

Data File : VU033129.D
Acq On : 02 Jul 2019 09:41
Operator : JC/SP
Sample : VSTD00504
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

Quant Time: Jul 03 01:28:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 03 01:24:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	97532	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	98800	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	53119	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	28655	4.50	ug/L	0.00
7) Chloroethane-d5	1.68	69	25479	4.87	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	66660	4.80	ug/L	0.00
20) 2-Butanone-d5	4.19	46	104660	53.11	ug/L	0.00
24) Chloroform-d	4.64	84	66586	4.96	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	37433	4.90	ug/L	0.00
32) Benzene-d6	5.33	84	119949	4.96	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	39463	5.00	ug/L	0.00
41) Toluene-d8	7.56	98	115151	4.96	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	16903	5.13	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	71213	52.06	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	33811	4.99	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	47234	4.75	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	49332	4.942 ug/L	100
3) Chloromethane	1.32	50	47089	4.951 ug/L	100
5) Vinyl chloride	1.40	62	46489	4.872 ug/L	100
6) Bromomethane	1.63	94	27739	5.386 ug/L	100
8) Chloroethane	1.69	64	28167	5.059 ug/L	100
9) Trichlorofluoromethane	1.88	101	68193	5.052 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	34882	4.998 ug/L	100
12) 1,1-Dichloroethene	2.28	96	31800	4.912 ug/L	100
13) Acetone	2.33	43	79126	47.881 ug/L	100
14) Carbon disulfide	2.47	76	103551	4.820 ug/L	100
15) Methyl Acetate	2.62	43	19058	4.961 ug/L	100
16) Methylene chloride	2.69	84	36570	4.899 ug/L	100
17) Methyl tert-butyl Ether	3.00	73	90028	4.963 ug/L	100
18) trans-1,2-Dichloroethene	2.97	96	34355	4.842 ug/L	100
19) 1,1-Dichloroethane	3.43	63	69387	4.968 ug/L	100
21) 2-Butanone	4.28	43	119747	51.112 ug/L	100
22) cis-1,2-Dichloroethene	4.22	96	39341	5.065 ug/L	100
23) Bromochloromethane	4.54	128	18183	5.301 ug/L	100
25) Chloroform	4.67	83	73694	5.148 ug/L	100
27) 1,2-Dichloroethane	5.40	62	49692	5.080 ug/L	100
29) 1,1,1-Trichloroethane	4.91	97	63452	5.046 ug/L	100
30) Cyclohexane	4.98	56	57545	4.967 ug/L	100
31) Carbon tetrachloride	5.12	117	55757	4.914 ug/L	100
33) Benzene	5.38	78	146599	5.045 ug/L	100
34) Trichloroethene	6.18	95	39948	5.020 ug/L	100
35) Methylcyclohexane	6.41	83	59252	4.973 ug/L	100
37) 1,2-Dichloropropane	6.43	63	40353	5.160 ug/L	100
38) Bromodichloromethane	6.75	83	51701	5.029 ug/L	100
39) cis-1,3-Dichloropropene	7.26	75	56793	4.972 ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	282651	52.311 ug/L	100

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	159711	5.137	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	47231	5.115	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	28317	5.141	ug/L	100
47) Tetrachloroethene	8.22	164	33033	5.151	ug/L	100
48) 2-Hexanone	8.36	43	203831	52.837	ug/L	100
49) Dibromochloromethane	8.47	129	34419	4.985	ug/L	100
50) 1,2-Dibromoethane	8.58	107	27587	5.157	ug/L	100
51) Chlorobenzene	9.11	112	101981	4.959	ug/L	100
52) Ethylbenzene	9.24	91	169974	4.974	ug/L	100
53) m,p-Xylene	9.37	106	63391	5.110	ug/L	100
54) o-Xylene	9.77	106	61333	5.085	ug/L	100
55) Styrene	9.79	104	104795	5.136	ug/L	100
56) Isopropylbenzene	10.16	105	166918	5.070	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	35008	4.965	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	26538	5.089	ug/L	100
61) Bromoform	9.95	173	19777	4.921	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	82570	4.971	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	83774	4.828	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	81339	5.038	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.65	75	5441	5.000	ug/L	100
67) 1,3,5-Trichlorobenzene	12.88	180	64515	4.912	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	47458	5.093	ug/L	100
69) Naphthalene	13.74	128	64365	4.697	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	44720	4.920	ug/L	100

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

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Instrument :
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VSTD00504

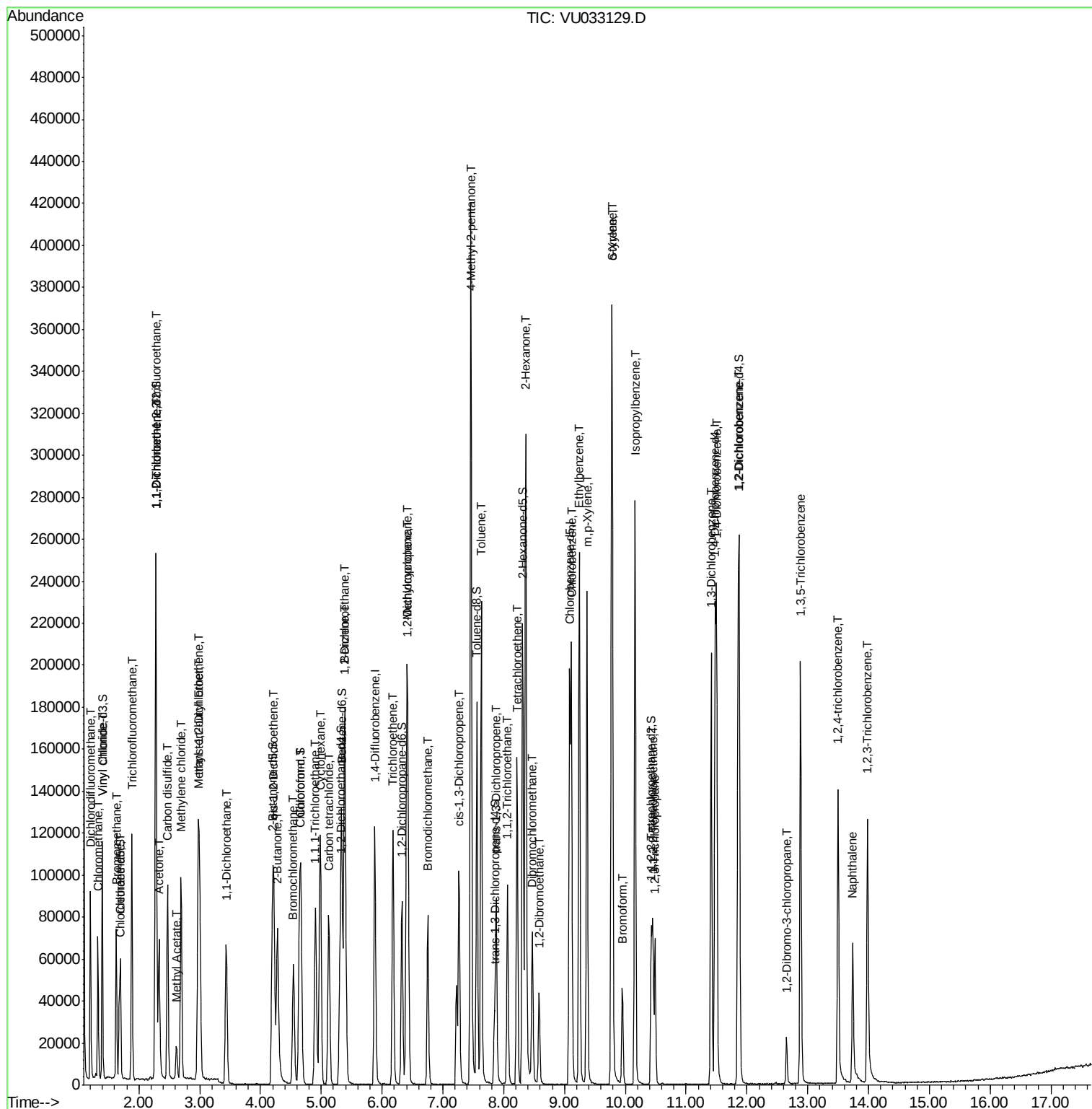
Quant Time: Jul 03 01:28:39 2019

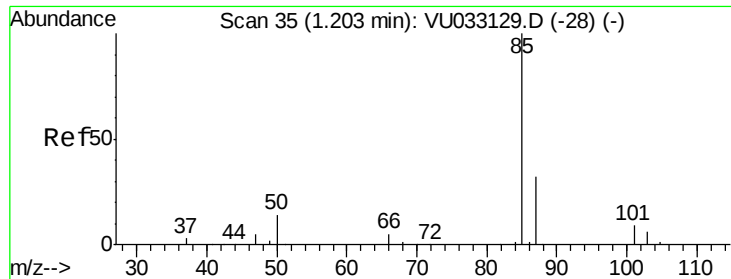
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMUTR070219WMA.M

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#2

Dichlorodifluoromethane

Concen: 4.942 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU033129.D

Acq: 02 Jul 2019 09:41

Instrument :

MSVOA_U

ClientSampleId :

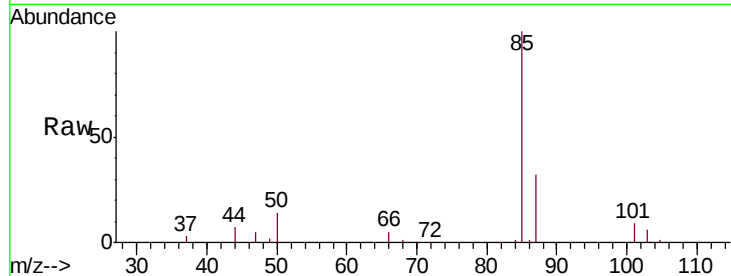
VSTD00504

Tgt Ion: 85 Resp: 49332

Ion Ratio Lower Upper

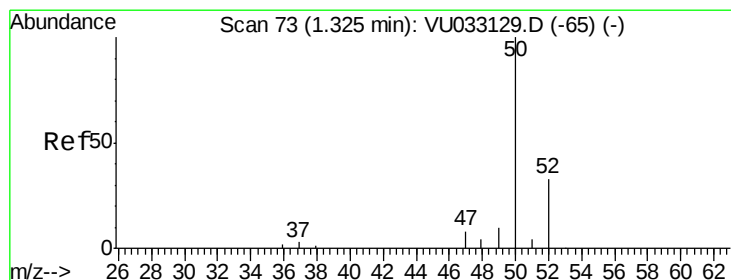
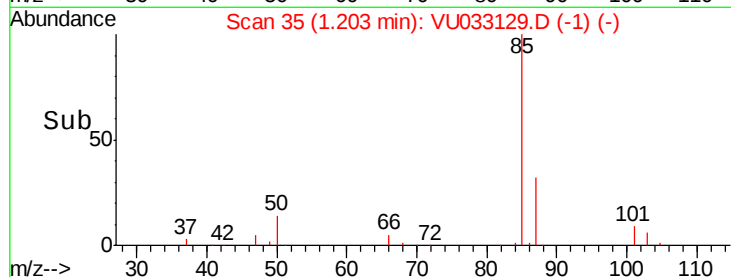
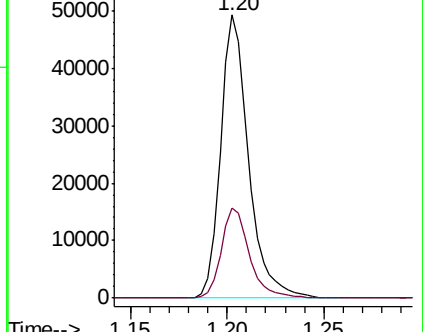
85 100

87 32.3 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU033129.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU033129.D (-28) (-)



#3

Chloromethane

Concen: 4.951 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU033129.D

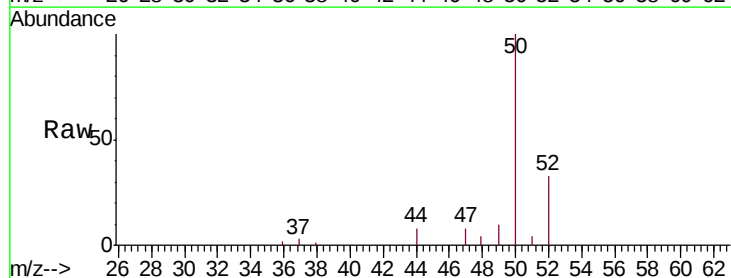
Acq: 02 Jul 2019 09:41

Tgt Ion: 50 Resp: 47089

Ion Ratio Lower Upper

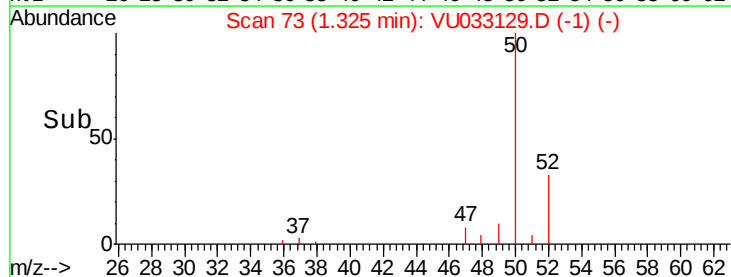
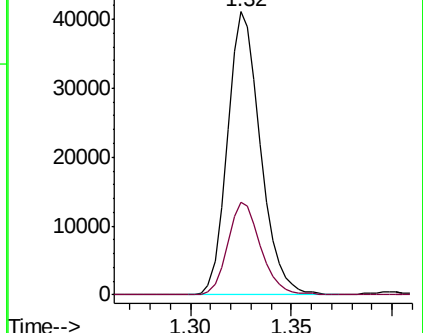
50 100

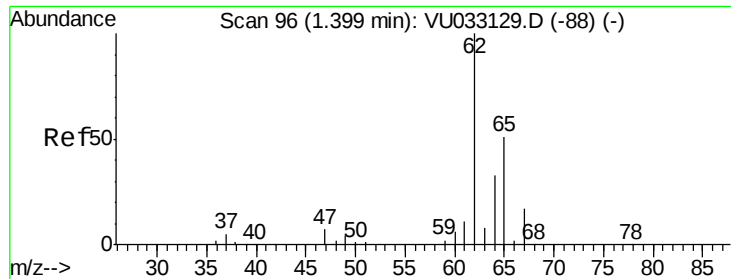
52 32.8 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU033129.D (-65) (-)

Ion 52.05 (51.75 to 52.75): VU033129.D (-65) (-)





#5

Vinyl chloride

Concen: 4.872 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU033129.D

Acq: 02 Jul 2019 09:41

Instrument :

MSVOA_U

ClientSampleId :

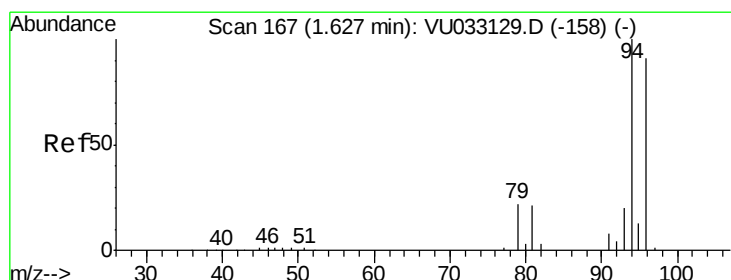
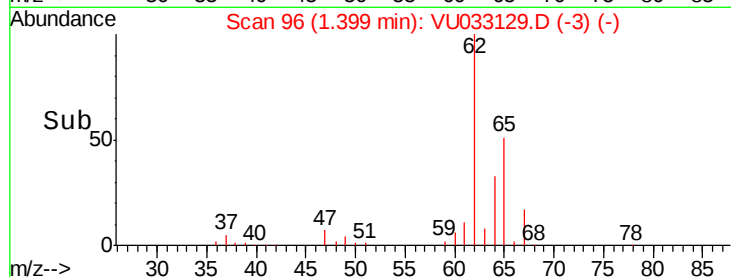
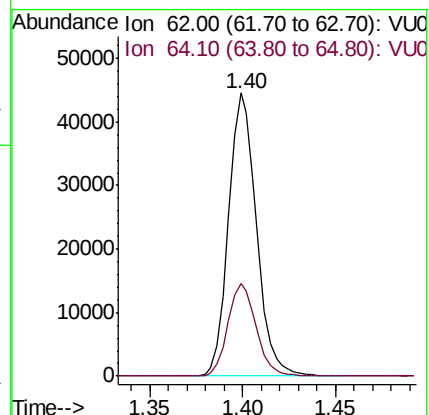
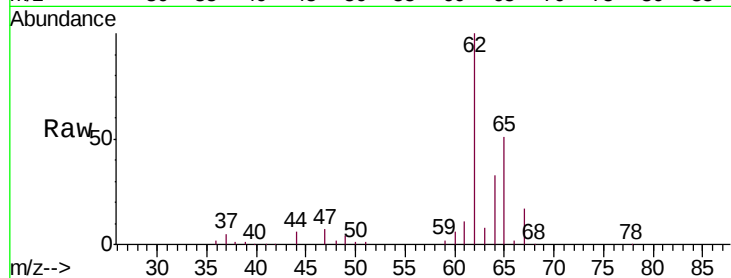
VSTD00504

Tgt Ion: 62 Resp: 46489

Ion Ratio Lower Upper

62 100

64 32.8 23.0 42.6



#6

Bromomethane

Concen: 5.386 ug/L

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU033129.D

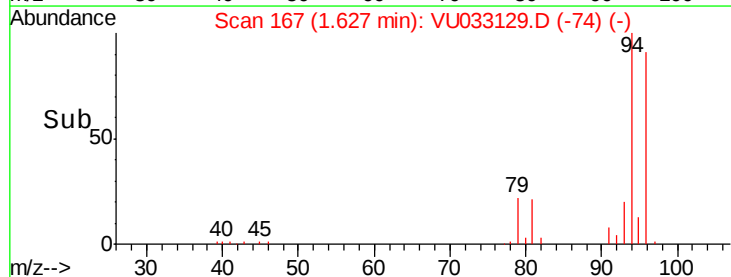
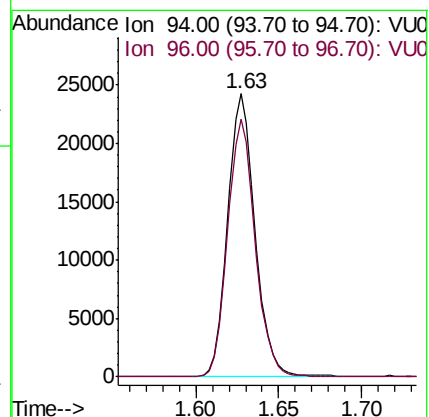
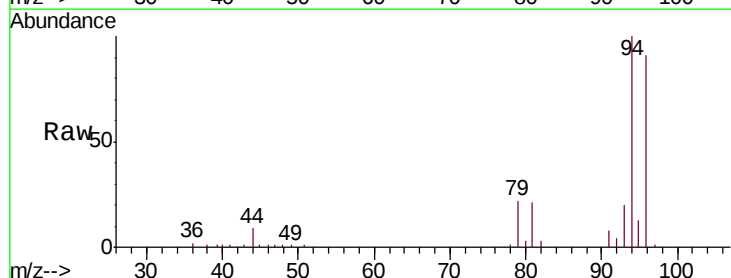
Acq: 02 Jul 2019 09:41

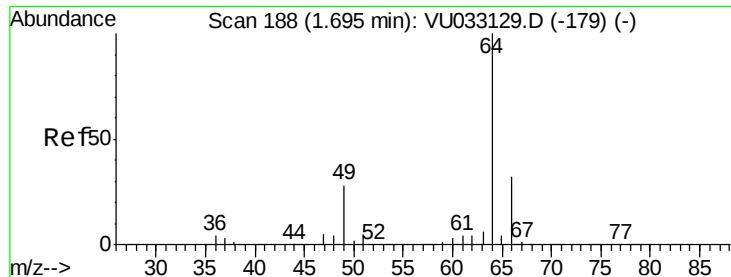
Tgt Ion: 94 Resp: 27739

Ion Ratio Lower Upper

94 100

96 91.0 63.7 118.3





#8

Chloroethane

Concen: 5.059 ug/L

RT: 1.69 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU033129.D

Acq: 02 Jul 2019 09:41

Instrument :

MSVOA_U

ClientSampleId :

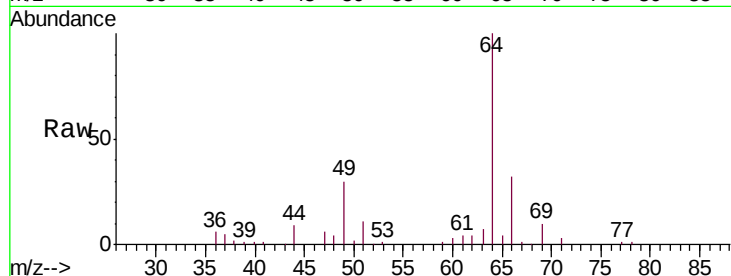
VSTD00504

Tgt Ion: 64 Resp: 28167

Ion Ratio Lower Upper

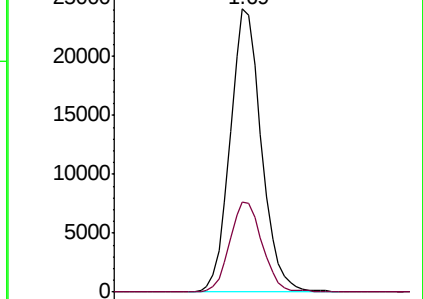
64 100

66 31.9 22.3 41.5

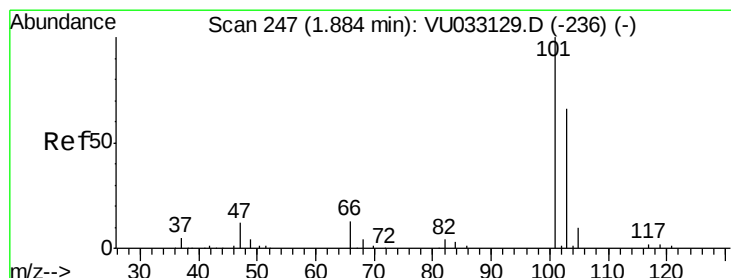
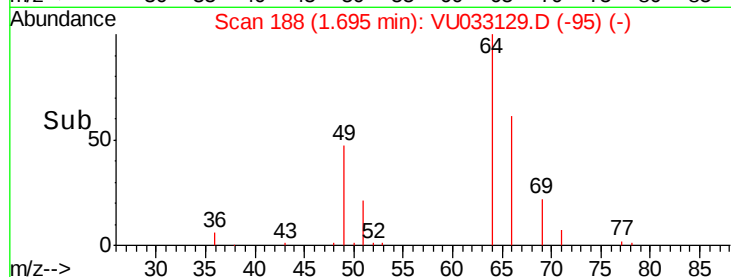


Abundance Ion 64.10 (63.80 to 64.80): VU033129.D (-179) (-)

Ion 66.05 (65.75 to 66.75): VU033129.D (-179) (-)



Time-->



#9

Trichlorofluoromethane

Concen: 5.052 ug/L

RT: 1.88 min Scan# 247

Delta R.T. 0.00 min

Lab File: VU033129.D

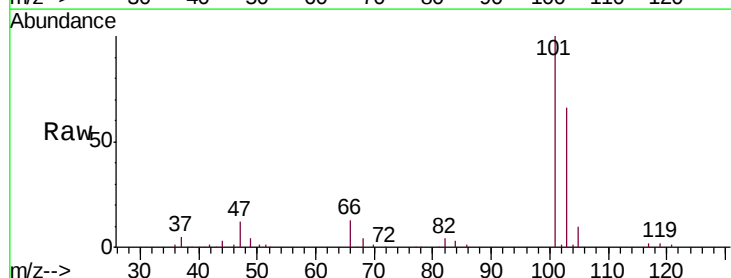
Acq: 02 Jul 2019 09:41

Tgt Ion: 101 Resp: 68193

Ion Ratio Lower Upper

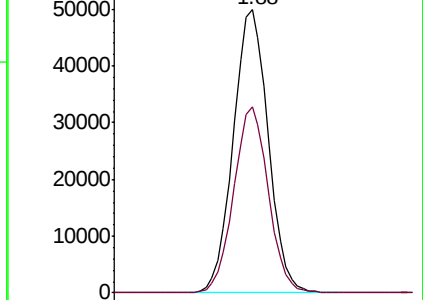
101 100

103 64.9 51.9 77.9

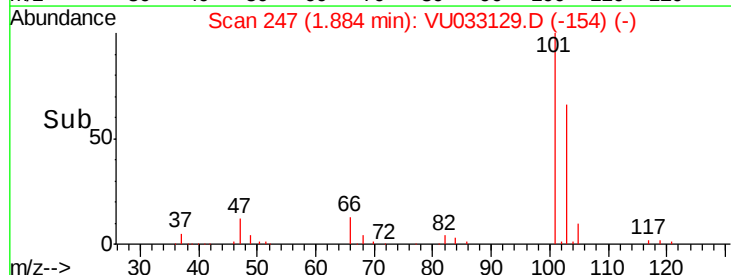


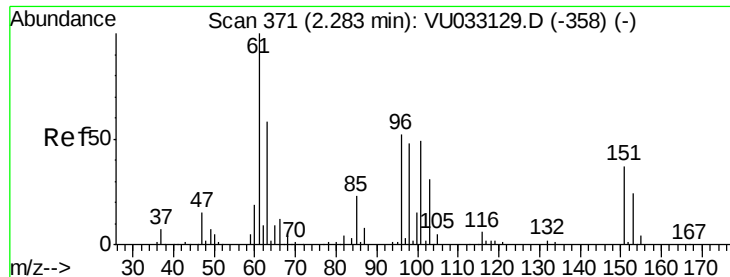
Abundance Ion 101.00 (100.70 to 101.70): VU033129.D (-236) (-)

Ion 103.00 (102.70 to 103.70): VU033129.D (-236) (-)



Time-->





#10

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

Concen: 4.998 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU033129.D

Acq: 02 Jul 2019 09:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

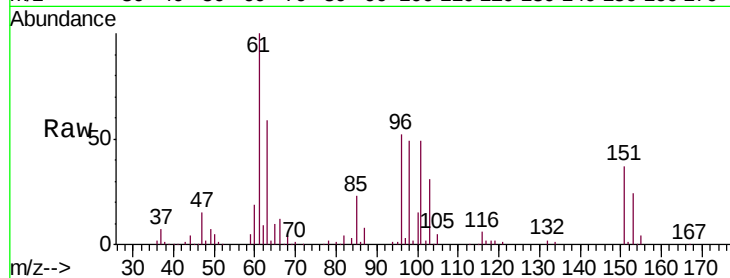
Tgt Ion:101 Resp: 34882

Ion Ratio Lower Upper

101 100

85 47.5 38.0 57.0

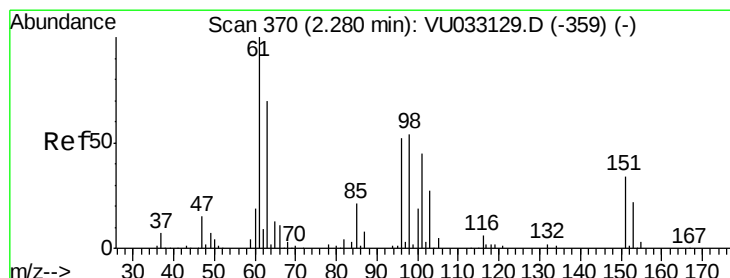
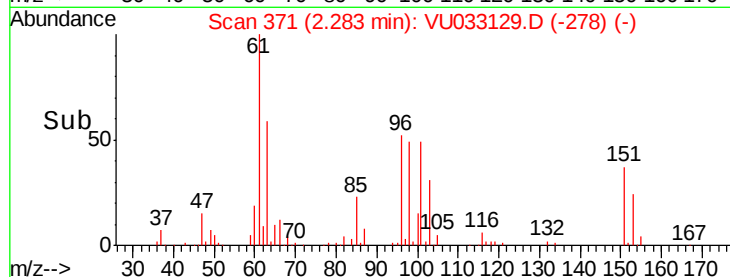
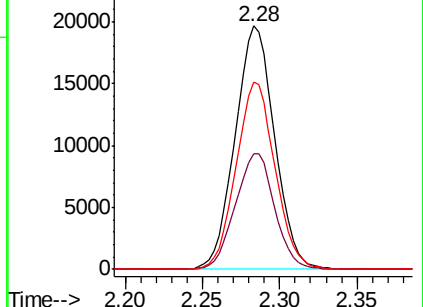
151 75.8 60.6 91.0



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



#12

1,1-Dichloroethene

Concen: 4.912 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU033129.D

Acq: 02 Jul 2019 09:41

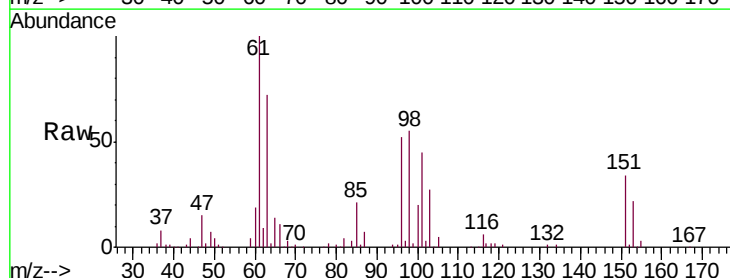
Tgt Ion: 96 Resp: 31800

Ion Ratio Lower Upper

96 100

61 193.6 135.5 251.7

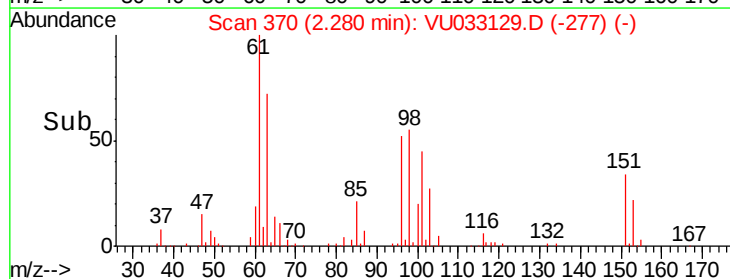
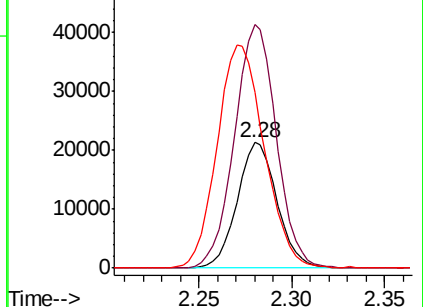
63 140.0 98.0 182.0

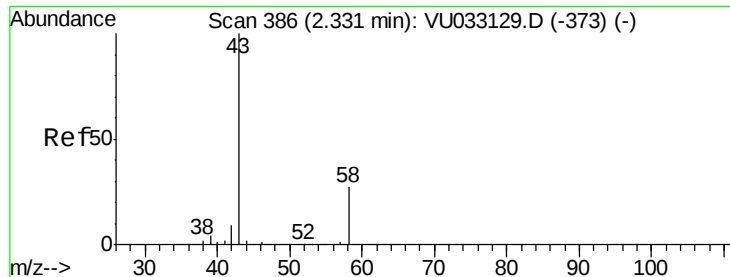


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 47.881 ug/L

RT: 2.33 min Scan# 386

Delta R.T. 0.00 min

Lab File: VU033129.D

Acq: 02 Jul 2019 09:41

Instrument :

MSVOA_U

ClientSampleId :

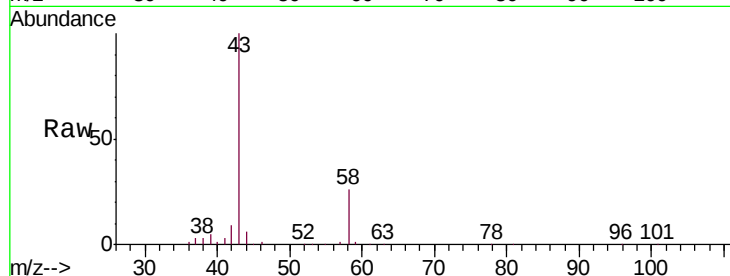
VSTD00504

Tgt Ion: 43 Resp: 79126

Ion Ratio Lower Upper

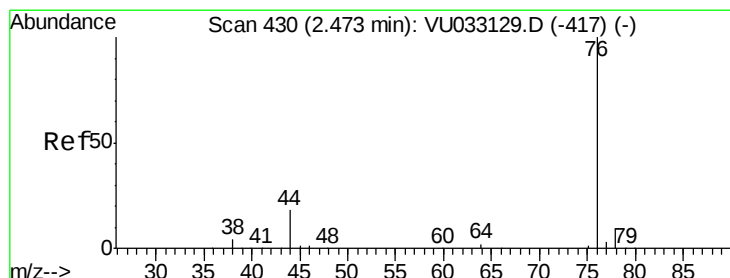
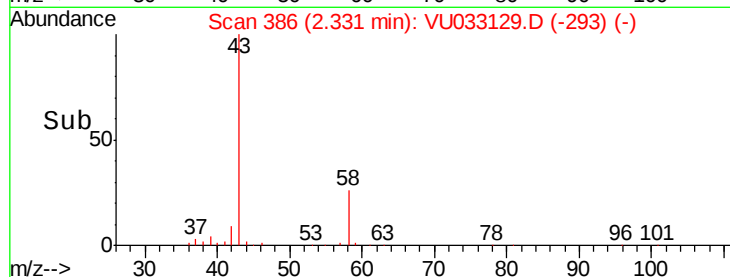
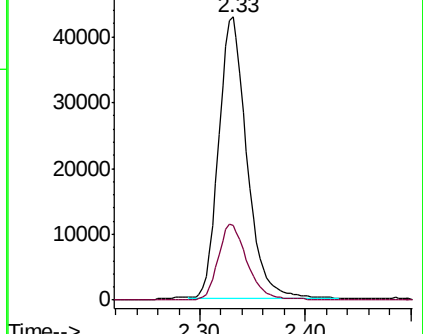
43 100

58 27.7 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU033129.D (-373) (-)

Ion 58.05 (57.75 to 58.75): VU033129.D (-373) (-)



#14

Carbon disulfide

Concen: 4.820 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU033129.D

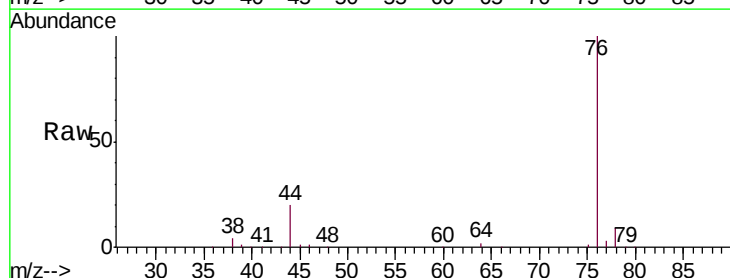
Acq: 02 Jul 2019 09:41

Tgt Ion: 76 Resp: 103551

Ion Ratio Lower Upper

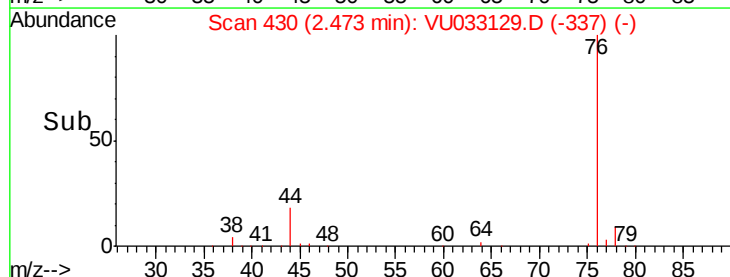
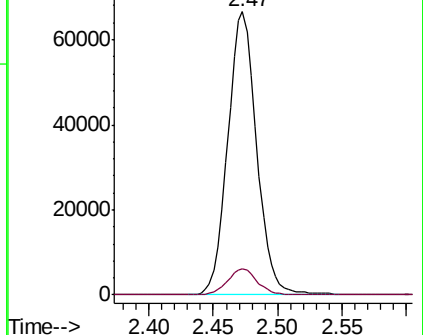
76 100

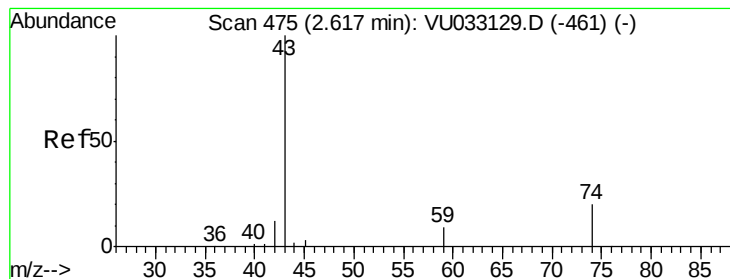
78 9.0 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU033129.D (-417) (-)

Ion 78.00 (77.70 to 78.70): VU033129.D (-417) (-)





#15

Methyl Acetate

Concen: 4.961 ug/L

RT: 2.62 min Scan# 475

Delta R.T. 0.00 min

Lab File: VU033129.D

Acq: 02 Jul 2019 09:41

Instrument :

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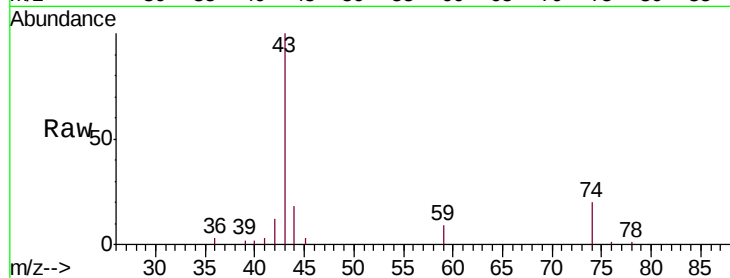
VSTD00504

Tgt Ion: 43 Resp: 19058

Ion Ratio Lower Upper

43 100

74 21.0 16.8 25.2



Abundance Ion 43.05 (42.75 to 43.75): VU033129.D (-461) (-)

Ion 74.05 (73.75 to 74.75): VU033129.D (-461) (-)

2.62

12000

10000

8000

6000

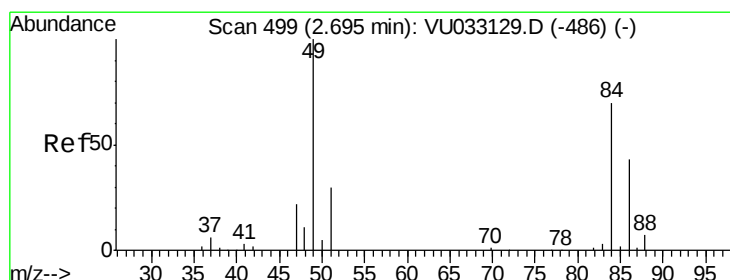
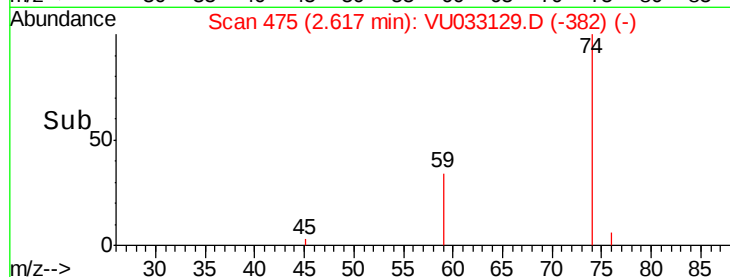
4000

2000

0

Time-->

2.55 2.60 2.65 2.70



#16

Methylene chloride

Concen: 4.899 ug/L

RT: 2.69 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU033129.D

Acq: 02 Jul 2019 09:41

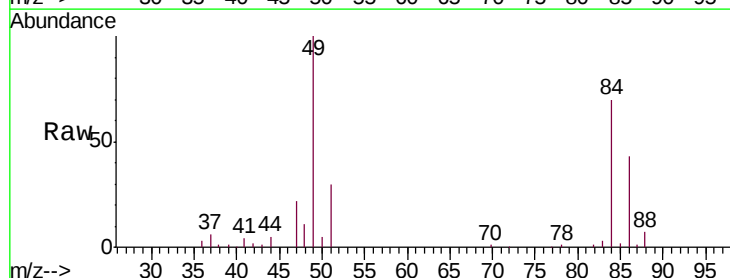
Tgt Ion: 84 Resp: 36570

Ion Ratio Lower Upper

84 100

86 61.2 42.8 79.6

49 142.2 99.5 184.9



Abundance Ion 84.05 (83.75 to 84.75): VU033129.D (-486) (-)

Ion 86.00 (85.70 to 86.70): VU033129.D (-486) (-)

Ion 49.10 (48.80 to 49.80): VU033129.D (-486) (-)

2.69

40000

30000

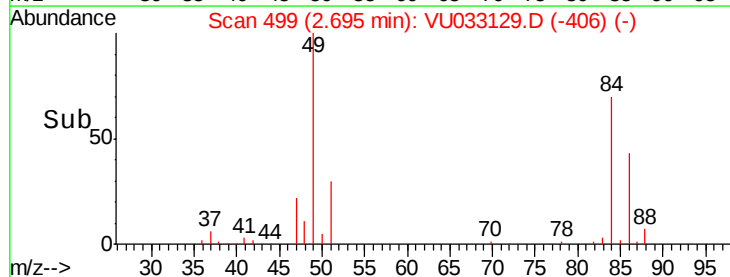
20000

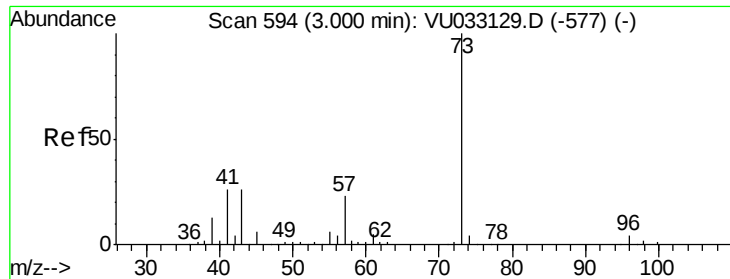
10000

0

Time-->

2.60 2.65 2.70 2.75 2.80

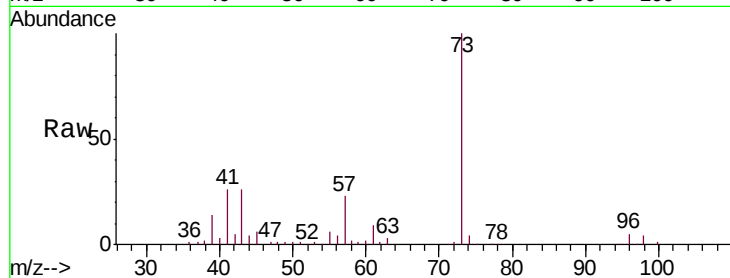




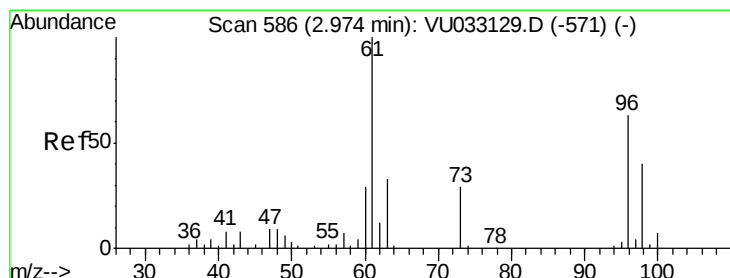
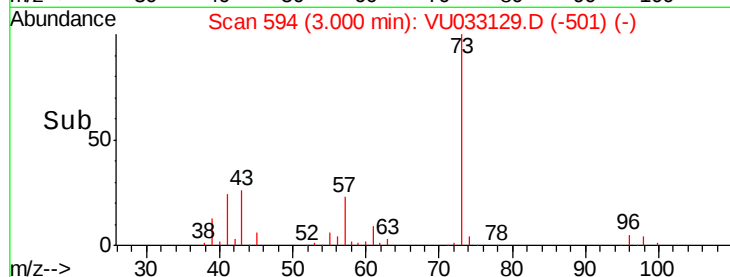
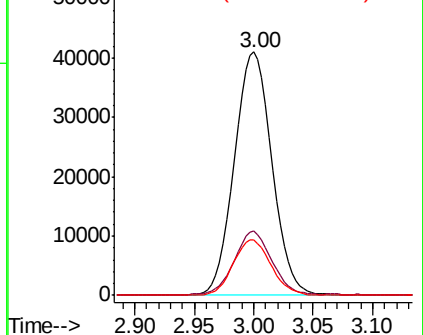
#17
Methyl tert-butyl Ether
Concen: 4.963 ug/L
RT: 3.00 min Scan# 594
Delta R.T. 0.00 min
Lab File: VU033129.D
Acq: 02 Jul 2019 09:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

Tgt Ion: 73 Resp: 90028
Ion Ratio Lower Upper
73 100
43 25.7 20.6 30.8
57 22.9 18.3 27.5

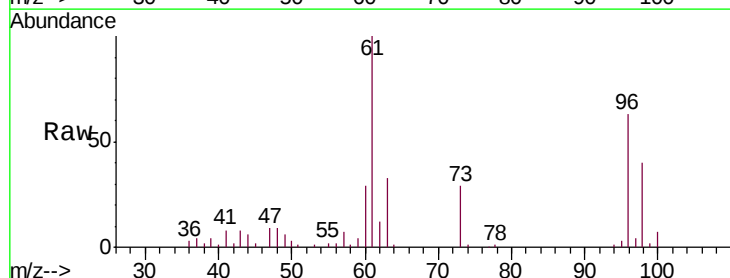


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

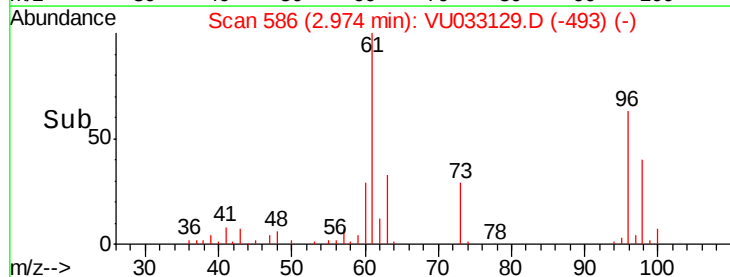
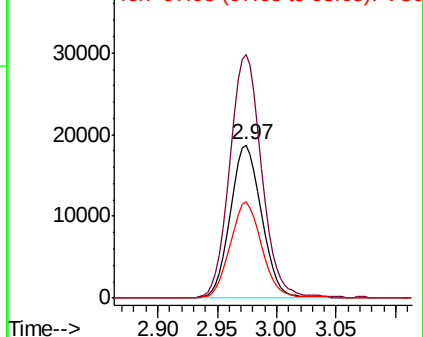


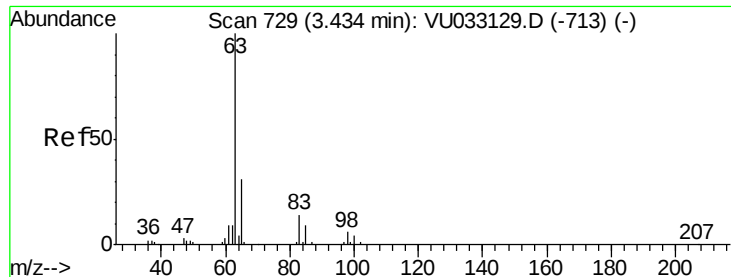
#18
trans-1,2-Dichloroethene
Concen: 4.842 ug/L
RT: 2.97 min Scan# 586
Delta R.T. 0.00 min
Lab File: VU033129.D
Acq: 02 Jul 2019 09:41

Tgt Ion: 96 Resp: 34355
Ion Ratio Lower Upper
96 100
61 159.0 111.3 206.7
98 62.9 44.0 81.8



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 4.968 ug/L

RT: 3.43 min Scan# 729

Delta R.T. 0.00 min

Lab File: VU033129.D

Acq: 02 Jul 2019 09:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

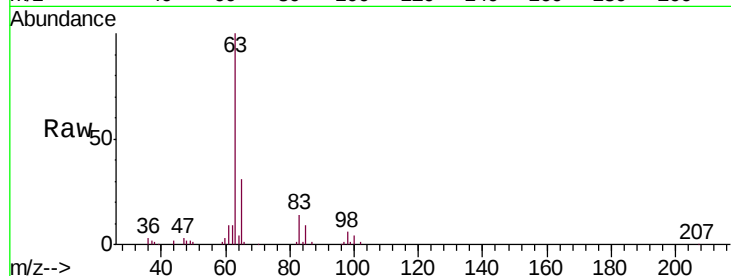
Tgt Ion: 63 Resp: 69387

Ion Ratio Lower Upper

63 100

65 30.6 21.4 39.8

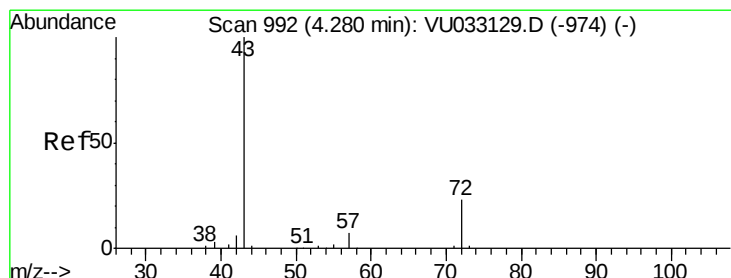
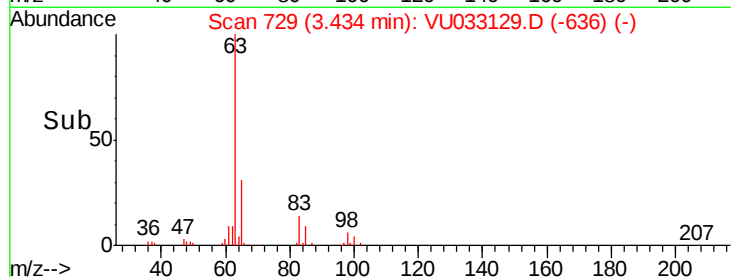
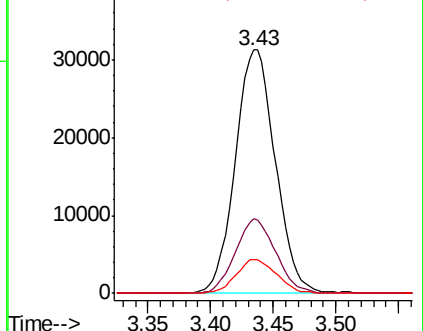
83 14.1 9.9 18.3



Abundance Ion 63.10 (62.80 to 63.80): VU033129.D (-713) (-)

Ion 65.10 (64.80 to 65.80): VU033129.D (-713) (-)

Ion 83.05 (82.75 to 83.75): VU033129.D (-713) (-)



#21

2-Butanone

Concen: 51.112 ug/L

RT: 4.28 min Scan# 992

Delta R.T. 0.00 min

Lab File: VU033129.D

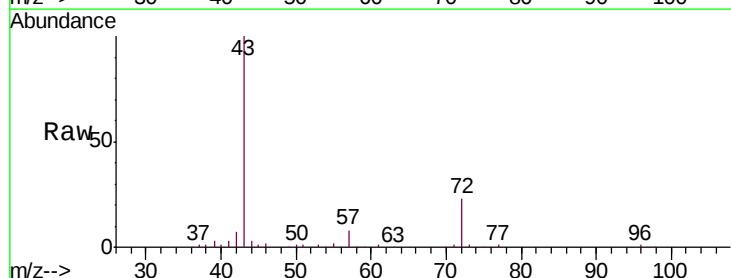
Acq: 02 Jul 2019 09:41

Tgt Ion: 43 Resp: 119747

Ion Ratio Lower Upper

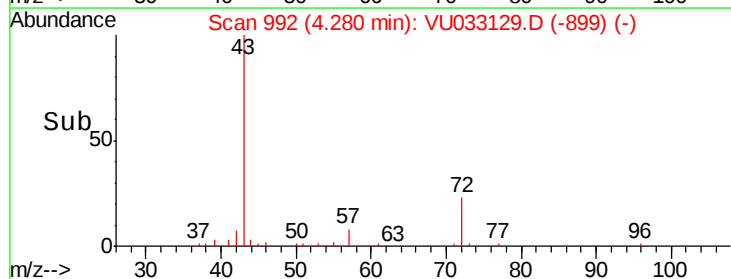
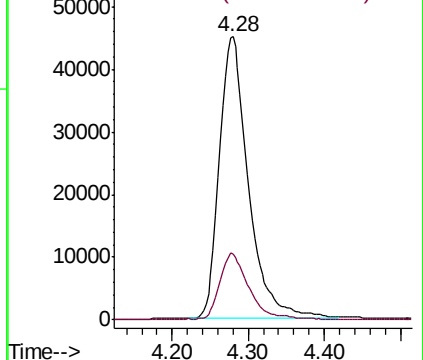
43 100

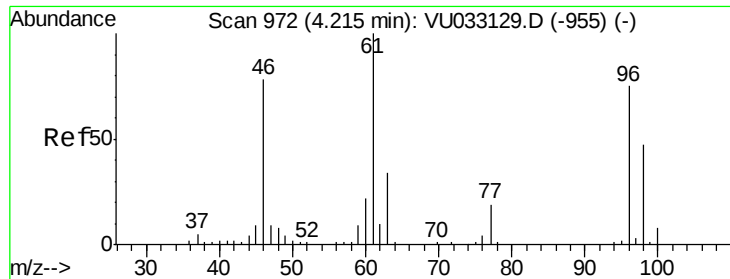
72 24.2 12.1 36.3



Abundance Ion 43.05 (42.75 to 43.75): VU033129.D (-974) (-)

Ion 72.10 (71.80 to 72.80): VU033129.D (-974) (-)

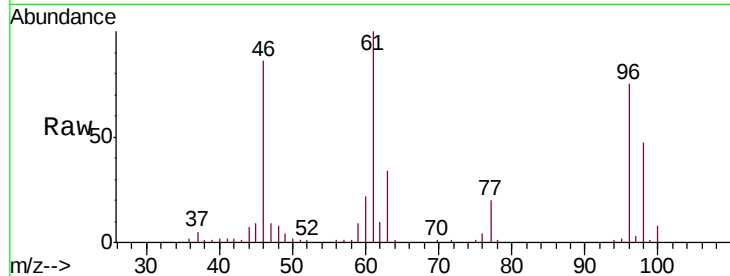




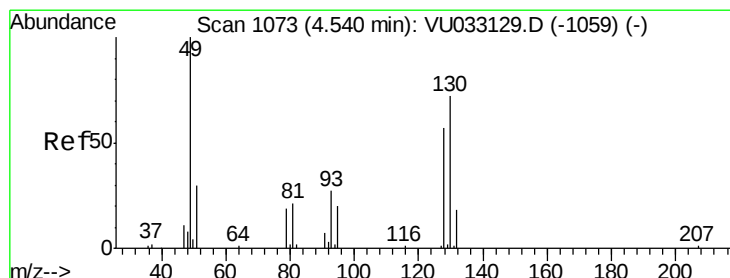
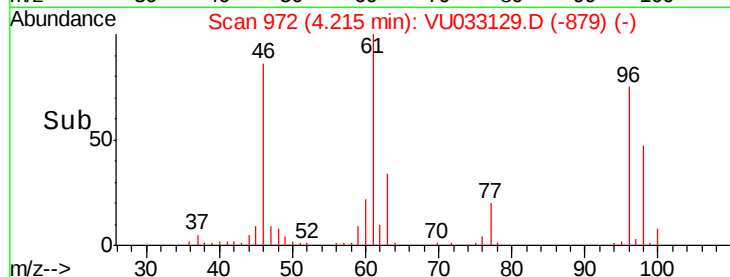
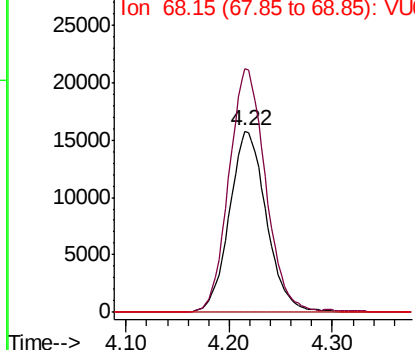
#22
 cis-1,2-Dichloroethene
 Concen: 5.065 ug/L
 RT: 4.22 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VU033129.D
 Acq: 02 Jul 2019 09:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

Tgt Ion: 96 Resp: 39341
 Ion Ratio Lower Upper
 96 100
 61 134.2 93.9 174.5
 68 0.0 0.0 0.0

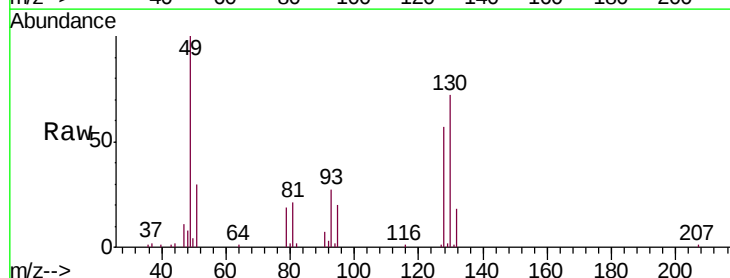


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

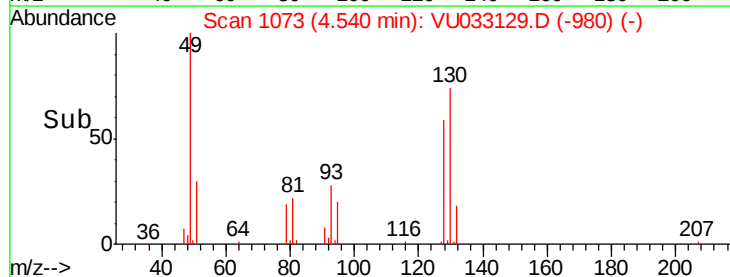
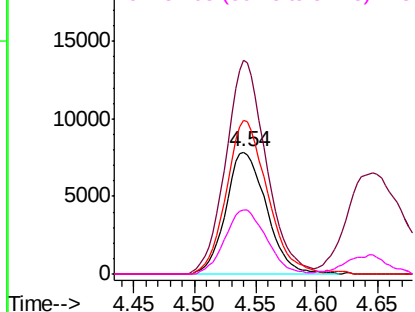


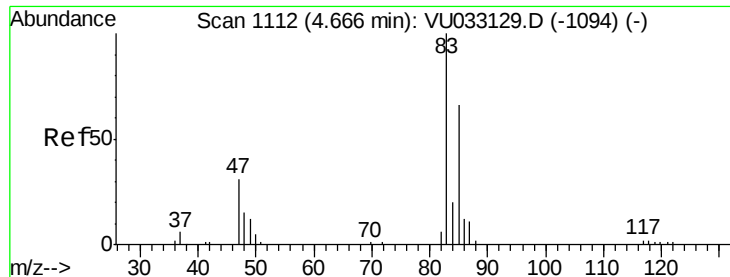
#23
 Bromochloromethane
 Concen: 5.301 ug/L
 RT: 4.54 min Scan# 1073
 Delta R.T. 0.00 min
 Lab File: VU033129.D
 Acq: 02 Jul 2019 09:41

Tgt Ion: 128 Resp: 18183
 Ion Ratio Lower Upper
 128 100
 49 175.3 122.7 227.9
 130 125.8 88.1 163.5
 51 52.9 42.3 63.5



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VU0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VU0

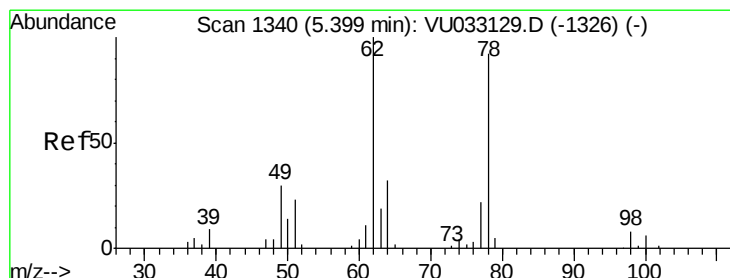
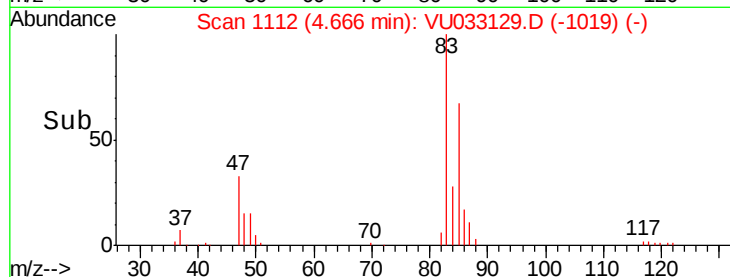
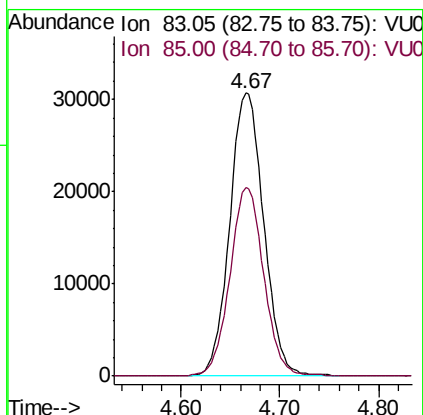
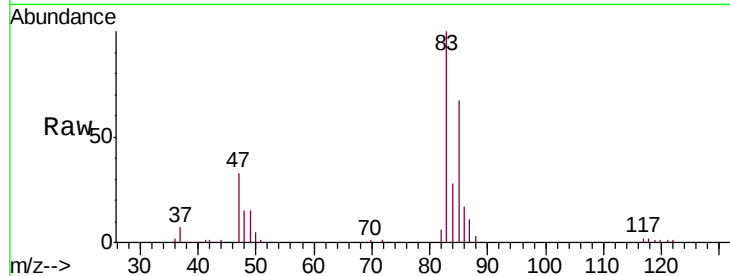




#25
Chloroform
Concen: 5.148 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VU033129.D
Acq: 02 Jul 2019 09:41

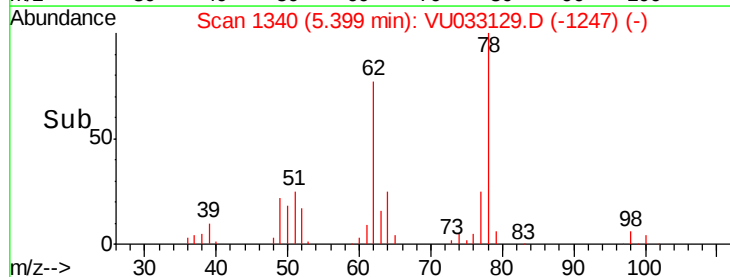
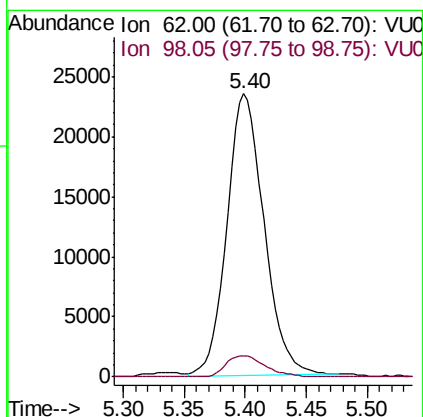
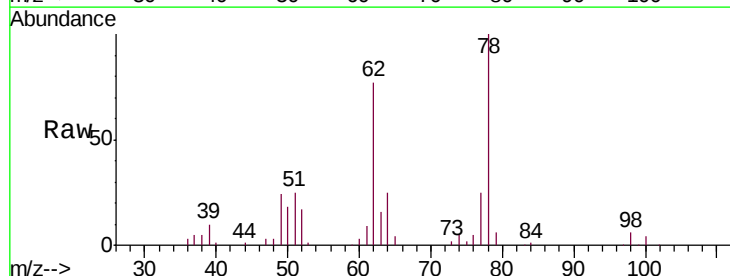
Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

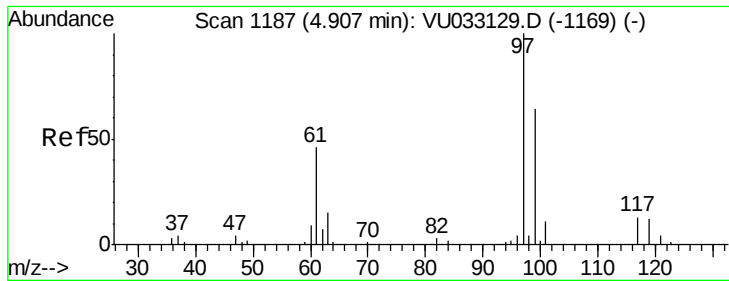
Tgt Ion: 83 Resp: 73694
Ion Ratio Lower Upper
83 100
85 66.6 46.6 86.6



#27
1,2-Dichloroethane
Concen: 5.080 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VU033129.D
Acq: 02 Jul 2019 09:41

Tgt Ion: 62 Resp: 49692
Ion Ratio Lower Upper
62 100
98 7.4 5.9 8.9

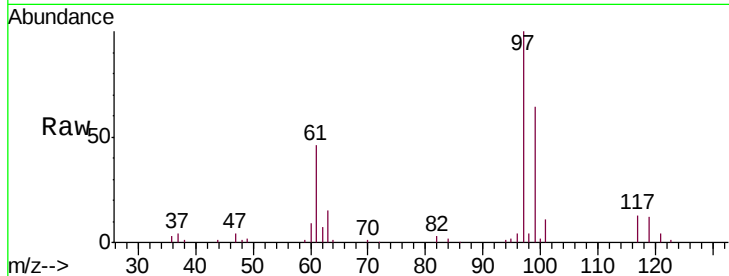




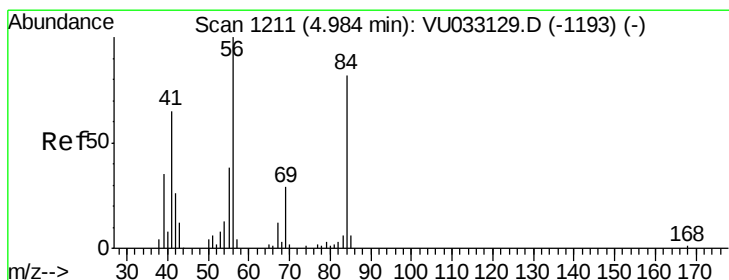
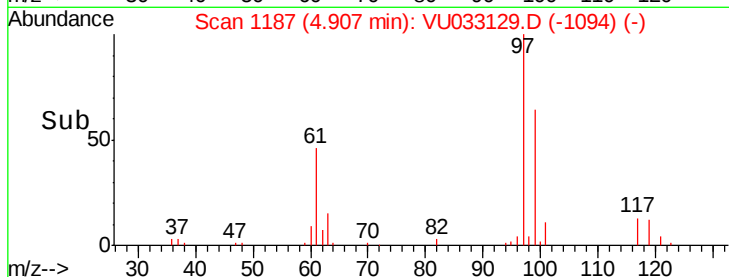
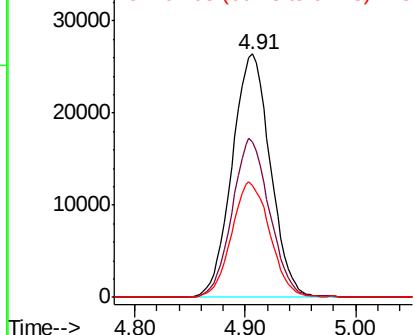
#29
 1,1,1-Trichloroethane
 Concen: 5.046 ug/L
 RT: 4.91 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: VU033129.D
 Acq: 02 Jul 2019 09:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

Tgt Ion: 97 Resp: 63452
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.4 77.0
 61 47.3 37.8 56.8

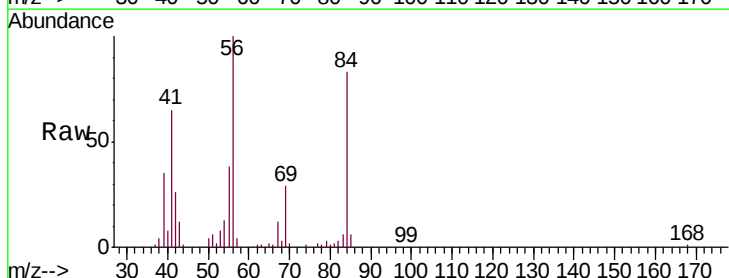


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

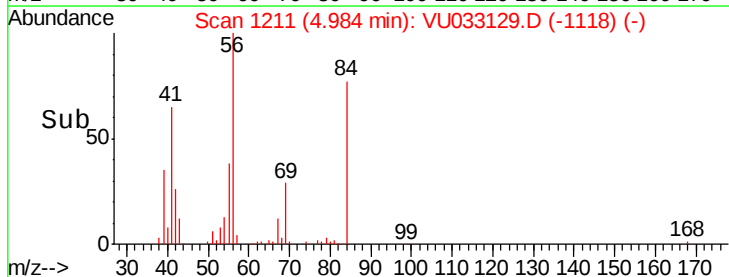
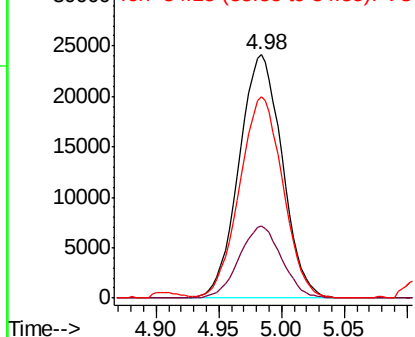


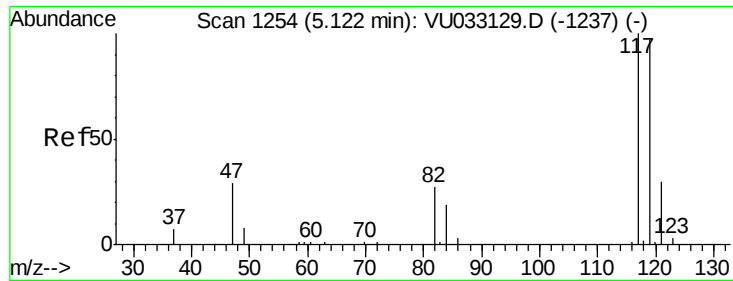
#30
 Cyclohexane
 Concen: 4.967 ug/L
 RT: 4.98 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: VU033129.D
 Acq: 02 Jul 2019 09:41

Tgt Ion: 56 Resp: 57545
 Ion Ratio Lower Upper
 56 100
 69 29.2 23.4 35.0
 84 83.5 66.8 100.2



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 4.914 ug/L

RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VU033129.D

Acq: 02 Jul 2019 09:41

Instrument :

MSVOA_U

ClientSampleId :

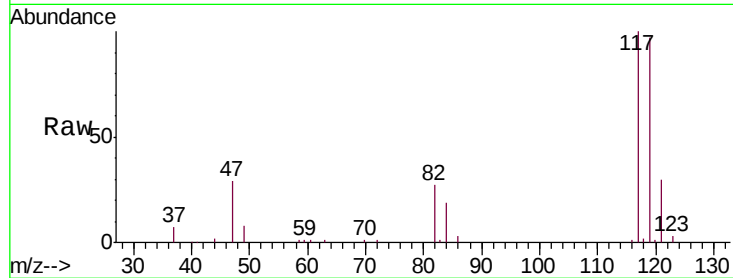
VSTD00504

Tgt Ion:117 Resp: 55757

Ion Ratio Lower Upper

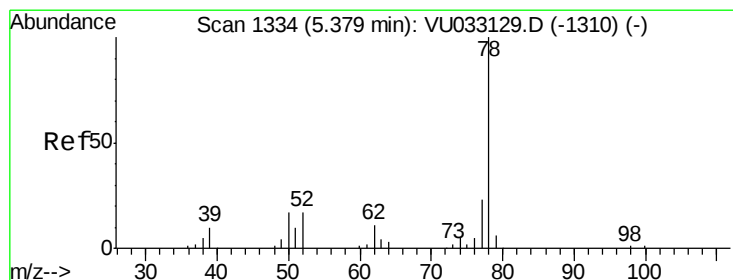
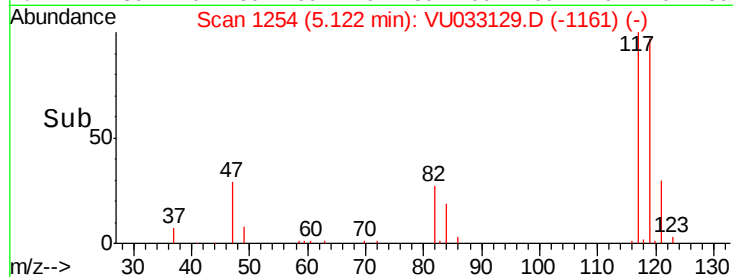
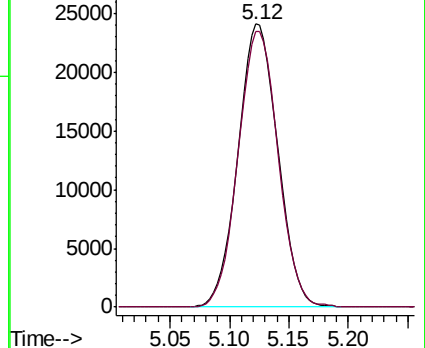
117 100

119 97.9 78.3 117.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.045 ug/L

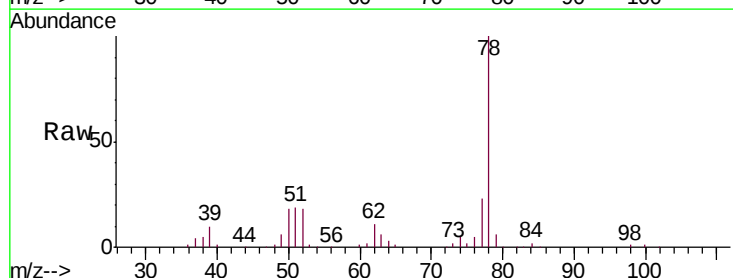
RT: 5.38 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VU033129.D

Acq: 02 Jul 2019 09:41

Tgt Ion: 78 Resp: 146599



Abundance Ion 78.10 (77.80 to 78.80): VU0

80000

60000

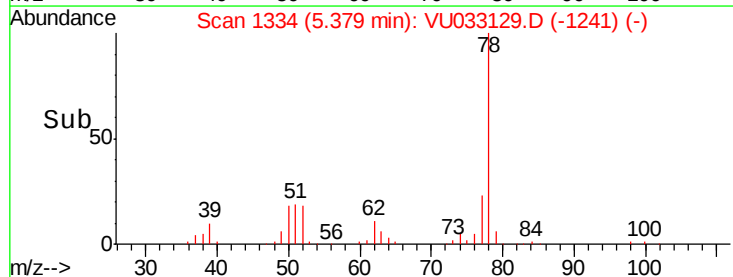
40000

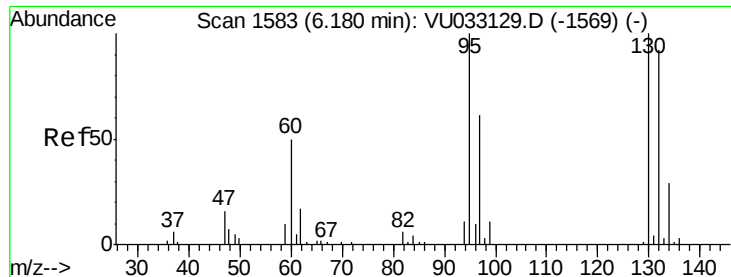
20000

0

5.30 5.40 5.50

Time-->

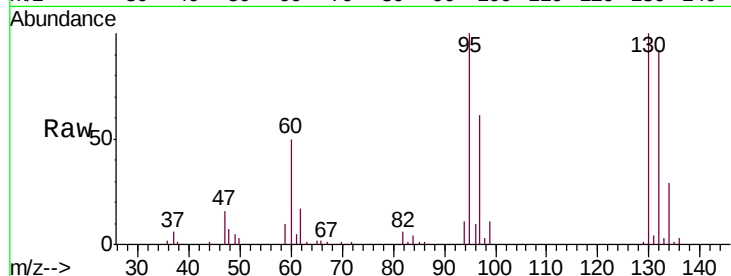




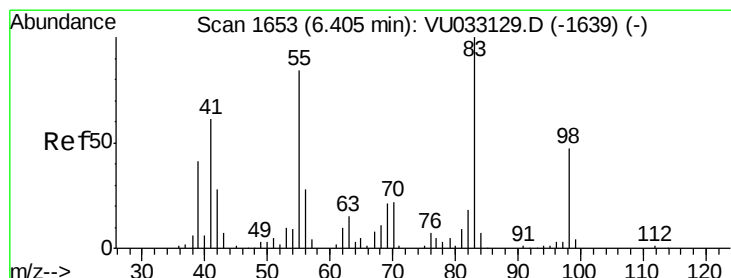
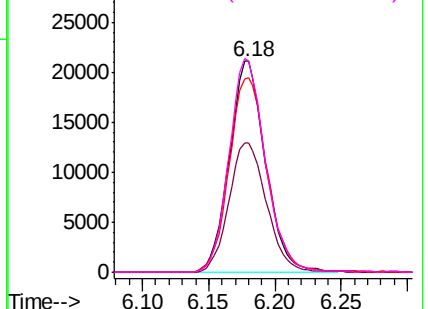
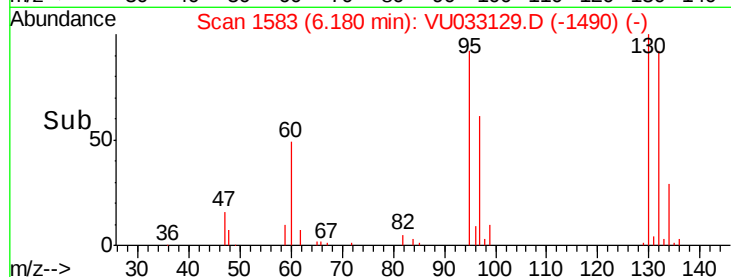
#34
 Trichloroethene
 Concen: 5.020 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU033129.D
 Acq: 02 Jul 2019 09:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

Tgt Ion: 95 Resp: 39948
 Ion Ratio Lower Upper
 95 100
 97 61.1 42.8 79.4
 132 92.3 64.6 120.0
 130 100.0 70.0 130.0

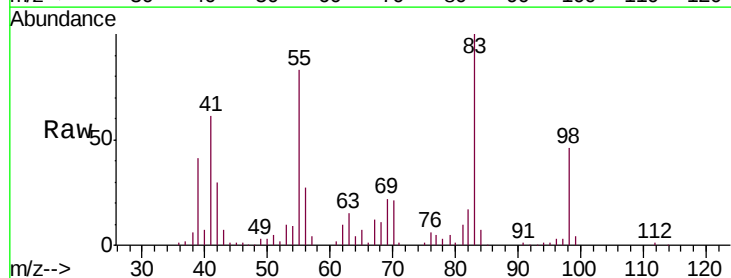


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

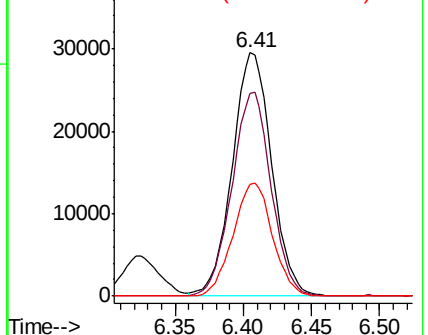
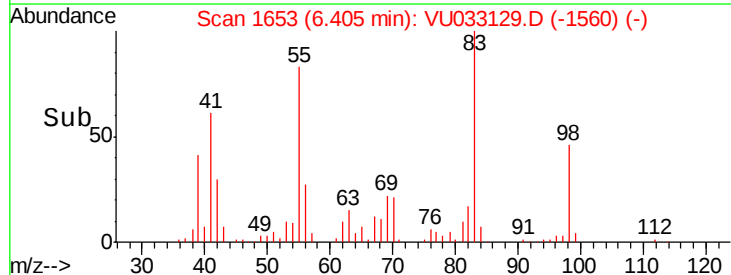


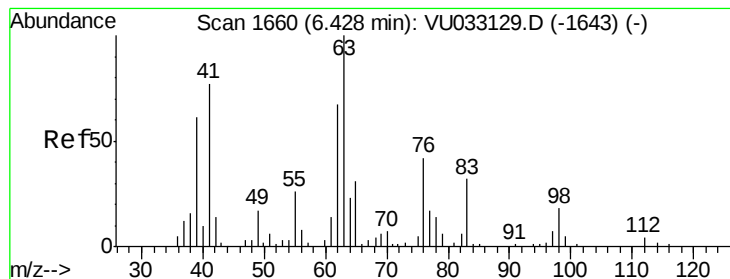
#35
 Methylcyclohexane
 Concen: 4.973 ug/L
 RT: 6.41 min Scan# 1653
 Delta R.T. 0.00 min
 Lab File: VU033129.D
 Acq: 02 Jul 2019 09:41

Tgt Ion: 83 Resp: 59252
 Ion Ratio Lower Upper
 83 100
 55 83.1 66.5 99.7
 98 46.4 37.1 55.7



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 5.160 ug/L

RT: 6.43 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VU033129.D

Acq: 02 Jul 2019 09:41

Instrument :

MSVOA_U

ClientSampleId :

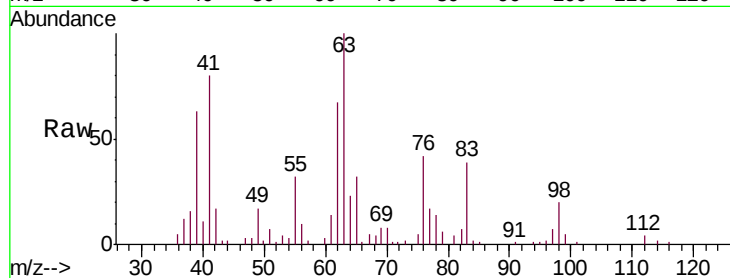
VSTD00504

Tgt Ion: 63 Resp: 40353

Ion Ratio Lower Upper

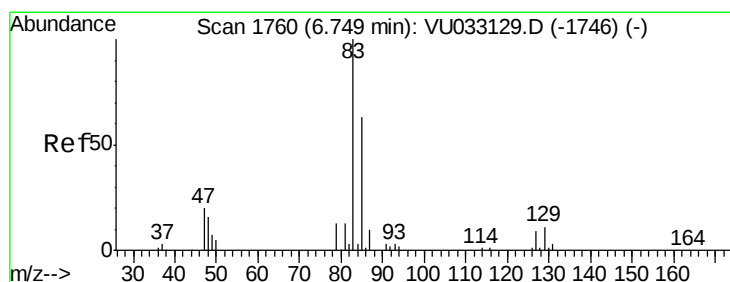
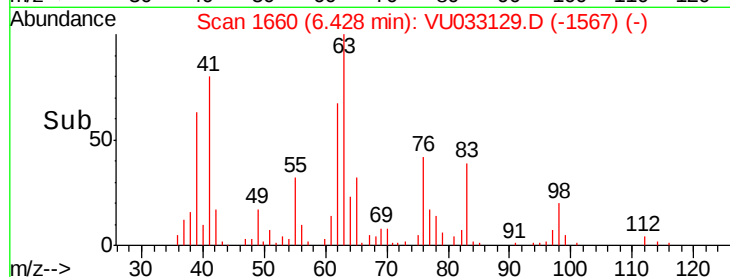
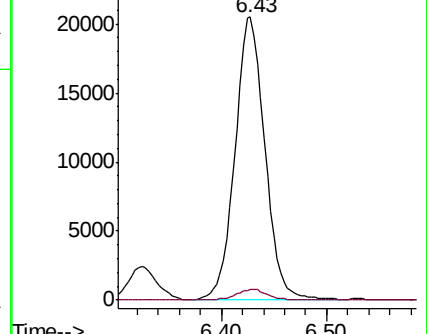
63 100

112 3.8 3.0 4.6



Abundance Ion 63.10 (62.80 to 63.80): VU033129.D (-1643) (-)

Ion 112.10 (111.80 to 112.80): VU033129.D (-1643) (-)



#38

Bromodichloromethane

Concen: 5.029 ug/L

RT: 6.75 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VU033129.D

Acq: 02 Jul 2019 09:41

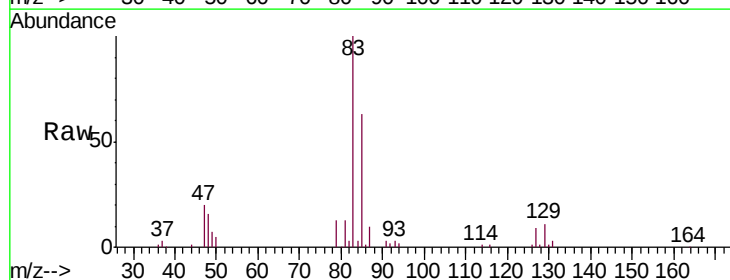
Tgt Ion: 83 Resp: 51701

Ion Ratio Lower Upper

83 100

85 62.6 43.8 81.4

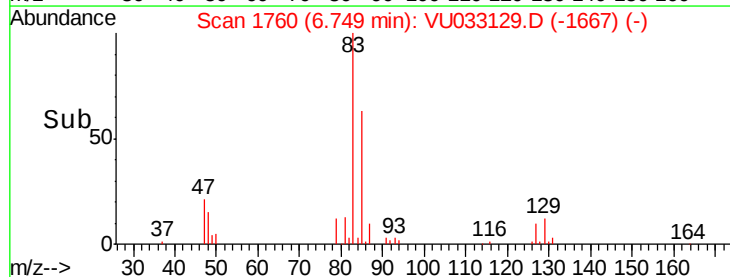
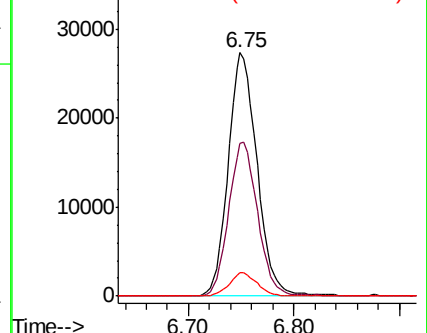
127 9.4 7.5 11.3

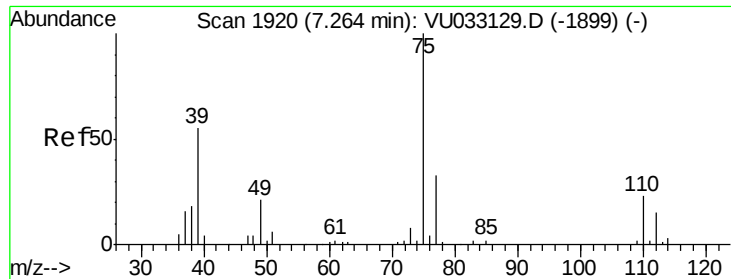


Abundance Ion 82.95 (82.65 to 83.65): VU033129.D (-1746) (-)

Ion 85.00 (84.70 to 85.70): VU033129.D (-1746) (-)

Ion 126.90 (126.60 to 127.60): VU033129.D (-1746) (-)

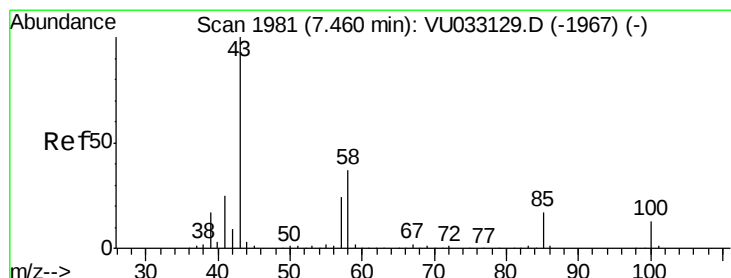
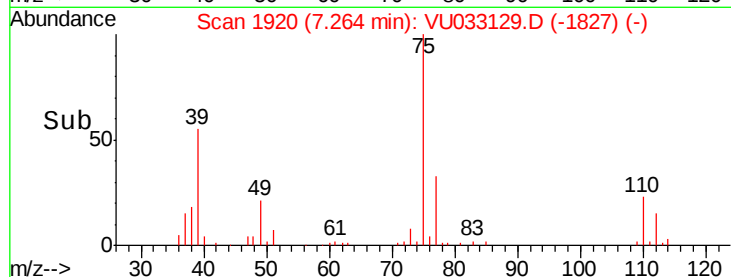
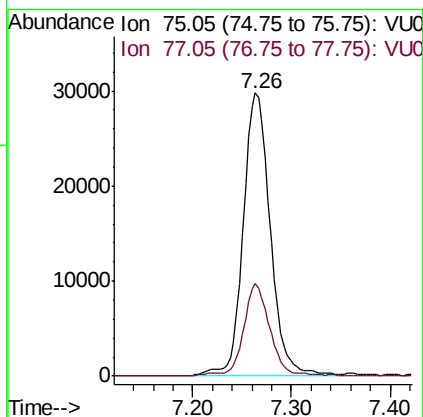
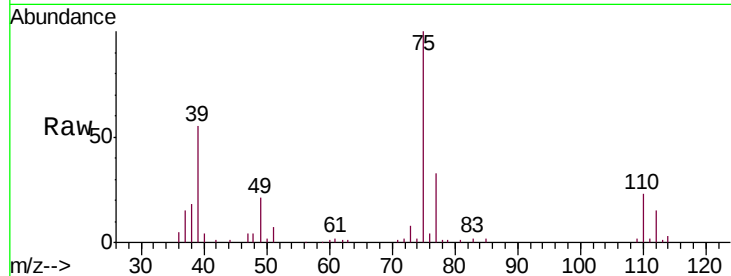




#39
 cis-1,3-Dichloropropene
 Concen: 4.972 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VU033129.D
 Acq: 02 Jul 2019 09:41

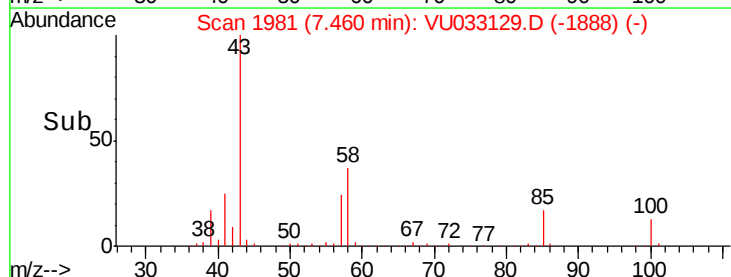
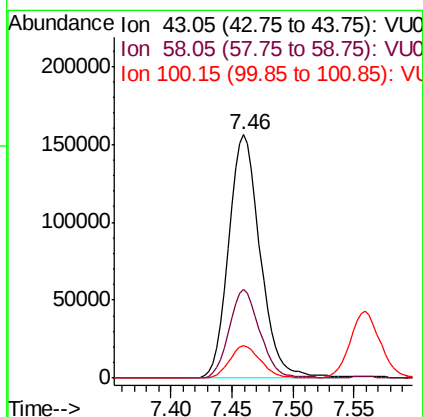
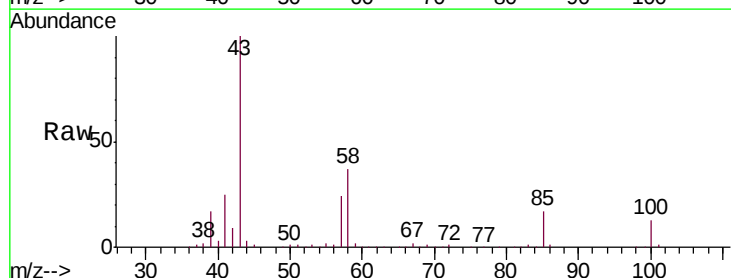
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

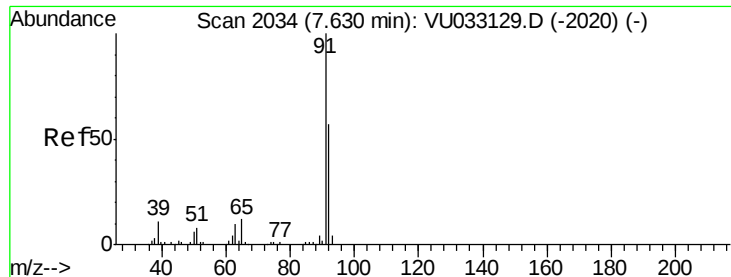
Tgt Ion: 75 Resp: 56793
 Ion Ratio Lower Upper
 75 100
 77 32.6 22.8 42.4



#40
 4-Methyl-2-pentanone
 Concen: 52.311 ug/L
 RT: 7.46 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VU033129.D
 Acq: 02 Jul 2019 09:41

Tgt Ion: 43 Resp: 282651
 Ion Ratio Lower Upper
 43 100
 58 35.6 28.5 42.7
 100 13.0 10.4 15.6





#42

Toluene

Concen: 5.137 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU033129.D

Acq: 02 Jul 2019 09:41

Instrument :

MSVOA_U

ClientSampleId :

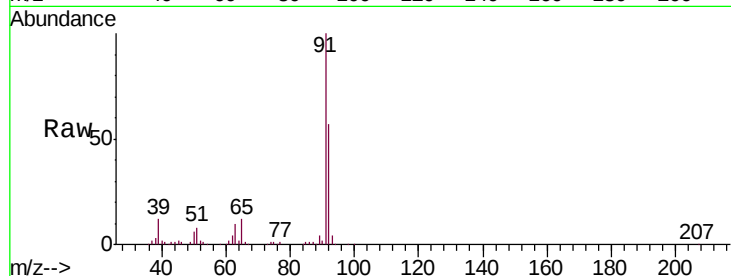
VSTD00504

Tgt Ion: 91 Resp: 159711

Ion Ratio Lower Upper

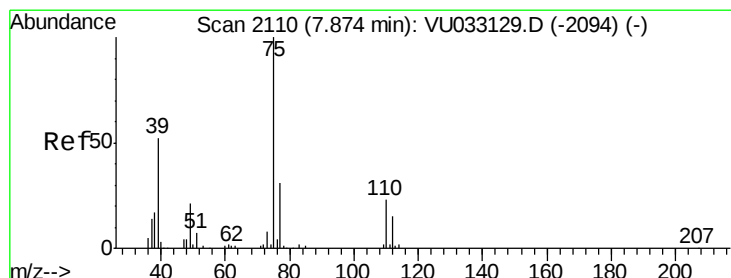
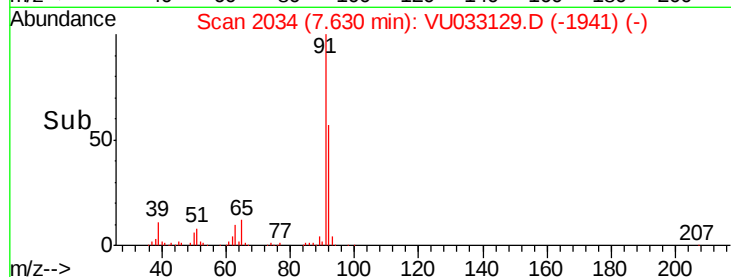
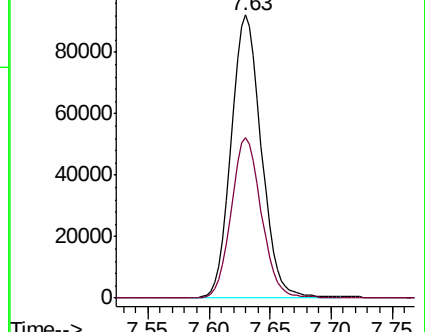
91 100

92 56.7 39.7 73.7



Abundance Ion 91.15 (90.85 to 91.85): VU033129.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VU033129.D (-2020) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.115 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU033129.D

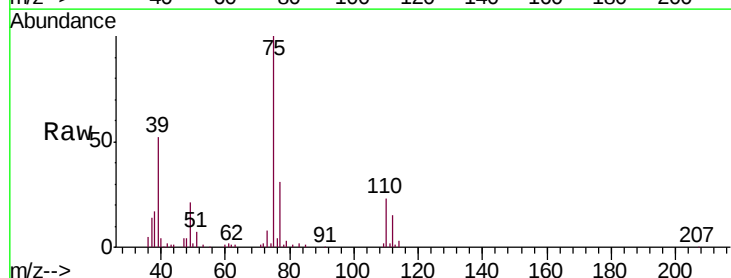
Acq: 02 Jul 2019 09:41

Tgt Ion: 75 Resp: 47231

Ion Ratio Lower Upper

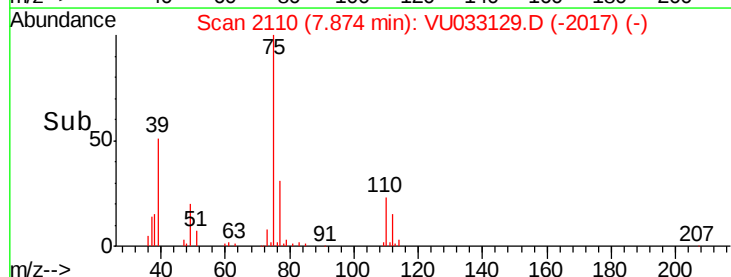
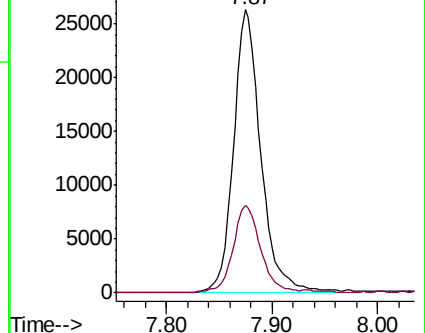
75 100

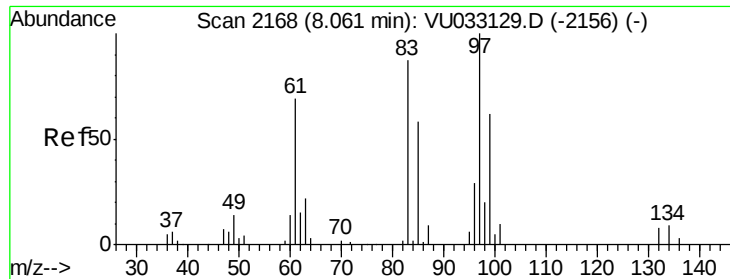
77 30.9 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VU033129.D (-2094) (-)

Ion 77.05 (76.75 to 77.75): VU033129.D (-2094) (-)

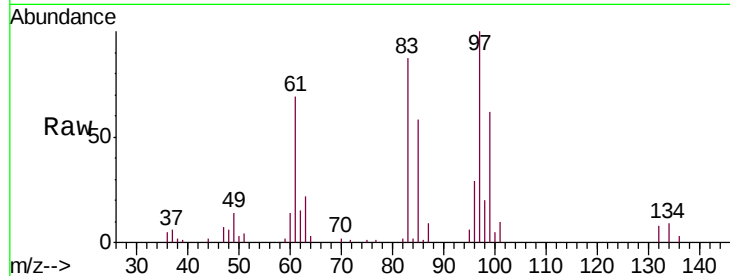




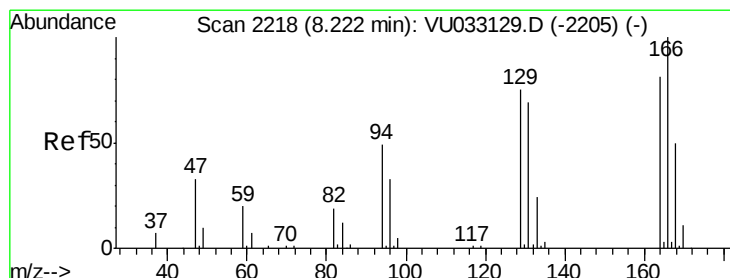
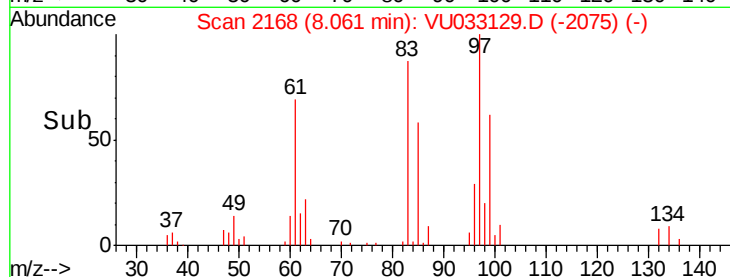
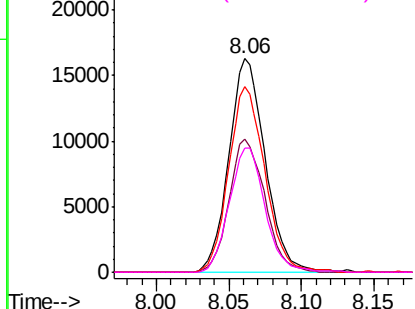
#45
 1,1,2-Trichloroethane
 Concen: 5.141 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. 0.00 min
 Lab File: VU033129.D
 Acq: 02 Jul 2019 09:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

Tgt Ion:	97	Resp:	28317
Ion	Ratio	Lower	Upper
97	100		
99	62.1	43.5	80.7
83	86.8	60.8	112.8
85	58.2	40.7	75.7

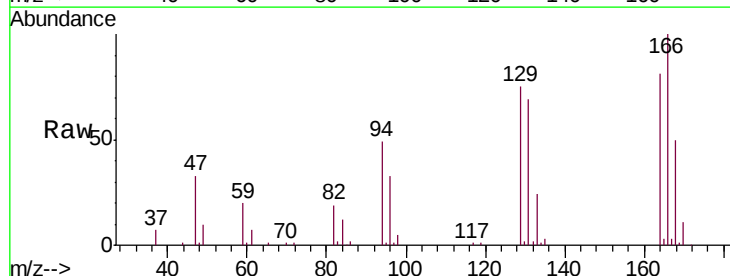


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

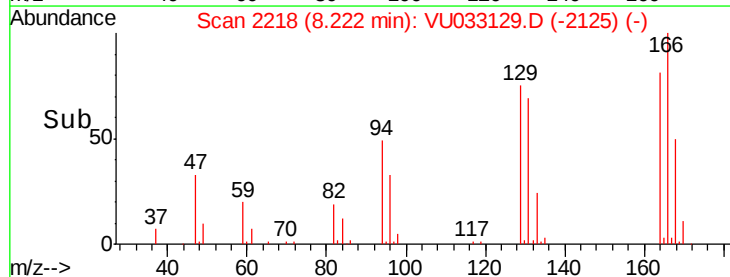
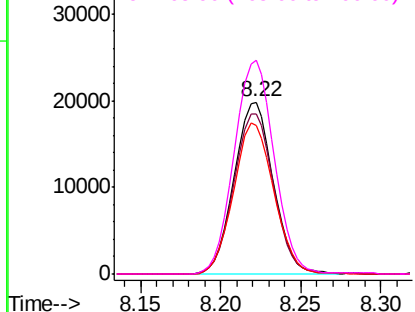


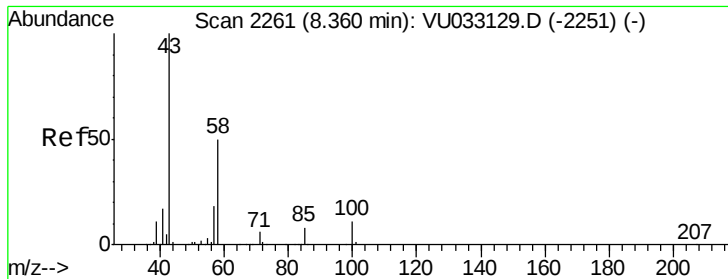
#47
 Tetrachloroethene
 Concen: 5.151 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU033129.D
 Acq: 02 Jul 2019 09:41

Tgt Ion:	164	Resp:	33033
Ion	Ratio	Lower	Upper
164	100		
129	93.3	65.3	121.3
131	86.2	60.3	112.1
166	124.1	86.9	161.3



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

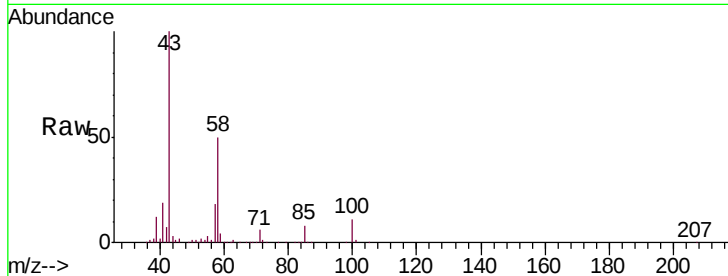




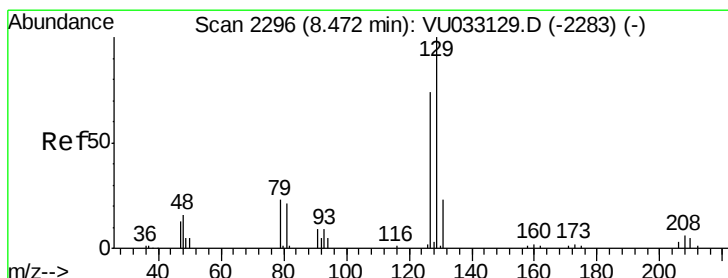
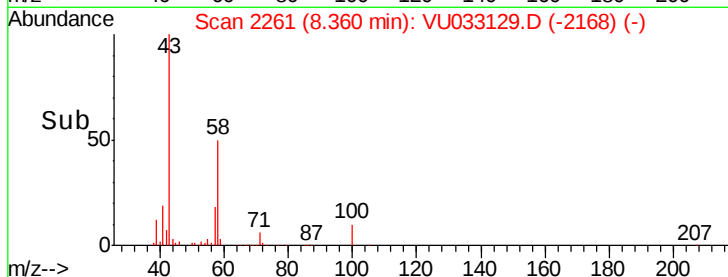
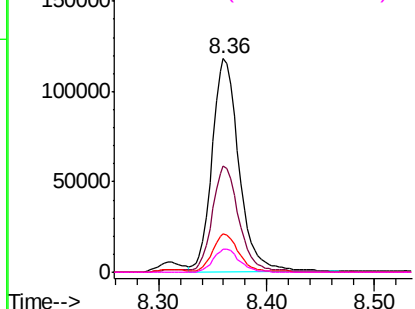
#48
2-Hexanone
Concen: 52.837 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU033129.D
Acq: 02 Jul 2019 09:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

Tgt Ion:	43	Resp:	203831
Ion	Ratio	Lower	Upper
43	100		
58	48.8	39.0	58.6
57	17.4	13.9	20.9
100	10.7	8.6	12.8

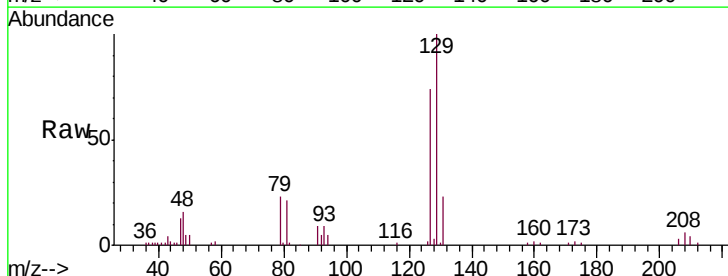


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

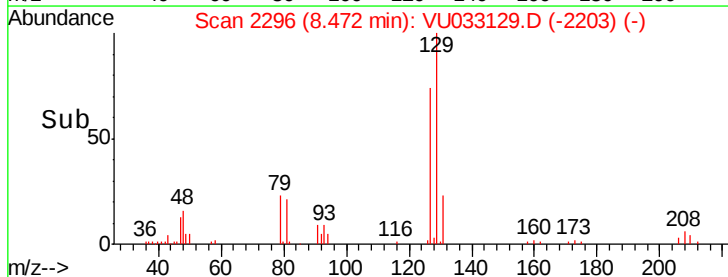
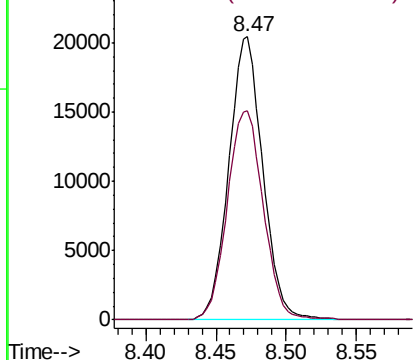


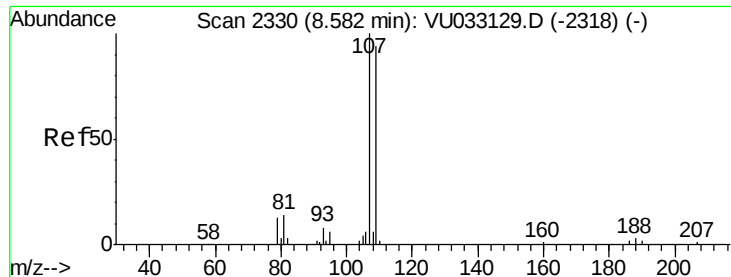
#49
Dibromochloromethane
Concen: 4.985 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU033129.D
Acq: 02 Jul 2019 09:41

Tgt Ion:	129	Resp:	34419
Ion	Ratio	Lower	Upper
129	100		
127	73.7	51.6	95.8



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

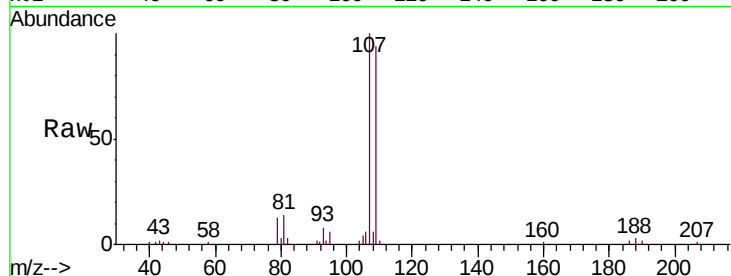




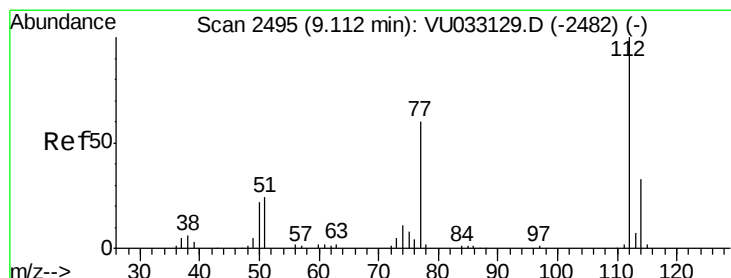
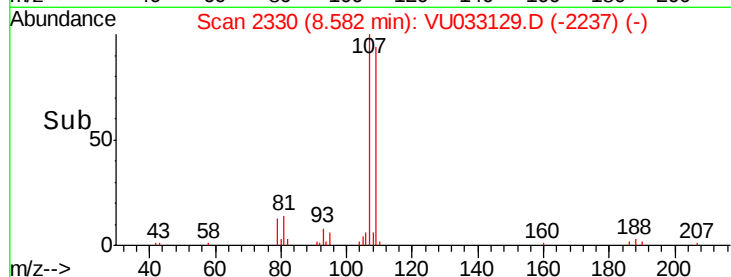
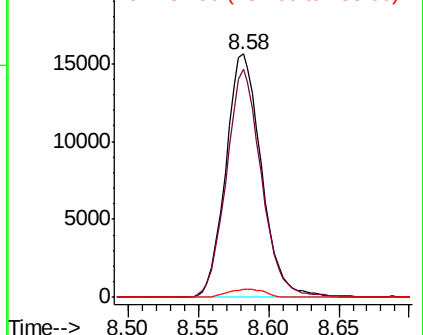
#50
1,2-Dibromoethane
Concen: 5.157 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU033129.D
Acq: 02 Jul 2019 09:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

Tgt Ion:107 Resp: 27587
Ion Ratio Lower Upper
107 100
109 93.6 65.5 121.7
188 3.1 2.5 3.7

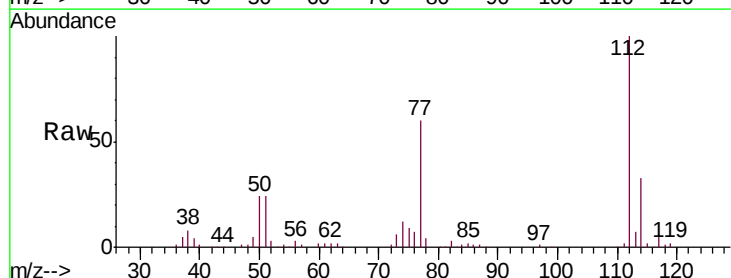


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

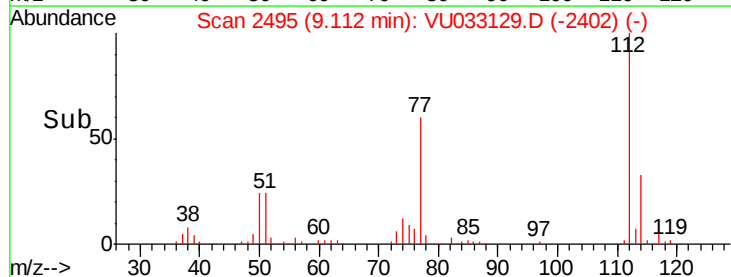
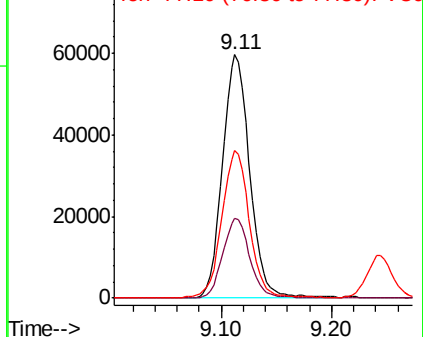


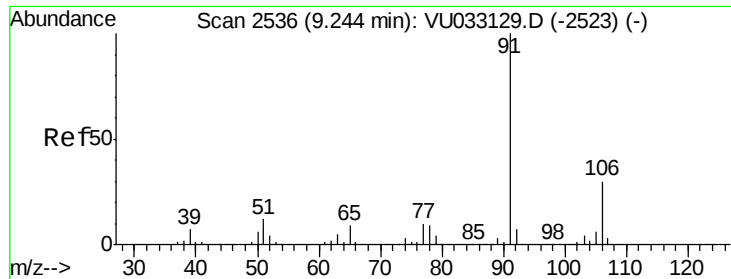
#51
Chlorobenzene
Concen: 4.959 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. 0.00 min
Lab File: VU033129.D
Acq: 02 Jul 2019 09:41

Tgt Ion:112 Resp: 101981
Ion Ratio Lower Upper
112 100
114 32.8 23.0 42.6
77 60.4 48.3 72.5



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.974 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU033129.D

Acq: 02 Jul 2019 09:41

Instrument :

MSVOA_U

ClientSampleId :

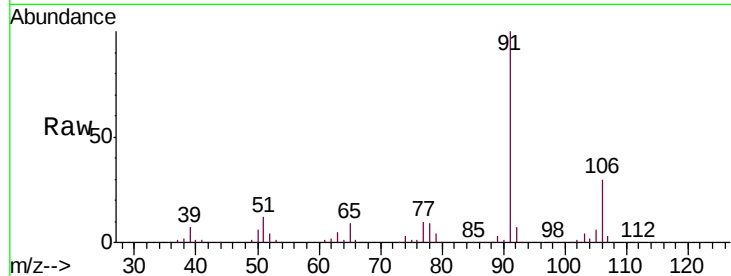
VSTD00504

Tgt Ion: 91 Resp: 169974

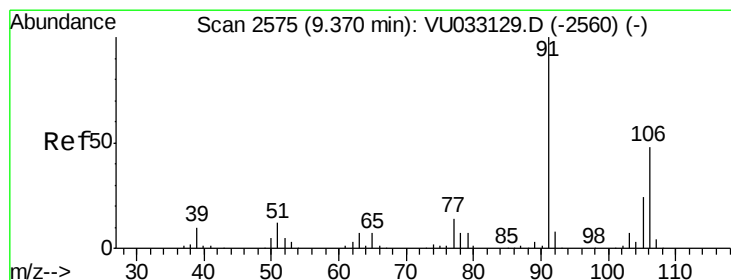
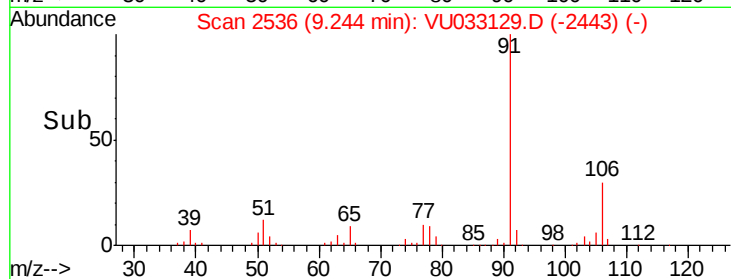
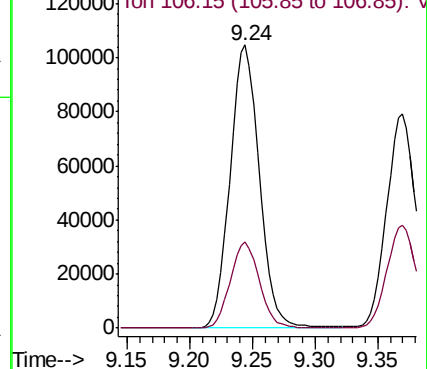
Ion Ratio Lower Upper

91 100

106 30.3 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU033129.D (-2523) (-)



#53

m,p-Xylene

Concen: 5.110 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU033129.D

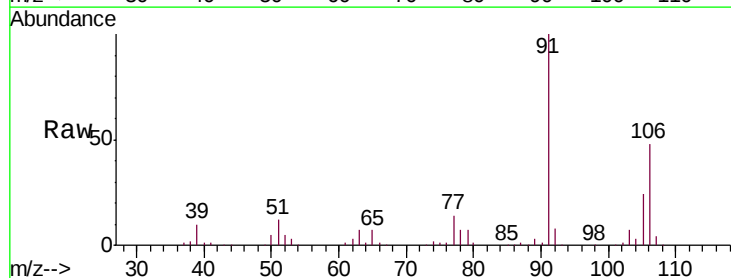
Acq: 02 Jul 2019 09:41

Tgt Ion: 106 Resp: 63391

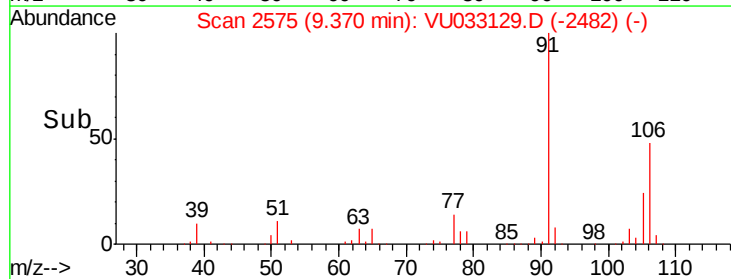
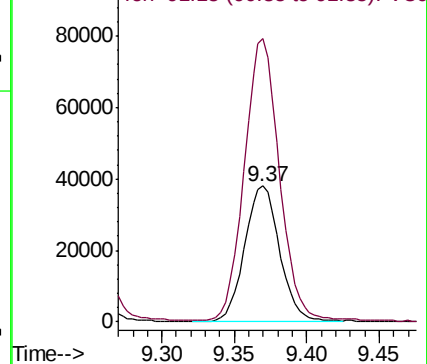
Ion Ratio Lower Upper

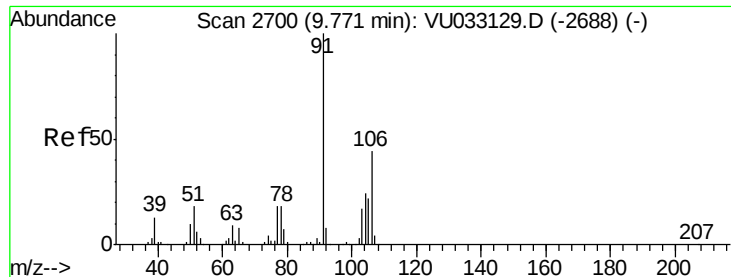
106 100

91 208.0 145.6 270.4



Abundance Ion 106.15 (105.85 to 106.85): VU033129.D (-2560) (-)

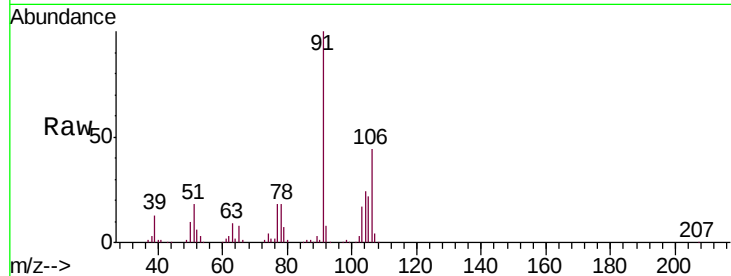




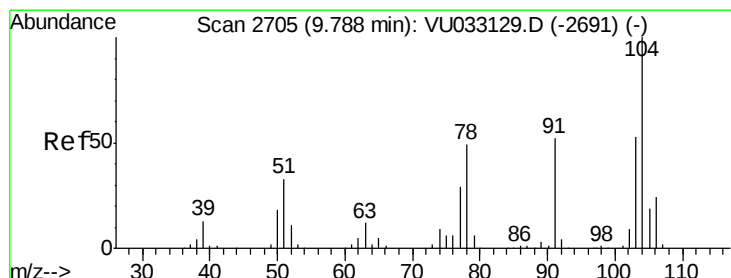
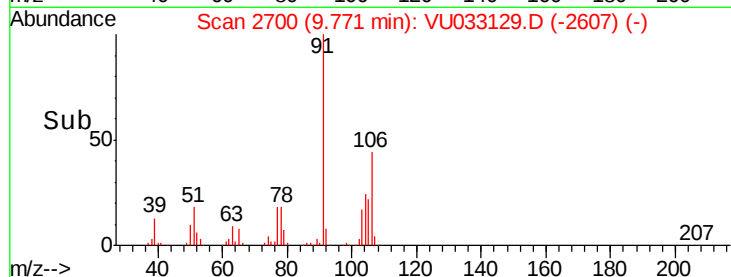
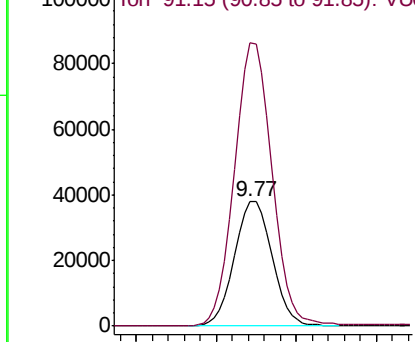
#54
o-Xylene
Concen: 5.085 ug/L
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VU033129.D
Acq: 02 Jul 2019 09:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

Tgt Ion:106 Resp: 61333
Ion Ratio Lower Upper
106 100
91 227.4 159.2 295.6

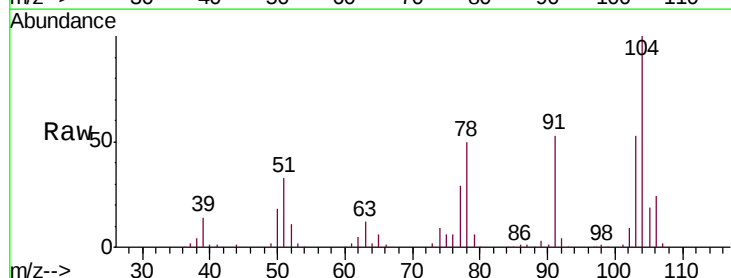


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

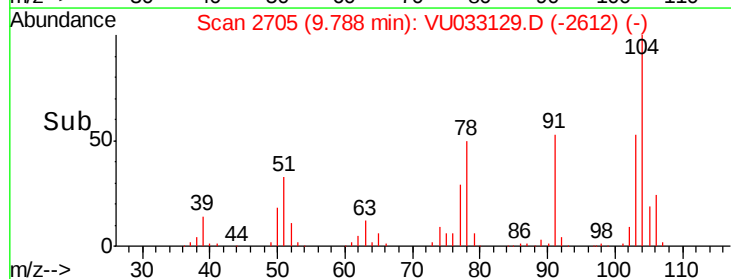
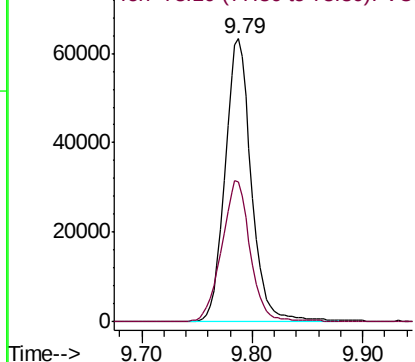


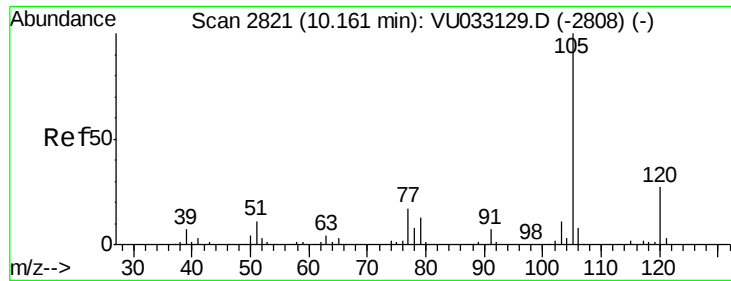
#55
Styrene
Concen: 5.136 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU033129.D
Acq: 02 Jul 2019 09:41

Tgt Ion:104 Resp: 104795
Ion Ratio Lower Upper
104 100
78 49.5 34.6 64.3



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.070 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU033129.D

Acq: 02 Jul 2019 09:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

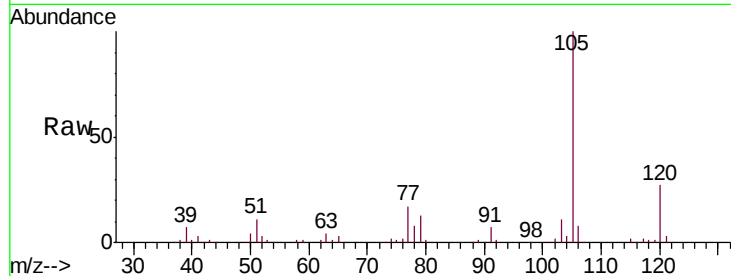
Tgt Ion: 105 Resp: 166918

Ion Ratio Lower Upper

105 100

120 25.9 20.7 31.1

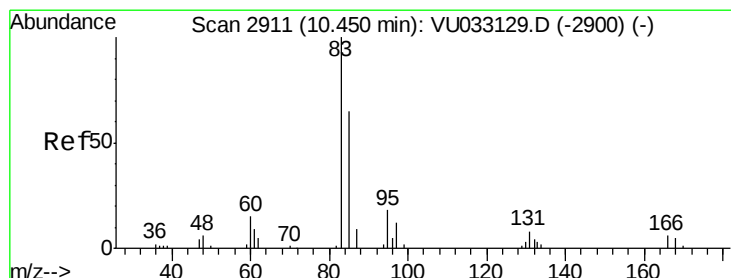
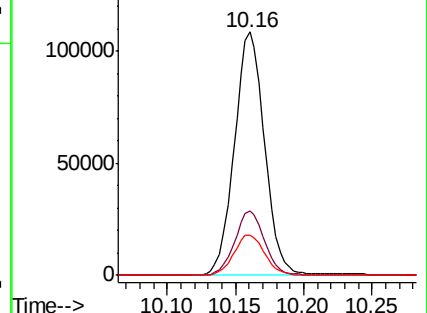
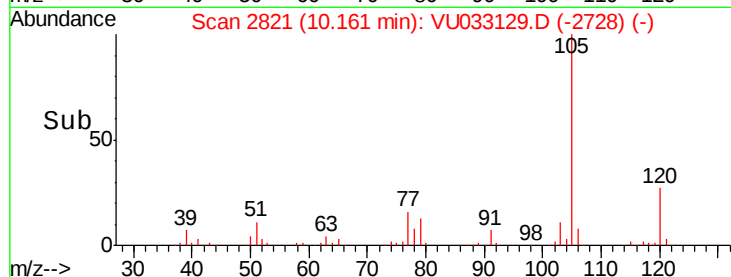
77 16.9 13.5 20.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.965 ug/L

RT: 10.45 min Scan# 2911

Delta R.T. 0.00 min

Lab File: VU033129.D

Acq: 02 Jul 2019 09:41

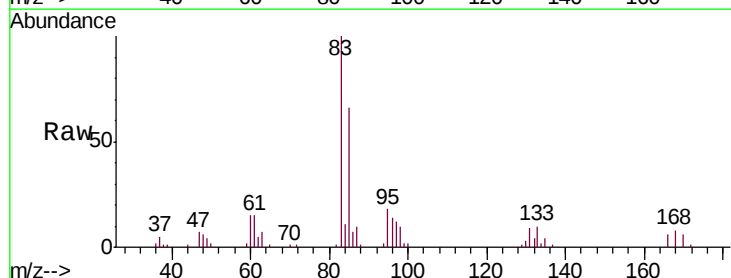
Tgt Ion: 83 Resp: 35008

Ion Ratio Lower Upper

83 100

85 66.0 46.2 85.8

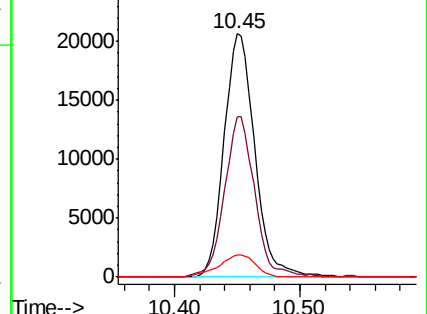
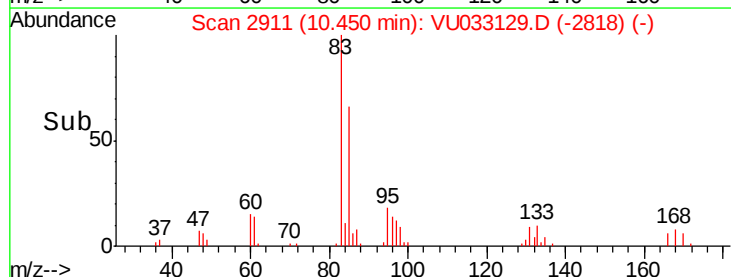
131 9.1 7.3 10.9

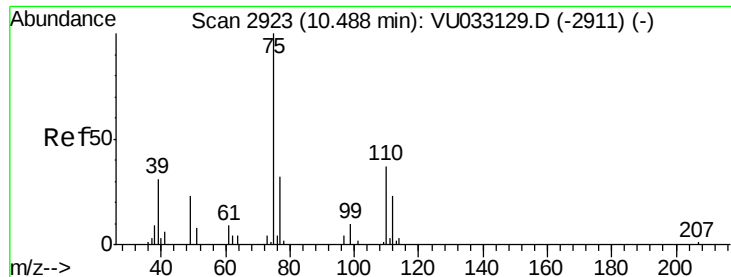


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

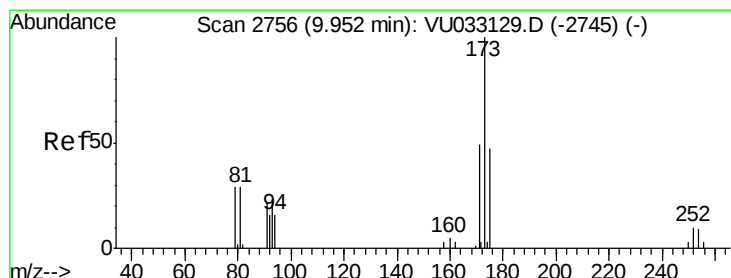
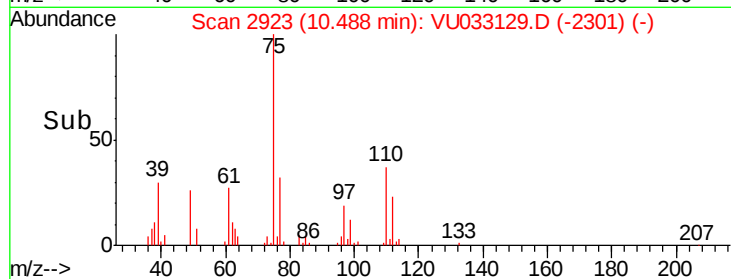
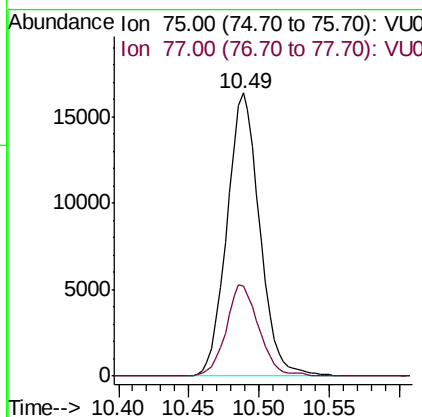
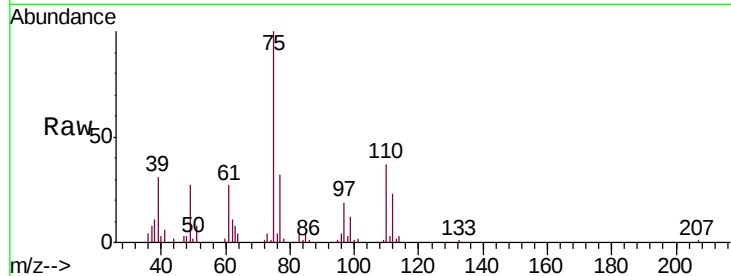




#59
 1,2,3-Trichloropropane
 Concen: 5.089 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. 0.00 min
 Lab File: VU033129.D
 Acq: 02 Jul 2019 09:41

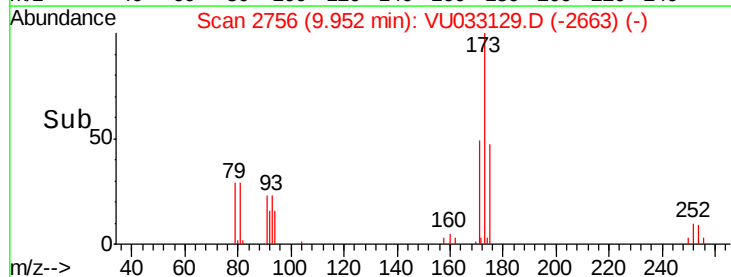
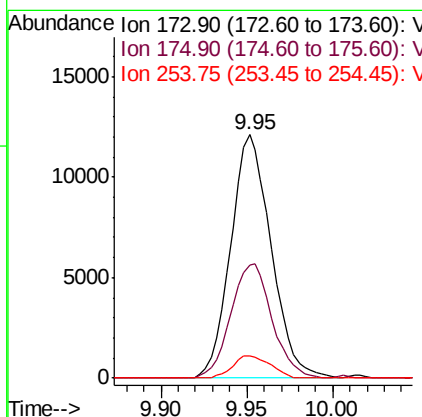
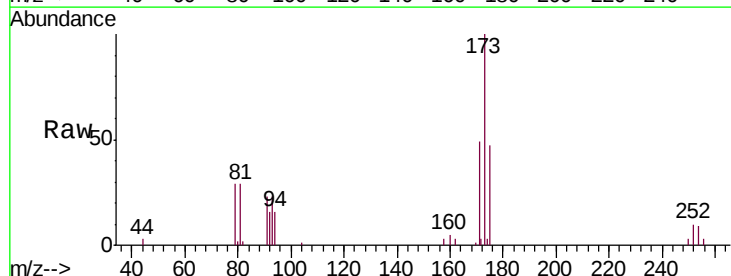
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

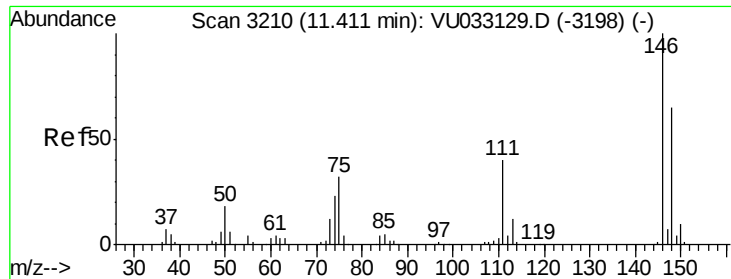
Tgt Ion: 75 Resp: 26538
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.8 38.8



#61
 Bromoform
 Concen: 4.921 ug/L
 RT: 9.95 min Scan# 2756
 Delta R.T. 0.00 min
 Lab File: VU033129.D
 Acq: 02 Jul 2019 09:41

Tgt Ion: 173 Resp: 19777
 Ion Ratio Lower Upper
 173 100
 175 47.7 38.2 57.2
 254 8.6 6.9 10.3

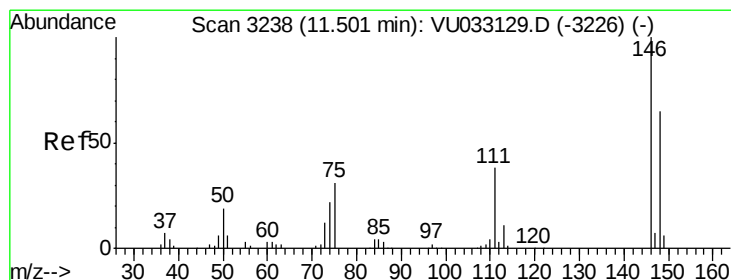
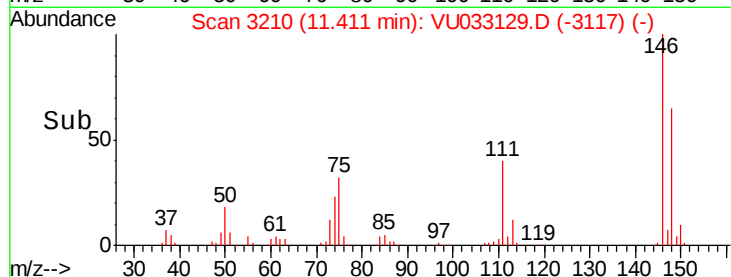
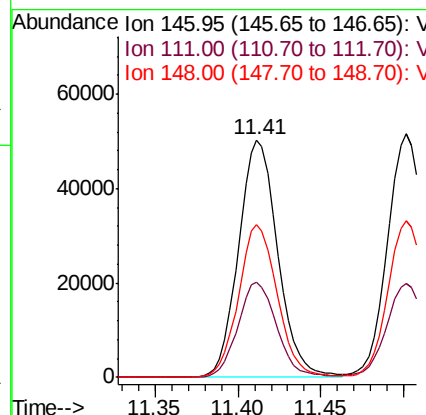
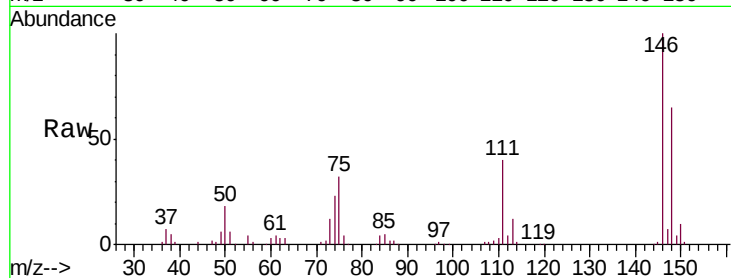




#62
 1,3-Dichlorobenzene
 Concen: 4.971 ug/L
 RT: 11.41 min Scan# 3210
 Delta R.T. 0.00 min
 Lab File: VU033129.D
 Acq: 02 Jul 2019 09:41

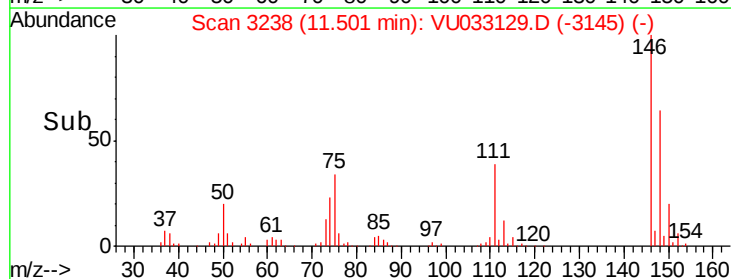
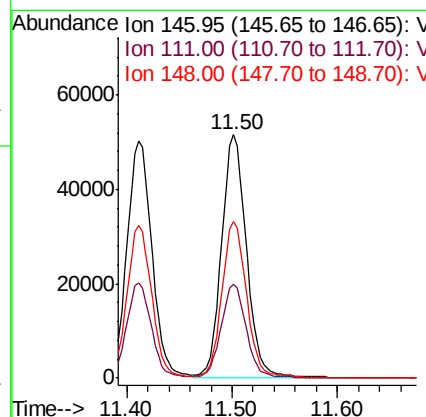
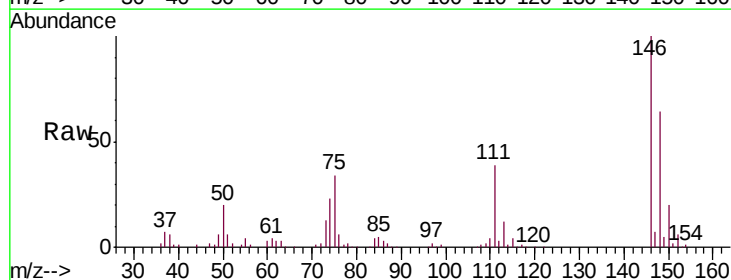
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

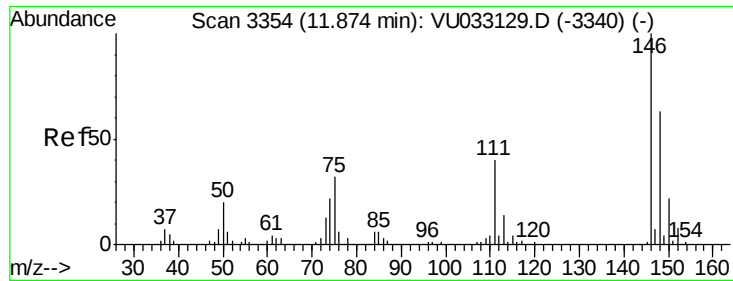
Tgt Ion:146 Resp: 82570
 Ion Ratio Lower Upper
 146 100
 111 40.3 28.2 52.4
 148 64.6 45.2 84.0



#63
 1,4-Dichlorobenzene
 Concen: 4.828 ug/L
 RT: 11.50 min Scan# 3238
 Delta R.T. 0.00 min
 Lab File: VU033129.D
 Acq: 02 Jul 2019 09:41

Tgt Ion:146 Resp: 83774
 Ion Ratio Lower Upper
 146 100
 111 38.6 27.0 50.2
 148 64.4 45.1 83.7





#65

1,2-Dichlorobenzene

Concen: 5.038 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VU033129.D

Acq: 02 Jul 2019 09:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

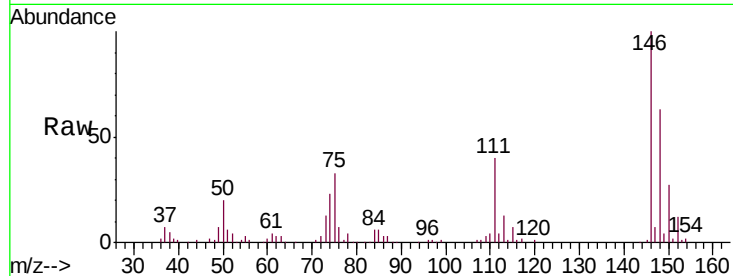
Tgt Ion:146 Resp: 81339

Ion Ratio Lower Upper

146 100

111 39.8 31.8 47.8

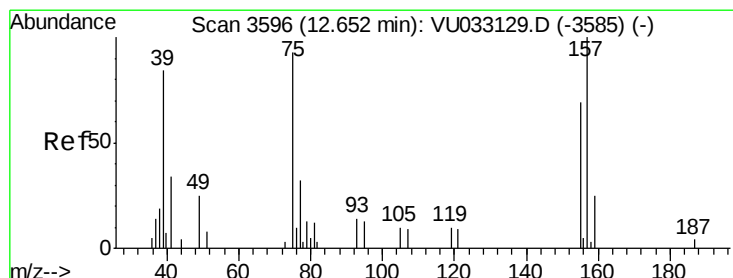
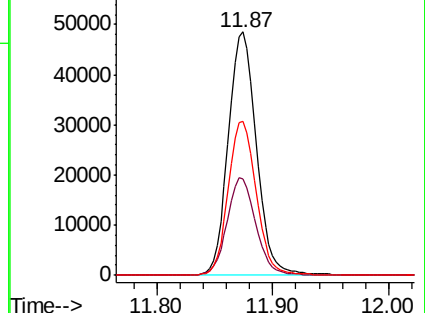
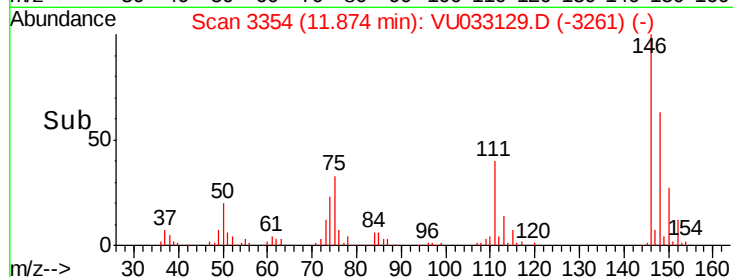
148 63.4 50.7 76.1



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.000 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. 0.00 min

Lab File: VU033129.D

Acq: 02 Jul 2019 09:41

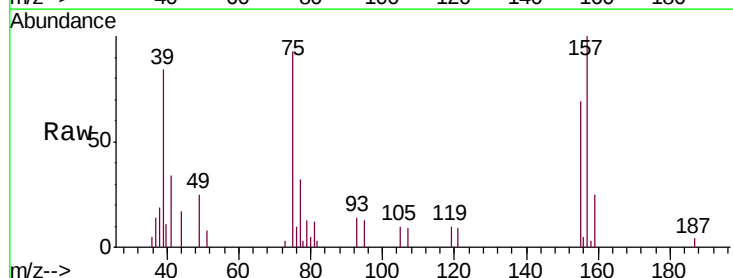
Tgt Ion: 75 Resp: 5441

Ion Ratio Lower Upper

75 100

155 74.4 59.5 89.3

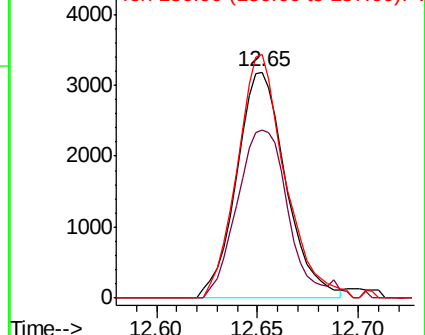
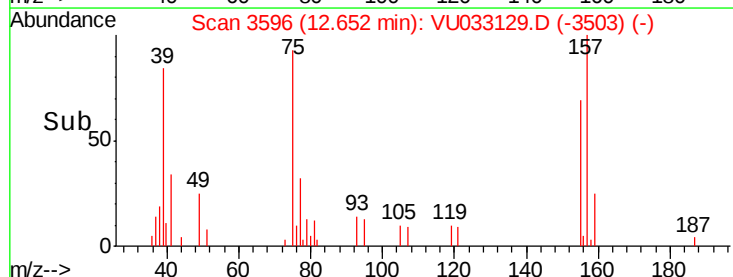
157 107.8 86.2 129.4

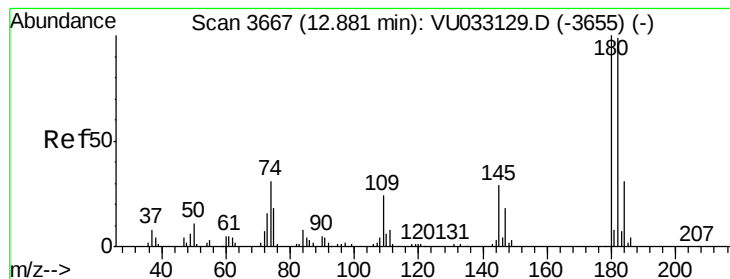


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V





#67

1,3,5-Trichlorobenzene

Concen: 4.912 ug/L

RT: 12.88 min Scan# 3667

Delta R.T. 0.00 min

Lab File: VU033129.D

Acq: 02 Jul 2019 09:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

Tgt Ion:180 Resp: 64515

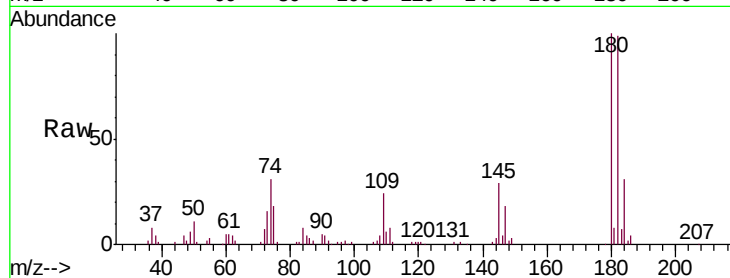
Ion Ratio Lower Upper

180 100

182 97.9 78.3 117.5

184 30.2 24.2 36.2

145 29.3 23.4 35.2

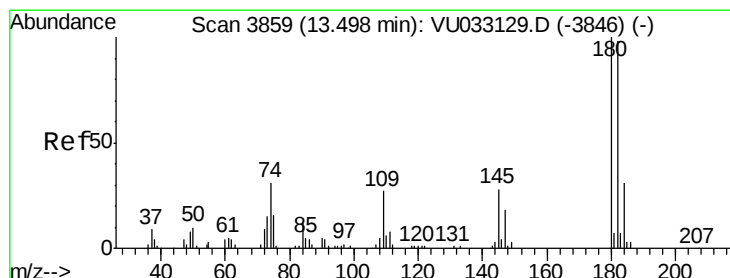
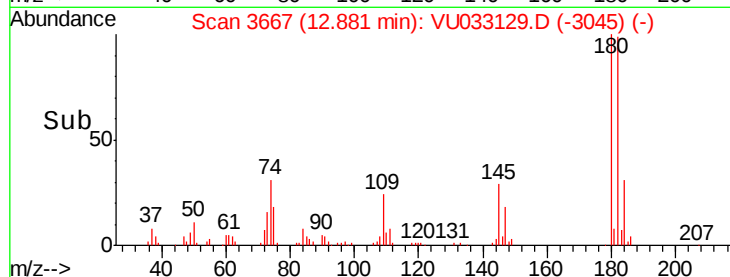
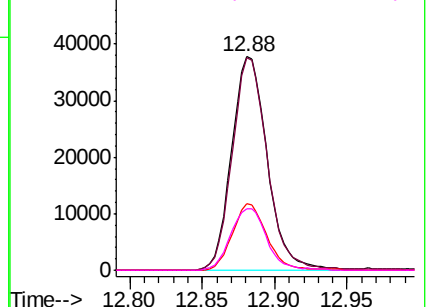


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68

1,2,4-trichlorobenzene

Concen: 5.093 ug/L

RT: 13.50 min Scan# 3859

Delta R.T. 0.00 min

Lab File: VU033129.D

Acq: 02 Jul 2019 09:41

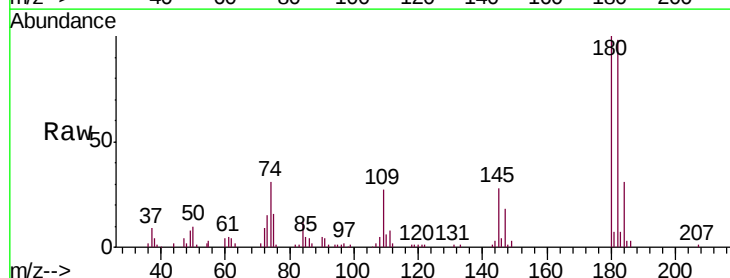
Tgt Ion:180 Resp: 47458

Ion Ratio Lower Upper

180 100

182 94.6 75.7 113.5

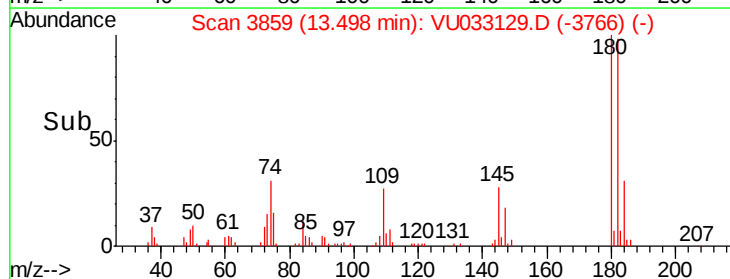
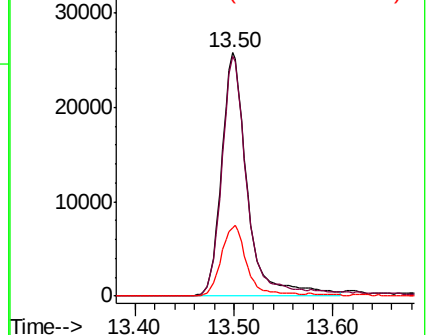
145 28.9 23.1 34.7

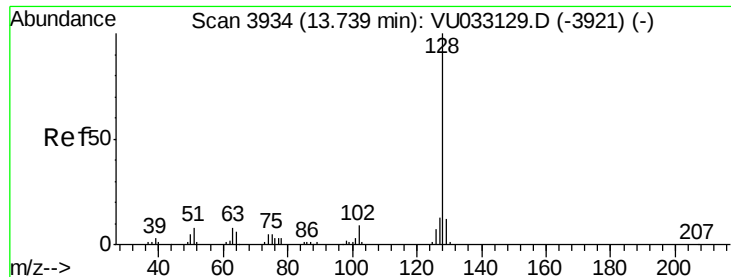


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.697 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU033129.D

Acq: 02 Jul 2019 09:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

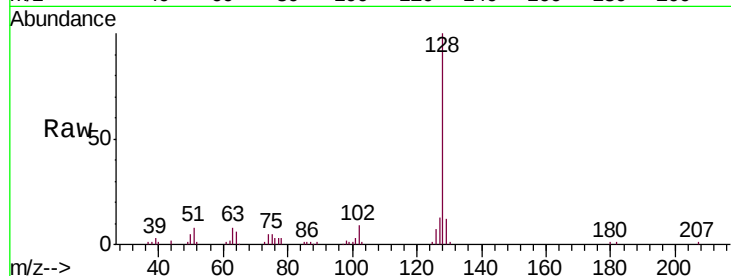
Tgt Ion:128 Resp: 64365

Ion Ratio Lower Upper

128 100

129 10.5 8.4 12.6

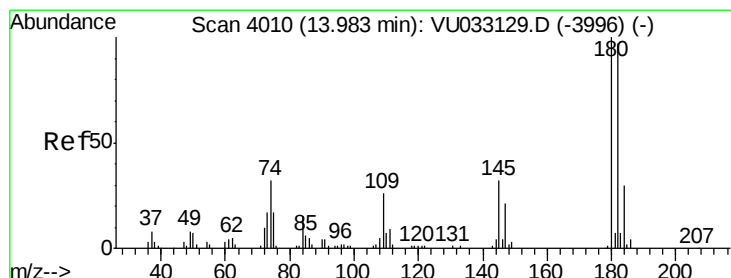
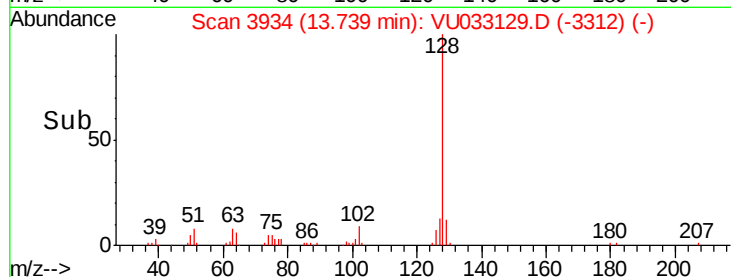
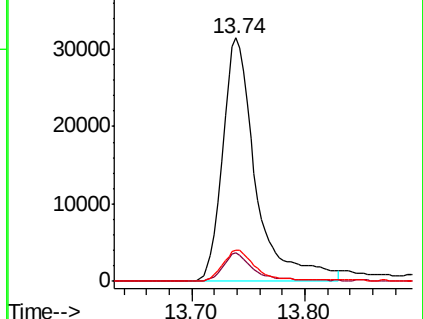
127 12.8 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.920 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU033129.D

Acq: 02 Jul 2019 09:41

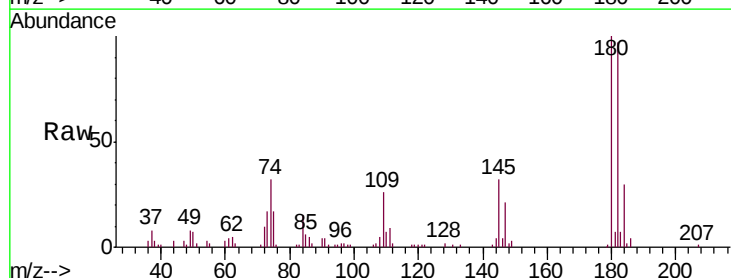
Tgt Ion:180 Resp: 44720

Ion Ratio Lower Upper

180 100

182 99.9 79.9 119.9

145 31.8 25.4 38.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

