

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082719\
 Data File : VU033954.D
 Acq On : 26 Aug 2019 17:04
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Quant Time: Aug 27 06:02:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 27 05:48:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.95	168	398634	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	651504	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	640374	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	325955	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.29	65	31199	5.24	ug/l	0.00
Spiked Amount			Recovery	=	10.48%	
35) Dibromofluoromethane	4.86	113	26215	6.37	ug/l	0.00
Spiked Amount			Recovery	=	12.74%	
50) Toluene-d8	7.55	98	86018	5.32	ug/l	0.00
Spiked Amount			Recovery	=	10.64%	
62) 4-Bromofluorobenzene	10.29	95	35827	5.92	ug/l	0.00
Spiked Amount			Recovery	=	11.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	20539	3.916	ug/l	94
3) Chloromethane	1.32	50	26927	2.925	ug/l	99
4) Vinyl Chloride	1.39	62	29377	4.229	ug/l	98
5) Bromomethane	1.60	94	23851	8.192	ug/l	98
6) Chloroethane	1.68	64	18350	4.624	ug/l	94
7) Trichlorofluoromethane	1.87	101	35765	4.802	ug/l	92
8) Diethyl Ether	2.09	74	15096	4.387	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.27	101	21366	4.821	ug/l	98
10) Methyl Iodide	2.39	142	3730	0.922	ug/l	96
11) Tert butyl alcohol	2.80	59	26372	19.878	ug/l	99
12) 1,1-Dichloroethene	2.27	96	21298	4.822	ug/l	98
13) Acrolein	2.18	56	17345	17.219	ug/l	98
14) Allyl chloride	2.57	41	39760	3.952	ug/l	91
15) Acrylonitrile	2.92	53	76463	20.834	ug/l	98
16) Acetone	2.30	43	86937	22.436	ug/l	98
17) Carbon Disulfide	2.46	76	70244	4.455	ug/l	98
18) Methyl Acetate	2.60	43	37101	3.787	ug/l	95
19) Methyl tert-butyl Ether	2.98	73	63651	3.865	ug/l	99
20) Methylene Chloride	2.68	84	26961	4.641	ug/l	97
21) trans-1,2-Dichloroethene	2.96	96	23224	4.665	ug/l	93
22) Diisopropyl ether	3.54	45	69703	3.548	ug/l #	77
23) Vinyl Acetate	3.50	43	264843	16.209	ug/l	100
24) 1,1-Dichloroethane	3.42	63	45823	4.379	ug/l	99
25) 2-Butanone	4.24	43	101734	19.321	ug/l	100
26) 2,2-Dichloropropane	4.19	77	36247	4.350	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	24669	4.413	ug/l	99
28) Bromochloromethane	4.52	49	23585	4.975	ug/l	97
29) Tetrahydrofuran	4.61	42	58400	17.348	ug/l	99
30) Chloroform	4.65	83	46303	5.019	ug/l	98
31) Cyclohexane	4.97	56	44256	3.632	ug/l #	85
32) 1,1,1-Trichloroethane	4.89	97	37461	4.881	ug/l	97
36) 1,1-Dichloropropene	5.11	75	30161	4.269	ug/l	99
37) Ethyl Acetate	4.36	43	35862	3.986	ug/l	98
38) Carbon Tetrachloride	5.11	117	32661	5.561	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082719\
 Data File : VU033954.D
 Acq On : 26 Aug 2019 17:04
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Quant Time: Aug 27 06:02:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 27 05:48:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.39	83	32310	3.762	ug/l	91
40) Benzene	5.37	78	95173	4.567	ug/l	99
41) Methacrylonitrile	4.52	41	17279	3.524	ug/l #	94
42) 1,2-Dichloroethane	5.38	62	36861	5.012	ug/l	100
43) Isopropyl Acetate	5.53	43	51072	3.613	ug/l	98
44) Trichloroethene	6.16	130	24643	5.200	ug/l	97
45) 1,2-Dichloropropane	6.41	63	27127	4.666	ug/l	98
46) Dibromomethane	6.54	93	17323	4.945	ug/l	98
47) Bromodichloromethane	6.74	83	34327	4.992	ug/l	99
48) Methyl methacrylate	6.60	41	21460	3.073	ug/l	98
49) 1,4-Dioxane	6.60	88	9367	80.221	ug/l	90
51) 4-Methyl-2-Pentanone	7.44	43	176685	19.554	ug/l	97
52) Toluene	7.62	92	54967	4.465	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	32942	4.079	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	36662	4.180	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	25801	5.270	ug/l	97
56) Ethyl methacrylate	8.00	69	26519	3.227	ug/l	98
57) 1,3-Dichloropropane	8.22	76	41758	4.604	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.11	63	41293	10.221	ug/l	97
59) 2-Hexanone	8.35	43	129933	18.181	ug/l	92
60) Dibromochloromethane	8.46	129	24983	5.115	ug/l	99
61) 1,2-Dibromoethane	8.57	107	25644	4.977	ug/l	98
64) Tetrachloroethene	8.21	164	23153	5.379	ug/l	98
65) Chlorobenzene	9.10	112	63115	4.656	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.19	131	22230	5.042	ug/l	97
67) Ethyl Benzene	9.23	91	94359	3.813	ug/l	99
68) m/p-Xylenes	9.36	106	69115	7.657	ug/l	99
69) o-Xylene	9.76	106	32653	3.732	ug/l	98
70) Styrene	9.77	104	52847	3.607	ug/l	98
71) Bromoform	9.94	173	18218	4.858	ug/l #	100
73) Isopropylbenzene	10.15	105	86382	3.529	ug/l	97
74) N-amyl acetate	10.00	43	31867	2.327	ug/l	96
75) 1,1,2,2-Tetrachloroethane	10.44	83	40860	4.348	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	45303	5.544	ug/l	87
77) Bromobenzene	10.44	156	25591	4.426	ug/l	96
78) n-propylbenzene	10.57	91	103508	3.419	ug/l	100
79) 2-Chlorotoluene	10.64	91	64749	3.712	ug/l	99
80) 1,3,5-Trimethylbenzene	10.76	105	71090	3.498	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.48	75	45303	12.722	ug/l #	100
82) 4-Chlorotoluene	10.76	91	75190	3.627	ug/l	98
83) tert-Butylbenzene	11.08	119	67034	3.430	ug/l	98
84) 1,2,4-Trimethylbenzene	11.13	105	68995	3.301	ug/l	99
85) sec-Butylbenzene	11.31	105	85454	3.422	ug/l	100
86) p-Isopropyltoluene	11.46	119	77906	3.623	ug/l	96
87) 1,3-Dichlorobenzene	11.40	146	47409	4.338	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	50682	4.491	ug/l	96
89) n-Butylbenzene	11.87	91	65452	3.045	ug/l	95
90) Hexachloroethane	12.12	117	16077	4.822	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	44280	4.065	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.64	75	7009	3.447	ug/l	98

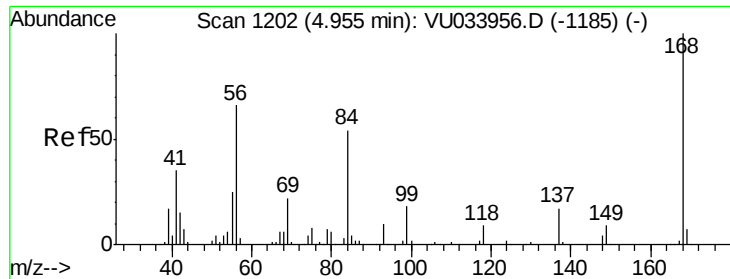
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082719\
Data File : VU033954.D
Acq On : 26 Aug 2019 17:04
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC005

Quant Time: Aug 27 06:02:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082719W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 27 05:48:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	19702	2.530	ug/l	96
94) Hexachlorobutadiene	13.67	225	17130	4.696	ug/l	98
95) Naphthalene	13.73	128	42099	1.650	ug/l	98
96) 1,2,3-Trichlorobenzene	13.98	180	20135	2.579	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.95 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VU033954.D

Acq: 26 Aug 2019 17:04

Instrument :

MSVOA_U

ClientSampleId :

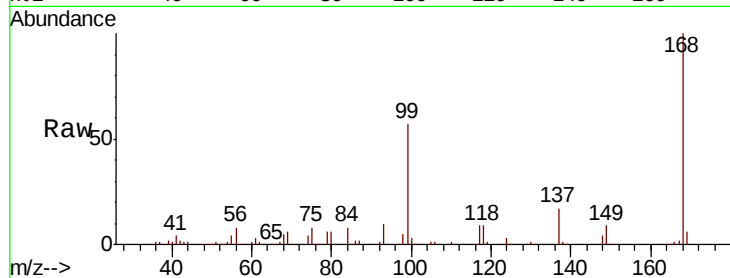
VSTDIC005

Tot Ion:168 Resp: 398634

Ion Ratio Lower Upper

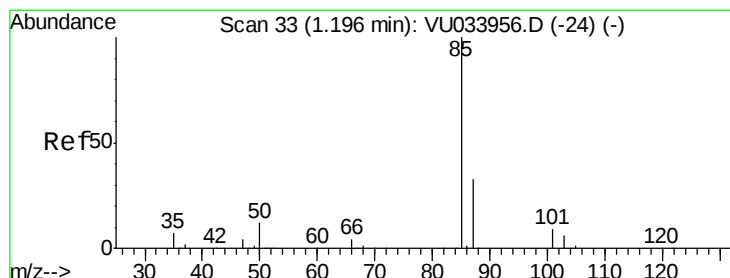
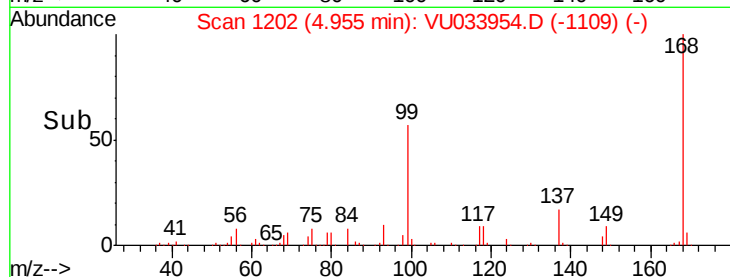
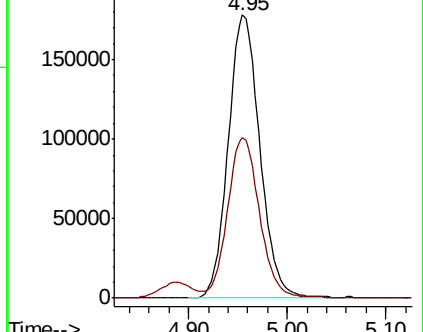
168 100

99 56.6 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VU033956.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU033954.D (-1109) (-)



#2

Dichlorodifluoromethane

Concen: 3.916 ug/l

RT: 1.20 min Scan# 33

Delta R.T. -0.00 min

Lab File: VU033954.D

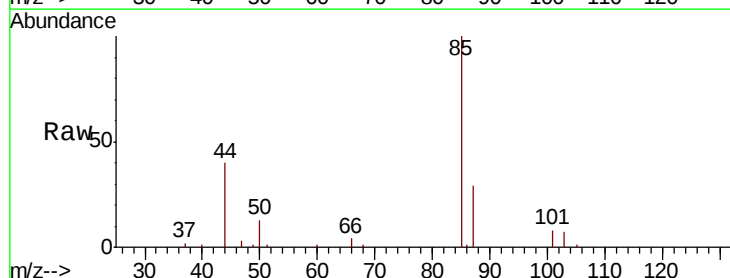
Acq: 26 Aug 2019 17:04

Tgt Ion: 85 Resp: 20539

Ion Ratio Lower Upper

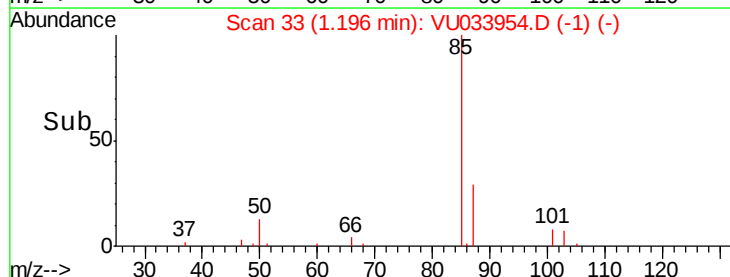
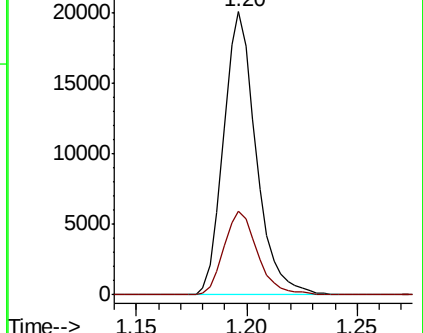
85 100

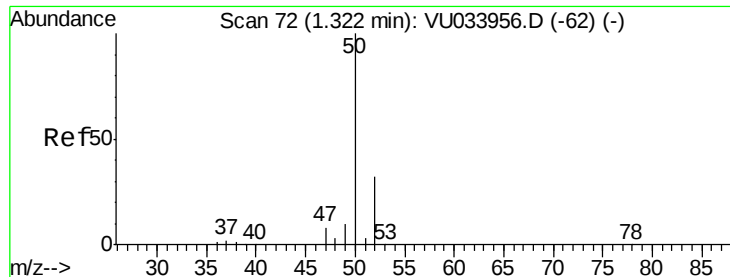
87 29.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VU033956.D (-24) (-)

Ion 86.90 (86.60 to 87.60): VU033954.D (-1) (-)





#3

Chloromethane

Concen: 2.925 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU033954.D

Acq: 26 Aug 2019 17:04

Instrument :

MSVOA_U

ClientSampleId :

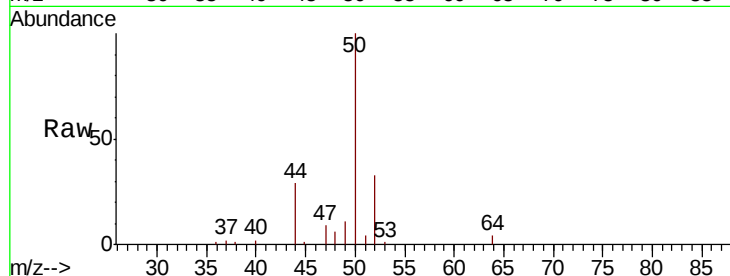
VSTDIC005

Tot Ion: 50 Resp: 26927

Ion Ratio Lower Upper

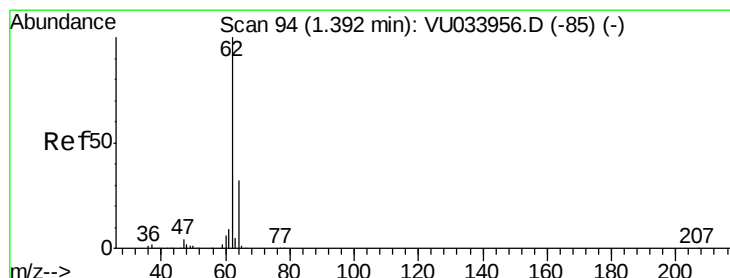
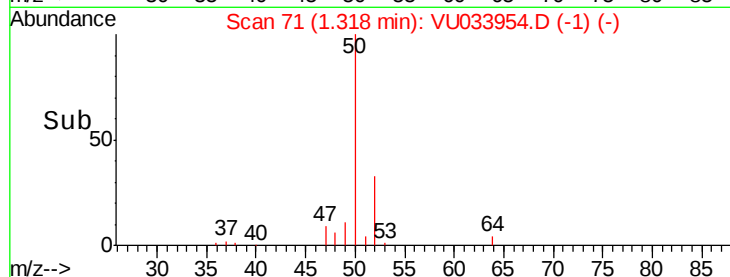
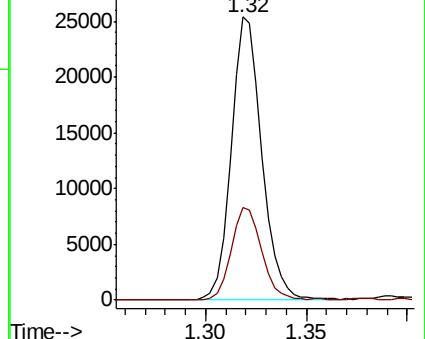
50 100

52 33.0 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VU033956.D (-62) (-)

Ion 51.90 (51.60 to 52.60): VU033956.D (-62) (-)



#4

Vinyl Chloride

Concen: 4.229 ug/l

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033954.D

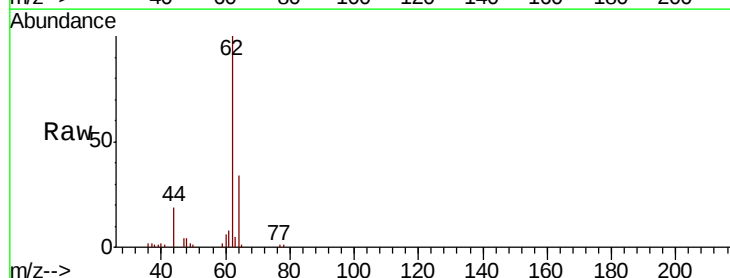
Acq: 26 Aug 2019 17:04

Tgt Ion: 62 Resp: 29377

Ion Ratio Lower Upper

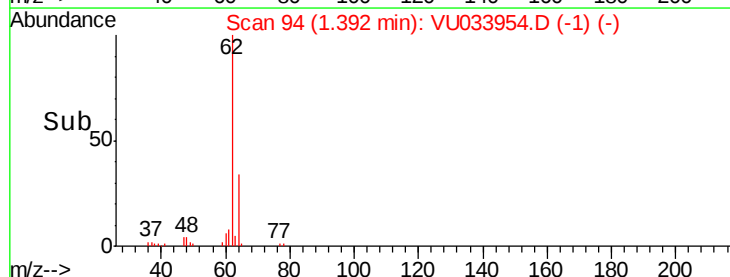
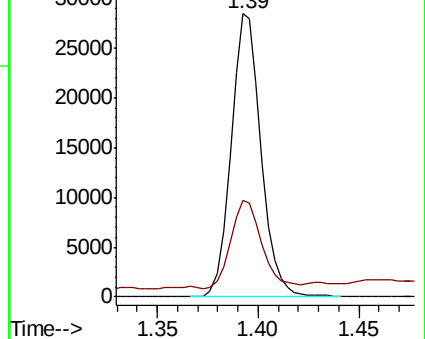
62 100

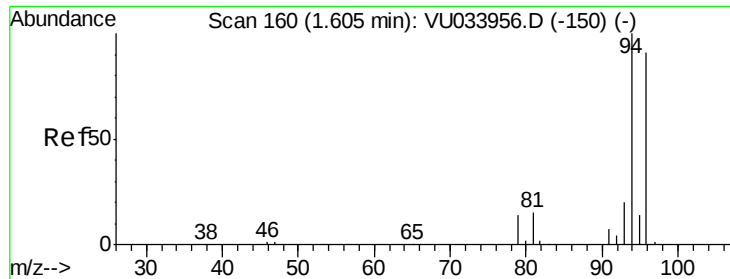
64 30.5 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VU033956.D (-85) (-)

Ion 63.90 (63.60 to 64.60): VU033956.D (-85) (-)





#5

Bromomethane

Concen: 8.192 ug/l

RT: 1.60 min Scan# 160

Delta R.T. -0.00 min

Lab File: VU033954.D

Acq: 26 Aug 2019 17:04

Instrument :

MSVOA_U

ClientSampleId :

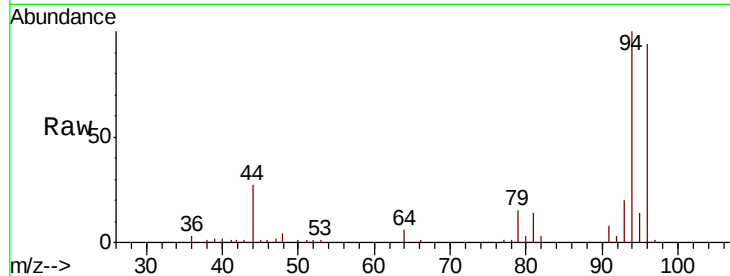
VSTDIC005

Tot Ion: 94 Resp: 23851

Ion Ratio Lower Upper

94 100

96 93.2 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VU033956.D

Ion 95.90 (95.60 to 96.60): VU033956.D

1.60

20000

15000

10000

5000

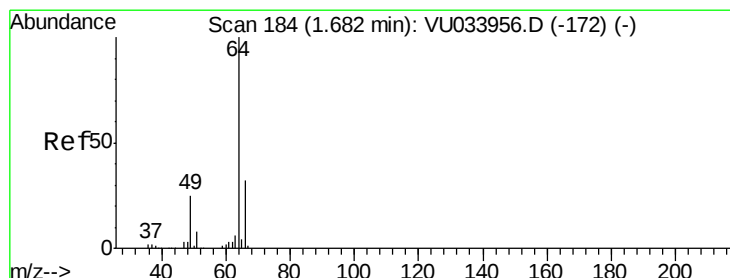
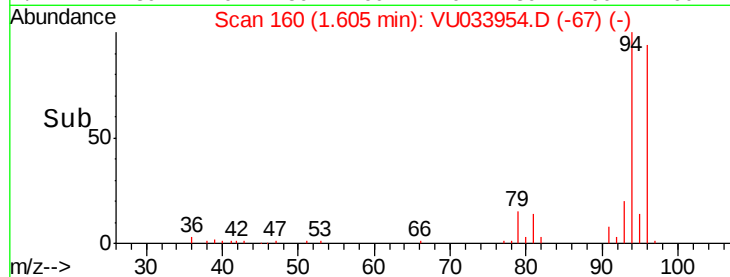
0

Time-->

1.55

1.60

1.65



#6

Chloroethane

Concen: 4.624 ug/l

RT: 1.68 min Scan# 183

Delta R.T. -0.00 min

Lab File: VU033954.D

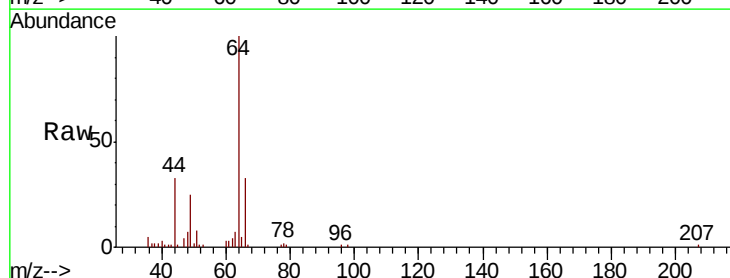
Acq: 26 Aug 2019 17:04

Tgt Ion: 64 Resp: 18350

Ion Ratio Lower Upper

64 100

66 34.4 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VU033956.D

Ion 65.90 (65.60 to 66.60): VU033956.D

1.68

15000

10000

5000

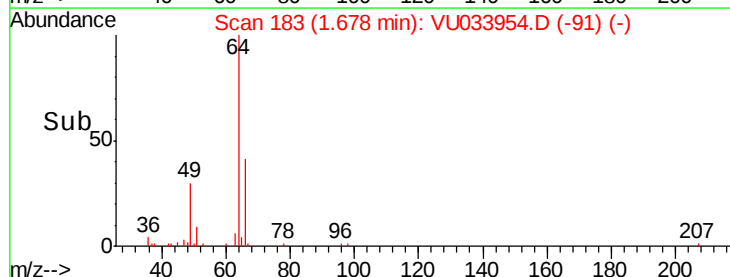
0

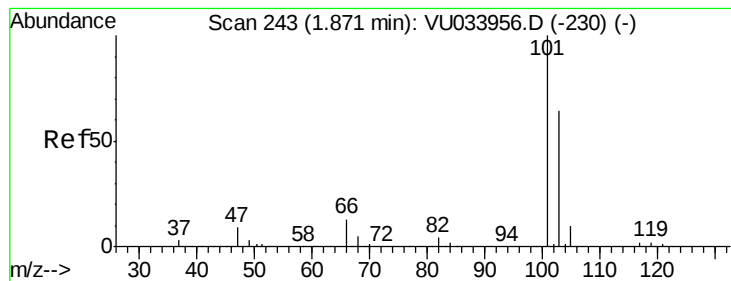
Time-->

1.65

1.70

1.75





#7

Trichlorofluoromethane

Concen: 4.802 ug/l

RT: 1.87 min Scan# 242

Delta R.T. -0.00 min

Lab File: VU033954.D

Acq: 26 Aug 2019 17:04

Instrument :

MSVOA_U

ClientSampled :

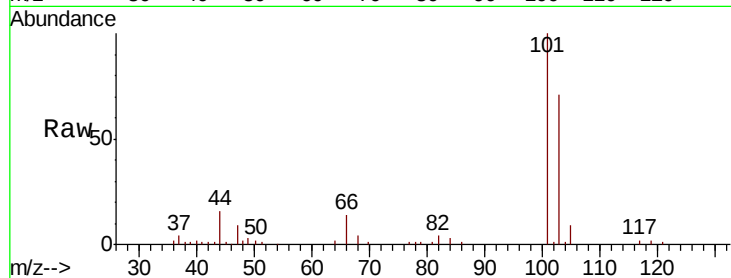
VSTDIC005

Tot Ion:101 Resp: 35765

Ion Ratio Lower Upper

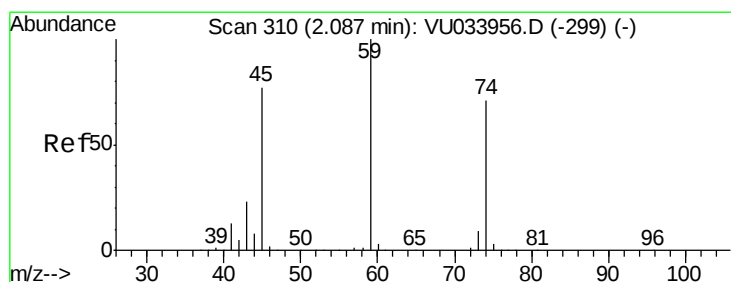
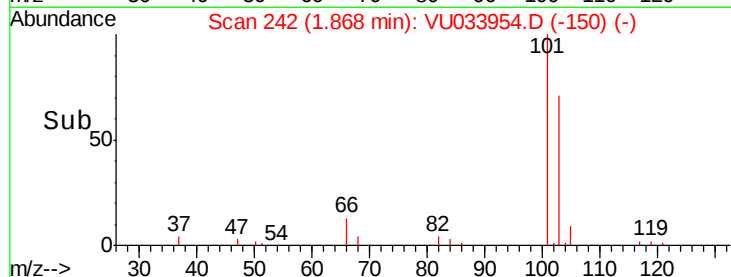
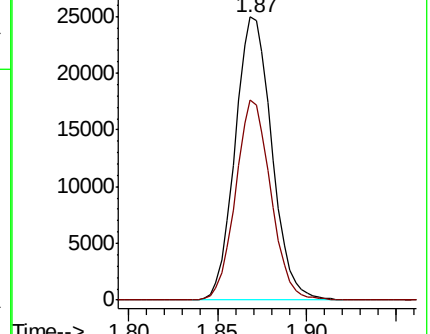
101 100

103 70.7 51.5 77.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 4.387 ug/l

RT: 2.09 min Scan# 310

Delta R.T. -0.00 min

Lab File: VU033954.D

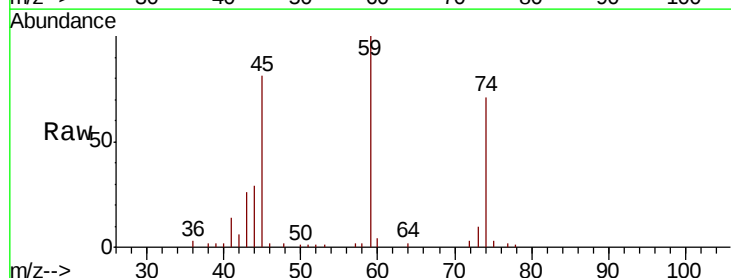
Acq: 26 Aug 2019 17:04

Tgt Ion: 74 Resp: 15096

Ion Ratio Lower Upper

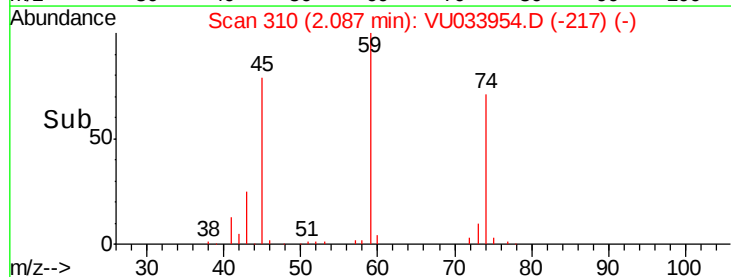
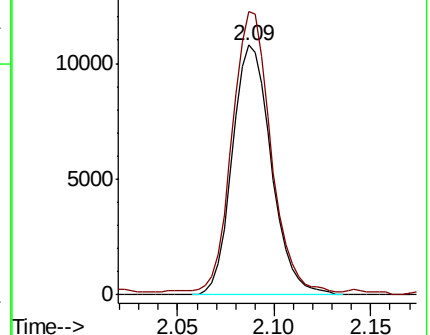
74 100

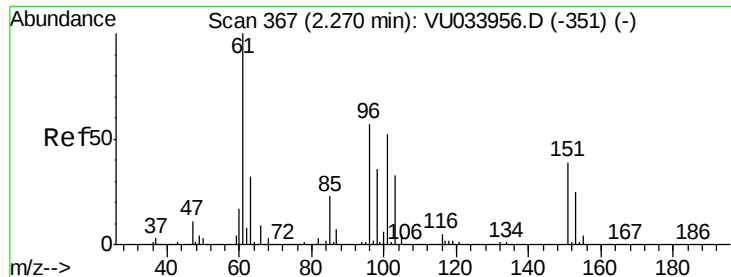
45 109.9 53.9 161.7



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.821 ug/l

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033954.D

Acq: 26 Aug 2019 17:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

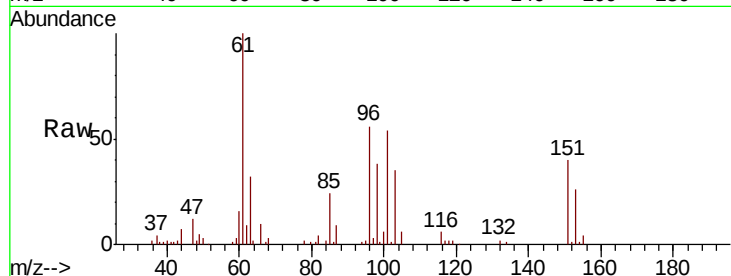
Tot Ion:101 Resp: 21366

Ion Ratio Lower Upper

101 100

85 43.8 35.0 52.6

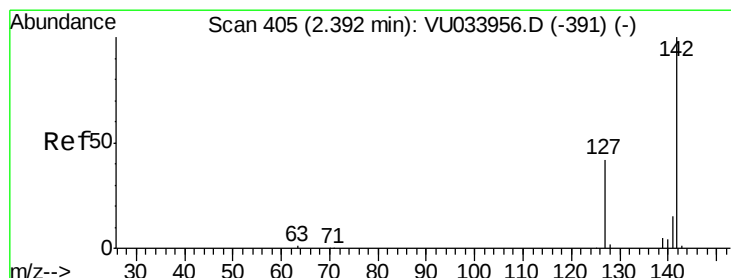
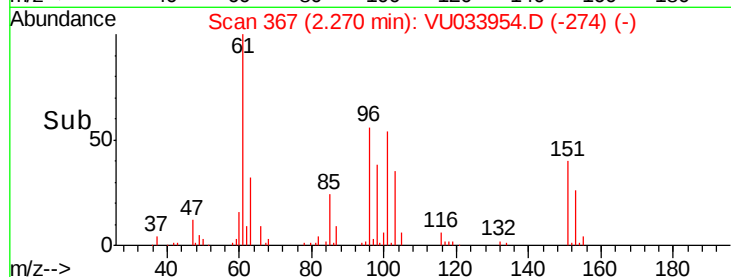
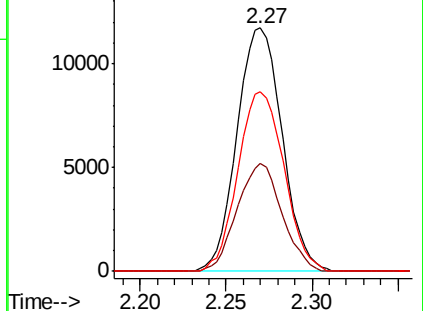
151 75.2 57.9 86.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.922 ug/l

RT: 2.39 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU033954.D

Acq: 26 Aug 2019 17:04

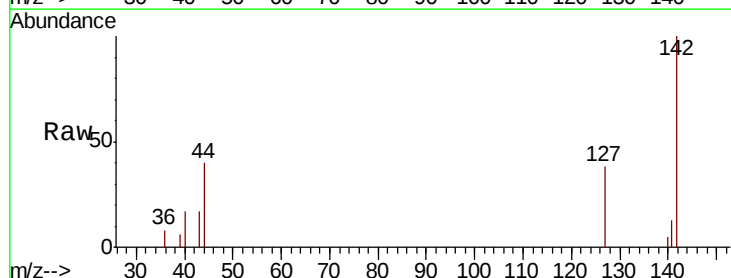
Tgt Ion:142 Resp: 3730

Ion Ratio Lower Upper

142 100

127 39.9 34.3 51.5

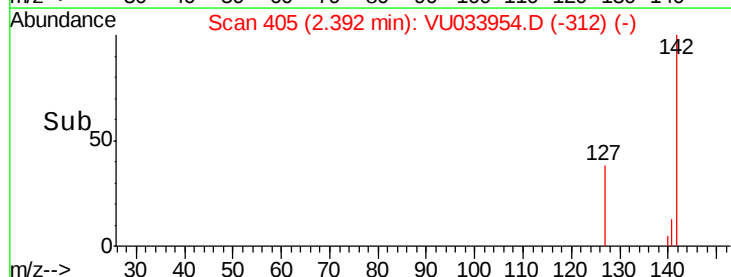
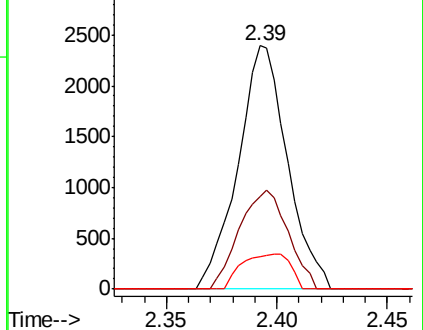
141 14.1 11.8 17.6

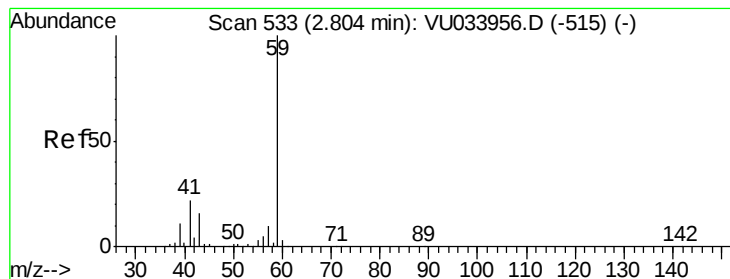


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



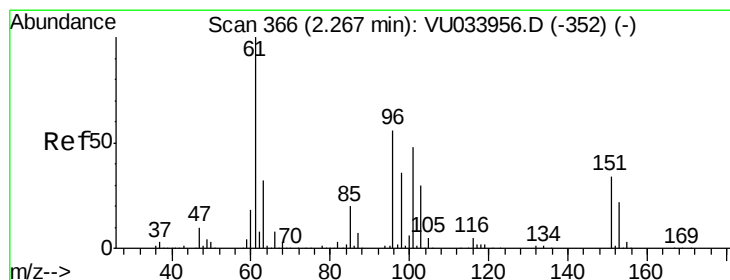
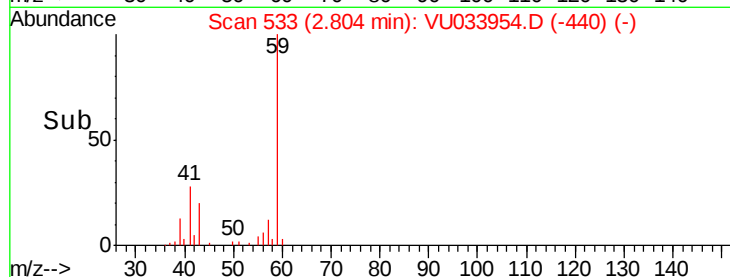
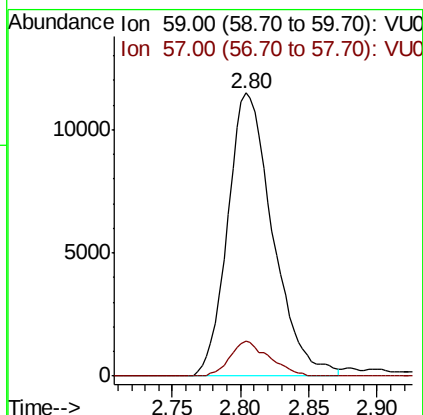
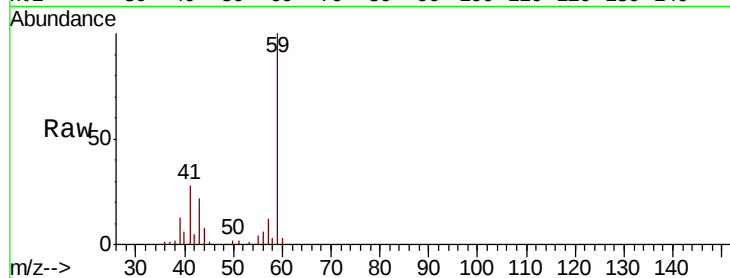


#11

Tert butyl alcohol
 Concen: 19.878 ug/l
 RT: 2.80 min Scan# 533
 Delta R.T. -0.00 min
 Lab File: VU033954.D
 Acq: 26 Aug 2019 17:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

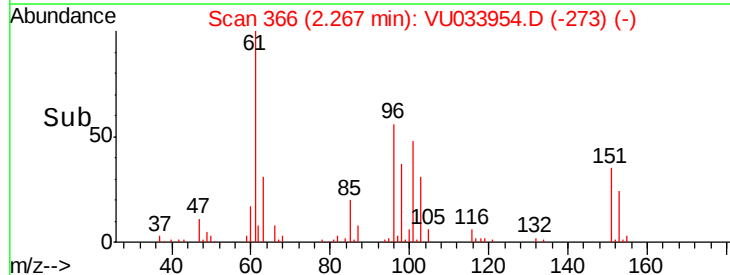
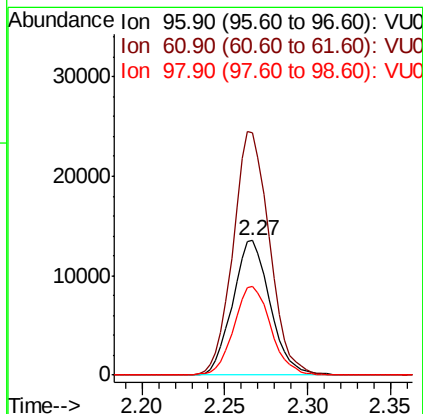
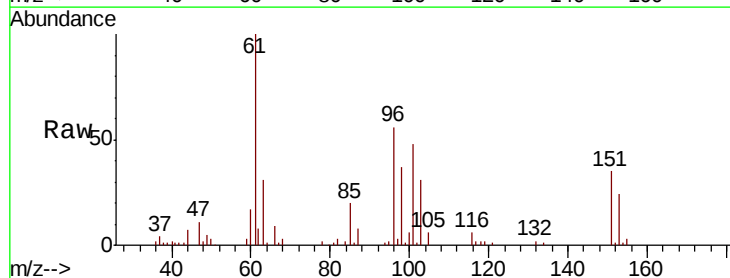
Tot Ion: 59 Resp: 26372
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.2 12.2

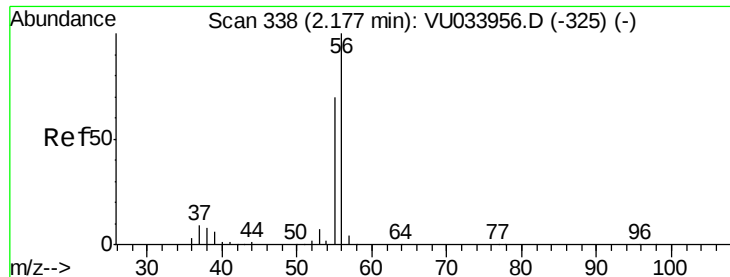


#12

1,1-Dichloroethene
 Concen: 4.822 ug/l
 RT: 2.27 min Scan# 366
 Delta R.T. -0.00 min
 Lab File: VU033954.D
 Acq: 26 Aug 2019 17:04

Tgt Ion: 96 Resp: 21298
 Ion Ratio Lower Upper
 96 100
 61 179.8 142.3 213.5
 98 65.9 51.0 76.6





#13

Acrolein

Concen: 17.219 ug/l

RT: 2.18 min Scan# 338

Delta R.T. -0.00 min

Lab File: VU033954.D

Acq: 26 Aug 2019 17:04

Instrument :

MSVOA_U

ClientSampleId :

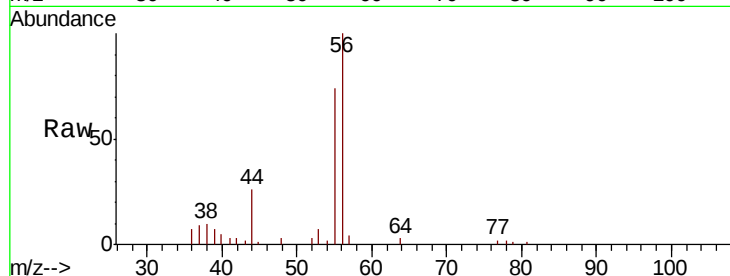
VSTDIC005

Tot Ion: 56 Resp: 17345

Ion Ratio Lower Upper

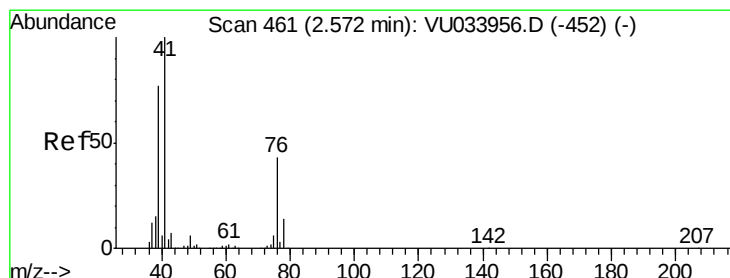
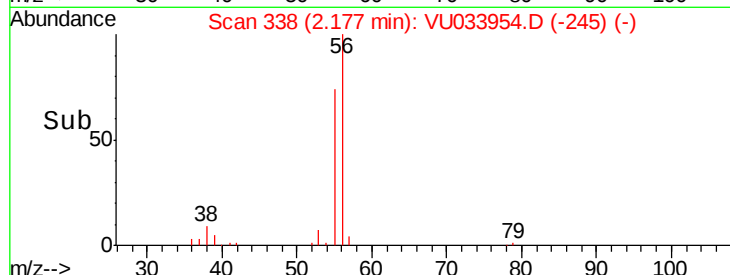
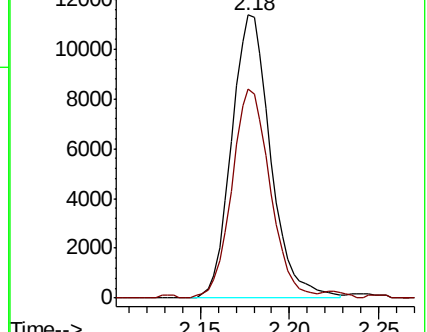
56 100

55 72.2 56.3 84.5



Abundance Ion 56.00 (55.70 to 56.70): VU033956.D (-325) (-)

Ion 55.00 (54.70 to 55.70): VU033956.D (-325) (-)



#14

Allyl chloride

Concen: 3.952 ug/l

RT: 2.57 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU033954.D

Acq: 26 Aug 2019 17:04

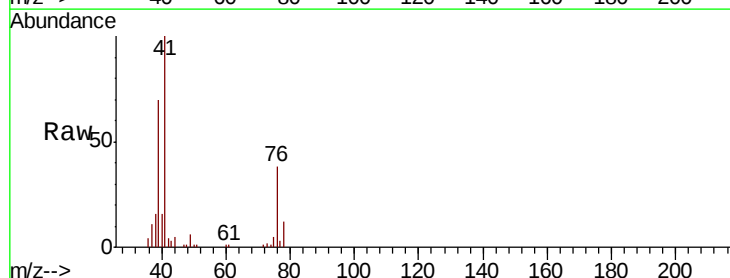
Tgt Ion: 41 Resp: 39760

Ion Ratio Lower Upper

41 100

39 62.5 56.4 84.6

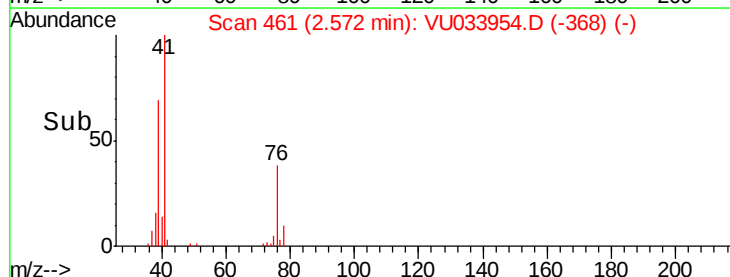
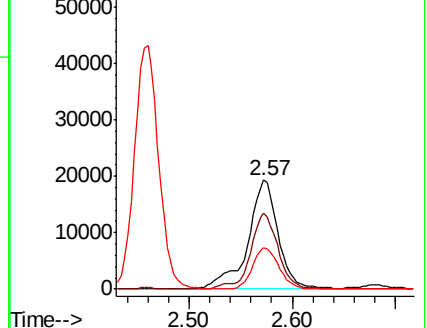
76 32.2 29.2 43.8

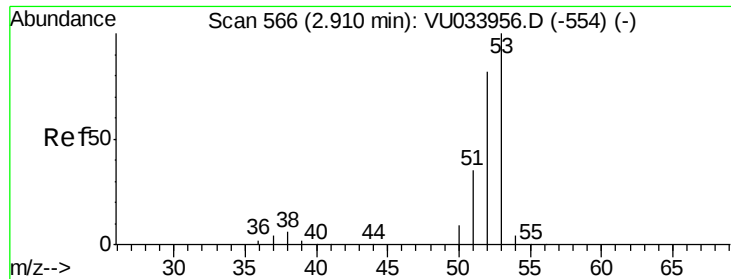


Abundance Ion 41.00 (40.70 to 41.70): VU033956.D (-452) (-)

Ion 39.00 (38.70 to 39.70): VU033956.D (-452) (-)

Ion 75.90 (75.60 to 76.60): VU033956.D (-452) (-)





#15

Acrylonitrile

Concen: 20.834 ug/l

RT: 2.92 min Scan# 568

Delta R.T. 0.01 min

Lab File: VU033954.D

Acq: 26 Aug 2019 17:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

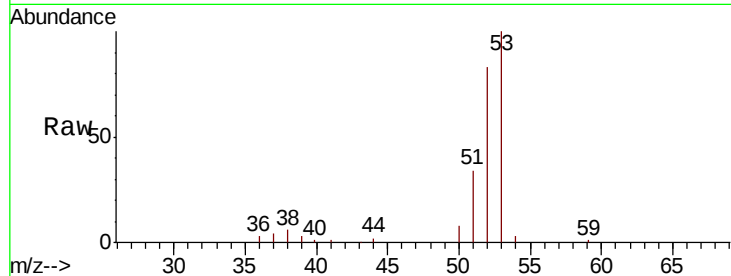
Tot Ion: 53 Resp: 76463

Ion Ratio Lower Upper

53 100

52 79.5 65.2 97.8

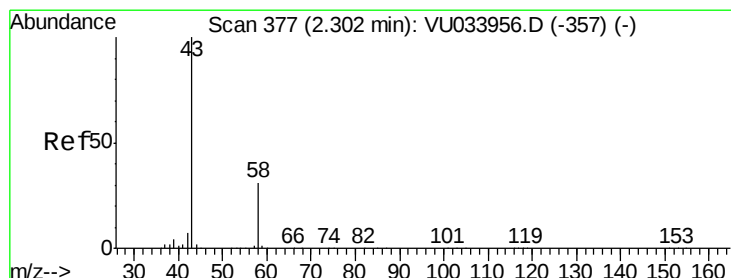
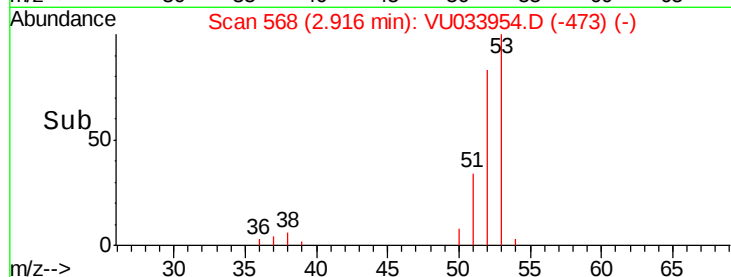
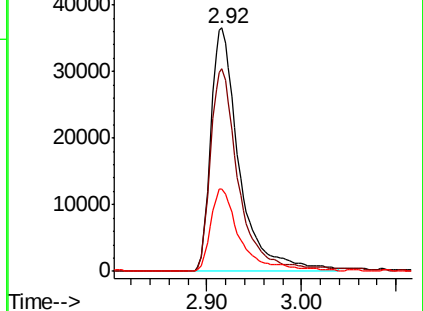
51 35.4 28.6 43.0



Abundance Ion 53.00 (52.70 to 53.70): VU033954.D (-554) (-)

Ion 52.00 (51.70 to 52.70): VU033954.D (-554) (-)

Ion 51.00 (50.70 to 51.70): VU033954.D (-554) (-)



#16

Acetone

Concen: 22.436 ug/l

RT: 2.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: VU033954.D

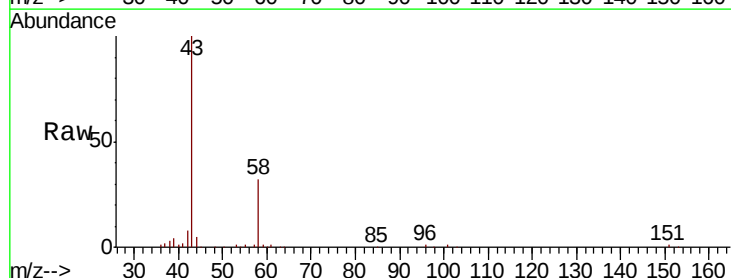
Acq: 26 Aug 2019 17:04

Tgt Ion: 43 Resp: 86937

Ion Ratio Lower Upper

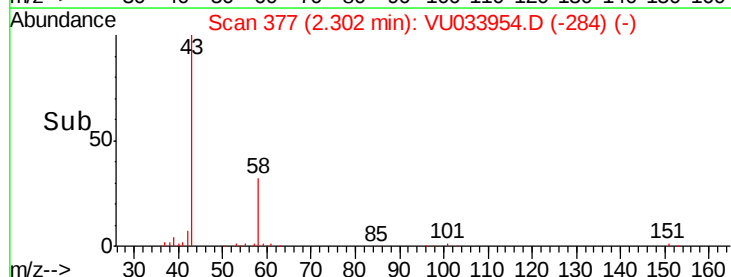
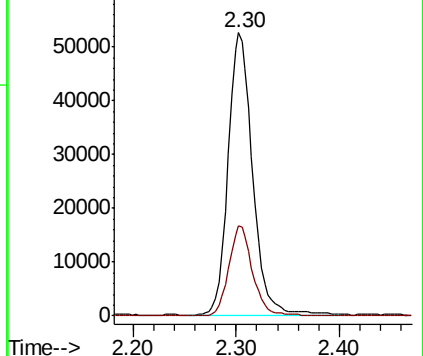
43 100

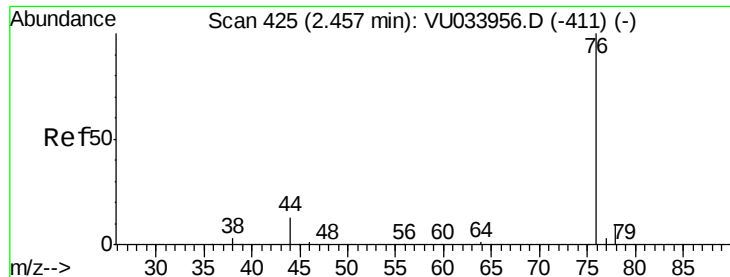
58 31.9 24.5 36.7



Abundance Ion 43.00 (42.70 to 43.70): VU033954.D (-284) (-)

Ion 58.00 (57.70 to 58.70): VU033954.D (-284) (-)

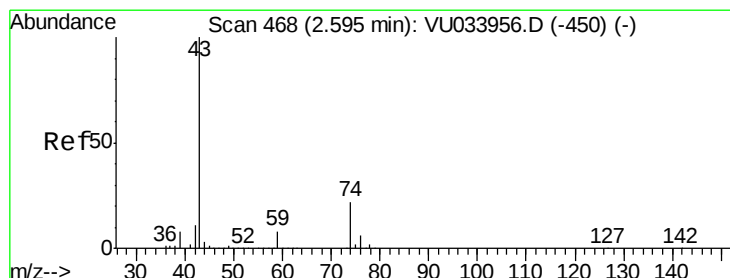
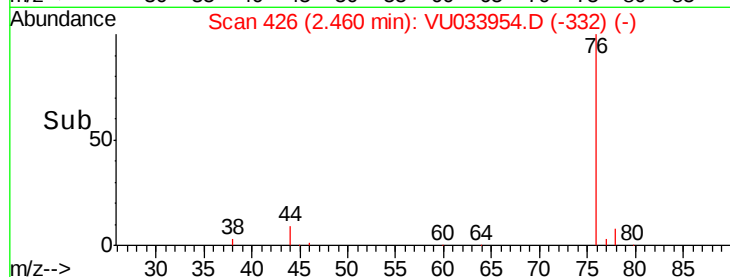
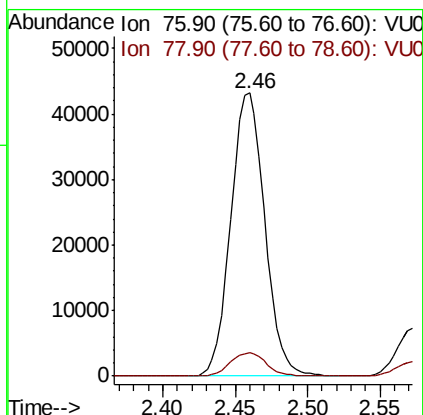
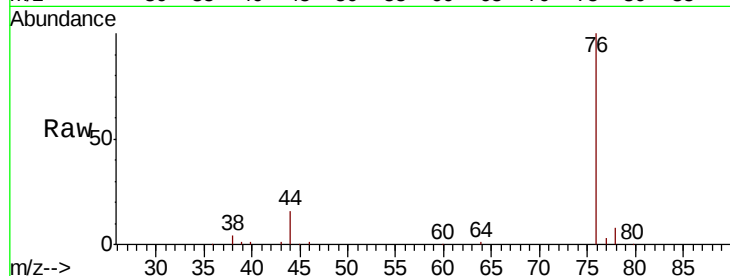




#17
Carbon Disulfide
Concen: 4.455 ug/l
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VU033954.D
Acq: 26 Aug 2019 17:04

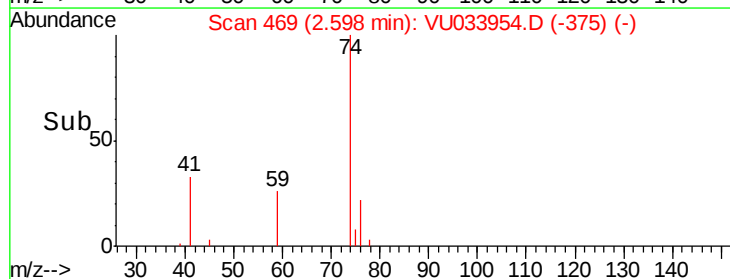
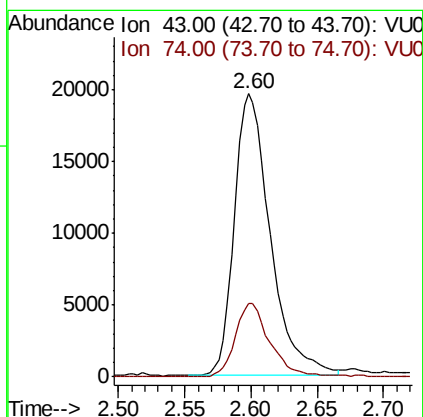
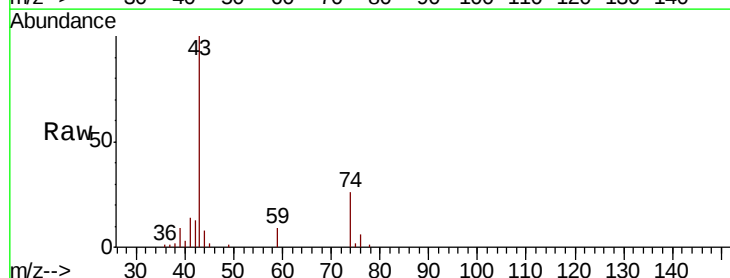
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

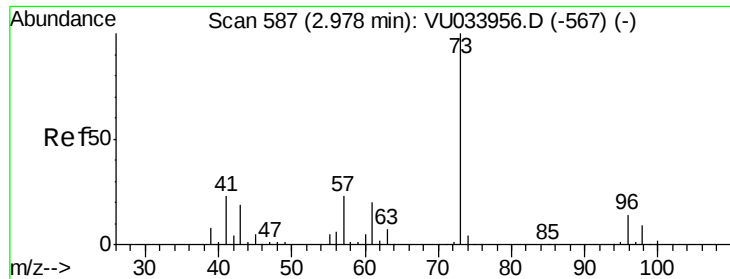
Tot Ion: 76 Resp: 70244
Ion Ratio Lower Upper
76 100
78 8.1 7.0 10.4



#18
Methyl Acetate
Concen: 3.787 ug/l
RT: 2.60 min Scan# 469
Delta R.T. 0.00 min
Lab File: VU033954.D
Acq: 26 Aug 2019 17:04

Tgt Ion: 43 Resp: 37101
Ion Ratio Lower Upper
43 100
74 25.1 18.2 27.2

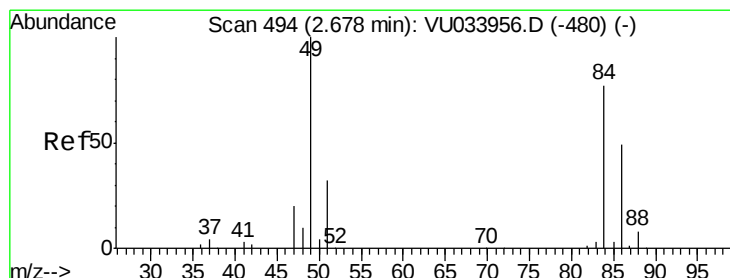
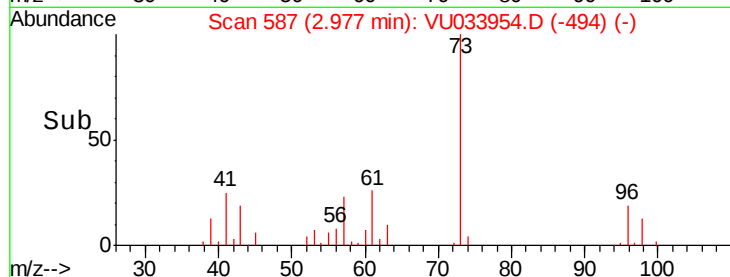
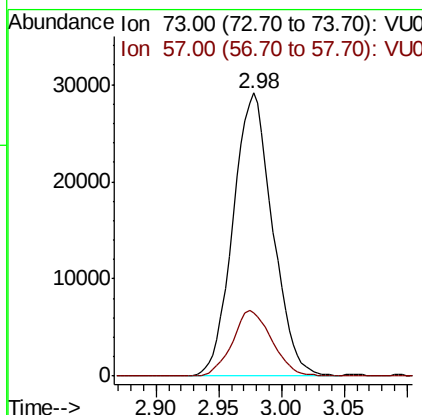
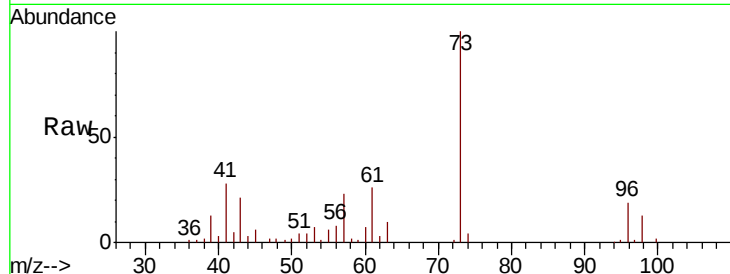




#19
Methvl tert-butvl Ether
Concen: 3.865 ug/l
RT: 2.98 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU033954.D
Acq: 26 Aug 2019 17:04

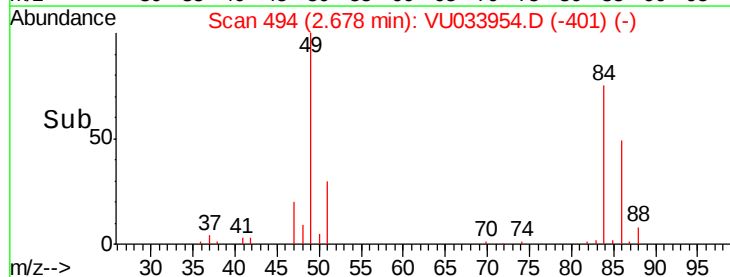
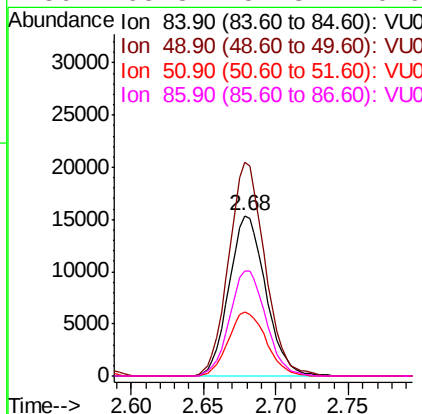
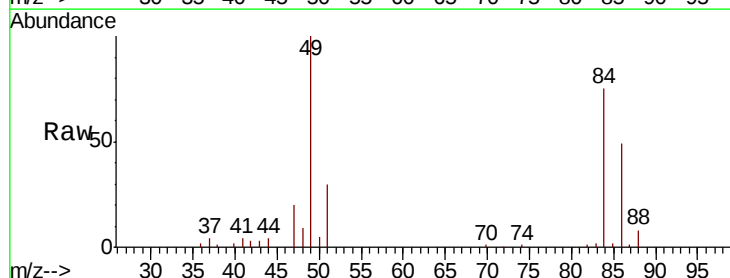
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

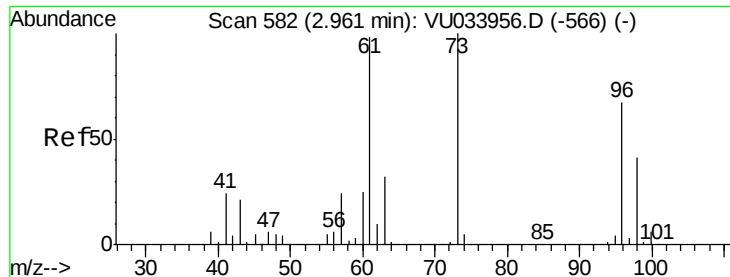
Tot Ion: 73 Resp: 63651
Ion Ratio Lower Upper
73 100
57 22.5 18.3 27.5



#20
Methylene Chloride
Concen: 4.641 ug/l
RT: 2.68 min Scan# 494
Delta R.T. -0.00 min
Lab File: VU033954.D
Acq: 26 Aug 2019 17:04

Tgt Ion: 84 Resp: 26961
Ion Ratio Lower Upper
84 100
49 133.3 104.1 156.1
51 39.6 33.0 49.6
86 65.8 51.3 76.9

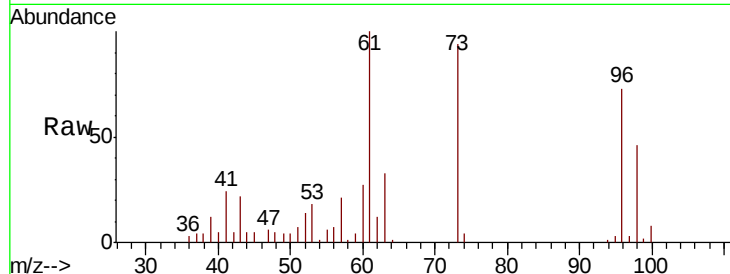




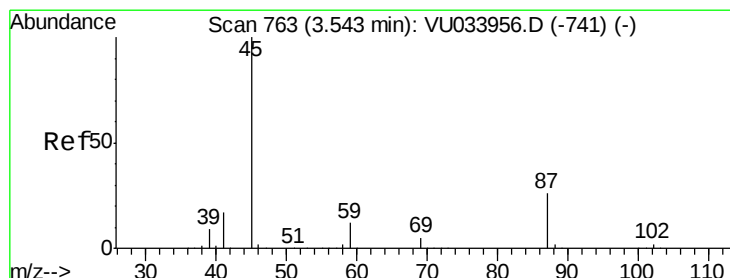
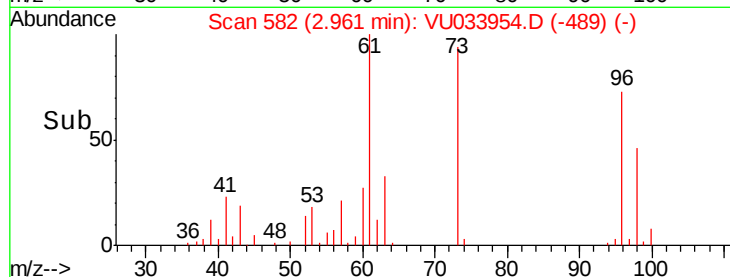
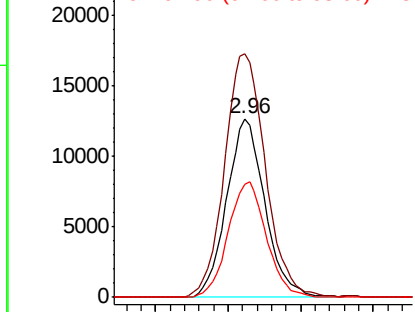
#21
trans-1,2-Dichloroethene
Concen: 4.665 ug/l
RT: 2.96 min Scan# 582
Delta R.T. -0.00 min
Lab File: VU033954.D
Acq: 26 Aug 2019 17:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion: 96 Resp: 23224
Ion Ratio Lower Upper
96 100
61 136.2 117.8 176.8
98 63.0 49.8 74.8

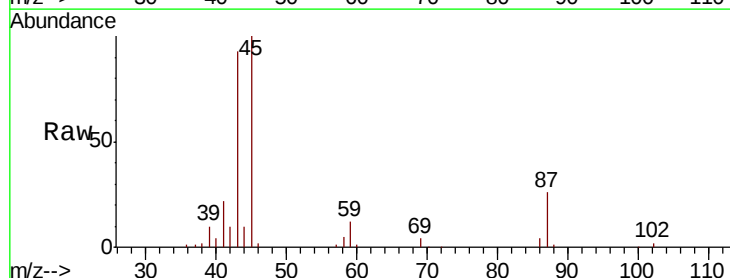


Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0

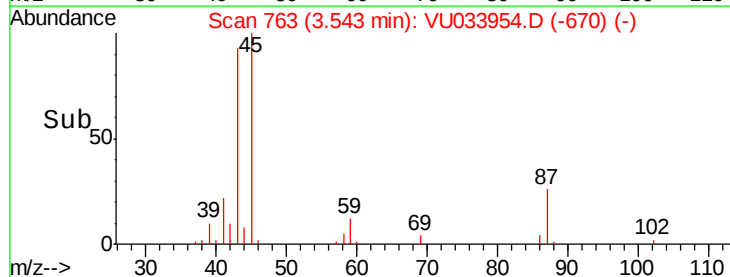
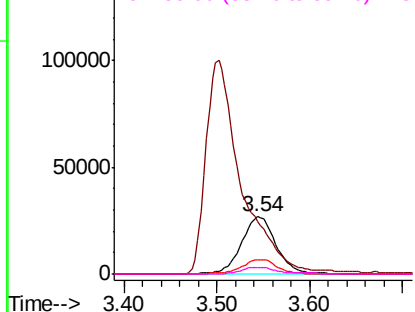


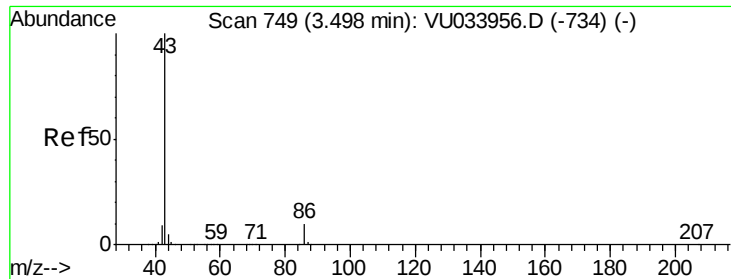
#22
Diisopropyl ether
Concen: 3.548 ug/l
RT: 3.54 min Scan# 763
Delta R.T. -0.00 min
Lab File: VU033954.D
Acq: 26 Aug 2019 17:04

Tgt Ion: 45 Resp: 69703
Ion Ratio Lower Upper
45 100
43 90.9 50.6 76.0#
87 25.7 21.2 31.8
59 11.6 9.6 14.4



Abundance Ion 45.00 (44.70 to 45.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 59.00 (58.70 to 59.70): VU0

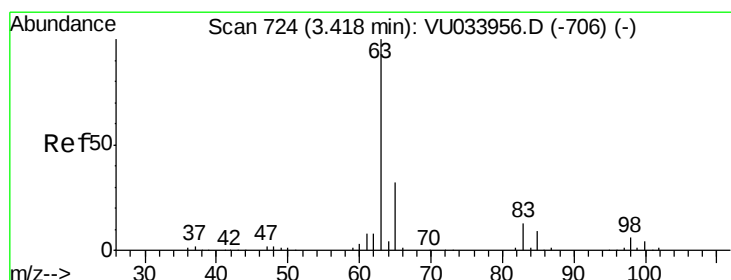
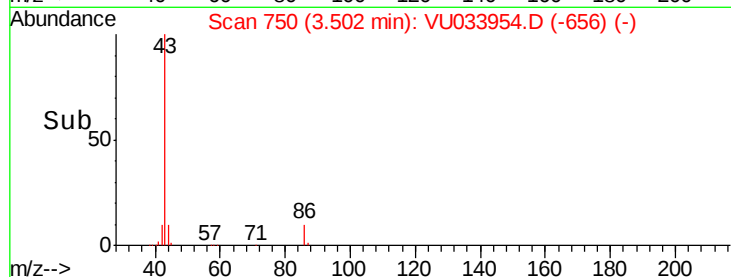
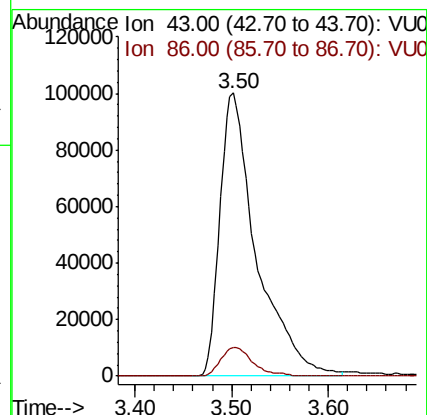
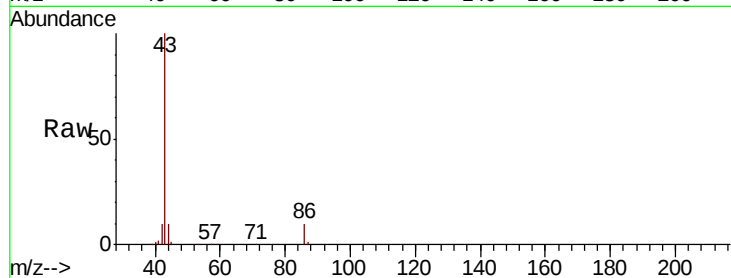




#23
 Vinyl Acetate
 Concen: 16.209 ug/l
 RT: 3.50 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: VU033954.D
 Acq: 26 Aug 2019 17:04

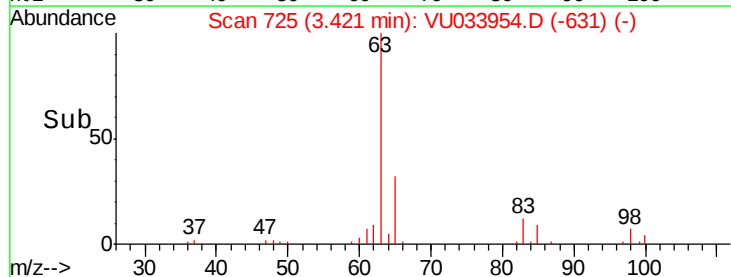
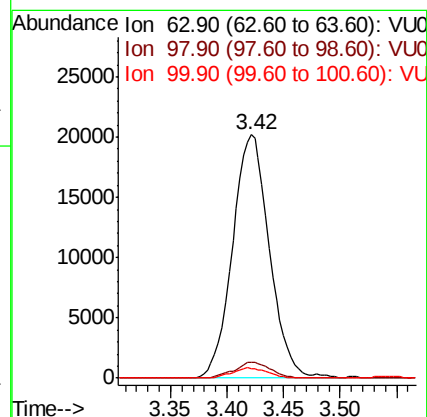
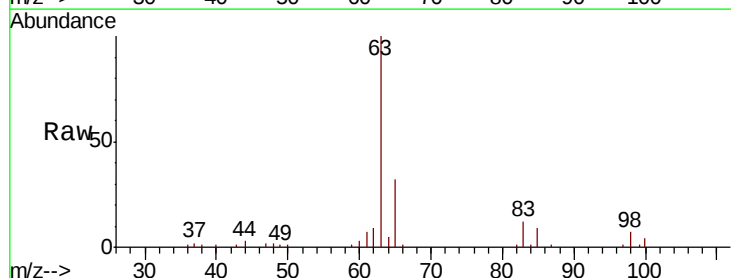
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

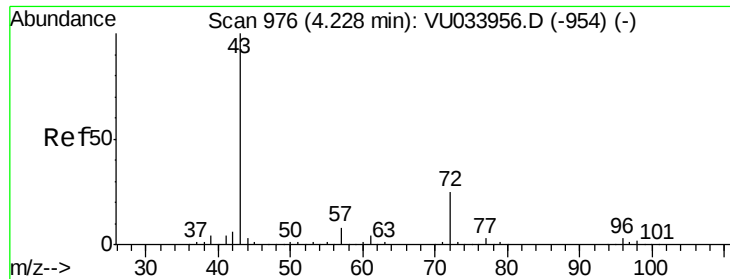
Tot Ion: 43 Resp: 264843
 Ion Ratio Lower Upper
 43 100
 86 10.3 8.2 12.4



#24
 1,1-Dichloroethane
 Concen: 4.379 ug/l
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU033954.D
 Acq: 26 Aug 2019 17:04

Tgt Ion: 63 Resp: 45823
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.2 9.6
 100 4.0 2.1 6.5





#25

2-Butanone

Concen: 19.321 ug/l

RT: 4.24 min Scan# 979

Delta R.T. 0.01 min

Lab File: VU033954.D

Acq: 26 Aug 2019 17:04

Instrument :

MSVOA_U

ClientSampleId :

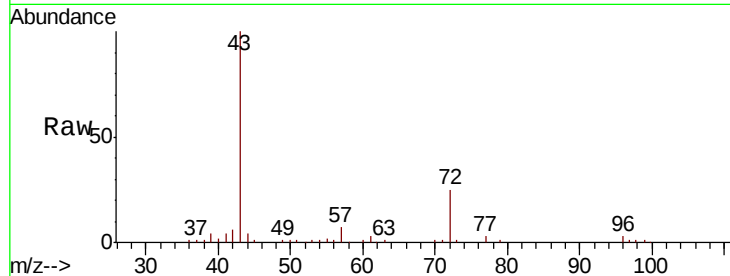
VSTDIC005

Tot Ion: 43 Resp: 101734

Ion Ratio Lower Upper

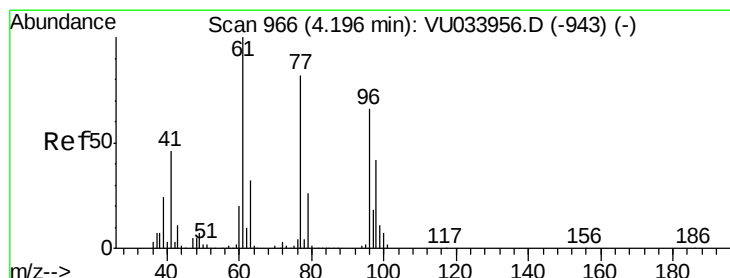
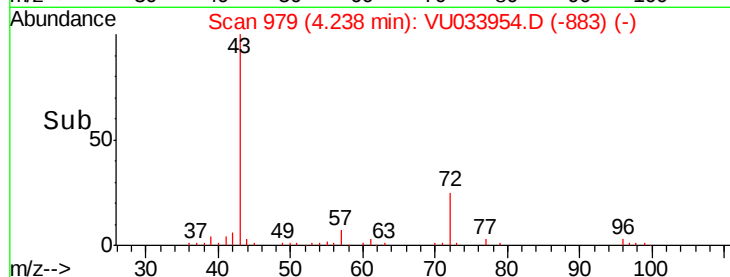
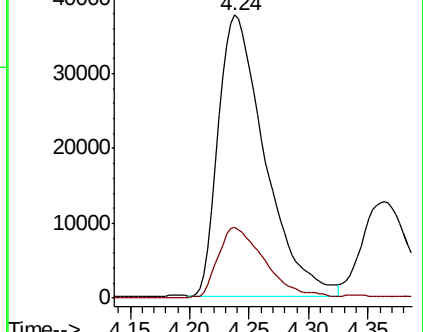
43 100

72 25.2 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VU033954.D (-954) (-)

Ion 72.00 (71.70 to 72.70): VU033954.D (-954) (-)



#26

2,2-Dichloropropane

Concen: 4.350 ug/l

RT: 4.19 min Scan# 965

Delta R.T. -0.00 min

Lab File: VU033954.D

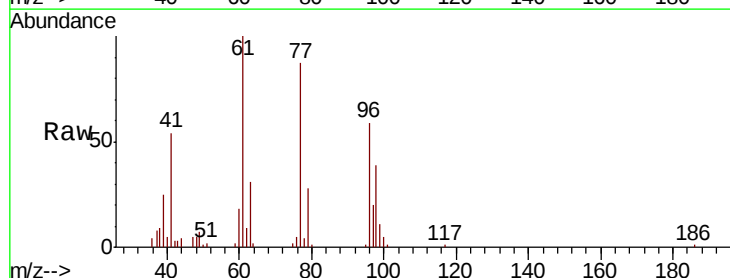
Acq: 26 Aug 2019 17:04

Tgt Ion: 77 Resp: 36247

Ion Ratio Lower Upper

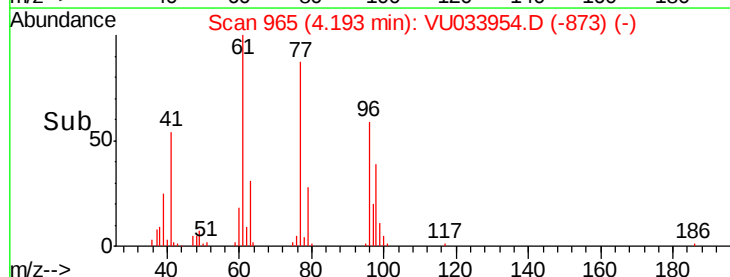
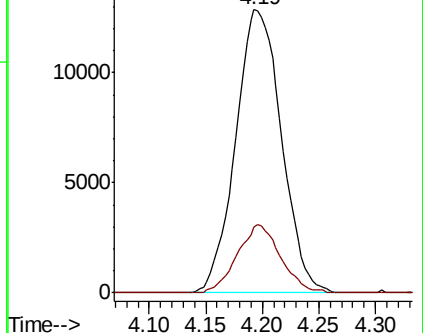
77 100

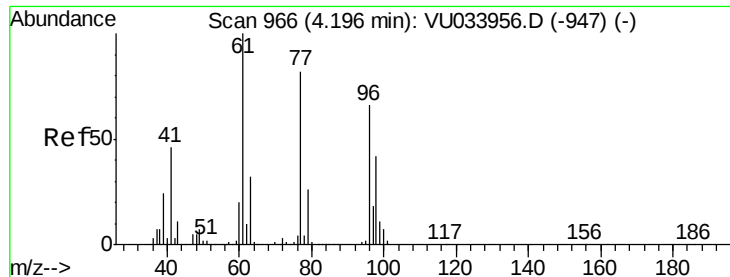
97 22.6 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VU033954.D (-943) (-)

Ion 96.90 (96.60 to 97.60): VU033954.D (-943) (-)



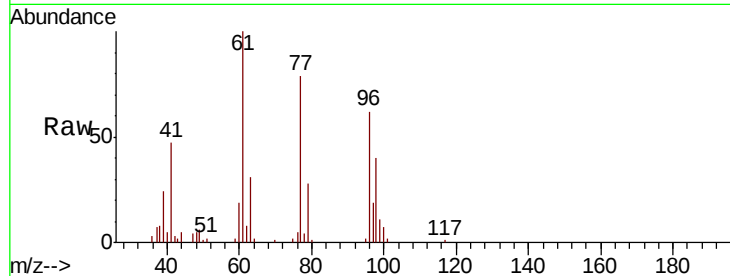


#27

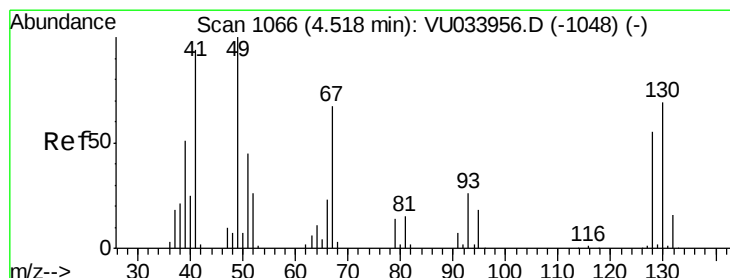
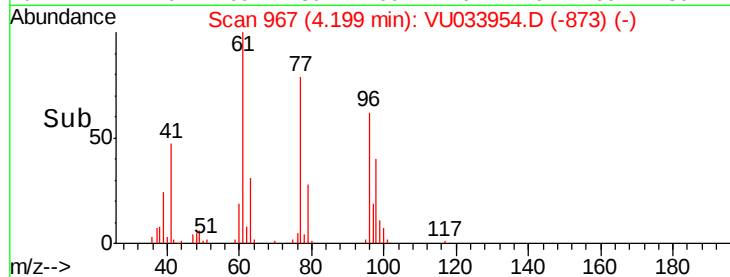
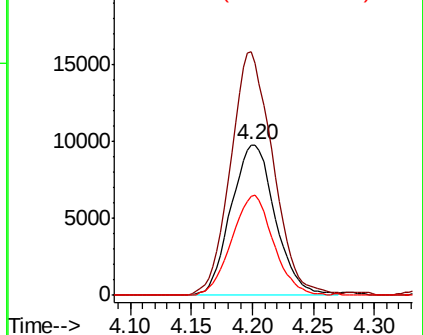
cis-1,2-Dichloroethene
 Concen: 4.413 ug/l
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU033954.D
 Acq: 26 Aug 2019 17:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion: 96 Resp: 24669
 Ion Ratio Lower Upper
 96 100
 61 155.7 0.0 312.2
 98 62.8 0.0 129.4



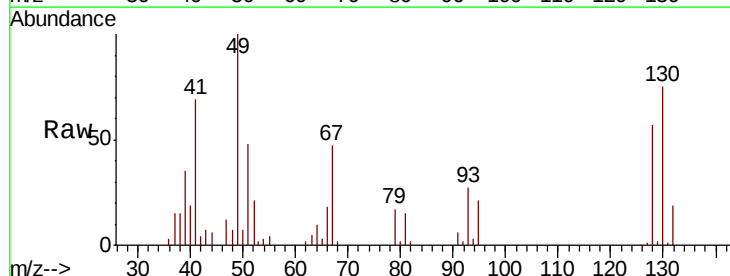
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



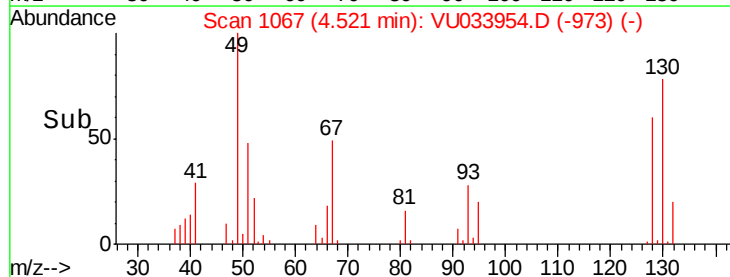
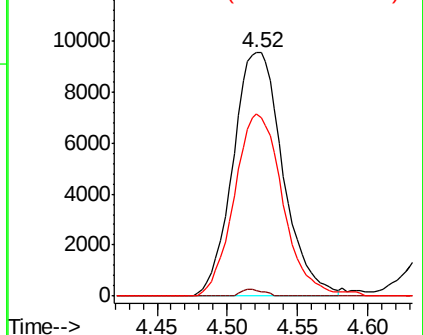
#28

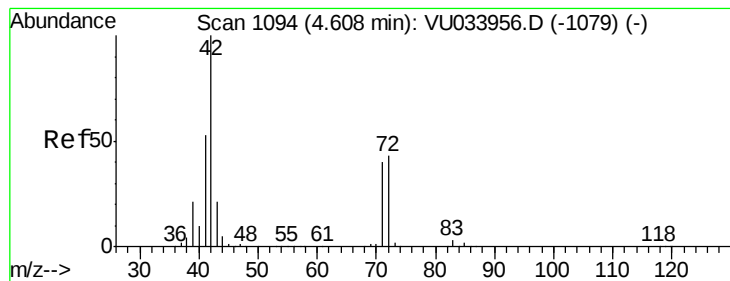
Bromochloromethane
 Concen: 4.975 ug/l
 RT: 4.52 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VU033954.D
 Acq: 26 Aug 2019 17:04

Tgt Ion: 49 Resp: 23585
 Ion Ratio Lower Upper
 49 100
 129 1.2 0.0 3.6
 130 73.0 56.2 84.4



Abundance Ion 48.90 (48.60 to 49.60): VU0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 17.348 ug/l

RT: 4.61 min Scan# 1096

Delta R.T. 0.01 min

Lab File: VU033954.D

Acq: 26 Aug 2019 17:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

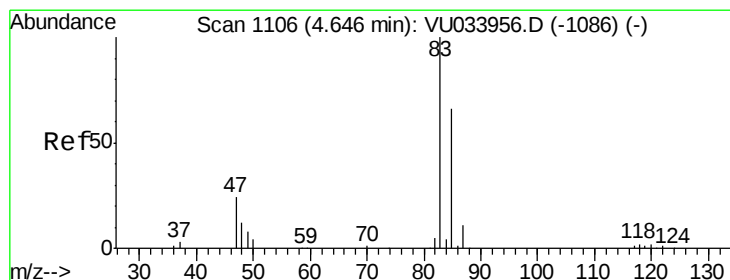
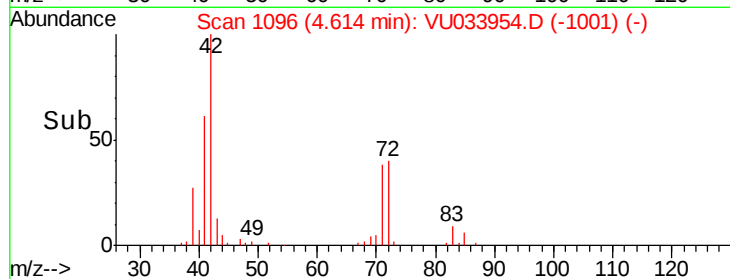
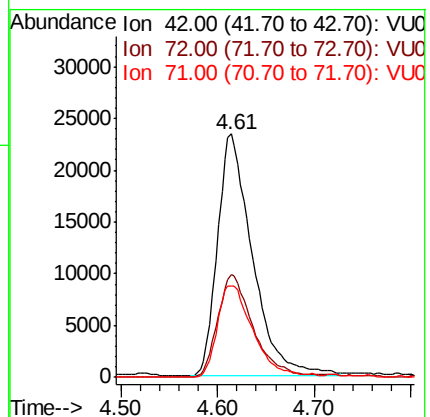
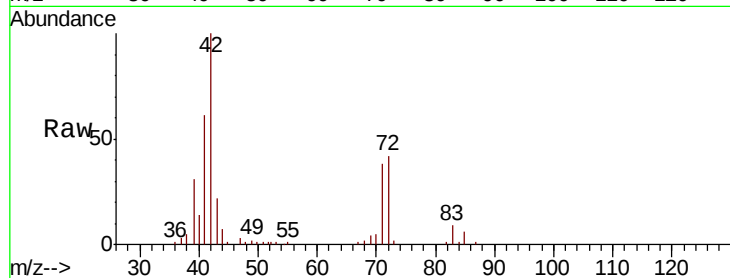
Tot Ion: 42 Resp: 58400

Ion Ratio Lower Upper

42 100

72 43.5 34.6 52.0

71 38.9 32.1 48.1



#30

Chloroform

Concen: 5.019 ug/l

RT: 4.65 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VU033954.D

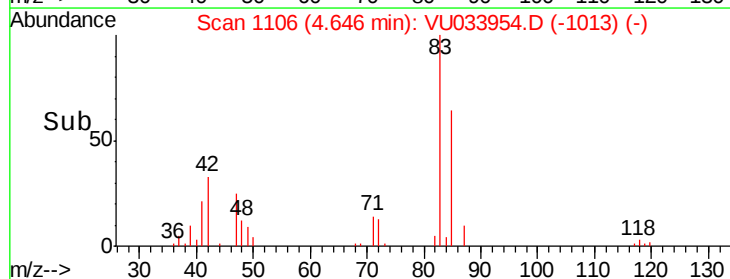
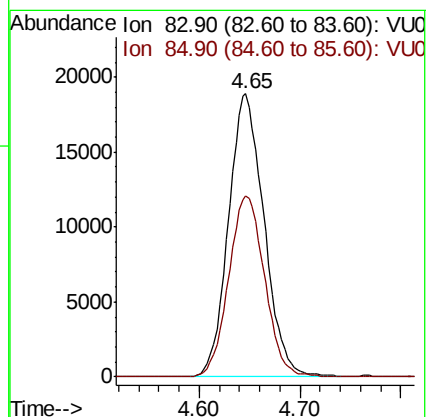
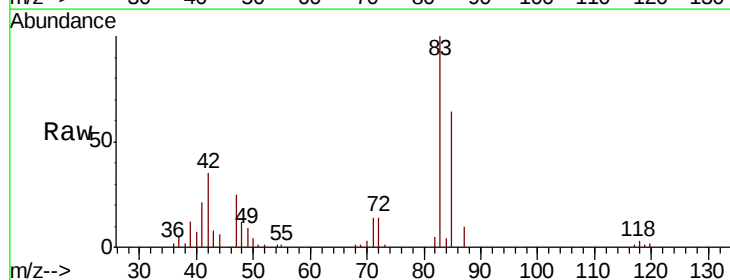
Acq: 26 Aug 2019 17:04

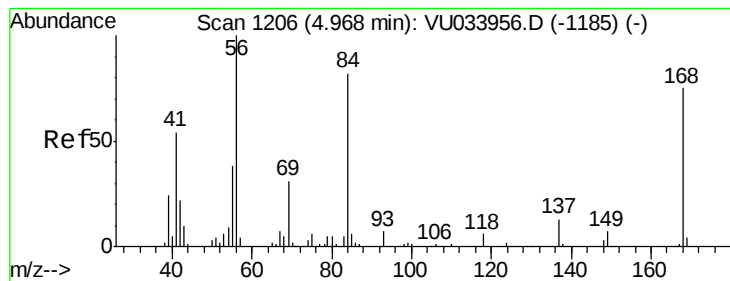
Tgt Ion: 83 Resp: 46303

Ion Ratio Lower Upper

83 100

85 63.9 52.4 78.6





#31

Cyclohexane

Concen: 3.632 ug/l

RT: 4.97 min Scan# 1206

Delta R.T. -0.00 min

Lab File: VU033954.D

Acq: 26 Aug 2019 17:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

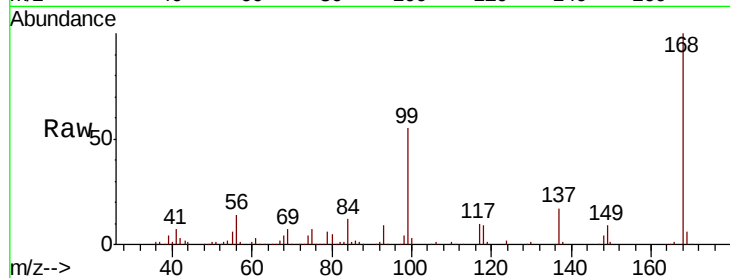
Tot Ion: 56 Resp: 44256

Ion Ratio Lower Upper

56 100

69 49.7 24.6 37.0#

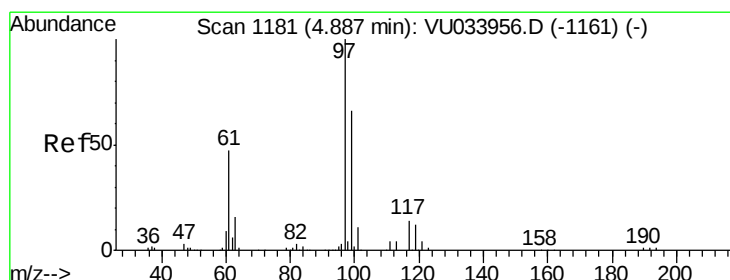
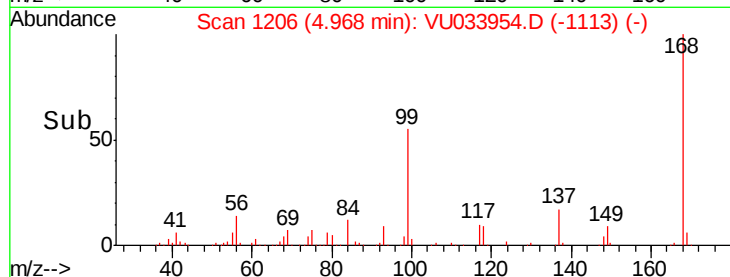
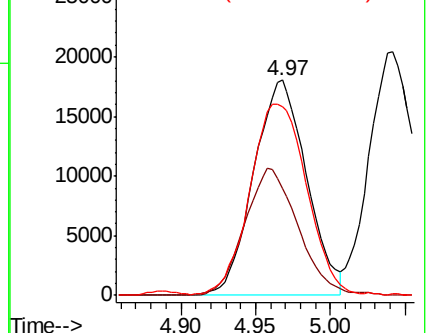
84 87.9 65.4 98.0



Abundance Ion 56.00 (55.70 to 56.70): VU033956.D (-1185) (-)

Ion 69.00 (68.70 to 69.70): VU033956.D (-1185) (-)

Ion 84.00 (83.70 to 84.70): VU033956.D (-1185) (-)



#32

1,1,1-Trichloroethane

Concen: 4.881 ug/l

RT: 4.89 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU033954.D

Acq: 26 Aug 2019 17:04

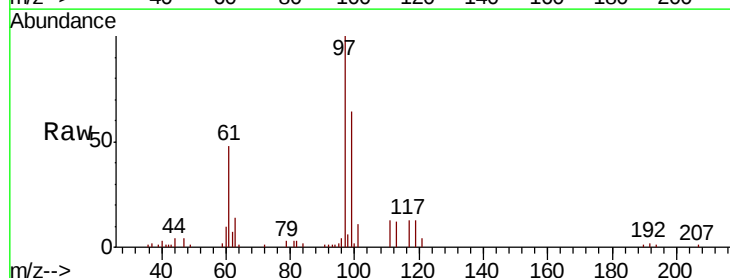
Tgt Ion: 97 Resp: 37461

Ion Ratio Lower Upper

97 100

99 61.5 51.4 77.0

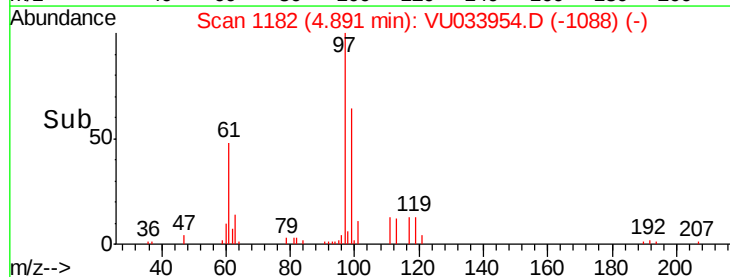
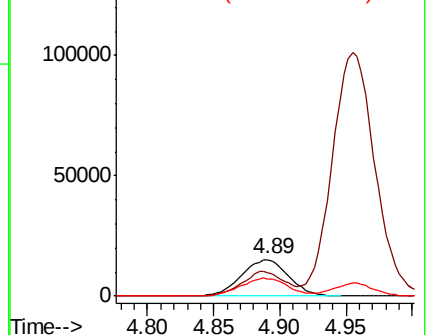
61 49.2 38.4 57.6

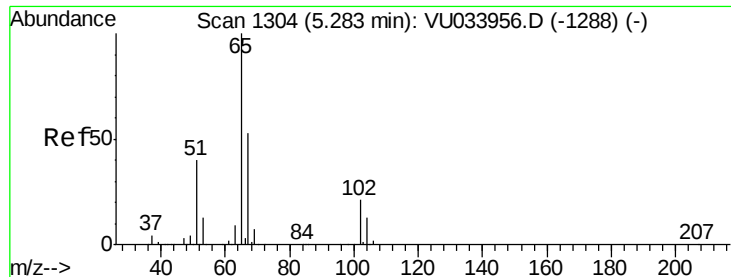


Abundance Ion 96.90 (96.60 to 97.60): VU033956.D (-1161) (-)

Ion 98.90 (98.60 to 99.60): VU033956.D (-1161) (-)

Ion 60.90 (60.60 to 61.60): VU033956.D (-1161) (-)

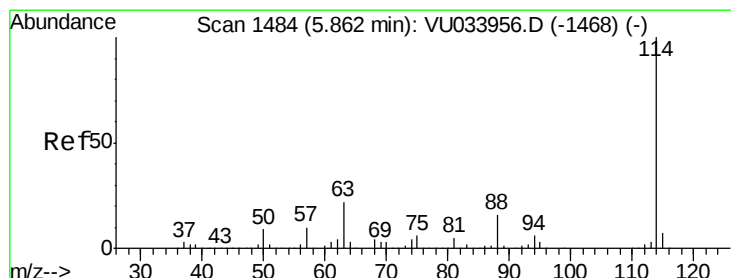
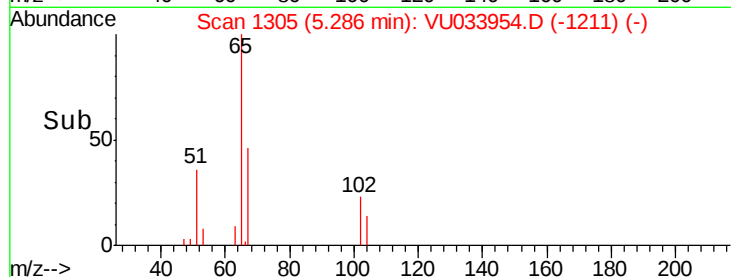
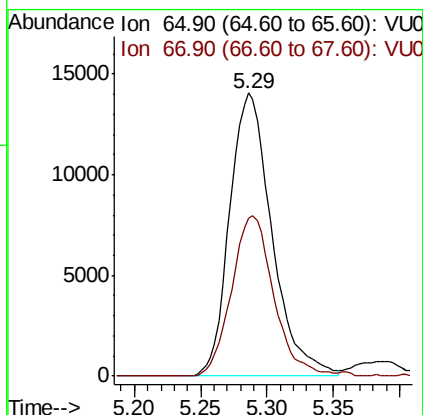
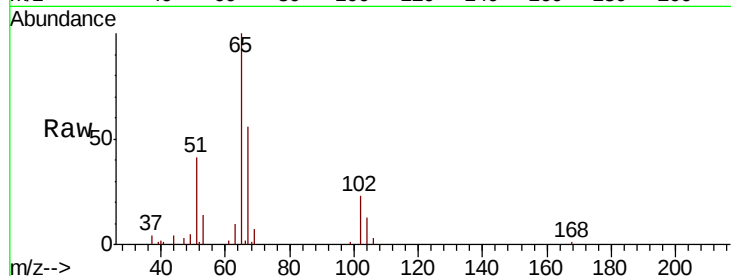




#33
 1,2-Dichloroethane-d4
 Concen: 5.242 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU033954.D
 Acq: 26 Aug 2019 17:04

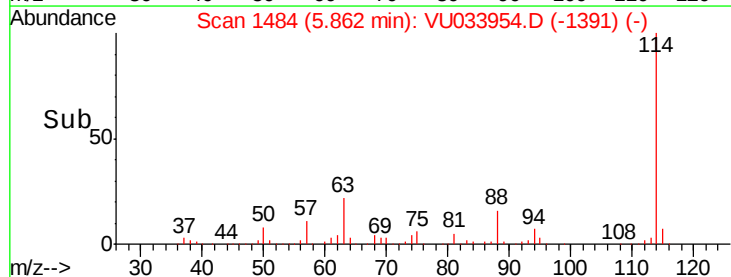
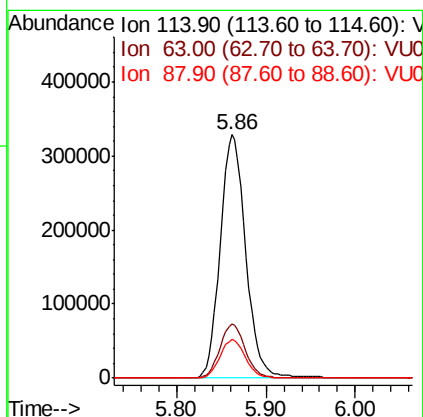
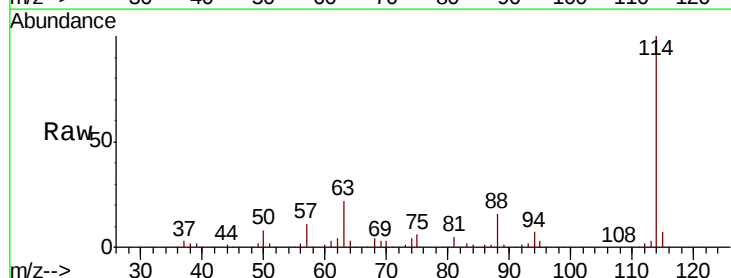
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

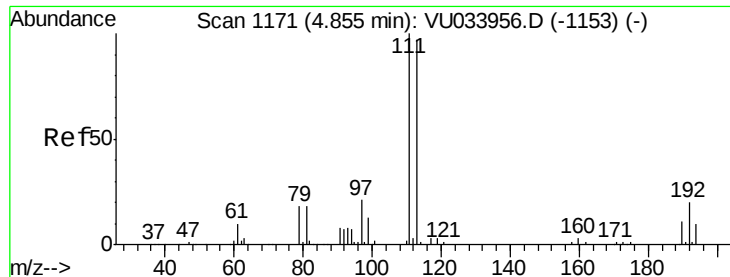
Tot Ion: 65 Resp: 31199
 Ion Ratio Lower Upper
 65 100
 67 56.4 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VU033954.D
 Acq: 26 Aug 2019 17:04

Tgt Ion: 114 Resp: 651504
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 44.2
 88 15.8 0.0 32.0

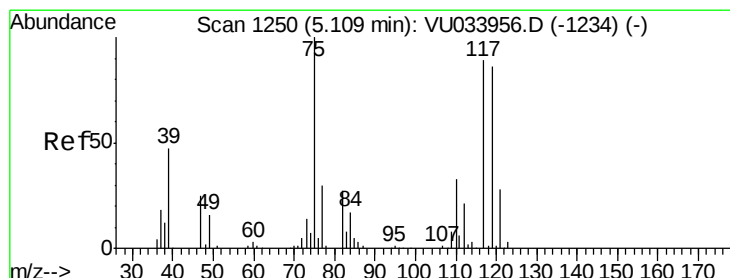
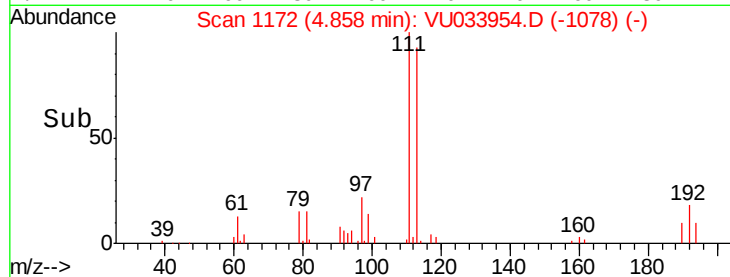
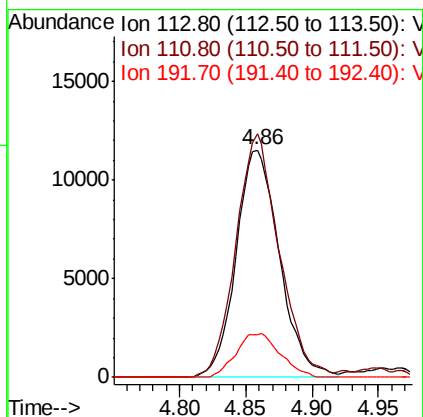
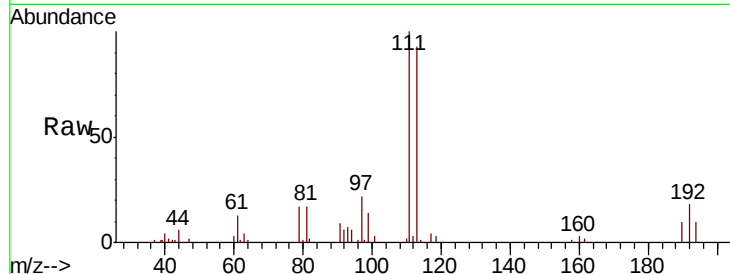




#35
 Dibromofluoromethane
 Concen: 6.370 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU033954.D
 Acq: 26 Aug 2019 17:04

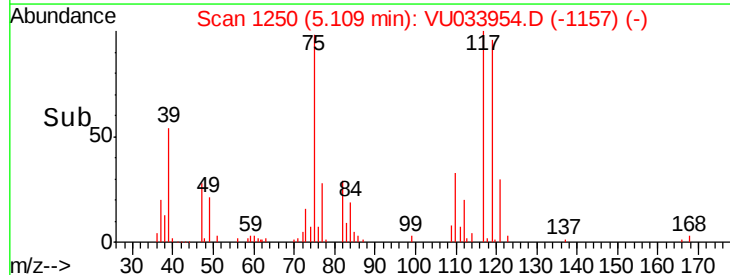
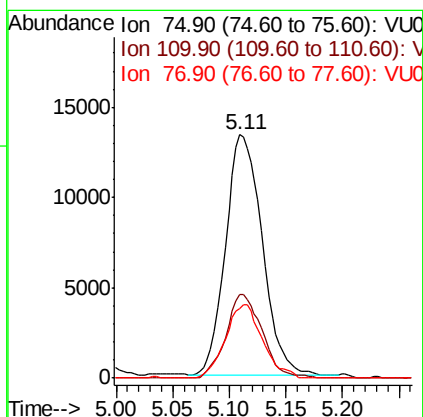
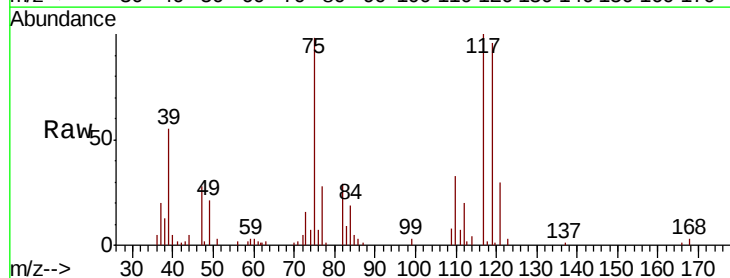
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

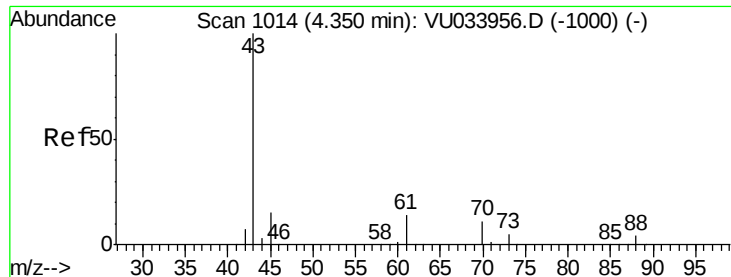
Tot Ion:113 Resp: 26215
 Ion Ratio Lower Upper
 113 100
 111 106.6 82.0 123.0
 192 19.6 16.2 24.4



#36
 1,1-Dichloropropene
 Concen: 4.269 ug/l
 RT: 5.11 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VU033954.D
 Acq: 26 Aug 2019 17:04

Tgt Ion: 75 Resp: 30161
 Ion Ratio Lower Upper
 75 100
 110 34.1 16.8 50.4
 77 30.6 24.7 37.1





#37

Ethyl Acetate

Concen: 3.986 ug/l

RT: 4.36 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VU033954.D

Acq: 26 Aug 2019 17:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

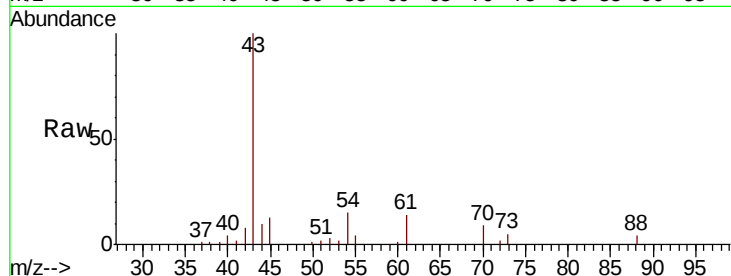
Tot Ion: 43 Resp: 35862

Ion Ratio Lower Upper

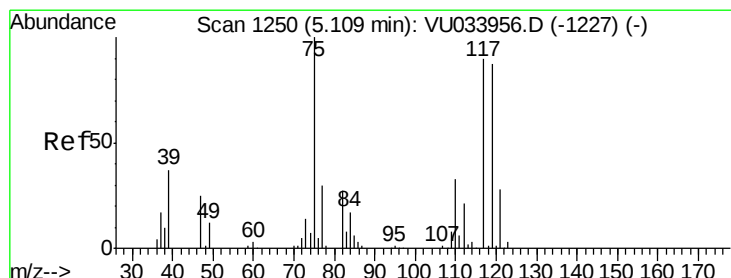
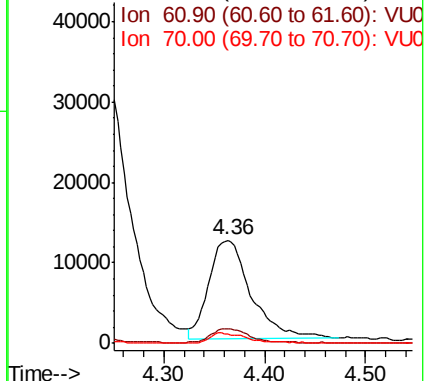
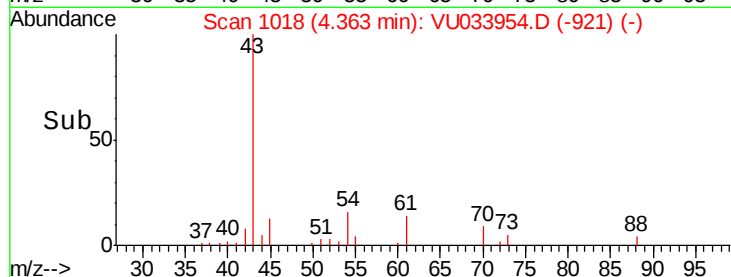
43 100

61 13.8 11.0 16.6

70 8.7 8.2 12.4



Abundance Ion 43.00 (42.70 to 43.70): VU033954.D (-921) (-)



#38

Carbon Tetrachloride

Concen: 5.561 ug/l

RT: 5.11 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VU033954.D

Acq: 26 Aug 2019 17:04

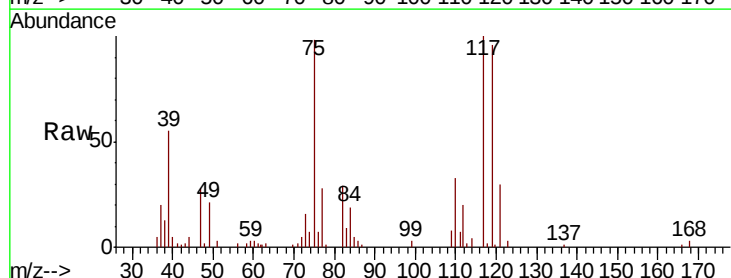
Tgt Ion: 117 Resp: 32661

Ion Ratio Lower Upper

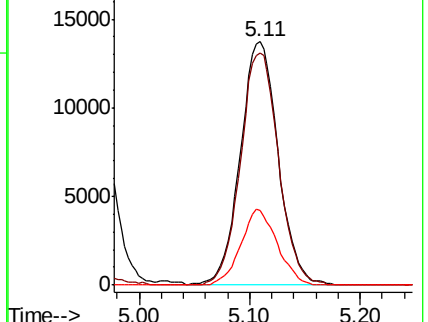
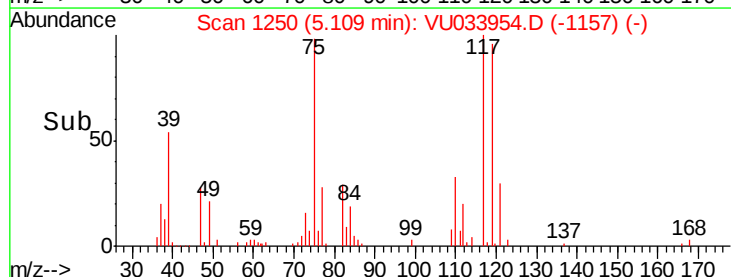
117 100

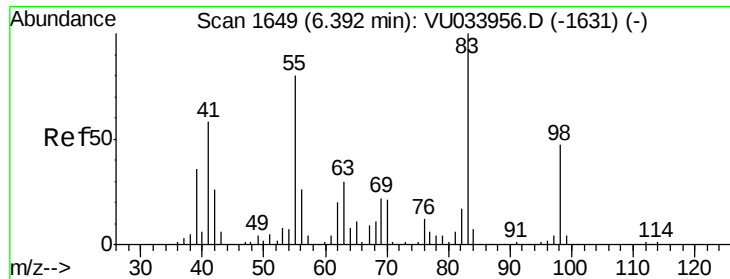
119 95.5 76.9 115.3

121 30.5 24.9 37.3



Abundance Ion 116.80 (116.50 to 117.50): VU033954.D (-1157) (-)

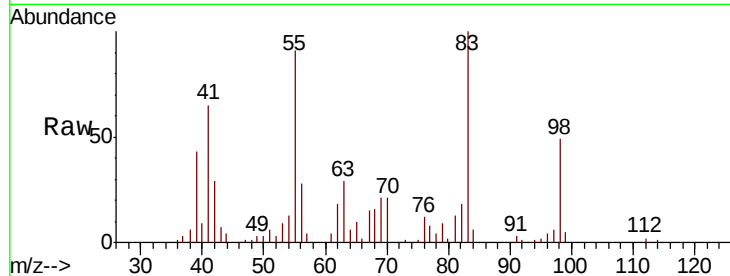




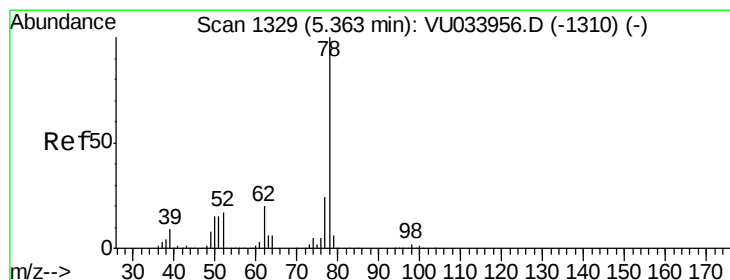
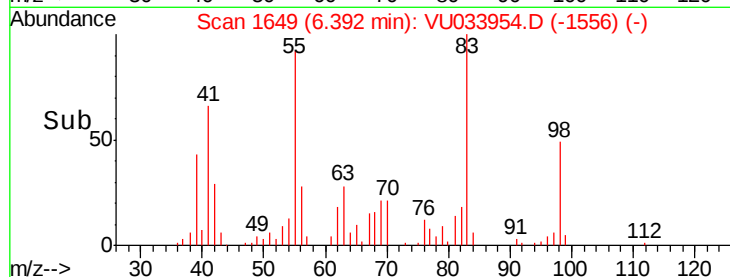
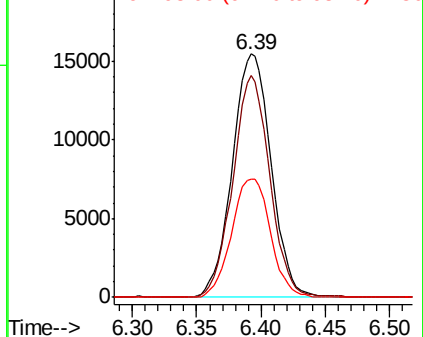
#39
Methvlcvclohexane
Concen: 3.762 ug/l
RT: 6.39 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VU033954.D
Acq: 26 Aug 2019 17:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion: 83 Resp: 32310
Ion Ratio Lower Upper
83 100
55 91.2 63.8 95.8
98 48.8 37.7 56.5

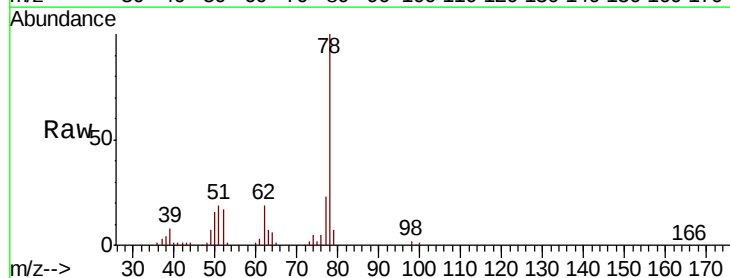


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

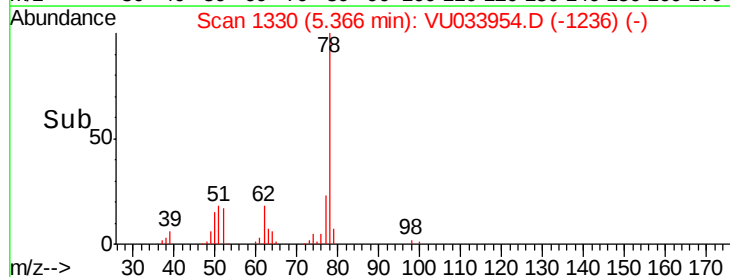
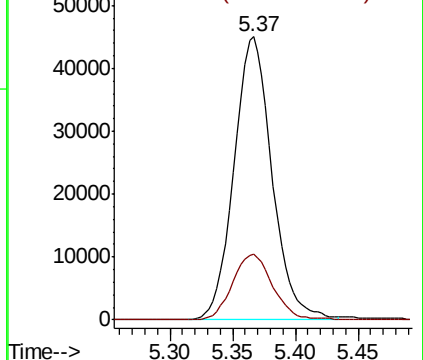


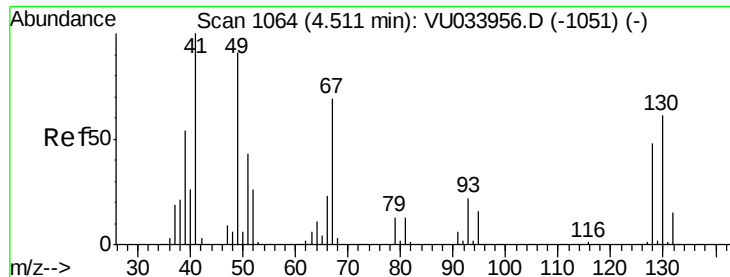
#40
Benzene
Concen: 4.567 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU033954.D
Acq: 26 Aug 2019 17:04

Tgt Ion: 78 Resp: 95173
Ion Ratio Lower Upper
78 100
77 23.1 19.0 28.4



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

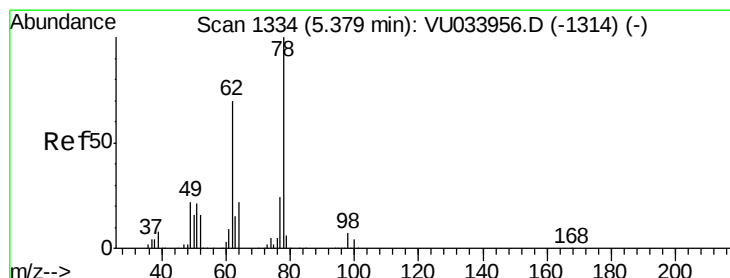
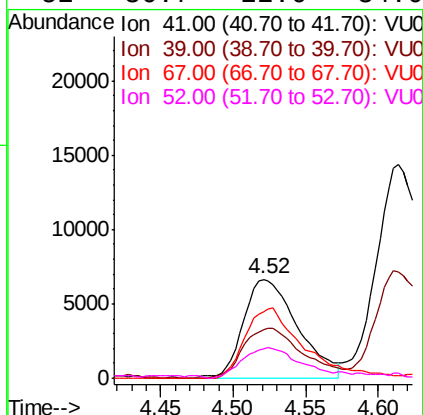
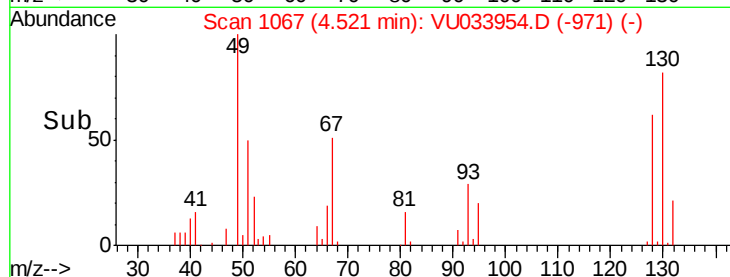
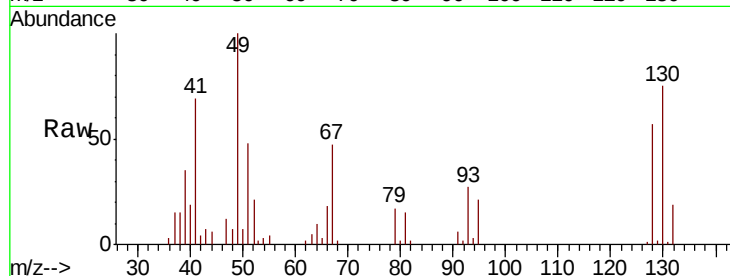




#41
Methacrylonitrile
Concen: 3.524 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VU033954.D
Acq: 26 Aug 2019 17:04

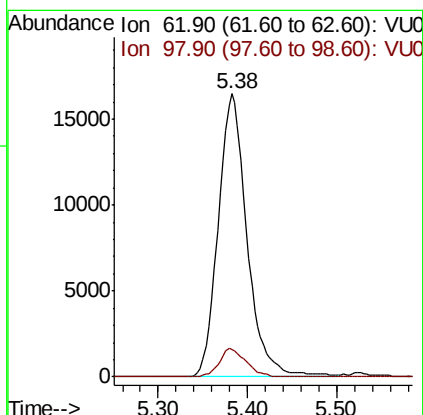
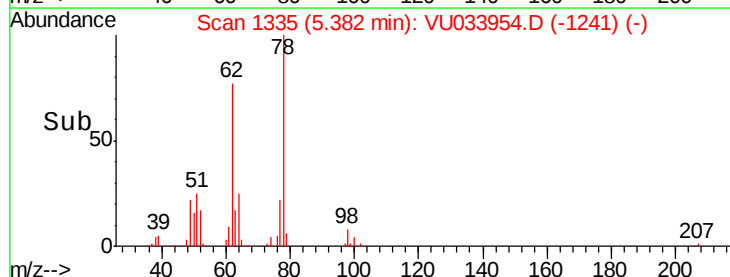
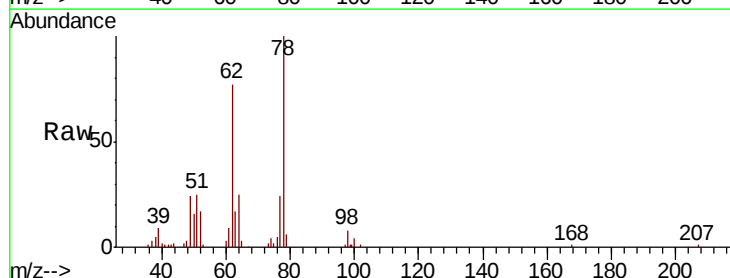
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

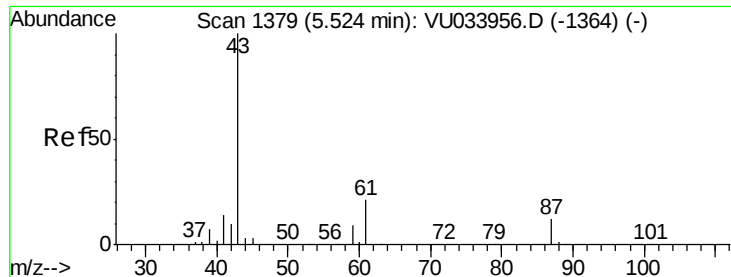
Tot Ion: 41 Resp: 17279
Ion Ratio Lower Upper
41 100
39 55.6 43.3 64.9
67 76.6 57.5 86.3
52 36.7 22.6 34.0#



#42
1,2-Dichloroethane
Concen: 5.012 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU033954.D
Acq: 26 Aug 2019 17:04

Tgt Ion: 62 Resp: 36861
Ion Ratio Lower Upper
62 100
98 9.3 0.0 18.2





#43

Isopropyl Acetate

Concen: 3.613 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU033954.D

Acq: 26 Aug 2019 17:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

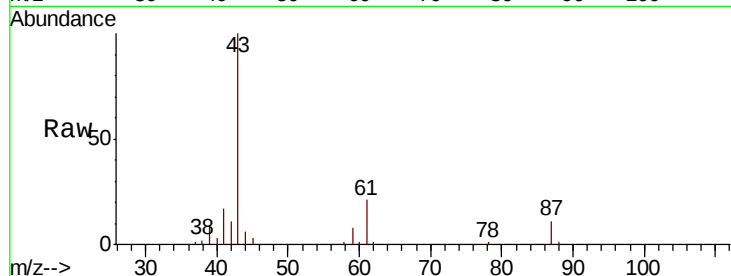
Tot Ion: 43 Resp: 51072

Ion Ratio Lower Upper

43 100

61 19.5 16.1 24.1

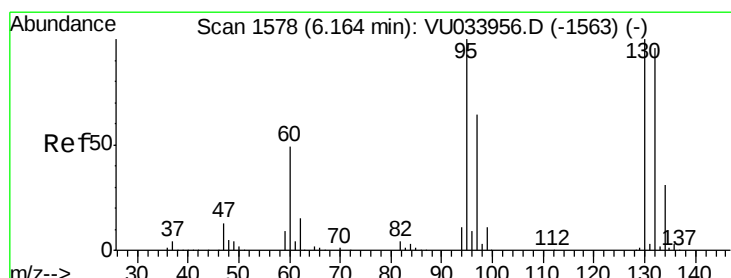
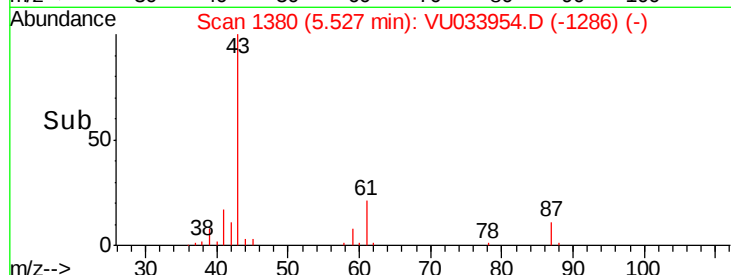
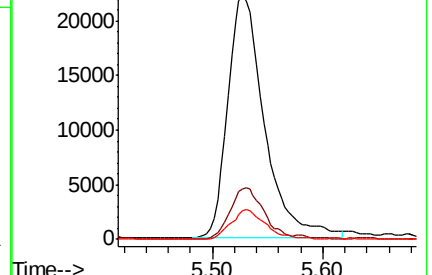
87 11.5 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VU033956.D (-1364) (-)

Ion 61.00 (60.70 to 61.70): VU033956.D (-1364) (-)

Ion 87.00 (86.70 to 87.70): VU033956.D (-1364) (-)



#44

Trichloroethene

Concen: 5.200 ug/l

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033954.D

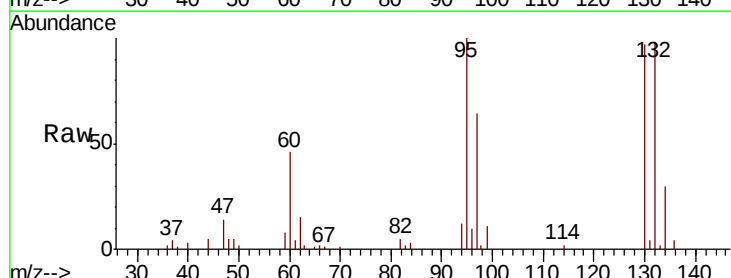
Acq: 26 Aug 2019 17:04

Tgt Ion:130 Resp: 24643

Ion Ratio Lower Upper

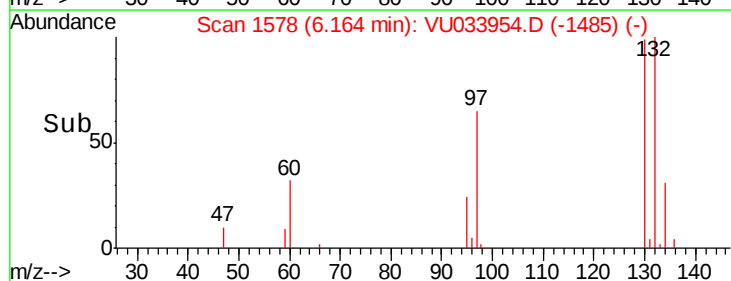
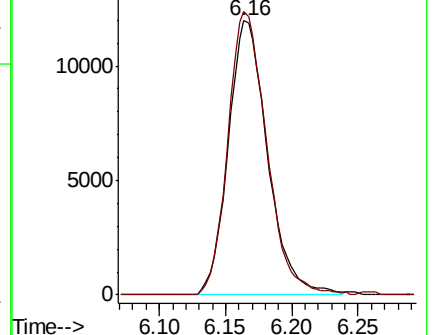
130 100

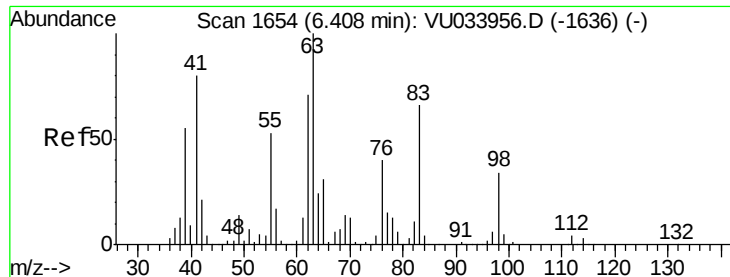
95 103.4 0.0 200.4



Abundance Ion 129.80 (129.50 to 130.50): VU033956.D (-1563) (-)

Ion 94.90 (94.60 to 95.60): VU033956.D (-1563) (-)





#45

1,2-Dichloropropane

Concen: 4.666 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU033954.D

Acq: 26 Aug 2019 17:04

Instrument :

MSVOA_U

ClientSampleId :

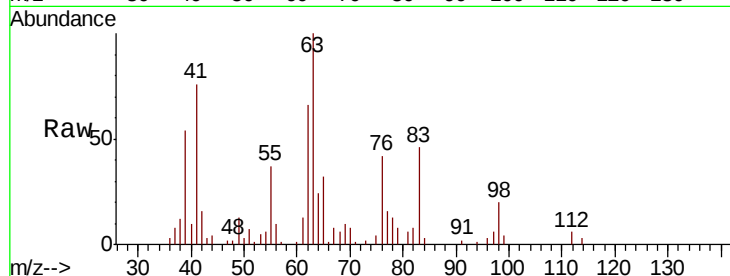
VSTDIC005

Tot Ion: 63 Resp: 27127

Ion Ratio Lower Upper

63 100

65 32.4 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VU033956.D (-1636) (-)

Ion 64.90 (64.60 to 65.60): VU033956.D (-1636) (-)

6.41

15000

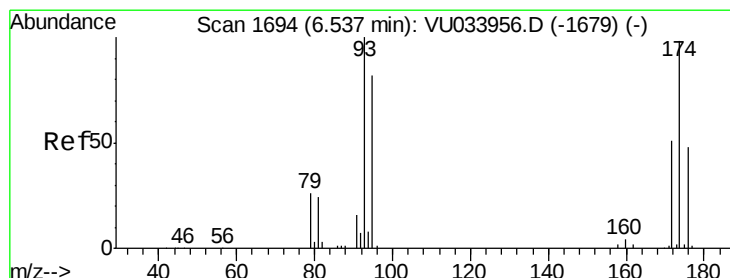
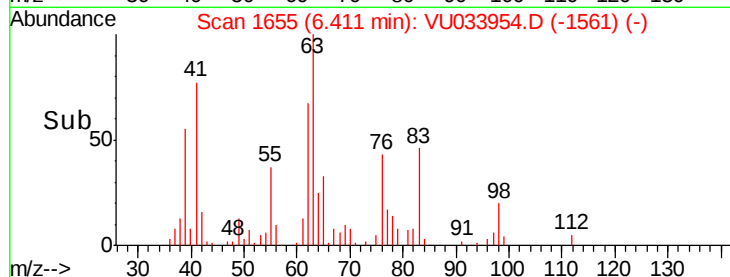
10000

5000

0

6.35 6.40 6.45 6.50

Time-->



#46

Dibromomethane

Concen: 4.945 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU033954.D

Acq: 26 Aug 2019 17:04

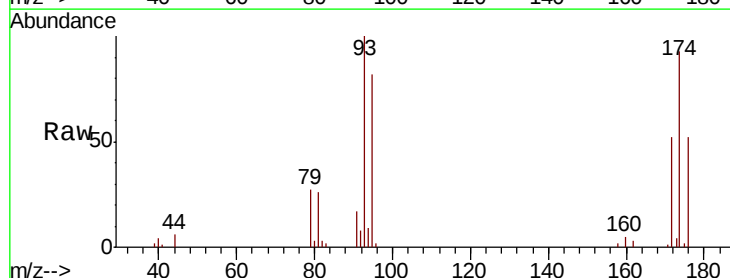
Tgt Ion: 93 Resp: 17323

Ion Ratio Lower Upper

93 100

95 84.9 67.3 100.9

174 96.8 79.7 119.5



Abundance Ion 92.80 (92.50 to 93.50): VU033956.D (-1679) (-)

Ion 94.80 (94.50 to 95.50): VU033956.D (-1679) (-)

Ion 173.70 (173.40 to 174.40): VU033956.D (-1679) (-)

6.54

10000

8000

6000

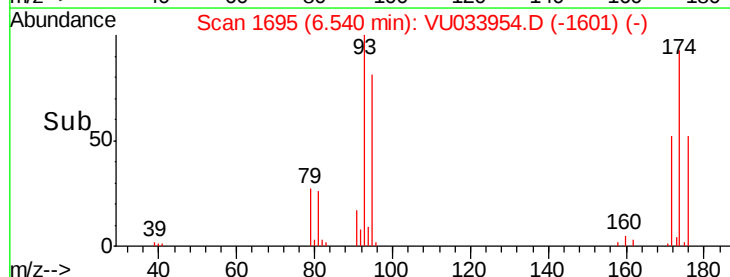
4000

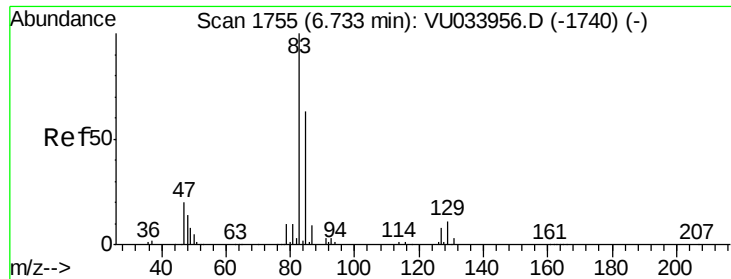
2000

0

6.50 6.55 6.60

Time-->

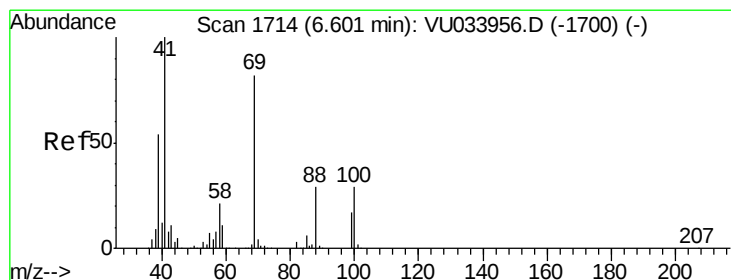
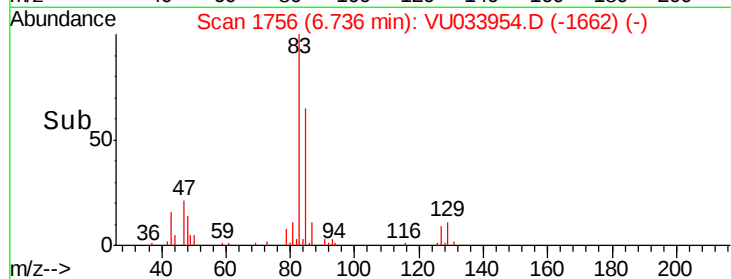
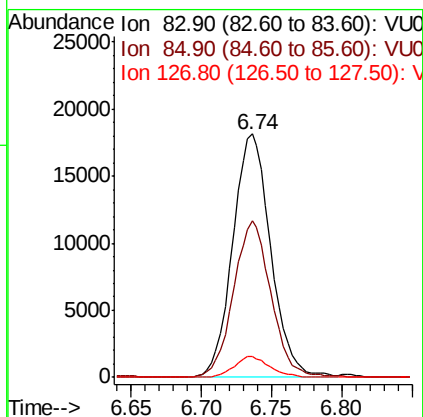
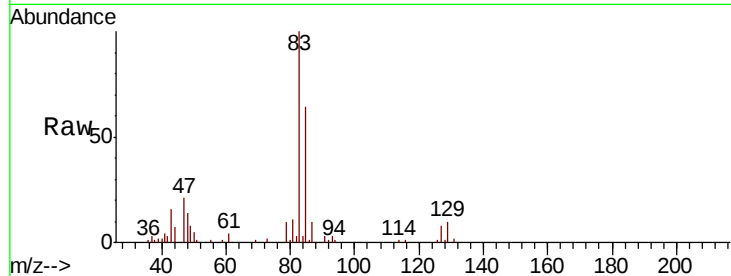




#47
Bromodichloromethane
Concen: 4.992 ug/l
RT: 6.74 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VU033954.D
Acq: 26 Aug 2019 17:04

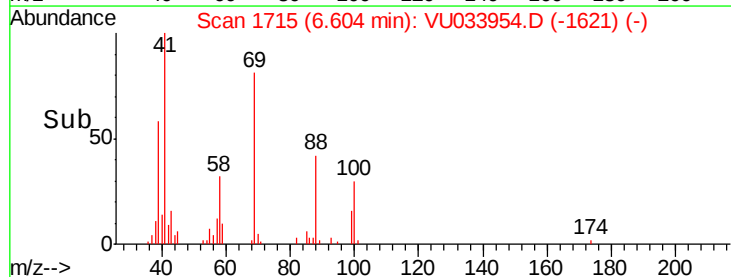
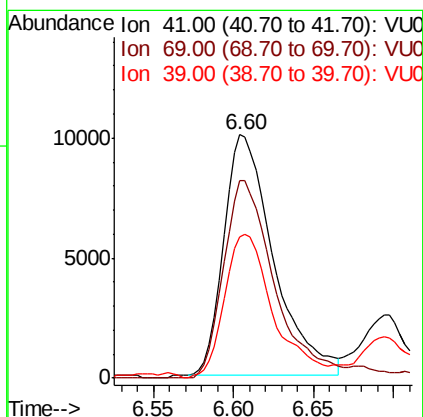
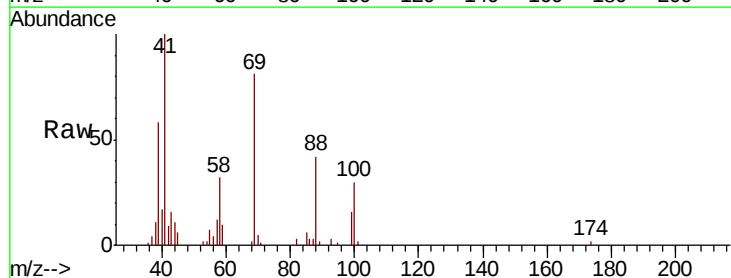
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

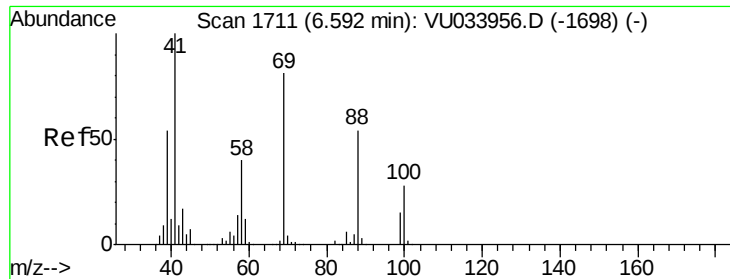
Tot Ion	83	Resp	34327
Ion Ratio	Lower	Upper	
83	100		
85	64.1	50.5	75.7
127	8.3	6.6	9.8



#48
Methyl methacrylate
Concen: 3.073 ug/l
RT: 6.60 min Scan# 1715
Delta R.T. 0.00 min
Lab File: VU033954.D
Acq: 26 Aug 2019 17:04

Tgt Ion	41	Resp	21460
Ion Ratio	Lower	Upper	
41	100		
69	83.5	66.9	100.3
39	58.3	43.3	64.9





#49

1,4-Dioxane

Concen: 80.221 ug/l

RT: 6.60 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VU033954.D

Acq: 26 Aug 2019 17:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

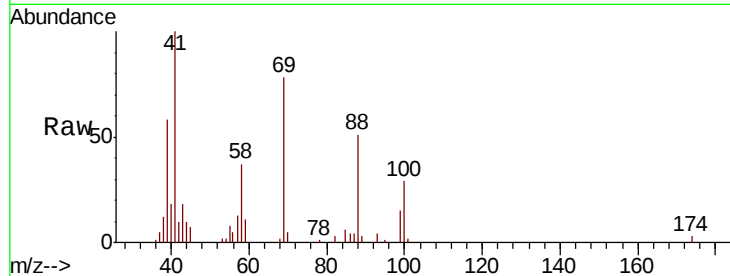
Tot Ion: 88 Resp: 9367

Ion Ratio Lower Upper

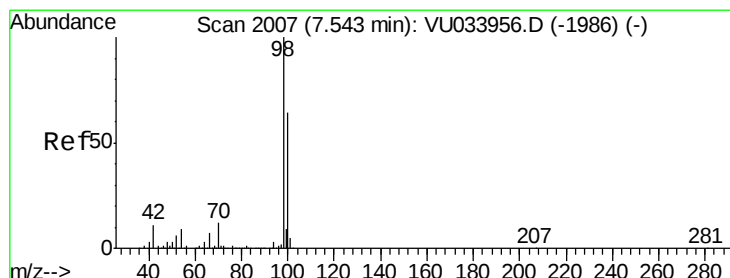
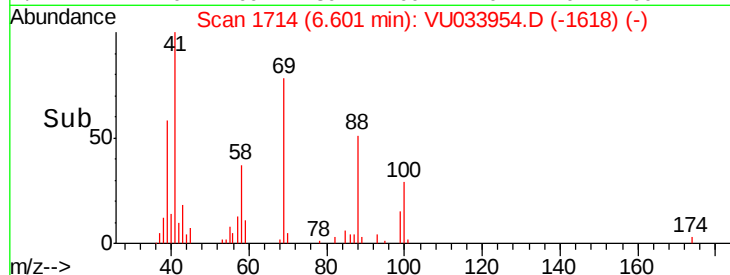
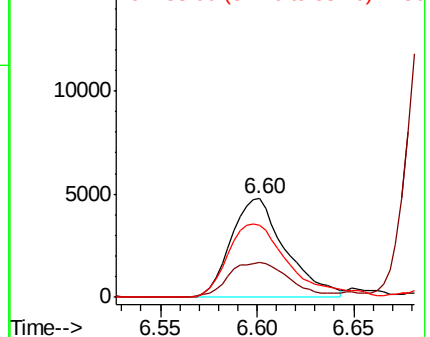
88 100

43 39.1 27.2 40.8

58 83.4 59.3 88.9



Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0



#50

Toluene-d8

Concen: 5.318 ug/l

RT: 7.55 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VU033954.D

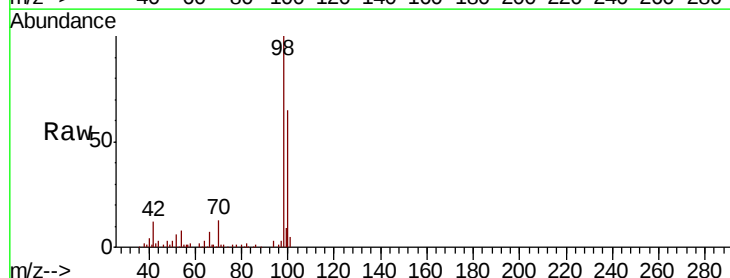
Acq: 26 Aug 2019 17:04

Tgt Ion: 98 Resp: 86018

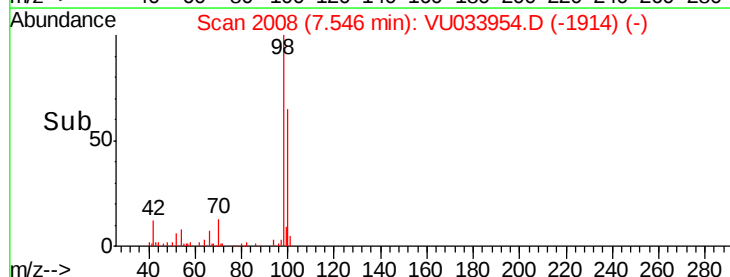
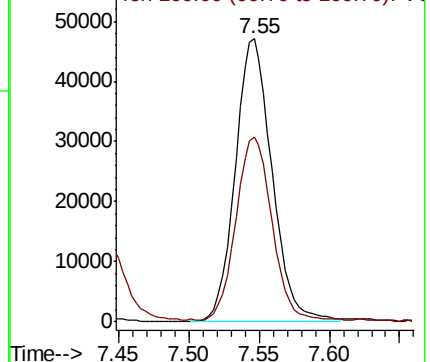
Ion Ratio Lower Upper

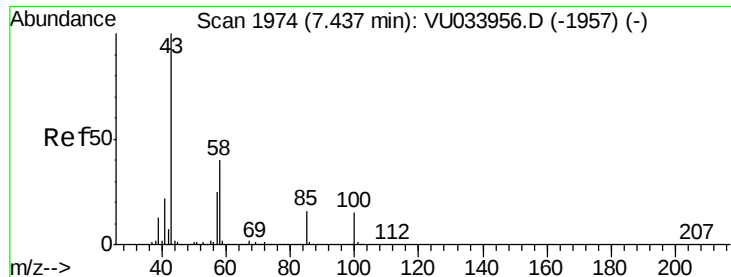
98 100

100 63.4 51.8 77.6



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

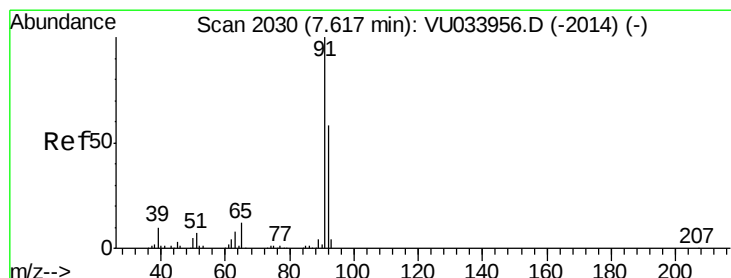
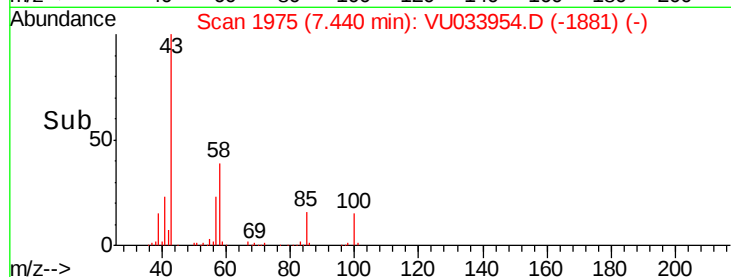
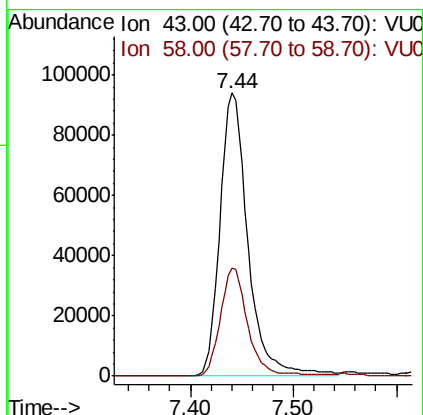
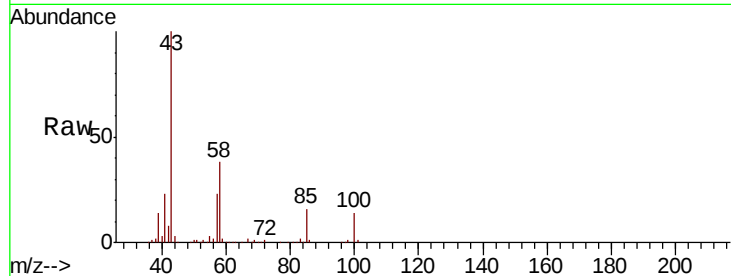




#51
4-Methyl-2-Pentanone
Concen: 19.554 ug/l
RT: 7.44 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VU033954.D
Acq: 26 Aug 2019 17:04

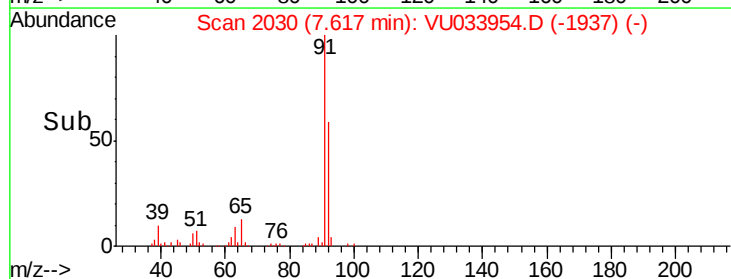
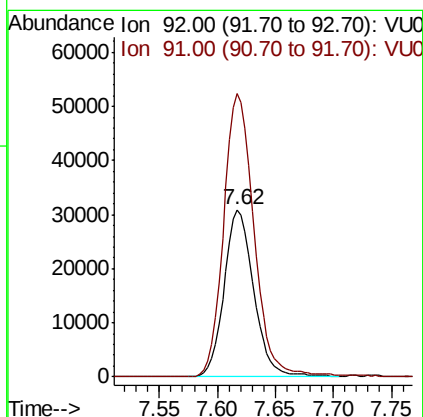
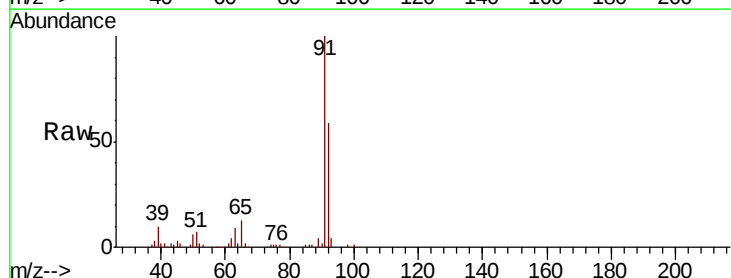
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

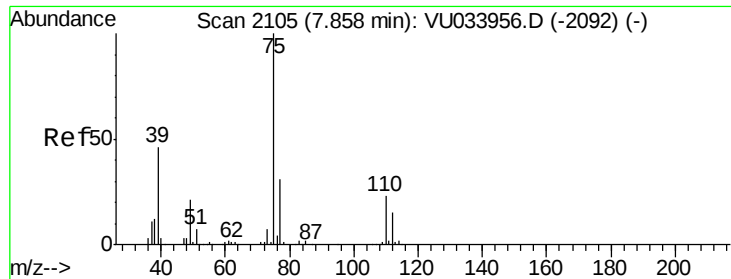
Tot Ion: 43 Resp: 176685
Ion Ratio Lower Upper
43 100
58 37.5 31.6 47.4



#52
Toluene
Concen: 4.465 ug/l
RT: 7.62 min Scan# 2030
Delta R.T. -0.00 min
Lab File: VU033954.D
Acq: 26 Aug 2019 17:04

Tgt Ion: 92 Resp: 54967
Ion Ratio Lower Upper
92 100
91 173.7 137.5 206.3





#53

t-1,3-Dichloropropene

Concen: 4.079 ug/l

RT: 7.86 min Scan# 2107

Delta R.T. 0.01 min

Lab File: VU033954.D

Acq: 26 Aug 2019 17:04

Instrument :

MSVOA_U

ClientSampleId :

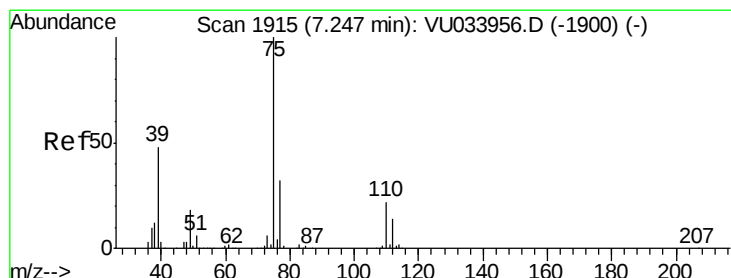
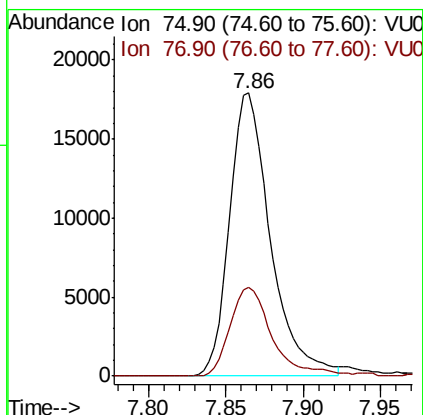
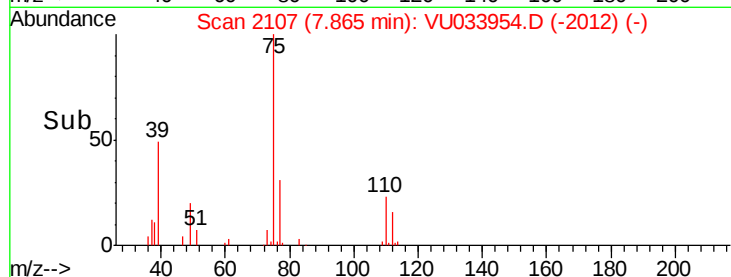
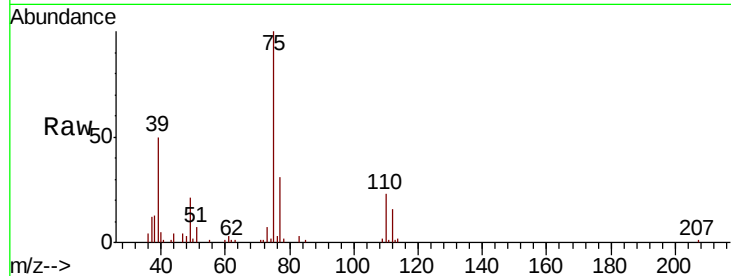
VSTDIC005

Tot Ion: 75 Resp: 32942

Ion Ratio Lower Upper

75 100

77 31.3 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 4.180 ug/l

RT: 7.25 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VU033954.D

Acq: 26 Aug 2019 17:04

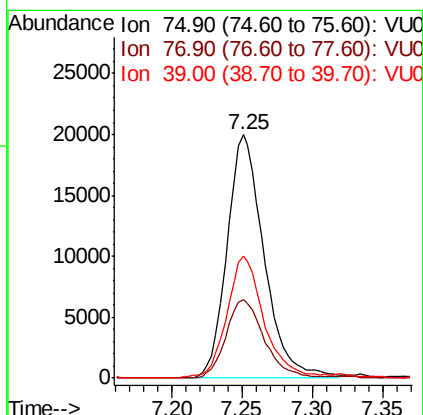
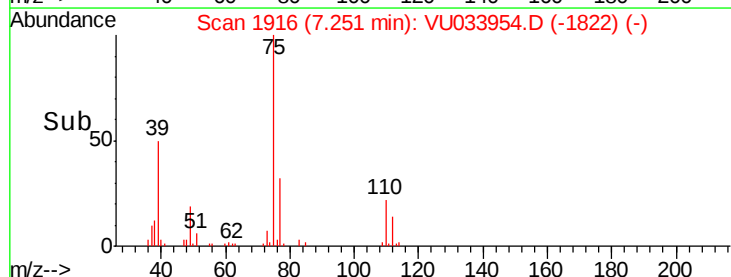
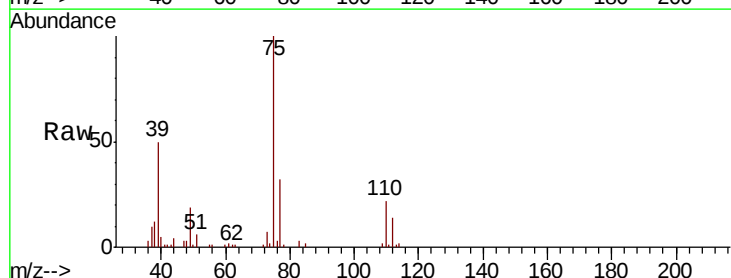
Tgt Ion: 75 Resp: 36662

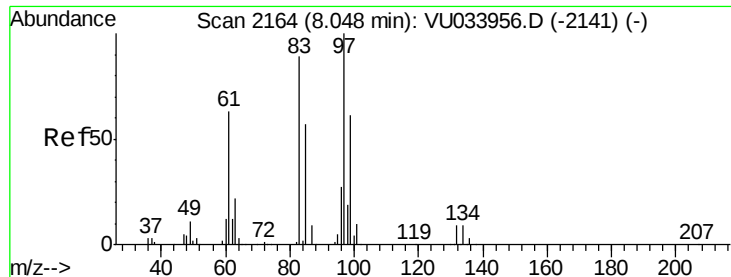
Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.0

39 49.3 38.3 57.5

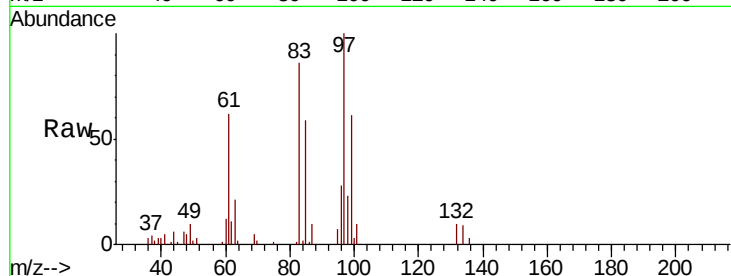




#55
1,1,2-Trichloroethane
Concen: 5.270 ug/l
RT: 8.05 min Scan# 2164
Delta R.T. -0.00 min
Lab File: VU033954.D
Acq: 26 Aug 2019 17:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion:	97	Resp:	25801
Ion	Ratio	Lower	Upper
97	100		
83	85.5	71.0	106.4
85	59.2	45.5	68.3
99	60.9	49.4	74.0



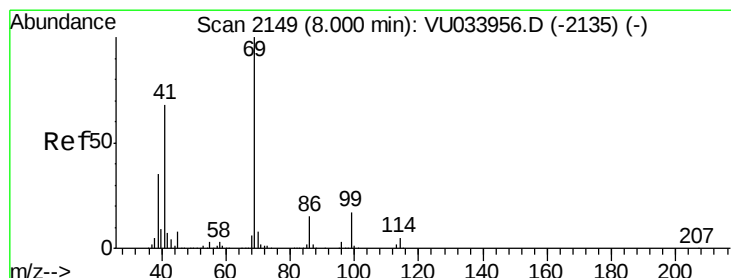
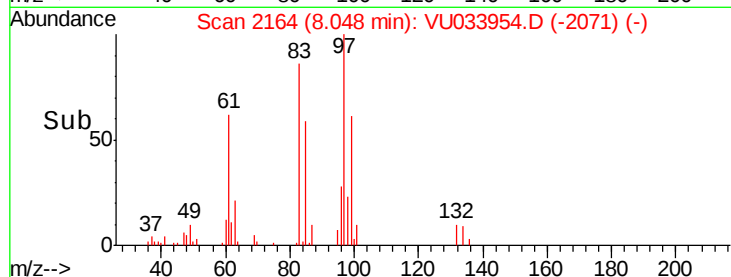
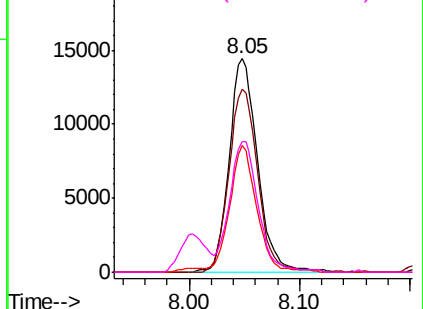
Abundance

Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

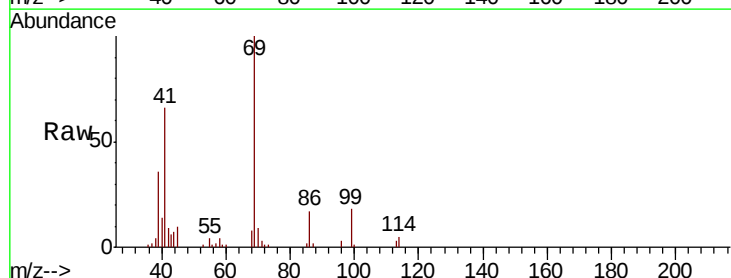
Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56
Ethyl methacrylate
Concen: 3.227 ug/l
RT: 8.00 min Scan# 2150
Delta R.T. 0.00 min
Lab File: VU033954.D
Acq: 26 Aug 2019 17:04

Tgt Ion:	69	Resp:	26519
Ion	Ratio	Lower	Upper
69	100		
41	69.6	54.1	81.1
39	34.8	28.1	42.1

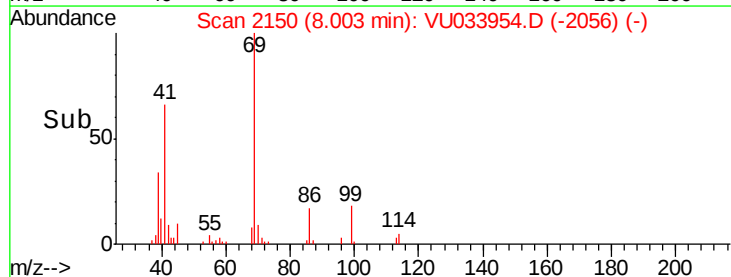
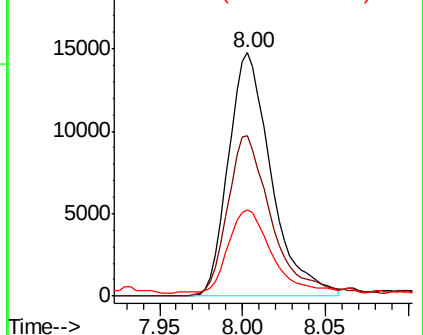


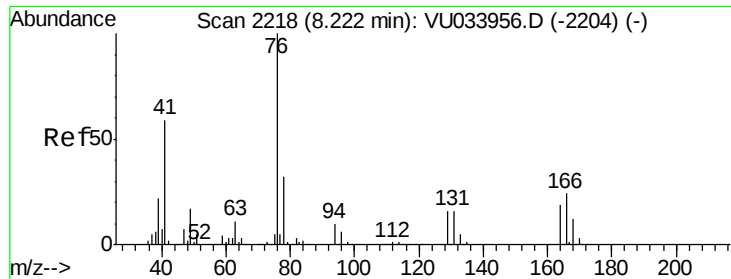
Abundance

Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 4.604 ug/l

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU033954.D

Acq: 26 Aug 2019 17:04

Instrument :

MSVOA_U

ClientSampleId :

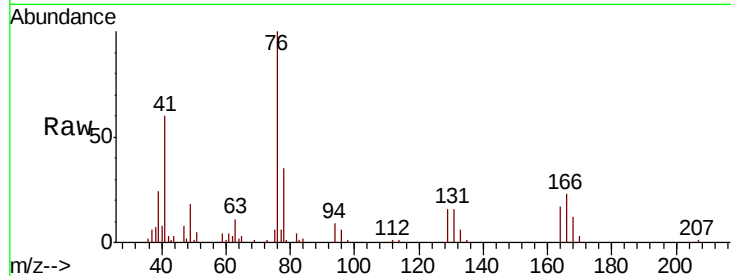
VSTDIC005

Tot Ion: 76 Resp: 41758

Ion Ratio Lower Upper

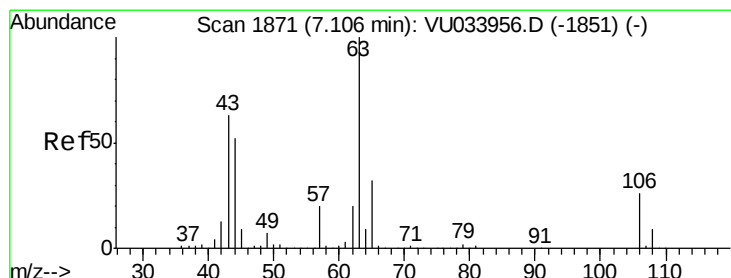
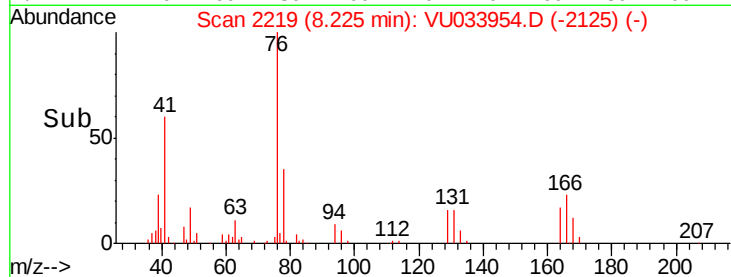
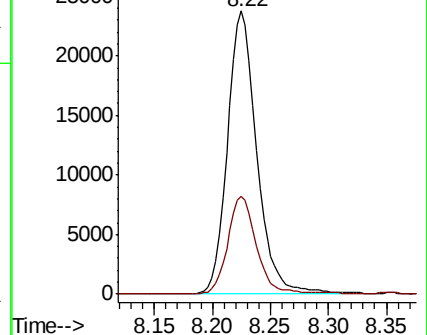
76 100

78 33.5 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VU033956.D (-2204) (-)

Ion 77.90 (77.60 to 78.60): VU033956.D (-2204) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 10.221 ug/l

RT: 7.11 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VU033954.D

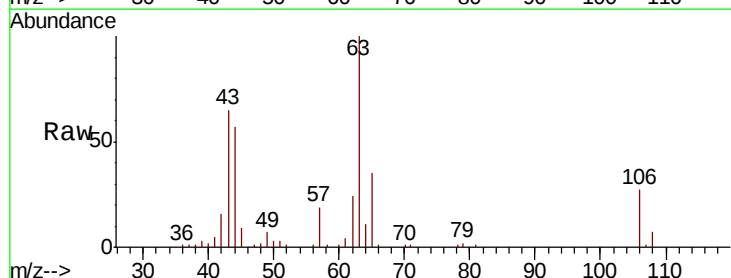
Acq: 26 Aug 2019 17:04

Tgt Ion: 63 Resp: 41293

Ion Ratio Lower Upper

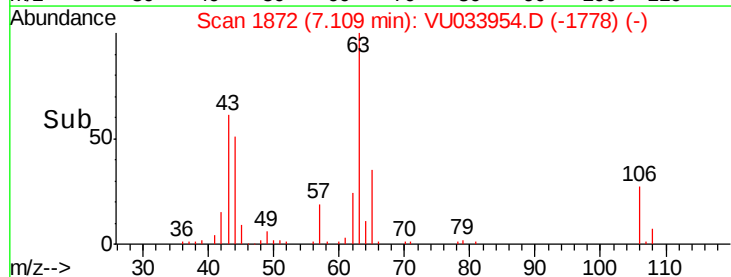
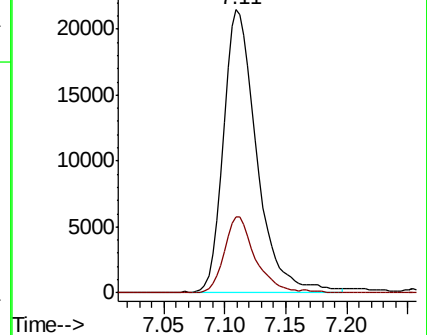
63 100

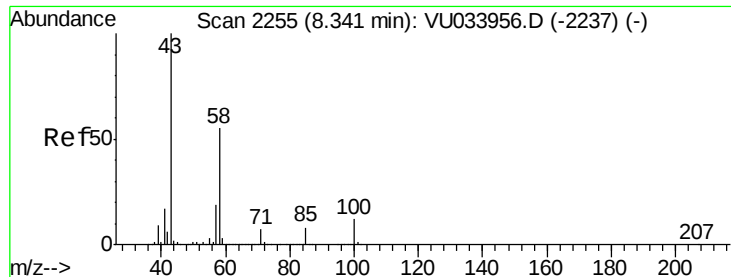
106 24.7 20.8 31.2



Abundance Ion 62.90 (62.60 to 63.60): VU033956.D (-1851) (-)

Ion 105.90 (105.60 to 106.60): VU033956.D (-1851) (-)

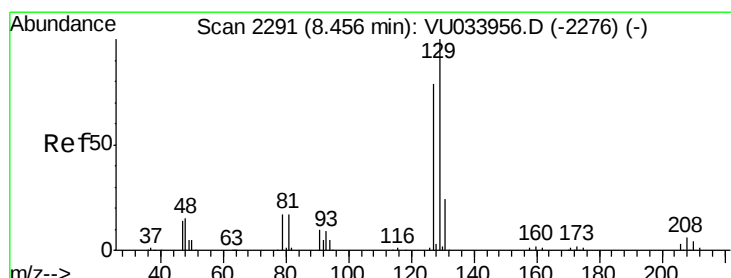
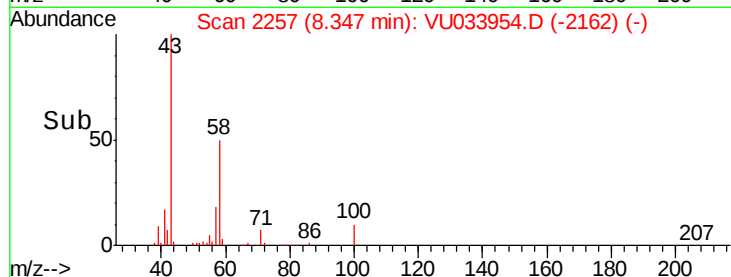
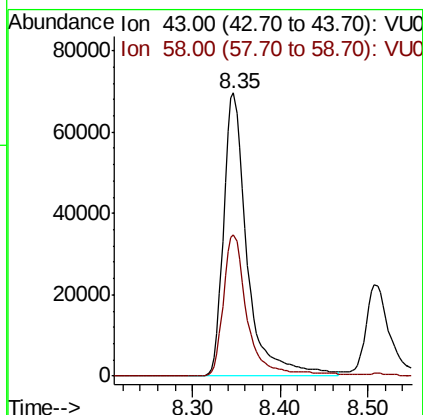
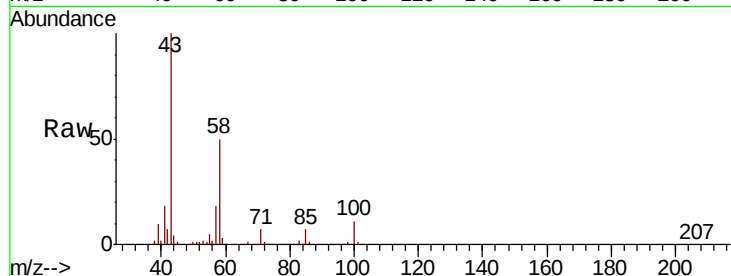




#59
2-Hexanone
Concen: 18.181 ug/l
RT: 8.35 min Scan# 2257
Delta R.T. 0.01 min
Lab File: VU033954.D
Acq: 26 Aug 2019 17:04

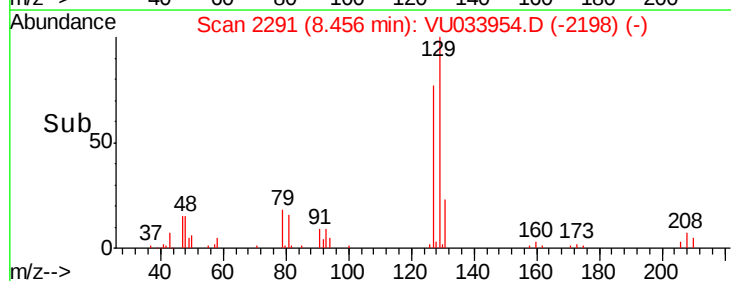
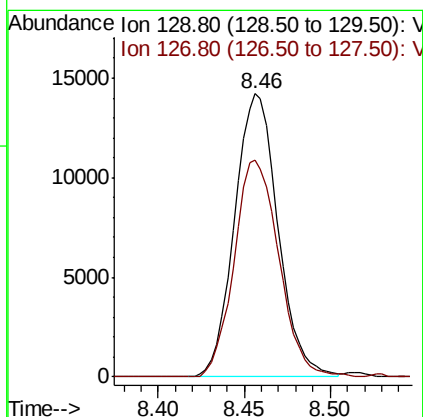
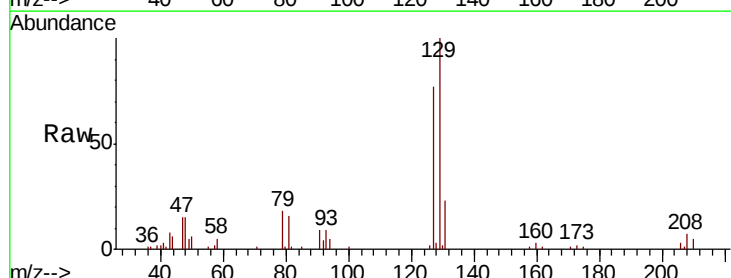
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

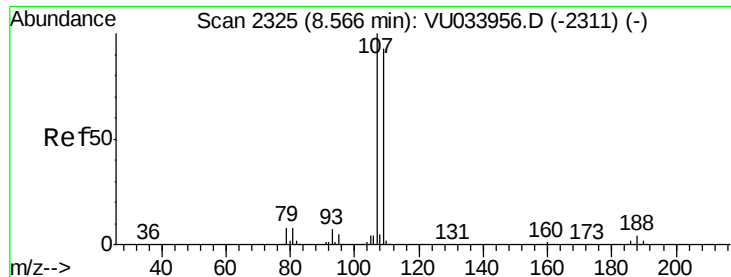
Tot Ion: 43 Resp: 129933
Ion Ratio Lower Upper
43 100
58 49.2 27.3 81.9



#60
Dibromochloromethane
Concen: 5.115 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU033954.D
Acq: 26 Aug 2019 17:04

Tgt Ion: 129 Resp: 24983
Ion Ratio Lower Upper
129 100
127 79.0 38.9 116.7

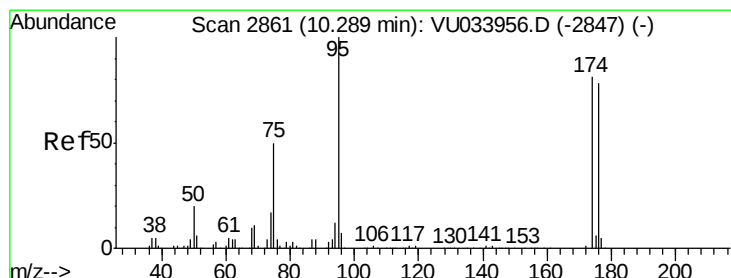
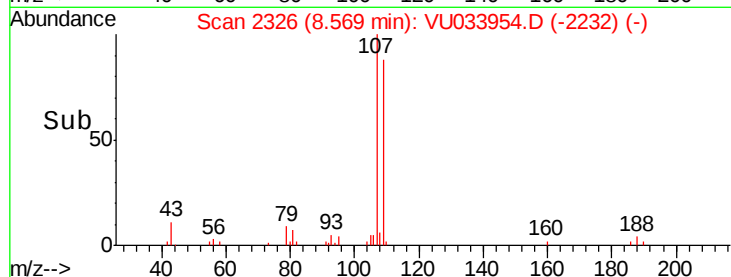
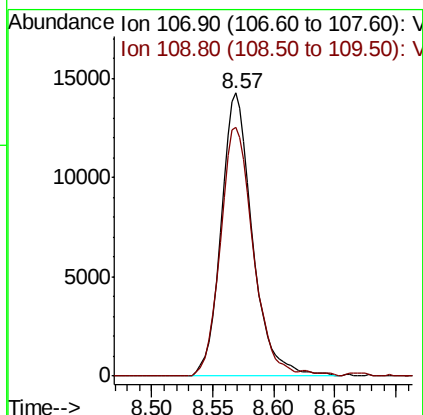
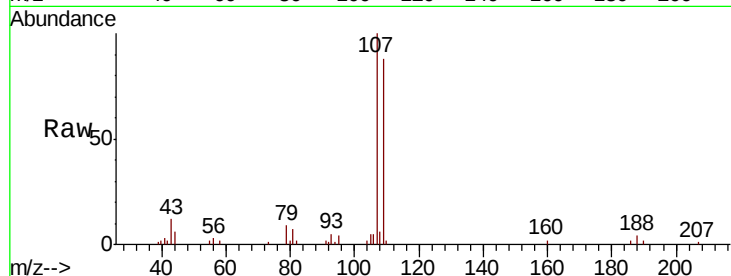




#61
 1,2-Dibromoethane
 Concen: 4.977 ug/l
 RT: 8.57 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU033954.D
 Acq: 26 Aug 2019 17:04

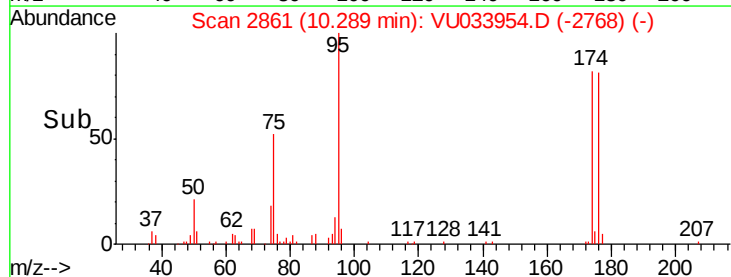
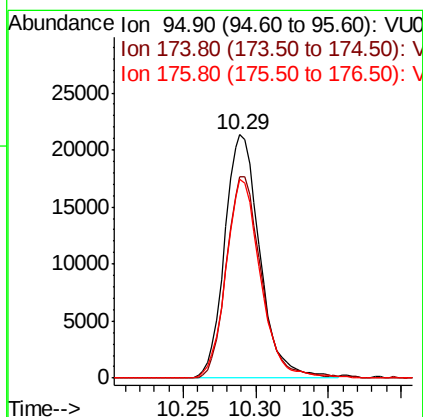
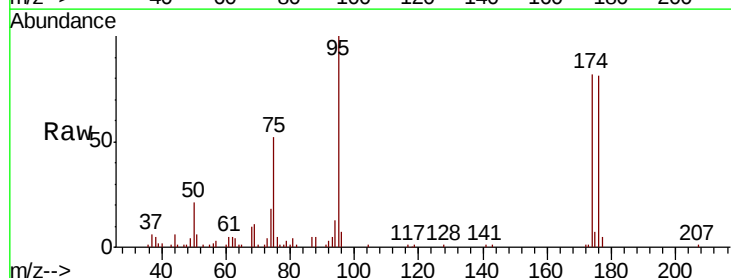
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

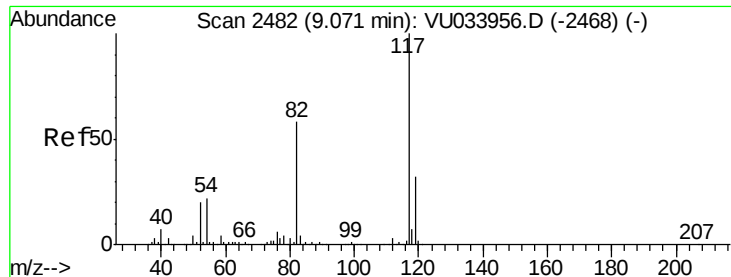
Tot Ion: 107 Resp: 25644
 Ion Ratio Lower Upper
 107 100
 109 91.8 74.7 112.1



#62
 4-Bromofluorobenzene
 Concen: 5.925 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. -0.00 min
 Lab File: VU033954.D
 Acq: 26 Aug 2019 17:04

Tgt Ion: 95 Resp: 35827
 Ion Ratio Lower Upper
 95 100
 174 81.8 0.0 160.4
 176 80.1 0.0 154.2

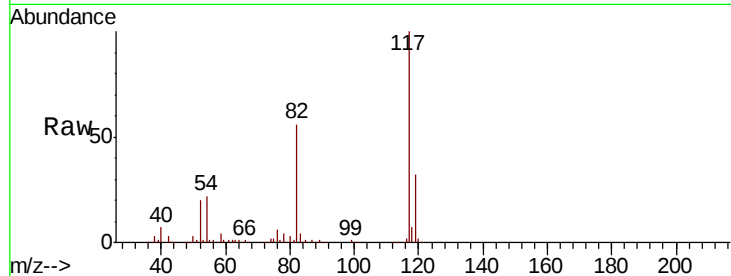




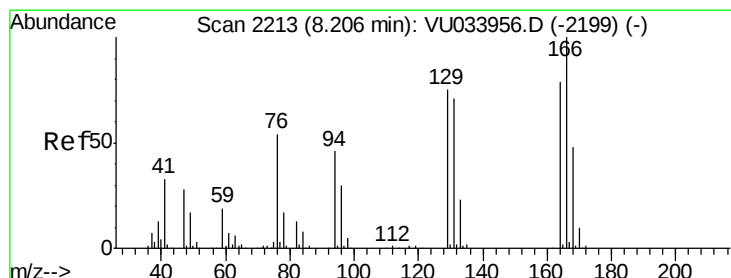
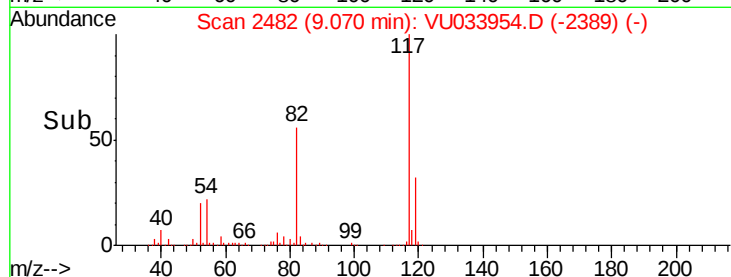
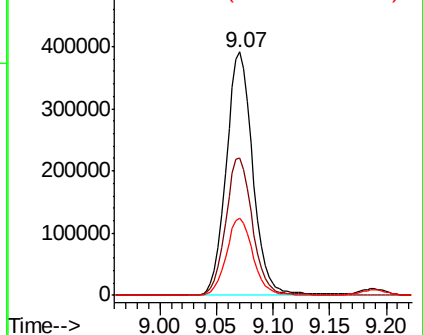
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU033954.D
Acq: 26 Aug 2019 17:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion:117 Resp: 640374
Ion Ratio Lower Upper
117 100
82 56.2 46.4 69.6
119 31.8 25.3 37.9

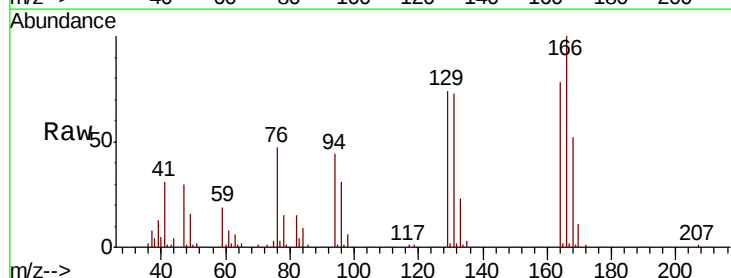


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

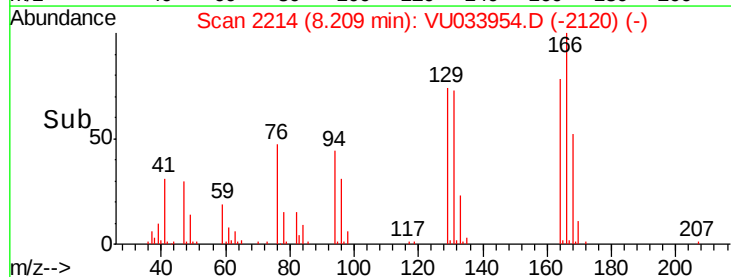
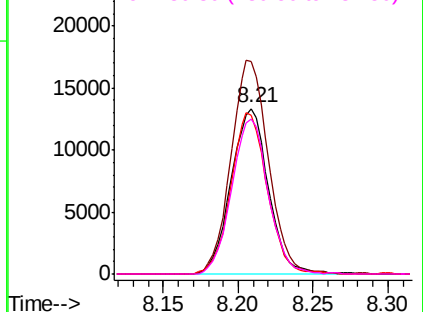


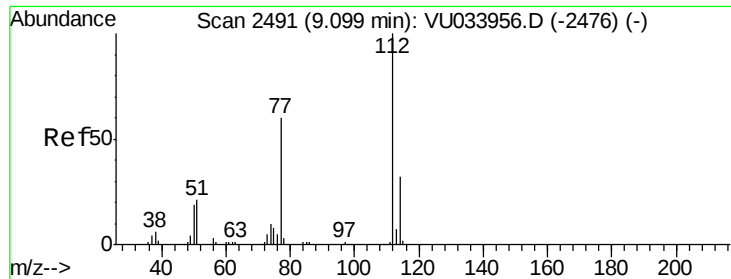
#64
Tetrachloroethene
Concen: 5.379 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU033954.D
Acq: 26 Aug 2019 17:04

Tgt Ion:164 Resp: 23153
Ion Ratio Lower Upper
164 100
166 128.7 101.4 152.2
129 95.8 76.6 114.8
131 93.9 72.2 108.4



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

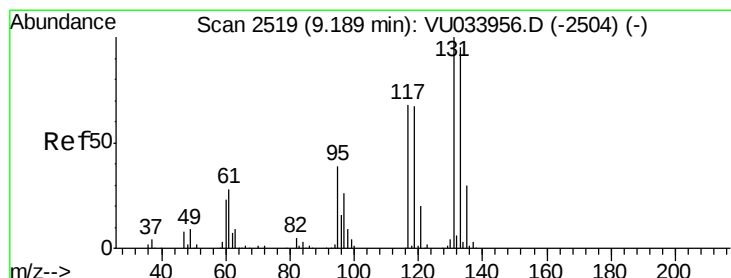
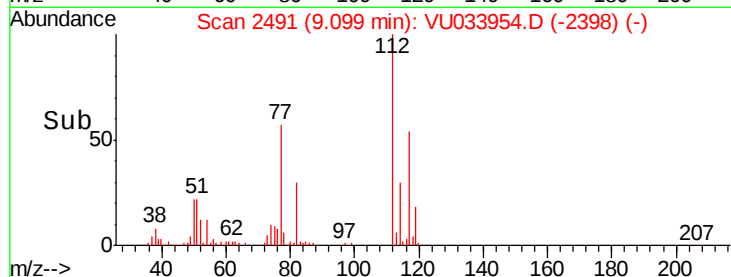
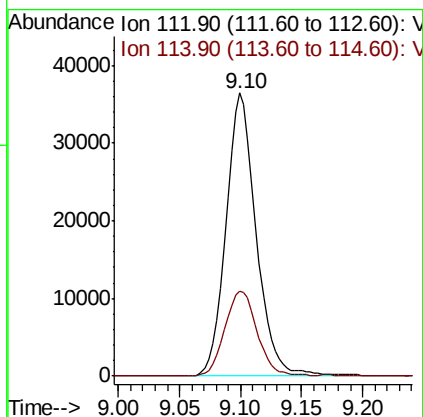
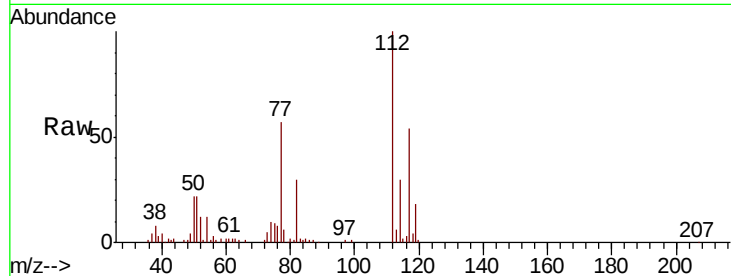




#65
Chlorobenzene
Concen: 4.656 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU033954.D
Acq: 26 Aug 2019 17:04

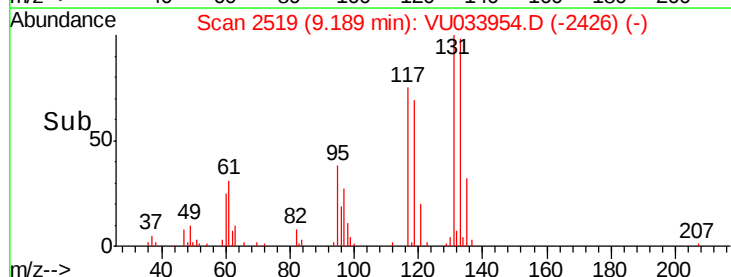
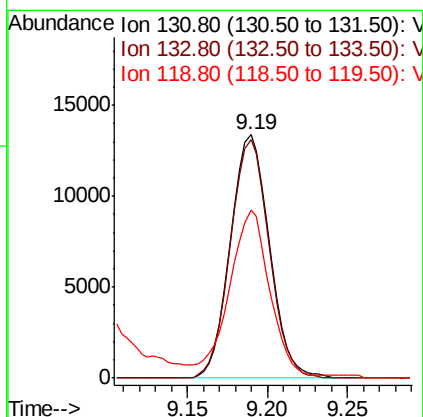
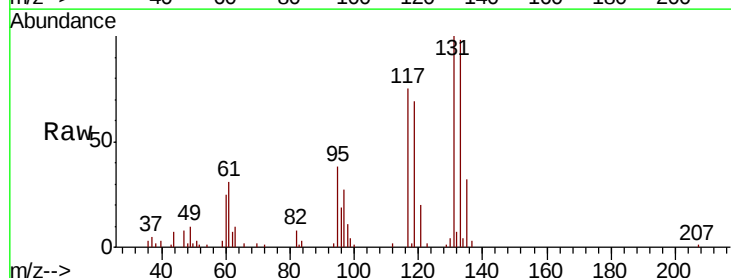
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

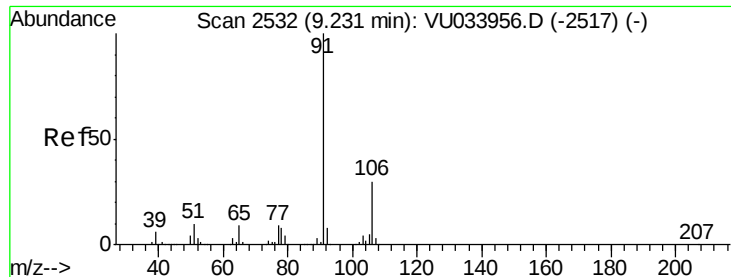
Tot Ion:112 Resp: 63115
Ion Ratio Lower Upper
112 100
114 30.0 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 5.042 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. -0.00 min
Lab File: VU033954.D
Acq: 26 Aug 2019 17:04

Tgt Ion:131 Resp: 22230
Ion Ratio Lower Upper
131 100
133 97.3 47.7 143.1
119 69.5 33.3 99.8





#67

Ethyl Benzene

Concen: 3.813 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. -0.00 min

Lab File: VU033954.D

Acq: 26 Aug 2019 17:04

Instrument :

MSVOA_U

ClientSampleId :

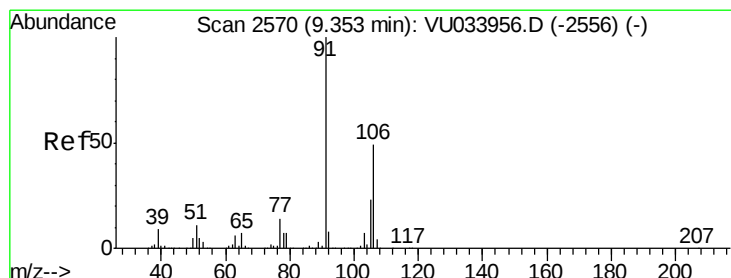
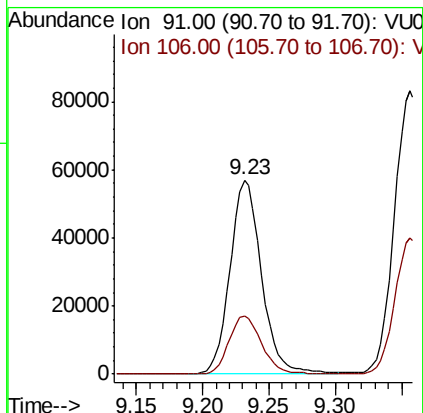
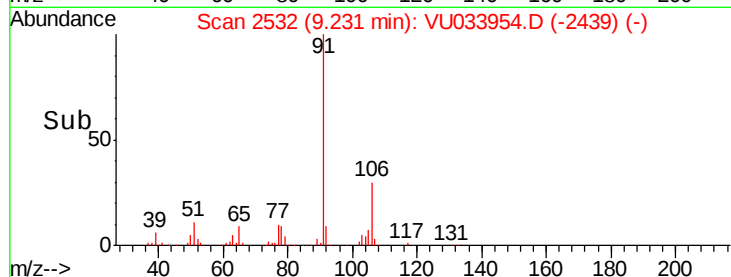
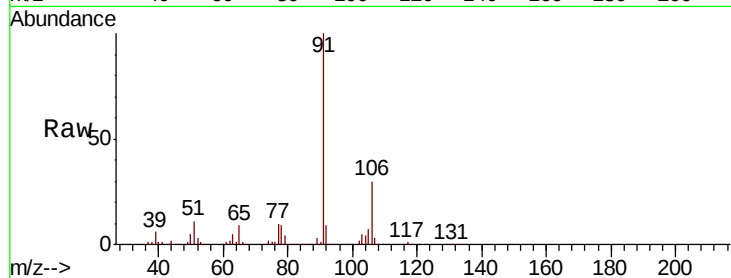
VSTDIC005

Tot Ion: 91 Resp: 94359

Ion Ratio Lower Upper

91 100

106 30.1 24.3 36.5



#68

m/p-Xylenes

Concen: 7.657 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU033954.D

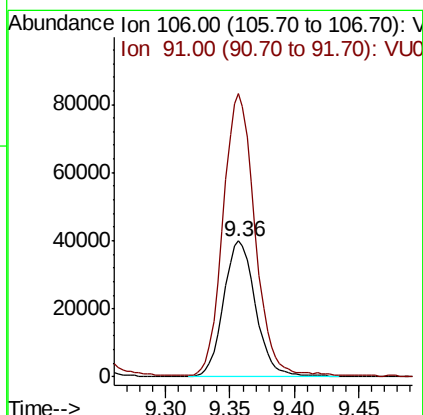
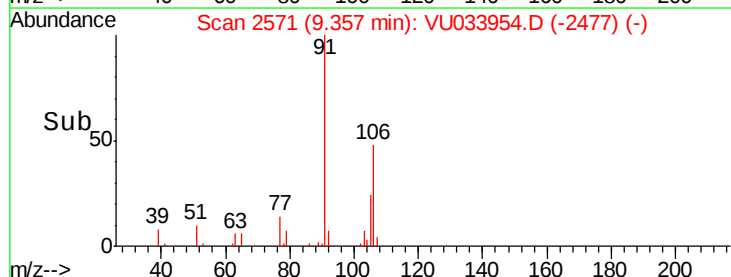
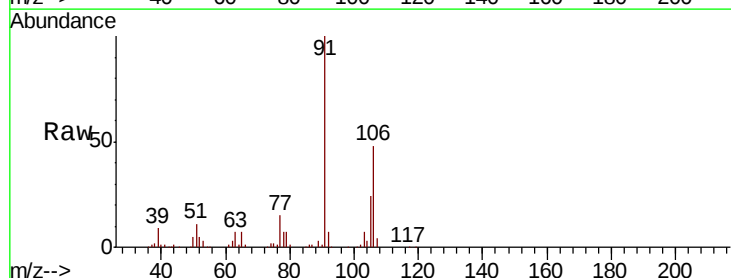
Acq: 26 Aug 2019 17:04

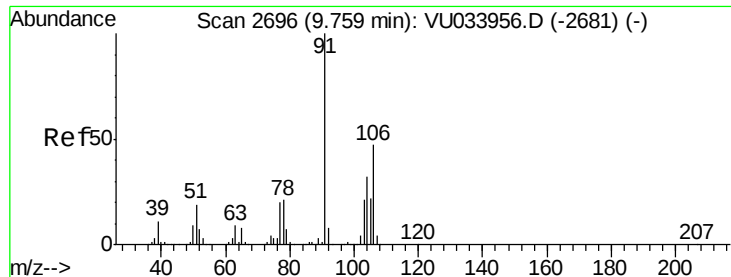
Tgt Ion: 106 Resp: 69115

Ion Ratio Lower Upper

106 100

91 206.8 163.8 245.6

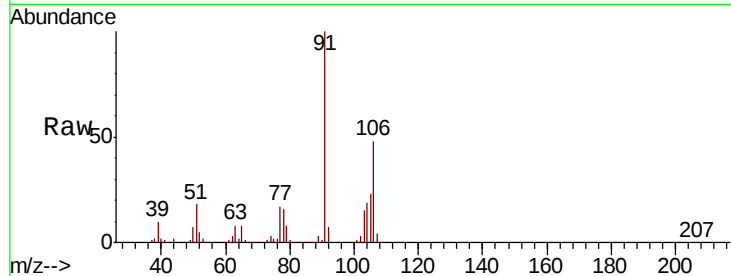




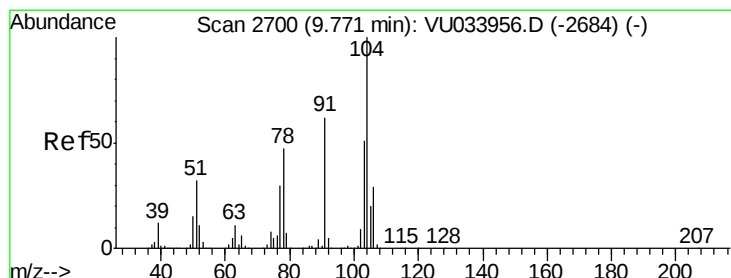
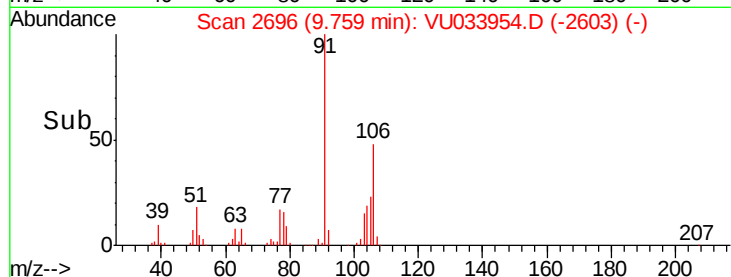
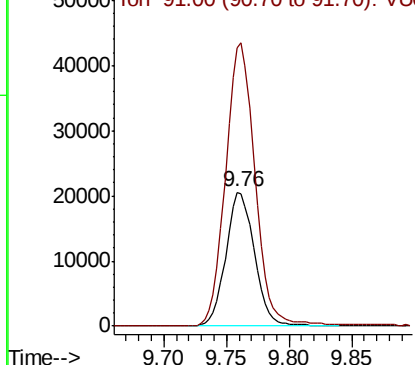
#69
o-Xylene
Concen: 3.732 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU033954.D
Acq: 26 Aug 2019 17:04

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 32653
Ion Ratio Lower Upper
106 100
91 217.5 106.9 320.7

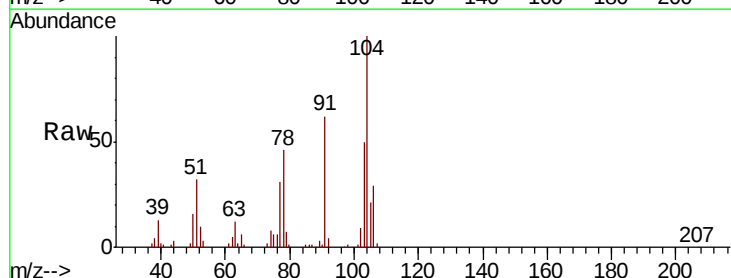


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

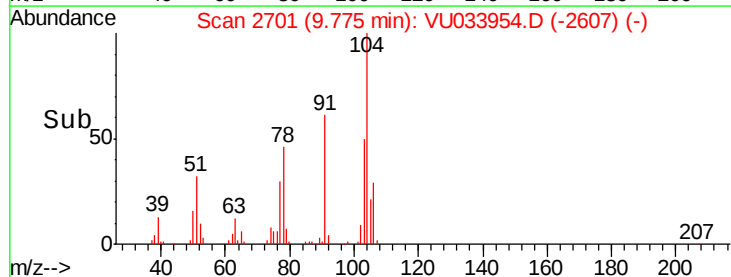
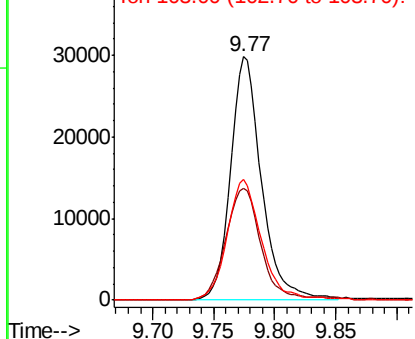


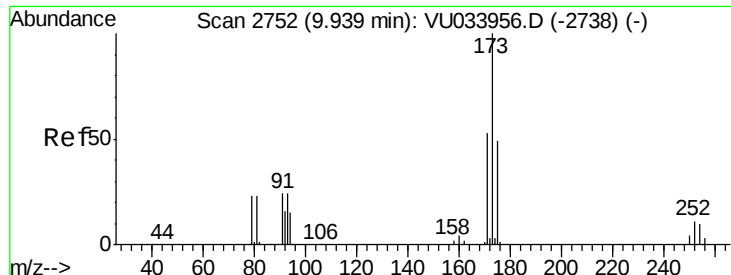
#70
Styrene
Concen: 3.607 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU033954.D
Acq: 26 Aug 2019 17:04

Tgt Ion:104 Resp: 52847
Ion Ratio Lower Upper
104 100
78 53.0 40.4 60.6
103 54.9 43.8 65.6



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





#71

Bromoform

Concen: 4.858 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU033954.D

Acq: 26 Aug 2019 17:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

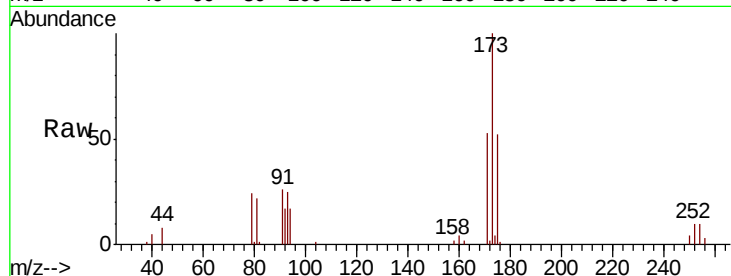
Tot Ion:173 Resp: 18218

Ion Ratio Lower Upper

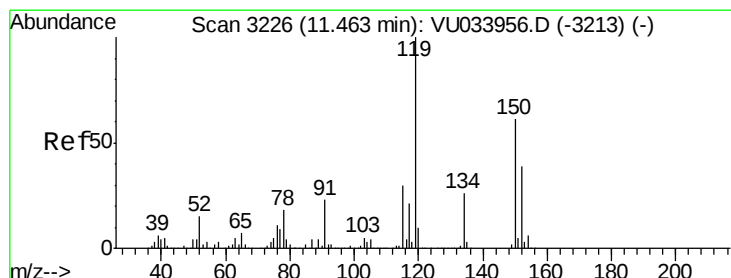
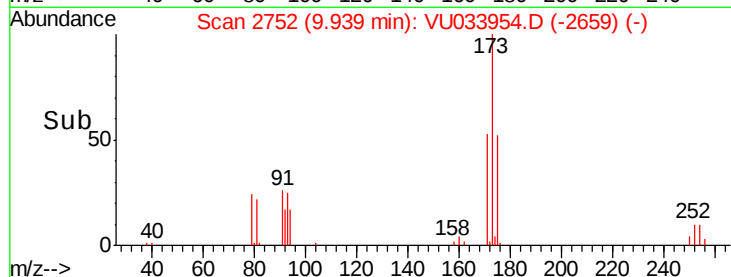
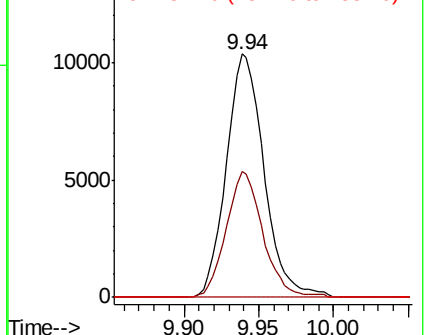
173 100

175 49.7 24.8 74.3

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. -0.00 min

Lab File: VU033954.D

Acq: 26 Aug 2019 17:04

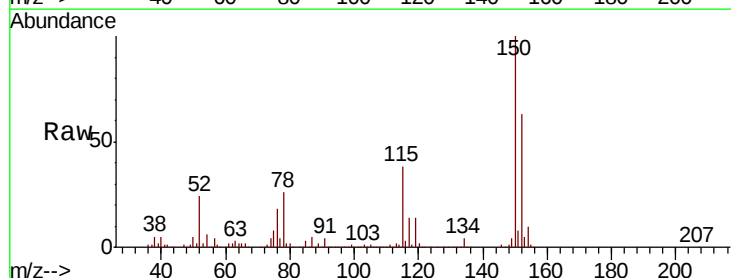
Tgt Ion:152 Resp: 325955

Ion Ratio Lower Upper

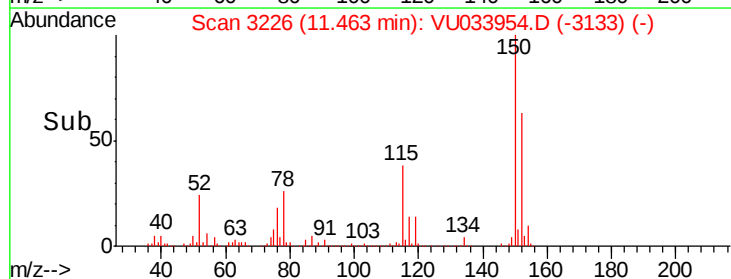
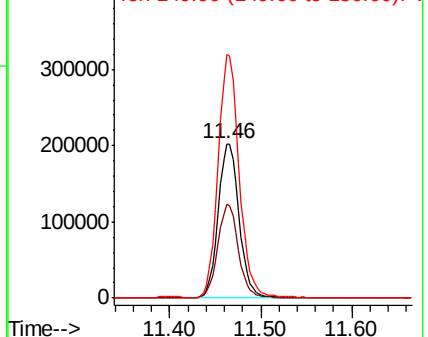
152 100

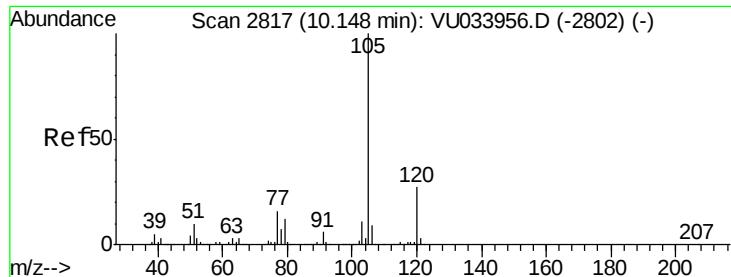
115 60.1 40.3 120.9

150 158.0 0.0 346.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 3.529 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. -0.00 min

Lab File: VU033954.D

Acq: 26 Aug 2019 17:04

Instrument :

MSVOA_U

ClientSampleId :

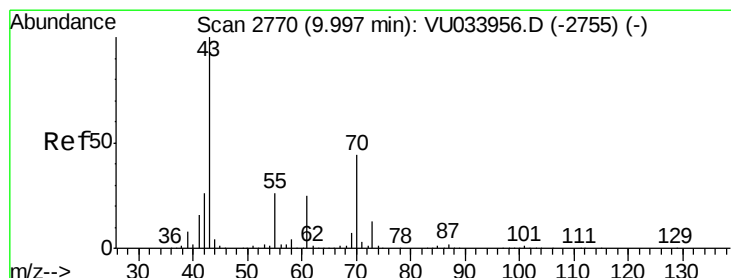
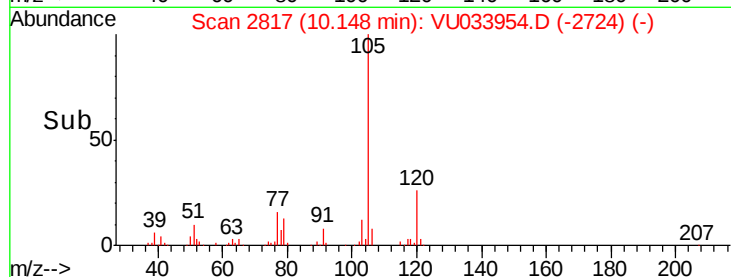
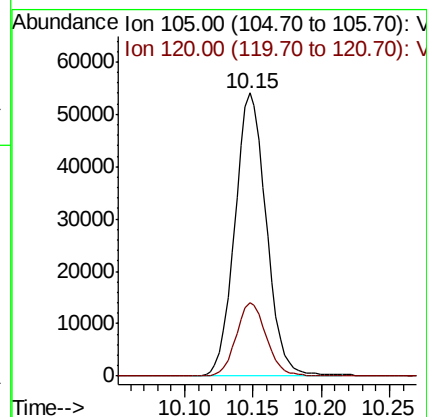
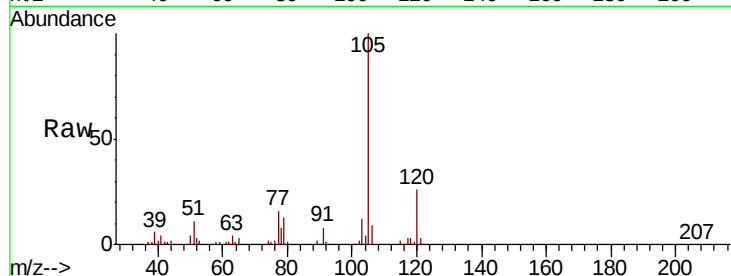
VSTDIC005

Tot Ion:105 Resp: 86382

Ion Ratio Lower Upper

105 100

120 25.1 13.3 39.9



#74

N-ethyl acetate

Concen: 2.327 ug/l

RT: 10.00 min Scan# 2771

Delta R.T. 0.00 min

Lab File: VU033954.D

Acq: 26 Aug 2019 17:04

Tgt Ion: 43 Resp: 31867

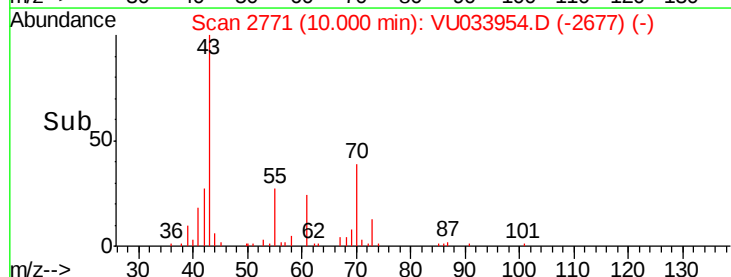
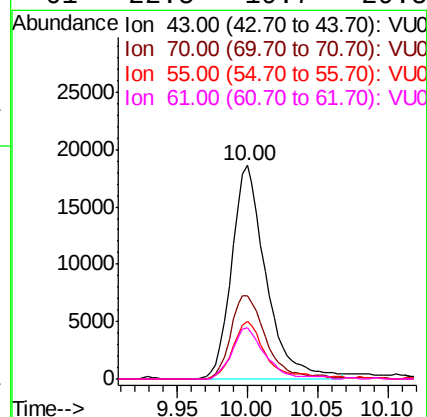
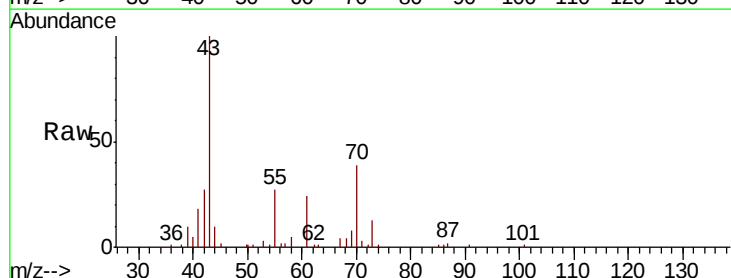
Ion Ratio Lower Upper

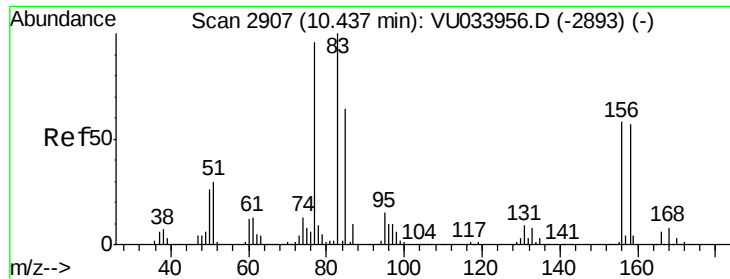
43 100

70 39.1 34.5 51.7

55 25.8 20.9 31.3

61 22.5 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 4.348 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU033954.D

Acq: 26 Aug 2019 17:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

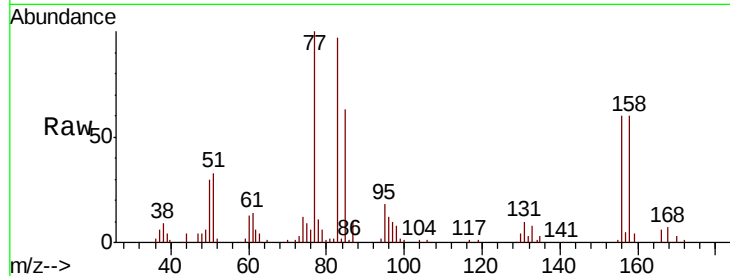
Tot Ion: 83 Resp: 40860

Ion Ratio Lower Upper

83 100

131 9.5 4.6 13.8

85 64.4 32.4 97.0



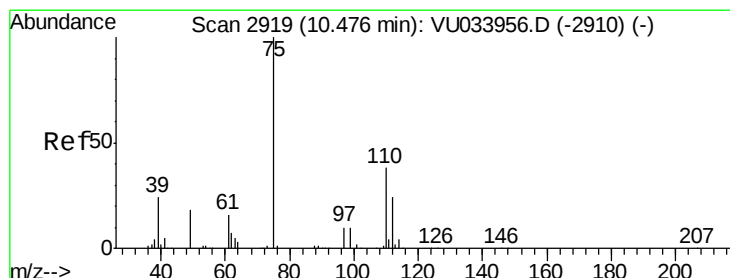
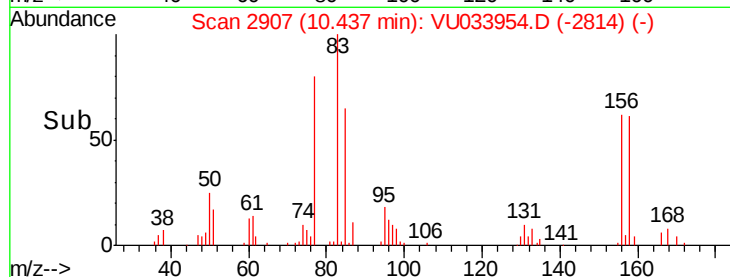
Abundance Ion 82.90 (82.60 to 83.60): VU033954.D (-2893) (-)

Ion 130.80 (130.50 to 131.50): VU033954.D (-2893) (-)

Ion 84.90 (84.60 to 85.60): VU033954.D (-2893) (-)

10.44

Time--> 10.35 10.40 10.45 10.50



#76

1,2,3-Trichloropropane

Concen: 5.544 ug/l

RT: 10.48 min Scan# 2919

Delta R.T. -0.00 min

Lab File: VU033954.D

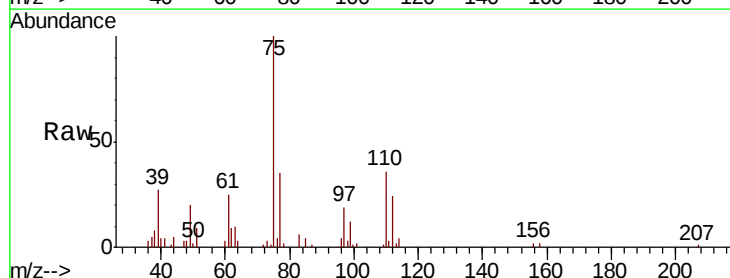
Acq: 26 Aug 2019 17:04

Tgt Ion: 75 Resp: 45303

Ion Ratio Lower Upper

75 100

77 32.1 20.1 60.3

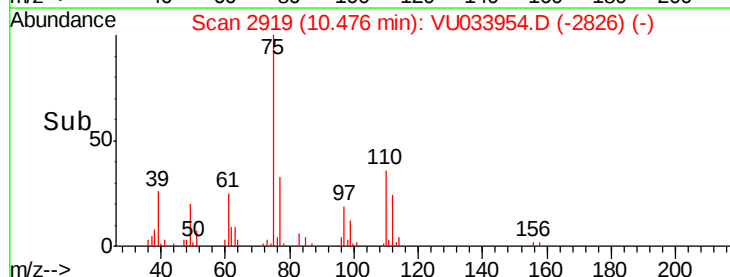


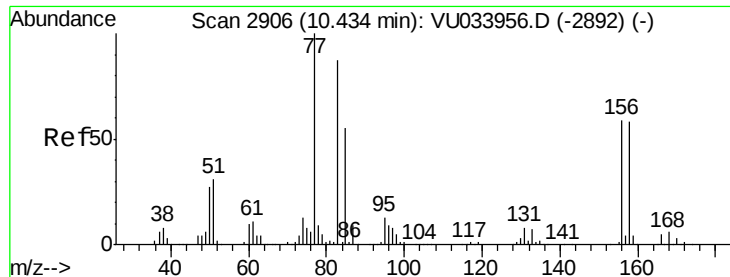
Abundance Ion 74.90 (74.60 to 75.60): VU033954.D (-2826) (-)

Ion 77.00 (76.70 to 77.70): VU033954.D (-2826) (-)

10.48

Time--> 10.40 10.45 10.50 10.55





#77

Bromobenzene

Concen: 4.426 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU033954.D

Acq: 26 Aug 2019 17:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

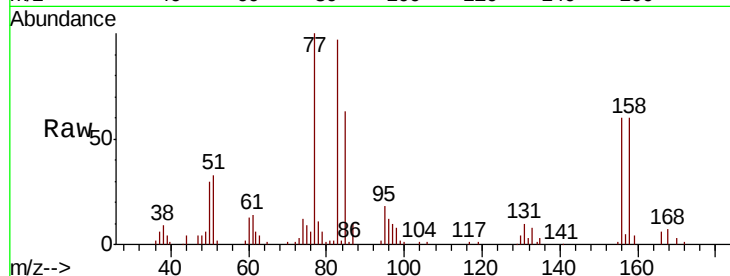
Tot Ion:156 Resp: 25591

Ion Ratio Lower Upper

156 100

77 162.3 85.3 255.8

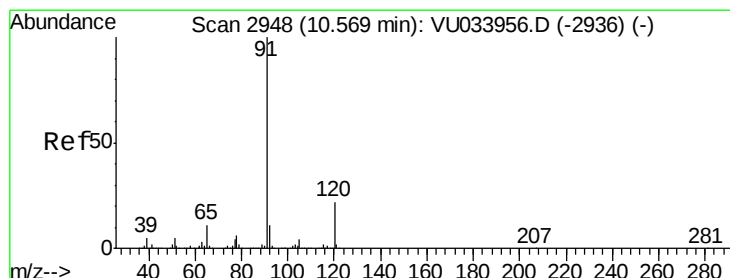
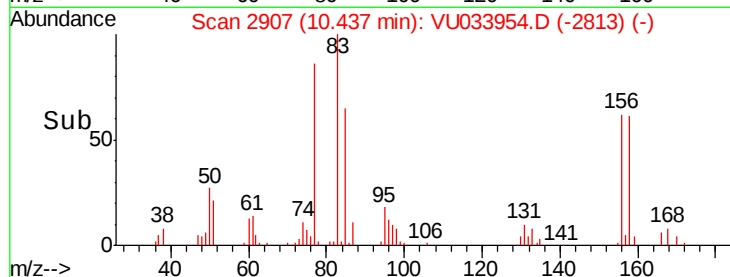
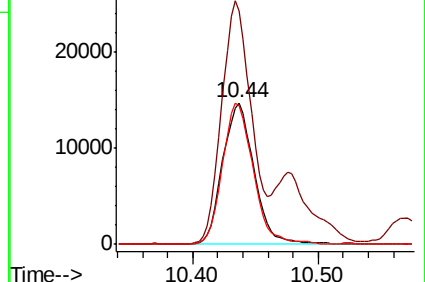
158 97.6 48.9 146.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 3.419 ug/l

RT: 10.57 min Scan# 2948

Delta R.T. -0.00 min

Lab File: VU033954.D

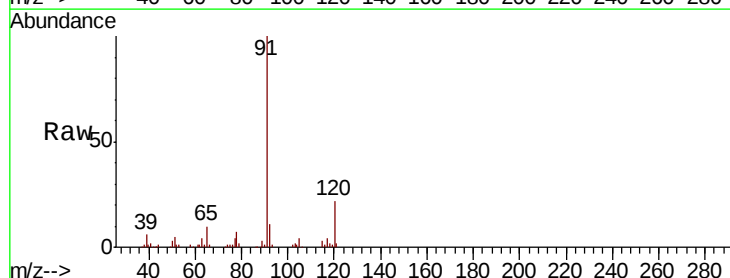
Acq: 26 Aug 2019 17:04

Tgt Ion: 91 Resp: 103508

Ion Ratio Lower Upper

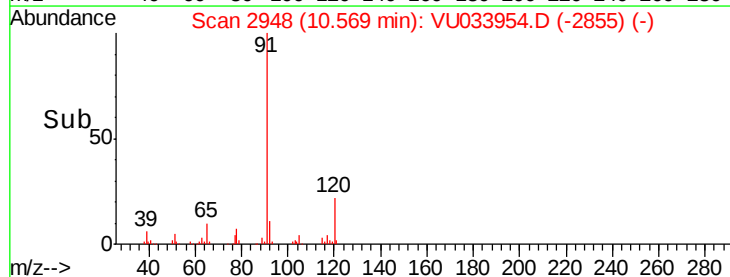
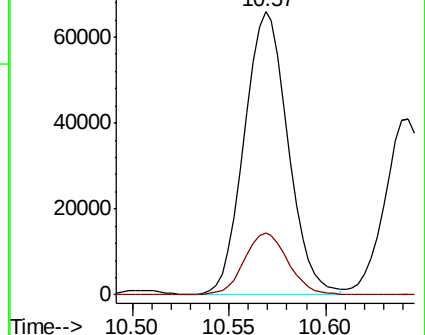
91 100

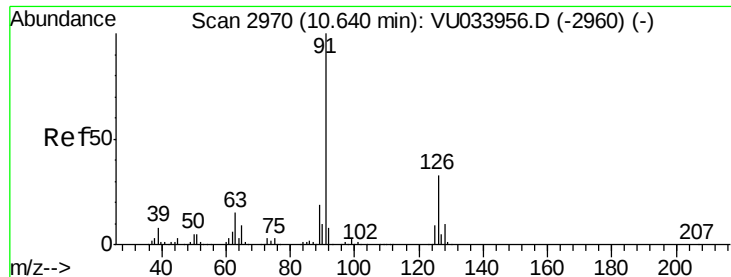
120 22.2 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 3.712 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. 0.00 min

Lab File: VU033954.D

Acq: 26 Aug 2019 17:04

Instrument :

MSVOA_U

ClientSampleId :

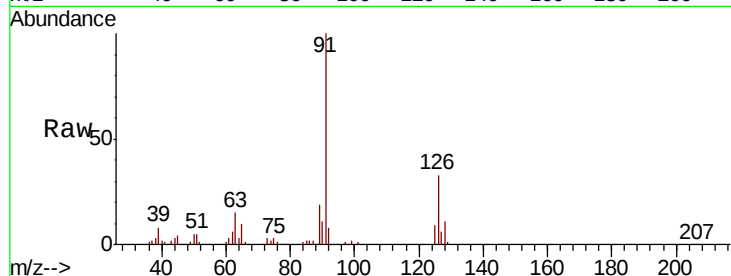
VSTDIC005

Tot Ion: 91 Resp: 64749

Ion Ratio Lower Upper

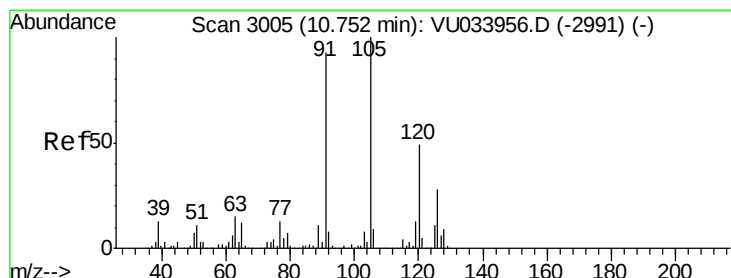
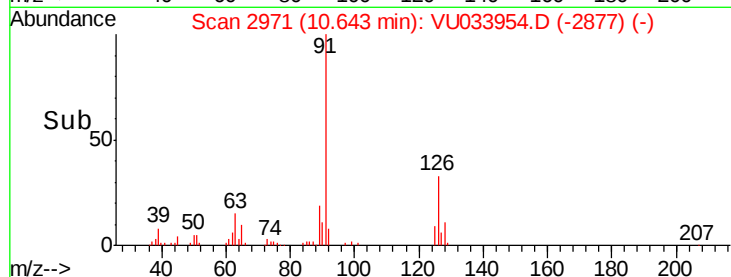
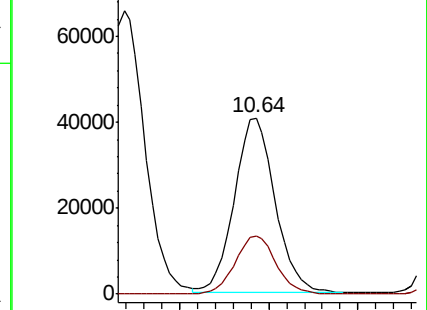
91 100

126 33.9 16.8 50.3



Abundance Ion 91.00 (90.70 to 91.70): VU033956.D (-2960) (-)

Ion 125.90 (125.60 to 126.60): VU033956.D (-2960) (-)



#80

1,3,5-Trimethylbenzene

Concen: 3.498 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VU033954.D

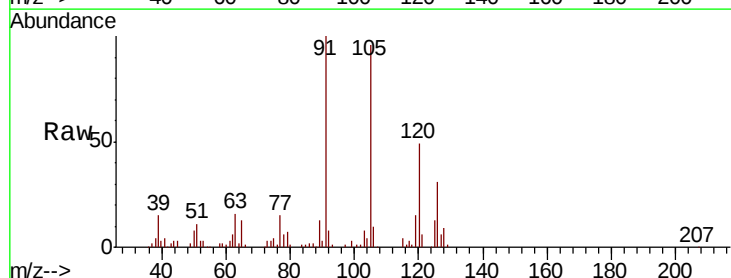
Acq: 26 Aug 2019 17:04

Tgt Ion: 105 Resp: 71090

Ion Ratio Lower Upper

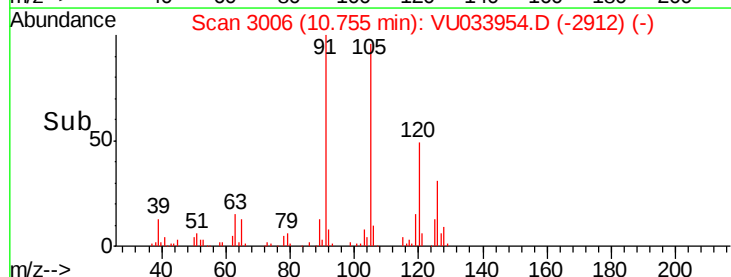
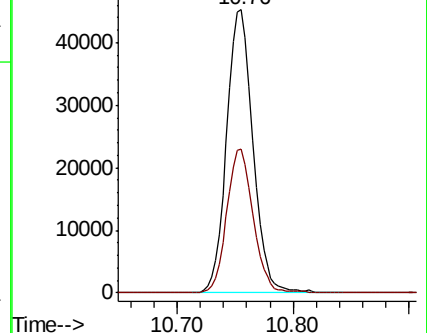
105 100

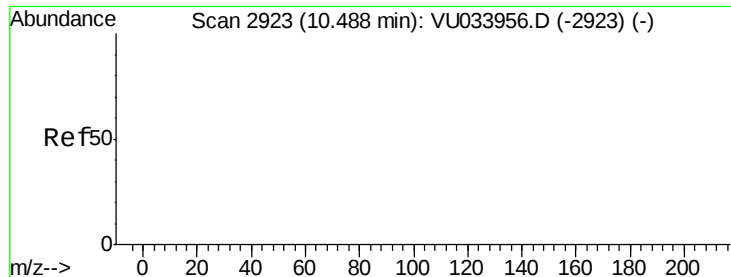
120 50.8 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): VU033956.D (-2991) (-)

Ion 120.00 (119.70 to 120.70): VU033956.D (-2991) (-)

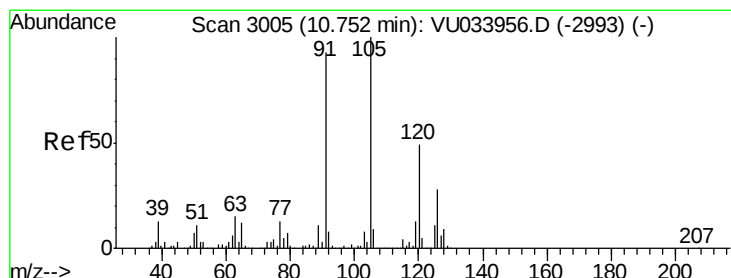
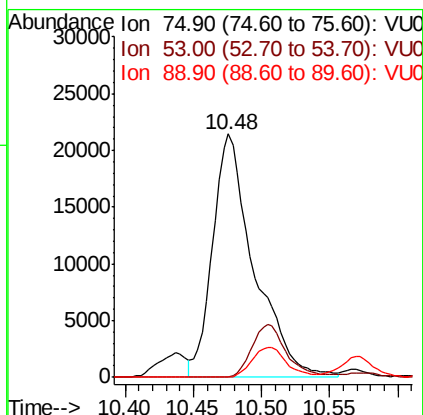
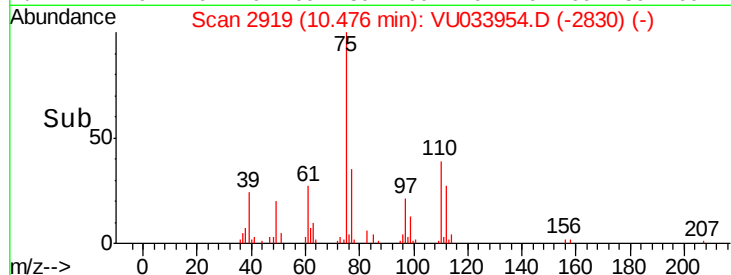
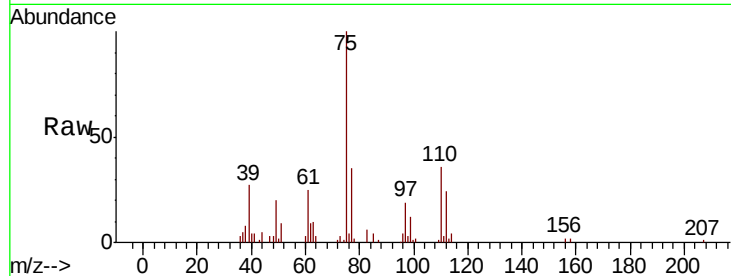




#81
trans-1,4-Dichloro-2-butene
Concen: 12.722 ug/l
RT: 10.48 min Scan# 2919
Delta R.T. -0.01 min
Lab File: VU033954.D
Acq: 26 Aug 2019 17:04

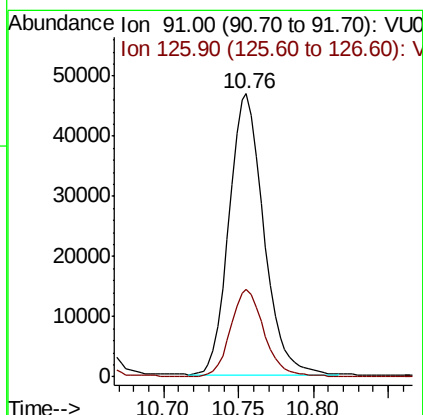
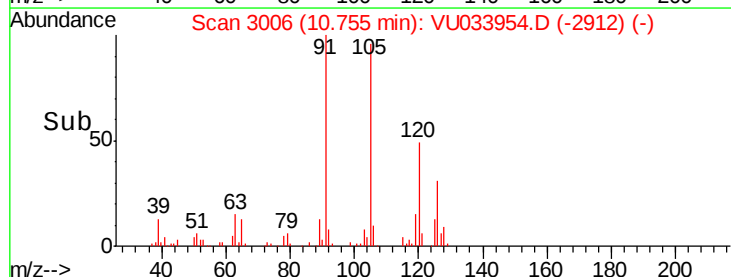
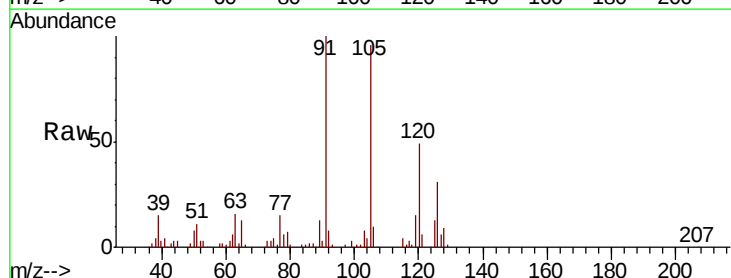
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

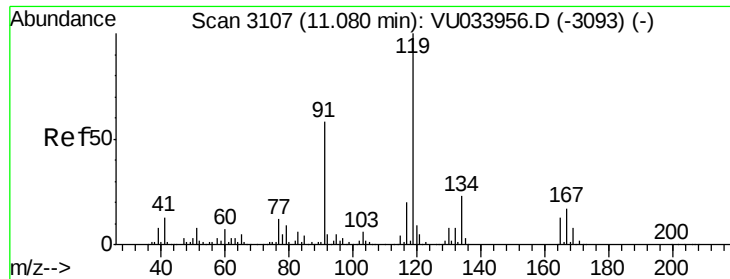
Tot Ion: 75 Resp: 45303
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 3.627 ug/l
RT: 10.76 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VU033954.D
Acq: 26 Aug 2019 17:04

Tgt Ion: 91 Resp: 75190
Ion Ratio Lower Upper
91 100
126 30.6 14.8 44.3

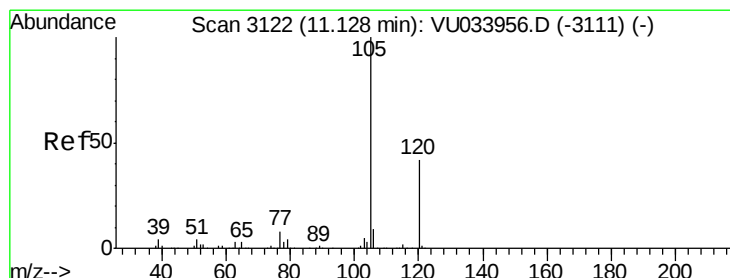
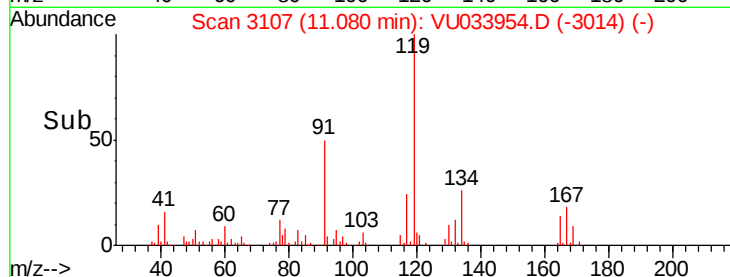
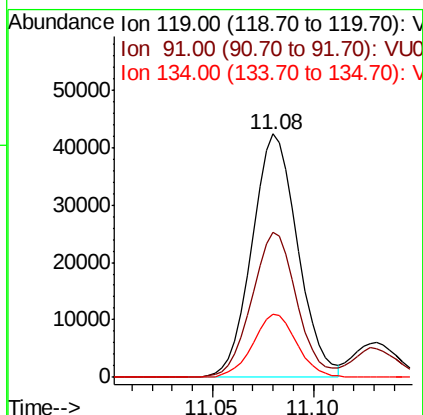
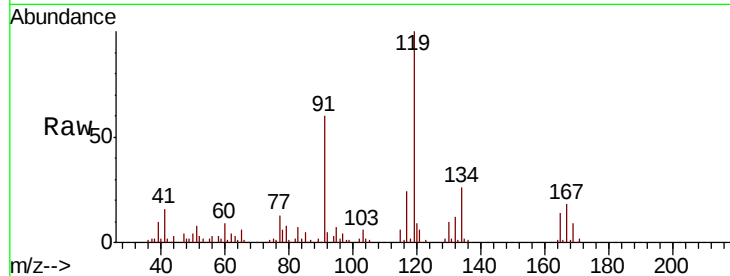




#83
tert-Butylbenzene
Concen: 3.430 ug/l
RT: 11.08 min Scan# 3107
Delta R.T. -0.00 min
Lab File: VU033954.D
Acq: 26 Aug 2019 17:04

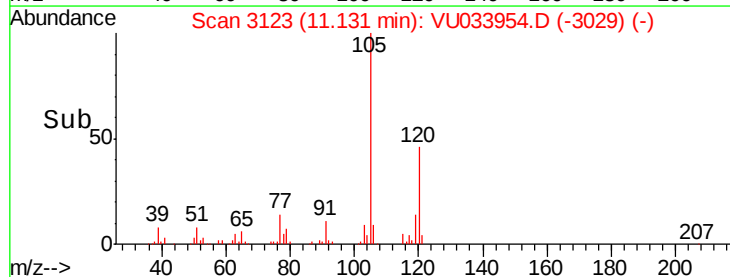
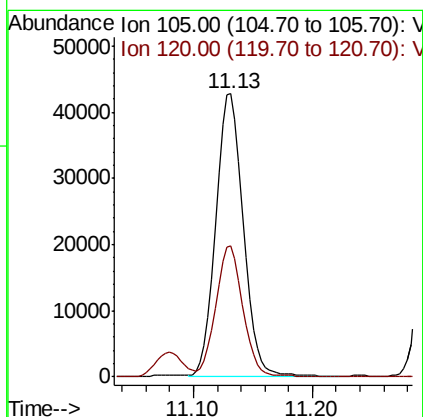
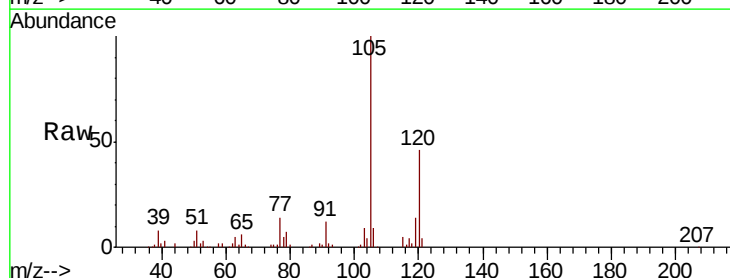
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

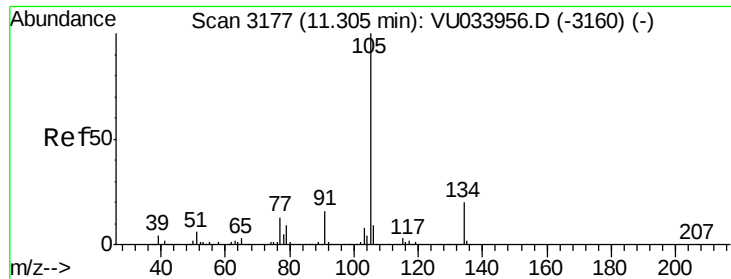
Tot Ion:119 Resp: 67034
Ion Ratio Lower Upper
119 100
91 58.2 28.6 85.8
134 25.0 11.7 35.0



#84
1,2,4-Trimethylbenzene
Concen: 3.301 ug/l
RT: 11.13 min Scan# 3123
Delta R.T. 0.00 min
Lab File: VU033954.D
Acq: 26 Aug 2019 17:04

Tgt Ion:105 Resp: 68995
Ion Ratio Lower Upper
105 100
120 45.4 23.0 69.0

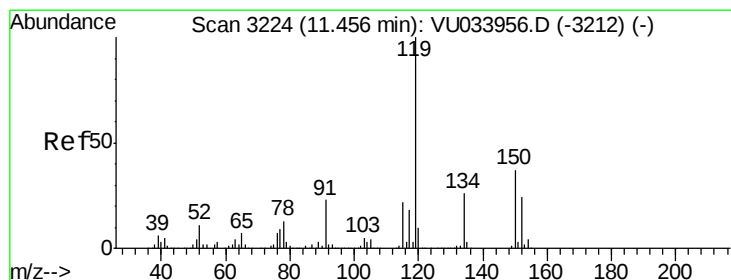
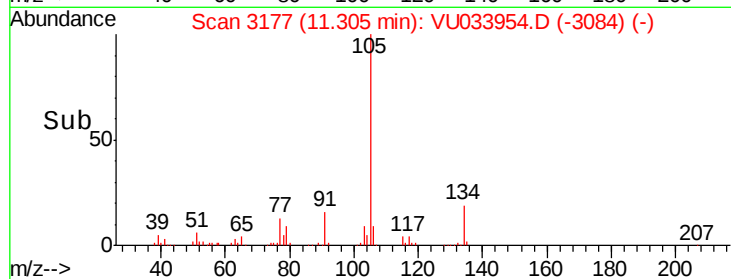
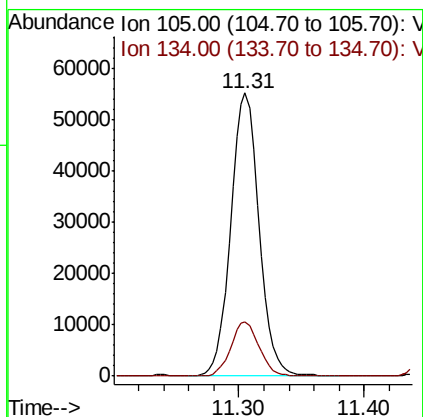
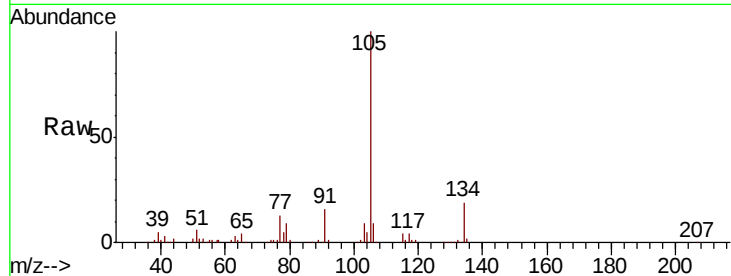




#85
 sec-Butylbenzene
 Concen: 3.422 ug/l
 RT: 11.31 min Scan# 3177
 Delta R.T. -0.00 min
 Lab File: VU033954.D
 Acq: 26 Aug 2019 17:04

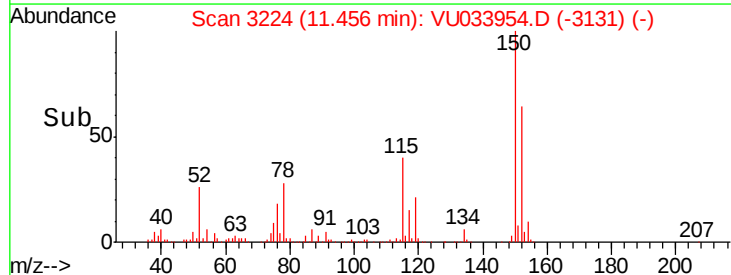
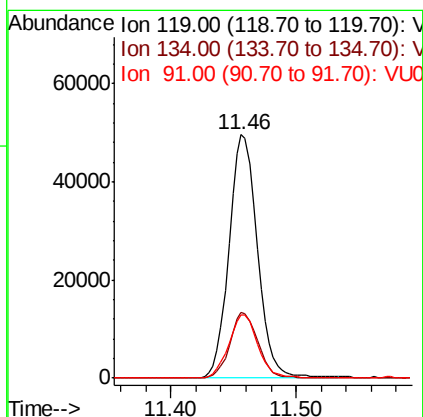
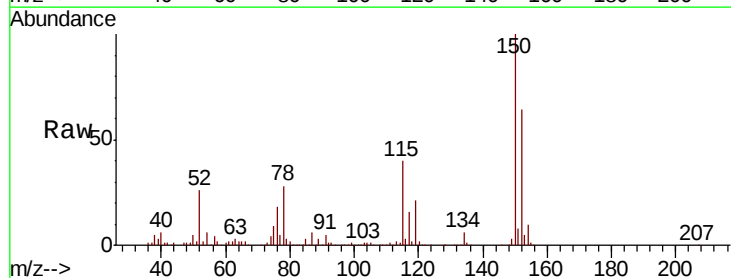
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

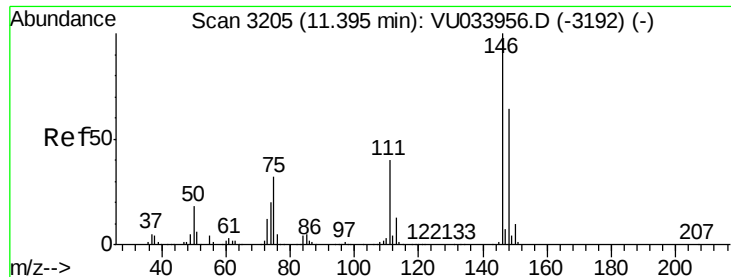
Tot Ion:105 Resp: 85454
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 3.623 ug/l
 RT: 11.46 min Scan# 3224
 Delta R.T. -0.00 min
 Lab File: VU033954.D
 Acq: 26 Aug 2019 17:04

Tgt Ion:119 Resp: 77906
 Ion Ratio Lower Upper
 119 100
 134 26.7 12.9 38.7
 91 26.6 11.6 34.7





#87

1,3-Dichlorobenzene

Concen: 4.338 ug/l

RT: 11.40 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU033954.D

Acq: 26 Aug 2019 17:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

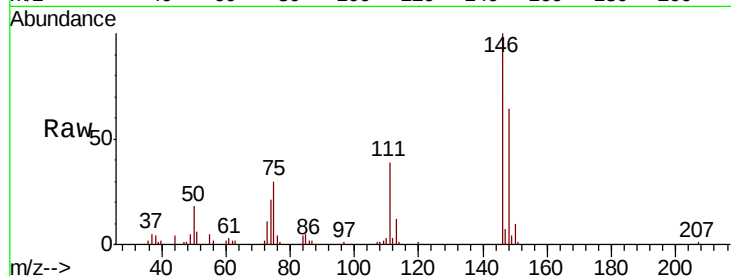
Tot Ion:146 Resp: 47409

Ion Ratio Lower Upper

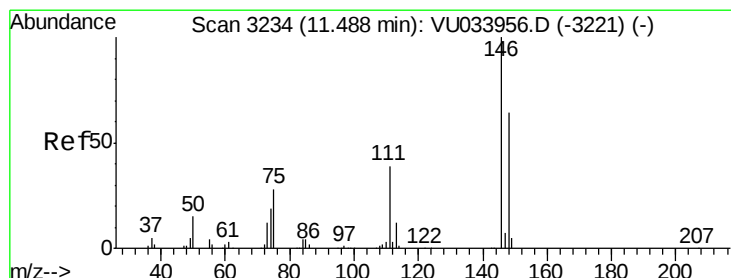
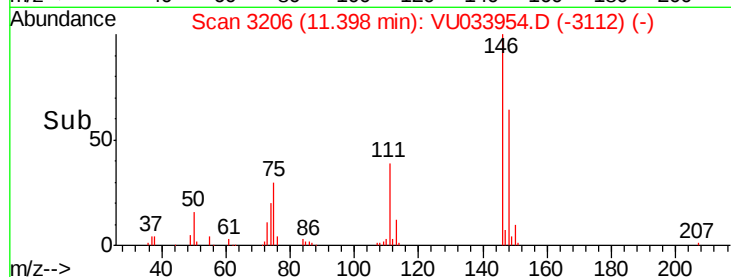
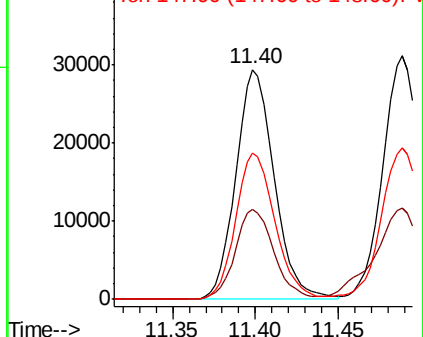
146 100

111 39.4 20.1 60.2

148 64.8 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 4.491 ug/l

RT: 11.49 min Scan# 3234

Delta R.T. -0.00 min

Lab File: VU033954.D

Acq: 26 Aug 2019 17:04

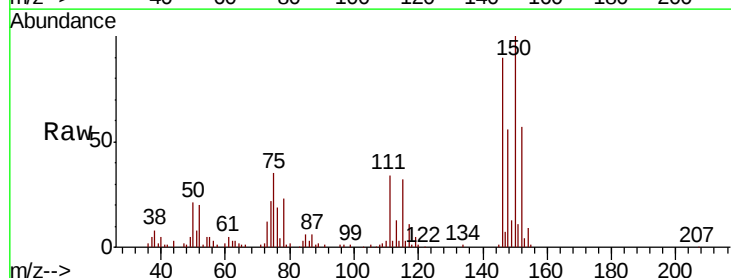
Tgt Ion:146 Resp: 50682

Ion Ratio Lower Upper

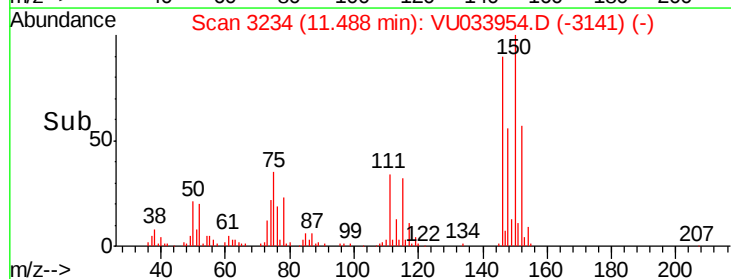
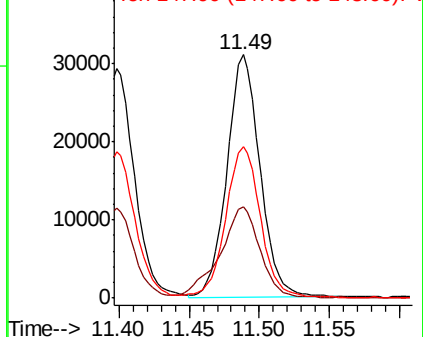
146 100

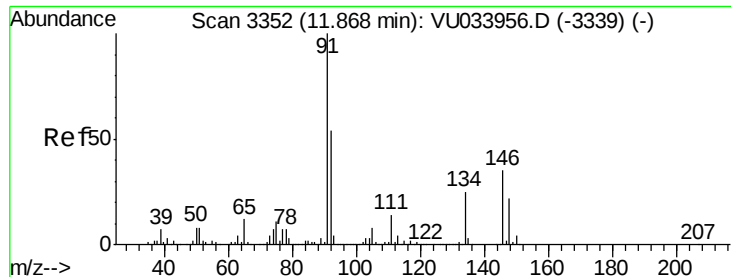
111 46.4 19.8 59.4

148 64.6 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

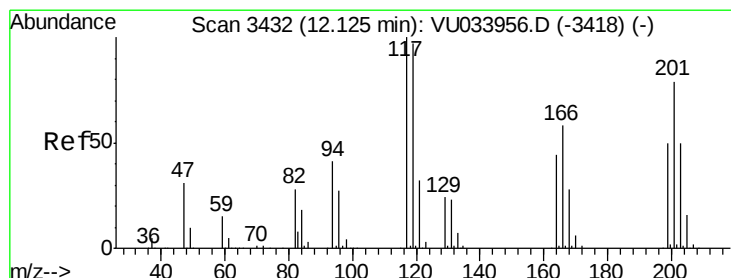
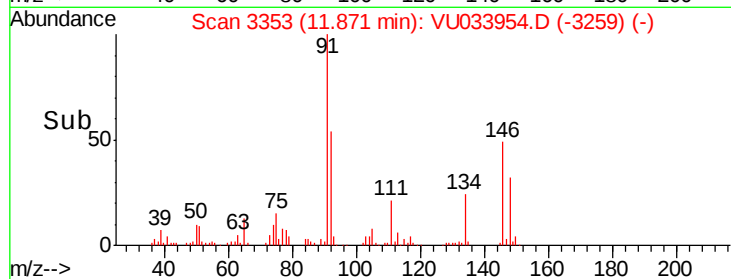
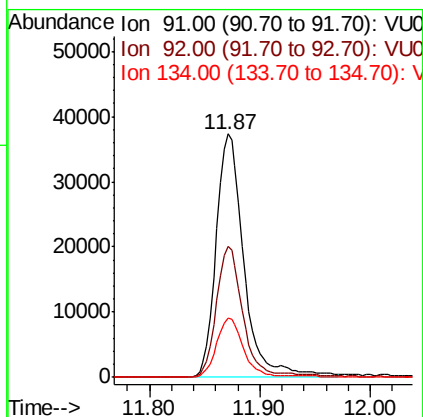
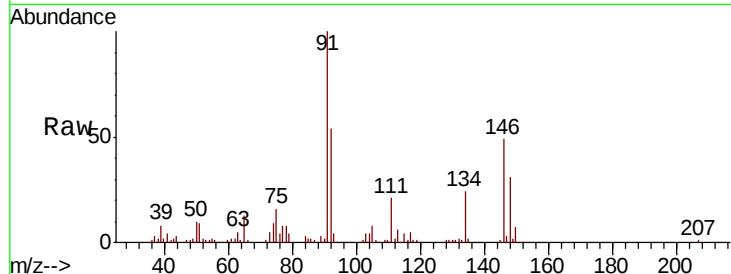




#89
n-Butylbenzene
Concen: 3.045 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VU033954.D
Acq: 26 Aug 2019 17:04

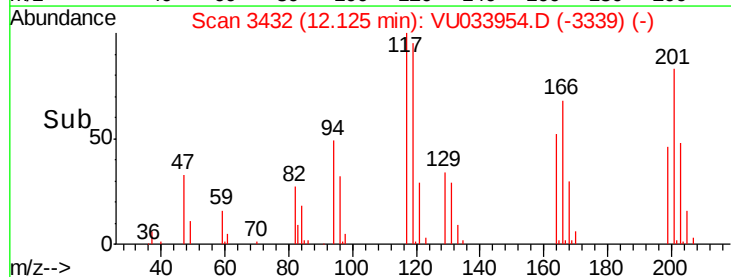
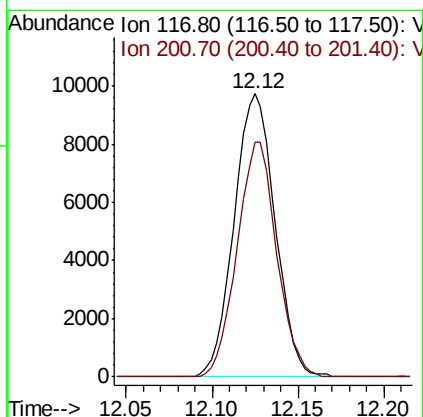
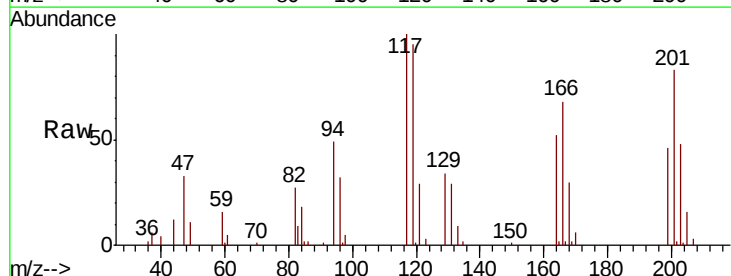
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

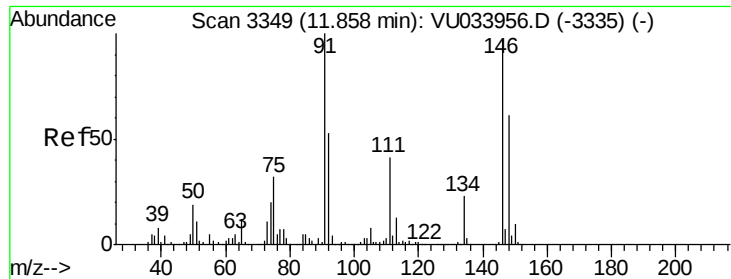
Tot Ion: 91 Resp: 65452
Ion Ratio Lower Upper
91 100
92 49.9 26.9 80.6
134 23.2 12.6 37.6



#90
Hexachloroethane
Concen: 4.822 ug/l
RT: 12.12 min Scan# 3432
Delta R.T. -0.00 min
Lab File: VU033954.D
Acq: 26 Aug 2019 17:04

Tgt Ion: 117 Resp: 16077
Ion Ratio Lower Upper
117 100
201 80.2 39.6 118.7





#91

1,2-Dichlorobenzene

Concen: 4.065 ug/l

RT: 11.86 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VU033954.D

Acq: 26 Aug 2019 17:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

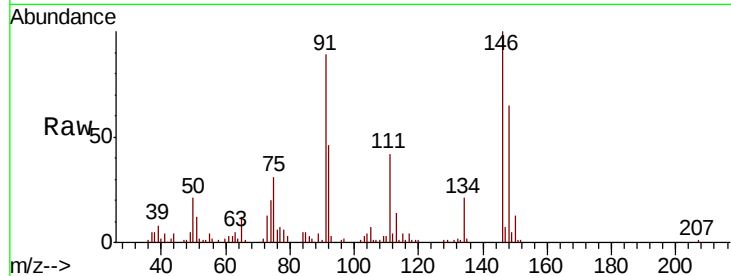
Tot Ion:146 Resp: 44280

Ion Ratio Lower Upper

146 100

111 43.1 21.1 63.1

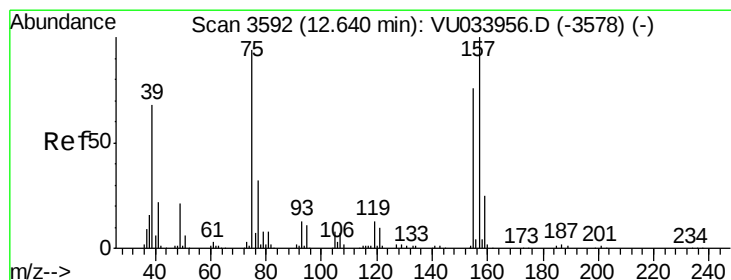
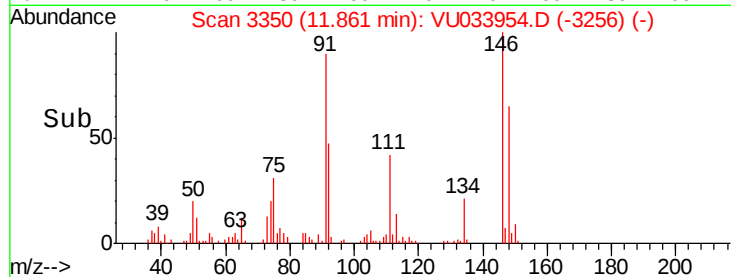
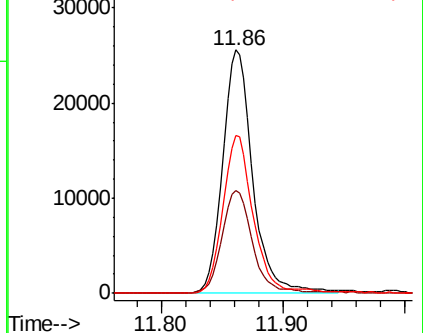
148 65.9 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.447 ug/l

RT: 12.64 min Scan# 3593

Delta R.T. 0.00 min

Lab File: VU033954.D

Acq: 26 Aug 2019 17:04

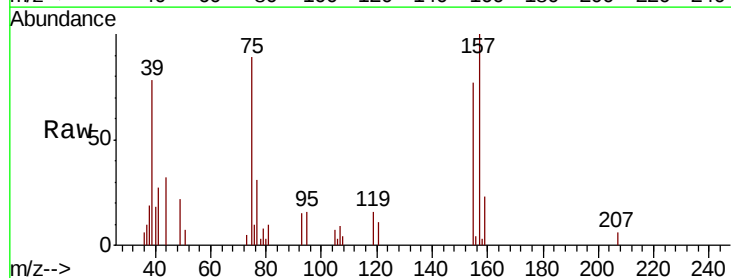
Tgt Ion: 75 Resp: 7009

Ion Ratio Lower Upper

75 100

155 82.7 40.0 119.9

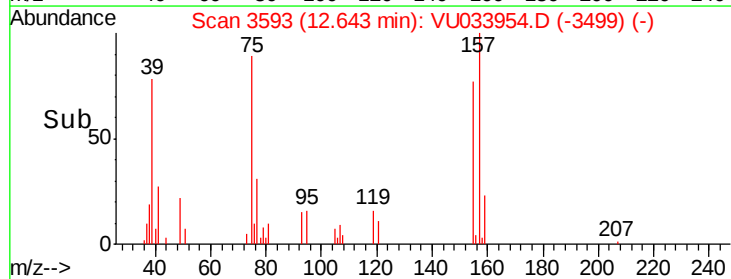
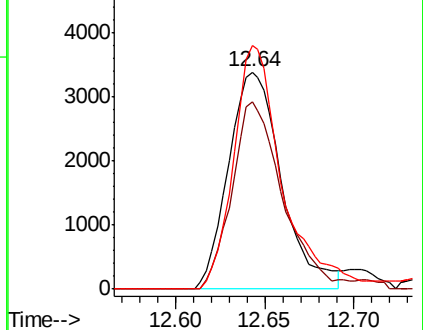
157 102.9 51.9 155.7

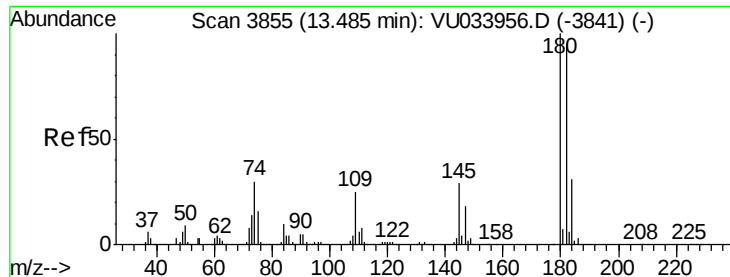


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

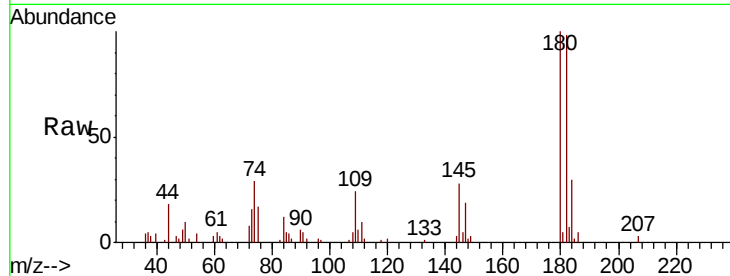




#93
 1,2,4-Trichlorobenzene
 Concen: 2.530 ug/l
 RT: 13.49 min Scan# 3857
 Delta R.T. 0.01 min
 Lab File: VU033954.D
 Acq: 26 Aug 2019 17:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.4	47.4	142.3
145	27.4	14.2	42.8

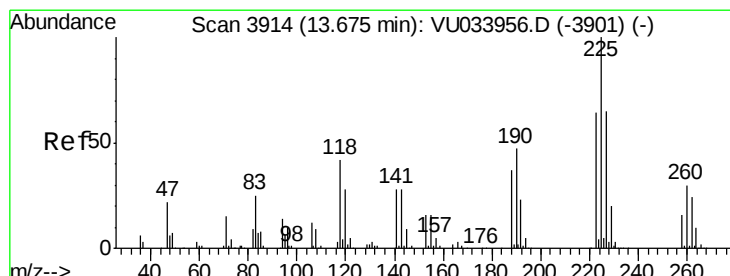
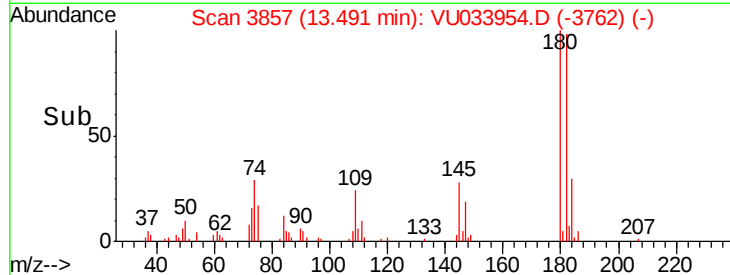
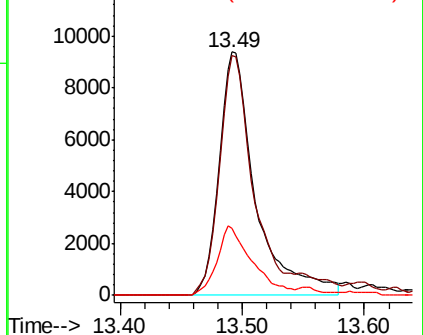


Abundance

Ion 179.80 (179.50 to 180.50): V

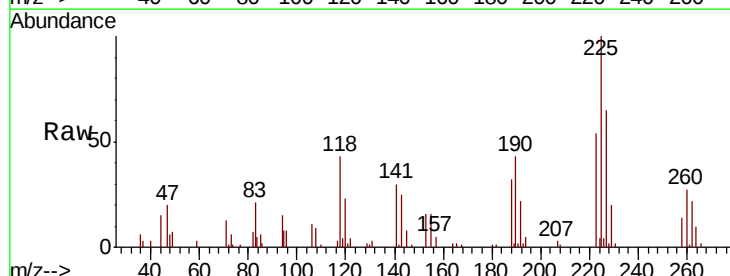
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 4.696 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. -0.00 min
 Lab File: VU033954.D
 Acq: 26 Aug 2019 17:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.4	31.4	94.0
227	64.1	32.3	96.8

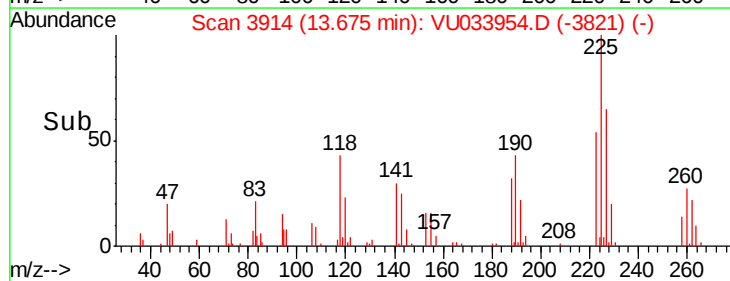
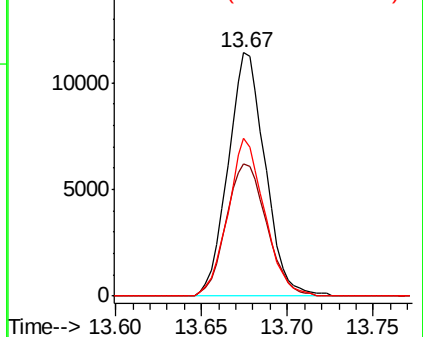


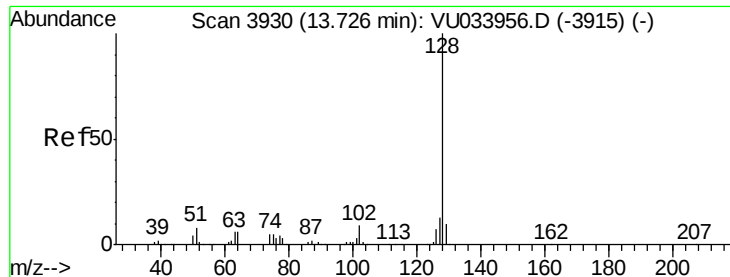
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 1.650 ug/l

RT: 13.73 min Scan# 3932

Delta R.T. 0.01 min

Lab File: VU033954.D

Acq: 26 Aug 2019 17:04

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

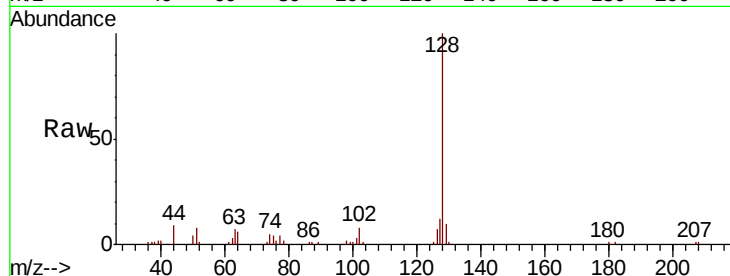
Tot Ion:128 Resp: 42099

Ion Ratio Lower Upper

128 100

127 11.2 10.1 15.1

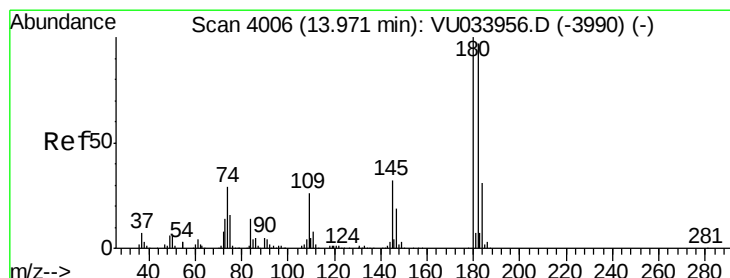
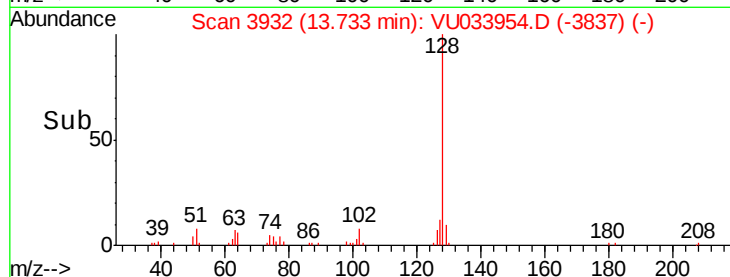
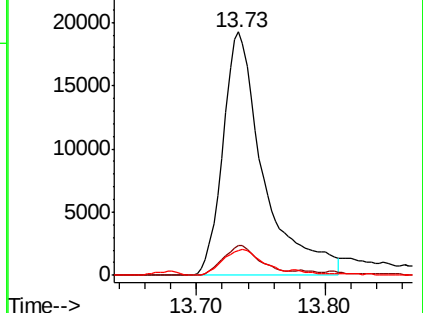
129 10.4 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 2.579 ug/l

RT: 13.98 min Scan# 4008

Delta R.T. 0.01 min

Lab File: VU033954.D

Acq: 26 Aug 2019 17:04

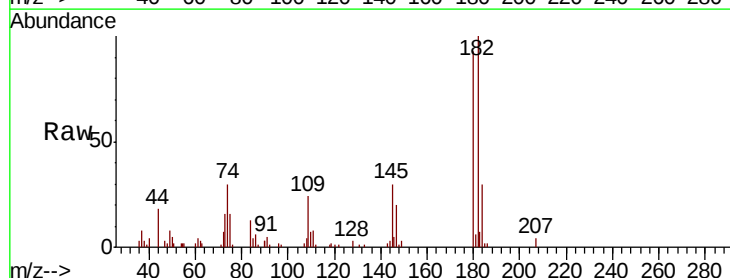
Tgt Ion:180 Resp: 20135

Ion Ratio Lower Upper

180 100

182 102.9 48.6 145.8

145 31.8 15.7 47.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

