

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041019\
 Data File : VU030935.D
 Acq On : 09 Apr 2019 04:17
 Operator : JC/SP
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

Quant Time: Apr 09 07:57:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR032919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Apr 09 03:34:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	249524	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	249572	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	114042	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	84083	4.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.20%
7) Chloroethane-d5	1.68	69	78094	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.60%
11) 1,1-Dichloroethene-d2	2.27	63	187633	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.20%
20) 2-Butanone-d5	4.19	46	268427	54.63	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.26%
24) Chloroform-d	4.64	84	162547	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
26) 1,2-Dichloroethane-d4	5.31	65	87415	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
32) Benzene-d6	5.33	84	305552	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
36) 1,2-Dichloropropane-d6	6.33	67	104014	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.40%
41) Toluene-d8	7.56	98	274742	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
43) trans-1,3-Dichloropropene-	7.85	79	34945	4.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.40%
46) 2-Hexanone-d5	8.31	63	190806	53.60	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.20%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	87818	5.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	91864	4.82	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	138835	4.994	ug/L 100
3) Chloromethane	1.32	50	161177	4.946	ug/L 98
5) Vinyl chloride	1.40	62	153714	5.148	ug/L 97
6) Bromomethane	1.62	94	71144	4.871	ug/L 97
8) Chloroethane	1.69	64	85433	5.030	ug/L 99
9) Trichlorofluoromethane	1.88	101	182765	5.400	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	92994	4.941	ug/L 95
12) 1,1-Dichloroethene	2.28	96	96801	5.317	ug/L 86
13) Acetone	2.32	43	213365	56.168	ug/L 100
14) Carbon disulfide	2.47	76	322414	5.050	ug/L 99
15) Methyl Acetate	2.61	43	58171	5.928	ug/L 98
16) Methylene chloride	2.69	84	110964	5.228	ug/L 98
17) Methyl tert-butyl Ether	3.00	73	268635	5.512	ug/L 99
18) trans-1,2-Dichloroethene	2.97	96	106010	5.515	ug/L 90
19) 1,1-Dichloroethane	3.43	63	204683	5.034	ug/L 99
21) 2-Butanone	4.27	43	324112	53.836	ug/L 99
22) cis-1,2-Dichloroethene	4.22	96	120190	5.864	ug/L 94

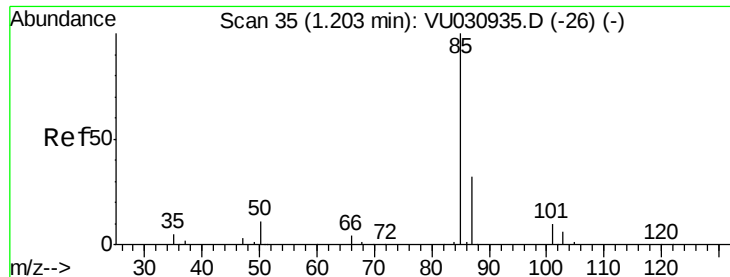
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041019\
 Data File : VU030935.D
 Acq On : 09 Apr 2019 04:17
 Operator : JC/SP
 Sample : VSTDCCC005
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 ALS Vial : 28 Sample Multiplier: 1

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 ClientSampleId :
 VSTD00512

Quant Time: Apr 09 07:57:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR032919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Apr 09 03:34:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	45331	5.536	ug/L	93
25) Chloroform	4.67	83	194975	5.260	ug/L	98
27) 1,2-Dichloroethane	5.40	62	123583	5.138	ug/L	100
29) 1,1,1-Trichloroethane	4.90	97	186665	5.871	ug/L	98
30) Cyclohexane	4.98	56	166290	4.332	ug/L	99
31) Carbon tetrachloride	5.13	117	138901	5.204	ug/L	96
33) Benzene	5.38	78	412966	4.891	ug/L	100
34) Trichloroethene	6.18	95	101458	4.801	ug/L	95
35) Methylcyclohexane	6.41	83	139690	4.142	ug/L	98
37) 1,2-Dichloropropane	6.43	63	113472	4.884	ug/L	99
38) Bromodichloromethane	6.75	83	140646	5.184	ug/L	94
39) cis-1,3-Dichloropropene	7.27	75	133223	4.288	ug/L	97
40) 4-Methyl-2-pentanone	7.46	43	747618	51.583	ug/L	100
42) Toluene	7.63	91	426469	5.037	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	111986	4.656	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	74370	5.368	ug/L	96
47) Tetrachloroethene	8.22	164	75868	5.118	ug/L	96
48) 2-Hexanone	8.36	43	546317	54.400	ug/L	99
49) Dibromochloromethane	8.47	129	86993	5.251	ug/L	94
50) 1,2-Dibromoethane	8.58	107	68900	5.335	ug/L	97
51) Chlorobenzene	9.12	112	248384	4.757	ug/L	100
52) Ethylbenzene	9.25	91	422862	4.683	ug/L	99
53) m,p-Xylene	9.37	106	151993	4.818	ug/L	99
54) o-Xylene	9.78	106	151586	4.901	ug/L	93
55) Styrene	9.79	104	258814	4.959	ug/L	99
56) Isopropylbenzene	10.16	105	393082	4.757	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	97119	5.273	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	68395	5.268	ug/L	99
61) Bromoform	9.96	173	49155	5.692	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	174712	4.855	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	176496	4.679	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	174858	4.994	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.65	75	14417	5.321	ug/L	92
67) 1,3,5-Trichlorobenzene	12.89	180	130225	4.850	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	96690	4.663	ug/L	95
69) Naphthalene	13.74	128	161244	4.842	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	98934	5.120	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.994 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU030935.D

Acq: 09 Apr 2019 04:17

Instrument :

MSVOA_U

ClientSampleId :

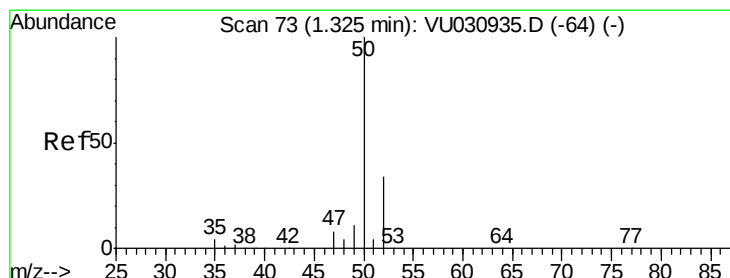
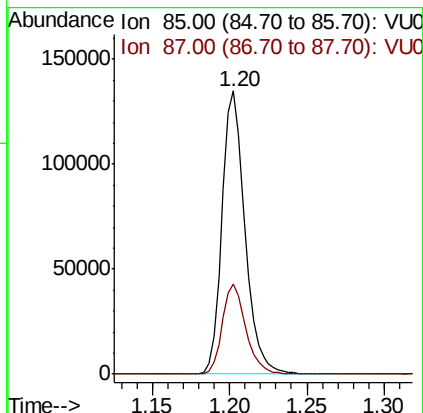
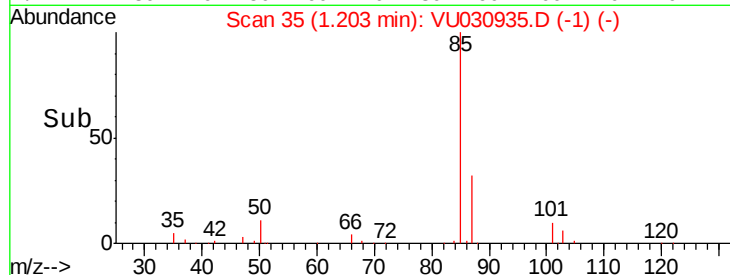
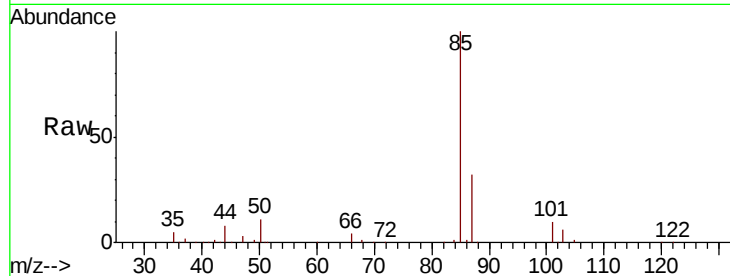
VSTD00512

Tot Ion: 85 Resp: 138835

Ion Ratio Lower Upper

85 100

87 32.5 25.8 38.8



#3

Chloromethane

Concen: 4.946 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU030935.D

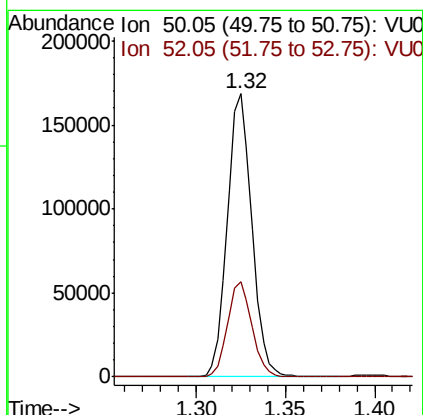
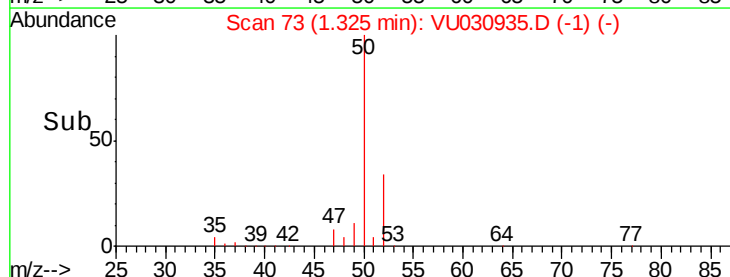
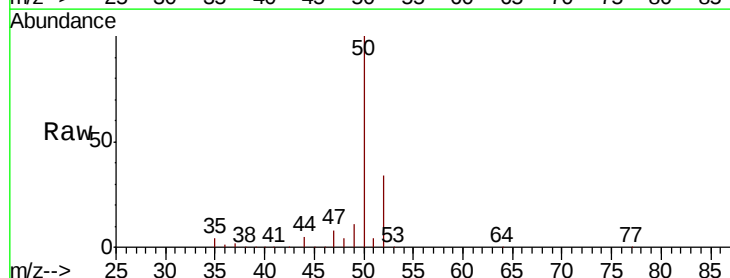
Acq: 09 Apr 2019 04:17

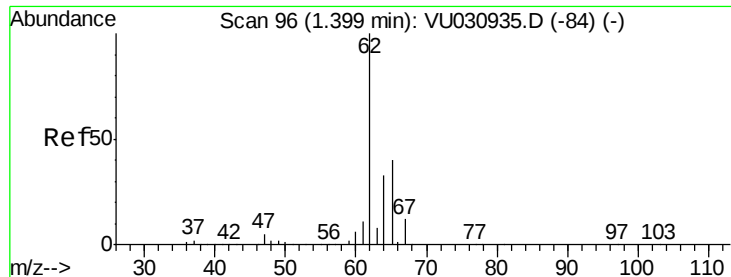
Tgt Ion: 50 Resp: 161177

Ion Ratio Lower Upper

50 100

52 33.6 22.9 42.5





#5

Vinyl chloride

Concen: 5.148 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU030935.D

Acq: 09 Apr 2019 04:17

Instrument :

MSVOA_U

ClientSampleId :

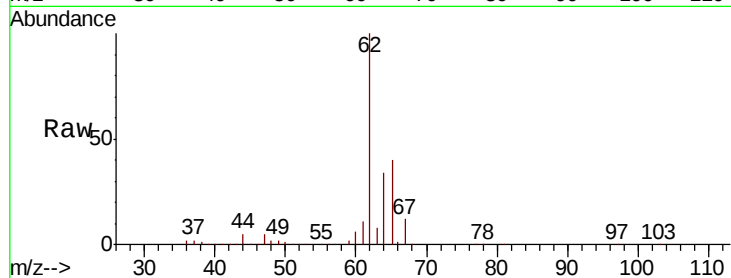
VSTD00512

Tot Ion: 62 Resp: 153714

Ion Ratio Lower Upper

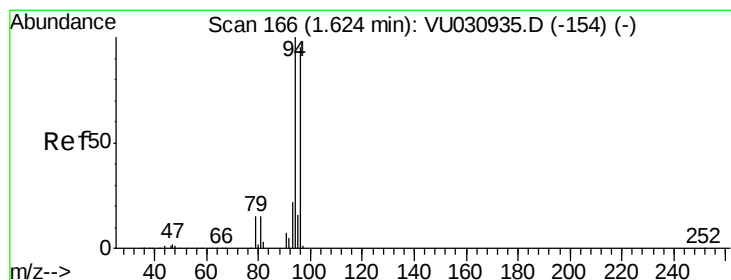
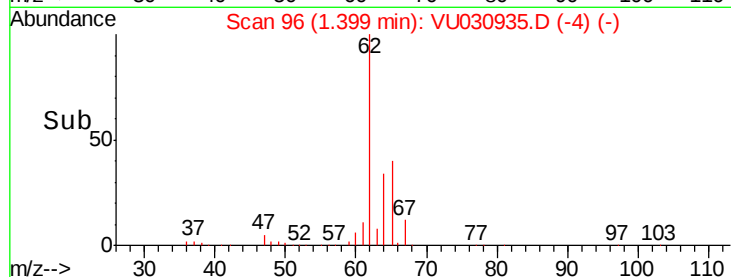
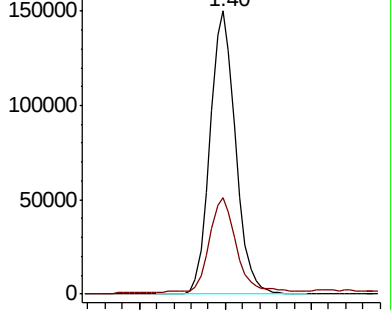
62 100

64 34.0 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VU030935.D (-84) (-)

Ion 64.10 (63.80 to 64.80): VU030935.D (-84) (-)



#6

Bromomethane

Concen: 4.871 ug/L

RT: 1.62 min Scan# 166

Delta R.T. -0.01 min

Lab File: VU030935.D

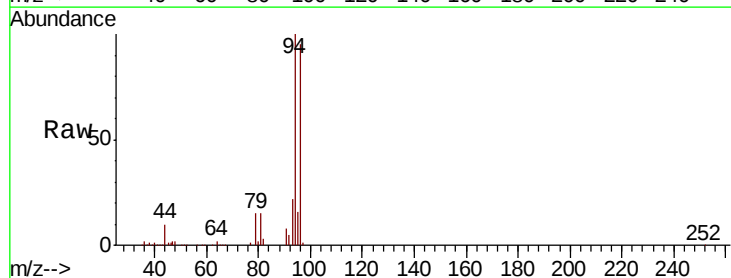
Acq: 09 Apr 2019 04:17

Tgt Ion: 94 Resp: 71144

Ion Ratio Lower Upper

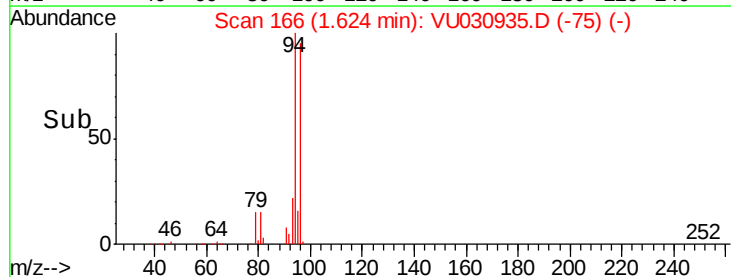
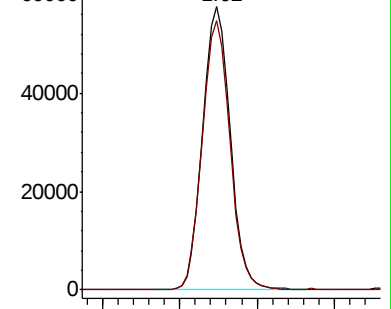
94 100

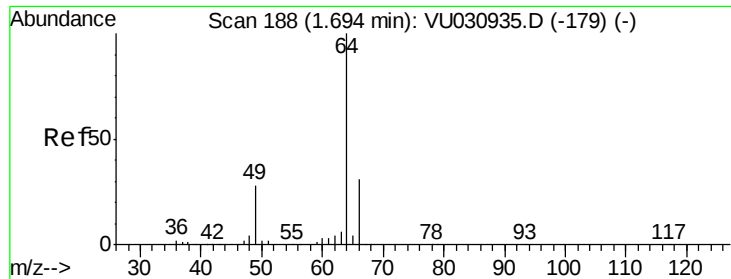
96 95.1 64.6 120.0



Abundance Ion 94.00 (93.70 to 94.70): VU030935.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU030935.D (-154) (-)

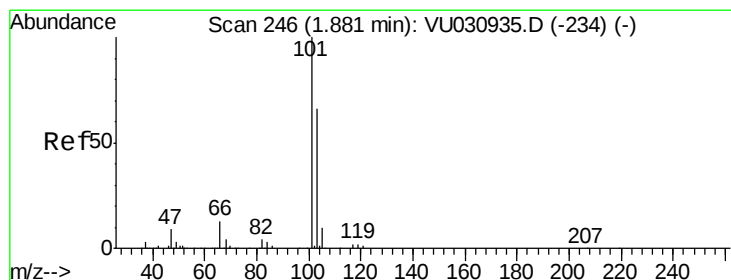
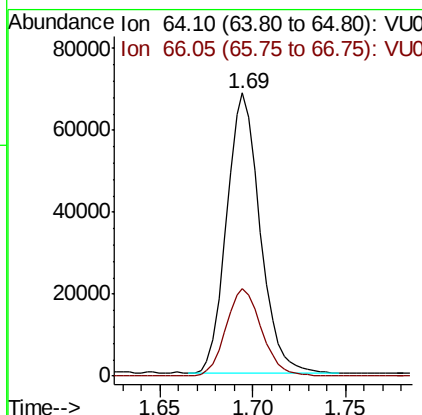
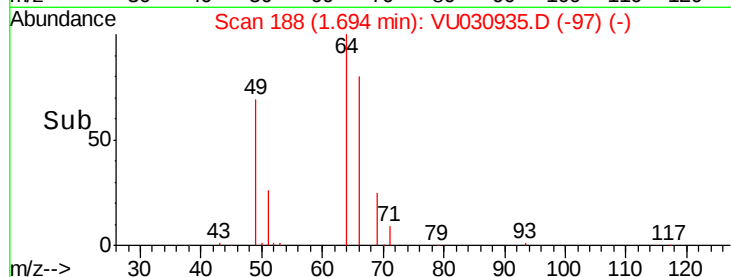
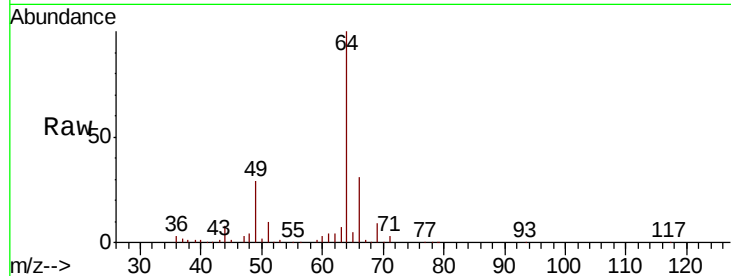




#8
 Chloroethane
 Concen: 5.030 ug/L
 RT: 1.69 min Scan# 188
 Delta R.T. -0.01 min
 Lab File: VU030935.D
 Acq: 09 Apr 2019 04:17

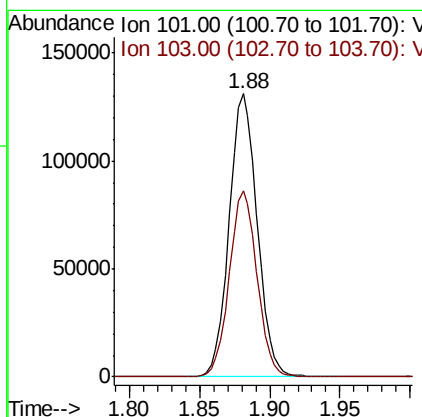
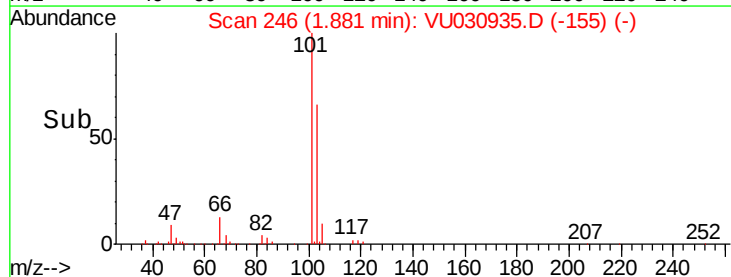
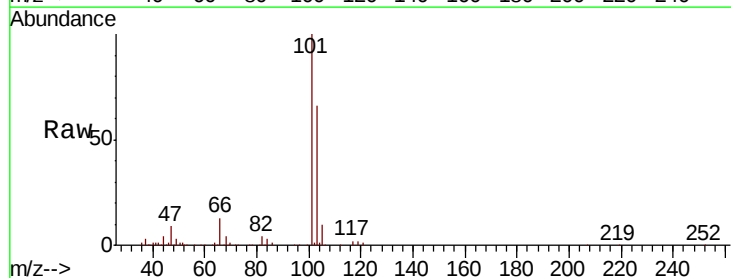
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

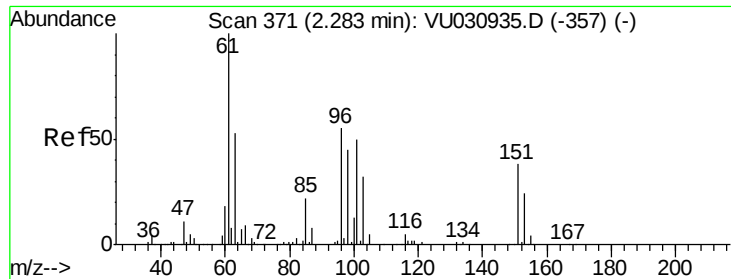
Tot Ion: 64 Resp: 85433
 Ion Ratio Lower Upper
 64 100
 66 31.0 22.1 41.1



#9
 Trichlorofluoromethane
 Concen: 5.400 ug/L
 RT: 1.88 min Scan# 246
 Delta R.T. -0.01 min
 Lab File: VU030935.D
 Acq: 09 Apr 2019 04:17

Tgt Ion:101 Resp: 182765
 Ion Ratio Lower Upper
 101 100
 103 65.1 52.0 78.0





#10

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

Concen: 4.941 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU030935.D

Acq: 09 Apr 2019 04:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

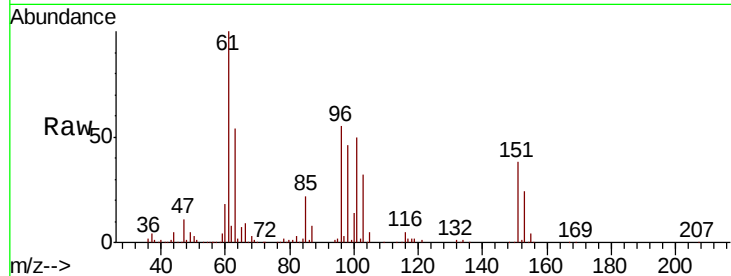
Tot Ion:101 Resp: 92994

Ion Ratio Lower Upper

101 100

85 46.4 35.3 52.9

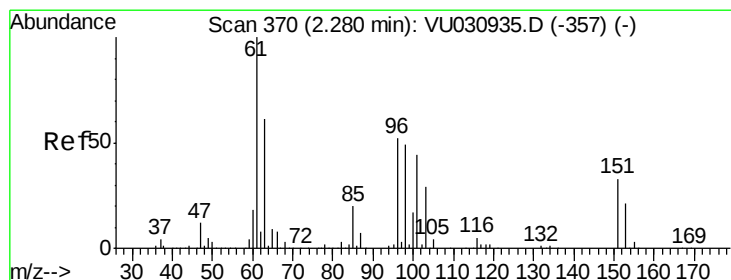
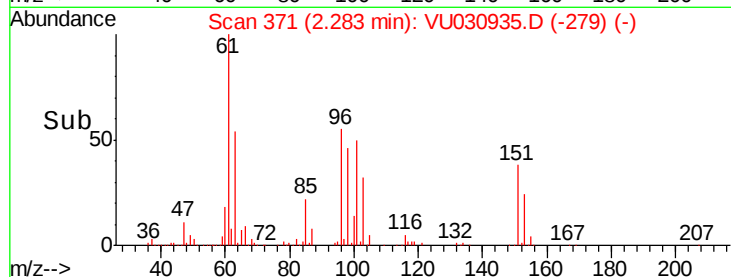
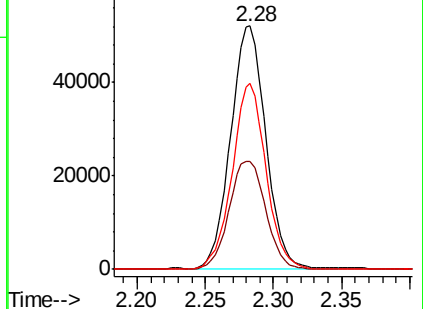
151 73.9 55.2 82.8



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: 5.317 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU030935.D

Acq: 09 Apr 2019 04:17

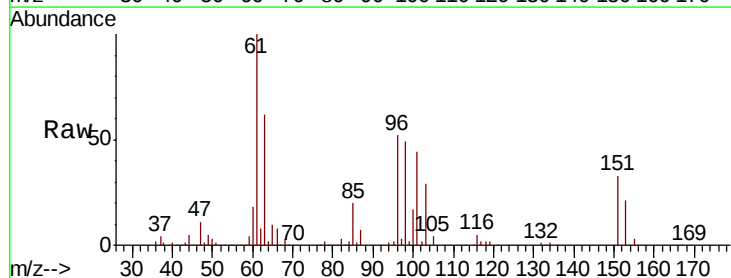
Tgt Ion: 96 Resp: 96801

Ion Ratio Lower Upper

96 100

61 191.1 136.9 254.3

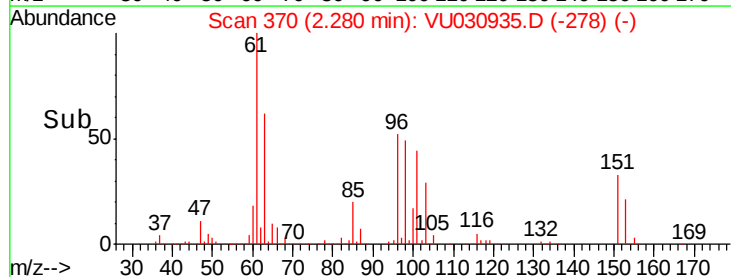
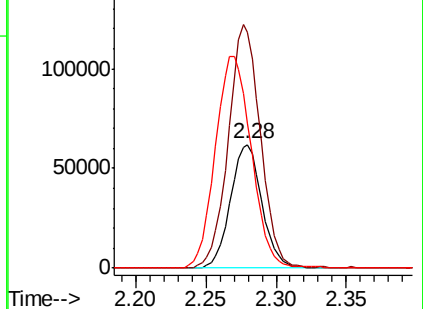
63 117.6 107.7 200.1

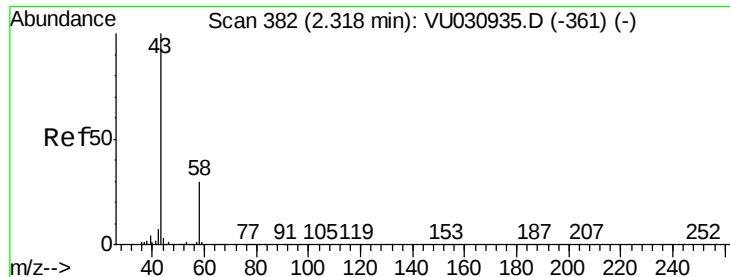


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 56.168 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.04 min

Lab File: VU030935.D

Acq: 09 Apr 2019 04:17

Instrument :

MSVOA_U

ClientSampleId :

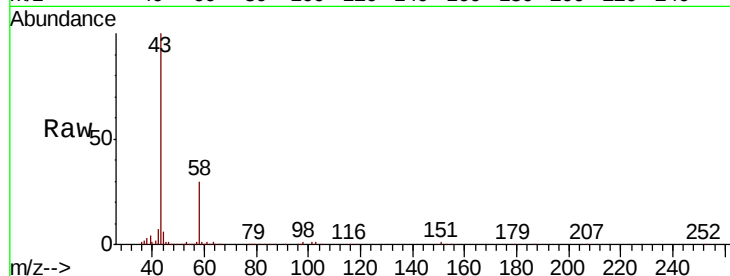
VSTD00512

Tot Ion: 43 Resp: 213365

Ion Ratio Lower Upper

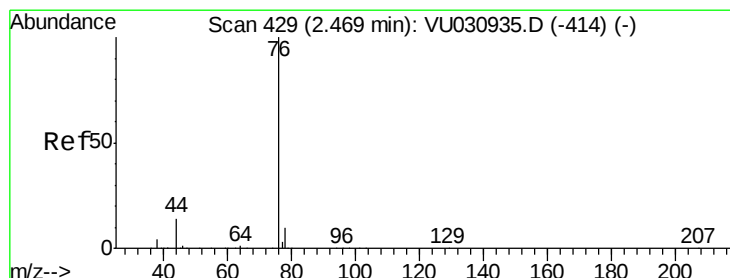
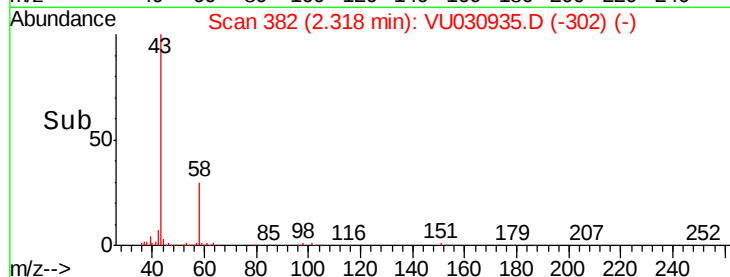
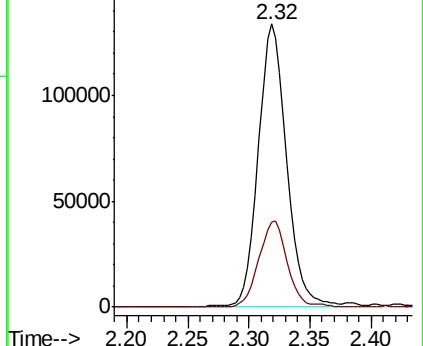
43 100

58 31.2 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU030935.D (-361) (-)

Ion 58.05 (57.75 to 58.75): VU030935.D (-361) (-)



#14

Carbon disulfide

Concen: 5.050 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.01 min

Lab File: VU030935.D

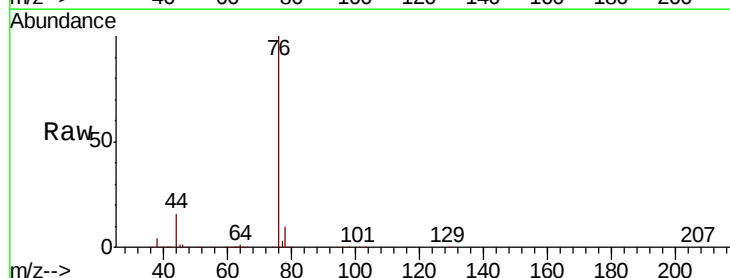
Acq: 09 Apr 2019 04:17

Tgt Ion: 76 Resp: 322414

Ion Ratio Lower Upper

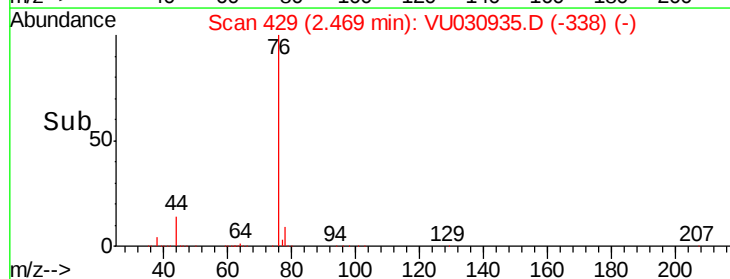
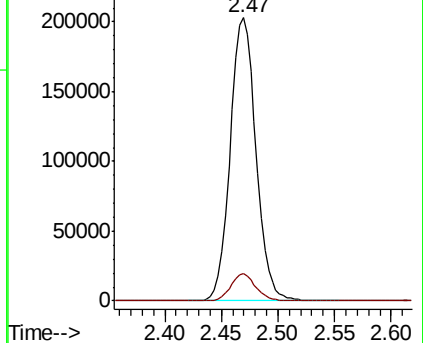
76 100

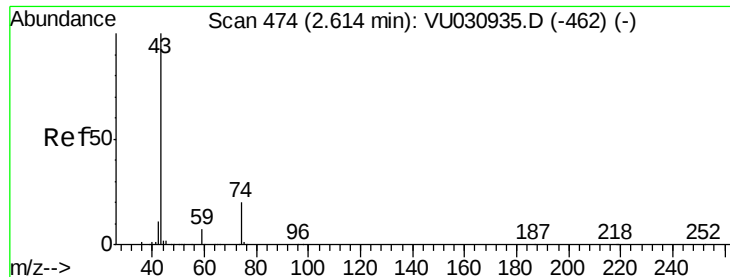
78 9.6 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU030935.D (-414) (-)

Ion 78.00 (77.70 to 78.70): VU030935.D (-414) (-)





#15

Methvl Acetate

Concen: 5.928 ug/L

RT: 2.61 min Scan# 474

Delta R.T. -0.02 min

Lab File: VU030935.D

Acq: 09 Apr 2019 04:17

Instrument :

MSVOA_U

ClientSampleId :

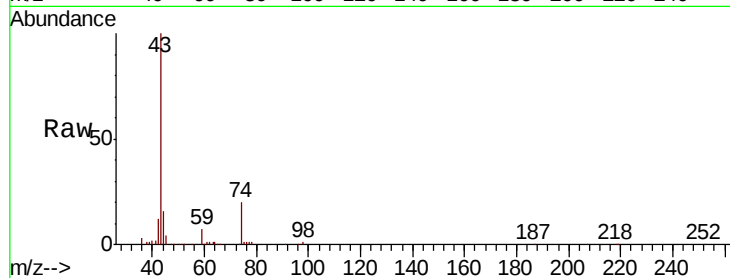
VSTD00512

Tot Ion: 43 Resp: 58171

Ion Ratio Lower Upper

43 100

74 20.4 17.1 25.7



Abundance Ion 43.05 (42.75 to 43.75): VU030935.D (-462) (-)

Ion 74.05 (73.75 to 74.75): VU030935.D (-462) (-)

2.61

40000

30000

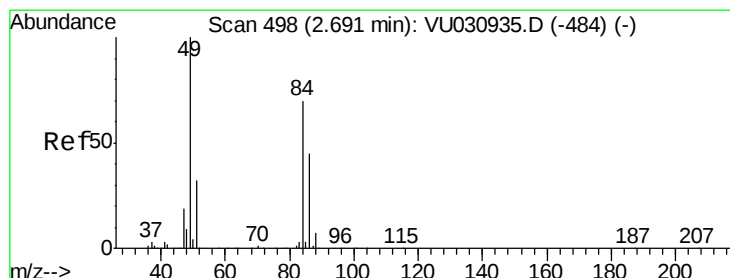
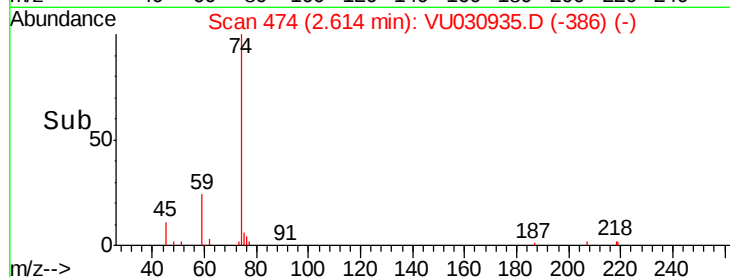
20000

10000

0

Time-->

2.55 2.60 2.65 2.70



#16

Methylene chloride

Concen: 5.228 ug/L

RT: 2.69 min Scan# 498

Delta R.T. -0.01 min

Lab File: VU030935.D

Acq: 09 Apr 2019 04:17

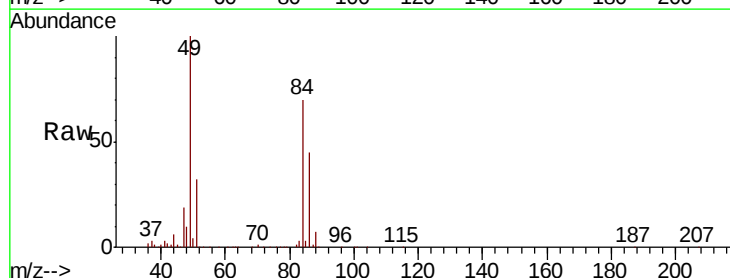
Tgt Ion: 84 Resp: 110964

Ion Ratio Lower Upper

84 100

86 64.3 43.4 80.6

49 143.0 98.5 182.9



Abundance Ion 84.05 (83.75 to 84.75): VU030935.D (-484) (-)

Ion 86.00 (85.70 to 86.70): VU030935.D (-484) (-)

Ion 49.10 (48.80 to 49.80): VU030935.D (-484) (-)

120000

100000

80000

60000

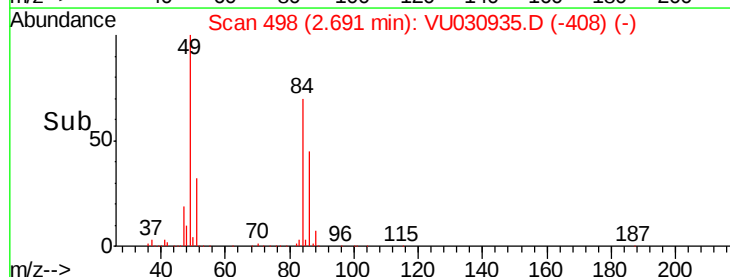
40000

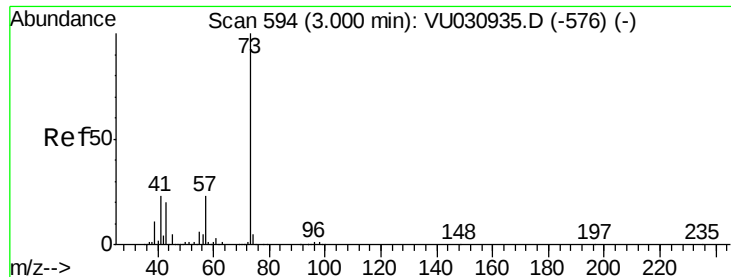
20000

0

Time-->

2.60 2.65 2.70 2.75

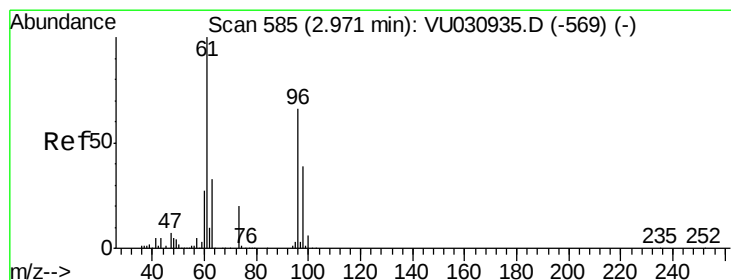
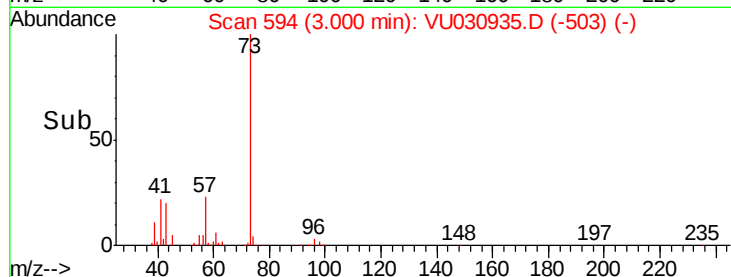
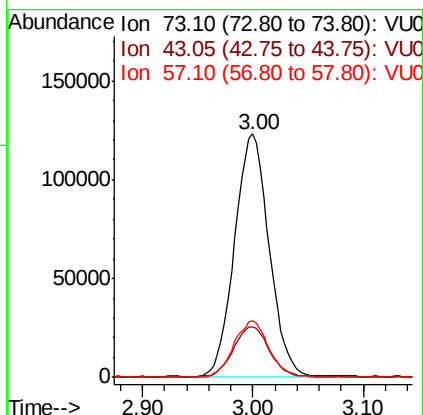
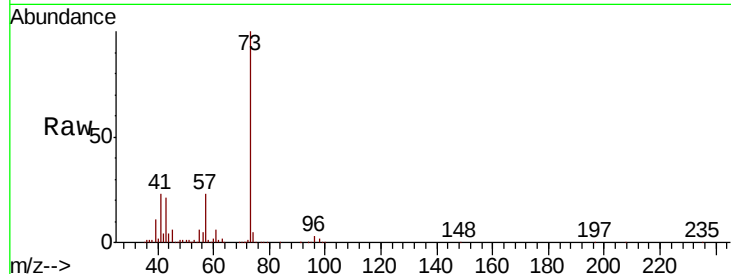




#17
Methvl tert-butvl Ether
Concen: 5.512 ug/L
RT: 3.00 min Scan# 594
Delta R.T. -0.01 min
Lab File: VU030935.D
Acq: 09 Apr 2019 04:17

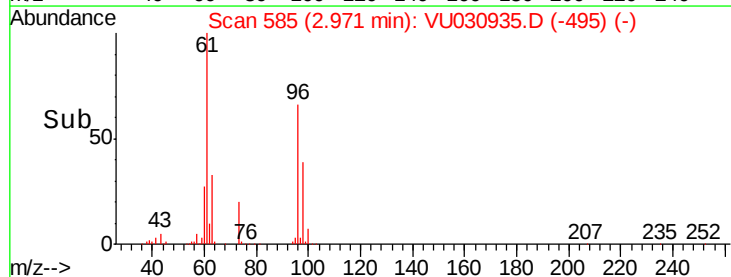
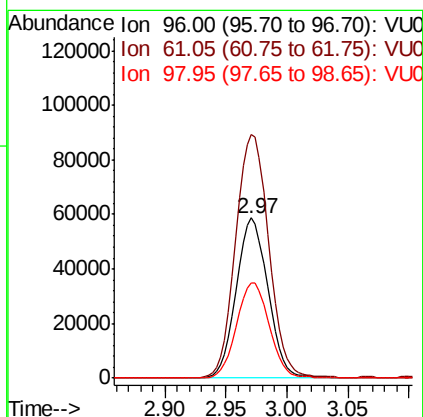
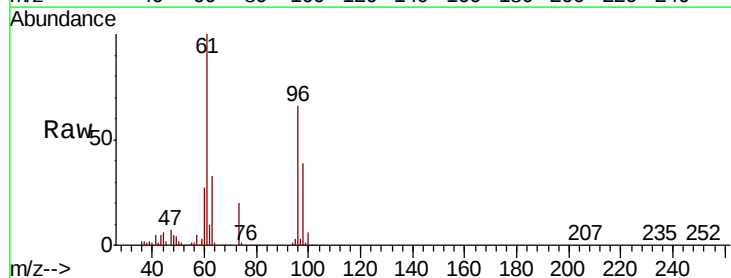
Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

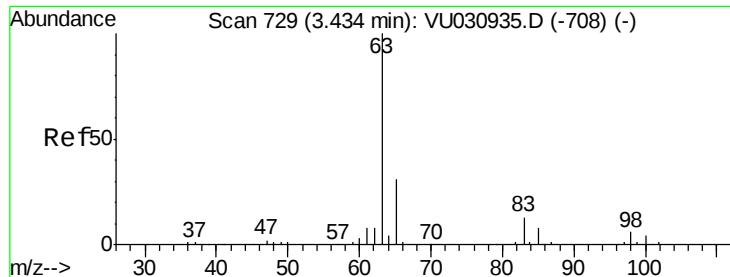
Tot Ion	73	Resp	268635
Ion	Ratio	Lower	Upper
73	100		
43	21.0	17.0	25.4
57	23.4	19.4	29.2



#18
trans-1,2-Dichloroethene
Concen: 5.515 ug/L
RT: 2.97 min Scan# 585
Delta R.T. -0.01 min
Lab File: VU030935.D
Acq: 09 Apr 2019 04:17

Tgt Ion	96	Resp	106010
Ion	Ratio	Lower	Upper
96	100		
61	152.1	116.8	216.8
98	59.8	46.8	87.0

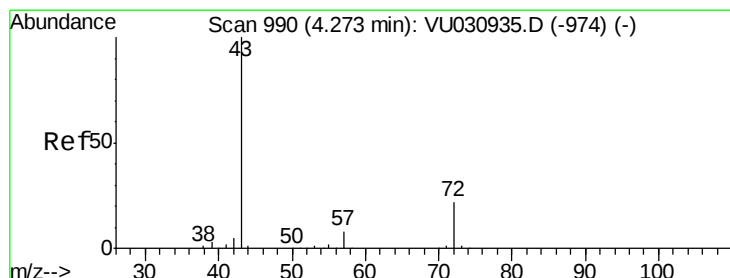
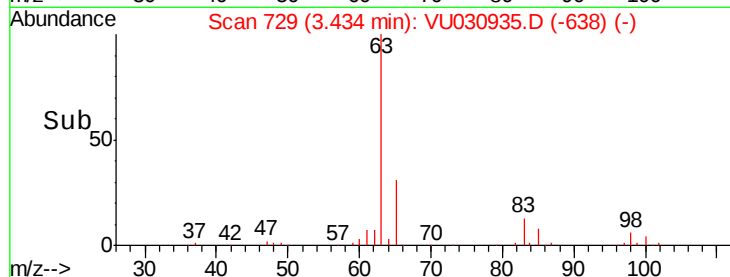
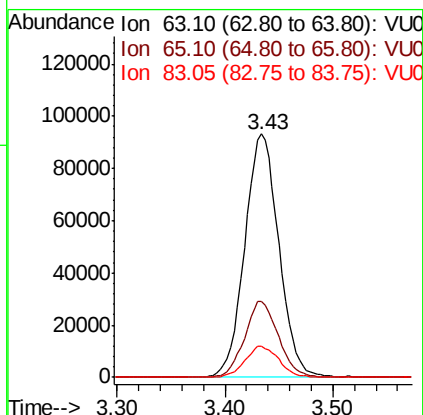
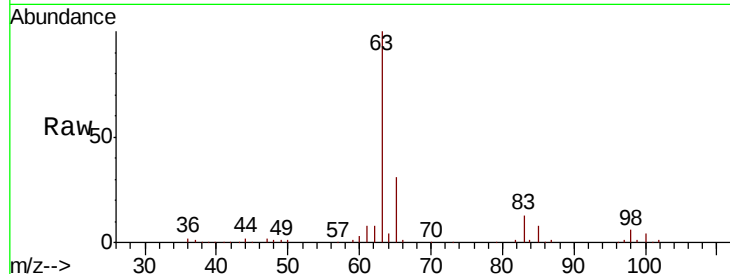




#19
 1,1-Dichloroethane
 Concen: 5.034 ug/L
 RT: 3.43 min Scan# 729
 Delta R.T. -0.01 min
 Lab File: VU030935.D
 Acq: 09 Apr 2019 04:17

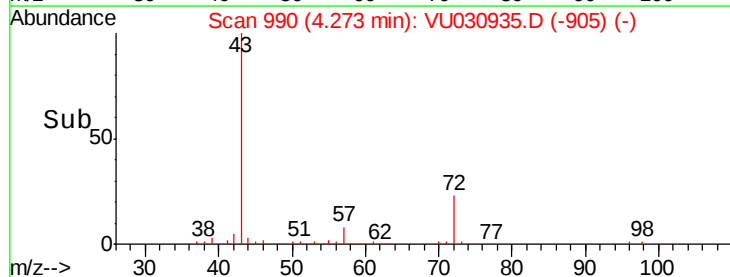
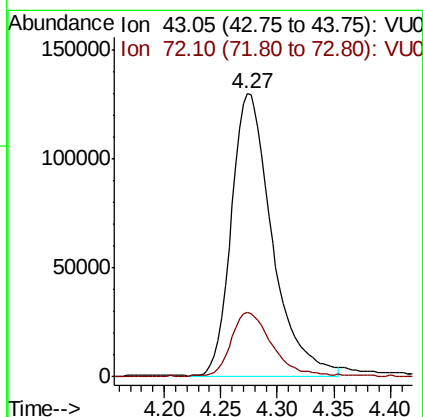
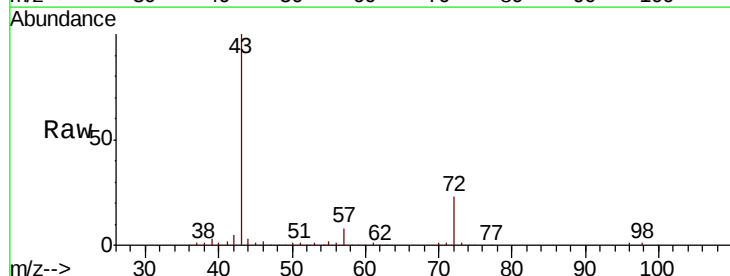
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

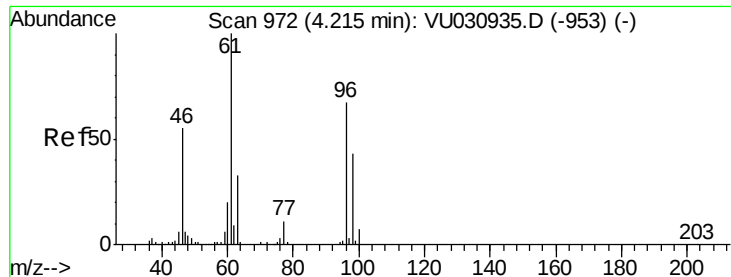
Tot Ion: 63 Resp: 204683
 Ion Ratio Lower Upper
 63 100
 65 31.4 21.6 40.0
 83 12.7 9.1 16.9



#21
 2-Butanone
 Concen: 53.836 ug/L
 RT: 4.27 min Scan# 990
 Delta R.T. -0.03 min
 Lab File: VU030935.D
 Acq: 09 Apr 2019 04:17

Tgt Ion: 43 Resp: 324112
 Ion Ratio Lower Upper
 43 100
 72 22.0 11.2 33.5



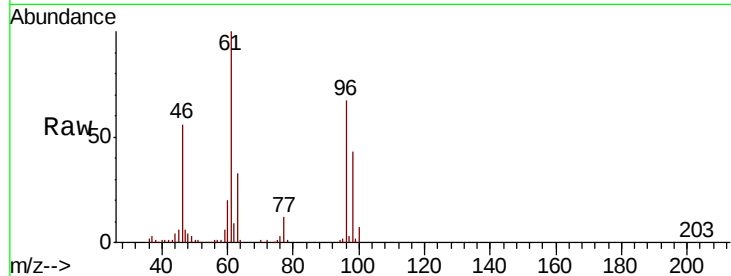


#22

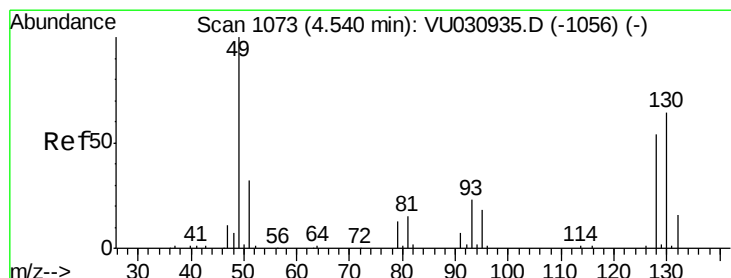
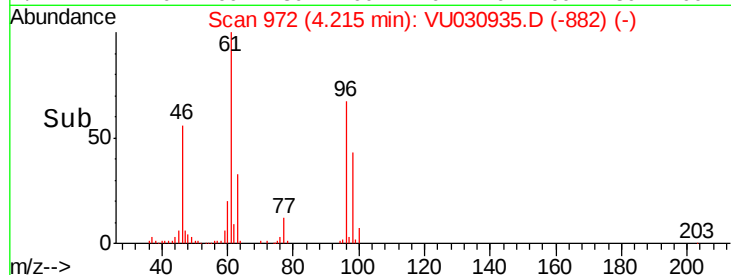
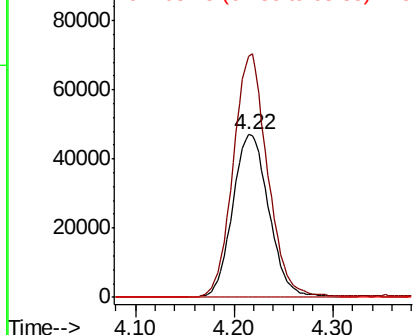
cis-1,2-Dichloroethene
 Concen: 5.864 ug/L
 RT: 4.22 min Scan# 972
 Delta R.T. -0.01 min
 Lab File: VU030935.D
 Acq: 09 Apr 2019 04:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.4	98.9	183.7
68	0.0	0.0	0.0



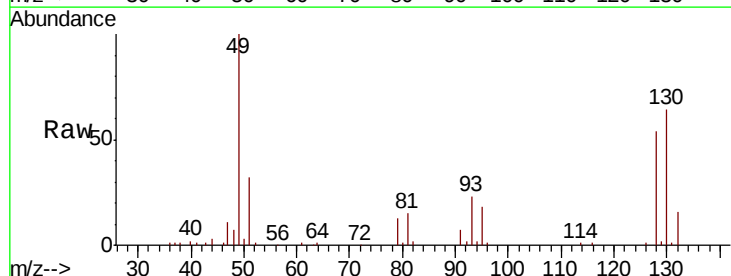
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



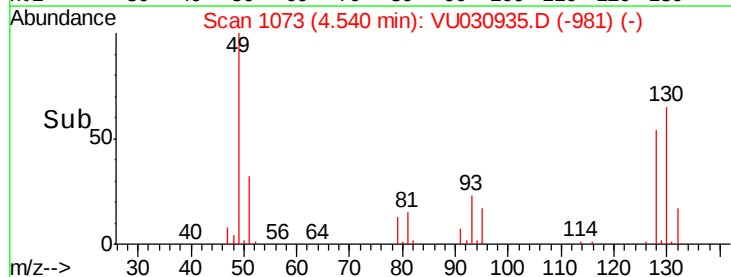
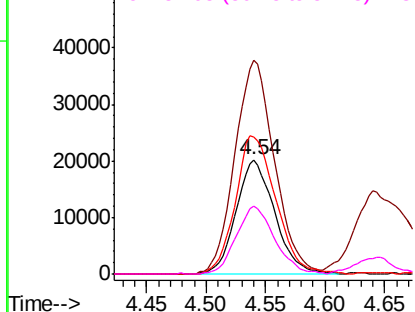
#23

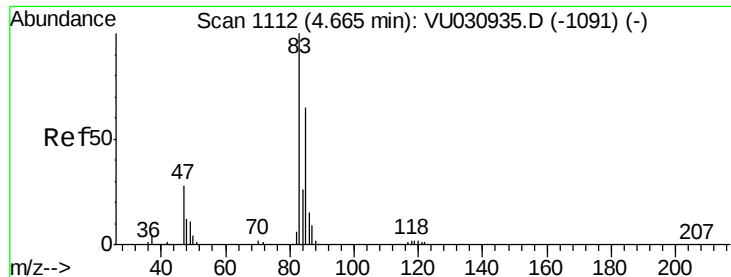
Bromochloromethane
 Concen: 5.536 ug/L
 RT: 4.54 min Scan# 1073
 Delta R.T. -0.00 min
 Lab File: VU030935.D
 Acq: 09 Apr 2019 04:17

Tgt Ion	Ratio	Lower	Upper
128	100		
49	186.9	140.6	261.2
130	119.9	87.3	162.1
51	59.3	51.8	77.6



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

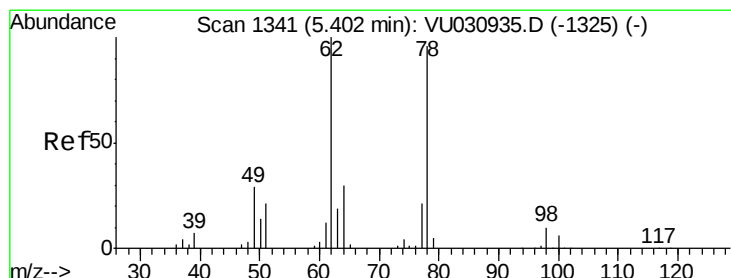
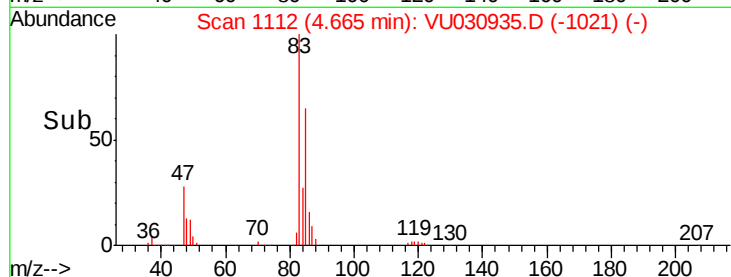
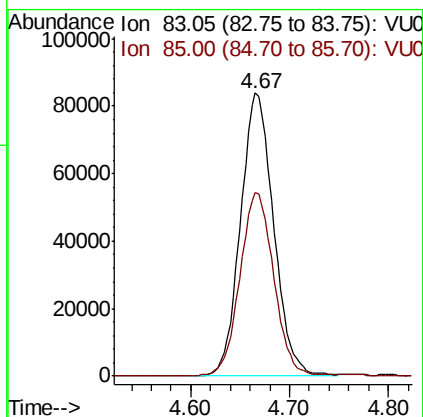
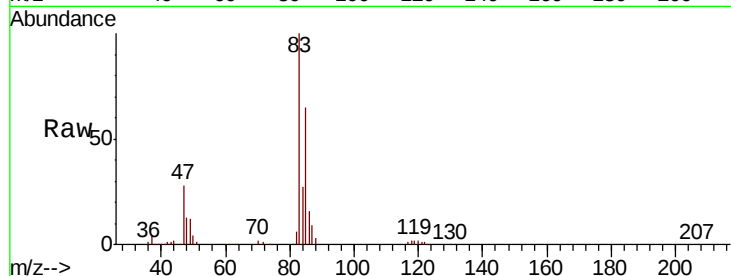




#25
Chloroform
Concen: 5.260 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VU030935.D
Acq: 09 Apr 2019 04:17

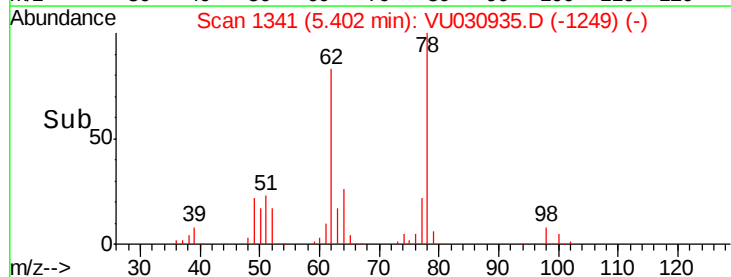
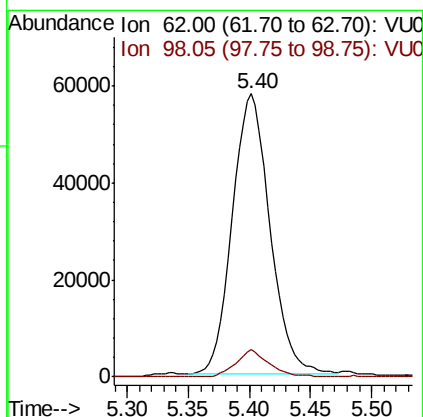
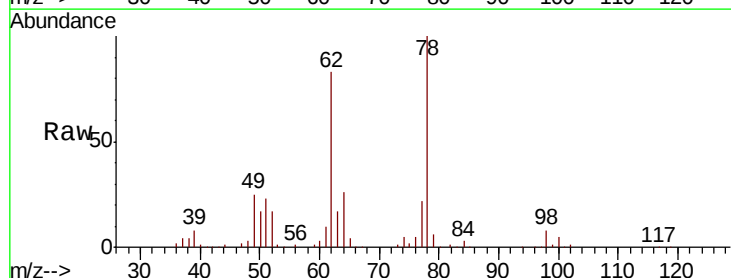
Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

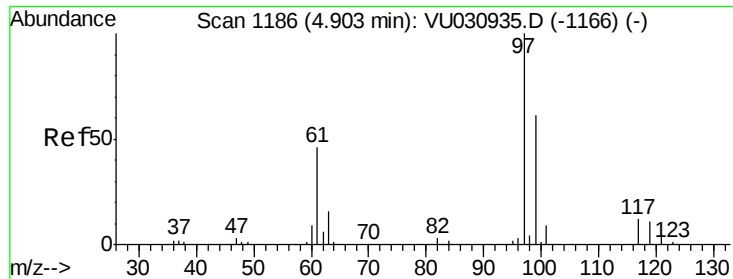
Tot Ion: 83 Resp: 194975
Ion Ratio Lower Upper
83 100
85 64.8 44.2 82.2



#27
1,2-Dichloroethane
Concen: 5.138 ug/L
RT: 5.40 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VU030935.D
Acq: 09 Apr 2019 04:17

Tgt Ion: 62 Resp: 123583
Ion Ratio Lower Upper
62 100
98 9.5 7.4 11.2

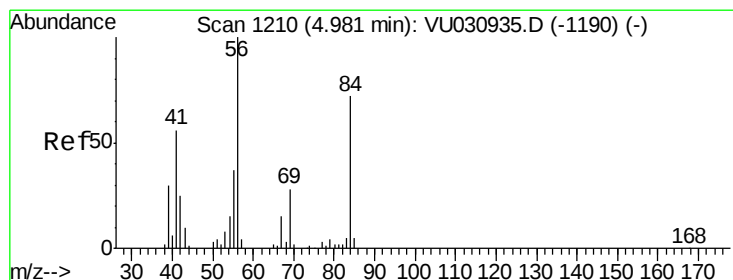
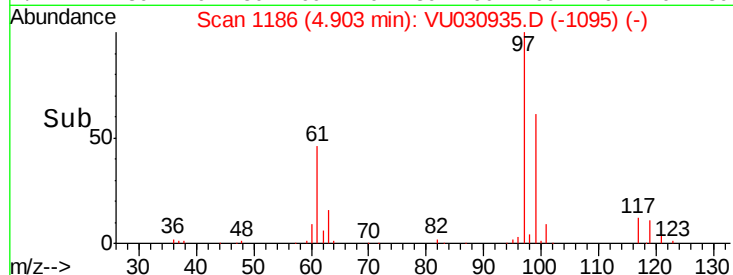
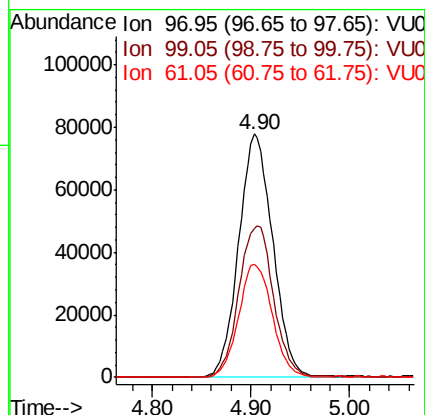
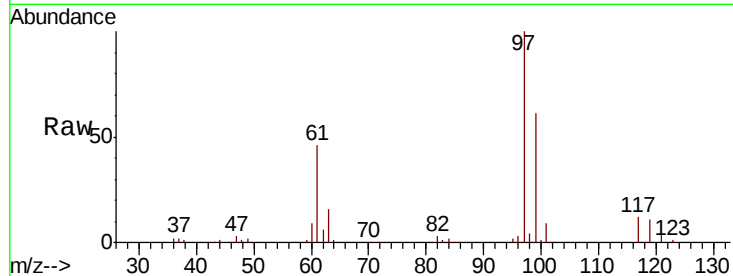




#29
 1,1,1-Trichloroethane
 Concen: 5.871 ug/L
 RT: 4.90 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: VU030935.D
 Acq: 09 Apr 2019 04:17

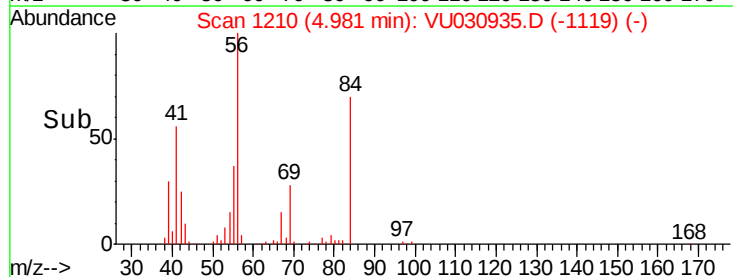
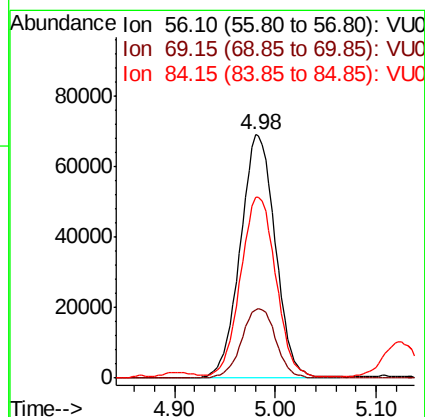
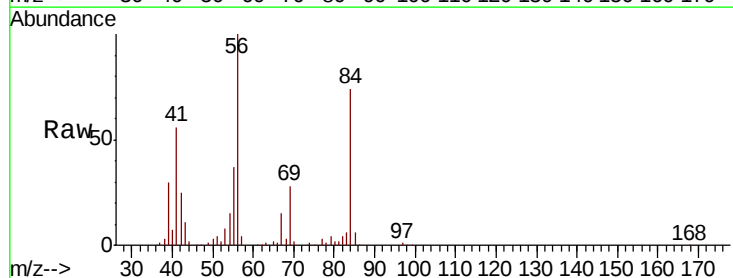
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

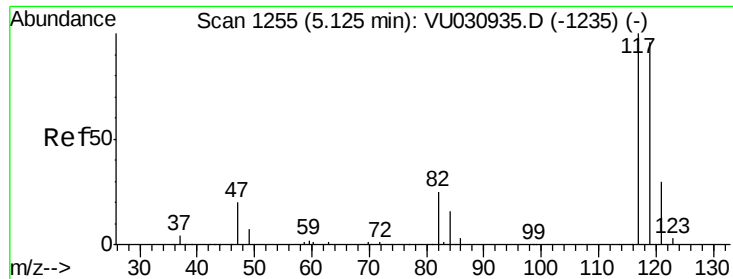
Tot Ion: 97 Resp: 186665
 Ion Ratio Lower Upper
 97 100
 99 63.4 51.8 77.6
 61 45.9 38.1 57.1



#30
 Cyclohexane
 Concen: 4.332 ug/L
 RT: 4.98 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: VU030935.D
 Acq: 09 Apr 2019 04:17

Tgt Ion: 56 Resp: 166290
 Ion Ratio Lower Upper
 56 100
 69 27.9 22.3 33.5
 84 73.8 58.3 87.5

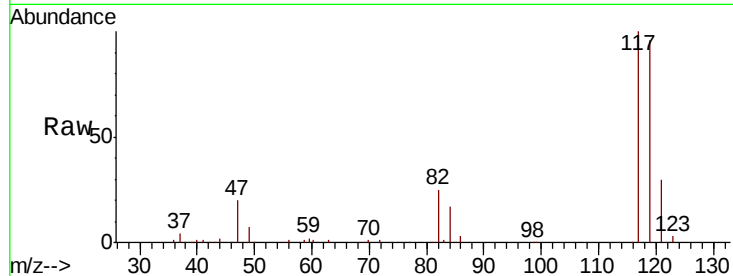




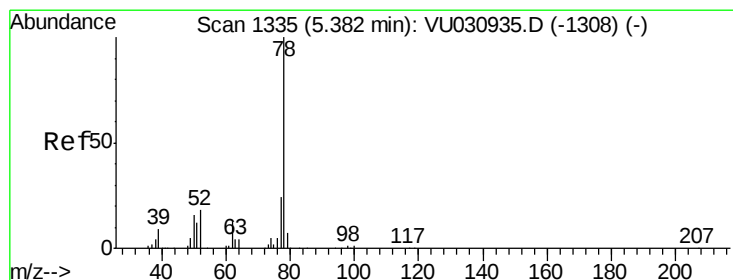
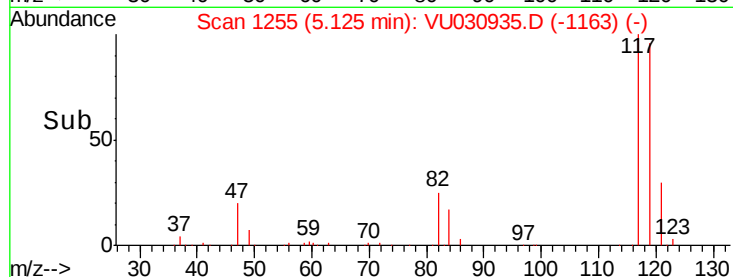
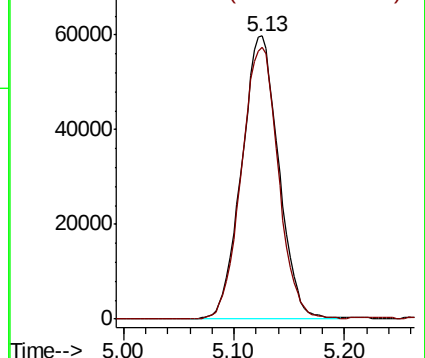
#31
Carbon tetrachloride
Concen: 5.204 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VU030935.D
Acq: 09 Apr 2019 04:17

Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

Tot Ion:117 Resp: 138901
Ion Ratio Lower Upper
117 100
119 96.0 73.7 110.5

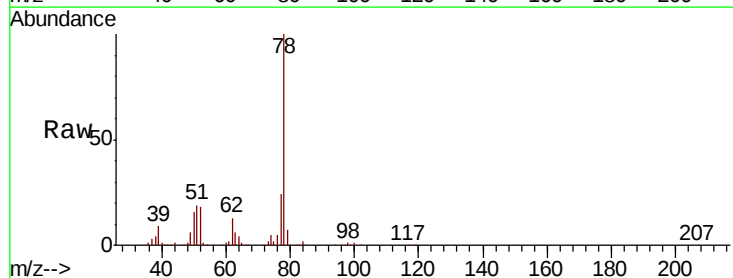


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

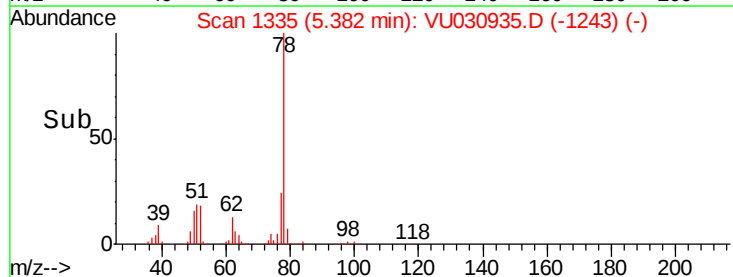
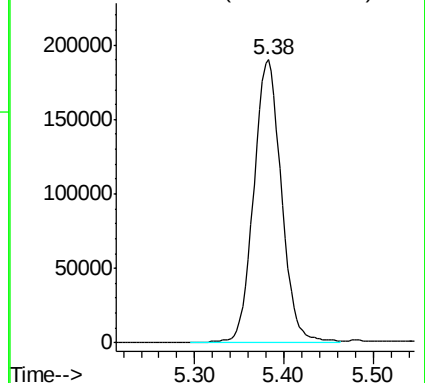


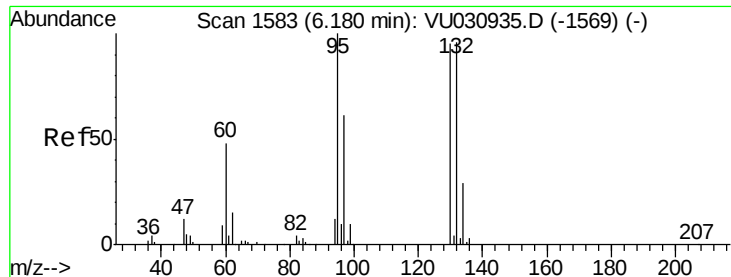
#33
Benzene
Concen: 4.891 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU030935.D
Acq: 09 Apr 2019 04:17

Tgt Ion: 78 Resp: 412966



Abundance Ion 78.10 (77.80 to 78.80): VU0

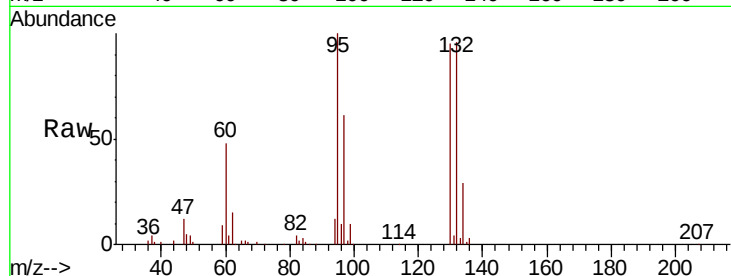




#34
 Trichloroethene
 Concen: 4.801 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VU030935.D
 Acq: 09 Apr 2019 04:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

Tot Ion	95	Resp	101458
Ion	Ratio	Lower	Upper
95	100		
97	61.3	43.5	80.9
132	95.6	60.7	112.7
130	95.4	65.1	120.9



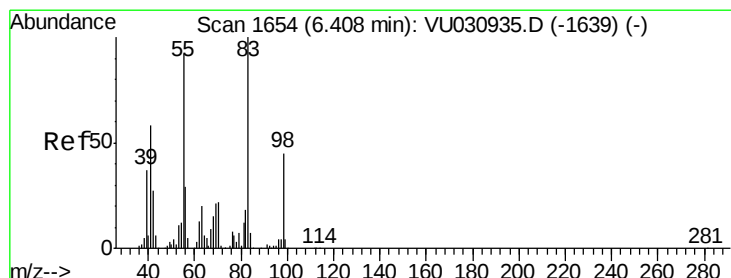
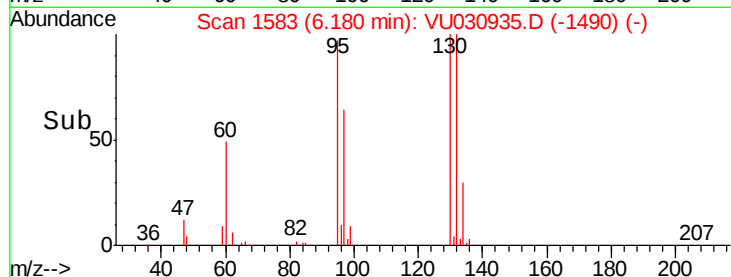
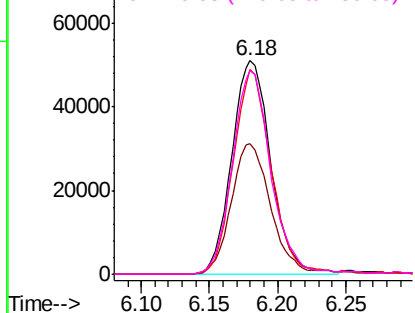
Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

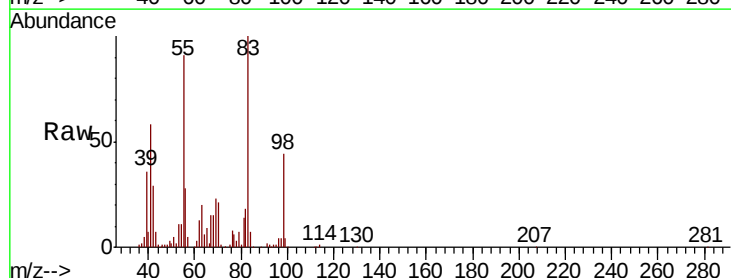
Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35
 Methylcyclohexane
 Concen: 4.142 ug/L
 RT: 6.41 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: VU030935.D
 Acq: 09 Apr 2019 04:17

Tgt Ion	83	Resp	139690
Ion	Ratio	Lower	Upper
83	100		
55	93.5	72.6	108.8
98	44.4	35.0	52.6

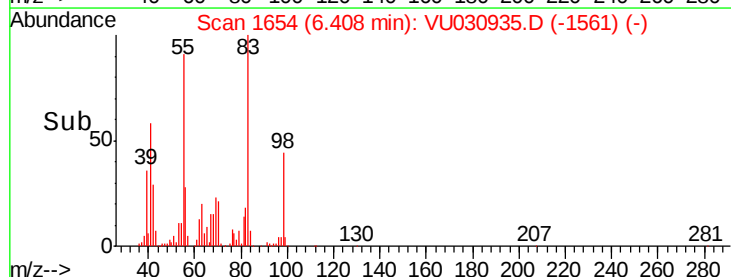
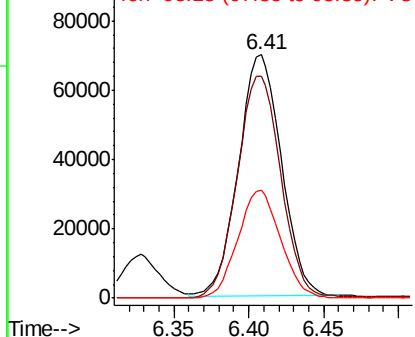


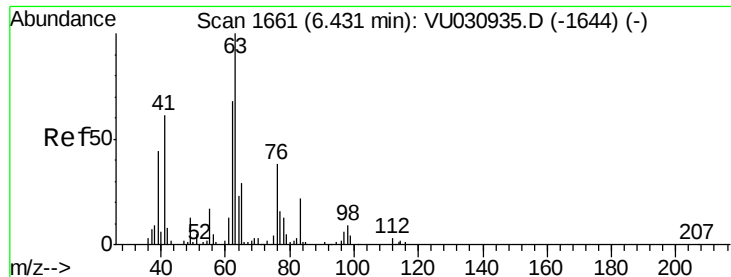
Abundance

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

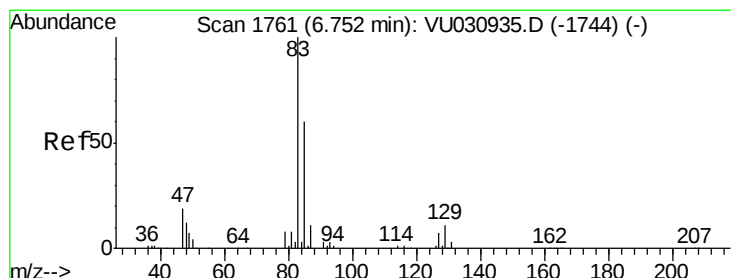
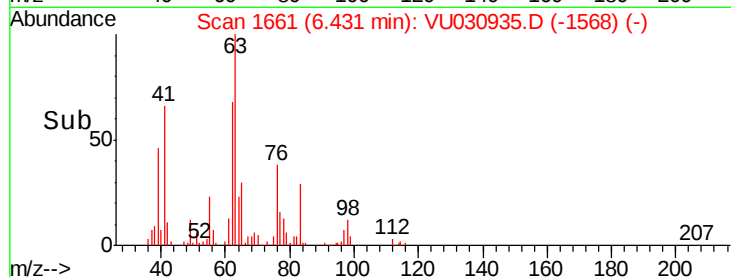
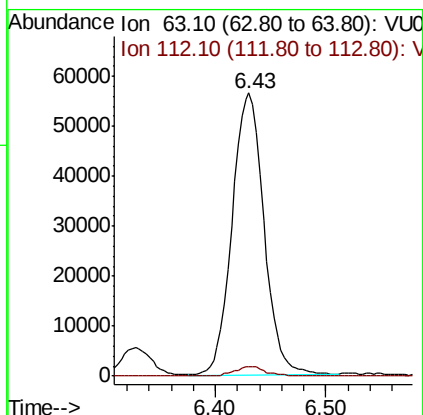
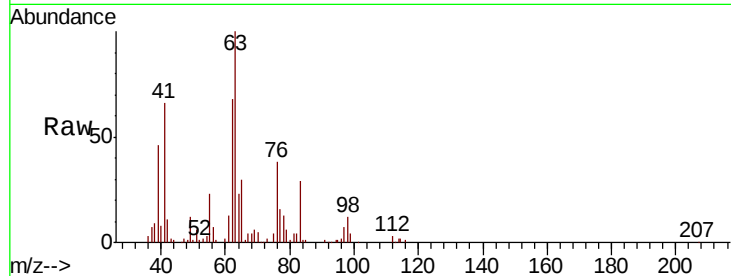




#37
 1,2-Dichloropropane
 Concen: 4.884 ug/L
 RT: 6.43 min Scan# 1661
 Delta R.T. -0.00 min
 Lab File: VU030935.D
 Acq: 09 Apr 2019 04:17

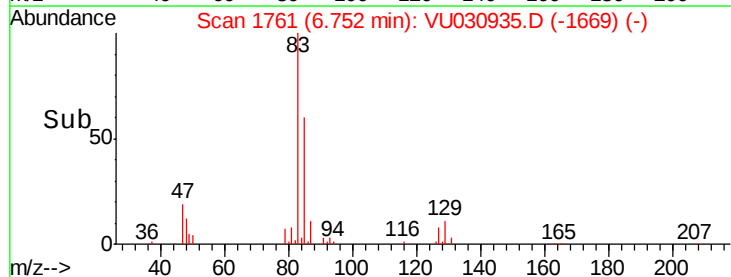
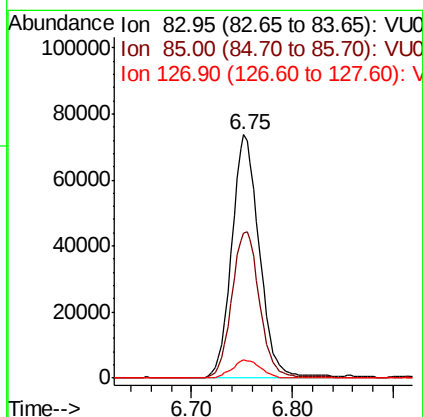
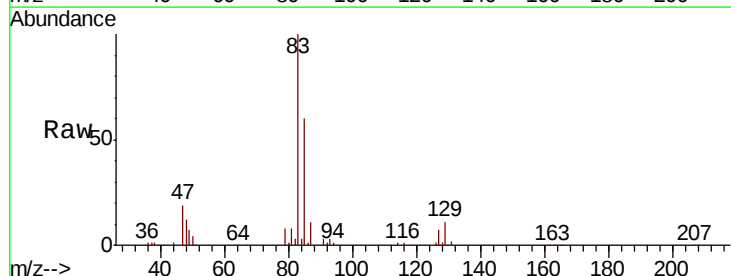
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

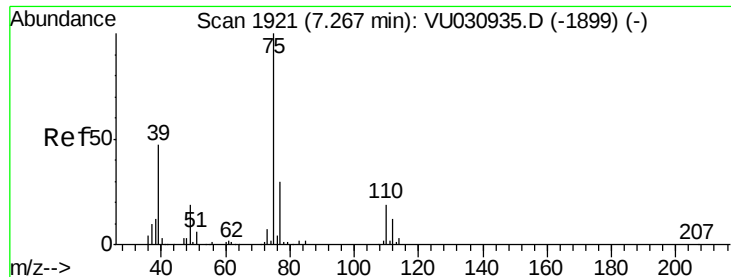
Tot Ion: 63 Resp: 113472
 Ion Ratio Lower Upper
 63 100
 112 3.3 2.8 4.2



#38
 Bromodichloromethane
 Concen: 5.184 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. -0.00 min
 Lab File: VU030935.D
 Acq: 09 Apr 2019 04:17

Tgt Ion: 83 Resp: 140646
 Ion Ratio Lower Upper
 83 100
 85 59.5 45.1 83.9
 127 7.5 6.5 9.7

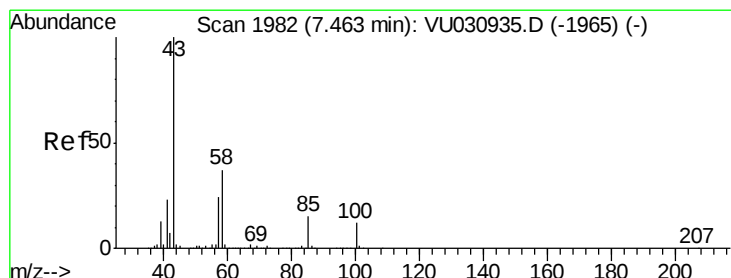
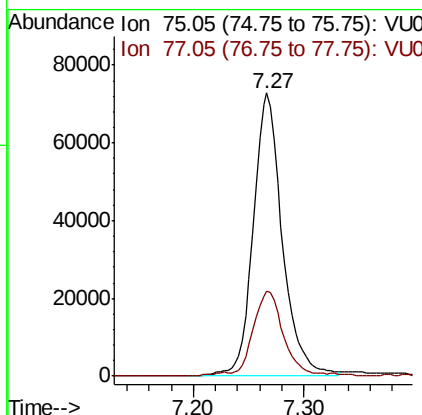
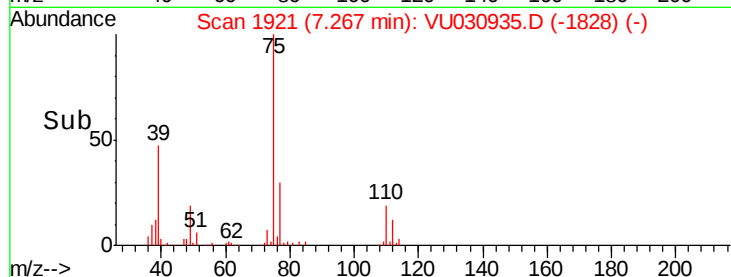
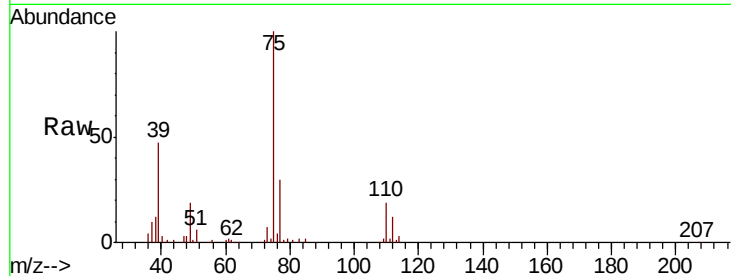




#39
 cis-1,3-Dichloropropene
 Concen: 4.288 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU030935.D
 Acq: 09 Apr 2019 04:17

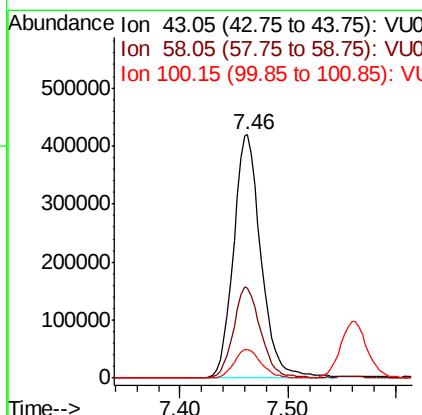
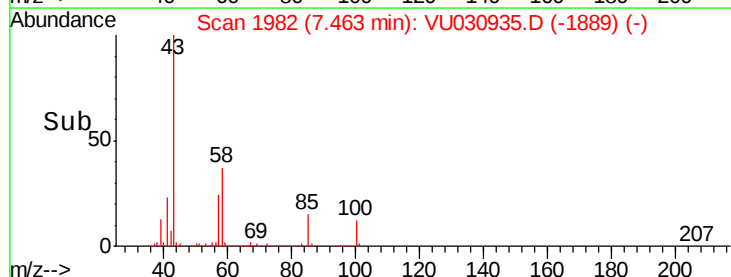
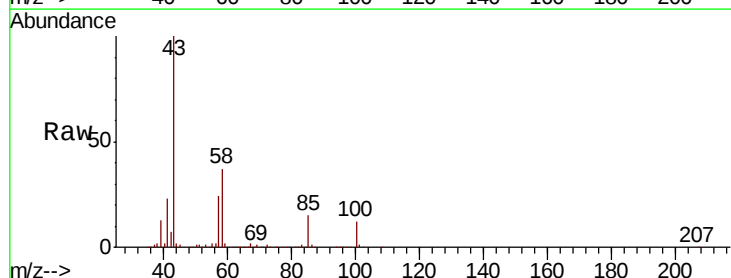
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

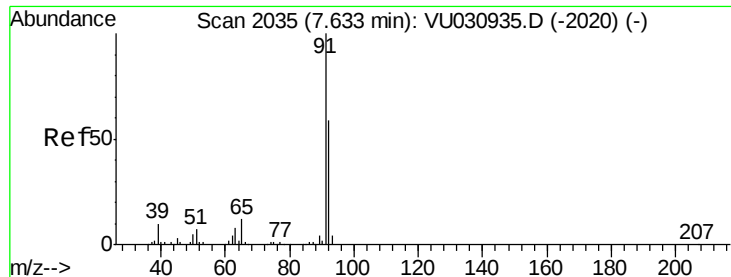
Tot Ion: 75 Resp: 133223
 Ion Ratio Lower Upper
 75 100
 77 30.0 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 51.583 ug/L
 RT: 7.46 min Scan# 1982
 Delta R.T. -0.00 min
 Lab File: VU030935.D
 Acq: 09 Apr 2019 04:17

Tgt Ion: 43 Resp: 747618
 Ion Ratio Lower Upper
 43 100
 58 37.0 29.4 44.2
 100 11.8 9.2 13.8





#42

Toluene

Concen: 5.037 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU030935.D

Acq: 09 Apr 2019 04:17

Instrument :

MSVOA_U

ClientSampleId :

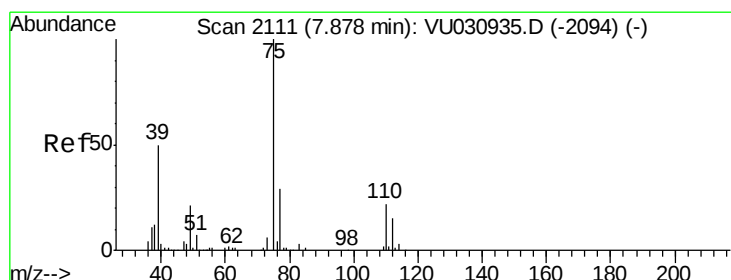
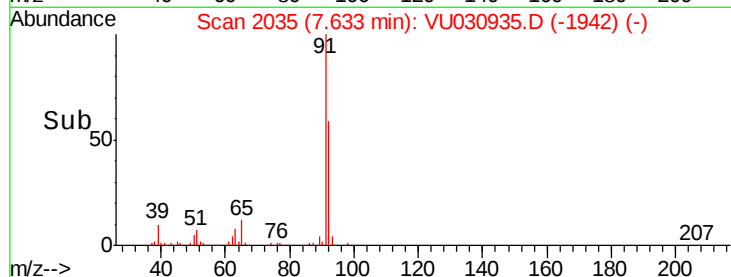
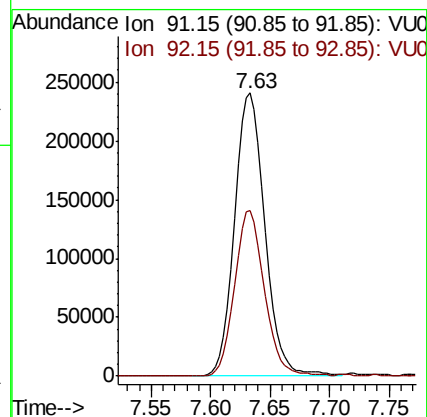
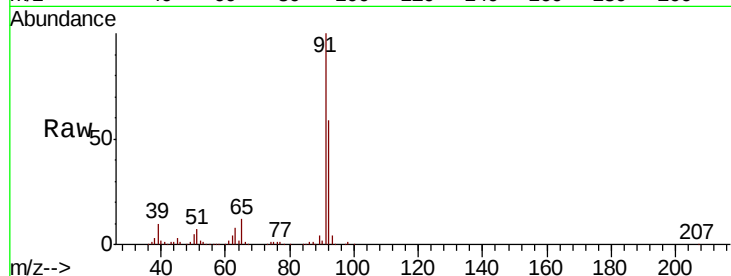
VSTD00512

Tot Ion: 91 Resp: 426469

Ion Ratio Lower Upper

91 100

92 58.7 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 4.656 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU030935.D

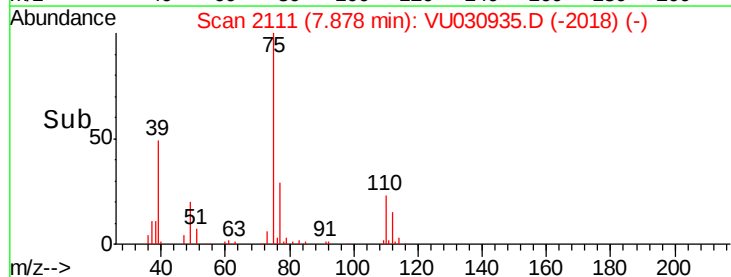
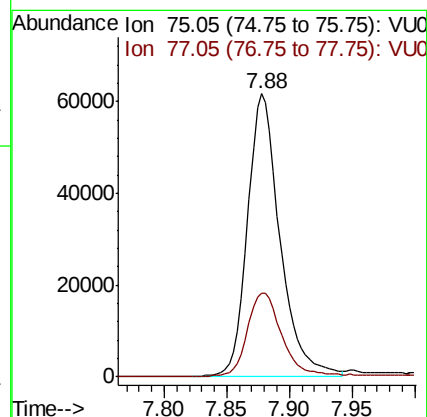
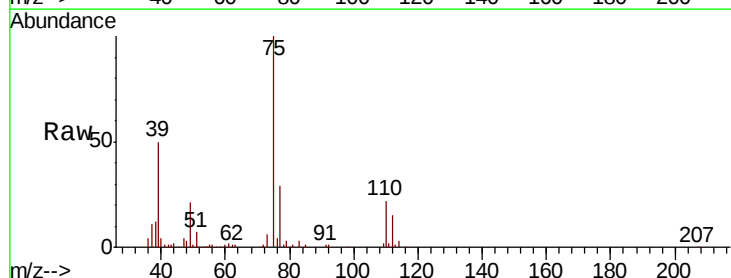
Acq: 09 Apr 2019 04:17

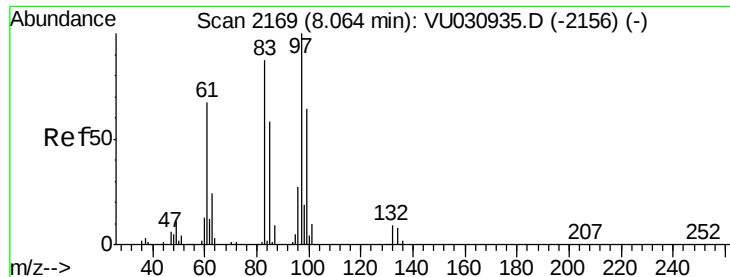
Tgt Ion: 75 Resp: 111986

Ion Ratio Lower Upper

75 100

77 29.4 21.6 40.0

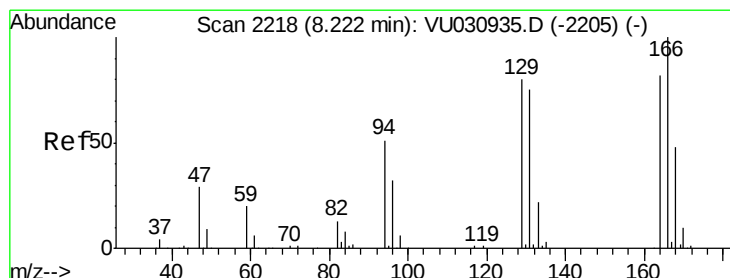
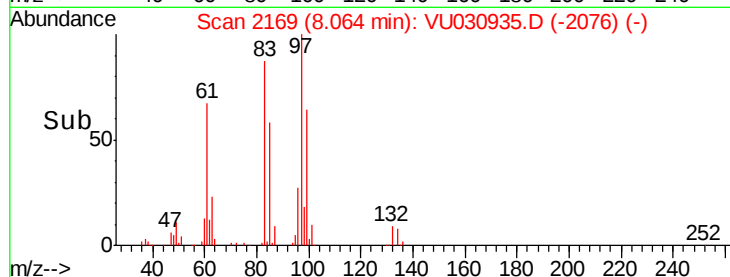
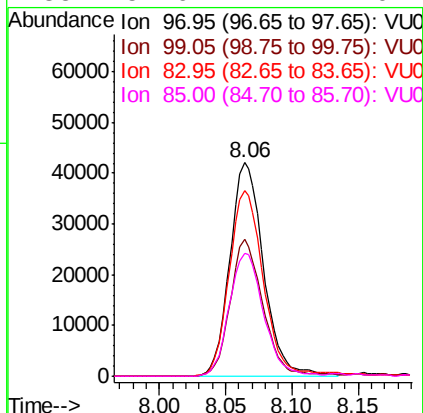
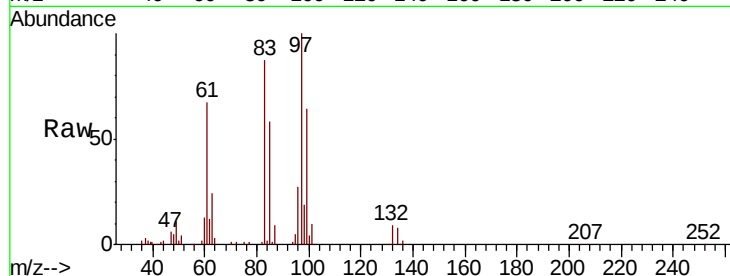




#45
 1,1,2-Trichloroethane
 Concen: 5.368 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU030935.D
 Acq: 09 Apr 2019 04:17

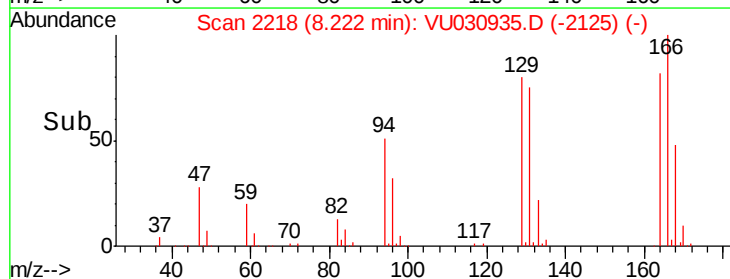
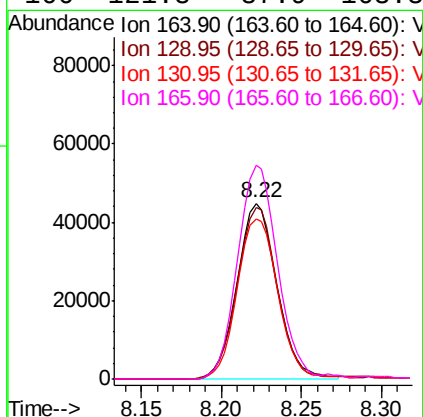
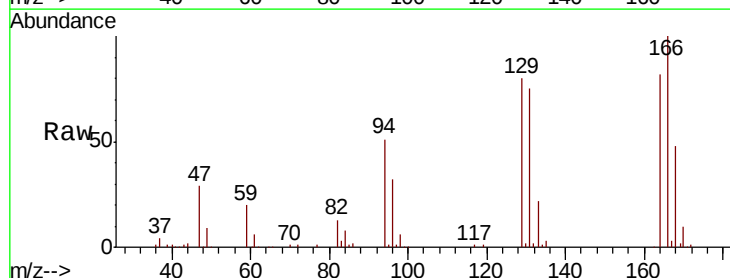
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

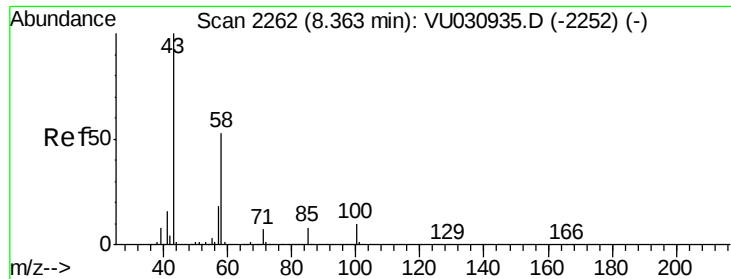
Tot Ion:	97	Resp:	74370
Ion	Ratio	Lower	Upper
97	100		
99	64.0	45.3	84.1
83	87.0	66.5	123.5
85	57.6	41.2	76.4



#47
 Tetrachloroethene
 Concen: 5.118 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU030935.D
 Acq: 09 Apr 2019 04:17

Tgt Ion:	164	Resp:	75868
Ion	Ratio	Lower	Upper
164	100		
129	97.7	70.1	130.1
131	91.4	67.8	125.8
166	121.8	87.9	163.3

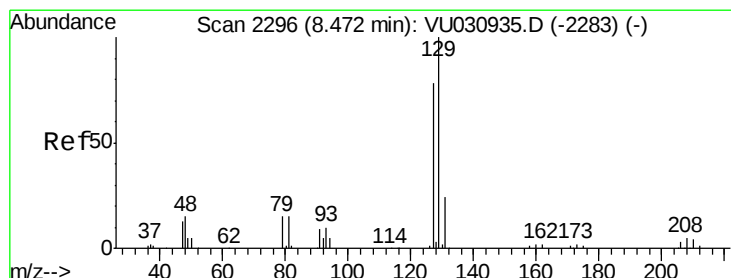
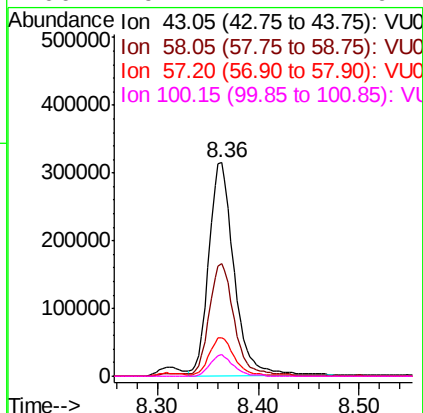
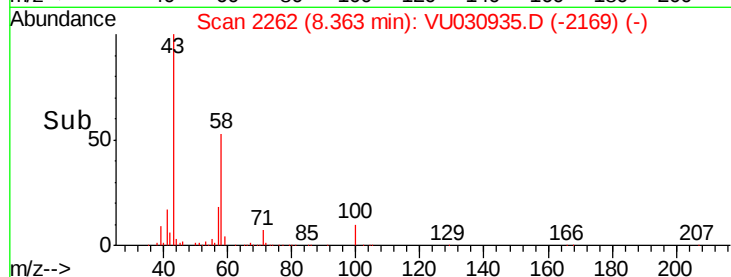
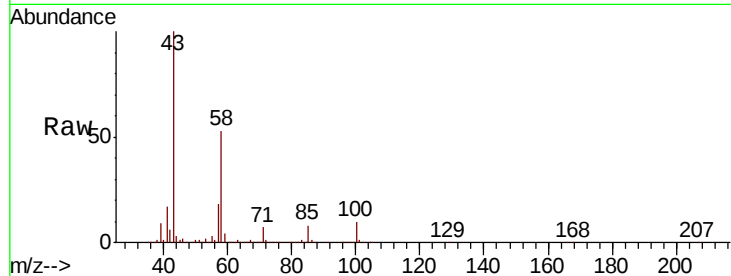




#48
2-Hexanone
Concen: 54.400 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VU030935.D
Acq: 09 Apr 2019 04:17

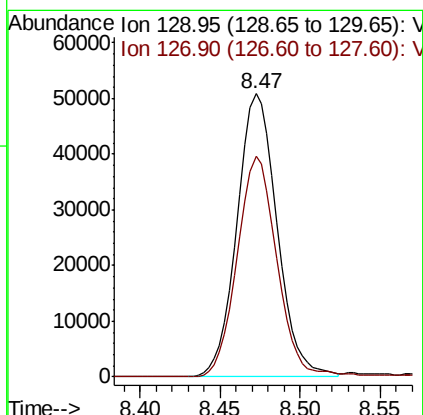
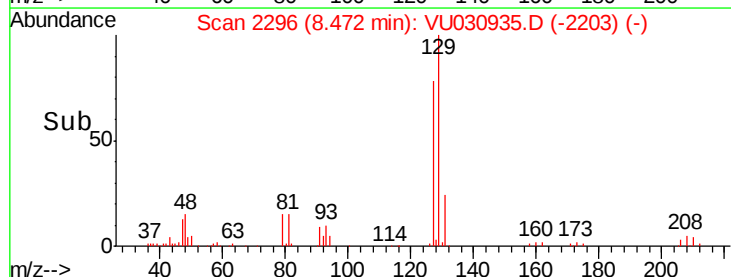
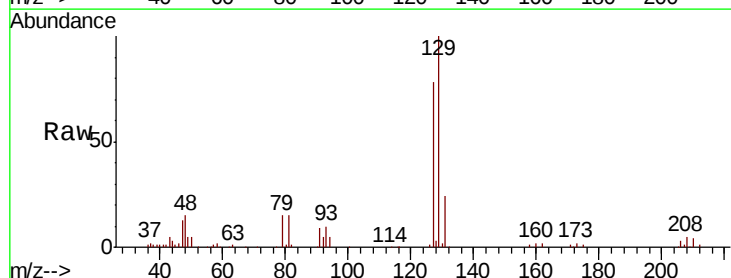
Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

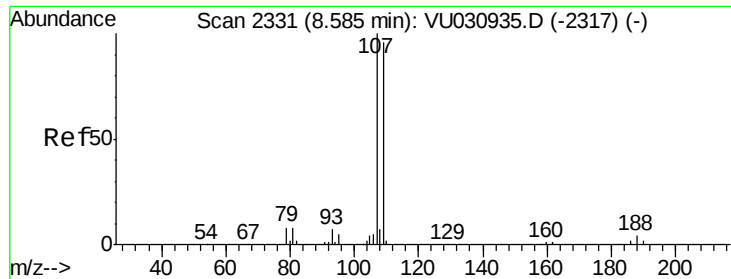
Tot Ion:	43	Resp:	546317
Ion	Ratio	Lower	Upper
43	100		
58	52.7	42.5	63.7
57	17.5	13.9	20.9
100	9.4	7.1	10.7



#49
Dibromochloromethane
Concen: 5.251 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU030935.D
Acq: 09 Apr 2019 04:17

Tgt Ion:	129	Resp:	86993
Ion	Ratio	Lower	Upper
129	100		
127	78.0	51.1	94.9





#50

1,2-Dibromoethane

Concen: 5.335 ug/L

RT: 8.58 min Scan# 2331

Delta R.T. -0.00 min

Lab File: VU030935.D

Acq: 09 Apr 2019 04:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

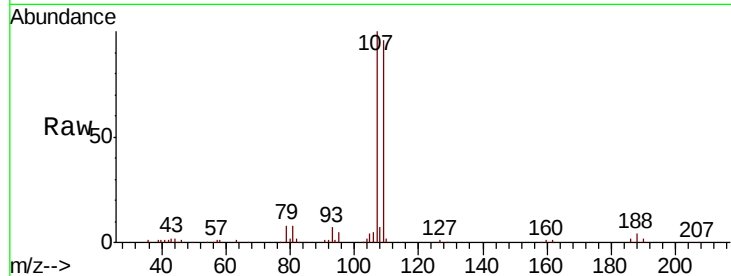
Tot Ion:107 Resp: 68900

Ion Ratio Lower Upper

107 100

109 96.2 65.6 121.8

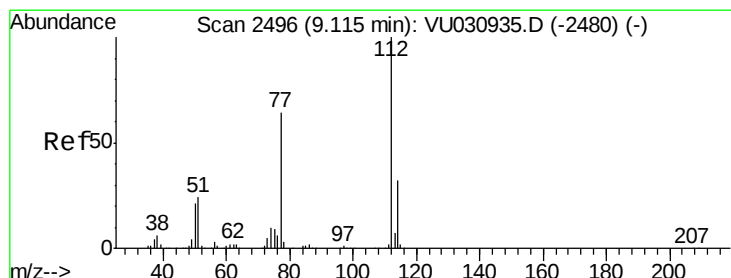
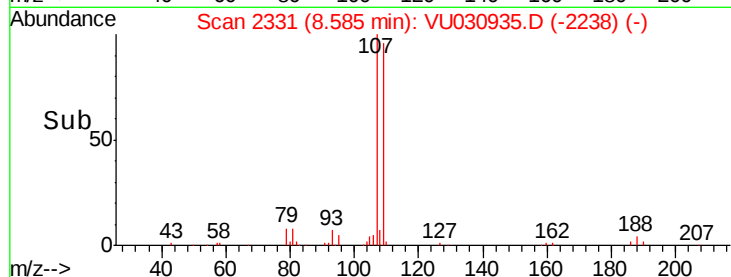
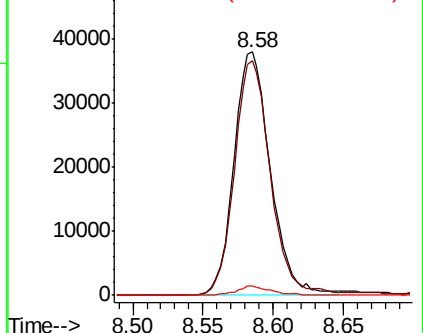
188 3.6 2.9 4.3



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: 4.757 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. -0.00 min

Lab File: VU030935.D

Acq: 09 Apr 2019 04:17

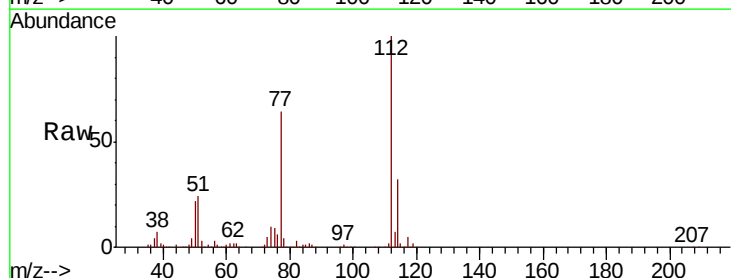
Tgt Ion:112 Resp: 248384

Ion Ratio Lower Upper

112 100

114 31.8 22.3 41.5

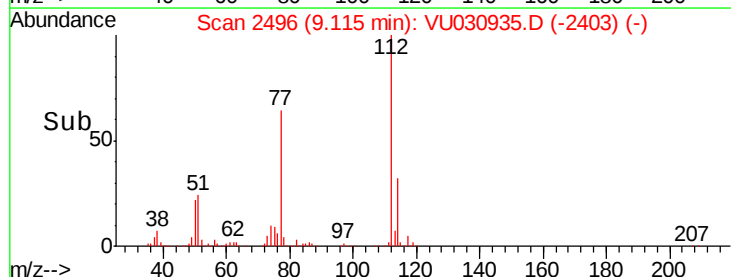
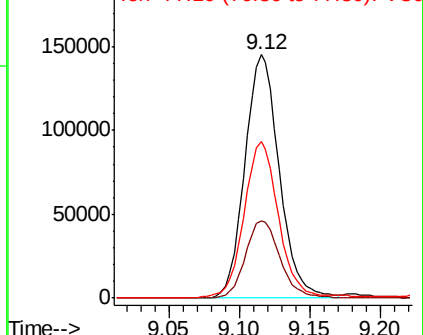
77 64.1 51.0 76.6

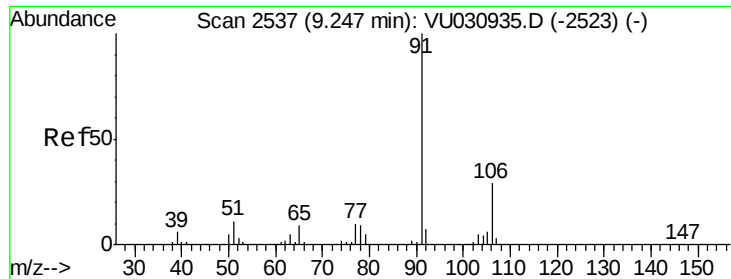


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 4.683 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU030935.D

Acq: 09 Apr 2019 04:17

Instrument :

MSVOA_U

ClientSampleId :

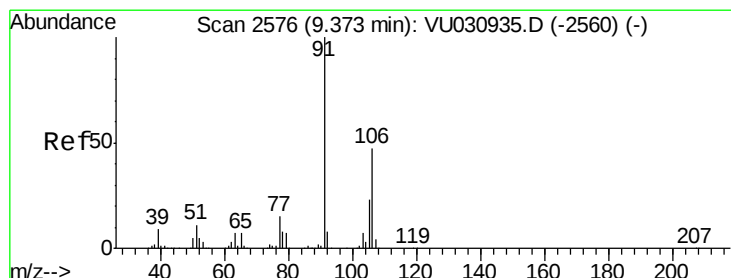
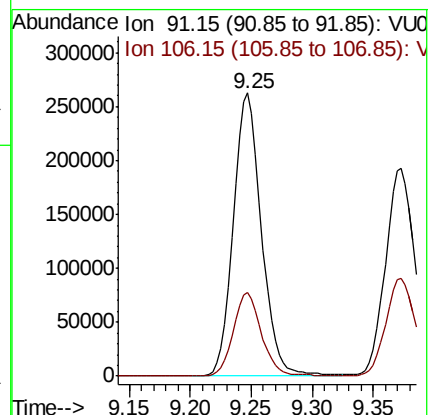
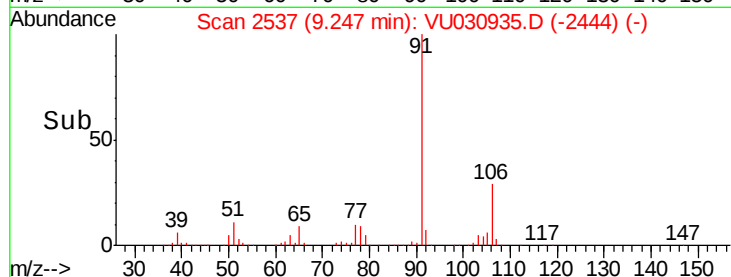
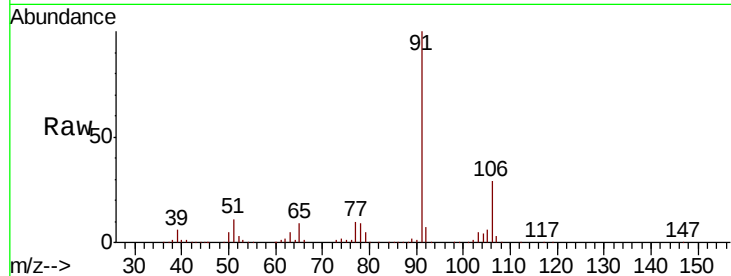
VSTD00512

Tot Ion: 91 Resp: 422862

Ion Ratio Lower Upper

91 100

106 29.4 20.2 37.4



#53

m,p-Xylene

Concen: 4.818 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU030935.D

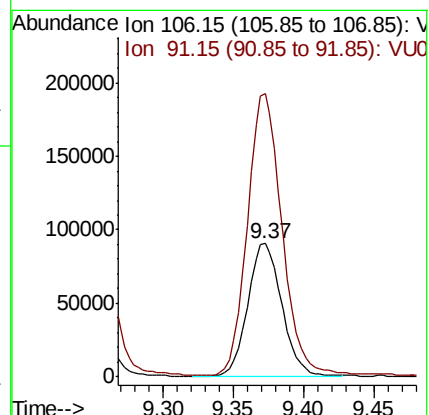
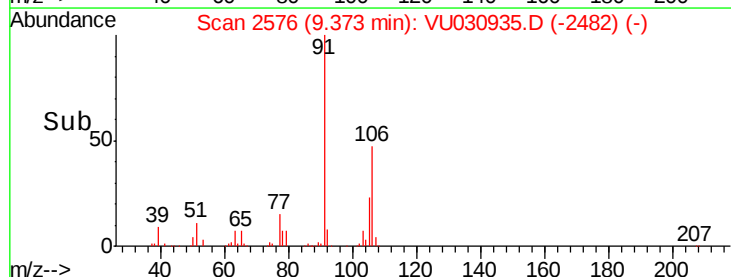
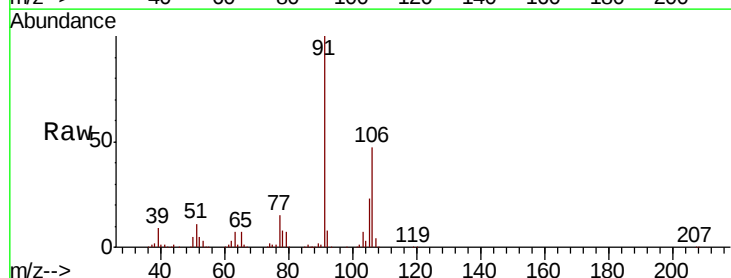
Acq: 09 Apr 2019 04:17

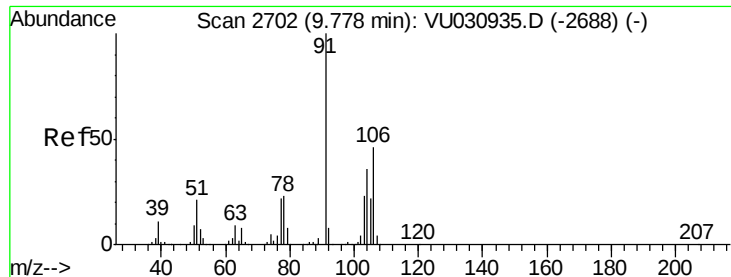
Tgt Ion: 106 Resp: 151993

Ion Ratio Lower Upper

106 100

91 212.2 147.4 273.8

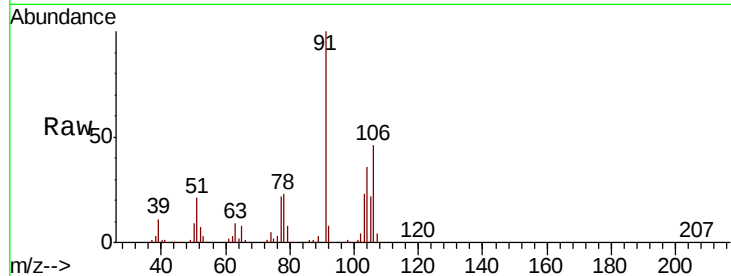




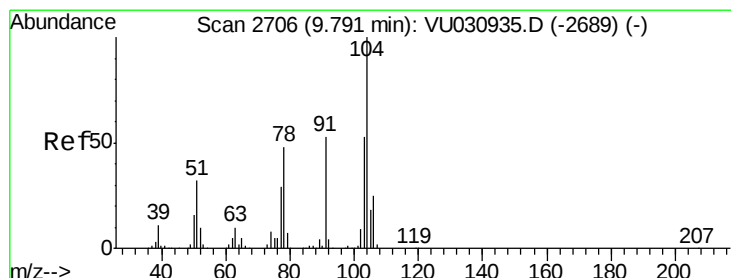
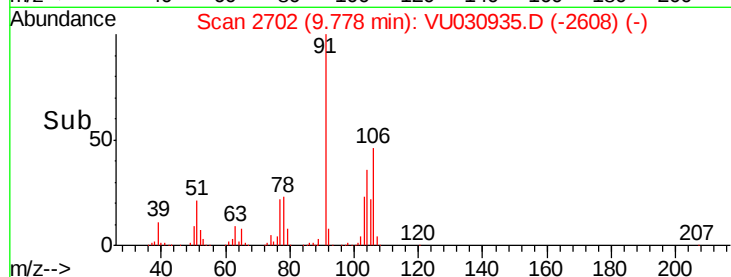
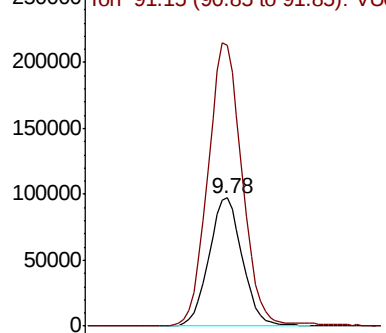
#54
o-Xylene
Concen: 4.901 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU030935.D
Acq: 09 Apr 2019 04:17

Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

Tot Ion:106 Resp: 151586
Ion Ratio Lower Upper
106 100
91 219.3 161.3 299.7

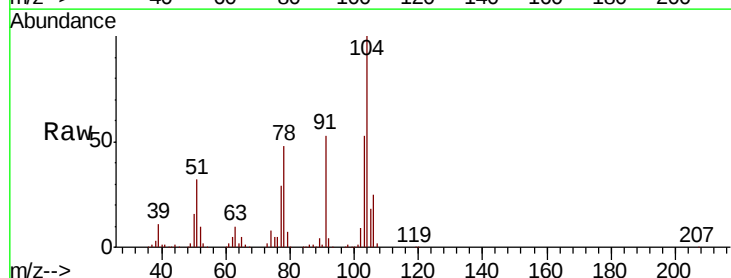


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU

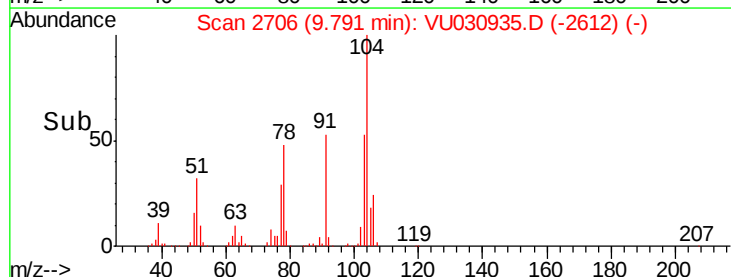
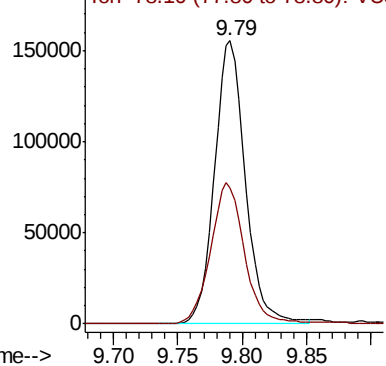


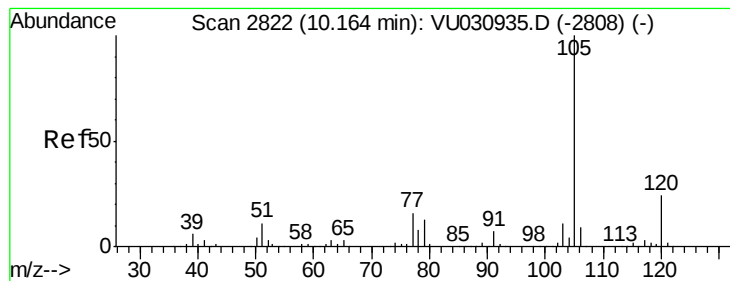
#55
Styrene
Concen: 4.959 ug/L
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU030935.D
Acq: 09 Apr 2019 04:17

Tgt Ion:104 Resp: 258814
Ion Ratio Lower Upper
104 100
78 48.1 34.4 63.8



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





#56

Isopropylbenzene

Concen: 4.757 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU030935.D

Acq: 09 Apr 2019 04:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

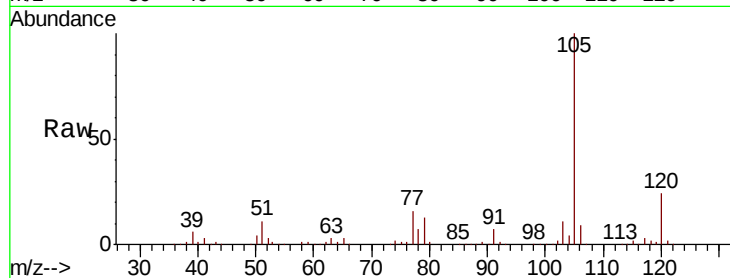
Tot Ion:105 Resp: 393082

Ion Ratio Lower Upper

105 100

120 25.1 20.5 30.7

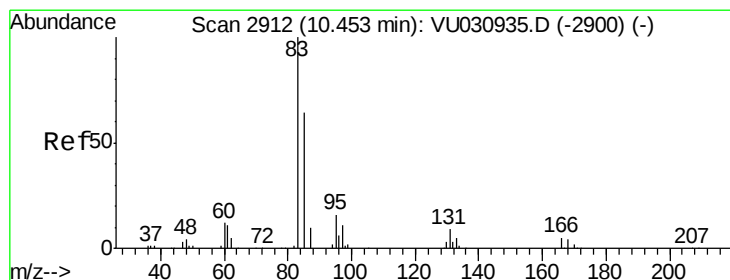
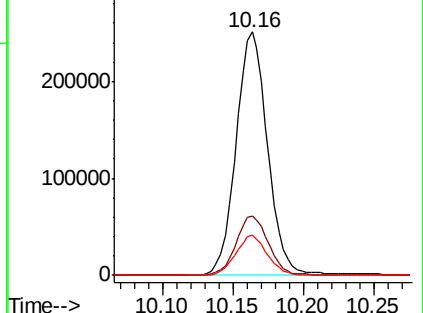
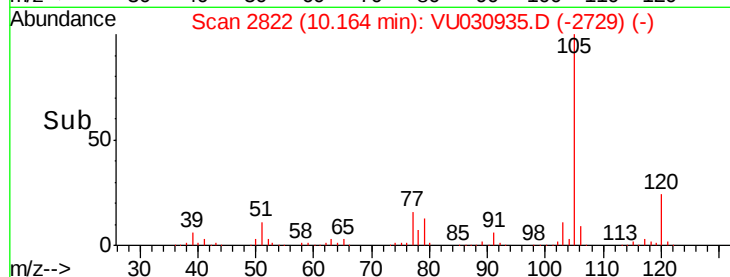
77 16.5 13.8 20.8



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: 5.273 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU030935.D

Acq: 09 Apr 2019 04:17

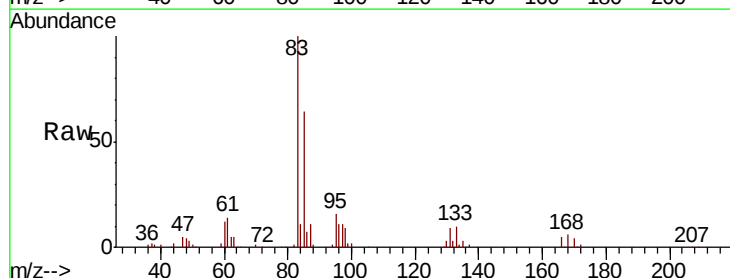
Tgt Ion: 83 Resp: 97119

Ion Ratio Lower Upper

83 100

85 64.2 44.4 82.5

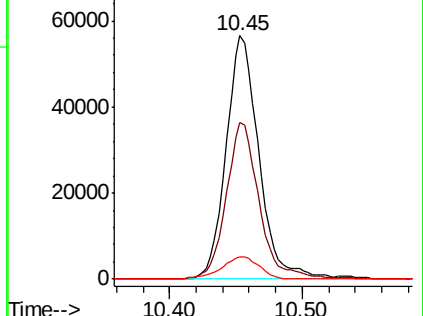
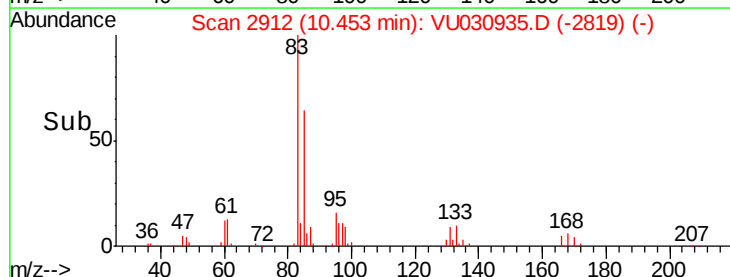
131 9.2 7.4 11.2

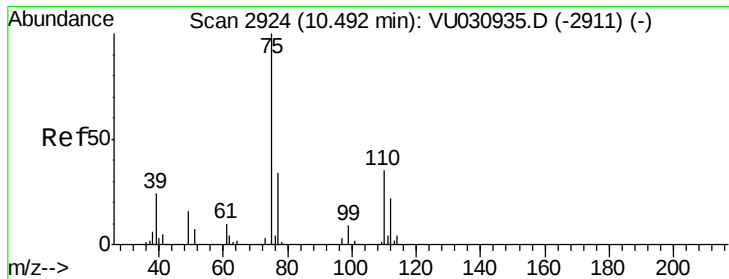


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

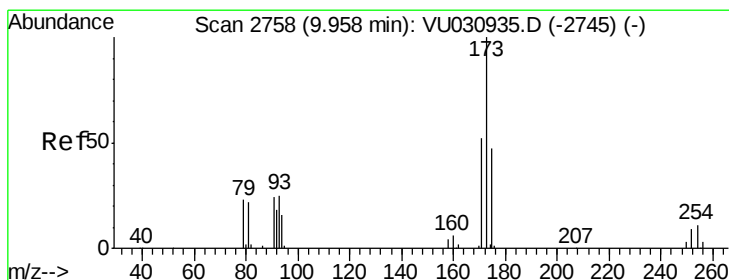
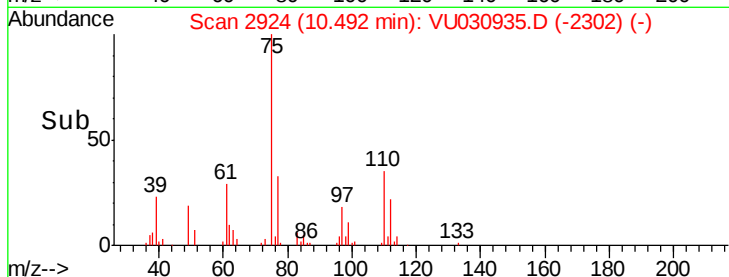
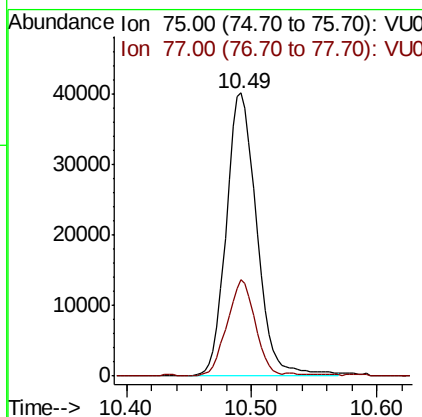
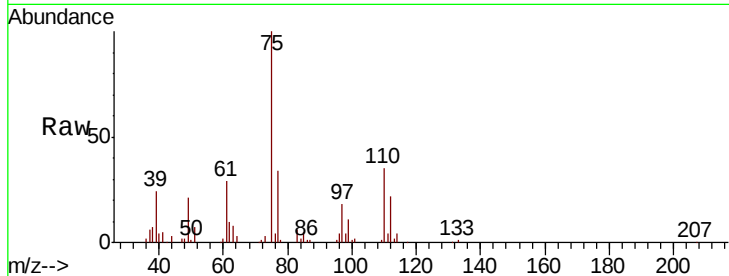




#59
 1,2,3-Trichloropropane
 Concen: 5.268 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. -0.00 min
 Lab File: VU030935.D
 Acq: 09 Apr 2019 04:17

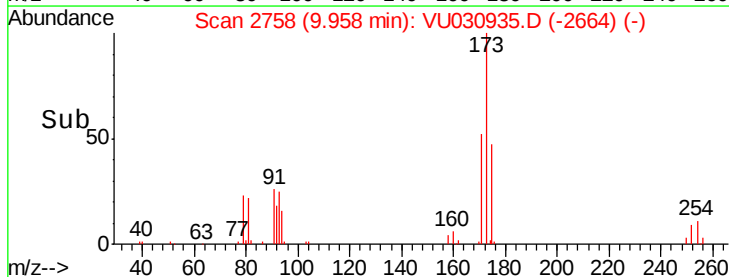
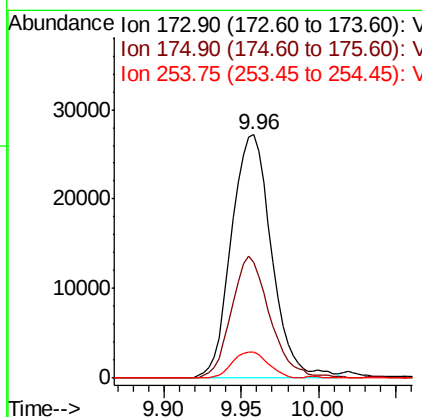
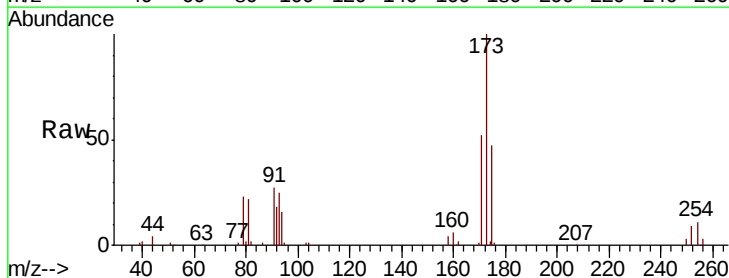
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

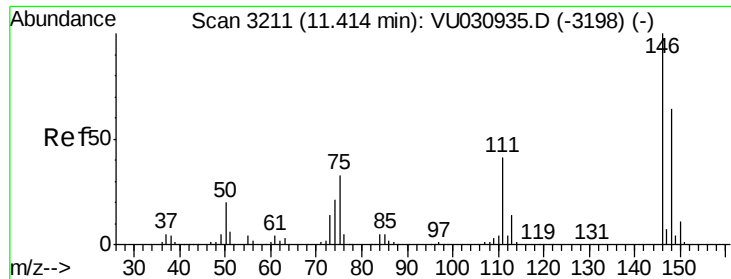
Tot Ion: 75 Resp: 68395
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.6 38.4



#61
 Bromoform
 Concen: 5.692 ug/L
 RT: 9.96 min Scan# 2758
 Delta R.T. 0.00 min
 Lab File: VU030935.D
 Acq: 09 Apr 2019 04:17

Tgt Ion:173 Resp: 49155
 Ion Ratio Lower Upper
 173 100
 175 47.9 38.6 58.0
 254 9.5 7.0 10.4





#62

1,3-Dichlorobenzene

Concen: 4.855 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU030935.D

Acq: 09 Apr 2019 04:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

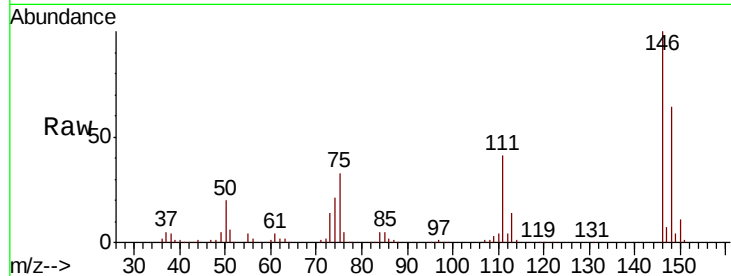
Tot Ion:146 Resp: 174712

Ion Ratio Lower Upper

146 100

111 41.3 28.9 53.7

148 64.1 44.4 82.4

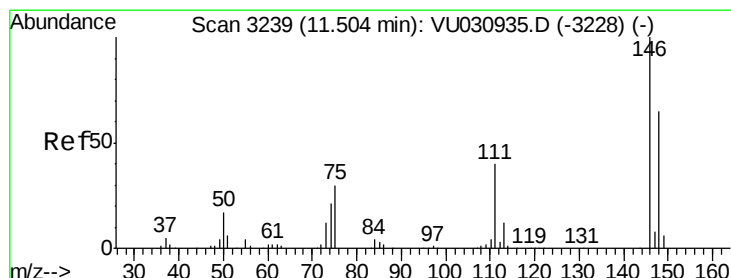
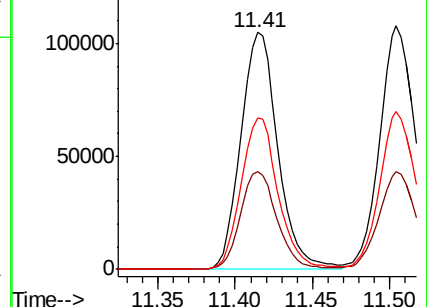
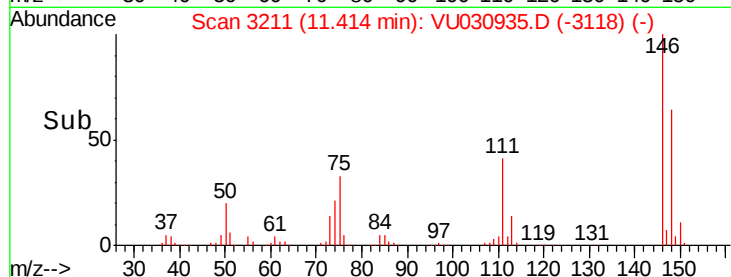


Abundance

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: 4.679 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU030935.D

Acq: 09 Apr 2019 04:17

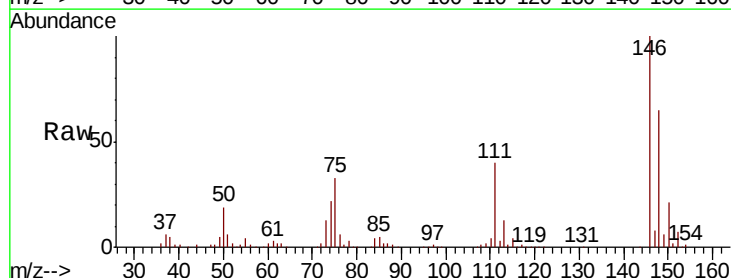
Tgt Ion:146 Resp: 176496

Ion Ratio Lower Upper

146 100

111 40.1 27.9 51.9

148 64.9 45.4 84.4

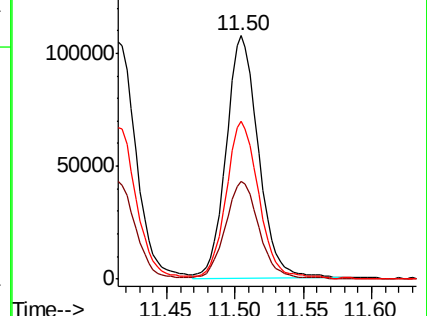
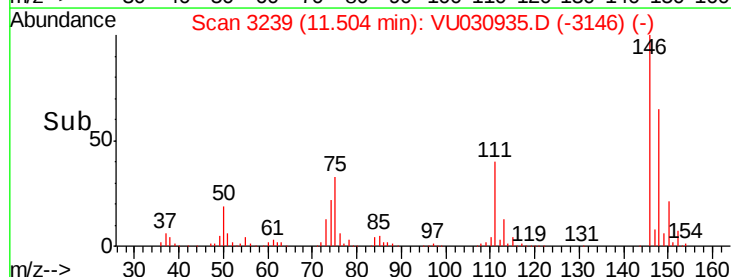


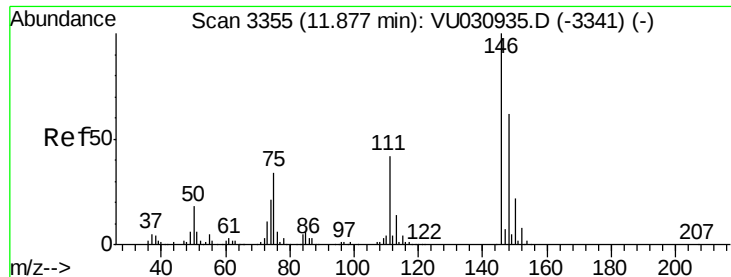
Abundance

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

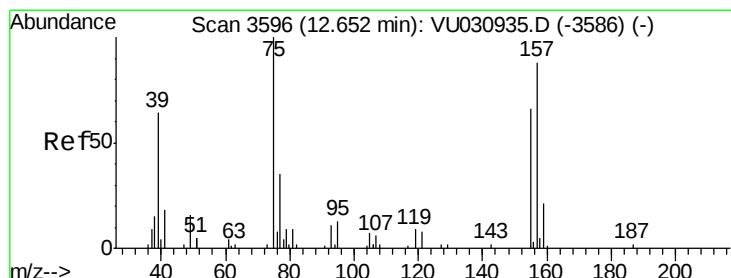
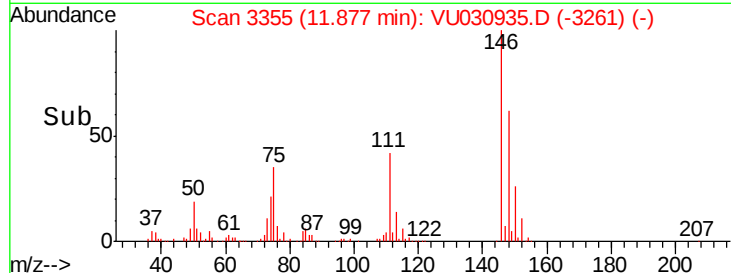
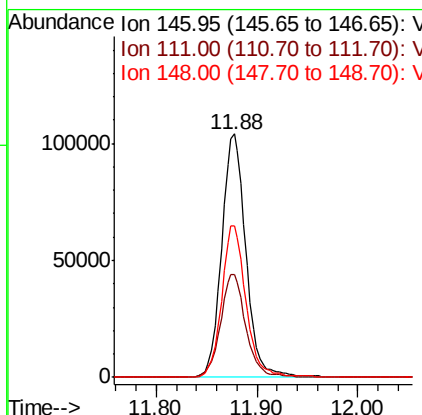
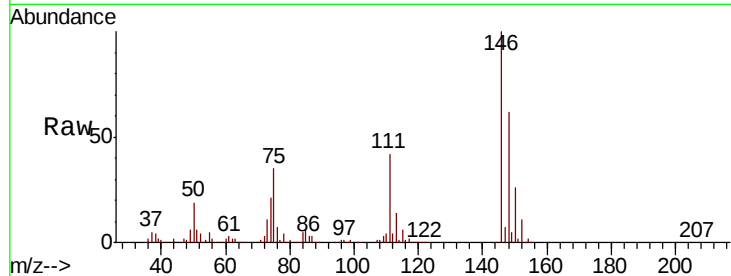




#65
 1,2-Dichlorobenzene
 Concen: 4.994 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030935.D
 Acq: 09 Apr 2019 04:17

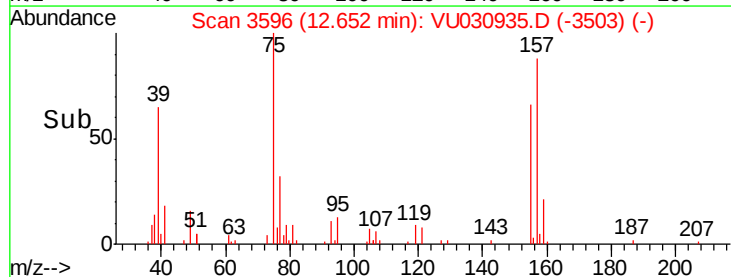
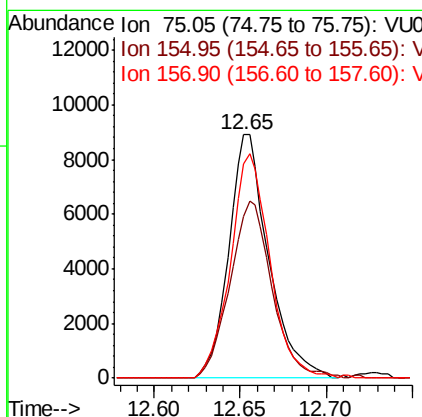
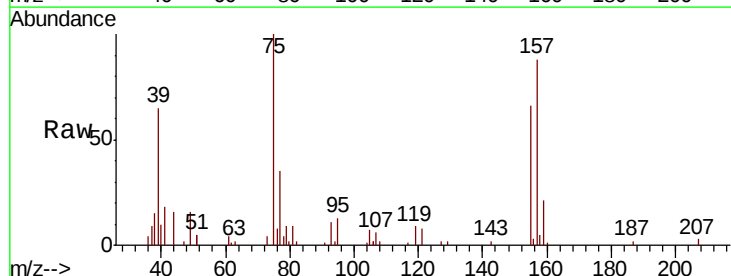
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

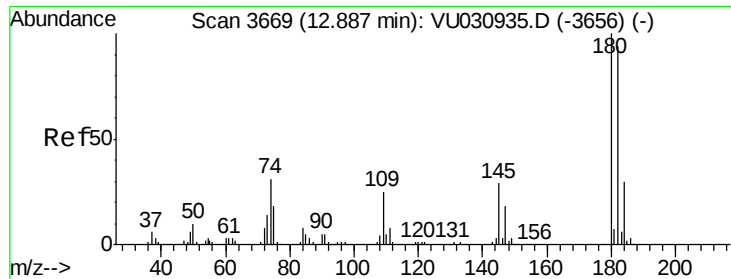
Tot Ion:146 Resp: 174858
 Ion Ratio Lower Upper
 146 100
 111 42.5 37.1 55.7
 148 62.3 51.8 77.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.321 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU030935.D
 Acq: 09 Apr 2019 04:17

Tgt Ion: 75 Resp: 14417
 Ion Ratio Lower Upper
 75 100
 155 66.5 57.7 86.5
 157 87.8 76.9 115.3

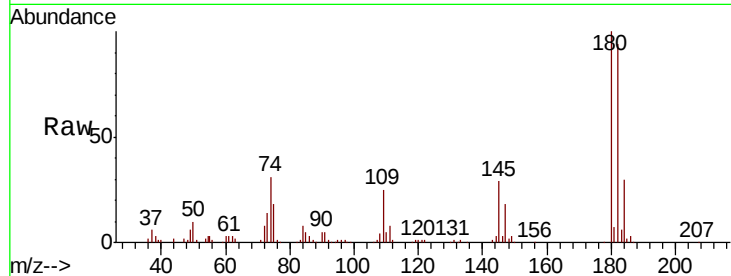




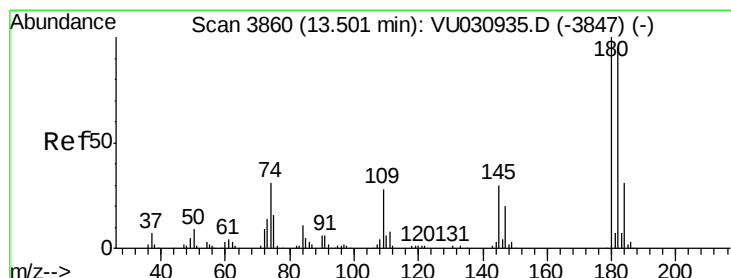
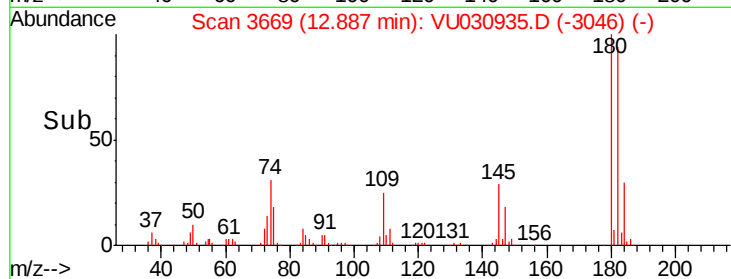
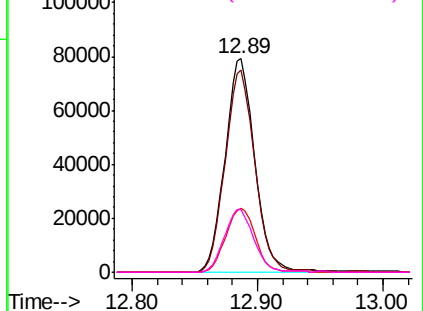
#67
 1,3,5-Trichlorobenzene
 Concen: 4.850 ug/L
 RT: 12.89 min Scan# 3669
 Delta R.T. 0.00 min
 Lab File: VU030935.D
 Acq: 09 Apr 2019 04:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

Tot Ion:180	Resp:	130225
Ion Ratio	Lower	Upper
180	100	
182	94.8	76.2 114.2
184	30.0	24.2 36.2
145	28.9	24.1 36.1

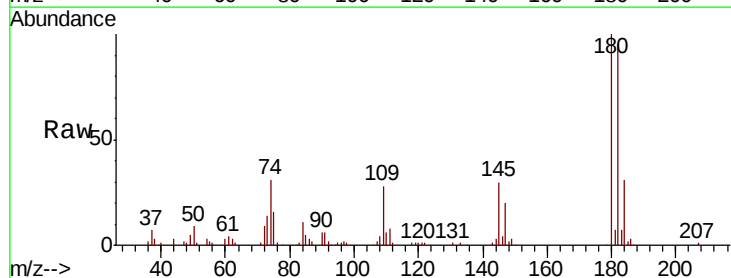


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

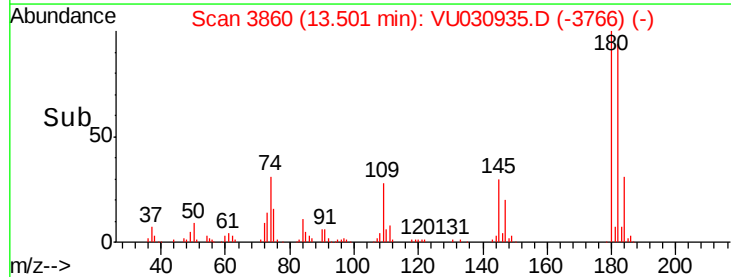
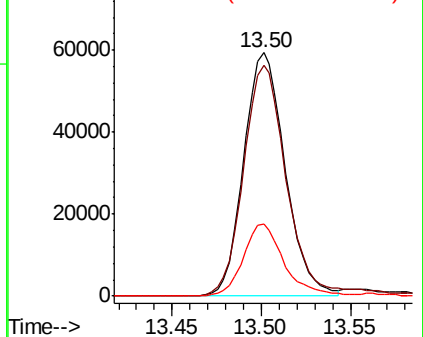


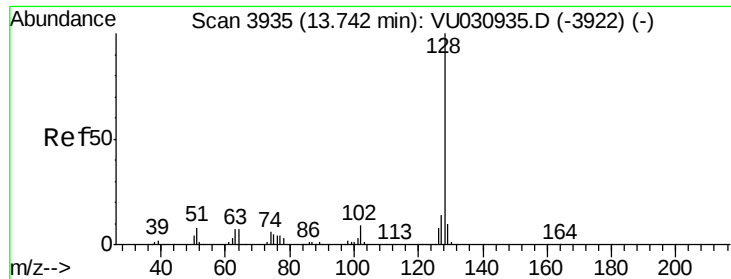
#68
 1,2,4-trichlorobenzene
 Concen: 4.663 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030935.D
 Acq: 09 Apr 2019 04:17

Tgt Ion:180	Resp:	96690
Ion Ratio	Lower	Upper
180	100	
182	99.2	74.6 111.8
145	29.3	23.6 35.4



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: 4.842 ug/L

RT: 13.74 min Scan# 3935

Delta R.T. 0.00 min

Lab File: VU030935.D

Acq: 09 Apr 2019 04:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

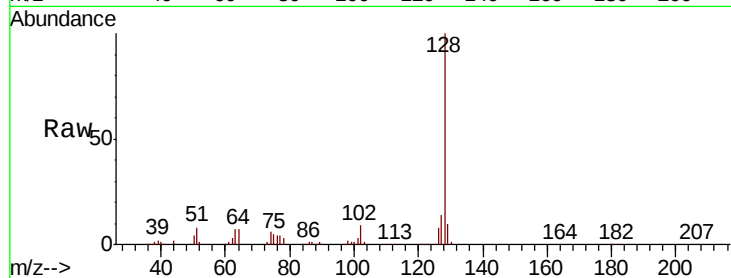
Tot Ion:128 Resp: 161244

Ion Ratio Lower Upper

128 100

129 10.4 8.3 12.5

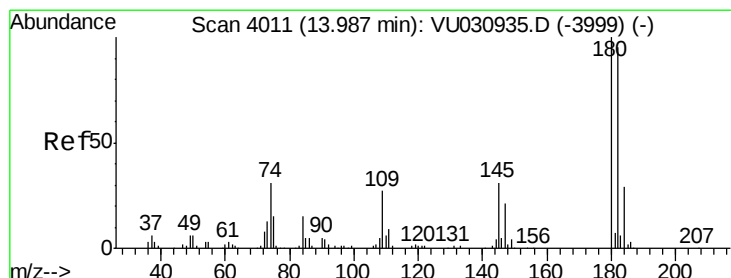
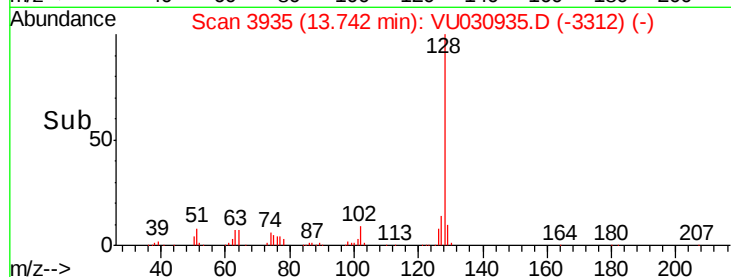
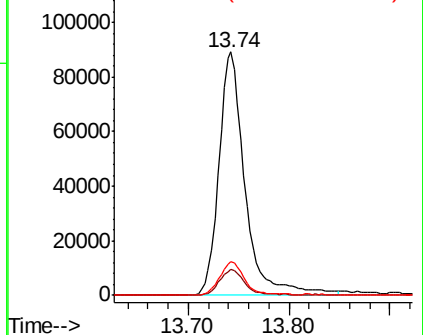
127 13.2 10.5 15.7



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: 5.120 ug/L

RT: 13.99 min Scan# 4011

Delta R.T. 0.00 min

Lab File: VU030935.D

Acq: 09 Apr 2019 04:17

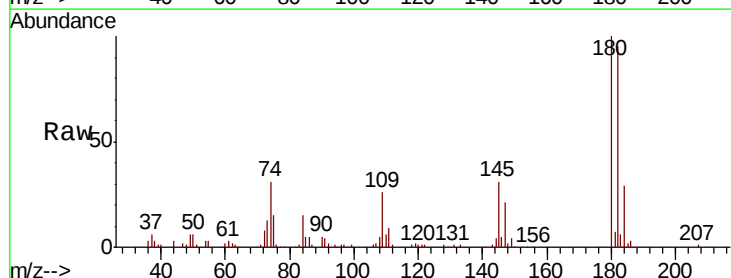
Tgt Ion:180 Resp: 98934

Ion Ratio Lower Upper

180 100

182 97.3 76.8 115.2

145 31.5 26.7 40.1



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

