

Data File : VU029214.D
Acq On : 18 Jan 2019 09:35
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00555

Quant Time: Jan 18 22:50:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR122818WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jan 11 23:23:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	136086	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	131914	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	62486	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	38545	5.29	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.80%
7) Chloroethane-d5	1.68	69	31442	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.00%
11) 1,1-Dichloroethene-d2	2.27	63	76777	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.60%
20) 2-Butanone-d5	4.21	46	114734	60.28	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.56%
24) Chloroform-d	4.65	84	76235	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.60%
26) 1,2-Dichloroethane-d4	5.31	65	37429	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
32) Benzene-d6	5.34	84	153313	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
36) 1,2-Dichloropropane-d6	6.33	67	53108	5.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.80%
41) Toluene-d8	7.56	98	142935	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
43) trans-1,3-Dichloropropene-	7.85	79	20470	5.52	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	110.40%
46) 2-Hexanone-d5	8.31	63	95797	56.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.38%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	41769	5.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	50638	4.84	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	62000	5.202	ug/L 100
3) Chloromethane	1.32	50	65881	4.954	ug/L 99
5) Vinyl chloride	1.40	62	70793	5.210	ug/L 97
6) Bromomethane	1.63	94	30969	4.923	ug/L 97
8) Chloroethane	1.70	64	37959	4.895	ug/L 98
9) Trichlorofluoromethane	1.88	101	75074	4.831	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	46846	4.672	ug/L 98
12) 1,1-Dichloroethene	2.28	96	44777	4.592	ug/L 90
13) Acetone	2.36	43	82836	53.914	ug/L 99
14) Carbon disulfide	2.48	76	158657	4.657	ug/L 99
15) Methyl Acetate	2.63	43	23303	5.176	ug/L 95
16) Methylene chloride	2.70	84	49020	3.512	ug/L 90
17) Methyl tert-butyl Ether	3.00	73	111304	4.649	ug/L 96
18) trans-1,2-Dichloroethene	2.98	96	47680	4.454	ug/L 93
19) 1,1-Dichloroethane	3.44	63	92808	5.106	ug/L 99
21) 2-Butanone	4.30	43	137634	59.875	ug/L 94
22) cis-1,2-Dichloroethene	4.22	96	55114	4.977	ug/L 96

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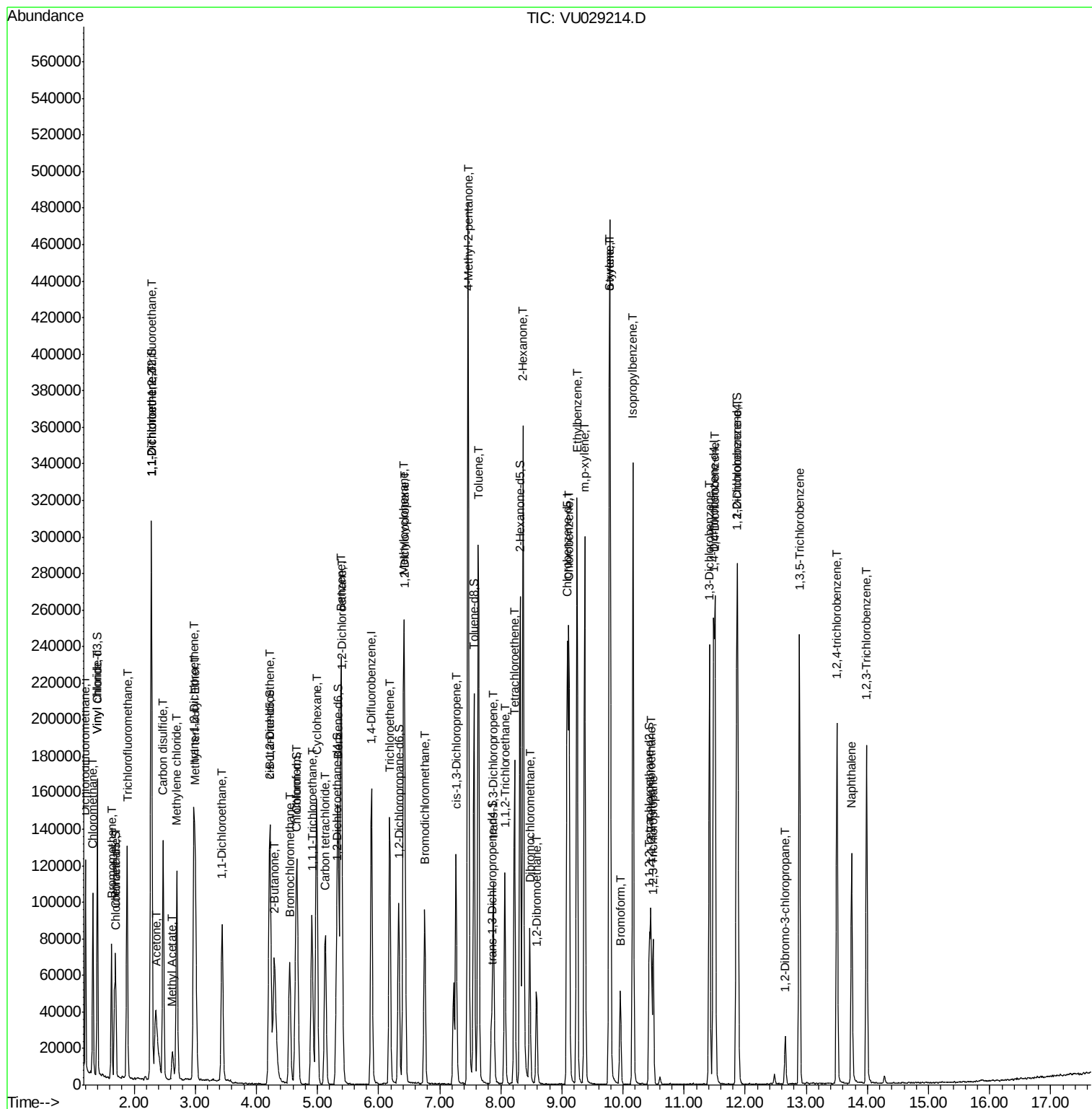
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	23549	5.240	ug/L	93
25) Chloroform	4.67	83	91206	5.282	ug/L	98
27) 1,2-Dichloroethane	5.40	62	54020	5.288	ug/L	99
29) 1,1,1-Trichloroethane	4.91	97	72713	5.019	ug/L	97
30) Cyclohexane	4.99	56	85662	4.935	ug/L	94
31) Carbon tetrachloride	5.13	117	59961	5.198	ug/L	100
33) Benzene	5.39	78	210493	4.990	ug/L	100
34) Trichloroethene	6.18	95	53013	4.916	ug/L	95
35) Methylcyclohexane	6.41	83	85574	4.619	ug/L	94
37) 1,2-Dichloropropane	6.43	63	57912	5.389	ug/L	100
38) Bromodichloromethane	6.76	83	65047	5.376	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	77065	5.002	ug/L	100
40) 4-Methyl-2-pentanone	7.47	43	326241	57.055	ug/L	96
42) Toluene	7.63	91	219307	4.857	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	63213	5.265	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	37594	5.141	ug/L	94
47) Tetrachloroethene	8.22	164	41262	4.619	ug/L	97
48) 2-Hexanone	8.37	43	235794	59.614	ug/L	96
49) Dibromochloromethane	8.48	129	42692	5.499	ug/L	98
50) 1,2-Dibromoethane	8.58	107	35818	5.236	ug/L	99
51) Chlorobenzene	9.12	112	133213	4.704	ug/L	97
52) Ethylbenzene	9.25	91	224848	4.694	ug/L	97
53) m,p-xylene	9.37	106	84885	4.657	ug/L	93
54) o-xylene	9.78	106	84293	4.764	ug/L	99
55) Styrene	9.79	104	144865	4.919	ug/L	99
56) Isopropylbenzene	10.16	105	217100	4.652	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	49440	5.522	ug/L #	98
59) 1,2,3-Trichloropropane	10.49	75	33663	5.373	ug/L	100
61) Bromoform	9.96	173	24768	5.809	ug/L	95
62) 1,3-Dichlorobenzene	11.41	146	98752	4.675	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	103608	4.807	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	99454	4.976	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.66	75	6664	5.647	ug/L	93
67) 1,3,5-Trichlorobenzene	12.89	180	80147	4.904	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	65797	4.831	ug/L	97
69) Naphthalene	13.74	128	106464	4.570	ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	62088	4.779	ug/L	99

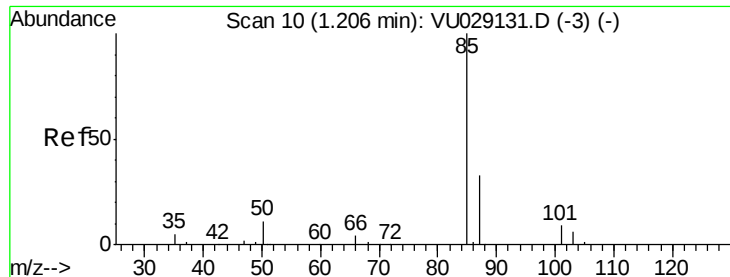
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.202 ug/L

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU029214.D

Acq: 18 Jan 2019 09:35

Instrument :

MSVOA_U

ClientSampleId :

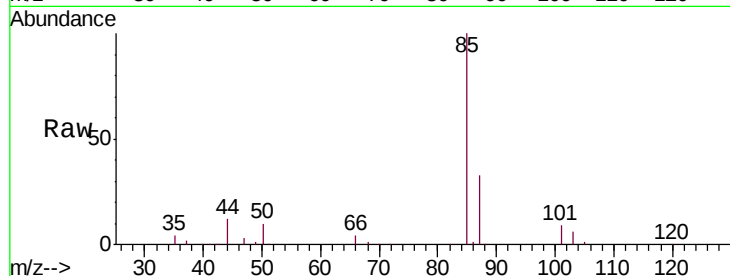
VSTD00555

Tgt Ion: 85 Resp: 62000

Ion Ratio Lower Upper

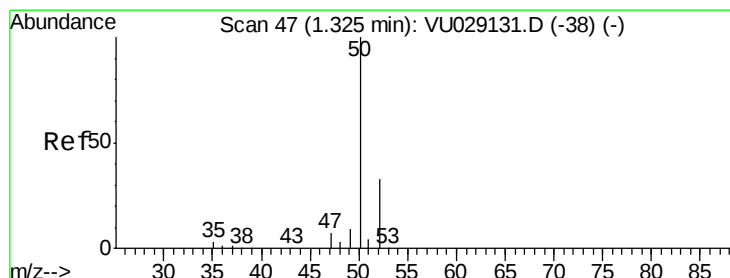
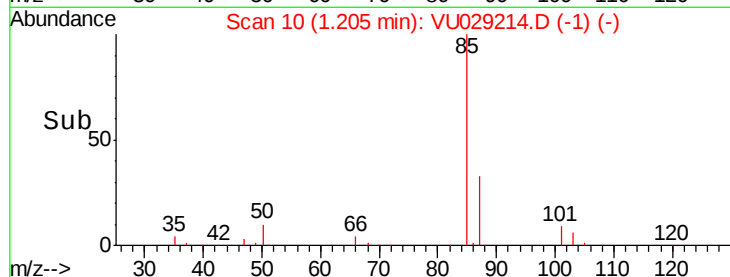
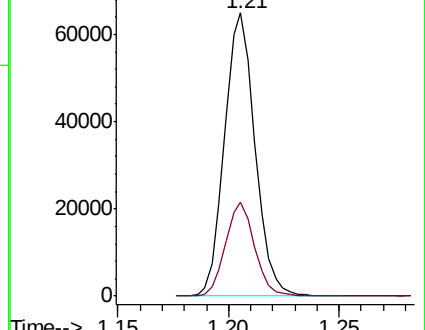
85 100

87 31.6 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU029131.D (-3) (-)

Ion 87.00 (86.70 to 87.70): VU029131.D (-3) (-)



#3

Chloromethane

Concen: 4.954 ug/L

RT: 1.32 min Scan# 47

Delta R.T. -0.00 min

Lab File: VU029214.D

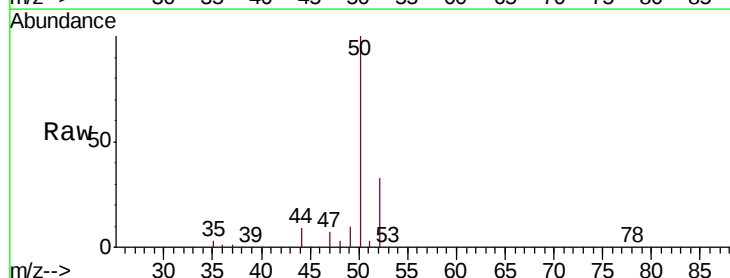
Acq: 18 Jan 2019 09:35

Tgt Ion: 50 Resp: 65881

Ion Ratio Lower Upper

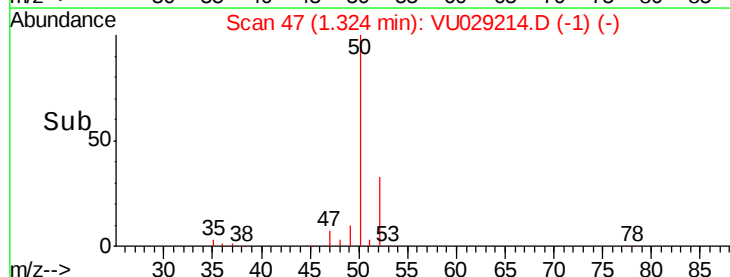
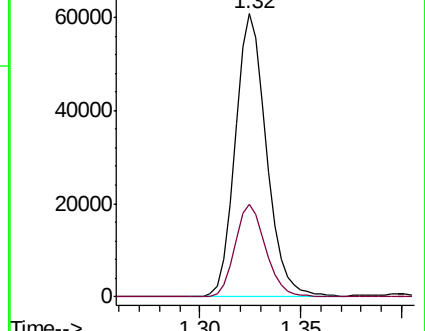
50 100

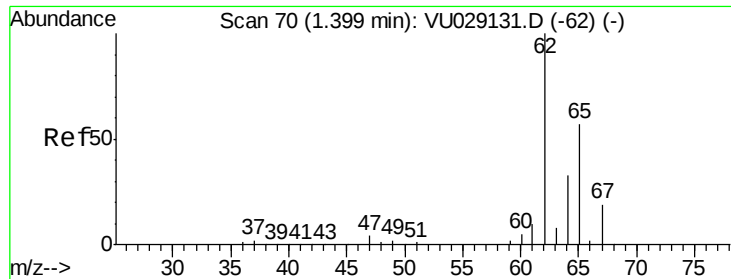
52 32.9 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU029131.D (-38) (-)

Ion 52.05 (51.75 to 52.75): VU029131.D (-38) (-)





#5

Vinyl chloride

Concen: 5.210 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU029214.D

Acq: 18 Jan 2019 09:35

Instrument :

MSVOA_U

ClientSampleId :

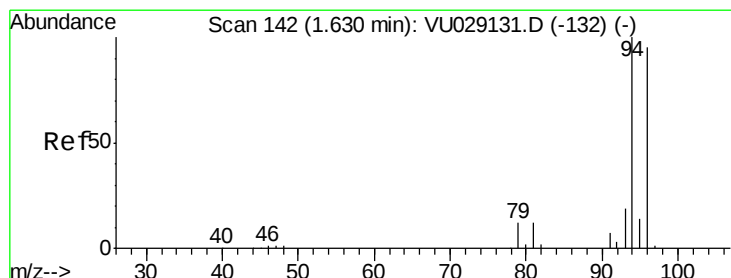
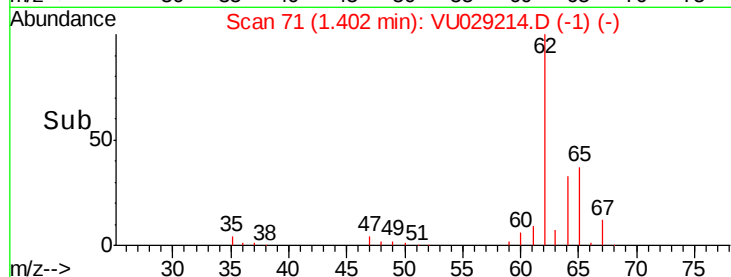
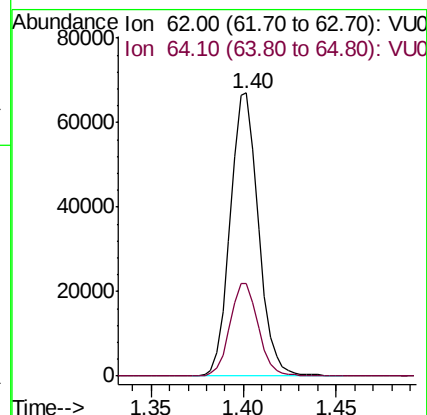
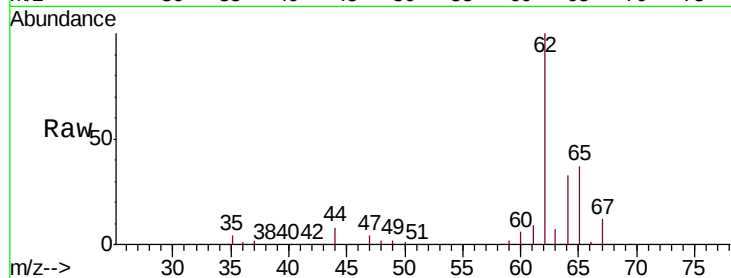
VSTD00555

Tgt Ion: 62 Resp: 70793

Ion Ratio Lower Upper

62 100

64 32.8 21.6 40.2



#6

Bromomethane

Concen: 4.923 ug/L

RT: 1.63 min Scan# 142

Delta R.T. -0.00 min

Lab File: VU029214.D

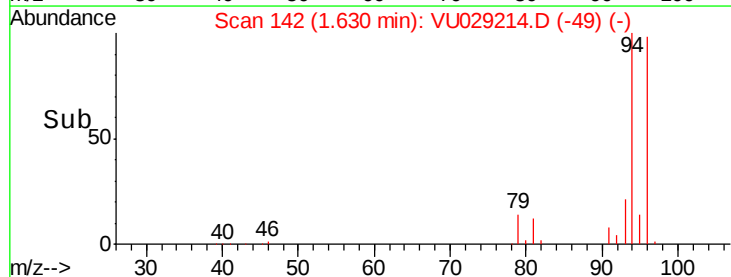
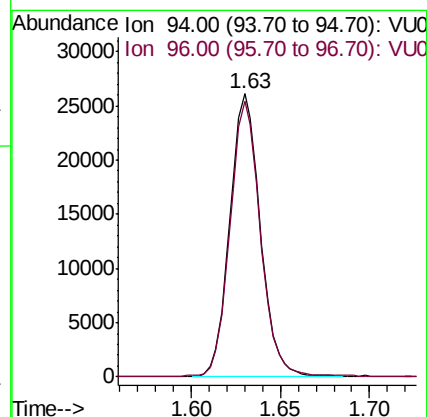
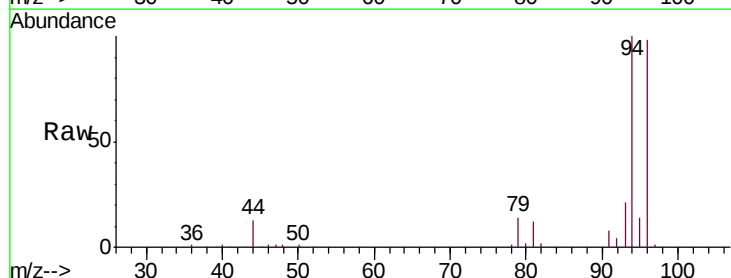
Acq: 18 Jan 2019 09:35

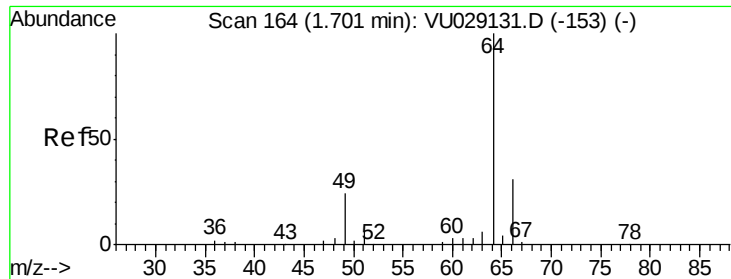
Tgt Ion: 94 Resp: 30969

Ion Ratio Lower Upper

94 100

96 97.5 66.0 122.6





#8

Chloroethane

Concen: 4.895 ug/L

RT: 1.70 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU029214.D

Acq: 18 Jan 2019 09:35

Instrument :

MSVOA_U

ClientSampleId :

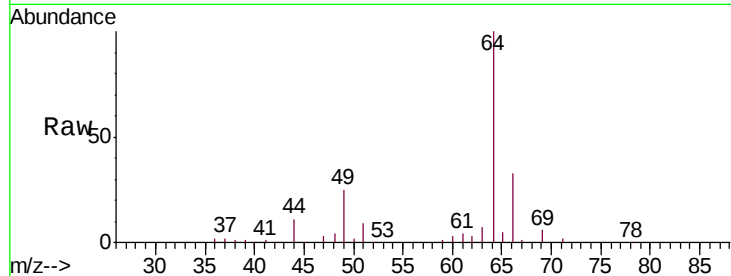
VSTD00555

Tgt Ion: 64 Resp: 37959

Ion Ratio Lower Upper

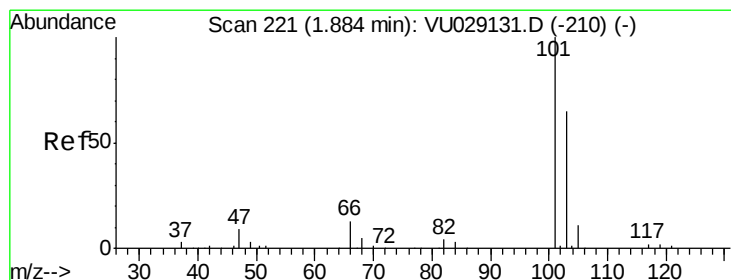
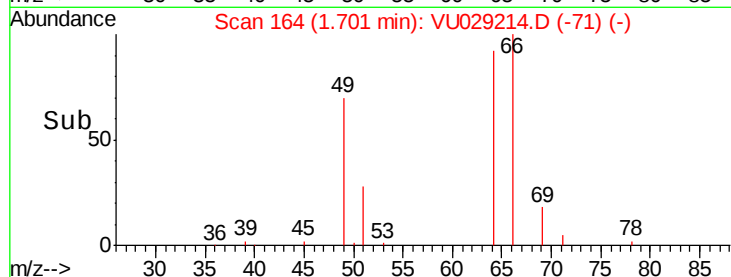
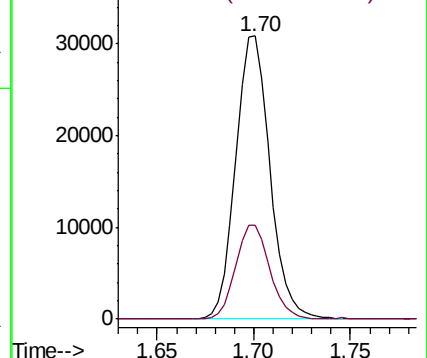
64 100

66 33.4 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#9

Trichlorofluoromethane

Concen: 4.831 ug/L

RT: 1.88 min Scan# 221

Delta R.T. -0.00 min

Lab File: VU029214.D

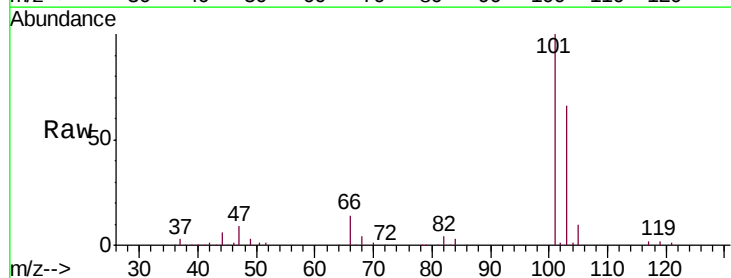
Acq: 18 Jan 2019 09:35

Tgt Ion: 101 Resp: 75074

Ion Ratio Lower Upper

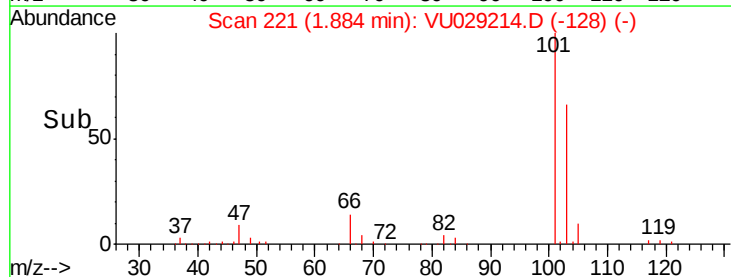
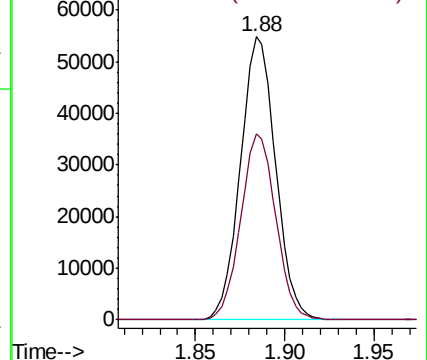
101 100

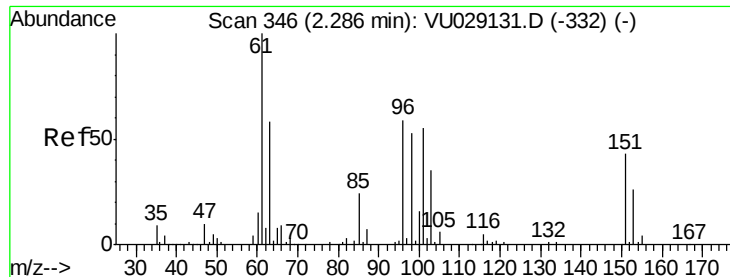
103 65.5 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 4.672 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

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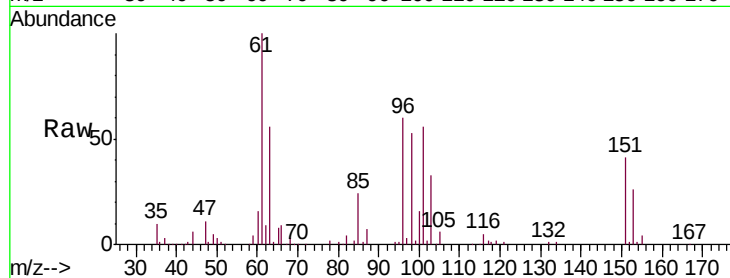
Tgt Ion: 101 Resp: 46846

Ion Ratio Lower Upper

101 100

85 42.2 33.8 50.6

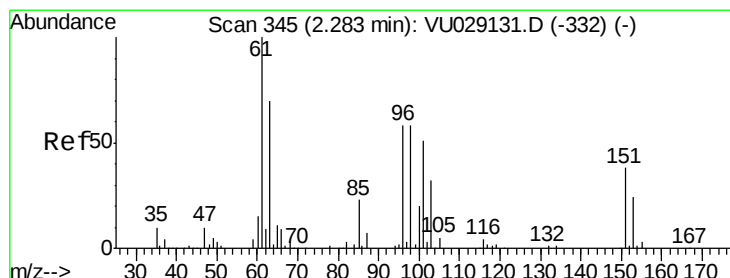
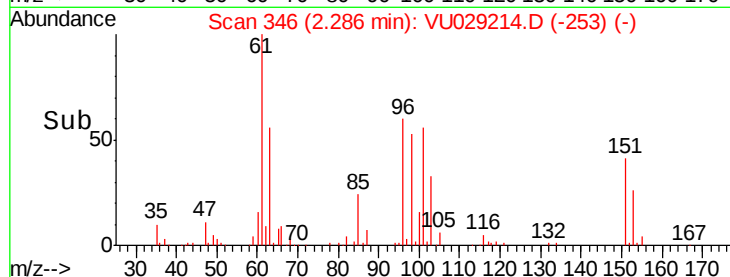
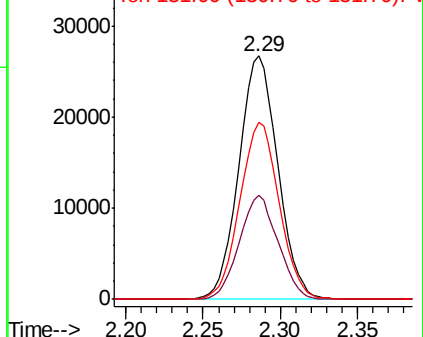
151 73.2 60.9 91.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.592 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU029214.D

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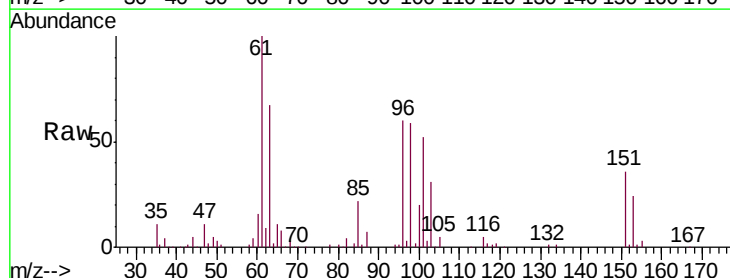
Tgt Ion: 96 Resp: 44777

Ion Ratio Lower Upper

96 100

61 166.7 110.5 205.3

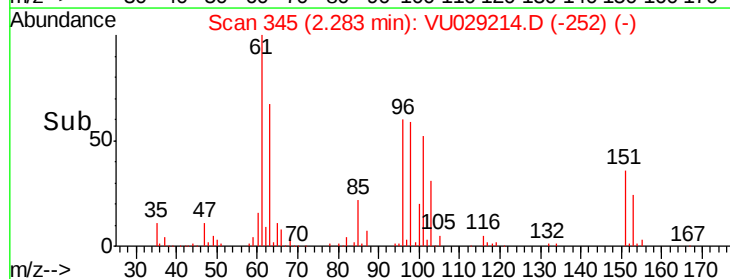
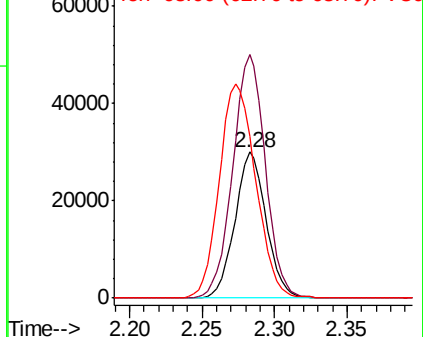
63 110.9 67.6 125.6

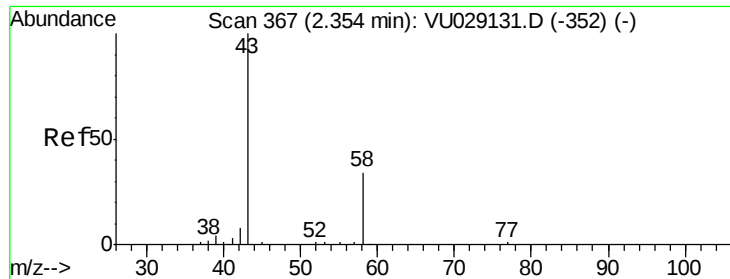


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 53.914 ug/L

RT: 2.36 min Scan# 368

Delta R.T. 0.00 min

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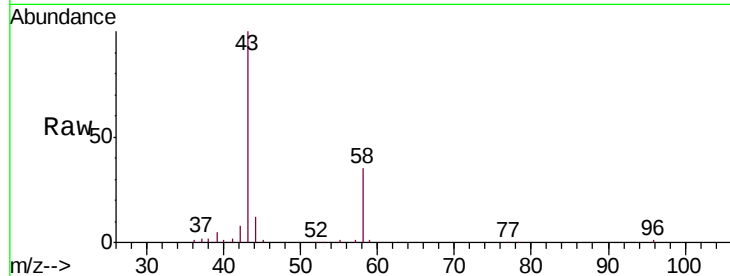
VSTD00555

Tgt Ion: 43 Resp: 82836

Ion Ratio Lower Upper

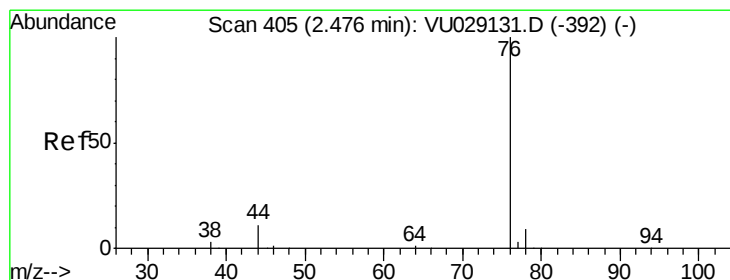
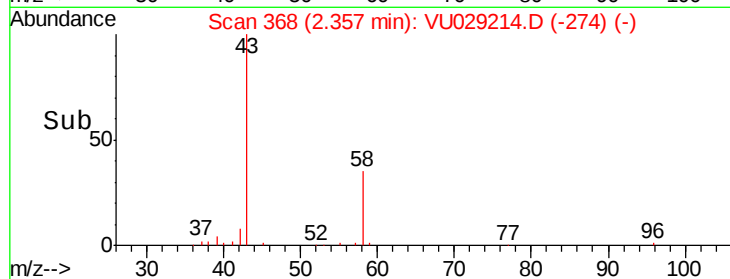
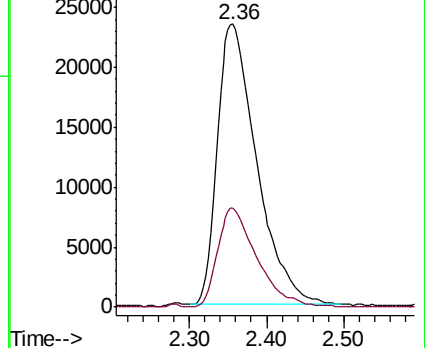
43 100

58 35.2 0.0 71.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 4.657 ug/L

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU029214.D

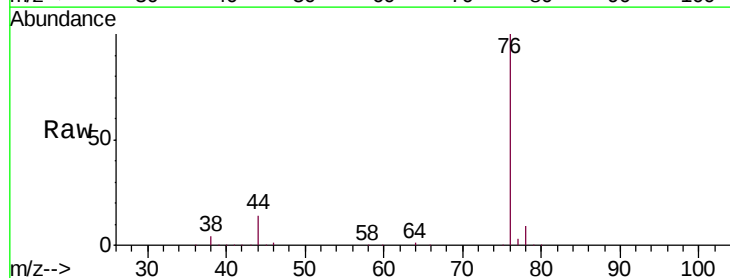
Acq: 18 Jan 2019 09:35

Tgt Ion: 76 Resp: 158657

Ion Ratio Lower Upper

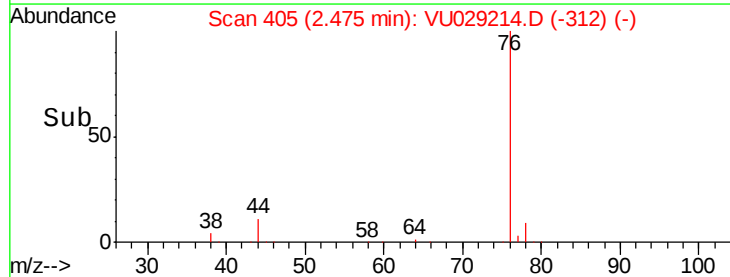
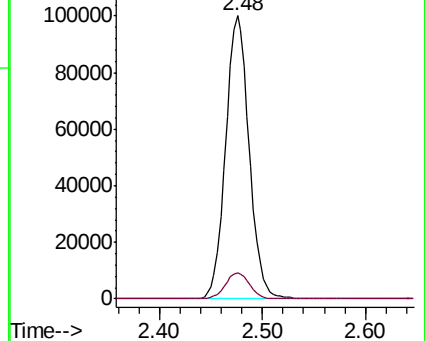
76 100

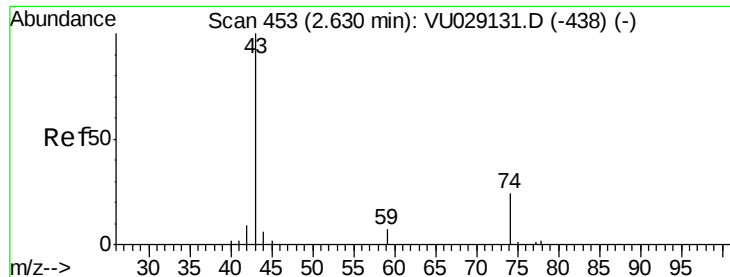
78 9.2 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methyl Acetate

Concen: 5.176 ug/L

RT: 2.63 min Scan# 453

Delta R.T. -0.00 min

Lab File: VU029214.D

Acq: 18 Jan 2019 09:35

Instrument :

MSVOA_U

ClientSampleId :

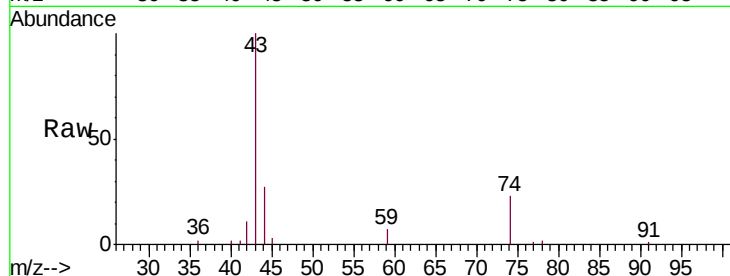
VSTD00555

Tgt Ion: 43 Resp: 23303

Ion Ratio Lower Upper

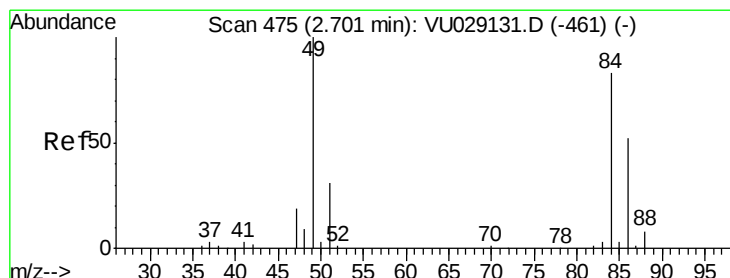
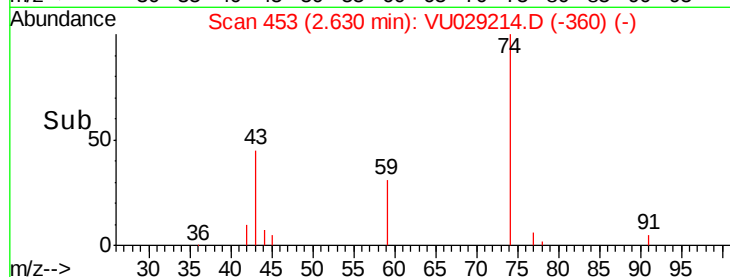
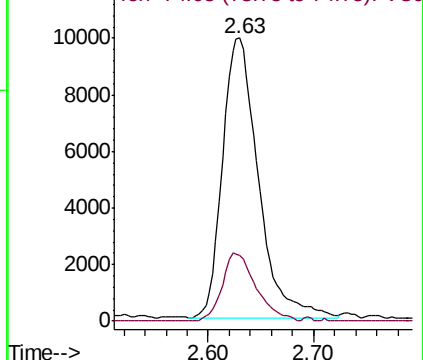
43 100

74 23.0 20.6 30.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 3.512 ug/L

RT: 2.70 min Scan# 475

Delta R.T. -0.00 min

Lab File: VU029214.D

Acq: 18 Jan 2019 09:35

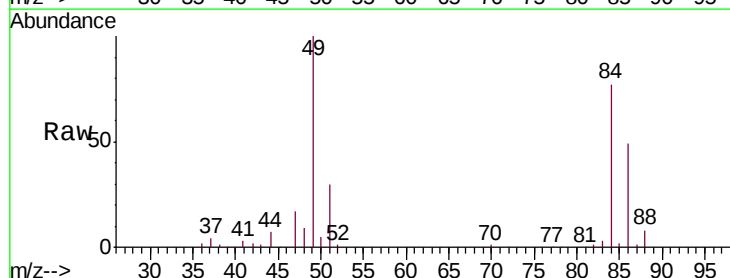
Tgt Ion: 84 Resp: 49020

Ion Ratio Lower Upper

84 100

86 64.0 45.6 84.6

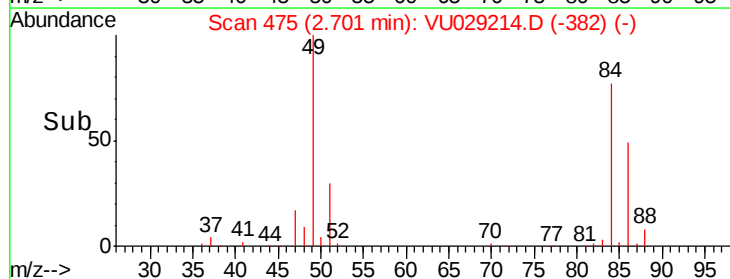
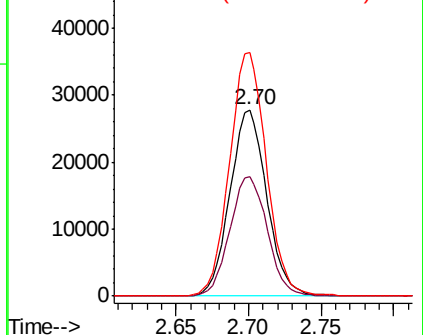
49 130.5 79.7 148.1

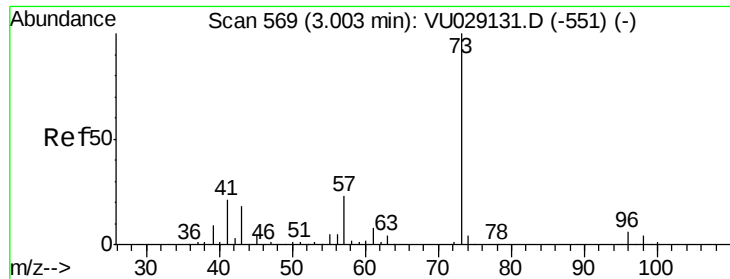


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

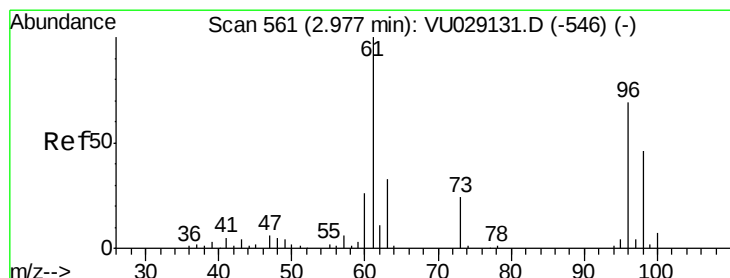
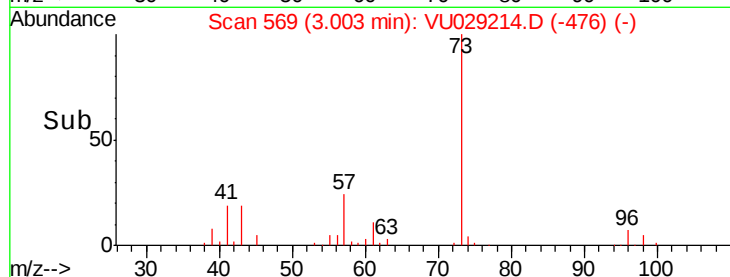
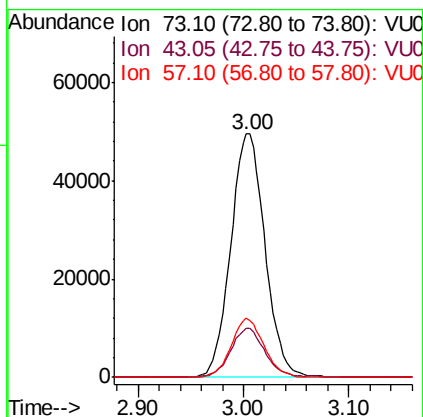
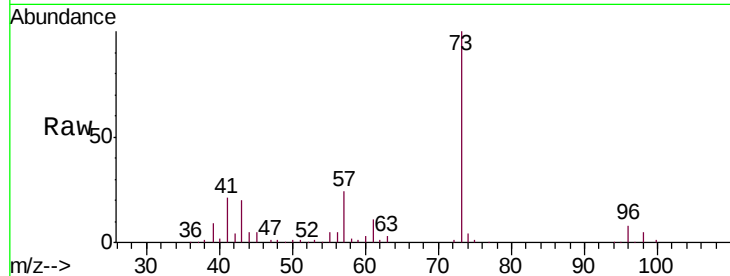




#17
Methyl tert-butyl Ether
Concen: 4.649 ug/L
RT: 3.00 min Scan# 569
Delta R.T. -0.00 min
Lab File: VU029214.D
Acq: 18 Jan 2019 09:35

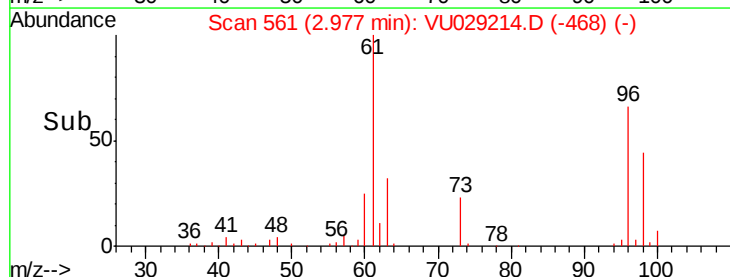
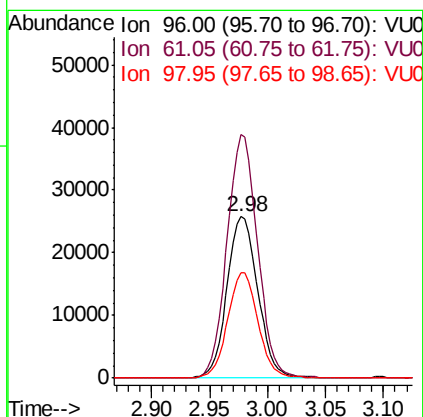
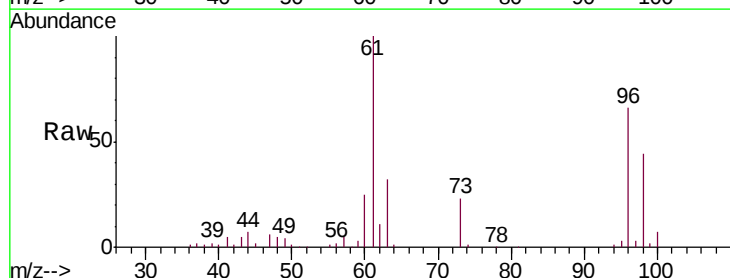
Instrument :
MSVOA_U
ClientSampleId :
VSTD00555

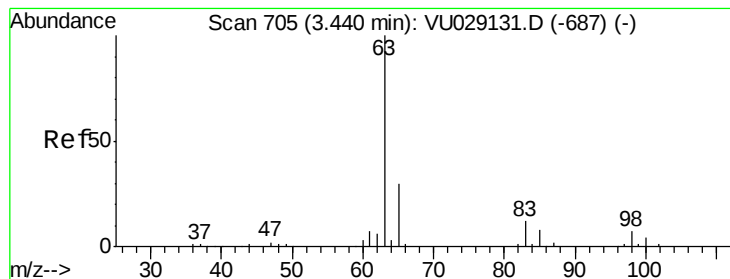
Tgt Ion: 73 Resp: 111304
Ion Ratio Lower Upper
73 100
43 20.2 13.8 20.8
57 22.9 17.5 26.3



#18
trans-1,2-Dichloroethene
Concen: 4.454 ug/L
RT: 2.98 min Scan# 561
Delta R.T. -0.00 min
Lab File: VU029214.D
Acq: 18 Jan 2019 09:35

Tgt Ion: 96 Resp: 47680
Ion Ratio Lower Upper
96 100
61 151.0 96.6 179.4
98 65.7 46.0 85.4





#19

1,1-Dichloroethane

Concen: 5.106 ug/L

RT: 3.44 min Scan# 705

Delta R.T. -0.00 min

Lab File: VU029214.D

Acq: 18 Jan 2019 09:35

Instrument :

MSVOA_U

ClientSampled :

VSTD00555

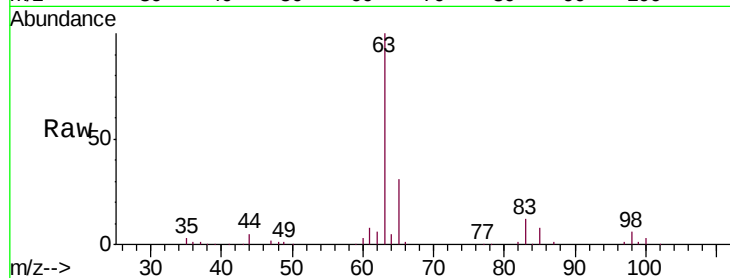
Tgt Ion: 63 Resp: 92808

Ion Ratio Lower Upper

63 100

65 31.5 21.8 40.6

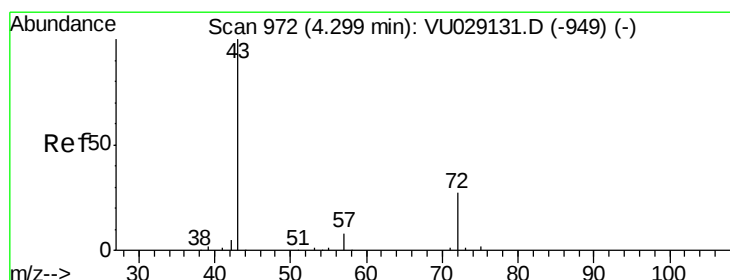
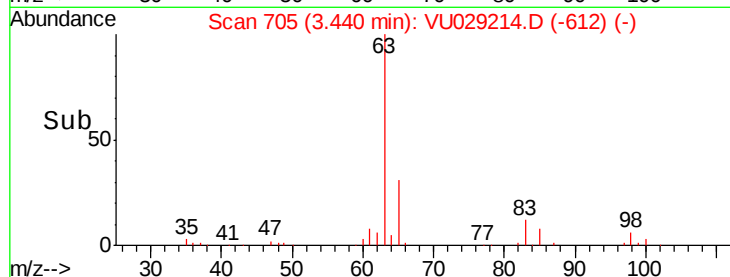
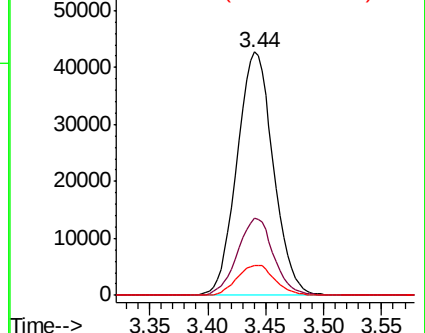
83 12.3 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0



#21

2-Butanone

Concen: 59.875 ug/L

RT: 4.30 min Scan# 972

Delta R.T. -0.00 min

Lab File: VU029214.D

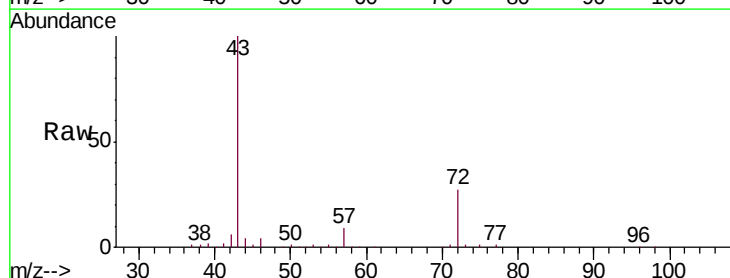
Acq: 18 Jan 2019 09:35

Tgt Ion: 43 Resp: 137634

Ion Ratio Lower Upper

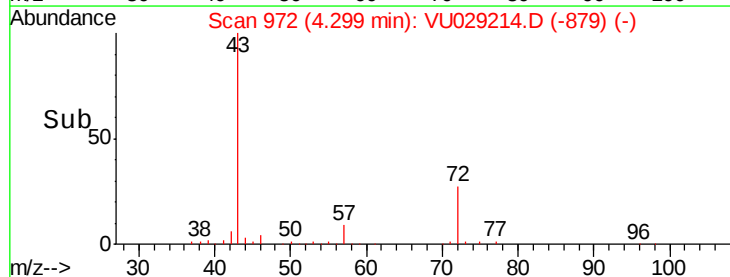
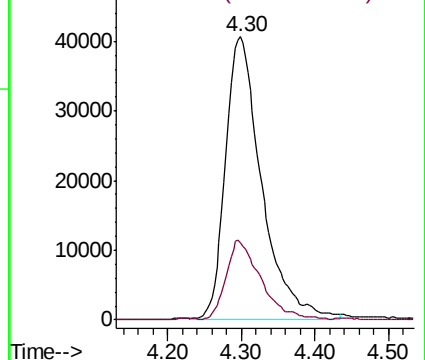
43 100

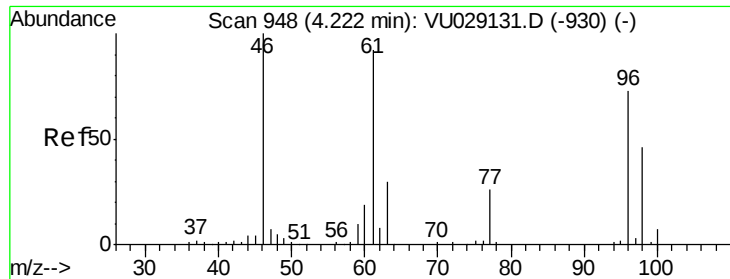
72 26.9 15.2 45.5



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 72.10 (71.80 to 72.80): VU0



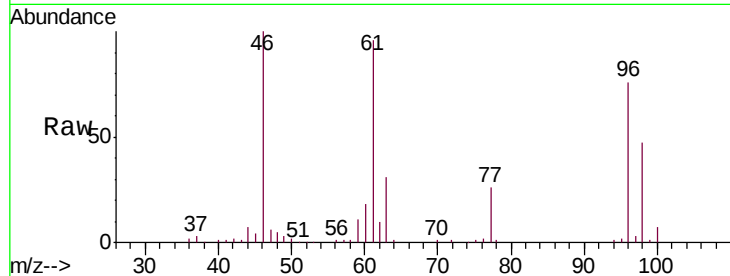


#22

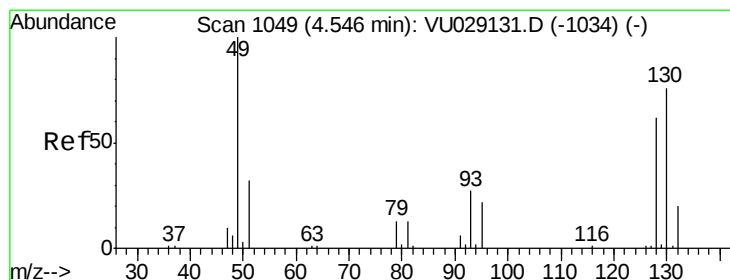
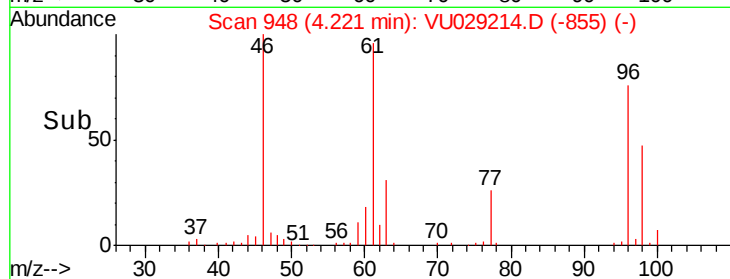
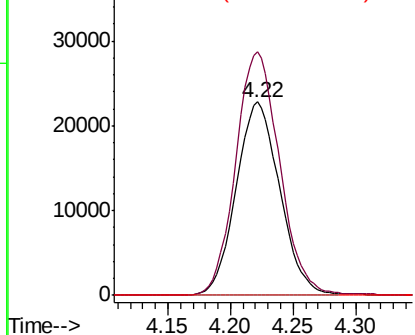
cis-1,2-Dichloroethene
 Concen: 4.977 ug/L
 RT: 4.22 min Scan# 948
 Delta R.T. -0.00 min
 Lab File: VU029214.D
 Acq: 18 Jan 2019 09:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00555

Tgt Ion: 96 Resp: 55114
 Ion Ratio Lower Upper
 96 100
 61 125.8 84.7 157.3
 68 0.0 0.0 0.0



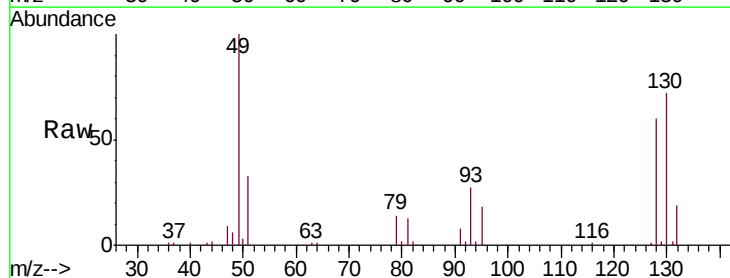
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



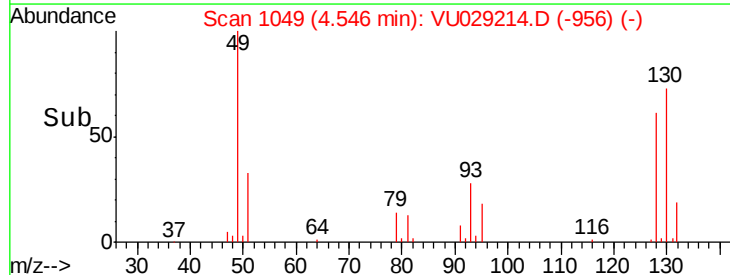
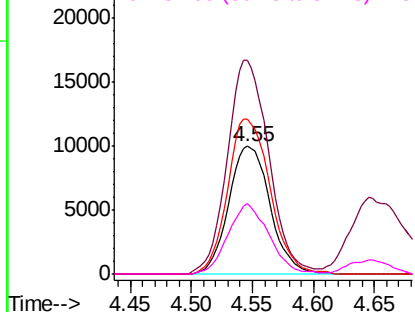
#23

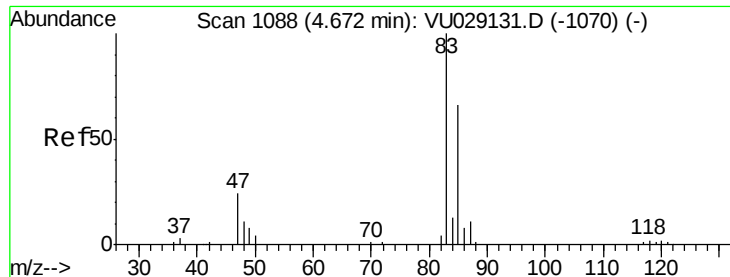
Bromochloromethane
 Concen: 5.240 ug/L
 RT: 4.55 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU029214.D
 Acq: 18 Jan 2019 09:35

Tgt Ion: 128 Resp: 23549
 Ion Ratio Lower Upper
 128 100
 49 167.6 109.3 202.9
 130 121.0 88.7 164.7
 51 55.0 38.8 58.2



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

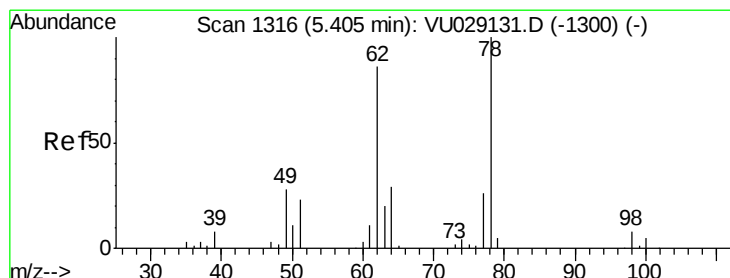
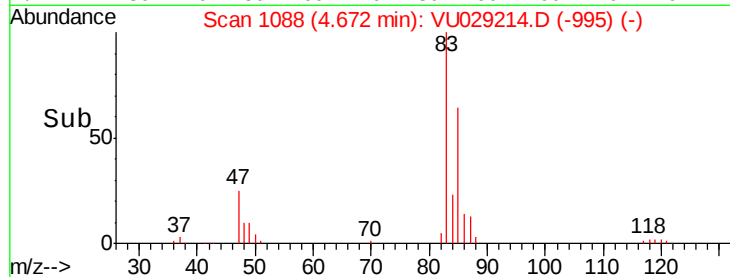
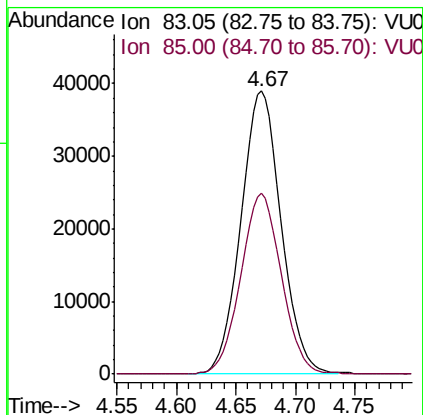
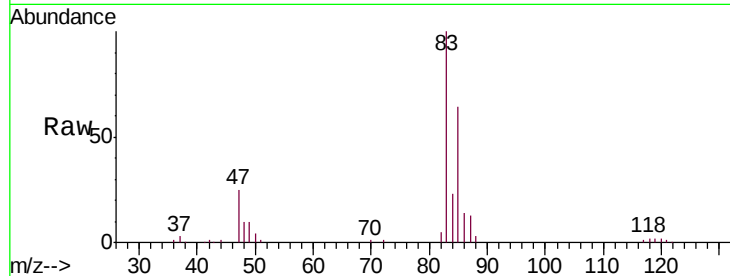




#25
 Chloroform
 Concen: 5.282 ug/L
 RT: 4.67 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VU029214.D
 Acq: 18 Jan 2019 09:35

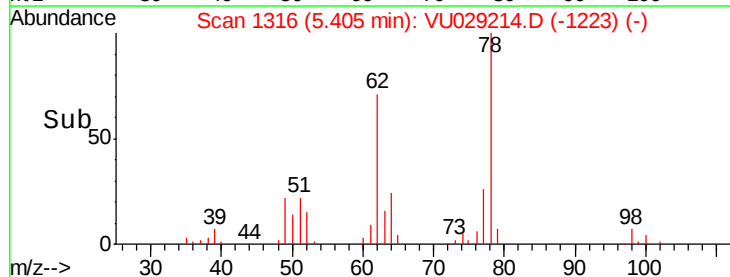
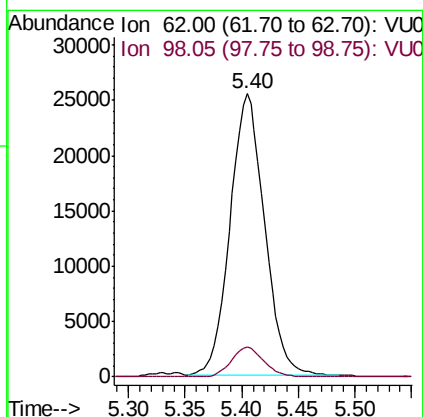
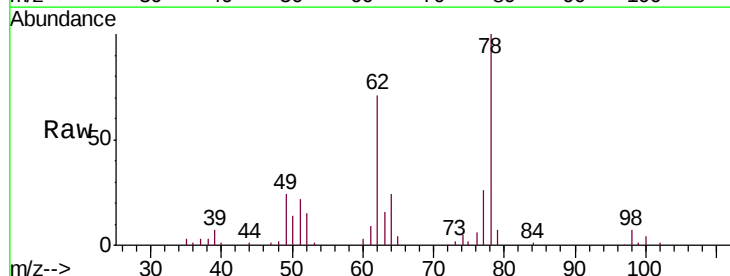
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00555

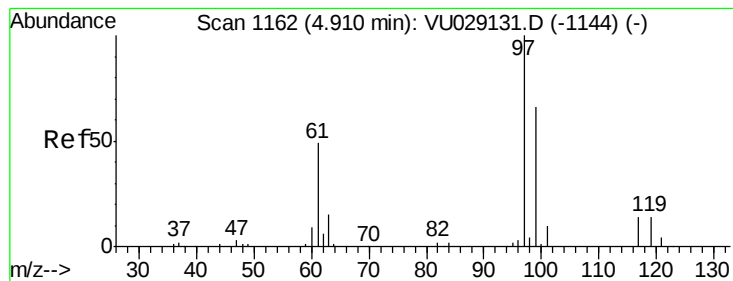
Tgt Ion: 83 Resp: 91206
 Ion Ratio Lower Upper
 83 100
 85 63.8 45.6 84.8



#27
 1,2-Dichloroethane
 Concen: 5.288 ug/L
 RT: 5.40 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VU029214.D
 Acq: 18 Jan 2019 09:35

Tgt Ion: 62 Resp: 54020
 Ion Ratio Lower Upper
 62 100
 98 10.5 8.2 12.2





#29

1,1,1-Trichloroethane

Concen: 5.019 ug/L

RT: 4.91 min Scan# 1162

Delta R.T. -0.00 min

Lab File: VU029214.D

Acq: 18 Jan 2019 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD00555

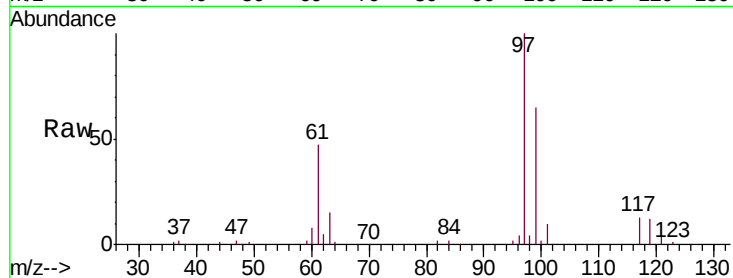
Tgt Ion: 97 Resp: 72713

Ion Ratio Lower Upper

97 100

99 65.7 51.6 77.4

61 45.8 34.1 51.1

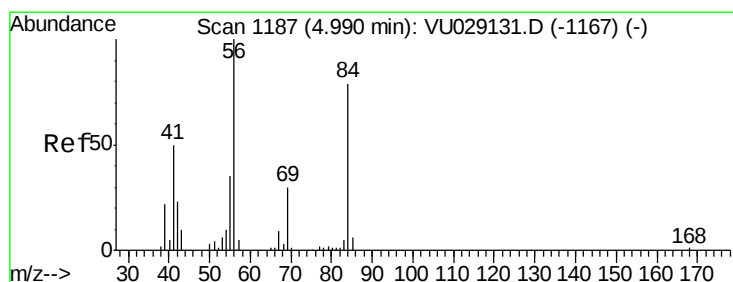
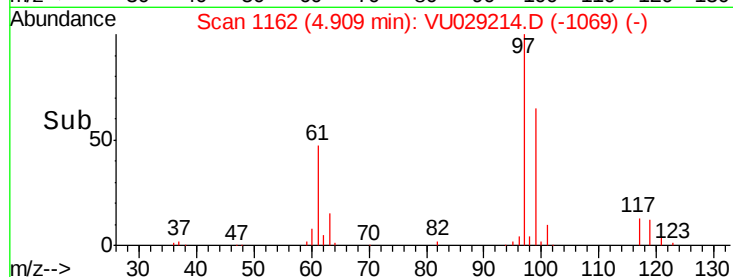
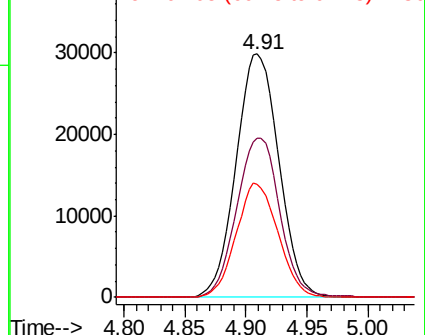


Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0



#30

Cyclohexane

Concen: 4.935 ug/L

RT: 4.99 min Scan# 1186

Delta R.T. -0.00 min

Lab File: VU029214.D

Acq: 18 Jan 2019 09:35

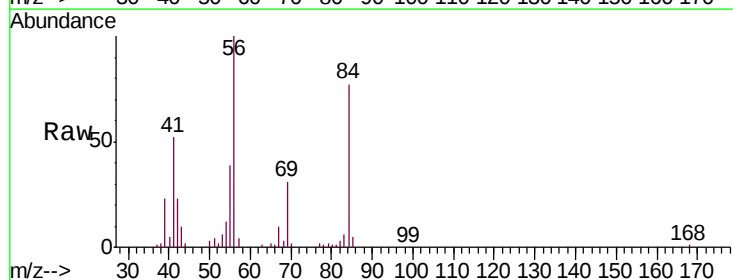
Tgt Ion: 56 Resp: 85662

Ion Ratio Lower Upper

56 100

69 29.9 24.8 37.2

84 79.1 69.1 103.7

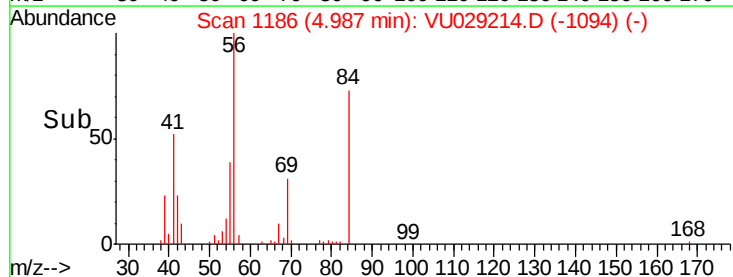
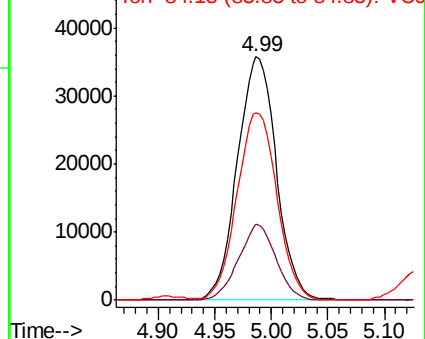


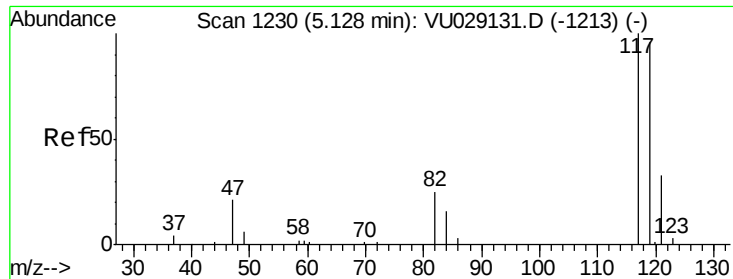
Abundance

Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.198 ug/L

RT: 5.13 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VU029214.D

Acq: 18 Jan 2019 09:35

Instrument :

MSVOA_U

ClientSampleId :

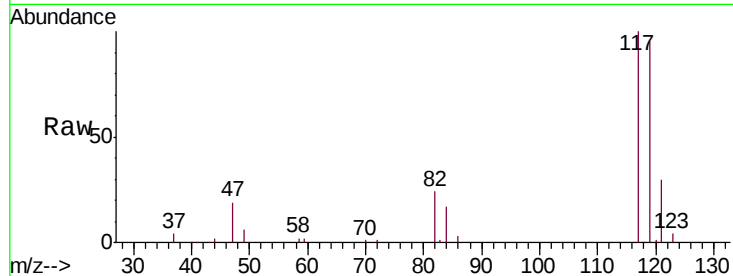
VSTD00555

Tgt Ion:117 Resp: 59961

Ion Ratio Lower Upper

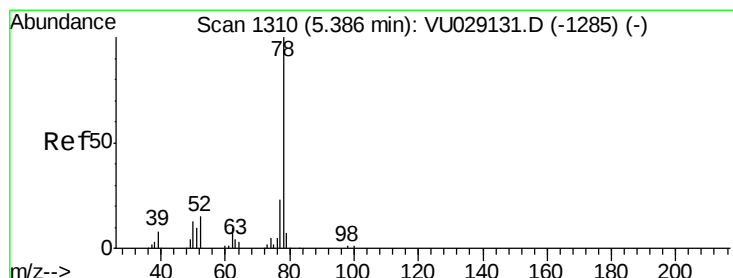
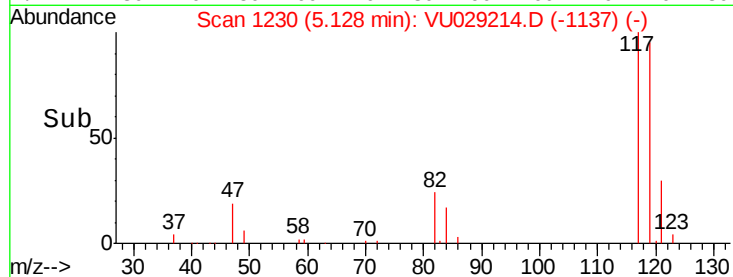
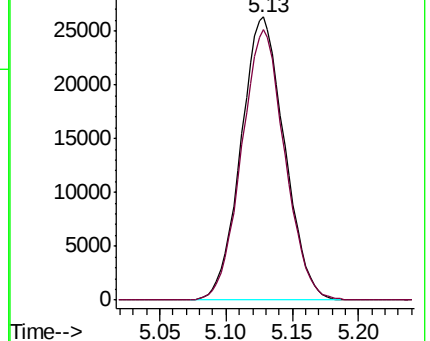
117 100

119 94.6 75.4 113.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.990 ug/L

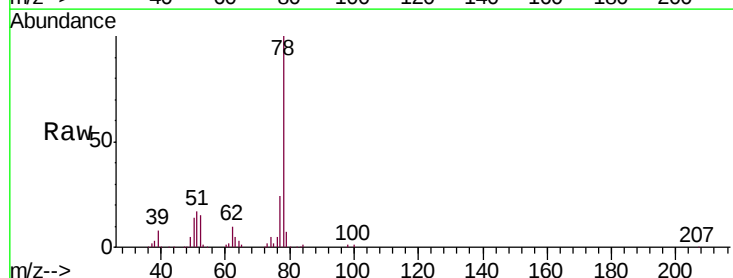
RT: 5.39 min Scan# 1310

Delta R.T. -0.00 min

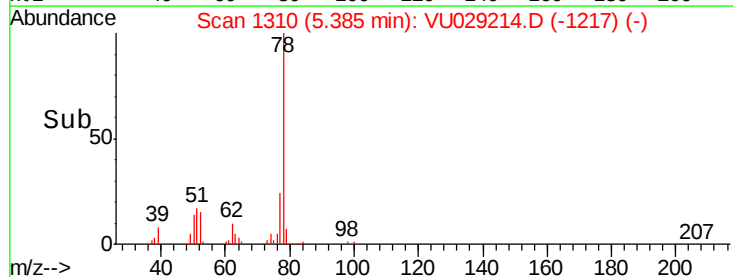
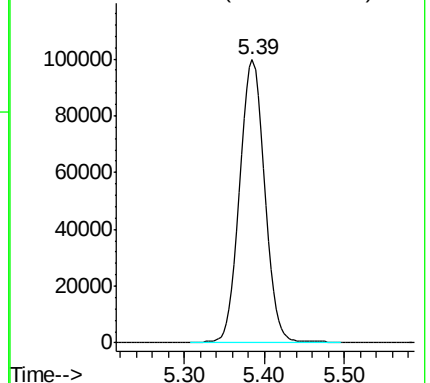
Lab File: VU029214.D

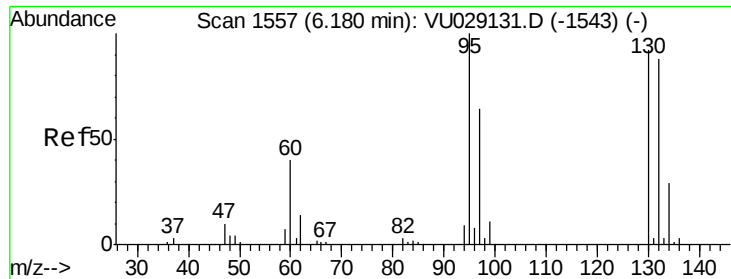
Acq: 18 Jan 2019 09:35

Tgt Ion: 78 Resp: 210493



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.916 ug/L

RT: 6.18 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VU029214.D

Acq: 18 Jan 2019 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD00555

Tgt Ion: 95 Resp: 53013

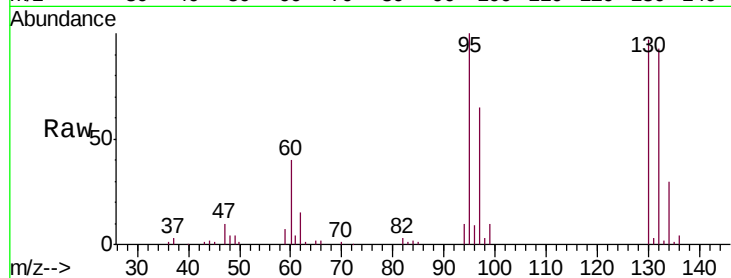
Ion Ratio Lower Upper

95 100

97 64.5 45.4 84.2

132 93.2 70.8 131.6

130 96.6 70.7 131.3

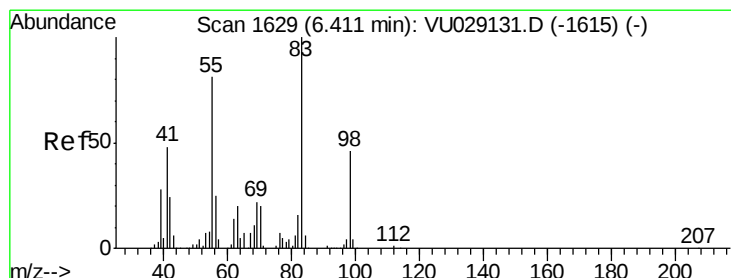
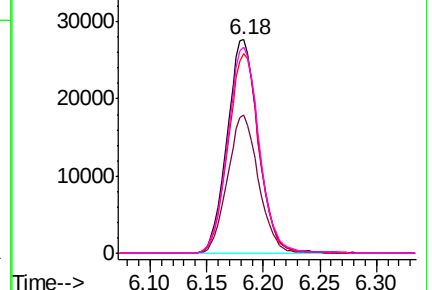
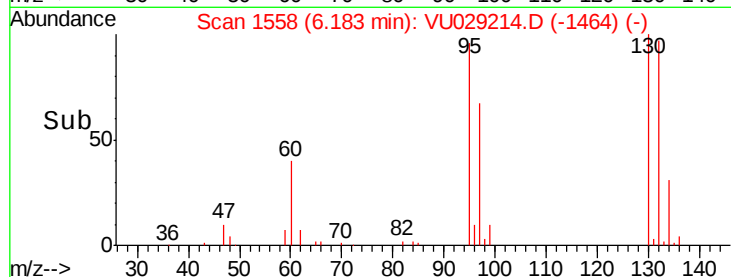


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.619 ug/L

RT: 6.41 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VU029214.D

Acq: 18 Jan 2019 09:35

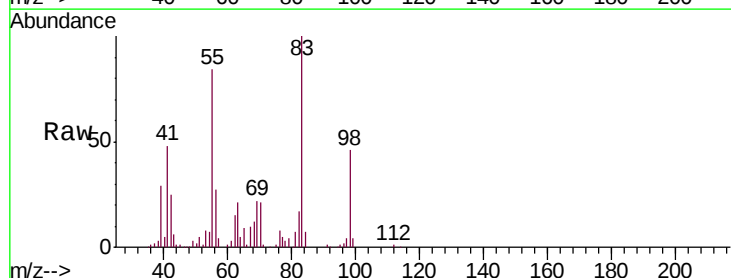
Tgt Ion: 83 Resp: 85574

Ion Ratio Lower Upper

83 100

55 81.4 59.8 89.6

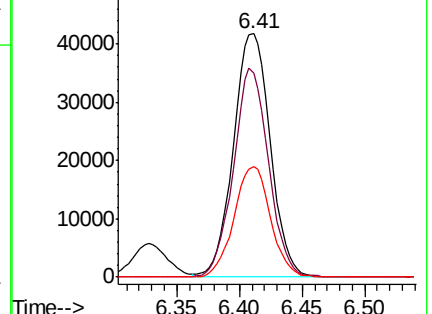
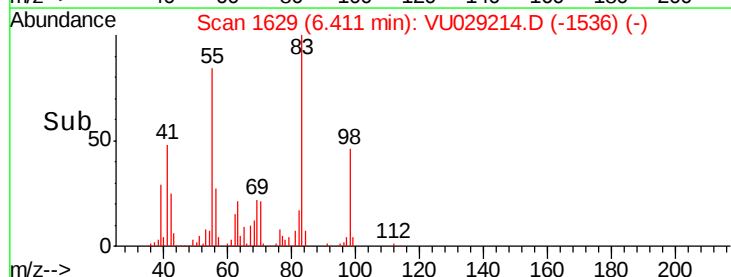
98 44.9 37.0 55.6

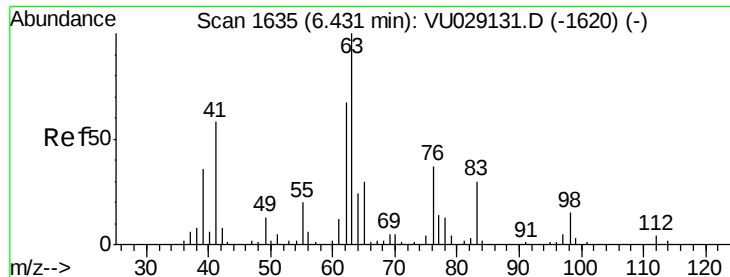


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

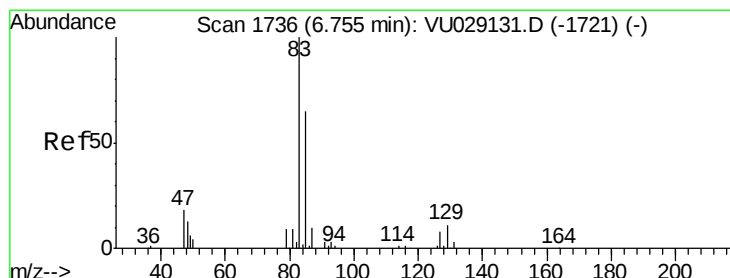
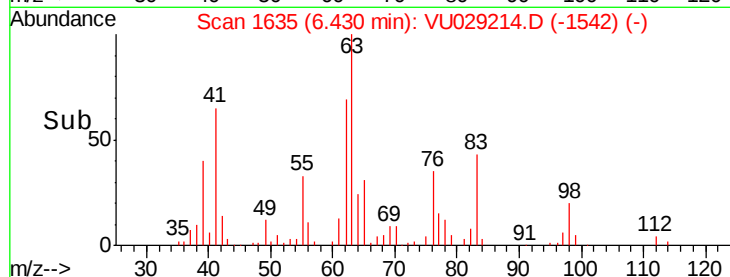
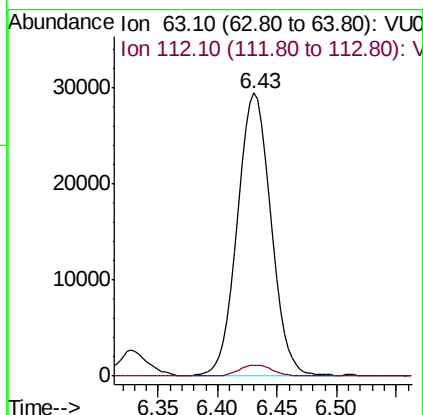
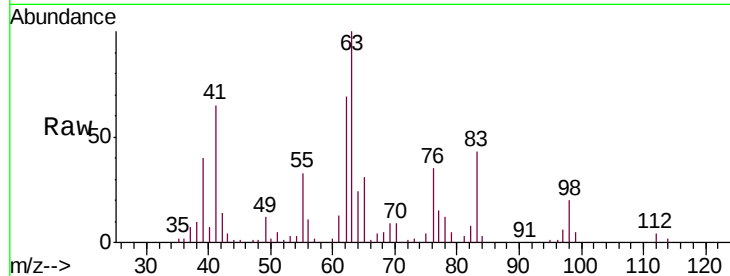




#37
 1,2-Dichloropropane
 Concen: 5.389 ug/L
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU029214.D
 Acq: 18 Jan 2019 09:35

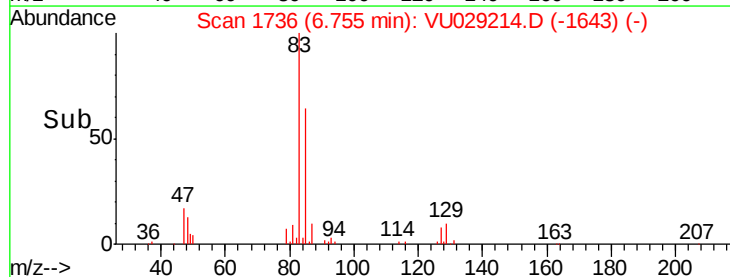
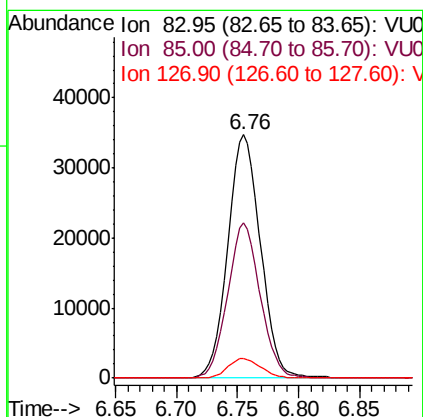
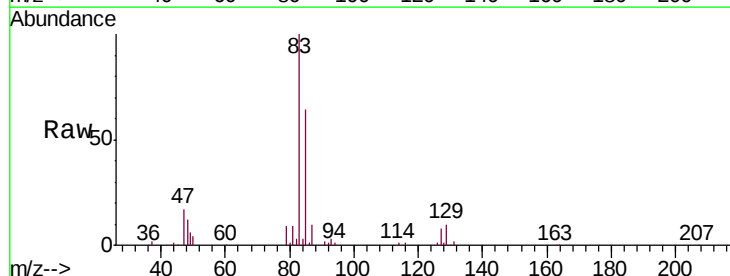
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00555

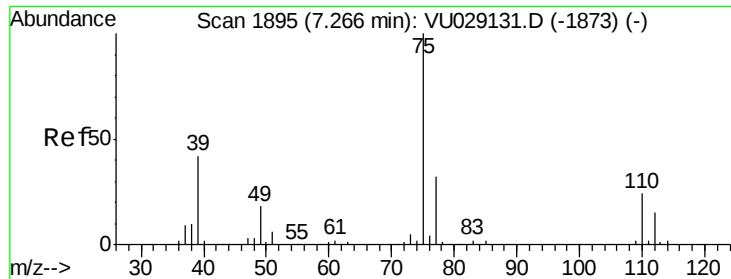
Tgt Ion: 63 Resp: 57912
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.0 4.4



#38
 Bromodichloromethane
 Concen: 5.376 ug/L
 RT: 6.76 min Scan# 1736
 Delta R.T. -0.00 min
 Lab File: VU029214.D
 Acq: 18 Jan 2019 09:35

Tgt Ion: 83 Resp: 65047
 Ion Ratio Lower Upper
 83 100
 85 63.8 45.1 83.9
 127 8.1 6.8 10.2

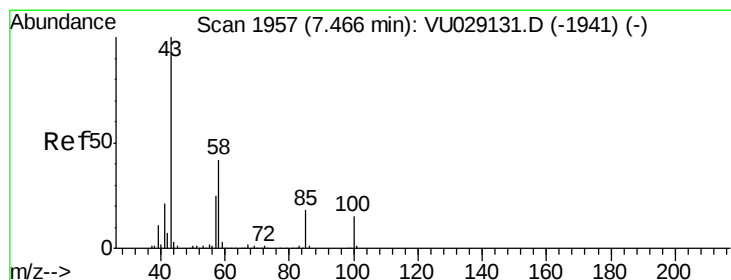
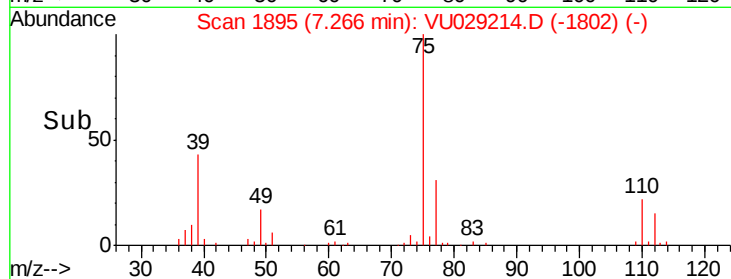
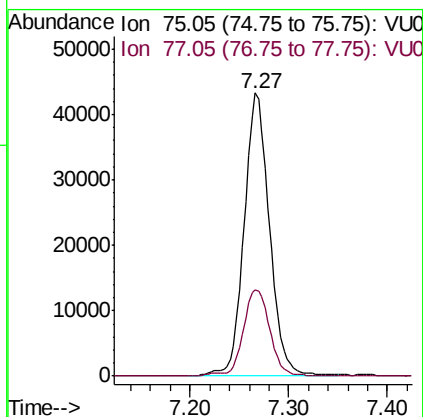
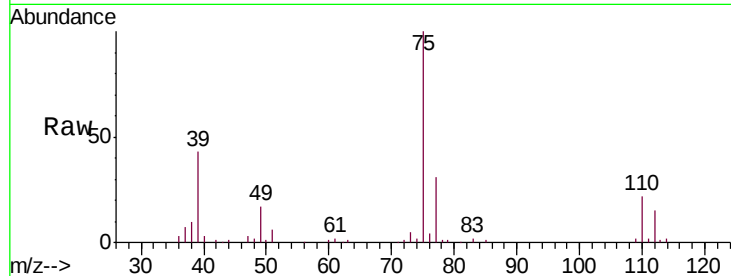




#39
 cis-1,3-Dichloropropene
 Concen: 5.002 ug/L
 RT: 7.27 min Scan# 1895
 Delta R.T. -0.00 min
 Lab File: VU029214.D
 Acq: 18 Jan 2019 09:35

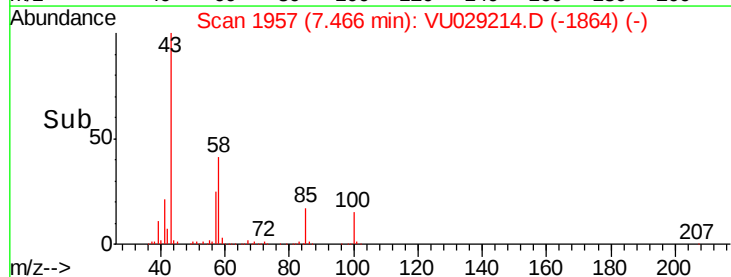
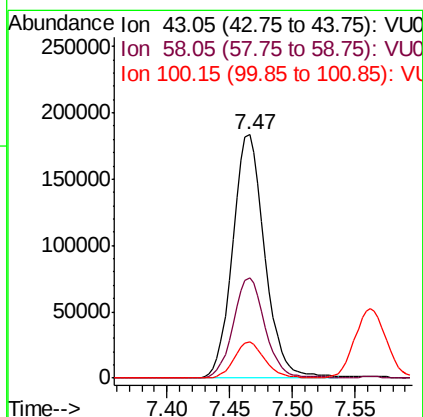
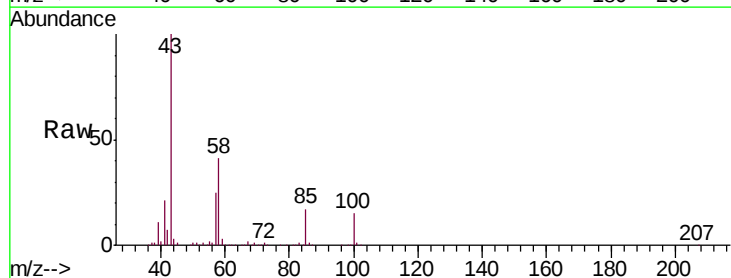
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00555

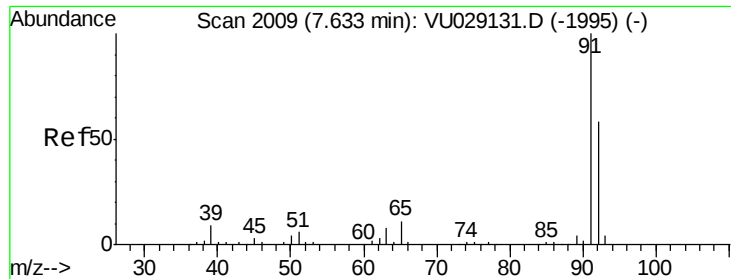
Tgt Ion: 75 Resp: 77065
 Ion Ratio Lower Upper
 75 100
 77 30.6 21.5 39.9



#40
 4-Methyl-2-pentanone
 Concen: 57.055 ug/L
 RT: 7.47 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU029214.D
 Acq: 18 Jan 2019 09:35

Tgt Ion: 43 Resp: 326241
 Ion Ratio Lower Upper
 43 100
 58 40.8 34.6 51.8
 100 14.3 13.4 20.0





#42

Toluene

Concen: 4.857 ug/L

RT: 7.63 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU029214.D

Acq: 18 Jan 2019 09:35

Instrument :

MSVOA_U

ClientSampleId :

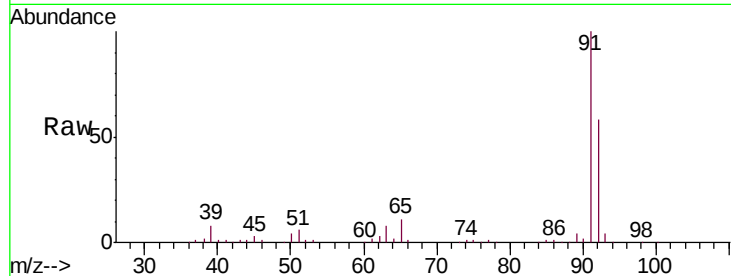
VSTD00555

Tgt Ion: 91 Resp: 219307

Ion Ratio Lower Upper

91 100

92 57.9 39.3 73.1



Abundance Ion 91.15 (90.85 to 91.85): VU029131.D (-1995) (-)

Ion 92.15 (91.85 to 92.85): VU029131.D (-1995) (-)

7.63

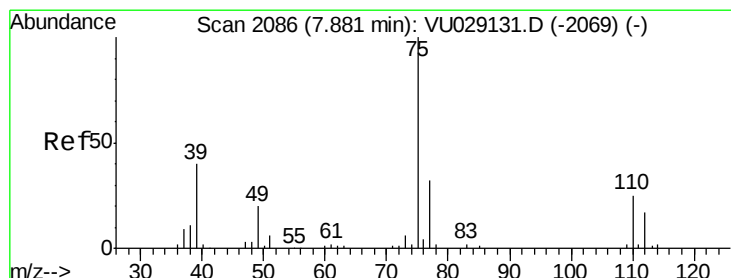
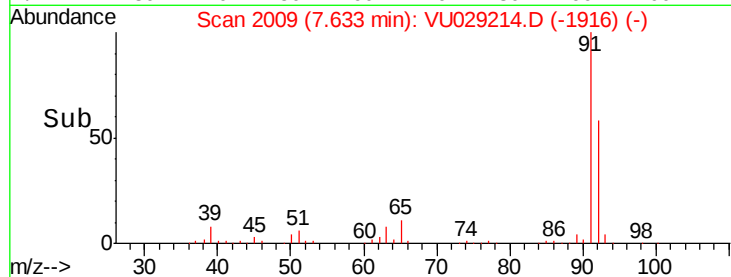
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.265 ug/L

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU029214.D

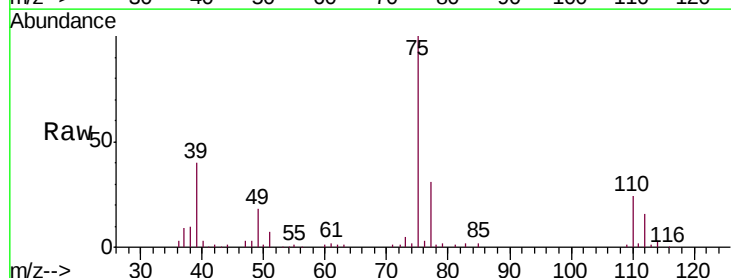
Acq: 18 Jan 2019 09:35

Tgt Ion: 75 Resp: 63213

Ion Ratio Lower Upper

75 100

77 30.7 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VU029131.D (-2069) (-)

Ion 77.05 (76.75 to 77.75): VU029131.D (-2069) (-)

7.88

40000

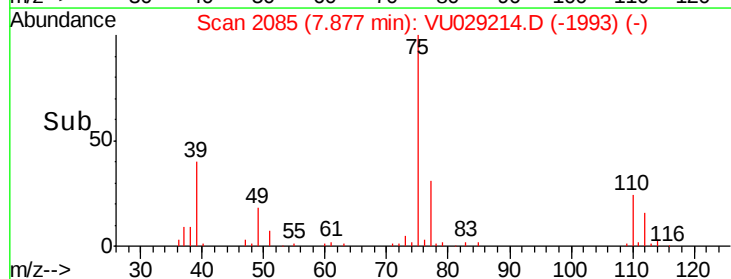
30000

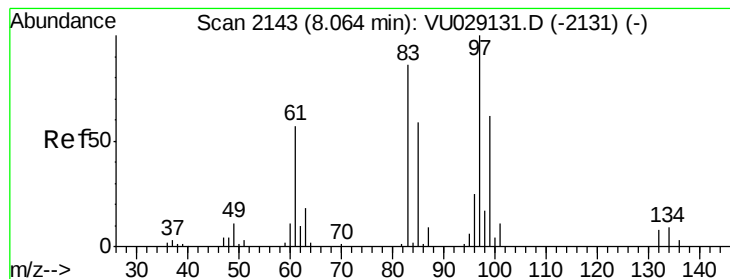
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.141 ug/L

RT: 8.07 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU029214.D

Acq: 18 Jan 2019 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD00555

Tgt Ion: 97 Resp: 37594

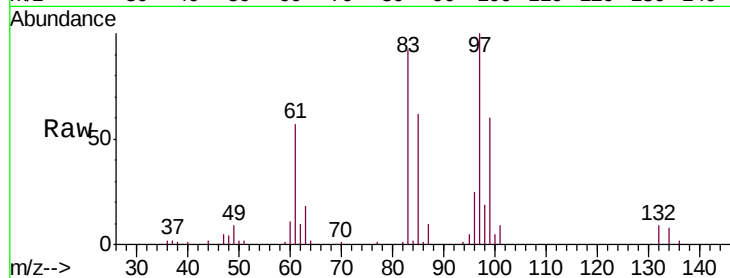
Ion Ratio Lower Upper

97 100

99 60.3 42.4 78.6

83 92.4 59.6 110.6

85 61.6 39.0 72.4



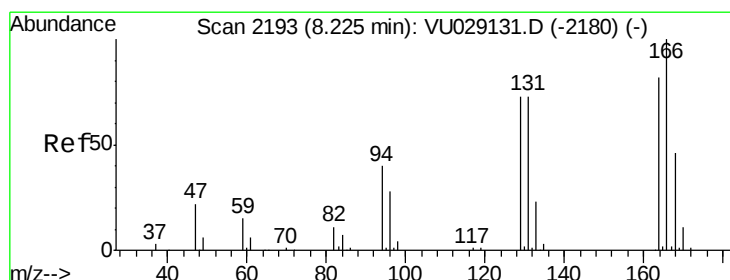
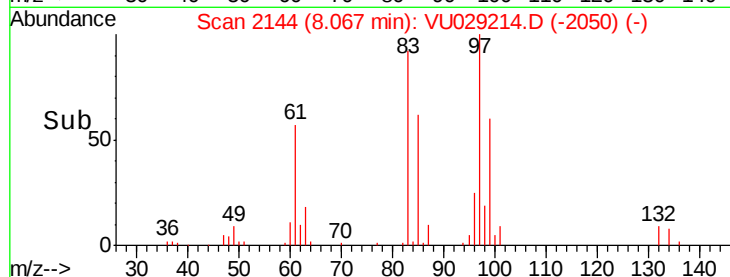
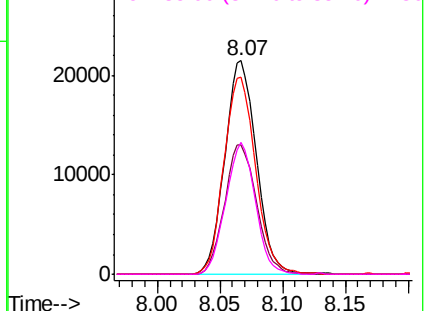
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 4.619 ug/L

RT: 8.22 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU029214.D

Acq: 18 Jan 2019 09:35

Tgt Ion: 164 Resp: 41262

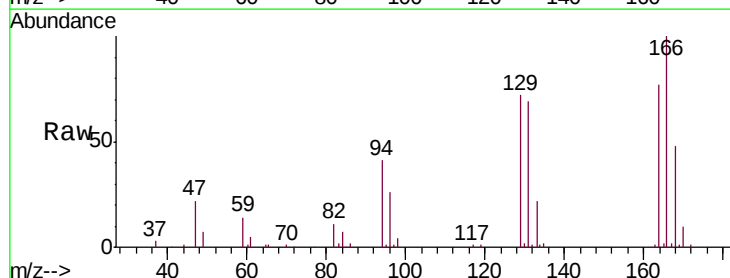
Ion Ratio Lower Upper

164 100

129 94.1 65.3 121.3

131 89.4 62.9 116.7

166 130.0 86.7 160.9



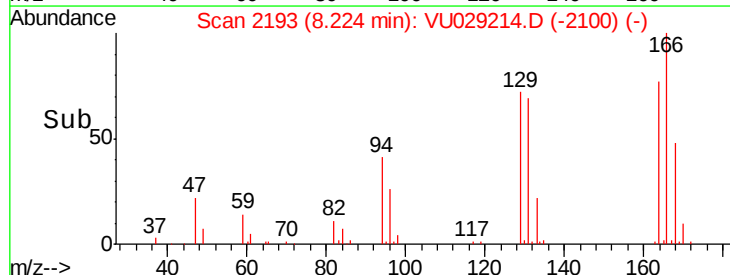
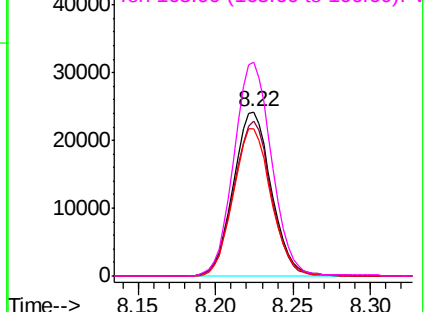
Abundance

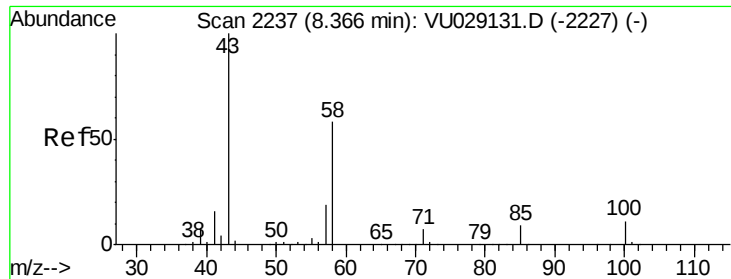
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

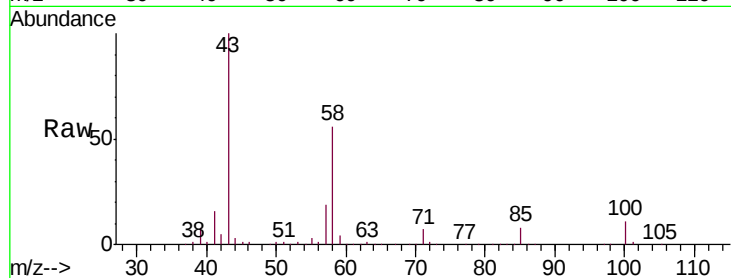




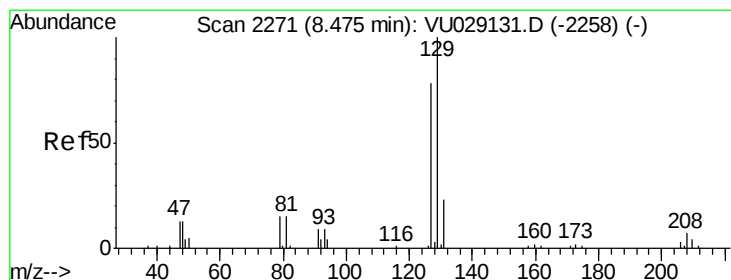
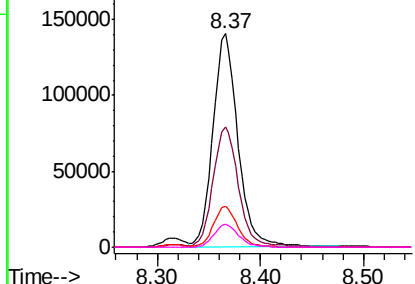
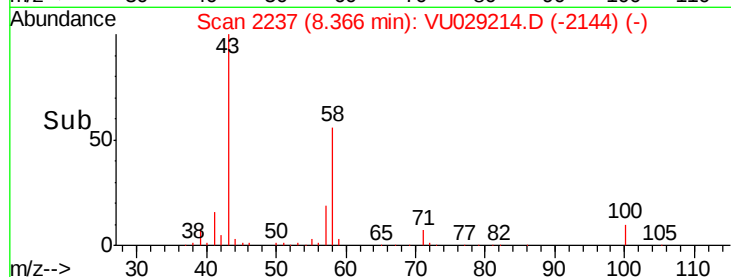
#48
2-Hexanone
Concen: 59.614 ug/L
RT: 8.37 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VU029214.D
Acq: 18 Jan 2019 09:35

Instrument :
MSVOA_U
ClientSampleId :
VSTD00555

Tgt Ion: 43 Resp: 235794
Ion Ratio Lower Upper
43 100
58 57.6 48.8 73.2
57 18.7 16.0 24.0
100 11.0 10.2 15.4

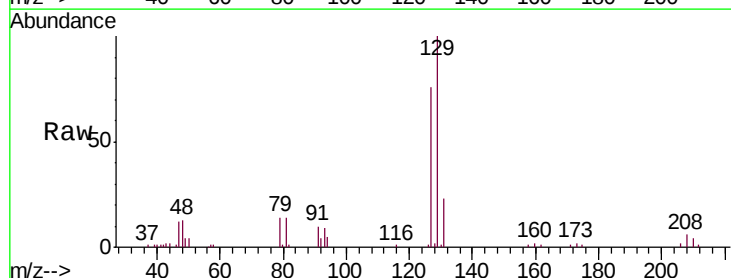


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

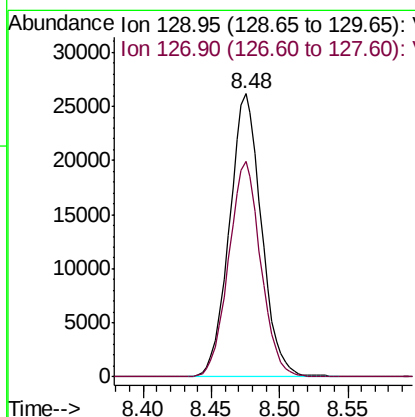
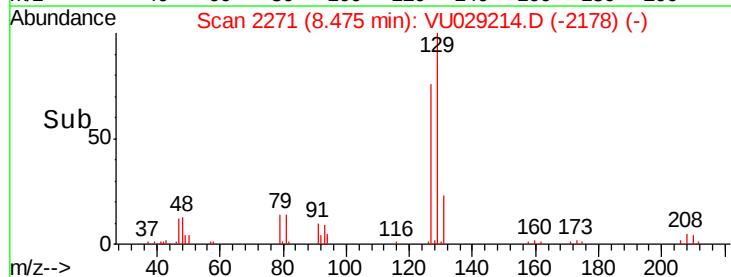


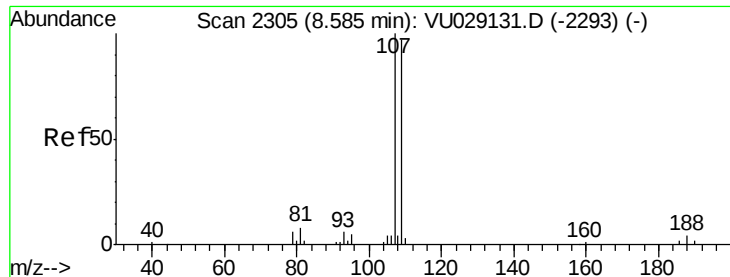
#49
Dibromochloromethane
Concen: 5.499 ug/L
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU029214.D
Acq: 18 Jan 2019 09:35

Tgt Ion: 129 Resp: 42692
Ion Ratio Lower Upper
129 100
127 76.4 54.4 101.0



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

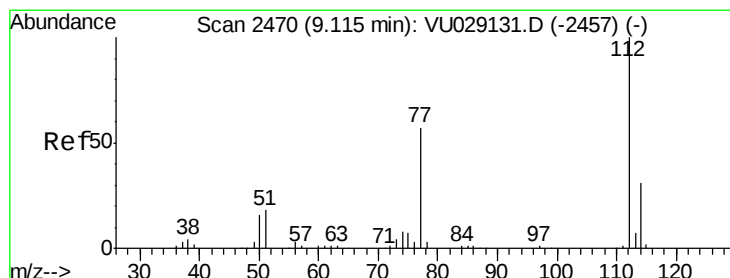
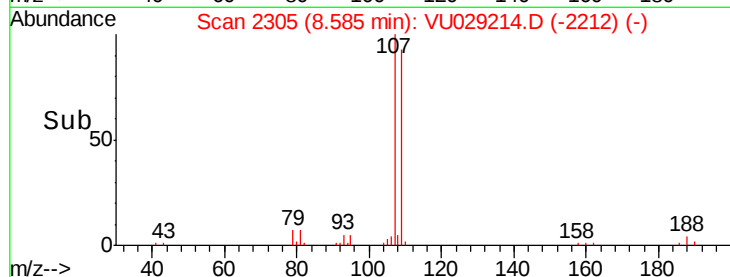
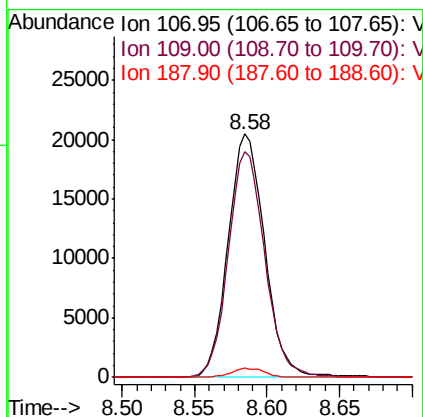
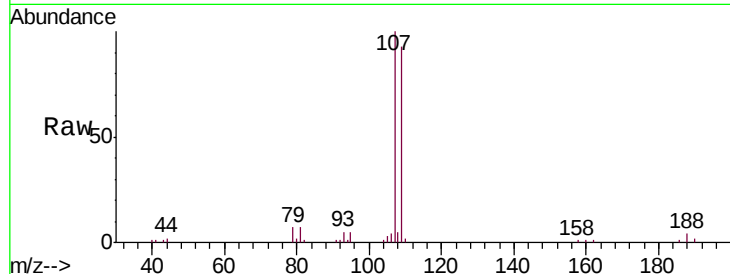




#50
 1,2-Dibromoethane
 Concen: 5.236 ug/L
 RT: 8.58 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VU029214.D
 Acq: 18 Jan 2019 09:35

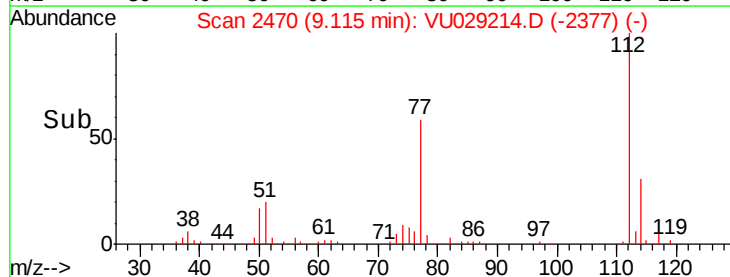
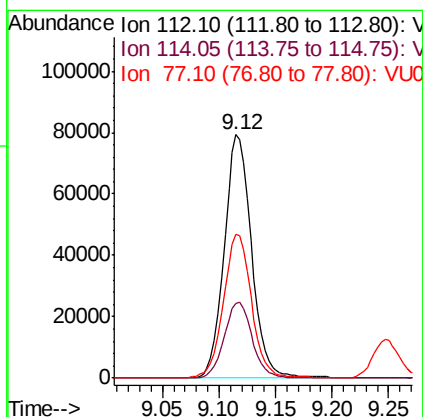
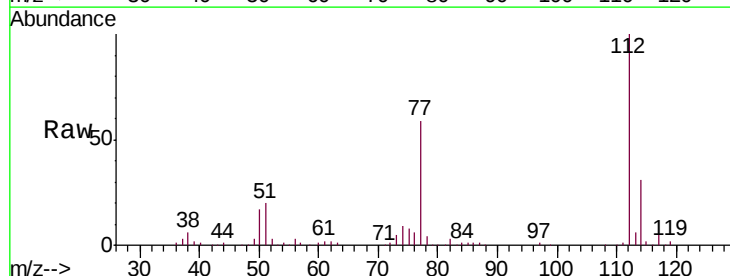
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00555

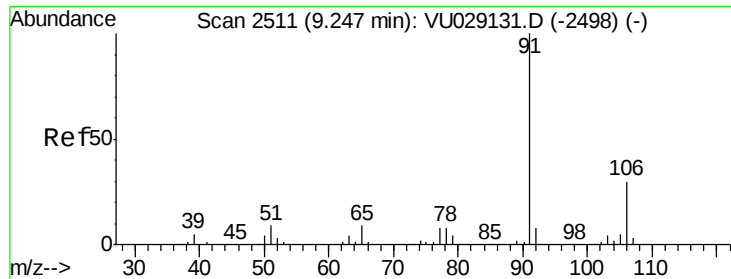
Tgt Ion:107 Resp: 35818
 Ion Ratio Lower Upper
 107 100
 109 92.8 64.0 119.0
 188 3.6 3.0 4.4



#51
 Chlorobenzene
 Concen: 4.704 ug/L
 RT: 9.12 min Scan# 2470
 Delta R.T. -0.00 min
 Lab File: VU029214.D
 Acq: 18 Jan 2019 09:35

Tgt Ion:112 Resp: 133213
 Ion Ratio Lower Upper
 112 100
 114 30.8 22.2 41.2
 77 59.1 44.9 67.3

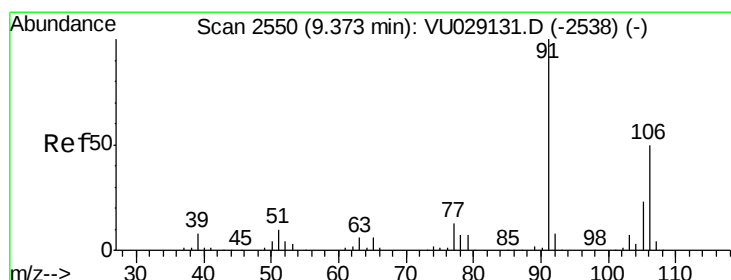
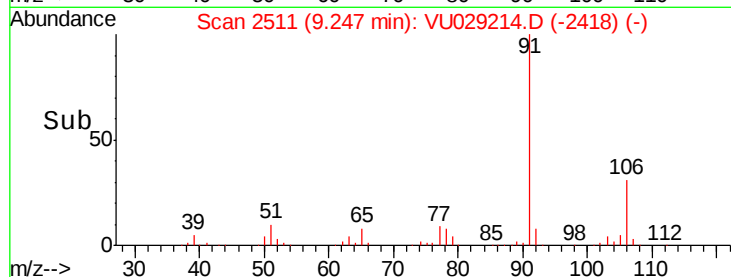
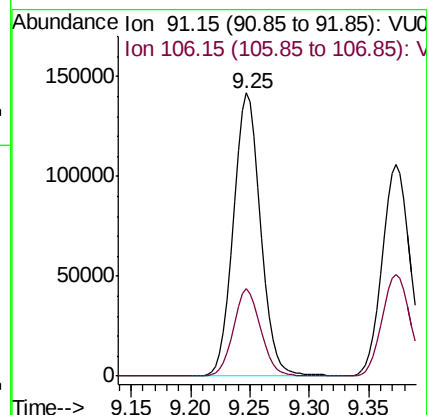
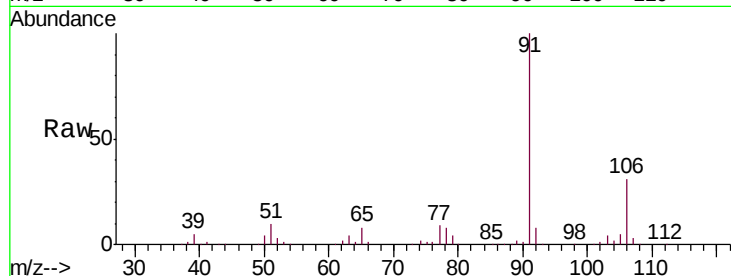




#52
Ethylbenzene
Concen: 4.694 ug/L
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU029214.D
Acq: 18 Jan 2019 09:35

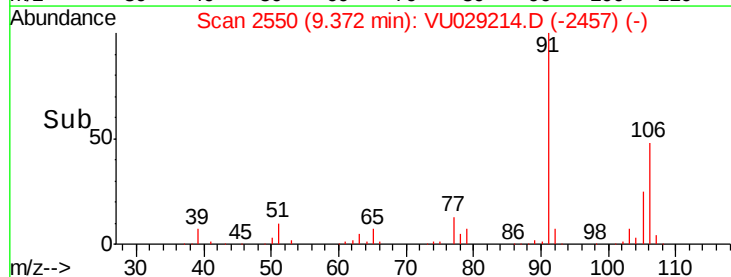
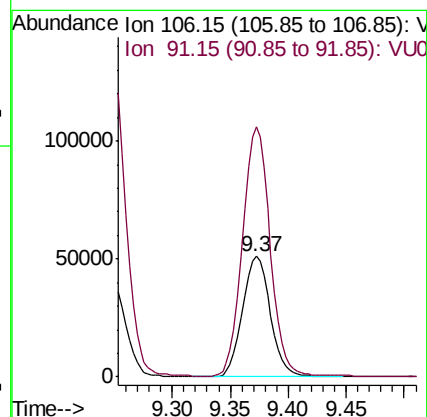
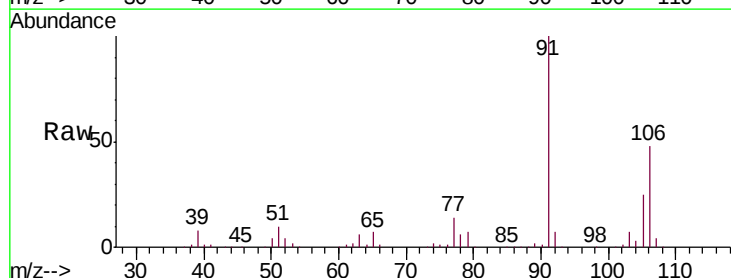
Instrument :
MSVOA_U
ClientSampleId :
VSTD00555

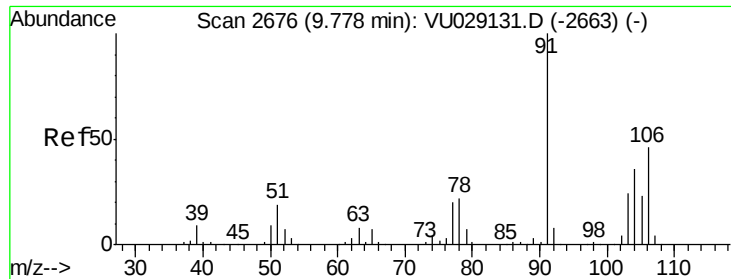
Tgt Ion: 91 Resp: 224848
Ion Ratio Lower Upper
91 100
106 30.9 22.7 42.1



#53
m,p-xylene
Concen: 4.657 ug/L
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU029214.D
Acq: 18 Jan 2019 09:35

Tgt Ion: 106 Resp: 84885
Ion Ratio Lower Upper
106 100
91 208.0 138.5 257.1

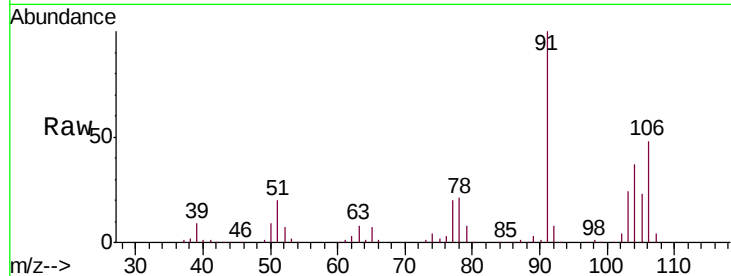




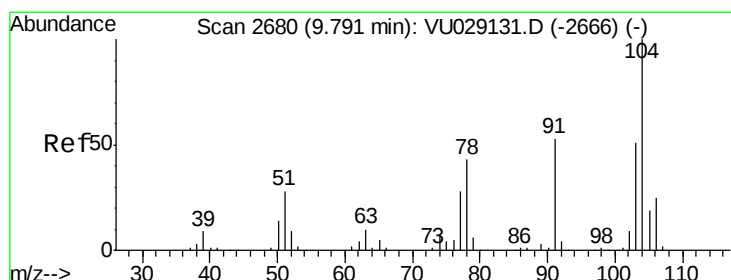
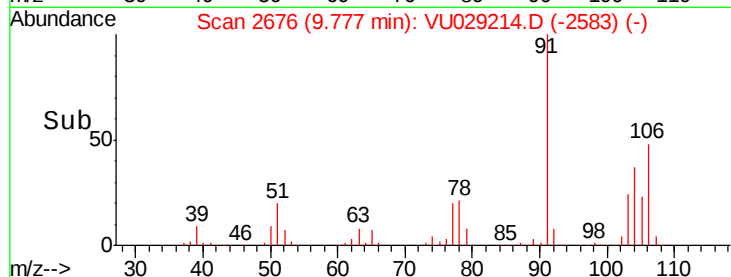
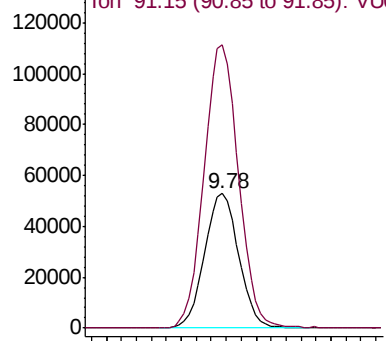
#54
o-xylene
Concen: 4.764 ug/L
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU029214.D
Acq: 18 Jan 2019 09:35

Instrument :
MSVOA_U
ClientSampleId :
VSTD00555

Tgt Ion:106 Resp: 84293
Ion Ratio Lower Upper
106 100
91 210.5 146.5 272.1

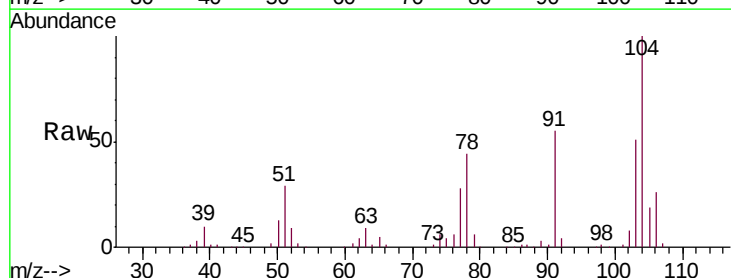


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

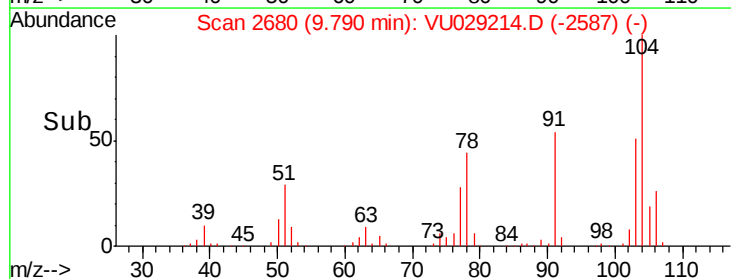
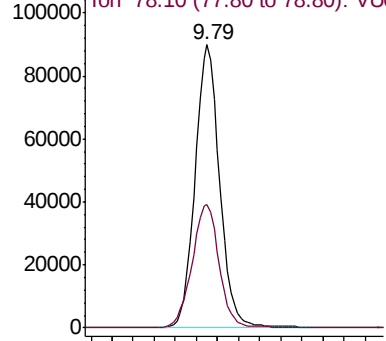


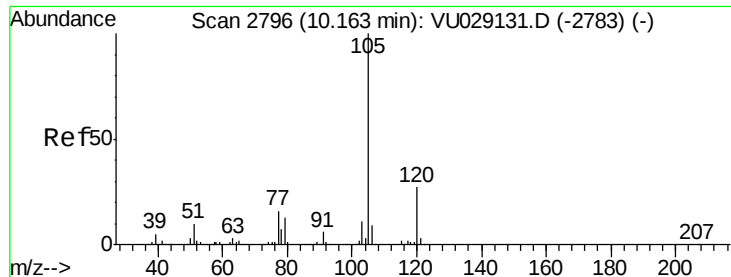
#55
Styrene
Concen: 4.919 ug/L
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU029214.D
Acq: 18 Jan 2019 09:35

Tgt Ion:104 Resp: 144865
Ion Ratio Lower Upper
104 100
78 43.6 30.9 57.5



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





#56

Isopropylbenzene

Concen: 4.652 ug/L

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU029214.D

Acq: 18 Jan 2019 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD00555

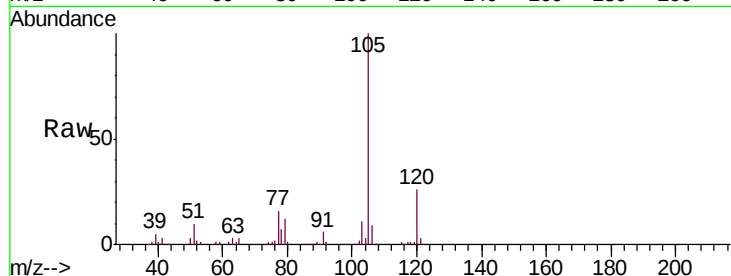
Tgt Ion: 105 Resp: 217100

Ion Ratio Lower Upper

105 100

120 26.4 20.9 31.3

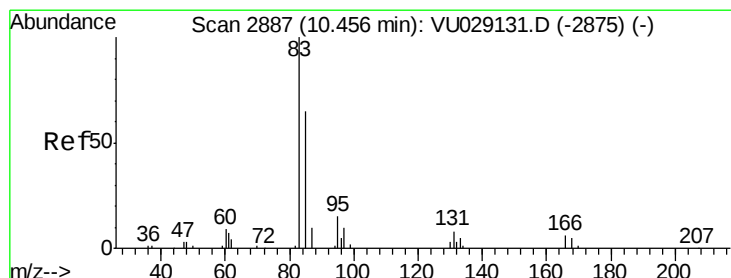
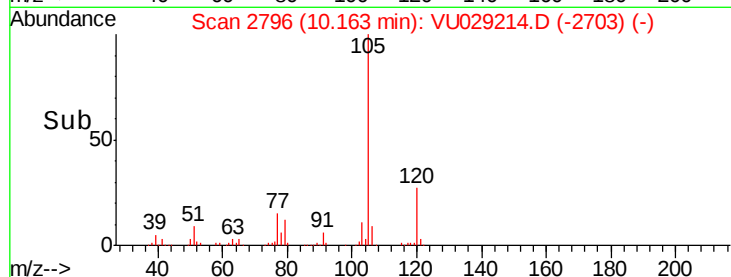
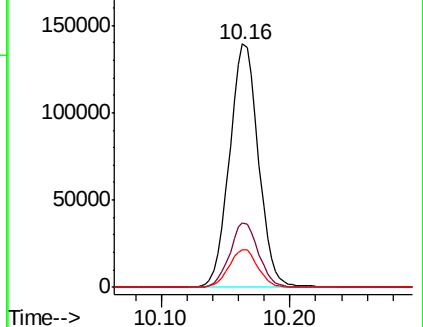
77 15.6 12.0 18.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.522 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU029214.D

Acq: 18 Jan 2019 09:35

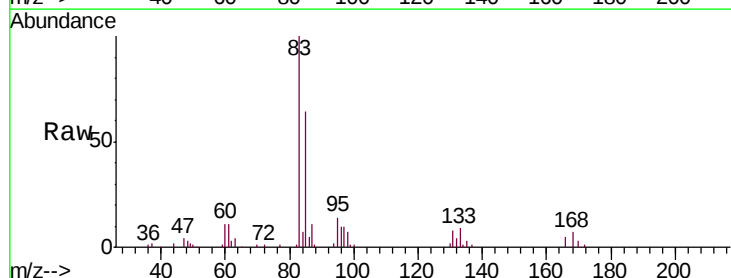
Tgt Ion: 83 Resp: 49440

Ion Ratio Lower Upper

83 100

85 64.3 44.0 81.8

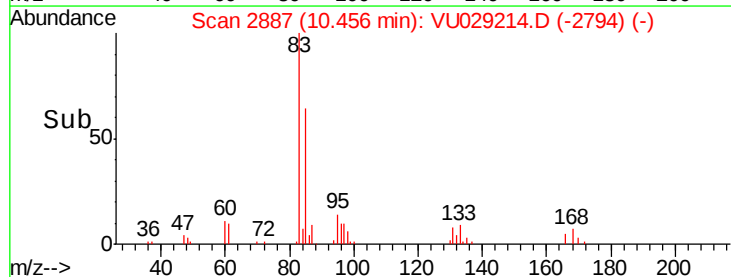
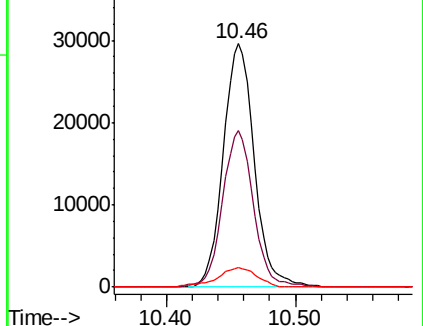
131 7.8 7.8 11.8#

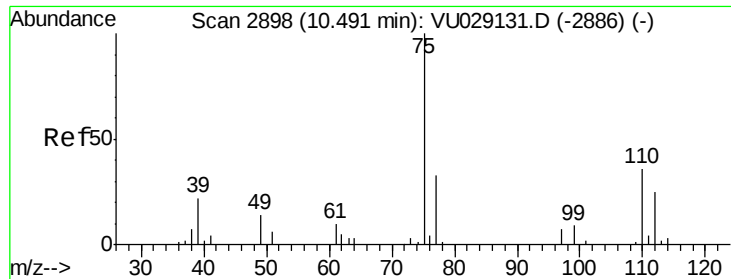


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

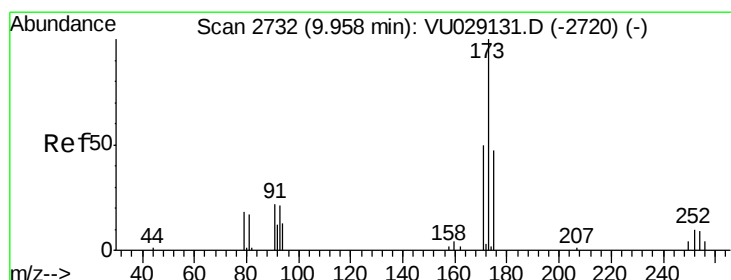
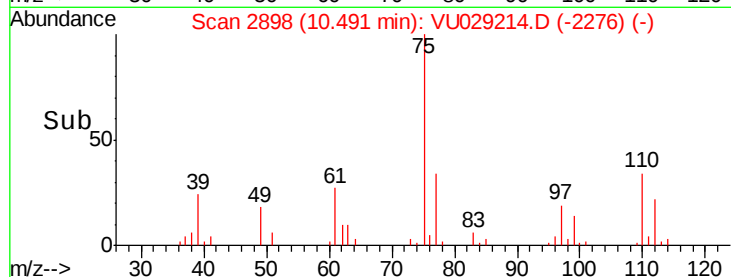
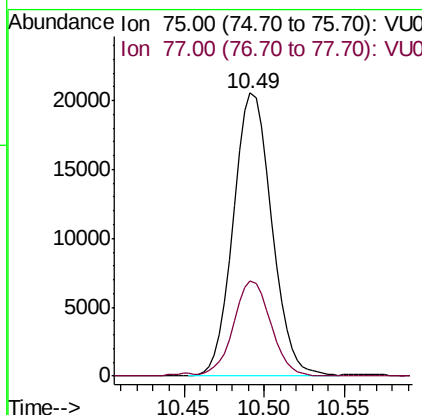
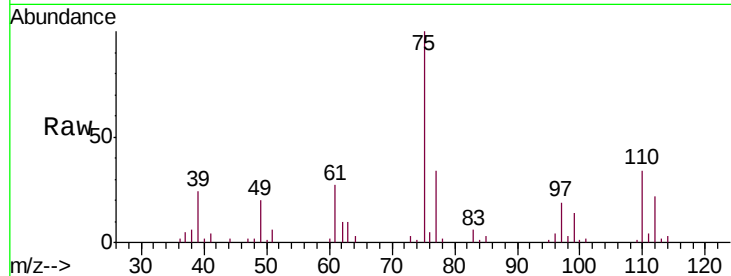




#59
 1,2,3-Trichloropropane
 Concen: 5.373 ug/L
 RT: 10.49 min Scan# 2898
 Delta R.T. -0.00 min
 Lab File: VU029214.D
 Acq: 18 Jan 2019 09:35

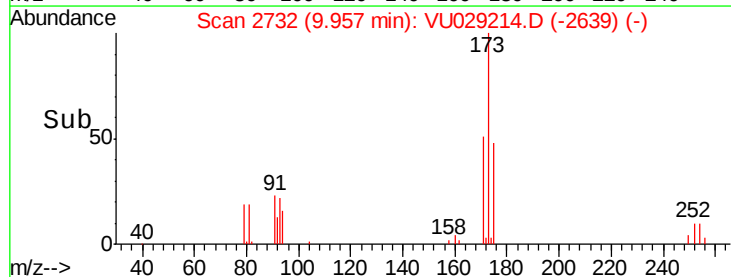
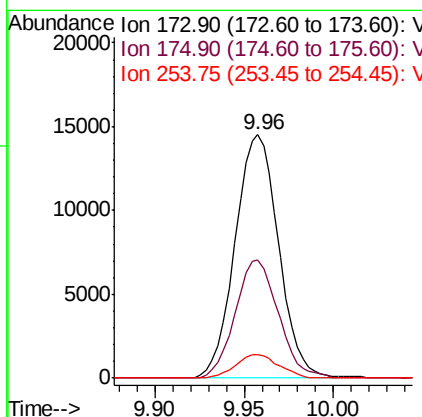
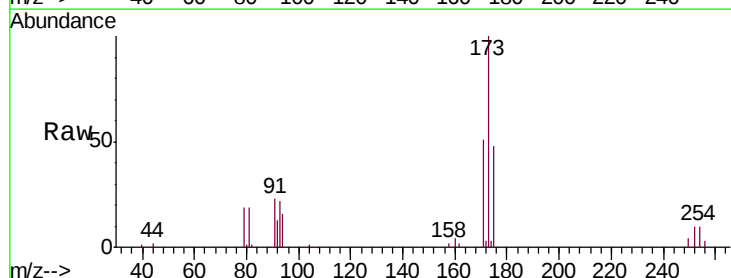
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00555

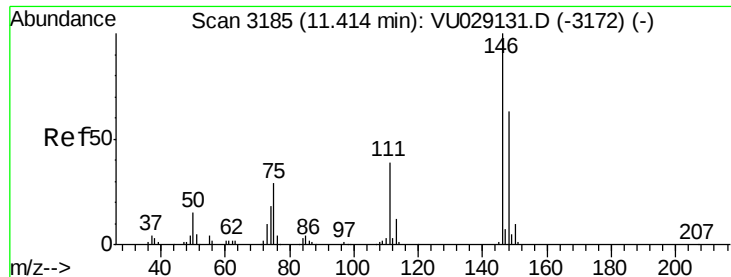
Tgt Ion: 75 Resp: 33663
 Ion Ratio Lower Upper
 75 100
 77 32.6 26.0 39.0



#61
 Bromoform
 Concen: 5.809 ug/L
 RT: 9.96 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VU029214.D
 Acq: 18 Jan 2019 09:35

Tgt Ion: 173 Resp: 24768
 Ion Ratio Lower Upper
 173 100
 175 48.1 35.4 53.2
 254 9.7 7.5 11.3





#62

1,3-Dichlorobenzene

Concen: 4.675 ug/L

RT: 11.41 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VU029214.D

Acq: 18 Jan 2019 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD00555

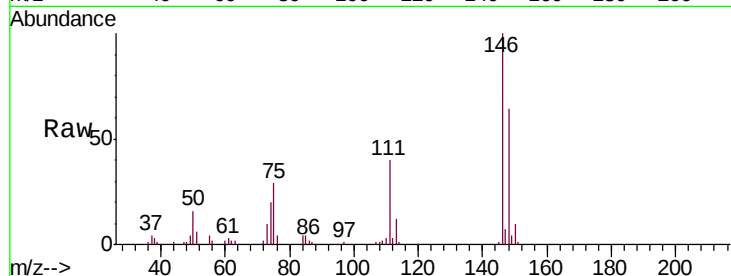
Tgt Ion:146 Resp: 98752

Ion Ratio Lower Upper

146 100

111 39.8 27.7 51.5

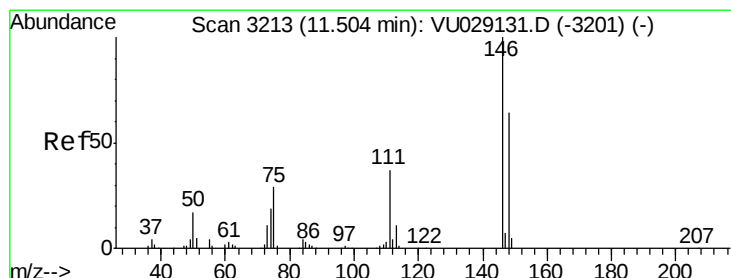
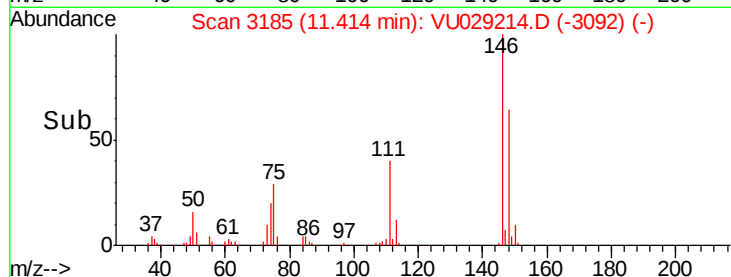
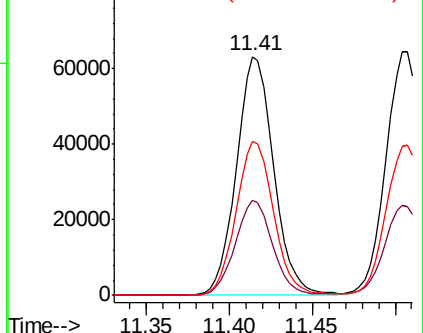
148 64.4 44.9 83.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.807 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU029214.D

Acq: 18 Jan 2019 09:35

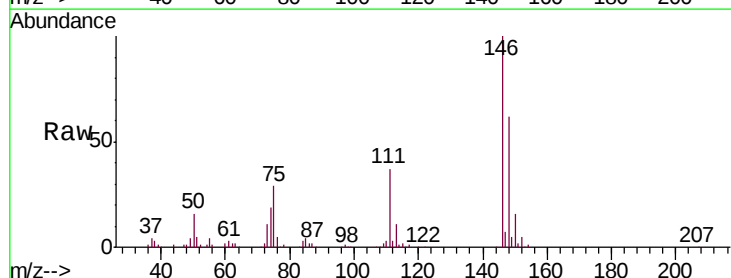
Tgt Ion:146 Resp: 103608

Ion Ratio Lower Upper

146 100

111 36.6 24.9 46.3

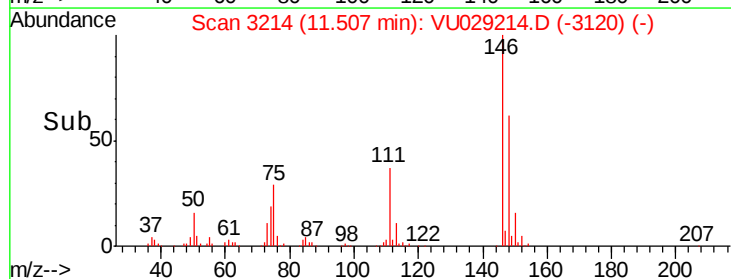
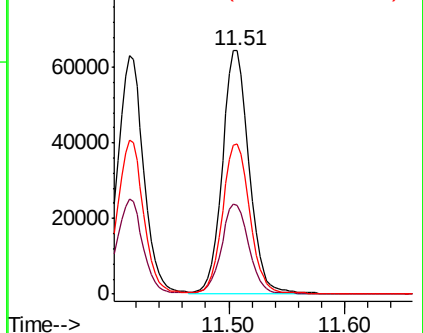
148 61.9 44.9 83.3

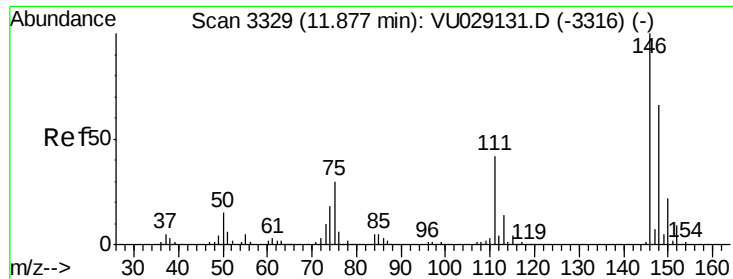


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.976 ug/L

RT: 11.88 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VU029214.D

Acq: 18 Jan 2019 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD00555

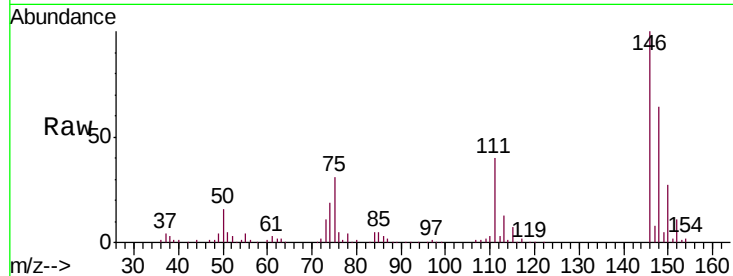
Tgt Ion:146 Resp: 99454

Ion Ratio Lower Upper

146 100

111 39.9 32.2 48.4

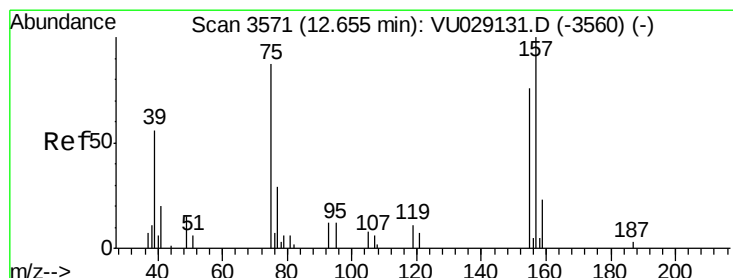
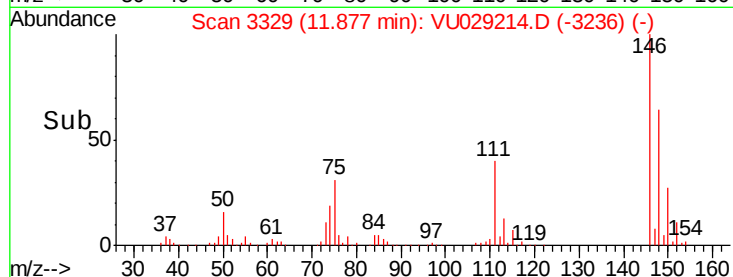
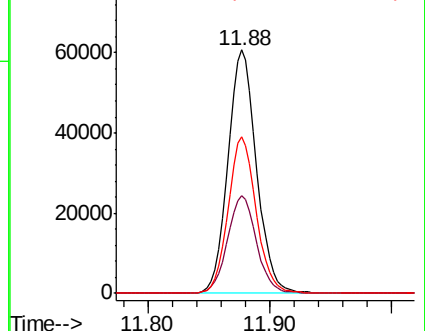
148 64.1 53.2 79.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.647 ug/L

RT: 12.66 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VU029214.D

Acq: 18 Jan 2019 09:35

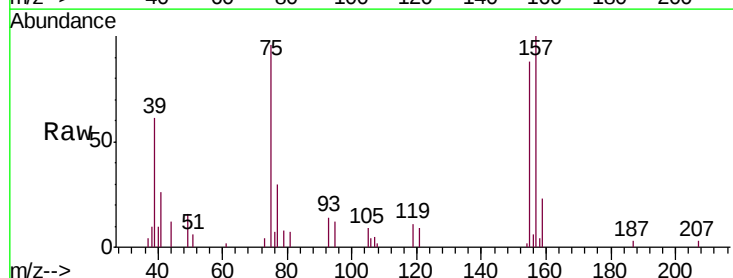
Tgt Ion: 75 Resp: 6664

Ion Ratio Lower Upper

75 100

155 92.4 72.2 108.2

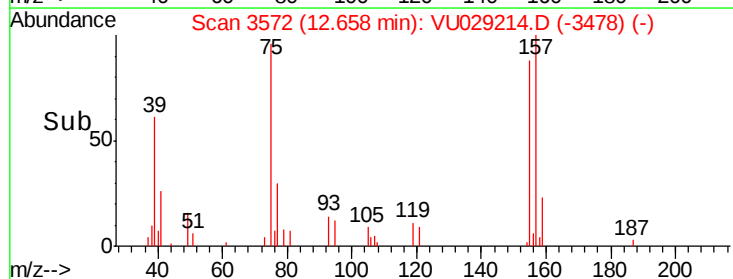
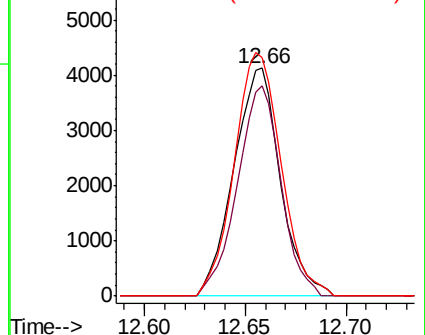
157 104.4 93.0 139.6

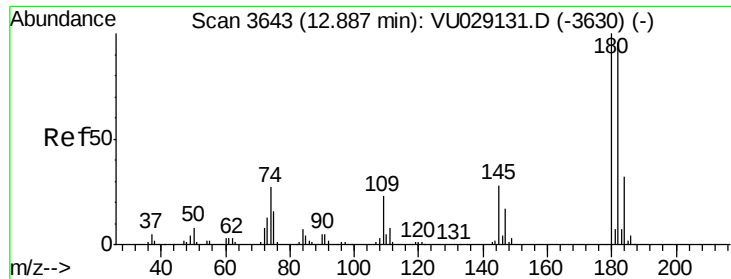


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

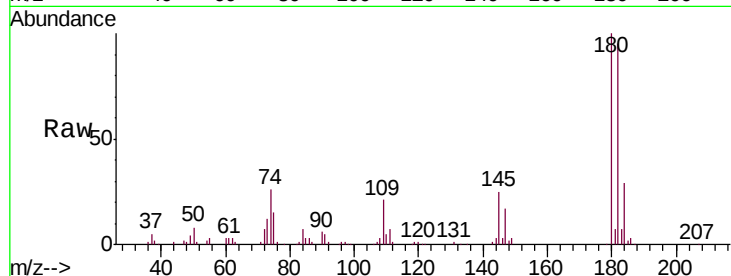




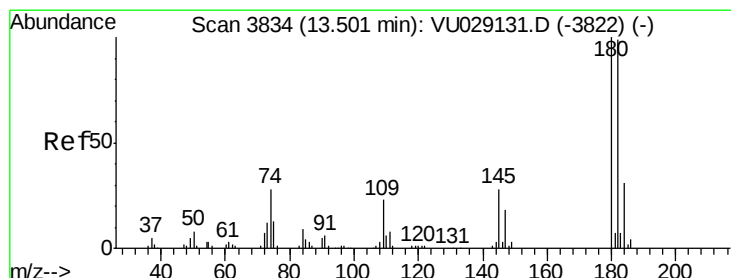
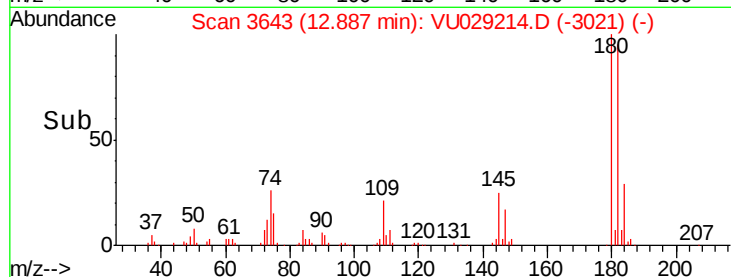
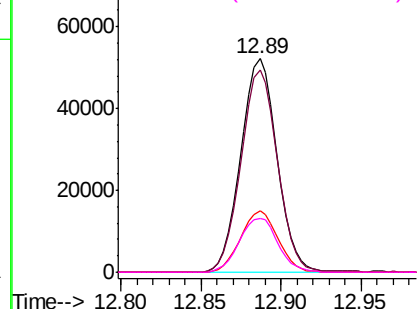
#67
 1,3,5-Trichlorobenzene
 Concen: 4.904 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. -0.00 min
 Lab File: VU029214.D
 Acq: 18 Jan 2019 09:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00555

Tgt Ion:180 Resp: 80147
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.6 114.8
 184 29.8 24.4 36.6
 145 26.9 21.7 32.5

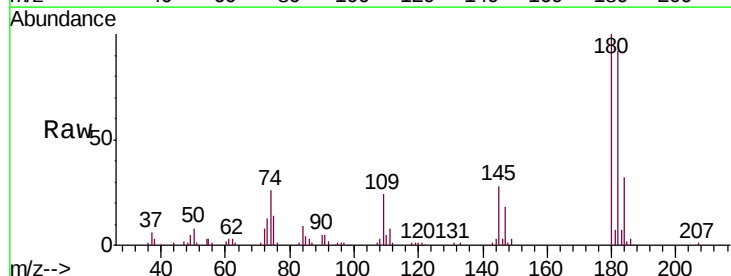


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

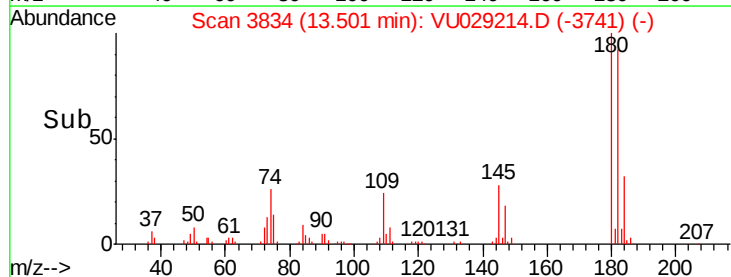
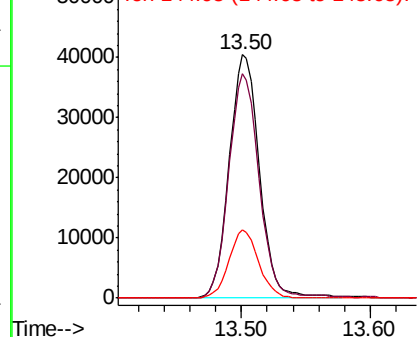


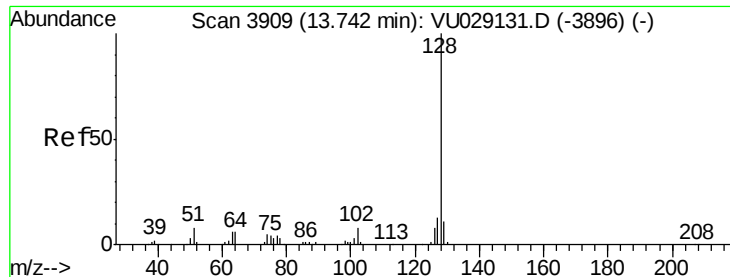
#68
 1,2,4-trichlorobenzene
 Concen: 4.831 ug/L
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU029214.D
 Acq: 18 Jan 2019 09:35

Tgt Ion:180 Resp: 65797
 Ion Ratio Lower Upper
 180 100
 182 91.6 76.0 114.0
 145 27.3 22.6 33.8



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.570 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU029214.D

Acq: 18 Jan 2019 09:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD00555

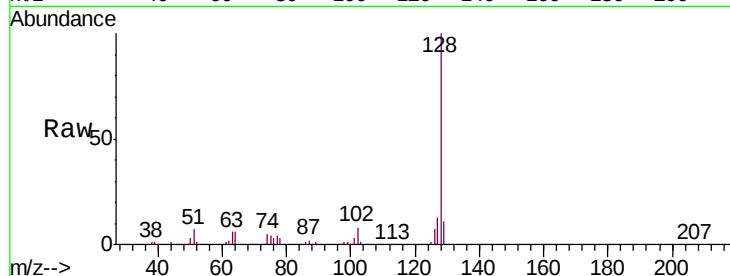
Tgt Ion:128 Resp: 106464

Ion Ratio Lower Upper

128 100

129 10.8 8.3 12.5

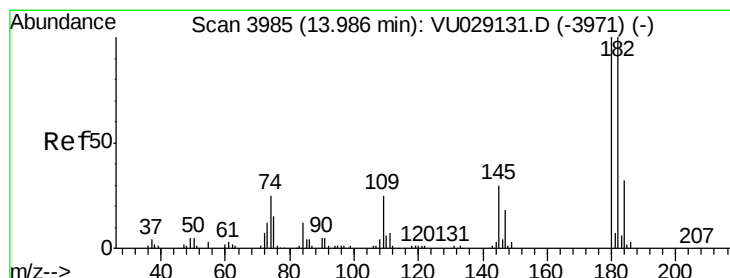
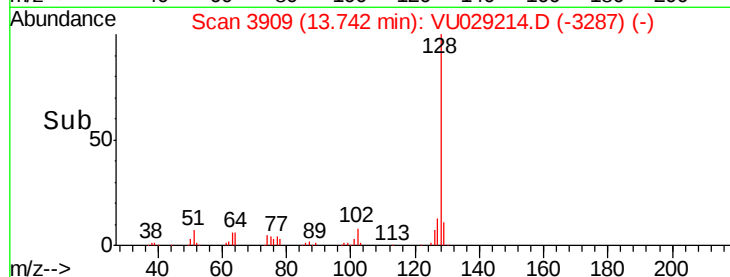
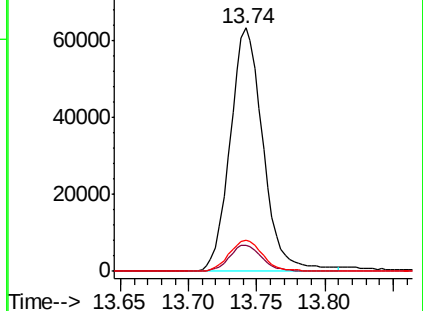
127 13.2 9.8 14.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.779 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU029214.D

Acq: 18 Jan 2019 09:35

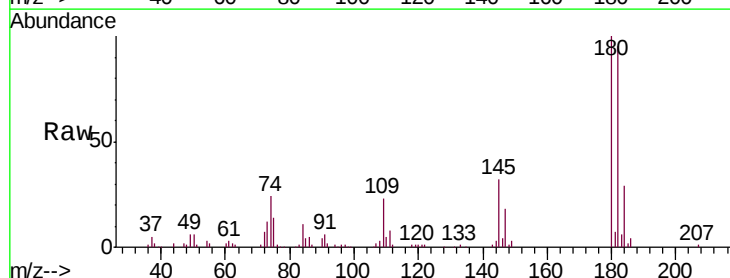
Tgt Ion:180 Resp: 62088

Ion Ratio Lower Upper

180 100

182 94.9 77.1 115.7

145 31.2 24.6 36.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

