

Data File : VU031762.D
Acq On : 03 May 2019 19:56
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05034

Quant Time: May 04 02:41:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Sat May 04 02:35:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	763428	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	727521	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	331208	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	275432	43.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.22%
7) Chloroethane-d5	1.68	69	227154	46.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.02%
11) 1,1-Dichloroethene-d2	2.27	63	570504	44.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.68%
21) 2-Butanone-d5	4.19	46	669736	115.69	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.69%
24) Chloroform-d	4.64	84	540505	46.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.38%
26) 1,2-Dichloroethane-d4	5.31	65	355058	46.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.88%
32) Benzene-d6	5.34	84	1023195	45.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.60%
36) 1,2-Dichloropropane-d6	6.32	67	368653	46.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.80%
41) Toluene-d8	7.56	98	850000	43.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.36%
43) trans-1,3-Dichloropropene-	7.85	79	156467	46.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.76%
47) 2-Hexanone-d5	8.31	63	399105	117.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.32%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	526462	49.91	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.82%
64) 1,2-Dichlorobenzene-d4	11.86	152	301577	43.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	367695	43.799	ug/L	100
3) Chloromethane	1.32	50	460460	45.334	ug/L	99
5) Vinyl chloride	1.40	62	428621	45.136	ug/L	100
6) Bromomethane	1.63	94	215736	43.079	ug/L	100
8) Chloroethane	1.70	64	241524	46.529	ug/L	98
9) Trichlorofluoromethane	1.88	101	484438	44.750	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	277500	45.347	ug/L	99
12) 1,1-Dichloroethene	2.28	96	276914	46.490	ug/L	98
13) Acetone	2.34	43	525703	80.618	ug/L	98
14) Carbon disulfide	2.48	76	839447	42.471	ug/L	100
15) Methyl Acetate	2.62	43	524981	53.206	ug/L	100
16) Methylene chloride	2.70	84	341341	48.560	ug/L	94
17) trans-1,2-Dichloroethene	2.98	96	292529	47.133	ug/L	98
18) Methyl tert-butyl Ether	2.99	73	1081044	54.671	ug/L	99
19) 1,1-Dichloroethane	3.44	63	662127	50.657	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	333444	50.085	ug/L	92
22) 2-Butanone	4.27	43	788095	109.086	ug/L	99

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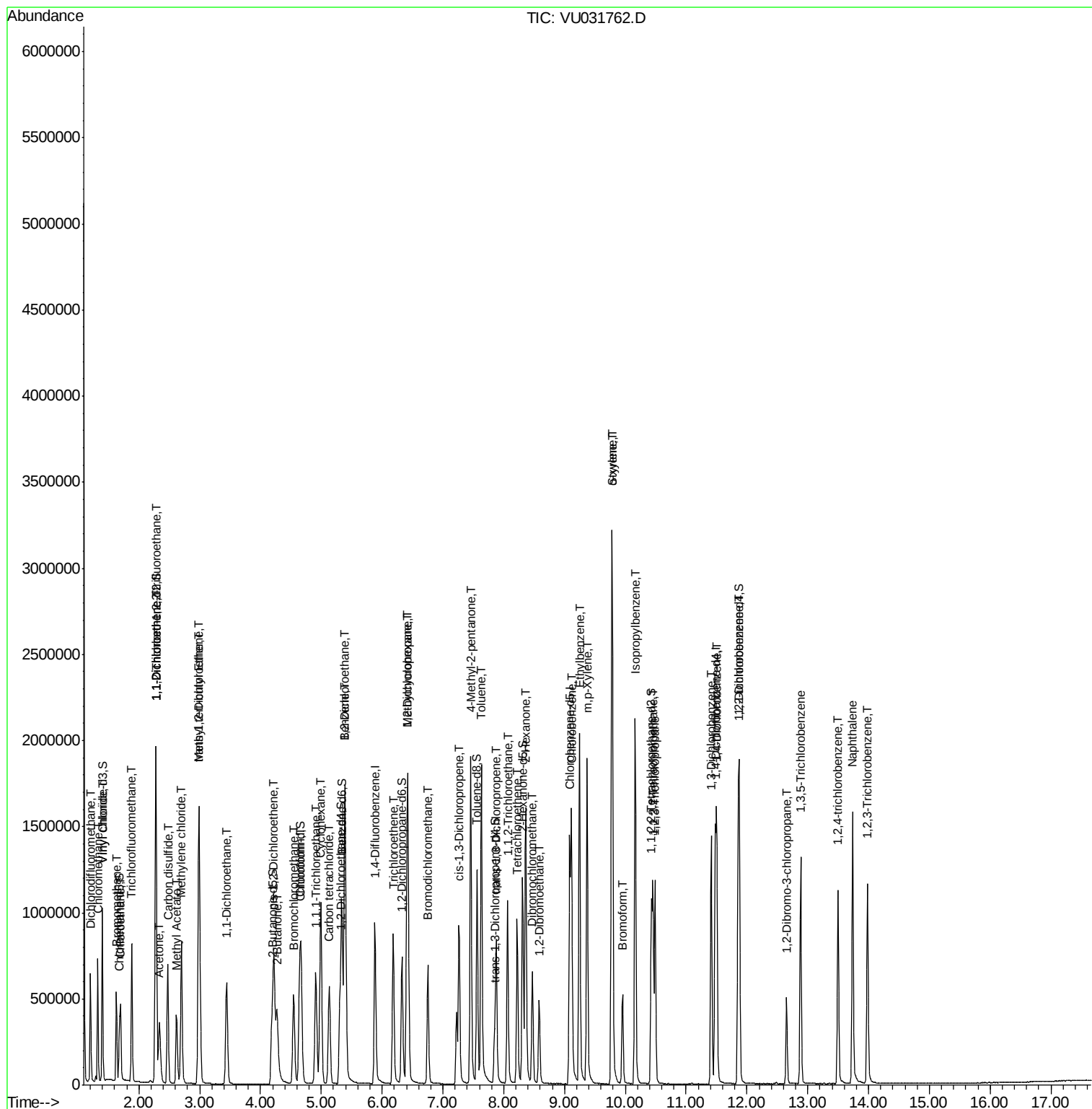
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	156138	48.265	ug/L	95
25) Chloroform	4.67	83	612452	49.000	ug/L	99
27) 1,2-Dichloroethane	5.40	62	512470	50.477	ug/L	98
29) Cyclohexane	4.99	56	593561	51.550	ug/L	100
30) 1,1,1-Trichloroethane	4.91	97	488438	47.917	ug/L	99
31) Carbon tetrachloride	5.13	117	406607	46.669	ug/L	100
33) Benzene	5.39	78	1356608	50.718	ug/L	100
34) Trichloroethene	6.18	95	326286	50.323	ug/L	96
35) Methylcyclohexane	6.41	83	493037	50.739	ug/L	99
37) 1,2-Dichloropropane	6.43	63	396114	52.165	ug/L	99
38) Bromodichloromethane	6.75	83	456175	49.546	ug/L	96
39) cis-1,3-Dichloropropene	7.27	75	551691	54.983	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	1383008	118.378	ug/L	98
42) Toluene	7.63	91	1387146	52.061	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	476639	52.374	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	328763	52.517	ug/L	99
46) Tetrachloroethene	8.22	164	211333	47.810	ug/L	96
48) 2-Hexanone	8.36	43	1115224	118.025	ug/L	98
49) Dibromochloromethane	8.47	129	322534	49.518	ug/L	99
50) 1,2-Dibromoethane	8.58	107	339171	51.300	ug/L	99
51) Chlorobenzene	9.12	112	799863	50.800	ug/L	98
52) Ethylbenzene	9.25	91	1486083	53.768	ug/L	99
53) m,p-Xylene	9.37	106	503652	52.302	ug/L	99
54) o-xylene	9.77	106	524590	54.949	ug/L	99
55) Styrene	9.79	104	894351	54.833	ug/L	99
56) Isopropylbenzene	10.16	105	1371089	54.616	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	583985	52.571	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	485162	53.889	ug/L	98
61) Bromoform	9.95	173	226704	46.175	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	547264	49.916	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	555196	48.897	ug/L	97
65) 1,2-Dichlorobenzene	11.87	146	568559	48.795	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	134651	49.792	ug/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	379670	46.236	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	322836	49.661	ug/L	98
69) Naphthalene	13.74	128	1235183	55.728	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	346596	46.830	ug/L	99

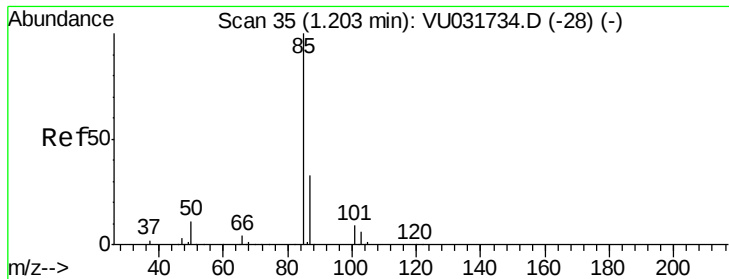
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 43.799 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031762.D

Acq: 03 May 2019 19:56

Instrument :

MSVOA_U

ClientSampleId :

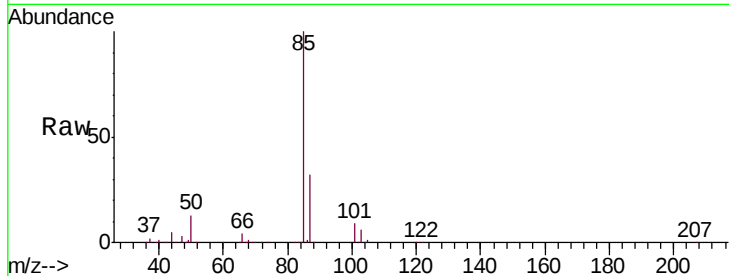
VSTD05034

Tgt Ion: 85 Resp: 367695

Ion Ratio Lower Upper

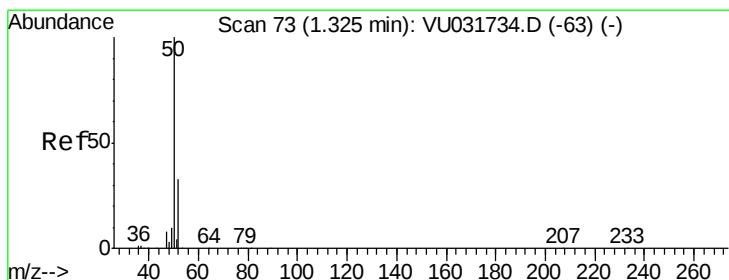
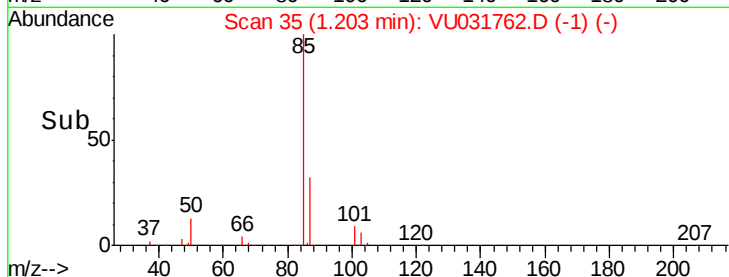
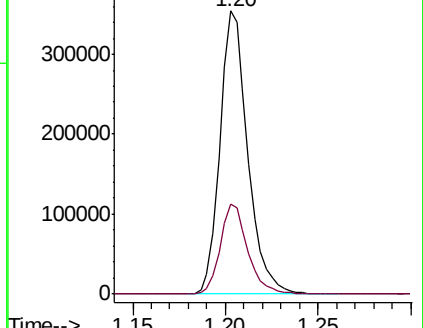
85 100

87 31.5 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU031734.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU031734.D (-28) (-)



#3

Chloromethane

Concen: 45.334 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU031762.D

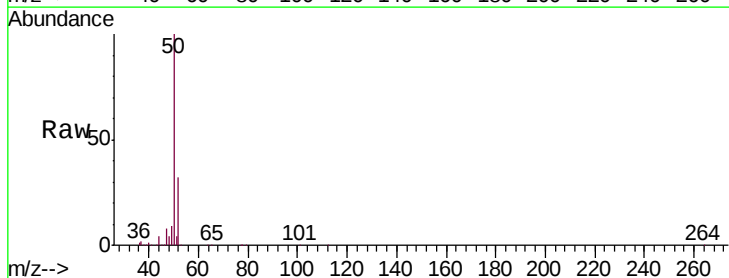
Acq: 03 May 2019 19:56

Tgt Ion: 50 Resp: 460460

Ion Ratio Lower Upper

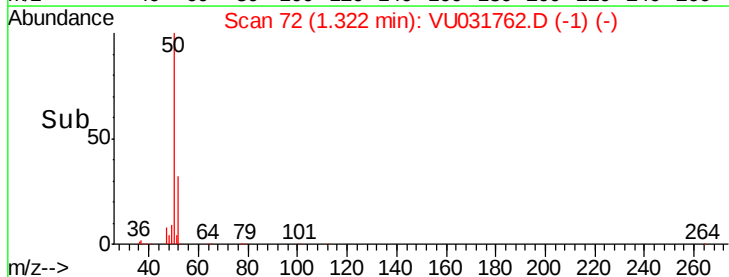
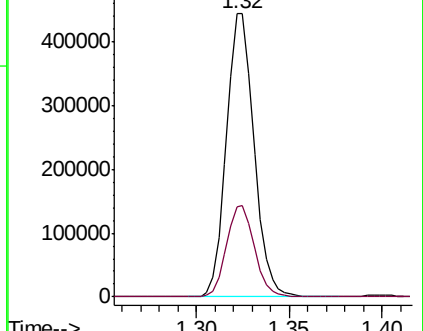
50 100

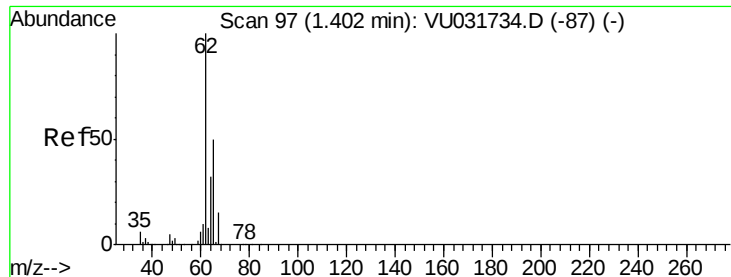
52 32.0 22.6 42.0



Abundance Ion 50.00 (49.70 to 50.70): VU031734.D (-63) (-)

Ion 52.00 (51.70 to 52.70): VU031734.D (-63) (-)





#5

Vinyl chloride

Concen: 45.136 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU031762.D

Acq: 03 May 2019 19:56

Instrument :

MSVOA_U

ClientSampleId :

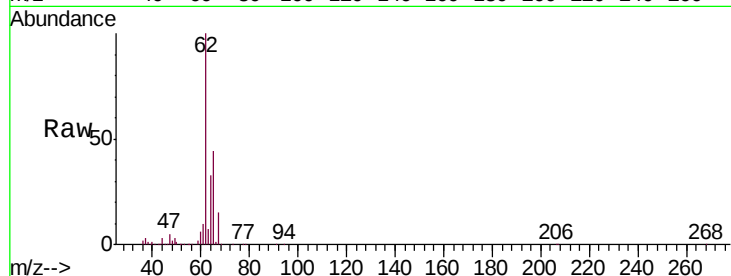
VSTD05034

Tgt Ion: 62 Resp: 428621

Ion Ratio Lower Upper

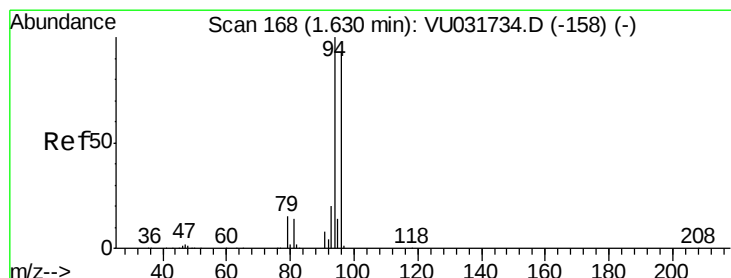
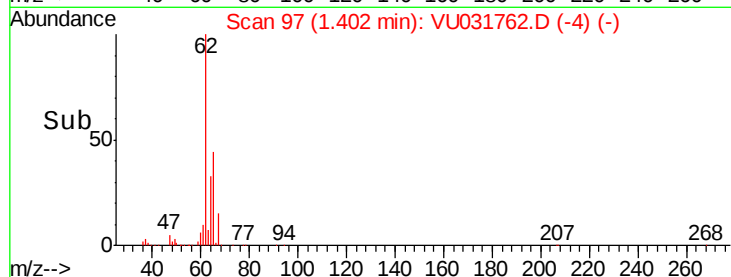
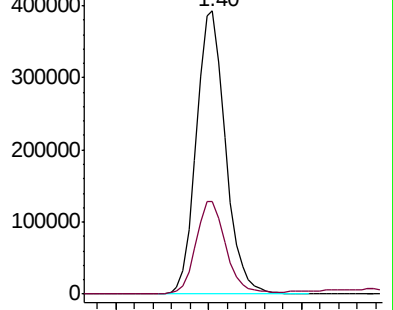
62 100

64 32.9 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU031734.D (-87) (-)

Ion 64.00 (63.70 to 64.70): VU031734.D (-87) (-)



#6

Bromomethane

Concen: 43.079 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU031762.D

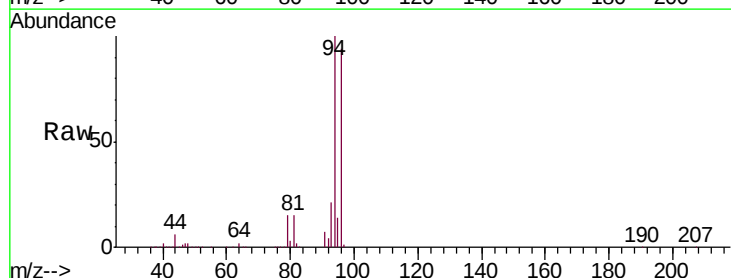
Acq: 03 May 2019 19:56

Tgt Ion: 94 Resp: 215736

Ion Ratio Lower Upper

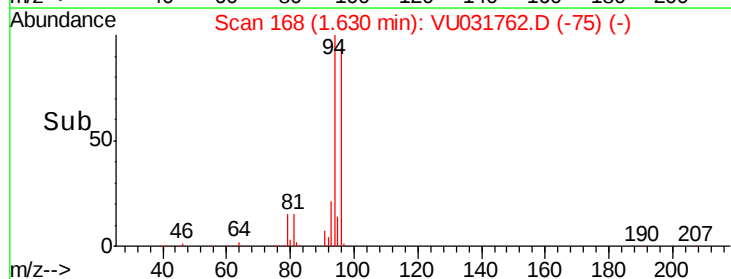
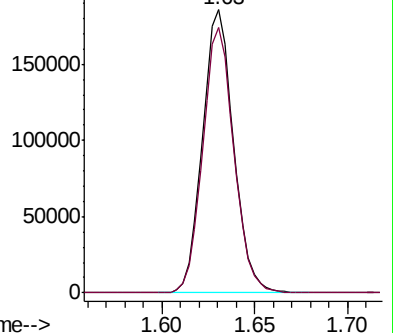
94 100

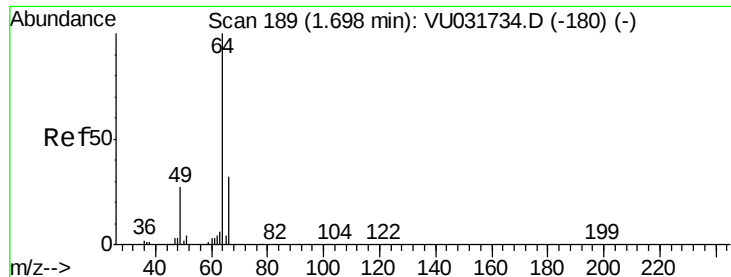
96 93.8 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VU031734.D (-158) (-)

Ion 96.00 (95.70 to 96.70): VU031734.D (-158) (-)





#8

Chloroethane

Concen: 46.529 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU031762.D

Acq: 03 May 2019 19:56

Instrument :

MSVOA_U

ClientSampleId :

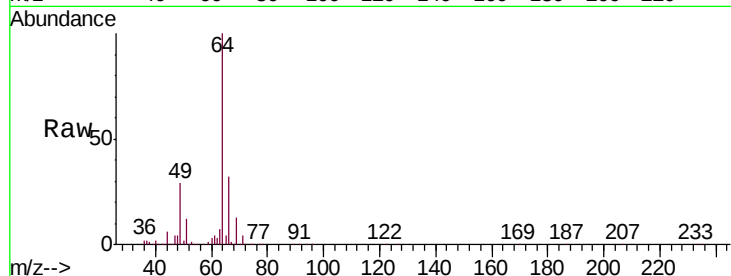
VSTD05034

Tgt Ion: 64 Resp: 241524

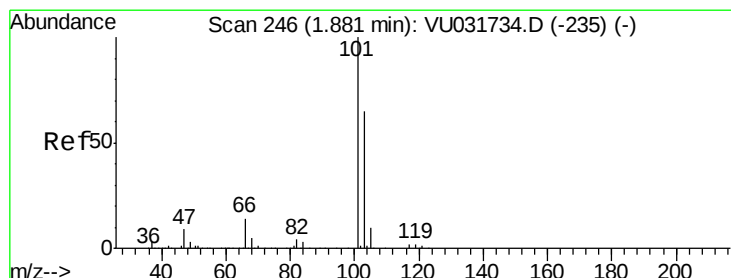
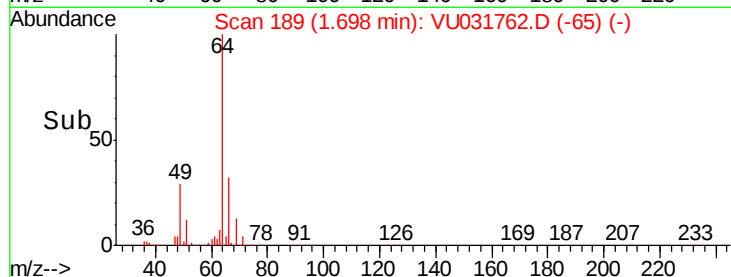
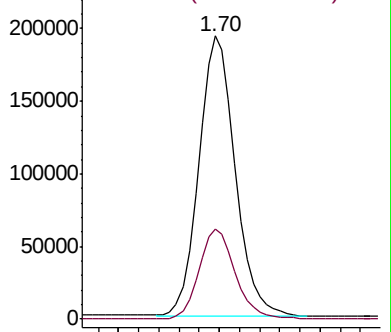
Ion Ratio Lower Upper

64 100

66 32.0 23.2 43.0



Abundance Ion 64.00 (63.70 to 64.70): VU031762.D (-65) (-)



#9

Trichlorofluoromethane

Concen: 44.750 ug/L

RT: 1.88 min Scan# 247

Delta R.T. 0.00 min

Lab File: VU031762.D

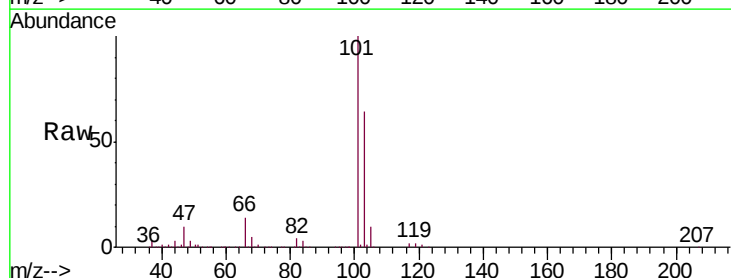
Acq: 03 May 2019 19:56

Tgt Ion: 101 Resp: 484438

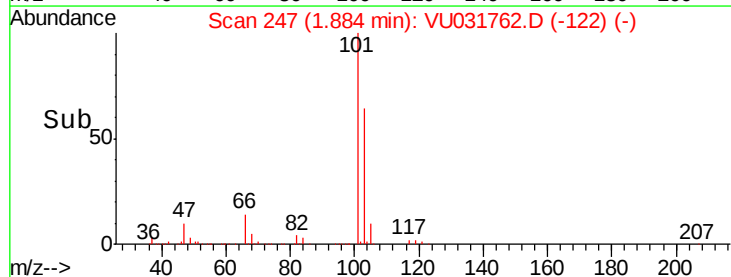
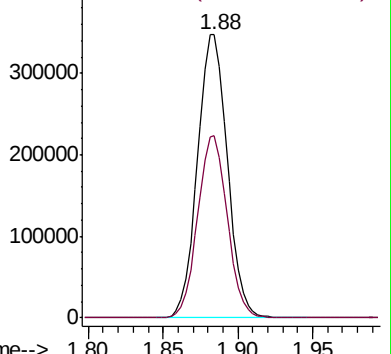
Ion Ratio Lower Upper

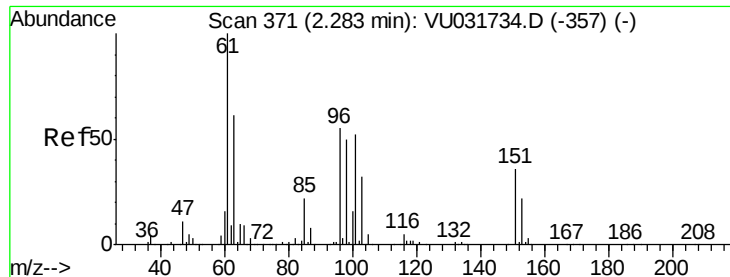
101 100

103 63.7 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): VU031762.D (-122) (-)





#10

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

Concen: 45.347 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU031762.D

Acq: 03 May 2019 19:56

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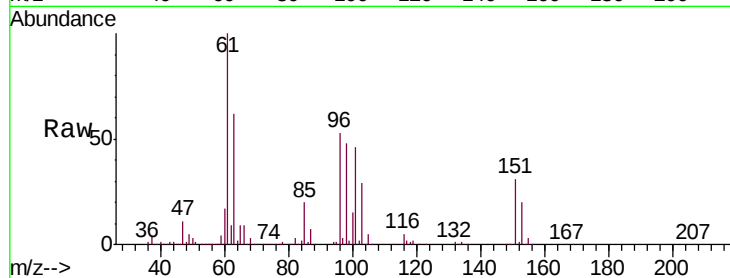
Tgt Ion: 101 Resp: 277500

Ion Ratio Lower Upper

101 100

85 45.2 36.1 54.1

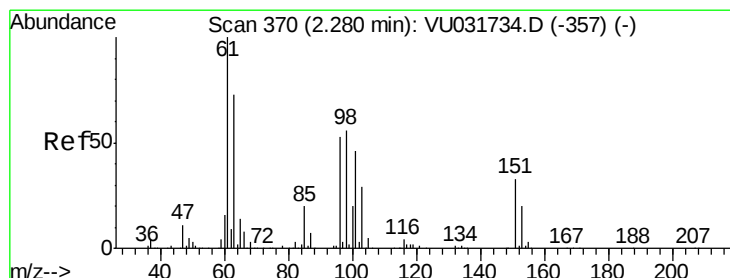
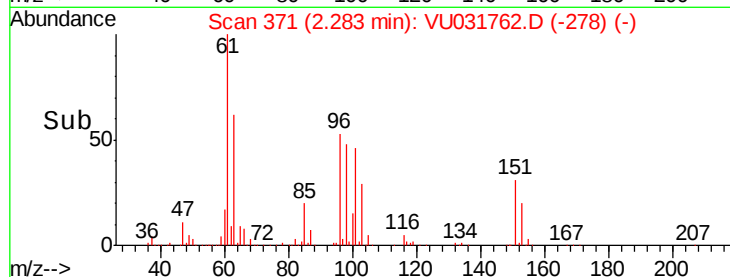
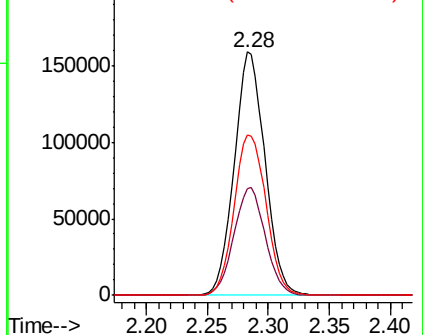
151 68.4 56.1 84.1



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: 46.490 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU031762.D

Acq: 03 May 2019 19:56

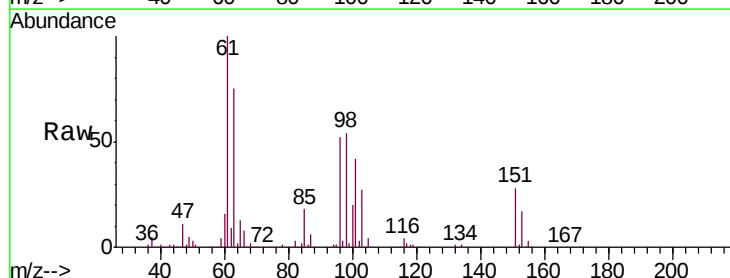
Tgt Ion: 96 Resp: 276914

Ion Ratio Lower Upper

96 100

61 190.9 135.0 250.6

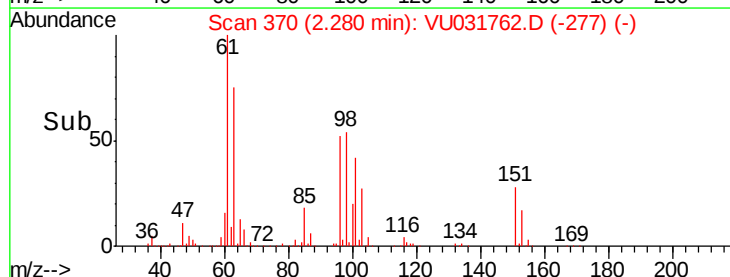
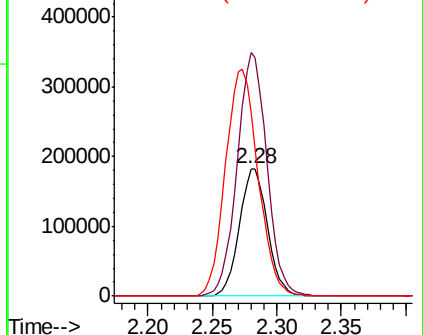
63 144.1 103.5 192.3

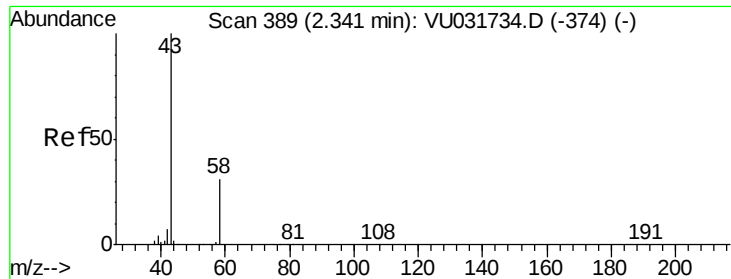


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 80.618 ug/L

RT: 2.34 min Scan# 388

Delta R.T. -0.00 min

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ClientSampleId :

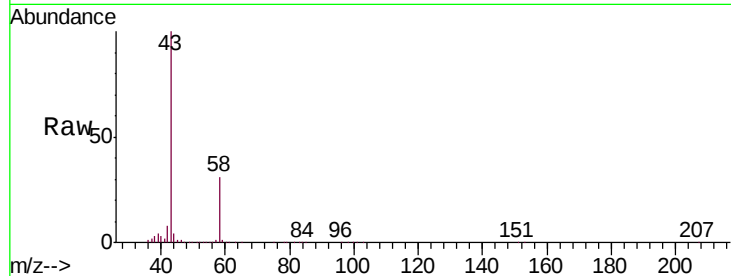
VSTD05034

Tgt Ion: 43 Resp: 525703

Ion Ratio Lower Upper

43 100

58 31.2 0.0 64.4



Abundance Ion 43.00 (42.70 to 43.70): VU031734.D (-374) (-)

Ion 58.00 (57.70 to 58.70): VU031734.D (-374) (-)

2.34

250000

200000

150000

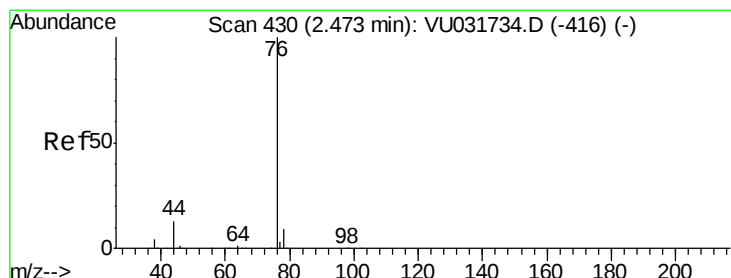
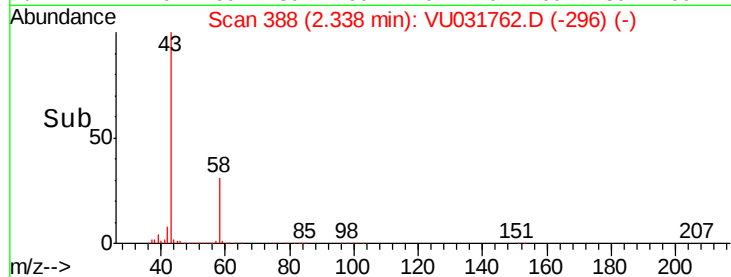
100000

50000

0

2.30 2.40

Time-->



#14

Carbon disulfide

Concen: 42.471 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU031762.D

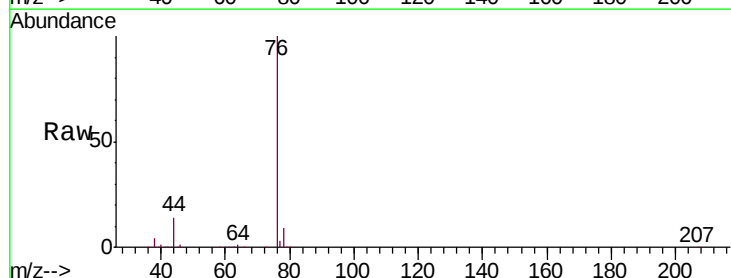
Acq: 03 May 2019 19:56

Tgt Ion: 76 Resp: 839447

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU031734.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU031734.D (-416) (-)

2.48

600000

500000

400000

300000

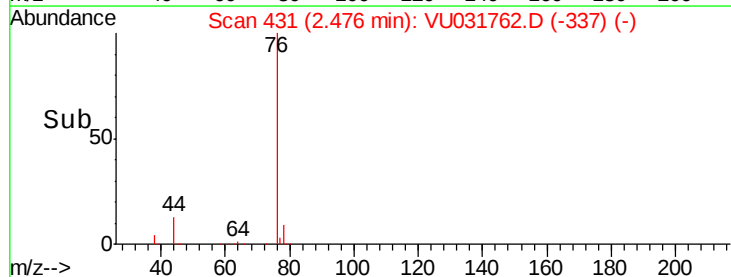
200000

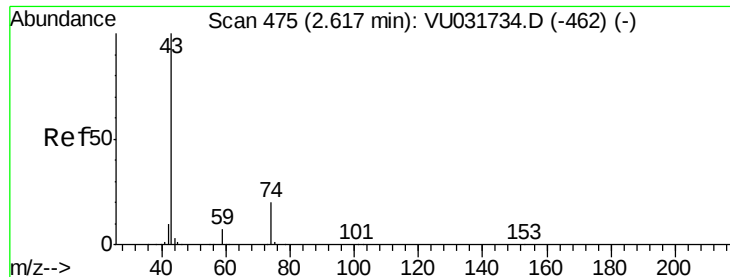
100000

0

2.40 2.45 2.50 2.55 2.60

Time-->

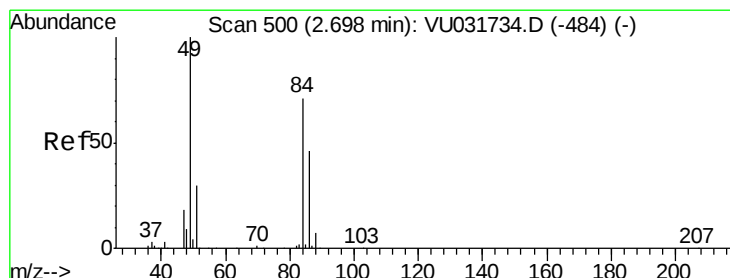
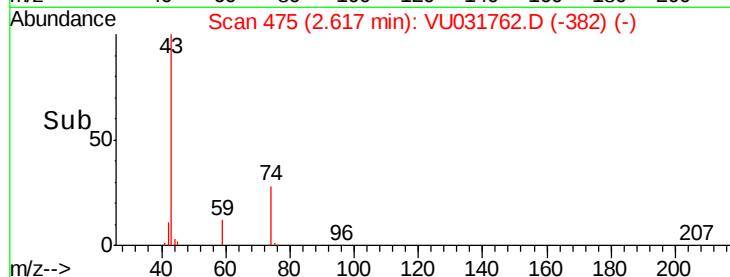
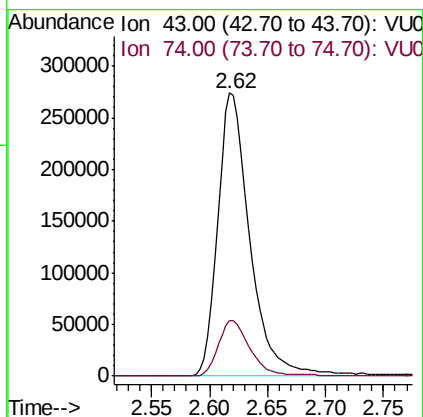
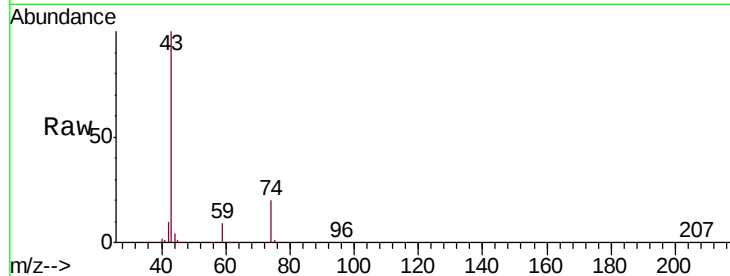




#15
Methyl Acetate
Concen: 53.206 ug/L
RT: 2.62 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU031762.D
Acq: 03 May 2019 19:56

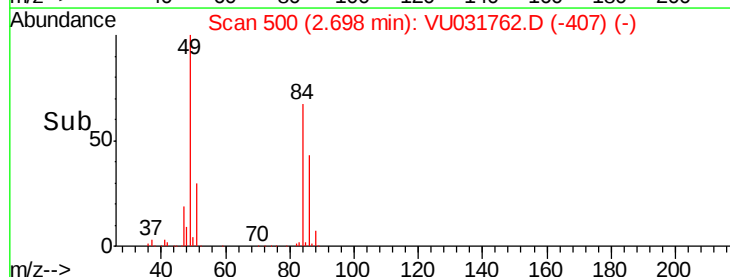
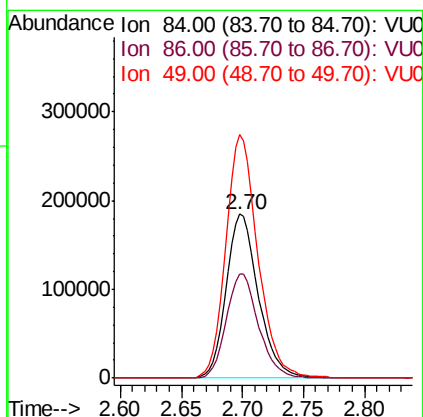
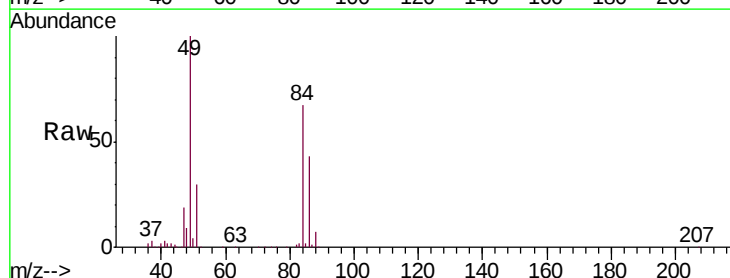
Instrument :
MSVOA_U
ClientSampleId :
VSTD05034

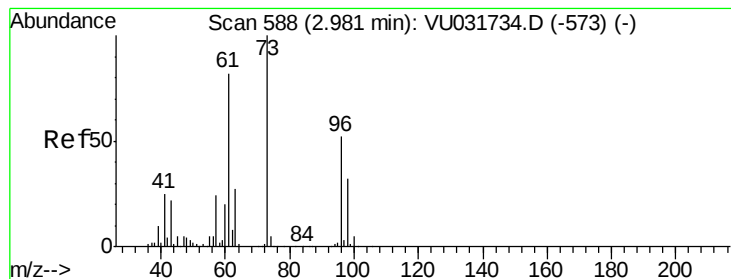
Tgt Ion: 43 Resp: 524981
Ion Ratio Lower Upper
43 100
74 19.5 15.7 23.5



#16
Methylene chloride
Concen: 48.560 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU031762.D
Acq: 03 May 2019 19:56

Tgt Ion: 84 Resp: 341341
Ion Ratio Lower Upper
84 100
86 63.7 44.7 83.1
49 148.5 96.5 179.3





#17

trans-1,2-Dichloroethene

Concen: 47.133 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU031762.D

Acq: 03 May 2019 19:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD05034

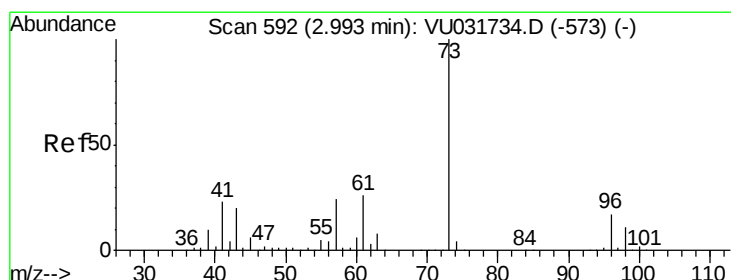
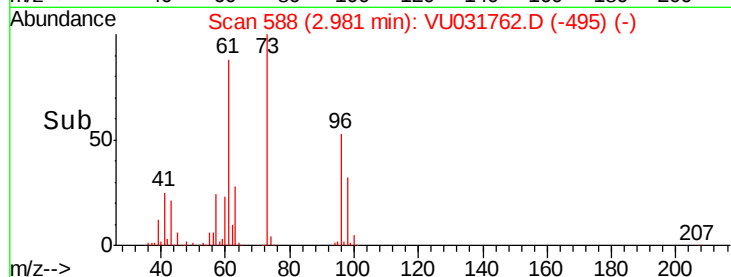
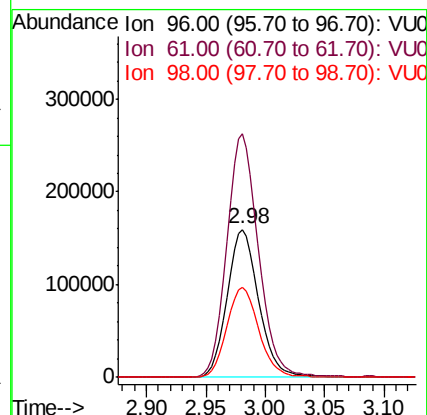
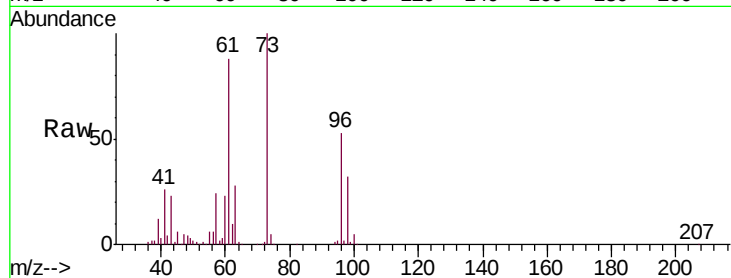
Tgt Ion: 96 Resp: 292529

Ion Ratio Lower Upper

96 100

61 164.7 114.5 212.7

98 61.1 45.4 84.2



#18

Methyl tert-butyl Ether

Concen: 54.671 ug/L

RT: 2.99 min Scan# 592

Delta R.T. 0.00 min

Lab File: VU031762.D

Acq: 03 May 2019 19:56

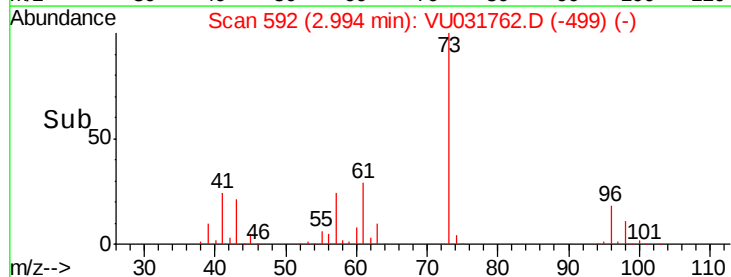
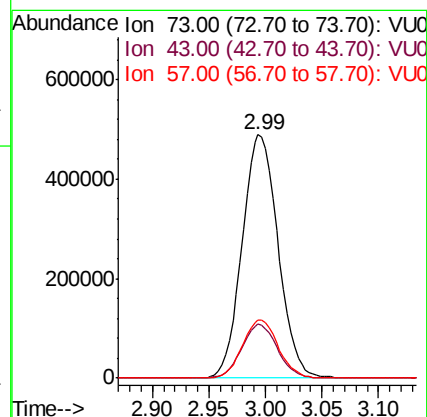
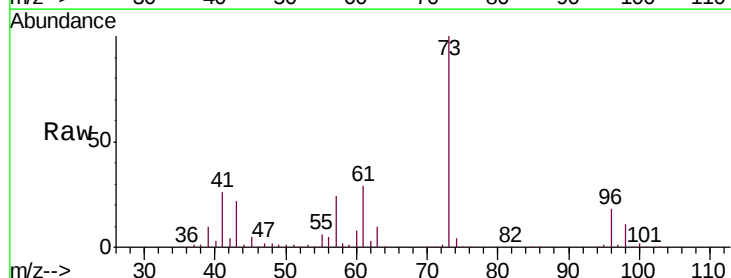
Tgt Ion: 73 Resp: 1081044

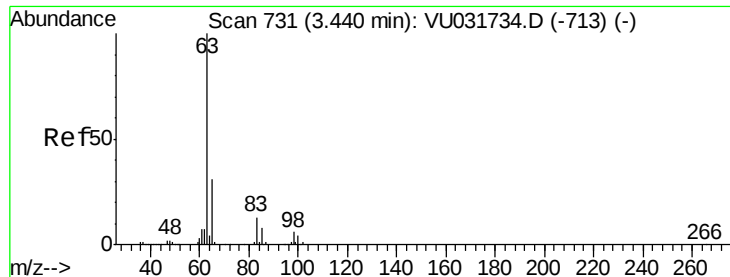
Ion Ratio Lower Upper

73 100

43 21.8 17.0 25.4

57 23.9 19.5 29.3





#19

1,1-Dichloroethane

Concen: 50.657 ug/L

RT: 3.44 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU031762.D

Acq: 03 May 2019 19:56

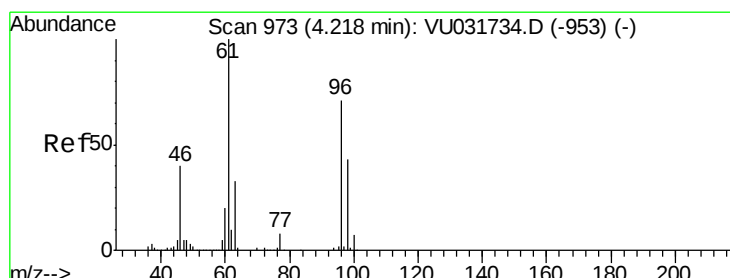
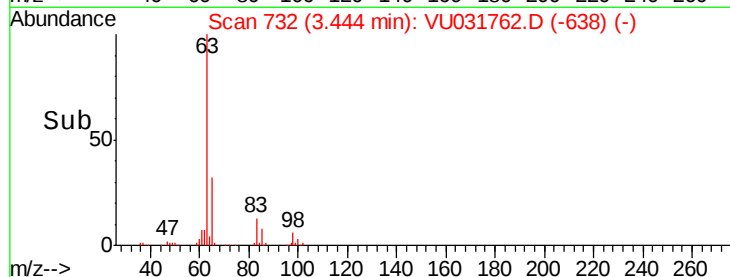
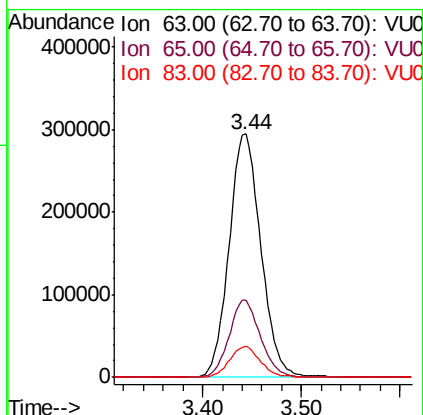
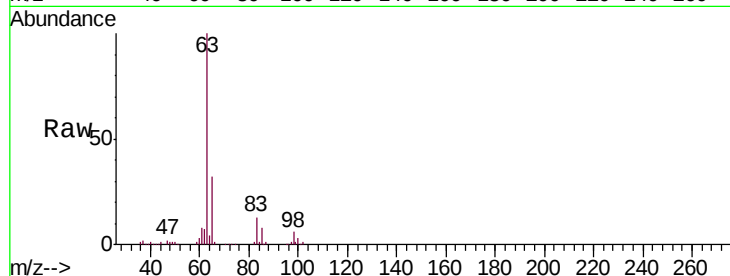
Instrument :

MSVOA_U

ClientSampleId :

VSTD05034

Tgt Ion:	63	Resp:	662127
Ion	Ratio	Lower	Upper
63	100		
65	31.8	22.0	40.8
83	13.0	8.8	16.4



#20

cis-1,2-Dichloroethene

Concen: 50.085 ug/L

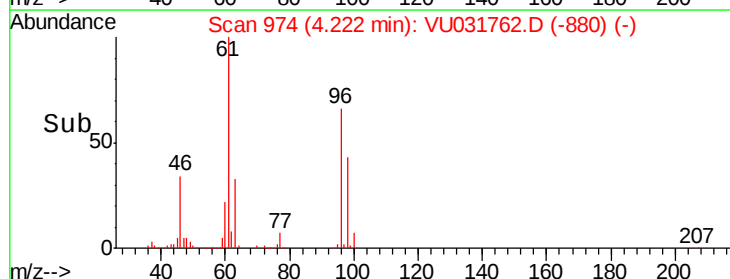
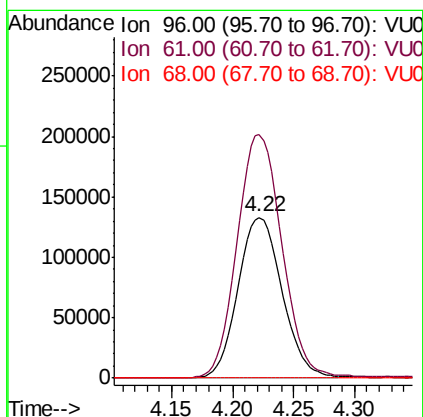
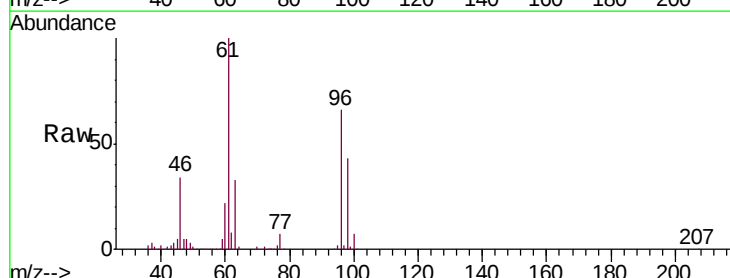
RT: 4.22 min Scan# 974

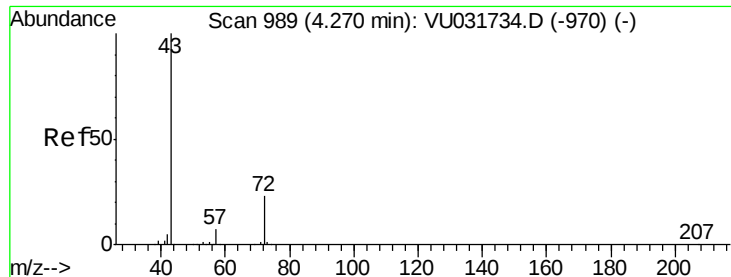
Delta R.T. 0.00 min

Lab File: VU031762.D

Acq: 03 May 2019 19:56

Tgt Ion:	96	Resp:	333444
Ion	Ratio	Lower	Upper
96	100		
61	151.7	99.5	184.7
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 109.086 ug/L

RT: 4.27 min Scan# 989

Delta R.T. 0.00 min

Lab File: VU031762.D

Acq: 03 May 2019 19:56

Instrument :

MSVOA_U

ClientSampleId :

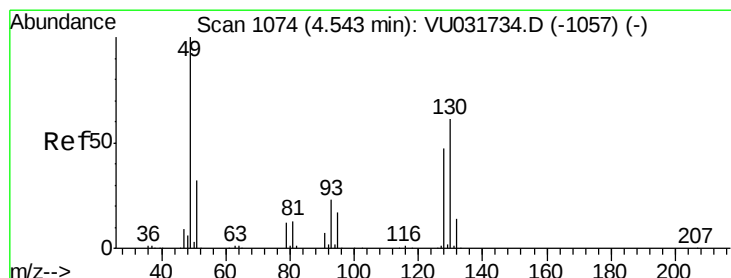
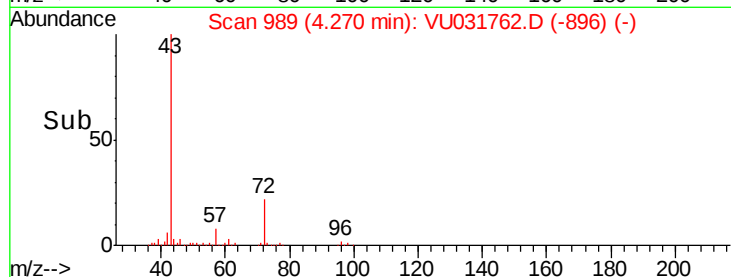
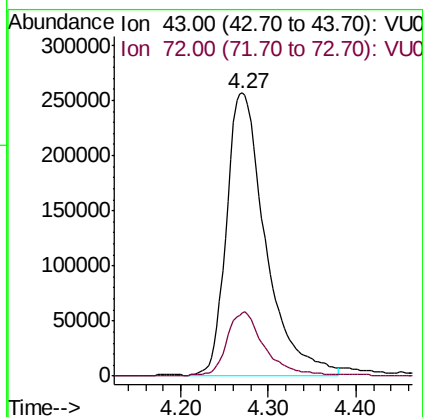
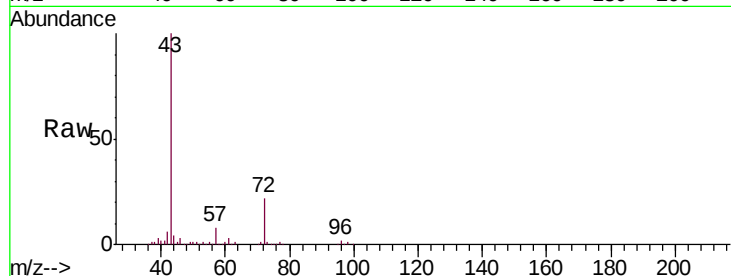
VSTD05034

Tgt Ion: 43 Resp: 788095

Ion Ratio Lower Upper

43 100

72 22.3 11.4 34.2



#23

Bromochloromethane

Concen: 48.265 ug/L

RT: 4.55 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VU031762.D

Acq: 03 May 2019 19:56

Tgt Ion: 128 Resp: 156138

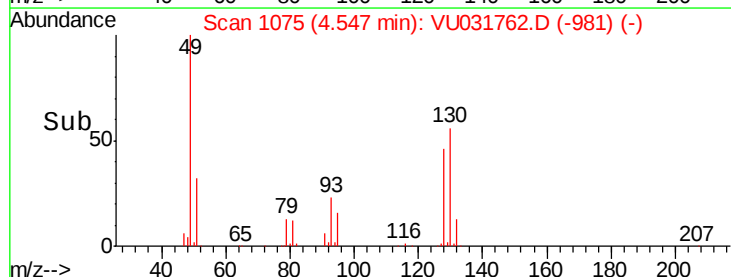
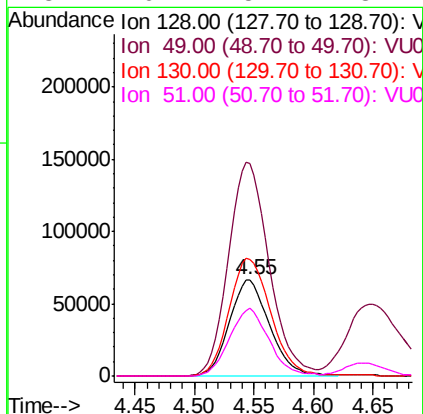
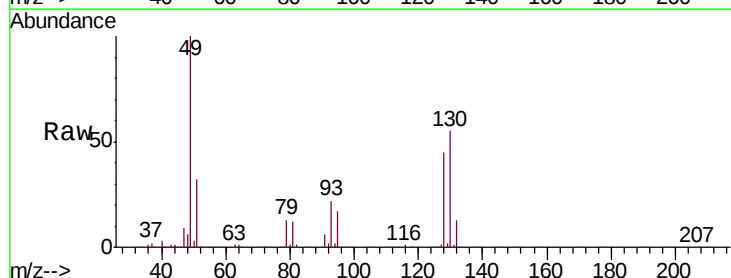
Ion Ratio Lower Upper

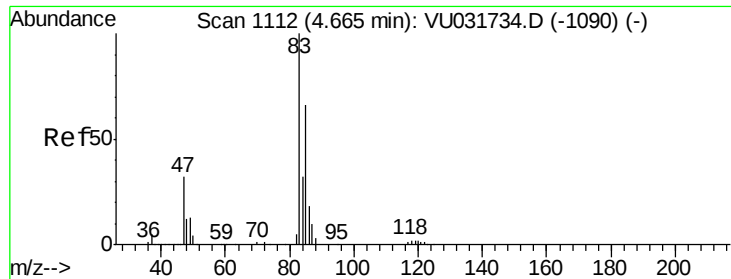
128 100

49 221.2 152.6 283.4

130 121.0 93.7 173.9

51 70.1 54.2 81.4

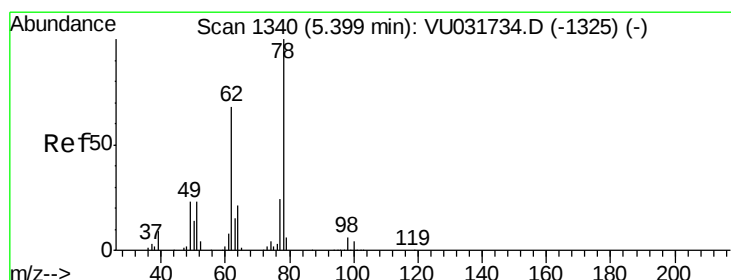
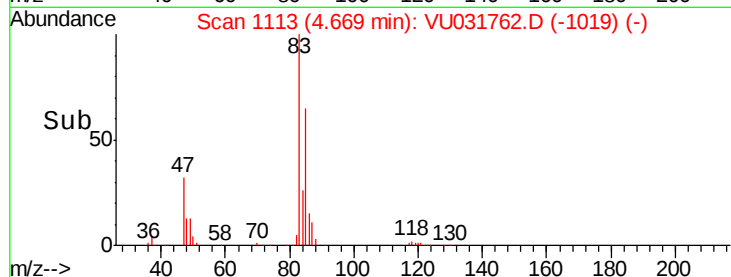
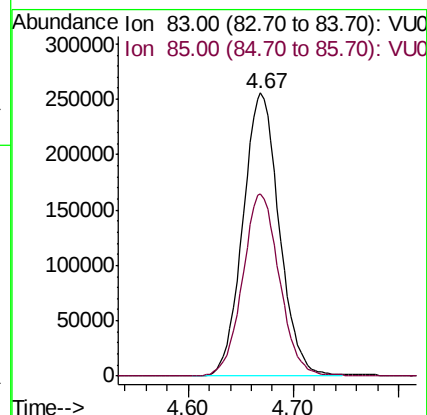
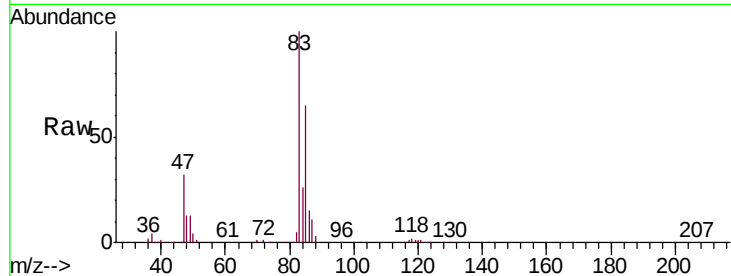




#25
Chloroform
Concen: 49.000 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU031762.D
Acq: 03 May 2019 19:56

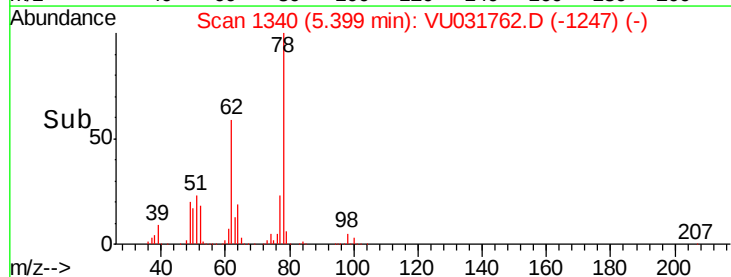
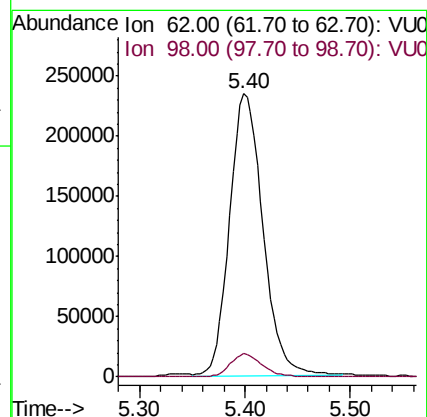
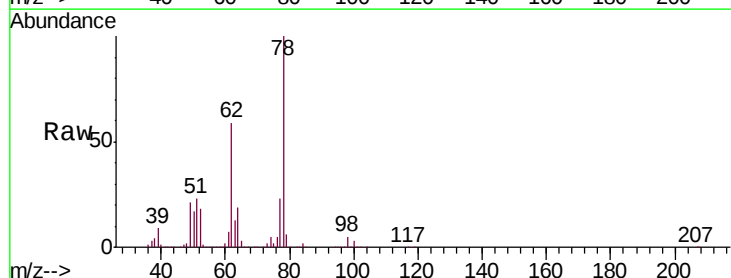
Instrument :
MSVOA_U
ClientSampleId :
VSTD05034

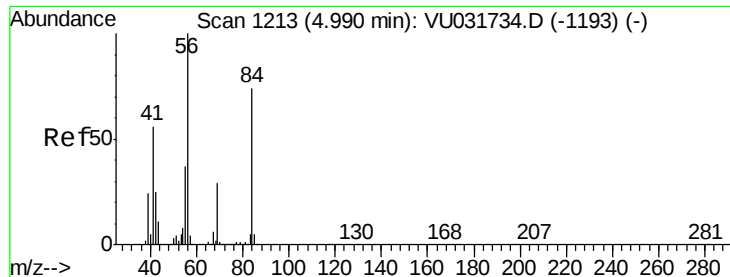
Tgt Ion: 83 Resp: 612452
Ion Ratio Lower Upper
83 100
85 64.5 44.9 83.3



#27
1,2-Dichloroethane
Concen: 50.477 ug/L
RT: 5.40 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VU031762.D
Acq: 03 May 2019 19:56

Tgt Ion: 62 Resp: 512470
Ion Ratio Lower Upper
62 100
98 8.1 7.1 10.7





#29

Cyclohexane

Concen: 51.550 ug/L

RT: 4.99 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VU031762.D

Acq: 03 May 2019 19:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD05034

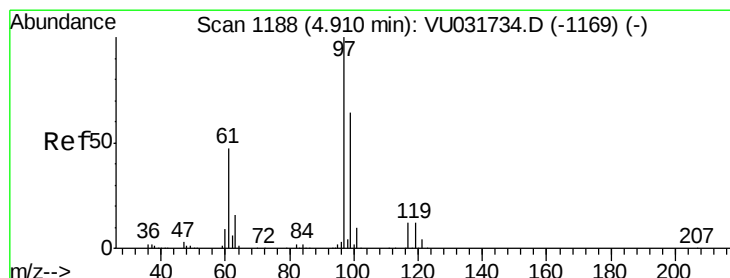
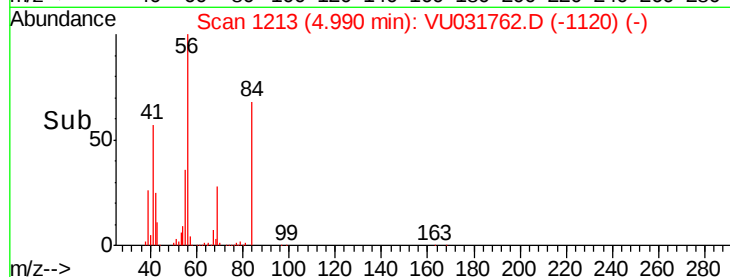
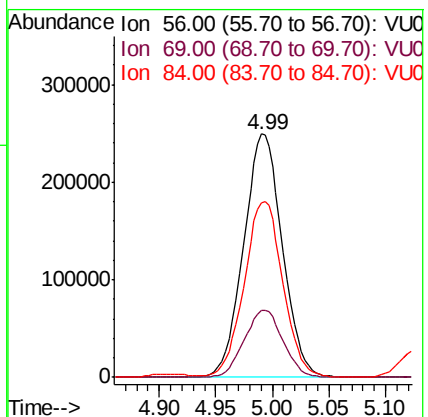
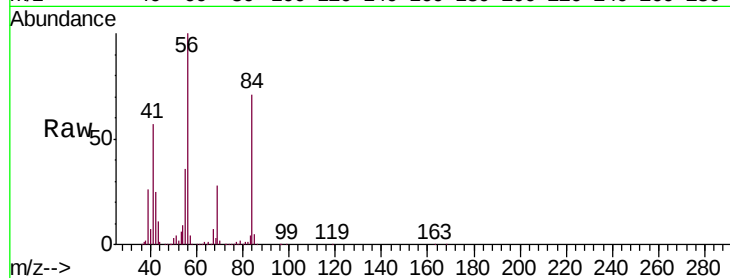
Tgt Ion: 56 Resp: 593561

Ion Ratio Lower Upper

56 100

69 27.6 22.3 33.5

84 72.1 57.5 86.3



#30

1,1,1-Trichloroethane

Concen: 47.917 ug/L

RT: 4.91 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU031762.D

Acq: 03 May 2019 19:56

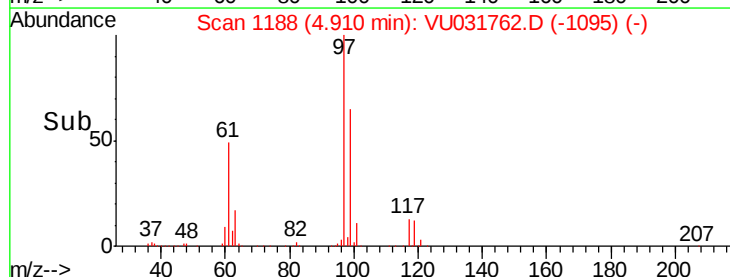
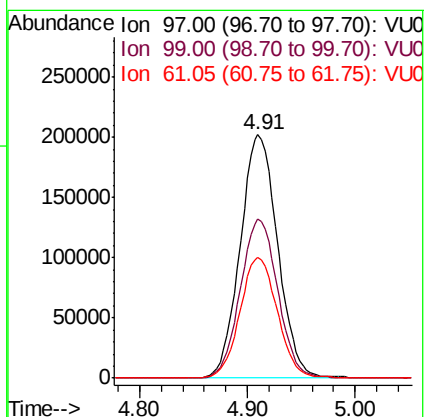
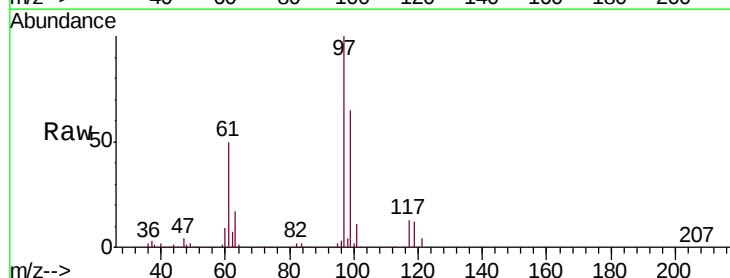
Tgt Ion: 97 Resp: 488438

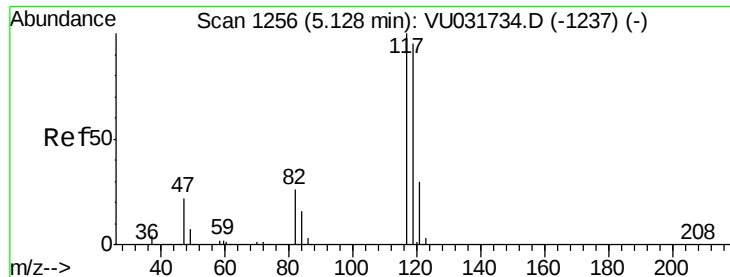
Ion Ratio Lower Upper

97 100

99 65.4 52.0 78.0

61 49.7 38.7 58.1

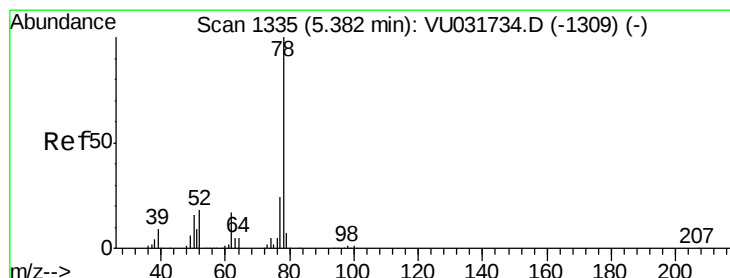
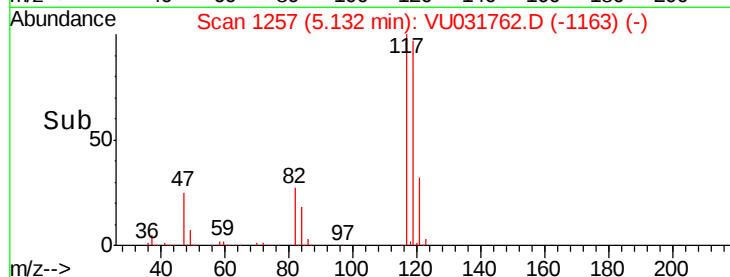
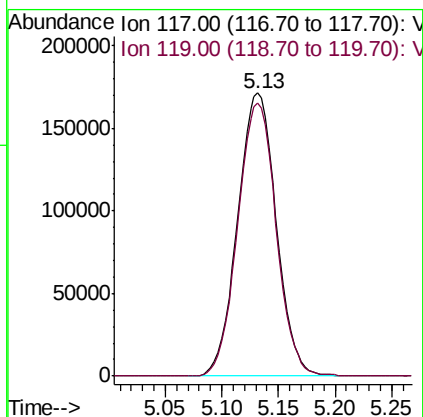
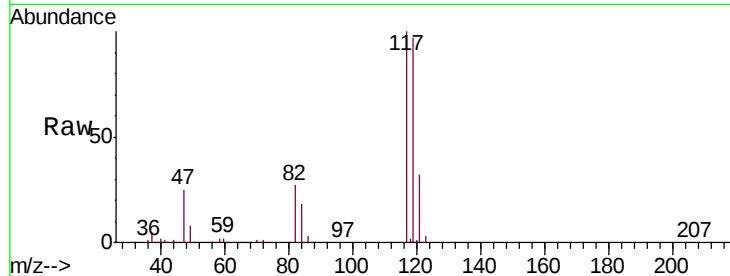




#31
Carbon tetrachloride
Concen: 46.669 ug/L
RT: 5.13 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VU031762.D
Acq: 03 May 2019 19:56

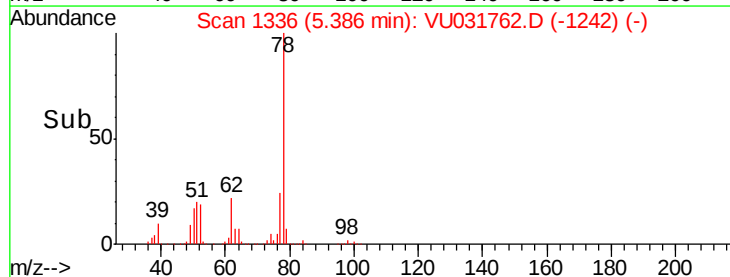
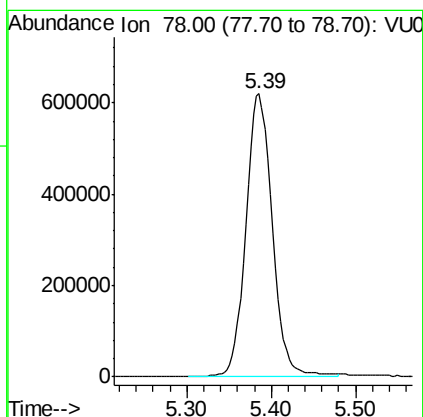
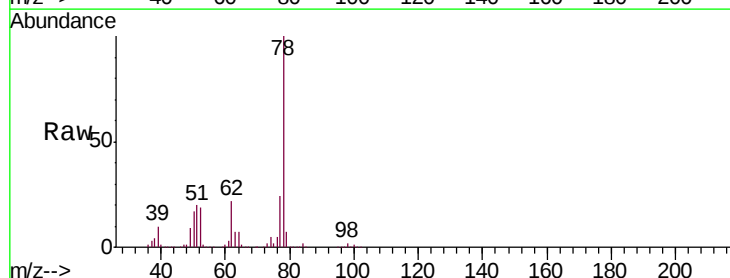
Instrument :
MSVOA_U
ClientSampleId :
VSTD05034

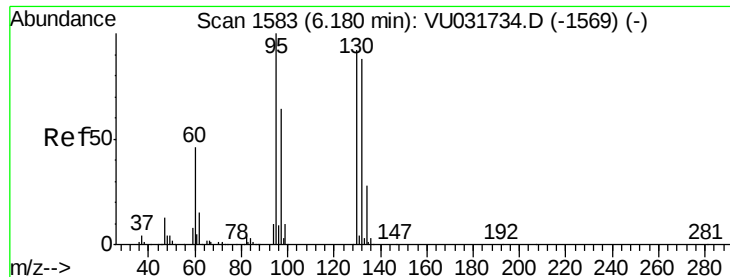
Tgt Ion:117 Resp: 406607
Ion Ratio Lower Upper
117 100
119 96.1 76.6 114.8



#33
Benzene
Concen: 50.718 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU031762.D
Acq: 03 May 2019 19:56

Tgt Ion: 78 Resp: 1356608

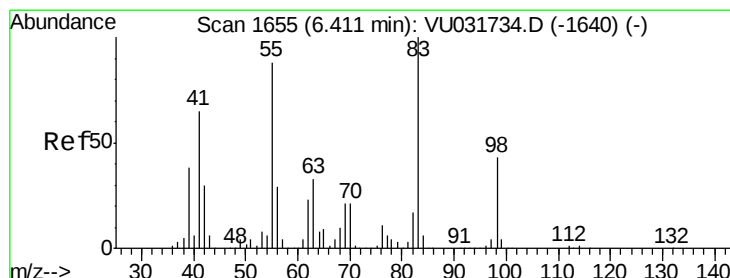
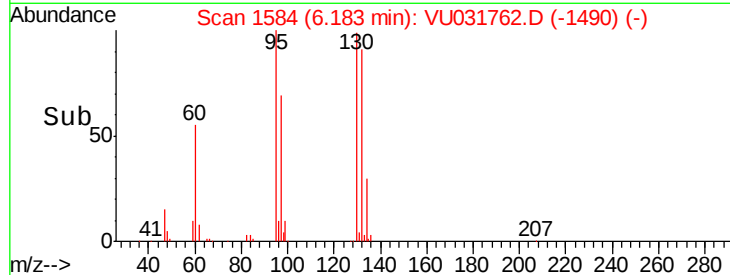
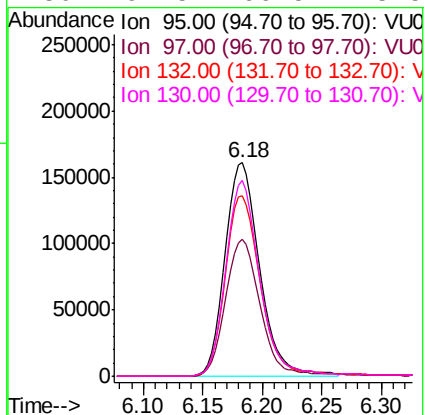
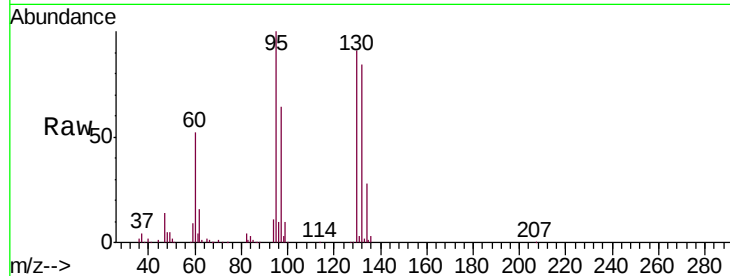




#34
 Trichloroethene
 Concen: 50.323 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU031762.D
 Acq: 03 May 2019 19:56

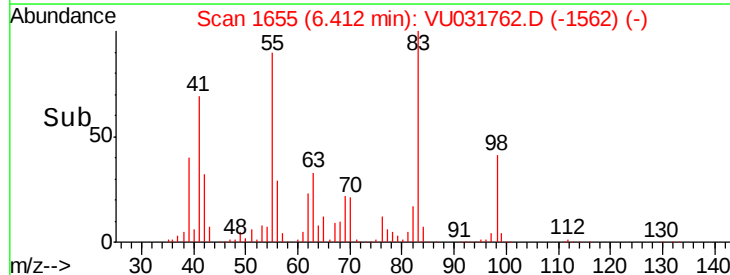
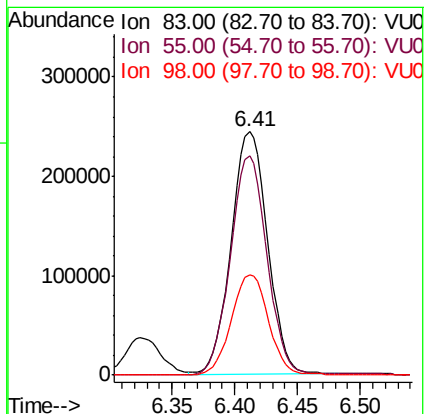
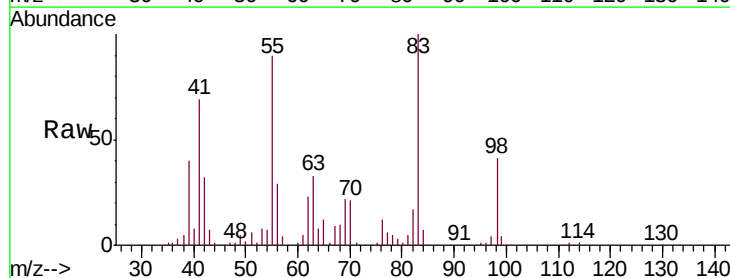
Instrument :
 MSVOA_U
 ClientSampleID :
 VSTD05034

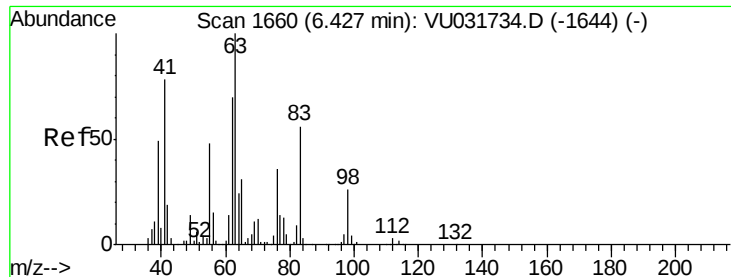
Tgt Ion:	95	Resp:	326286
Ion	Ratio	Lower	Upper
95	100		
97	64.1	44.8	83.2
132	84.5	63.1	117.1
130	91.5	66.5	123.5



#35
 Methylcyclohexane
 Concen: 50.739 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU031762.D
 Acq: 03 May 2019 19:56

Tgt Ion:	83	Resp:	493037
Ion	Ratio	Lower	Upper
83	100		
55	91.0	73.0	109.4
98	42.1	35.3	52.9

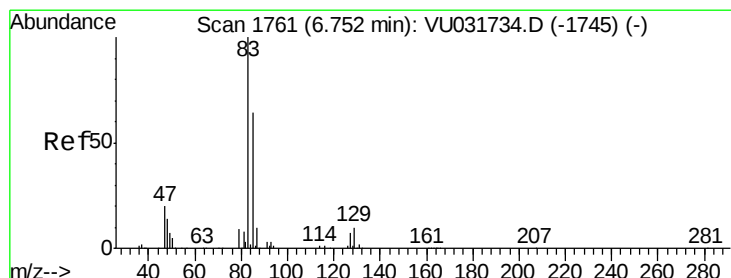
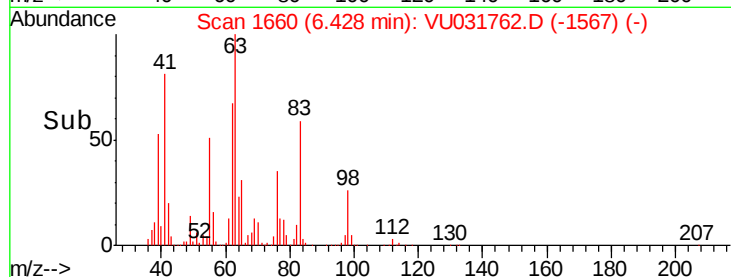
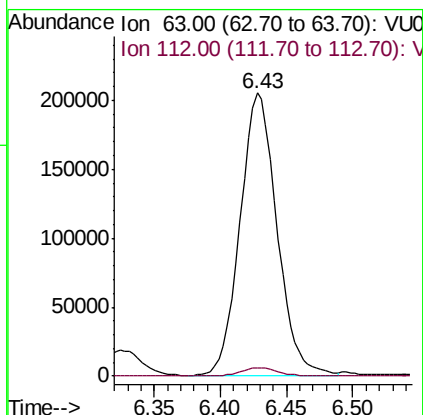
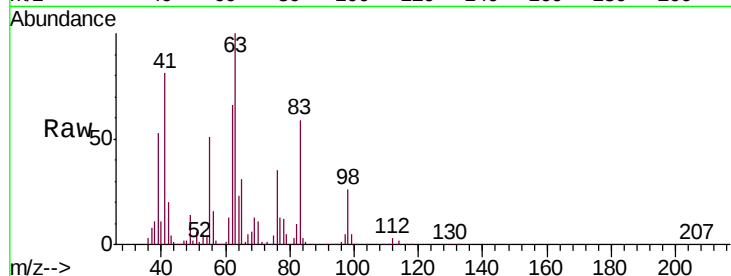




#37
 1,2-Dichloropropane
 Concen: 52.165 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU031762.D
 Acq: 03 May 2019 19:56

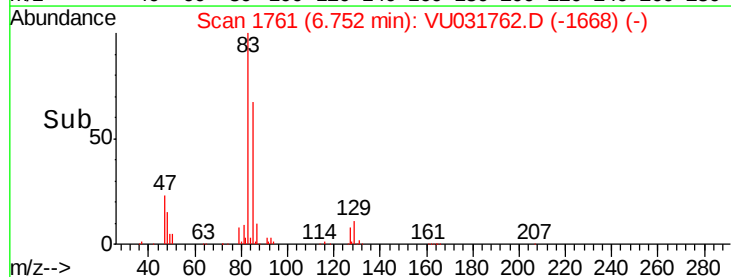
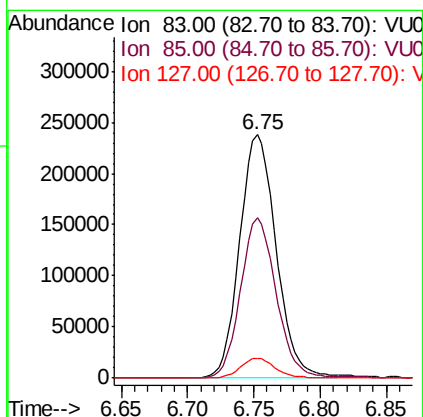
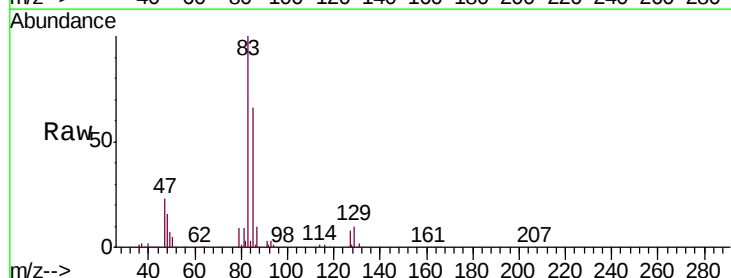
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05034

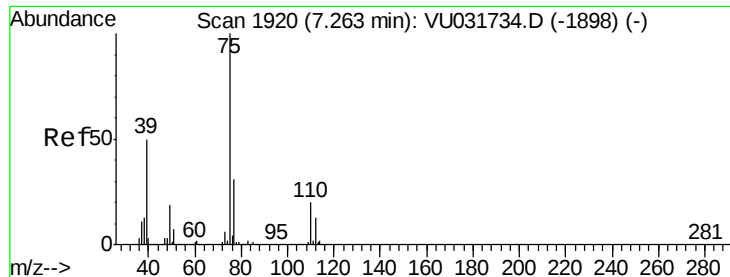
Tgt Ion: 63 Resp: 396114
 Ion Ratio Lower Upper
 63 100
 112 3.1 2.7 4.1



#38
 Bromodichloromethane
 Concen: 49.546 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU031762.D
 Acq: 03 May 2019 19:56

Tgt Ion: 83 Resp: 456175
 Ion Ratio Lower Upper
 83 100
 85 65.7 43.7 81.1
 127 8.0 6.7 10.1

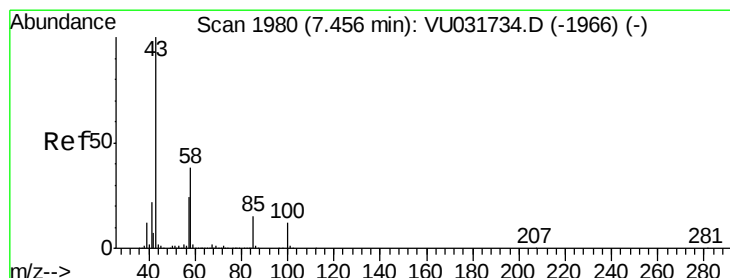
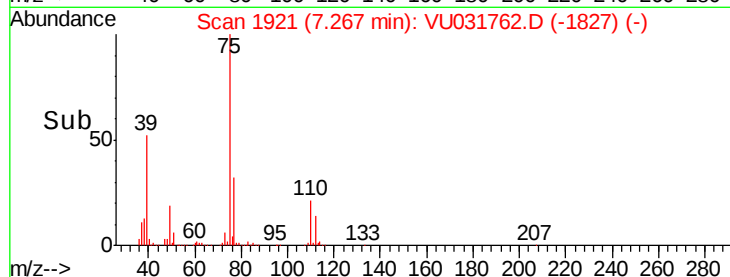
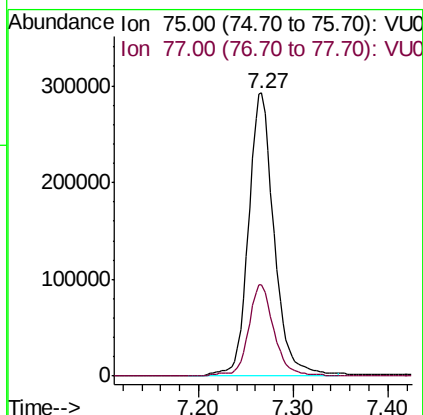
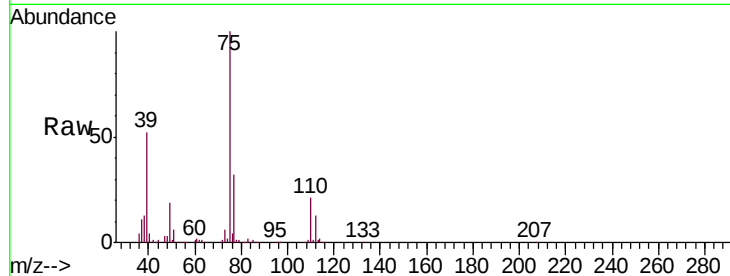




#39
 cis-1,3-Dichloropropene
 Concen: 54.983 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU031762.D
 Acq: 03 May 2019 19:56

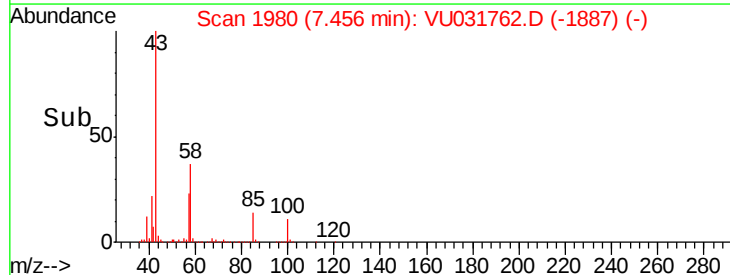
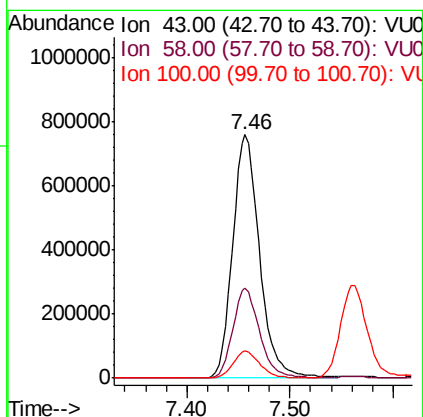
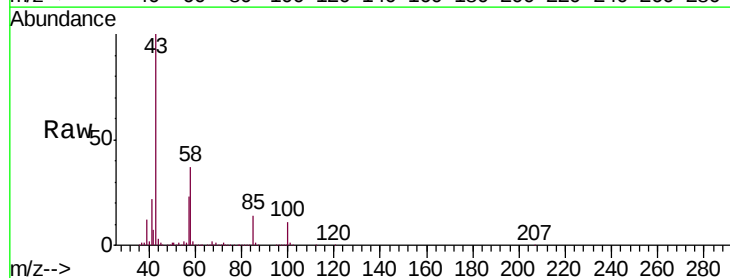
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05034

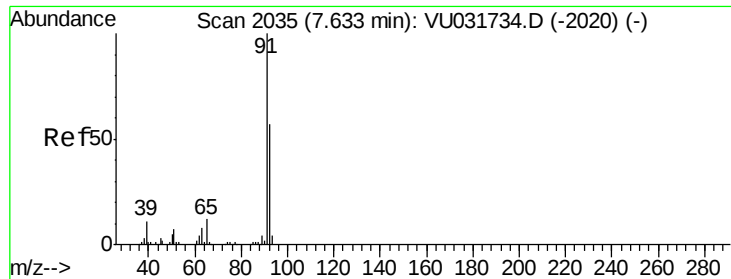
Tgt Ion: 75 Resp: 551691
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 118.378 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VU031762.D
 Acq: 03 May 2019 19:56

Tgt Ion: 43 Resp: 1383008
 Ion Ratio Lower Upper
 43 100
 58 36.6 30.1 45.1
 100 11.1 9.6 14.4





#42

Toluene

Concen: 52.061 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031762.D

Acq: 03 May 2019 19:56

Instrument :

MSVOA_U

ClientSampleId :

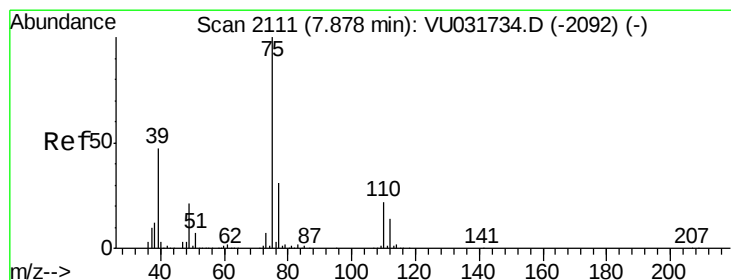
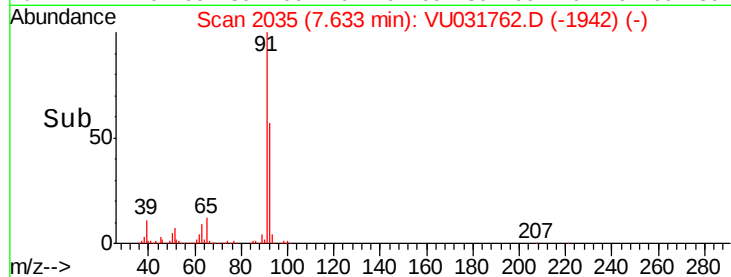
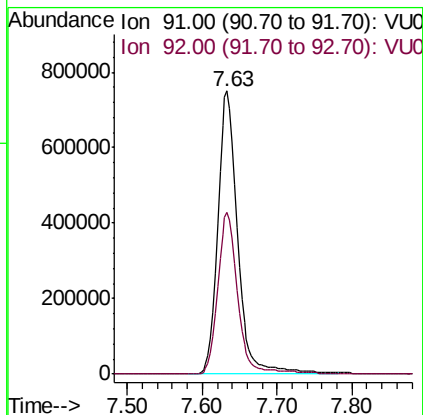
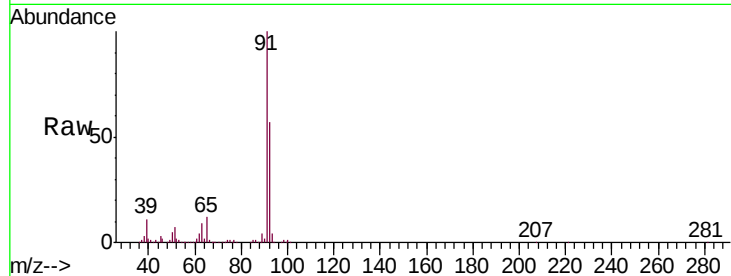
VSTD05034

Tgt Ion: 91 Resp: 1387146

Ion Ratio Lower Upper

91 100

92 57.2 39.0 72.4



#44

trans-1,3-Dichloropropene

Concen: 52.374 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU031762.D

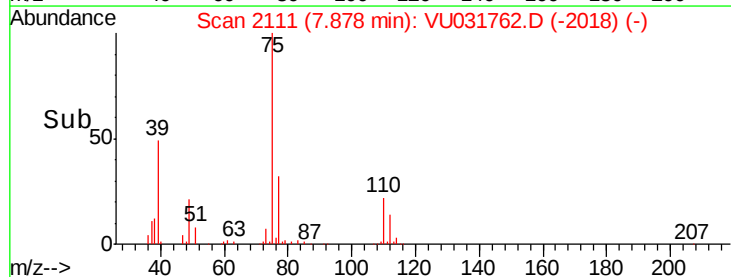
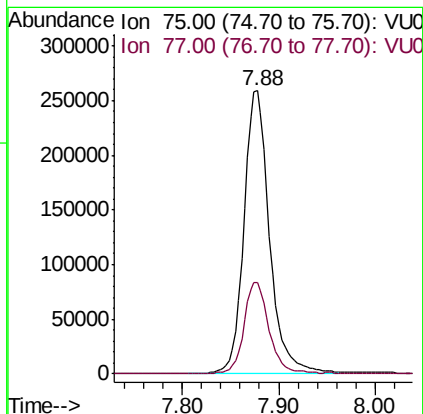
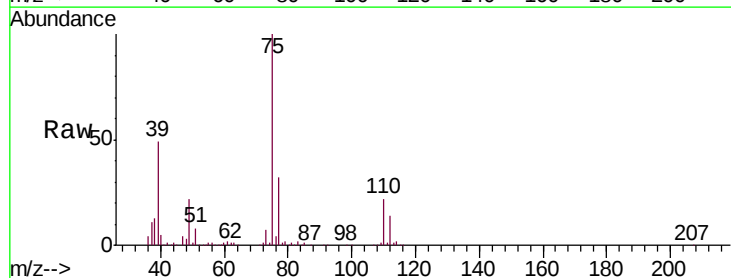
Acq: 03 May 2019 19:56

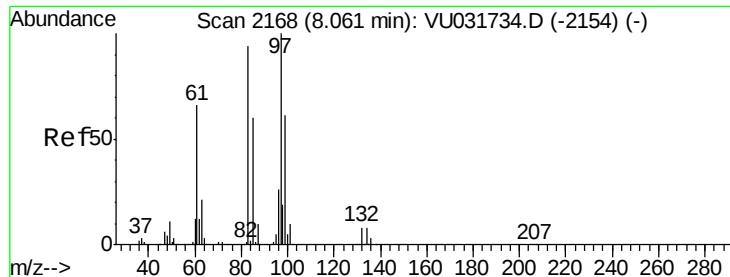
Tgt Ion: 75 Resp: 476639

Ion Ratio Lower Upper

75 100

77 32.4 22.1 41.1

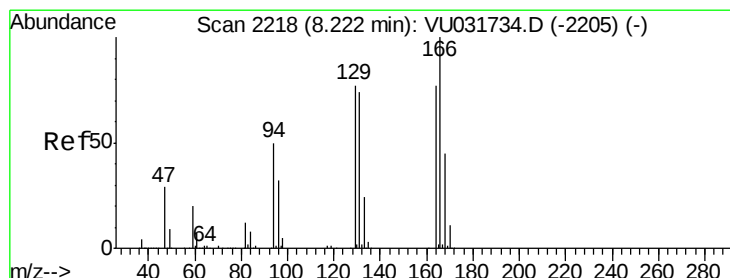
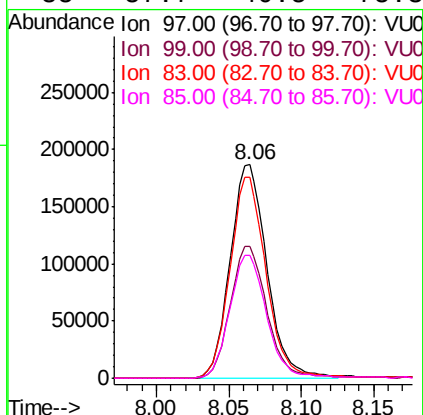
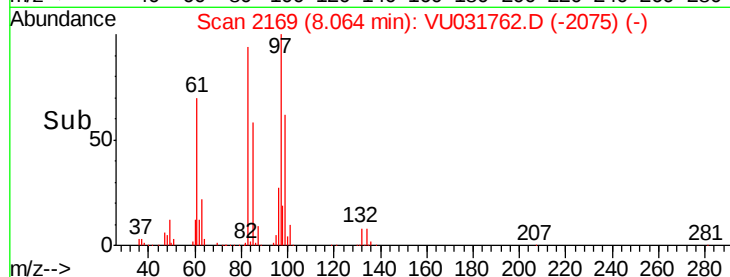
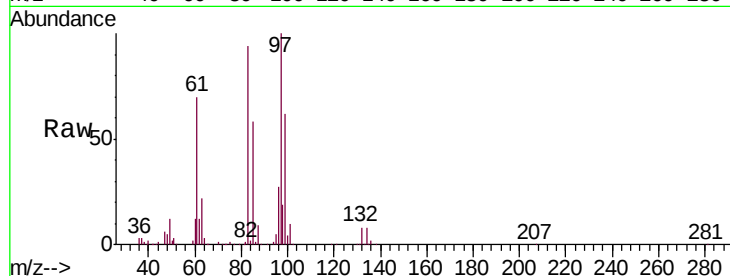




#45
 1,1,2-Trichloroethane
 Concen: 52.517 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU031762.D
 Acq: 03 May 2019 19:56

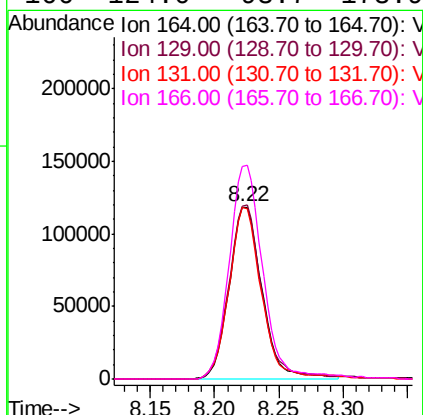
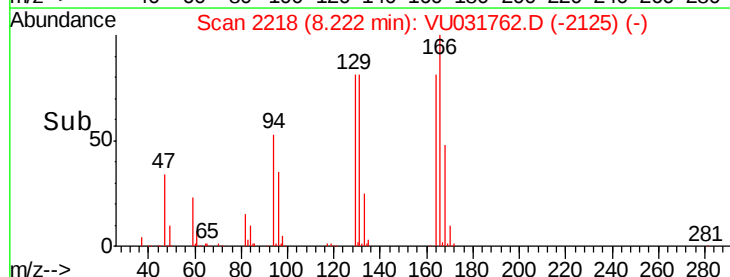
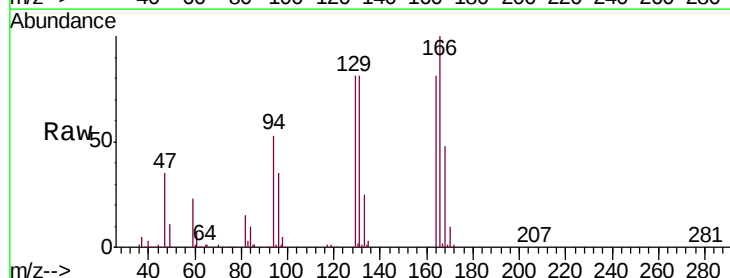
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05034

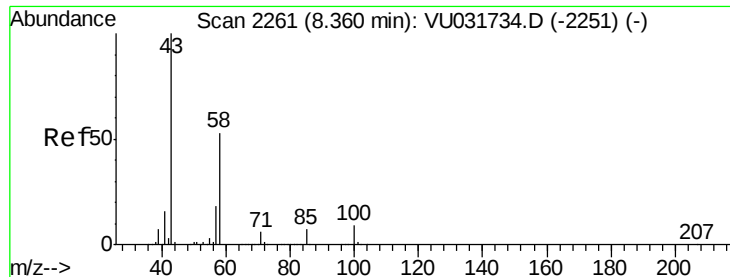
Tgt Ion:	97	Resp:	328763
Ion	Ratio	Lower	Upper
97	100		
99	61.6	43.0	80.0
83	93.9	63.6	118.2
85	57.7	40.5	75.3



#46
 Tetrachloroethene
 Concen: 47.810 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU031762.D
 Acq: 03 May 2019 19:56

Tgt Ion:	164	Resp:	211333
Ion	Ratio	Lower	Upper
164	100		
129	100.9	71.5	132.9
131	99.9	69.0	128.2
166	124.0	93.7	173.9



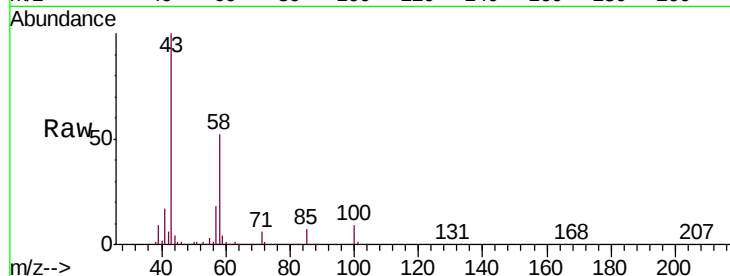


#48
2-Hexanone
Concen: 118.025 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU031762.D
Acq: 03 May 2019 19:56

Instrument :
MSVOA_U
ClientSampleId :
VSTD05034

Tgt Ion: 43 Resp: 1115224

Ion	Ratio	Lower	Upper
43	100		
58	50.8	42.1	63.1
57	17.5	14.6	22.0
100	8.6	7.2	10.8



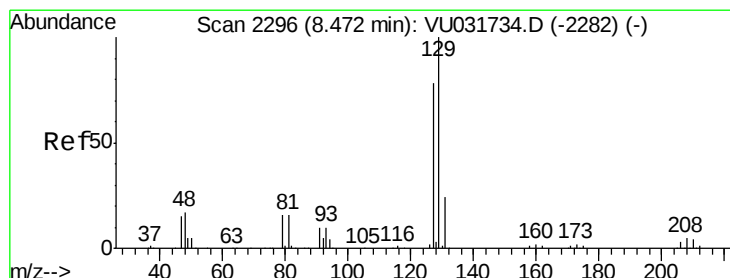
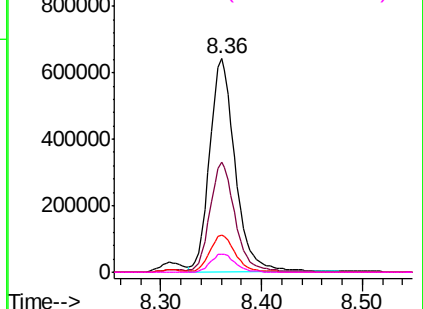
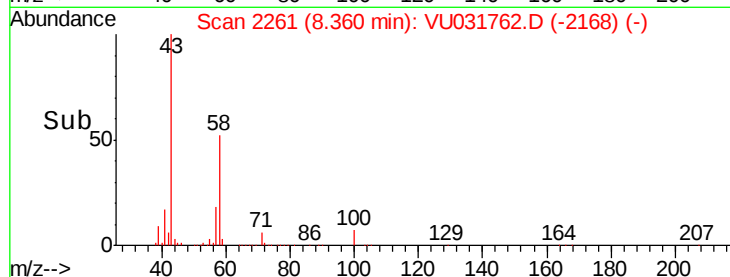
Abundance

Ion 43.00 (42.70 to 43.70): VU031734.D (-2251) (-)

Ion 58.00 (57.70 to 58.70): VU031734.D (-2251) (-)

Ion 57.00 (56.70 to 57.70): VU031734.D (-2251) (-)

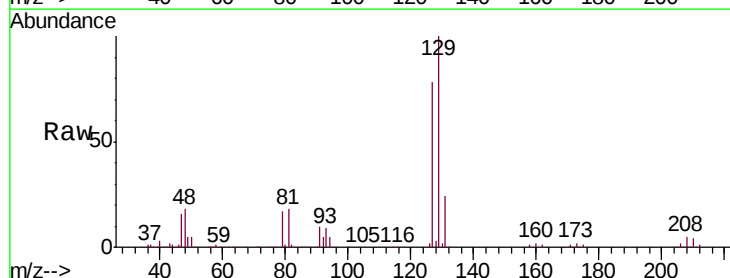
Ion 100.00 (99.70 to 100.70): VU031734.D (-2251) (-)



#49
Dibromochloromethane
Concen: 49.518 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU031762.D
Acq: 03 May 2019 19:56

Tgt Ion: 129 Resp: 322534

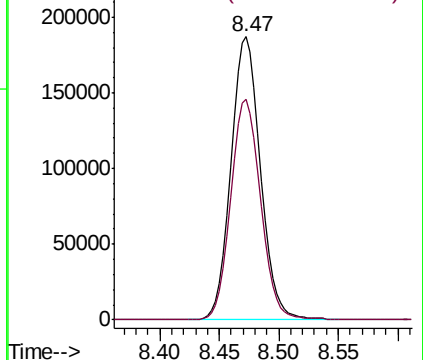
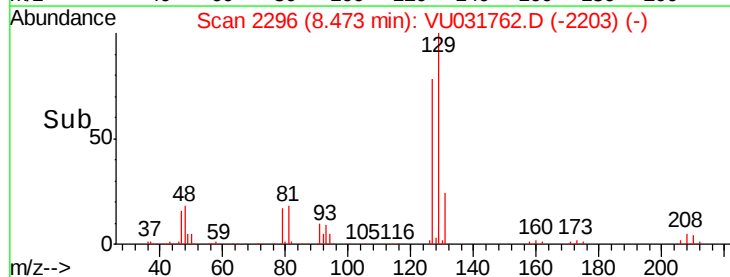
Ion	Ratio	Lower	Upper
129	100		
127	78.1	54.0	100.2

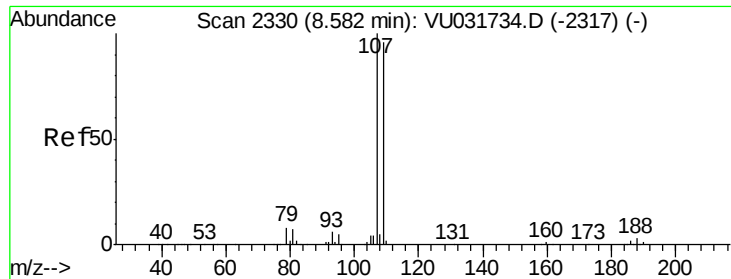


Abundance

Ion 129.00 (128.70 to 129.70): VU031734.D (-2282) (-)

Ion 127.00 (126.70 to 127.70): VU031734.D (-2282) (-)

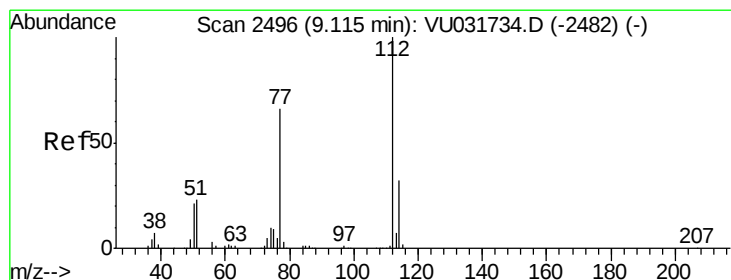
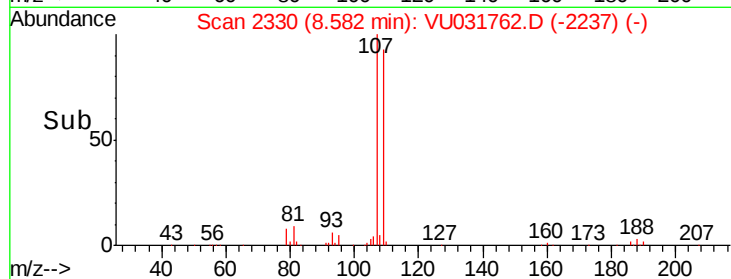
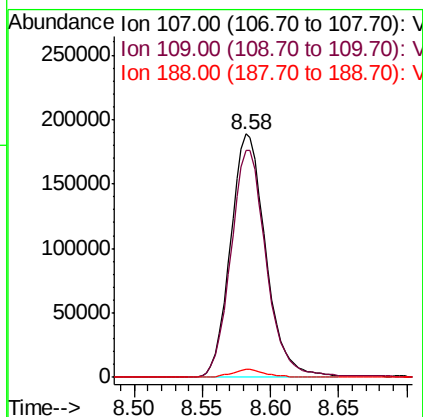
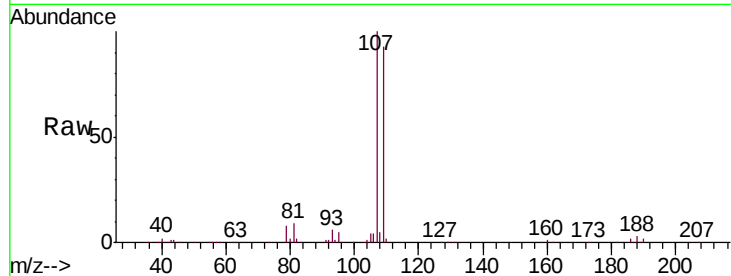




#50
 1,2-Dibromoethane
 Concen: 51.300 ug/L
 RT: 8.58 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VU031762.D
 Acq: 03 May 2019 19:56

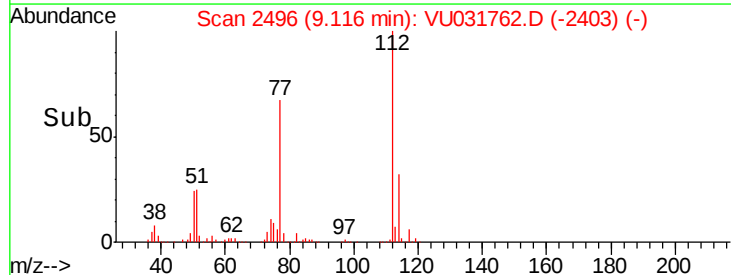
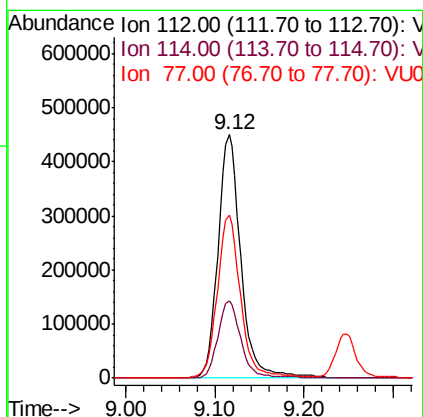
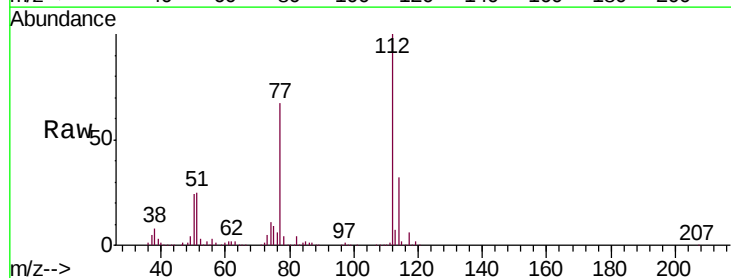
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05034

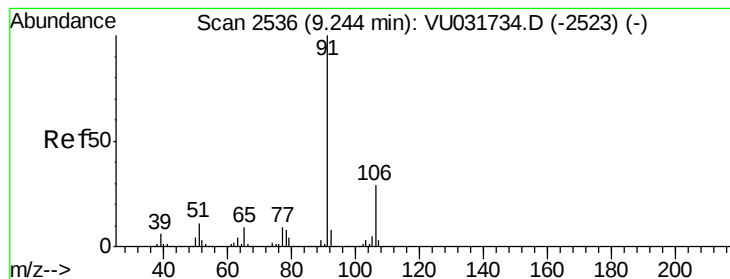
Tgt Ion:107 Resp: 339171
 Ion Ratio Lower Upper
 107 100
 109 93.4 64.9 120.5
 188 3.1 2.4 3.6



#51
 Chlorobenzene
 Concen: 50.800 ug/L
 RT: 9.12 min Scan# 2496
 Delta R.T. 0.00 min
 Lab File: VU031762.D
 Acq: 03 May 2019 19:56

Tgt Ion:112 Resp: 799863
 Ion Ratio Lower Upper
 112 100
 114 31.9 23.3 43.3
 77 67.0 53.0 79.4





#52

Ethylbenzene

Concen: 53.768 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU031762.D

Acq: 03 May 2019 19:56

Instrument :

MSVOA_U

ClientSampleId :

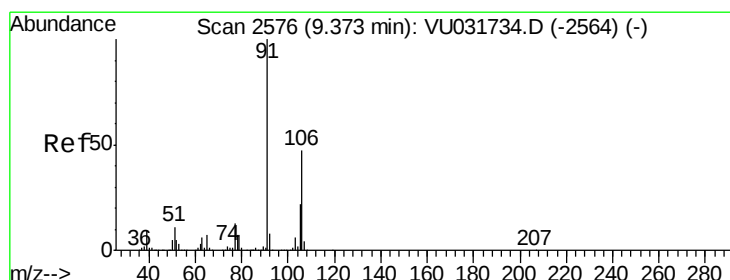
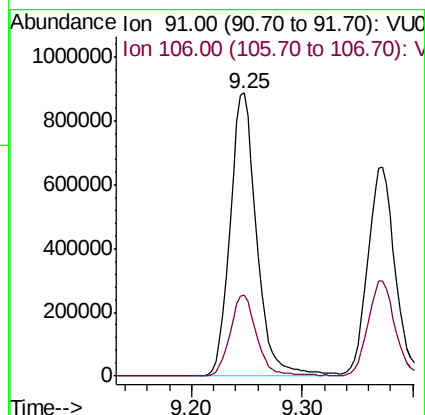
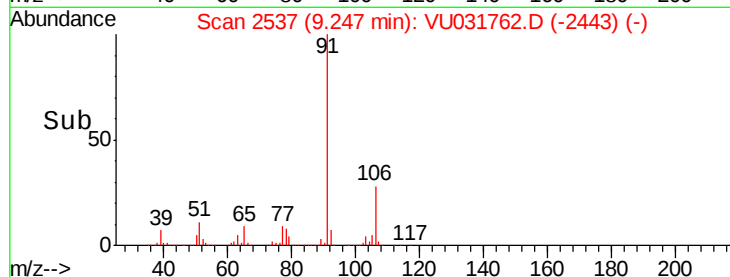
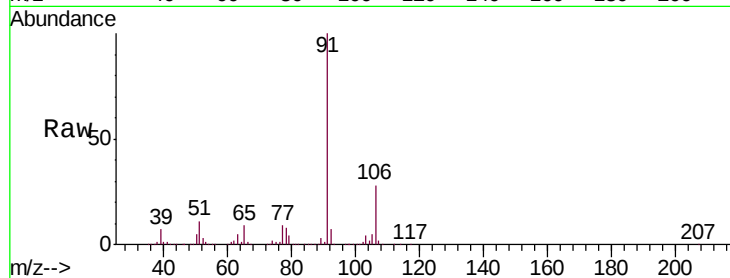
VSTD05034

Tgt Ion: 91 Resp: 1486083

Ion Ratio Lower Upper

91 100

106 28.5 20.4 37.8



#53

m,p-Xylene

Concen: 52.302 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU031762.D

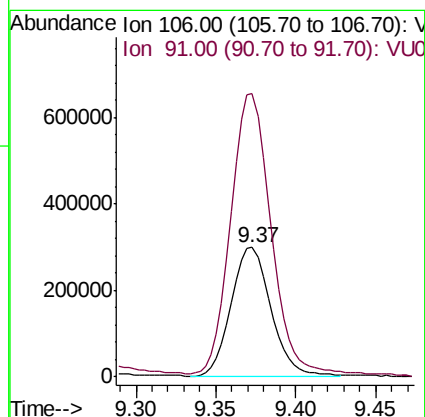
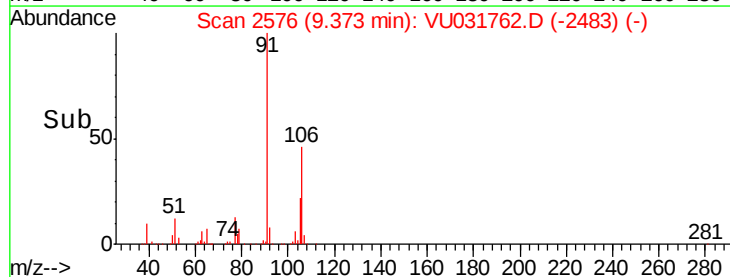
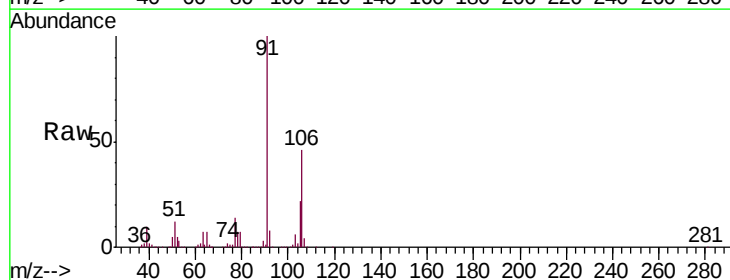
Acq: 03 May 2019 19:56

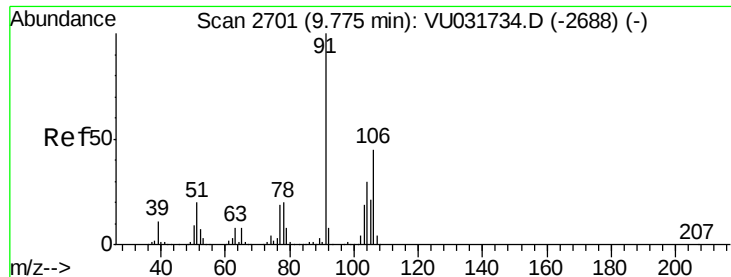
Tgt Ion: 106 Resp: 503652

Ion Ratio Lower Upper

106 100

91 218.4 152.2 282.6





#54

o-xylene

Concen: 54.949 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU031762.D

Acq: 03 May 2019 19:56

Instrument :

MSVOA_U

ClientSampleId :

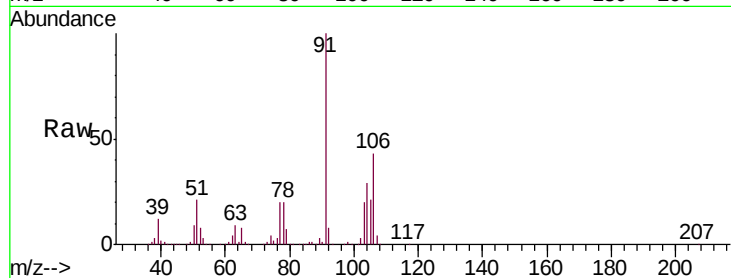
VSTD05034

Tgt Ion:106 Resp: 524590

Ion Ratio Lower Upper

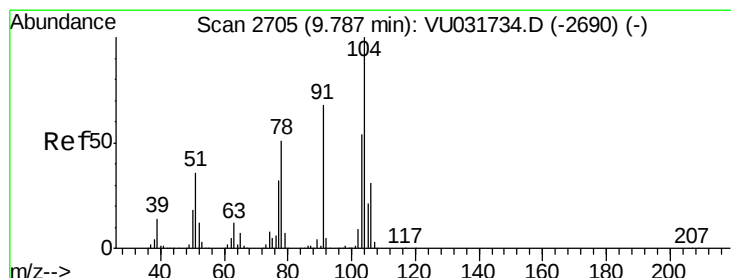
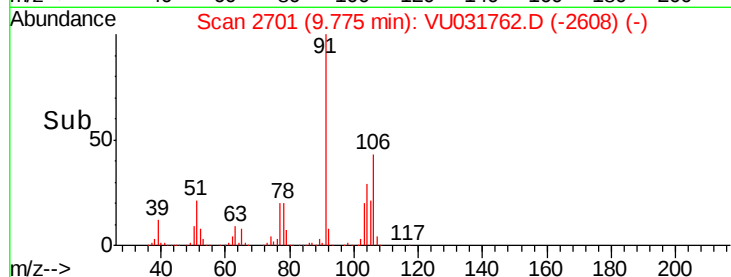
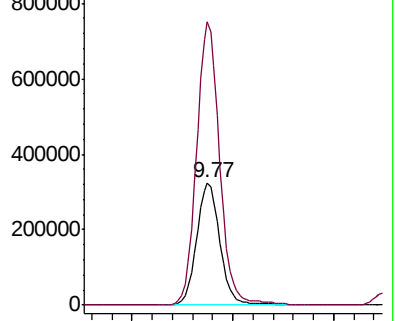
106 100

91 231.9 163.2 303.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 54.833 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU031762.D

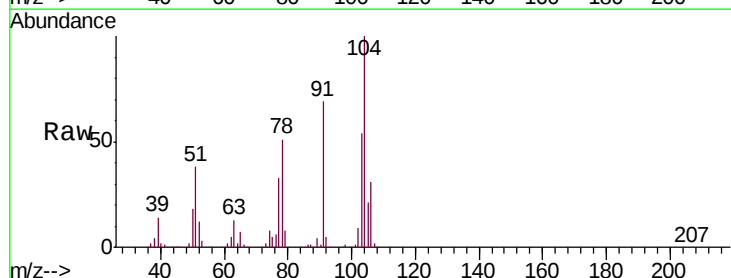
Acq: 03 May 2019 19:56

Tgt Ion:104 Resp: 894351

Ion Ratio Lower Upper

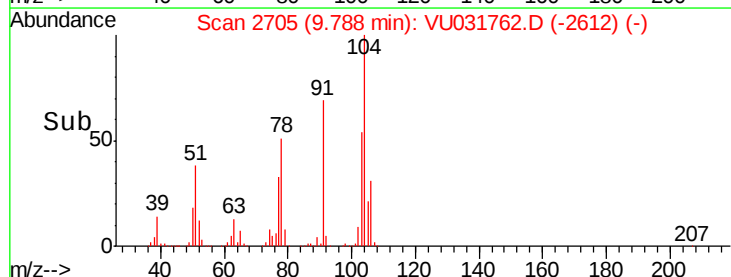
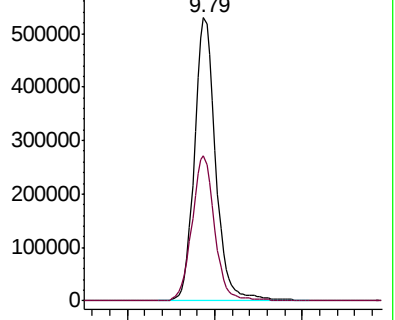
104 100

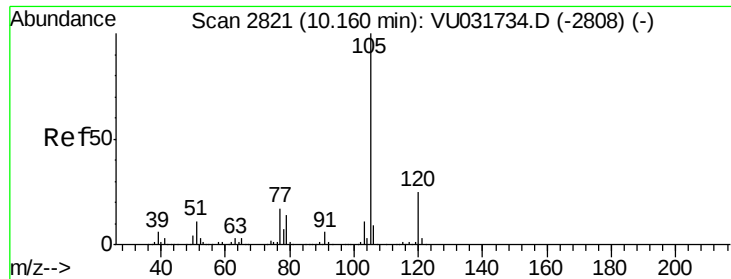
78 51.2 35.4 65.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 54.616 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VU031762.D

Acq: 03 May 2019 19:56

Instrument :

MSVOA_U

ClientSampled :

VSTD05034

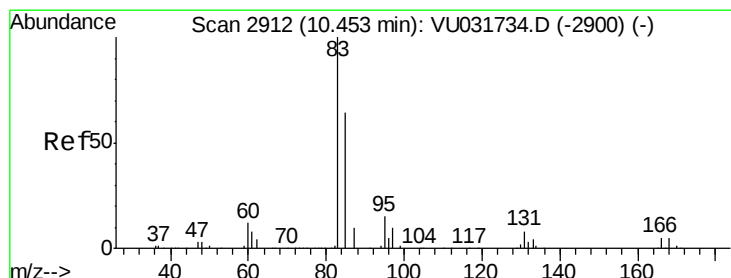
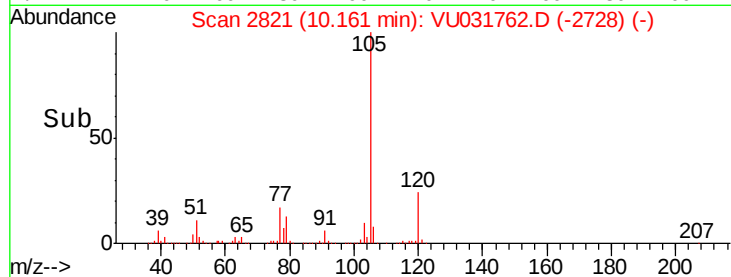
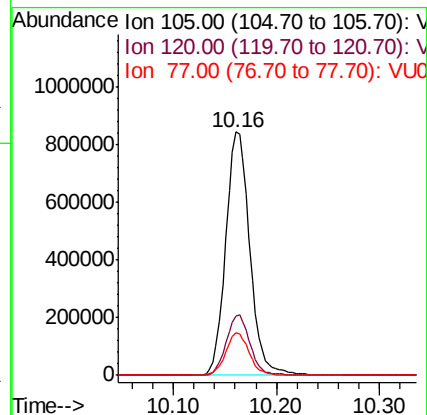
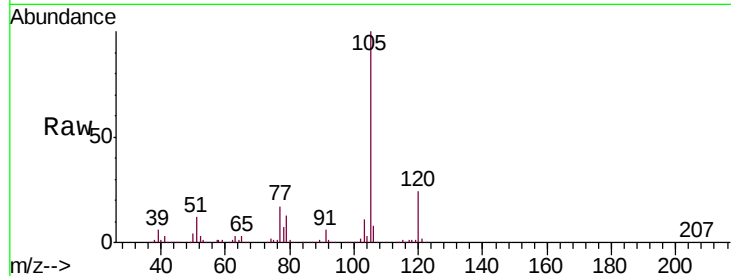
Tgt Ion:105 Resp: 1371089

Ion Ratio Lower Upper

105 100

120 24.5 20.1 30.1

77 17.1 13.8 20.6



#58

1,1,2,2-Tetrachloroethane

Concen: 52.571 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU031762.D

Acq: 03 May 2019 19:56

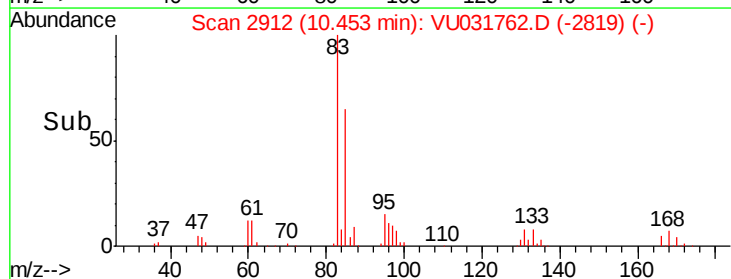
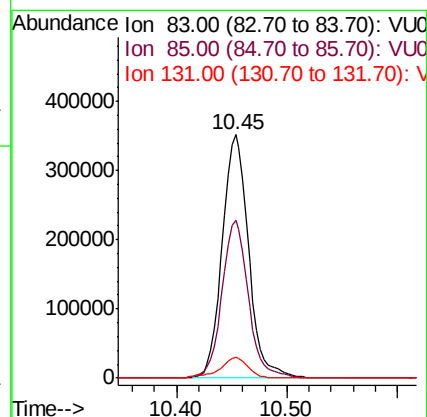
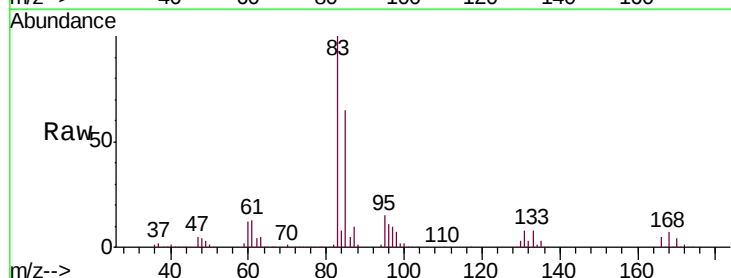
Tgt Ion: 83 Resp: 583985

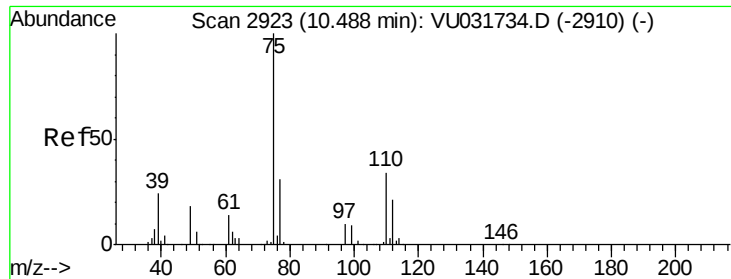
Ion Ratio Lower Upper

83 100

85 65.0 46.0 85.4

131 8.4 7.3 10.9

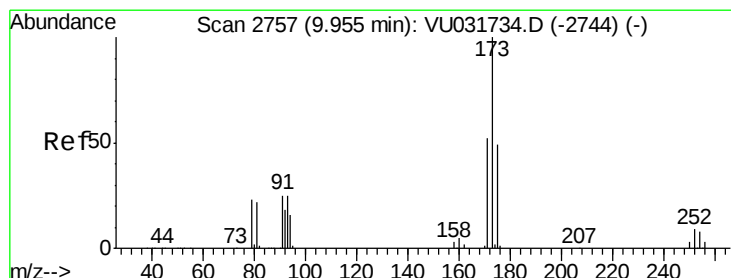
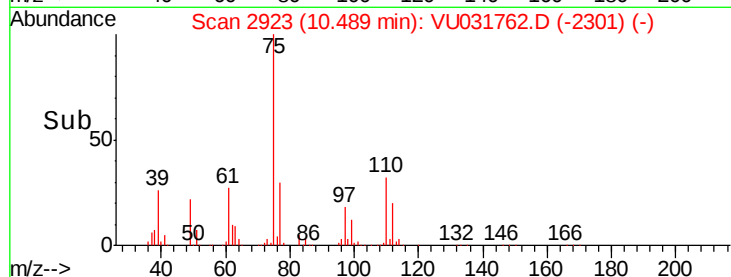
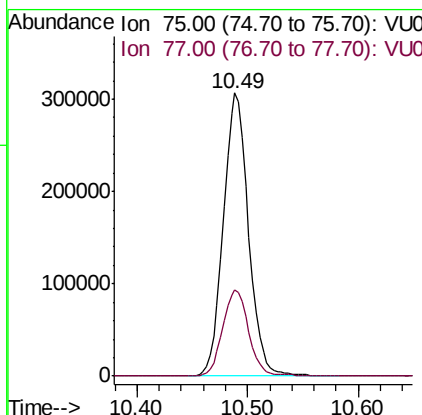
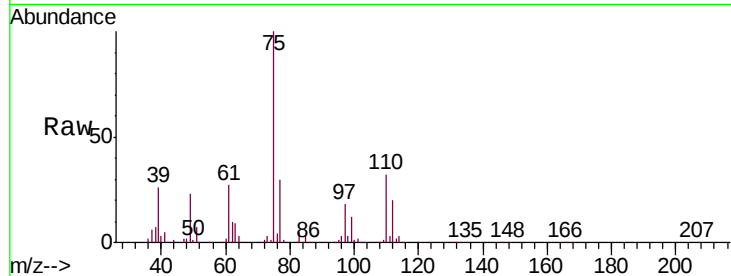




#59
 1,2,3-Trichloropropane
 Concen: 53.889 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. 0.00 min
 Lab File: VU031762.D
 Acq: 03 May 2019 19:56

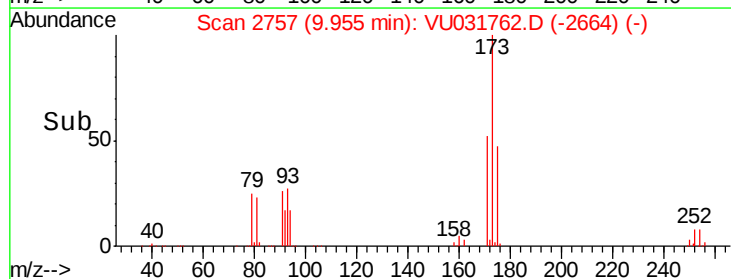
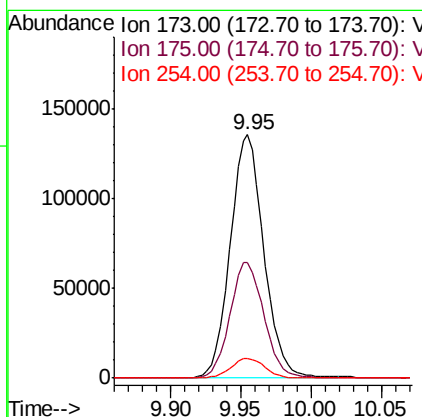
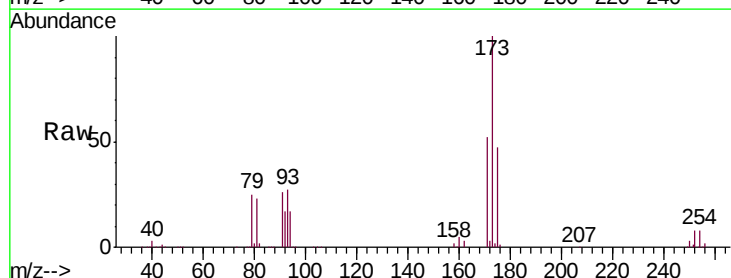
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05034

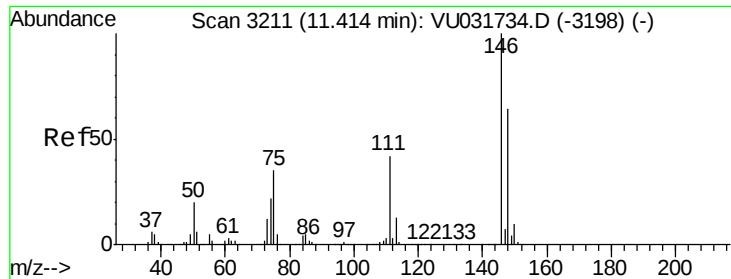
Tgt Ion: 75 Resp: 485162
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.9 38.9



#61
 Bromoform
 Concen: 46.175 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU031762.D
 Acq: 03 May 2019 19:56

Tgt Ion: 173 Resp: 226704
 Ion Ratio Lower Upper
 173 100
 175 47.8 38.3 57.5
 254 8.3 6.6 9.8





#62

1,3-Dichlorobenzene

Concen: 49.916 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU031762.D

Acq: 03 May 2019 19:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD05034

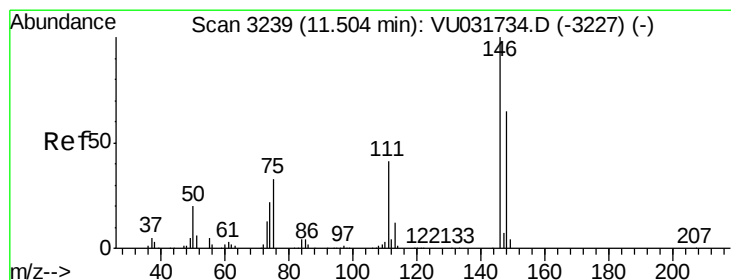
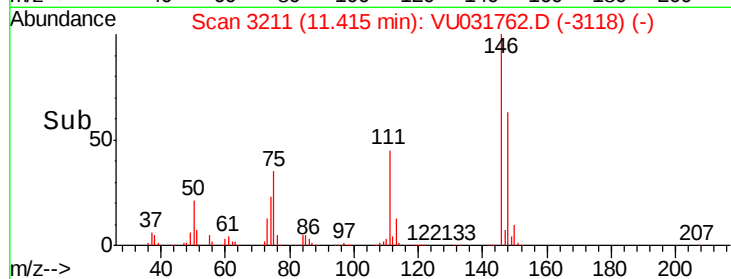
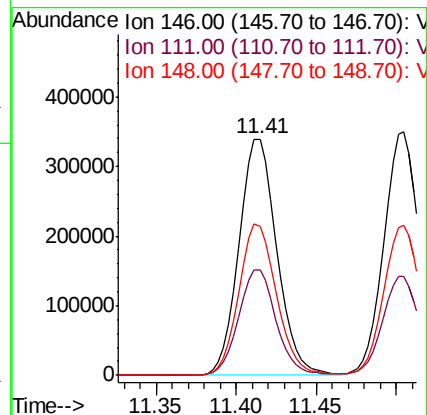
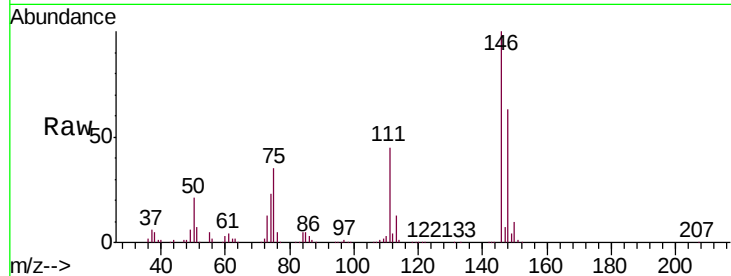
Tgt Ion:146 Resp: 547264

Ion Ratio Lower Upper

146 100

111 44.6 29.8 55.4

148 63.2 45.1 83.9



#63

1,4-Dichlorobenzene

Concen: 48.897 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU031762.D

Acq: 03 May 2019 19:56

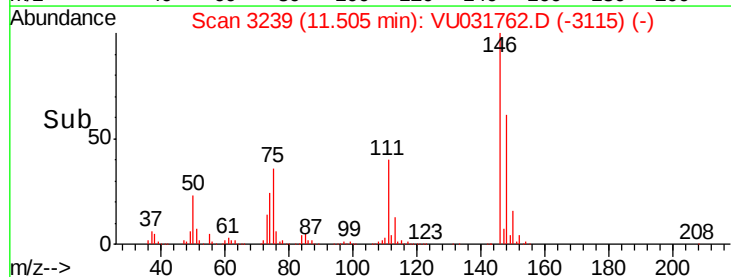
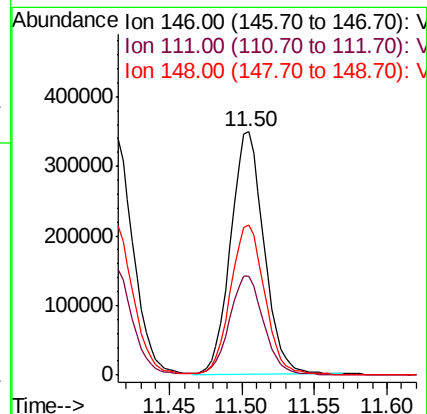
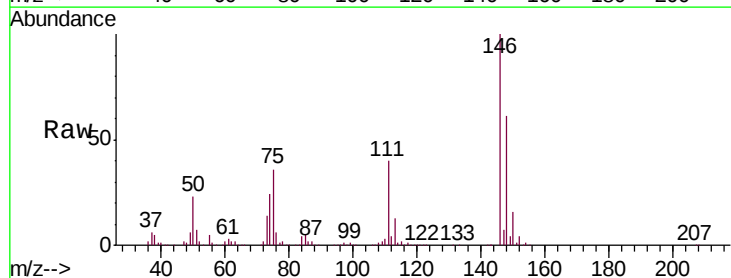
Tgt Ion:146 Resp: 555196

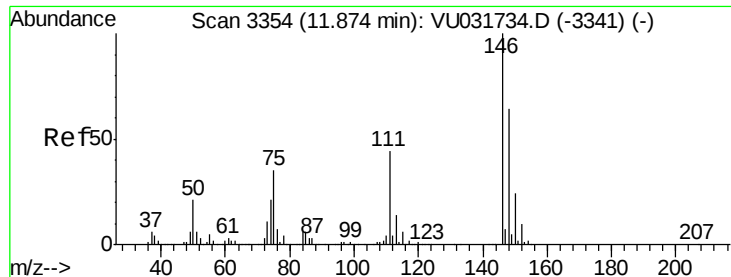
Ion Ratio Lower Upper

146 100

111 40.5 28.2 52.4

148 61.5 45.4 84.4

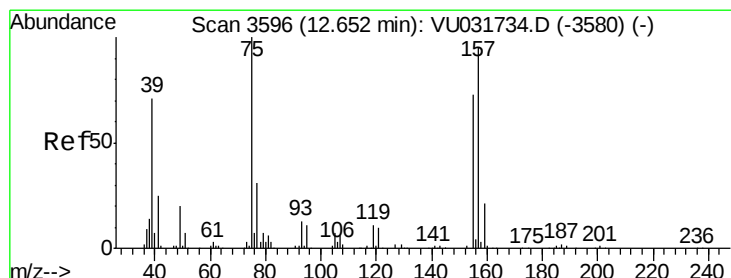
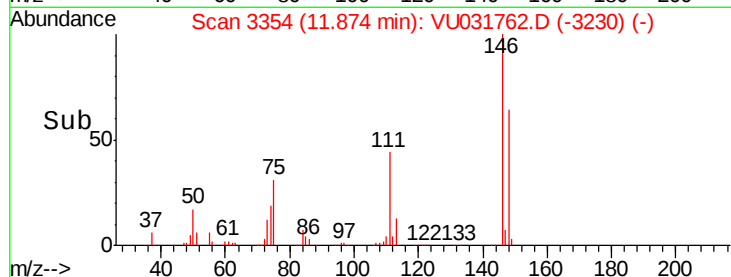
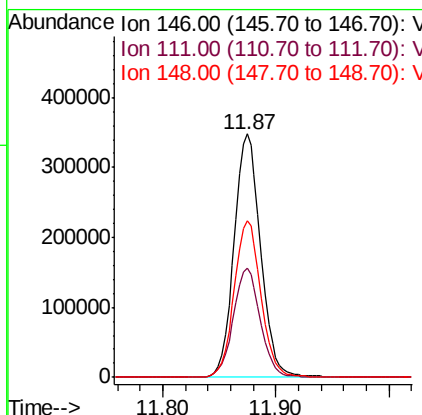
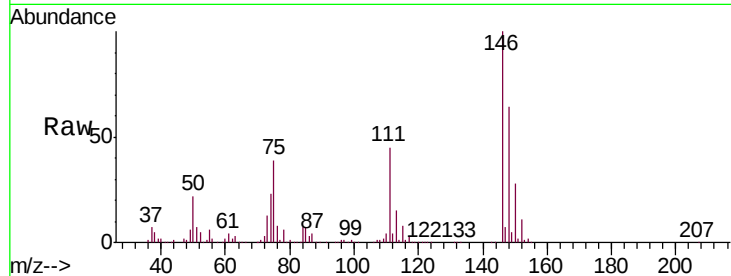




#65
 1,2-Dichlorobenzene
 Concen: 48.795 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU031762.D
 Acq: 03 May 2019 19:56

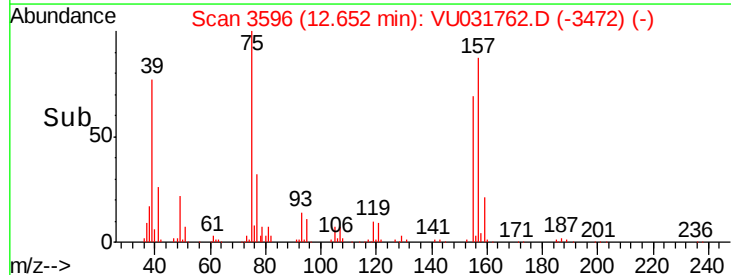
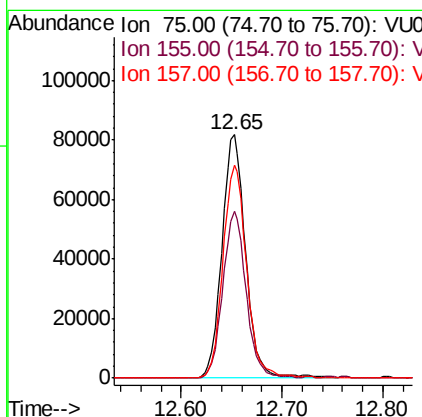
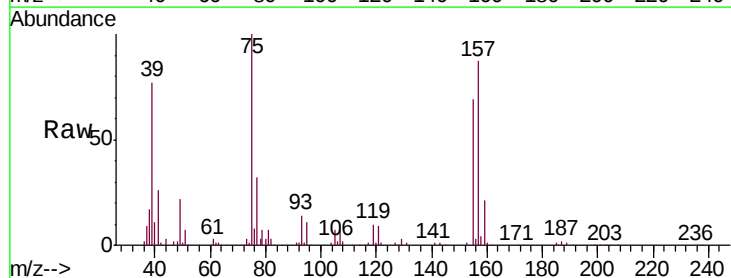
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05034

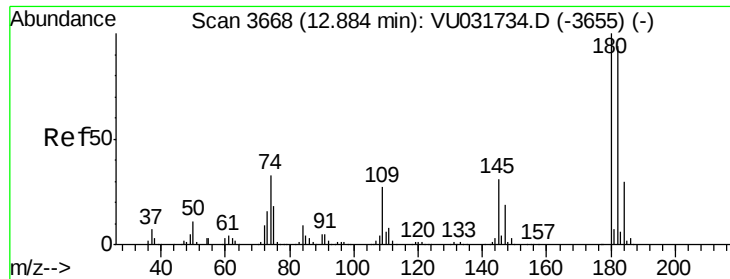
Tgt Ion: 146 Resp: 568559
 Ion Ratio Lower Upper
 146 100
 111 45.0 35.9 53.9
 148 64.1 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 49.792 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU031762.D
 Acq: 03 May 2019 19:56

Tgt Ion: 75 Resp: 134651
 Ion Ratio Lower Upper
 75 100
 155 68.6 54.0 81.0
 157 87.4 69.1 103.7





#67

1,3,5-Trichlorobenzene

Concen: 46.236 ug/L

RT: 12.88 min Scan# 3668

Delta R.T. 0.00 min

Lab File: VU031762.D

Acq: 03 May 2019 19:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD05034

Tgt Ion:180 Resp: 379670

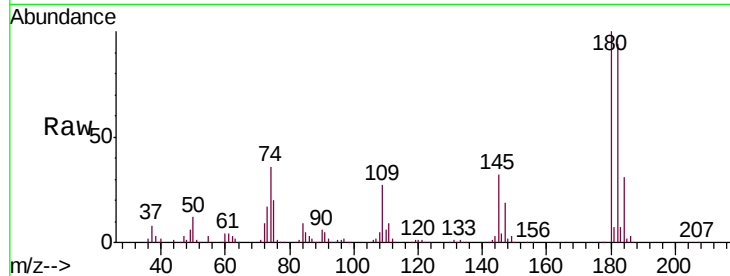
Ion Ratio Lower Upper

180 100

182 95.3 77.3 115.9

184 30.8 24.4 36.6

145 31.4 23.8 35.8

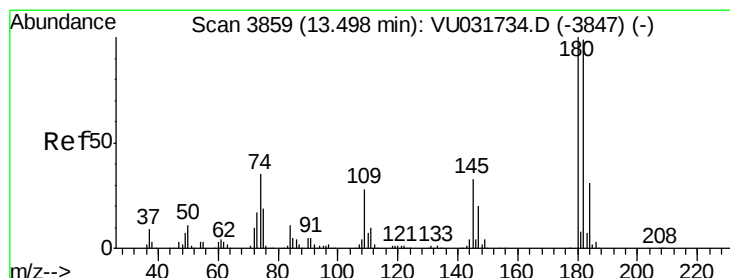
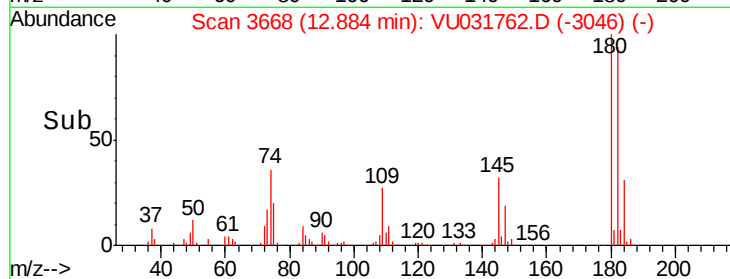
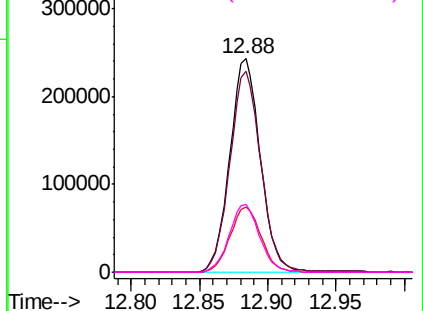


Abundance Ion 180.00 (179.70 to 180.70): V

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: 49.661 ug/L

RT: 13.50 min Scan# 3859

Delta R.T. 0.00 min

Lab File: VU031762.D

Acq: 03 May 2019 19:56

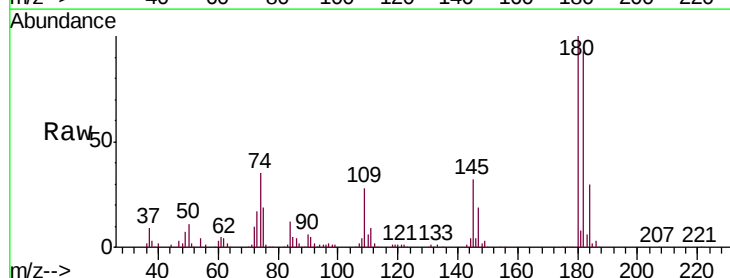
Tgt Ion:180 Resp: 322836

Ion Ratio Lower Upper

180 100

182 96.6 75.8 113.8

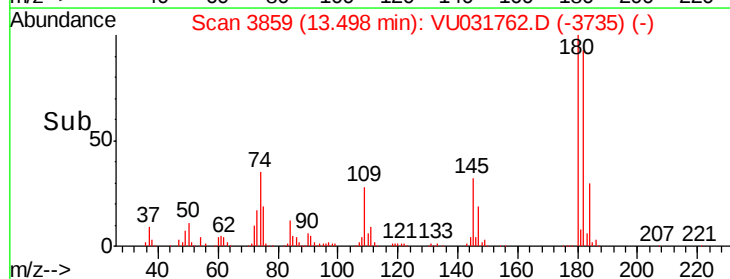
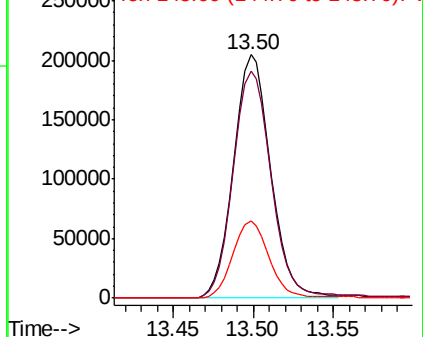
145 31.0 24.5 36.7

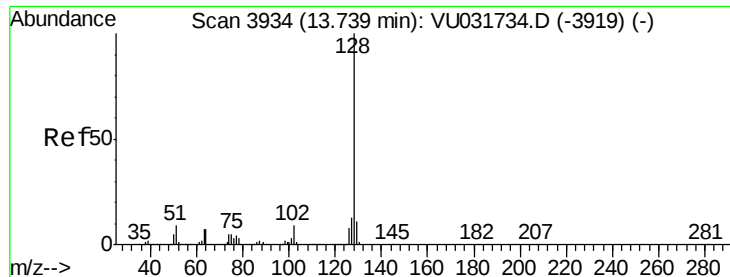


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 55.728 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU031762.D

Acq: 03 May 2019 19:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD05034

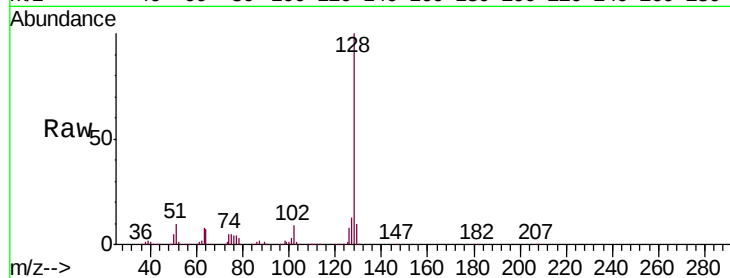
Tgt Ion:128 Resp: 1235183

Ion Ratio Lower Upper

128 100

127 13.4 10.6 15.8

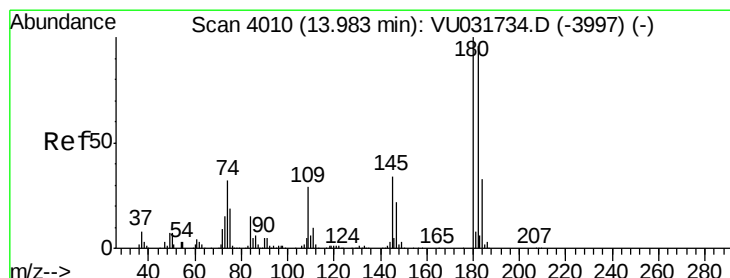
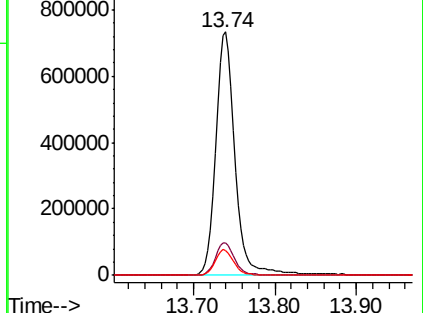
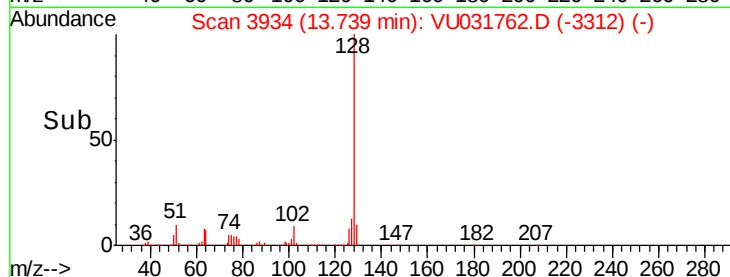
129 10.1 8.7 13.1



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: 46.830 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU031762.D

Acq: 03 May 2019 19:56

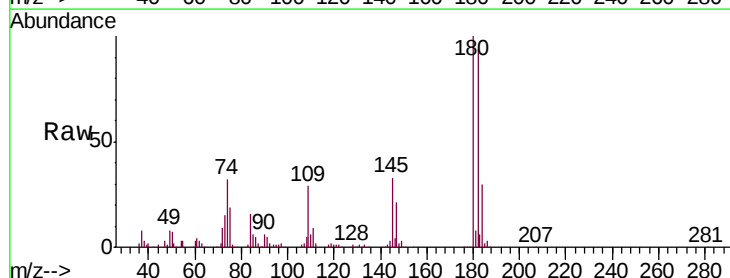
Tgt Ion:180 Resp: 346596

Ion Ratio Lower Upper

180 100

182 95.7 76.1 114.1

145 33.4 26.0 39.0



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

