

Data File : VU033128.D
Acq On : 02 Jul 2019 09:17
Operator : JC/SP
Sample : VSTD00103
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

Quant Time: Jul 03 01:28:14 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	100893	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	100320	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	51211	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	5344	0.81	ug/L	0.00
7) Chloroethane-d5	1.68	69	4823	0.89	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	12080	0.84	ug/L	0.00
20) 2-Butanone-d5	4.20	46	17752	8.71	ug/L	0.00
24) Chloroform-d	4.64	84	11928	0.86	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	7182	0.91	ug/L	0.00
32) Benzene-d6	5.33	84	20822	0.85	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	7342	0.92	ug/L	0.00
41) Toluene-d8	7.56	98	19865	0.84	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	2879	0.86	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	10215	7.35	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	6082	0.88	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	7966	0.83	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	10247	0.992 ug/L	97
3) Chloromethane	1.32	50	9966	1.013 ug/L	97
5) Vinyl chloride	1.40	62	9602	0.973 ug/L	100
6) Bromomethane	1.63	94	5733	1.076 ug/L	94
8) Chloroethane	1.69	64	5871	1.019 ug/L	99
9) Trichlorofluoromethane	1.88	101	13626	0.976 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	7288	1.009 ug/L	98
12) 1,1-Dichloroethene	2.28	96	6420	0.959 ug/L	93
13) Acetone	2.33	43	16538	9.674 ug/L	99
14) Carbon disulfide	2.47	76	21331	0.960 ug/L	96
15) Methyl Acetate	2.62	43	3828	0.963 ug/L	97
16) Methylene chloride	2.69	84	7768	1.006 ug/L	89
17) Methyl tert-butyl Ether	3.00	73	18928	1.009 ug/L	98
18) trans-1,2-Dichloroethene	2.98	96	7387	1.006 ug/L	90
19) 1,1-Dichloroethane	3.44	63	14562	1.008 ug/L	93
21) 2-Butanone	4.28	43	23834	9.834 ug/L	95
22) cis-1,2-Dichloroethene	4.22	96	7713	0.960 ug/L	91
23) Bromochloromethane	4.54	128	3913	1.103 ug/L	97
25) Chloroform	4.67	83	16460	1.112 ug/L	99
27) 1,2-Dichloroethane	5.40	62	10330	1.021 ug/L	# 95
29) 1,1,1-Trichloroethane	4.91	97	13432	1.052 ug/L	95
30) Cyclohexane	4.98	56	11326	0.963 ug/L	98
31) Carbon tetrachloride	5.12	117	11621	1.009 ug/L	97
33) Benzene	5.38	78	29054	0.985 ug/L	100
34) Trichloroethene	6.18	95	7988	0.989 ug/L	93
35) Methylcyclohexane	6.40	83	10791	0.892 ug/L	95
37) 1,2-Dichloropropane	6.43	63	8008	1.008 ug/L	# 94
38) Bromodichloromethane	6.75	83	10529	1.009 ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	10696	0.922 ug/L	90
40) 4-Methyl-2-pentanone	7.46	43	51194	9.331 ug/L	99

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	29894	0.947	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	8750	0.933	ug/L	95
45) 1,1,2-Trichloroethane	8.06	97	5751	1.028	ug/L	96
47) Tetrachloroethene	8.22	164	6725	1.033	ug/L	95
48) 2-Hexanone	8.36	43	36406	9.294	ug/L	96
49) Dibromochloromethane	8.48	129	6588	0.940	ug/L	93
50) 1,2-Dibromoethane	8.58	107	5249	0.966	ug/L #	97
51) Chlorobenzene	9.12	112	20571	0.985	ug/L	97
52) Ethylbenzene	9.24	91	32719	0.943	ug/L	98
53) m,p-Xylene	9.37	106	11680	0.927	ug/L	100
54) o-Xylene	9.77	106	11086	0.905	ug/L	96
55) Styrene	9.79	104	18260	0.881	ug/L	97
56) Isopropylbenzene	10.16	105	29839	0.893	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	6913	0.966	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	5363	1.013	ug/L	96
61) Bromoform	9.95	173	3676	0.949	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	15507	0.968	ug/L	96
63) 1,4-Dichlorobenzene	11.50	146	16607	0.993	ug/L	95
65) 1,2-Dichlorobenzene	11.87	146	15539	0.998	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	918	0.875	ug/L	90
67) 1,3,5-Trichlorobenzene	12.88	180	12167	0.961	ug/L	96
68) 1,2,4-trichlorobenzene	13.50	180	6481	0.721	ug/L	95
69) Naphthalene	13.75	128	6475	0.490	ug/L #	96
70) 1,2,3-Trichlorobenzene	13.99	180	5920	0.676	ug/L	94

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

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Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

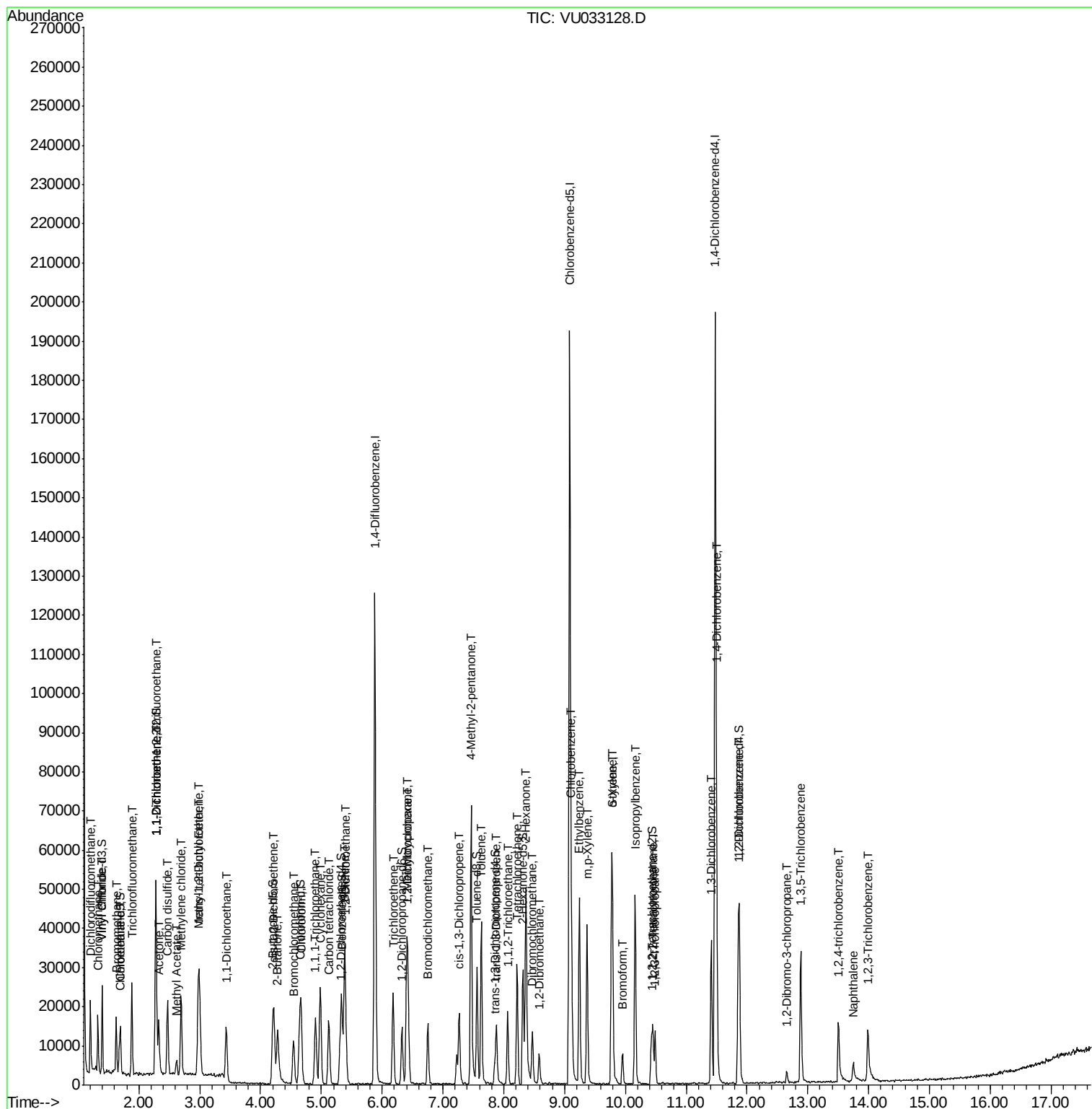
Quant Time: Jul 03 01:28:14 2019

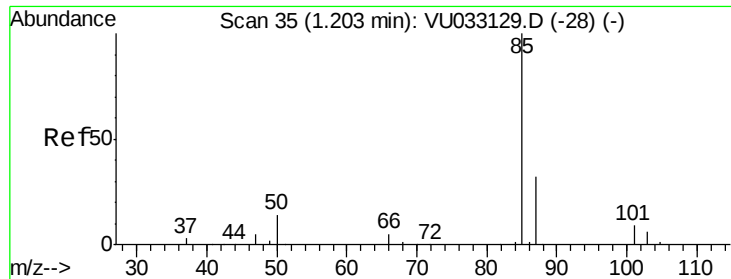
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMUTR070219WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Wed Jul 03 01:24:58 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.992 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU033128.D

Acq: 02 Jul 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

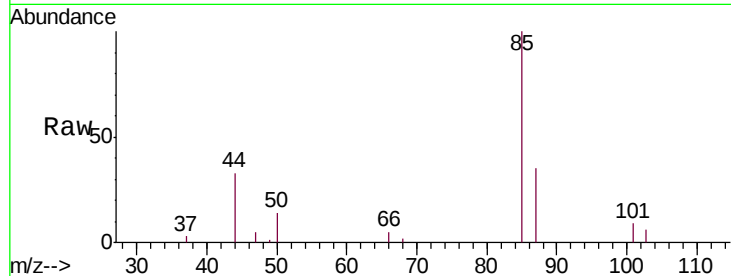
VSTD00103

Tgt Ion: 85 Resp: 10247

Ion Ratio Lower Upper

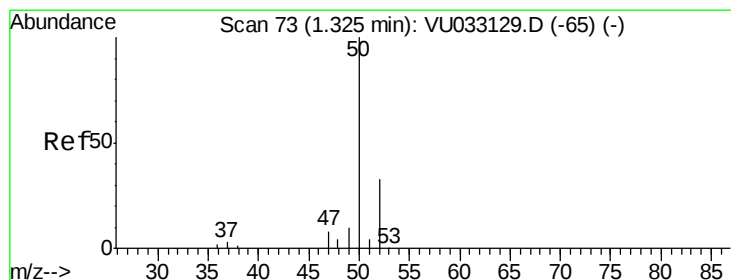
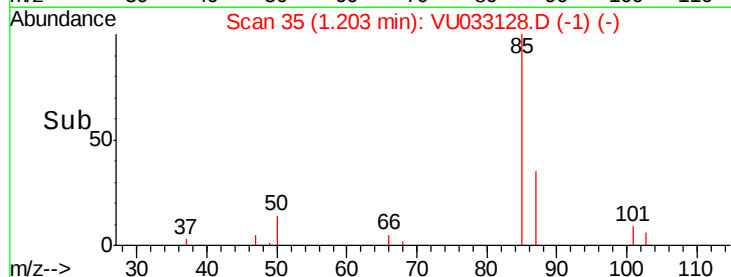
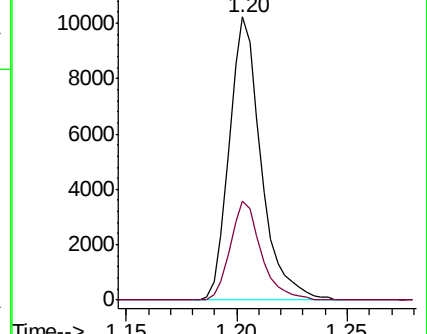
85 100

87 33.8 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: 1.013 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU033128.D

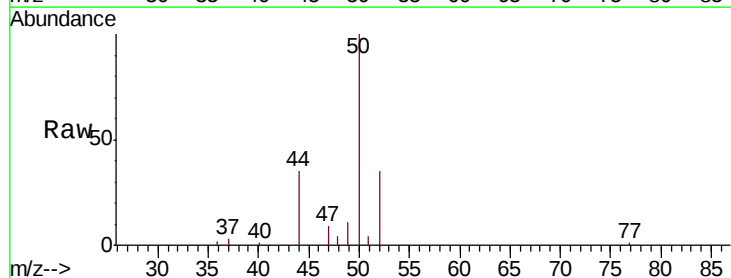
Acq: 02 Jul 2019 09:17

Tgt Ion: 50 Resp: 9966

Ion Ratio Lower Upper

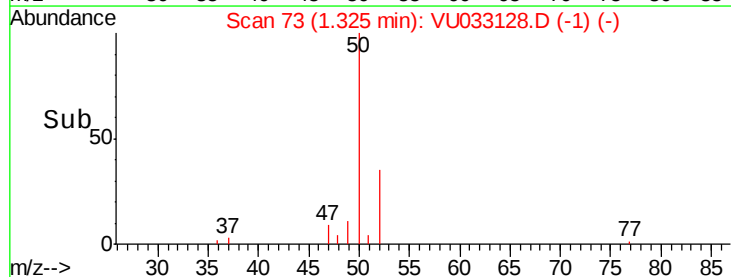
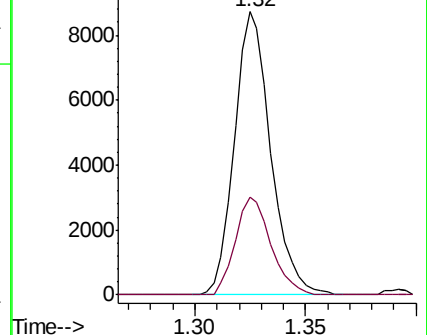
50 100

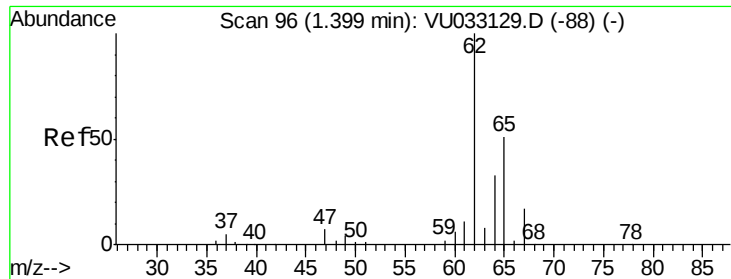
52 34.8 23.0 42.6



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: 0.973 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU033128.D

Acq: 02 Jul 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

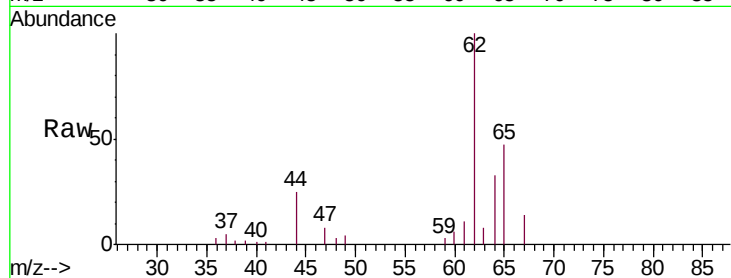
VSTD00103

Tgt Ion: 62 Resp: 9602

Ion Ratio Lower Upper

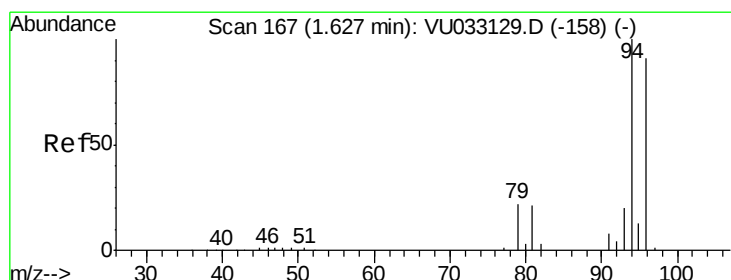
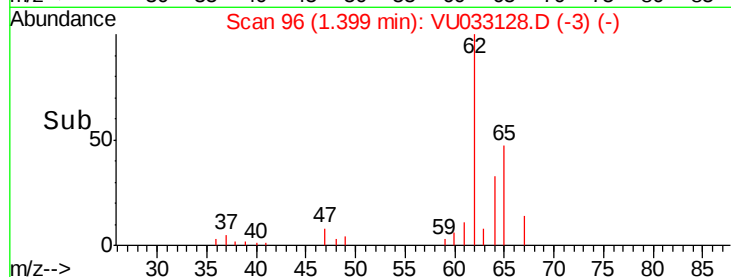
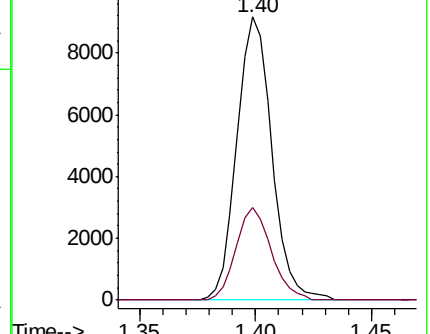
62 100

64 32.6 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 1.076 ug/L

RT: 1.63 min Scan# 167

Delta R.T. -0.00 min

Lab File: VU033128.D

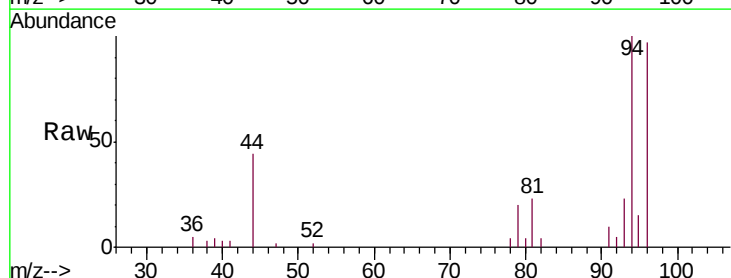
Acq: 02 Jul 2019 09:17

Tgt Ion: 94 Resp: 5733

Ion Ratio Lower Upper

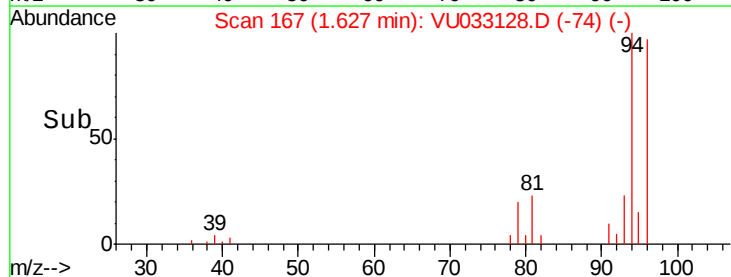
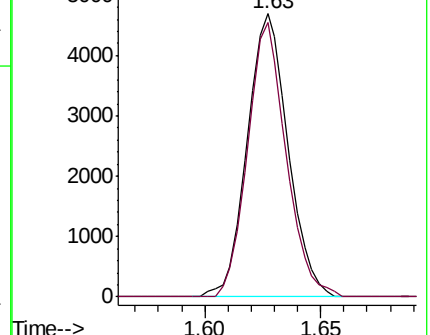
94 100

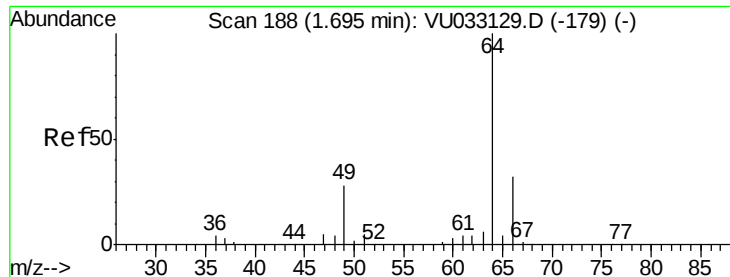
96 97.0 63.7 118.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 1.019 ug/L

RT: 1.69 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU033128.D

Acq: 02 Jul 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

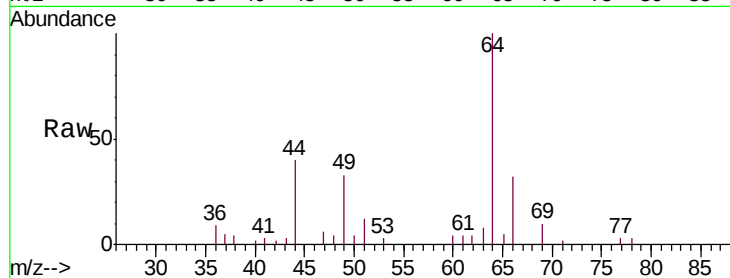
VSTD00103

Tgt Ion: 64 Resp: 5871

Ion Ratio Lower Upper

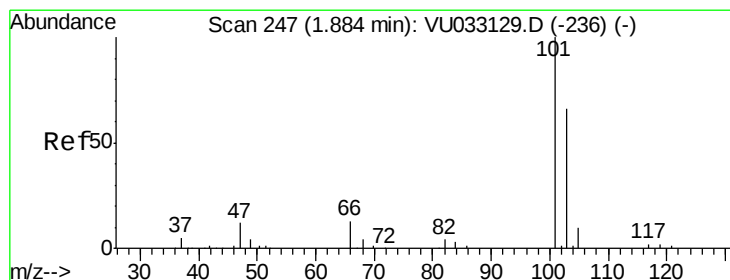
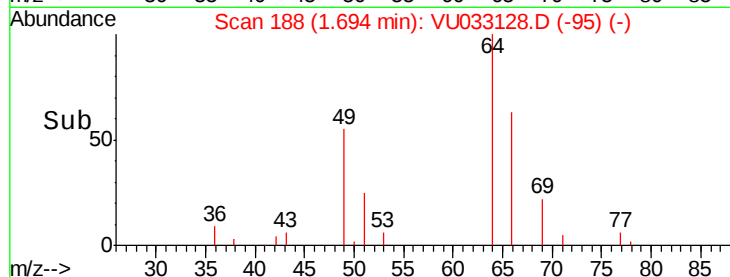
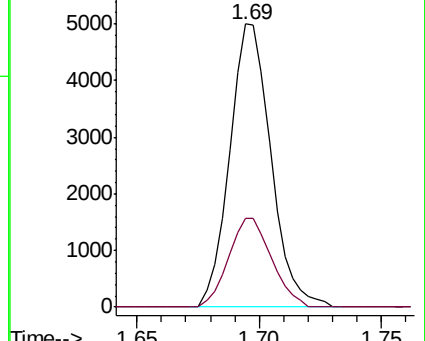
64 100

66 31.6 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VU033128.D (-179) (-)

Ion 66.05 (65.75 to 66.75): VU033128.D (-179) (-)



#9

Trichlorofluoromethane

Concen: 0.976 ug/L

RT: 1.88 min Scan# 247

Delta R.T. -0.00 min

Lab File: VU033128.D

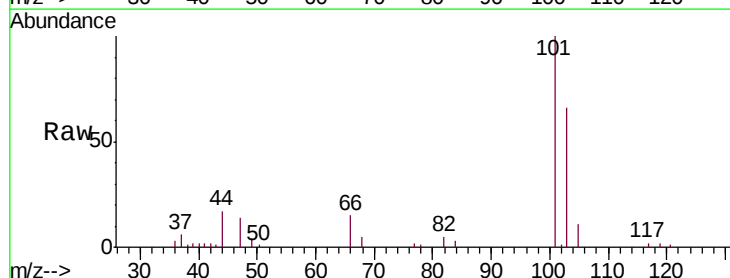
Acq: 02 Jul 2019 09:17

Tgt Ion: 101 Resp: 13626

Ion Ratio Lower Upper

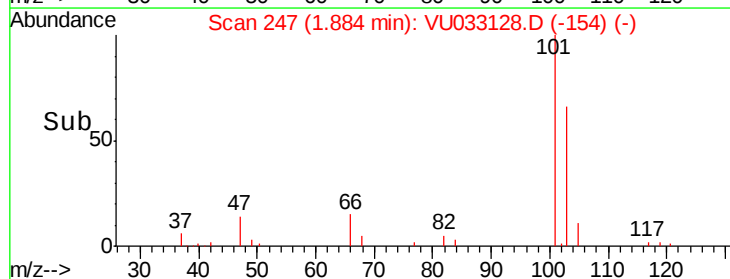
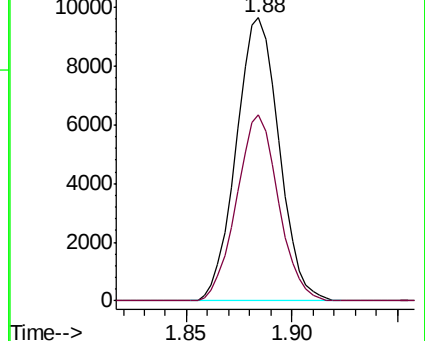
101 100

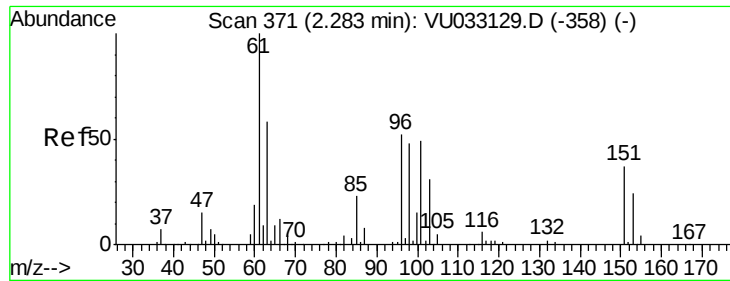
103 64.1 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VU033128.D (-236) (-)

Ion 103.00 (102.70 to 103.70): VU033128.D (-236) (-)





#10

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

Concen: 1.009 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU033128.D

Acq: 02 Jul 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

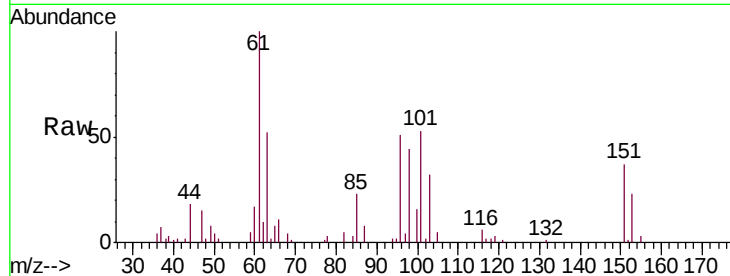
Tgt Ion: 101 Resp: 7288

Ion Ratio Lower Upper

101 100

85 46.3 38.0 57.0

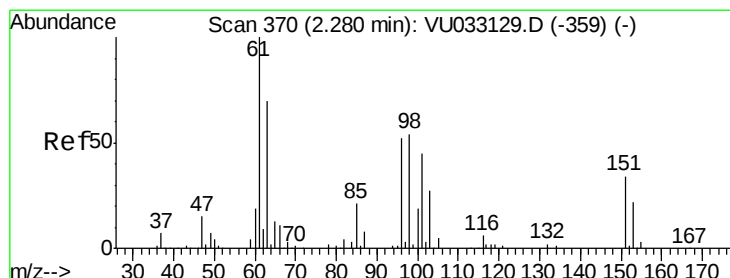
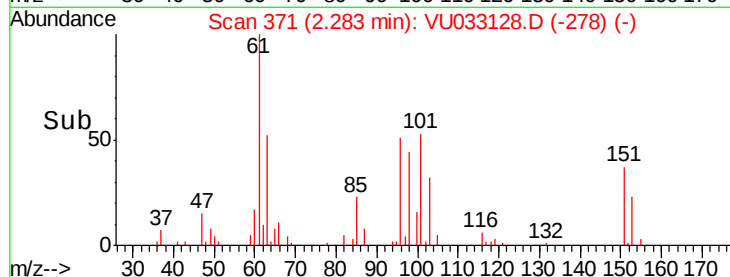
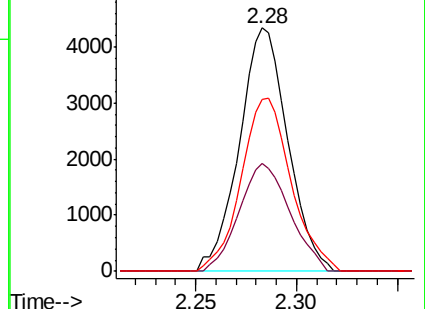
151 73.4 60.6 91.0



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: 0.959 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU033128.D

Acq: 02 Jul 2019 09:17

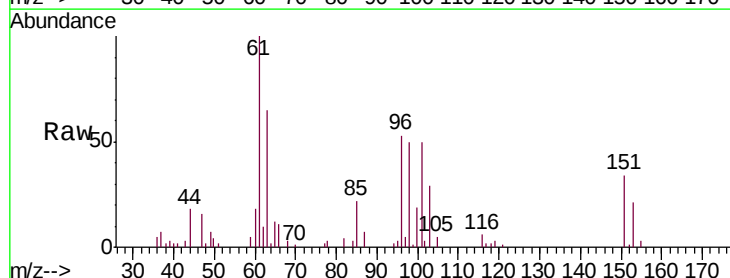
Tgt Ion: 96 Resp: 6420

Ion Ratio Lower Upper

96 100

61 190.4 135.5 251.7

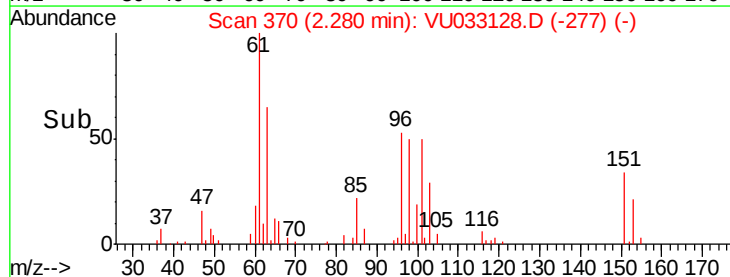
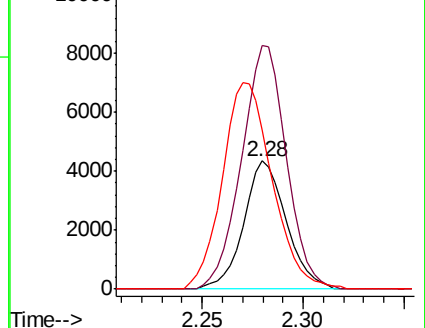
63 124.3 98.0 182.0

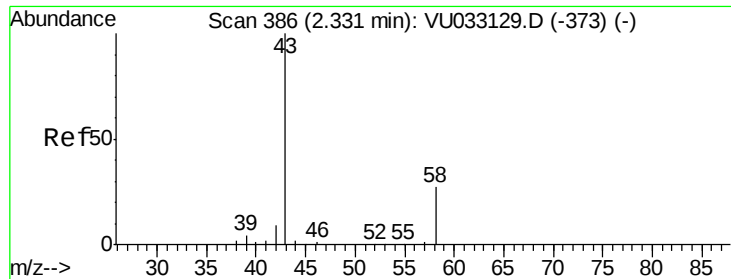


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 9.674 ug/L

RT: 2.33 min Scan# 385

Delta R.T. -0.00 min

Lab File: VU033128.D

Acq: 02 Jul 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

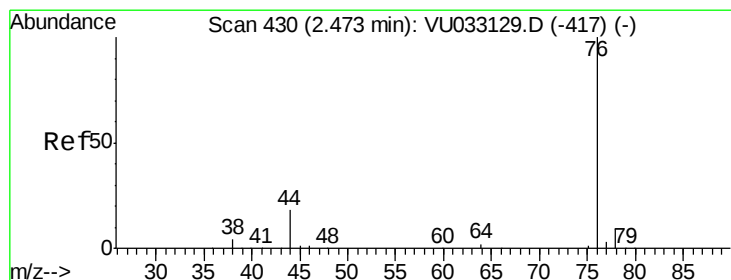
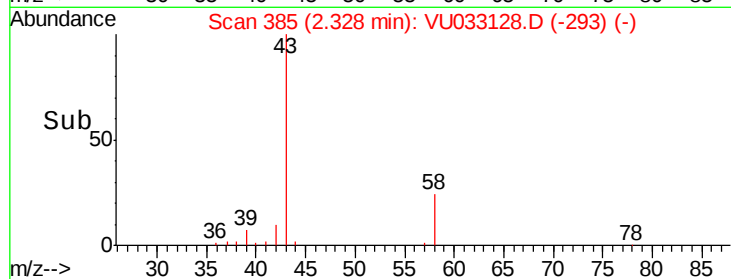
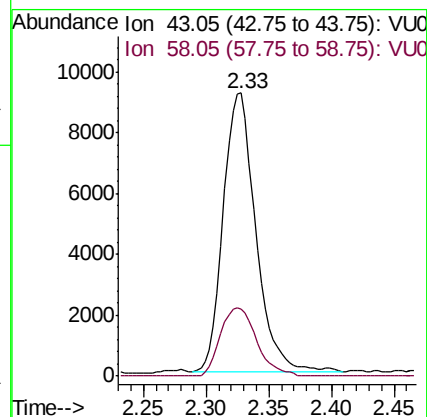
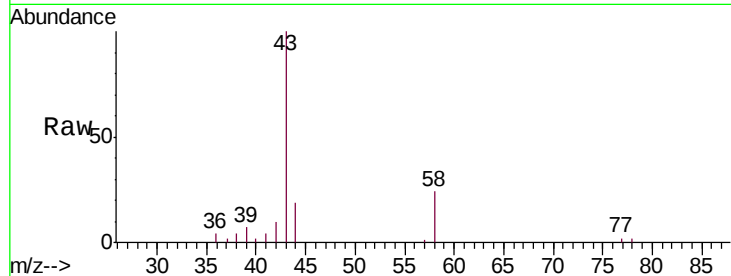
VSTD00103

Tgt Ion: 43 Resp: 16538

Ion Ratio Lower Upper

43 100

58 27.3 0.0 55.4



#14

Carbon disulfide

Concen: 0.960 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU033128.D

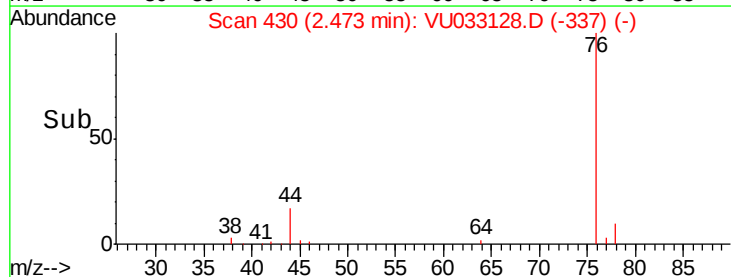
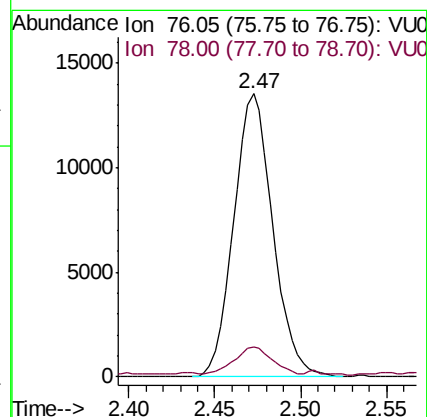
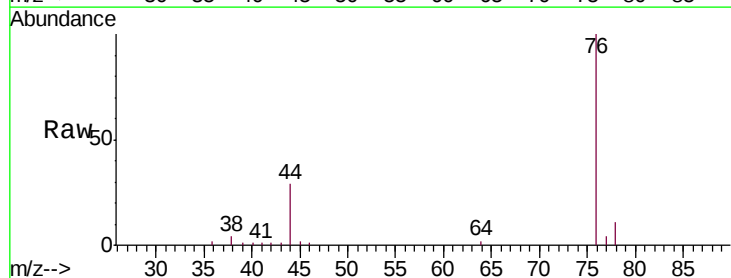
Acq: 02 Jul 2019 09:17

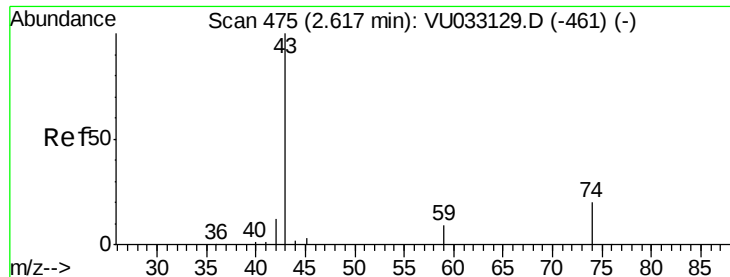
Tgt Ion: 76 Resp: 21331

Ion Ratio Lower Upper

76 100

78 10.6 7.2 10.8





#15

Methyl Acetate

Concen: 0.963 ug/L

RT: 2.62 min Scan# 475

Delta R.T. -0.00 min

Lab File: VU033128.D

Acq: 02 Jul 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

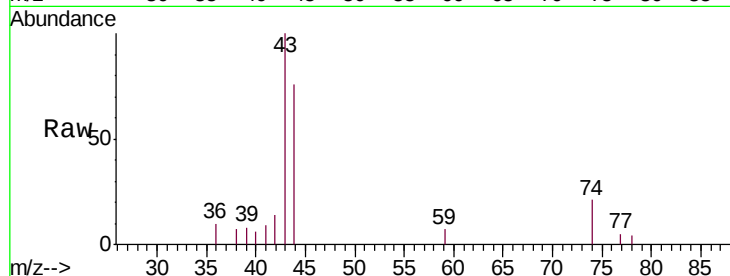
VSTD00103

Tgt Ion: 43 Resp: 3828

Ion Ratio Lower Upper

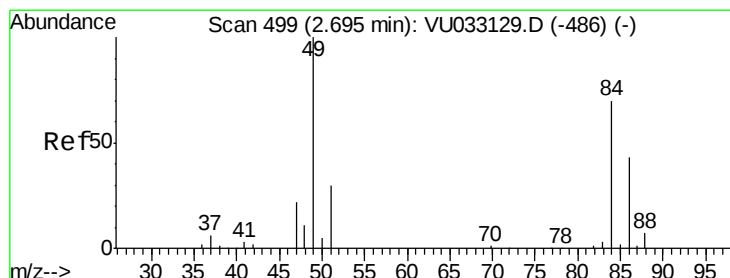
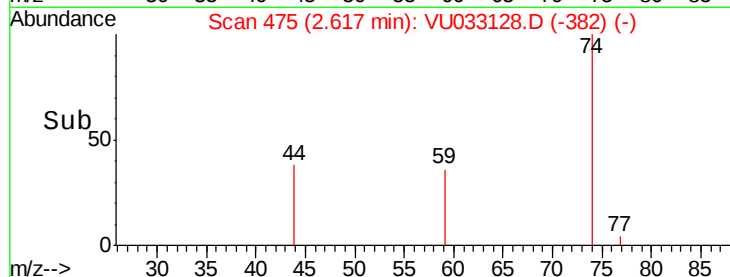
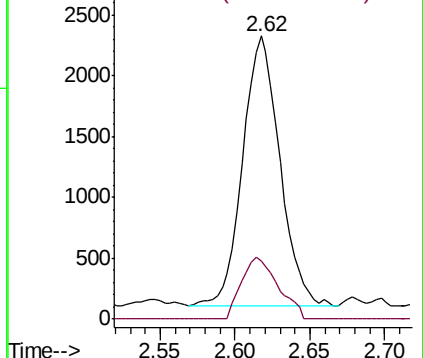
43 100

74 22.6 16.8 25.2



Abundance Ion 43.05 (42.75 to 43.75): VU033128.D (-382) (-)

Ion 74.05 (73.75 to 74.75): VU033128.D (-382) (-)



#16

Methylene chloride

Concen: 1.006 ug/L

RT: 2.69 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU033128.D

Acq: 02 Jul 2019 09:17

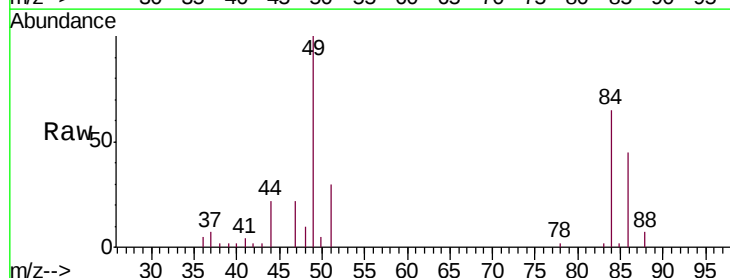
Tgt Ion: 84 Resp: 7768

Ion Ratio Lower Upper

84 100

86 70.0 42.8 79.6

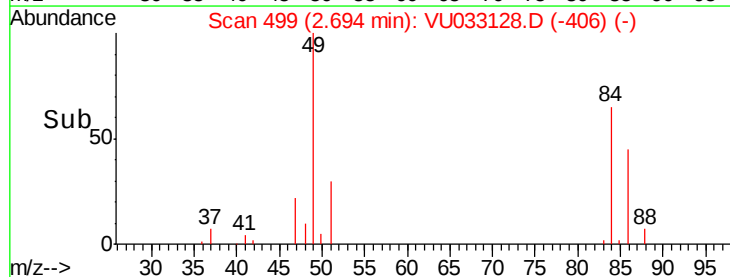
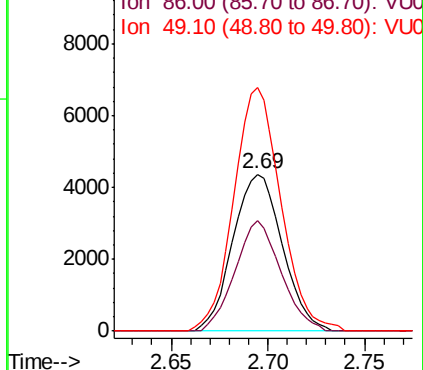
49 155.0 99.5 184.9

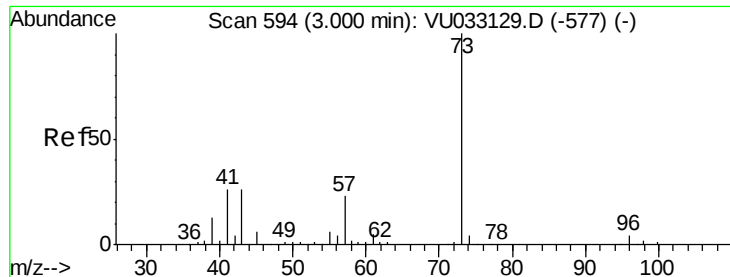


Abundance Ion 84.05 (83.75 to 84.75): VU033128.D (-406) (-)

Ion 86.00 (85.70 to 86.70): VU033128.D (-406) (-)

Ion 49.10 (48.80 to 49.80): VU033128.D (-406) (-)

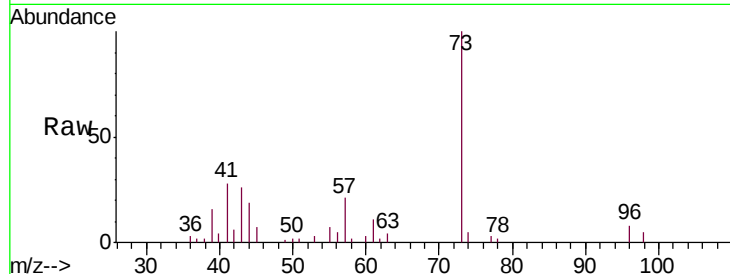




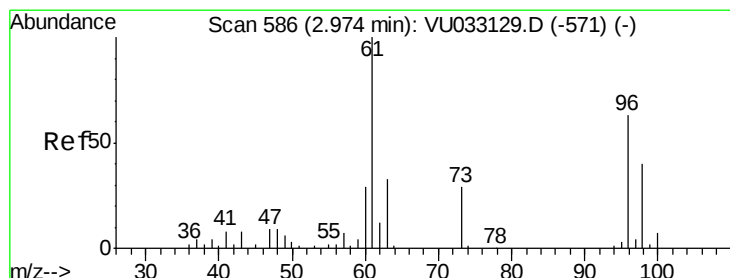
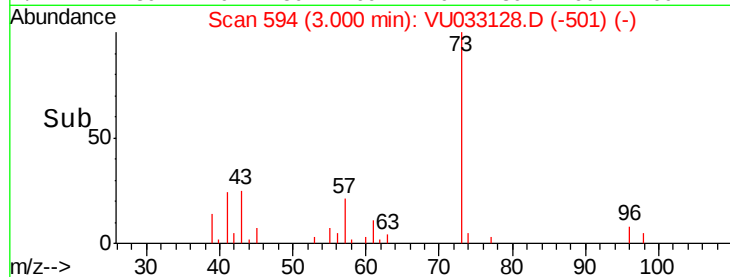
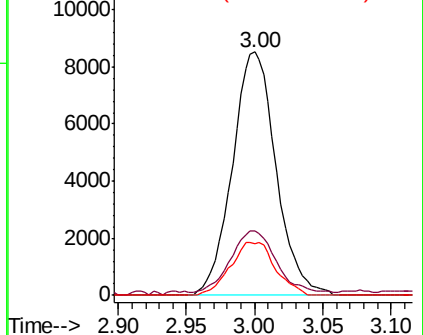
#17
Methyl tert-butyl Ether
Concen: 1.009 ug/L
RT: 3.00 min Scan# 594
Delta R.T. -0.00 min
Lab File: VU033128.D
Acq: 02 Jul 2019 09:17

Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

Tgt Ion: 73 Resp: 18928
Ion Ratio Lower Upper
73 100
43 26.7 20.6 30.8
57 22.3 18.3 27.5

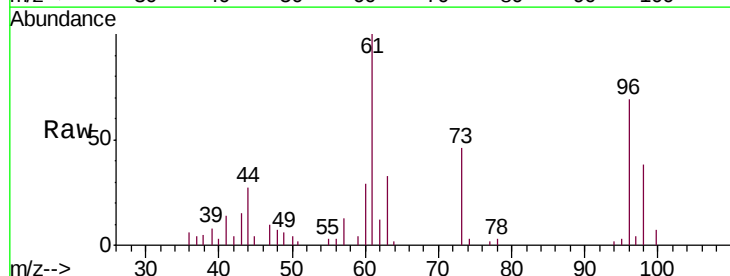


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

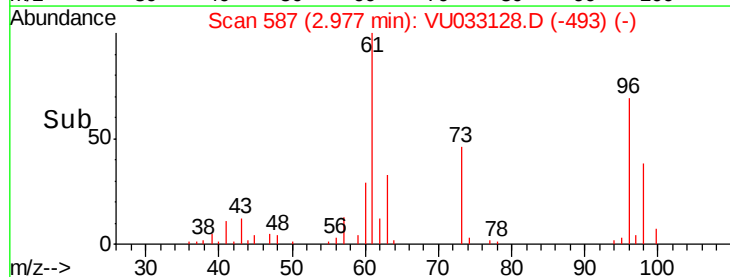
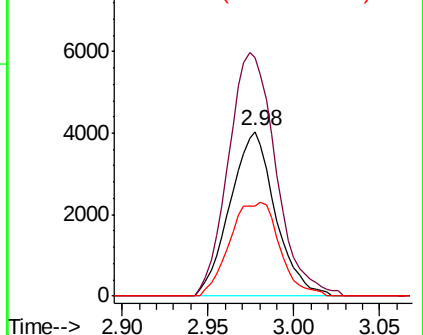


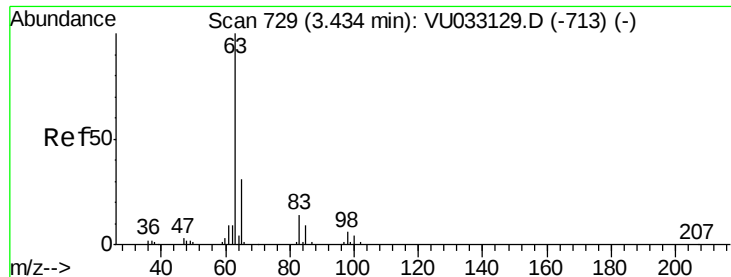
#18
trans-1,2-Dichloroethene
Concen: 1.006 ug/L
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU033128.D
Acq: 02 Jul 2019 09:17

Tgt Ion: 96 Resp: 7387
Ion Ratio Lower Upper
96 100
61 145.1 111.3 206.7
98 55.1 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

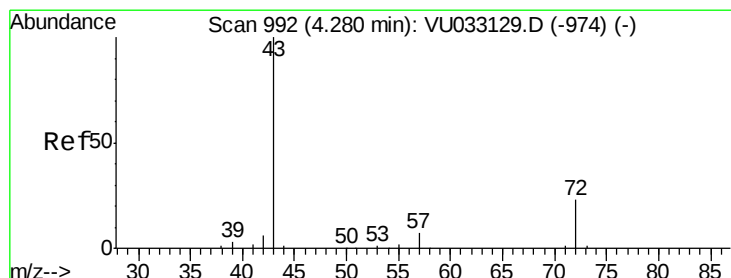
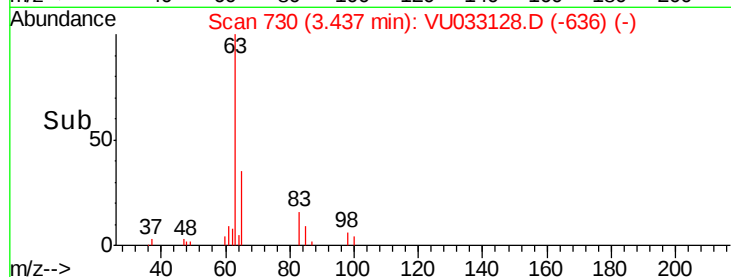
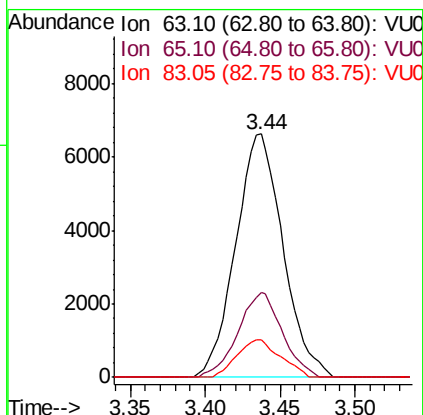
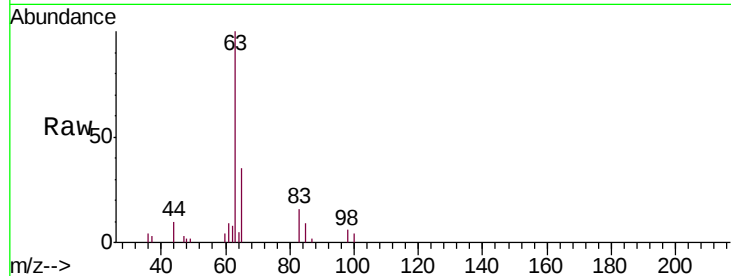




#19
 1,1-Dichloroethane
 Concen: 1.008 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU033128.D
 Acq: 02 Jul 2019 09:17

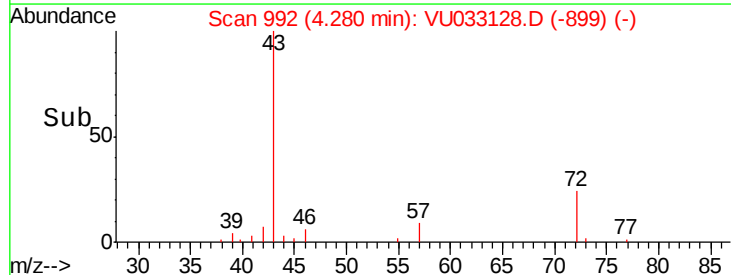
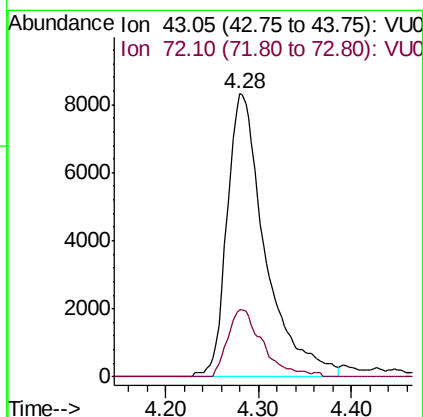
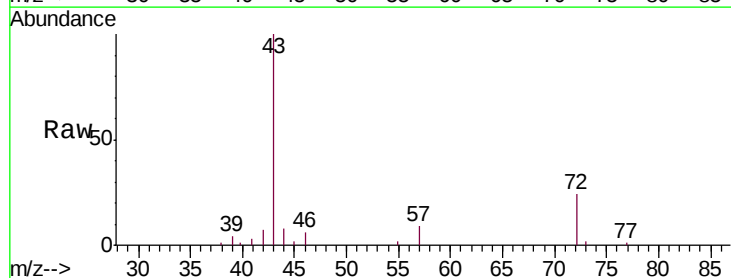
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

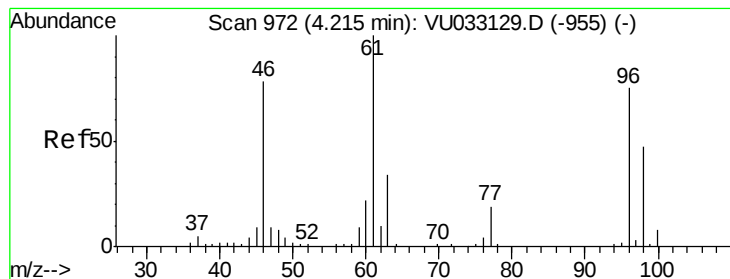
Tgt Ion: 63 Resp: 14562
 Ion Ratio Lower Upper
 63 100
 65 35.1 21.4 39.8
 83 15.5 9.9 18.3



#21
 2-Butanone
 Concen: 9.834 ug/L
 RT: 4.28 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VU033128.D
 Acq: 02 Jul 2019 09:17

Tgt Ion: 43 Resp: 23834
 Ion Ratio Lower Upper
 43 100
 72 21.9 12.1 36.3



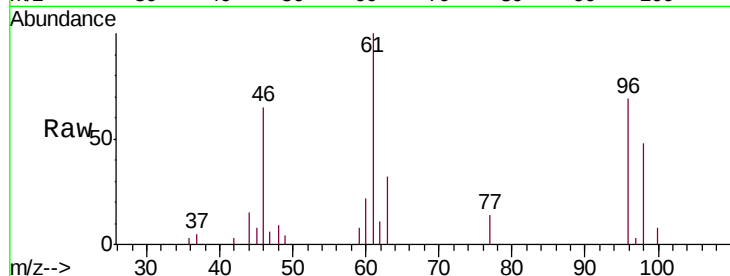


#22

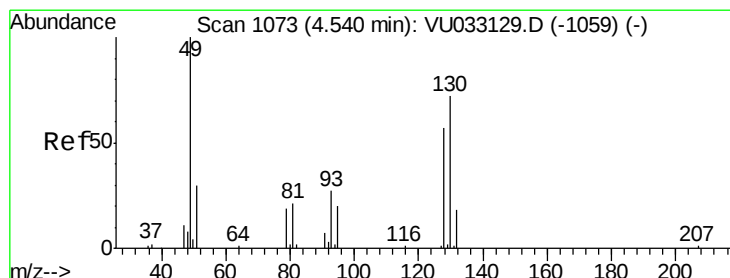
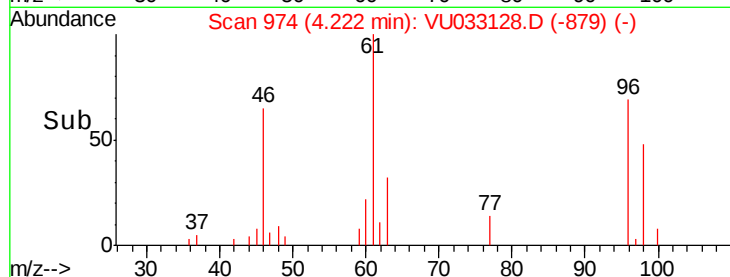
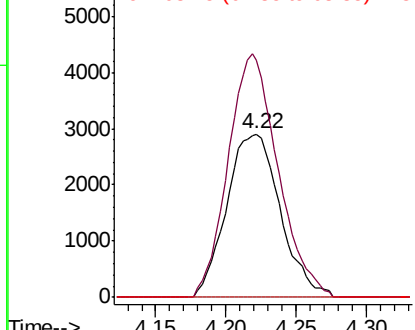
cis-1,2-Dichloroethene
 Concen: 0.960 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.01 min
 Lab File: VU033128.D
 Acq: 02 Jul 2019 09:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

Tgt Ion: 96 Resp: 7713
 Ion Ratio Lower Upper
 96 100
 61 145.4 93.9 174.5
 68 0.0 0.0 0.0



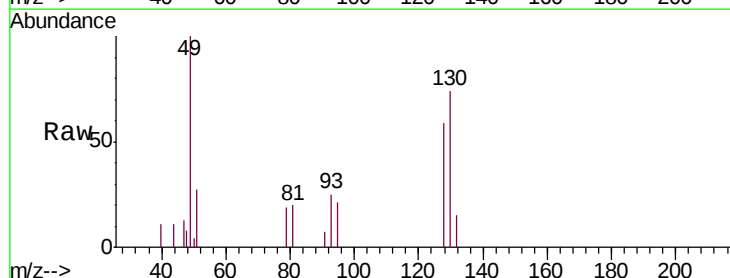
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



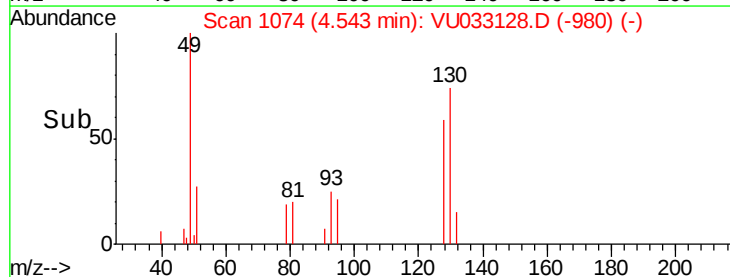
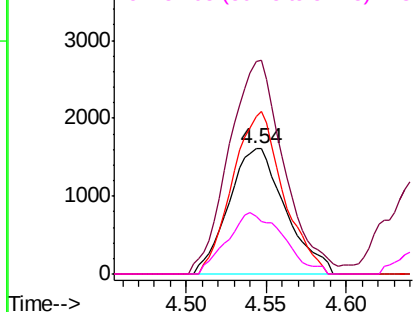
#23

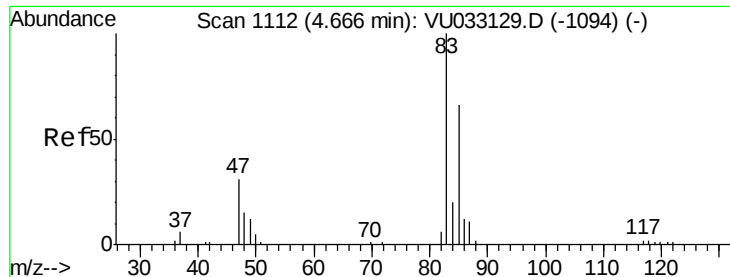
Bromochloromethane
 Concen: 1.103 ug/L
 RT: 4.54 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VU033128.D
 Acq: 02 Jul 2019 09:17

Tgt Ion: 128 Resp: 3913
 Ion Ratio Lower Upper
 128 100
 49 170.4 122.7 227.9
 130 125.8 88.1 163.5
 51 45.7 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

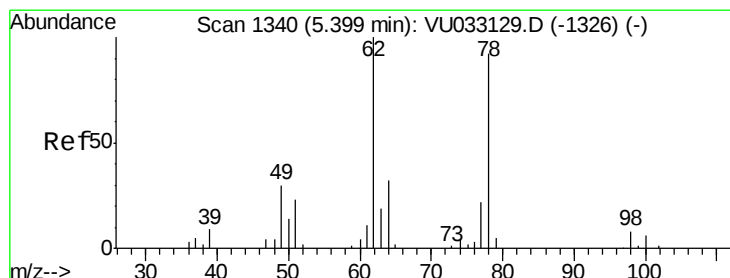
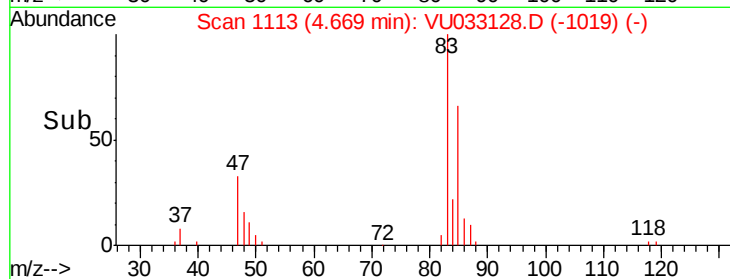
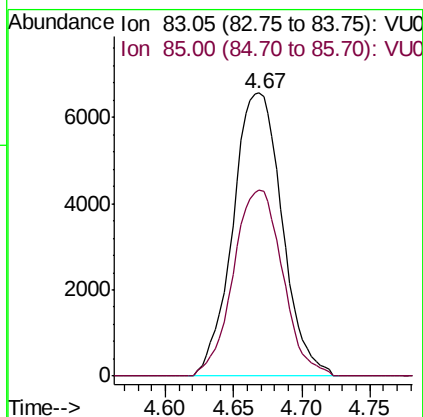
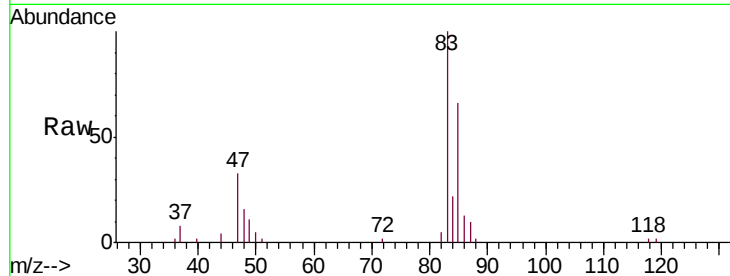




#25
Chloroform
Concen: 1.112 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU033128.D
Acq: 02 Jul 2019 09:17

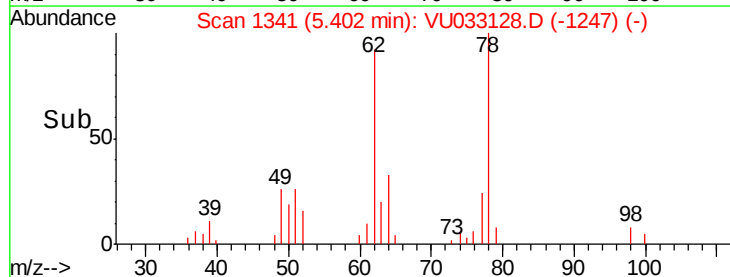
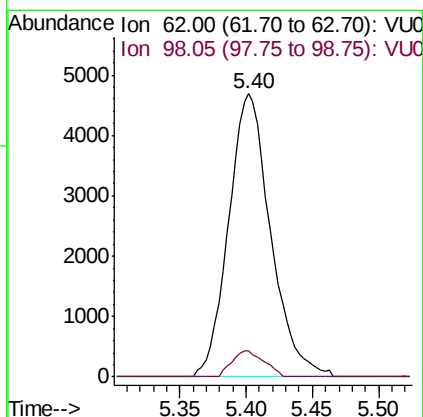
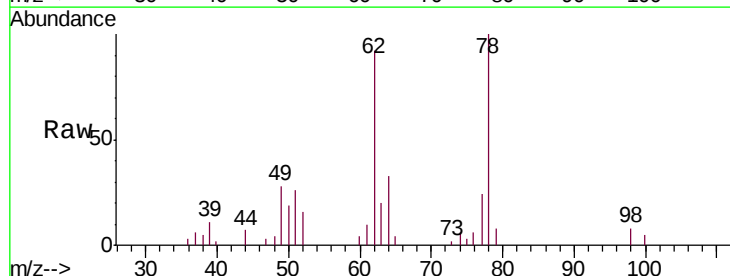
Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

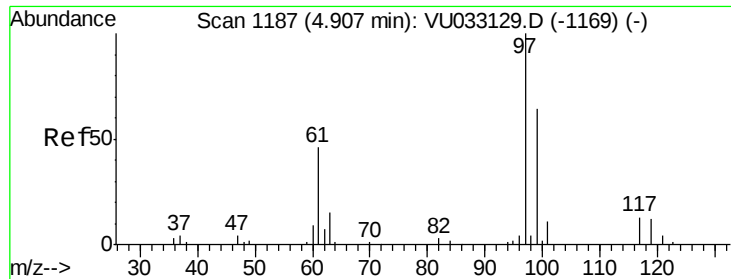
Tgt Ion: 83 Resp: 16460
Ion Ratio Lower Upper
83 100
85 65.8 46.6 86.6



#27
1,2-Dichloroethane
Concen: 1.021 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VU033128.D
Acq: 02 Jul 2019 09:17

Tgt Ion: 62 Resp: 10330
Ion Ratio Lower Upper
62 100
98 9.2 5.9 8.9#

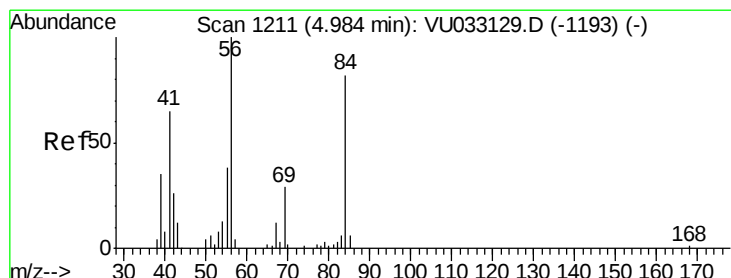
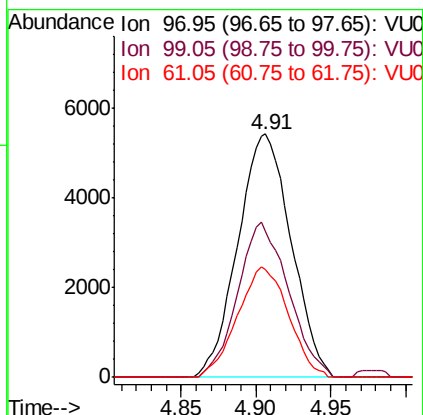
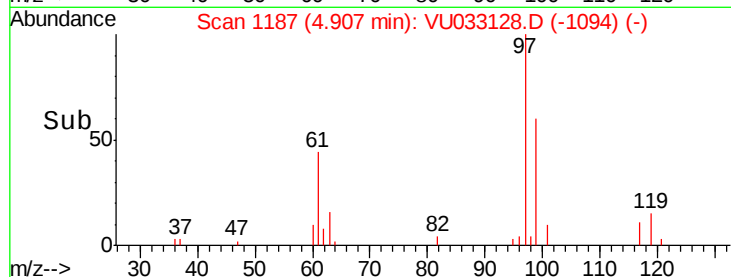
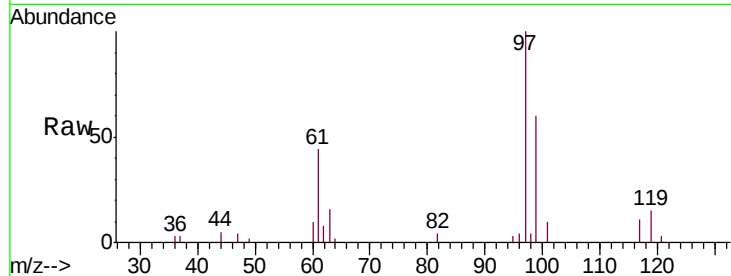




#29
 1,1,1-Trichloroethane
 Concen: 1.052 ug/L
 RT: 4.91 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: VU033128.D
 Acq: 02 Jul 2019 09:17

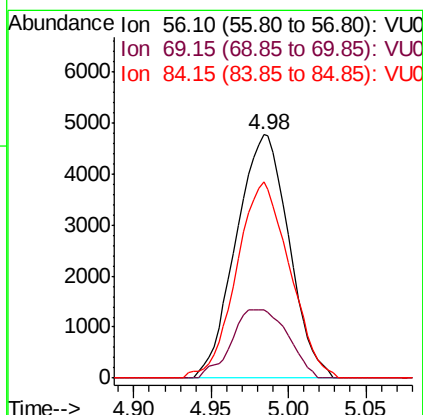
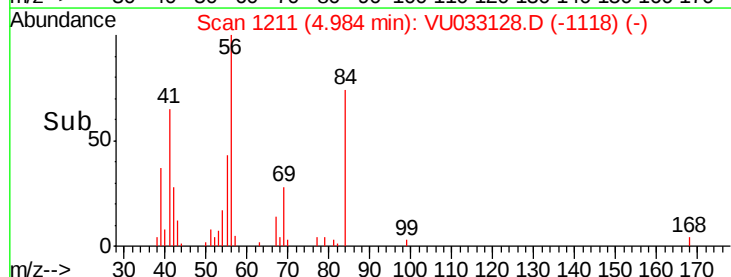
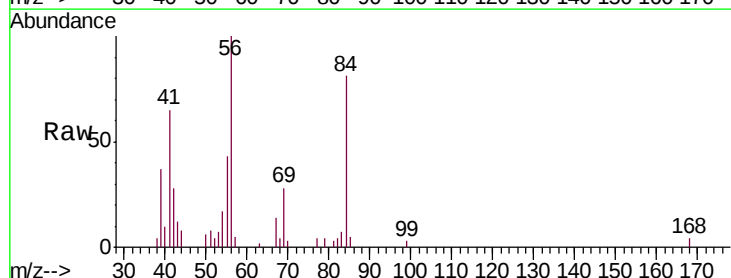
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

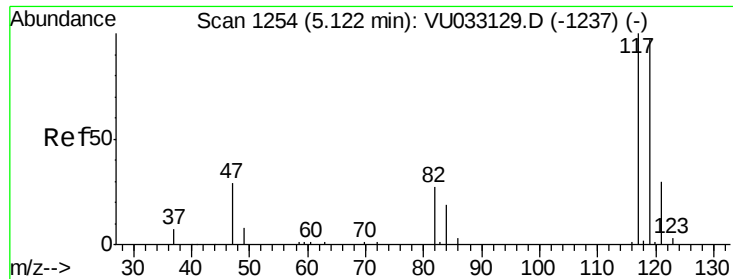
Tgt Ion: 97 Resp: 13432
 Ion Ratio Lower Upper
 97 100
 99 60.6 51.4 77.0
 61 43.3 37.8 56.8



#30
 Cyclohexane
 Concen: 0.963 ug/L
 RT: 4.98 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: VU033128.D
 Acq: 02 Jul 2019 09:17

Tgt Ion: 56 Resp: 11326
 Ion Ratio Lower Upper
 56 100
 69 29.9 23.4 35.0
 84 81.0 66.8 100.2





#31

Carbon tetrachloride

Concen: 1.009 ug/L

RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VU033128.D

Acq: 02 Jul 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

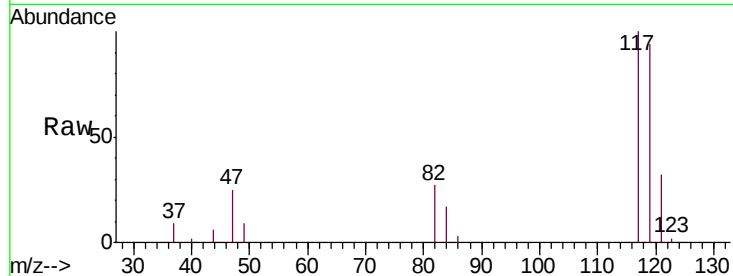
VSTD00103

Tgt Ion:117 Resp: 11621

Ion Ratio Lower Upper

117 100

119 94.6 78.3 117.5

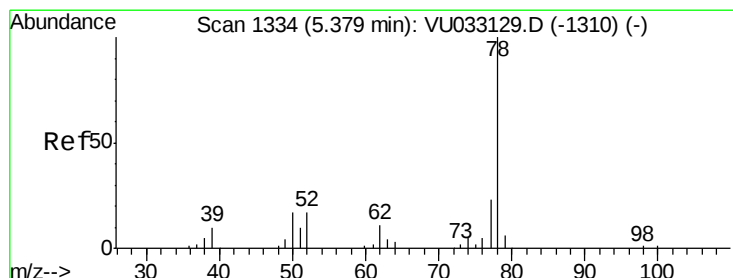
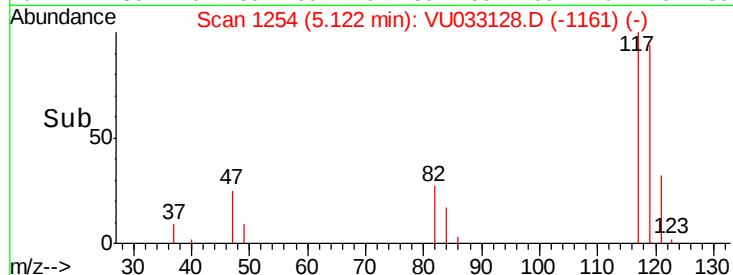


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.12

Time-->



#33

Benzene

Concen: 0.985 ug/L

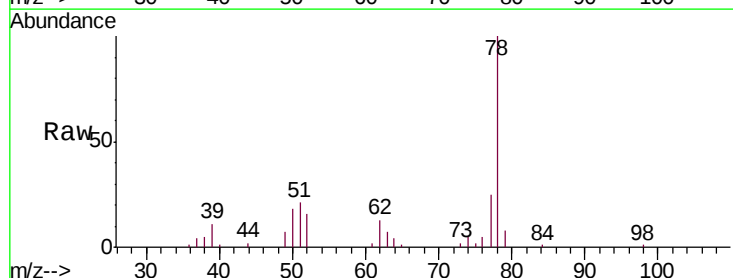
RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU033128.D

Acq: 02 Jul 2019 09:17

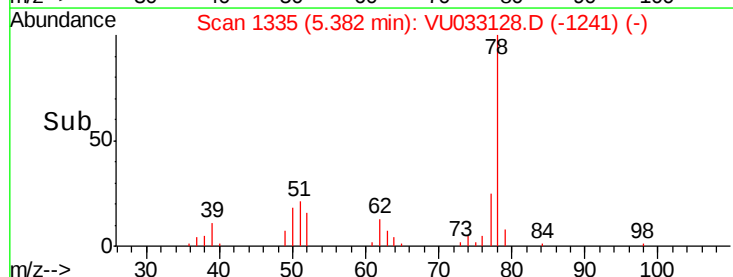
Tgt Ion: 78 Resp: 29054

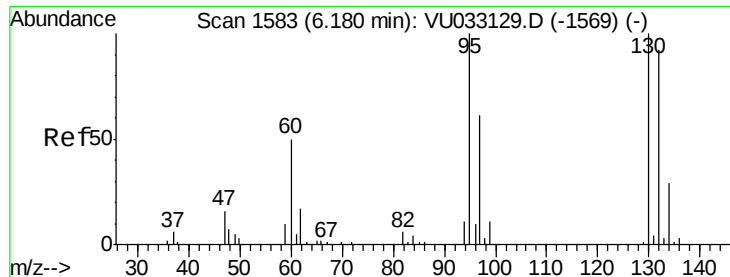


Abundance Ion 78.10 (77.80 to 78.80): VU0

5.38

Time-->





#34

Trichloroethene

Concen: 0.989 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU033128.D

Acq: 02 Jul 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

Tgt Ion: 95 Resp: 7988

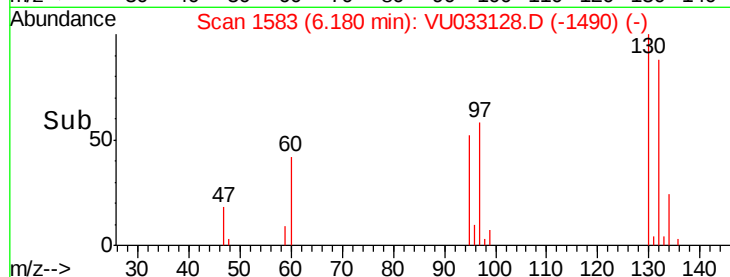
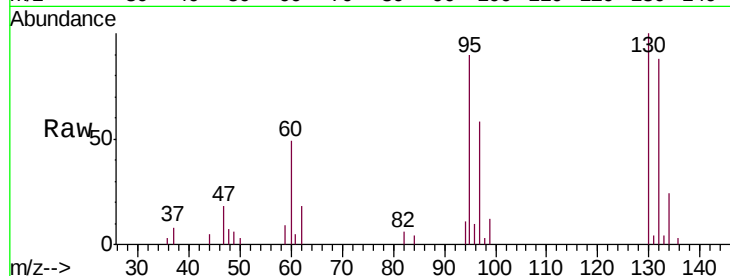
Ion Ratio Lower Upper

95 100

97 64.7 42.8 79.4

132 97.4 64.6 120.0

130 110.6 70.0 130.0

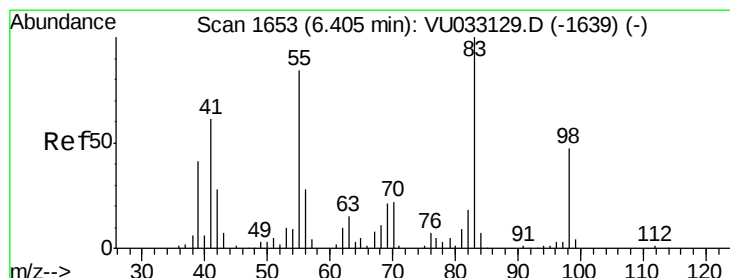
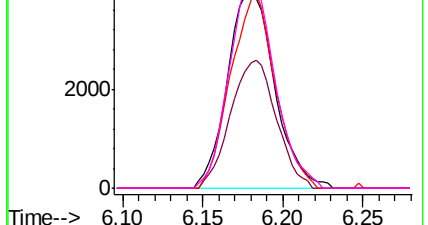


Abundance Ion 95.00 (94.70 to 95.70): VU033128.D (-1490) (-)

Ion 96.95 (96.65 to 97.65): VU033128.D (-1490) (-)

Ion 131.95 (131.65 to 132.65): VU033128.D (-1490) (-)

Ion 129.95 (129.65 to 130.65): VU033128.D (-1490) (-)



#35

Methylcyclohexane

Concen: 0.892 ug/L

RT: 6.40 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VU033128.D

Acq: 02 Jul 2019 09:17

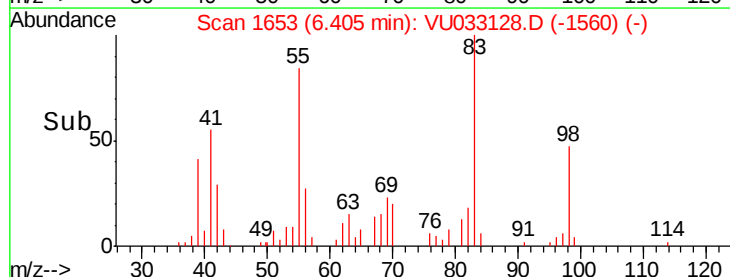
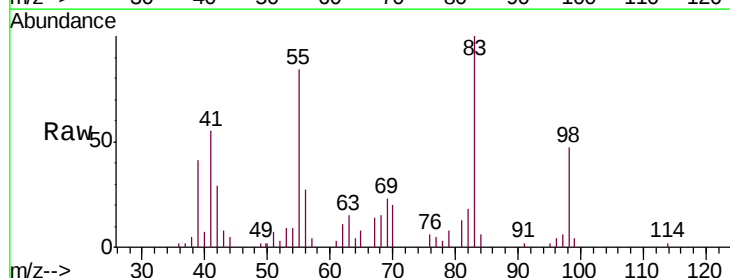
Tgt Ion: 83 Resp: 10791

Ion Ratio Lower Upper

83 100

55 88.9 66.5 99.7

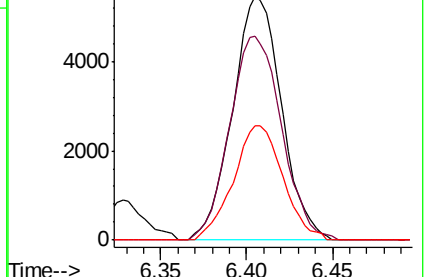
98 47.5 37.1 55.7

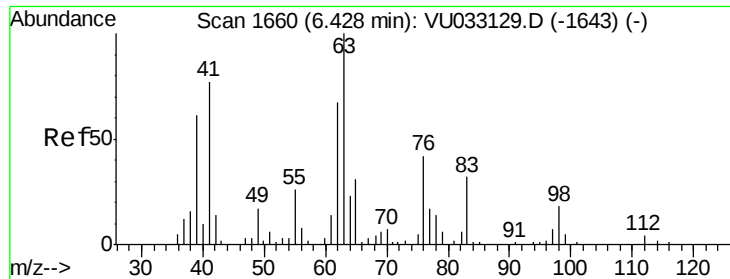


Abundance Ion 83.15 (82.85 to 83.85): VU033128.D (-1560) (-)

Ion 55.10 (54.80 to 55.80): VU033128.D (-1560) (-)

Ion 98.15 (97.85 to 98.85): VU033128.D (-1560) (-)

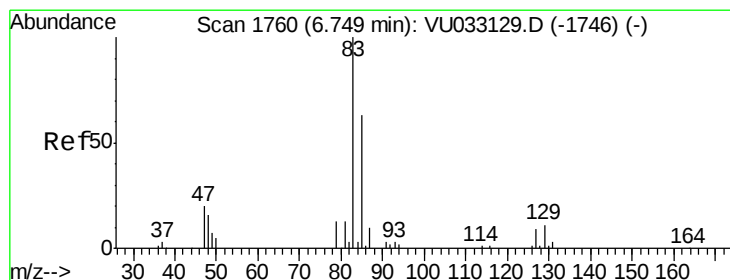
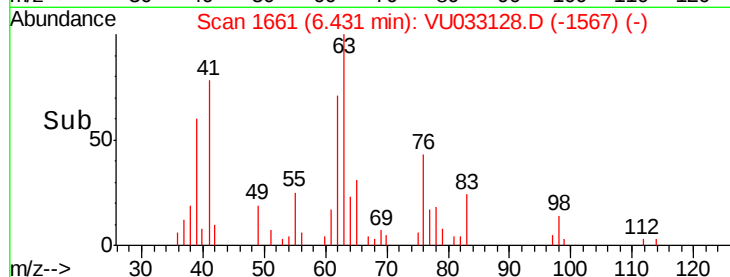
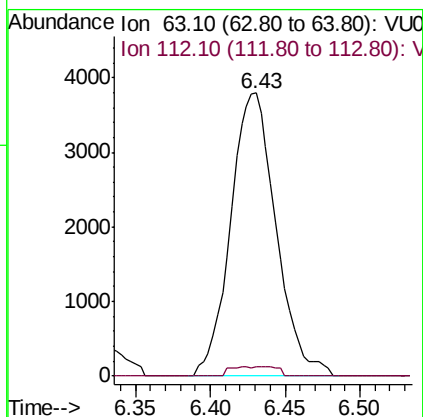
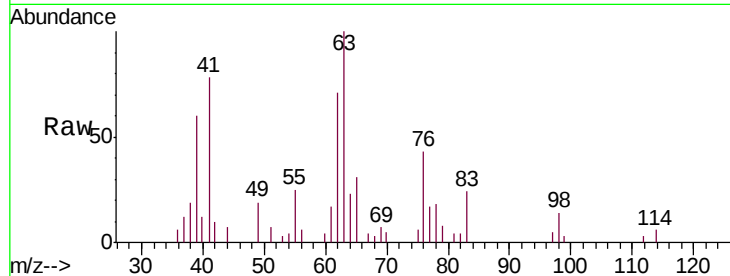




#37
 1,2-Dichloropropane
 Concen: 1.008 ug/L
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU033128.D
 Acq: 02 Jul 2019 09:17

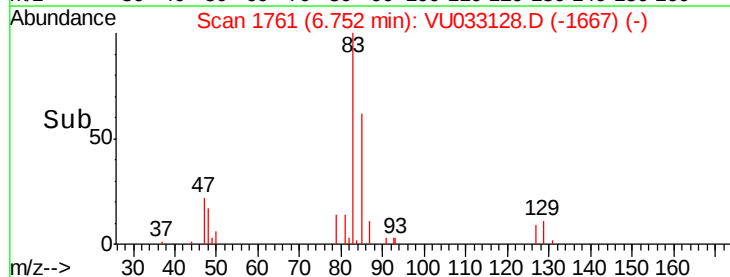
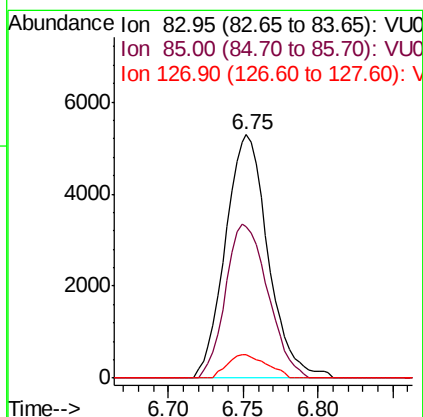
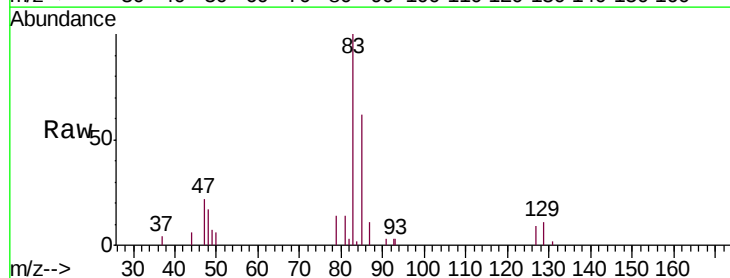
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

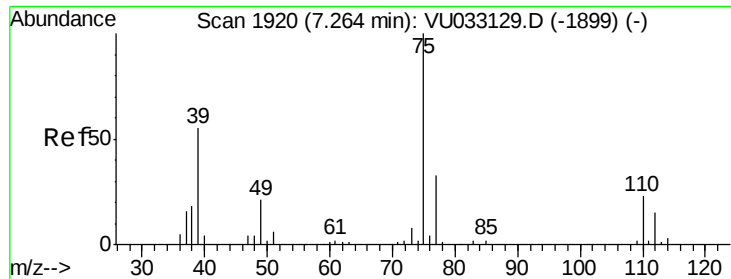
Tgt Ion: 63 Resp: 8008
 Ion Ratio Lower Upper
 63 100
 112 1.7 3.0 4.6#



#38
 Bromodichloromethane
 Concen: 1.009 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU033128.D
 Acq: 02 Jul 2019 09:17

Tgt Ion: 83 Resp: 10529
 Ion Ratio Lower Upper
 83 100
 85 62.2 43.8 81.4
 127 9.4 7.5 11.3

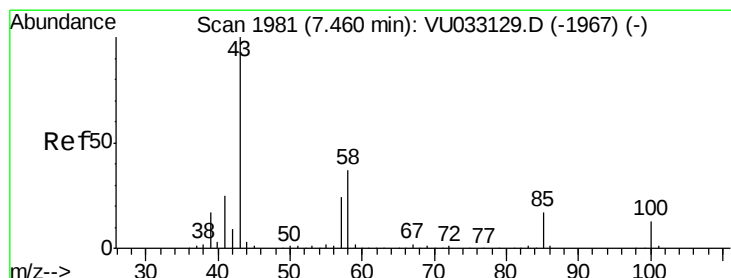
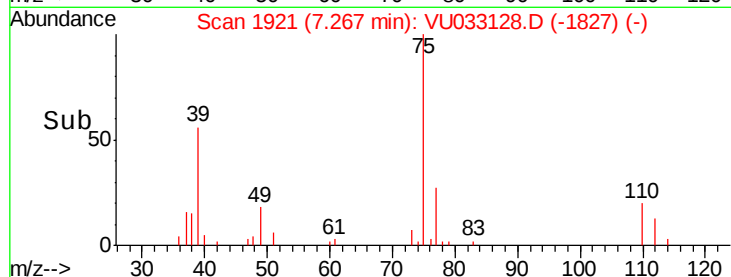
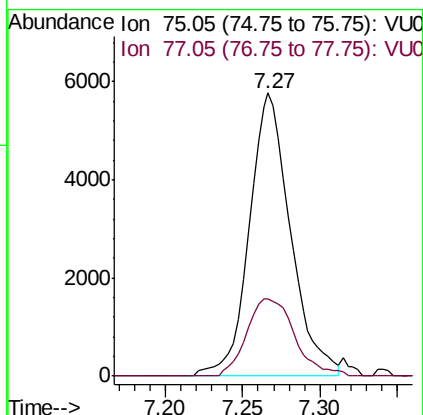
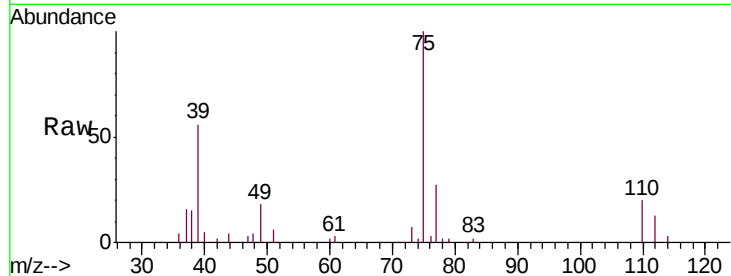




#39
 cis-1,3-Dichloropropene
 Concen: 0.922 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU033128.D
 Acq: 02 Jul 2019 09:17

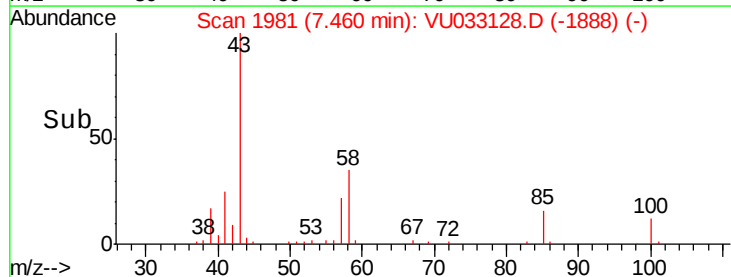
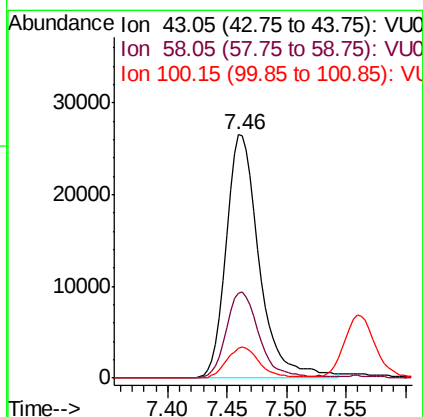
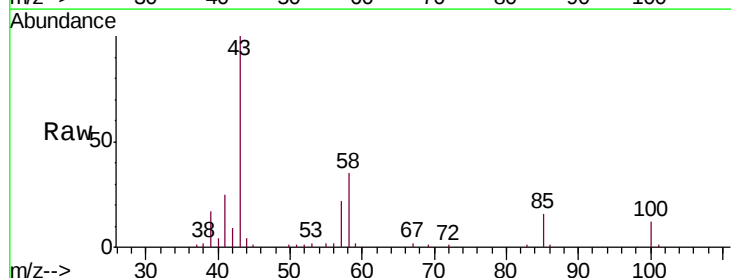
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

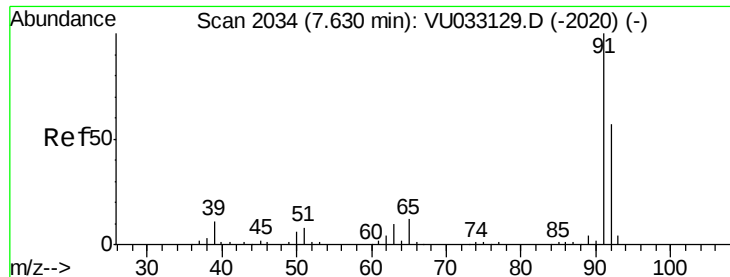
Tgt Ion: 75 Resp: 10696
 Ion Ratio Lower Upper
 75 100
 77 27.2 22.8 42.4



#40
 4-Methyl-2-pentanone
 Concen: 9.331 ug/L
 RT: 7.46 min Scan# 1981
 Delta R.T. -0.00 min
 Lab File: VU033128.D
 Acq: 02 Jul 2019 09:17

Tgt Ion: 43 Resp: 51194
 Ion Ratio Lower Upper
 43 100
 58 35.0 28.5 42.7
 100 12.7 10.4 15.6





#42

Toluene

Concen: 0.947 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU033128.D

Acq: 02 Jul 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

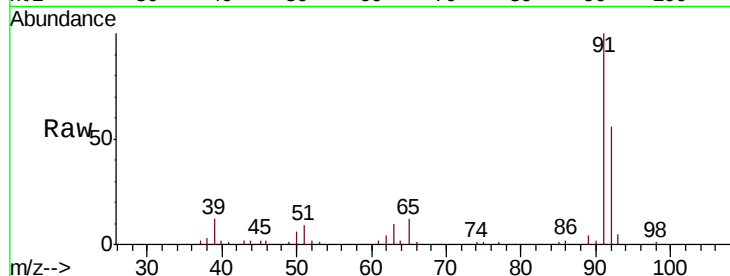
VSTD00103

Tgt Ion: 91 Resp: 29894

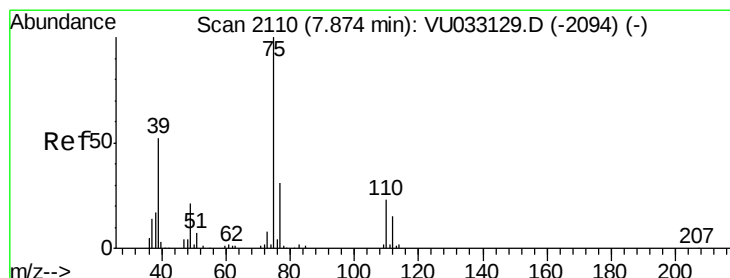
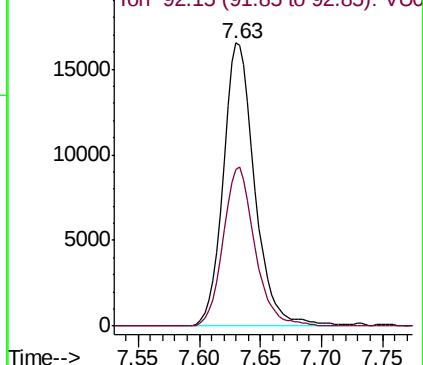
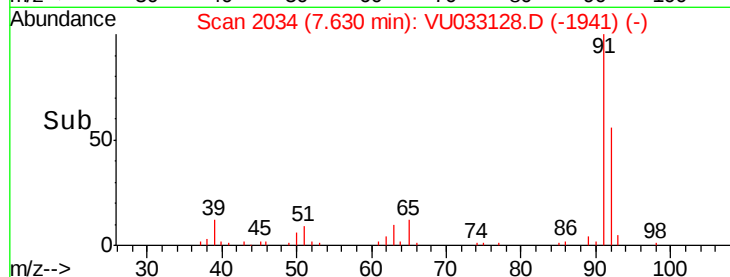
Ion Ratio Lower Upper

91 100

92 55.5 39.7 73.7



Abundance Ion 91.15 (90.85 to 91.85): VU033128.D (-1941) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.933 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.01 min

Lab File: VU033128.D

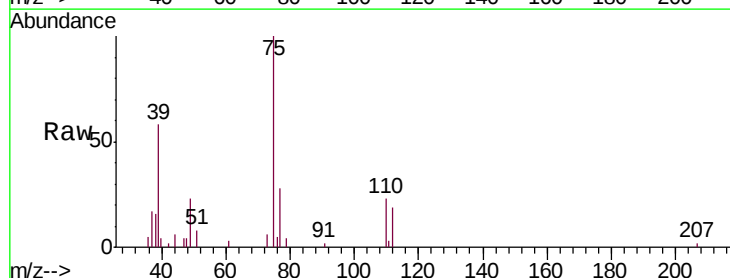
Acq: 02 Jul 2019 09:17

Tgt Ion: 75 Resp: 8750

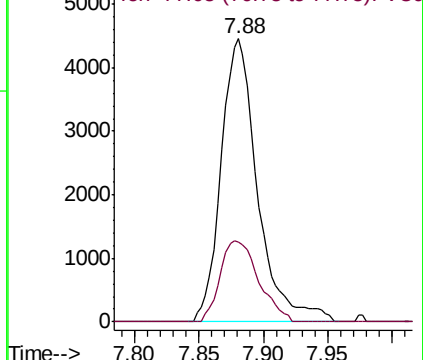
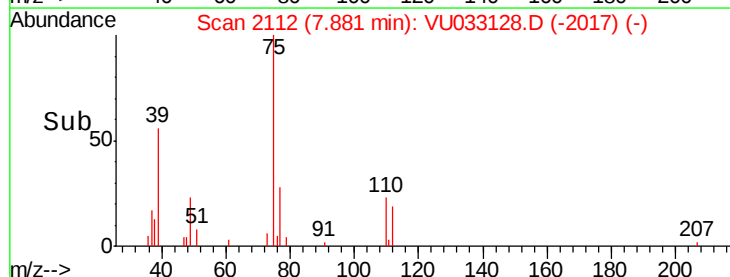
Ion Ratio Lower Upper

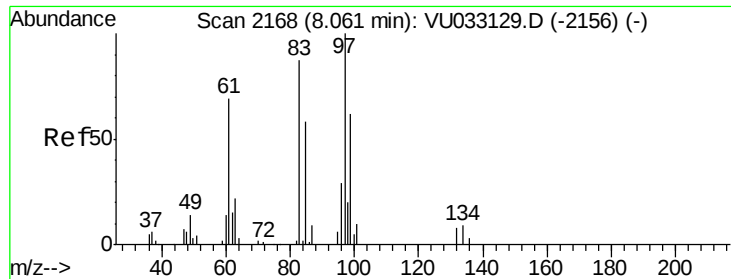
75 100

77 28.3 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VU033128.D (-217) (-)

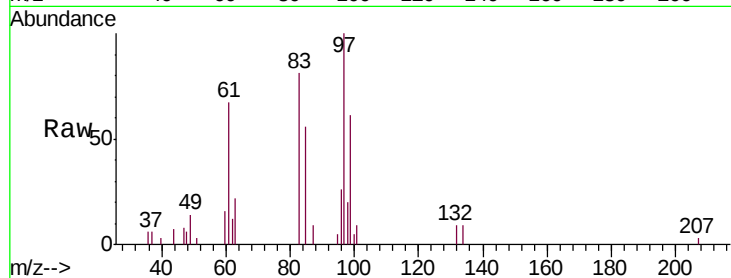




#45
 1,1,2-Trichloroethane
 Concen: 1.028 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU033128.D
 Acq: 02 Jul 2019 09:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

Tgt Ion:	97	Resp:	5751
Ion	Ratio	Lower	Upper
97	100		
99	60.8	43.5	80.7
83	80.6	60.8	112.8
85	56.1	40.7	75.7



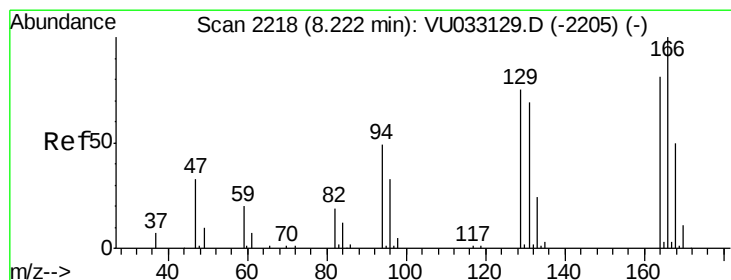
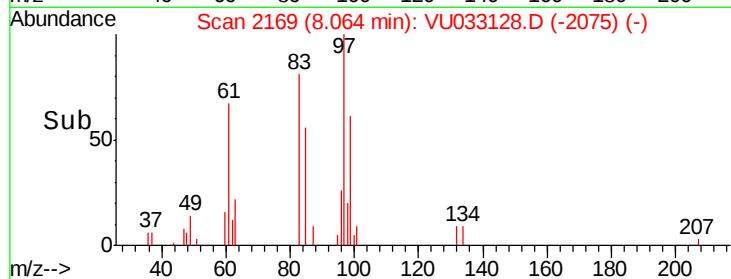
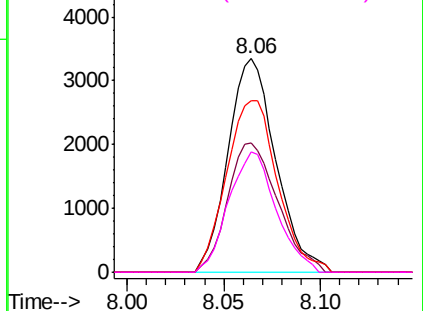
Abundance

Ion 96.95 (96.65 to 97.65): VU033128.D (-2168) (-)

Ion 99.05 (98.75 to 99.75): VU033128.D (-2168) (-)

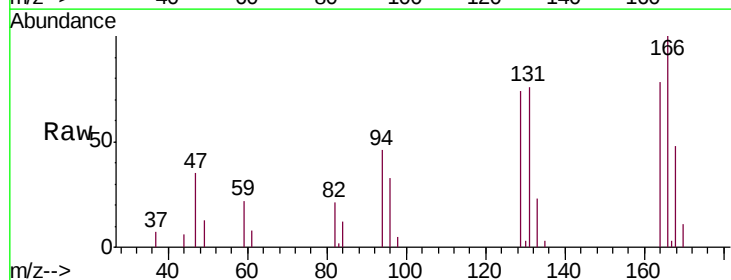
Ion 82.95 (82.65 to 83.65): VU033128.D (-2168) (-)

Ion 85.00 (84.70 to 85.70): VU033128.D (-2168) (-)



#47
 Tetrachloroethene
 Concen: 1.033 ug/L
 RT: 8.22 min Scan# 2217
 Delta R.T. -0.00 min
 Lab File: VU033128.D
 Acq: 02 Jul 2019 09:17

Tgt Ion:	164	Resp:	6725
Ion	Ratio	Lower	Upper
164	100		
129	94.8	65.3	121.3
131	97.8	60.3	112.1
166	128.0	86.9	161.3



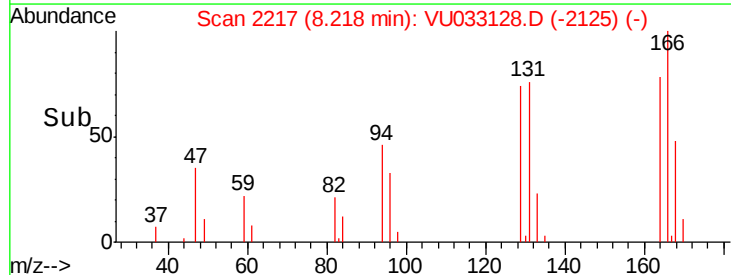
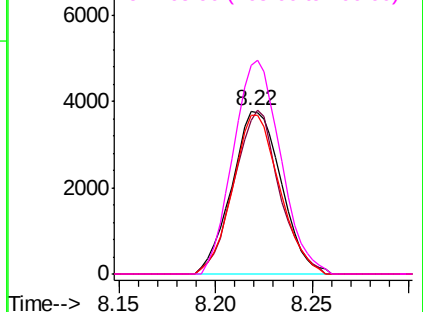
Abundance

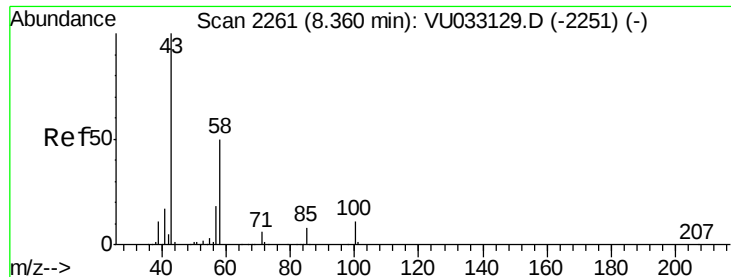
Ion 163.90 (163.60 to 164.60): VU033128.D (-2218) (-)

Ion 128.95 (128.65 to 129.65): VU033128.D (-2218) (-)

Ion 130.95 (130.65 to 131.65): VU033128.D (-2218) (-)

Ion 165.90 (165.60 to 166.60): VU033128.D (-2218) (-)

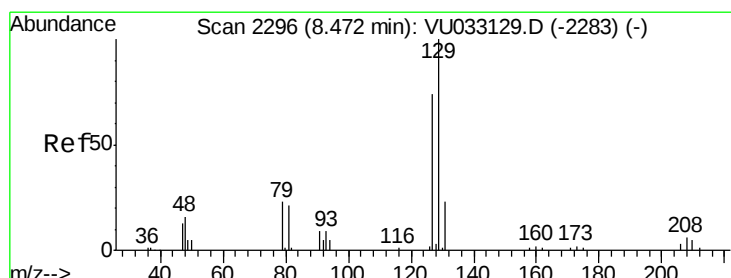
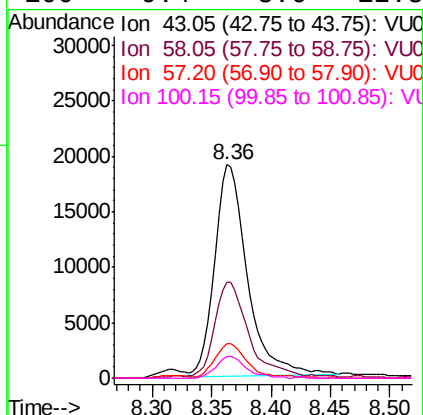
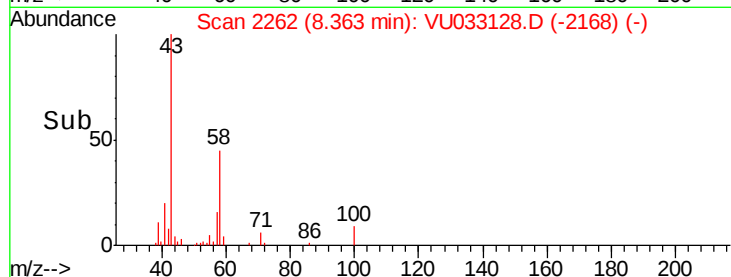
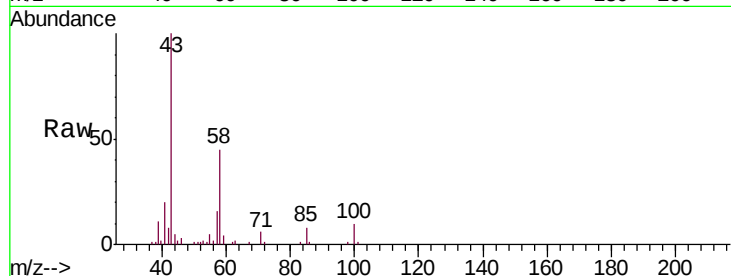




#48
2-Hexanone
Concen: 9.294 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU033128.D
Acq: 02 Jul 2019 09:17

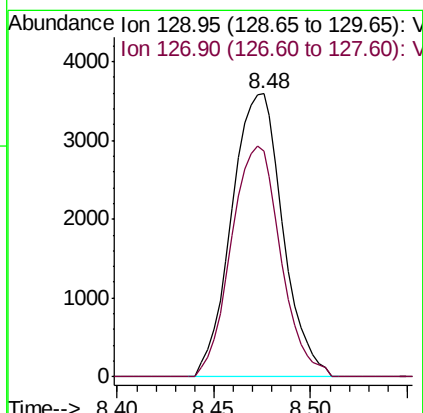
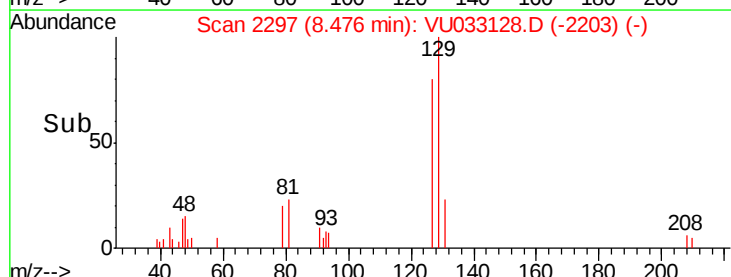
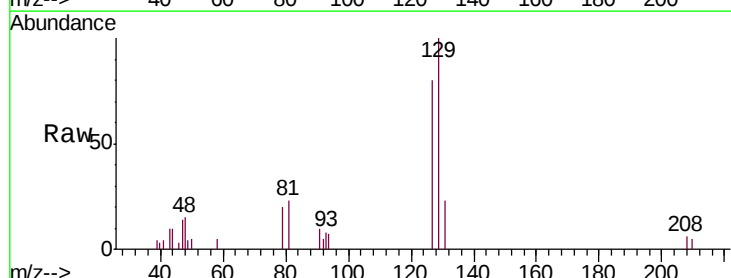
Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

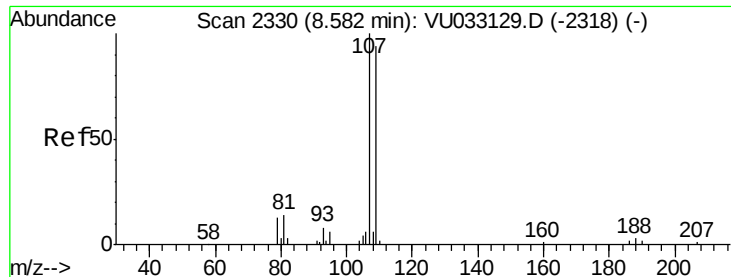
Tgt Ion:	43	Resp:	36406
Ion	Ratio	Lower	Upper
43	100		
58	46.0	39.0	58.6
57	16.5	13.9	20.9
100	9.4	8.6	12.8



#49
Dibromochloromethane
Concen: 0.940 ug/L
RT: 8.48 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU033128.D
Acq: 02 Jul 2019 09:17

Tgt Ion:	129	Resp:	6588
Ion	Ratio	Lower	Upper
129	100		
127	79.8	51.6	95.8

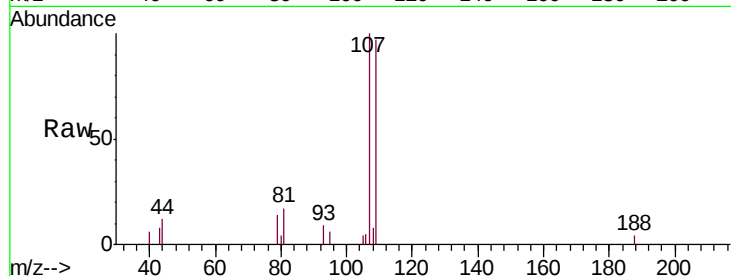




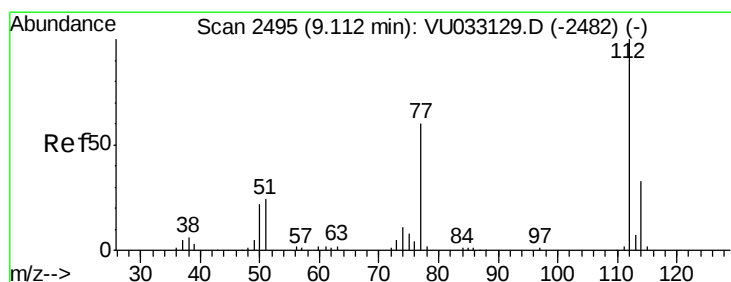
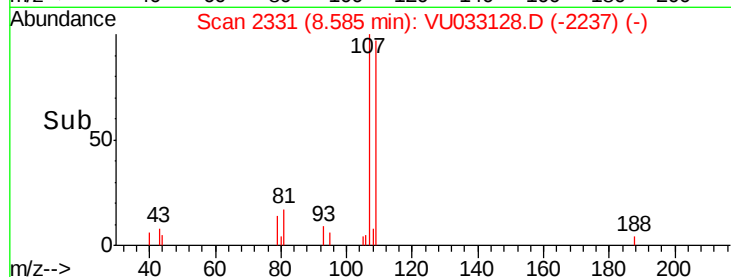
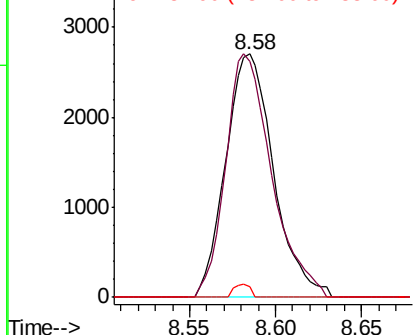
#50
1,2-Dibromoethane
Concen: 0.966 ug/L
RT: 8.58 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU033128.D
Acq: 02 Jul 2019 09:17

Instrument :
MSVOA_U
ClientSampleId :
VSTD00103

Tgt Ion:107 Resp: 5249
Ion Ratio Lower Upper
107 100
109 96.8 65.5 121.7
188 4.4 2.5 3.7#

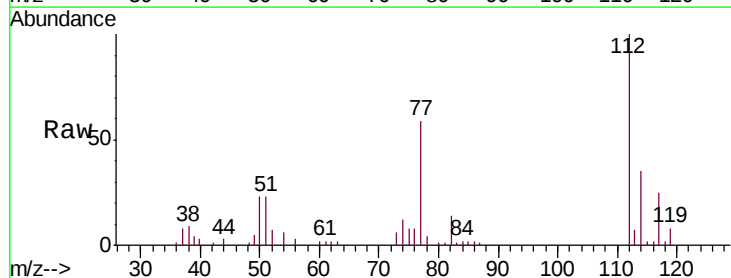


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

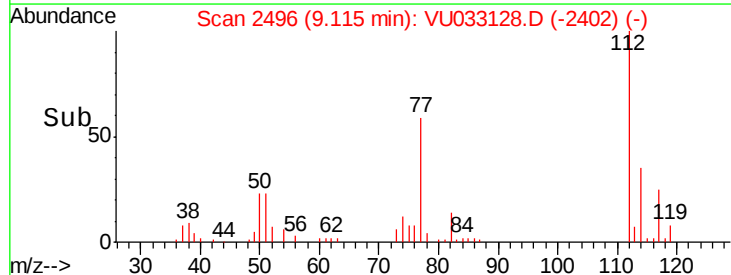
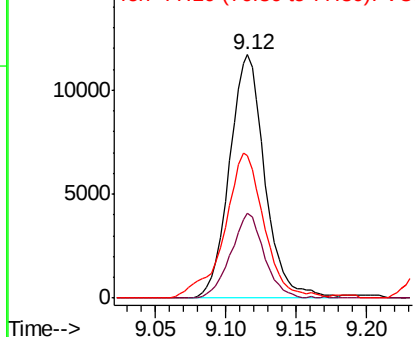


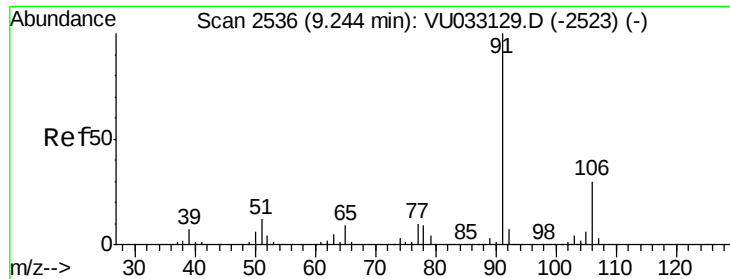
#51
Chlorobenzene
Concen: 0.985 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU033128.D
Acq: 02 Jul 2019 09:17

Tgt Ion:112 Resp: 20571
Ion Ratio Lower Upper
112 100
114 34.9 23.0 42.6
77 58.7 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: 0.943 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU033128.D

Acq: 02 Jul 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

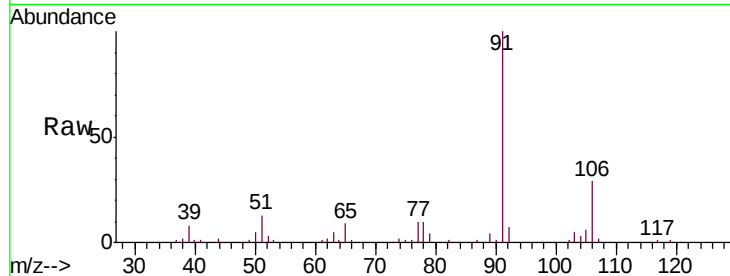
VSTD00103

Tgt Ion: 91 Resp: 32719

Ion Ratio Lower Upper

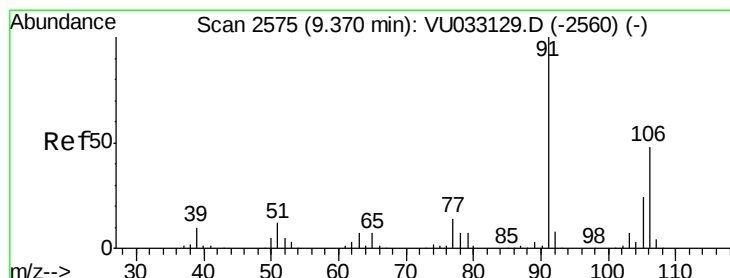
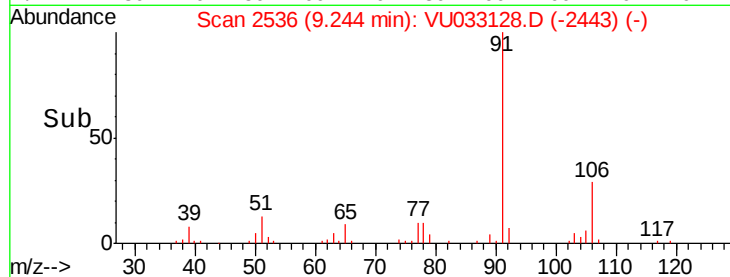
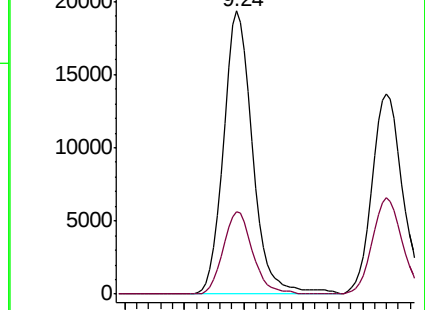
91 100

106 29.1 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU033128.D (-2523) (-)

Ion 106.15 (105.85 to 106.85): VU033128.D (-2523) (-)



#53

m,p-Xylene

Concen: 0.927 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU033128.D

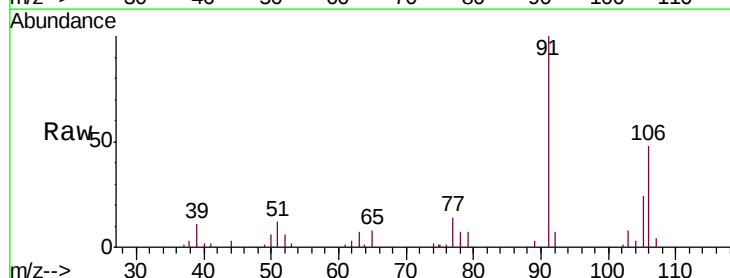
Acq: 02 Jul 2019 09:17

Tgt Ion: 106 Resp: 11680

Ion Ratio Lower Upper

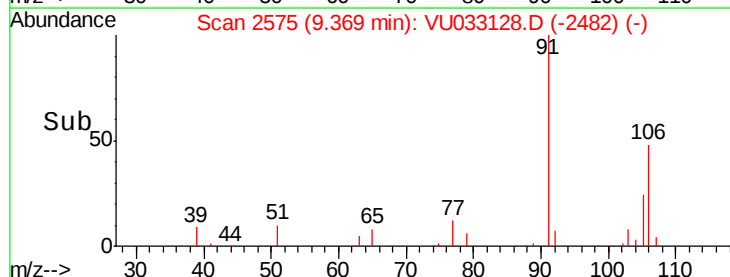
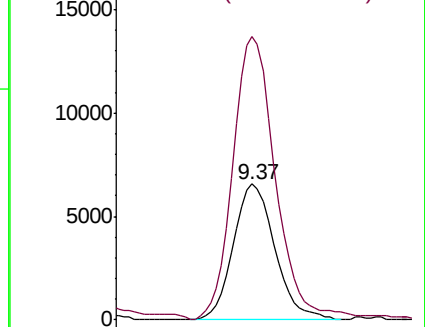
106 100

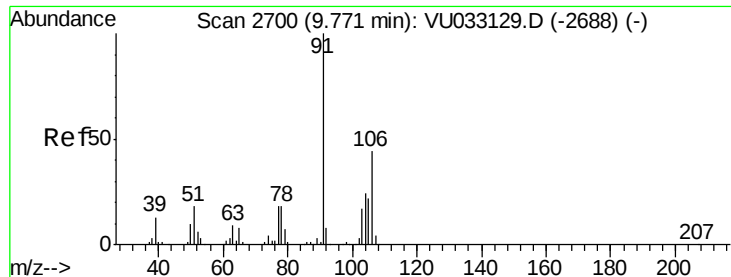
91 208.1 145.6 270.4



Abundance Ion 106.15 (105.85 to 106.85): VU033128.D (-2575) (-)

Ion 91.15 (90.85 to 91.85): VU033128.D (-2575) (-)





#54

o-Xylene

Concen: 0.905 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VU033128.D

Acq: 02 Jul 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

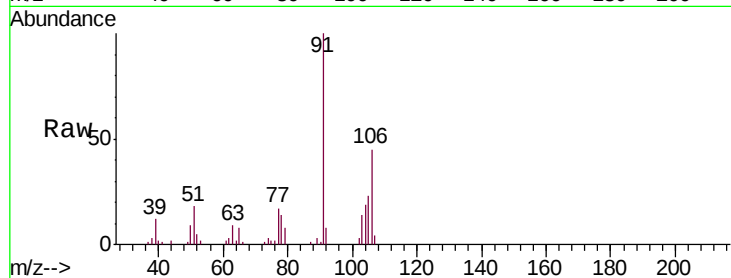
VSTD00103

Tgt Ion:106 Resp: 11086

Ion Ratio Lower Upper

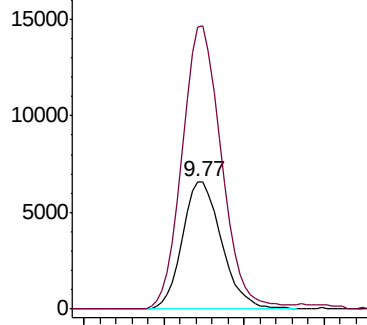
106 100

91 221.1 159.2 295.6

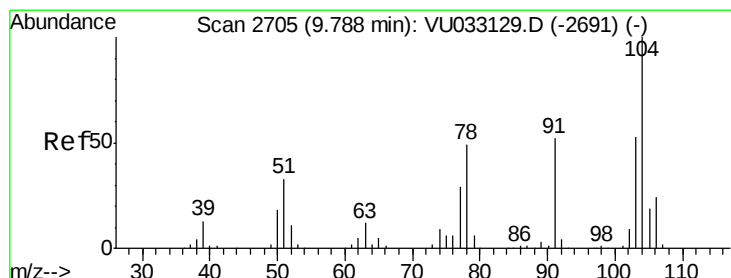
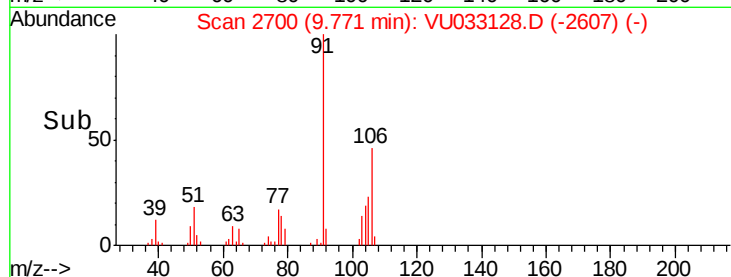


Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU



Time--> 9.70 9.75 9.80 9.85



#55

Styrene

Concen: 0.881 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. -0.00 min

Lab File: VU033128.D

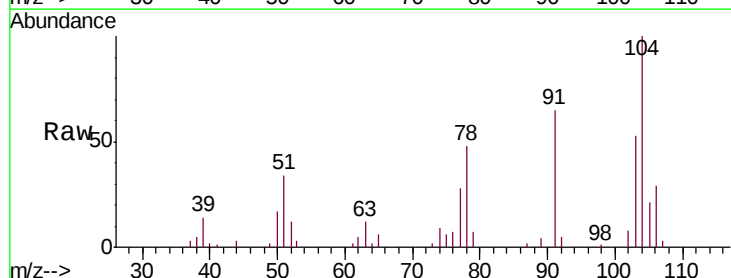
Acq: 02 Jul 2019 09:17

Tgt Ion:104 Resp: 18260

Ion Ratio Lower Upper

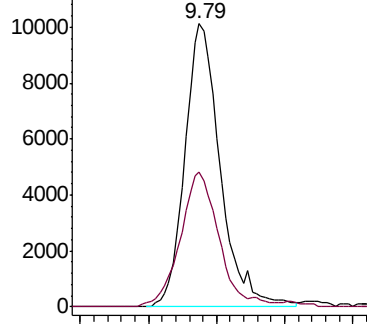
104 100

78 47.5 34.6 64.3

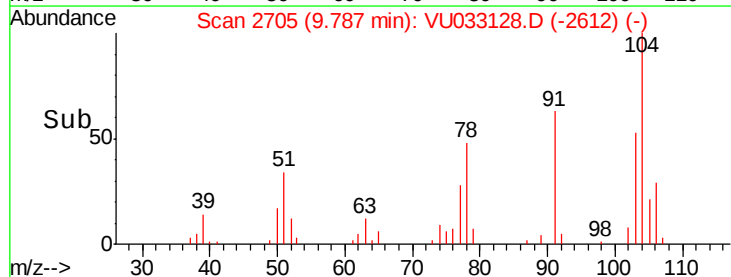


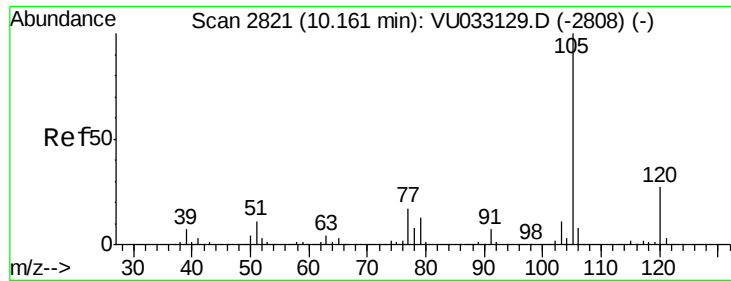
Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU



Time--> 9.70 9.75 9.80 9.85





#56

Isopropylbenzene

Concen: 0.893 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. -0.00 min

Lab File: VU033128.D

Acq: 02 Jul 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

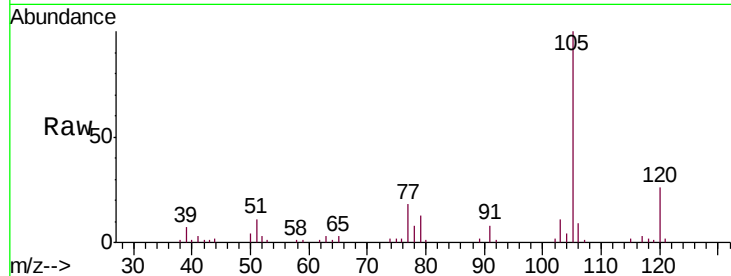
Tgt Ion: 105 Resp: 29839

Ion Ratio Lower Upper

105 100

120 26.2 20.7 31.1

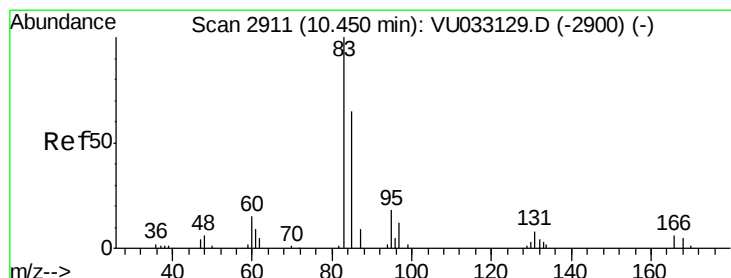
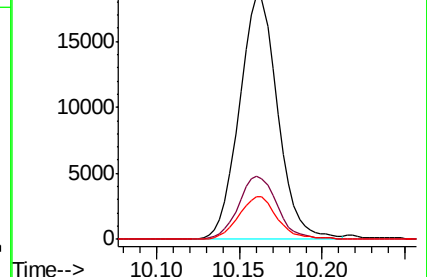
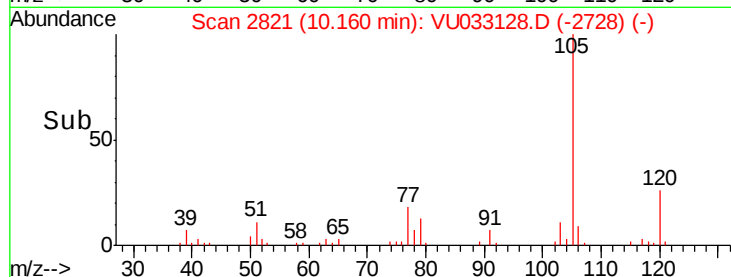
77 17.6 13.5 20.3



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: 0.966 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU033128.D

Acq: 02 Jul 2019 09:17

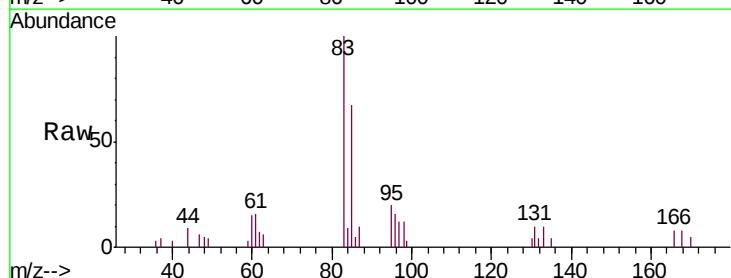
Tgt Ion: 83 Resp: 6913

Ion Ratio Lower Upper

83 100

85 67.2 46.2 85.8

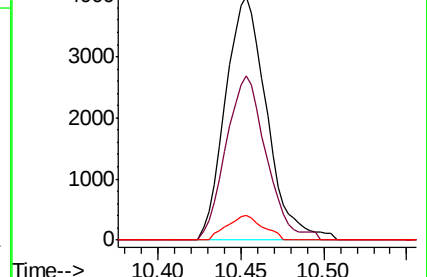
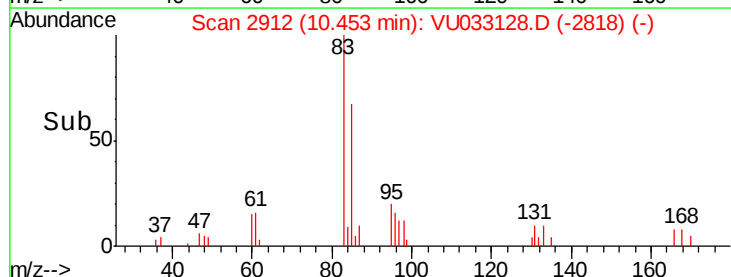
131 10.3 7.3 10.9

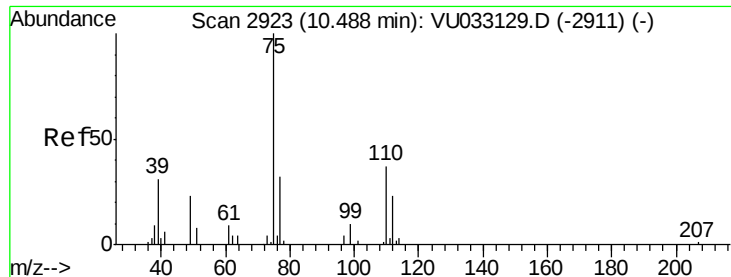


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 1.013 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. -0.00 min

Lab File: VU033128.D

Acq: 02 Jul 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

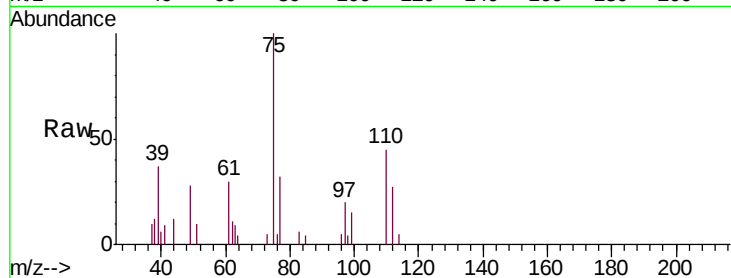
VSTD00103

Tgt Ion: 75 Resp: 5363

Ion Ratio Lower Upper

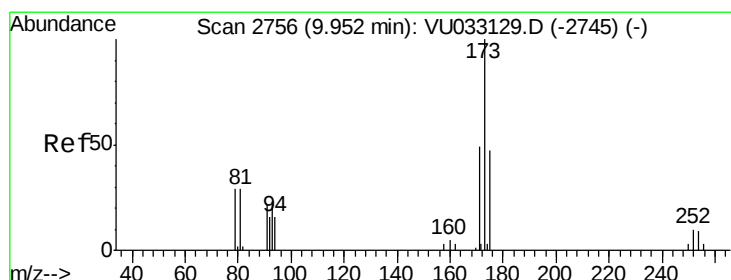
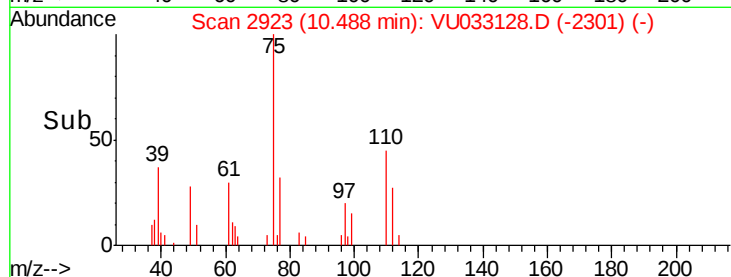
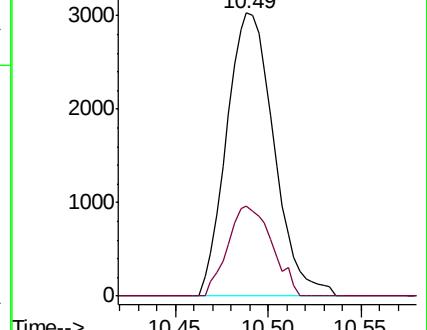
75 100

77 29.8 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VU033129.D (-2911) (-)

Ion 77.00 (76.70 to 77.70): VU033129.D (-2911) (-)



#61

Bromoform

Concen: 0.949 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU033128.D

Acq: 02 Jul 2019 09:17

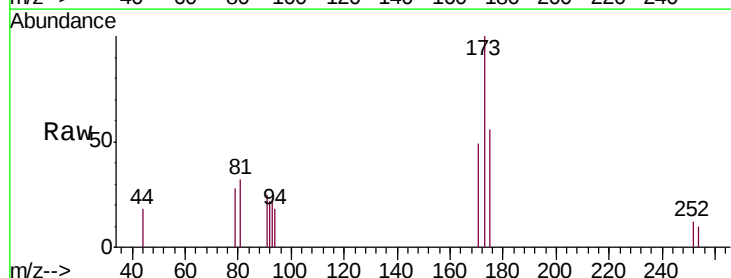
Tgt Ion: 173 Resp: 3676

Ion Ratio Lower Upper

173 100

175 47.3 38.2 57.2

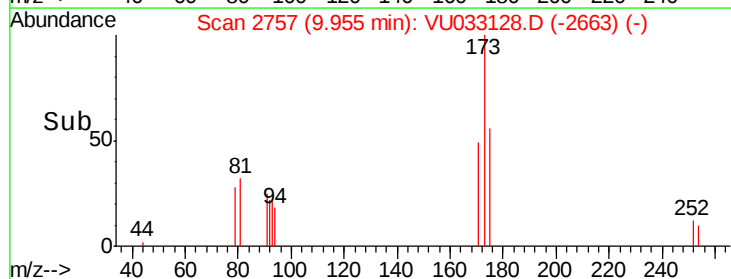
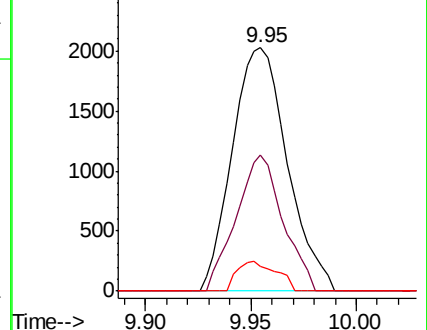
254 8.7 6.9 10.3

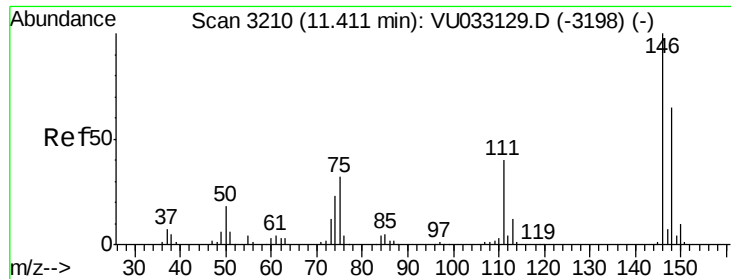


Abundance Ion 172.90 (172.60 to 173.60): VU033129.D (-2745) (-)

Ion 174.90 (174.60 to 175.60): VU033129.D (-2745) (-)

Ion 253.75 (253.45 to 254.45): VU033129.D (-2745) (-)





#62

1,3-Dichlorobenzene

Concen: 0.968 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU033128.D

Acq: 02 Jul 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

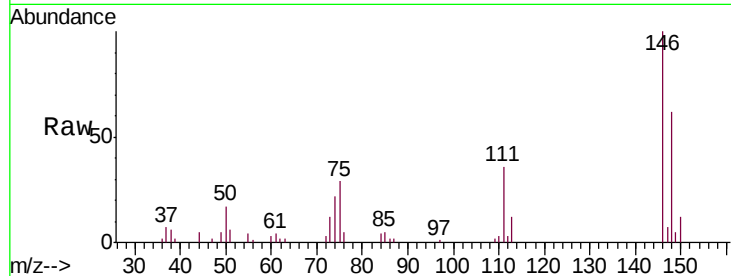
Tgt Ion:146 Resp: 15507

Ion Ratio Lower Upper

146 100

111 36.5 28.2 52.4

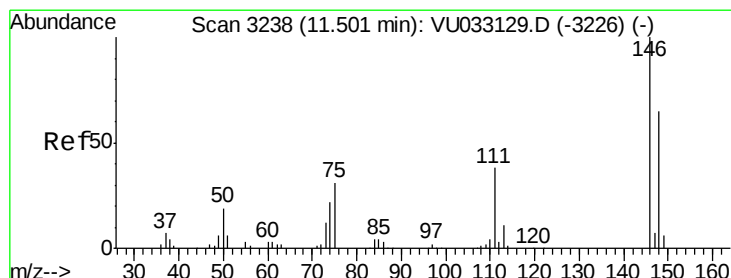
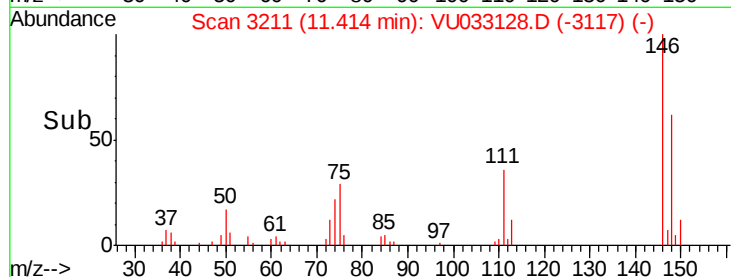
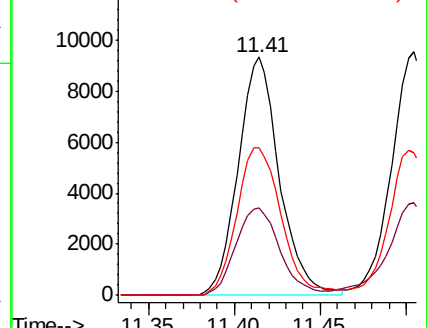
148 61.9 45.2 84.0



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



#63

1,4-Dichlorobenzene

Concen: 0.993 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU033128.D

Acq: 02 Jul 2019 09:17

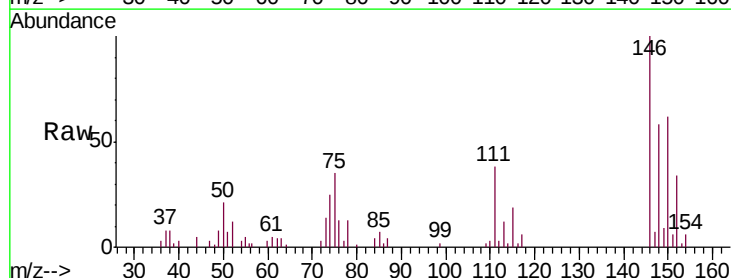
Tgt Ion:146 Resp: 16607

Ion Ratio Lower Upper

146 100

111 38.2 27.0 50.2

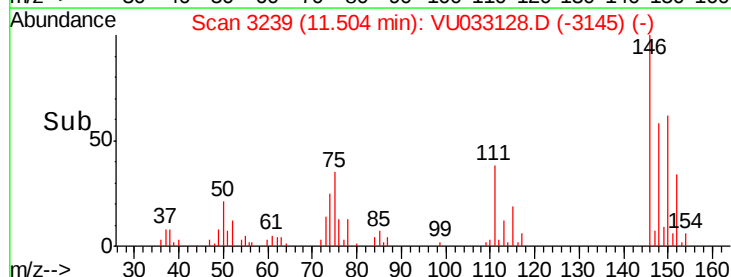
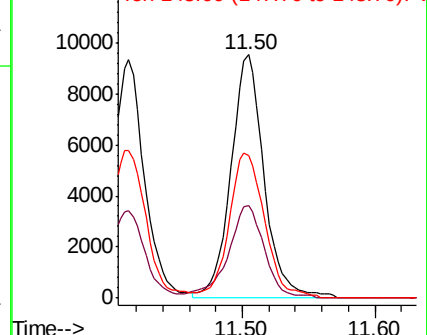
148 58.4 45.1 83.7

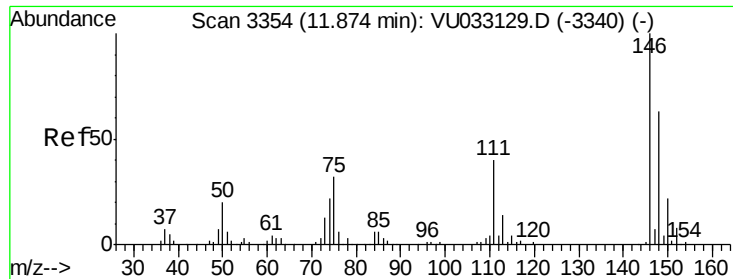


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.998 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VU033128.D

Acq: 02 Jul 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

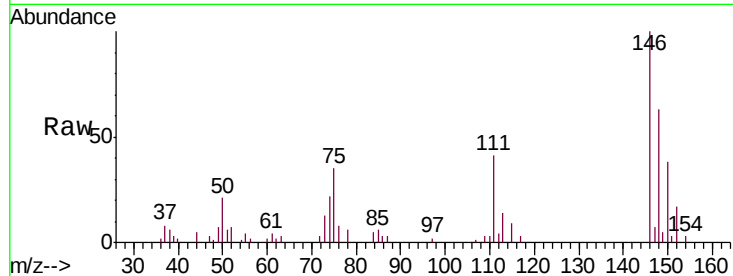
Tgt Ion:146 Resp: 15539

Ion Ratio Lower Upper

146 100

111 41.2 31.8 47.8

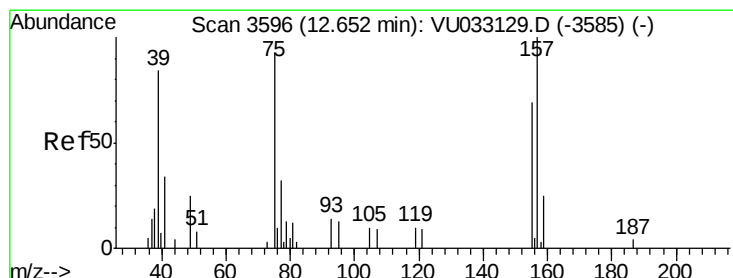
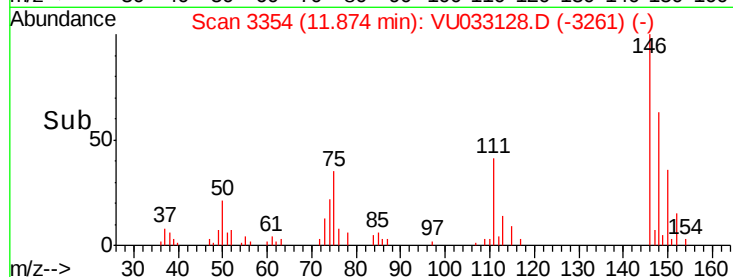
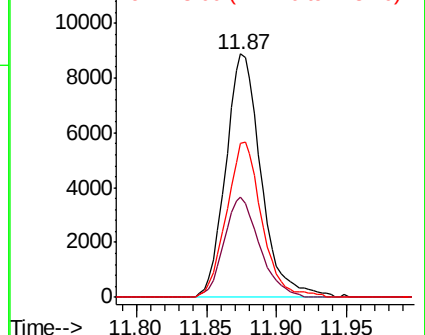
148 63.1 50.7 76.1



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: 0.875 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. -0.00 min

Lab File: VU033128.D

Acq: 02 Jul 2019 09:17

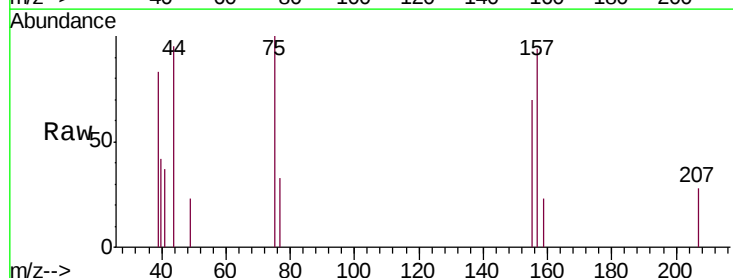
Tgt Ion: 75 Resp: 918

Ion Ratio Lower Upper

75 100

155 70.2 59.5 89.3

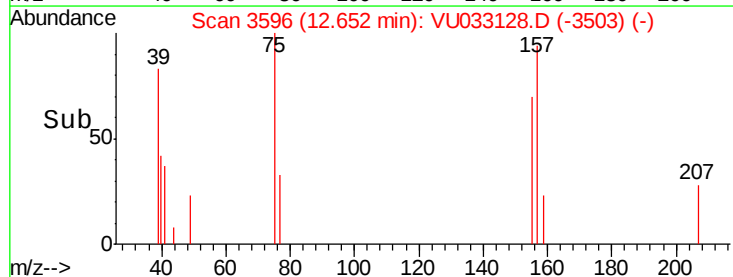
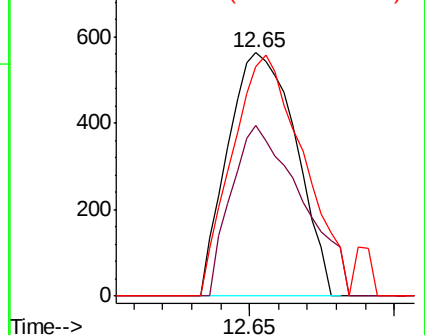
157 94.1 86.2 129.4

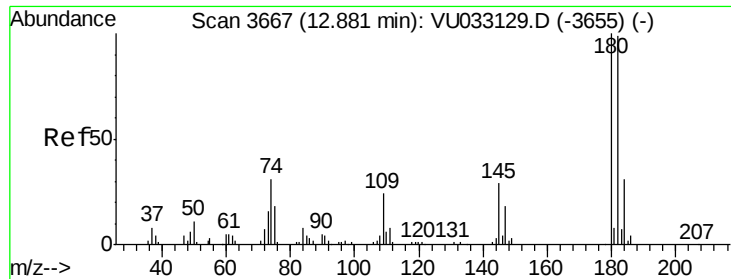


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

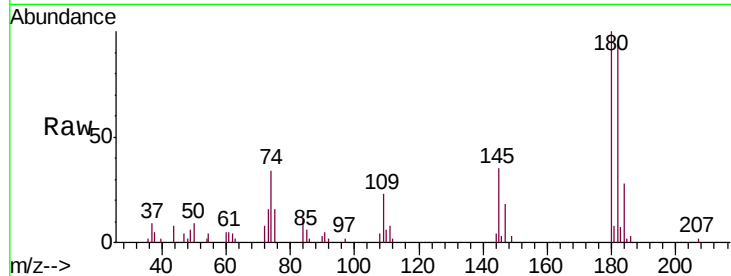




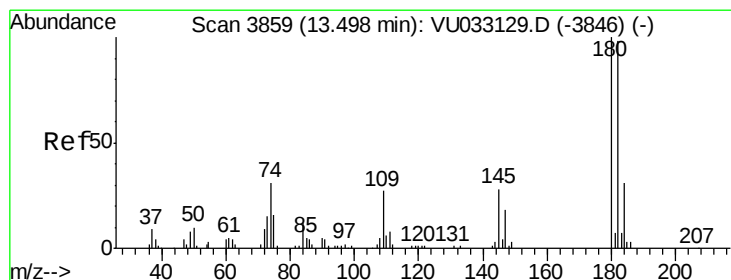
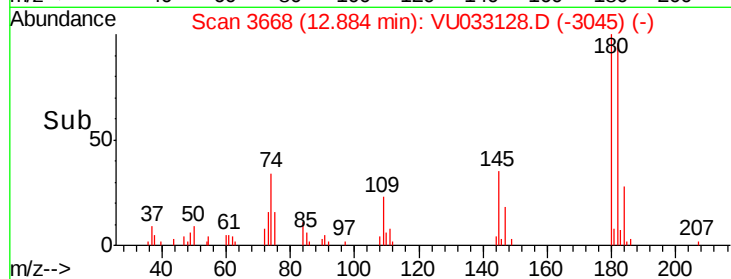
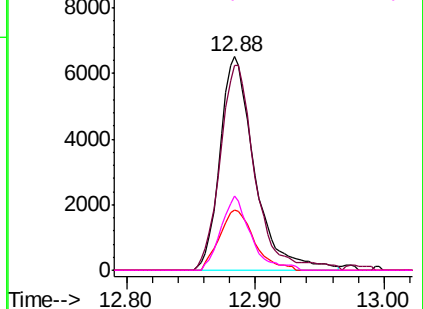
#67
 1,3,5-Trichlorobenzene
 Concen: 0.961 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU033128.D
 Acq: 02 Jul 2019 09:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00103

Tgt Ion:180 Resp: 12167
 Ion Ratio Lower Upper
 180 100
 182 93.9 78.3 117.5
 184 27.9 24.2 36.2
 145 29.8 23.4 35.2

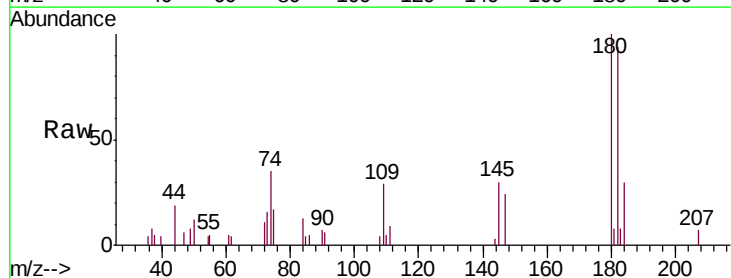


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

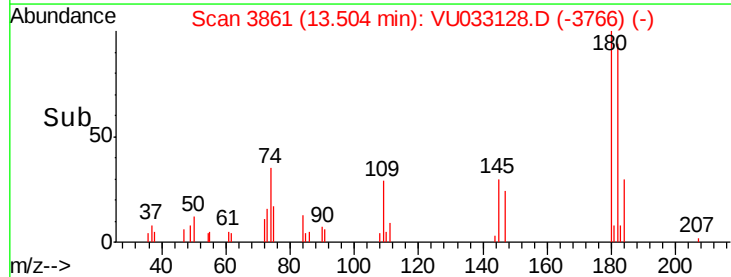
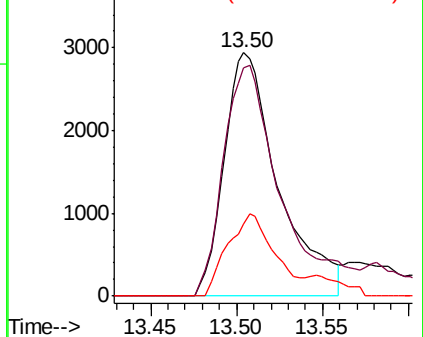


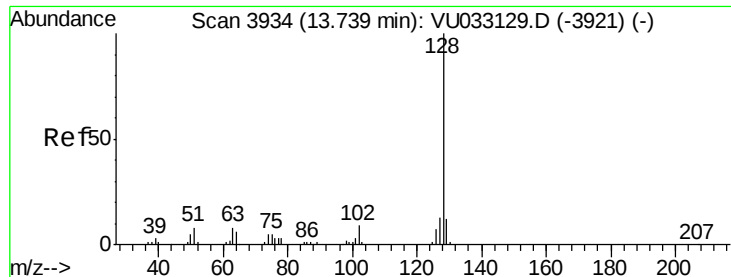
#68
 1,2,4-trichlorobenzene
 Concen: 0.721 ug/L
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.01 min
 Lab File: VU033128.D
 Acq: 02 Jul 2019 09:17

Tgt Ion:180 Resp: 6481
 Ion Ratio Lower Upper
 180 100
 182 101.1 75.7 113.5
 145 28.8 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: 0.490 ug/L

RT: 13.75 min Scan# 3937

Delta R.T. 0.01 min

Lab File: VU033128.D

Acq: 02 Jul 2019 09:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00103

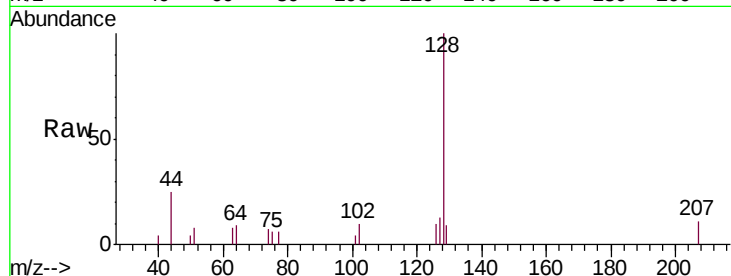
Tgt Ion:128 Resp: 6475

Ion Ratio Lower Upper

128 100

129 7.4 8.4 12.6#

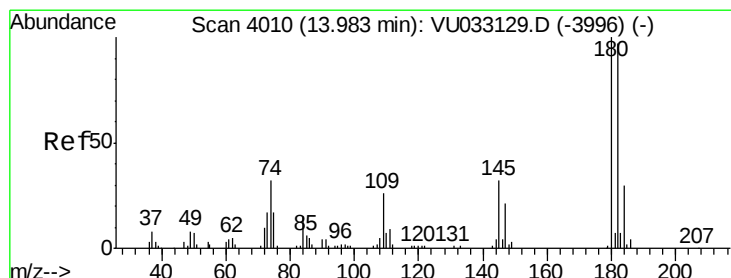
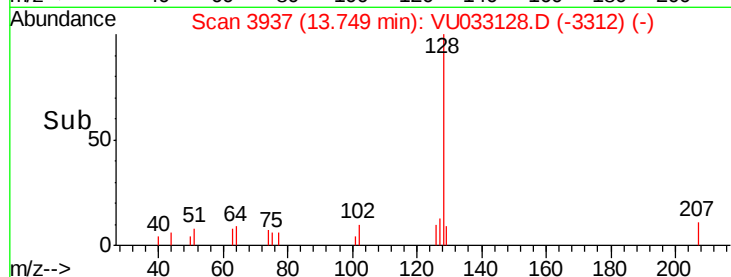
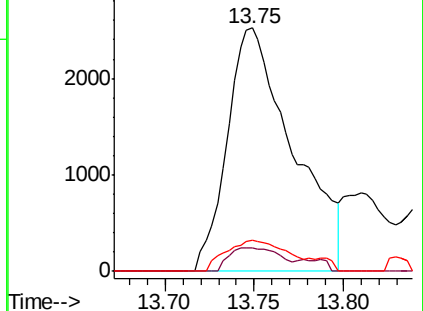
127 12.3 10.2 15.4



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: 0.676 ug/L

RT: 13.99 min Scan# 4012

Delta R.T. 0.01 min

Lab File: VU033128.D

Acq: 02 Jul 2019 09:17

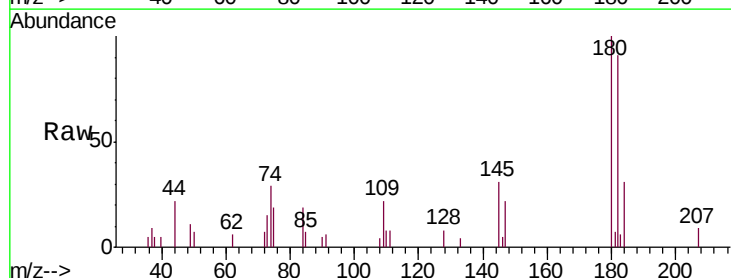
Tgt Ion:180 Resp: 5920

Ion Ratio Lower Upper

180 100

182 93.0 79.9 119.9

145 30.9 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

