

Data File : VU029831.D
Acq On : 06 Mar 2019 09:53
Operator : JC/SP
Sample : VSTDIC001
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Quant Time: Mar 07 01:03:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U030719DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Mar 07 01:00:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	58649	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	20948	0.99	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	25867	1.06	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.00%	

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	21532	1.097	ug/l	98
3) Chloromethane	1.33	50	19015	1.088	ug/l	100
4) Vinyl Chloride	1.40	62	20014	1.018	ug/l	98
5) Bromomethane	1.63	94	16018	1.193	ug/l	98
6) Chloroethane	1.70	64	12018	1.020	ug/l	99
7) Trichlorofluoromethane	1.88	101	27615	1.031	ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	16137	1.035	ug/l	100
9) 1,1-Dichloroethene	2.28	96	15642	1.025	ug/l	94
10) Iodomethane	2.41	142	10680	0.808	ug/l	99
11) Allyl Chloride	2.59	41	22805	1.063	ug/l	98
12) Acrylonitrile	2.94	53	7407	2.227	ug/l	99
13) Acetone	2.32	43	14768	5.361	ug/l	93
14) Carbon Disulfide	2.47	76	52520	1.063	ug/l	100
15) Methylene Chloride	2.70	84	19776	1.080	ug/l	98
16) trans-1,2-Dichloroethene	2.97	96	18858	1.094	ug/l	91
17) 1,1-Dichloroethane	3.44	63	31329	1.087	ug/l	96
18) 2-Butanone	4.28	43	19060	5.091	ug/l	95
19) Cyclohexane	4.98	56	20059	0.917	ug/l	97
20) Methylcyclohexane	6.41	83	25414	0.975	ug/l	93
21) 2,2-Dichloropropane	4.22	77	24726	1.049	ug/l	97
22) cis-1,2-Dichloroethene	4.22	96	18691	1.023	ug/l	98
23) Diethyl Ether	2.10	59	11637	1.017	ug/l	91
24) tert-Butyl Alcohol	2.84	59	12253	10.386	ug/l	99
25) Methyl tert-Butyl Ether	3.00	73	40112	1.044	ug/l	98
26) Bromochloromethane	4.55	128	8641	1.066	ug/l	98
27) Chloroform	4.67	83	30804	1.055	ug/l	98
28) 1,1,1-Trichloroethane	4.91	97	26018	1.051	ug/l	99
29) 1,1-Dichloropropene	5.13	75	22990	1.045	ug/l	99
30) Carbon Tetrachloride	5.13	117	22095	1.023	ug/l	91
31) Isopropyl Ether	3.57	45	41840	1.052	ug/l	95
32) Ethyl-t-butyl ether	4.07	59	39792	1.029	ug/l	99
33) Tert-Amyl methyl ether	5.58	73	35656	0.997	ug/l	98
34) Propionitrile	4.34	54	5472	4.913	ug/l #	85
35) Benzene	5.38	78	66372	1.024	ug/l	99
36) 1,2-Dichloroethane	5.40	62	18794	1.062	ug/l	99
37) Trichloroethene	6.18	130	19606	1.036	ug/l	97
38) 1,2-Dichloropropane	6.43	63	16927	1.032	ug/l	100
39) Methacrylonitrile	4.56	41	5106	1.090	ug/l	89
40) Methyl acrylate	4.43	55	7324	0.989	ug/l #	94
41) Tetrahydrofuran	4.65	42	5148	2.101	ug/l	93
42) 1-Chlorobutane	5.06	56	29173	1.038	ug/l	100

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MSVOA_U
ClientSampleId :
VSTDIC001

Quant Time: Mar 07 01:03:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U030719DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Mar 07 01:00:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	8976	1.056	ug/l	99
44) Bromodichloromethane	6.75	83	21412	1.025	ug/l	99
45) 4-Methyl-2-Pentanone	7.46	43	44901	5.064	ug/l	98
46) t-1,4-Dichloro-2-butene	10.49	75	8760	2.270	ug/l #	81
47) Methyl methacrylate	6.63	69	14795	2.028	ug/l	97
48) Ethyl methacrylate	8.02	69	12862	0.920	ug/l	91
49) Toluene	7.63	92	39378	0.989	ug/l	96
50) t-1,3-Dichloropropene	7.88	75	17896	0.978	ug/l	97
51) cis-1,3-Dichloropropene	7.27	75	22096	0.975	ug/l	94
52) 1,1,2-Trichloroethane	8.07	97	12824	1.019	ug/l	94
53) 1,3-Dichloropropane	8.24	76	22347	1.083	ug/l	99
54) 2-Hexanone	8.37	43	30050	4.880	ug/l	99
55) Dibromochloromethane	8.47	129	14941	1.000	ug/l	98
56) 1,2-Dibromoethane	8.59	107	12404	1.040	ug/l	99
58) Tetrachloroethene	8.22	164	19704	1.020	ug/l	92
59) Chlorobenzene	9.12	112	46474	1.016	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.21	131	16543	1.008	ug/l	99
61) Pentachloroethane	11.10	117	11314	0.990	ug/l	100
62) Hexachloroethane	12.14	117	11765	0.979	ug/l	95
63) Ethyl Benzene	9.25	91	73236	0.977	ug/l	98
64) m/p-Xylenes	9.37	106	58073	1.961	ug/l	99
65) o-Xylene	9.77	106	27437	0.964	ug/l	97
66) Styrene	9.79	104	45559	0.964	ug/l	99
67) Bromoform	9.96	173	8431	0.961	ug/l	98
69) Isopropylbenzene	10.16	105	73876	0.979	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.46	83	15487	1.009	ug/l	97
71) 1,2,3-Trichloropropane	10.49	75	8760	0.788	ug/l #	82
72) Bromobenzene	10.45	156	20090	1.006	ug/l	97
73) n-propylbenzene	10.58	120	19849	0.936	ug/l	92
74) 2-Chlorotoluene	10.66	126	18575	0.987	ug/l	99
75) 1,3,5-Trimethylbenzene	10.77	105	60655	0.954	ug/l	98
76) 4-Chlorotoluene	10.77	126	18892	0.985	ug/l	100
77) tert-Butylbenzene	11.10	119	62072	0.987	ug/l	97
78) 1,2,4-Trimethylbenzene	11.15	105	62126	0.967	ug/l	97
79) sec-Butylbenzene	11.32	105	80345	0.964	ug/l	98
80) Nitrobenzene	12.88	77	361	1.232	ug/l #	82
81) p-Isopropyltoluene	11.47	119	64478	0.924	ug/l	99
82) 1,3-Dichlorobenzene	11.41	146	39989	1.011	ug/l	100
83) 1,4-Dichlorobenzene	11.51	146	38044	0.985	ug/l	98
84) n-Butylbenzene	11.89	91	59469	0.936	ug/l	97
85) 1,2-Dichlorobenzene	11.88	146	38699	1.038	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	12.66	75	2191	1.000	ug/l	95
87) 1,2,4-Trichlorobenzene	13.50	180	22937	0.961	ug/l	95
88) Hexachlorobutadiene	13.69	225	16178	1.076	ug/l	93
89) Naphthalene	13.74	128	33723	0.884	ug/l	97
90) 1,2,3-Trichlorobenzene	13.99	180	22526	1.004	ug/l	93

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

Data File : VU029831.D

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Operator : JC/SP

Sample : VSTDICC001

Misc : 25.0mL/MSVOA U/WATER

```
ALS Vial      : 3      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
VSTDICC001

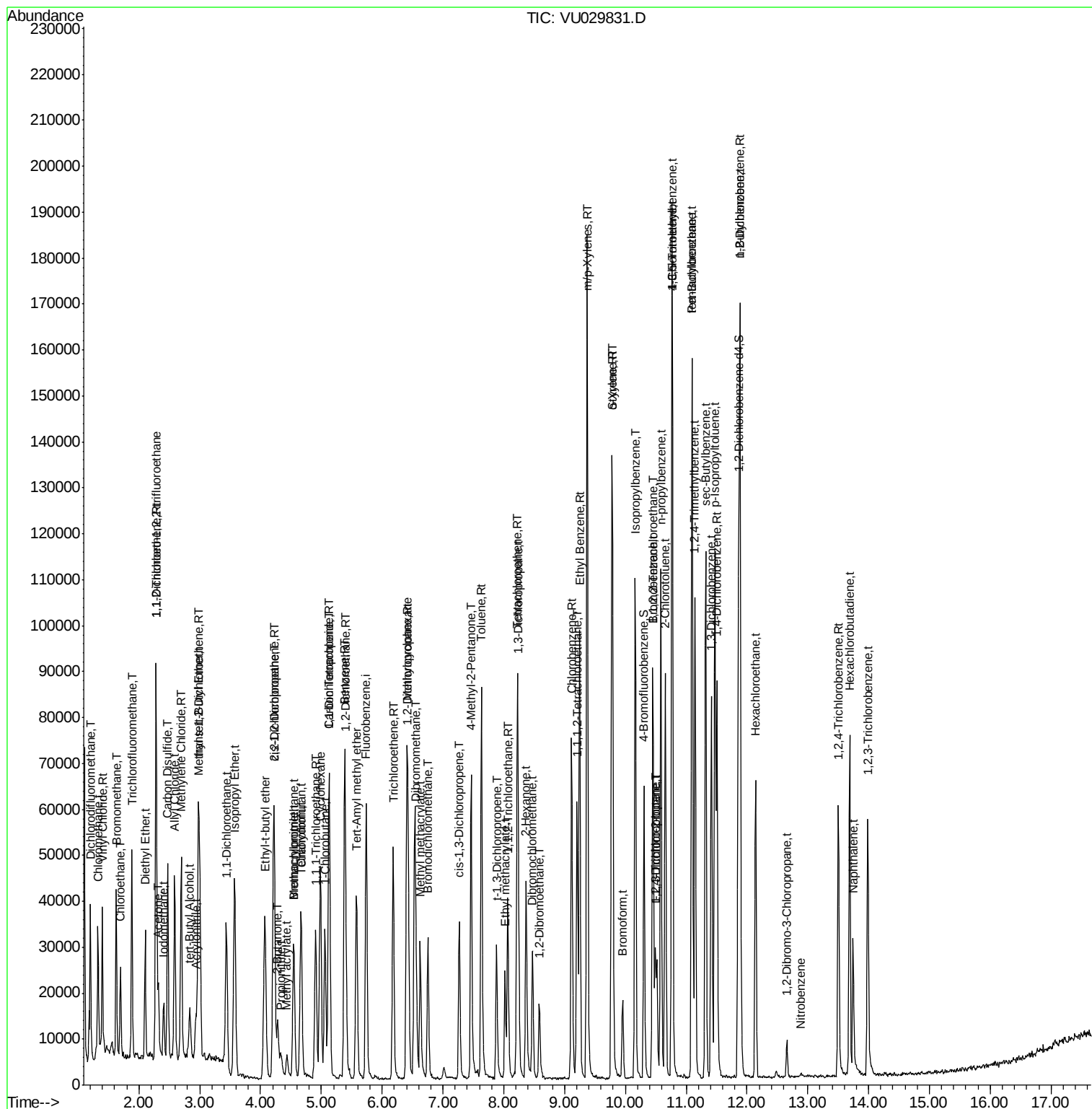
Quant Time: Mar 07 01:03:26 2019

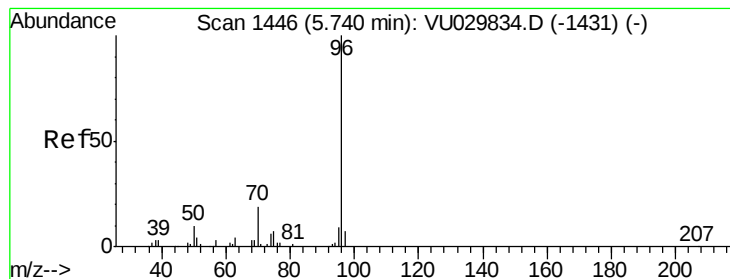
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_U\METHOD\524U030719DW.M

Quant Title : METHOD 524.2 VOLATILES DRINKING WATER

QLast Update : Thu Mar 07 01:00:11 2019

Response via : Initial Calibration





#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. -0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 96 Resp: 58649

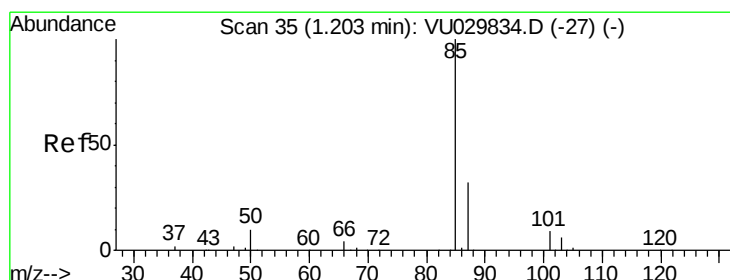
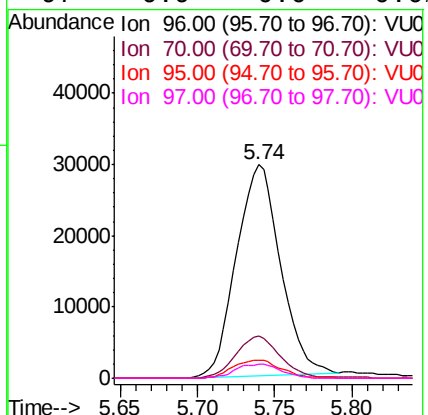
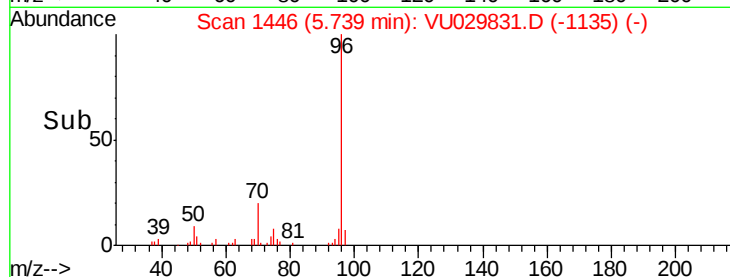
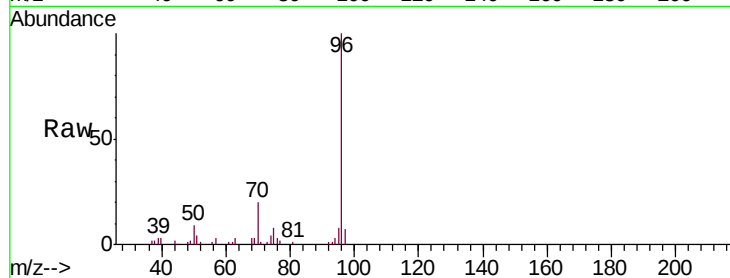
Ion Ratio Lower Upper

96 100

70 19.2 14.4 21.6

95 9.5 7.0 10.6

97 6.9 0.0 0.0#



#2

Dichlorodifluoromethane

Concen: 1.097 ug/l

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU029831.D

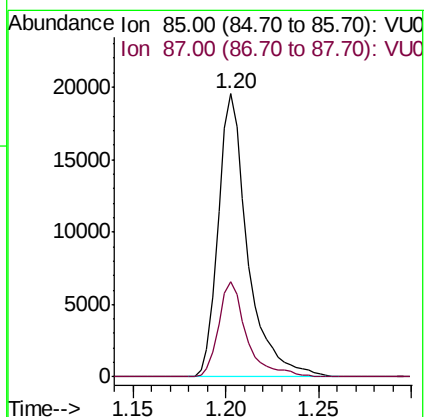
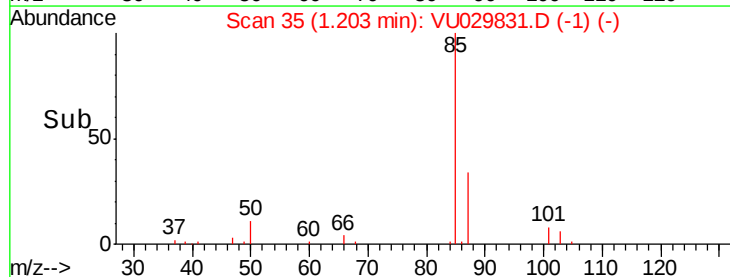
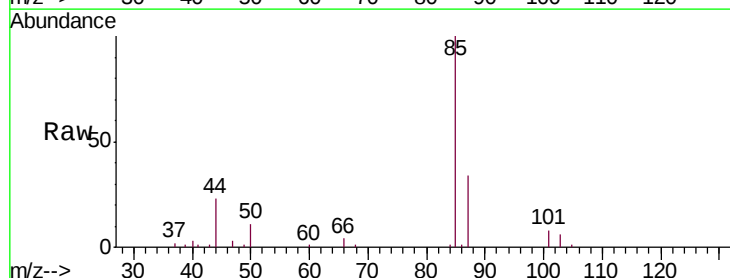
Acq: 06 Mar 2019 09:53

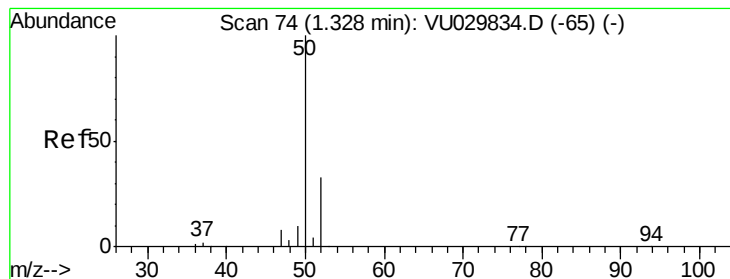
Tgt Ion: 85 Resp: 21532

Ion Ratio Lower Upper

85 100

87 33.5 16.2 48.6





#3

Chloromethane

Concen: 1.088 ug/l

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

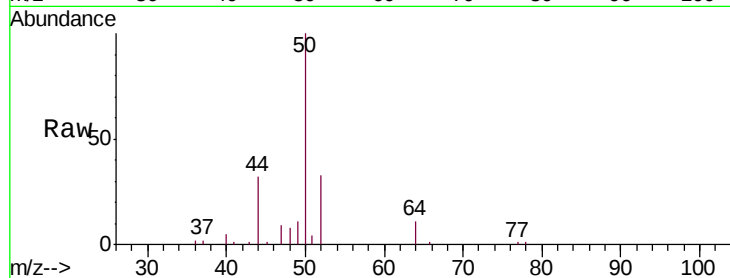
VSTDIC001

Tgt Ion: 50 Resp: 19015

Ion Ratio Lower Upper

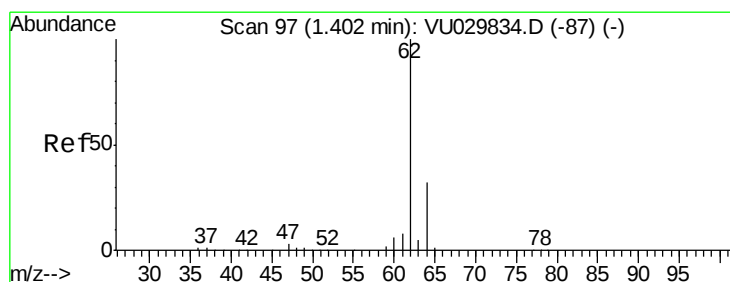
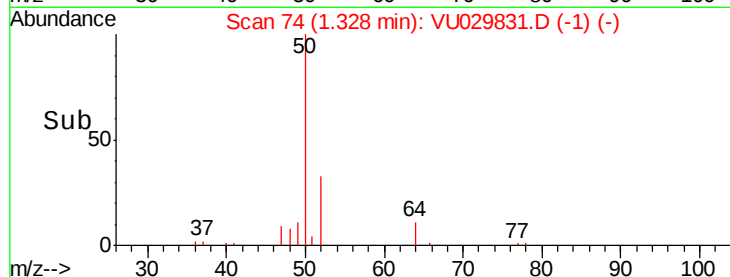
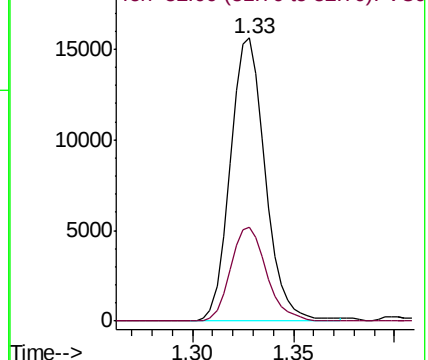
50 100

52 33.4 26.5 39.7



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#4

Vinyl Chloride

Concen: 1.018 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU029831.D

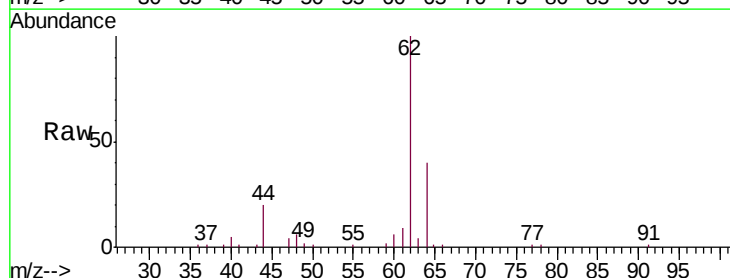
Acq: 06 Mar 2019 09:53

Tgt Ion: 62 Resp: 20014

Ion Ratio Lower Upper

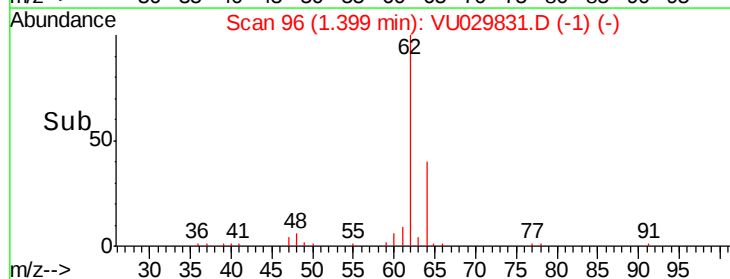
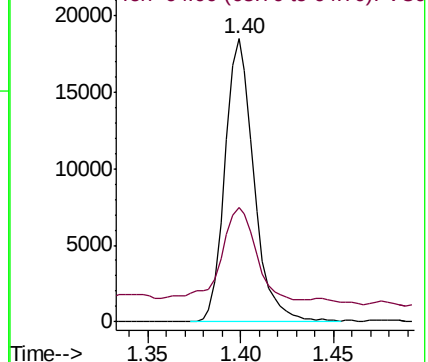
62 100

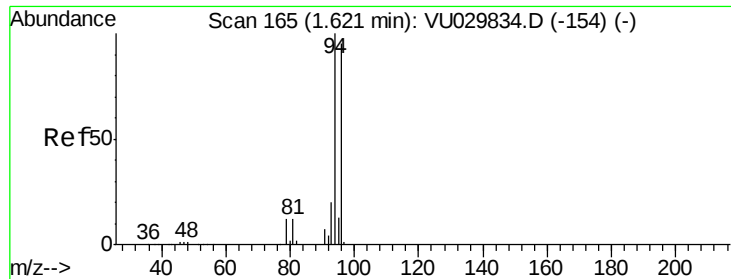
64 33.2 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0





#5

Bromomethane

Concen: 1.193 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.01 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

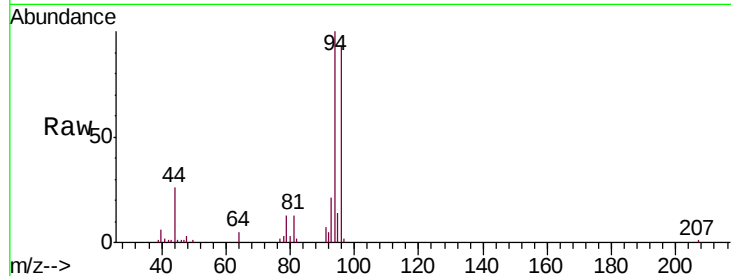
VSTDIC001

Tgt Ion: 94 Resp: 16018

Ion Ratio Lower Upper

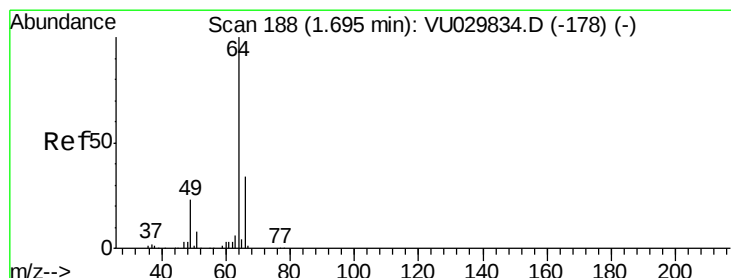
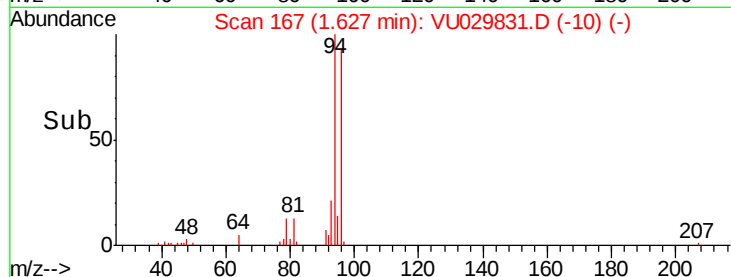
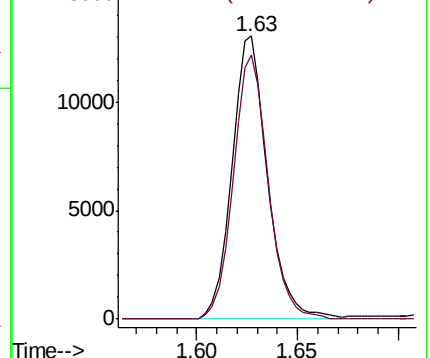
94 100

96 93.2 76.4 114.6



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 1.020 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU029831.D

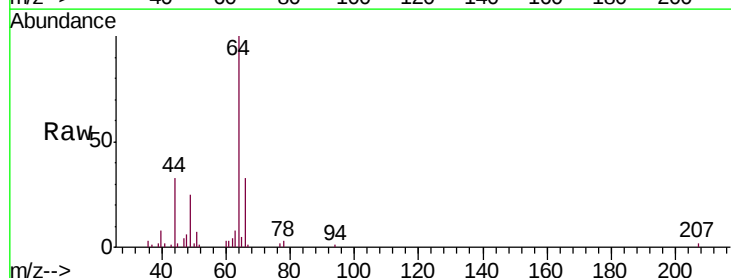
Acq: 06 Mar 2019 09:53

Tgt Ion: 64 Resp: 12018

Ion Ratio Lower Upper

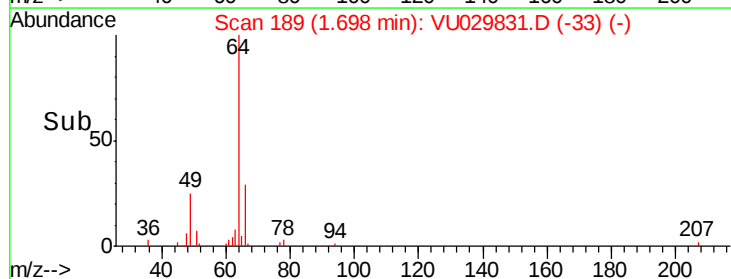
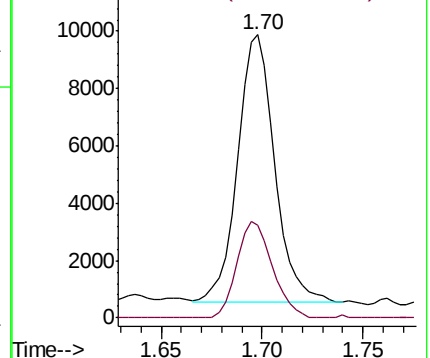
64 100

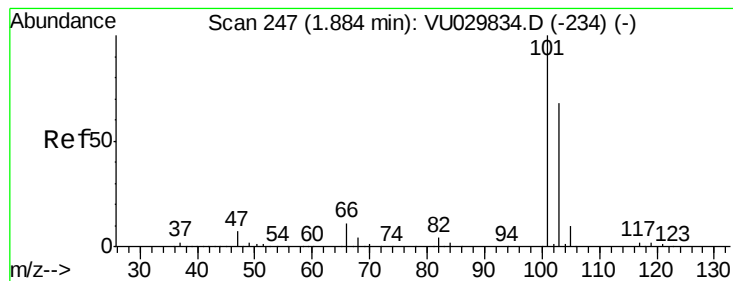
66 34.7 27.3 40.9



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#7

Trichlorofluoromethane

Concen: 1.031 ug/l

RT: 1.88 min Scan# 247

Delta R.T. -0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

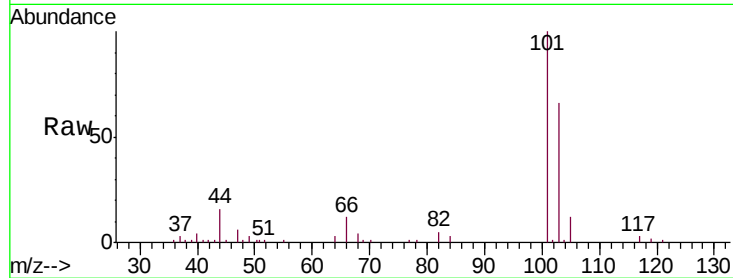
VSTDIC001

Tgt Ion:101 Resp: 27615

Ion Ratio Lower Upper

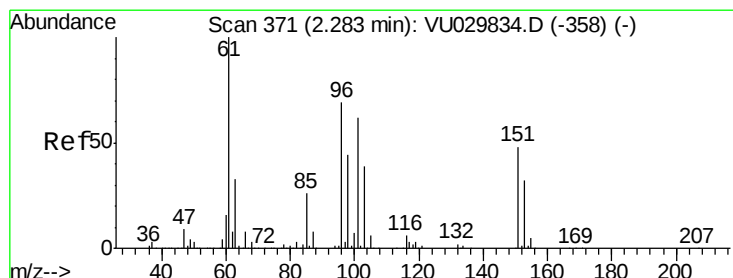
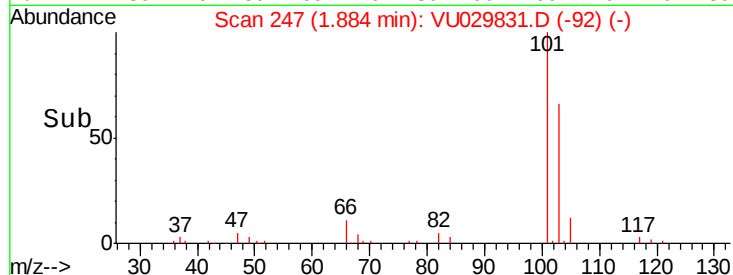
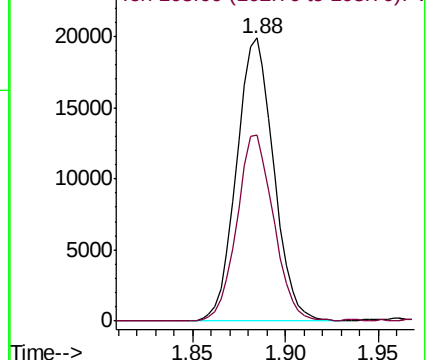
101 100

103 65.7 54.2 81.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.035 ug/l

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

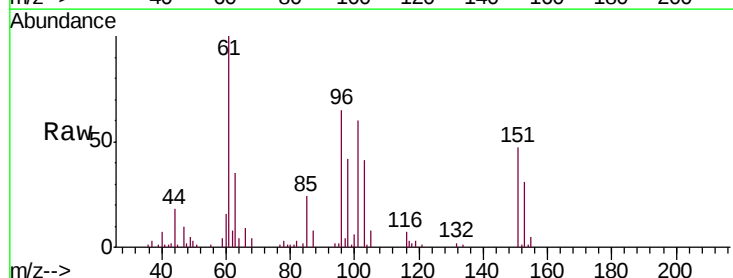
Tgt Ion:101 Resp: 16137

Ion Ratio Lower Upper

101 100

85 41.7 33.4 50.0

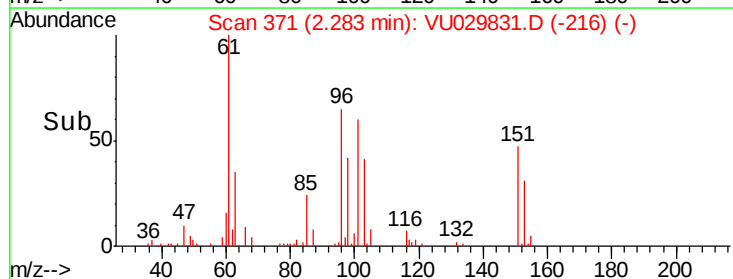
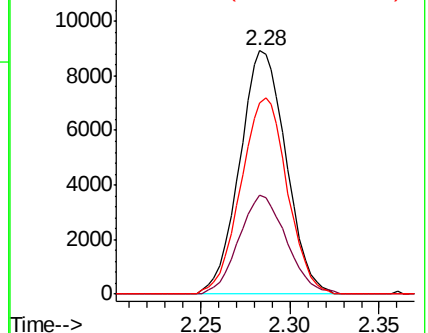
151 81.1 64.6 97.0

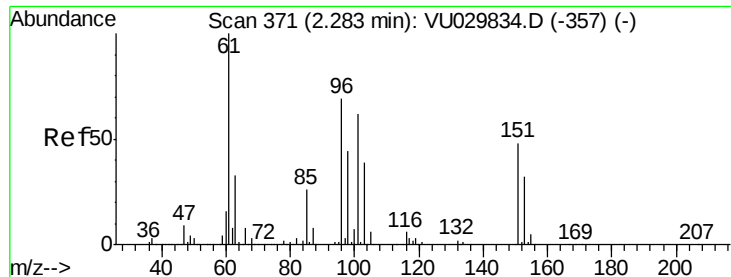


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 1.025 ug/l

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

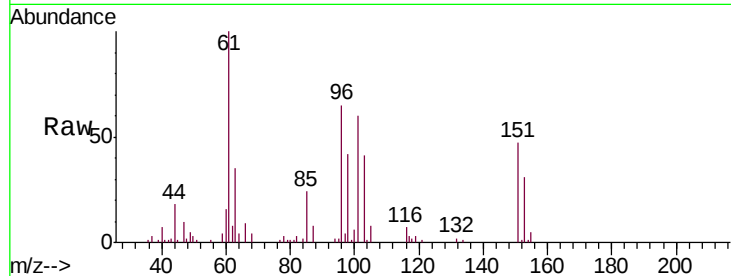
Tgt Ion: 96 Resp: 15642

Ion Ratio Lower Upper

96 100

61 155.0 0.0 435.3

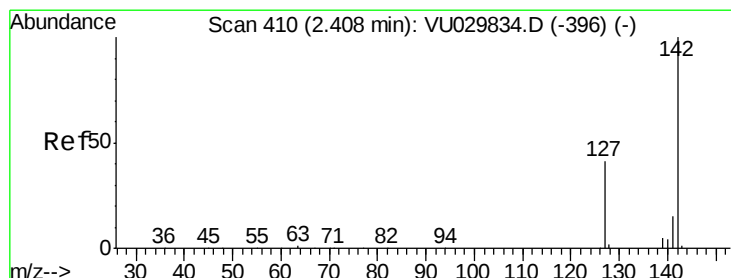
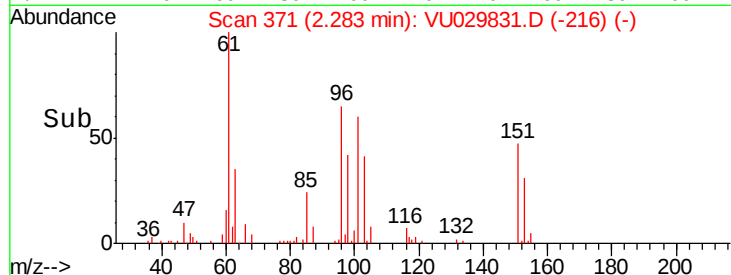
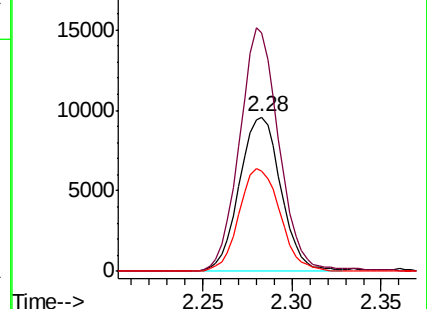
98 65.1 0.0 128.6



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#10

Iodomethane

Concen: 0.808 ug/l

RT: 2.41 min Scan# 410

Delta R.T. -0.00 min

Lab File: VU029831.D

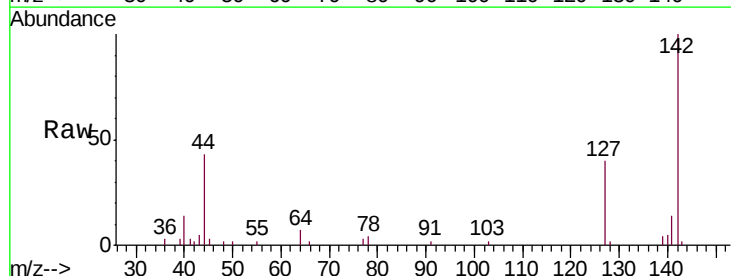
Acq: 06 Mar 2019 09:53

Tgt Ion: 142 Resp: 10680

Ion Ratio Lower Upper

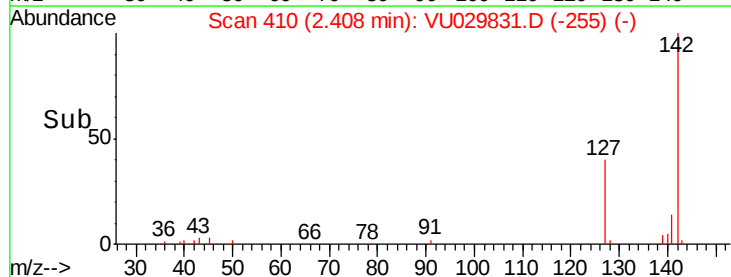
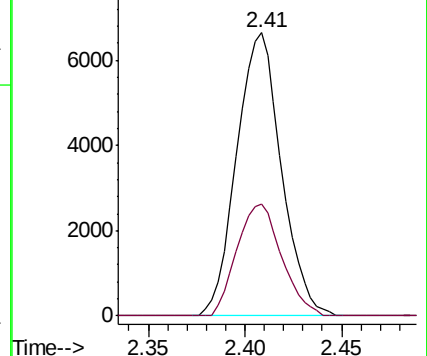
142 100

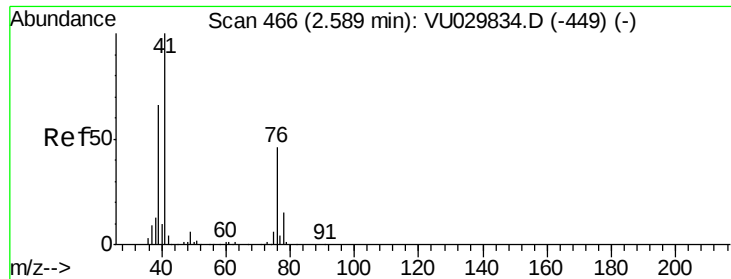
127 39.6 32.3 48.5



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

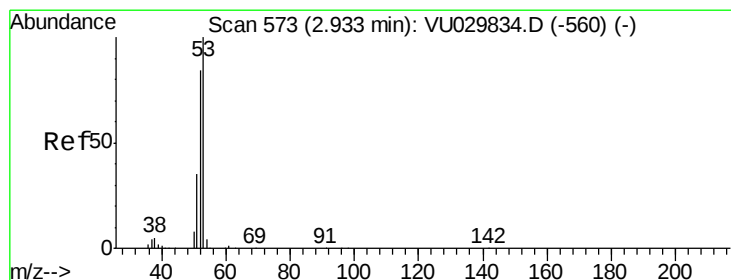
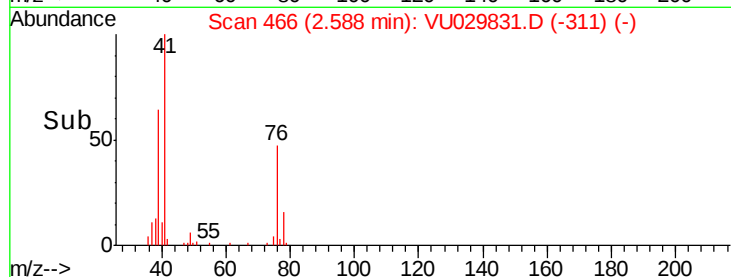
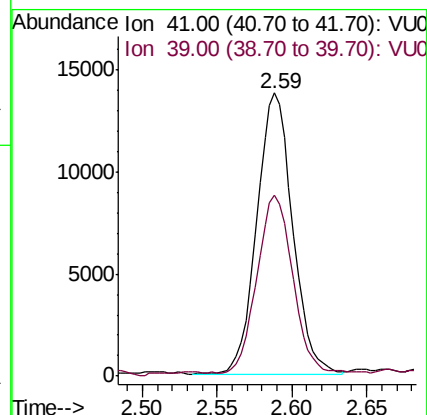
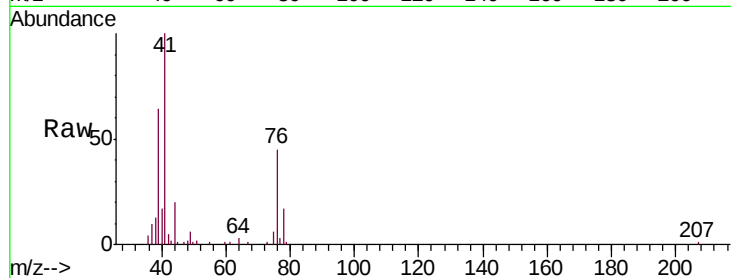




#11
 Allyl Chloride
 Concen: 1.063 ug/l
 RT: 2.59 min Scan# 466
 Delta R.T. -0.00 min
 Lab File: VU029831.D
 Acq: 06 Mar 2019 09:53

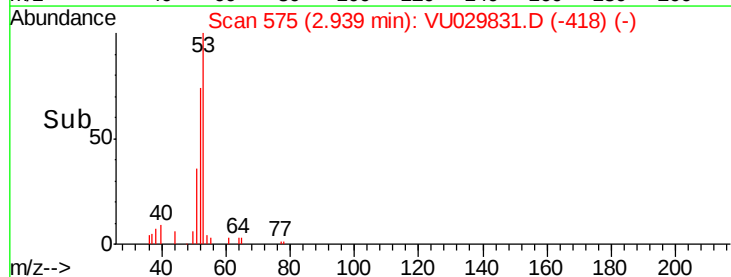
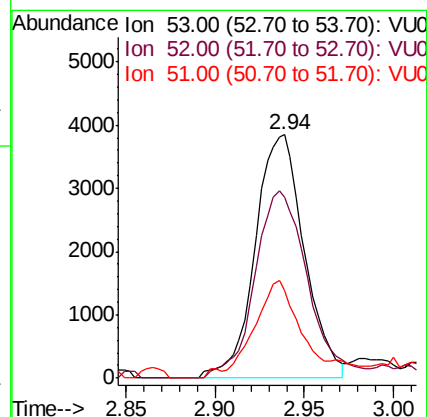
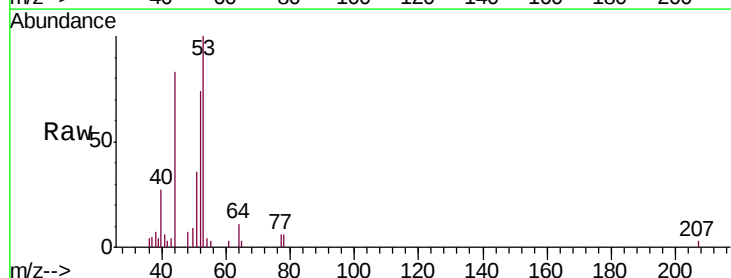
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

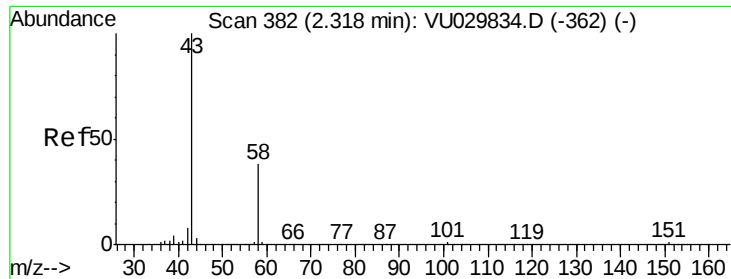
Tgt Ion: 41 Resp: 22805
 Ion Ratio Lower Upper
 41 100
 39 63.1 51.6 77.4



#12
 Acrylonitrile
 Concen: 2.227 ug/l
 RT: 2.94 min Scan# 575
 Delta R.T. 0.01 min
 Lab File: VU029831.D
 Acq: 06 Mar 2019 09:53

Tgt Ion: 53 Resp: 7407
 Ion Ratio Lower Upper
 53 100
 52 83.2 66.5 99.7
 51 32.9 28.6 42.8





#13

Acetone

Concen: 5.361 ug/l

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

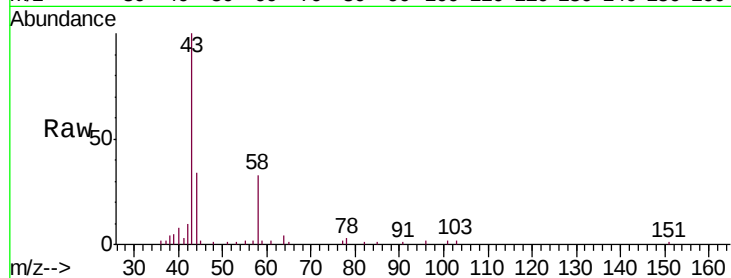
VSTDIC001

Tgt Ion: 43 Resp: 14768

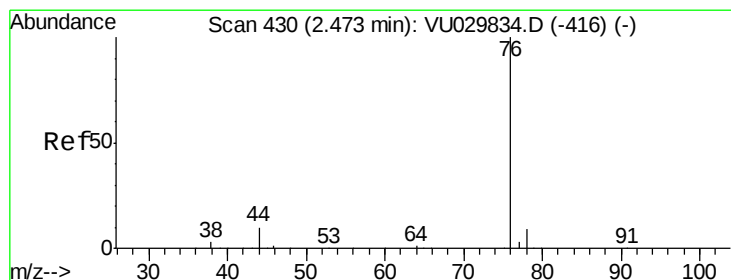
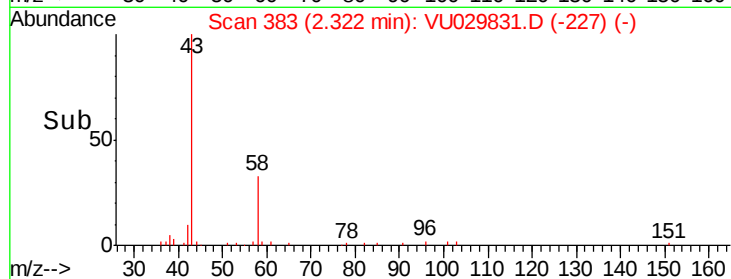
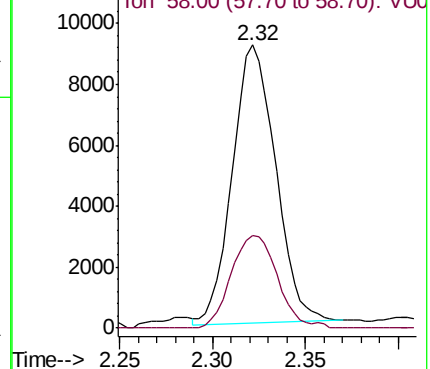
Ion Ratio Lower Upper

43 100

58 33.6 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VU029834.D (-362) (-)



#14

Carbon Disulfide

Concen: 1.063 ug/l

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU029831.D

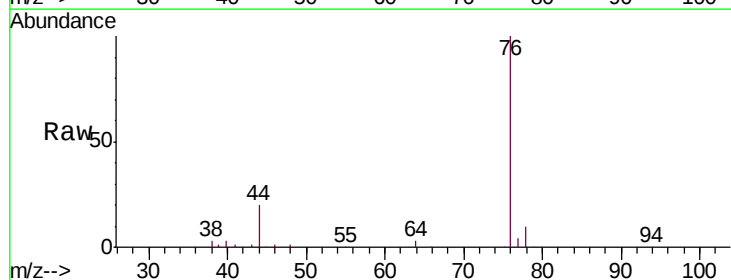
Acq: 06 Mar 2019 09:53

Tgt Ion: 76 Resp: 52520

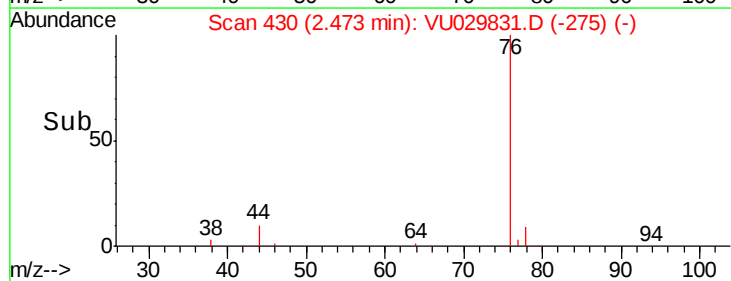
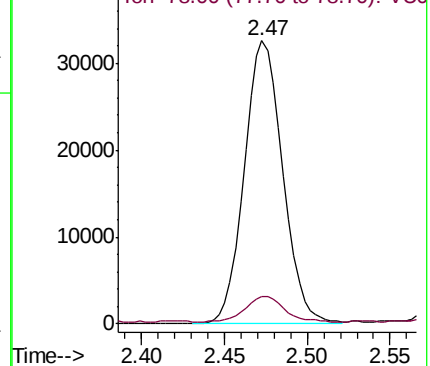
Ion Ratio Lower Upper

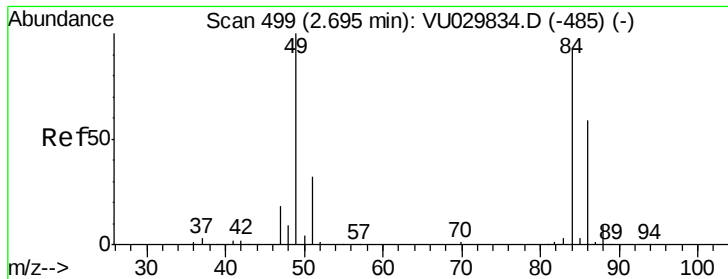
76 100

78 9.1 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VU029834.D (-416) (-)





#15

Methylene Chloride

Concen: 1.080 ug/l

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tgt Ion: 84 Resp: 19776

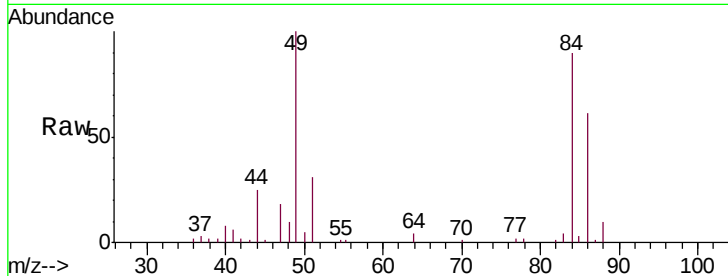
Ion Ratio Lower Upper

84 100

49 110.9 87.2 130.8

51 34.9 0.0 69.0

86 67.2 51.3 76.9

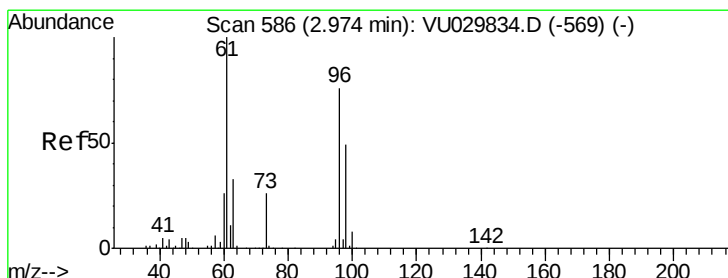
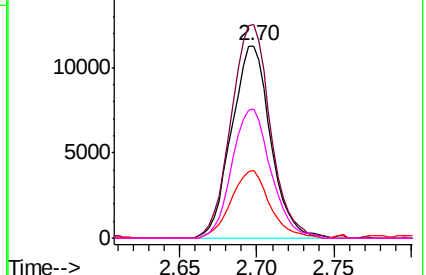
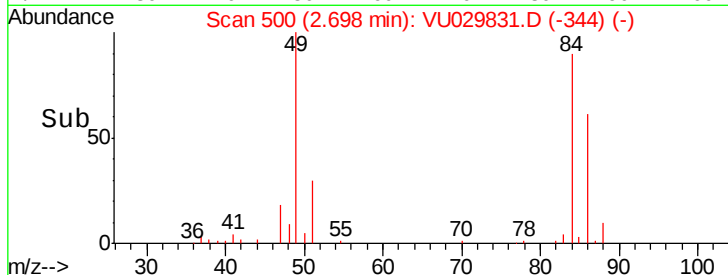


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

Ion 51.00 (50.70 to 51.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#16

trans-1,2-Dichloroethene

Concen: 1.094 ug/l

RT: 2.97 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

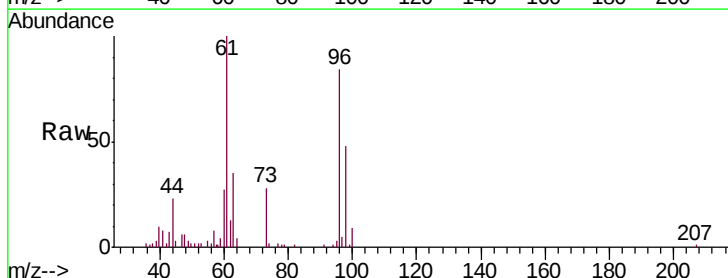
Tgt Ion: 96 Resp: 18858

Ion Ratio Lower Upper

96 100

61 119.6 104.7 157.1

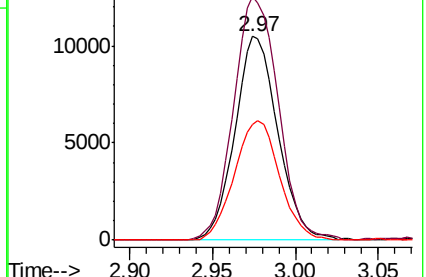
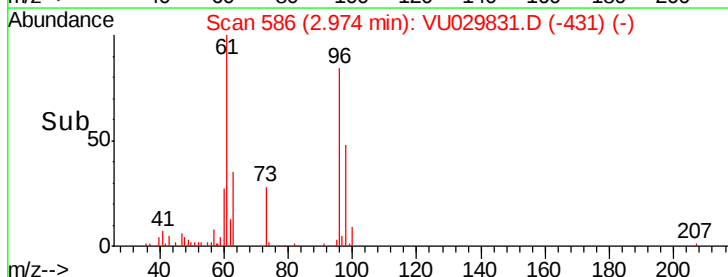
98 56.8 50.9 76.3

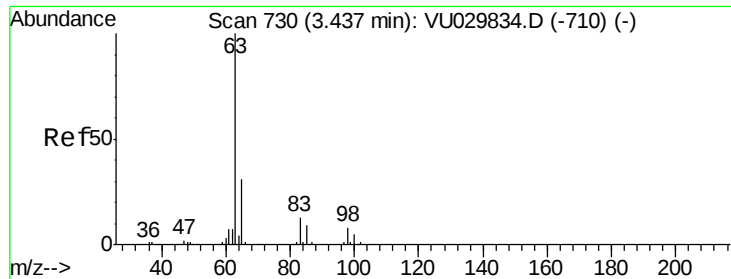


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

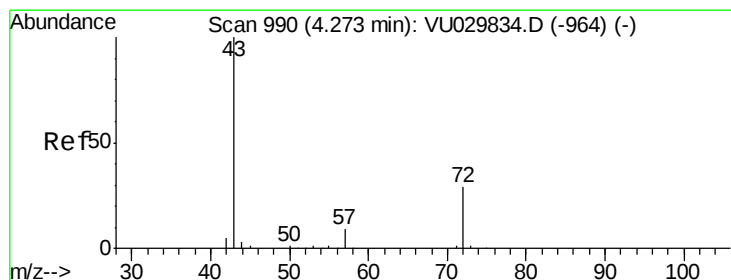
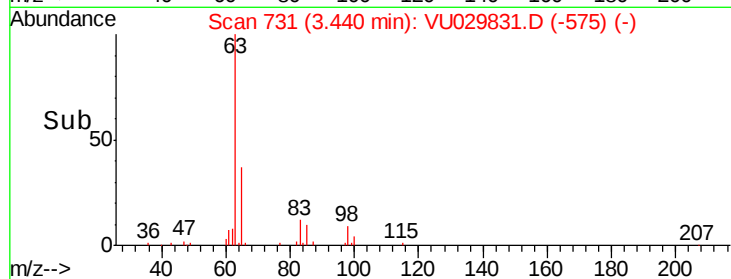
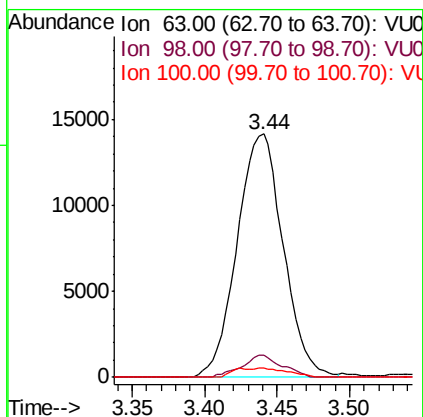
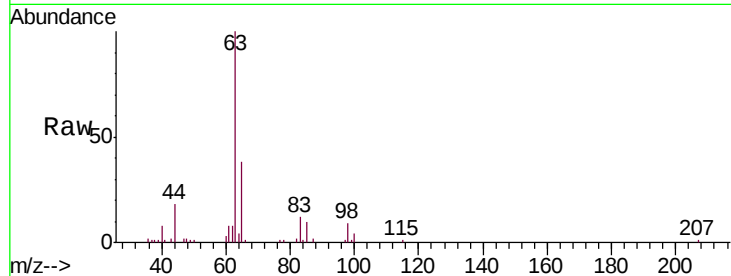




#17
 1,1-Dichloroethane
 Concen: 1.087 ug/l
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU029831.D
 Acq: 06 Mar 2019 09:53

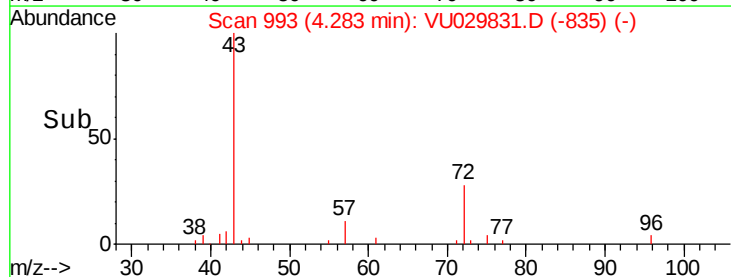
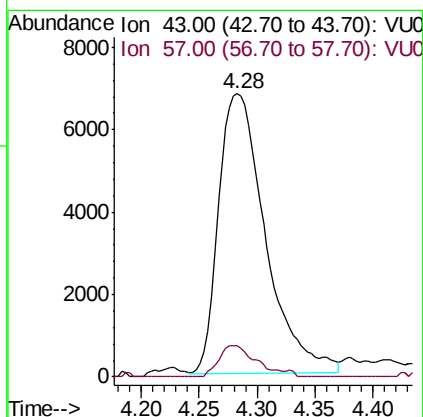
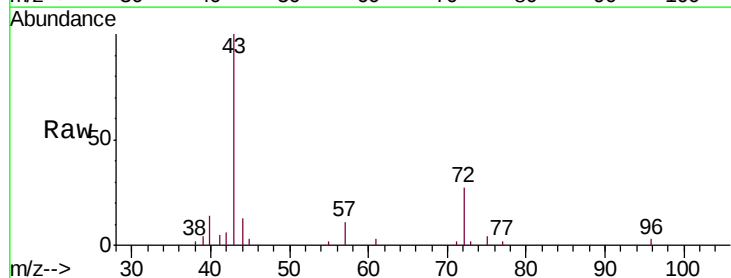
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

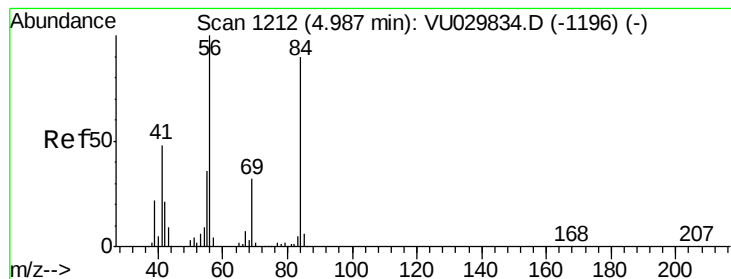
Tgt Ion:	63	Resp:	31329
Ion	Ratio	Lower	Upper
63	100		
98	8.9	3.8	11.4
100	3.6	2.4	7.1



#18
 2-Butanone
 Concen: 5.091 ug/l
 RT: 4.28 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VU029831.D
 Acq: 06 Mar 2019 09:53

Tgt Ion:	43	Resp:	19060
Ion	Ratio	Lower	Upper
43	100		
57	11.2	0.0	18.6





#19

Cyclohexane

Concen: 0.917 ug/l

RT: 4.98 min Scan# 1211

Delta R.T. -0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

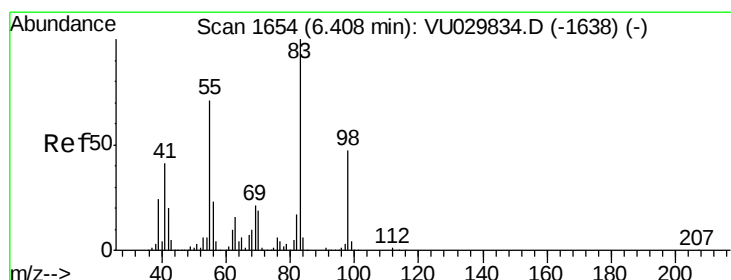
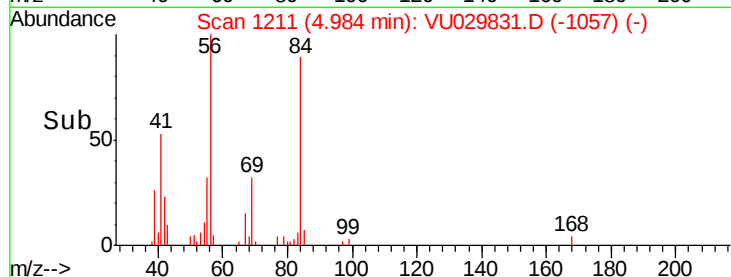
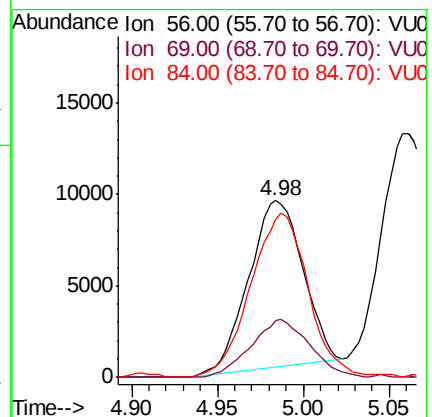
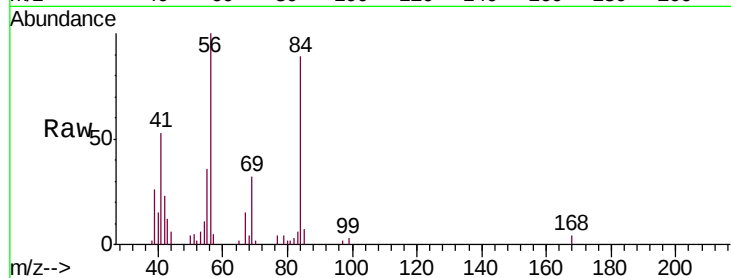
Tgt Ion: 56 Resp: 20059

Ion Ratio Lower Upper

56 100

69 37.4 29.4 44.2

84 101.7 84.6 127.0



#20

Methylcyclohexane

Concen: 0.975 ug/l

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

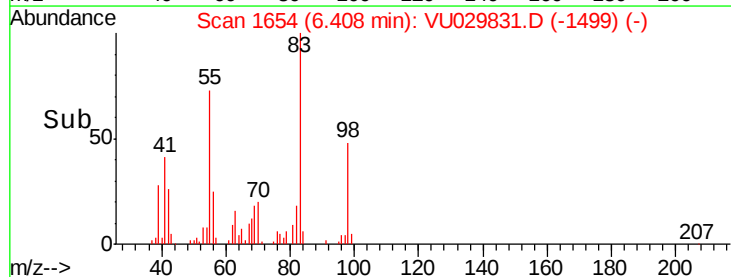
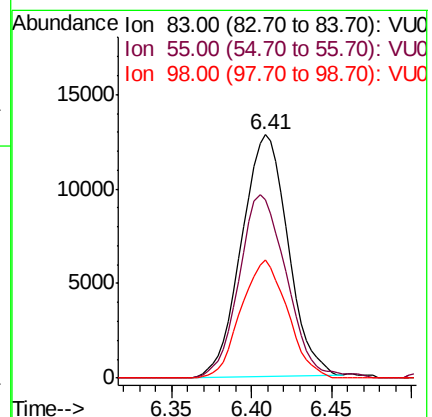
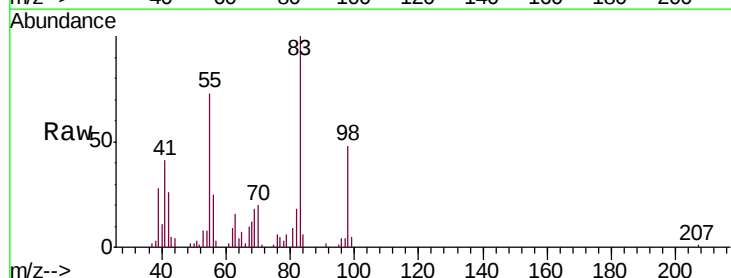
Tgt Ion: 83 Resp: 25414

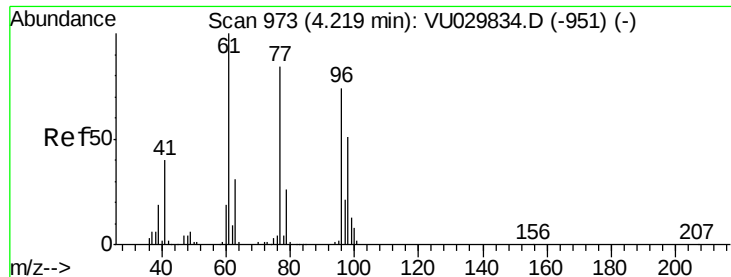
Ion Ratio Lower Upper

83 100

55 77.9 55.9 83.9

98 48.9 37.0 55.4





#21

2,2-Dichloropropane

Concen: 1.049 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

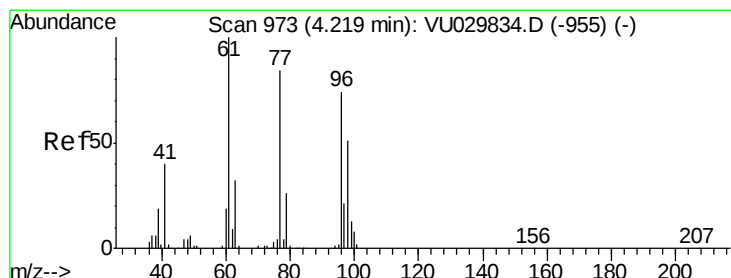
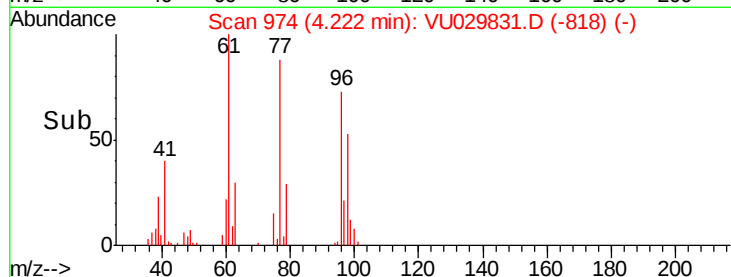
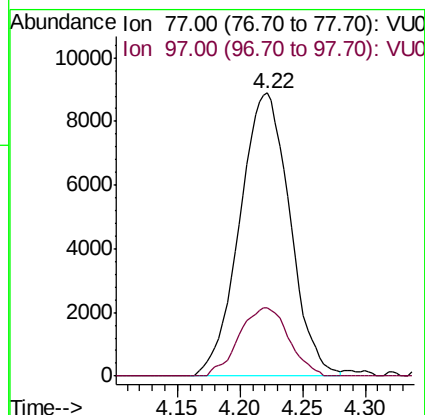
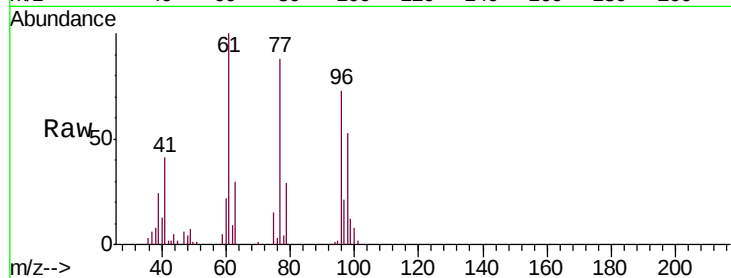
VSTDIC001

Tgt Ion: 77 Resp: 24726

Ion Ratio Lower Upper

77 100

97 23.9 20.2 30.2



#22

cis-1,2-Dichloroethene

Concen: 1.023 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

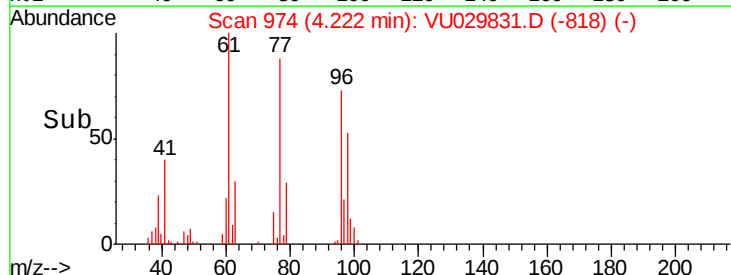
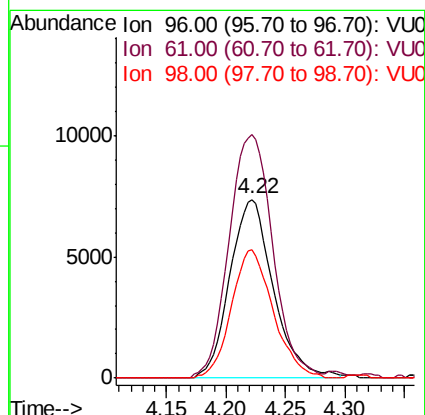
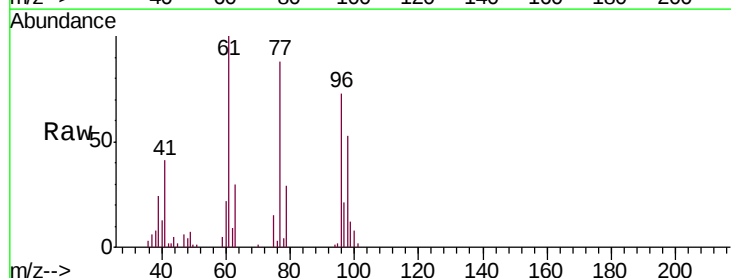
Tgt Ion: 96 Resp: 18691

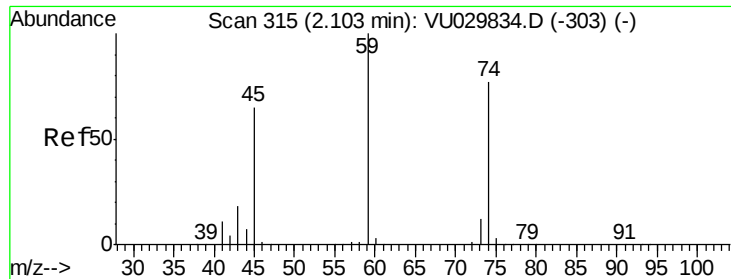
Ion Ratio Lower Upper

96 100

61 137.3 0.0 339.0

98 68.8 33.1 99.5

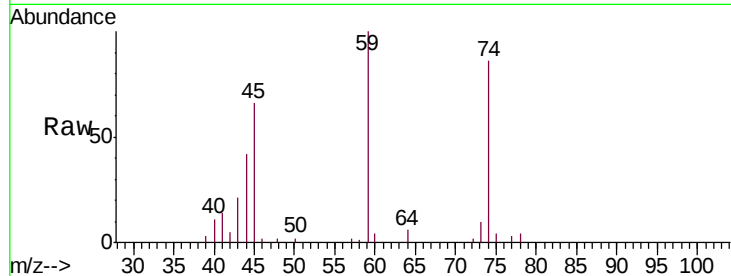




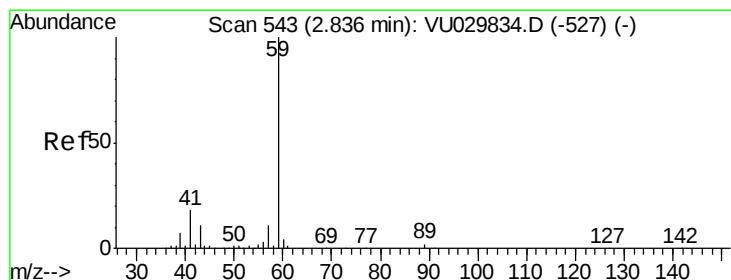
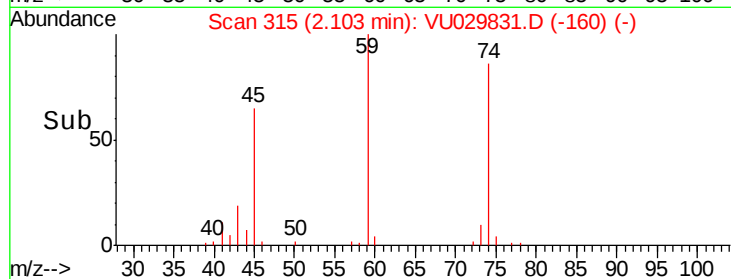
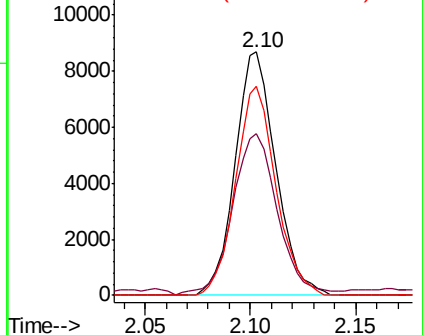
#23
Diethyl Ether
Concen: 1.017 ug/l
RT: 2.10 min Scan# 315
Delta R.T. -0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 59 Resp: 11637
Ion Ratio Lower Upper
59 100
45 73.9 52.7 79.1
74 84.9 61.8 92.6

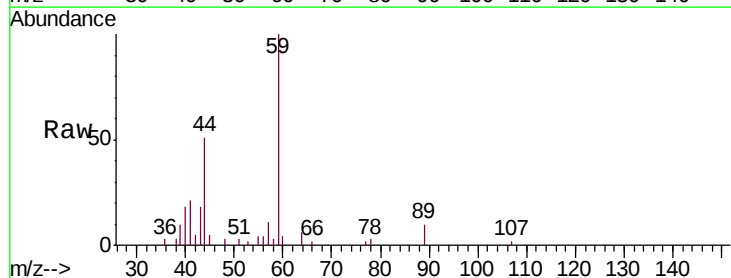


Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

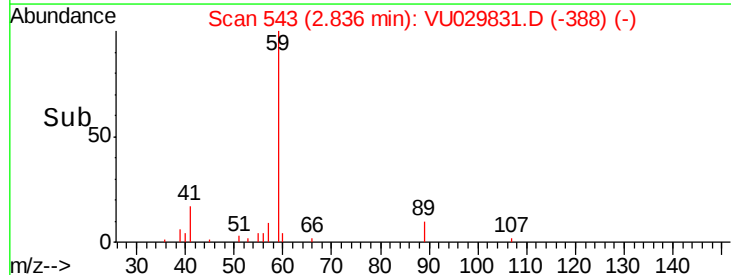
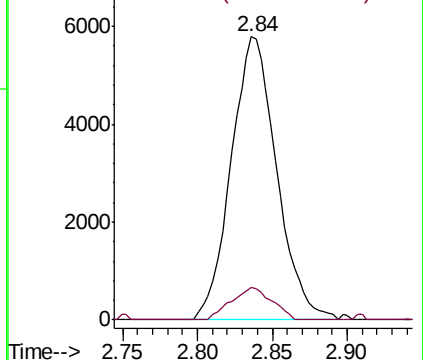


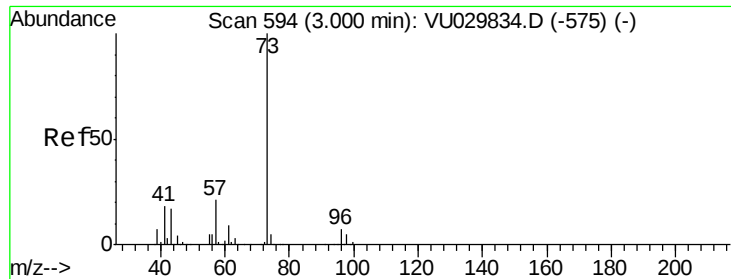
#24
tert-Butyl Alcohol
Concen: 10.386 ug/l
RT: 2.84 min Scan# 543
Delta R.T. -0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Tgt Ion: 59 Resp: 12253
Ion Ratio Lower Upper
59 100
57 10.3 8.5 12.7



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





#25

Methyl tert-Butyl Ether

Concen: 1.044 ug/l

RT: 3.00 min Scan# 594

Delta R.T. -0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

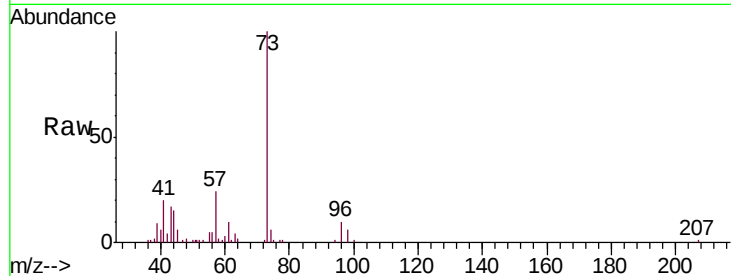
VSTDIC001

Tgt Ion: 73 Resp: 40112

Ion Ratio Lower Upper

73 100

43 17.5 13.1 19.7

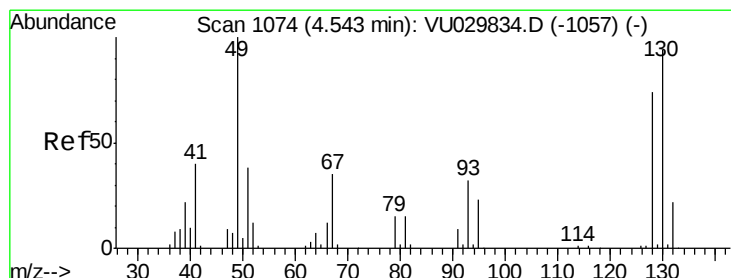
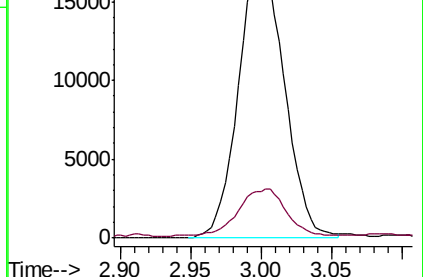
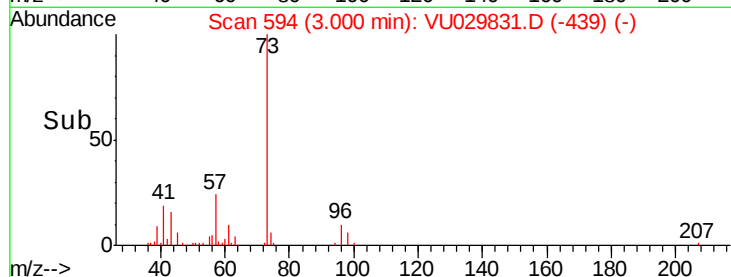


Abundance Ion 73.00 (72.70 to 73.70): VU029834.D (-575) (-)

Ion 43.00 (42.70 to 43.70): VU029834.D (-575) (-)

Time-->

2.90 2.95 3.00 3.05



#26

Bromochloromethane

Concen: 1.066 ug/l

RT: 4.55 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

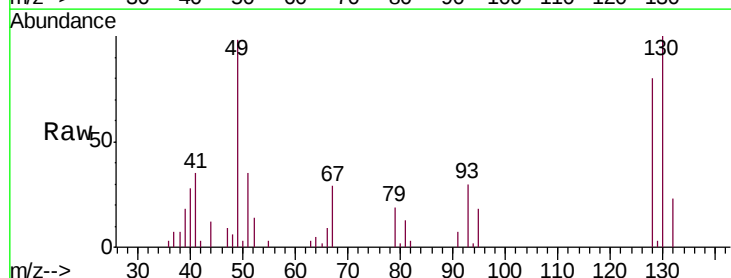
Tgt Ion: 128 Resp: 8641

Ion Ratio Lower Upper

128 100

49 134.0 0.0 270.6

130 132.8 104.2 156.4



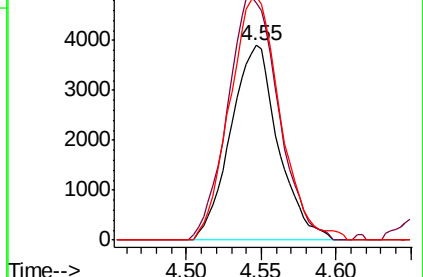
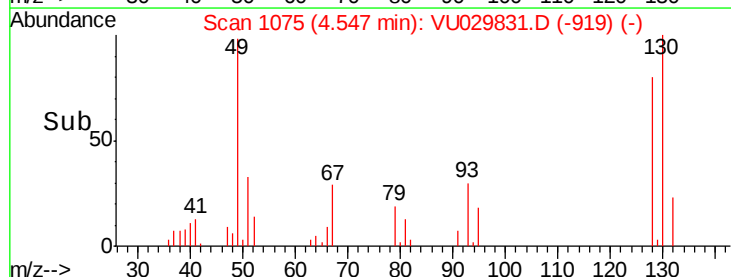
Abundance Ion 128.00 (127.70 to 128.70): VU029834.D (-1057) (-)

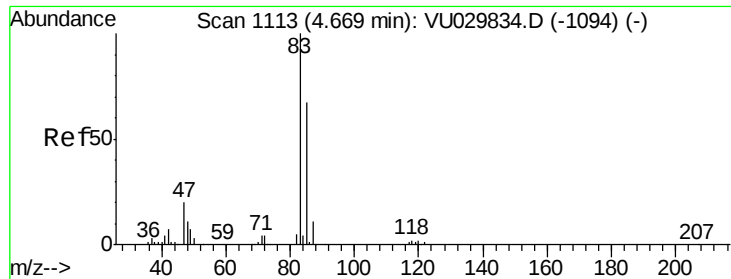
Ion 49.00 (48.70 to 49.70): VU029834.D (-1057) (-)

Ion 130.00 (129.70 to 130.70): VU029834.D (-1057) (-)

Time-->

4.50 4.55 4.60

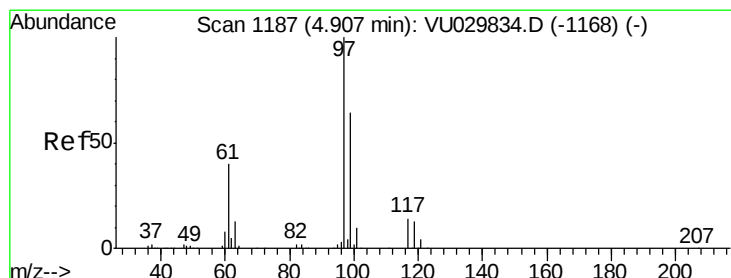
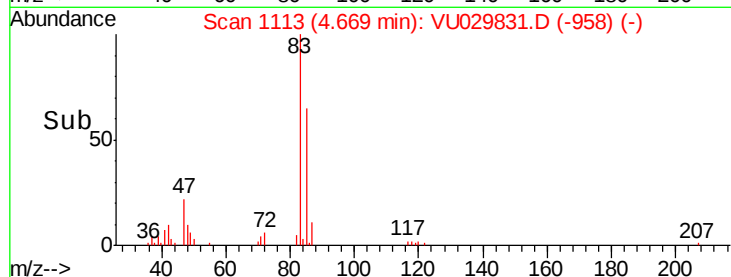
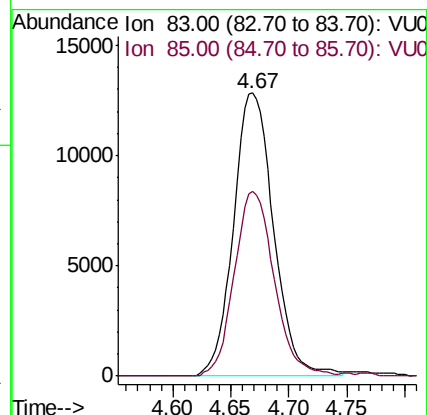
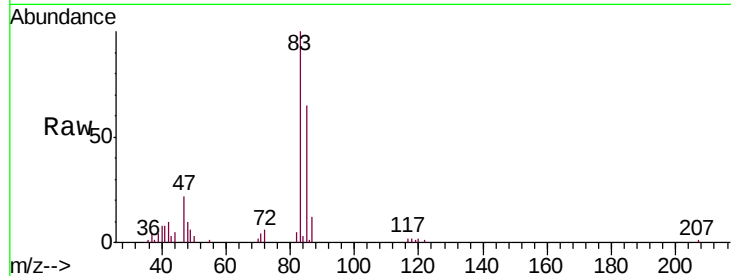




#27
Chloroform
Concen: 1.055 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

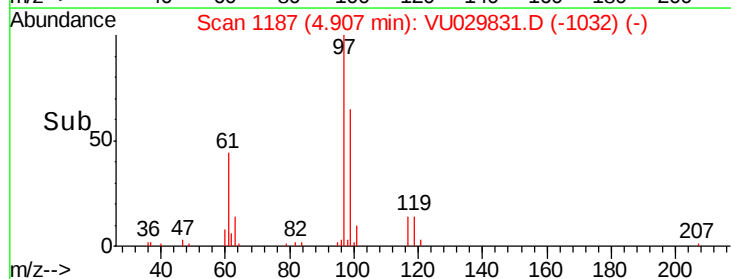
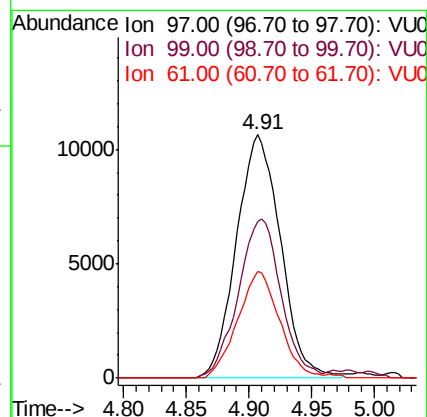
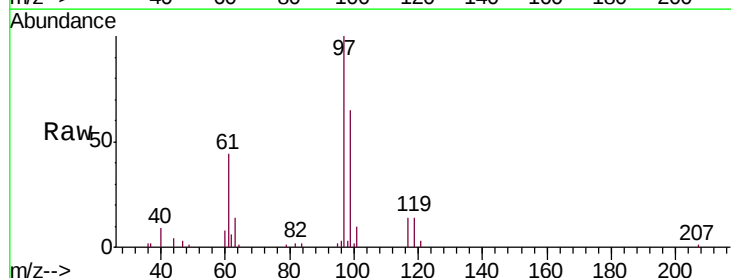
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

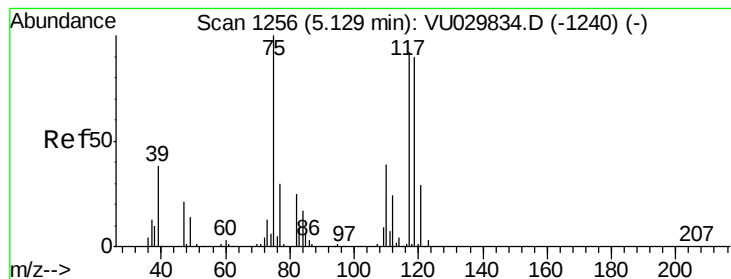
Tgt Ion: 83 Resp: 30804
Ion Ratio Lower Upper
83 100
85 65.3 0.0 133.2



#28
1,1,1-Trichloroethane
Concen: 1.051 ug/l
RT: 4.91 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Tgt Ion: 97 Resp: 26018
Ion Ratio Lower Upper
97 100
99 63.6 31.9 95.9
61 41.7 20.4 61.3





#29

1,1-Dichloropropene

Concen: 1.045 ug/l

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

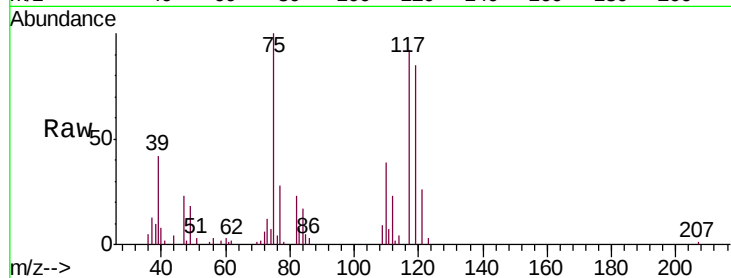
Tgt Ion: 75 Resp: 22990

Ion Ratio Lower Upper

75 100

110 38.2 19.1 57.5

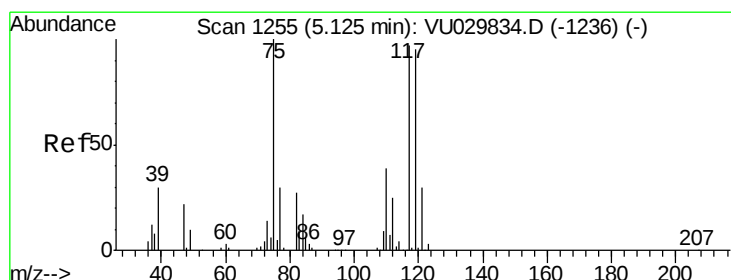
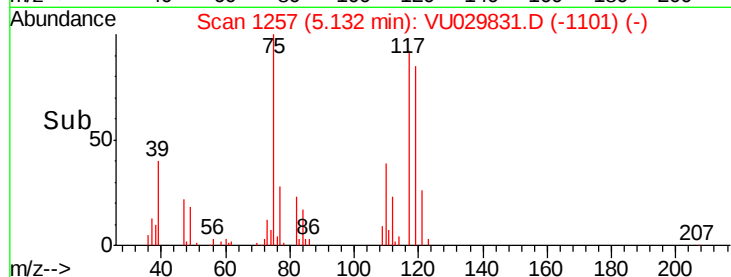
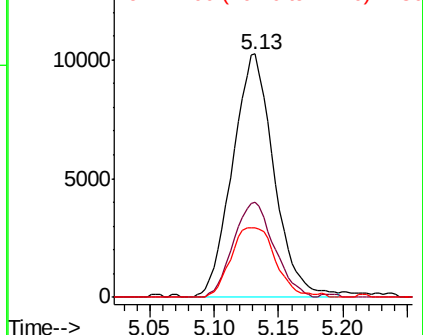
77 30.9 23.9 35.9



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VU0



#30

Carbon Tetrachloride

Concen: 1.023 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

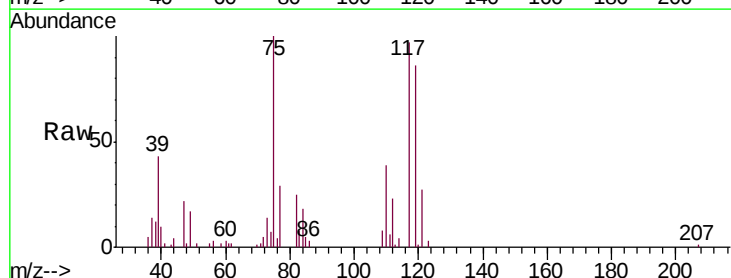
Tgt Ion: 117 Resp: 22095

Ion Ratio Lower Upper

117 100

119 88.2 78.4 117.6

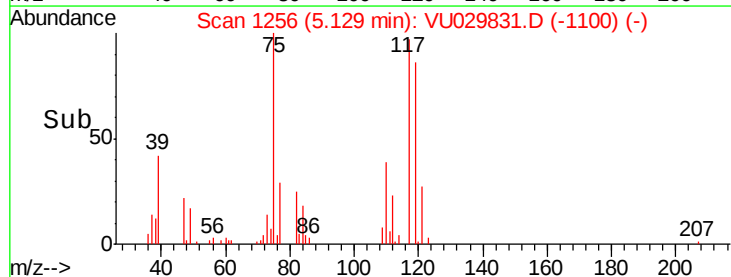
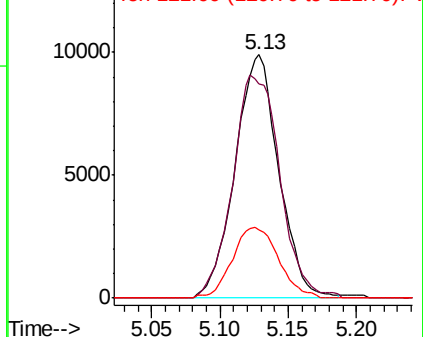
121 28.1 25.0 37.4

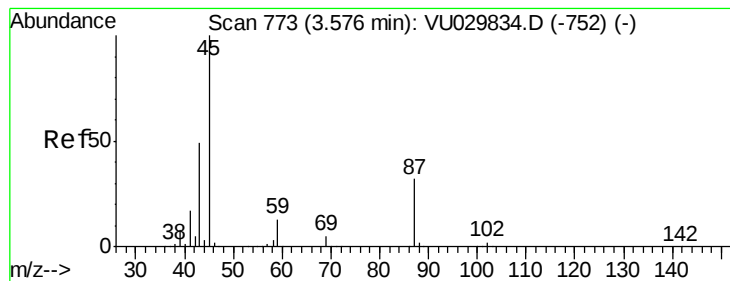


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





#31

Isopropyl Ether

Concen: 1.052 ug/l

RT: 3.57 min Scan# 772

Delta R.T. -0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

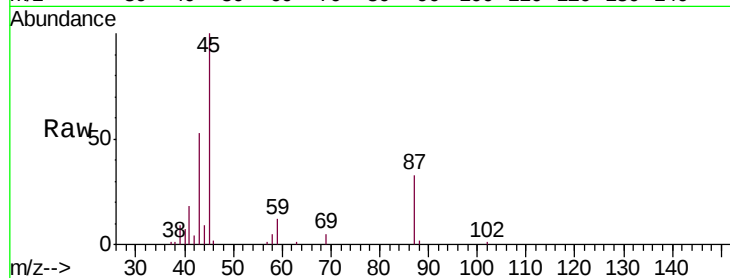
VSTDIC001

Tgt Ion: 45 Resp: 41840

Ion Ratio Lower Upper

45 100

43 51.7 24.3 72.9



Abundance Ion 45.00 (44.70 to 45.70): VU029834.D (-752) (-)

Ion 43.00 (42.70 to 43.70): VU029831.D (-772) (-)

3.57

15000

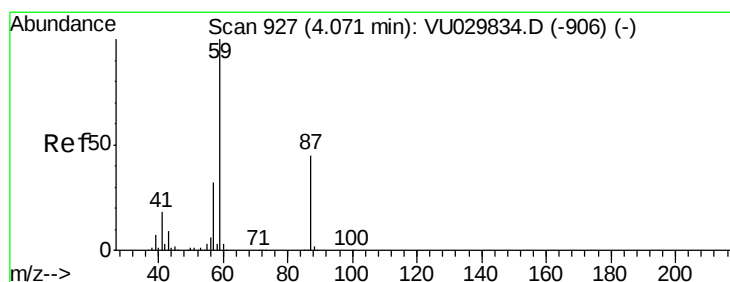
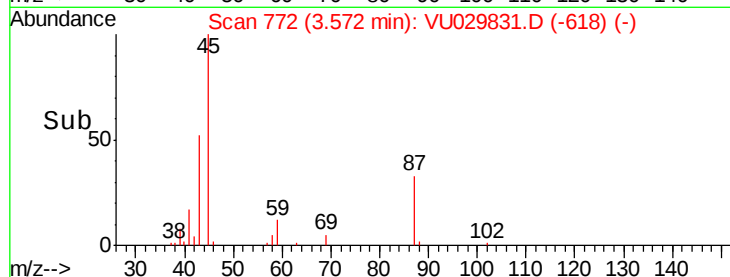
10000

5000

0

Time-->

3.50 3.55 3.60 3.65



#32

Ethyl-t-butyl ether

Concen: 1.029 ug/l

RT: 4.07 min Scan# 927

Delta R.T. -0.00 min

Lab File: VU029831.D

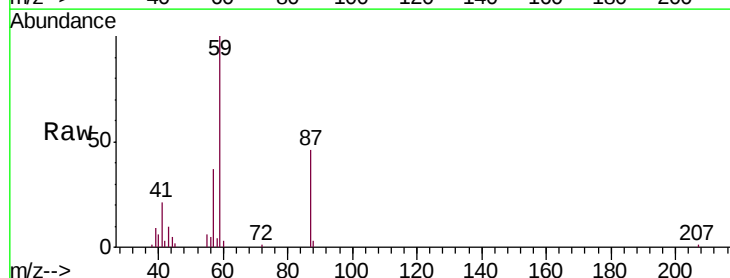
Acq: 06 Mar 2019 09:53

Tgt Ion: 59 Resp: 39792

Ion Ratio Lower Upper

59 100

87 44.7 36.2 54.4



Abundance Ion 59.00 (58.70 to 59.70): VU029834.D (-906) (-)

Ion 87.00 (86.70 to 87.70): VU029831.D (-772) (-)

4.07

15000

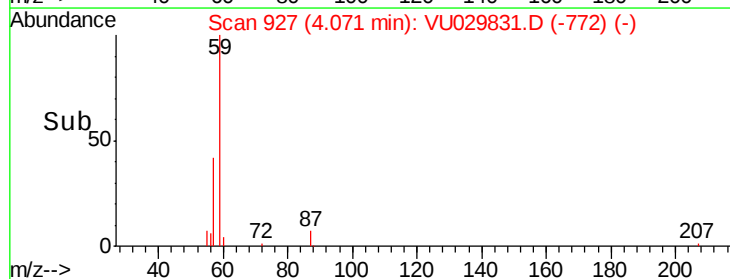
10000

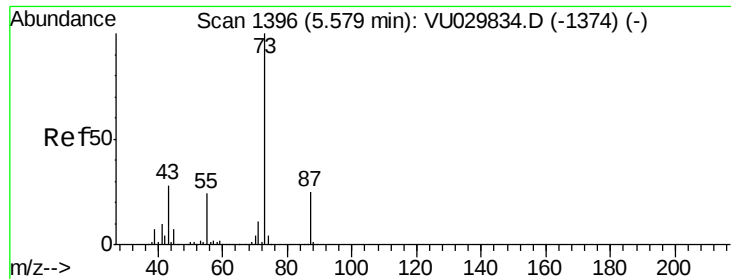
5000

0

Time-->

4.00 4.05 4.10 4.15

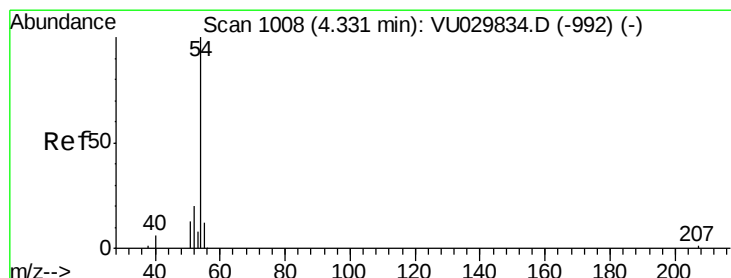
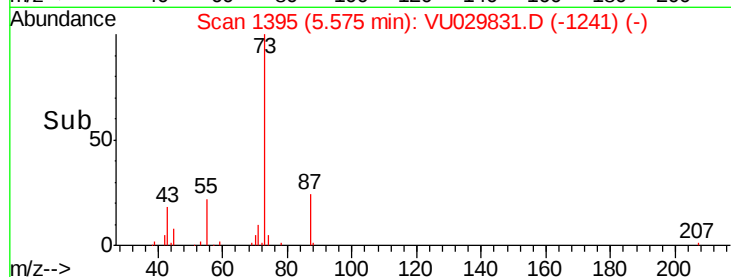
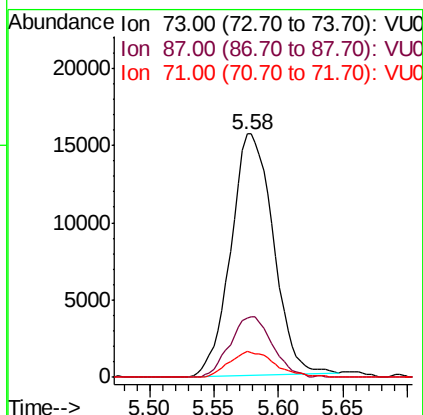
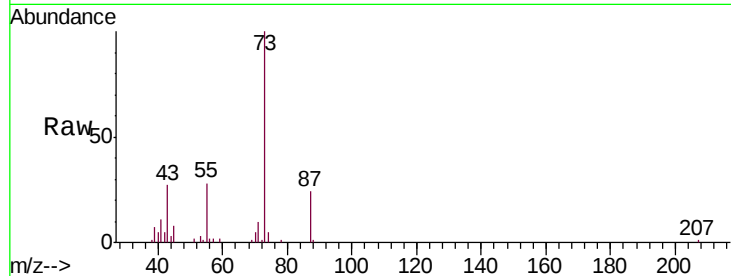




#33
Tert-Amyl methyl ether
Concen: 0.997 ug/l
RT: 5.58 min Scan# 1395
Delta R.T. -0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

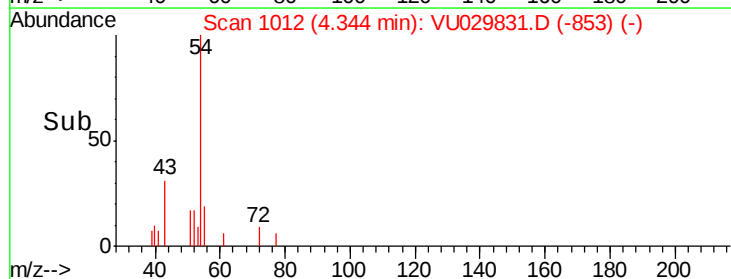
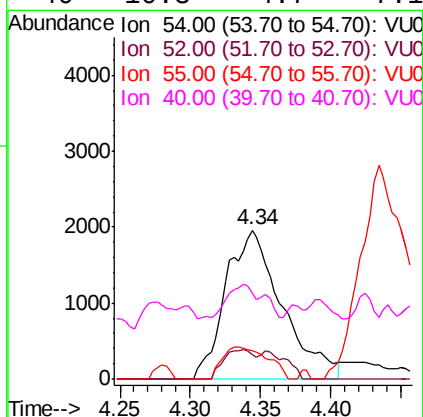
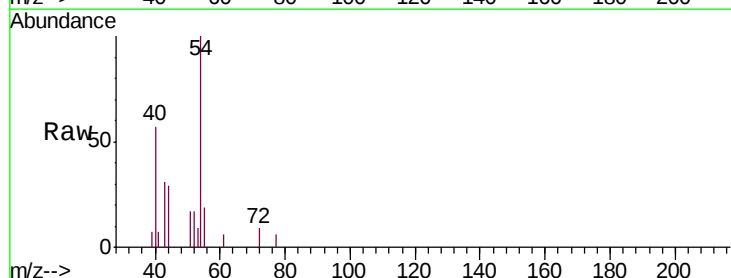
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

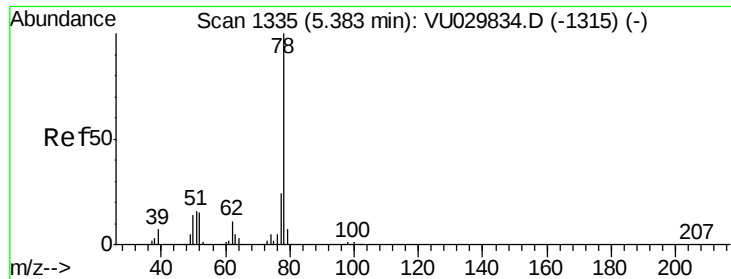
Tgt Ion: 73 Resp: 35656
Ion Ratio Lower Upper
73 100
87 25.0 19.7 29.5
71 10.6 9.4 14.2



#34
Propionitrile
Concen: 4.913 ug/l
RT: 4.34 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Tgt Ion: 54 Resp: 5472
Ion Ratio Lower Upper
54 100
52 10.9 16.1 24.1#
55 17.2 11.2 16.8#
40 10.3 4.7 7.1#





#35

Benzene

Concen: 1.024 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

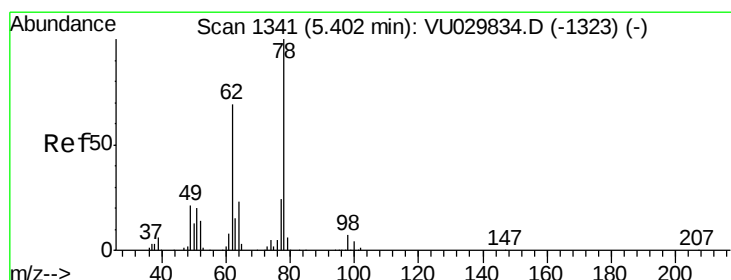
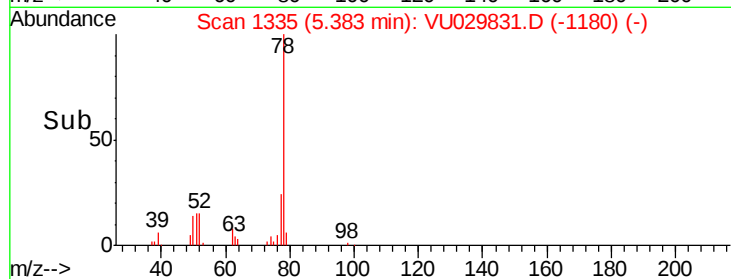
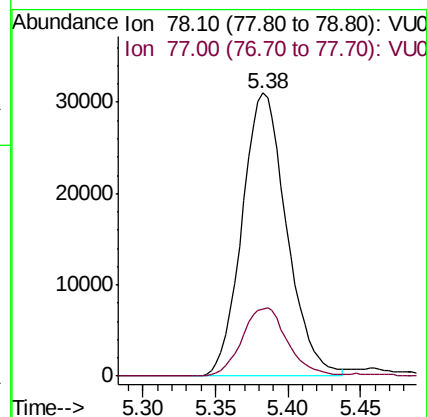
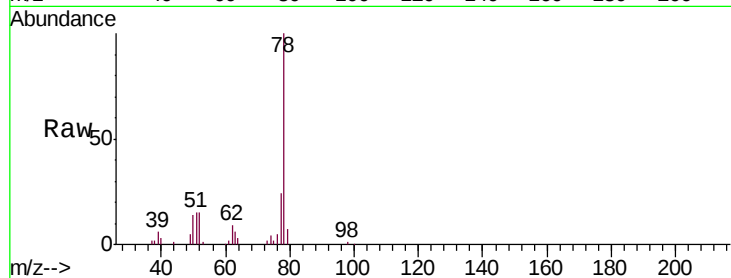
VSTDIC001

Tgt Ion: 78 Resp: 66372

Ion Ratio Lower Upper

78 100

77 23.7 19.2 28.8



#36

1,2-Dichloroethane

Concen: 1.062 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VU029831.D

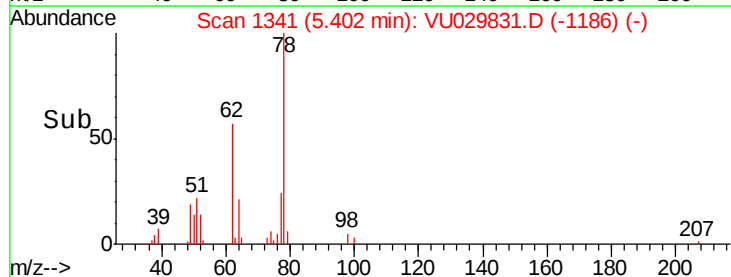
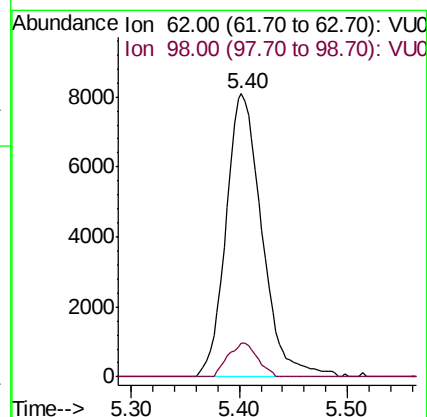
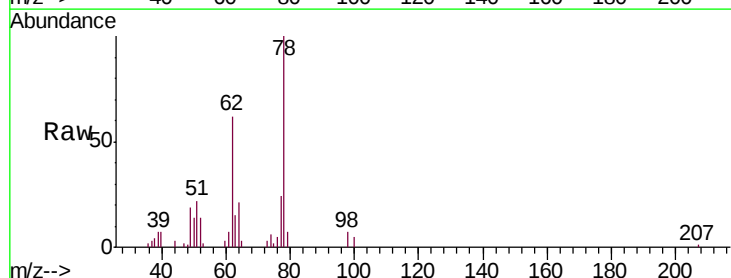
Acq: 06 Mar 2019 09:53

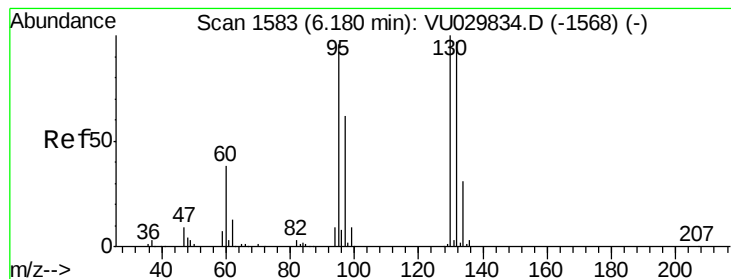
Tgt Ion: 62 Resp: 18794

Ion Ratio Lower Upper

62 100

98 9.7 8.2 12.2





#37

Trichloroethene

Concen: 1.036 ug/l

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

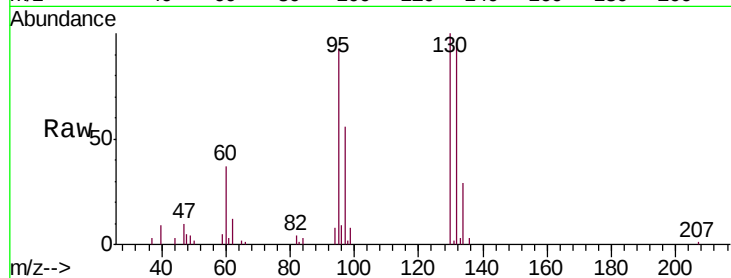
VSTDIC001

Tgt Ion:130 Resp: 19606

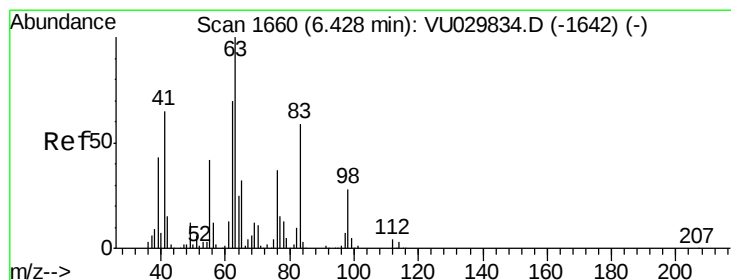
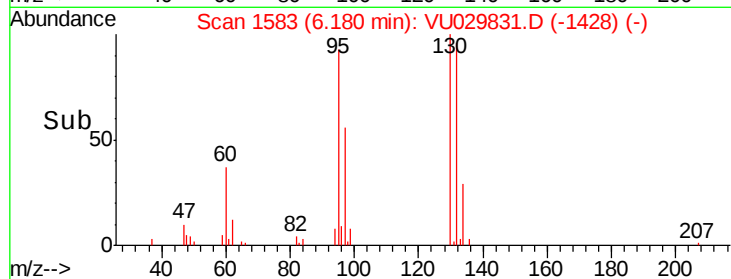
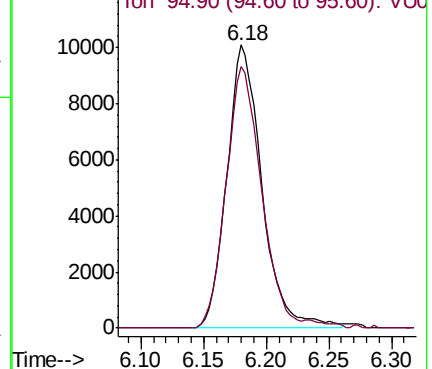
Ion Ratio Lower Upper

130 100

95 92.5 76.6 114.8



Abundance Ion 129.90 (129.60 to 130.60): VU029834.D (-1568) (-)



#38

1,2-Dichloropropane

Concen: 1.032 ug/l

RT: 6.43 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VU029831.D

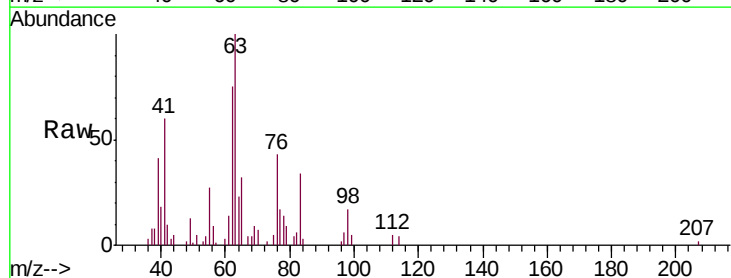
Acq: 06 Mar 2019 09:53

Tgt Ion: 63 Resp: 16927

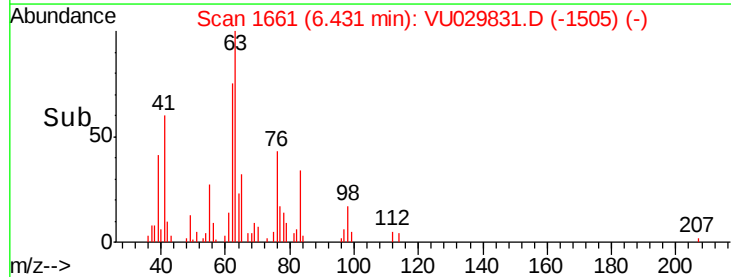
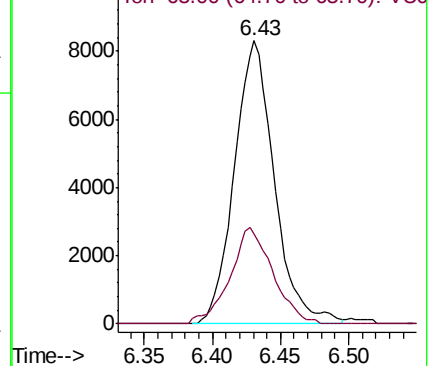
Ion Ratio Lower Upper

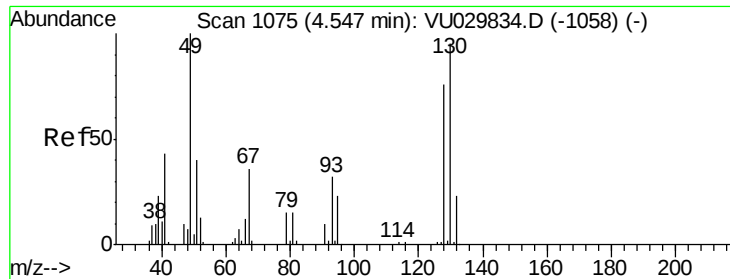
63 100

65 31.8 25.4 38.2



Abundance Ion 63.00 (62.70 to 63.70): VU029834.D (-1642) (-)

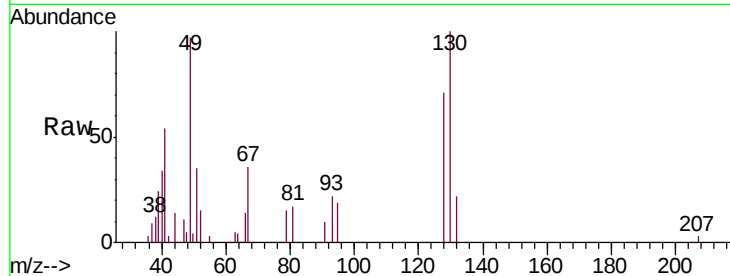




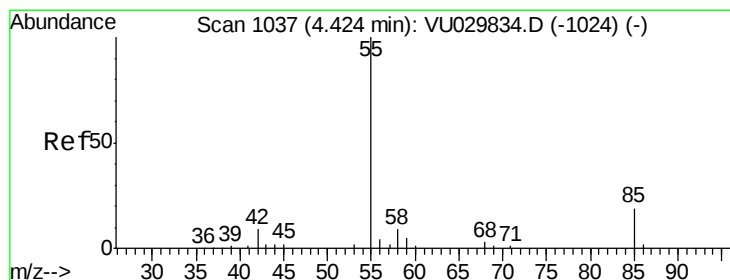
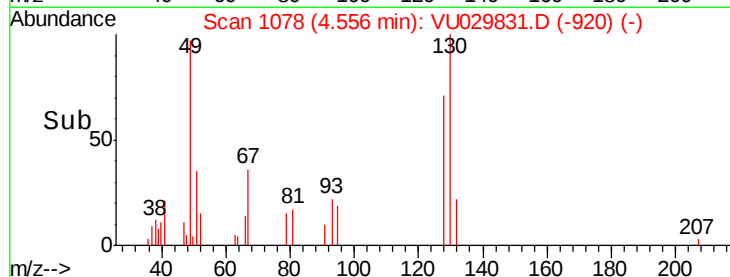
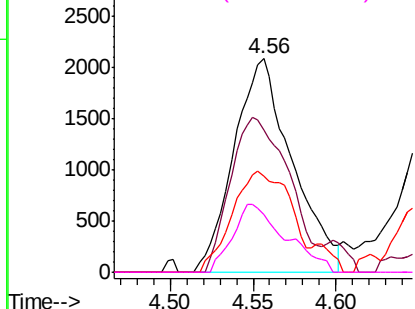
#39
Methacrylonitrile
Concen: 1.090 ug/l
RT: 4.56 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion:	41	Resp:	5106
Ion	Ratio	Lower	Upper
41	100		
67	73.0	68.4	102.6
39	47.5	42.6	63.8
52	28.9	26.2	39.4

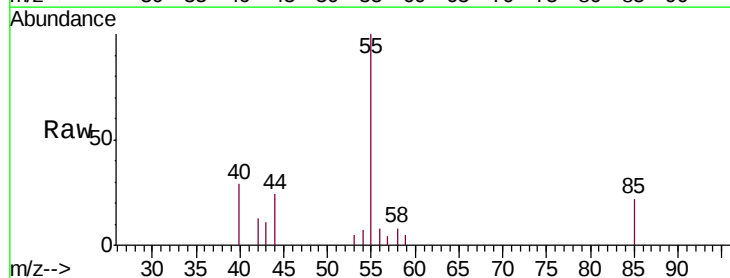


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

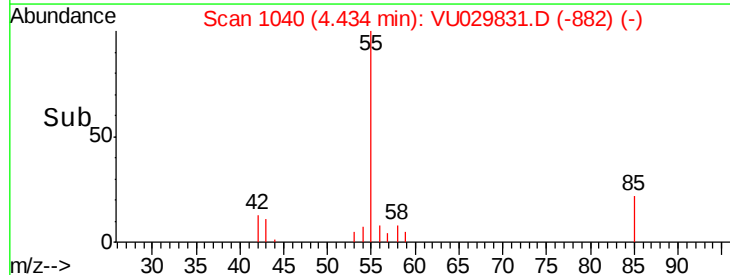
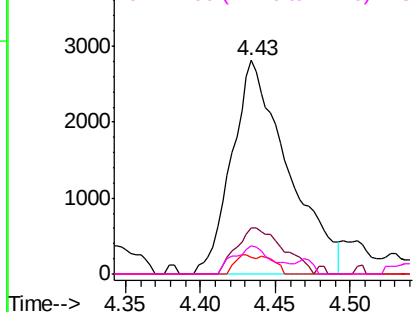


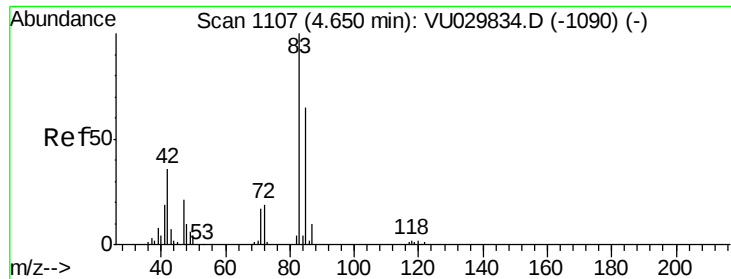
#40
Methyl acrylate
Concen: 0.989 ug/l
RT: 4.43 min Scan# 1040
Delta R.T. 0.01 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Tgt Ion:	55	Resp:	7324
Ion	Ratio	Lower	Upper
55	100		
85	18.1	15.2	22.8
58	3.2	7.6	11.4#
42	8.9	7.5	11.3



Abundance Ion 55.00 (54.70 to 55.70): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 42.00 (41.70 to 42.70): VU0





#41

Tetrahydrofuran

Concen: 2.101 ug/l

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

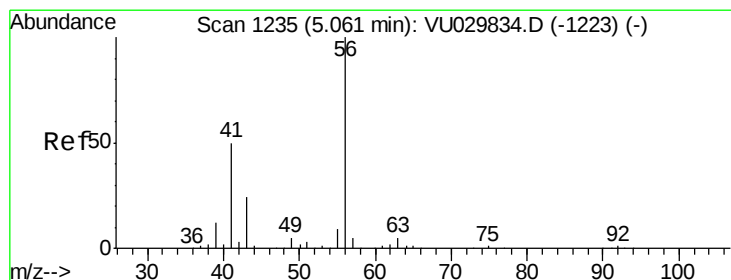
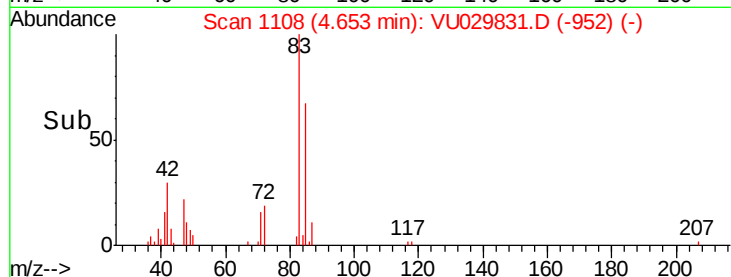
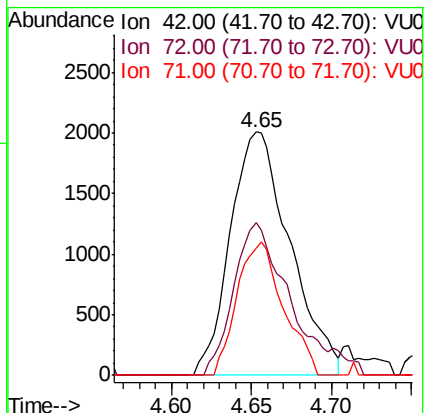
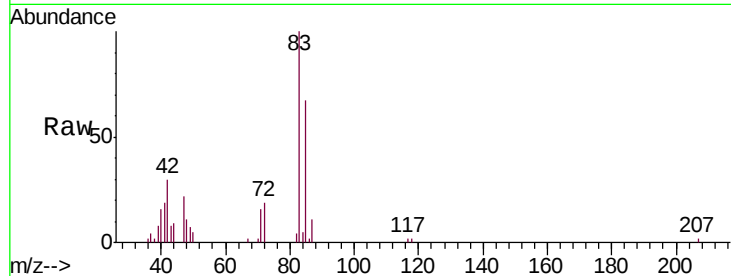
Tgt Ion: 42 Resp: 5148

Ion Ratio Lower Upper

42 100

72 59.7 43.6 65.4

71 42.1 37.5 56.3



#42

1-Chlorobutane

Concen: 1.038 ug/l

RT: 5.06 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VU029831.D

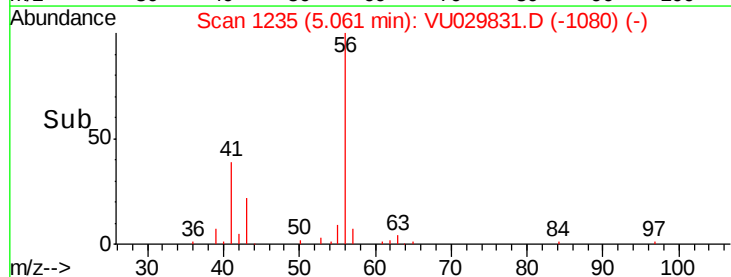
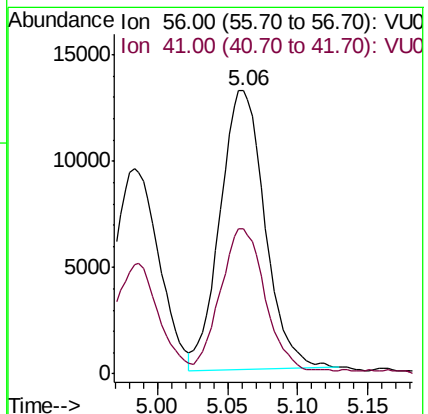
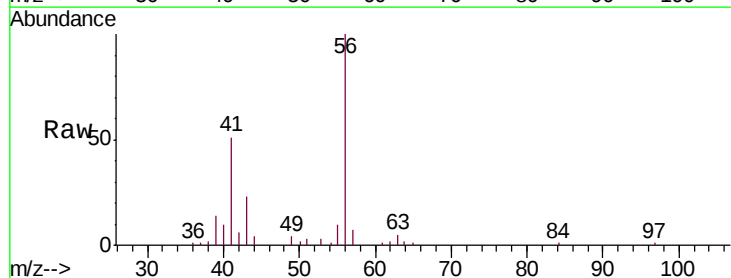
Acq: 06 Mar 2019 09:53

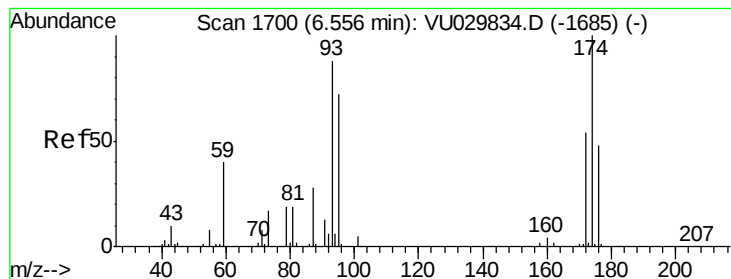
Tgt Ion: 56 Resp: 29173

Ion Ratio Lower Upper

56 100

41 50.0 25.0 75.0





#43

Dibromomethane

Concen: 1.056 ug/l

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

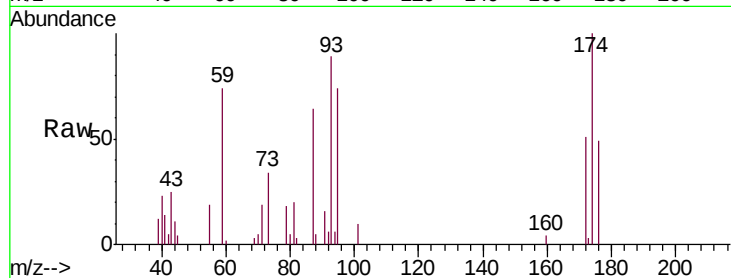
Tgt Ion: 93 Resp: 8976

Ion Ratio Lower Upper

93 100

95 85.3 67.0 100.6

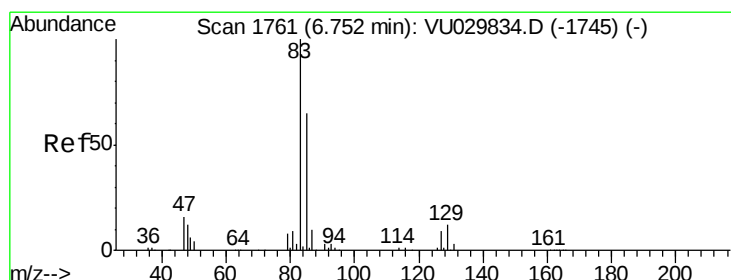
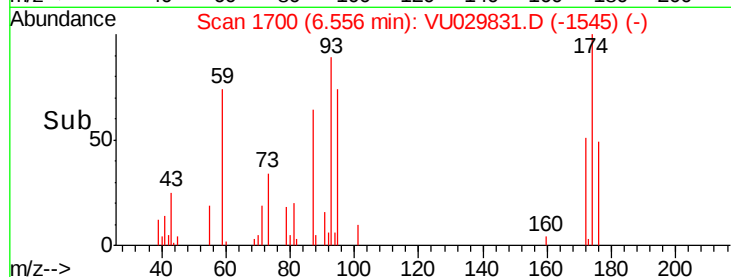
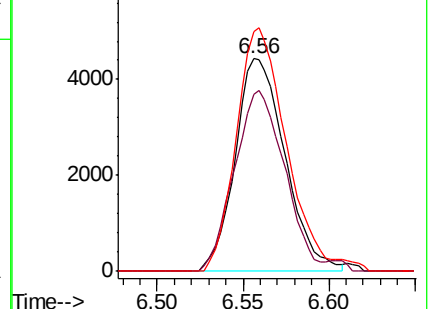
174 115.6 91.4 137.2



Abundance Ion 93.00 (92.70 to 93.70): VU029831.D (-1685) (-)

Ion 95.00 (94.70 to 95.70): VU029831.D (-1685) (-)

Ion 174.00 (173.70 to 174.70): VU029831.D (-1685) (-)



#44

Bromodichloromethane

Concen: 1.025 ug/l

RT: 6.75 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

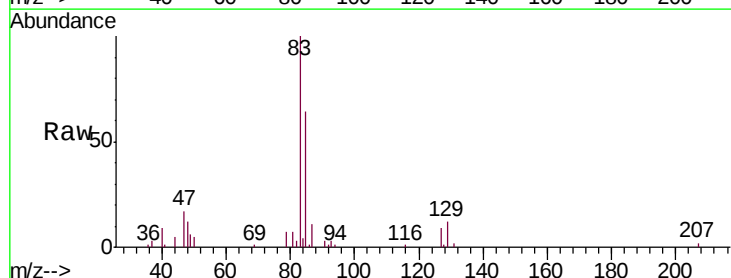
Tgt Ion: 83 Resp: 21412

Ion Ratio Lower Upper

83 100

85 64.2 51.7 77.5

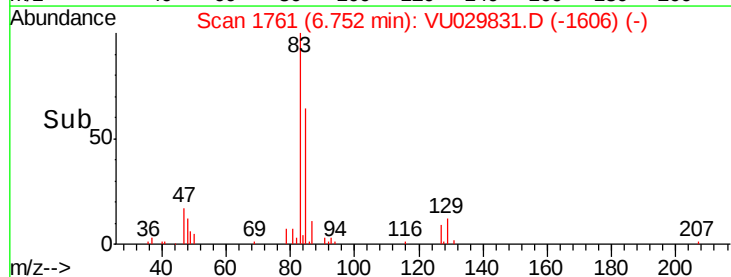
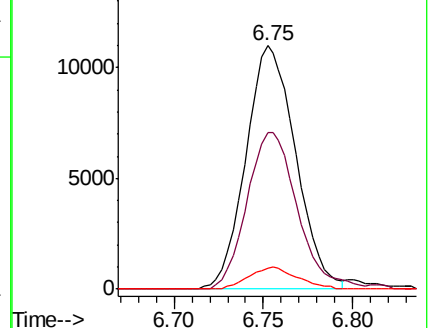
127 8.5 7.4 11.2

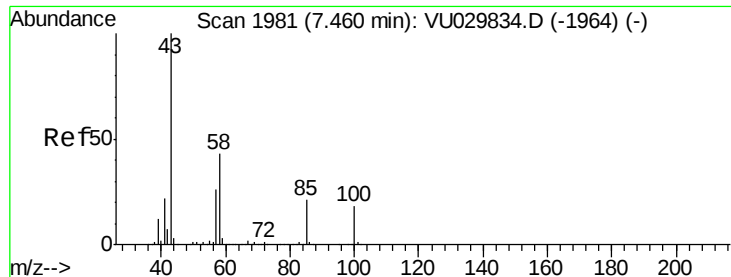


Abundance Ion 83.00 (82.70 to 83.70): VU029831.D (-1606) (-)

Ion 85.00 (84.70 to 85.70): VU029831.D (-1606) (-)

Ion 127.00 (126.70 to 127.70): VU029831.D (-1606) (-)

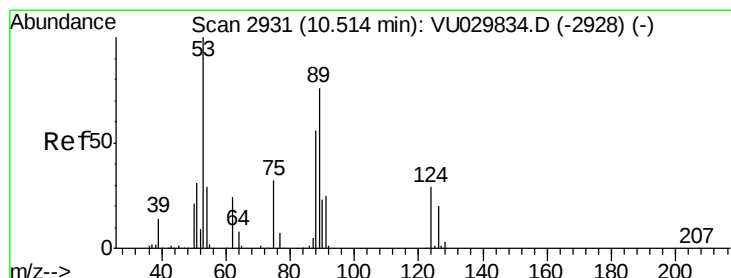
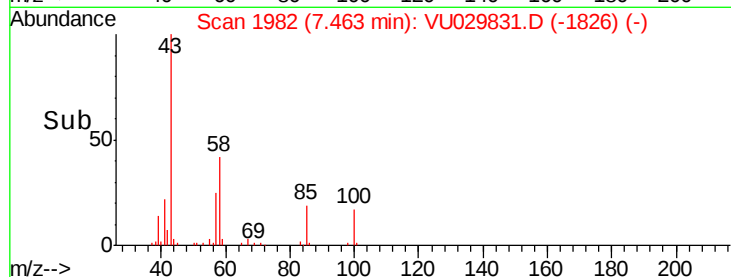
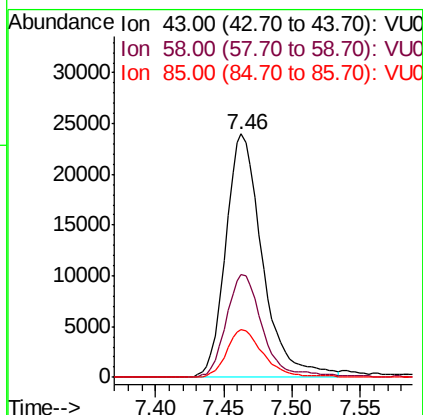
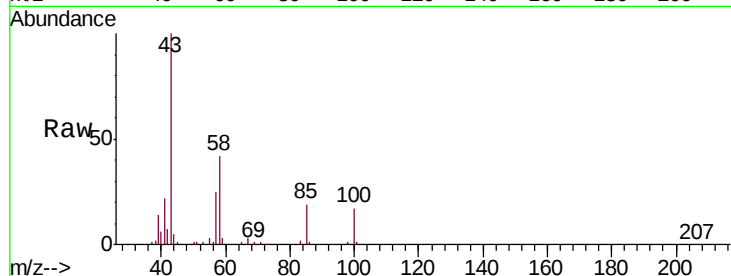




#45
 4-Methyl-2-Pentanone
 Concen: 5.064 ug/l
 RT: 7.46 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VU029831.D
 Acq: 06 Mar 2019 09:53

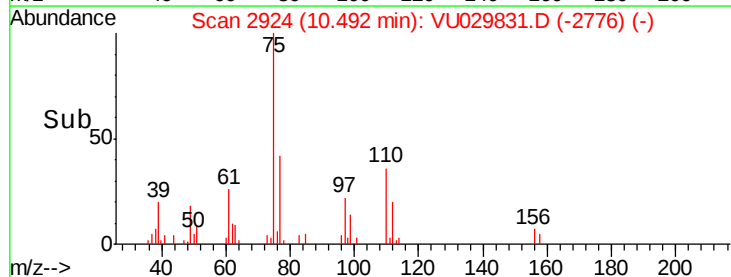
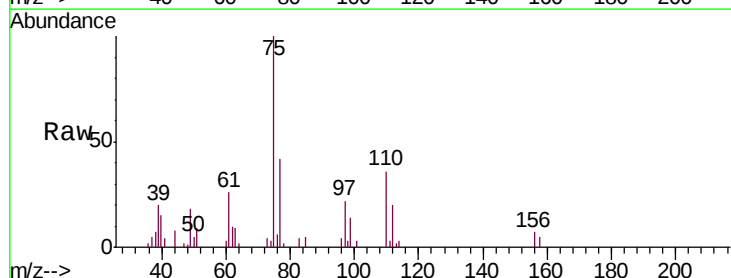
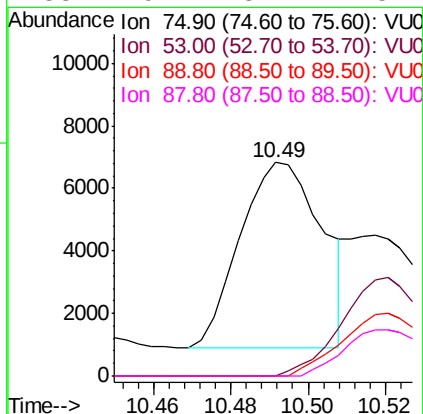
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

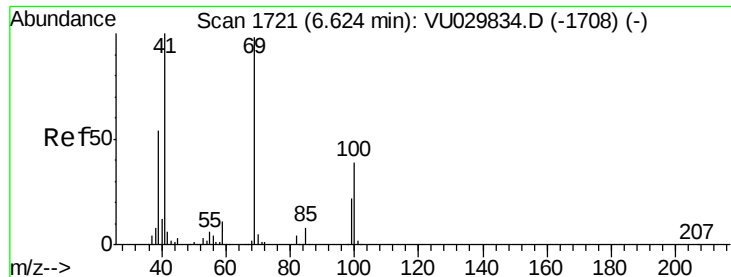
Tgt Ion: 43 Resp: 44901
 Ion Ratio Lower Upper
 43 100
 58 42.1 21.6 65.0
 85 19.8 16.5 24.7



#46
 t-1,4-Dichloro-2-butene
 Concen: 2.270 ug/l
 RT: 10.49 min Scan# 2924
 Delta R.T. -0.02 min
 Lab File: VU029831.D
 Acq: 06 Mar 2019 09:53

Tgt Ion: 75 Resp: 8760
 Ion Ratio Lower Upper
 75 100
 53 60.2 59.2 88.8
 89 38.8 44.9 67.3#
 88 29.2 32.2 48.2#

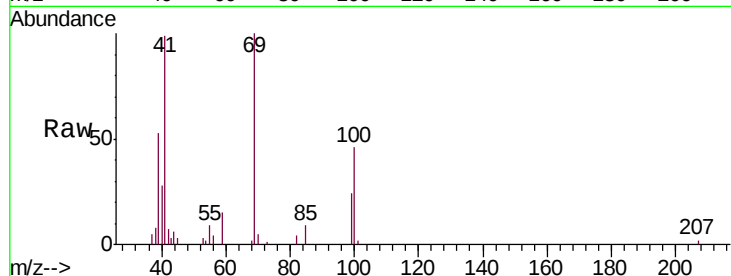




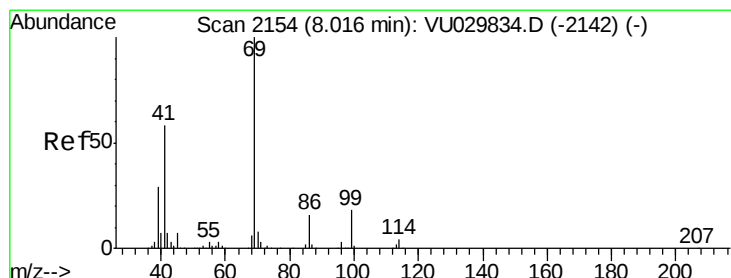
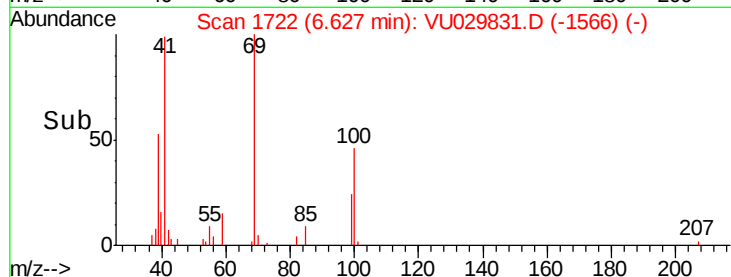
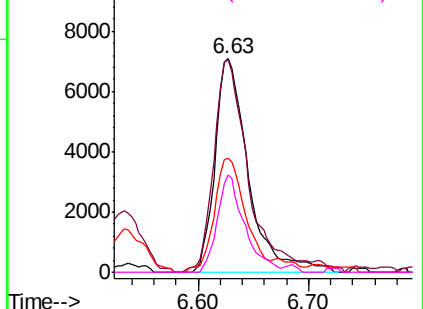
#47
Methyl methacrylate
Concen: 2.028 ug/l
RT: 6.63 min Scan# 1722
Delta R.T. 0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 69 Resp: 14795
Ion Ratio Lower Upper
69 100
41 101.4 0.0 201.0
39 49.9 43.3 64.9
100 37.2 31.5 47.3

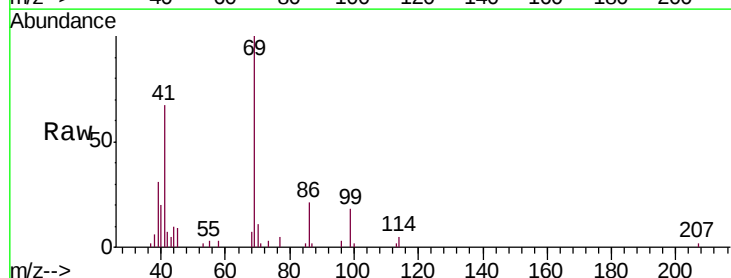


Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

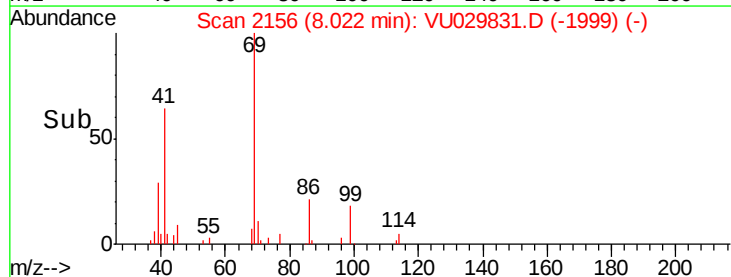
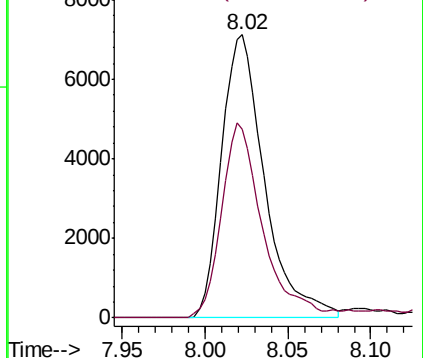


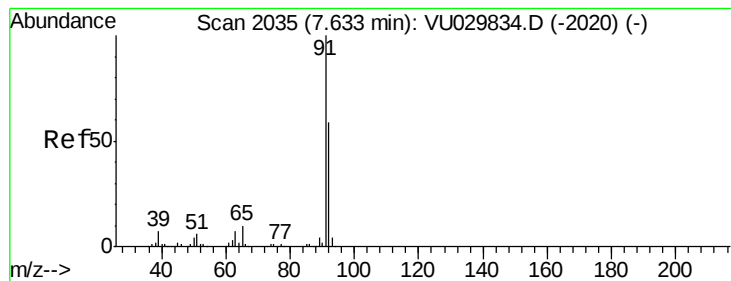
#48
Ethyl methacrylate
Concen: 0.920 ug/l
RT: 8.02 min Scan# 2156
Delta R.T. 0.01 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Tgt Ion: 69 Resp: 12862
Ion Ratio Lower Upper
69 100
41 65.1 29.0 87.1



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





#49

Toluene

Concen: 0.989 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

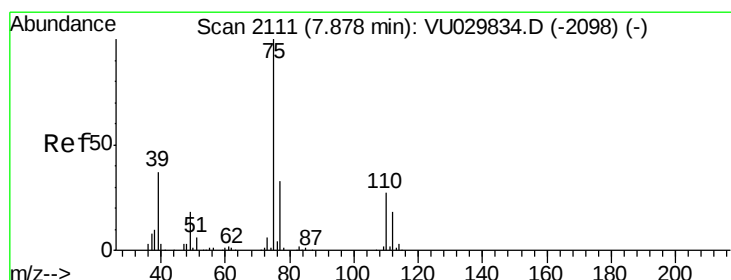
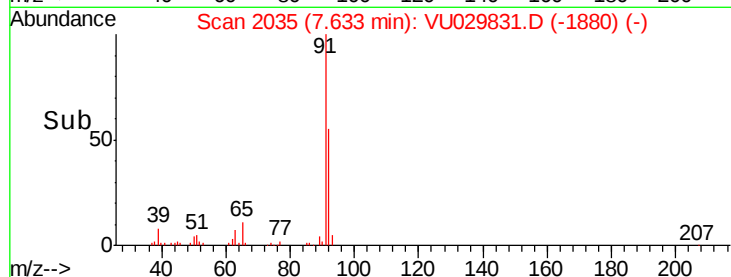
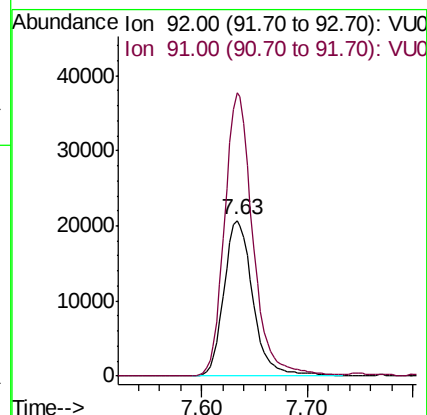
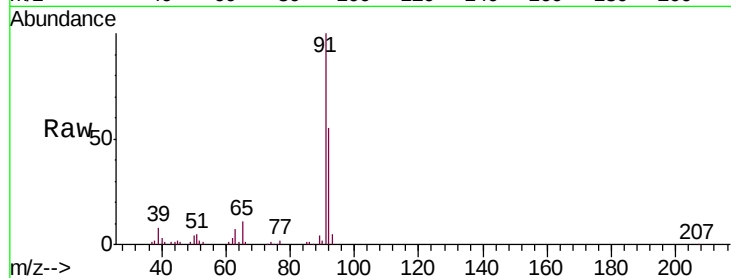
VSTDIC001

Tgt Ion: 92 Resp: 39378

Ion Ratio Lower Upper

92 100

91 178.3 137.8 206.8



#50

t-1,3-Dichloropropene

Concen: 0.978 ug/l

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VU029831.D

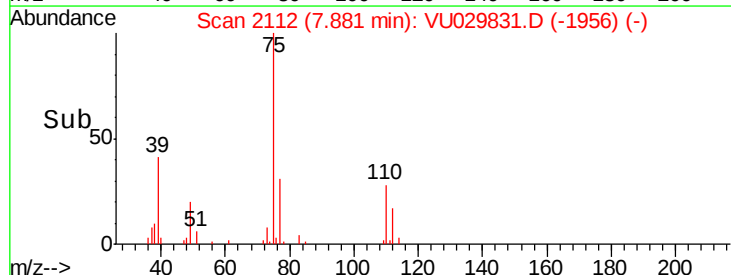
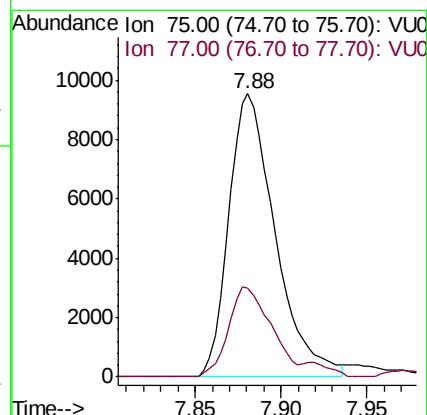
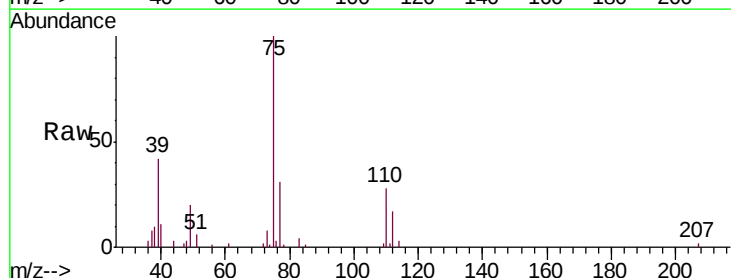
Acq: 06 Mar 2019 09:53

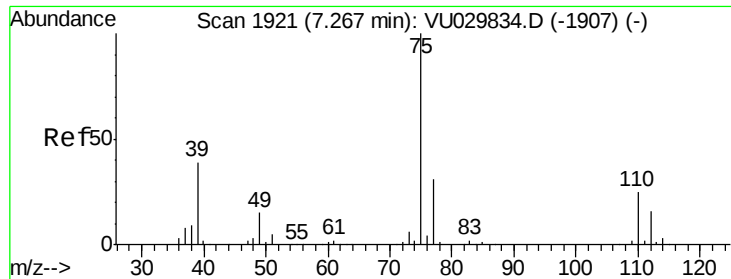
Tgt Ion: 75 Resp: 17896

Ion Ratio Lower Upper

75 100

77 31.4 26.4 39.6



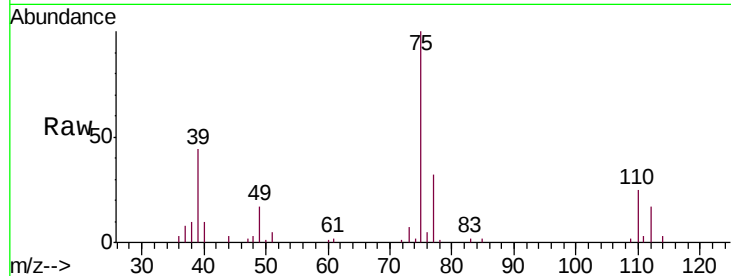


#51

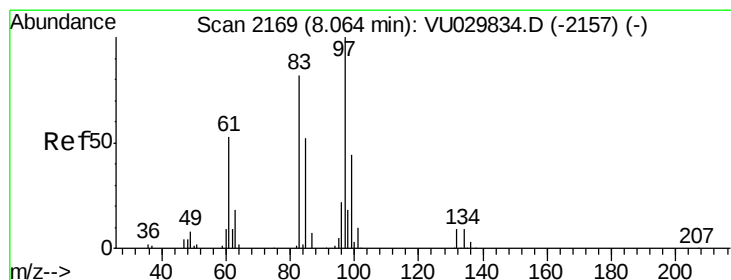
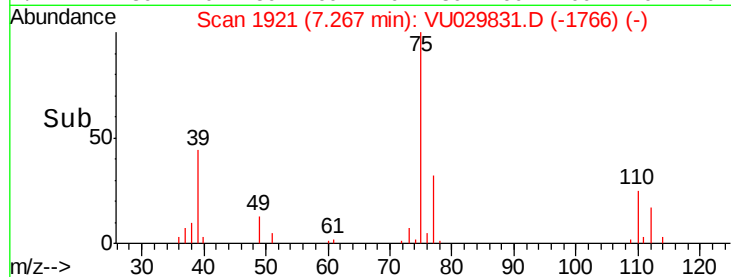
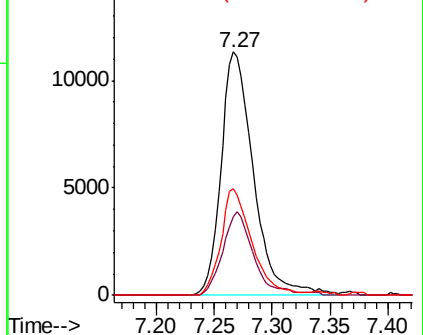
cis-1,3-Dichloropropene
Concen: 0.975 ug/l
RT: 7.27 min Scan# 1921
Delta R.T. -0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion: 75 Resp: 22096
Ion Ratio Lower Upper
75 100
77 32.3 24.9 37.3
39 44.0 30.8 46.2



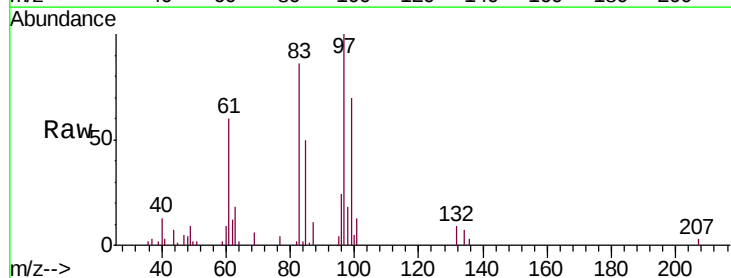
Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0
Ion 39.00 (38.70 to 39.70): VU0



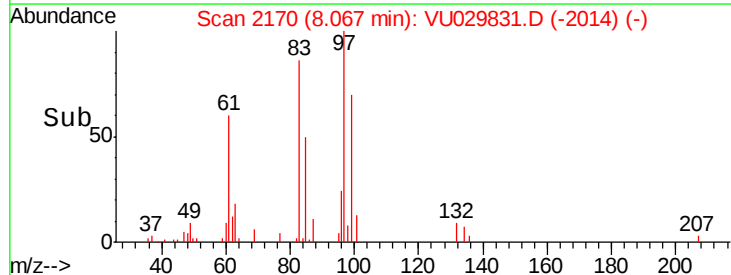
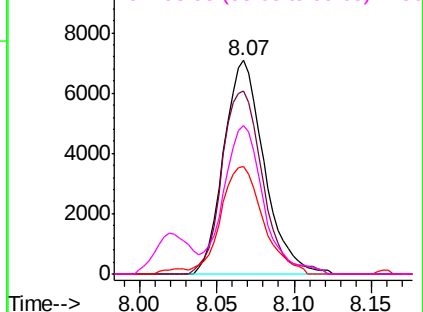
#52

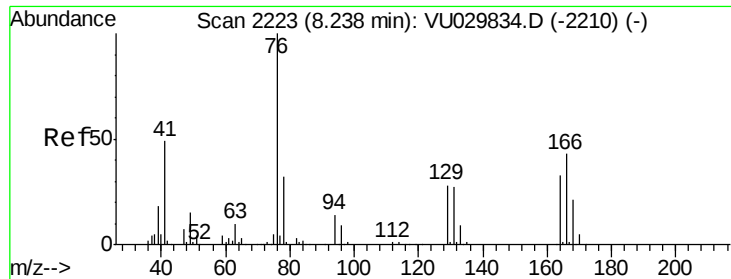
1,1,2-Trichloroethane
Concen: 1.019 ug/l
RT: 8.07 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Tgt Ion: 97 Resp: 12824
Ion Ratio Lower Upper
97 100
83 85.7 65.9 98.9
85 50.4 43.0 64.6
99 69.6 49.7 74.5



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





#53

1,3-Dichloropropane

Concen: 1.083 ug/l

RT: 8.24 min Scan# 2224

Delta R.T. 0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

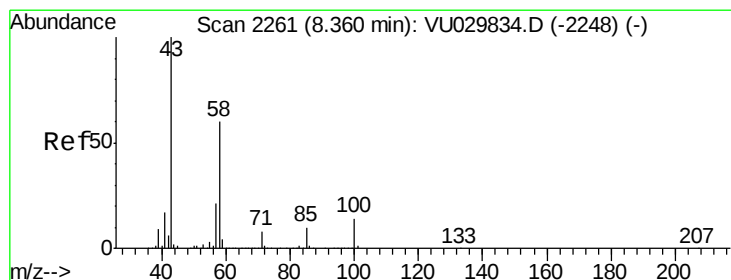
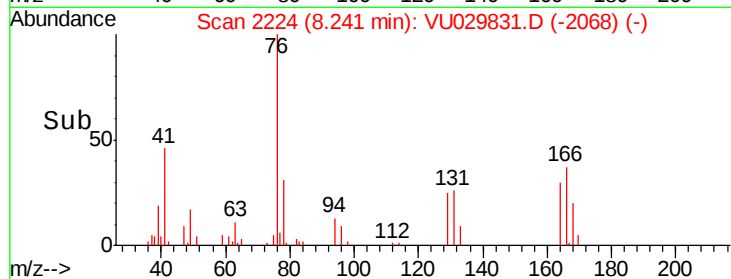
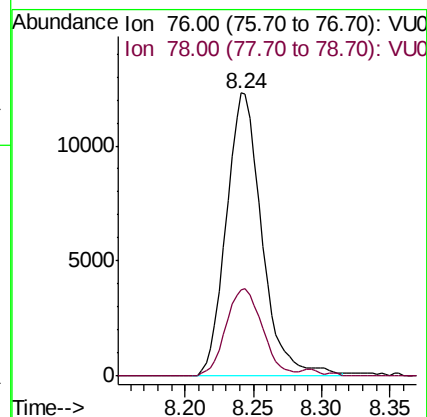
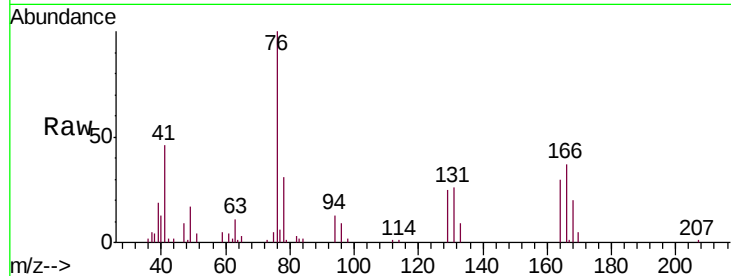
VSTDIC001

Tgt Ion: 76 Resp: 22347

Ion Ratio Lower Upper

76 100

78 31.5 25.7 38.5



#54

2-Hexanone

Concen: 4.880 ug/l

RT: 8.37 min Scan# 2263

Delta R.T. 0.01 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

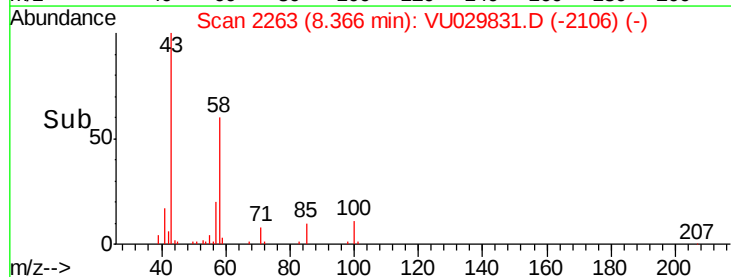
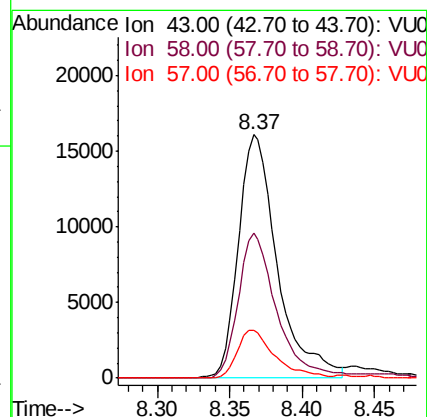
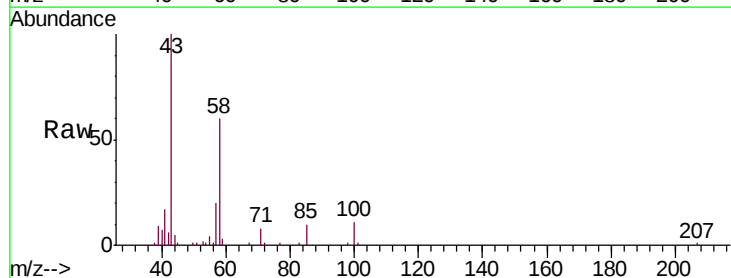
Tgt Ion: 43 Resp: 30050

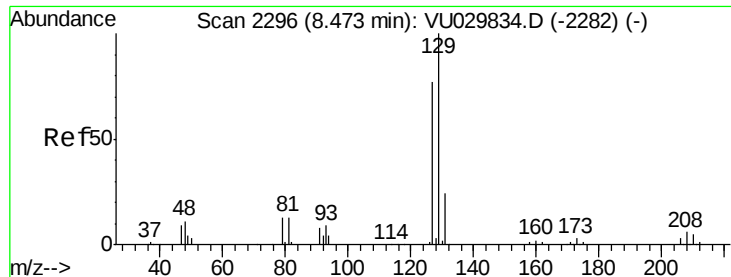
Ion Ratio Lower Upper

43 100

58 59.1 39.6 79.6

57 18.9 0.5 40.5

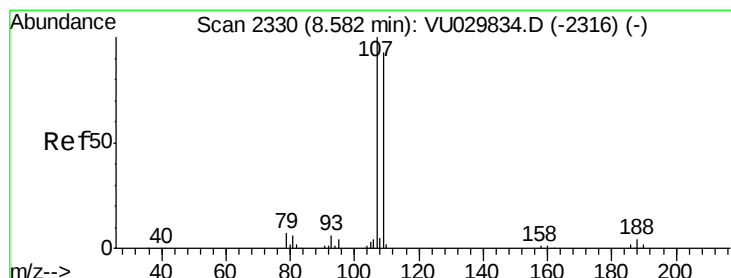
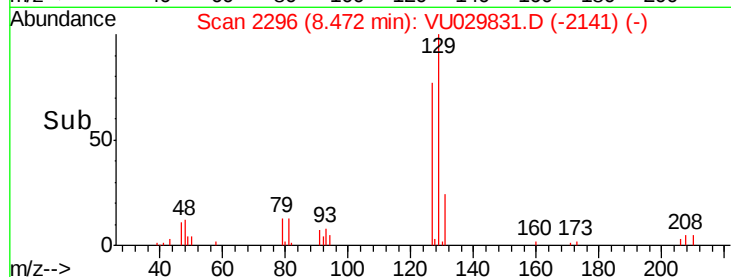
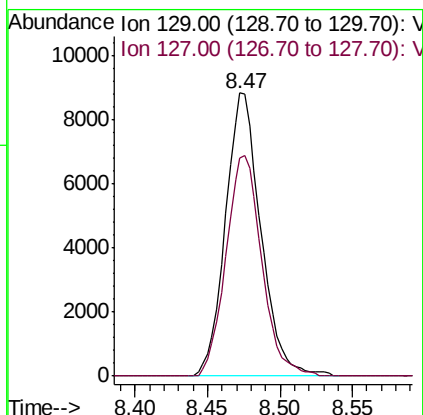
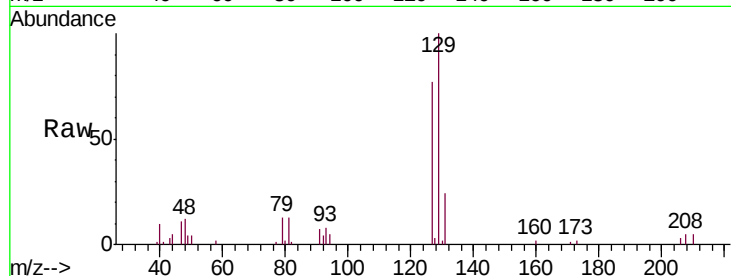




#55
 Dibromochloromethane
 Concen: 1.000 ug/l
 RT: 8.47 min Scan# 2296
 Delta R.T. -0.00 min
 Lab File: VU029831.D
 Acq: 06 Mar 2019 09:53

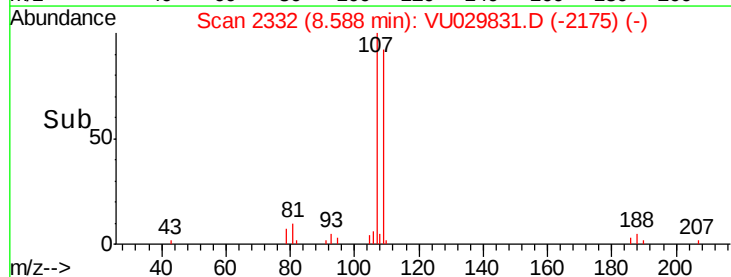
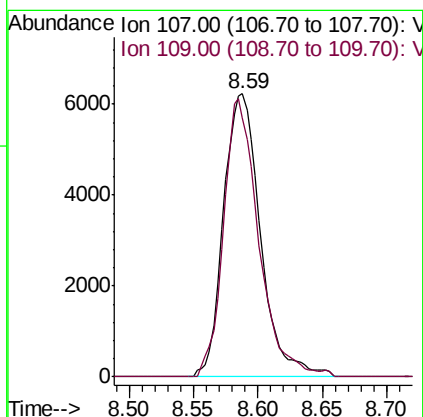
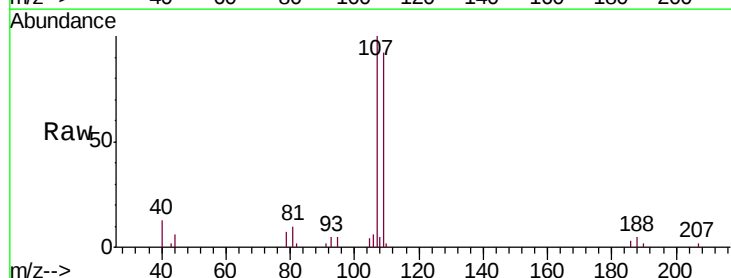
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

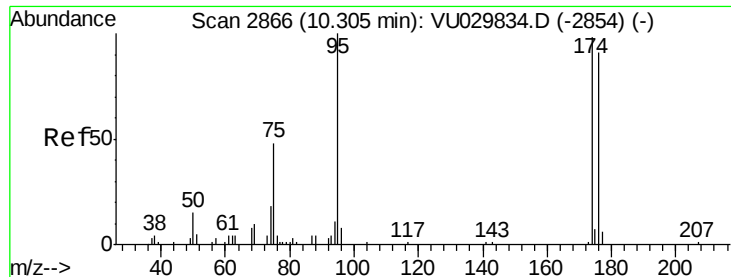
Tgt Ion:129 Resp: 14941
 Ion Ratio Lower Upper
 129 100
 127 78.7 61.6 92.4



#56
 1,2-Dibromoethane
 Concen: 1.040 ug/l
 RT: 8.59 min Scan# 2332
 Delta R.T. 0.01 min
 Lab File: VU029831.D
 Acq: 06 Mar 2019 09:53

Tgt Ion:107 Resp: 12404
 Ion Ratio Lower Upper
 107 100
 109 93.0 0.0 188.4





#57

4-Bromofluorobenzene

Concen: 1.040 ug/l

RT: 10.31 min Scan# 2866

Delta R.T. -0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

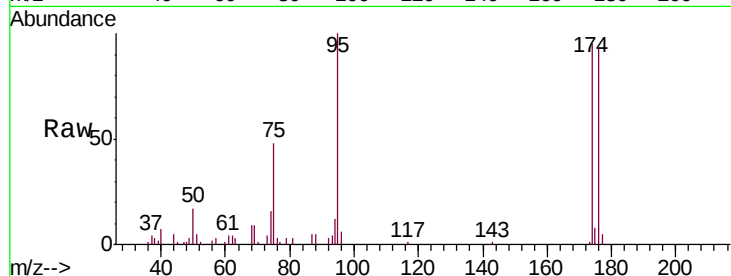
Tgt Ion: 95 Resp: 20948

Ion Ratio Lower Upper

95 100

174 97.9 76.5 114.7

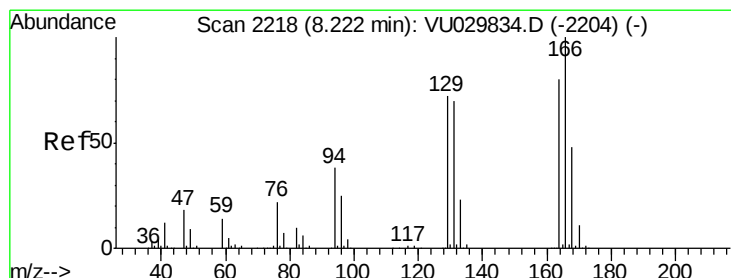
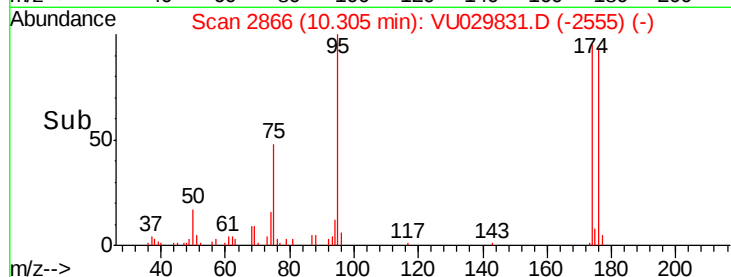
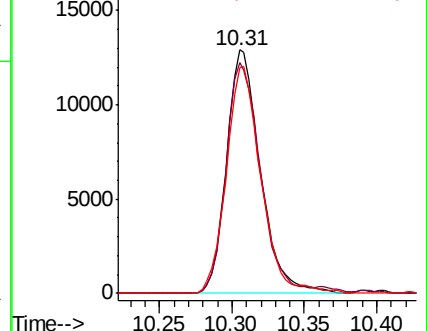
176 95.0 74.2 111.2



Abundance Ion 95.00 (94.70 to 95.70): VU029831.D (-2854) (-)

Ion 174.00 (173.70 to 174.70): VU029831.D (-2854) (-)

Ion 176.00 (175.70 to 176.70): VU029831.D (-2854) (-)



#58

Tetrachloroethene

Concen: 1.020 ug/l

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Tgt Ion: 164 Resp: 19704

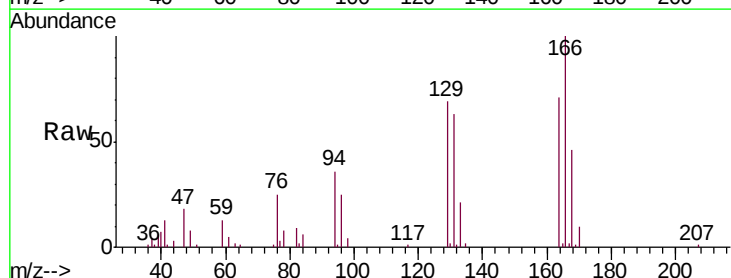
Ion Ratio Lower Upper

164 100

166 141.0 100.5 150.7

129 97.1 72.3 108.5

131 89.1 70.0 105.0

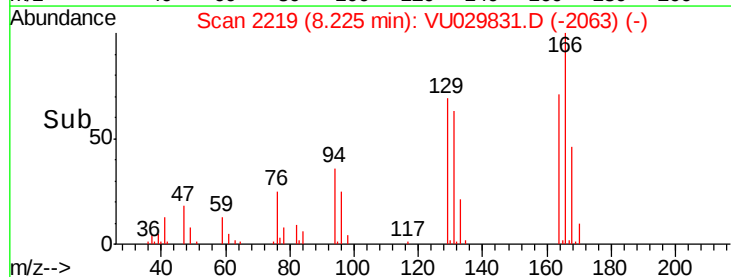
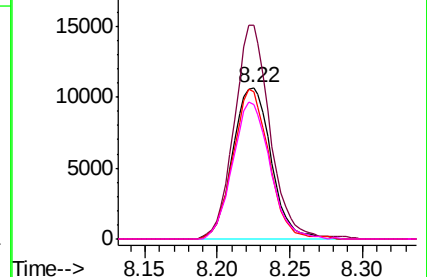


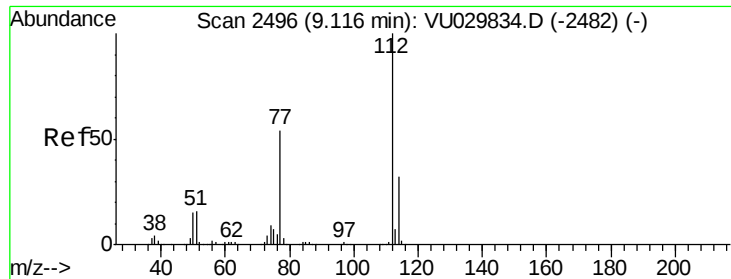
Abundance Ion 163.85 (163.55 to 164.55): VU029831.D (-2063) (-)

Ion 165.80 (165.50 to 166.50): VU029831.D (-2063) (-)

Ion 128.90 (128.60 to 129.60): VU029831.D (-2063) (-)

Ion 130.90 (130.60 to 131.60): VU029831.D (-2063) (-)





#59

Chlorobenzene

Concen: 1.016 ug/l

RT: 9.12 min Scan# 2497

Delta R.T. 0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

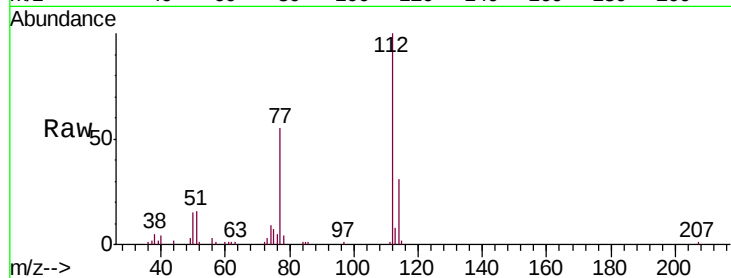
VSTDIC001

Tgt Ion:112 Resp: 46474

Ion Ratio Lower Upper

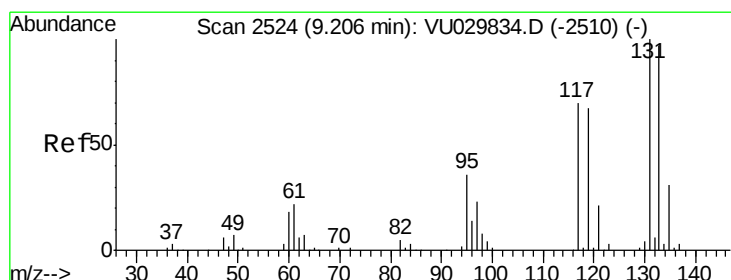
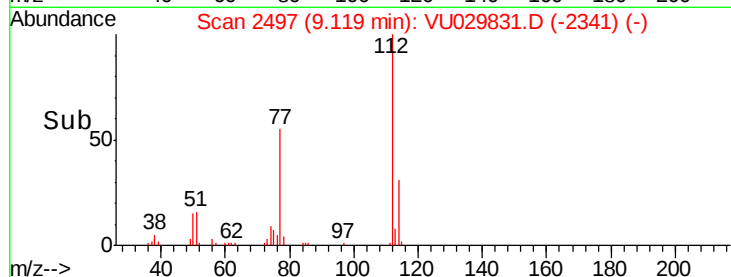
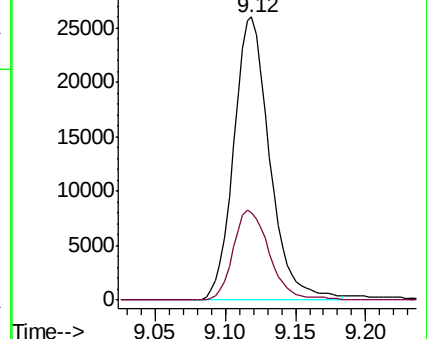
112 100

114 30.8 25.4 38.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#60

1,1,1,2-Tetrachloroethane

Concen: 1.008 ug/l

RT: 9.21 min Scan# 2524

Delta R.T. -0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

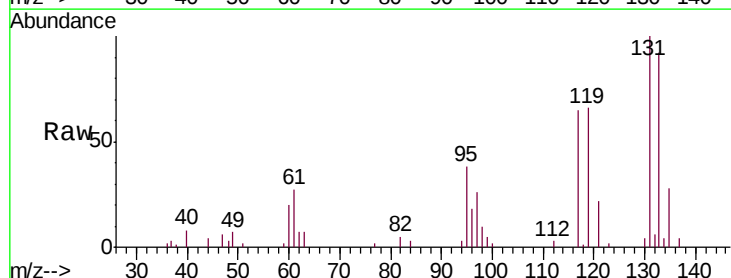
Tgt Ion:131 Resp: 16543

Ion Ratio Lower Upper

131 100

133 97.1 76.4 114.6

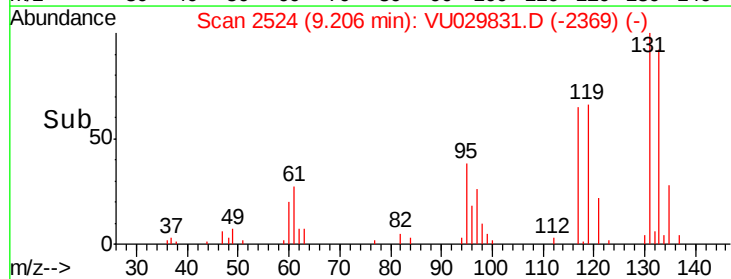
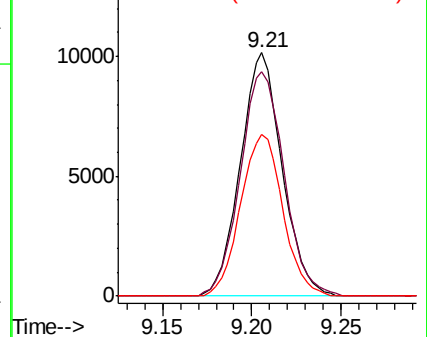
119 67.1 54.2 81.4

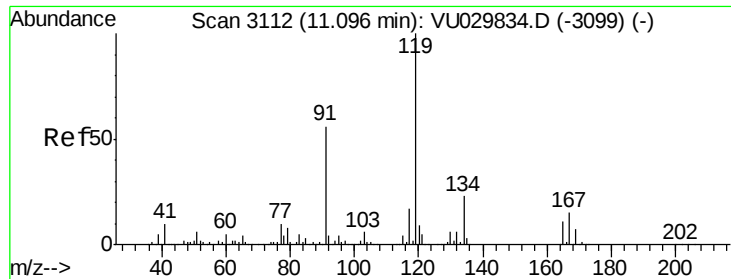


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#61

Pentachloroethane

Concen: 0.990 ug/l

RT: 11.10 min Scan# 3113

Delta R.T. 0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

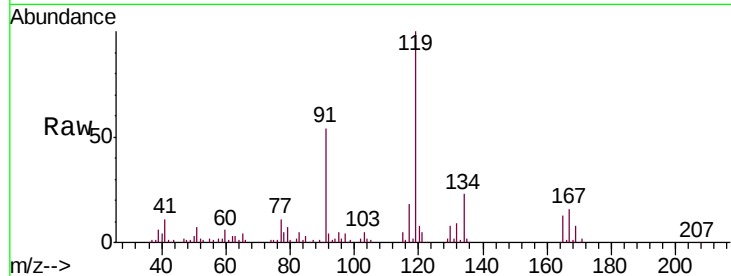
VSTDIC001

Tgt Ion:117 Resp: 11314

Ion Ratio Lower Upper

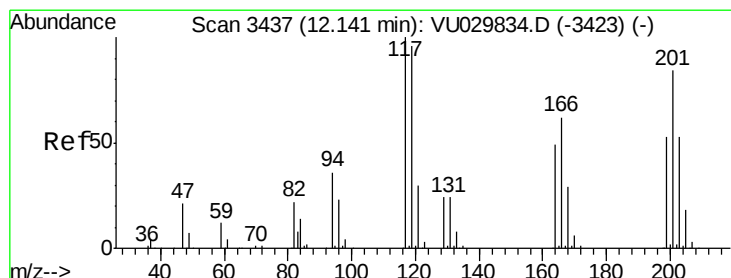
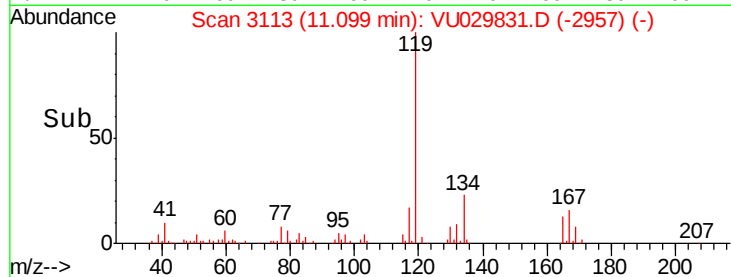
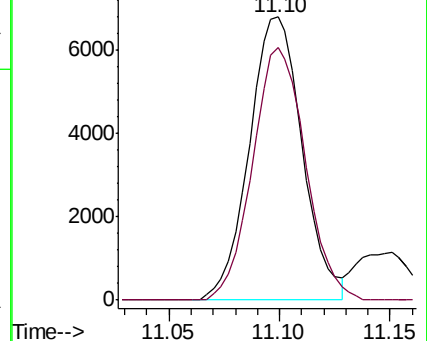
117 100

167 88.9 71.4 107.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 0.979 ug/l

RT: 12.14 min Scan# 3438

Delta R.T. 0.00 min

Lab File: VU029831.D

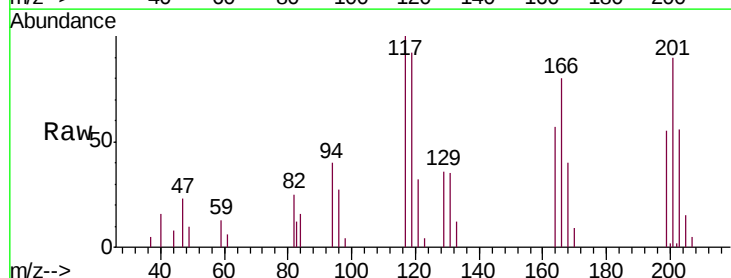
Acq: 06 Mar 2019 09:53

Tgt Ion:117 Resp: 11765

Ion Ratio Lower Upper

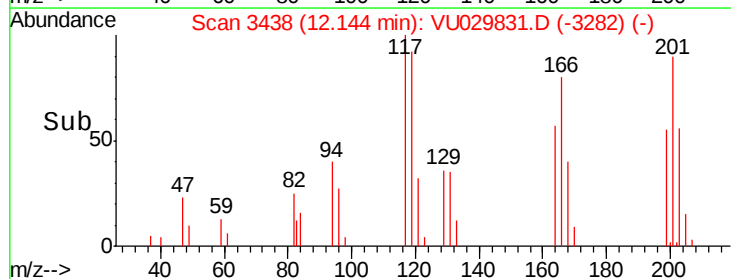
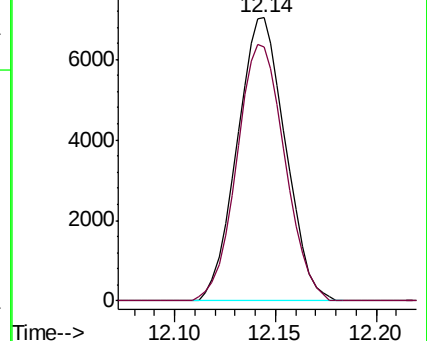
117 100

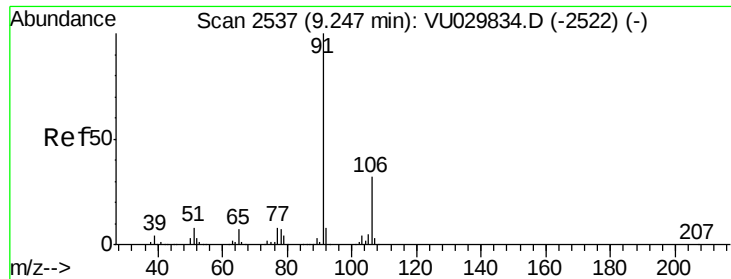
201 90.1 68.2 102.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V

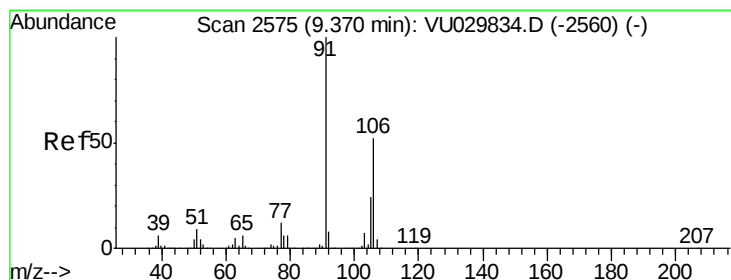
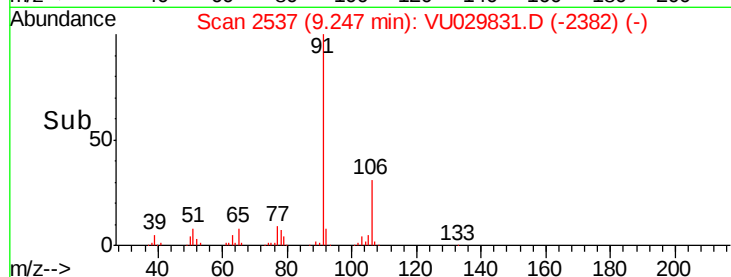
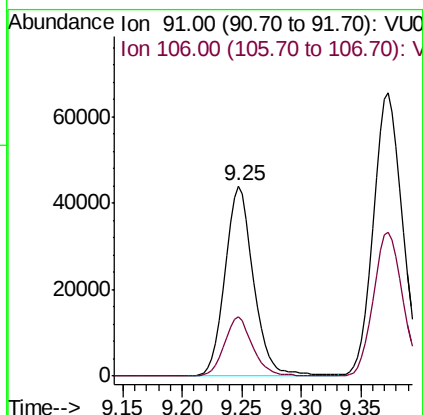
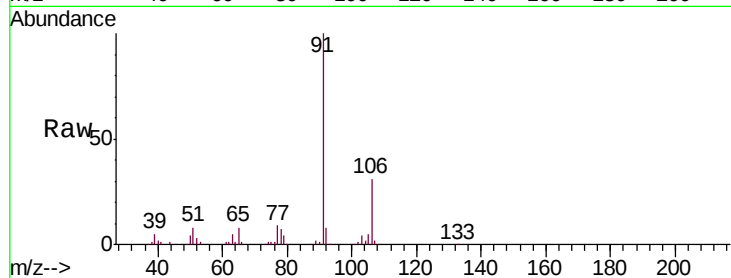




#63
Ethyl Benzene
Concen: 0.977 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. -0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

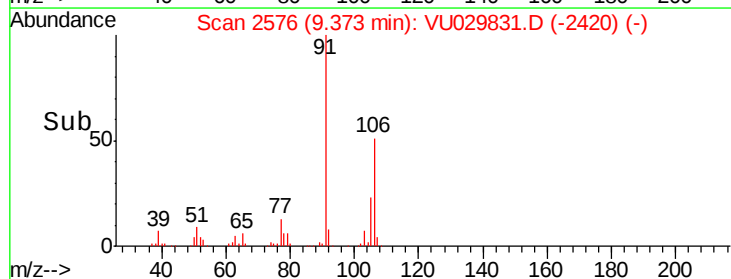
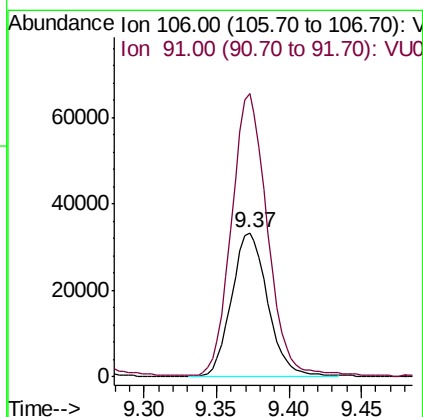
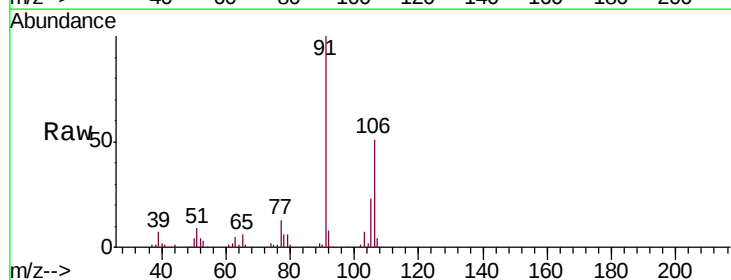
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

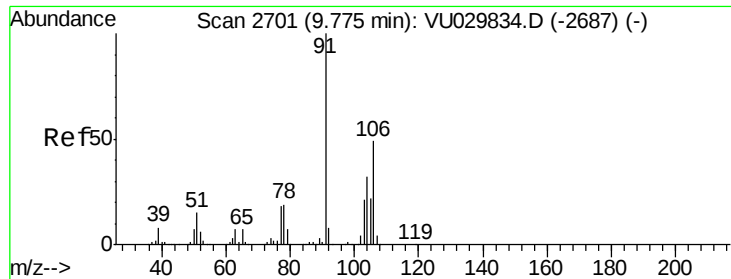
Tgt Ion: 91 Resp: 73236
Ion Ratio Lower Upper
91 100
106 31.2 25.7 38.5



#64
m/p-Xylenes
Concen: 1.961 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Tgt Ion: 106 Resp: 58073
Ion Ratio Lower Upper
106 100
91 193.0 155.3 232.9





#65

o-Xylene

Concen: 0.964 ug/l

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

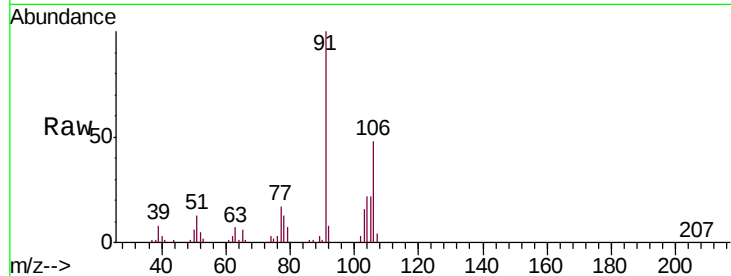
VSTDIC001

Tgt Ion:106 Resp: 27437

Ion Ratio Lower Upper

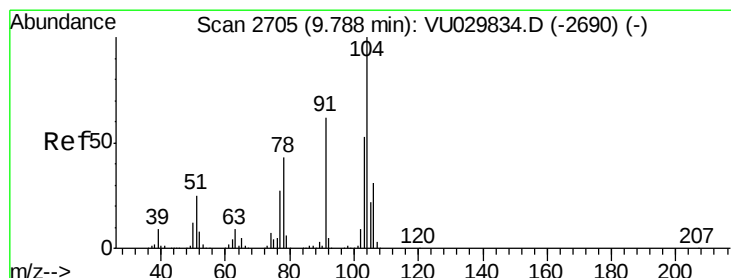
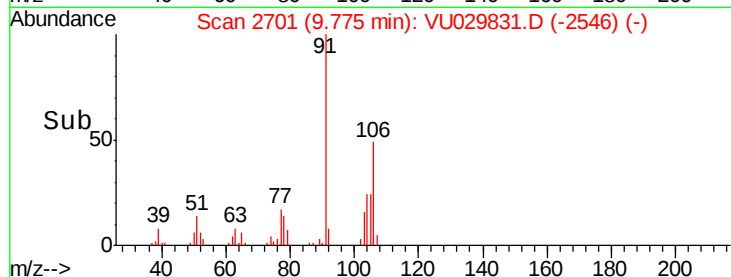
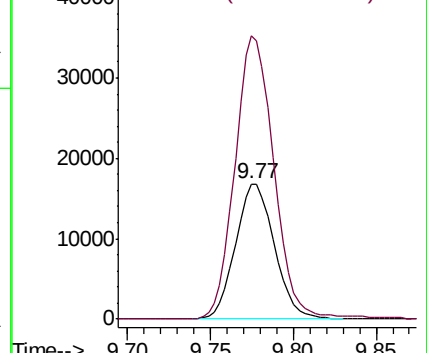
106 100

91 210.8 102.8 308.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 0.964 ug/l

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

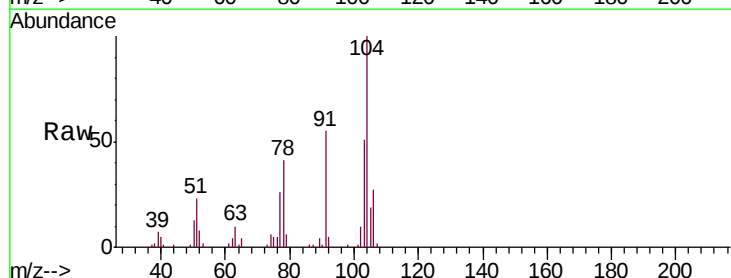
Tgt Ion:104 Resp: 45559

Ion Ratio Lower Upper

104 100

78 45.5 37.2 55.8

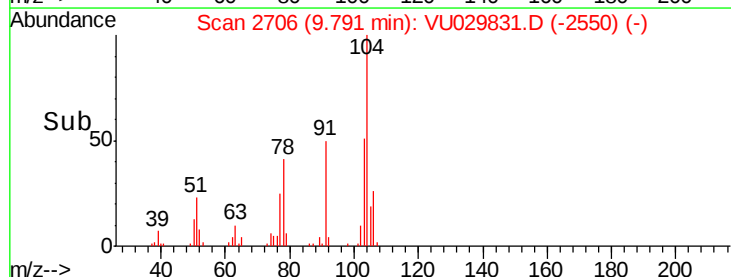
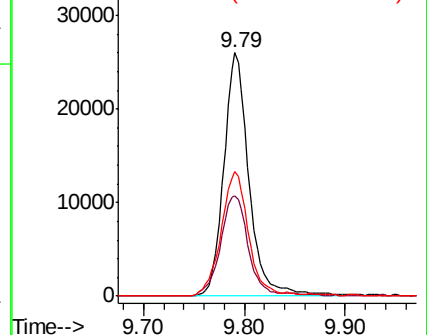
103 55.5 44.7 67.1

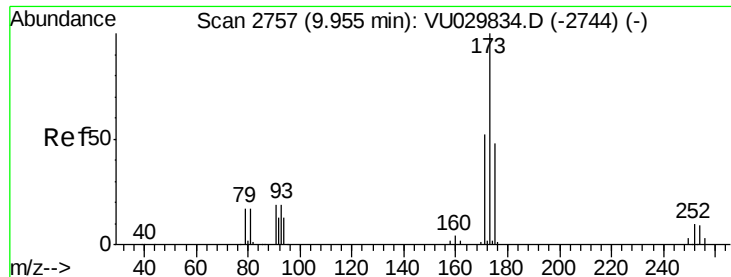


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V

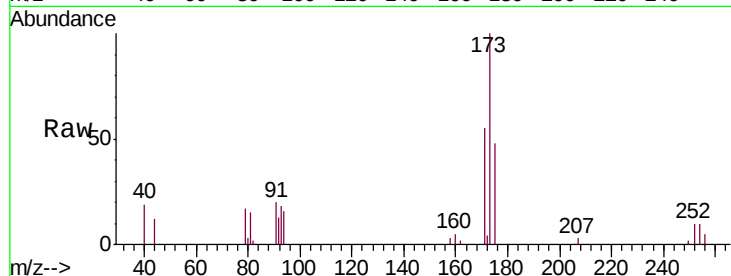




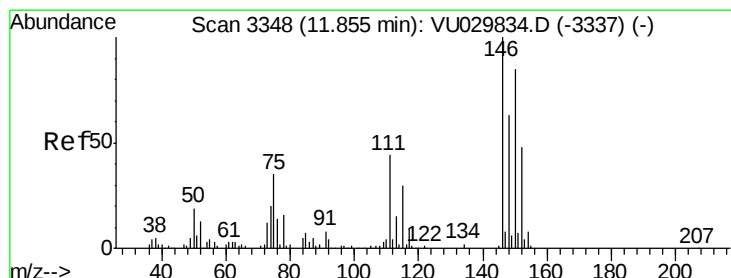
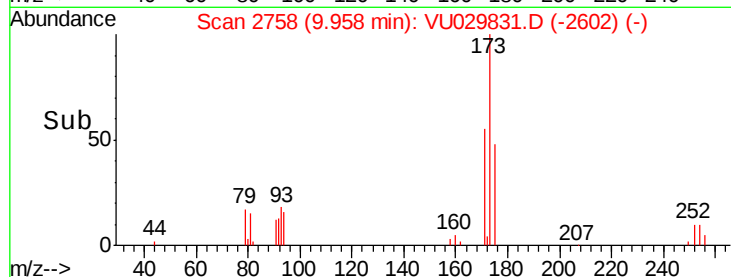
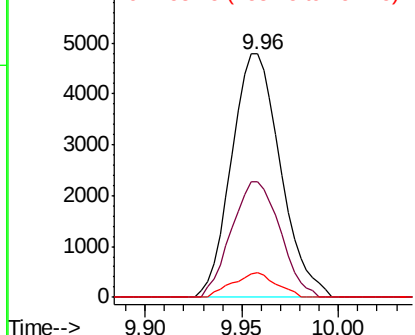
#67
Bromoform
Concen: 0.961 ug/l
RT: 9.96 min Scan# 2758
Delta R.T. 0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tgt Ion:173 Resp: 8431
Ion Ratio Lower Upper
173 100
175 47.0 38.6 57.8
254 9.0 7.4 11.2

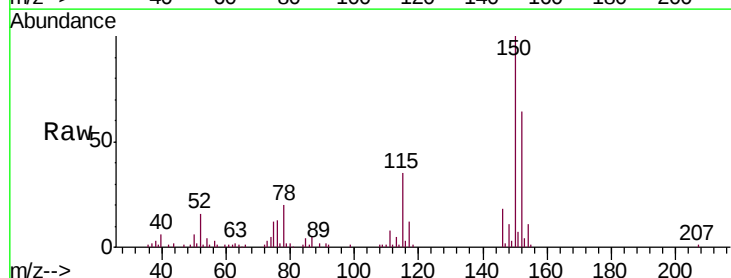


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

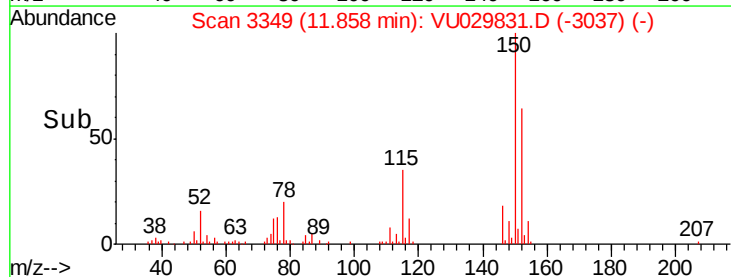
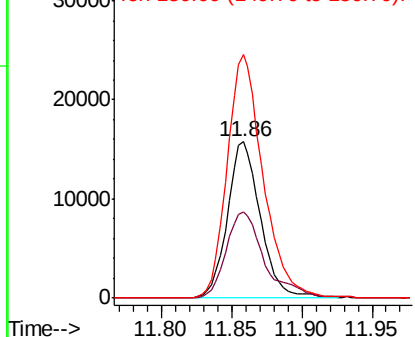


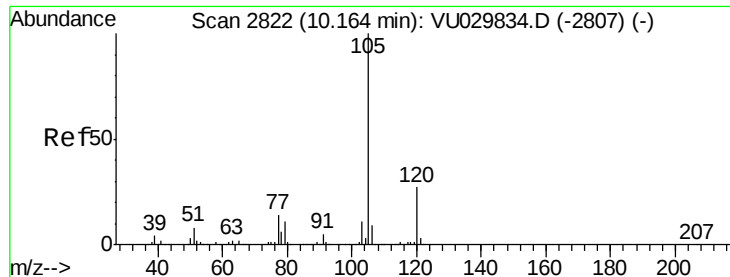
#68
1,2-Dichlorobenzene-d4
Concen: 0.961 ug/l
RT: 11.86 min Scan# 3349
Delta R.T. 0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Tgt Ion:152 Resp: 25867
Ion Ratio Lower Upper
152 100
115 63.7 0.0 124.0
150 168.5 0.0 631.2



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





#69

Isopropylbenzene

Concen: 0.979 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

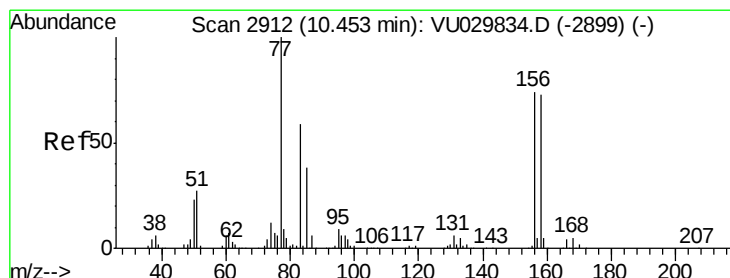
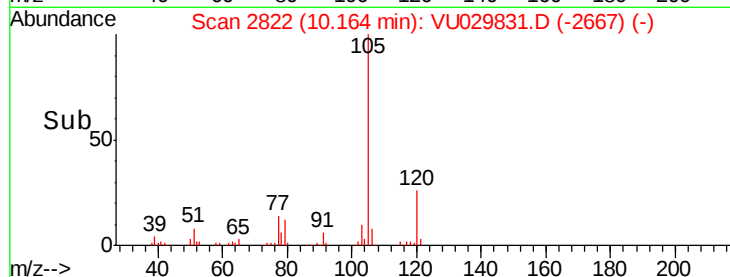
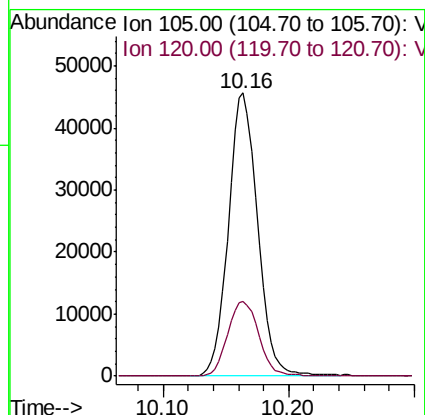
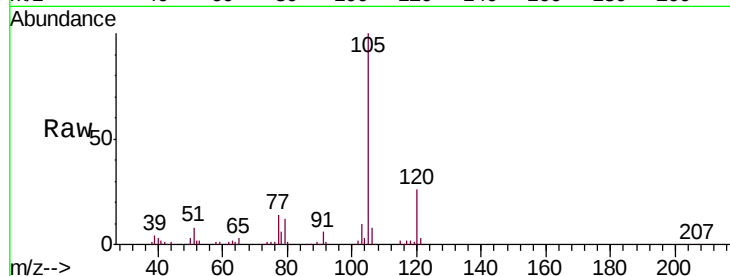
VSTDIC001

Tgt Ion:105 Resp: 73876

Ion Ratio Lower Upper

105 100

120 28.0 13.5 40.5



#70

1,1,2,2-Tetrachloroethane

Concen: 1.009 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

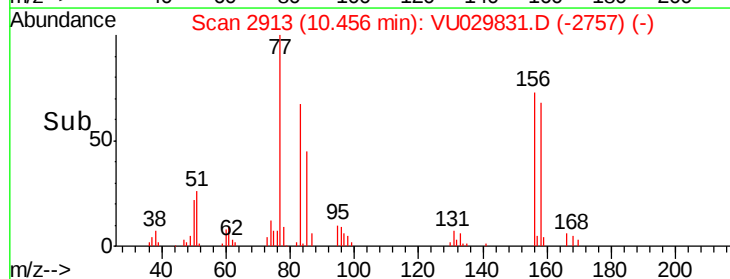
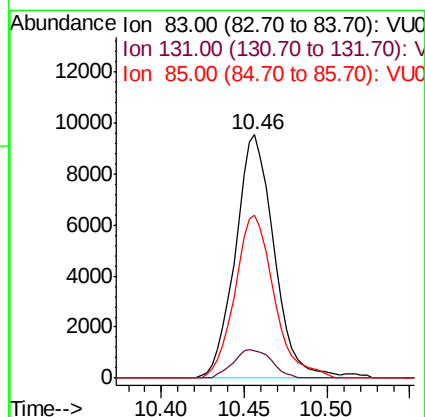
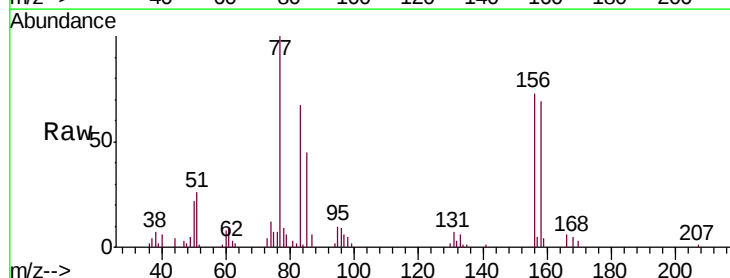
Tgt Ion: 83 Resp: 15487

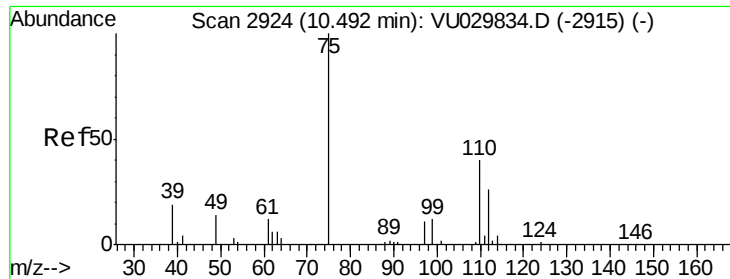
Ion Ratio Lower Upper

83 100

131 11.6 8.3 12.5

85 67.8 52.5 78.7

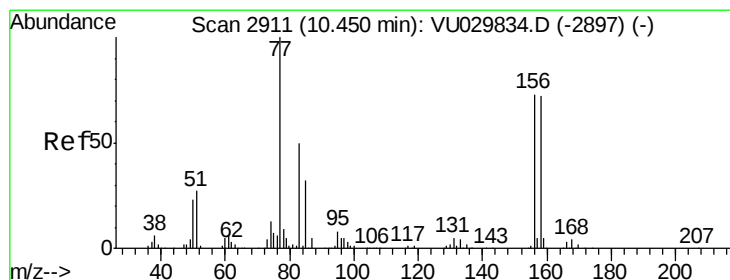
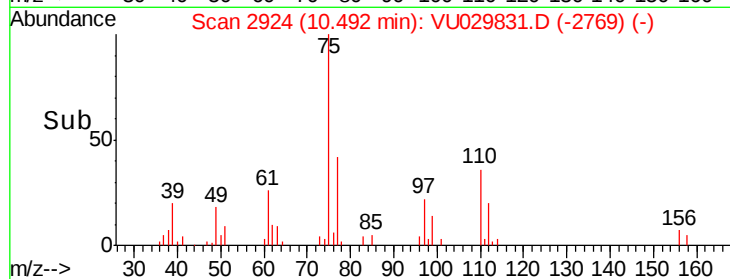
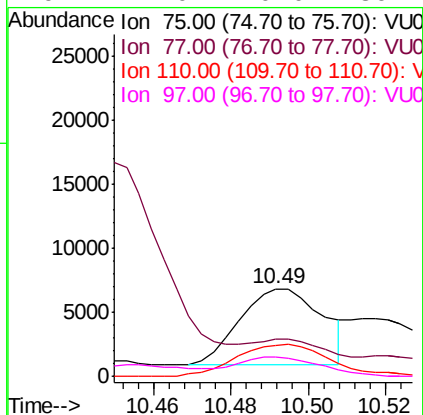
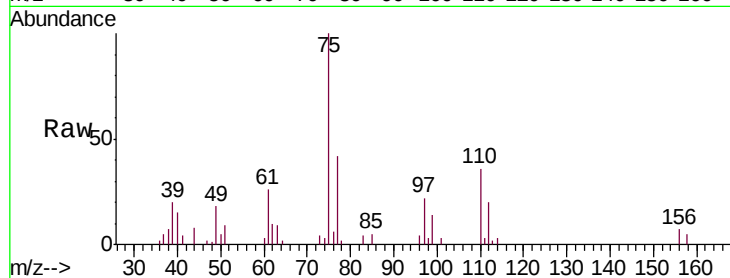




#71
1,2,3-Trichloropropane
Concen: 0.788 ug/l
RT: 10.49 min Scan# 2924
Delta R.T. -0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

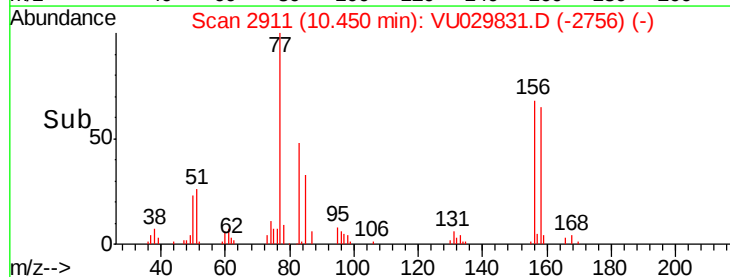
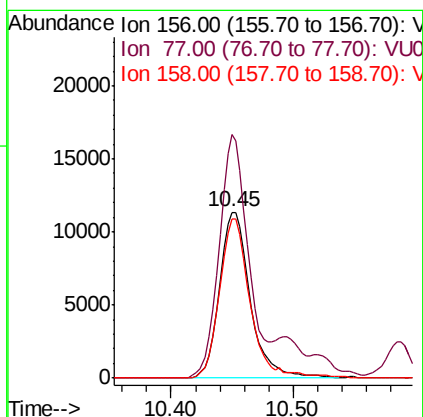
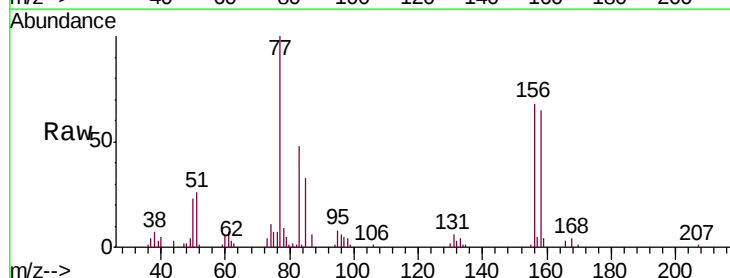
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

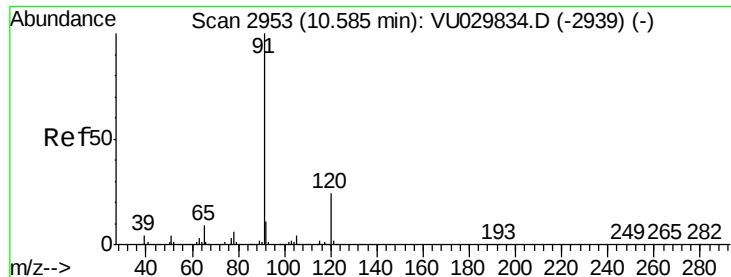
Tgt Ion:	75	Resp:	8760
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	16.4
110	47.9	0.0	74.8
97	27.0	0.0	39.4



#72
Bromobenzene
Concen: 1.006 ug/l
RT: 10.45 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Tgt Ion:	156	Resp:	20090
Ion	Ratio	Lower	Upper
156	100		
77	139.8	0.0	282.2
158	92.8	0.0	196.2

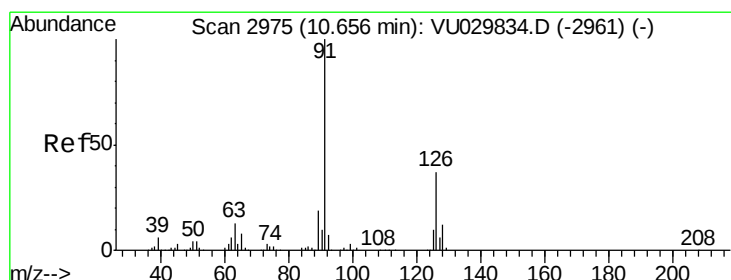
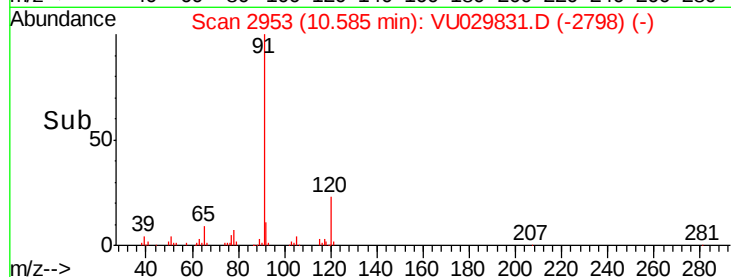
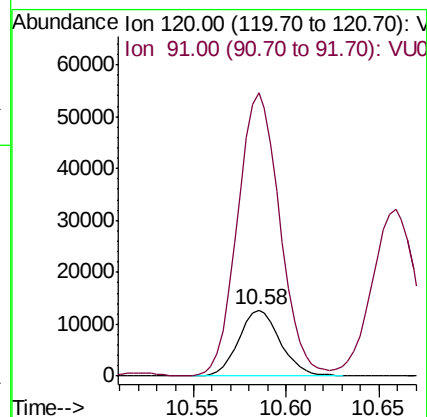
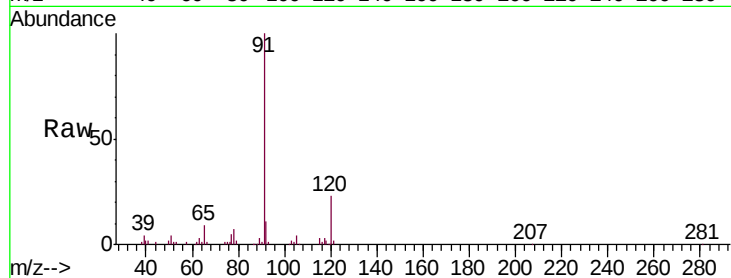




#73
n-propylbenzene
Concen: 0.936 ug/l
RT: 10.58 min Scan# 2953
Delta R.T. -0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

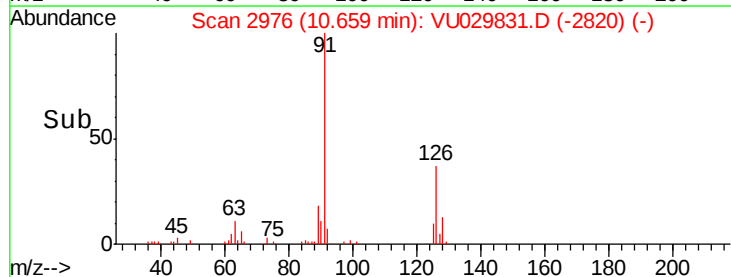
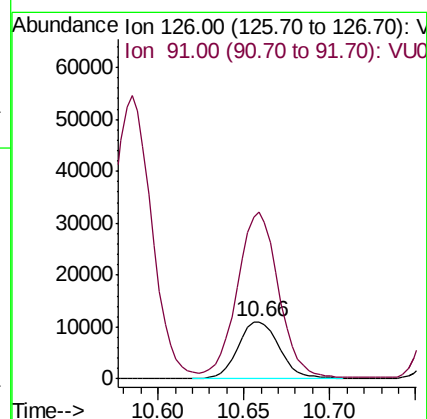
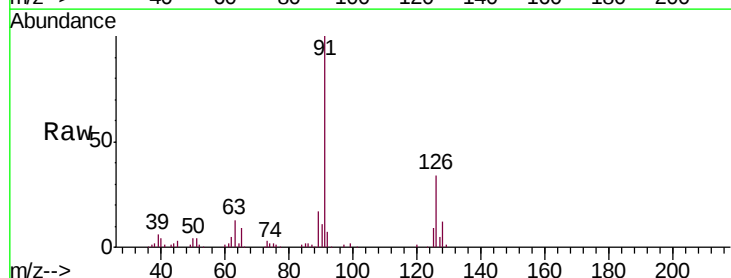
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

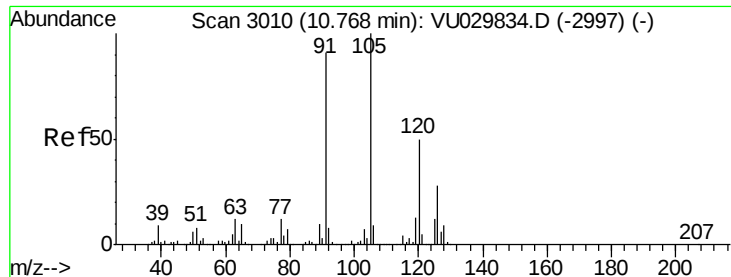
Tgt Ion:120 Resp: 19849
Ion Ratio Lower Upper
120 100
91 436.5 333.4 500.2



#74
2-Chlorotoluene
Concen: 0.987 ug/l
RT: 10.66 min Scan# 2976
Delta R.T. 0.00 min
Lab File: VU029831.D
Acq: 06 Mar 2019 09:53

Tgt Ion:126 Resp: 18575
Ion Ratio Lower Upper
126 100
91 286.0 0.0 569.0





#75

1,3,5-Trimethylbenzene

Concen: 0.954 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

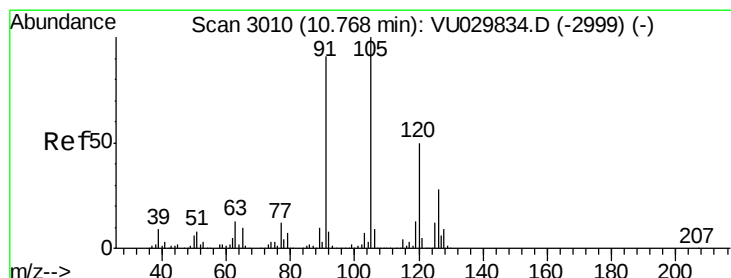
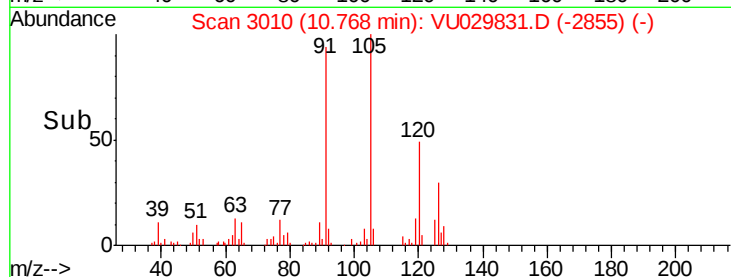
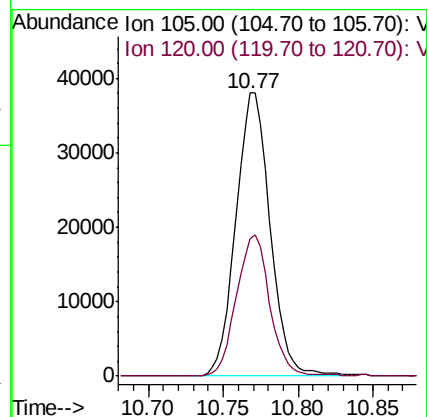
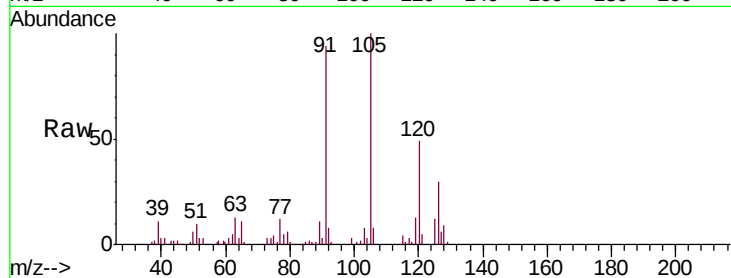
VSTDIC001

Tgt Ion:105 Resp: 60655

Ion Ratio Lower Upper

105 100

120 48.7 40.0 60.0



#76

4-Chlorotoluene

Concen: 0.985 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU029831.D

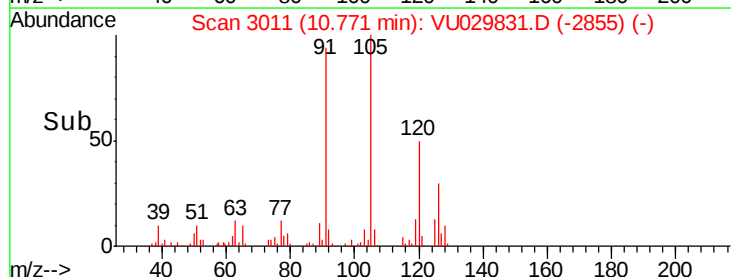
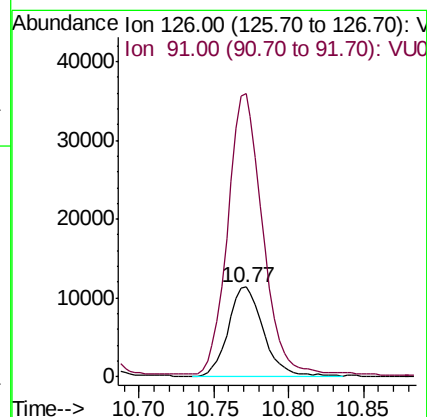
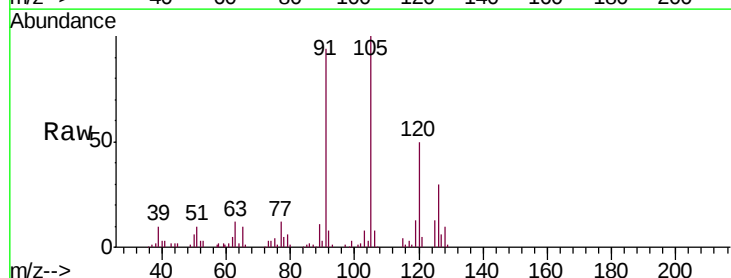
Acq: 06 Mar 2019 09:53

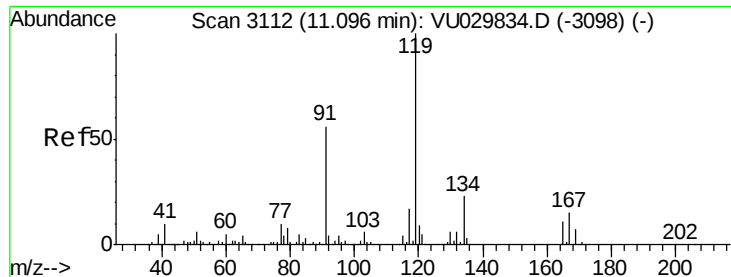
Tgt Ion:126 Resp: 18892

Ion Ratio Lower Upper

126 100

91 318.2 0.0 634.8





#77

tert-Butylbenzene

Concen: 0.987 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. -0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

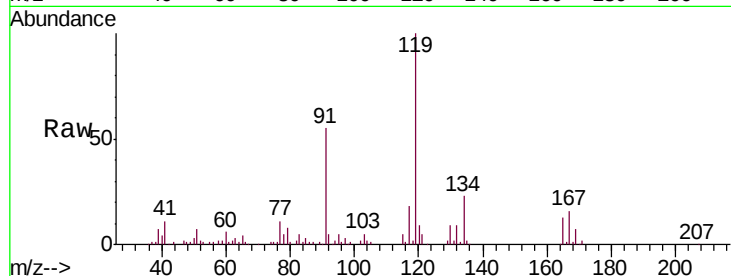
Tgt Ion:119 Resp: 62072

Ion Ratio Lower Upper

119 100

91 53.2 27.7 83.1

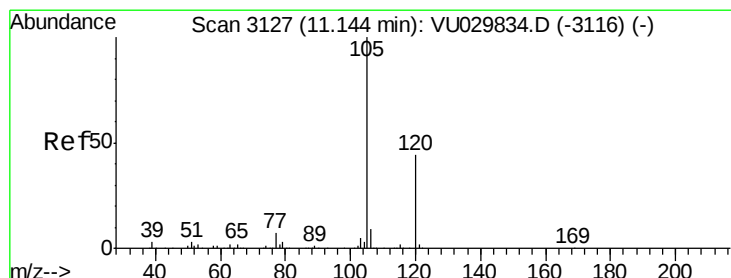
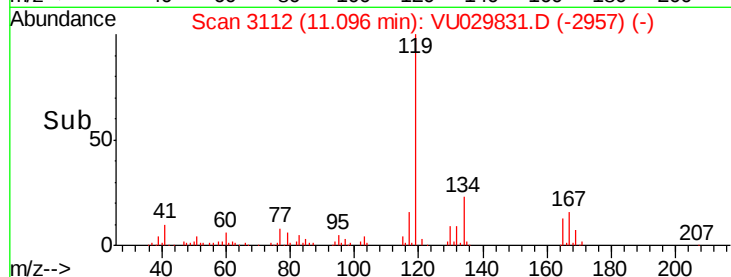
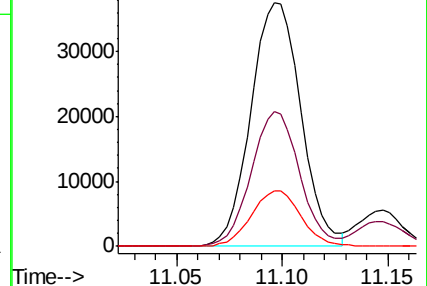
134 22.7 18.7 28.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VU0

Ion 134.00 (133.70 to 134.70): V



#78

1,2,4-Trimethylbenzene

Concen: 0.967 ug/l

RT: 11.15 min Scan# 3128

Delta R.T. 0.00 min

Lab File: VU029831.D

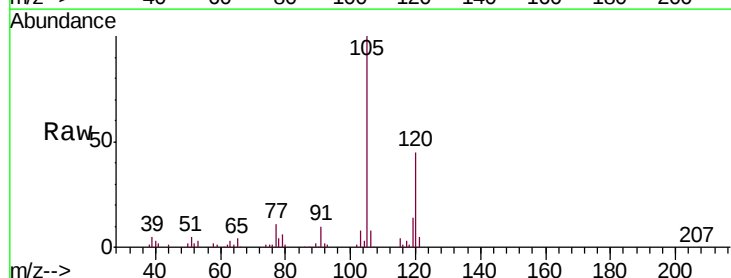
Acq: 06 Mar 2019 09:53

Tgt Ion:105 Resp: 62126

Ion Ratio Lower Upper

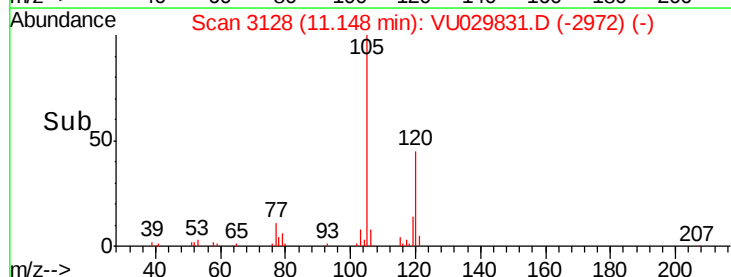
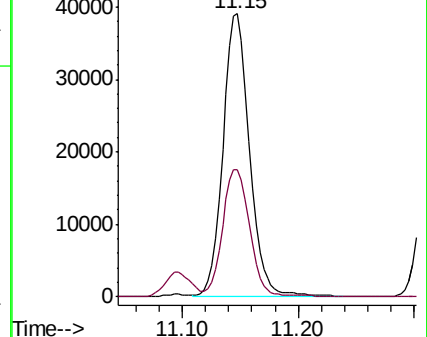
105 100

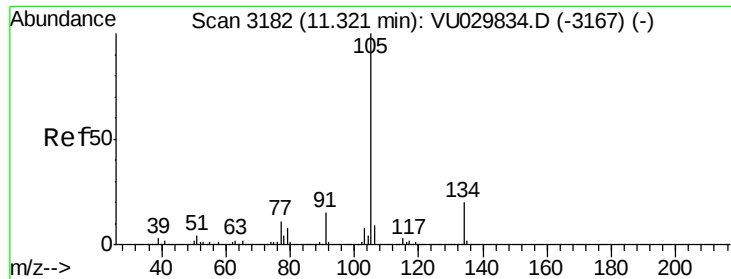
120 44.9 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 0.964 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

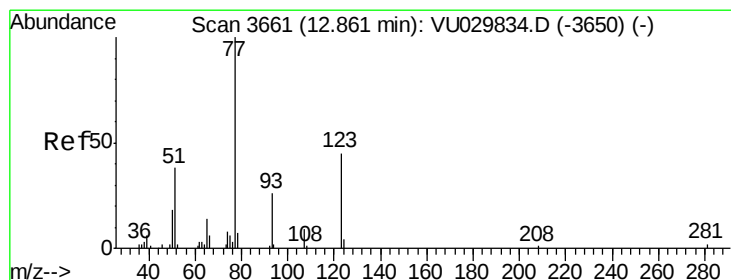
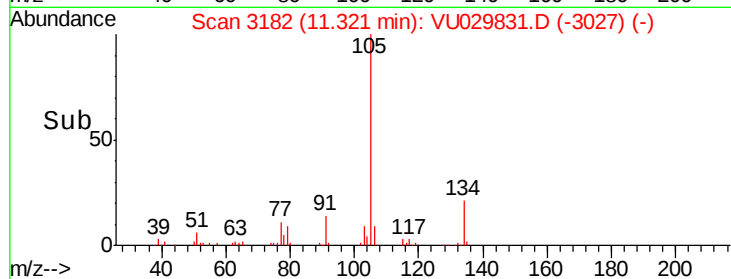
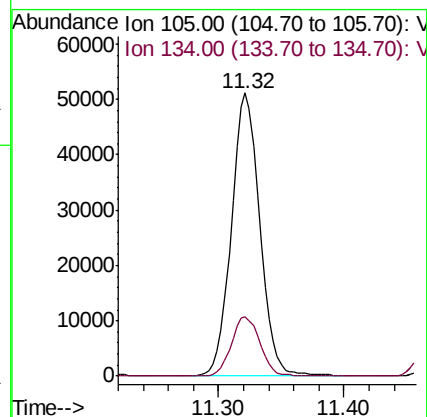
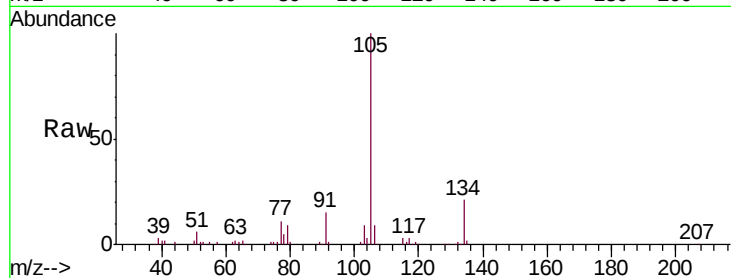
VSTDIC001

Tgt Ion: 105 Resp: 80345

Ion Ratio Lower Upper

105 100

134 21.1 16.3 24.5



#80

Nitrobenzene

Concen: 1.232 ug/l

RT: 12.88 min Scan# 3668

Delta R.T. 0.02 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

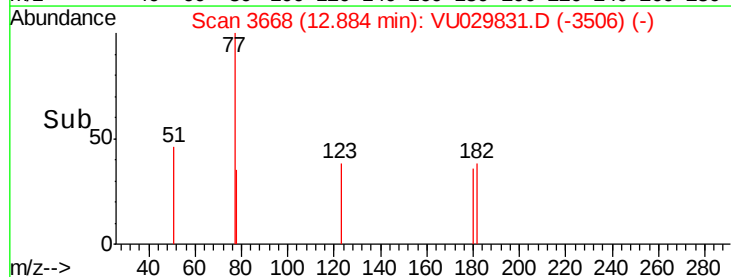
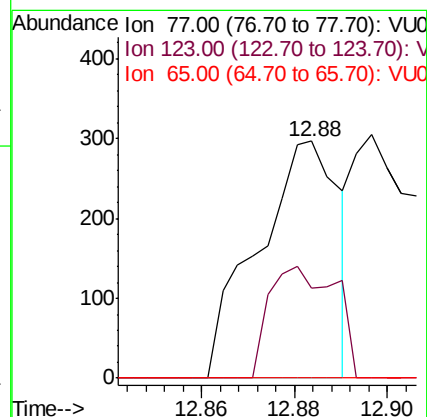
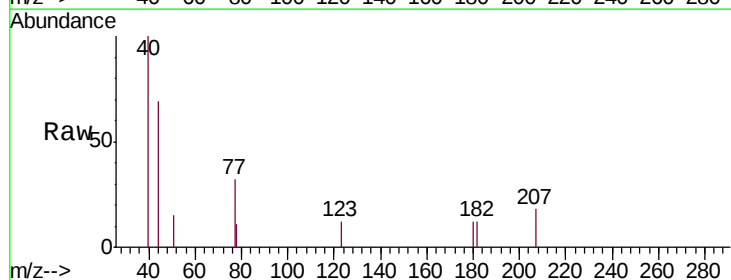
Tgt Ion: 77 Resp: 361

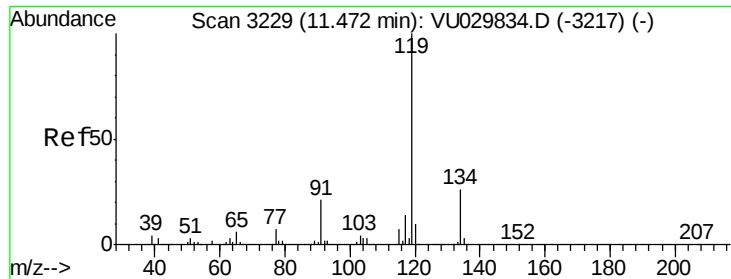
Ion Ratio Lower Upper

77 100

123 38.8 20.2 71.4

65 0.0 14.0 17.8#

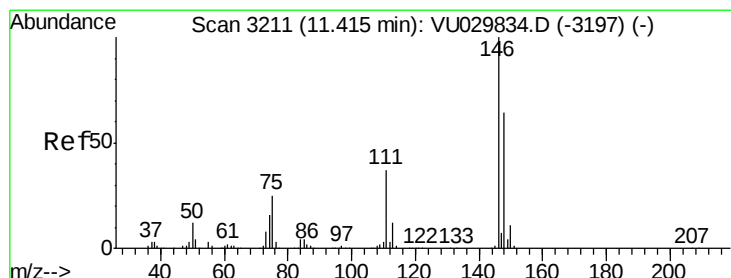
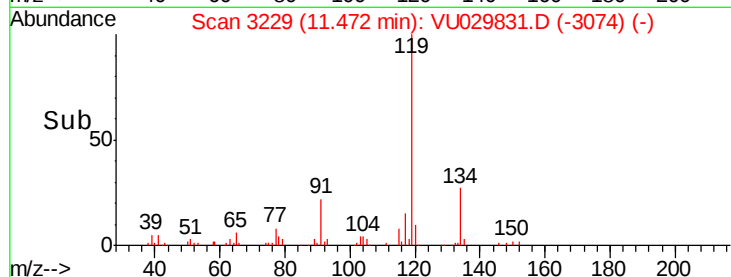
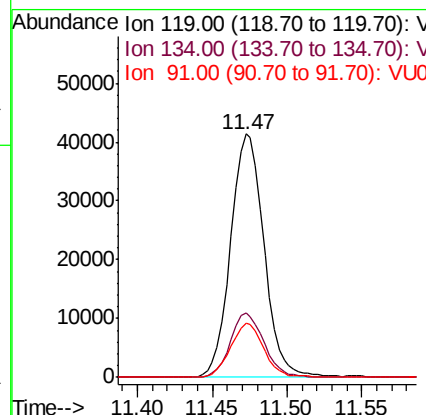
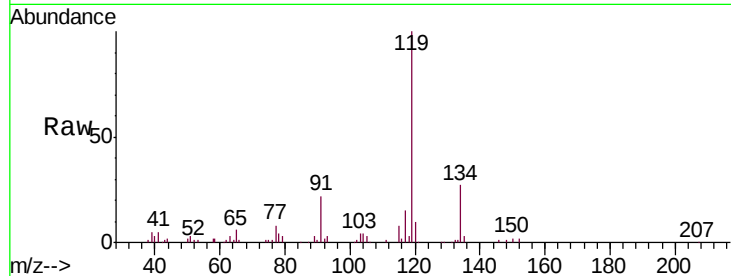




#81
 p-Isopropyltoluene
 Concen: 0.924 ug/l
 RT: 11.47 min Scan# 3229
 Delta R.T. -0.00 min
 Lab File: VU029831.D
 Acq: 06 Mar 2019 09:53

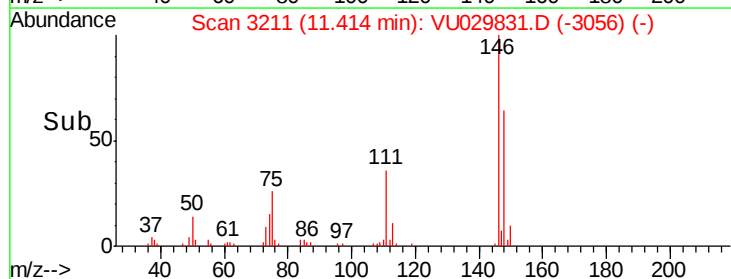
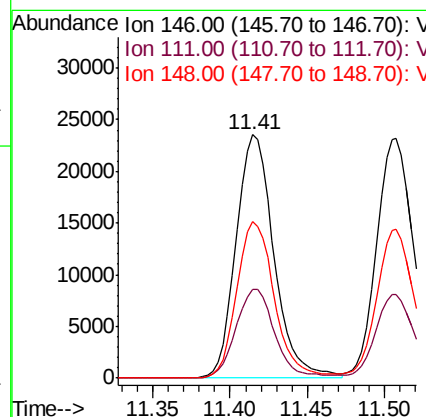
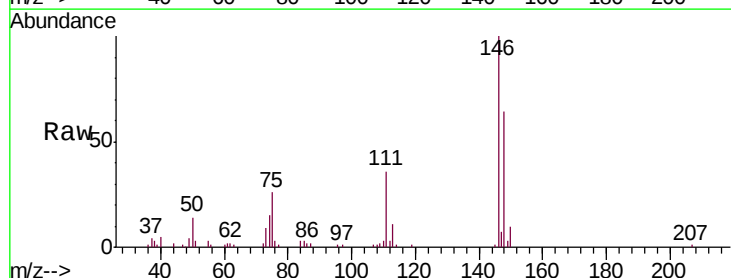
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

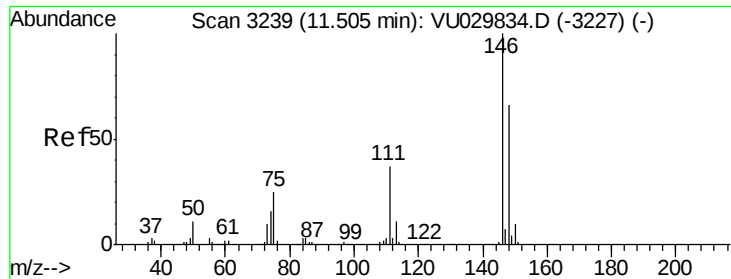
Tgt Ion:119 Resp: 64478
 Ion Ratio Lower Upper
 119 100
 134 26.7 21.2 31.8
 91 22.2 17.2 25.8



#82
 1,3-Dichlorobenzene
 Concen: 1.011 ug/l
 RT: 11.41 min Scan# 3211
 Delta R.T. -0.00 min
 Lab File: VU029831.D
 Acq: 06 Mar 2019 09:53

Tgt Ion:146 Resp: 39989
 Ion Ratio Lower Upper
 146 100
 111 37.7 30.2 45.4
 148 64.2 51.2 76.8

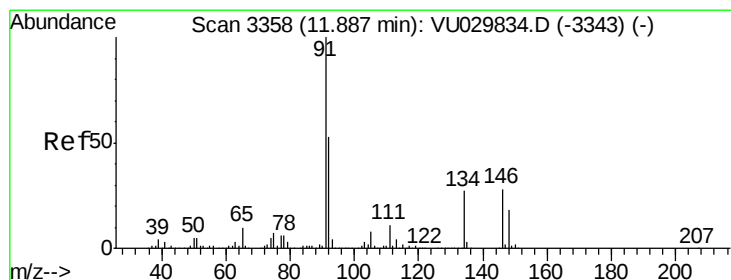
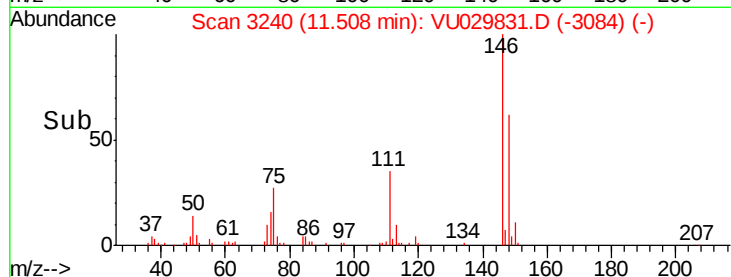
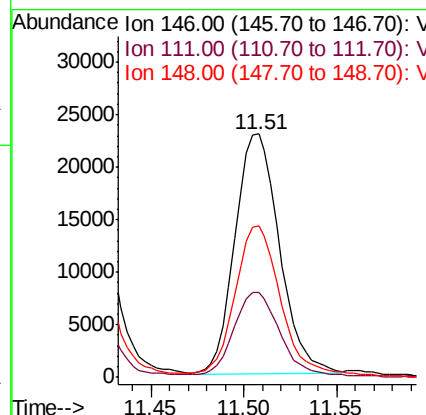
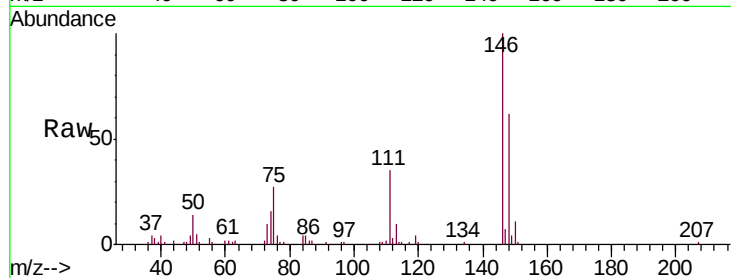




#83
 1,4-Dichlorobenzene
 Concen: 0.985 ug/l
 RT: 11.51 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU029831.D
 Acq: 06 Mar 2019 09:53

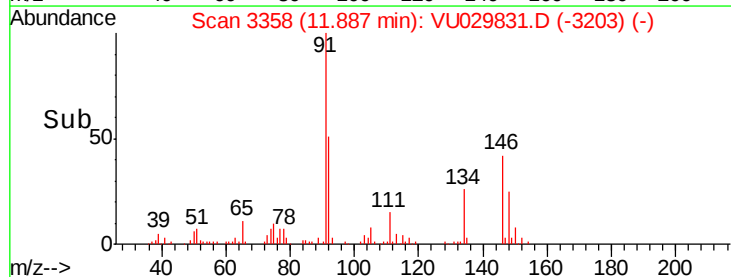
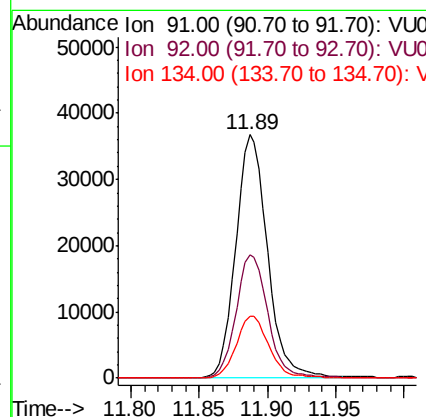
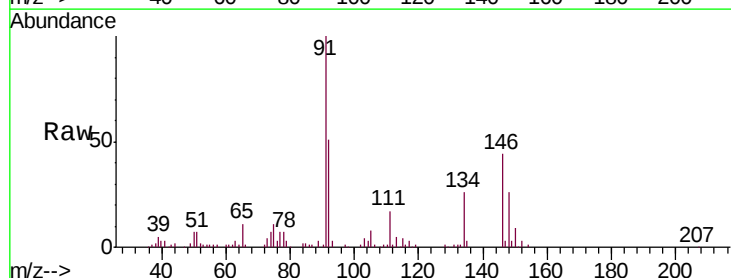
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

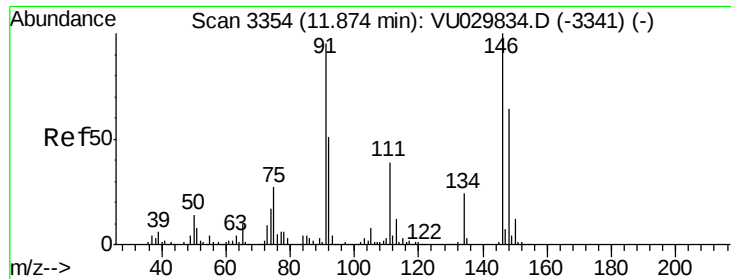
Tgt Ion: 146 Resp: 38044
 Ion Ratio Lower Upper
 146 100
 111 36.2 29.4 44.2
 148 67.0 51.7 77.5



#84
 n-Butylbenzene
 Concen: 0.936 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. -0.00 min
 Lab File: VU029831.D
 Acq: 06 Mar 2019 09:53

Tgt Ion: 91 Resp: 59469
 Ion Ratio Lower Upper
 91 100
 92 50.8 42.6 63.8
 134 26.2 21.7 32.5

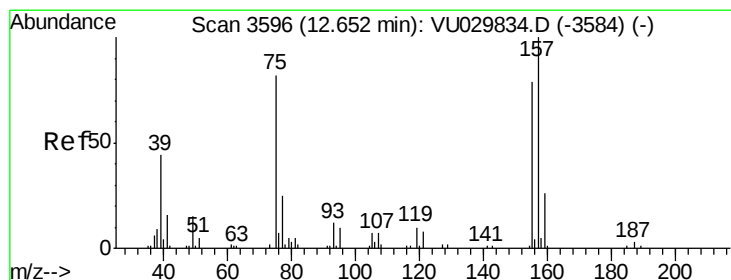
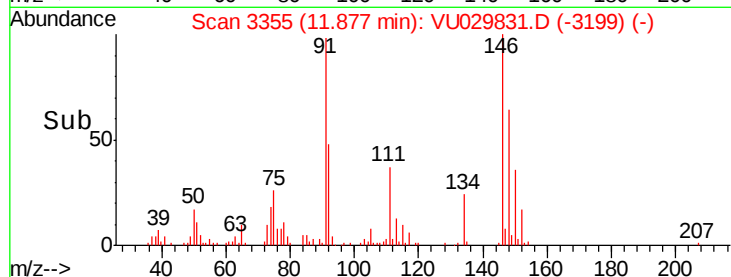
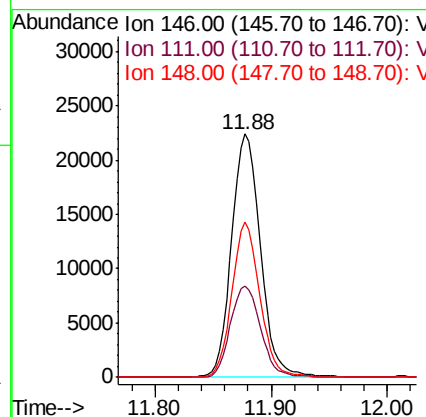
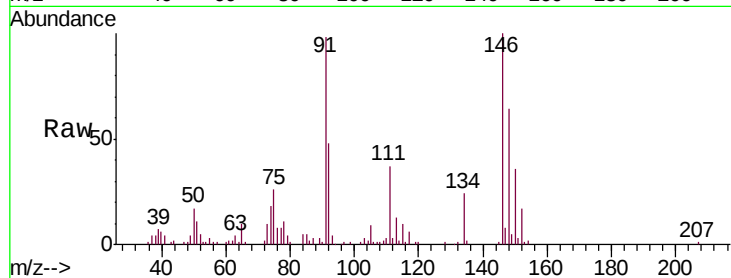




#85
 1,2-Dichlorobenzene
 Concen: 1.038 ug/l
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU029831.D
 Acq: 06 Mar 2019 09:53

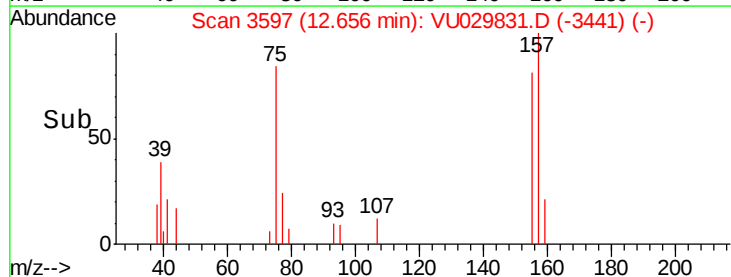
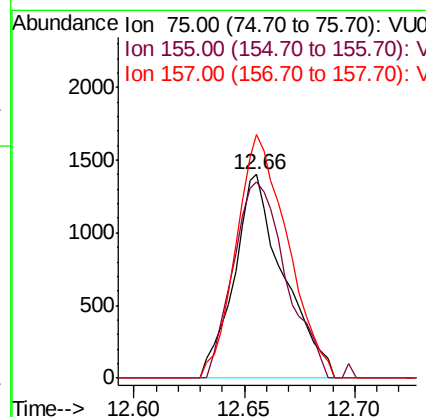
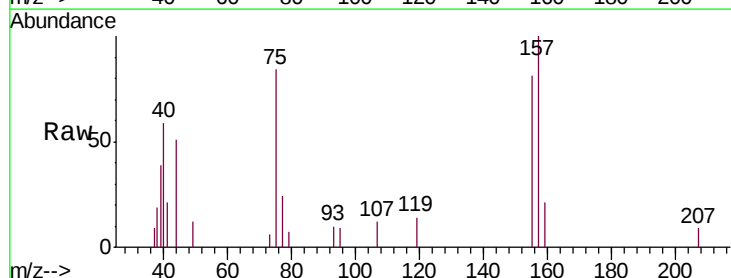
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

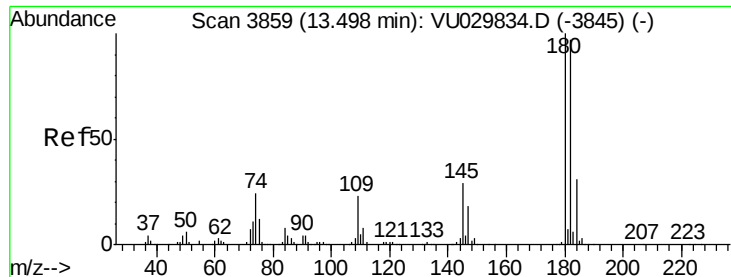
Tgt Ion: 146 Resp: 38699
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.9 59.6
 148 61.3 32.1 96.3



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.000 ug/l
 RT: 12.66 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VU029831.D
 Acq: 06 Mar 2019 09:53

Tgt Ion: 75 Resp: 2191
 Ion Ratio Lower Upper
 75 100
 155 102.5 76.6 114.8
 157 124.2 96.2 144.2





#87

1,2,4-Trichlorobenzene

Concen: 0.961 ug/l

RT: 13.50 min Scan# 3861

Delta R.T. 0.01 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

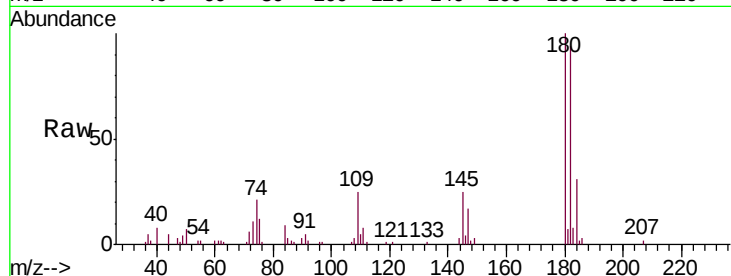
Tgt Ion:180 Resp: 22937

Ion Ratio Lower Upper

180 100

182 92.6 77.5 116.3

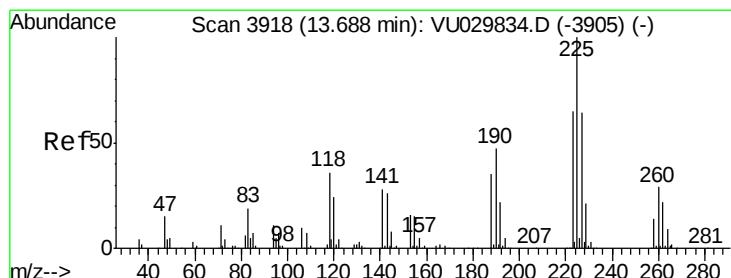
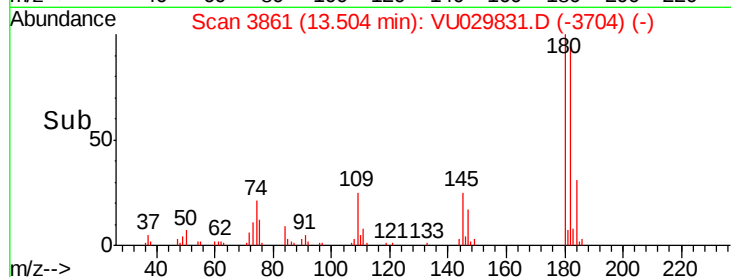
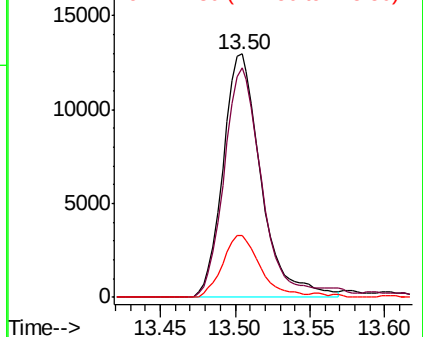
145 25.3 23.6 35.4



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#88

Hexachlorobutadiene

Concen: 1.076 ug/l

RT: 13.69 min Scan# 3919

Delta R.T. 0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

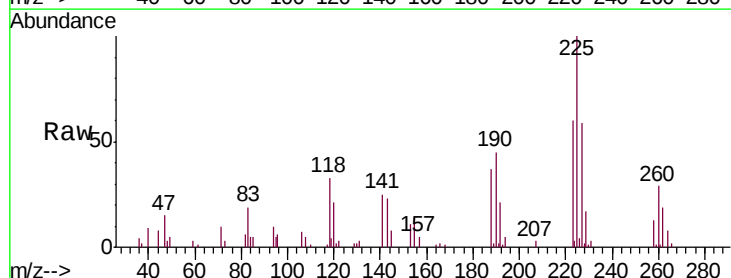
Tgt Ion:225 Resp: 16178

Ion Ratio Lower Upper

225 100

223 57.1 51.2 76.8

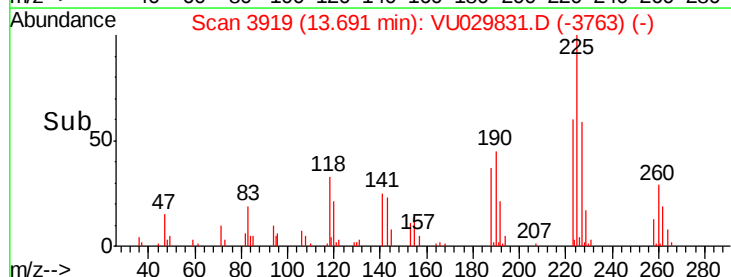
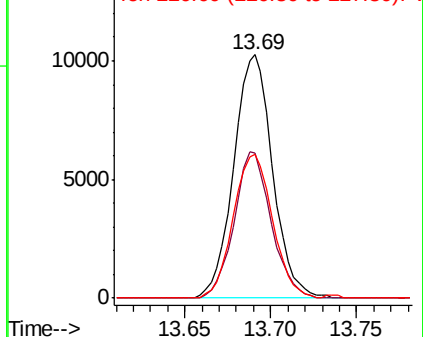
227 59.5 50.9 76.3

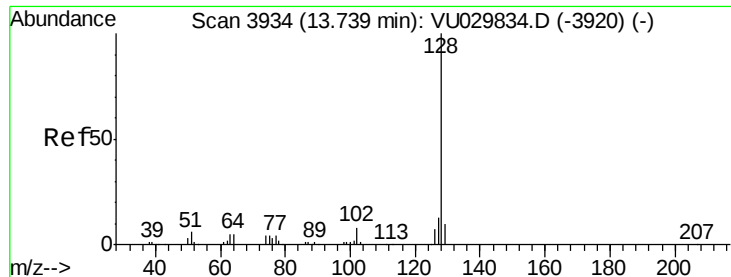


Abundance Ion 224.60 (224.30 to 225.30): V

Ion 222.60 (222.30 to 223.30): V

Ion 226.60 (226.30 to 227.30): V





#89

Naphthalene

Concen: 0.884 ug/l

RT: 13.74 min Scan# 3935

Delta R.T. 0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

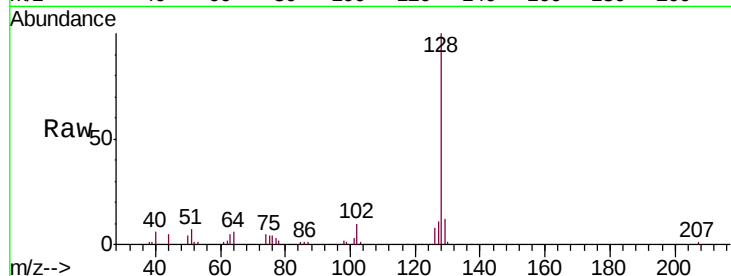
Tgt Ion:128 Resp: 33723

Ion Ratio Lower Upper

128 100

127 11.1 10.2 15.4

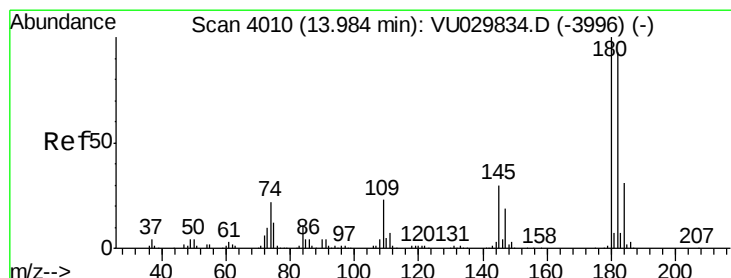
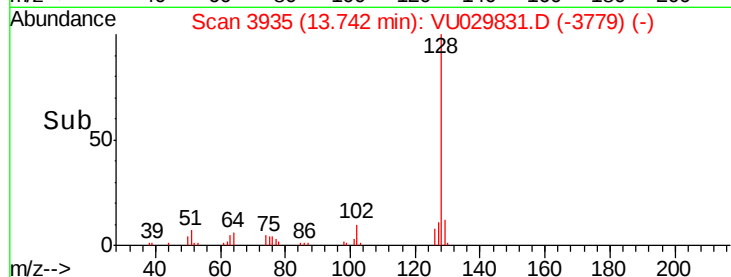
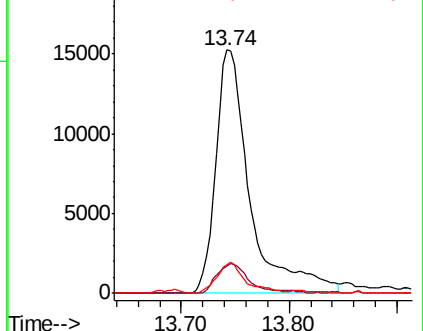
129 10.6 8.2 12.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#90

1,2,3-Trichlorobenzene

Concen: 1.004 ug/l

RT: 13.99 min Scan# 4011

Delta R.T. 0.00 min

Lab File: VU029831.D

Acq: 06 Mar 2019 09:53

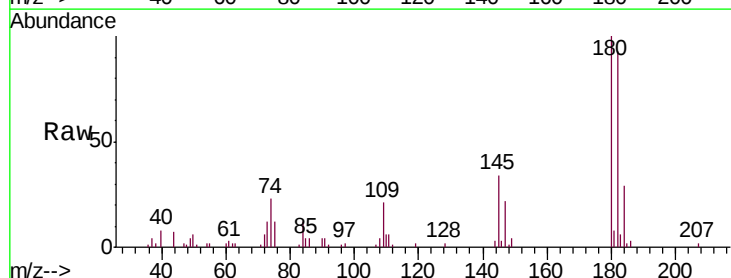
Tgt Ion:180 Resp: 22526

Ion Ratio Lower Upper

180 100

182 84.6 74.8 112.2

145 31.0 24.6 36.8



Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

