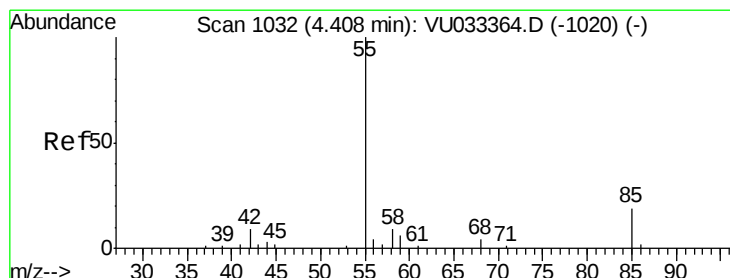
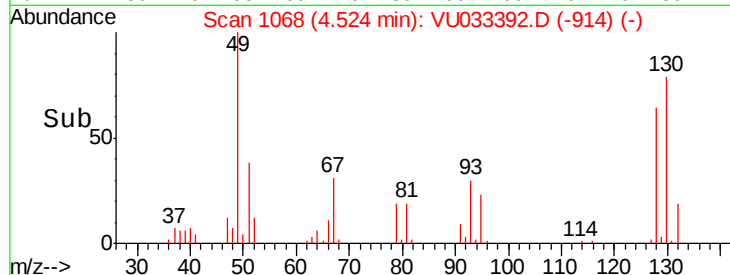
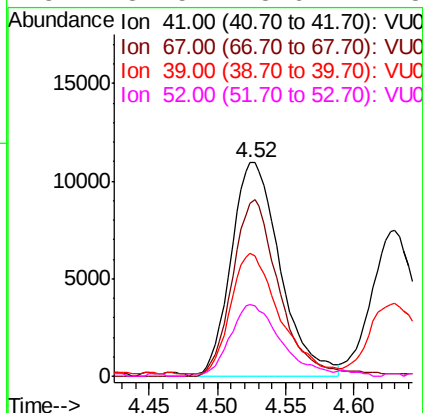
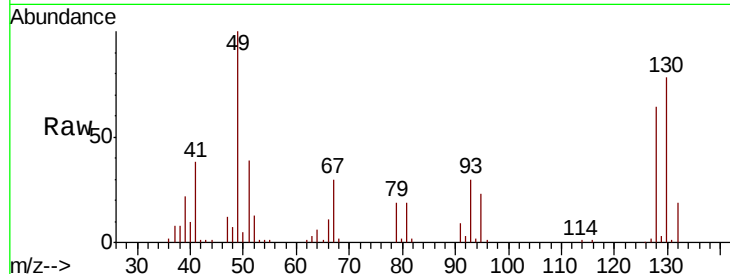




#39
Methacrylonitrile
Concen: 9.947 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

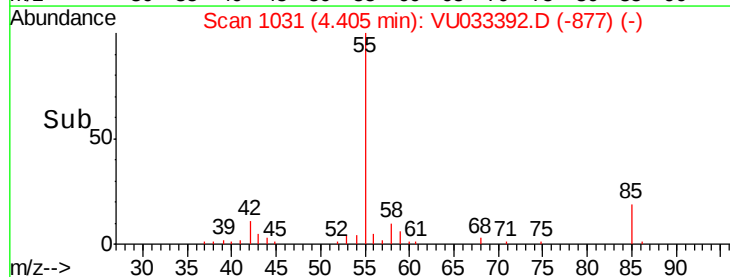
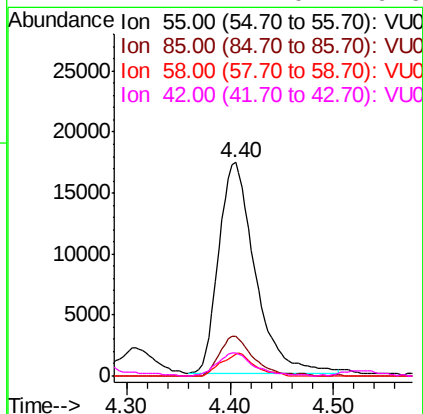
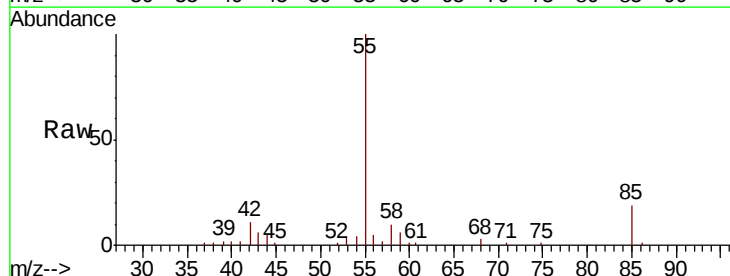
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

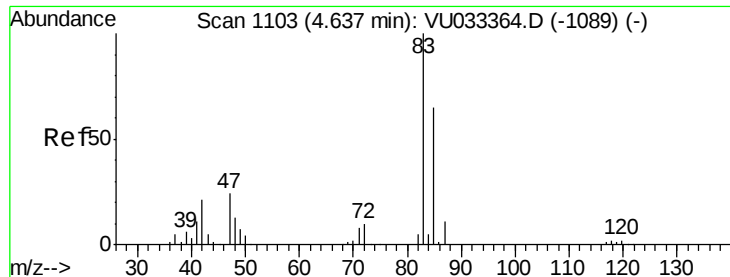
Tgt Ion:	41	Resp:	27428
Ion	Ratio	Lower	Upper
41	100		
67	78.8	64.4	96.6
39	55.5	46.8	70.2
52	34.5	28.6	42.8



#40
Methyl acrylate
Concen: 9.849 ug/l
RT: 4.40 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

Tgt Ion:	55	Resp:	42253
Ion	Ratio	Lower	Upper
55	100		
85	17.3	14.8	22.2
58	9.8	7.1	10.7
42	11.1	7.0	10.6#

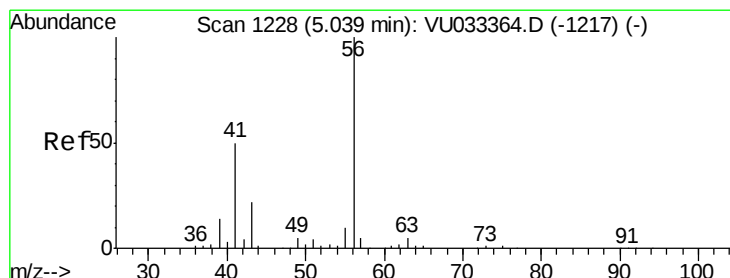
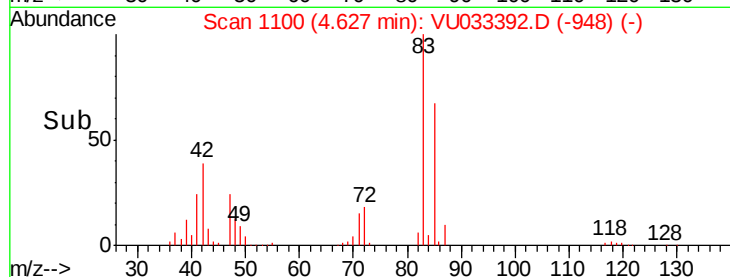
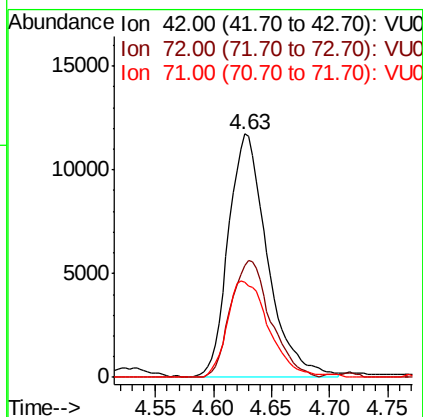
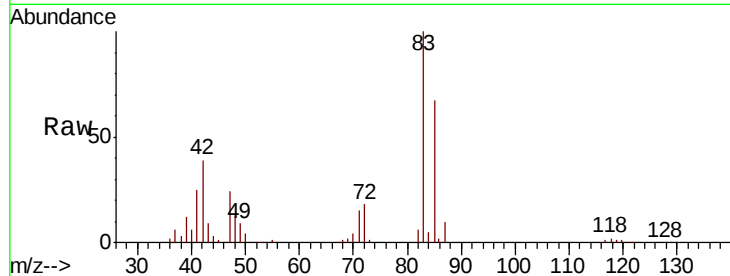




#41
Tetrahydrofuran
Concen: 19.922 ug/l
RT: 4.63 min Scan# 1100
Delta R.T. -0.01 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

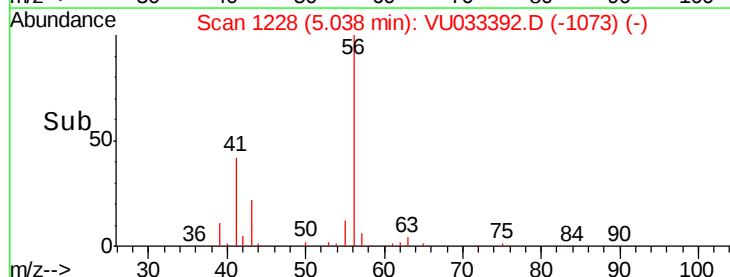
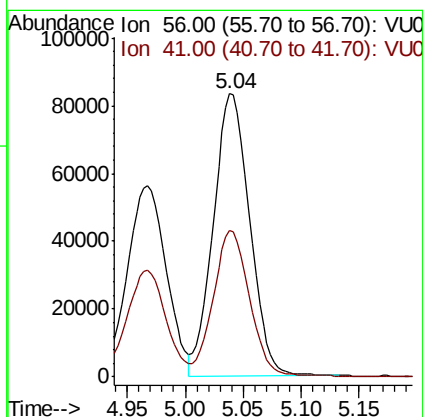
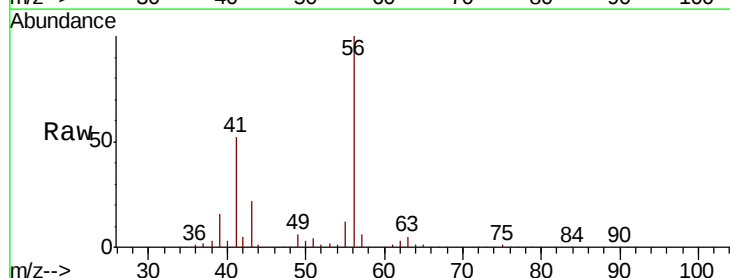
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

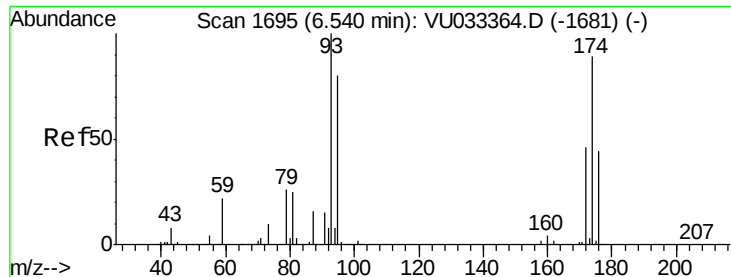
Tgt Ion: 42 Resp: 27546
Ion Ratio Lower Upper
42 100
72 48.8 38.7 58.1
71 42.1 34.6 52.0



#42
1-Chlorobutane
Concen: 10.958 ug/l
RT: 5.04 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

Tgt Ion: 56 Resp: 182058
Ion Ratio Lower Upper
56 100
41 50.6 25.7 77.1





#43

Dibromomethane

Concen: 10.231 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

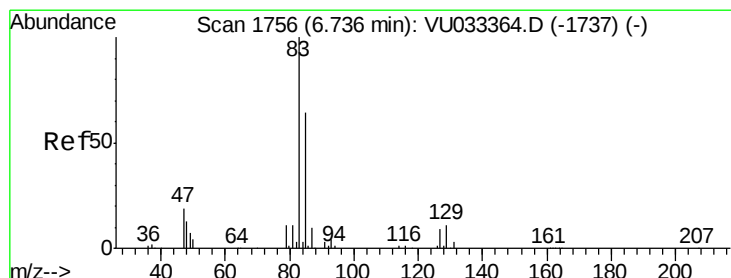
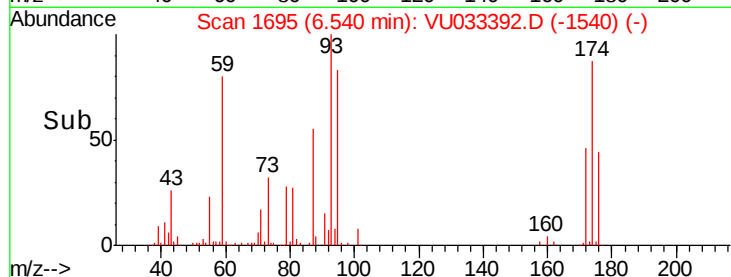
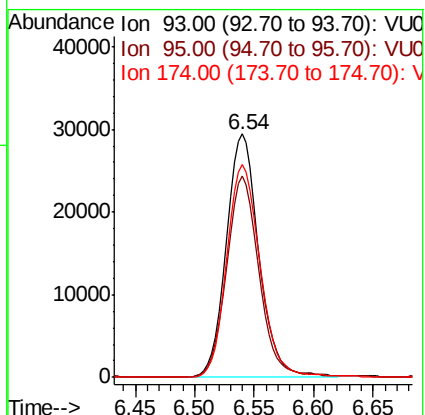
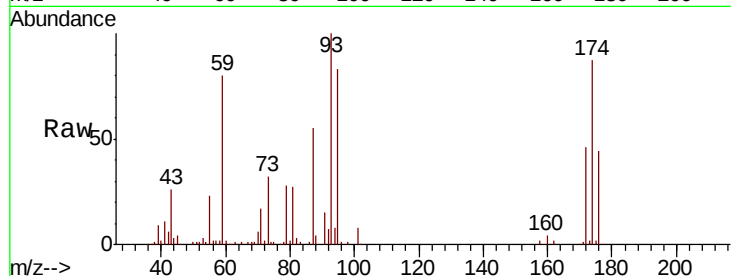
Tgt Ion: 93 Resp: 55946

Ion Ratio Lower Upper

93 100

95 81.7 65.3 97.9

174 89.6 70.7 106.1



#44

Bromodichloromethane

Concen: 10.244 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

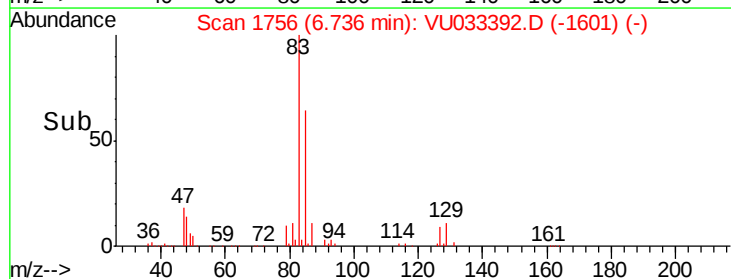
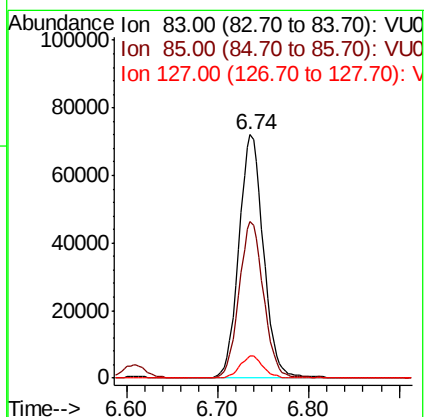
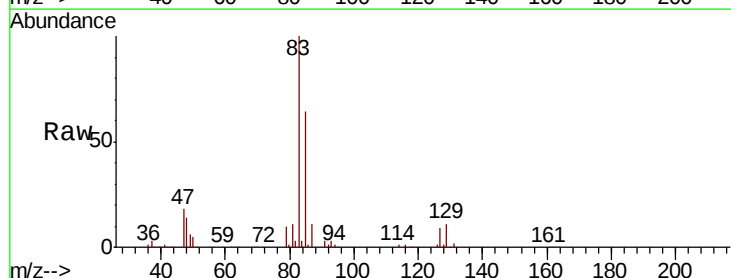
Tgt Ion: 83 Resp: 135063

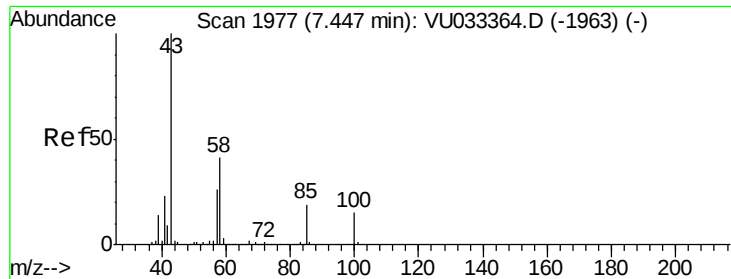
Ion Ratio Lower Upper

83 100

85 64.5 51.1 76.7

127 9.1 7.2 10.8

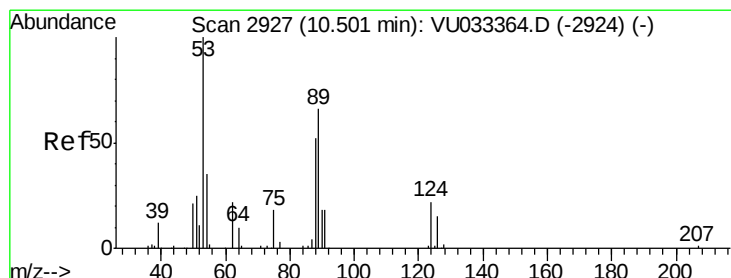
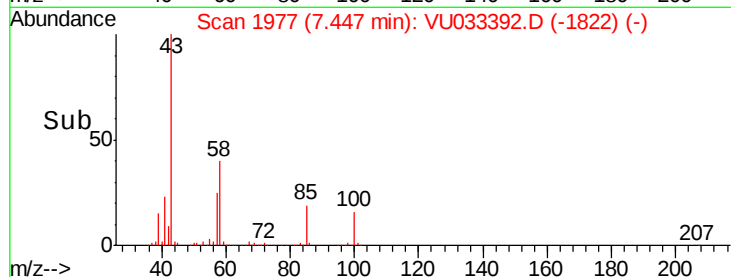
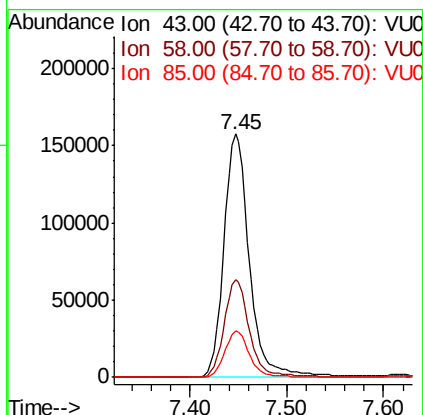
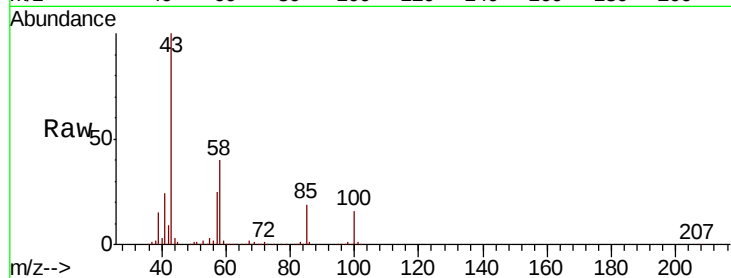




#45
 4-Methyl-2-Pentanone
 Concen: 51.637 ug/l
 RT: 7.45 min Scan# 1977
 Delta R.T. -0.00 min
 Lab File: VU033392.D
 Acq: 24 Jul 2019 18:41

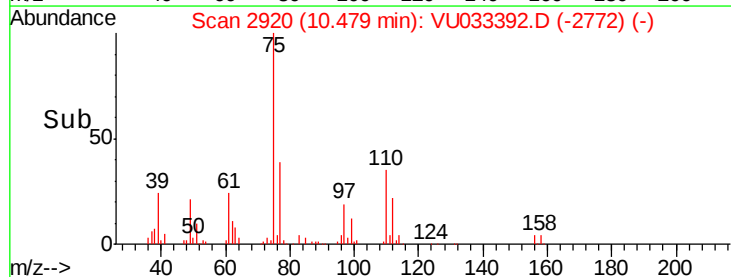
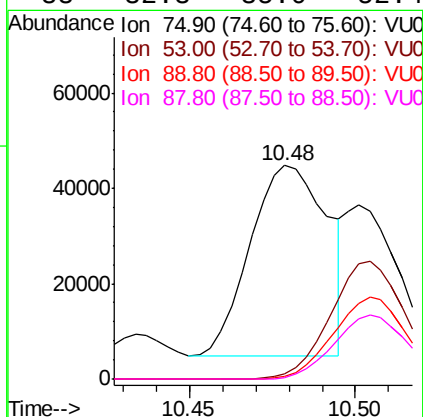
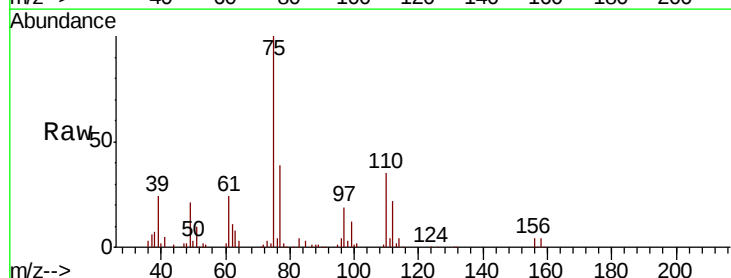
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

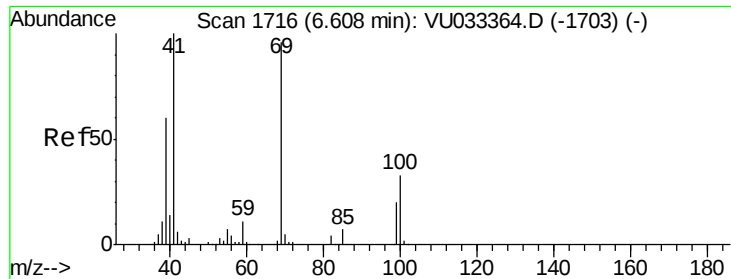
Tgt Ion: 43 Resp: 287994
 Ion Ratio Lower Upper
 43 100
 58 40.2 20.3 60.8
 85 18.4 15.0 22.6



#46
 t-1,4-Dichloro-2-butene
 Concen: 28.811 ug/l
 RT: 10.48 min Scan# 2920
 Delta R.T. -0.02 min
 Lab File: VU033392.D
 Acq: 24 Jul 2019 18:41

Tgt Ion: 75 Resp: 64849
 Ion Ratio Lower Upper
 75 100
 53 60.2 62.9 94.3#
 89 41.1 43.0 64.4#
 88 32.3 35.0 52.4#

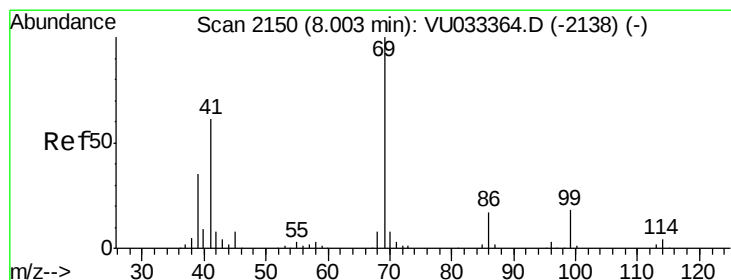
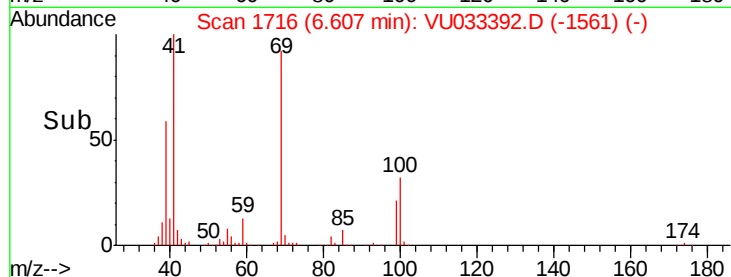
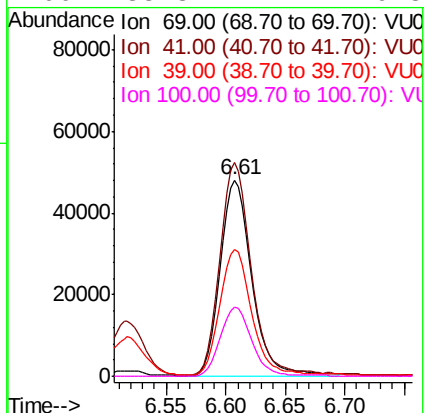
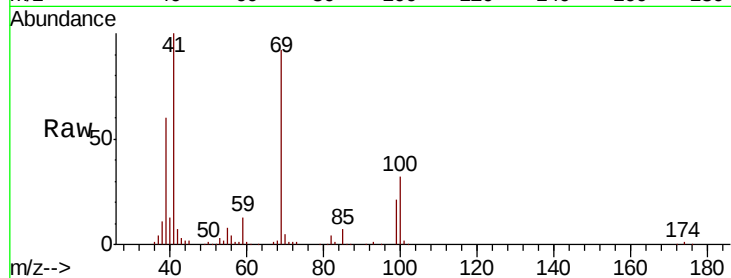




#47
Methyl methacrylate
Concen: 21.349 ug/l
RT: 6.61 min Scan# 1716
Delta R.T. -0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

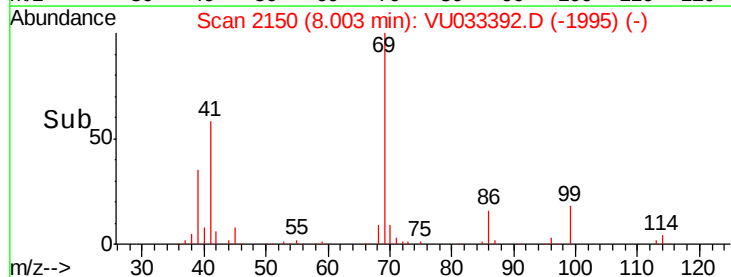
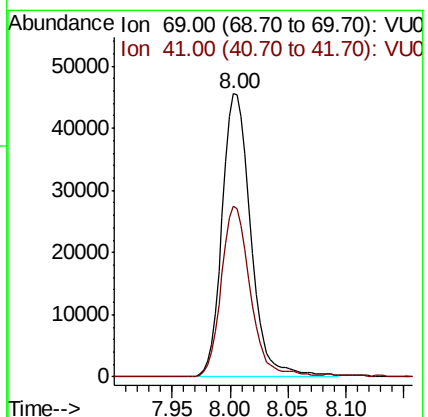
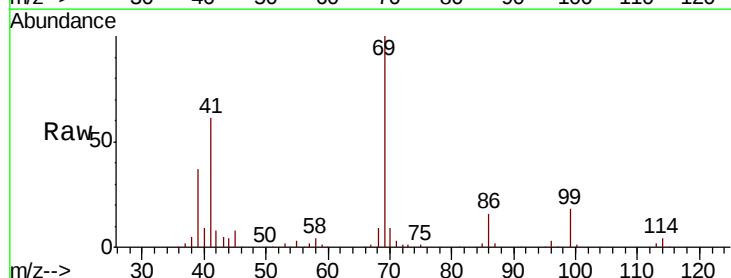
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

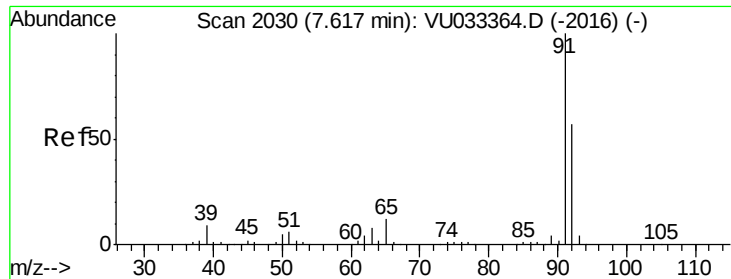
Tgt Ion: 69 Resp: 88983
Ion Ratio Lower Upper
69 100
41 107.5 0.0 208.2
39 63.0 50.6 75.8
100 35.3 27.2 40.8



#48
Ethyl methacrylate
Concen: 10.658 ug/l
RT: 8.00 min Scan# 2150
Delta R.T. -0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

Tgt Ion: 69 Resp: 78298
Ion Ratio Lower Upper
69 100
41 60.9 30.9 92.7





#49

Toluene

Concen: 11.717 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

Instrument :

MSVOA_U

ClientSampleId :

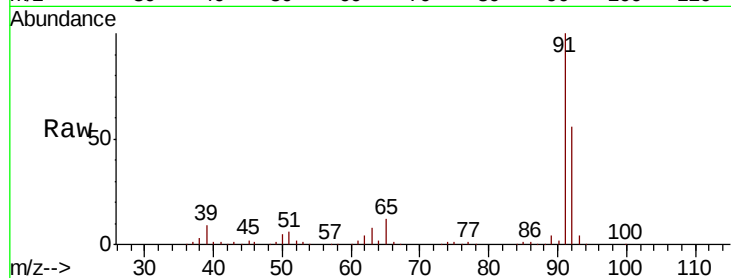
VSTDCCC010EC

Tgt Ion: 92 Resp: 240300

Ion Ratio Lower Upper

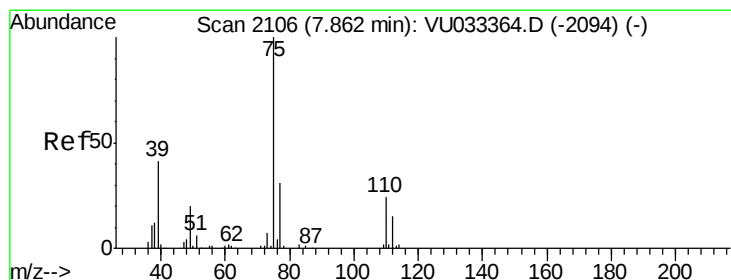
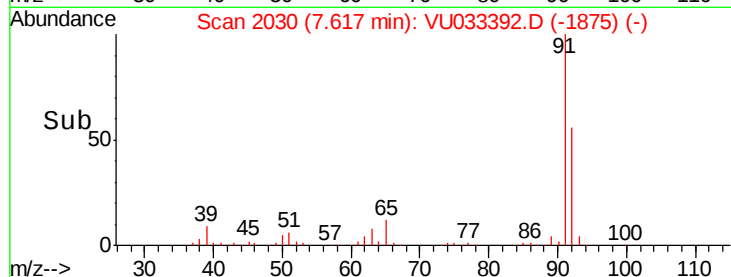
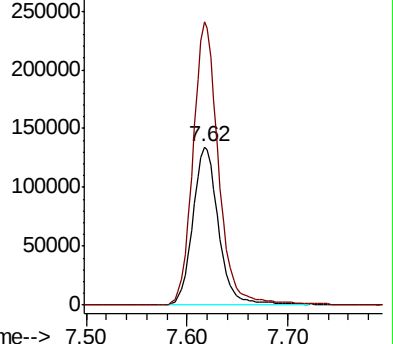
92 100

91 177.9 142.1 213.1



Abundance Ion 92.00 (91.70 to 92.70): VU033392.D (-1875) (-)

Ion 91.00 (90.70 to 91.70): VU033392.D (-1875) (-)



#50

t-1,3-Dichloropropene

Concen: 10.668 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU033392.D

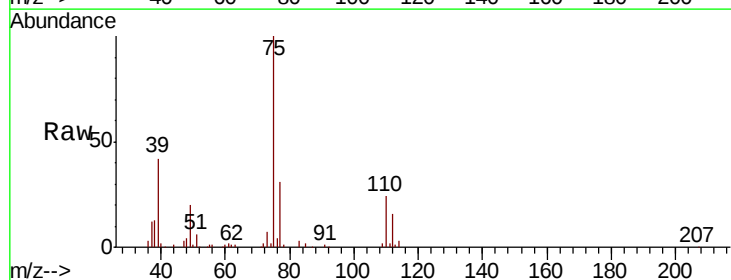
Acq: 24 Jul 2019 18:41

Tgt Ion: 75 Resp: 117327

Ion Ratio Lower Upper

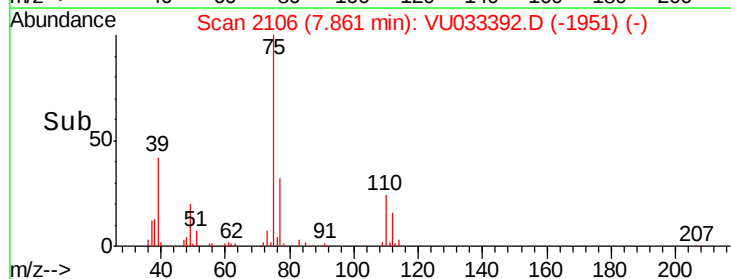
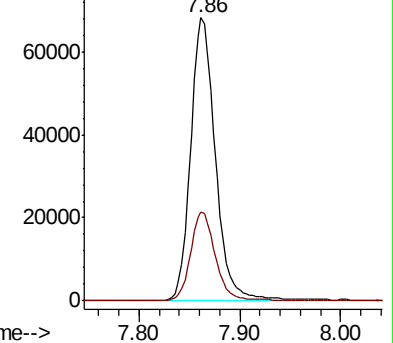
75 100

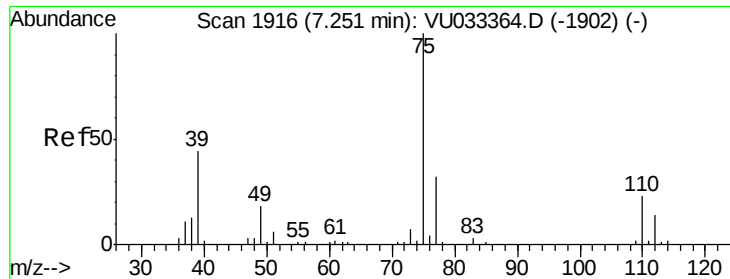
77 31.5 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VU033392.D (-1951) (-)

Ion 77.00 (76.70 to 77.70): VU033392.D (-1951) (-)

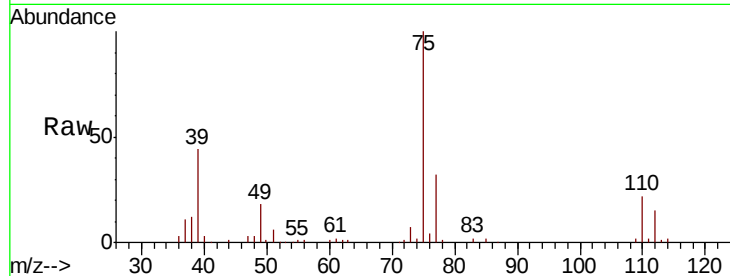




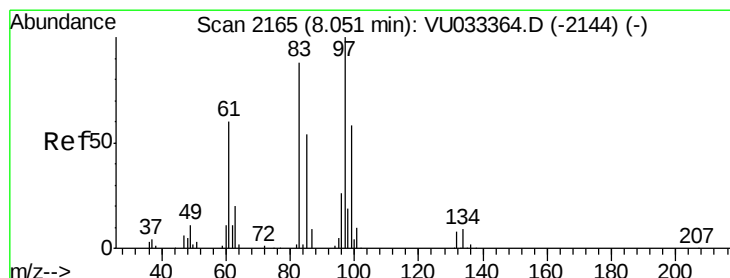
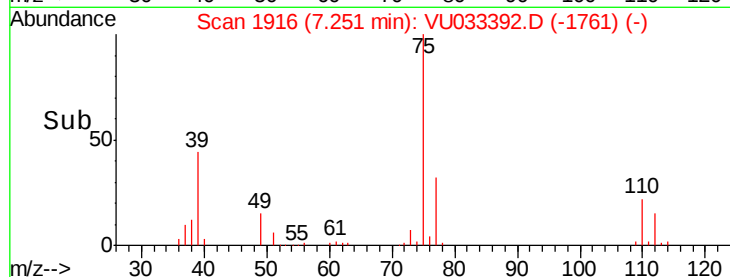
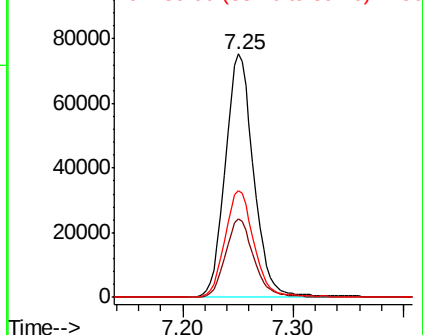
#51
 cis-1,3-Dichloropropene
 Concen: 10.348 ug/l
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VU033392.D
 Acq: 24 Jul 2019 18:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 75 Resp: 134370
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.8 38.8
 39 43.8 35.2 52.8

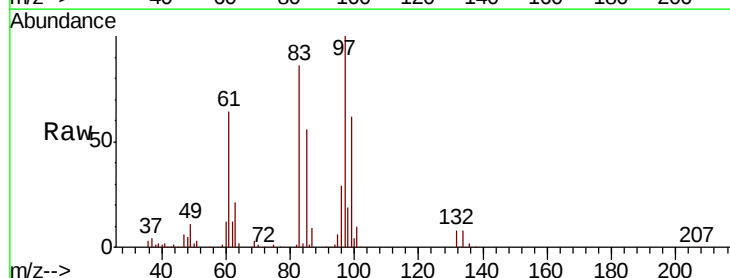


Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0

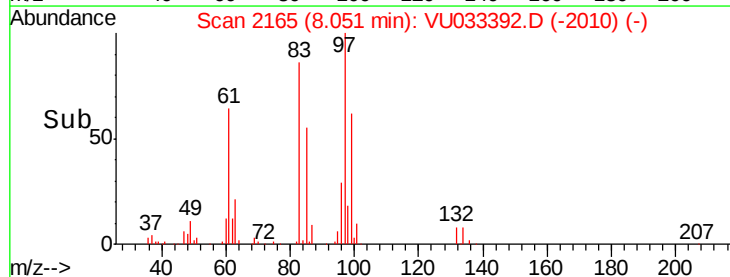
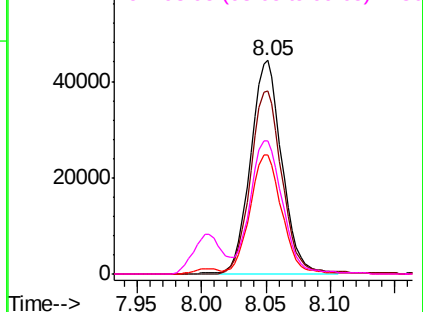


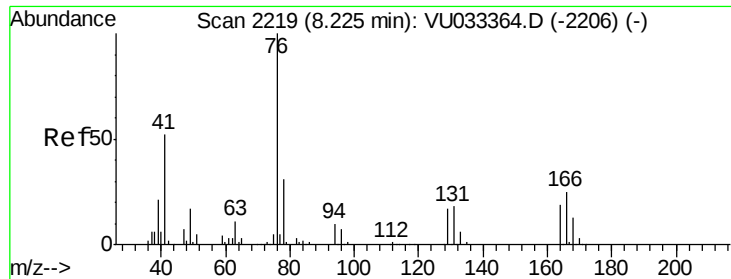
#52
 1,1,2-Trichloroethane
 Concen: 10.336 ug/l
 RT: 8.05 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VU033392.D
 Acq: 24 Jul 2019 18:41

Tgt Ion: 97 Resp: 75542
 Ion Ratio Lower Upper
 97 100
 83 85.9 70.2 105.2
 85 55.2 43.5 65.3
 99 61.4 47.9 71.9



Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 84.95 (84.65 to 85.65): VU0
 Ion 98.95 (98.65 to 99.65): VU0

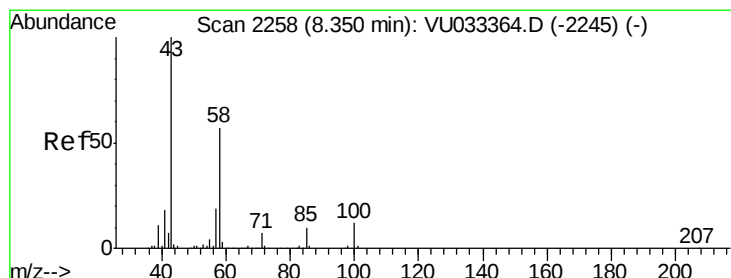
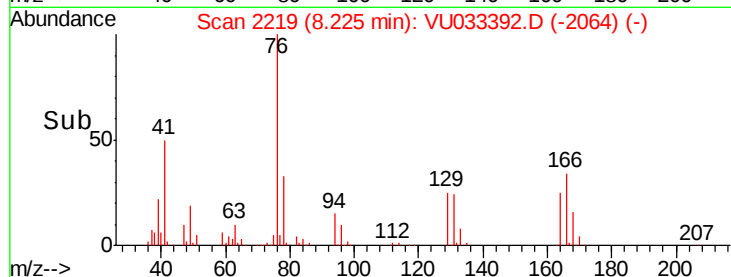
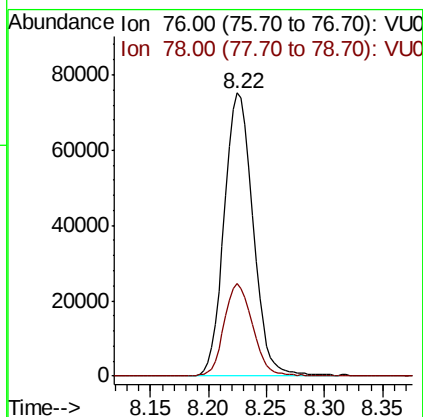
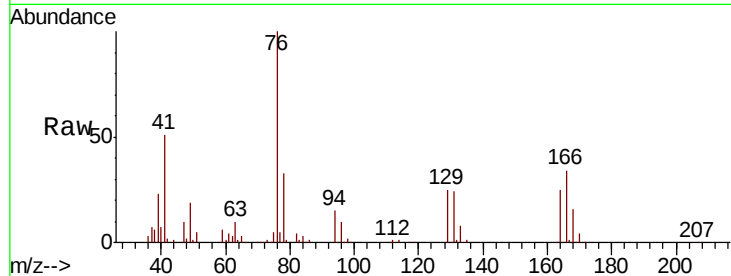




#53
 1,3-Dichloropropane
 Concen: 10.507 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: VU033392.D
 Acq: 24 Jul 2019 18:41

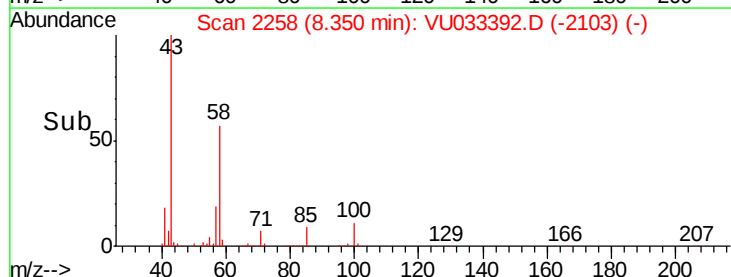
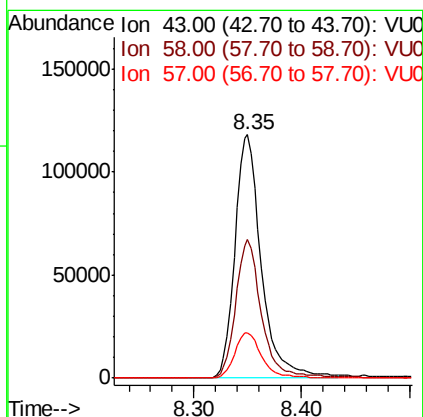
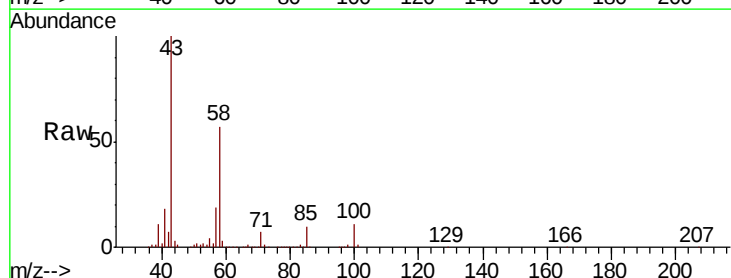
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

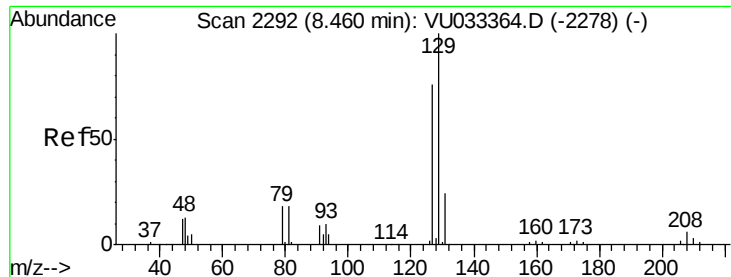
Tgt Ion: 76 Resp: 129762
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.7 38.5



#54
 2-Hexanone
 Concen: 51.465 ug/l
 RT: 8.35 min Scan# 2258
 Delta R.T. -0.00 min
 Lab File: VU033392.D
 Acq: 24 Jul 2019 18:41

Tgt Ion: 43 Resp: 202053
 Ion Ratio Lower Upper
 43 100
 58 55.5 36.0 76.0
 57 19.0 0.0 39.4





#55

Dibromochloromethane

Concen: 10.663 ug/l

RT: 8.46 min Scan# 2292

Delta R.T. -0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

Instrument :

MSVOA_U

ClientSampleId :

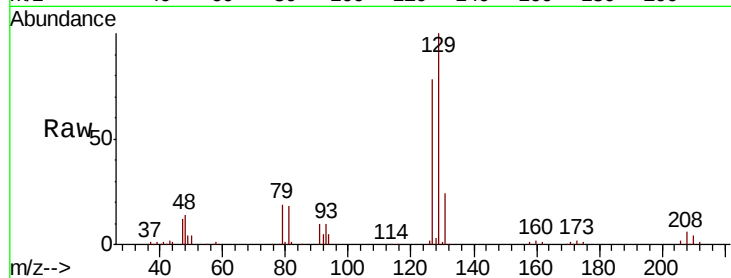
VSTDCCC010EC

Tgt Ion:129 Resp: 91029

Ion Ratio Lower Upper

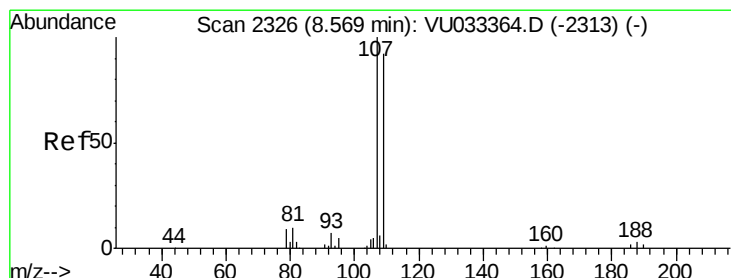
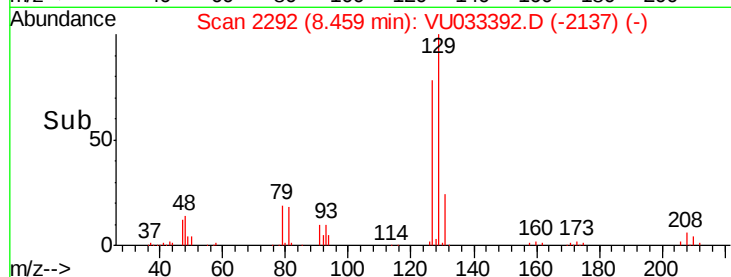
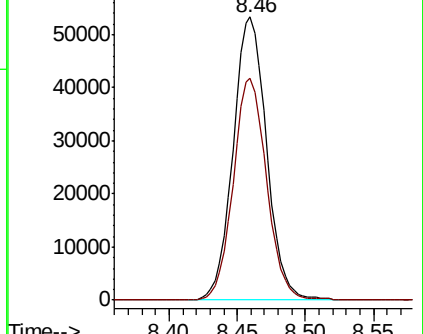
129 100

127 78.0 60.9 91.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 10.173 ug/l

RT: 8.57 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VU033392.D

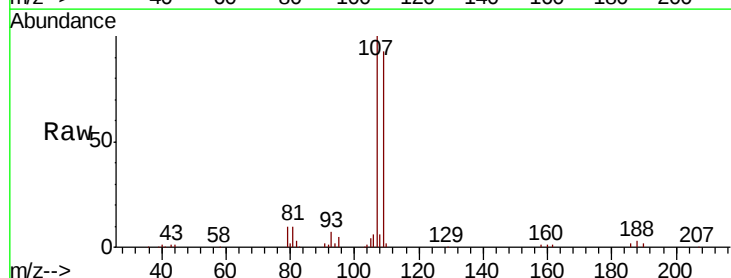
Acq: 24 Jul 2019 18:41

Tgt Ion:107 Resp: 69304

Ion Ratio Lower Upper

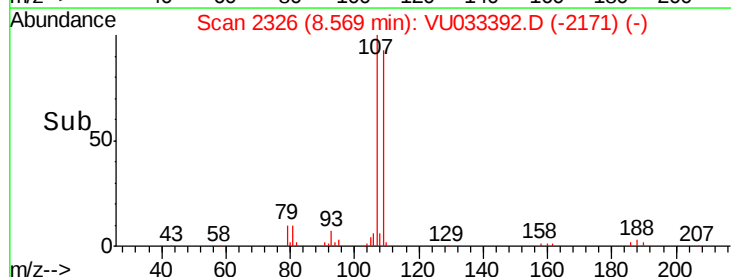
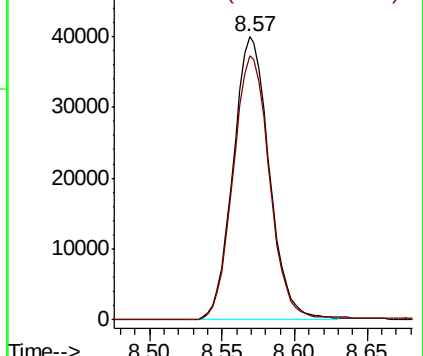
107 100

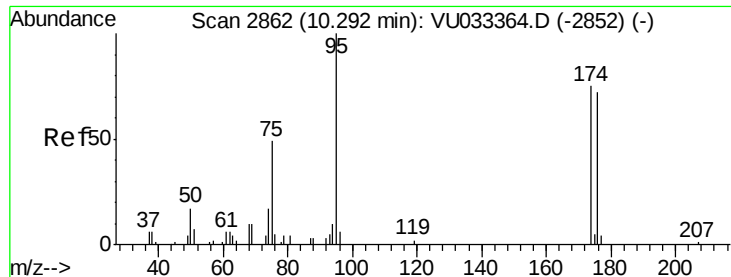
109 94.6 0.0 184.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

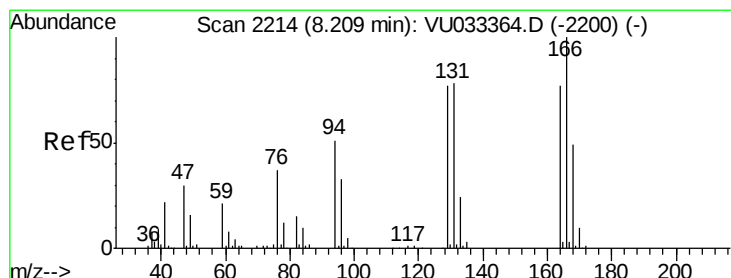
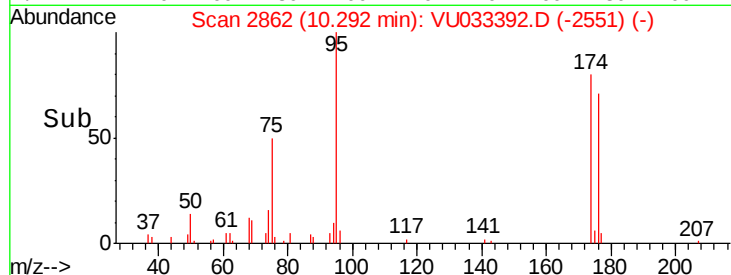
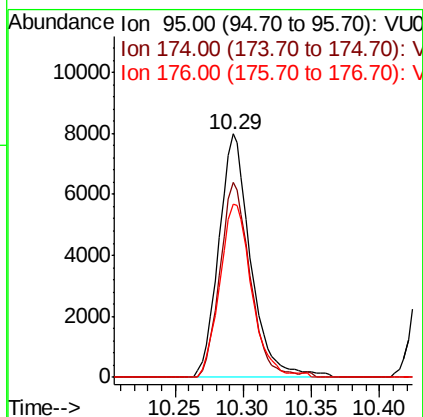
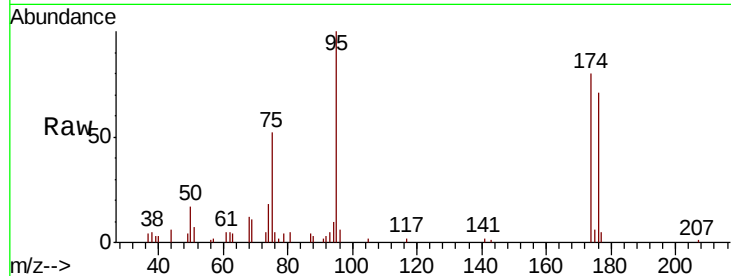




#57
4-Bromofluorobenzene
Concen: 1.101 ug/l
RT: 10.29 min Scan# 2862
Delta R.T. -0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

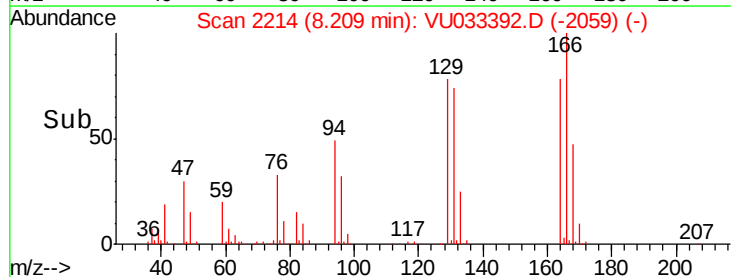
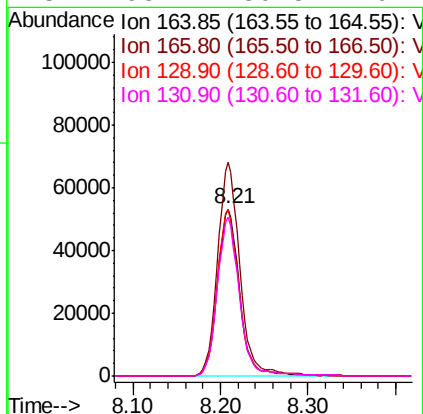
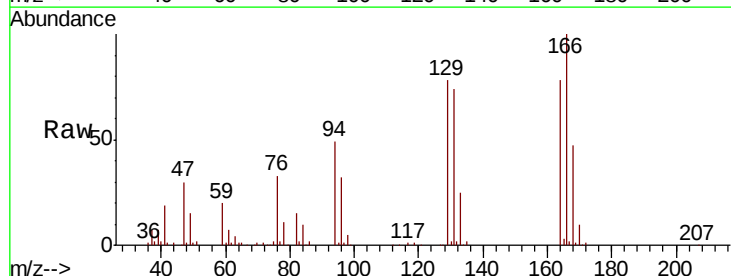
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

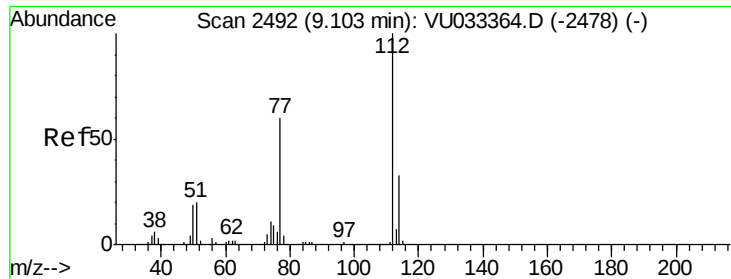
Tgt Ion: 95 Resp: 12958
Ion Ratio Lower Upper
95 100
174 75.4 58.8 88.2
176 71.4 54.4 81.6



#58
Tetrachloroethene
Concen: 10.931 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

Tgt Ion: 164 Resp: 93665
Ion Ratio Lower Upper
164 100
166 128.0 103.8 155.6
129 99.5 79.7 119.5
131 95.4 80.5 120.7

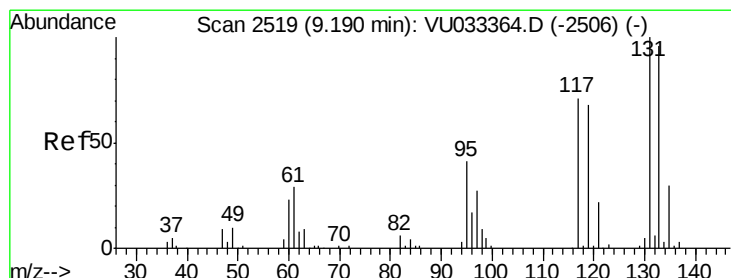
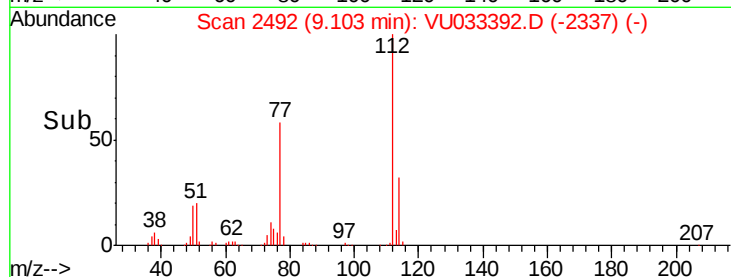
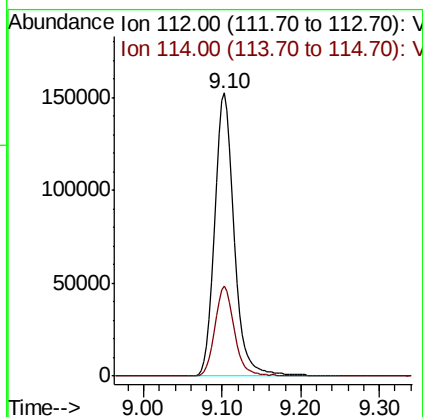
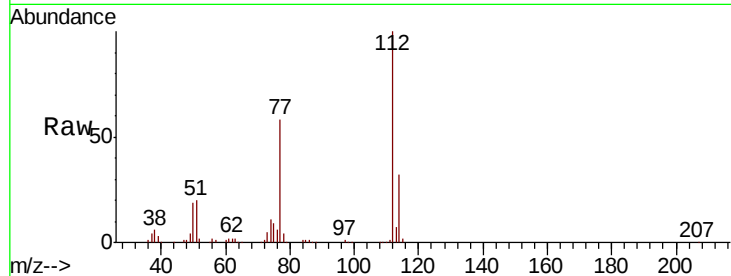




#59
Chlorobenzene
Concen: 11.105 ug/l
RT: 9.10 min Scan# 2492
Delta R.T. -0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

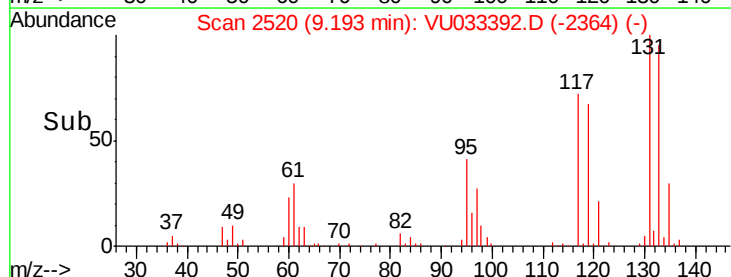
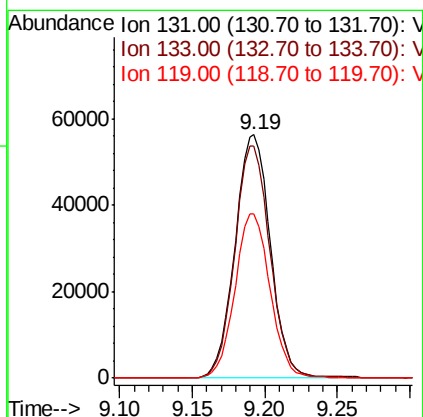
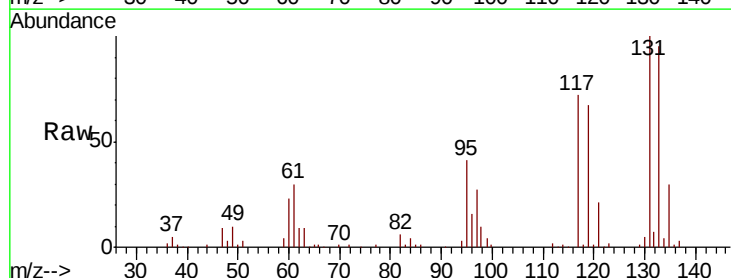
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

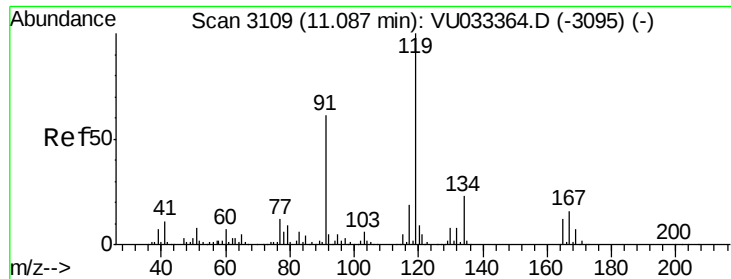
Tgt Ion:112 Resp: 261104
Ion Ratio Lower Upper
112 100
114 32.0 26.4 39.6



#60
1,1,1,2-Tetrachloroethane
Concen: 10.709 ug/l
RT: 9.19 min Scan# 2520
Delta R.T. 0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

Tgt Ion:131 Resp: 95624
Ion Ratio Lower Upper
131 100
133 94.7 76.2 114.4
119 66.9 54.9 82.3

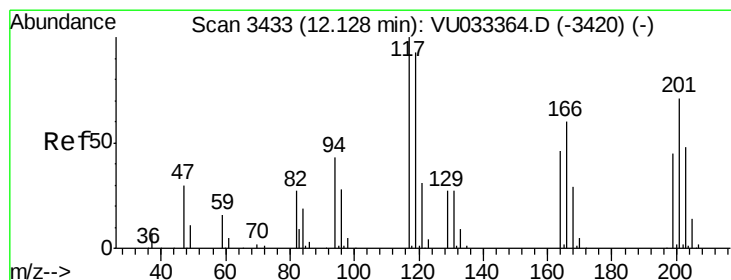
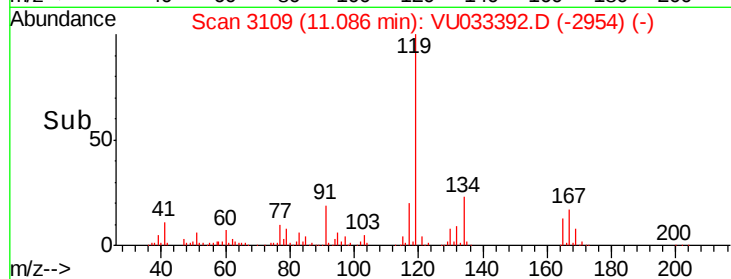
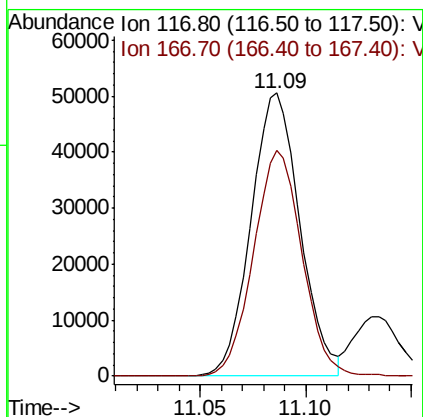
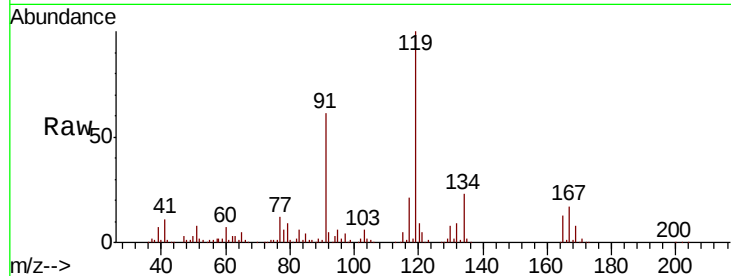




#61
 Pentachloroethane
 Concen: 11.139 ug/l
 RT: 11.09 min Scan# 3109
 Delta R.T. -0.00 min
 Lab File: VU033392.D
 Acq: 24 Jul 2019 18:41

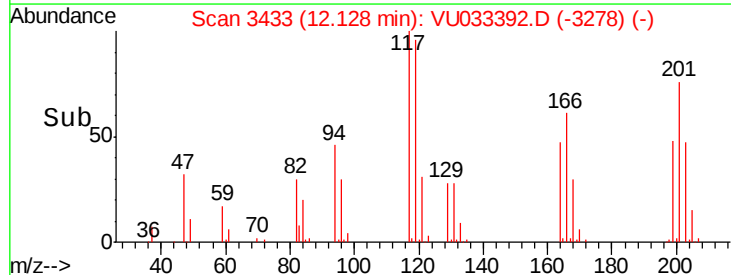
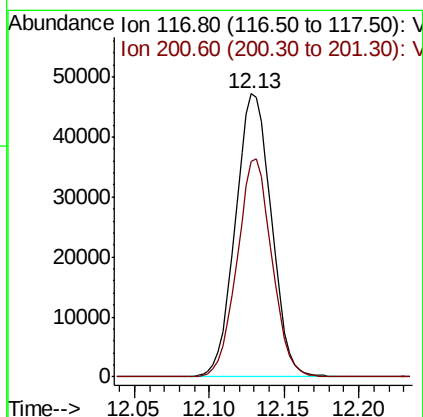
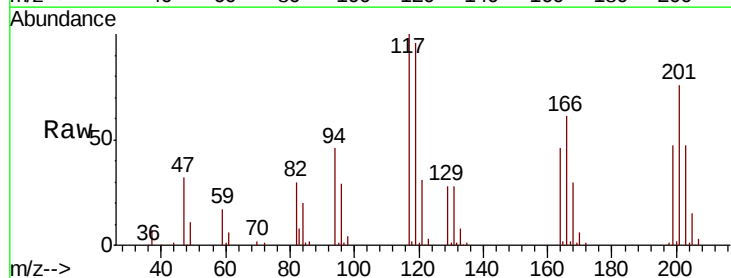
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

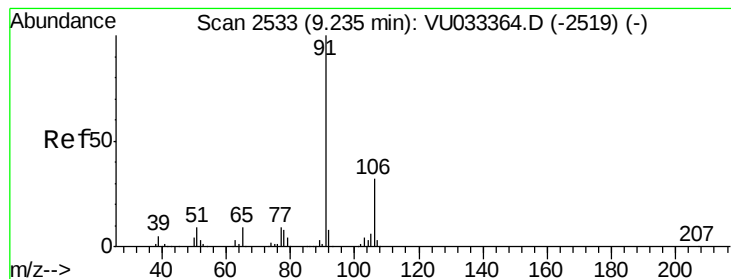
Tgt Ion:117 Resp: 81628
 Ion Ratio Lower Upper
 117 100
 167 79.2 63.4 95.0



#62
 Hexachloroethane
 Concen: 11.136 ug/l
 RT: 12.13 min Scan# 3433
 Delta R.T. -0.00 min
 Lab File: VU033392.D
 Acq: 24 Jul 2019 18:41

Tgt Ion:117 Resp: 78958
 Ion Ratio Lower Upper
 117 100
 201 74.4 57.9 86.9





#63

Ethyl Benzene

Concen: 11.992 ug/l

RT: 9.23 min Scan# 2533

Delta R.T. -0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

Instrument :

MSVOA_U

ClientSampleId :

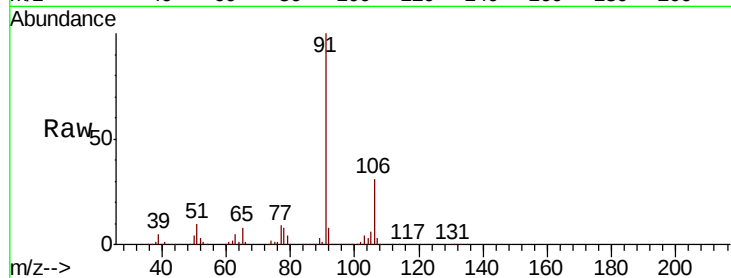
VSTDCCC010EC

Tgt Ion: 91 Resp: 452773

Ion Ratio Lower Upper

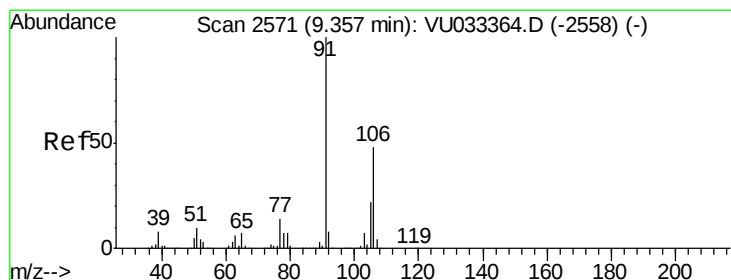
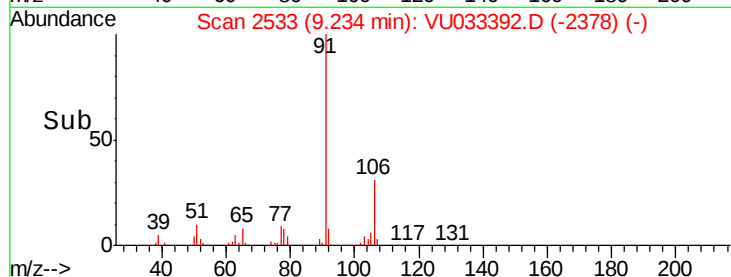
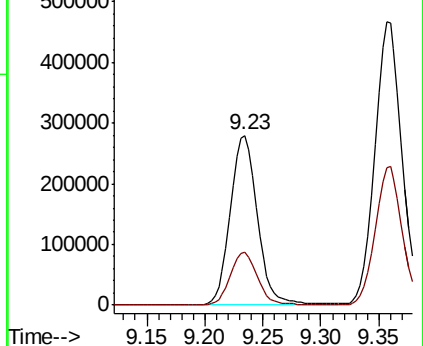
91 100

106 31.1 25.4 38.2



Abundance Ion 91.00 (90.70 to 91.70): VU033364.D (-2519) (-)

Ion 106.00 (105.70 to 106.70): VU033364.D (-2519) (-)



#64

m/p-Xylenes

Concen: 25.020 ug/l

RT: 9.36 min Scan# 2572

Delta R.T. 0.00 min

Lab File: VU033392.D

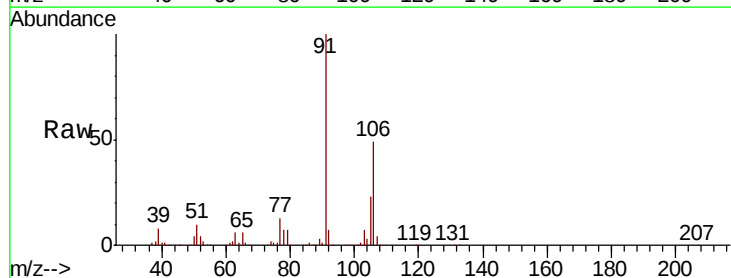
Acq: 24 Jul 2019 18:41

Tgt Ion: 106 Resp: 377683

Ion Ratio Lower Upper

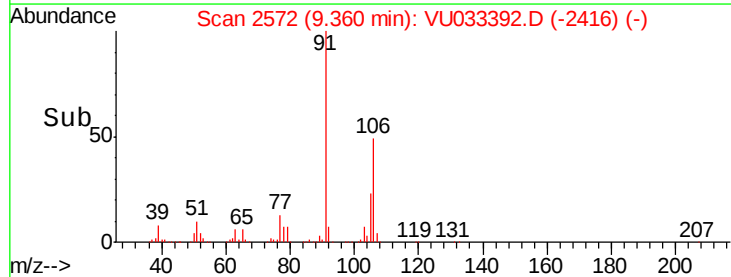
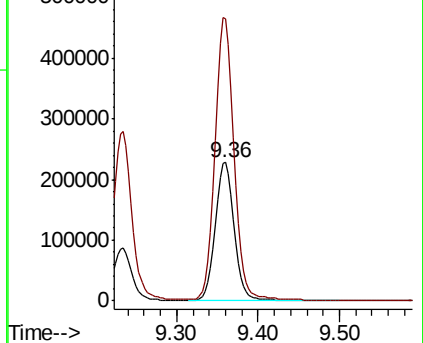
106 100

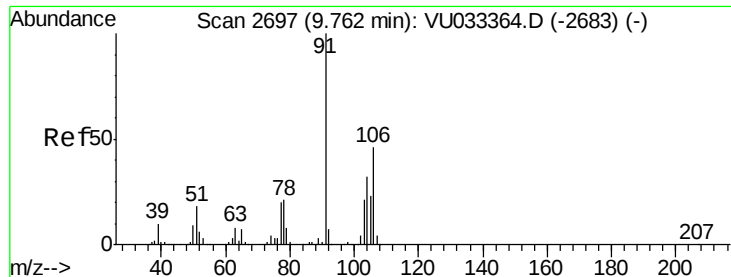
91 204.2 167.1 250.7



Abundance Ion 106.00 (105.70 to 106.70): VU033364.D (-2558) (-)

Ion 91.00 (90.70 to 91.70): VU033364.D (-2558) (-)

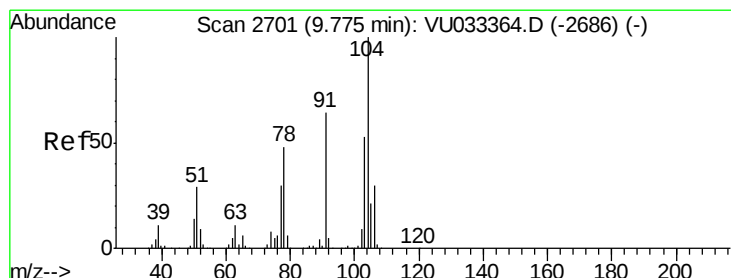
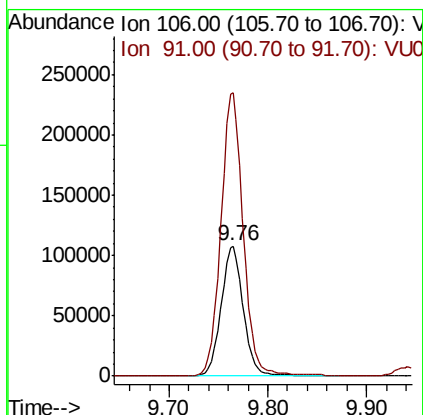
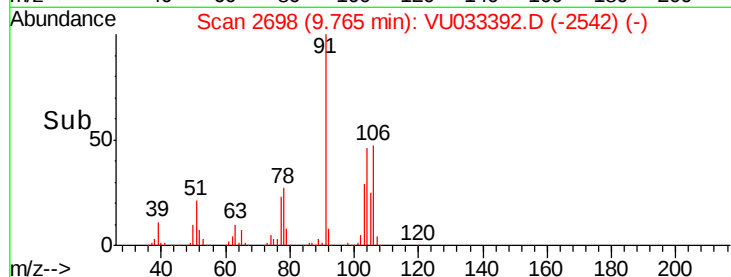
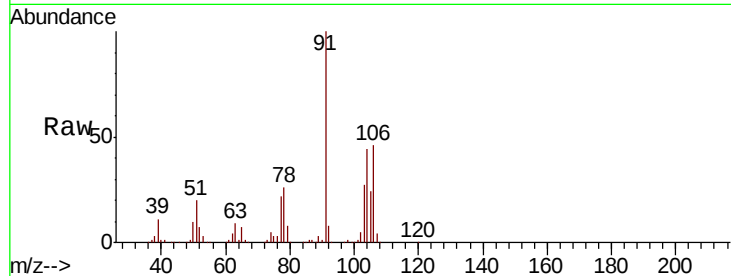




#65
o-Xylene
Concen: 11.842 ug/l
RT: 9.76 min Scan# 2698
Delta R.T. 0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

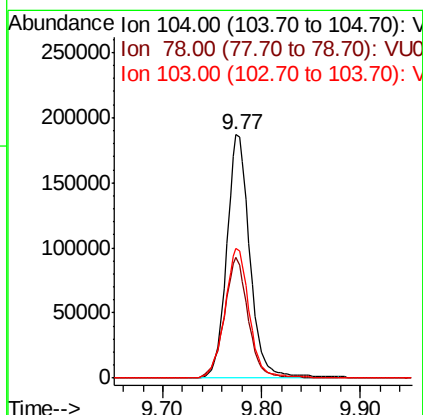
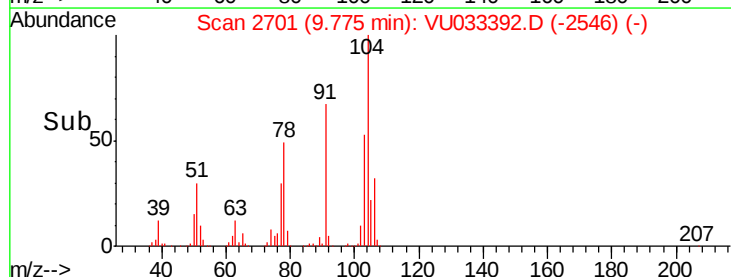
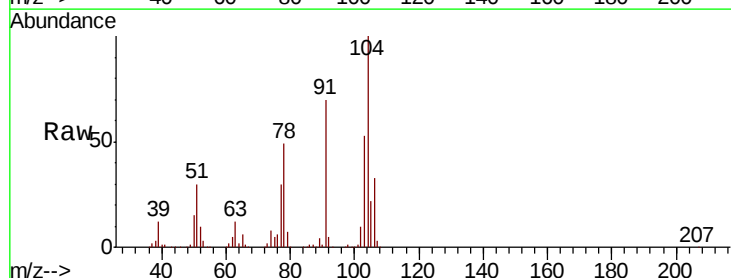
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

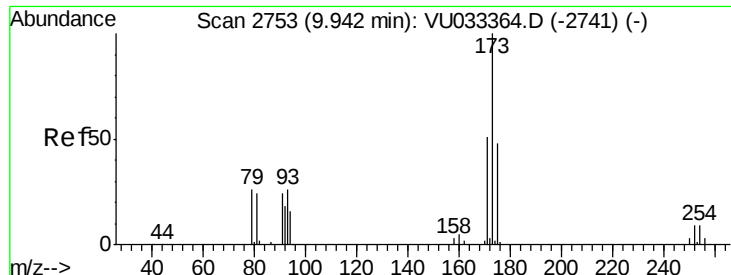
Tgt Ion:106 Resp: 171289
Ion Ratio Lower Upper
106 100
91 217.6 108.5 325.3



#66
Styrene
Concen: 12.548 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

Tgt Ion:104 Resp: 307907
Ion Ratio Lower Upper
104 100
78 51.2 41.2 61.8
103 56.5 44.7 67.1

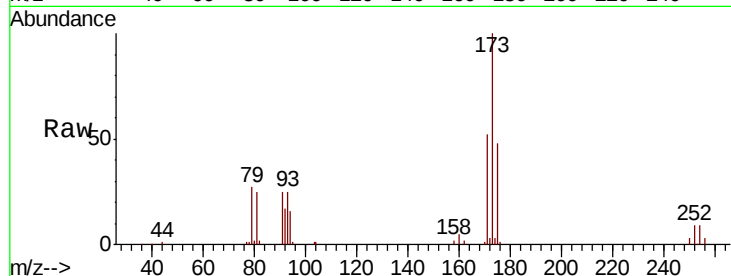




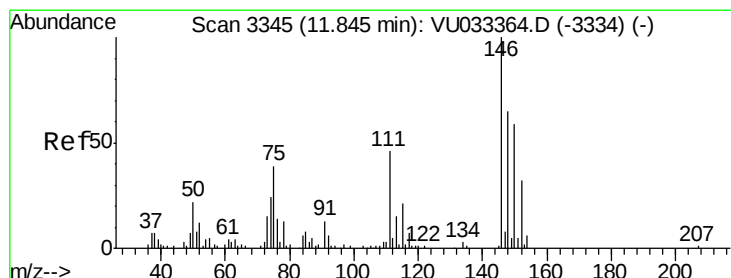
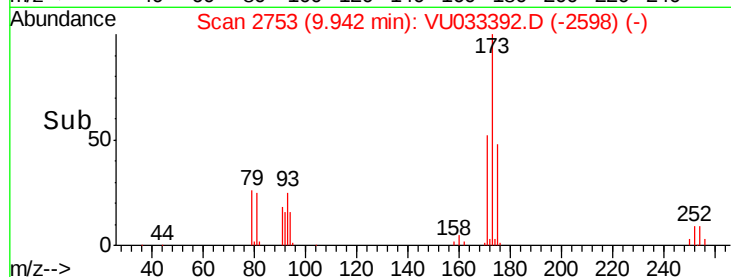
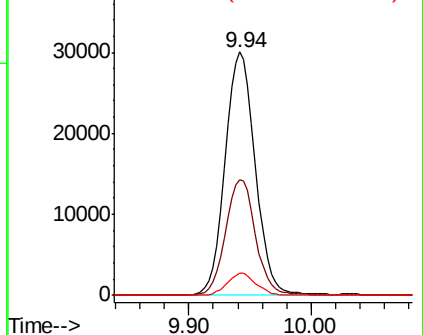
#67
Bromoform
Concen: 11.264 ug/l
RT: 9.94 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tgt Ion:173 Resp: 52042
Ion Ratio Lower Upper
173 100
175 47.3 38.6 58.0
254 8.6 6.8 10.2

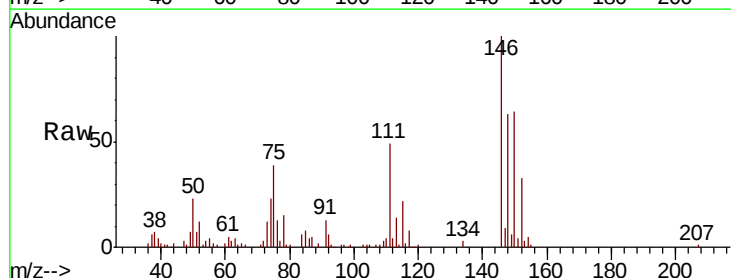


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

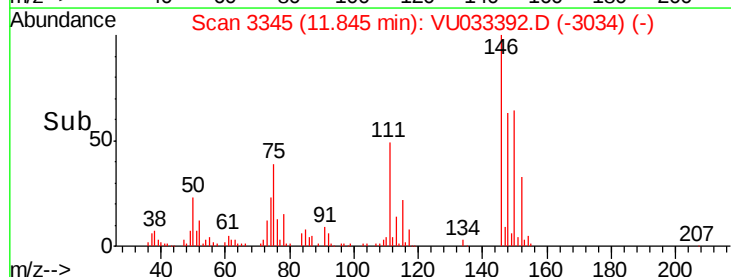
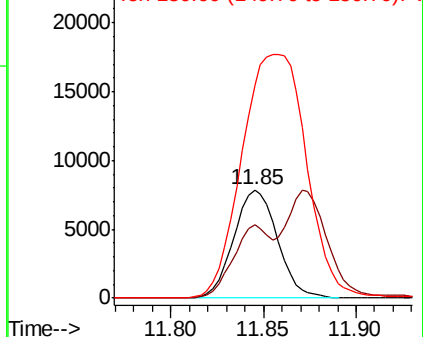


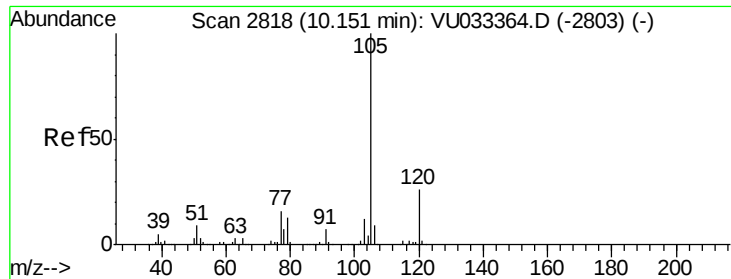
#68
1,2-Dichlorobenzene-d4
Concen: 1.054 ug/l
RT: 11.85 min Scan# 3345
Delta R.T. -0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

Tgt Ion:152 Resp: 12802
Ion Ratio Lower Upper
152 100
115 57.6 0.0 123.2
150 335.6 0.0 648.4



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: 12.104 ug/l

RT: 10.15 min Scan# 2818

Delta R.T. -0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

Instrument :

MSVOA_U

ClientSampleId :

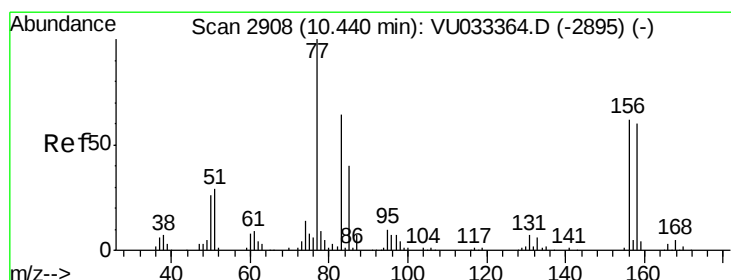
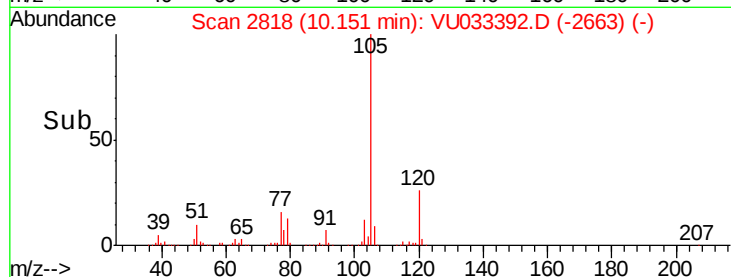
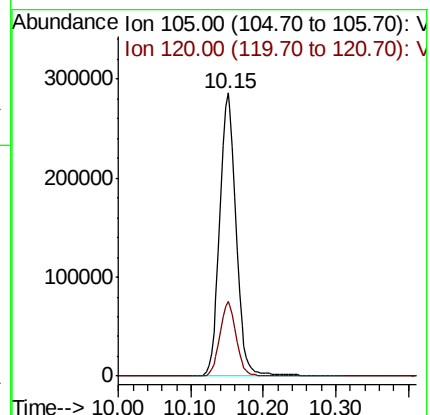
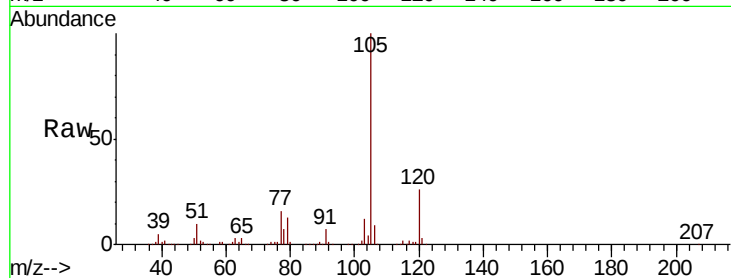
VSTDCCC010EC

Tgt Ion: 105 Resp: 448954

Ion Ratio Lower Upper

105 100

120 26.2 13.4 40.1



#70

1,1,2,2-Tetrachloroethane

Concen: 10.327 ug/l

RT: 10.44 min Scan# 2909

Delta R.T. 0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

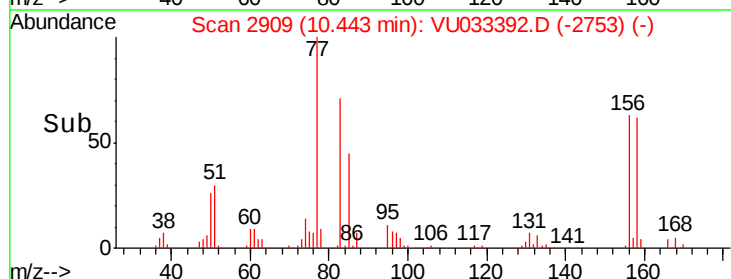
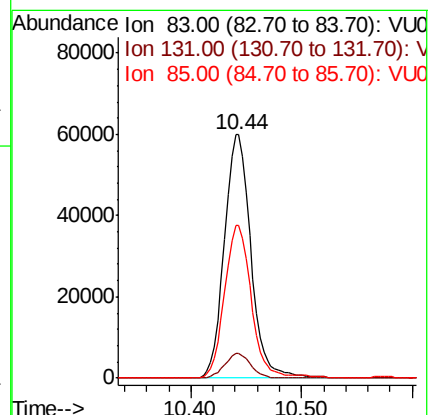
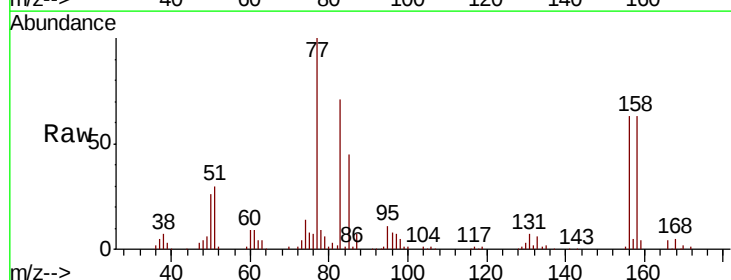
Tgt Ion: 83 Resp: 100029

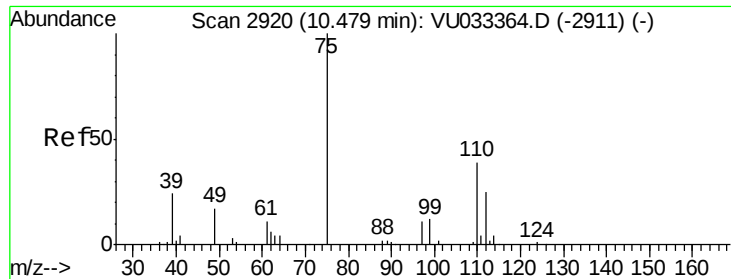
Ion Ratio Lower Upper

83 100

131 9.8 8.0 12.0

85 63.8 51.8 77.8

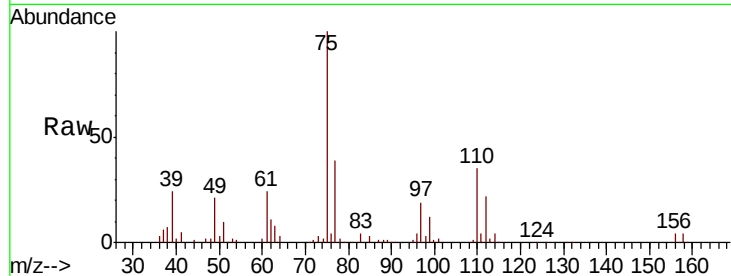




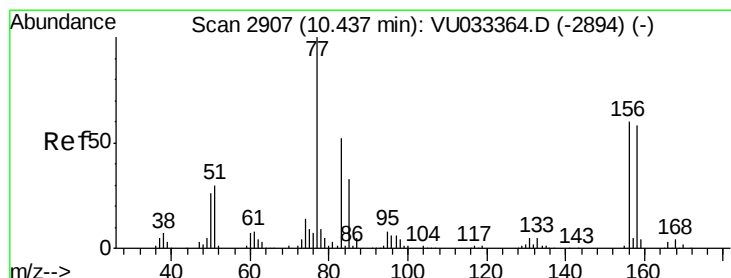
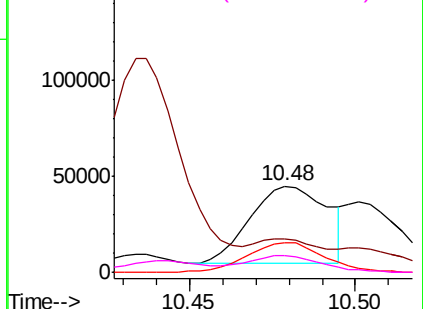
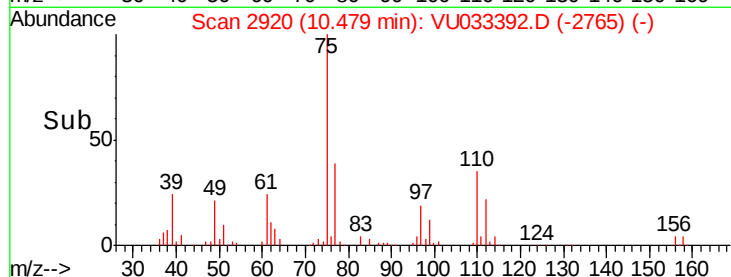
#71
 1,2,3-Trichloropropane
 Concen: 8.672 ug/l
 RT: 10.48 min Scan# 2920
 Delta R.T. -0.00 min
 Lab File: VU033392.D
 Acq: 24 Jul 2019 18:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:	75	Resp:	64849
Ion	Ratio	Lower	Upper
75	100		
77	12.8	0.0	18.2
110	38.8	0.0	71.4
97	21.0	0.0	37.8

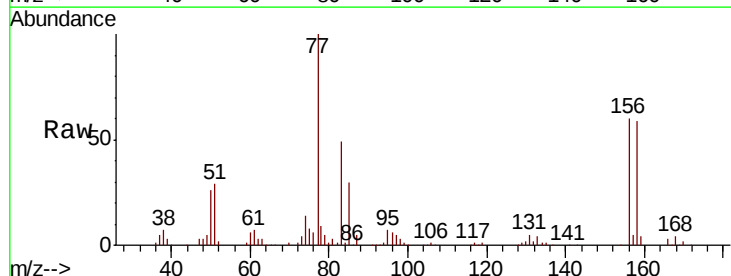


Abundance Ion 75.00 (74.70 to 75.70): VU033392.D (-2765) (-)
 Ion 77.00 (76.70 to 77.70): VU033392.D (-2765) (-)
 Ion 110.00 (109.70 to 110.70): VU033392.D (-2765) (-)
 Ion 97.00 (96.70 to 97.70): VU033392.D (-2765) (-)

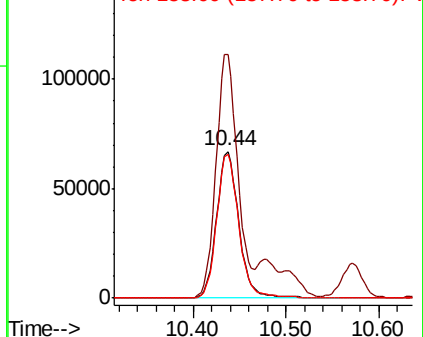
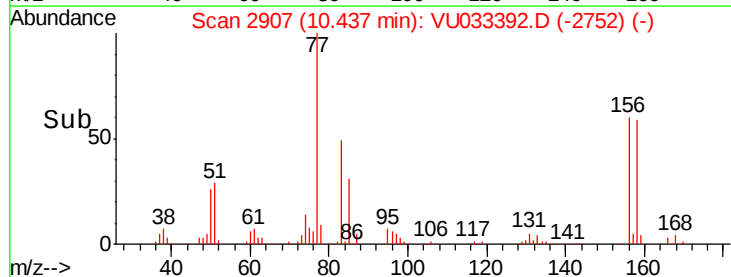


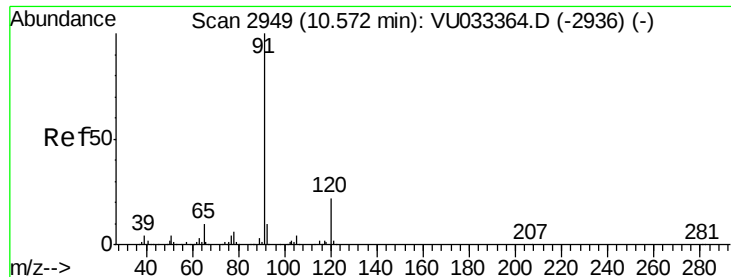
#72
 Bromobenzene
 Concen: 11.378 ug/l
 RT: 10.44 min Scan# 2907
 Delta R.T. -0.00 min
 Lab File: VU033392.D
 Acq: 24 Jul 2019 18:41

Tgt Ion:	156	Resp:	111482
Ion	Ratio	Lower	Upper
156	100		
77	163.0	0.0	324.4
158	98.1	0.0	192.4



Abundance Ion 156.00 (155.70 to 156.70): VU033392.D (-2752) (-)
 Ion 77.00 (76.70 to 77.70): VU033392.D (-2752) (-)
 Ion 158.00 (157.70 to 158.70): VU033392.D (-2752) (-)





#73

n-propylbenzene

Concen: 12.652 ug/l

RT: 10.57 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

Instrument :

MSVOA_U

ClientSampleId :

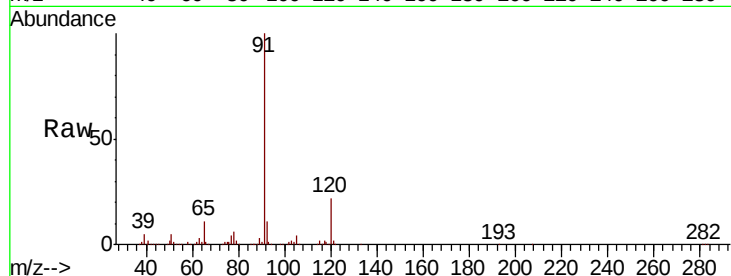
VSTDCCC010EC

Tgt Ion:120 Resp: 133762

Ion Ratio Lower Upper

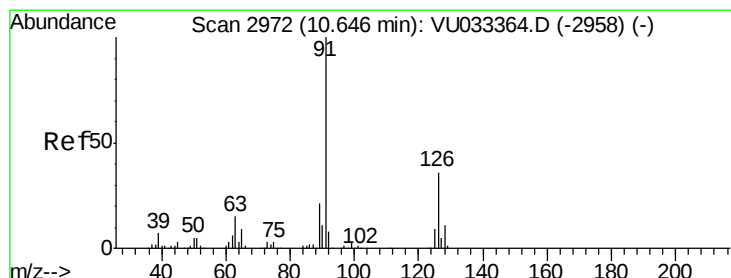
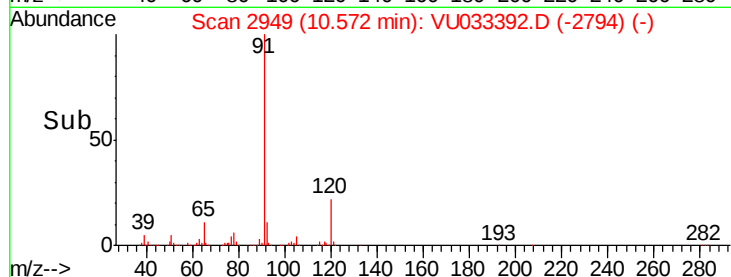
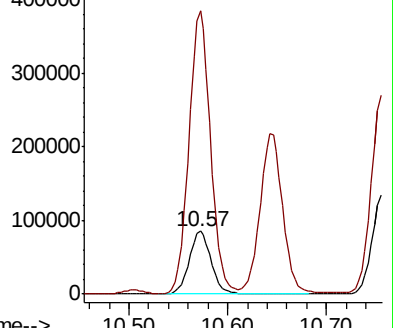
120 100

91 440.6 355.1 532.7



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 12.318 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. -0.00 min

Lab File: VU033392.D

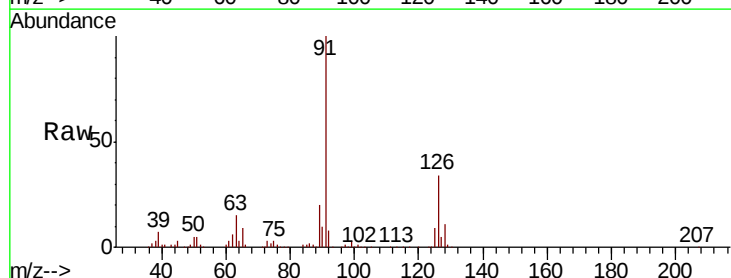
Acq: 24 Jul 2019 18:41

Tgt Ion:126 Resp: 118891

Ion Ratio Lower Upper

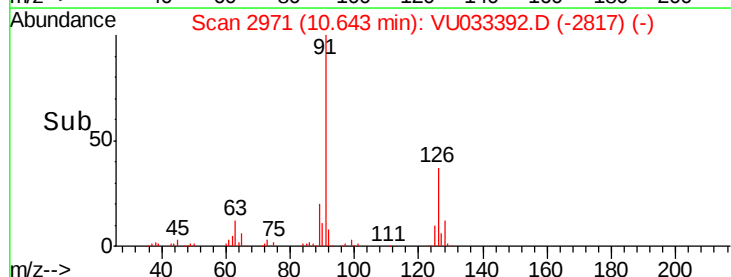
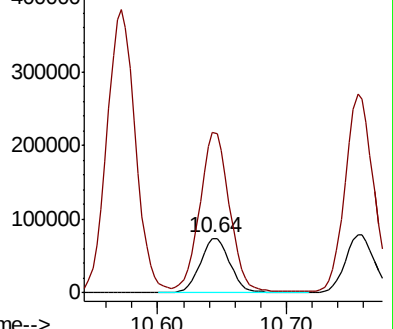
126 100

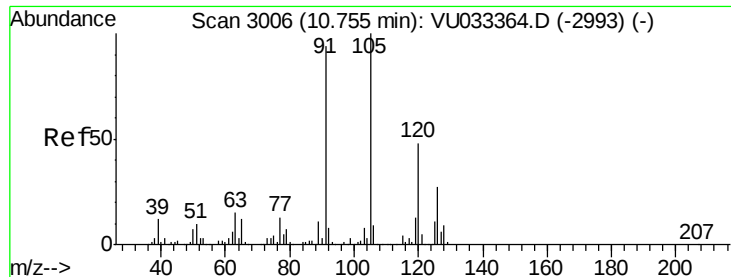
91 297.6 0.0 598.0



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: 12.825 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

Instrument :

MSVOA_U

ClientSampleId :

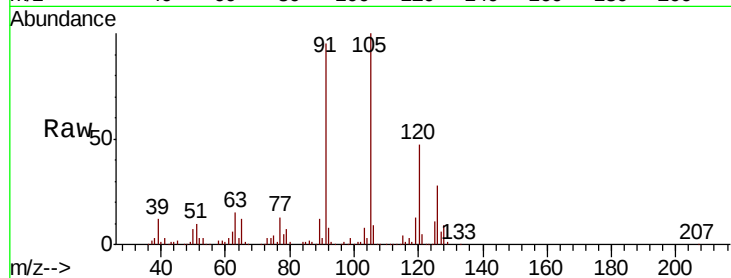
VSTDCCC010EC

Tgt Ion:105 Resp: 427085

Ion Ratio Lower Upper

105 100

120 47.9 38.2 57.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.76

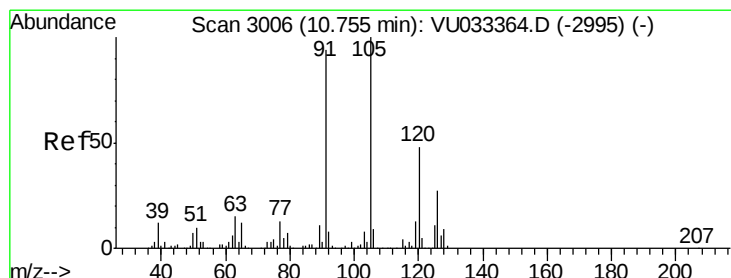
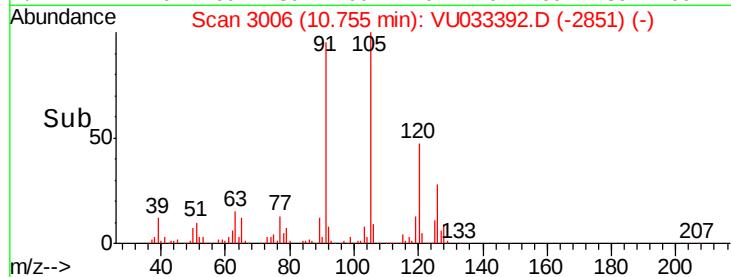
300000

200000

100000

0

Time-->



#76

4-Chlorotoluene

Concen: 12.548 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU033392.D

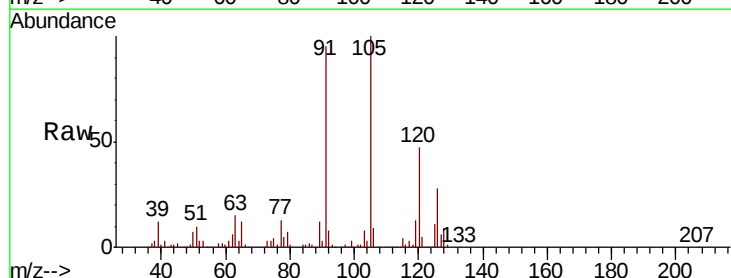
Acq: 24 Jul 2019 18:41

Tgt Ion:126 Resp: 126195

Ion Ratio Lower Upper

126 100

91 334.1 0.0 681.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

10.76

300000

250000

200000

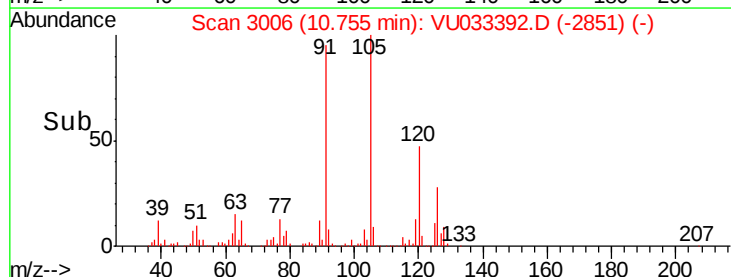
150000

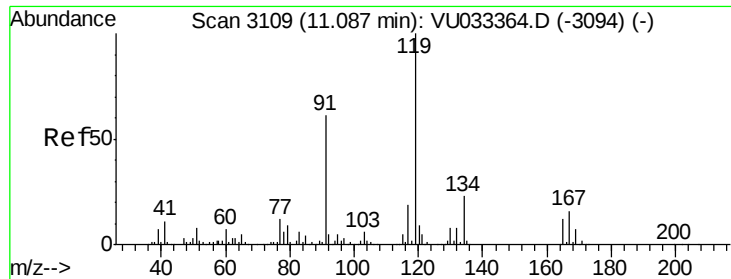
100000

50000

0

Time-->

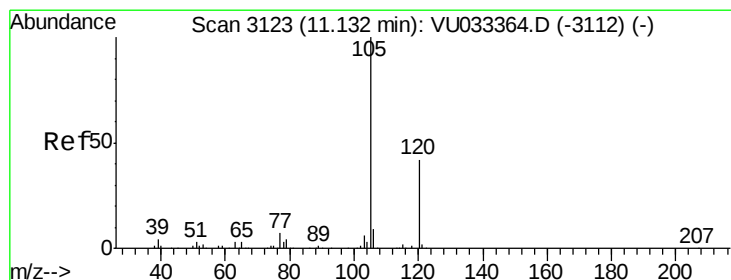
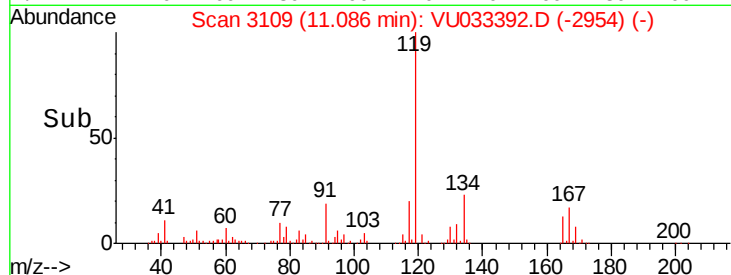
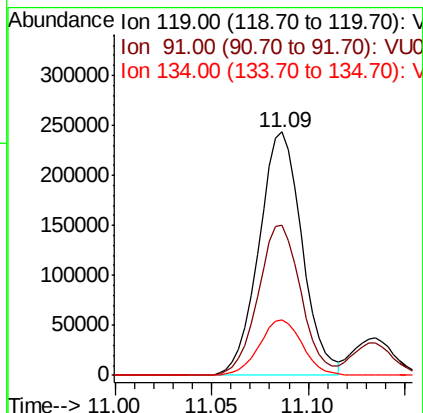
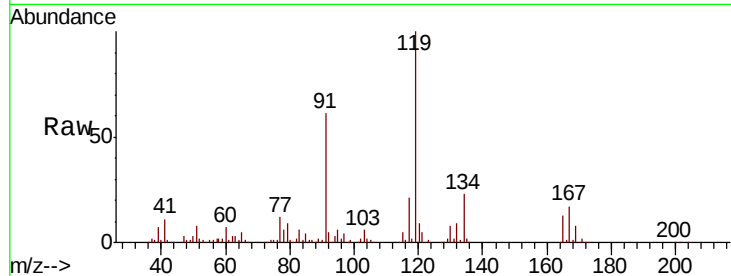




#77
 tert-Butylbenzene
 Concen: 11.979 ug/l
 RT: 11.09 min Scan# 3109
 Delta R.T. -0.00 min
 Lab File: VU033392.D
 Acq: 24 Jul 2019 18:41

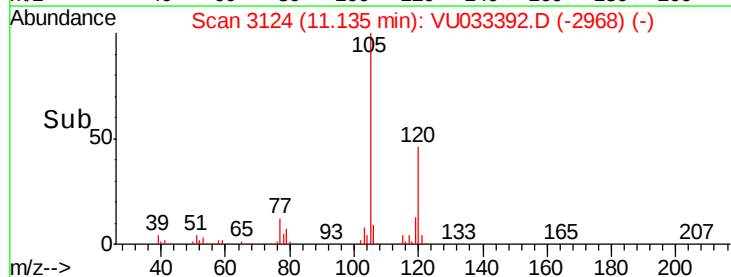
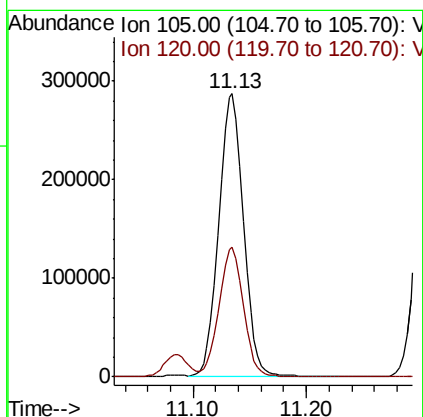
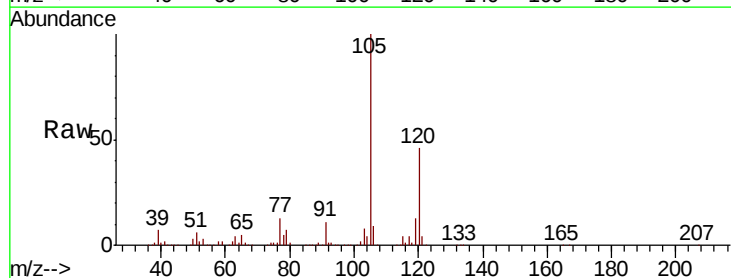
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

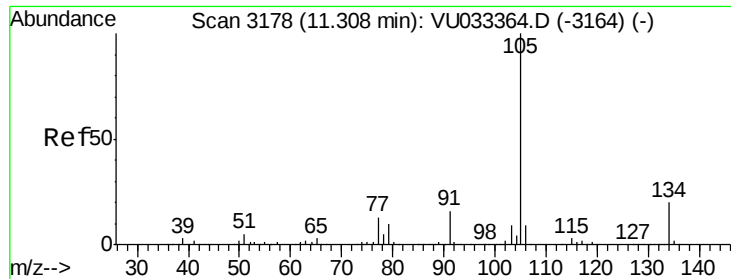
Tgt Ion:119 Resp: 378052
 Ion Ratio Lower Upper
 119 100
 91 61.2 30.4 91.3
 134 23.1 18.5 27.7



#78
 1,2,4-Trimethylbenzene
 Concen: 12.858 ug/l
 RT: 11.13 min Scan# 3124
 Delta R.T. 0.00 min
 Lab File: VU033392.D
 Acq: 24 Jul 2019 18:41

Tgt Ion:105 Resp: 437654
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.5 67.5

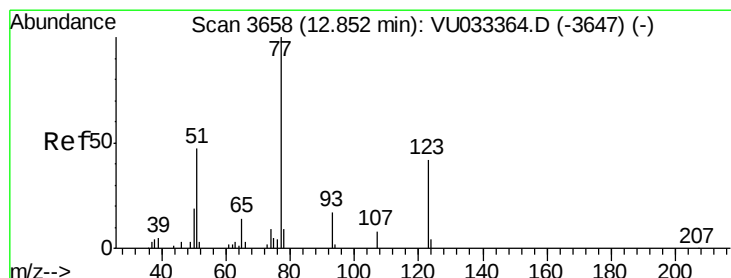
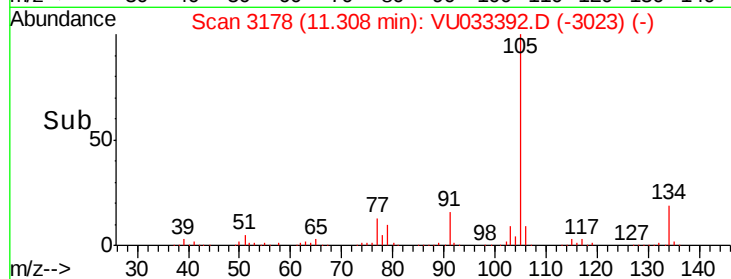
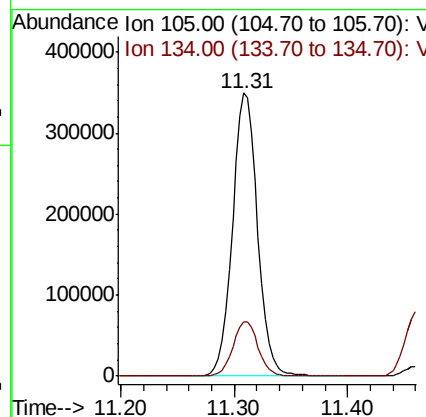
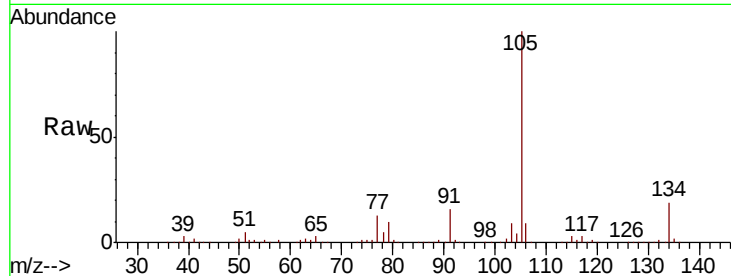




#79
 sec-Butylbenzene
 Concen: 12.303 ug/l
 RT: 11.31 min Scan# 3178
 Delta R.T. -0.00 min
 Lab File: VU033392.D
 Acq: 24 Jul 2019 18:41

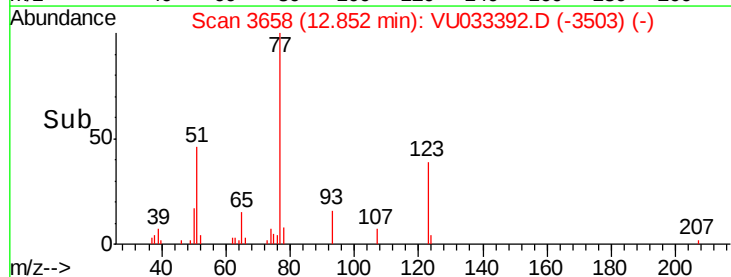
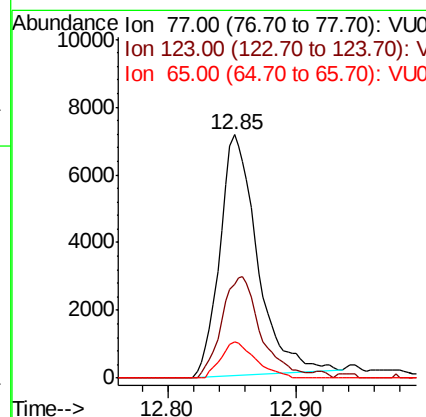
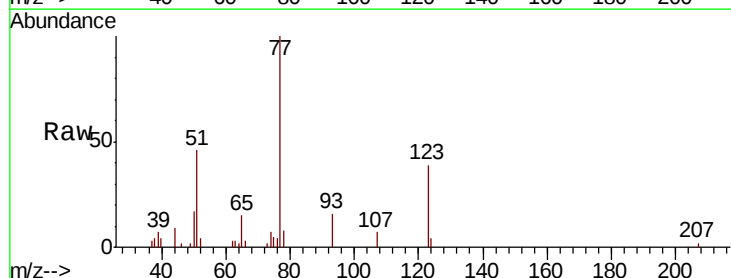
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

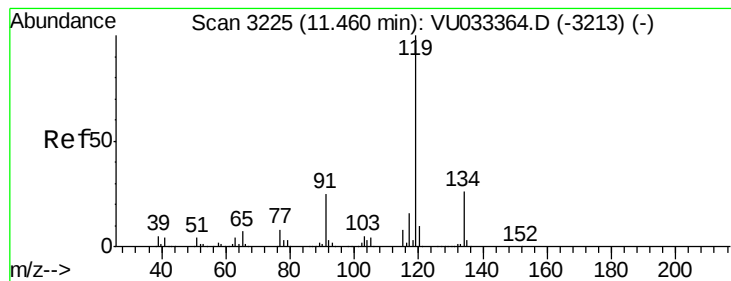
Tgt Ion: 105 Resp: 534437
 Ion Ratio Lower Upper
 105 100
 134 19.5 15.5 23.3



#80
 Nitrobenzene
 Concen: 35.847 ug/l
 RT: 12.85 min Scan# 3658
 Delta R.T. -0.00 min
 Lab File: VU033392.D
 Acq: 24 Jul 2019 18:41

Tgt Ion: 77 Resp: 14432
 Ion Ratio Lower Upper
 77 100
 123 40.5 19.3 68.3
 65 13.9 10.1 12.9#





#81

p-Isopropyltoluene

Concen: 12.720 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. 0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

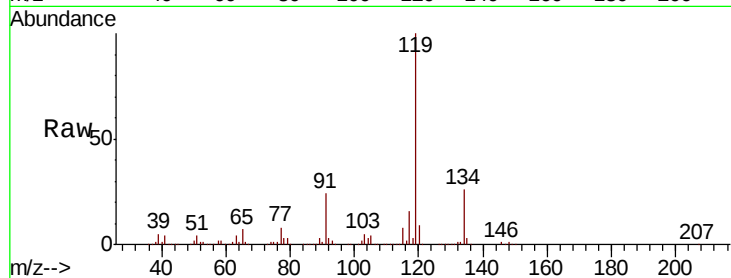
Tgt Ion:119 Resp: 449220

Ion Ratio Lower Upper

119 100

134 26.4 21.0 31.4

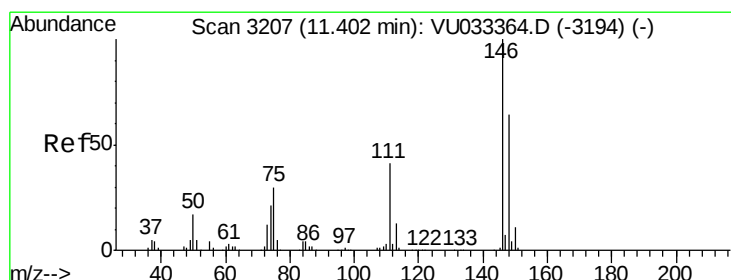
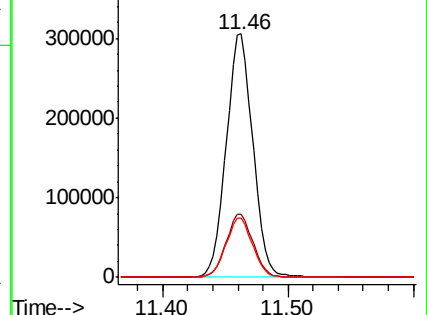
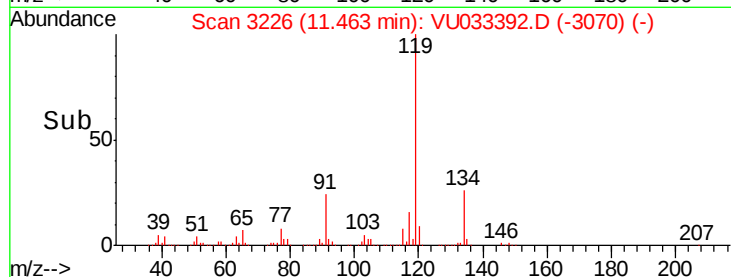
91 24.3 19.8 29.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#82

1,3-Dichlorobenzene

Concen: 11.307 ug/l

RT: 11.40 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

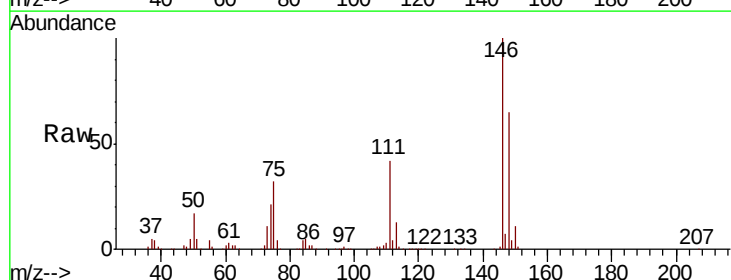
Tgt Ion:146 Resp: 235483

Ion Ratio Lower Upper

146 100

111 41.3 33.3 49.9

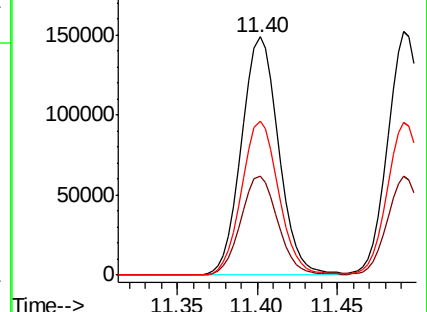
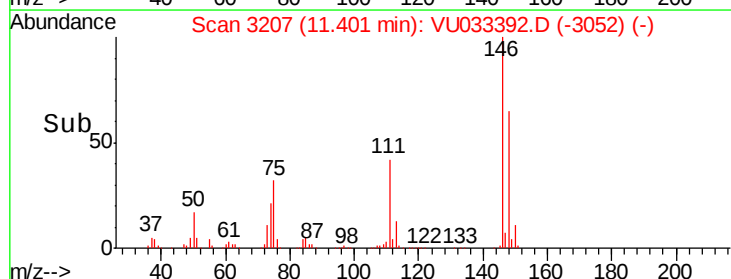
148 64.5 50.8 76.2

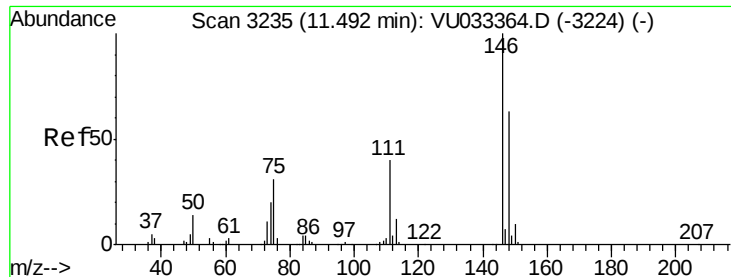


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

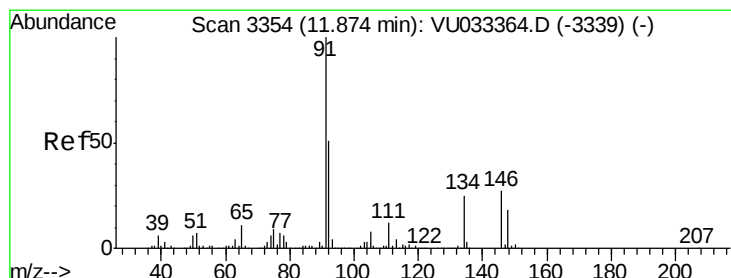
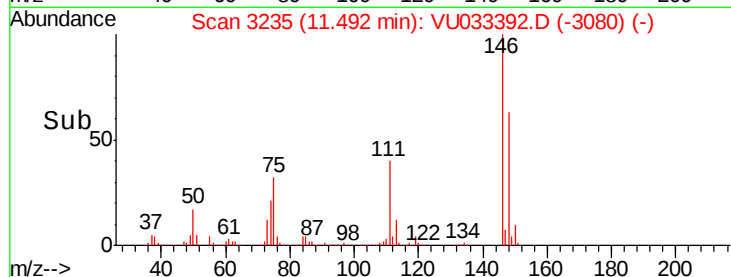
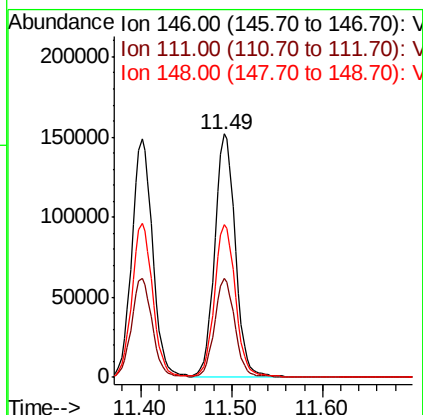
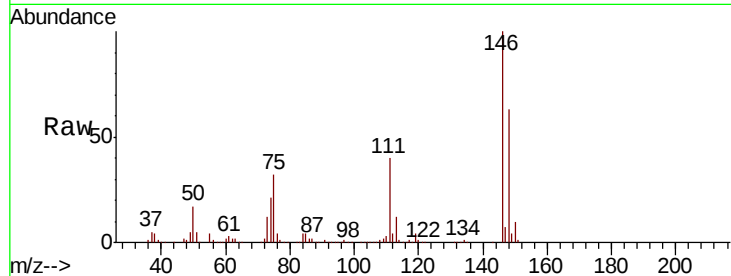




#83
 1,4-Dichlorobenzene
 Concen: 11.689 ug/l
 RT: 11.49 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU033392.D
 Acq: 24 Jul 2019 18:41

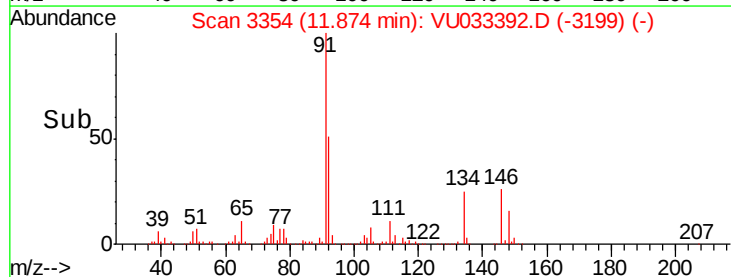
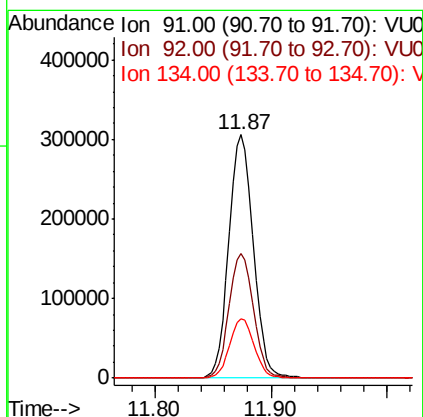
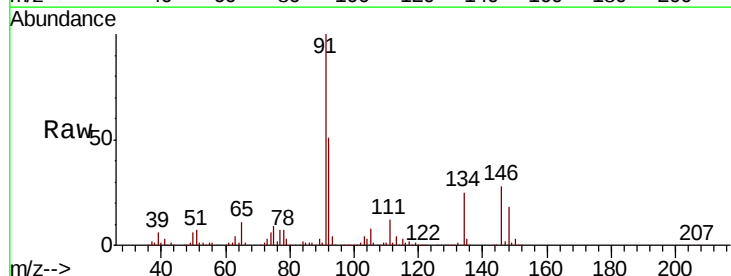
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

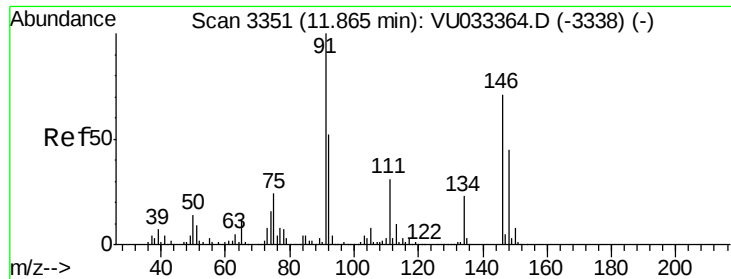
Tgt Ion: 146 Resp: 240827
 Ion Ratio Lower Upper
 146 100
 111 39.7 32.2 48.4
 148 63.5 51.0 76.4



#84
 n-Butylbenzene
 Concen: 12.397 ug/l
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU033392.D
 Acq: 24 Jul 2019 18:41

Tgt Ion: 91 Resp: 448038
 Ion Ratio Lower Upper
 91 100
 92 51.2 41.0 61.6
 134 24.3 19.5 29.3





#85

1,2-Dichlorobenzene

Concen: 11.156 ug/l

RT: 11.86 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

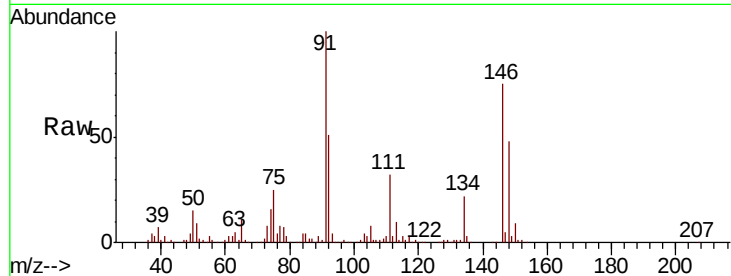
Tgt Ion:146 Resp: 217830

Ion Ratio Lower Upper

146 100

111 43.1 21.7 65.1

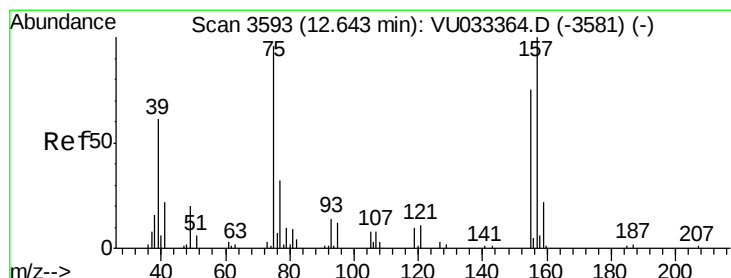
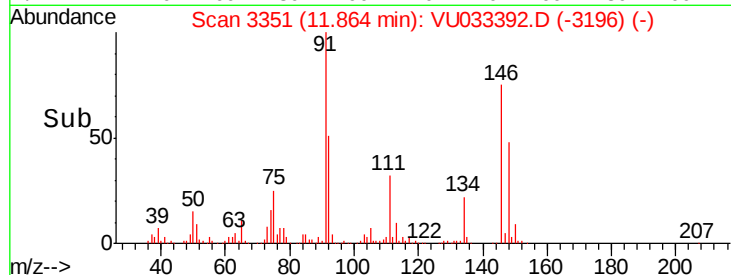
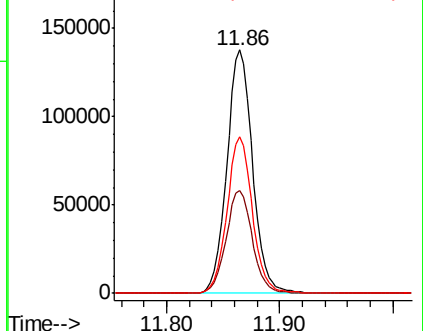
148 63.5 32.0 96.0



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: 10.313 ug/l

RT: 12.64 min Scan# 3593

Delta R.T. -0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

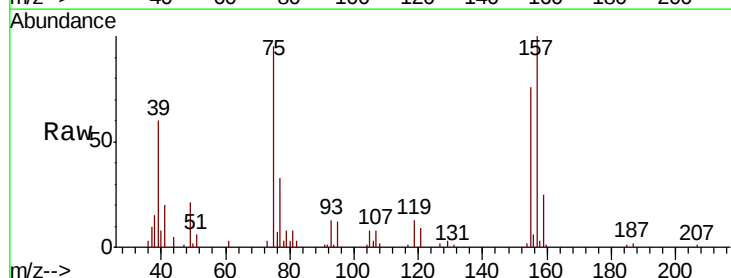
Tgt Ion: 75 Resp: 15713

Ion Ratio Lower Upper

75 100

155 77.0 63.3 94.9

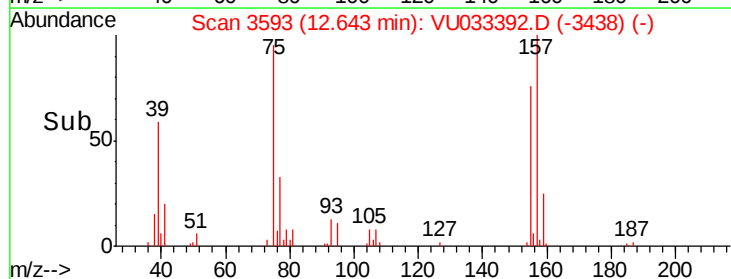
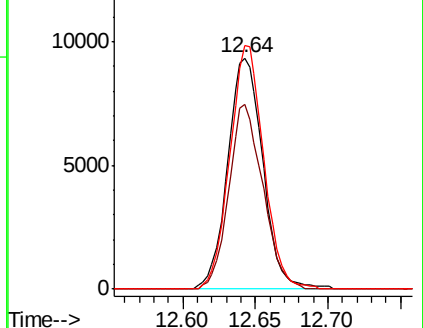
157 101.4 82.5 123.7

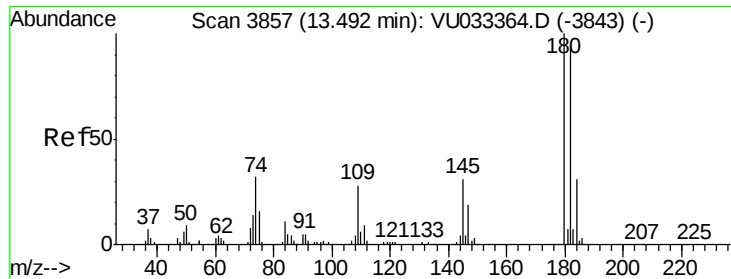


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

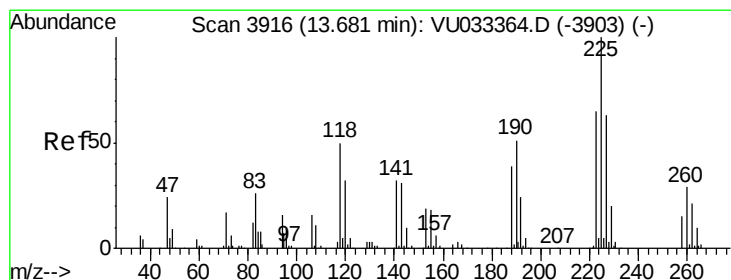
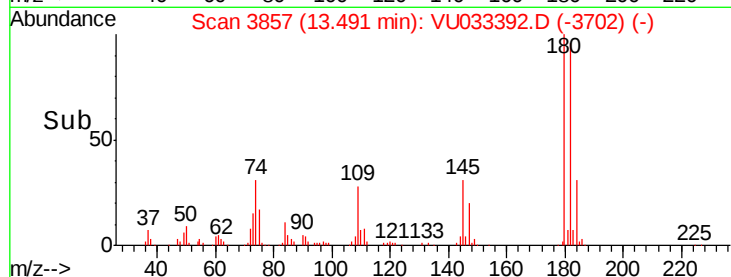
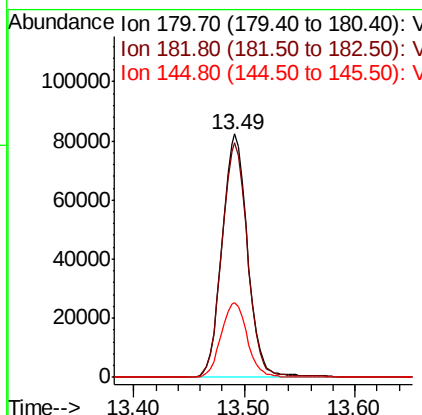
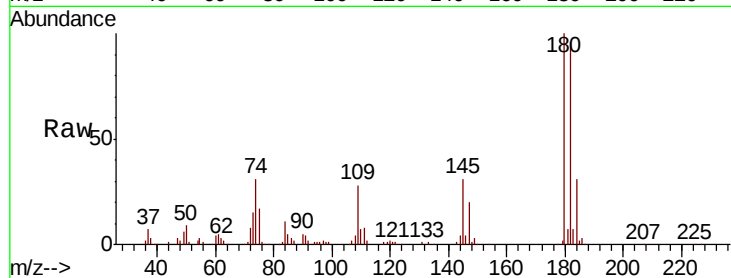




#87
 1,2,4-Trichlorobenzene
 Concen: 11.388 ug/l
 RT: 13.49 min Scan# 3857
 Delta R.T. -0.00 min
 Lab File: VU033392.D
 Acq: 24 Jul 2019 18:41

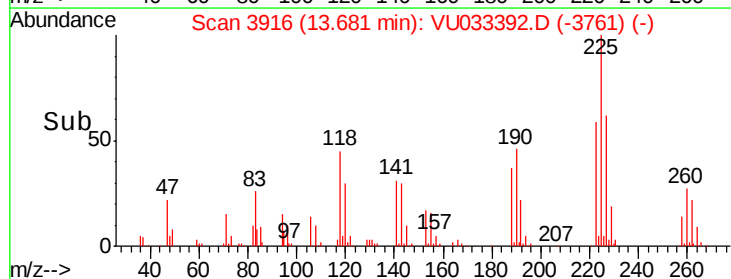
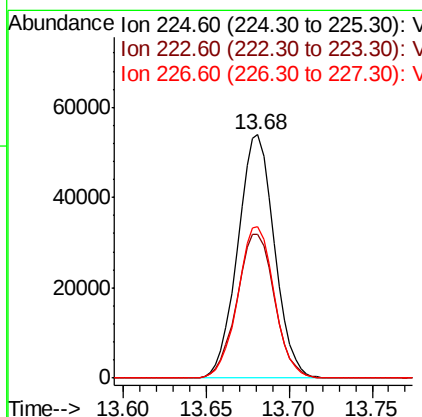
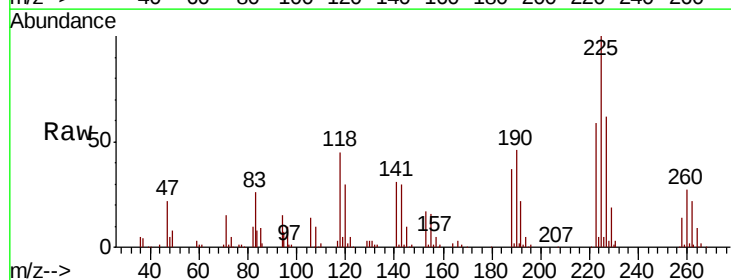
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

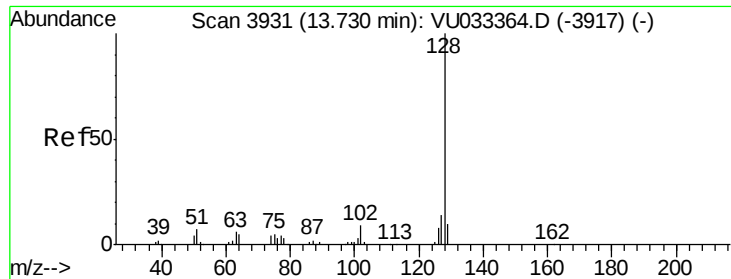
Tgt Ion:180 Resp: 132301
 Ion Ratio Lower Upper
 180 100
 182 96.3 76.2 114.4
 145 31.4 25.0 37.4



#88
 Hexachlorobutadiene
 Concen: 11.542 ug/l
 RT: 13.68 min Scan# 3916
 Delta R.T. -0.00 min
 Lab File: VU033392.D
 Acq: 24 Jul 2019 18:41

Tgt Ion:225 Resp: 82701
 Ion Ratio Lower Upper
 225 100
 223 61.0 52.2 78.4
 227 62.0 51.7 77.5





#89

Naphthalene

Concen: 8.991 ug/l

RT: 13.73 min Scan# 3931

Delta R.T. 0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

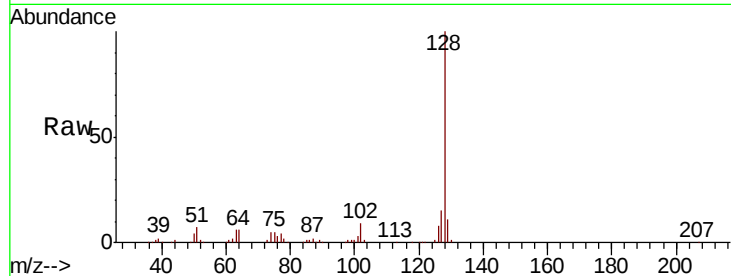
Tgt Ion:128 Resp: 235301

Ion Ratio Lower Upper

128 100

127 14.1 10.8 16.2

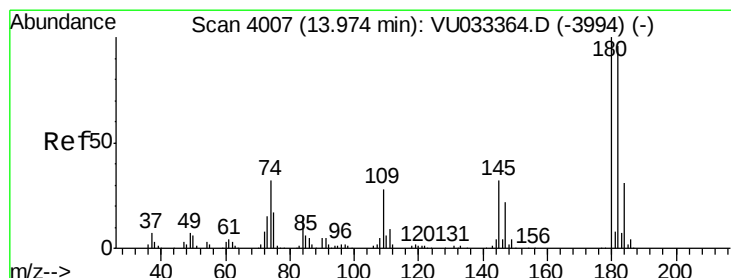
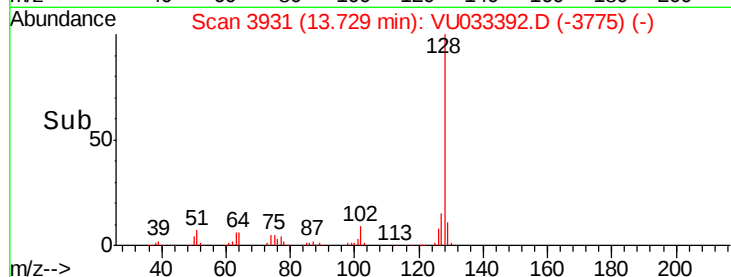
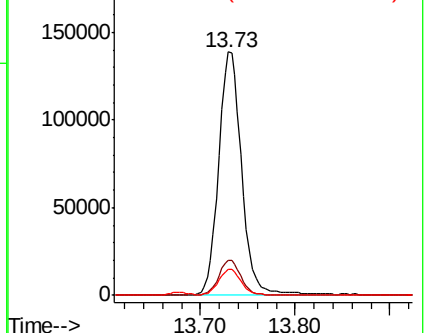
129 10.7 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#90

1,2,3-Trichlorobenzene

Concen: 11.532 ug/l

RT: 13.97 min Scan# 4007

Delta R.T. -0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

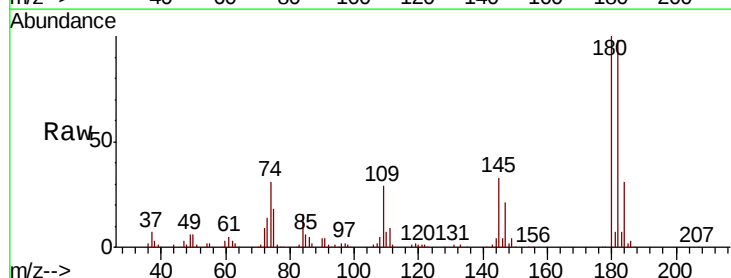
Tgt Ion:180 Resp: 130025

Ion Ratio Lower Upper

180 100

182 98.4 77.9 116.9

145 32.8 25.8 38.8



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

