

Data File : VU031195.D
Acq On : 14 Apr 2019 07:06
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05037

Quant Time: Apr 15 01:44:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 15 01:39:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	404308	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	467871	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	182005	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	197524	54.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	109.46%
7) Chloroethane-d5	1.67	69	176139	64.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	128.60%
11) 1,1-Dichloroethene-d2	2.27	63	409985	62.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	125.62%#
21) 2-Butanone-d5	4.17	46	296788	103.76	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.76%
24) Chloroform-d	4.64	84	297879	54.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.06%
26) 1,2-Dichloroethane-d4	5.30	65	193868	51.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.06%
32) Benzene-d6	5.33	84	572801	41.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.88%
36) 1,2-Dichloropropane-d6	6.32	67	191105	40.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	81.66%
41) Toluene-d8	7.56	98	512027	42.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.58%
43) trans-1,3-Dichloropropene-	7.85	79	83296	39.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.06%
47) 2-Hexanone-d5	8.31	63	181821	84.99	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.99%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	344456	54.56	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.12%
64) 1,2-Dichlorobenzene-d4	11.86	152	192118	53.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.34%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	162615	45.789	ug/L 100
3) Chloromethane	1.32	50	195516	42.562	ug/L 98
5) Vinyl chloride	1.40	62	261649	58.841	ug/L 95
6) Bromomethane	1.61	94	145507	63.159	ug/L 99
8) Chloroethane	1.69	64	160891	63.437	ug/L 100
9) Trichlorofluoromethane	1.88	101	345117	66.608	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	183923	63.530	ug/L 98
12) 1,1-Dichloroethene	2.28	96	183799	65.765	ug/L 96
13) Acetone	2.32	43	265354	90.656	ug/L 99
14) Carbon disulfide	2.47	76	372978	42.960	ug/L 97
15) Methyl Acetate	2.61	43	225095	49.598	ug/L 98
16) Methylene chloride	2.69	84	169312	49.869	ug/L 92
17) trans-1,2-Dichloroethene	2.98	96	144332	48.638	ug/L 96
18) Methyl tert-butyl Ether	2.99	73	511807	51.489	ug/L 99
19) 1,1-Dichloroethane	3.44	63	312538	51.036	ug/L 98
20) cis-1,2-Dichloroethene	4.22	96	168522	51.433	ug/L 93
22) 2-Butanone	4.25	43	321707	93.741	ug/L 92

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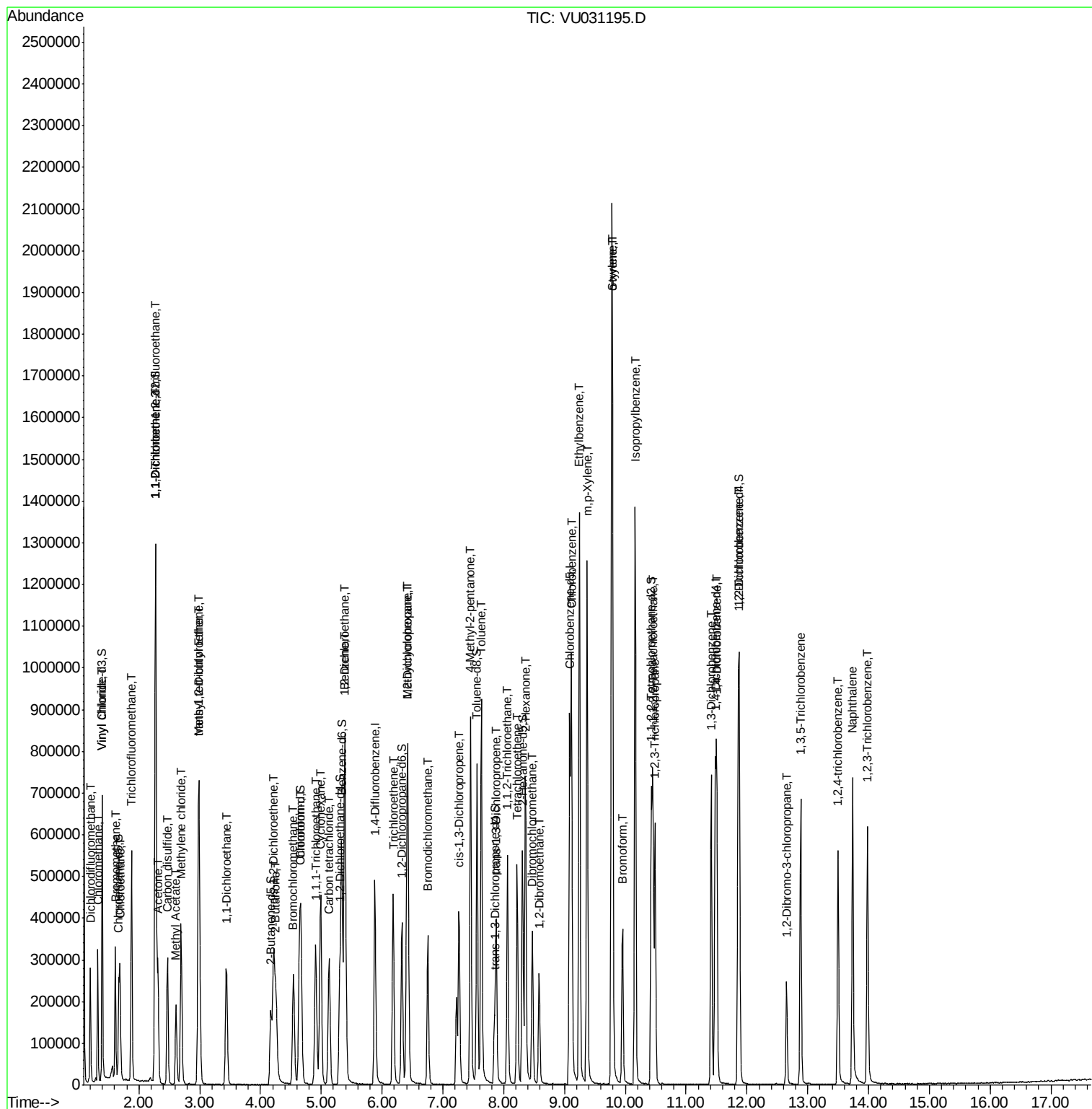
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	89529	57.796	ug/L	86
25) Chloroform	4.67	83	319637	51.932	ug/L	99
27) 1,2-Dichloroethane	5.40	62	250923	53.414	ug/L	98
29) Cyclohexane	4.99	56	245655	36.838	ug/L	92
30) 1,1,1-Trichloroethane	4.91	97	263900	46.283	ug/L	98
31) Carbon tetrachloride	5.13	117	228281	46.459	ug/L	100
33) Benzene	5.38	78	659790	43.093	ug/L	100
34) Trichloroethene	6.18	95	162018	43.145	ug/L	94
35) Methylcyclohexane	6.41	83	219962	37.955	ug/L	96
37) 1,2-Dichloropropane	6.43	63	182120	42.008	ug/L	100
38) Bromodichloromethane	6.75	83	237417	45.394	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	250772	40.639	ug/L	98
40) 4-Methyl-2-pentanone	7.45	43	590406	84.686	ug/L	97
42) Toluene	7.63	91	697980	44.660	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	227764	41.883	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	172368	46.879	ug/L	95
46) Tetrachloroethene	8.22	164	118491	43.401	ug/L	95
48) 2-Hexanone	8.36	43	471705	86.723	ug/L	98
49) Dibromochloromethane	8.47	129	187976	48.180	ug/L	96
50) 1,2-Dibromoethane	8.58	107	182475	45.863	ug/L	100
51) Chlorobenzene	9.12	112	528189	55.103	ug/L	98
52) Ethylbenzene	9.24	91	962170	56.479	ug/L	99
53) m,p-Xylene	9.37	106	343737	57.854	ug/L	99
54) o-xylene	9.77	106	346867	58.692	ug/L	98
55) Styrene	9.79	104	608609	60.038	ug/L	97
56) Isopropylbenzene	10.16	105	889701	57.179	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	365186	54.910	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	262564	50.567	ug/L	99
61) Bromoform	9.95	173	167934	69.845	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	298320	51.861	ug/L	97
63) 1,4-Dichlorobenzene	11.50	146	297719	50.883	ug/L	97
65) 1,2-Dichlorobenzene	11.87	146	325349	56.386	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	66086	53.877	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	218799	52.047	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	178945	50.065	ug/L	99
69) Naphthalene	13.74	128	600803	51.851	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	200690	53.741	ug/L	98

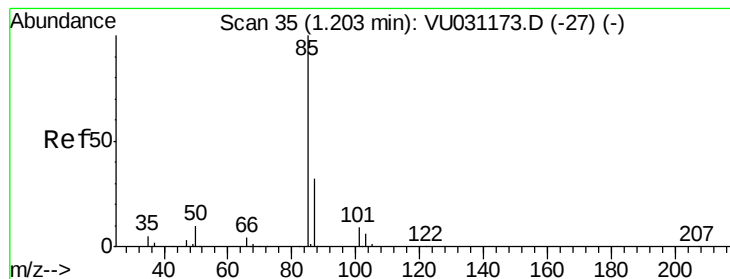
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 45.789 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU031195.D

Acq: 14 Apr 2019 07:06

Instrument :

MSVOA_U

ClientSampleId :

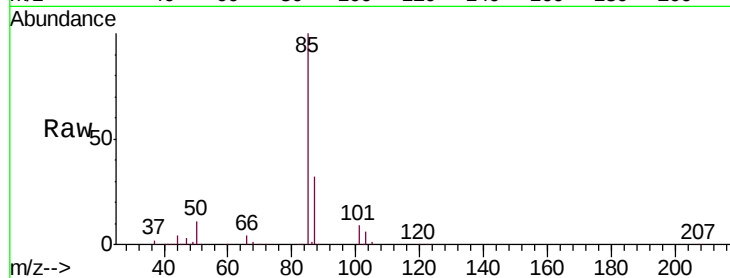
VSTD05037

Tgt Ion: 85 Resp: 162615

Ion Ratio Lower Upper

85 100

87 32.0 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU031173.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU031173.D (-27) (-)

1.20

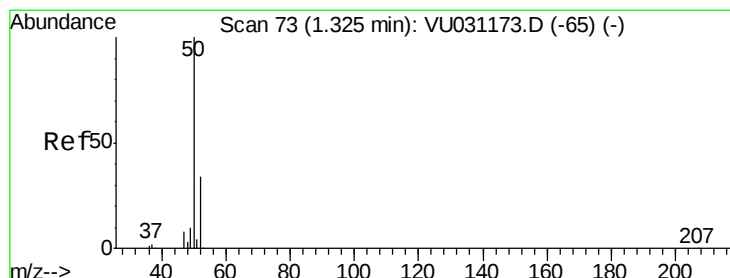
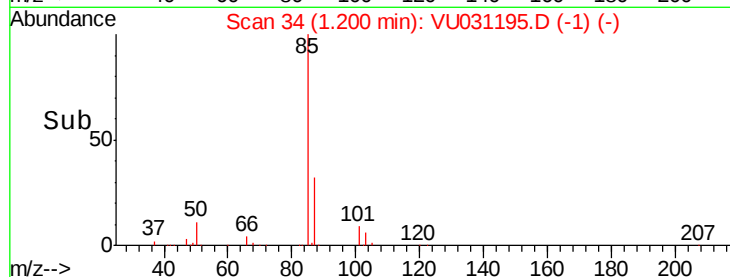
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 42.562 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU031195.D

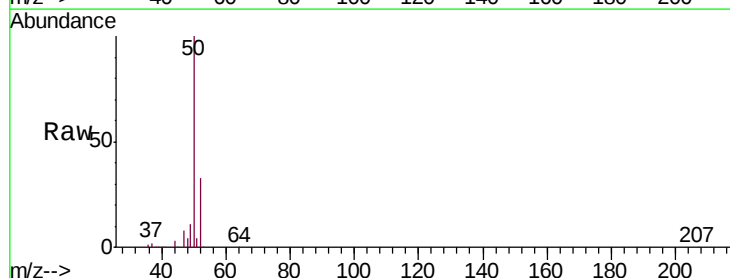
Acq: 14 Apr 2019 07:06

Tgt Ion: 50 Resp: 195516

Ion Ratio Lower Upper

50 100

52 33.3 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VU031173.D (-65) (-)

Ion 52.00 (51.70 to 52.70): VU031173.D (-65) (-)

1.32

200000

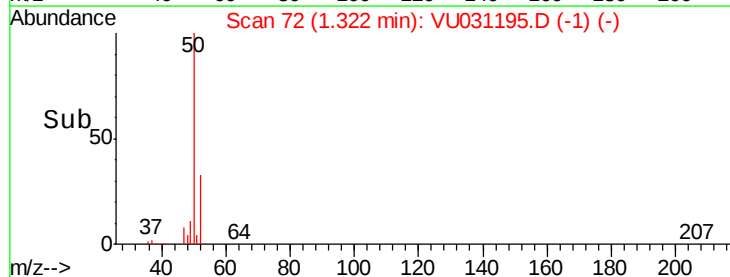
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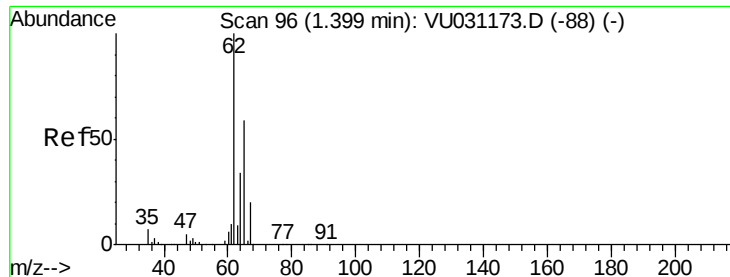
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50000

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Time-->





#5

Vinyl chloride

Concen: 58.841 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031195.D

Acq: 14 Apr 2019 07:06

Instrument :

MSVOA_U

ClientSampleId :

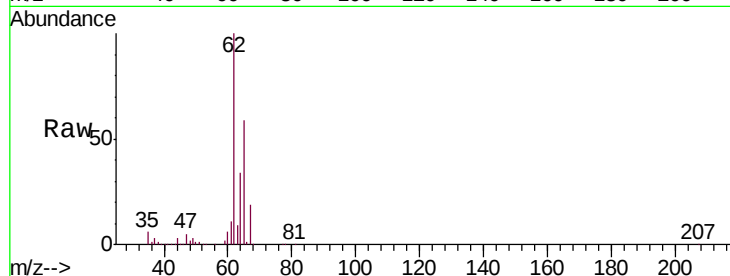
VSTD05037

Tgt Ion: 62 Resp: 261649

Ion Ratio Lower Upper

62 100

64 33.6 21.5 39.9



Abundance Ion 62.00 (61.70 to 62.70): VU031195.D (-3) (-)

Ion 64.00 (63.70 to 64.70): VU031195.D (-3) (-)

1.40

250000

200000

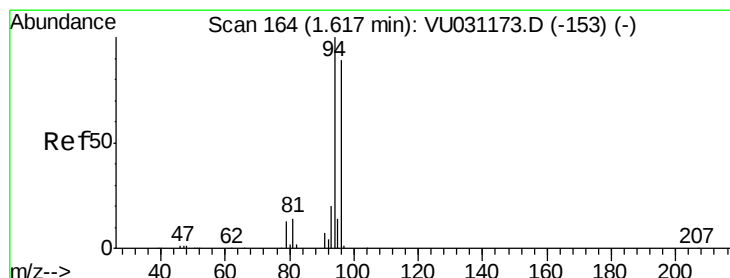
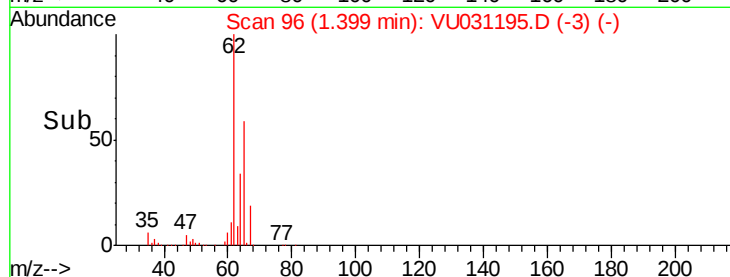
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 63.159 ug/L

RT: 1.61 min Scan# 162

Delta R.T. -0.01 min

Lab File: VU031195.D

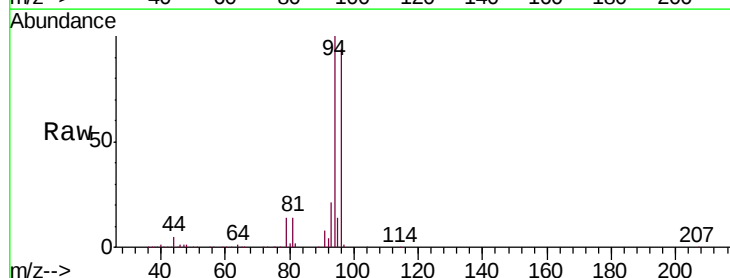
Acq: 14 Apr 2019 07:06

Tgt Ion: 94 Resp: 145507

Ion Ratio Lower Upper

94 100

96 94.1 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VU031195.D (-71) (-)

Ion 96.00 (95.70 to 96.70): VU031195.D (-71) (-)

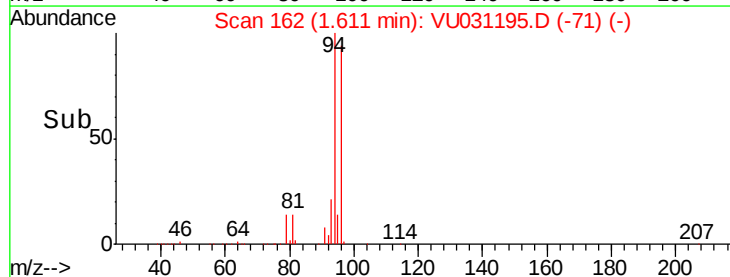
1.61

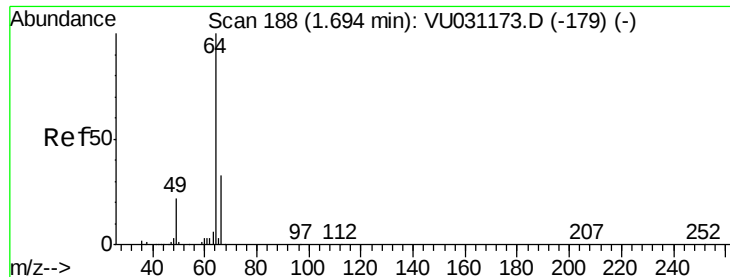
100000

50000

0

Time-->

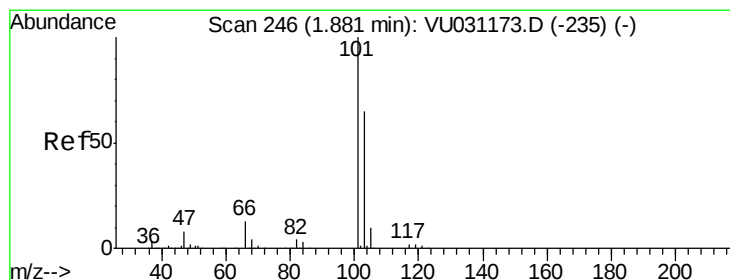
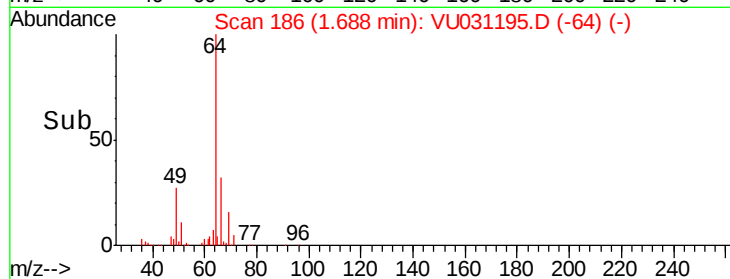
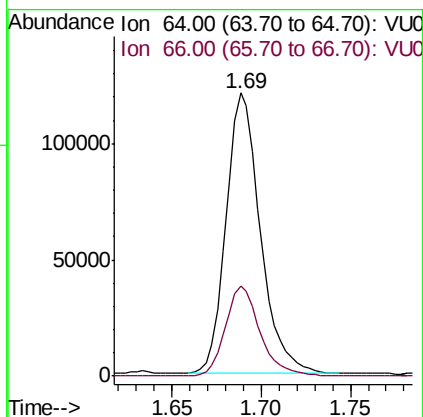
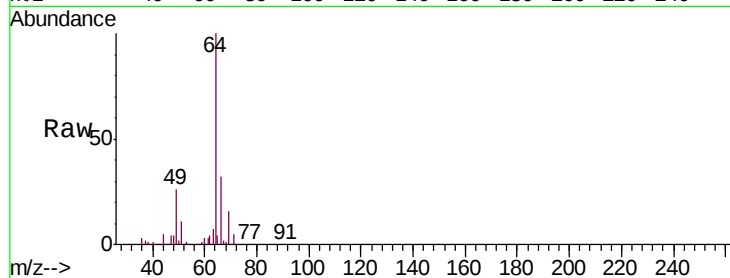




#8
Chloroethane
Concen: 63.437 ug/L
RT: 1.69 min Scan# 186
Delta R.T. -0.01 min
Lab File: VU031195.D
Acq: 14 Apr 2019 07:06

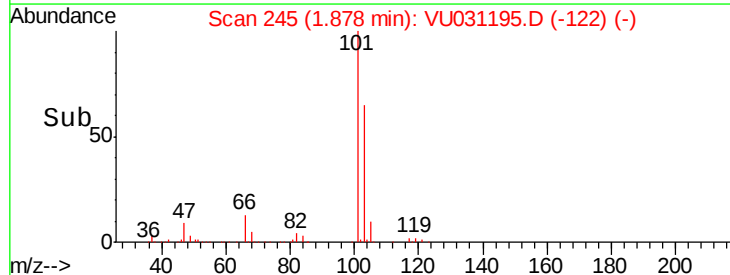
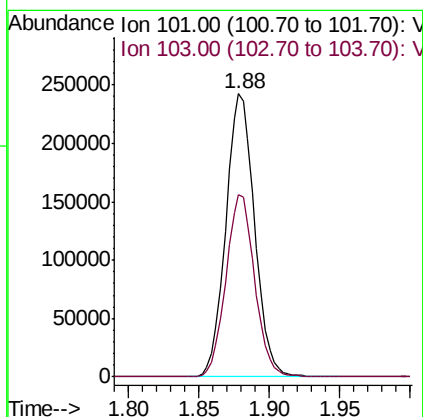
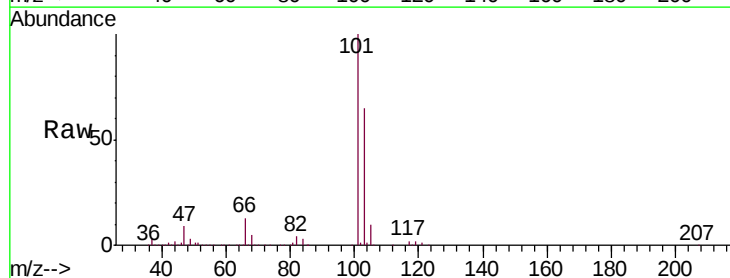
Instrument :
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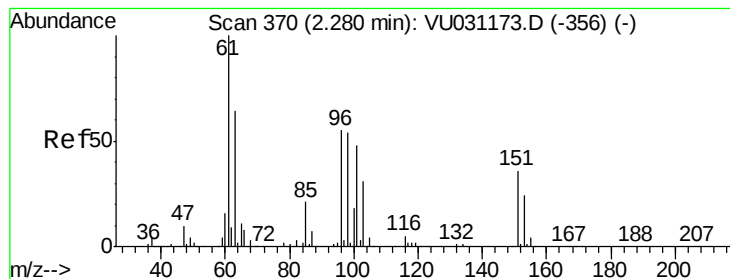
Tgt Ion: 64 Resp: 160891
Ion Ratio Lower Upper
64 100
66 31.9 22.4 41.6



#9
Trichlorofluoromethane
Concen: 66.608 ug/L
RT: 1.88 min Scan# 245
Delta R.T. -0.00 min
Lab File: VU031195.D
Acq: 14 Apr 2019 07:06

Tgt Ion: 101 Resp: 345117
Ion Ratio Lower Upper
101 100
103 64.4 51.8 77.8





#10

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

Concen: 63.530 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU031195.D

Acq: 14 Apr 2019 07:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD05037

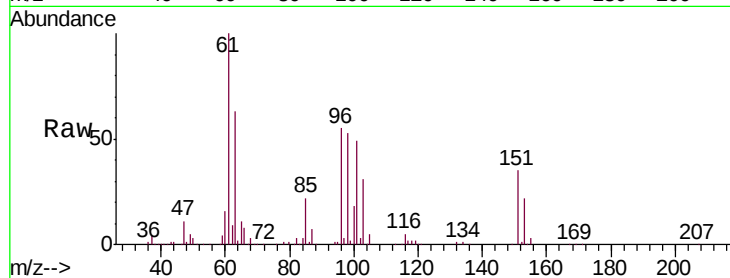
Tgt Ion: 101 Resp: 183923

Ion Ratio Lower Upper

101 100

85 43.8 36.8 55.2

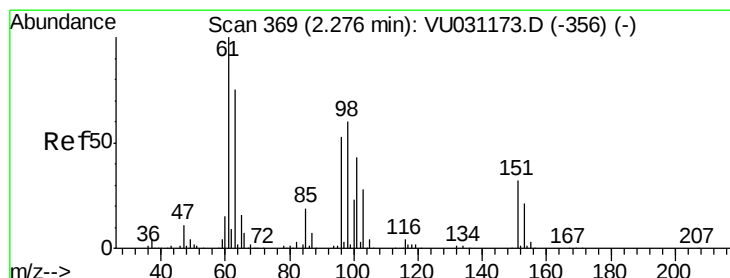
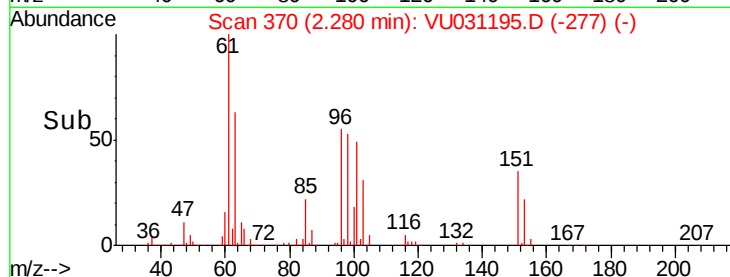
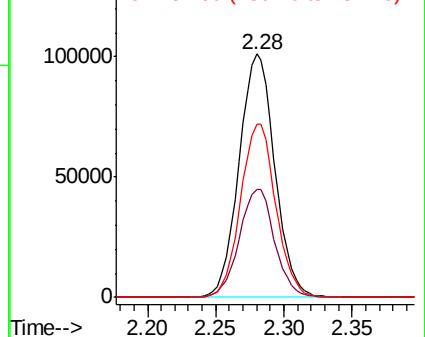
151 70.2 57.4 86.0



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: 65.765 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU031195.D

Acq: 14 Apr 2019 07:06

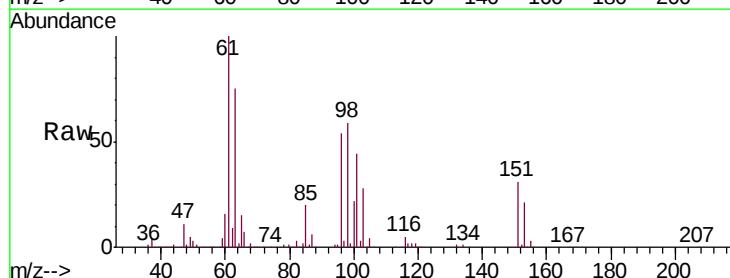
Tgt Ion: 96 Resp: 183799

Ion Ratio Lower Upper

96 100

61 186.3 132.0 245.2

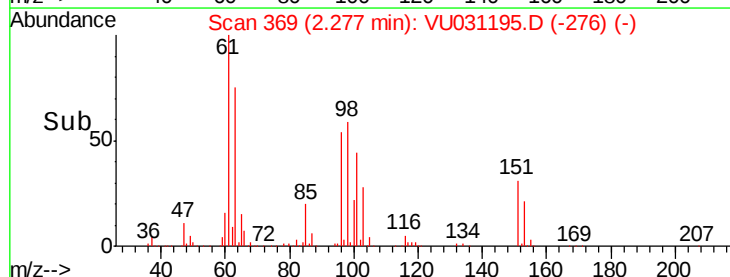
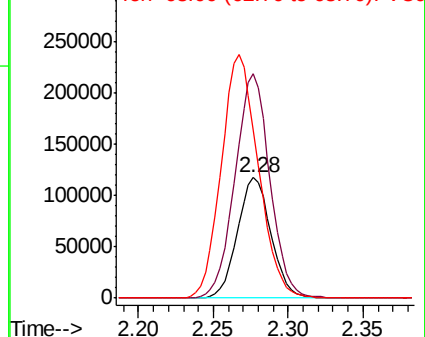
63 140.0 90.9 168.9

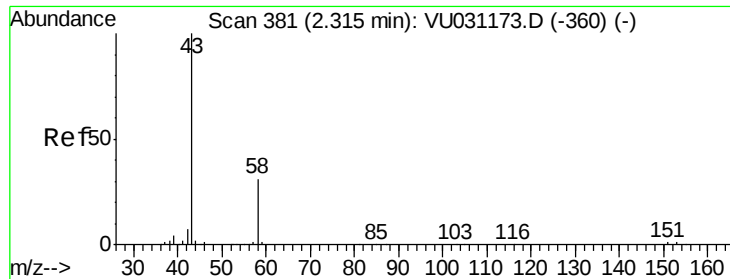


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 90.656 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

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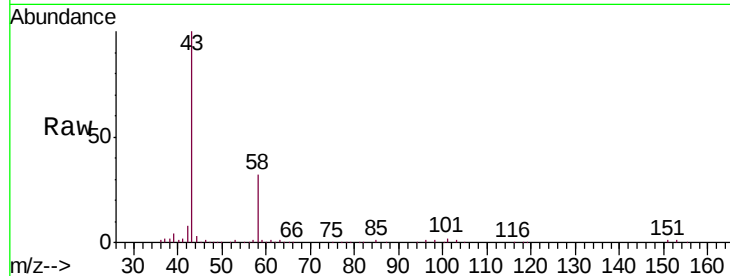
VSTD05037

Tgt Ion: 43 Resp: 265354

Ion Ratio Lower Upper

43 100

58 32.3 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU031173.D (-360) (-)

Ion 58.00 (57.70 to 58.70): VU031173.D (-360) (-)

2.32

150000

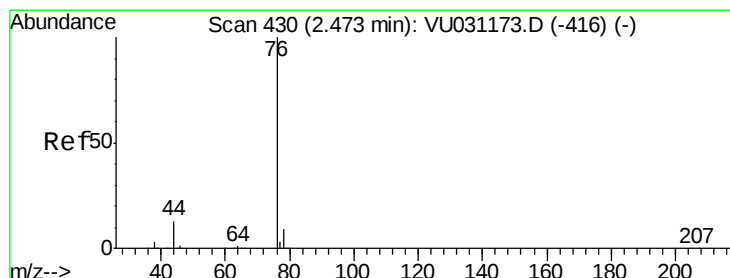
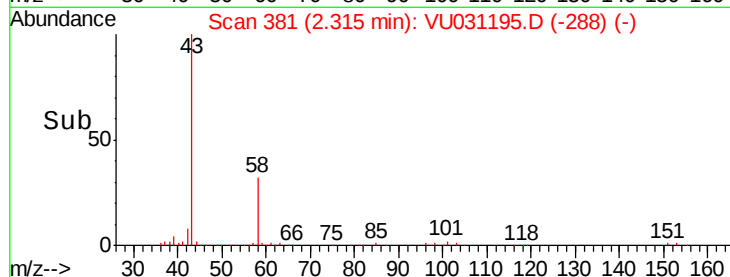
100000

50000

0

Time-->

2.20 2.25 2.30 2.35 2.40



#14

Carbon disulfide

Concen: 42.960 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VU031195.D

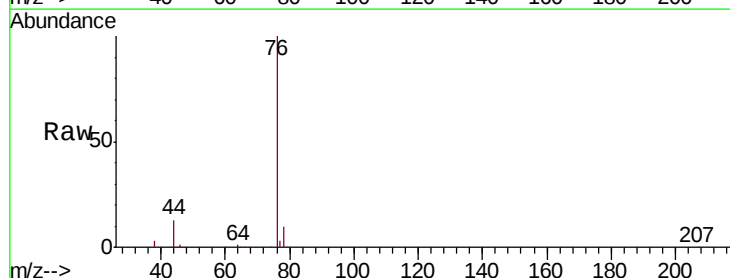
Acq: 14 Apr 2019 07:06

Tgt Ion: 76 Resp: 372978

Ion Ratio Lower Upper

76 100

78 9.7 7.0 10.4



Abundance Ion 76.00 (75.70 to 76.70): VU031173.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU031173.D (-416) (-)

2.47

250000

200000

150000

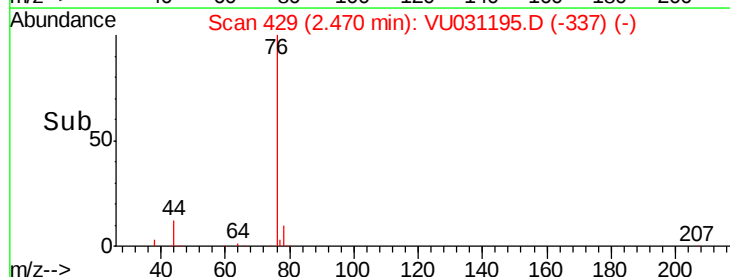
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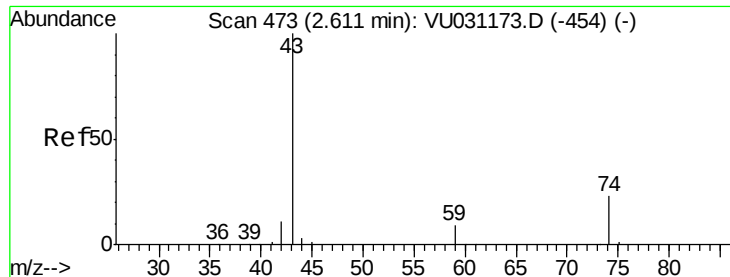
50000

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Time-->

2.40 2.45 2.50 2.55

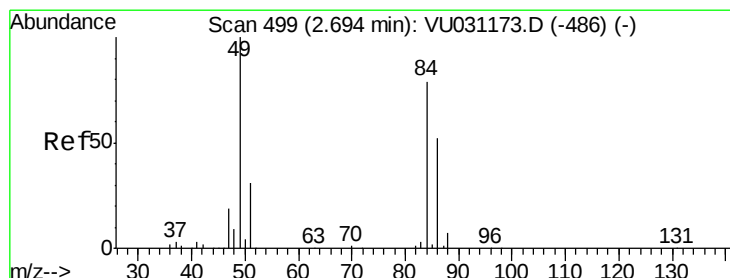
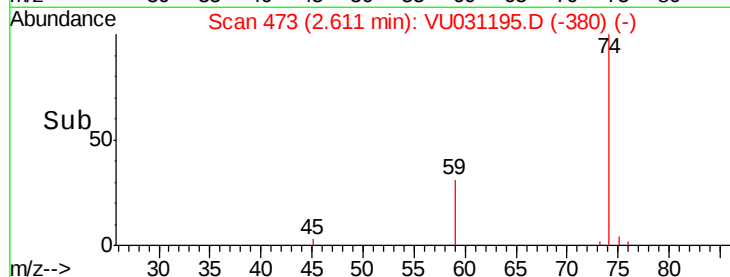
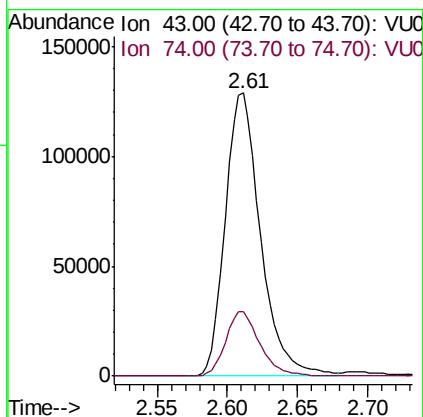
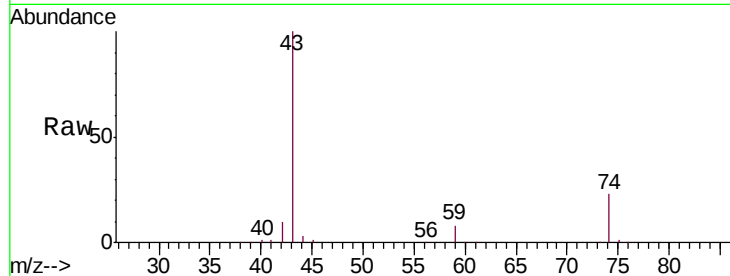




#15
Methyl Acetate
Concen: 49.598 ug/L
RT: 2.61 min Scan# 473
Delta R.T. 0.00 min
Lab File: VU031195.D
Acq: 14 Apr 2019 07:06

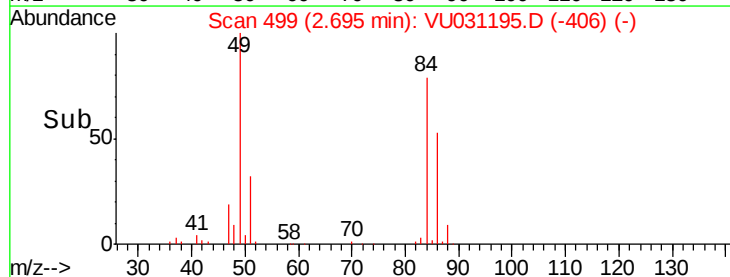
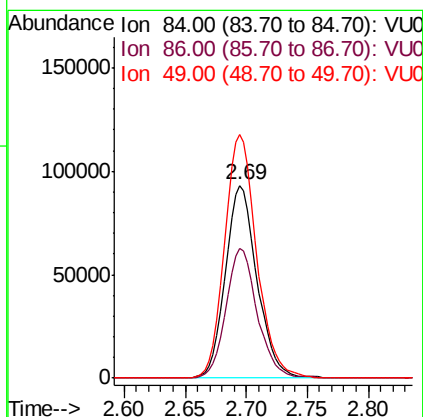
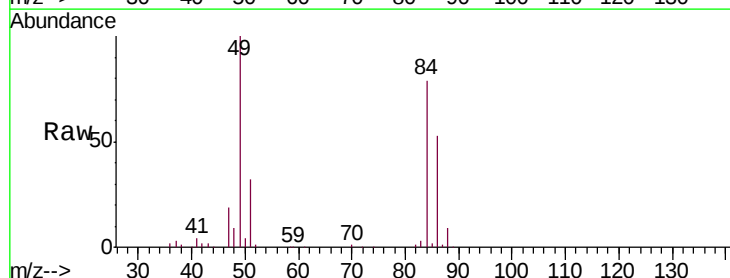
Instrument :
MSVOA_U
ClientSampled :
VSTD05037

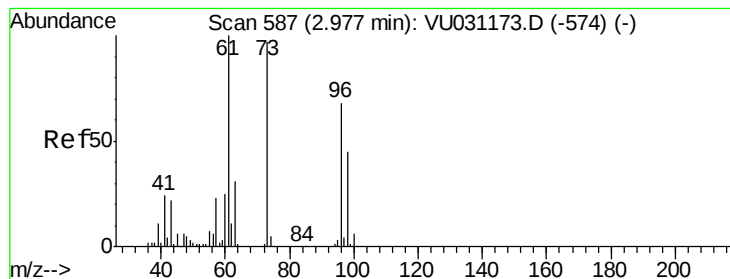
Tgt Ion: 43 Resp: 225095
Ion Ratio Lower Upper
43 100
74 22.1 17.1 25.7



#16
Methylene chloride
Concen: 49.869 ug/L
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU031195.D
Acq: 14 Apr 2019 07:06

Tgt Ion: 84 Resp: 169312
Ion Ratio Lower Upper
84 100
86 67.4 45.1 83.7
49 126.4 96.5 179.1





#17

trans-1,2-Dichloroethene

Concen: 48.638 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU031195.D

Acq: 14 Apr 2019 07:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD05037

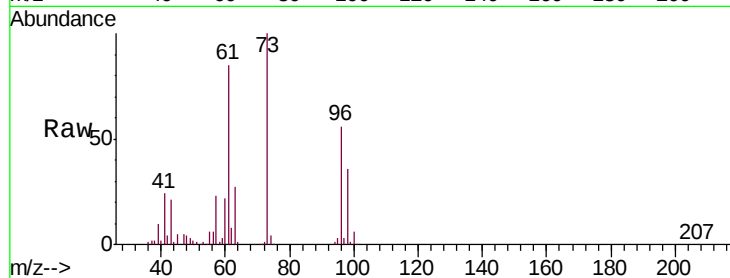
Tgt Ion: 96 Resp: 144332

Ion Ratio Lower Upper

96 100

61 151.0 109.5 203.3

98 64.3 44.0 81.6

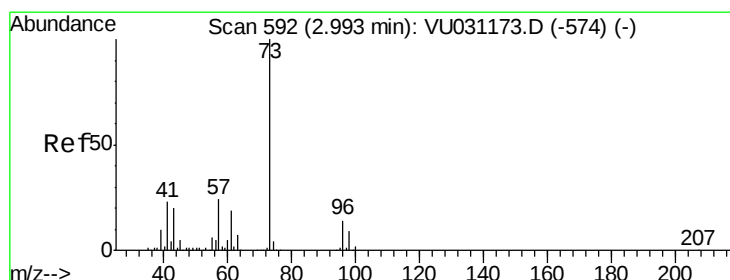
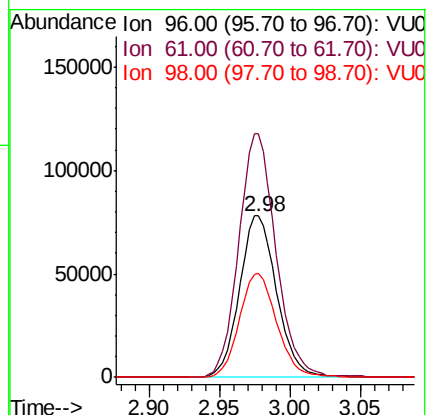
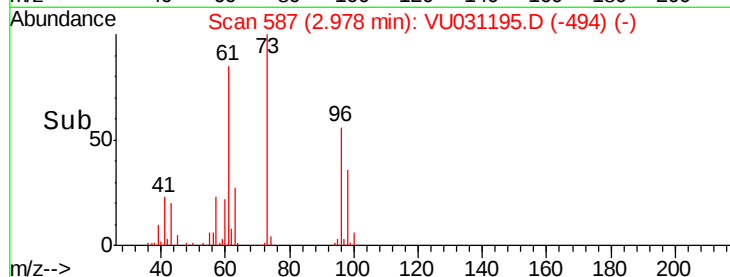


Abundance Ion 96.00 (95.70 to 96.70): VU031173.D (-574) (-)

Ion 61.00 (60.70 to 61.70): VU031173.D (-574) (-)

Ion 98.00 (97.70 to 98.70): VU031173.D (-574) (-)

Time-->



#18

Methyl tert-butyl Ether

Concen: 51.489 ug/L

RT: 2.99 min Scan# 592

Delta R.T. 0.00 min

Lab File: VU031195.D

Acq: 14 Apr 2019 07:06

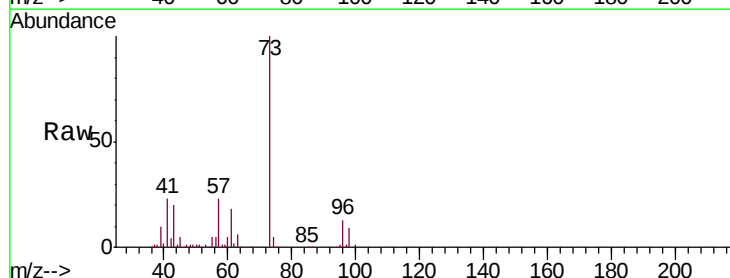
Tgt Ion: 73 Resp: 511807

Ion Ratio Lower Upper

73 100

43 19.8 16.4 24.6

57 23.3 19.0 28.4

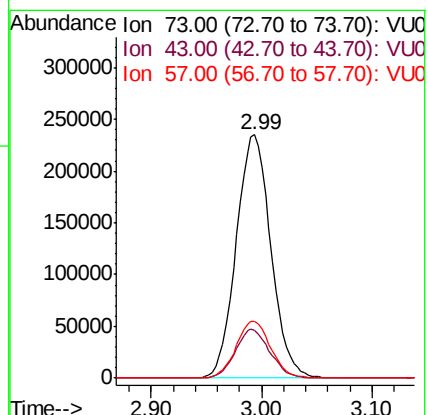
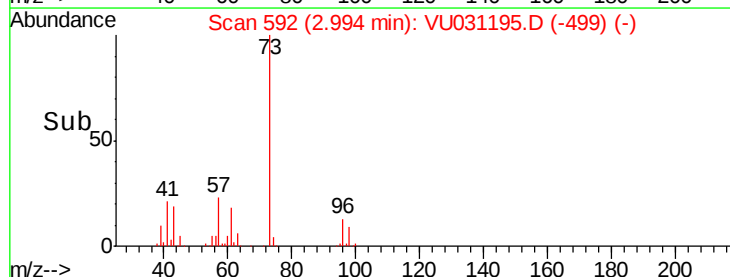


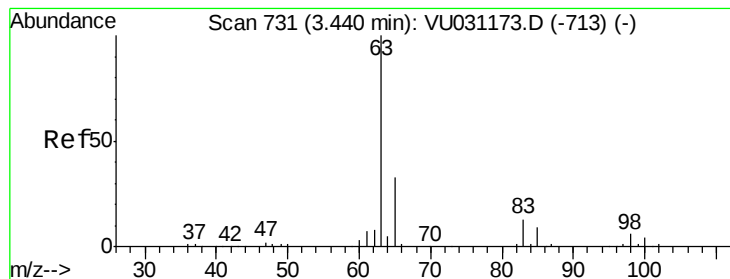
Abundance Ion 73.00 (72.70 to 73.70): VU031173.D (-574) (-)

Ion 43.00 (42.70 to 43.70): VU031173.D (-574) (-)

Ion 57.00 (56.70 to 57.70): VU031173.D (-574) (-)

Time-->





#19

1,1-Dichloroethane

Concen: 51.036 ug/L

RT: 3.44 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU031195.D

Acq: 14 Apr 2019 07:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD05037

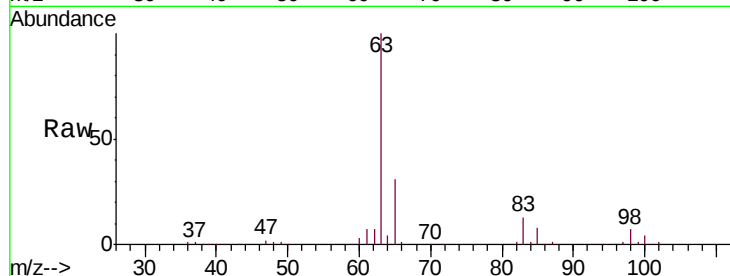
Tgt Ion: 63 Resp: 312538

Ion Ratio Lower Upper

63 100

65 31.4 21.4 39.8

83 12.9 8.5 15.7

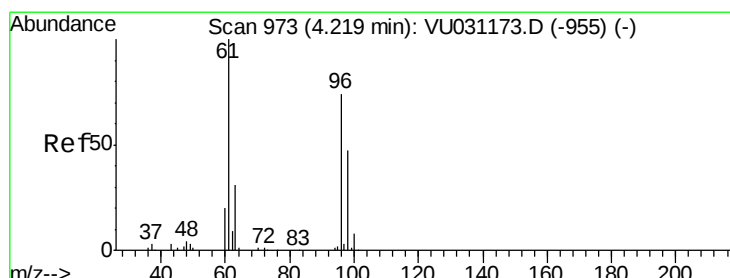
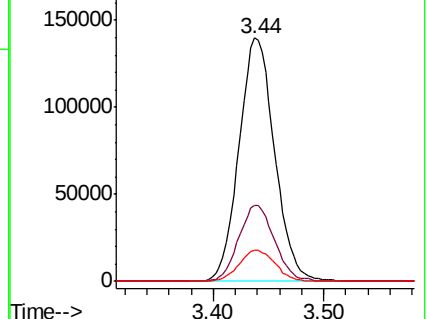
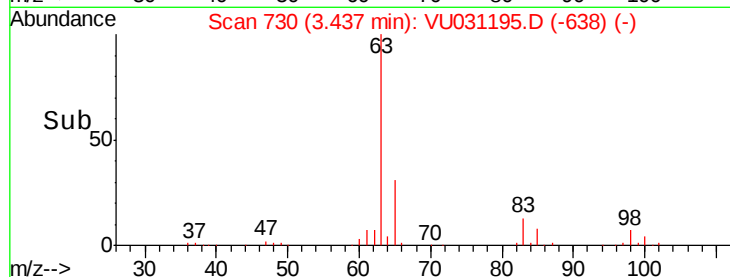


Abundance Ion 63.00 (62.70 to 63.70): VU031173.D (-713) (-)

Ion 65.00 (64.70 to 65.70): VU031173.D (-713) (-)

Ion 83.00 (82.70 to 83.70): VU031173.D (-713) (-)

Time-->



#20

cis-1,2-Dichloroethene

Concen: 51.433 ug/L

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU031195.D

Acq: 14 Apr 2019 07:06

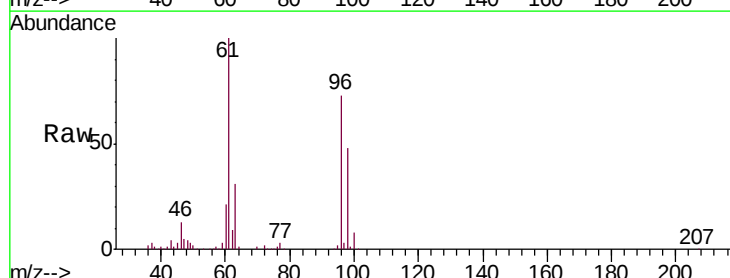
Tgt Ion: 96 Resp: 168522

Ion Ratio Lower Upper

96 100

61 137.6 102.9 191.1

68 0.0 0.0 0.0

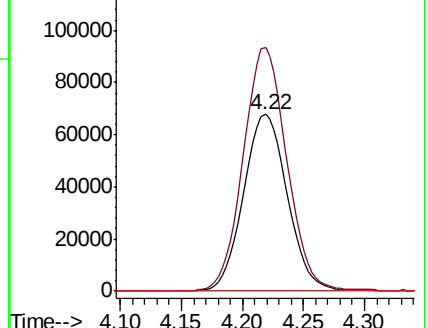
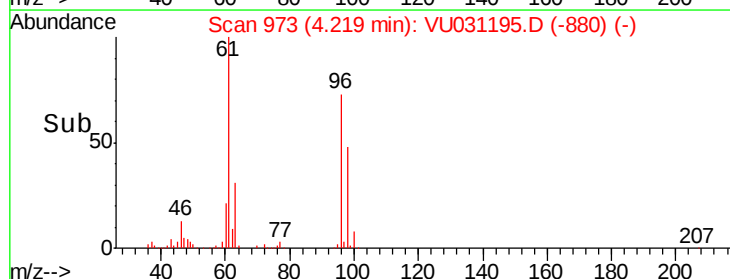


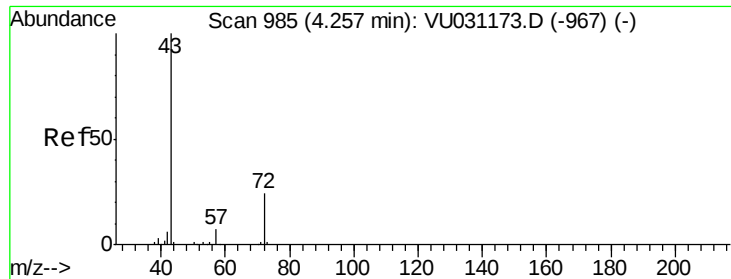
Abundance Ion 96.00 (95.70 to 96.70): VU031173.D (-955) (-)

Ion 61.00 (60.70 to 61.70): VU031173.D (-955) (-)

Ion 68.00 (67.70 to 68.70): VU031173.D (-955) (-)

Time-->





#22

2-Butanone

Concen: 93.741 ug/L

RT: 4.25 min Scan# 984

Delta R.T. -0.00 min

Lab File: VU031195.D

Acq: 14 Apr 2019 07:06

Instrument :

MSVOA_U

ClientSampled :

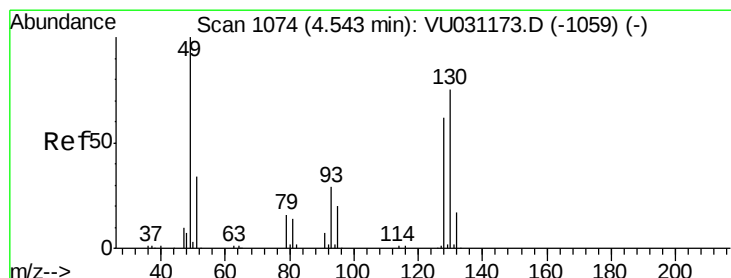
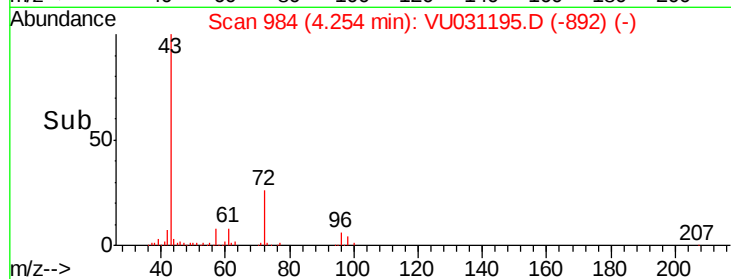
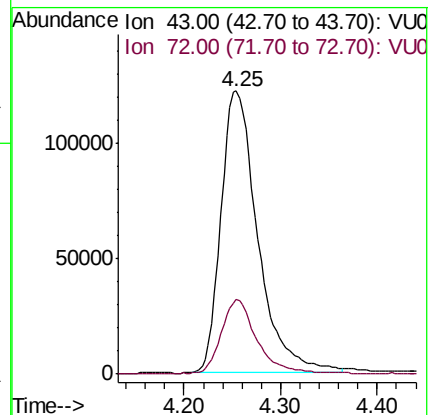
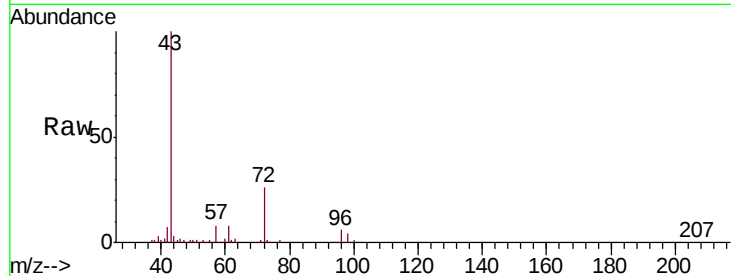
VSTD05037

Tgt Ion: 43 Resp: 321707

Ion Ratio Lower Upper

43 100

72 25.5 10.8 32.4



#23

Bromochloromethane

Concen: 57.796 ug/L

RT: 4.54 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VU031195.D

Acq: 14 Apr 2019 07:06

Tgt Ion: 128 Resp: 89529

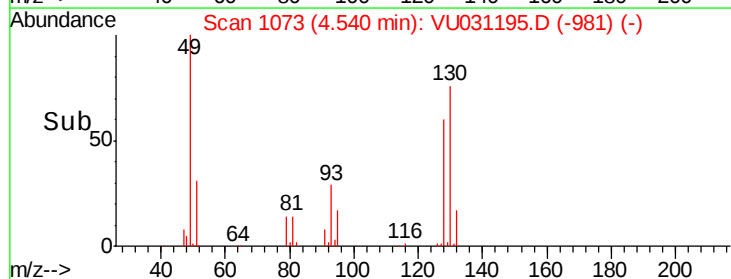
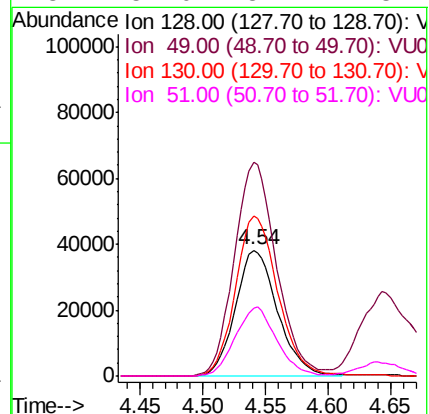
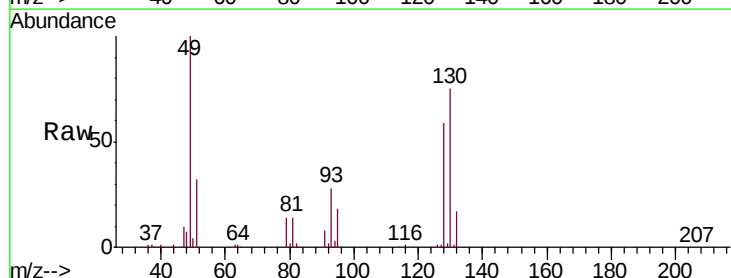
Ion Ratio Lower Upper

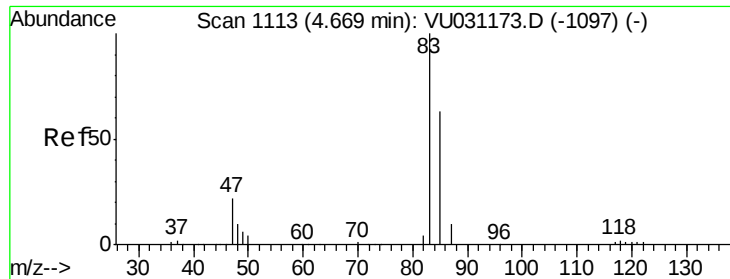
128 100

49 169.9 139.9 259.7

130 127.8 86.6 160.8

51 54.0 52.2 78.4

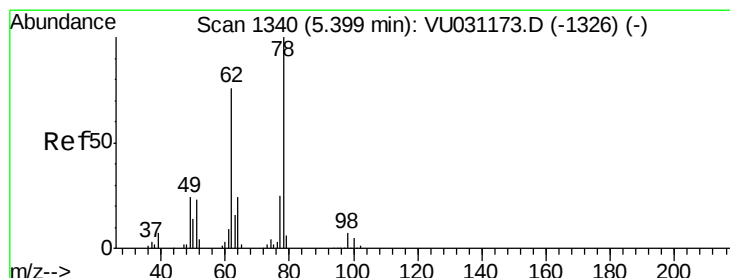
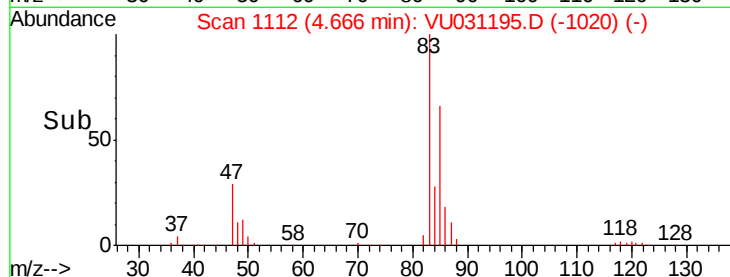
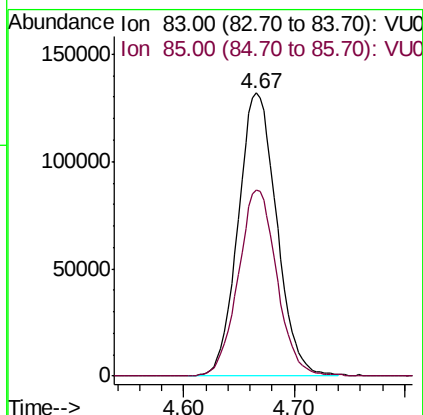
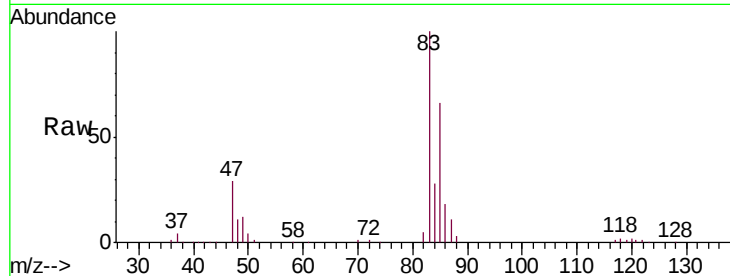




#25
Chloroform
Concen: 51.932 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VU031195.D
Acq: 14 Apr 2019 07:06

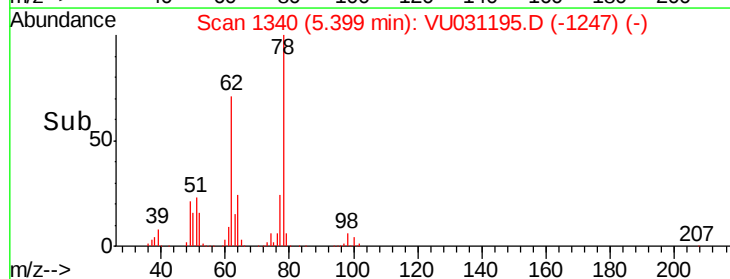
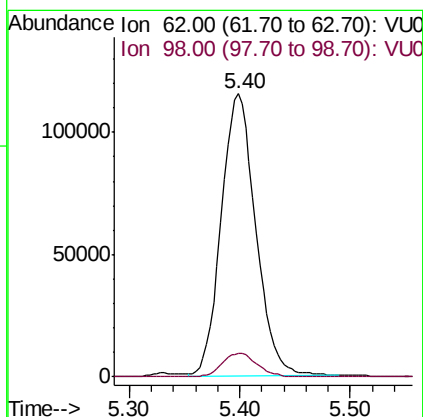
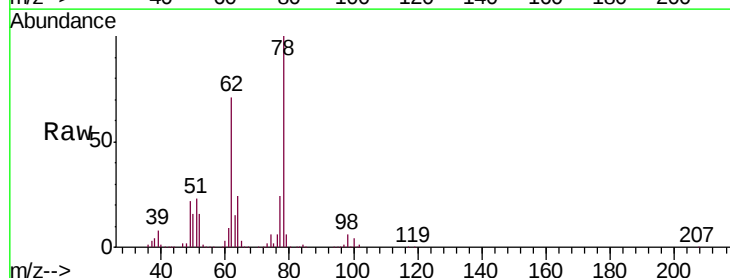
Instrument :
MSVOA_U
ClientSampleId :
VSTD05037

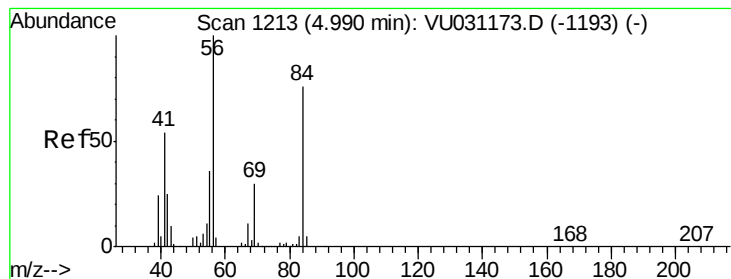
Tgt Ion: 83 Resp: 319637
Ion Ratio Lower Upper
83 100
85 65.9 45.8 85.0



#27
1,2-Dichloroethane
Concen: 53.414 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VU031195.D
Acq: 14 Apr 2019 07:06

Tgt Ion: 62 Resp: 250923
Ion Ratio Lower Upper
62 100
98 8.1 7.2 10.8





#29

Cyclohexane

Concen: 36.838 ug/L

RT: 4.99 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VU031195.D

Acq: 14 Apr 2019 07:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD05037

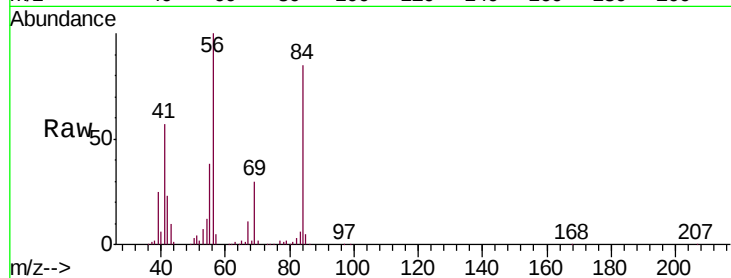
Tgt Ion: 56 Resp: 245655

Ion Ratio Lower Upper

56 100

69 29.0 22.0 33.0

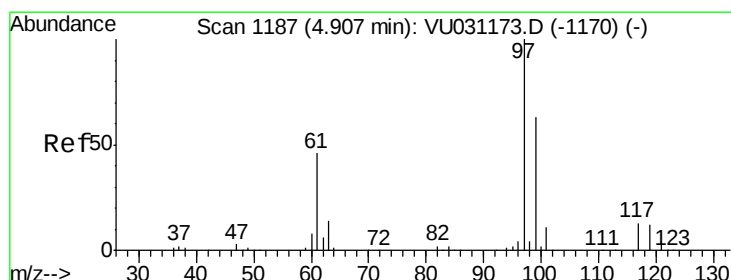
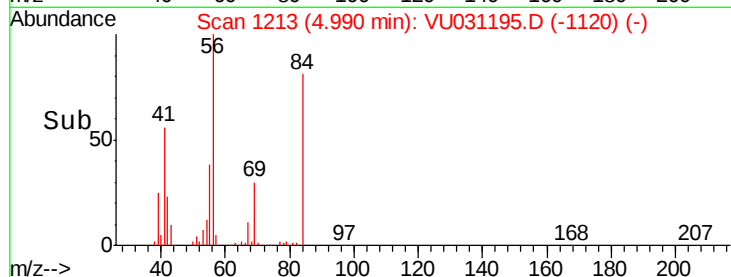
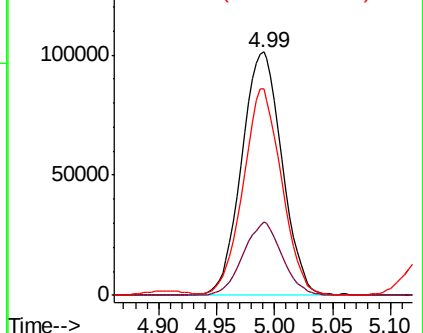
84 80.6 58.2 87.2



Abundance Ion 56.00 (55.70 to 56.70): VU031173.D (-1193) (-)

Ion 69.00 (68.70 to 69.70): VU031173.D (-1193) (-)

Ion 84.00 (83.70 to 84.70): VU031173.D (-1193) (-)



#30

1,1,1-Trichloroethane

Concen: 46.283 ug/L

RT: 4.91 min Scan# 1187

Delta R.T. 0.00 min

Lab File: VU031195.D

Acq: 14 Apr 2019 07:06

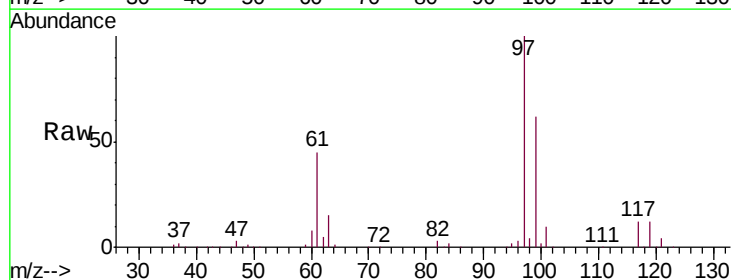
Tgt Ion: 97 Resp: 263900

Ion Ratio Lower Upper

97 100

99 63.0 51.4 77.2

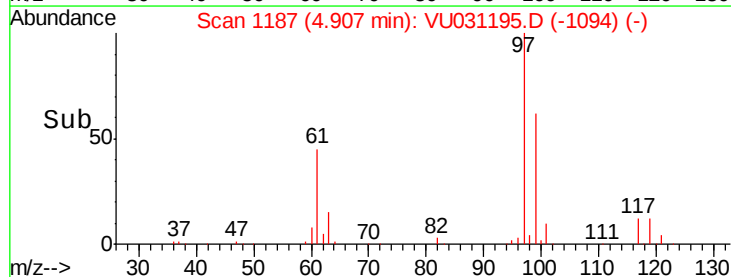
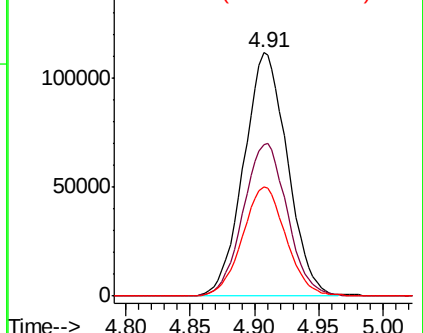
61 44.7 37.1 55.7

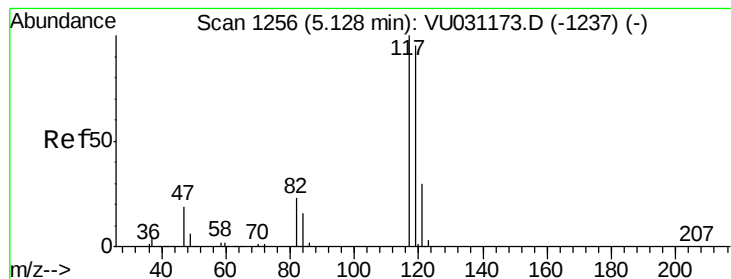


Abundance Ion 97.00 (96.70 to 97.70): VU031173.D (-1170) (-)

Ion 99.00 (98.70 to 99.70): VU031173.D (-1170) (-)

Ion 61.05 (60.75 to 61.75): VU031173.D (-1170) (-)





#31

Carbon tetrachloride

Concen: 46.459 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU031195.D

Acq: 14 Apr 2019 07:06

Instrument :

MSVOA_U

ClientSampleId :

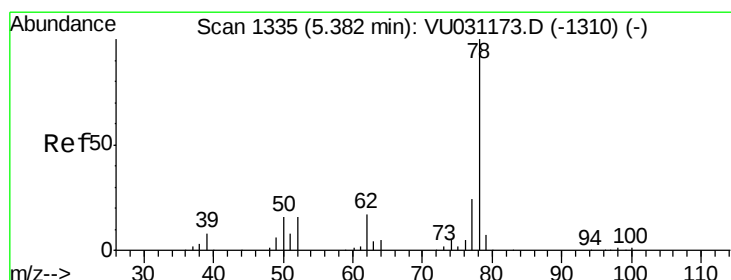
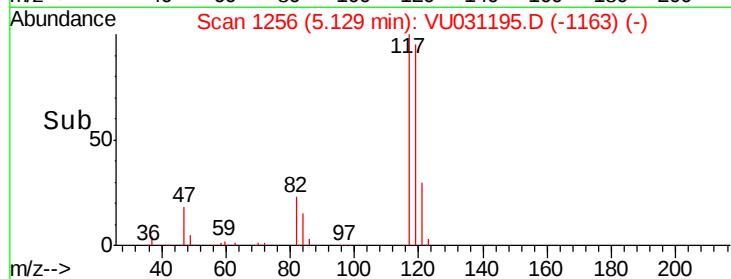
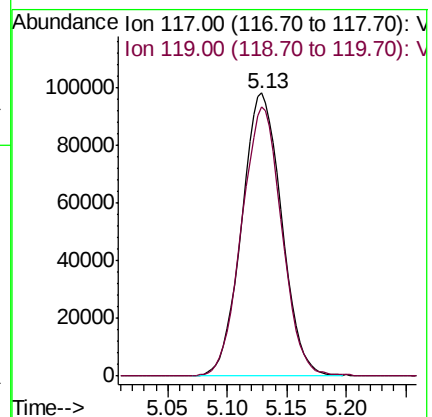
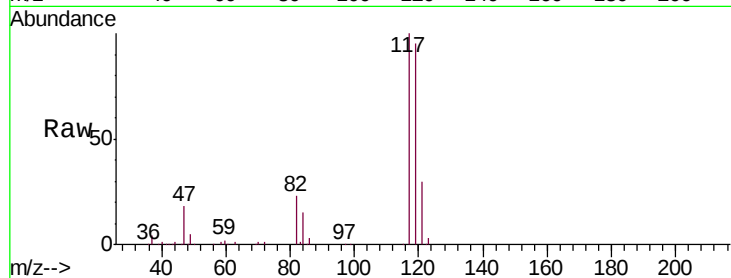
VSTD05037

Tgt Ion:117 Resp: 228281

Ion Ratio Lower Upper

117 100

119 95.5 76.2 114.2



#33

Benzene

Concen: 43.093 ug/L

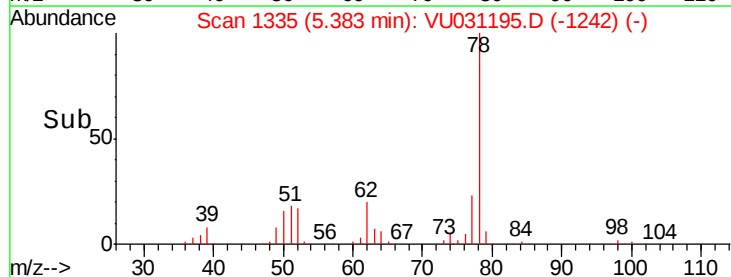
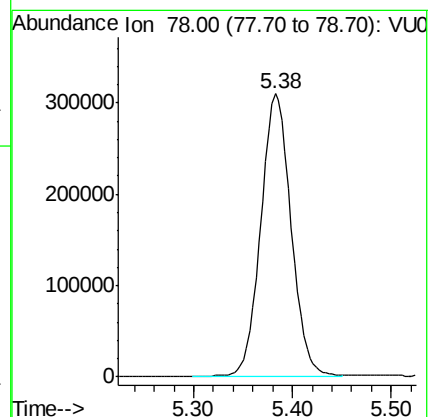
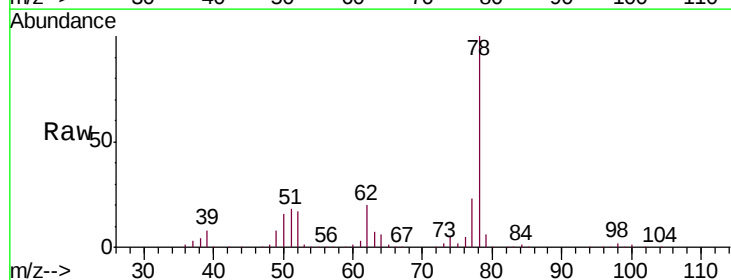
RT: 5.38 min Scan# 1335

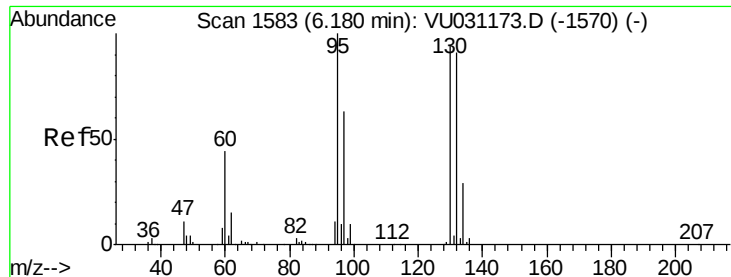
Delta R.T. 0.00 min

Lab File: VU031195.D

Acq: 14 Apr 2019 07:06

Tgt Ion: 78 Resp: 659790

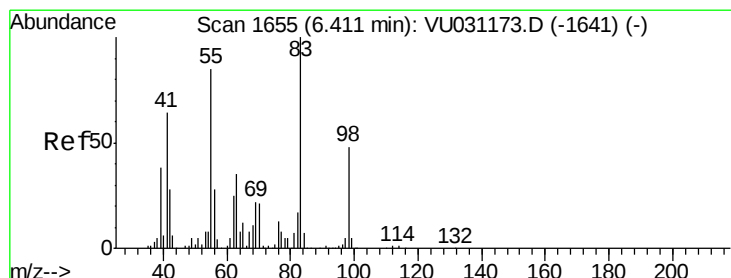
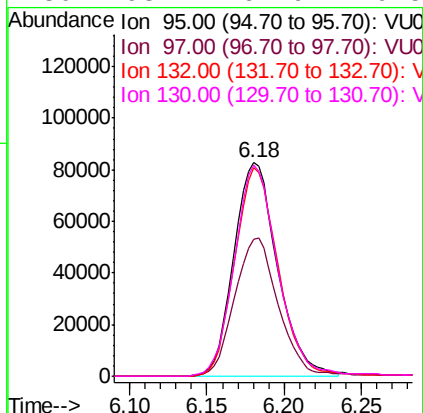
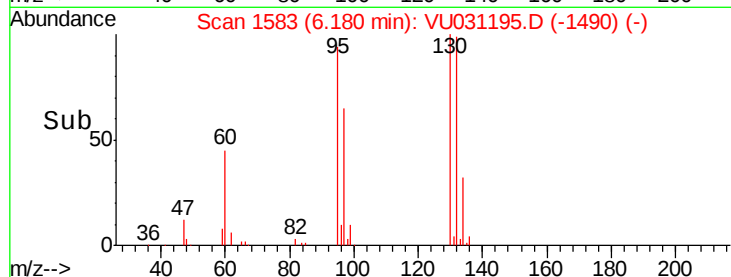
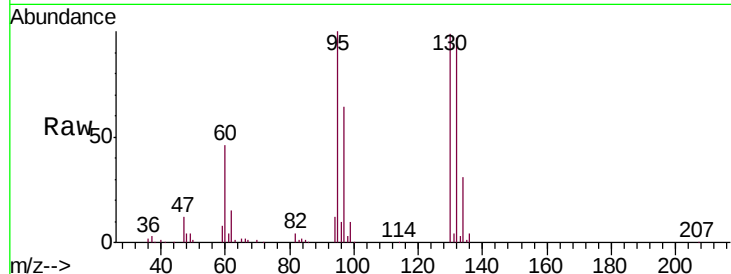




#34
 Trichloroethene
 Concen: 43.145 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU031195.D
 Acq: 14 Apr 2019 07:06

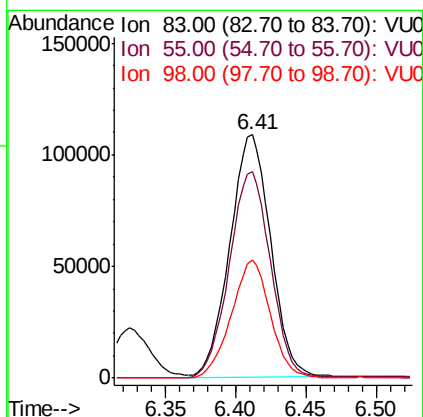
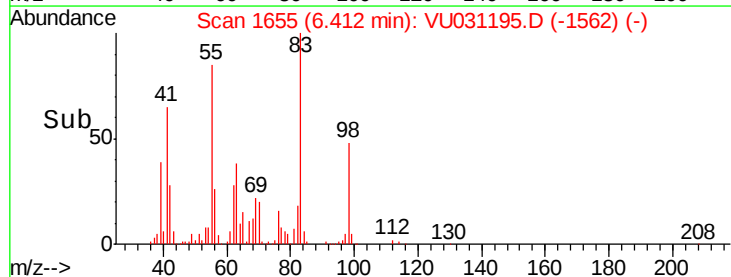
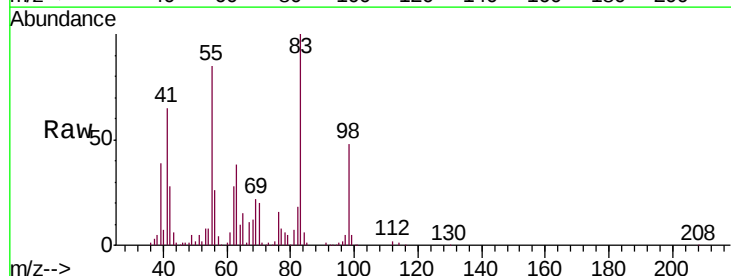
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05037

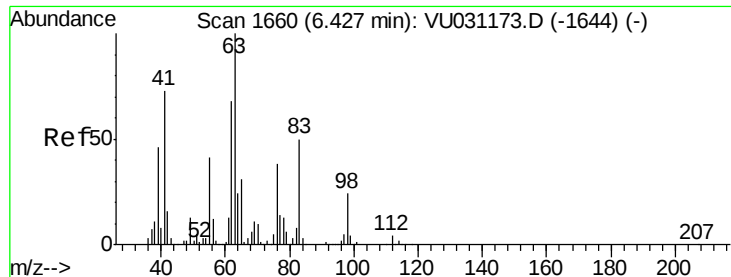
Tgt Ion:	95	Resp:	162018
Ion	Ratio	Lower	Upper
95	100		
97	64.4	44.5	82.7
132	97.4	61.5	114.1
130	98.7	64.9	120.5



#35
 Methylcyclohexane
 Concen: 37.955 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU031195.D
 Acq: 14 Apr 2019 07:06

Tgt Ion:	83	Resp:	219962
Ion	Ratio	Lower	Upper
83	100		
55	85.9	71.6	107.4
98	46.5	35.4	53.0

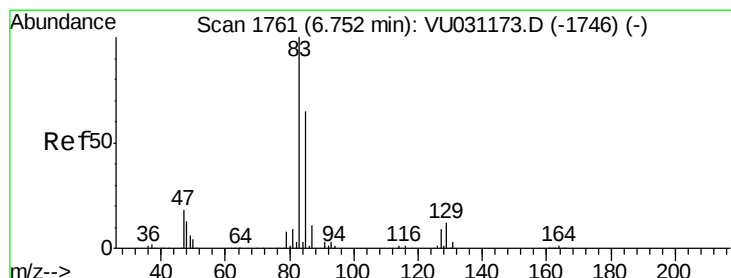
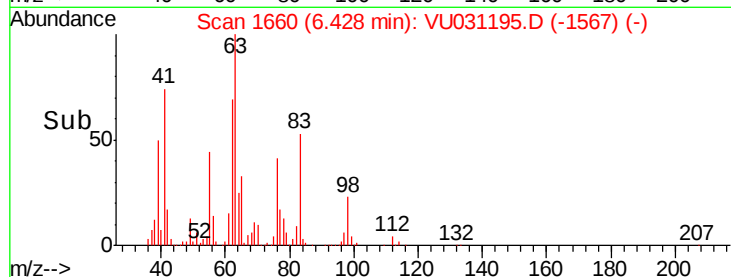
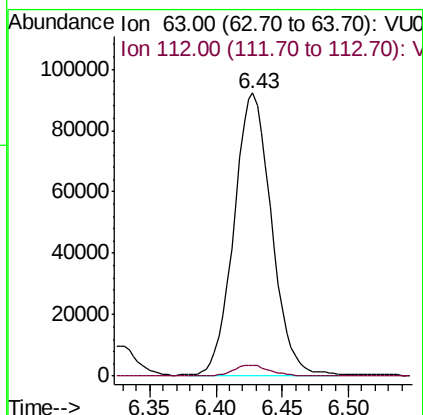
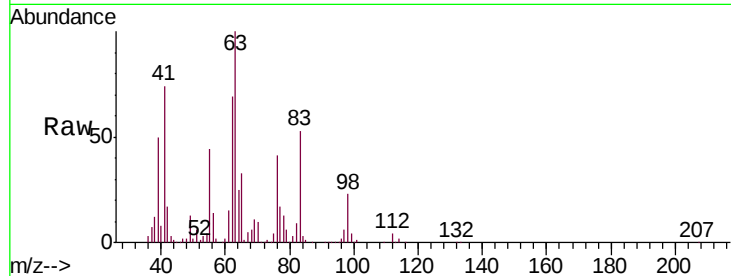




#37
 1,2-Dichloropropane
 Concen: 42.008 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU031195.D
 Acq: 14 Apr 2019 07:06

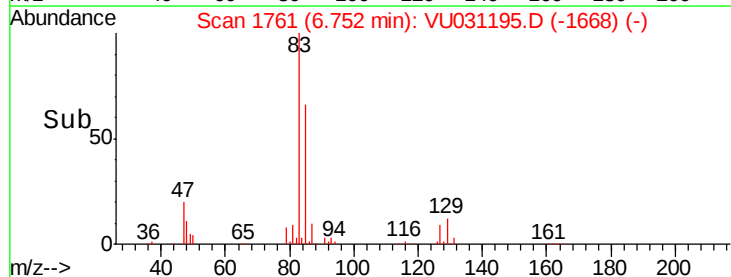
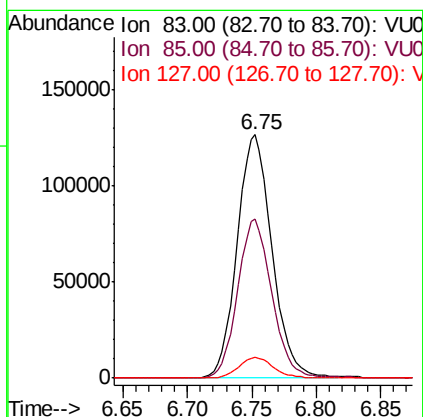
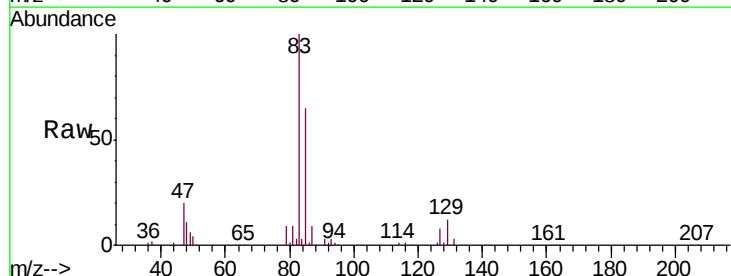
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05037

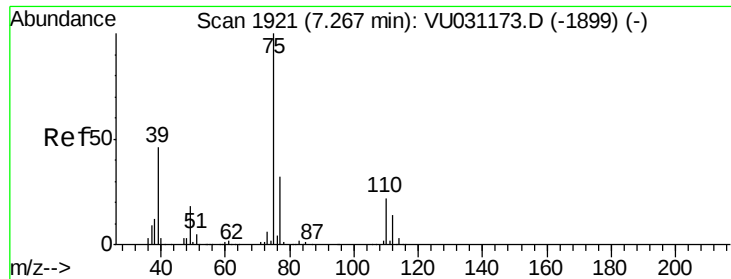
Tgt Ion: 63 Resp: 182120
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.0 4.4



#38
 Bromodichloromethane
 Concen: 45.394 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU031195.D
 Acq: 14 Apr 2019 07:06

Tgt Ion: 83 Resp: 237417
 Ion Ratio Lower Upper
 83 100
 85 65.3 46.5 86.3
 127 8.4 6.6 10.0

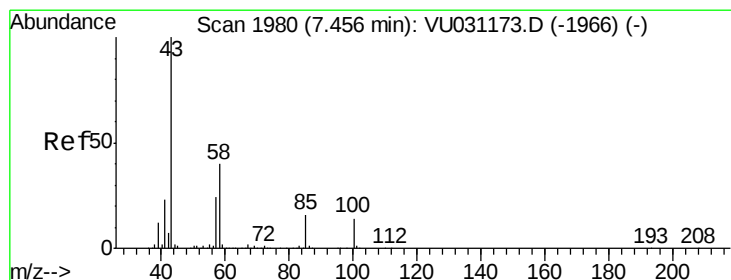
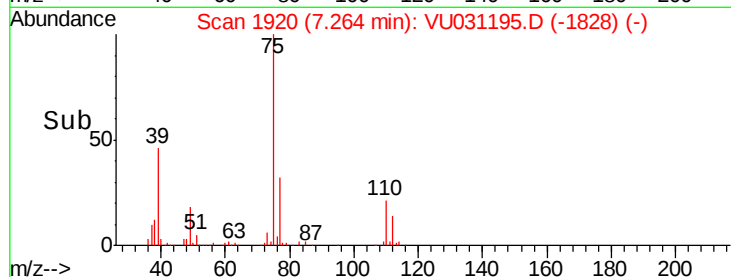
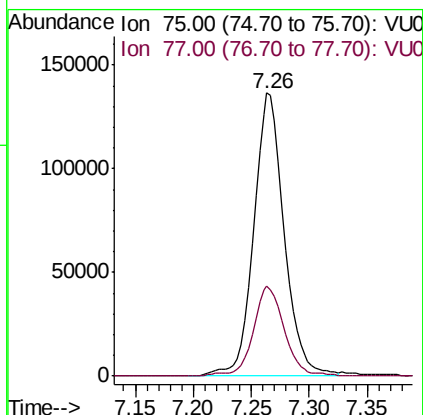
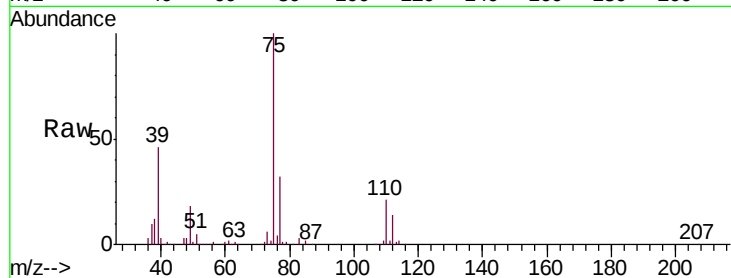




#39
 cis-1,3-Dichloropropene
 Concen: 40.639 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VU031195.D
 Acq: 14 Apr 2019 07:06

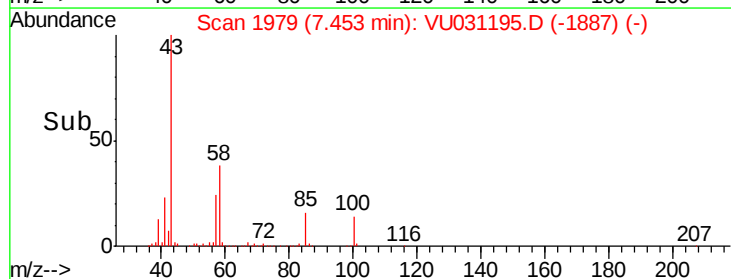
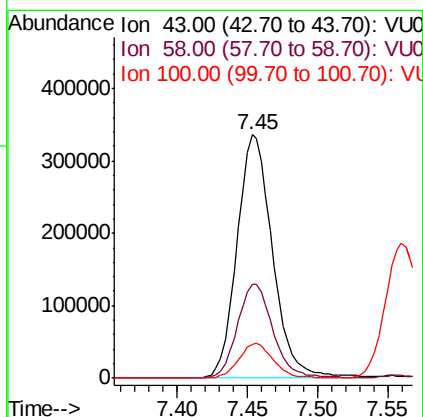
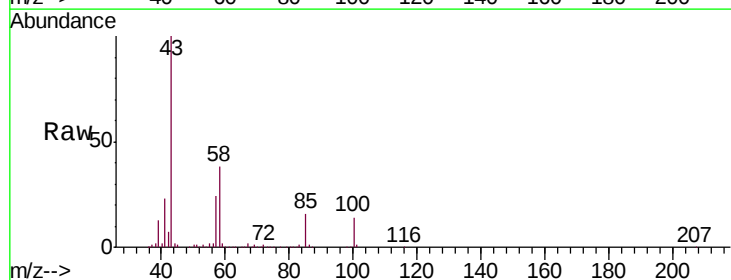
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05037

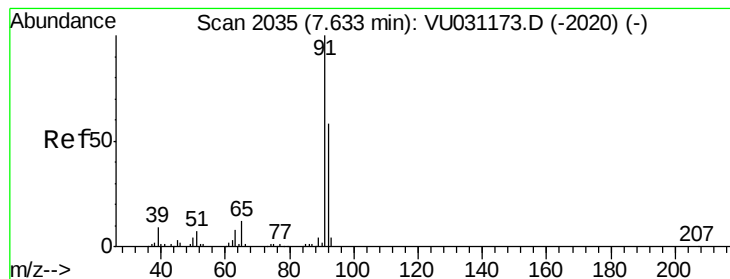
Tgt Ion: 75 Resp: 250772
 Ion Ratio Lower Upper
 75 100
 77 31.7 23.1 42.9



#40
 4-Methyl-2-pentanone
 Concen: 84.686 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VU031195.D
 Acq: 14 Apr 2019 07:06

Tgt Ion: 43 Resp: 590406
 Ion Ratio Lower Upper
 43 100
 58 39.0 29.7 44.5
 100 13.9 9.8 14.6





#42

Toluene

Concen: 44.660 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031195.D

Acq: 14 Apr 2019 07:06

Instrument :

MSVOA_U

ClientSampleId :

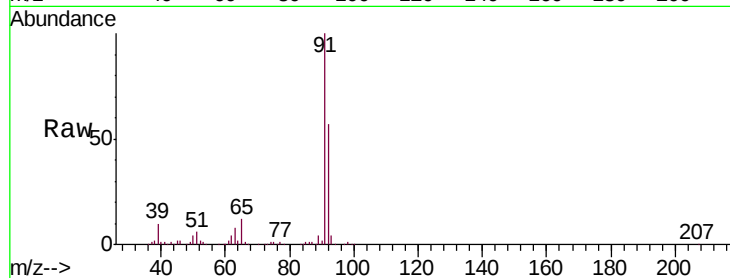
VSTD05037

Tgt Ion: 91 Resp: 697980

Ion Ratio Lower Upper

91 100

92 57.2 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU031173.D (-2020) (-)

Ion 92.00 (91.70 to 92.70): VU031173.D (-2020) (-)

7.63

400000

300000

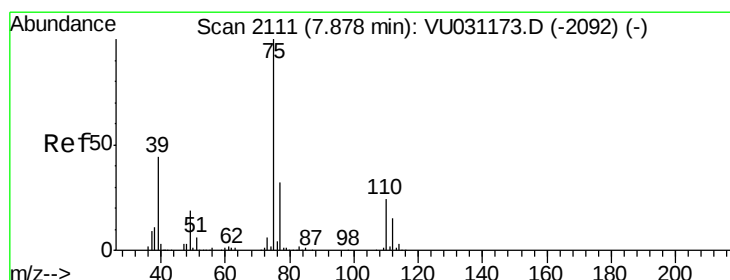
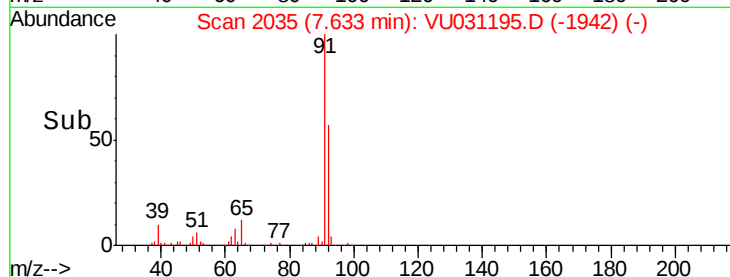
200000

100000

0

7.60 7.65 7.70 7.80

Time-->



#44

trans-1,3-Dichloropropene

Concen: 41.883 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VU031195.D

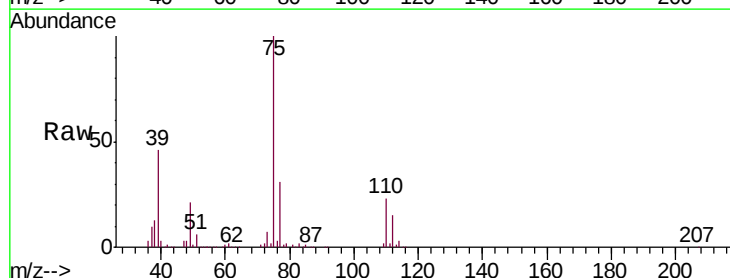
Acq: 14 Apr 2019 07:06

Tgt Ion: 75 Resp: 227764

Ion Ratio Lower Upper

75 100

77 31.1 21.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VU031173.D (-2092) (-)

Ion 77.00 (76.70 to 77.70): VU031173.D (-2092) (-)

7.87

150000

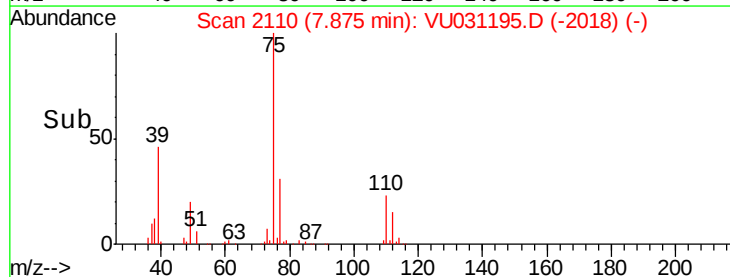
100000

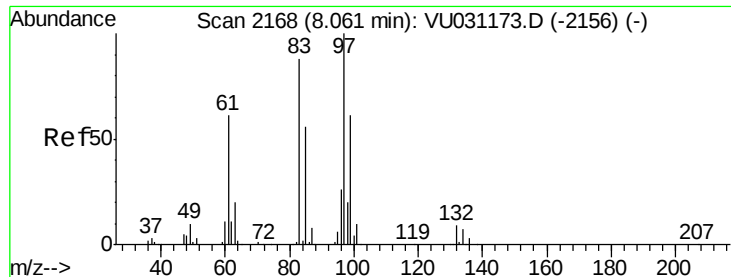
50000

0

7.80 7.85 7.90 7.95

Time-->

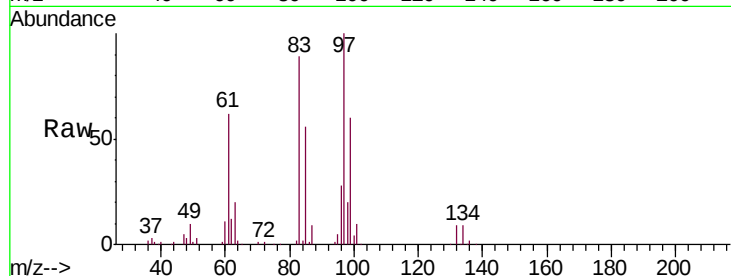




#45
 1,1,2-Trichloroethane
 Concen: 46.879 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. 0.00 min
 Lab File: VU031195.D
 Acq: 14 Apr 2019 07:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05037

Tgt Ion:	97	Resp:	172368
Ion	Ratio	Lower	Upper
97	100		
99	60.5	44.0	81.8
83	89.2	65.3	121.3
85	55.8	42.5	78.9



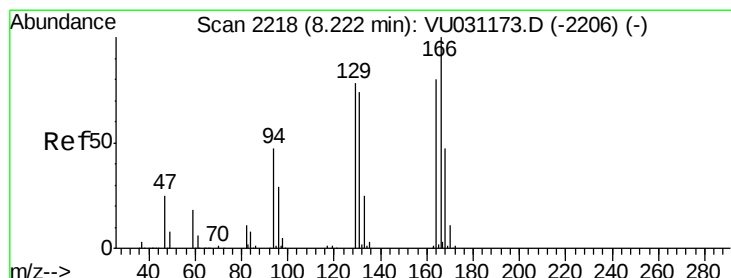
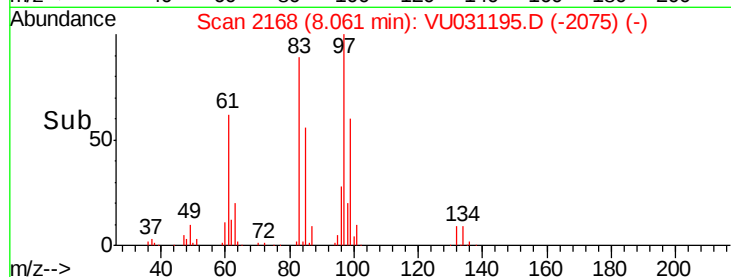
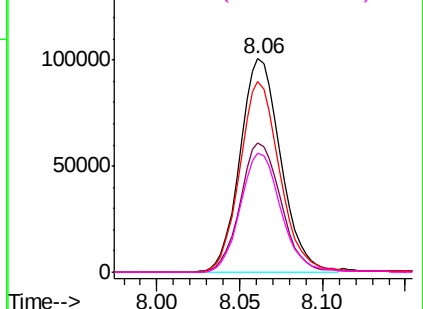
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

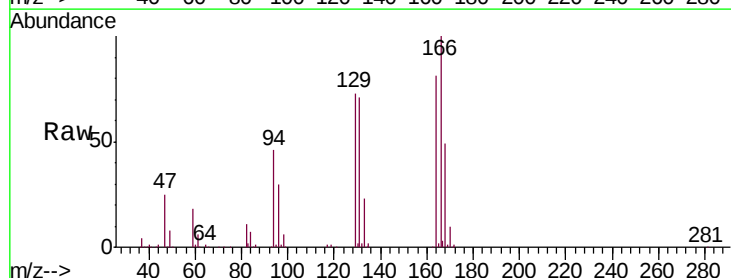
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
 Tetrachloroethene
 Concen: 43.401 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU031195.D
 Acq: 14 Apr 2019 07:06

Tgt Ion:	164	Resp:	118491
Ion	Ratio	Lower	Upper
164	100		
129	91.1	67.4	125.2
131	87.7	65.9	122.5
166	123.9	88.6	164.6



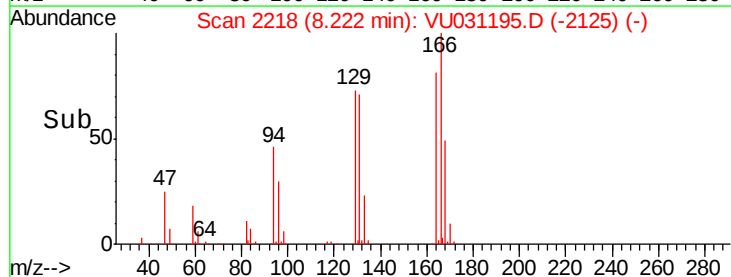
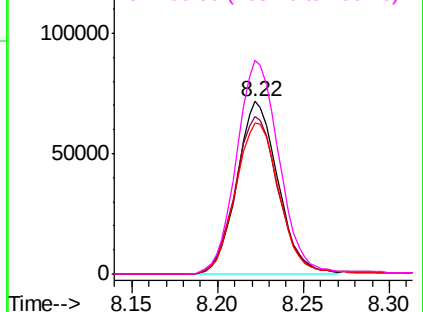
Abundance

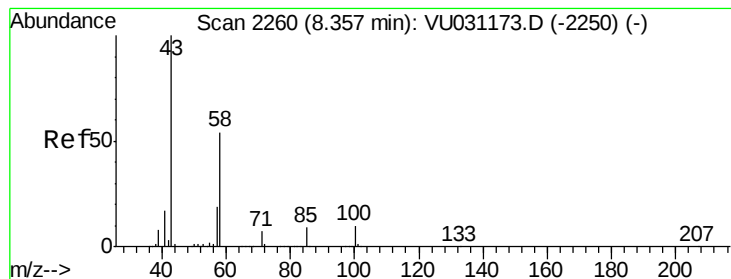
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#48

2-Hexanone

Concen: 86.723 ug/L

RT: 8.36 min Scan# 2260

Delta R.T. 0.00 min

Lab File: VU031195.D

Acq: 14 Apr 2019 07:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD05037

Tgt Ion: 43 Resp: 471705

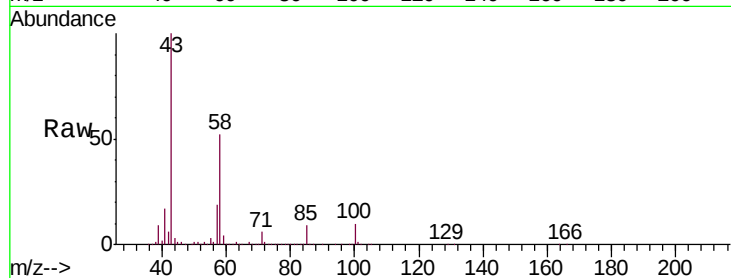
Ion Ratio Lower Upper

43 100

58 53.3 41.9 62.9

57 18.6 14.3 21.5

100 10.6 7.1 10.7

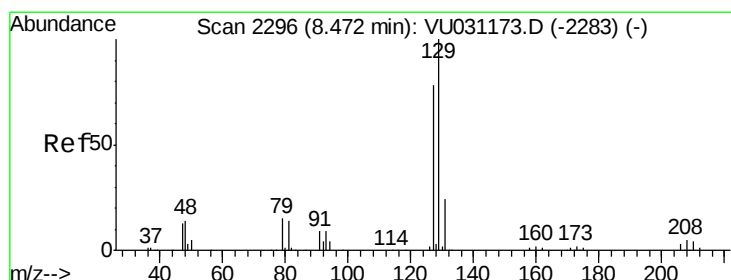
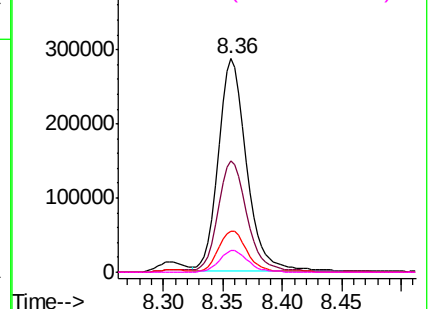
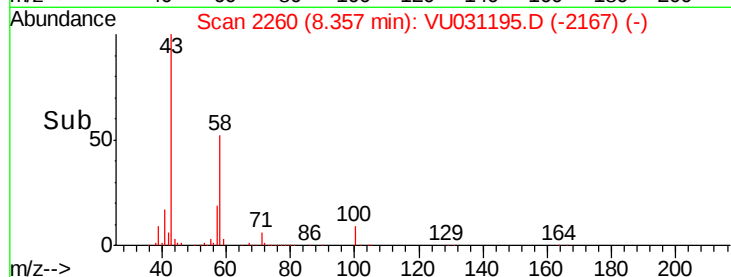


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0



#49

Dibromochloromethane

Concen: 48.180 ug/L

RT: 8.47 min Scan# 2296

Delta R.T. 0.00 min

Lab File: VU031195.D

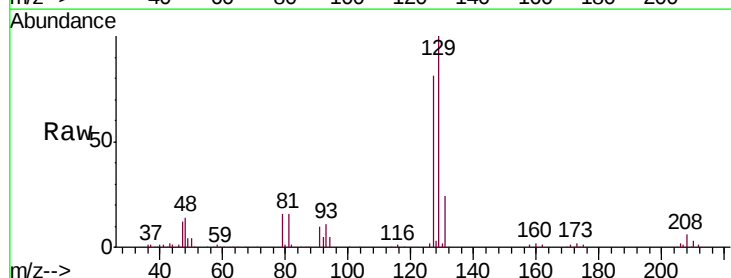
Acq: 14 Apr 2019 07:06

Tgt Ion: 129 Resp: 187976

Ion Ratio Lower Upper

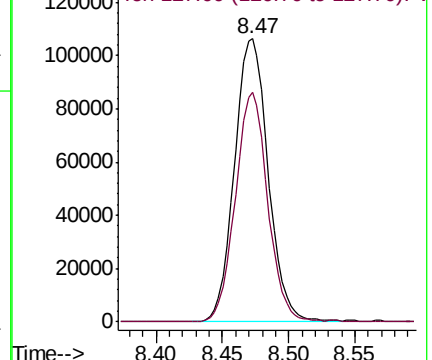
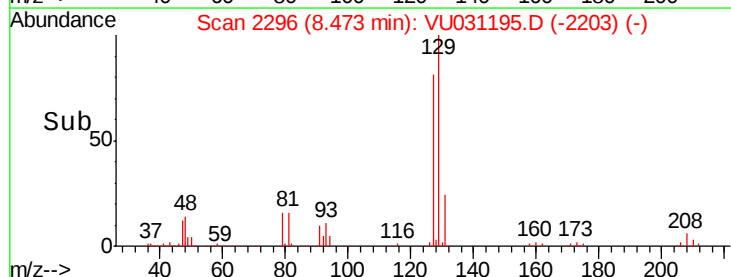
129 100

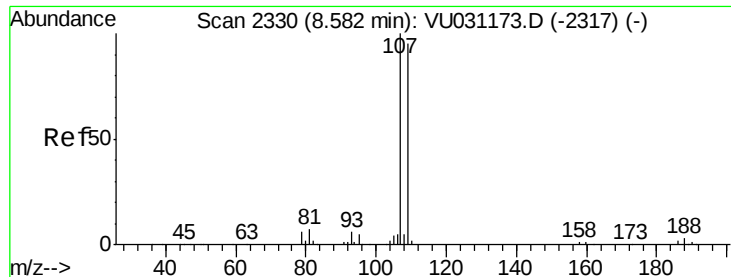
127 81.3 54.5 101.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

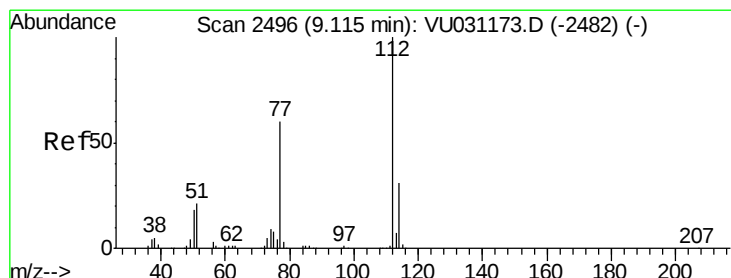
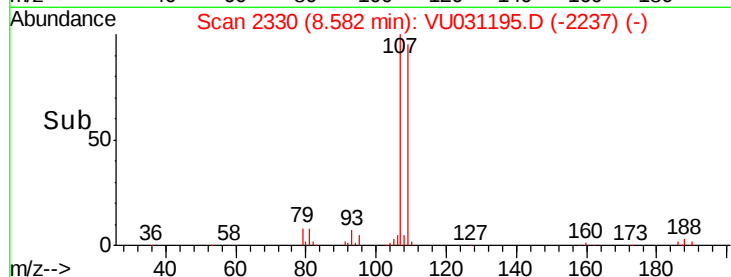
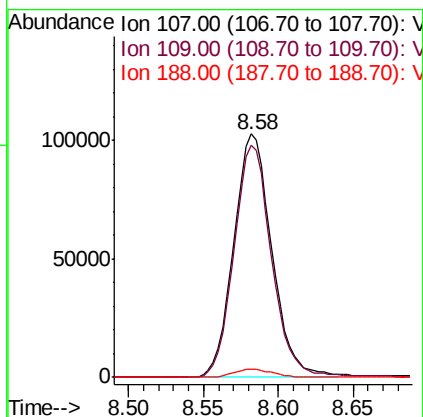
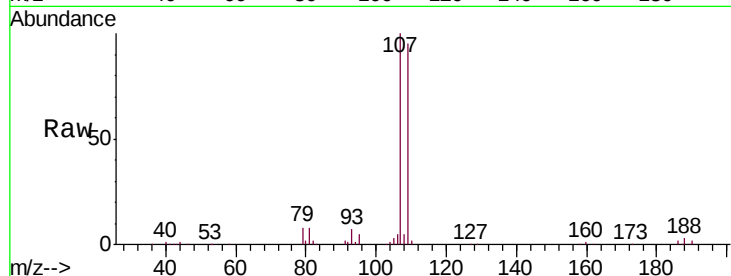




#50
1,2-Dibromoethane
Concen: 45.863 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU031195.D
Acq: 14 Apr 2019 07:06

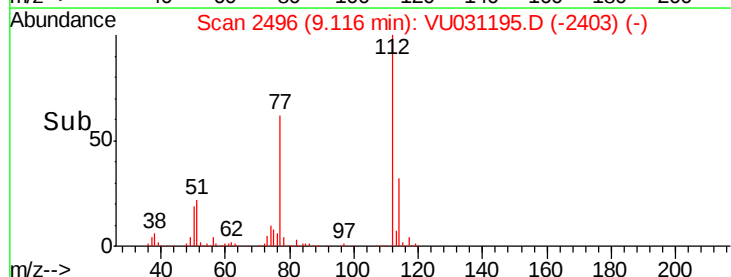
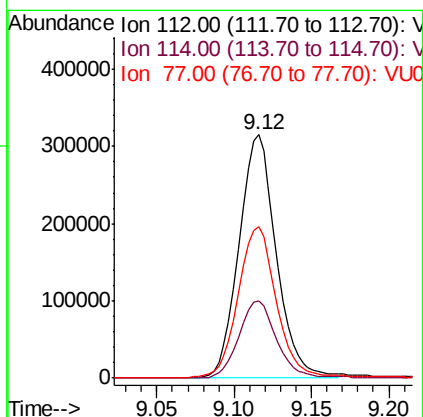
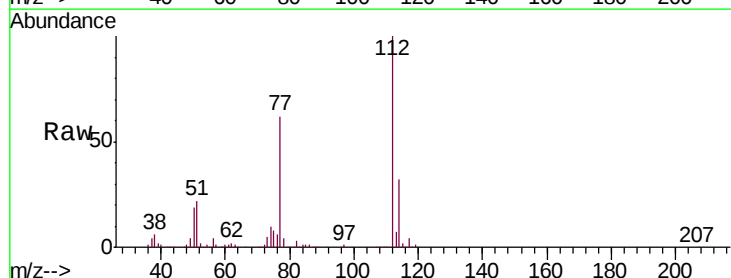
Instrument :
MSVOA_U
ClientSampleId :
VSTD05037

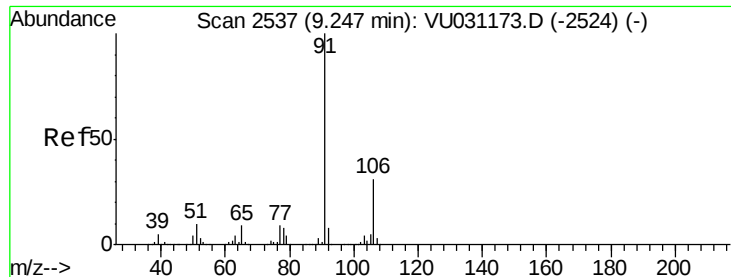
Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.1	66.4	123.2
188	3.4	2.6	4.0



#51
Chlorobenzene
Concen: 55.103 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU031195.D
Acq: 14 Apr 2019 07:06

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.2	41.2
77	62.2	51.7	77.5





#52

Ethylbenzene

Concen: 56.479 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. -0.00 min

Lab File: VU031195.D

Acq: 14 Apr 2019 07:06

Instrument :

MSVOA_U

ClientSampleId :

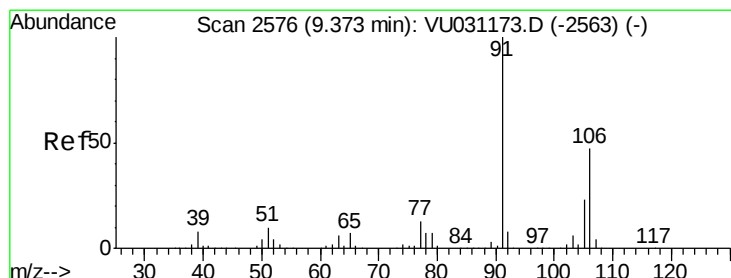
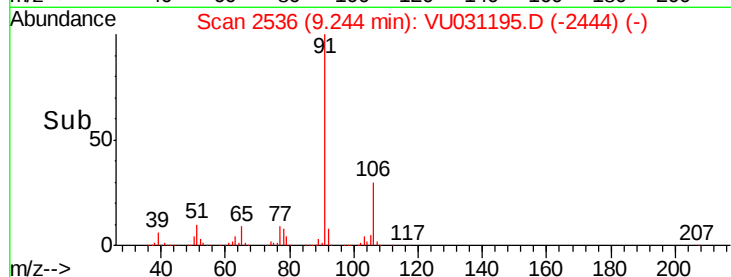
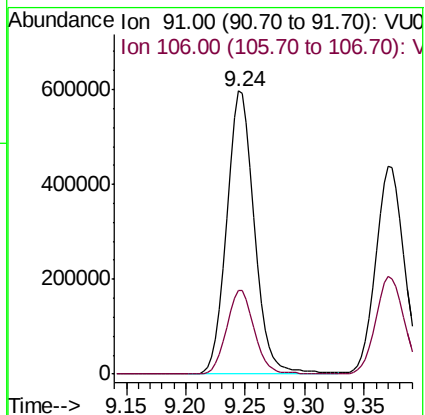
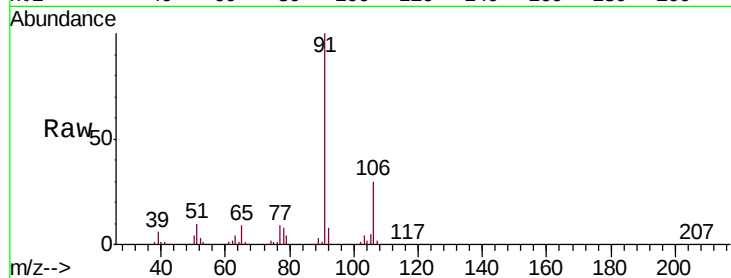
VSTD05037

Tgt Ion: 91 Resp: 962170

Ion Ratio Lower Upper

91 100

106 29.6 20.4 37.8



#53

m,p-Xylene

Concen: 57.854 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU031195.D

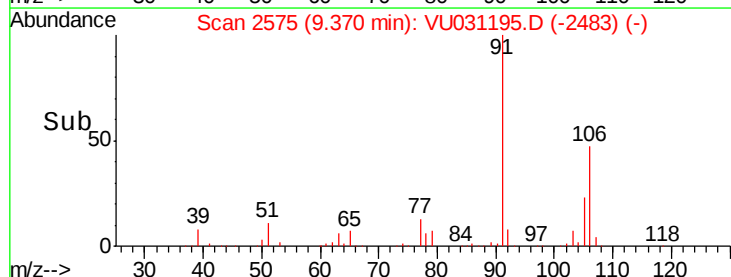
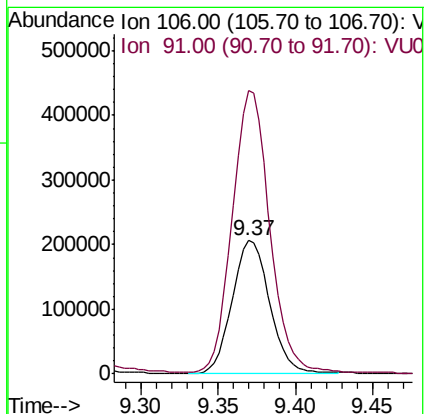
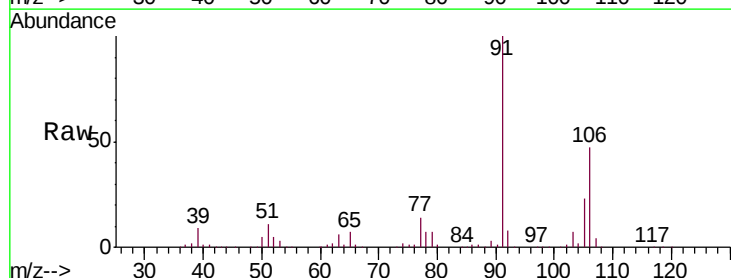
Acq: 14 Apr 2019 07:06

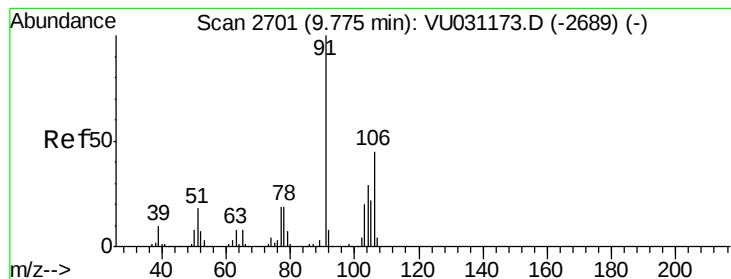
Tgt Ion: 106 Resp: 343737

Ion Ratio Lower Upper

106 100

91 212.4 148.0 274.8





#54

o-xylene

Concen: 58.692 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU031195.D

Acq: 14 Apr 2019 07:06

Instrument :

MSVOA_U

ClientSampleId :

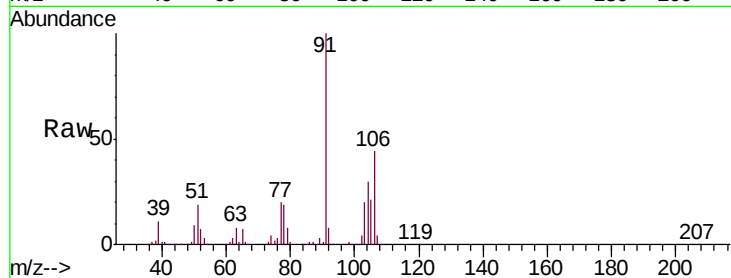
VSTD05037

Tgt Ion:106 Resp: 346867

Ion Ratio Lower Upper

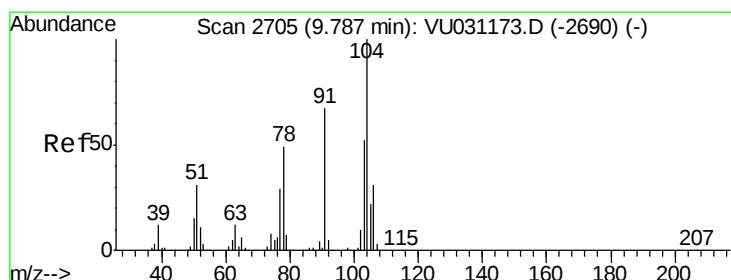
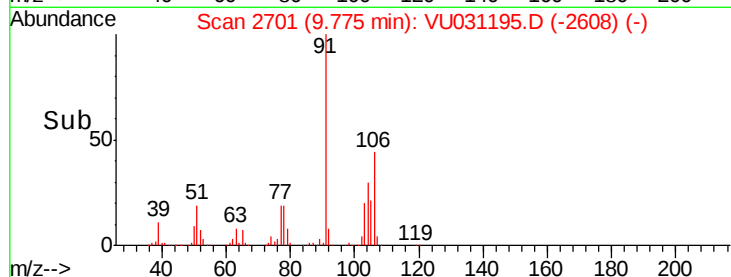
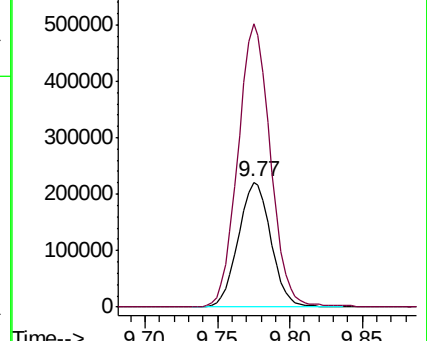
106 100

91 227.1 156.7 290.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 60.038 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU031195.D

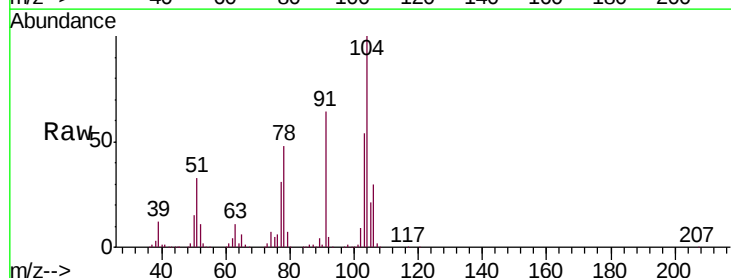
Acq: 14 Apr 2019 07:06

Tgt Ion:104 Resp: 608609

Ion Ratio Lower Upper

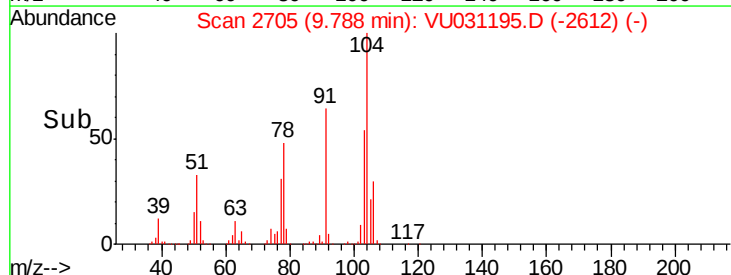
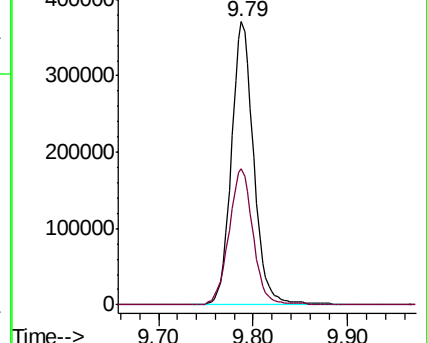
104 100

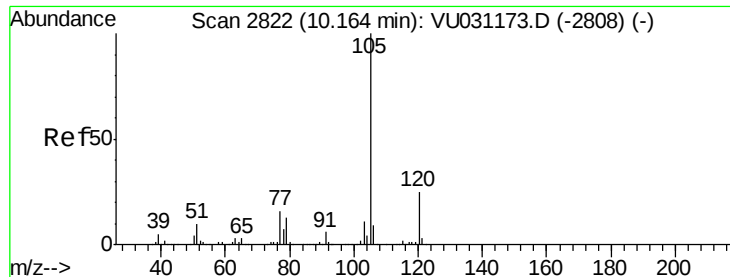
78 48.1 35.1 65.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 57.179 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031195.D

Acq: 14 Apr 2019 07:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD05037

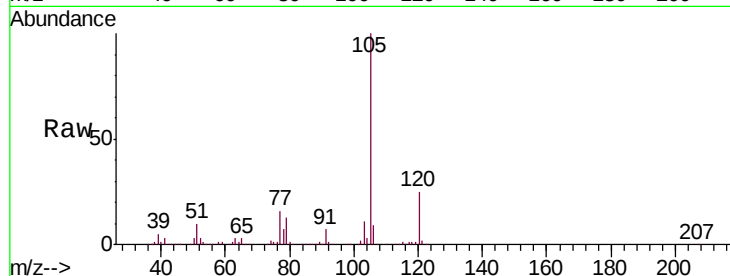
Tgt Ion: 105 Resp: 889701

Ion Ratio Lower Upper

105 100

120 25.2 20.4 30.6

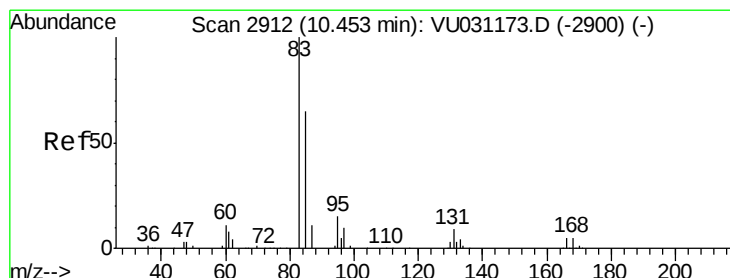
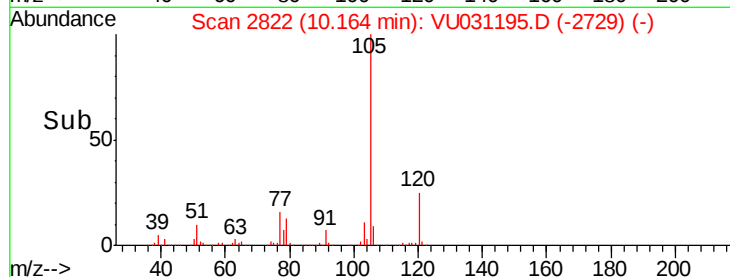
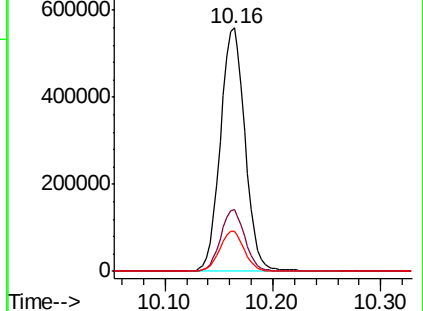
77 16.3 13.4 20.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 54.910 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU031195.D

Acq: 14 Apr 2019 07:06

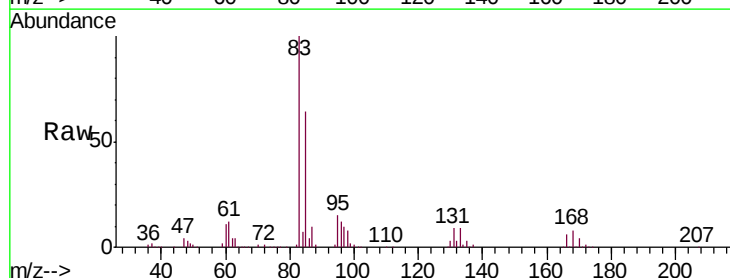
Tgt Ion: 83 Resp: 365186

Ion Ratio Lower Upper

83 100

85 63.6 45.3 84.1

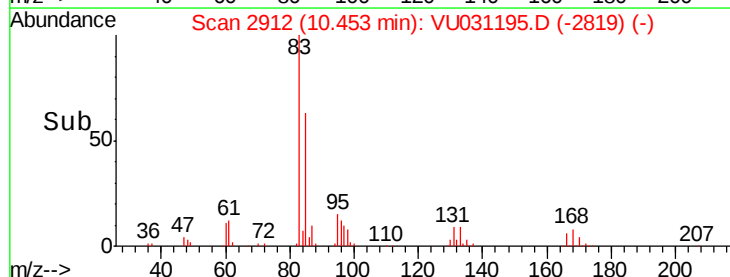
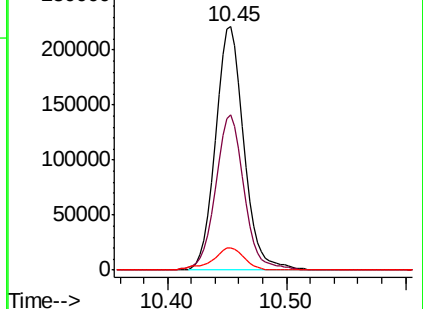
131 9.2 6.7 10.1

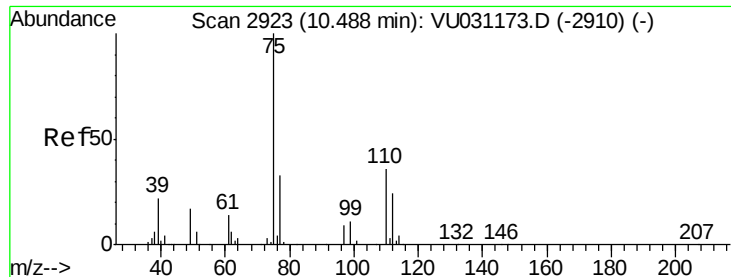


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

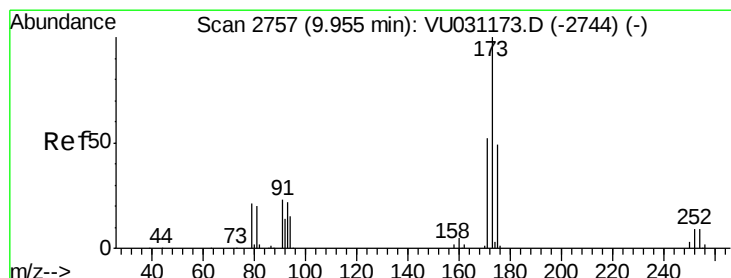
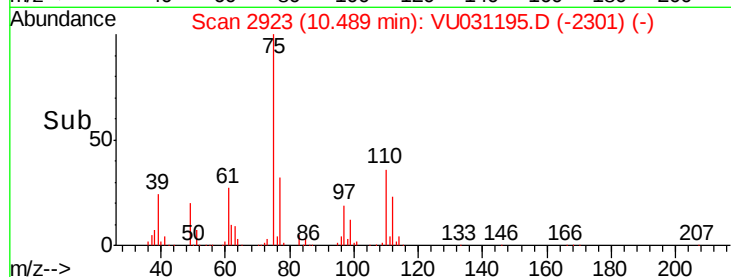
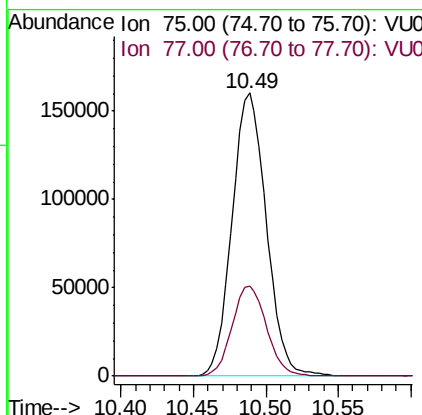
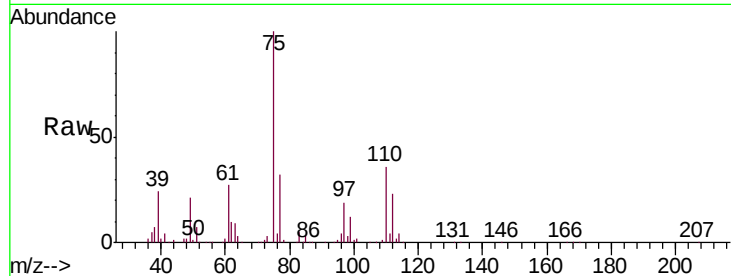




#59
 1,2,3-Trichloropropane
 Concen: 50.567 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. 0.00 min
 Lab File: VU031195.D
 Acq: 14 Apr 2019 07:06

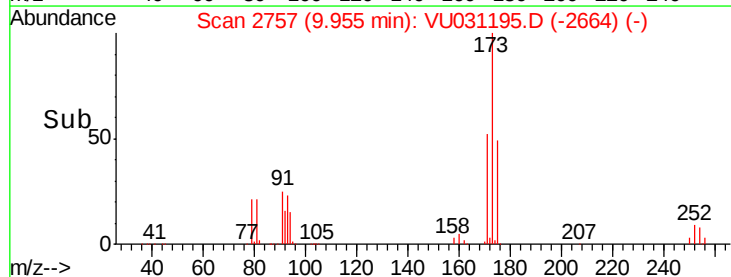
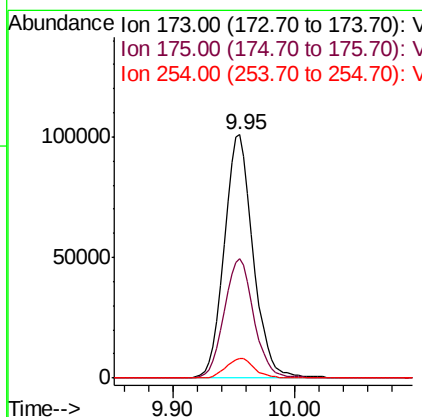
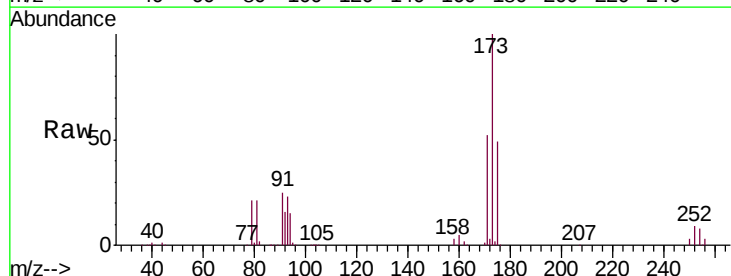
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05037

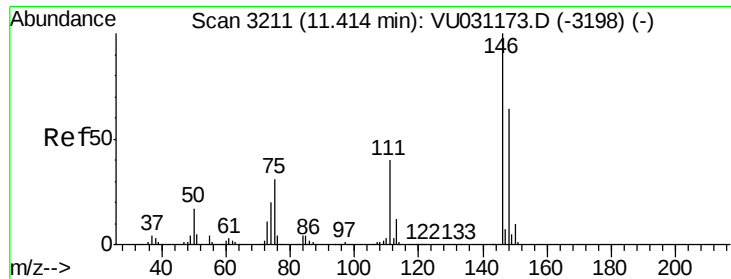
Tgt Ion: 75 Resp: 262564
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.1 39.1



#61
 Bromoform
 Concen: 69.845 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU031195.D
 Acq: 14 Apr 2019 07:06

Tgt Ion: 173 Resp: 167934
 Ion Ratio Lower Upper
 173 100
 175 49.9 39.1 58.7
 254 8.1 7.3 10.9





#62

1,3-Dichlorobenzene

Concen: 51.861 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. -0.00 min

Lab File: VU031195.D

Acq: 14 Apr 2019 07:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD05037

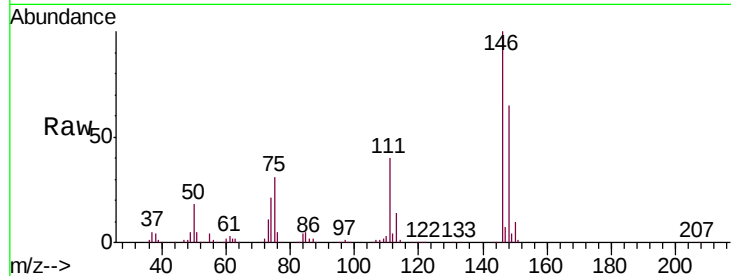
Tgt Ion:146 Resp: 298320

Ion Ratio Lower Upper

146 100

111 40.4 30.9 57.5

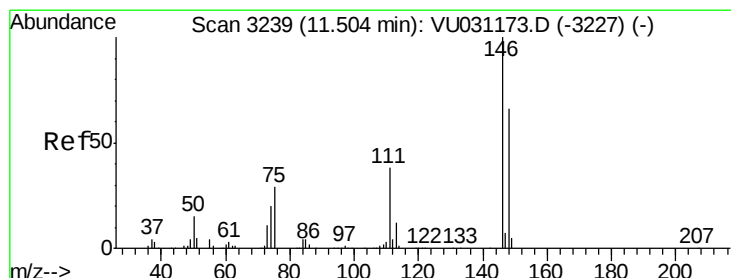
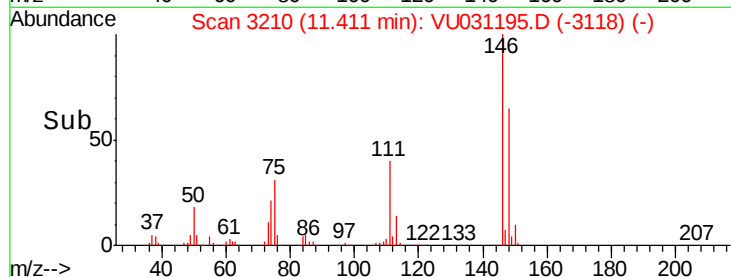
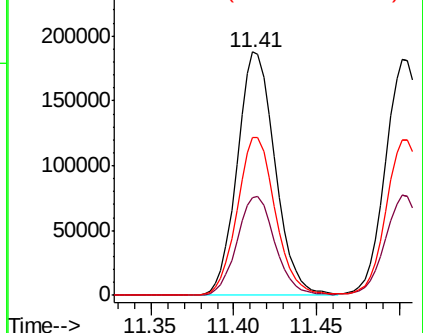
148 64.9 44.7 82.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 50.883 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. -0.00 min

Lab File: VU031195.D

Acq: 14 Apr 2019 07:06

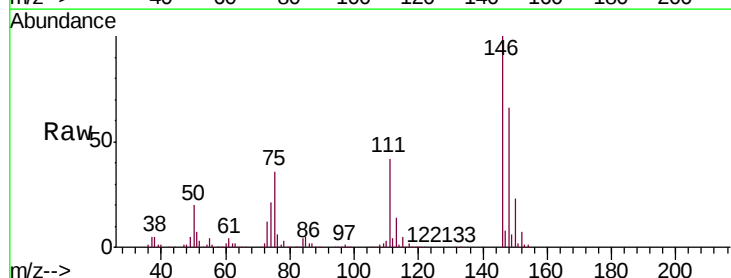
Tgt Ion:146 Resp: 297719

Ion Ratio Lower Upper

146 100

111 42.5 27.7 51.5

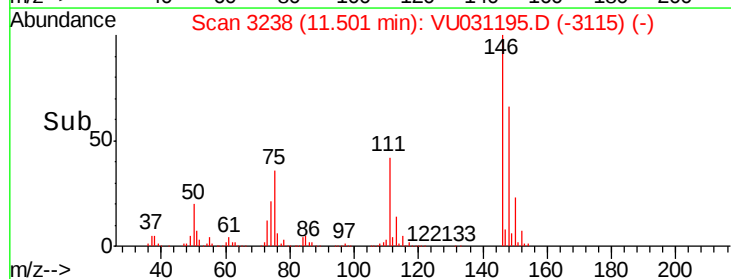
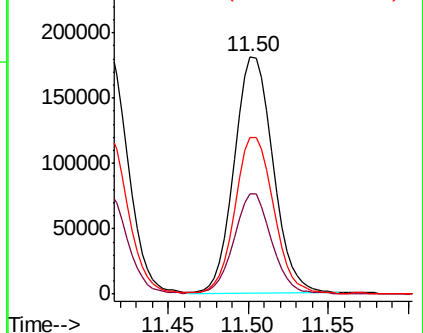
148 66.0 45.4 84.4

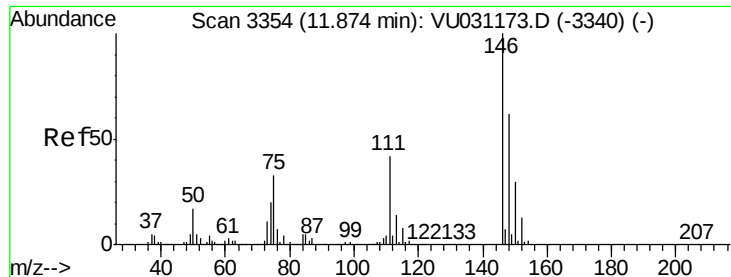


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

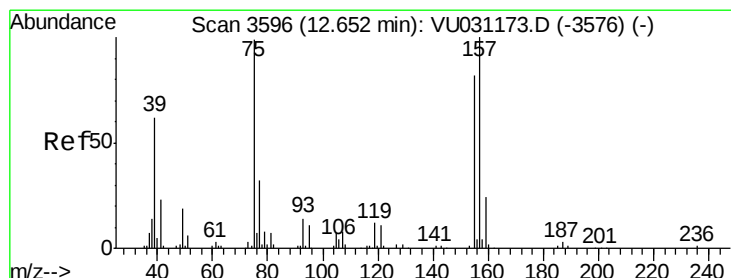
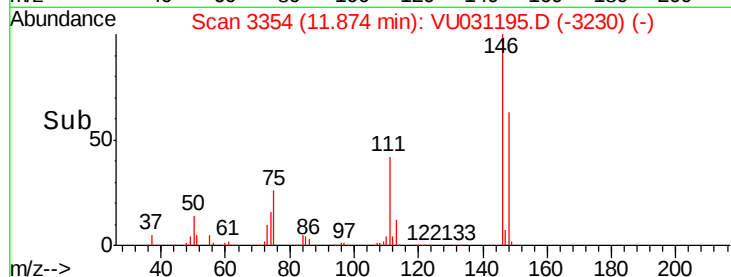
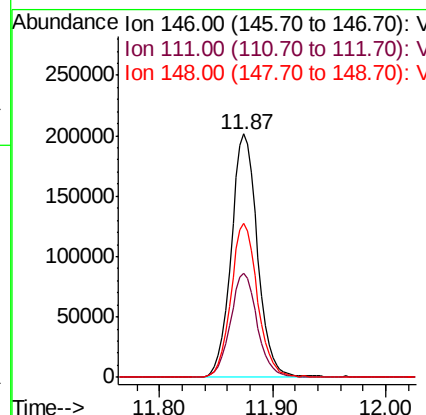
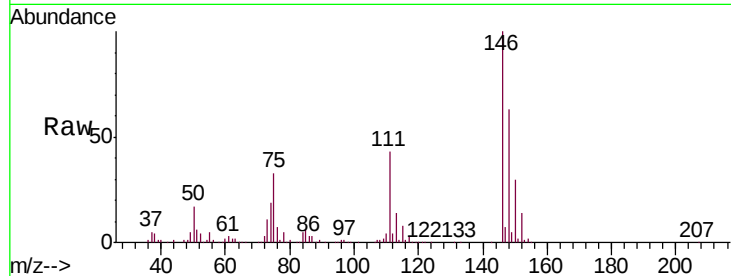




#65
 1,2-Dichlorobenzene
 Concen: 56.386 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU031195.D
 Acq: 14 Apr 2019 07:06

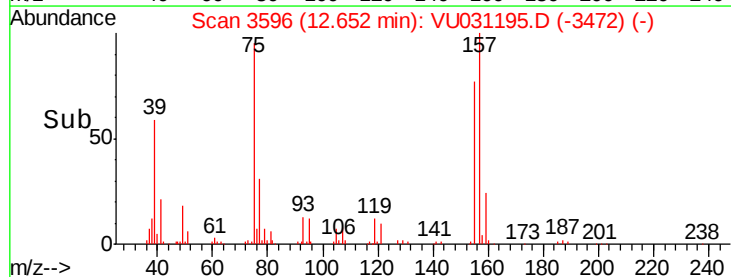
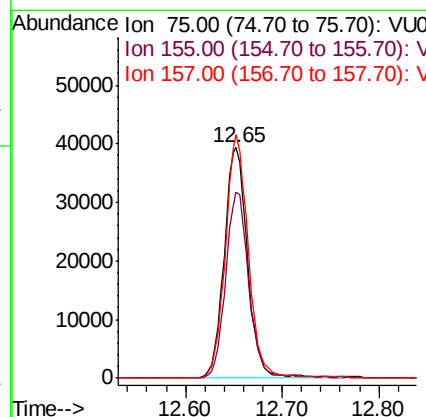
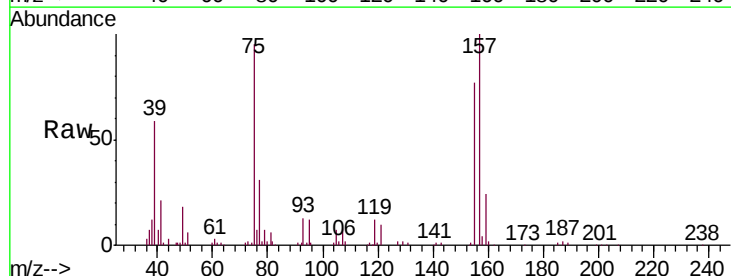
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05037

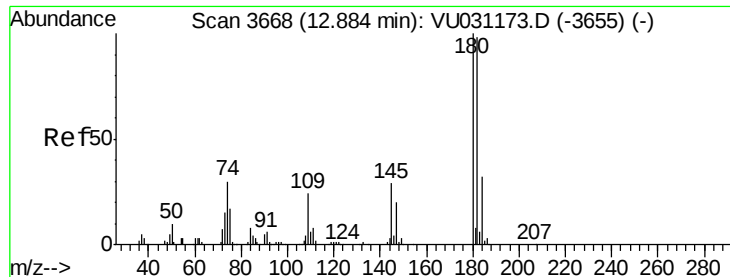
Tgt Ion: 146 Resp: 325349
 Ion Ratio Lower Upper
 146 100
 111 43.0 34.9 52.3
 148 63.4 50.4 75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 53.877 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU031195.D
 Acq: 14 Apr 2019 07:06

Tgt Ion: 75 Resp: 66086
 Ion Ratio Lower Upper
 75 100
 155 80.8 64.1 96.1
 157 105.5 80.6 120.8

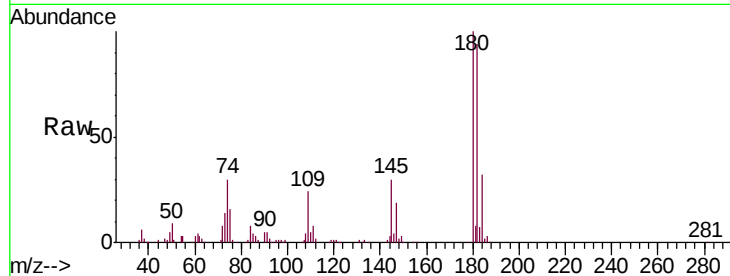




#67
 1,3,5-Trichlorobenzene
 Concen: 52.047 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU031195.D
 Acq: 14 Apr 2019 07:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05037

Tgt Ion:	180	Resp:	218799
Ion	Ratio	Lower	Upper
180	100		
182	94.5	78.3	117.5
184	30.4	24.7	37.1
145	28.8	24.2	36.4



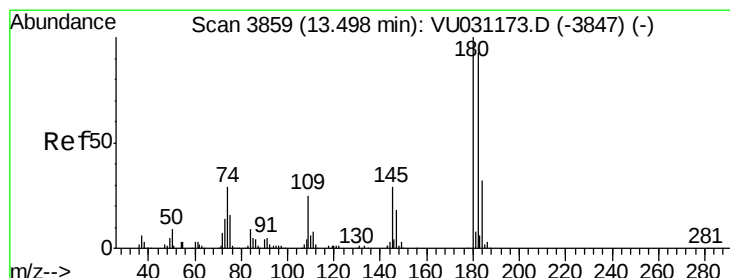
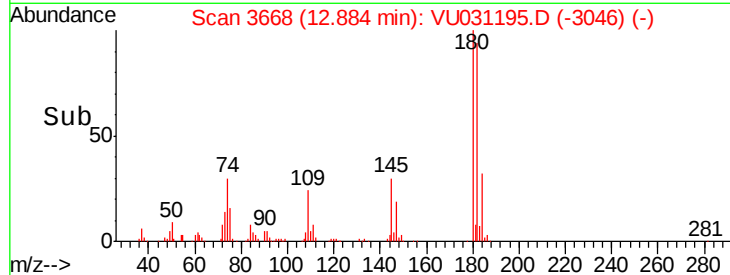
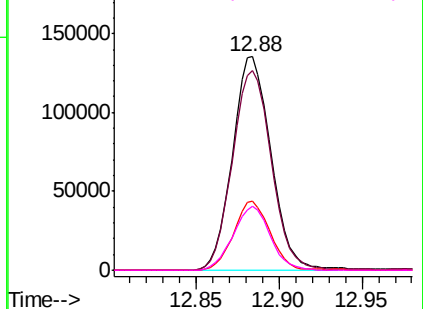
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

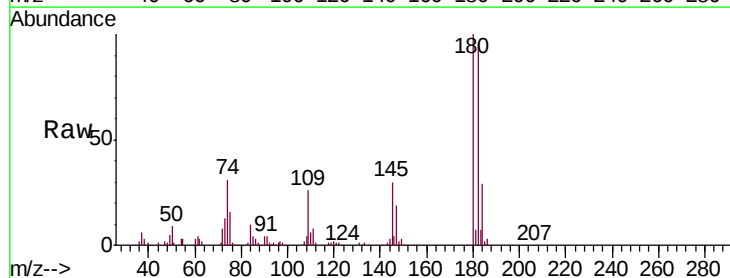
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 50.065 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU031195.D
 Acq: 14 Apr 2019 07:06

Tgt Ion:	180	Resp:	178945
Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.7	115.1
145	30.1	24.4	36.6

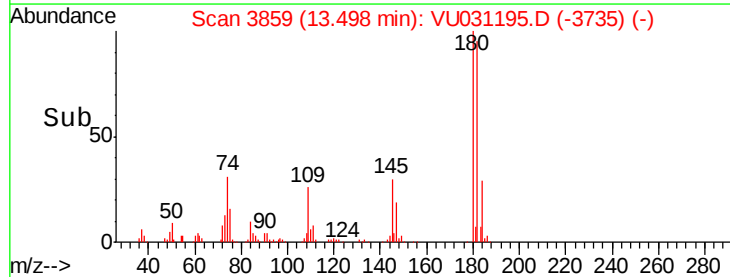
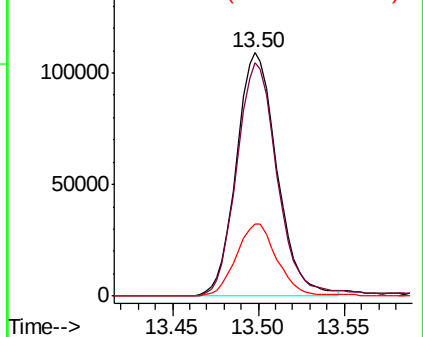


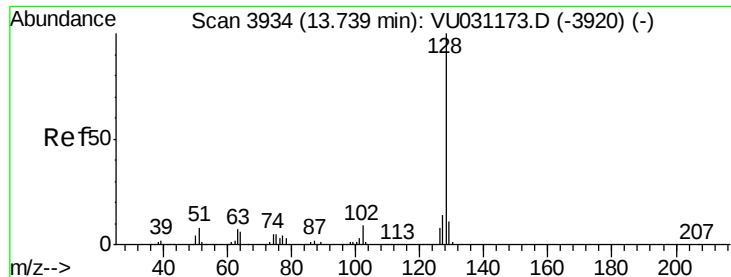
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 51.851 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU031195.D

Acq: 14 Apr 2019 07:06

Instrument :

MSVOA_U

ClientSampleId :

VSTD05037

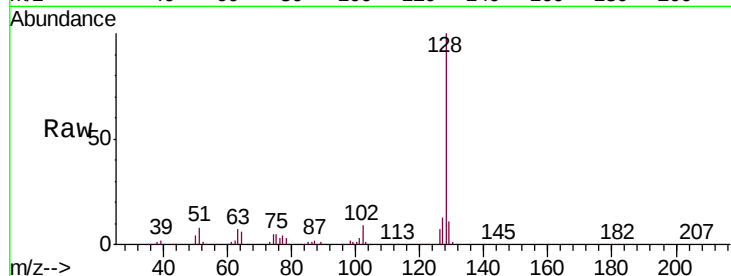
Tgt Ion:128 Resp: 600803

Ion Ratio Lower Upper

128 100

127 13.6 10.4 15.6

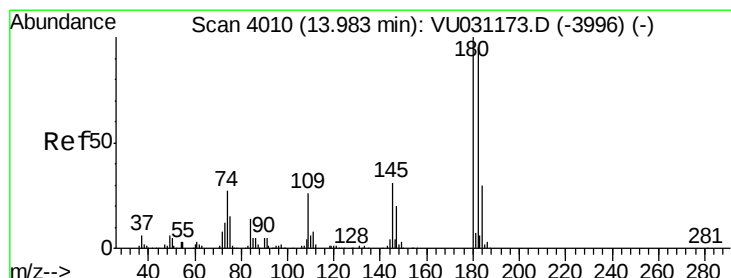
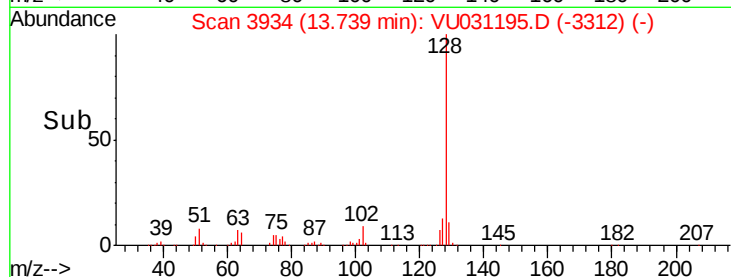
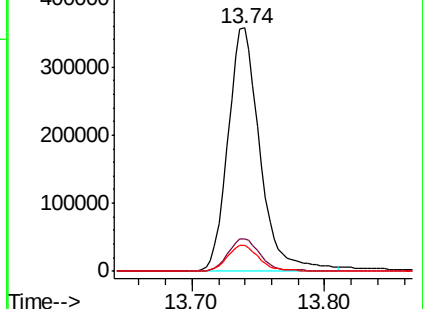
129 10.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 53.741 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU031195.D

Acq: 14 Apr 2019 07:06

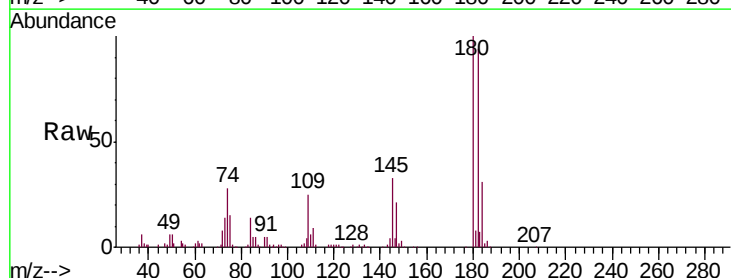
Tgt Ion:180 Resp: 200690

Ion Ratio Lower Upper

180 100

182 95.4 78.1 117.1

145 32.4 26.6 40.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

