

Data File : VU028304.D
Acq On : 21 Nov 2018 08:56
Operator : MD/SY
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

Quant Time: Nov 21 22:31:17 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 21 07:07:52 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	168968	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	160623	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	76118	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	71702	5.64	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	112.80%
7) Chloroethane-d5	1.68	69	55958	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.00%
11) 1,1-Dichloroethene-d2	2.28	63	132661	5.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.80%
20) 2-Butanone-d5	4.20	46	205785	48.36	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.72%
24) Chloroform-d	4.65	84	120772	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
26) 1,2-Dichloroethane-d4	5.31	65	68267	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
32) Benzene-d6	5.34	84	245275	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
36) 1,2-Dichloropropane-d6	6.33	67	86203	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.80%
41) Toluene-d8	7.56	98	217703	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.20%
43) trans-1,3-Dichloropropene-	7.85	79	33159	6.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	123.60%
46) 2-Hexanone-d5	8.31	63	149419	46.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.92%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	61616	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	70327	4.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	64277	4.530 ug/L	100
3) Chloromethane	1.33	50	108474	6.007 ug/L	97
5) Vinyl chloride	1.40	62	79306	4.624 ug/L	94
6) Bromomethane	1.63	94	43660	5.641 ug/L	98
8) Chloroethane	1.70	64	47406	4.677 ug/L	95
9) Trichlorofluoromethane	1.89	101	91826	4.598 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	52795	4.803 ug/L	99
12) 1,1-Dichloroethene	2.29	96	49857	4.793 ug/L	89
13) Acetone	2.33	43	144250	49.294 ug/L	100
14) Carbon disulfide	2.48	76	161097	4.932 ug/L	100
15) Methyl Acetate	2.62	43	35910	4.630 ug/L	98
16) Methylene chloride	2.70	84	59603	4.548 ug/L	97
17) Methyl tert-butyl Ether	3.00	73	154342	4.939 ug/L	99
18) trans-1,2-Dichloroethene	2.98	96	53600	4.837 ug/L	99
19) 1,1-Dichloroethane	3.44	63	123862	4.821 ug/L	97
21) 2-Butanone	4.28	43	234293	50.279 ug/L	99
22) cis-1,2-Dichloroethene	4.22	96	63967	4.884 ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	24897	4.857	ug/L	99
25) Chloroform	4.67	83	120777	4.344	ug/L	96
27) 1,2-Dichloroethane	5.40	62	78496	4.939	ug/L	98
29) 1,1,1-Trichloroethane	4.91	97	92117	5.087	ug/L	98
30) Cyclohexane	4.99	56	113560	4.792	ug/L	98
31) Carbon tetrachloride	5.13	117	73875	4.973	ug/L	99
33) Benzene	5.39	78	258877	4.885	ug/L	100
34) Trichloroethene	6.18	95	63453	4.891	ug/L	98
35) Methylcyclohexane	6.41	83	100857	4.934	ug/L	98
37) 1,2-Dichloropropane	6.43	63	78096	5.164	ug/L #	98
38) Bromodichloromethane	6.76	83	86075	5.220	ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	102180	5.331	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	544929	50.404	ug/L	99
42) Toluene	7.64	91	264373	4.922	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	80470	5.581	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	44101	4.826	ug/L	98
47) Tetrachloroethene	8.22	164	43569	4.837	ug/L	98
48) 2-Hexanone	8.36	43	401921	52.141	ug/L	98
49) Dibromochloromethane	8.48	129	48025	5.193	ug/L	99
50) 1,2-Dibromoethane	8.58	107	41163	4.984	ug/L	94
51) Chlorobenzene	9.12	112	150677	4.871	ug/L	99
52) Ethylbenzene	9.25	91	289656	5.011	ug/L	98
53) m,p-xylene	9.37	106	100470	5.009	ug/L	98
54) o-xylene	9.78	106	99658	4.975	ug/L	98
55) Styrene	9.79	104	174620	5.192	ug/L	93
56) Isopropylbenzene	10.16	105	271459	5.059	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	61286	5.218	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	44117	5.049	ug/L	100
61) Bromoform	9.96	173	26825	5.559	ug/L	97
62) 1,3-Dichlorobenzene	11.41	146	115388	4.981	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	115896	4.904	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	110485	4.864	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	9936	5.615	ug/L	94
67) 1,3,5-Trichlorobenzene	12.89	180	89118	5.030	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	80629	5.446	ug/L	98
69) Naphthalene	13.74	128	150277	5.712	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	73425	5.236	ug/L	99

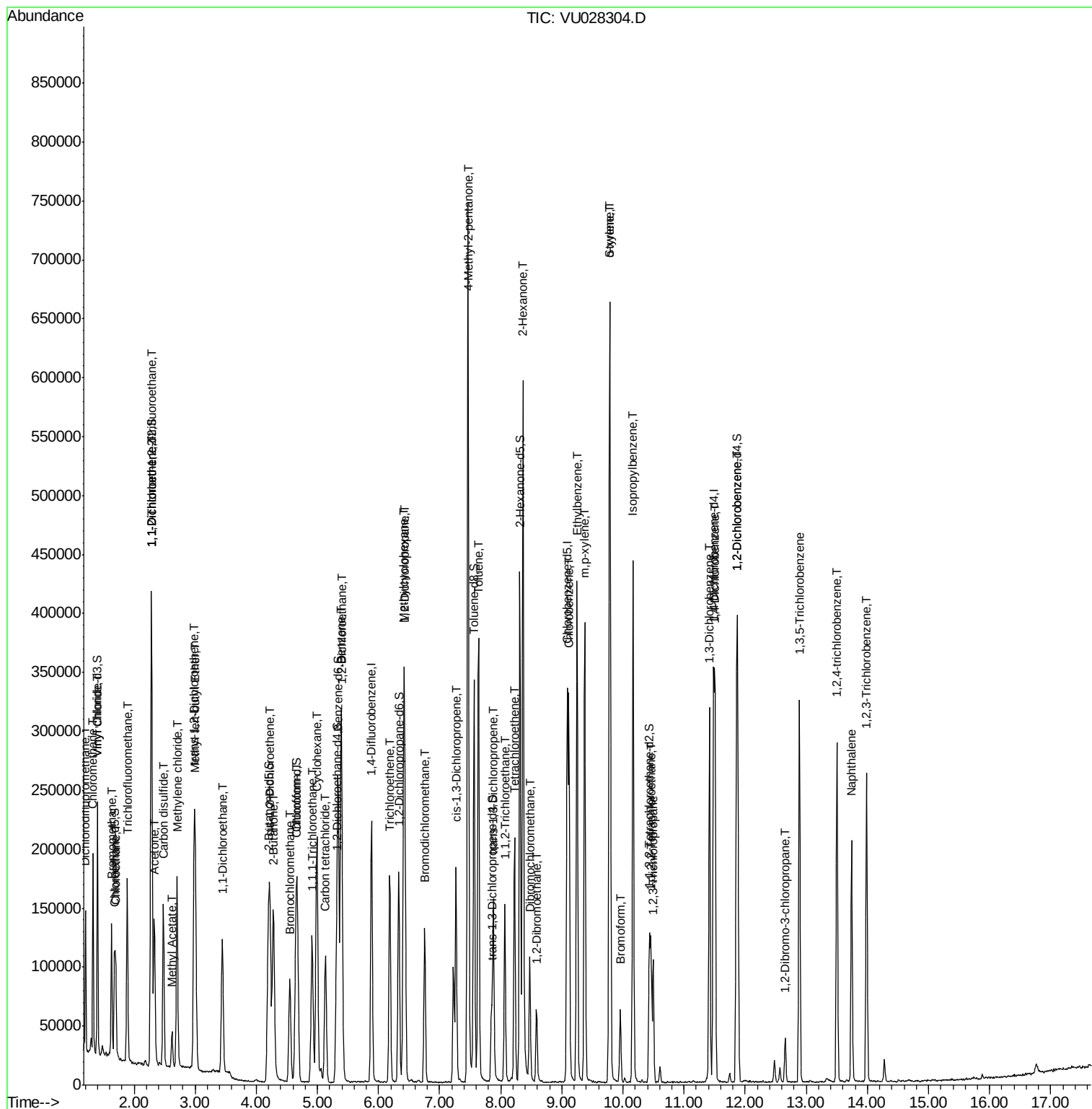
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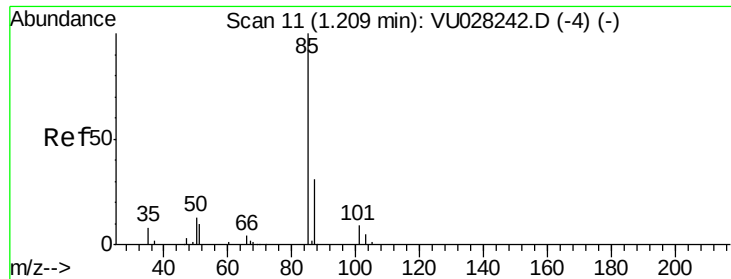
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#2

Dichlorodifluoromethane

Concen: 4.530 ug/L

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028304.D

Acq: 21 Nov 2018 08:56

Instrument :

MSVOA_U

ClientSampleId :

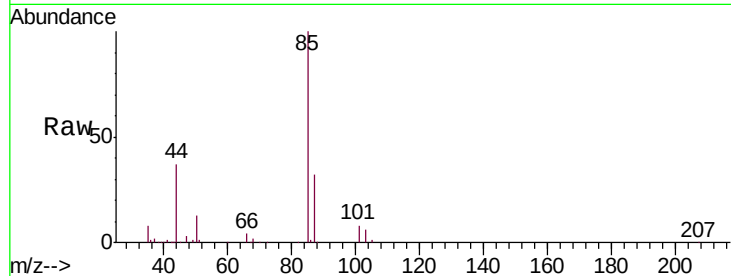
VSTD00526

Tgt Ion: 85 Resp: 64277

Ion Ratio Lower Upper

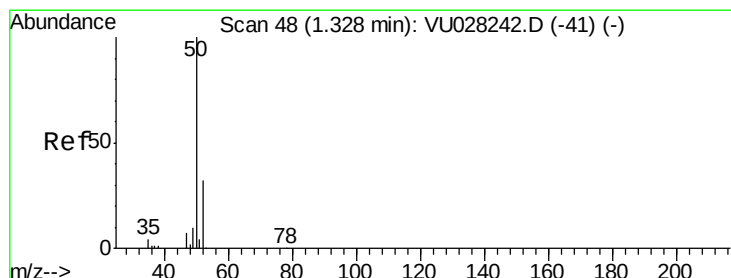
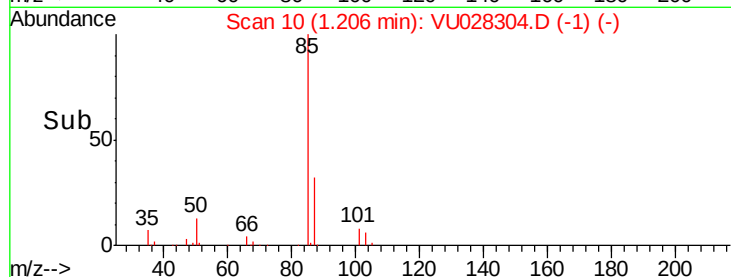
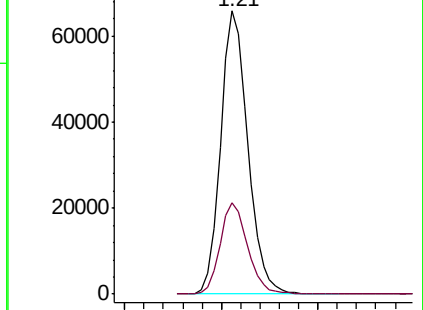
85 100

87 32.6 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU028242.D (-4) (-)

Ion 87.00 (86.70 to 87.70): VU028242.D (-4) (-)



#3

Chloromethane

Concen: 6.007 ug/L

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028304.D

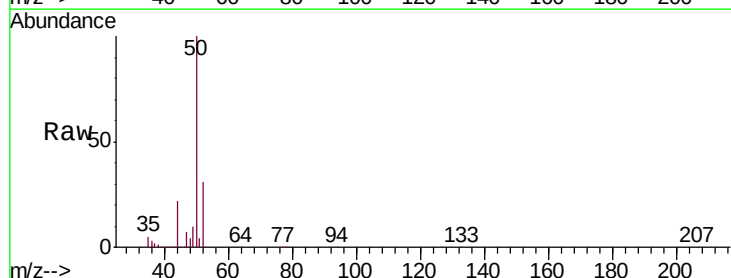
Acq: 21 Nov 2018 08:56

Tgt Ion: 50 Resp: 108474

Ion Ratio Lower Upper

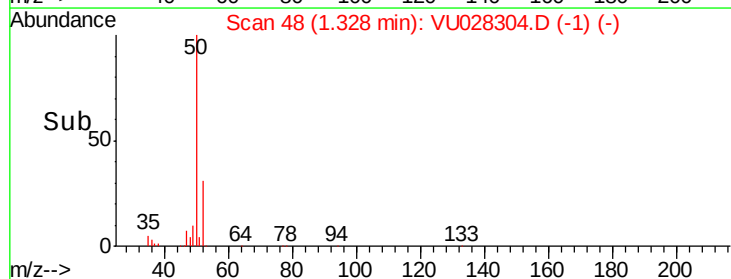
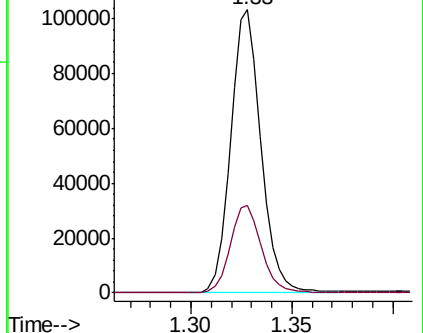
50 100

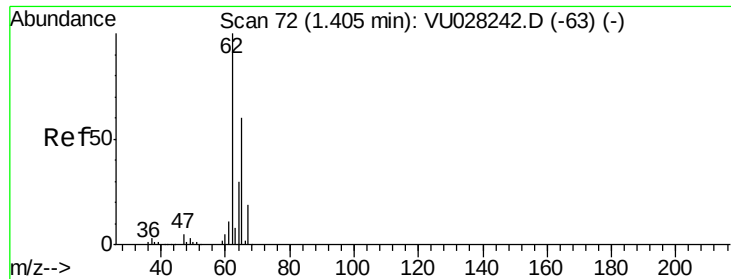
52 30.8 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU028242.D (-41) (-)

Ion 52.05 (51.75 to 52.75): VU028242.D (-41) (-)





#5

Vinyl chloride

Concen: 4.624 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028304.D

Acq: 21 Nov 2018 08:56

Instrument :

MSVOA_U

ClientSampleId :

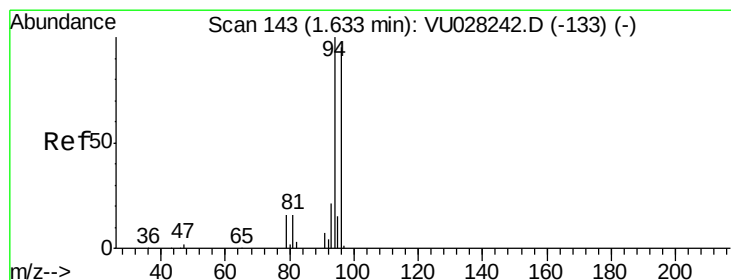
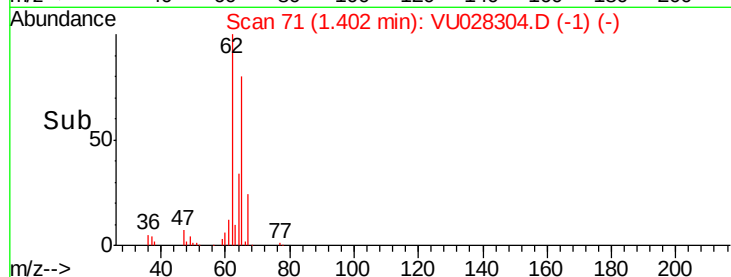
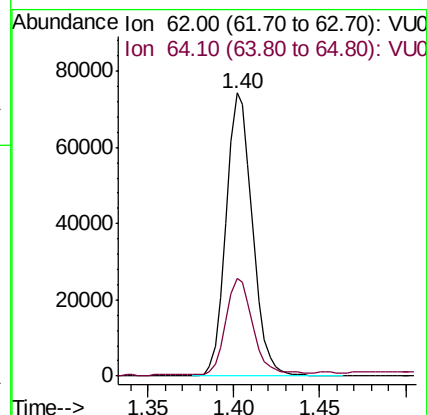
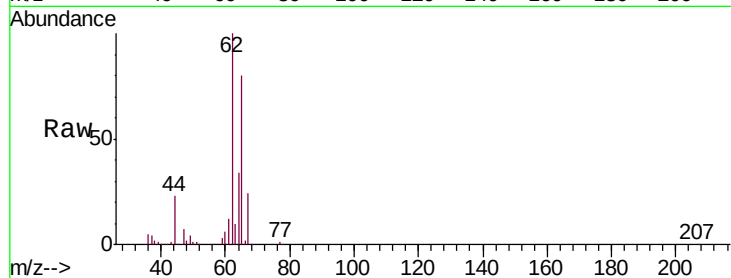
VSTD00526

Tgt Ion: 62 Resp: 79306

Ion Ratio Lower Upper

62 100

64 34.5 21.7 40.3



#6

Bromomethane

Concen: 5.641 ug/L

RT: 1.63 min Scan# 142

Delta R.T. 0.00 min

Lab File: VU028304.D

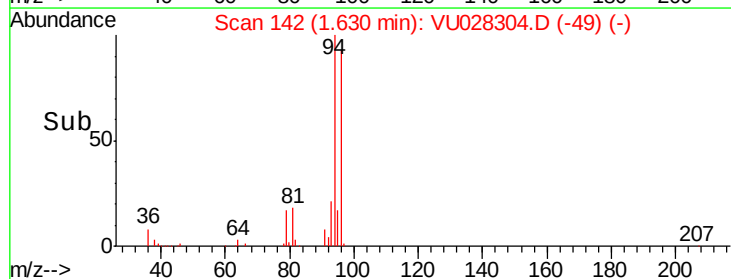
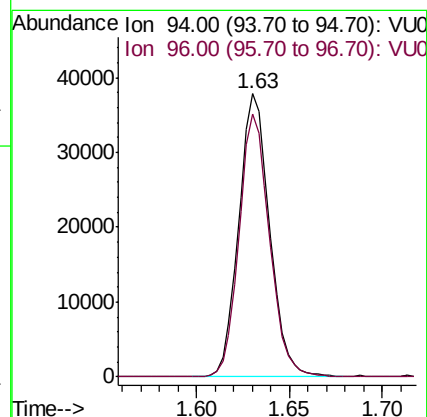
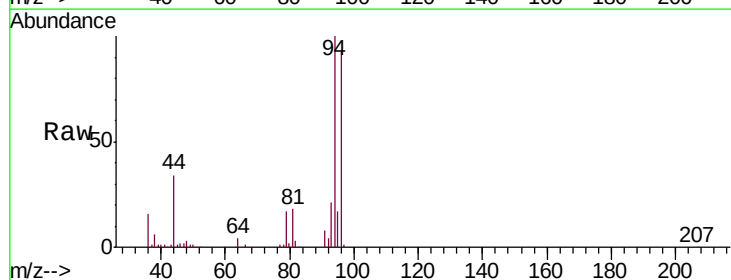
Acq: 21 Nov 2018 08:56

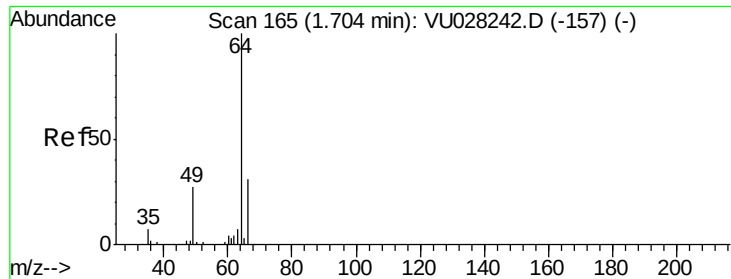
Tgt Ion: 94 Resp: 43660

Ion Ratio Lower Upper

94 100

96 92.7 63.6 118.0





#8

Chloroethane

Concen: 4.677 ug/L

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU028304.D

Acq: 21 Nov 2018 08:56

Instrument :

MSVOA_U

ClientSampleId :

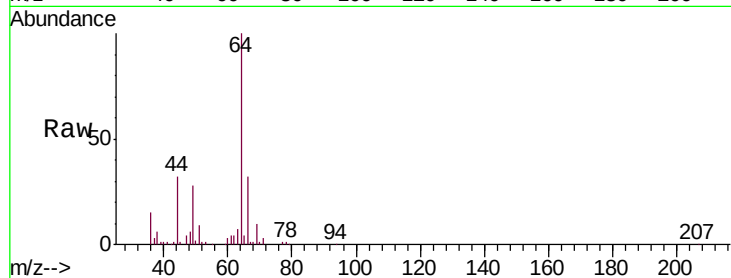
VSTD00526

Tgt Ion: 64 Resp: 47406

Ion Ratio Lower Upper

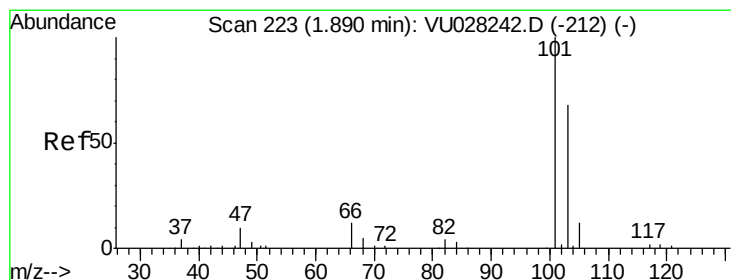
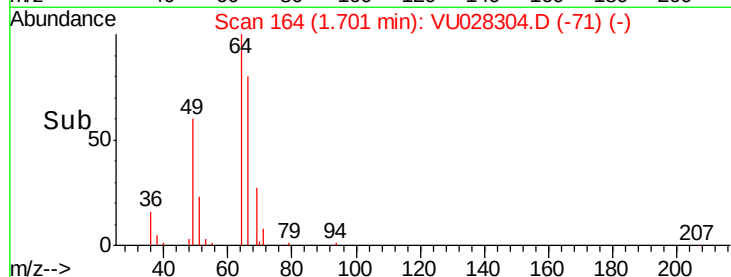
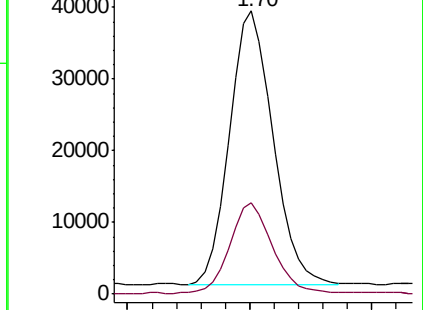
64 100

66 32.1 20.7 38.5



Abundance Ion 64.10 (63.80 to 64.80): VU028242.D (-157) (-)

Ion 66.05 (65.75 to 66.75): VU028242.D (-157) (-)



#9

Trichlorofluoromethane

Concen: 4.598 ug/L

RT: 1.89 min Scan# 222

Delta R.T. -0.00 min

Lab File: VU028304.D

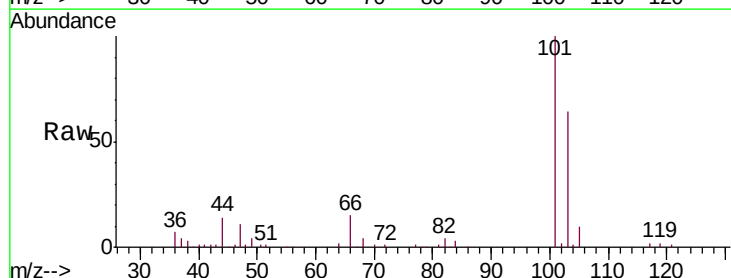
Acq: 21 Nov 2018 08:56

Tgt Ion: 101 Resp: 91826

Ion Ratio Lower Upper

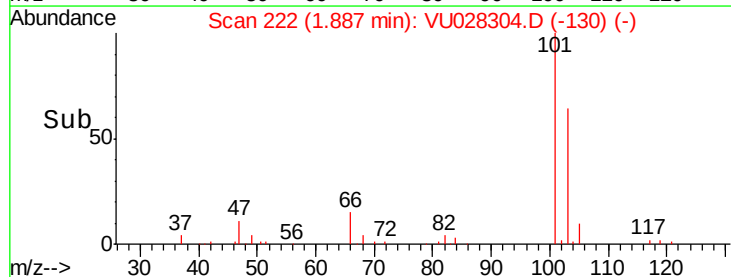
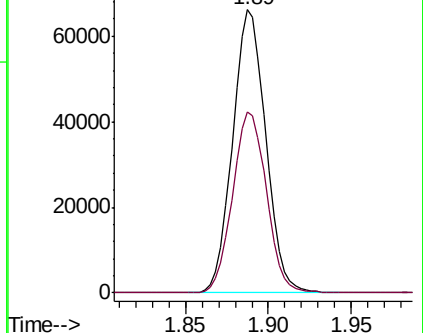
101 100

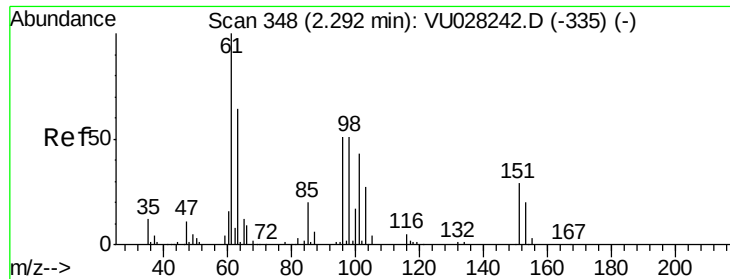
103 65.4 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): VU028242.D (-212) (-)

Ion 103.00 (102.70 to 103.70): VU028242.D (-212) (-)





#10

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

Concen: 4.803 ug/L

RT: 2.29 min Scan# 347

Delta R.T. -0.00 min

Lab File: VU028304.D

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ClientSampleId :

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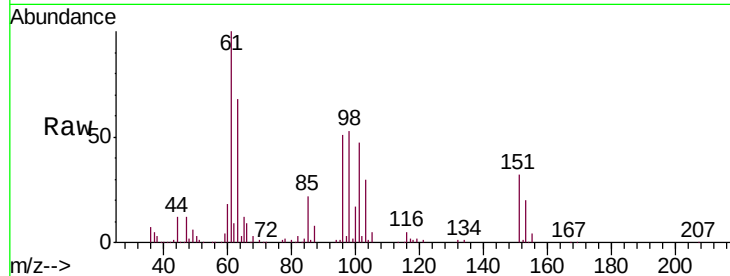
Tgt Ion: 101 Resp: 52795

Ion Ratio Lower Upper

101 100

85 47.1 37.4 56.2

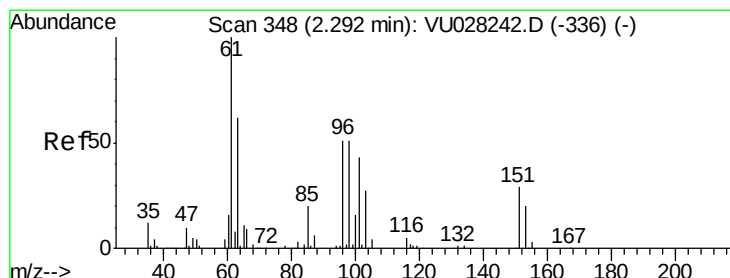
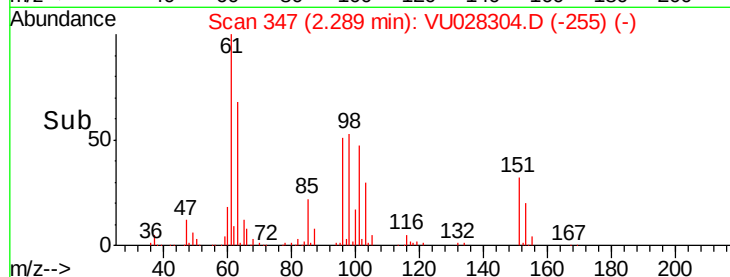
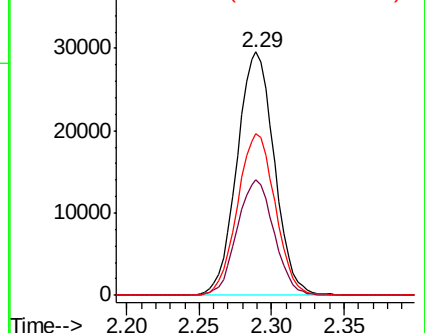
151 67.2 55.0 82.4



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: 4.793 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU028304.D

Acq: 21 Nov 2018 08:56

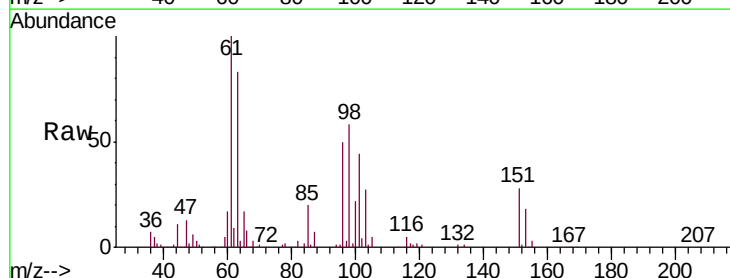
Tgt Ion: 96 Resp: 49857

Ion Ratio Lower Upper

96 100

61 201.7 145.5 270.1

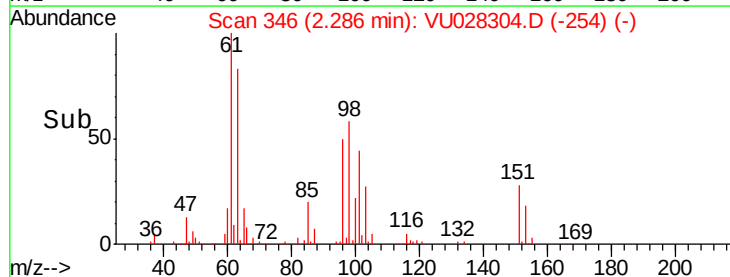
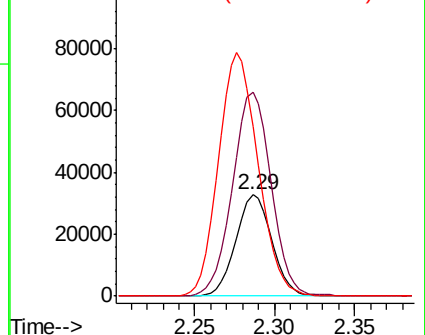
63 167.3 98.6 183.2

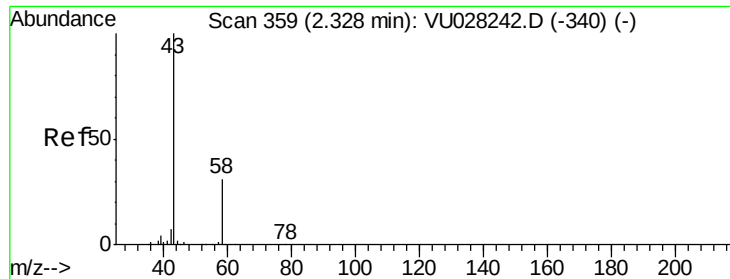


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 49.294 ug/L

RT: 2.33 min Scan# 360

Delta R.T. 0.01 min

Lab File: VU028304.D

Acq: 21 Nov 2018 08:56

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ClientSampleId :

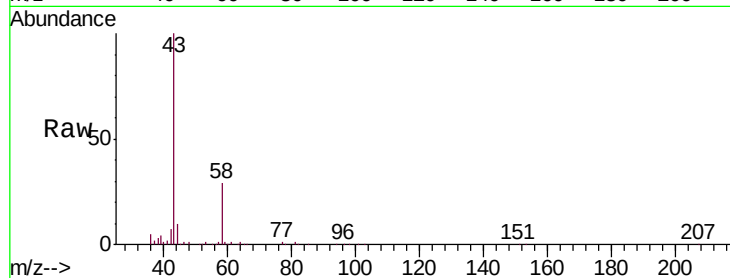
VSTD00526

Tgt Ion: 43 Resp: 144250

Ion Ratio Lower Upper

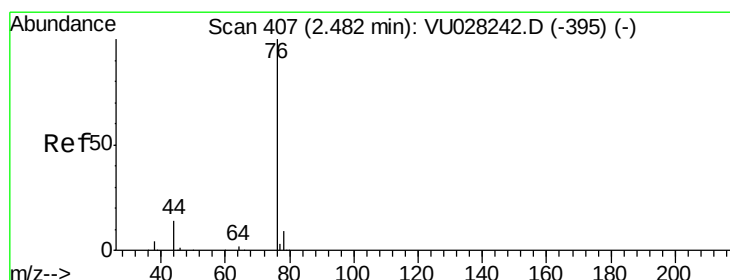
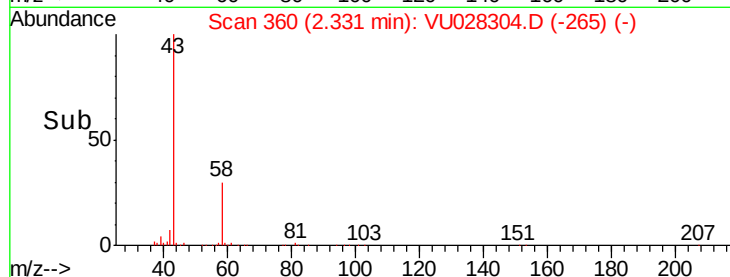
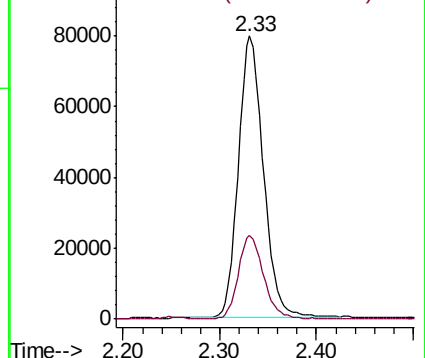
43 100

58 29.3 0.0 58.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 4.932 ug/L

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU028304.D

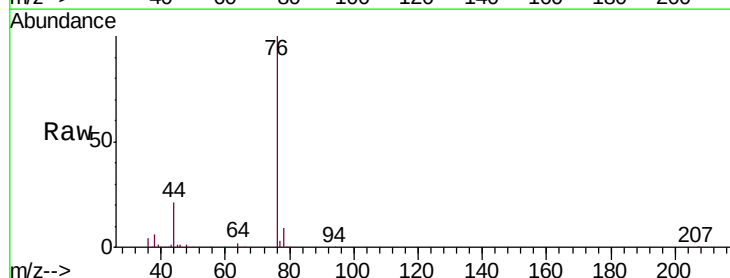
Acq: 21 Nov 2018 08:56

Tgt Ion: 76 Resp: 161097

Ion Ratio Lower Upper

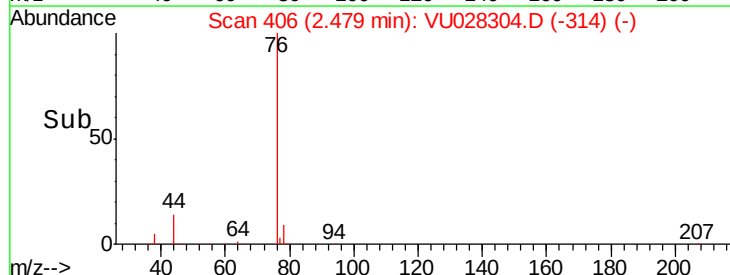
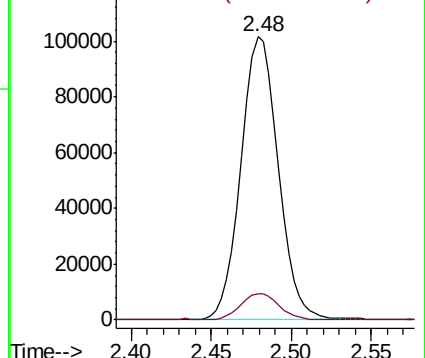
76 100

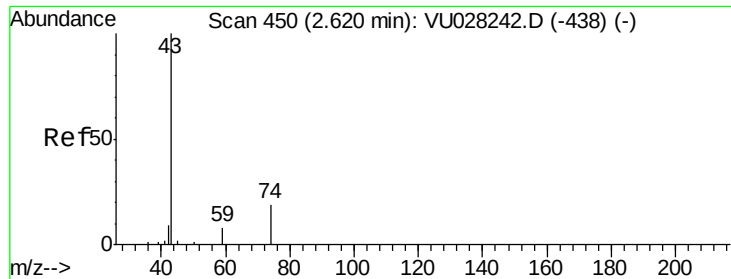
78 9.4 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methyl Acetate

Concen: 4.630 ug/L

RT: 2.62 min Scan# 450

Delta R.T. 0.00 min

Lab File: VU028304.D

Acq: 21 Nov 2018 08:56

Instrument :

MSVOA_U

ClientSampleId :

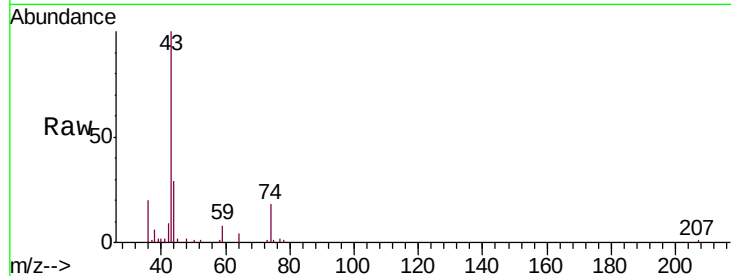
VSTD00526

Tgt Ion: 43 Resp: 35910

Ion Ratio Lower Upper

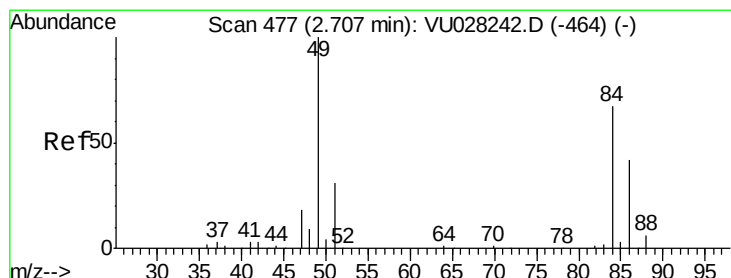
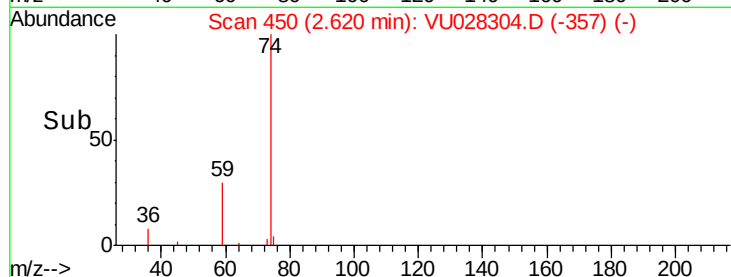
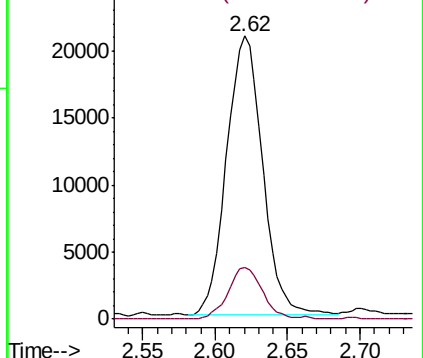
43 100

74 17.6 14.7 22.1



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 4.548 ug/L

RT: 2.70 min Scan# 476

Delta R.T. 0.00 min

Lab File: VU028304.D

Acq: 21 Nov 2018 08:56

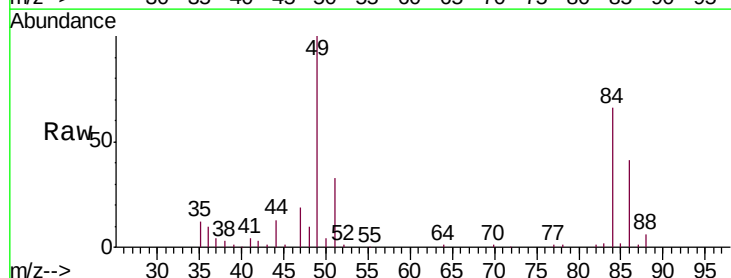
Tgt Ion: 84 Resp: 59603

Ion Ratio Lower Upper

84 100

86 61.8 45.3 84.1

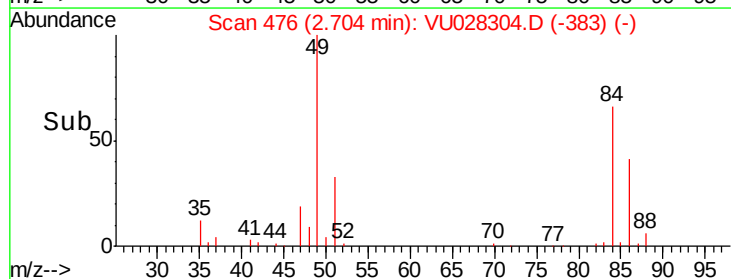
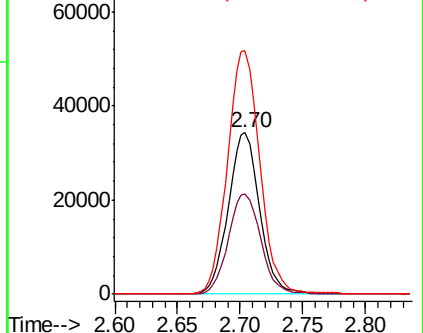
49 150.6 107.9 200.5

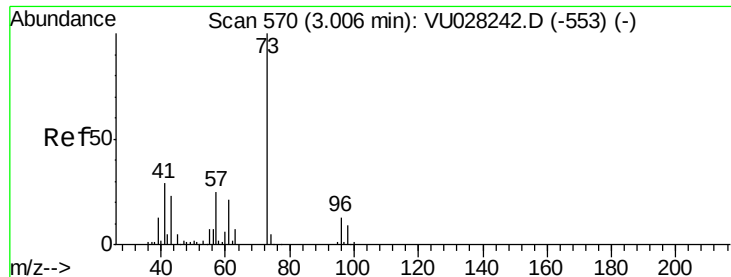


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

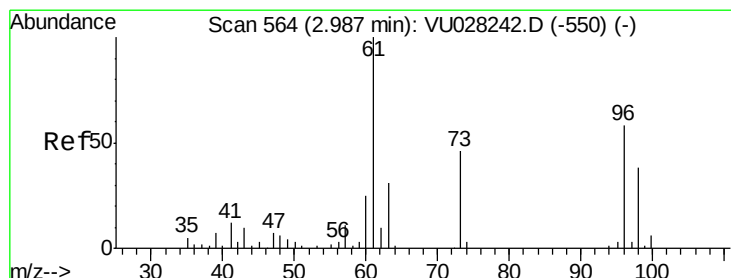
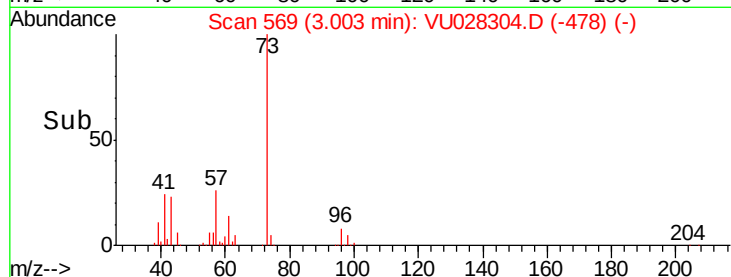
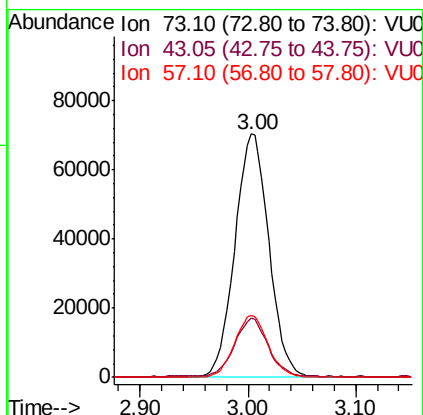
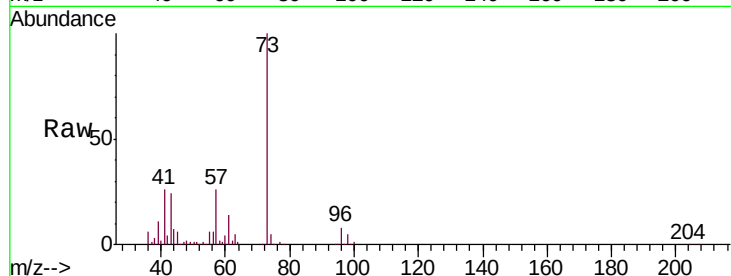




#17
Methyl tert-butyl Ether
Concen: 4.939 ug/L
RT: 3.00 min Scan# 569
Delta R.T. -0.01 min
Lab File: VU028304.D
Acq: 21 Nov 2018 08:56

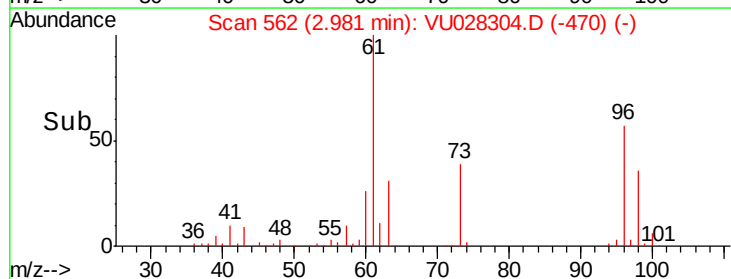
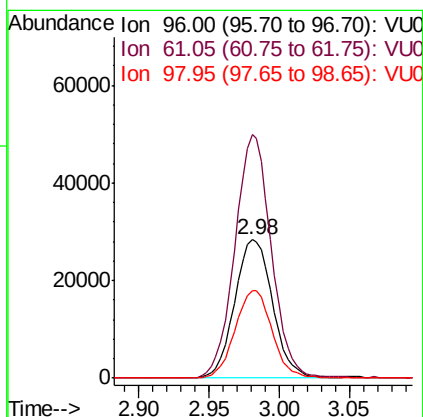
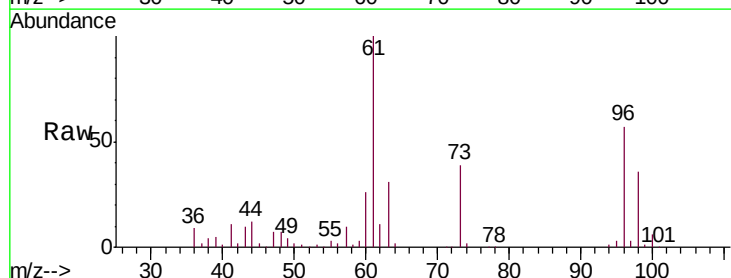
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

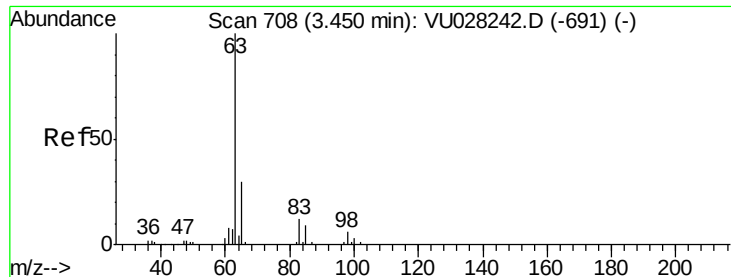
Tgt Ion: 73 Resp: 154342
Ion Ratio Lower Upper
73 100
43 23.2 18.8 28.2
57 25.1 19.2 28.8



#18
trans-1,2-Dichloroethene
Concen: 4.837 ug/L
RT: 2.98 min Scan# 562
Delta R.T. -0.00 min
Lab File: VU028304.D
Acq: 21 Nov 2018 08:56

Tgt Ion: 96 Resp: 53600
Ion Ratio Lower Upper
96 100
61 176.2 122.2 227.0
98 62.9 44.9 83.5

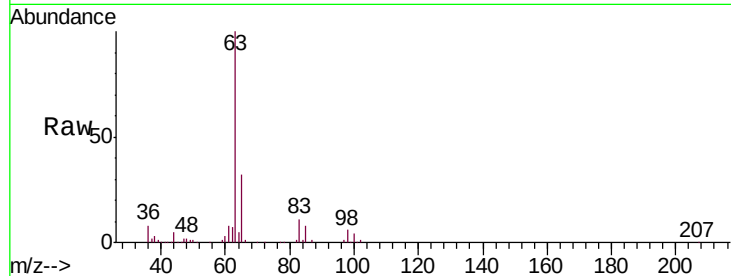




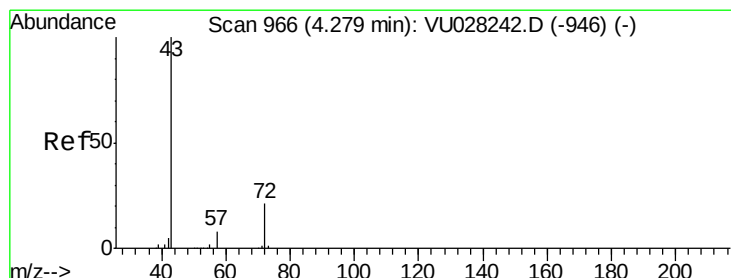
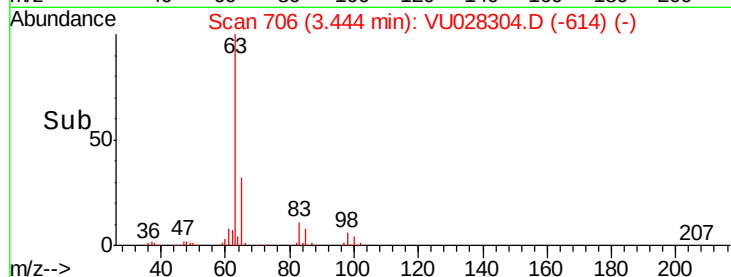
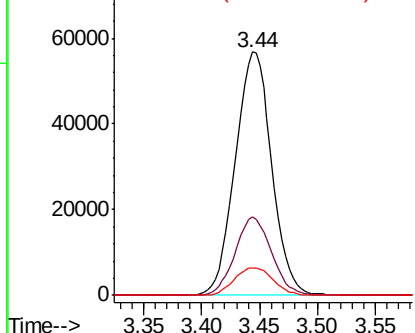
#19
 1,1-Dichloroethane
 Concen: 4.821 ug/L
 RT: 3.44 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VU028304.D
 Acq: 21 Nov 2018 08:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.2	21.2	39.4
83	11.4	8.8	16.4

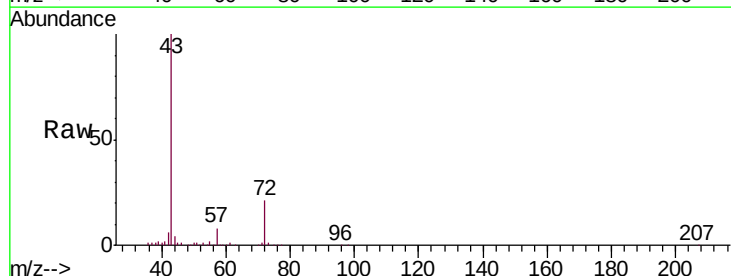


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

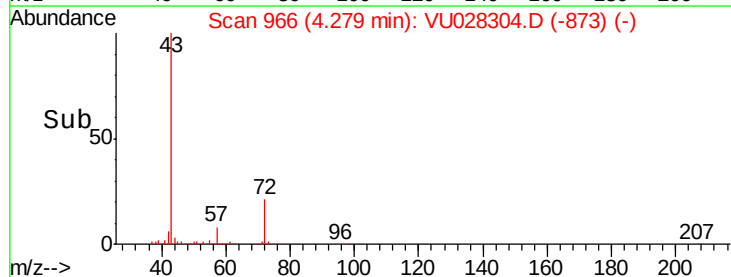
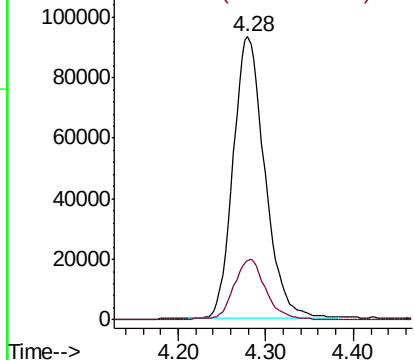


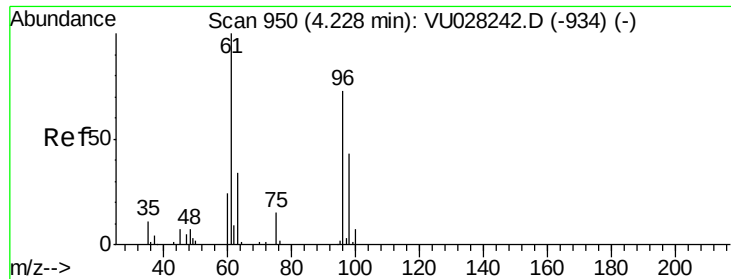
#21
 2-Butanone
 Concen: 50.279 ug/L
 RT: 4.28 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VU028304.D
 Acq: 21 Nov 2018 08:56

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.7	10.7	32.1



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0



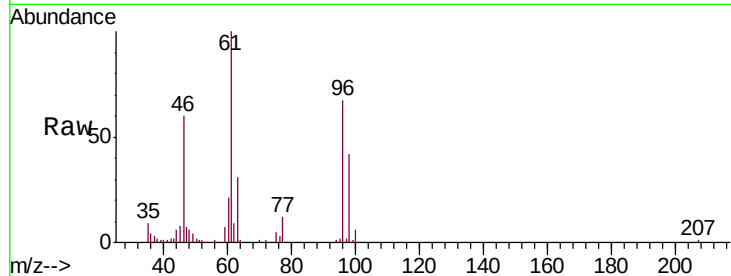


#22

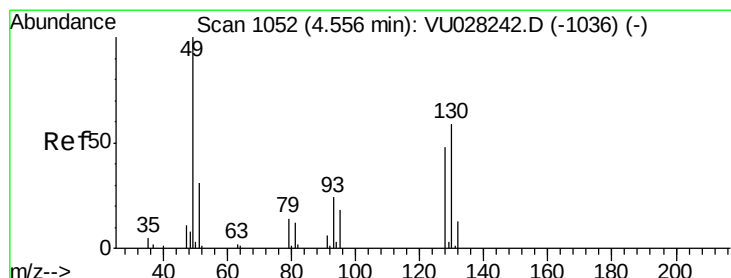
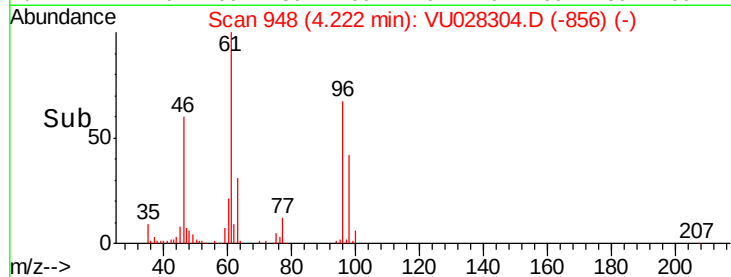
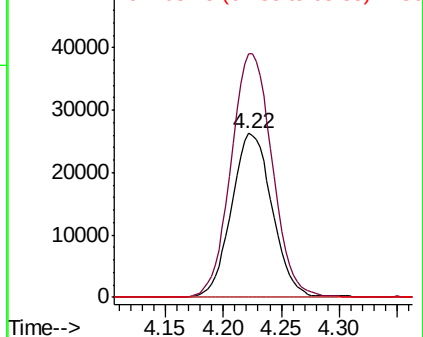
cis-1,2-Dichloroethene
Concen: 4.884 ug/L
RT: 4.22 min Scan# 948
Delta R.T. -0.00 min
Lab File: VU028304.D
Acq: 21 Nov 2018 08:56

Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

Tgt Ion: 96 Resp: 63967
Ion Ratio Lower Upper
96 100
61 148.8 108.0 200.6
68 0.0 0.0 0.0



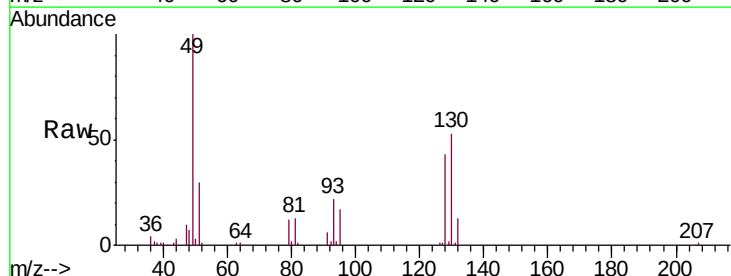
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



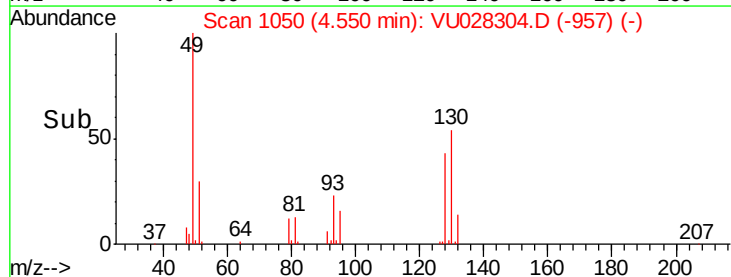
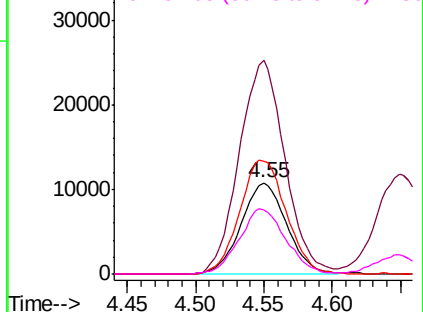
#23

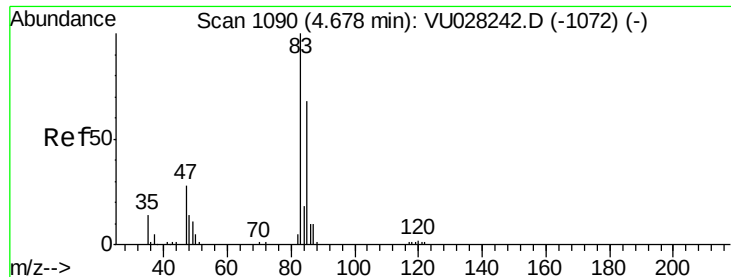
Bromochloromethane
Concen: 4.857 ug/L
RT: 4.55 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VU028304.D
Acq: 21 Nov 2018 08:56

Tgt Ion: 128 Resp: 24897
Ion Ratio Lower Upper
128 100
49 233.7 162.0 300.8
130 123.9 87.7 162.9
51 70.1 57.6 86.4



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

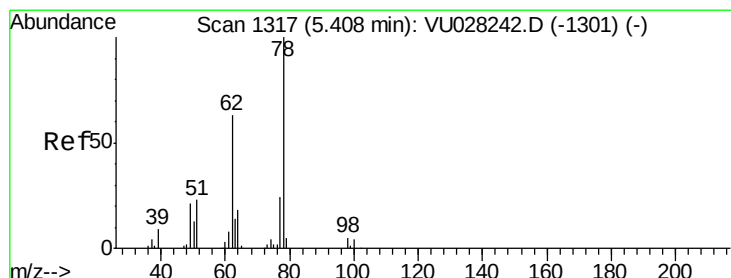
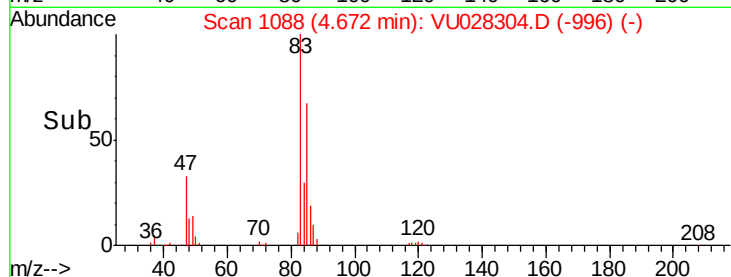
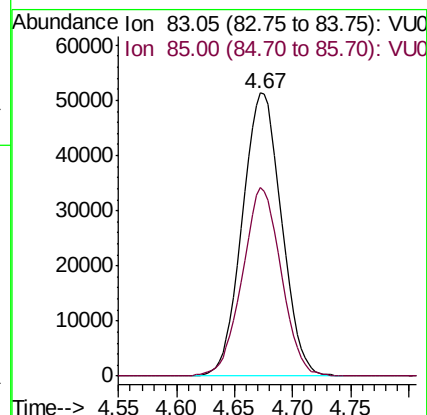
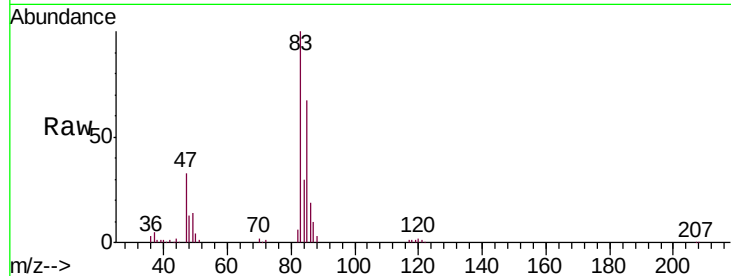




#25
Chloroform
Concen: 4.344 ug/L
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028304.D
Acq: 21 Nov 2018 08:56

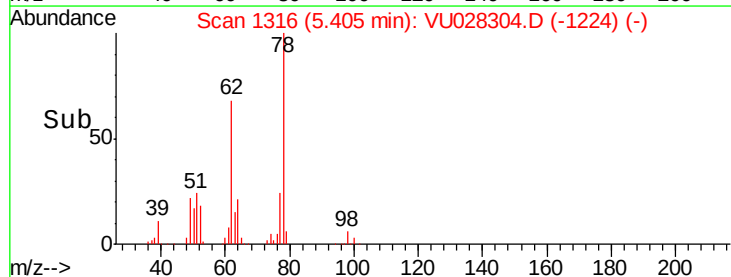
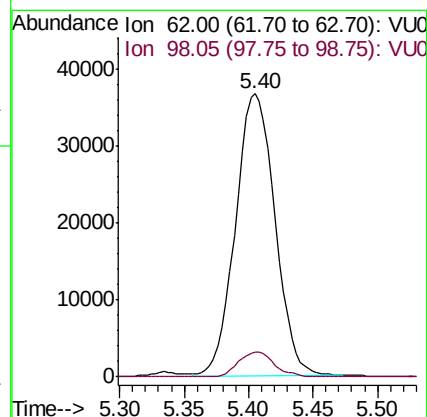
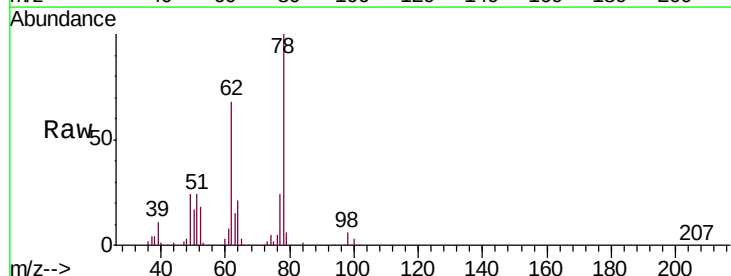
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

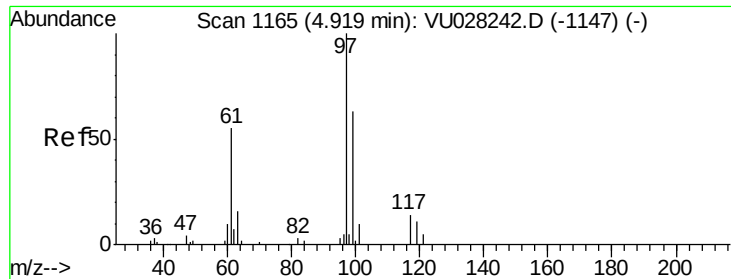
Tgt Ion: 83 Resp: 120777
Ion Ratio Lower Upper
83 100
85 66.5 44.6 82.8



#27
1,2-Dichloroethane
Concen: 4.939 ug/L
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU028304.D
Acq: 21 Nov 2018 08:56

Tgt Ion: 62 Resp: 78496
Ion Ratio Lower Upper
62 100
98 8.7 6.2 9.4

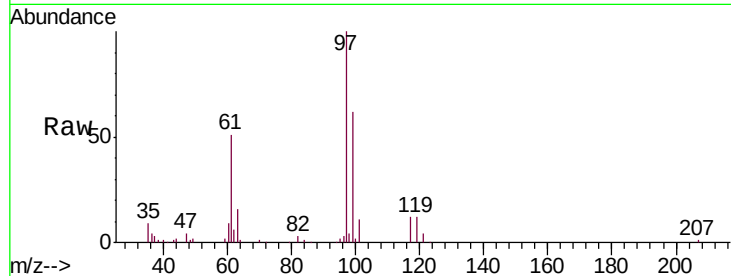




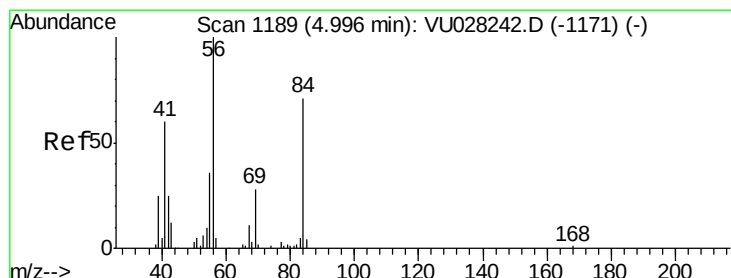
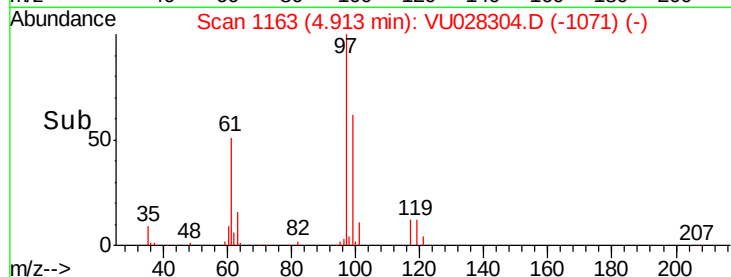
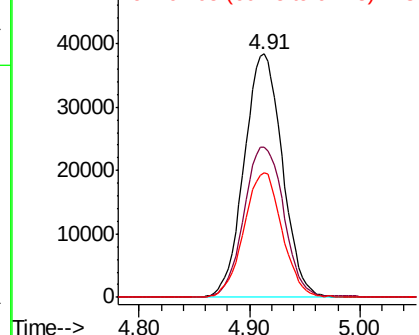
#29
 1,1,1-Trichloroethane
 Concen: 5.087 ug/L
 RT: 4.91 min Scan# 1163
 Delta R.T. -0.00 min
 Lab File: VU028304.D
 Acq: 21 Nov 2018 08:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Tgt Ion: 97 Resp: 92117
 Ion Ratio Lower Upper
 97 100
 99 64.5 50.8 76.2
 61 51.0 42.6 64.0

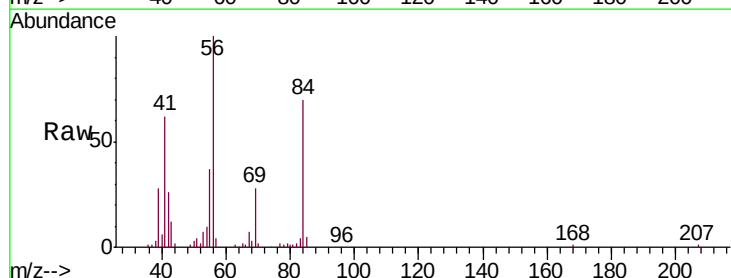


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

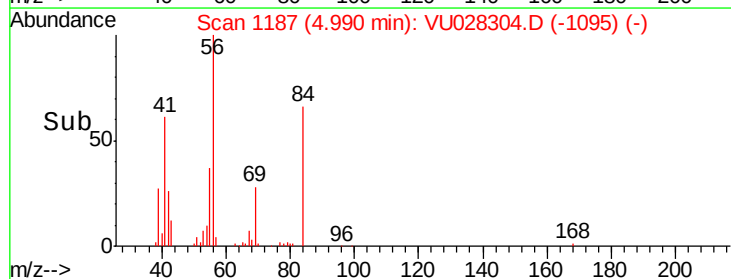
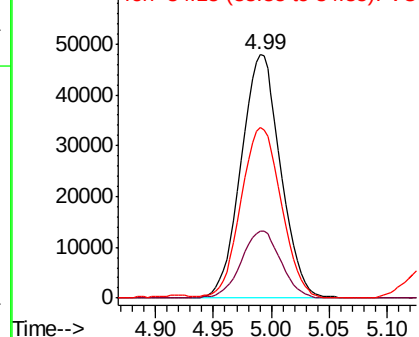


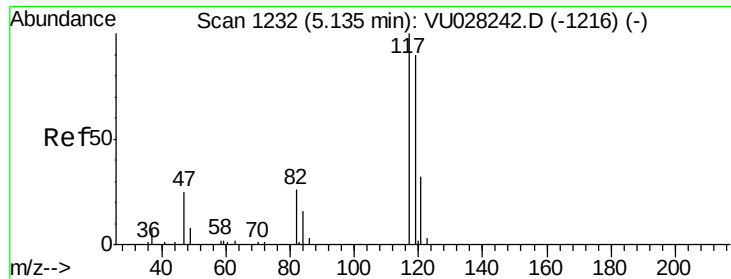
#30
 Cyclohexane
 Concen: 4.792 ug/L
 RT: 4.99 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: VU028304.D
 Acq: 21 Nov 2018 08:56

Tgt Ion: 56 Resp: 113560
 Ion Ratio Lower Upper
 56 100
 69 27.5 22.0 33.0
 84 71.8 56.0 84.0



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: 4.973 ug/L

RT: 5.13 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU028304.D

Acq: 21 Nov 2018 08:56

Instrument :

MSVOA_U

ClientSampleId :

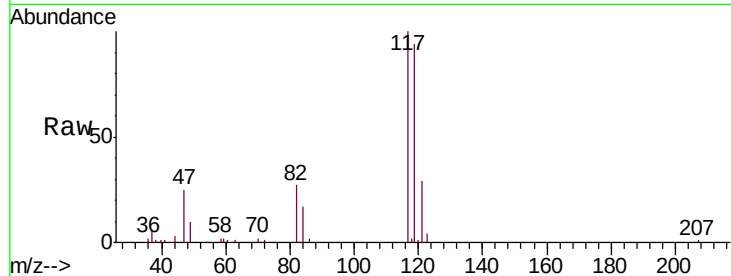
VSTD00526

Tgt Ion:117 Resp: 73875

Ion Ratio Lower Upper

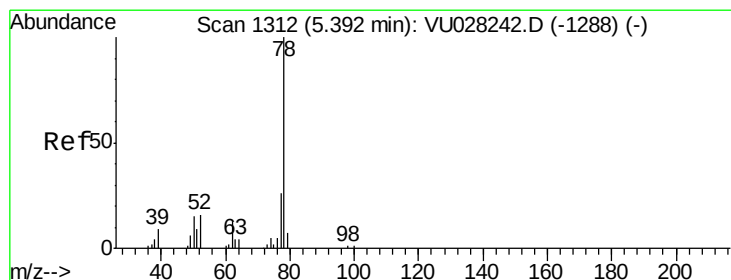
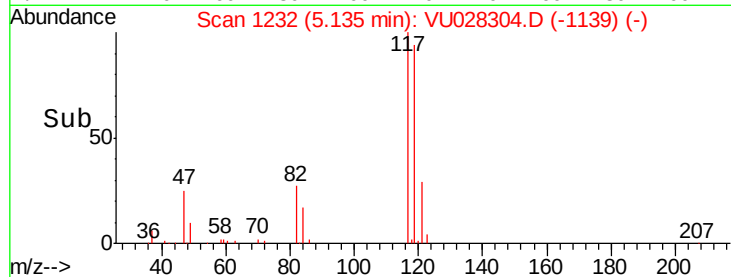
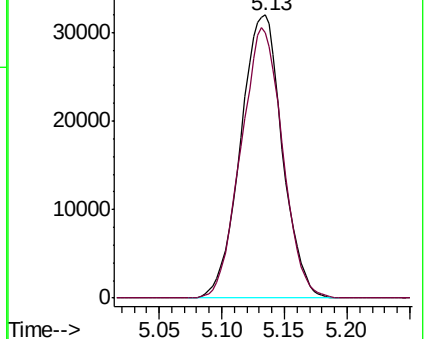
117 100

119 95.1 75.6 113.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.885 ug/L

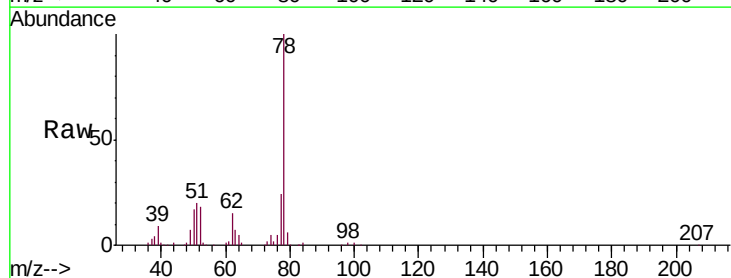
RT: 5.39 min Scan# 1311

Delta R.T. 0.00 min

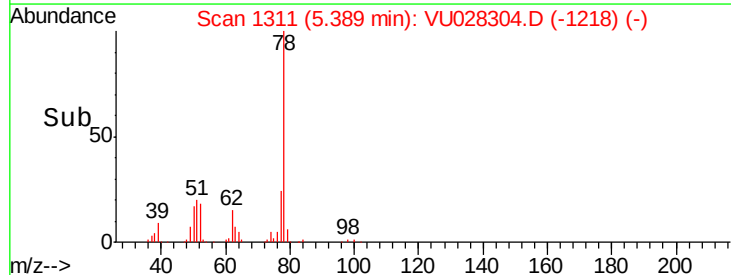
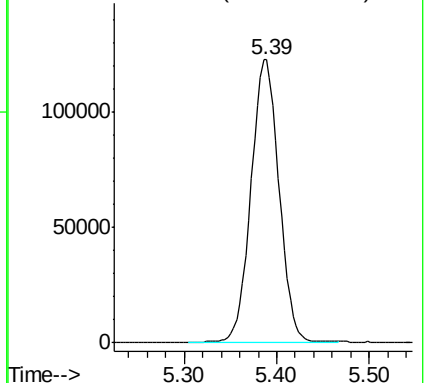
Lab File: VU028304.D

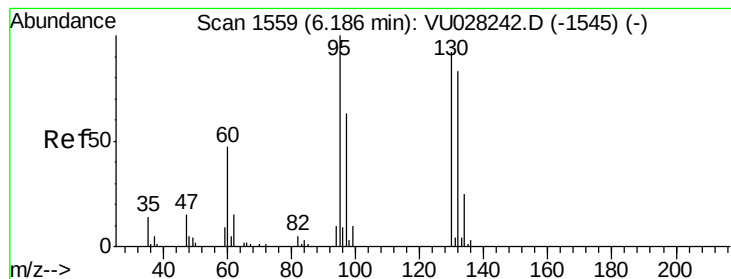
Acq: 21 Nov 2018 08:56

Tgt Ion: 78 Resp: 258877



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.891 ug/L

RT: 6.18 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VU028304.D

Acq: 21 Nov 2018 08:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

Tgt Ion: 95 Resp: 63453

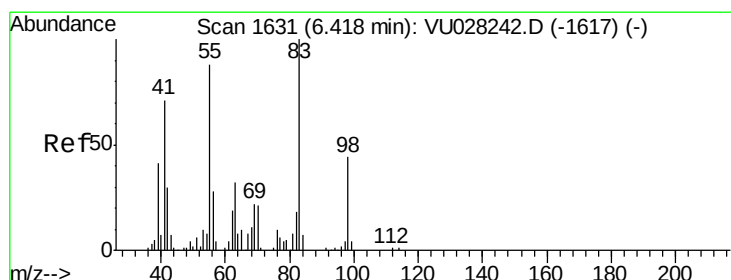
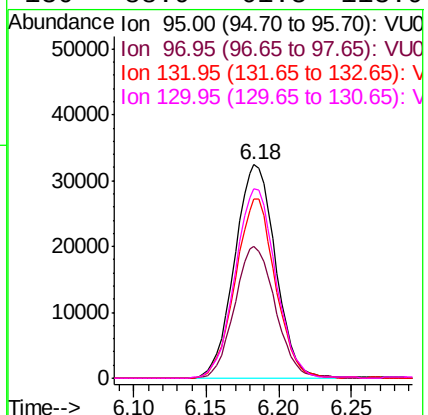
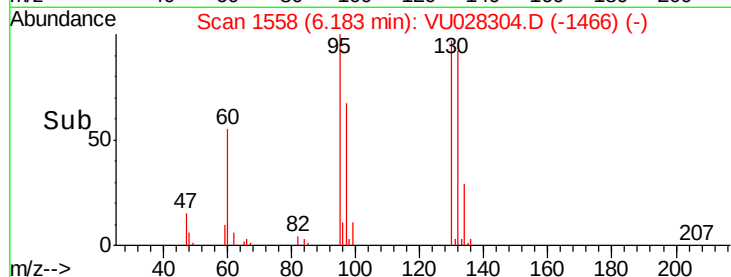
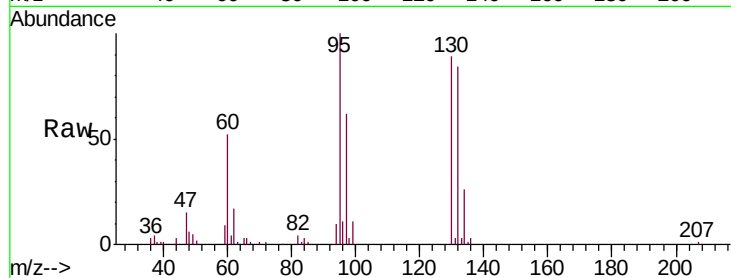
Ion Ratio Lower Upper

95 100

97 61.6 46.5 86.3

132 84.1 58.9 109.3

130 88.9 61.3 113.9



#35

Methylcyclohexane

Concen: 4.934 ug/L

RT: 6.41 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VU028304.D

Acq: 21 Nov 2018 08:56

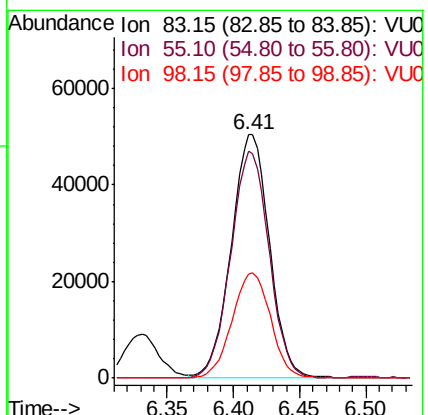
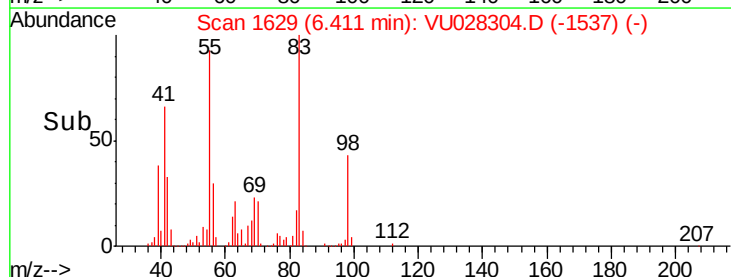
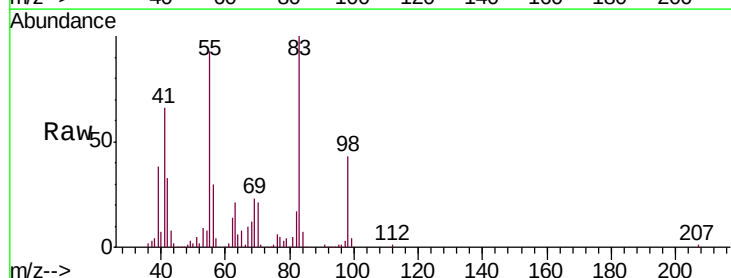
Tgt Ion: 83 Resp: 100857

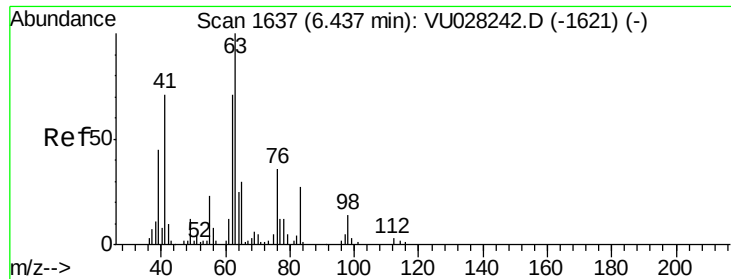
Ion Ratio Lower Upper

83 100

55 93.6 73.2 109.8

98 43.6 33.4 50.2

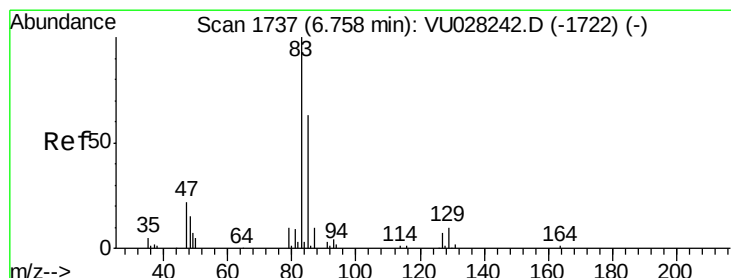
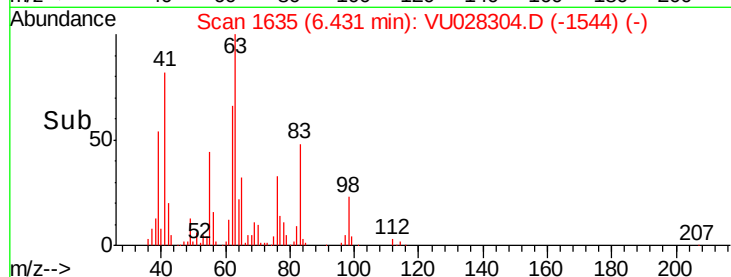
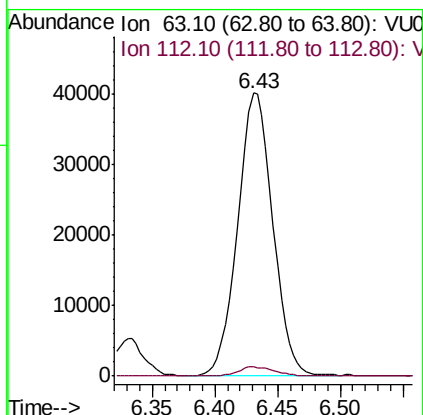
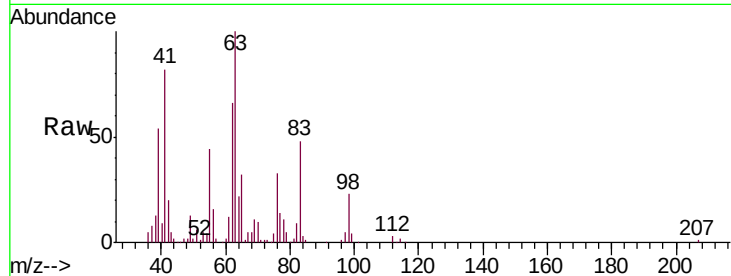




#37
 1,2-Dichloropropane
 Concen: 5.164 ug/L
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.01 min
 Lab File: VU028304.D
 Acq: 21 Nov 2018 08:56

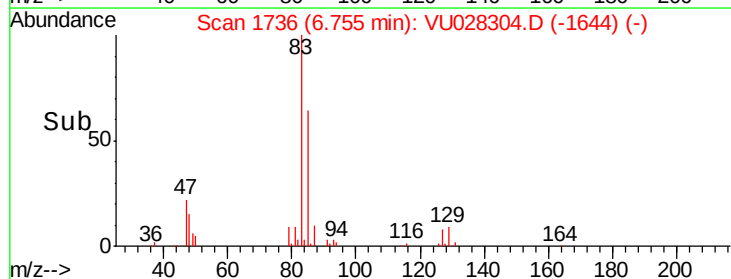
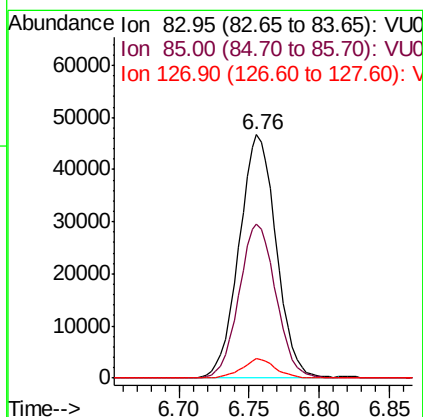
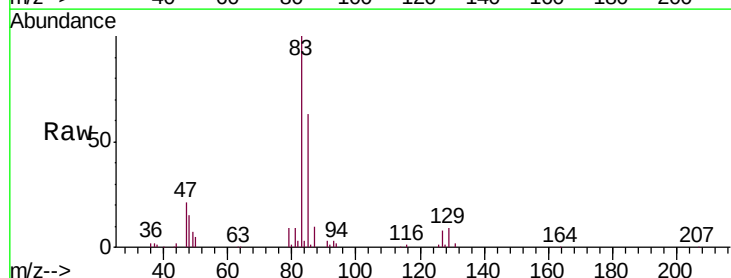
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

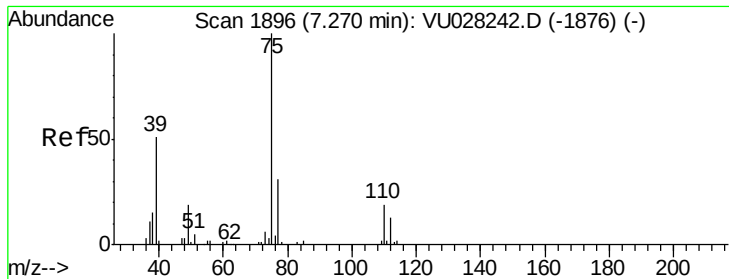
Tgt Ion: 63 Resp: 78096
 Ion Ratio Lower Upper
 63 100
 112 3.4 2.2 3.2#



#38
 Bromodichloromethane
 Concen: 5.220 ug/L
 RT: 6.76 min Scan# 1736
 Delta R.T. -0.00 min
 Lab File: VU028304.D
 Acq: 21 Nov 2018 08:56

Tgt Ion: 83 Resp: 86075
 Ion Ratio Lower Upper
 83 100
 85 63.3 44.2 82.0
 127 8.0 6.2 9.4

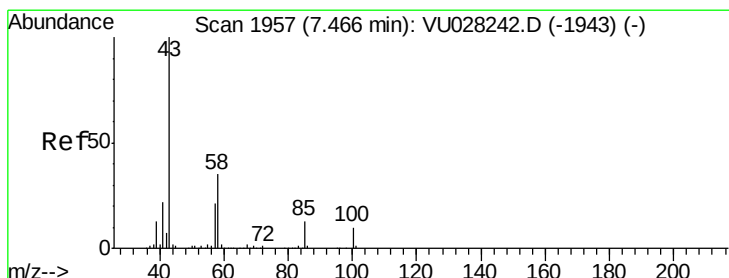
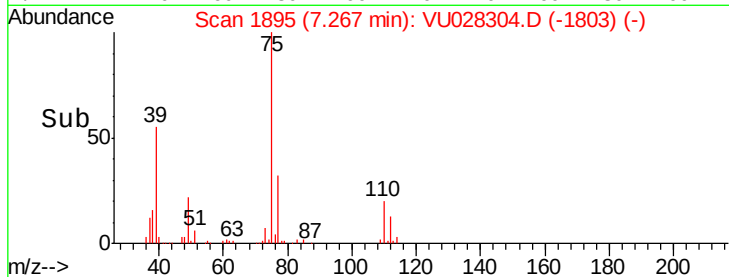
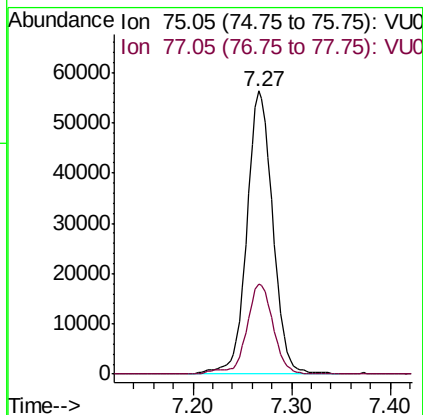
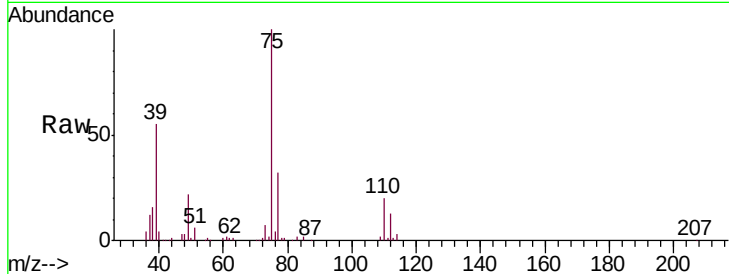




#39
 cis-1,3-Dichloropropene
 Concen: 5.331 ug/L
 RT: 7.27 min Scan# 1895
 Delta R.T. -0.00 min
 Lab File: VU028304.D
 Acq: 21 Nov 2018 08:56

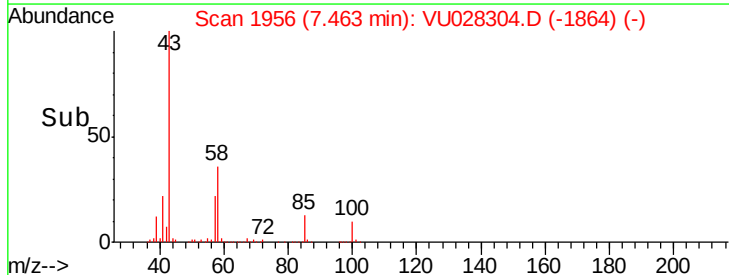
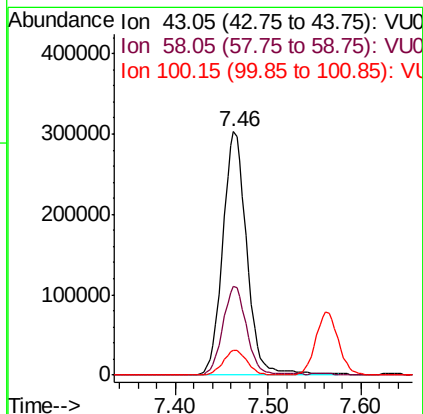
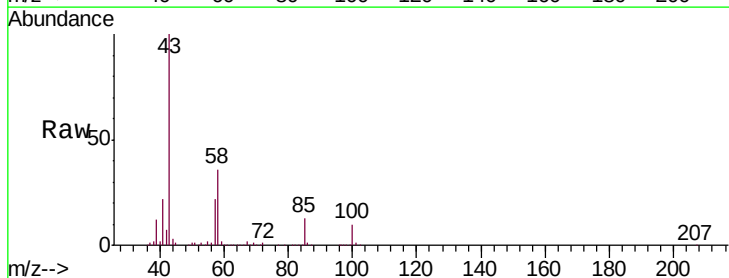
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

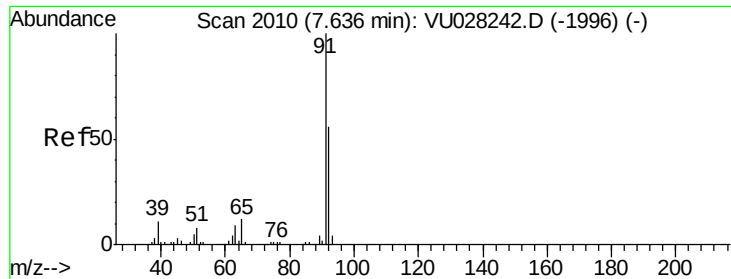
Tgt Ion: 75 Resp: 102180
 Ion Ratio Lower Upper
 75 100
 77 31.9 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 50.404 ug/L
 RT: 7.46 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VU028304.D
 Acq: 21 Nov 2018 08:56

Tgt Ion: 43 Resp: 544929
 Ion Ratio Lower Upper
 43 100
 58 36.4 28.8 43.2
 100 10.0 8.0 12.0





#42

Toluene

Concen: 4.922 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028304.D

Acq: 21 Nov 2018 08:56

Instrument :

MSVOA_U

ClientSampleId :

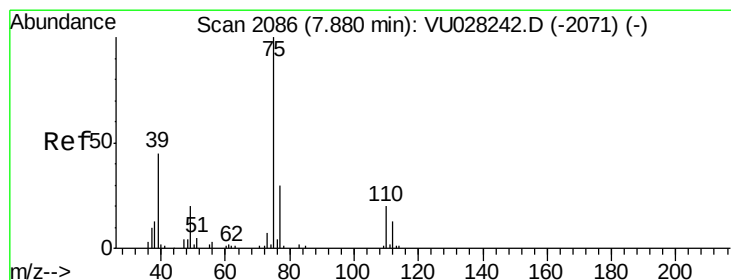
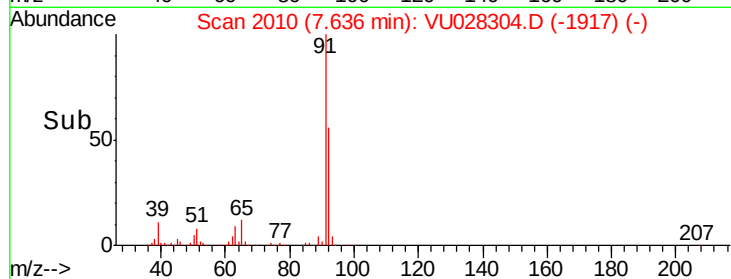
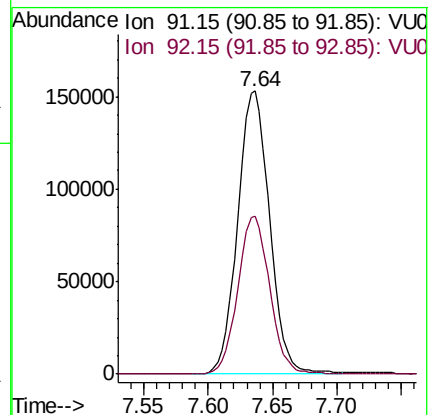
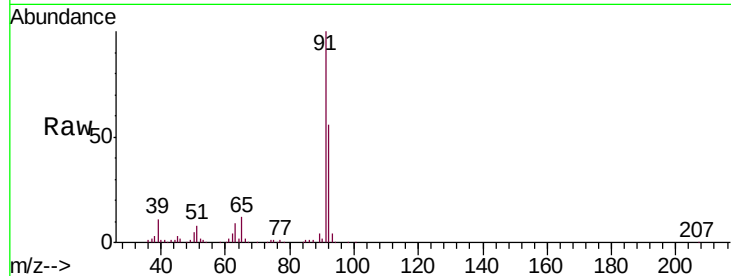
VSTD00526

Tgt Ion: 91 Resp: 264373

Ion Ratio Lower Upper

91 100

92 55.6 39.0 72.4



#44

trans-1,3-Dichloropropene

Concen: 5.581 ug/L

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU028304.D

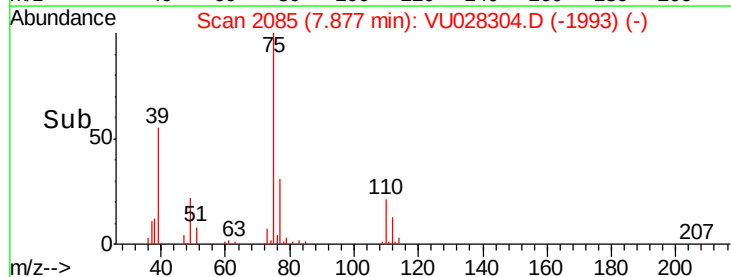
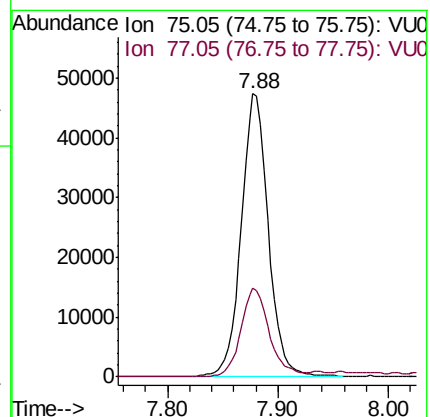
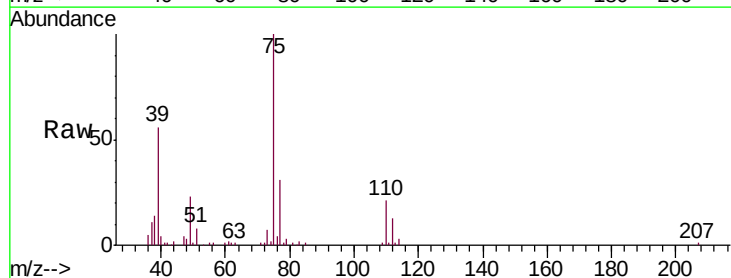
Acq: 21 Nov 2018 08:56

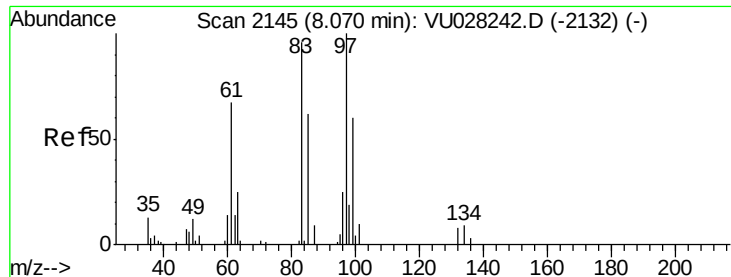
Tgt Ion: 75 Resp: 80470

Ion Ratio Lower Upper

75 100

77 31.3 21.8 40.6

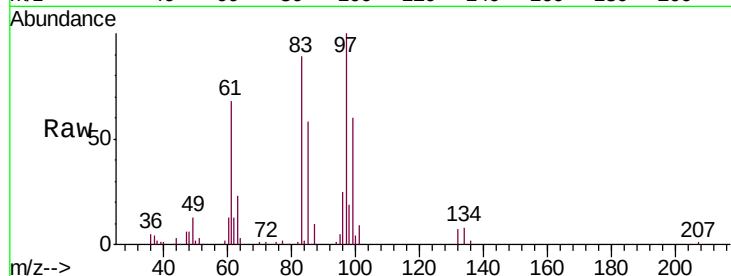




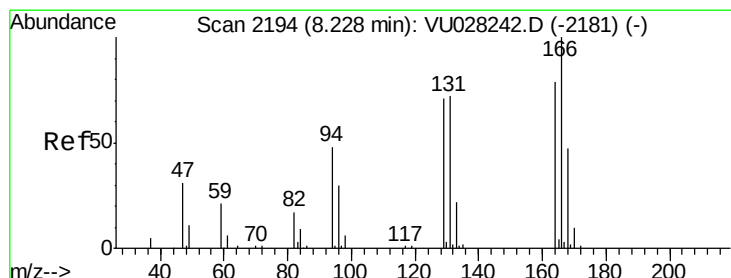
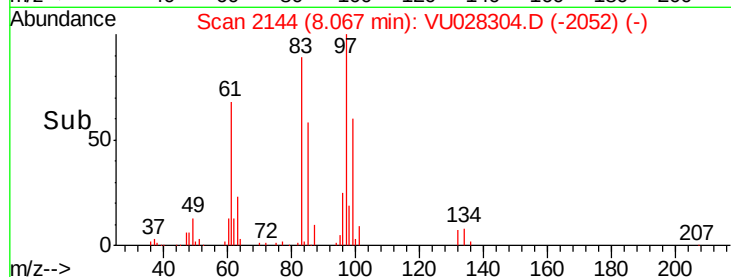
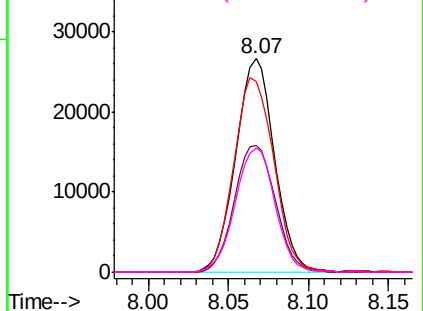
#45
 1,1,2-Trichloroethane
 Concen: 4.826 ug/L
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU028304.D
 Acq: 21 Nov 2018 08:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Tgt Ion:	97	Resp:	44101
Ion	Ratio	Lower	Upper
97	100		
99	59.6	44.2	82.0
83	89.3	63.3	117.5
85	58.3	41.9	77.9

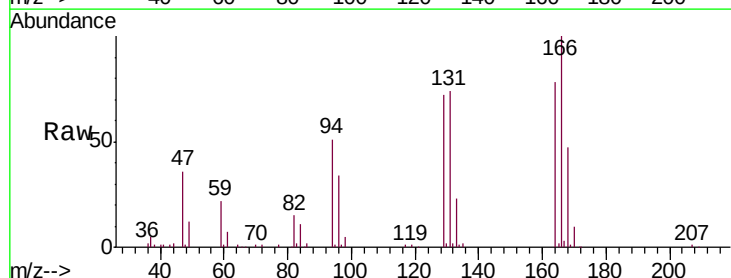


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

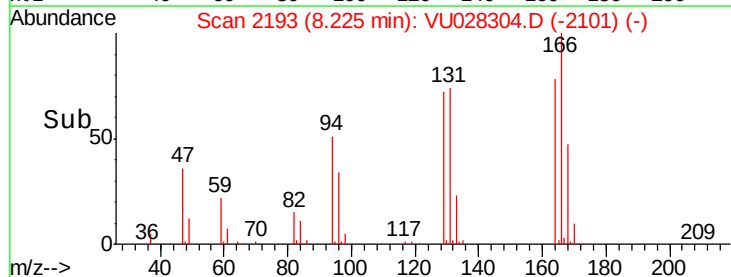
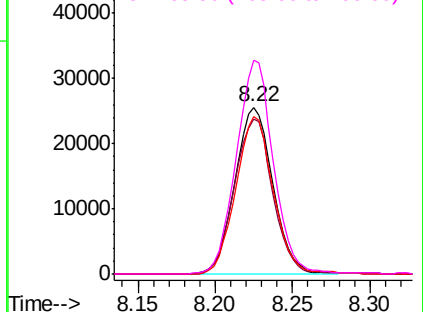


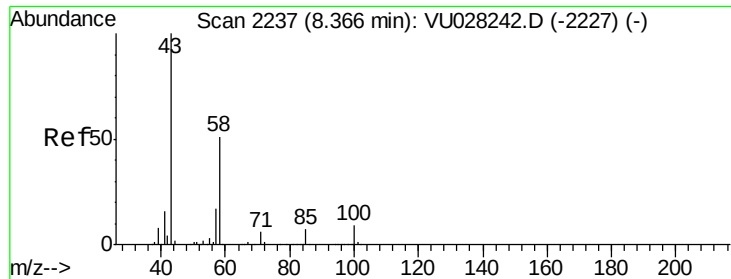
#47
 Tetrachloroethene
 Concen: 4.837 ug/L
 RT: 8.22 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VU028304.D
 Acq: 21 Nov 2018 08:56

Tgt Ion:	164	Resp:	43569
Ion	Ratio	Lower	Upper
164	100		
129	92.7	67.6	125.6
131	94.2	66.3	123.1
166	128.0	89.2	165.6



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

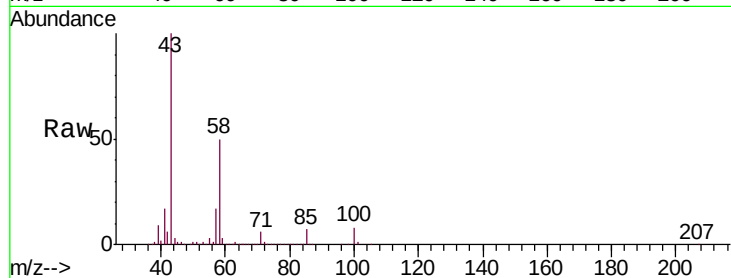




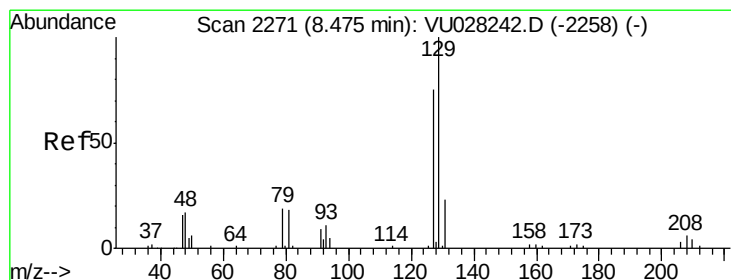
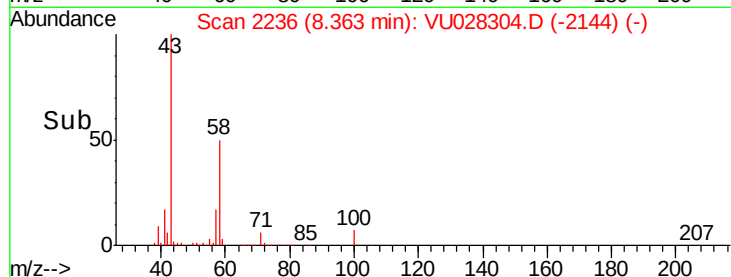
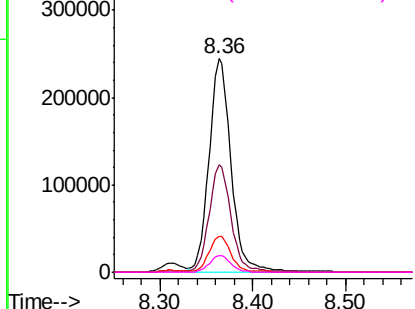
#48
2-Hexanone
Concen: 52.141 ug/L
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU028304.D
Acq: 21 Nov 2018 08:56

Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

Tgt Ion: 43 Resp: 401921
Ion Ratio Lower Upper
43 100
58 50.0 41.1 61.7
57 16.7 13.8 20.8
100 7.9 6.5 9.7

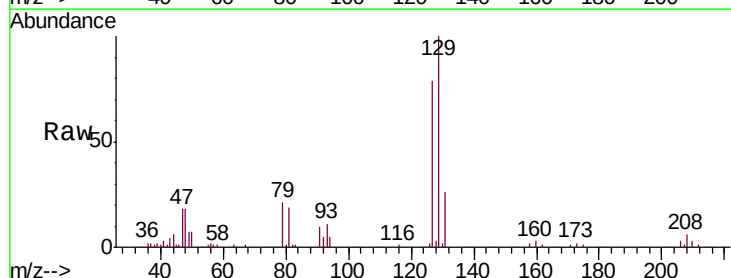


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

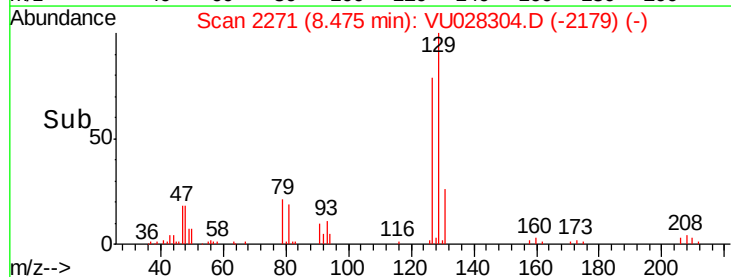
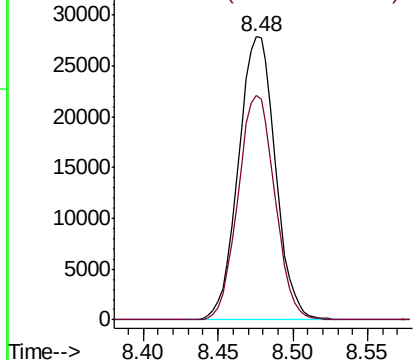


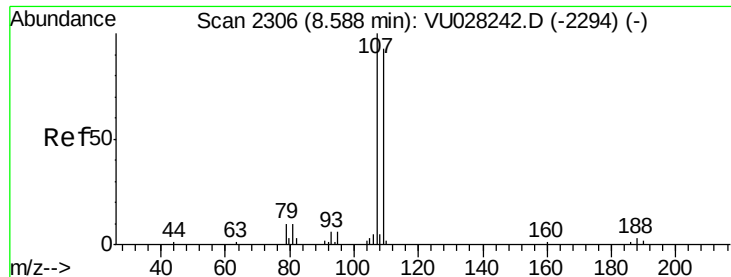
#49
Dibromochloromethane
Concen: 5.193 ug/L
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028304.D
Acq: 21 Nov 2018 08:56

Tgt Ion: 129 Resp: 48025
Ion Ratio Lower Upper
129 100
127 79.4 54.7 101.5



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

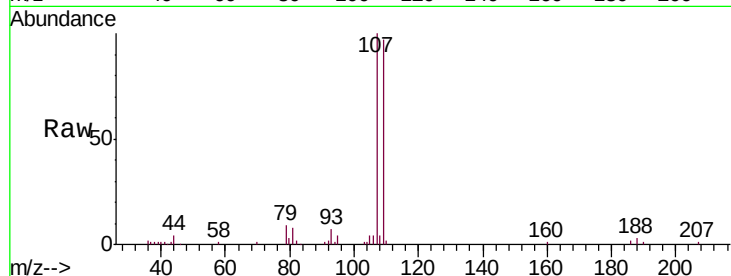




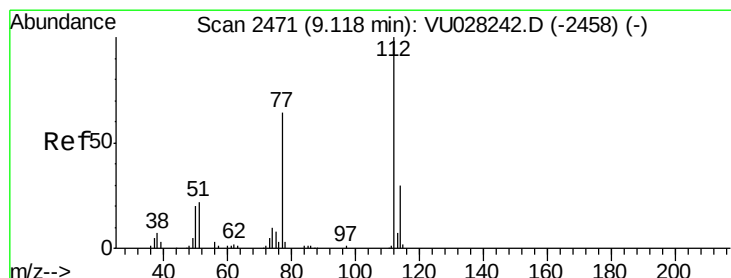
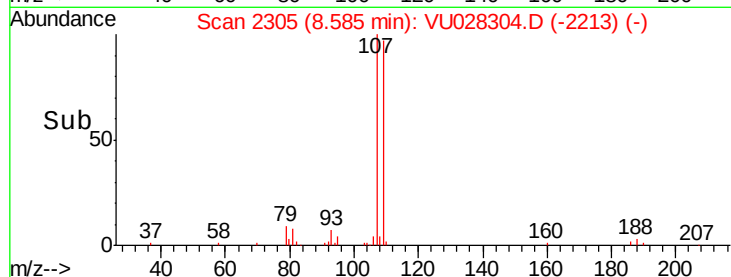
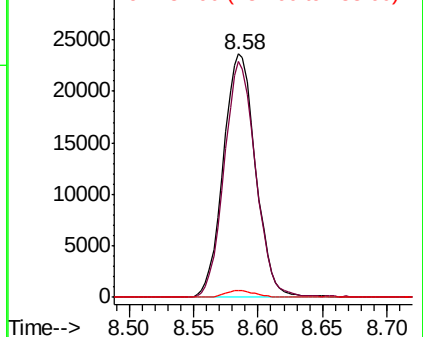
#50
 1,2-Dibromoethane
 Concen: 4.984 ug/L
 RT: 8.58 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VU028304.D
 Acq: 21 Nov 2018 08:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Tgt Ion:107 Resp: 41163
 Ion Ratio Lower Upper
 107 100
 109 96.9 63.7 118.3
 188 2.9 2.5 3.7

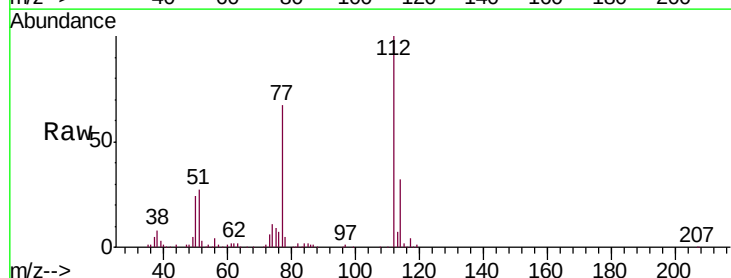


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

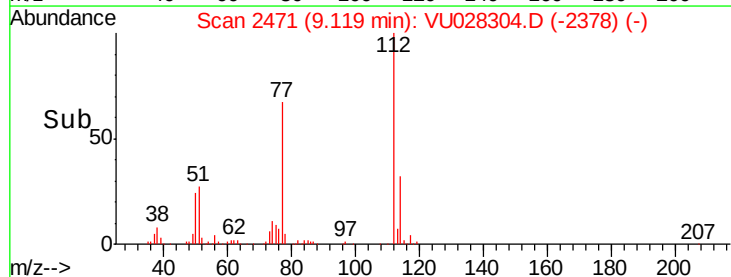
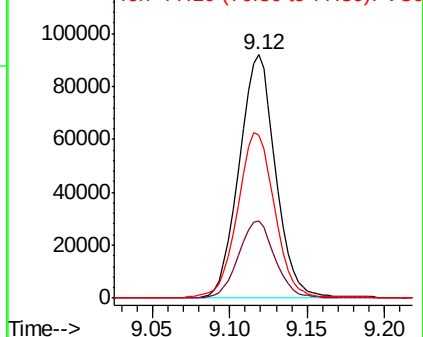


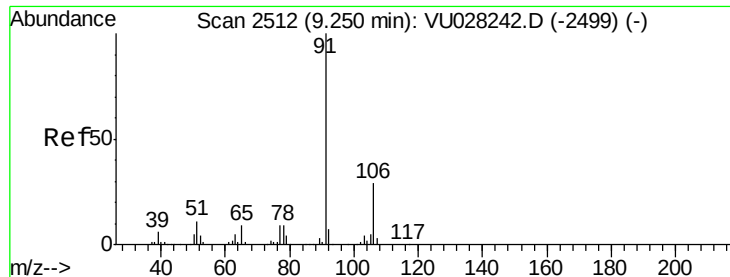
#51
 Chlorobenzene
 Concen: 4.871 ug/L
 RT: 9.12 min Scan# 2471
 Delta R.T. 0.00 min
 Lab File: VU028304.D
 Acq: 21 Nov 2018 08:56

Tgt Ion:112 Resp: 150677
 Ion Ratio Lower Upper
 112 100
 114 31.6 22.3 41.5
 77 67.0 52.4 78.6



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): VU0

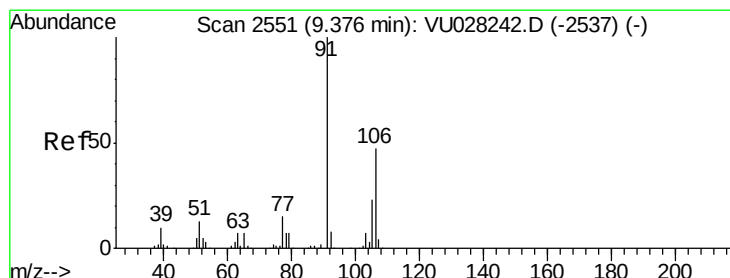
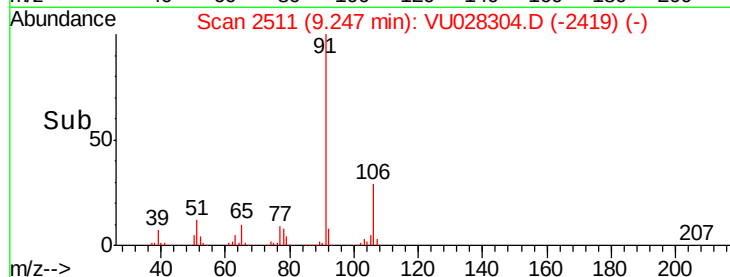
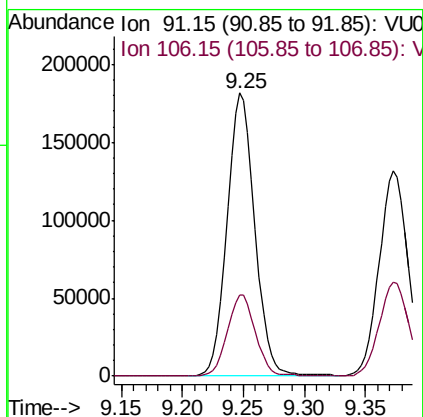
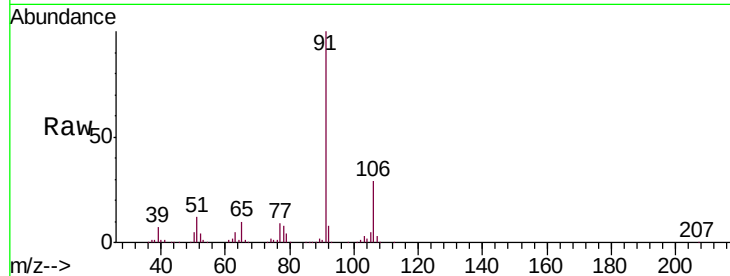




#52
Ethylbenzene
Concen: 5.011 ug/L
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028304.D
Acq: 21 Nov 2018 08:56

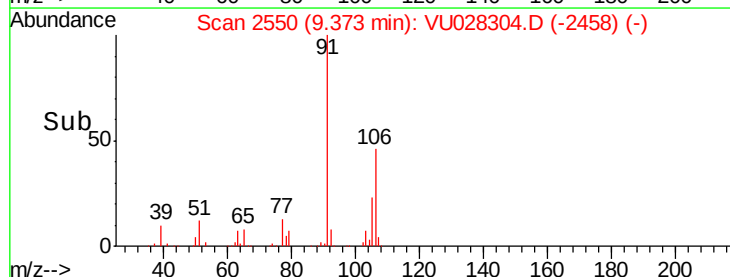
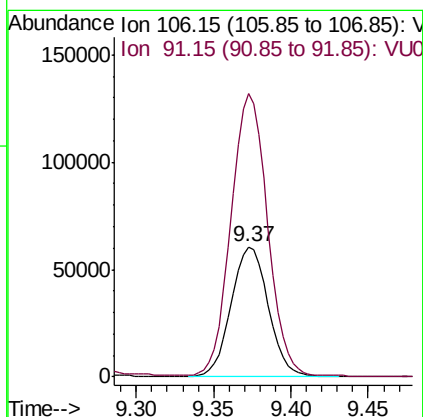
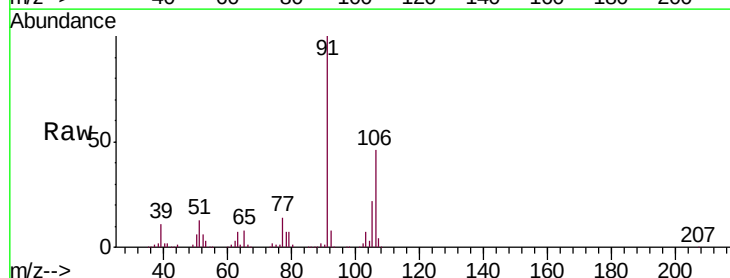
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

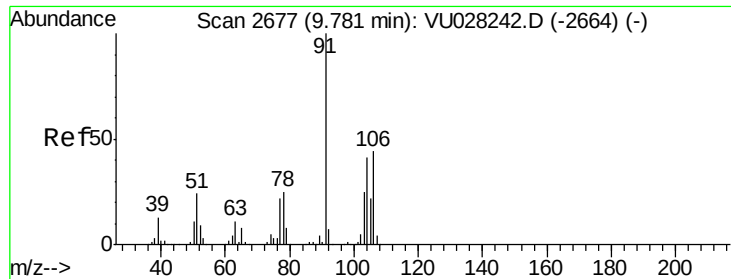
Tgt Ion: 91 Resp: 289656
Ion Ratio Lower Upper
91 100
106 28.6 19.3 35.9



#53
m,p-xylene
Concen: 5.009 ug/L
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028304.D
Acq: 21 Nov 2018 08:56

Tgt Ion: 106 Resp: 100470
Ion Ratio Lower Upper
106 100
91 218.0 150.6 279.6

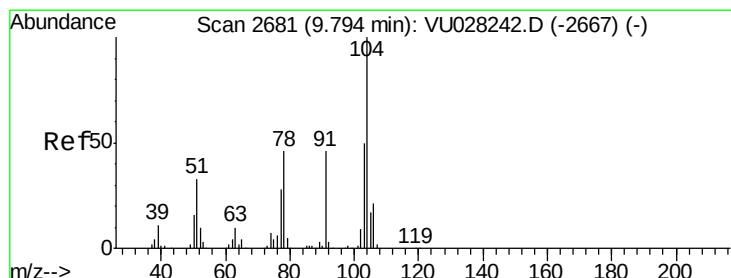
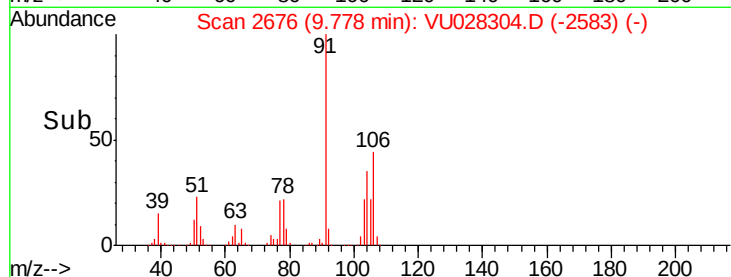
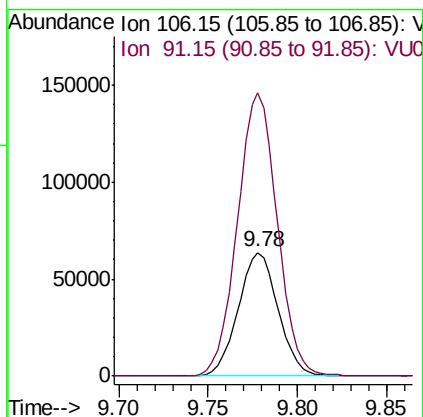
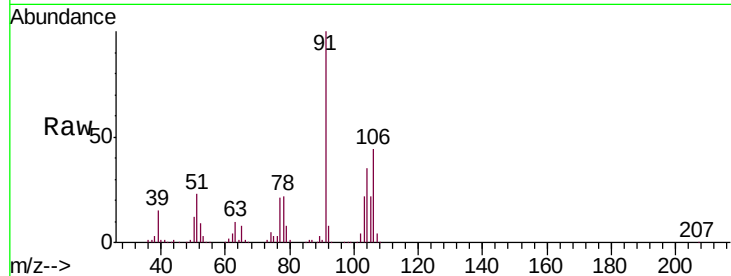




#54
o-xylene
Concen: 4.975 ug/L
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028304.D
Acq: 21 Nov 2018 08:56

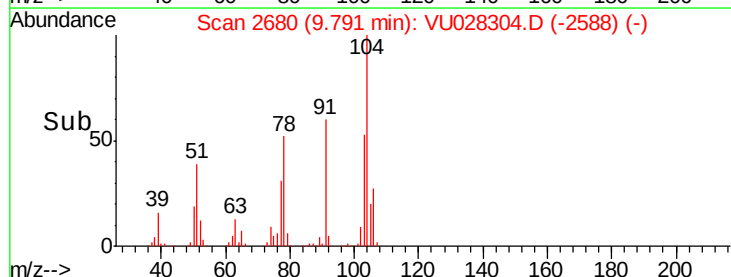
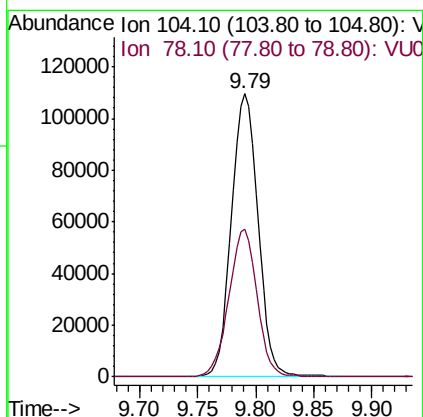
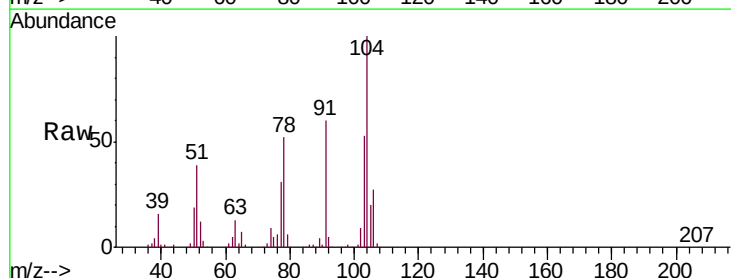
Instrument :
MSVOA_U
ClientSampleId :
VSTD00526

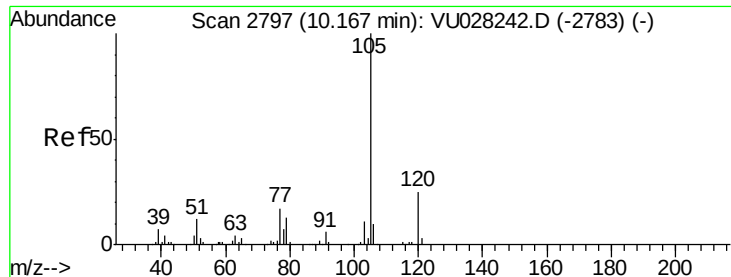
Tgt Ion:106 Resp: 99658
Ion Ratio Lower Upper
106 100
91 229.1 157.5 292.5



#55
Styrene
Concen: 5.192 ug/L
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028304.D
Acq: 21 Nov 2018 08:56

Tgt Ion:104 Resp: 174620
Ion Ratio Lower Upper
104 100
78 52.2 33.4 62.0





#56

Isopropylbenzene

Concen: 5.059 ug/L

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028304.D

Acq: 21 Nov 2018 08:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

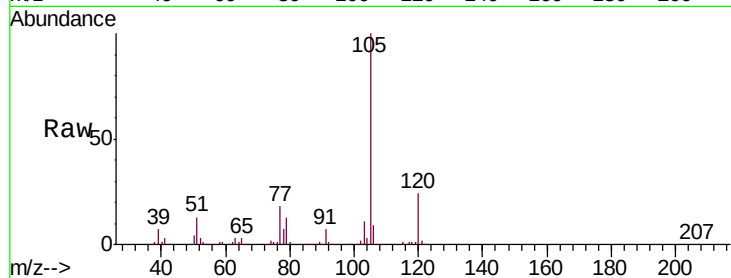
Tgt Ion: 105 Resp: 271459

Ion Ratio Lower Upper

105 100

120 24.8 20.3 30.5

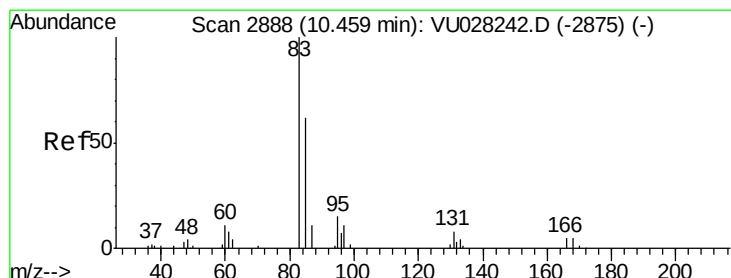
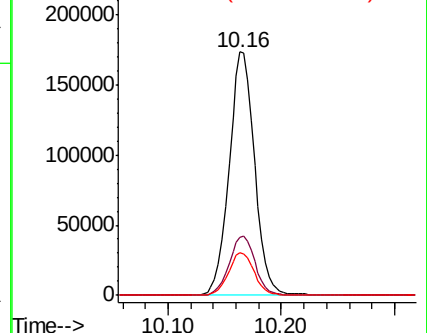
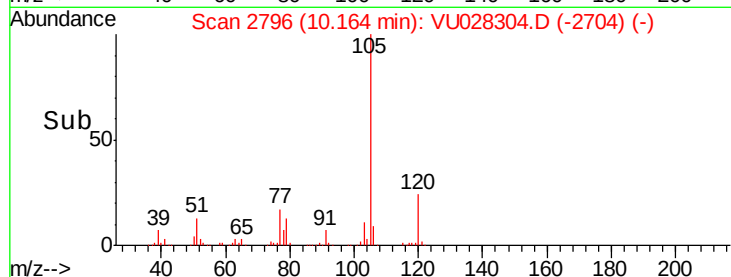
77 17.5 14.5 21.7



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: 5.218 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028304.D

Acq: 21 Nov 2018 08:56

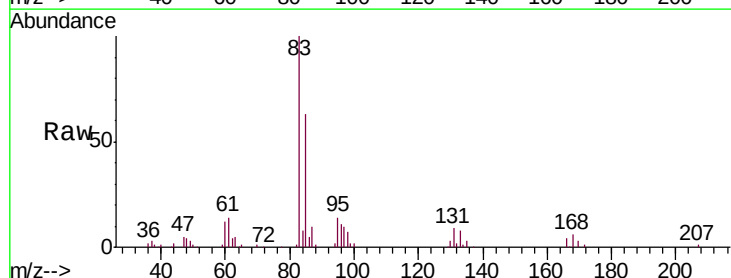
Tgt Ion: 83 Resp: 61286

Ion Ratio Lower Upper

83 100

85 63.2 46.1 85.5

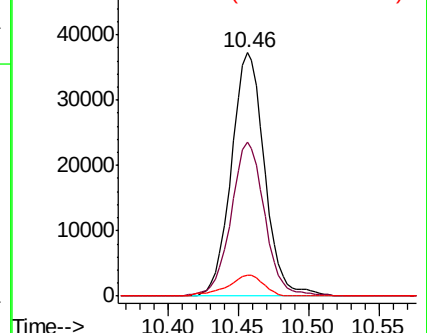
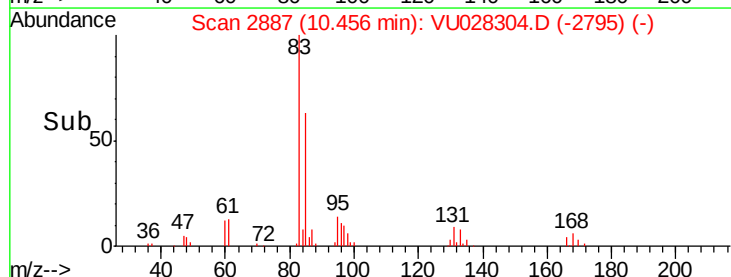
131 8.6 6.2 9.2

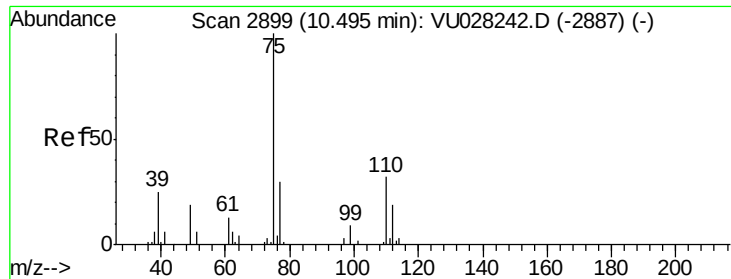


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.049 ug/L

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028304.D

Acq: 21 Nov 2018 08:56

Instrument :

MSVOA_U

ClientSampleId :

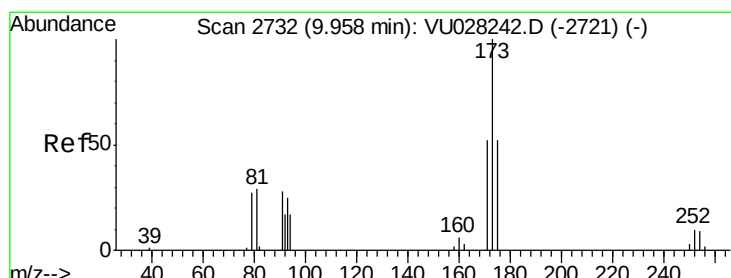
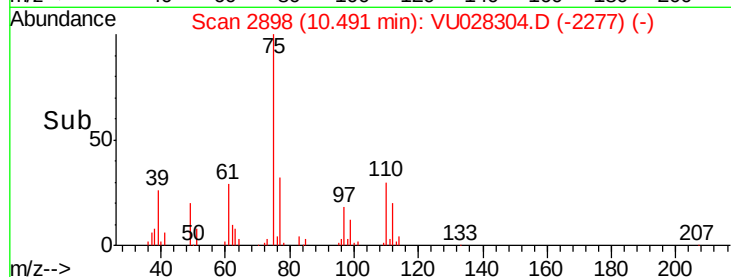
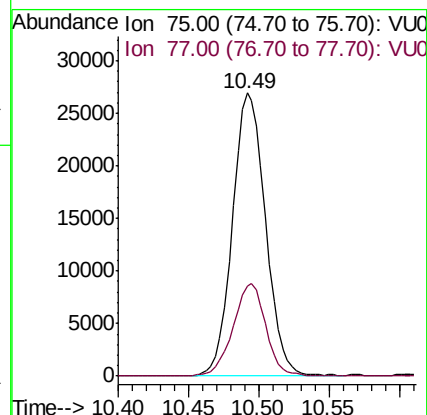
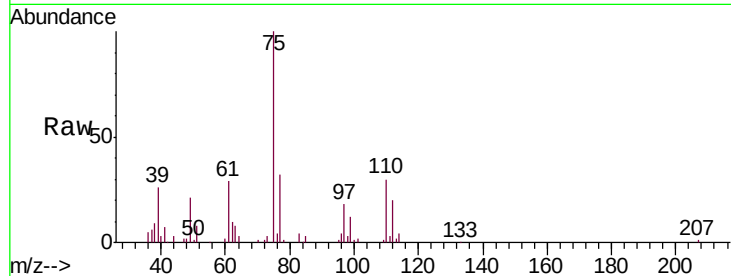
VSTD00526

Tgt Ion: 75 Resp: 44117

Ion Ratio Lower Upper

75 100

77 32.3 25.7 38.5



#61

Bromoform

Concen: 5.559 ug/L

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU028304.D

Acq: 21 Nov 2018 08:56

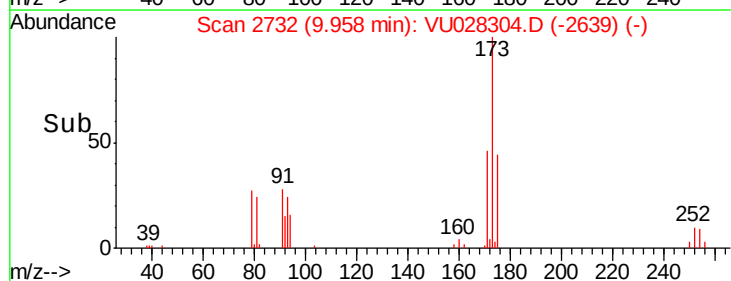
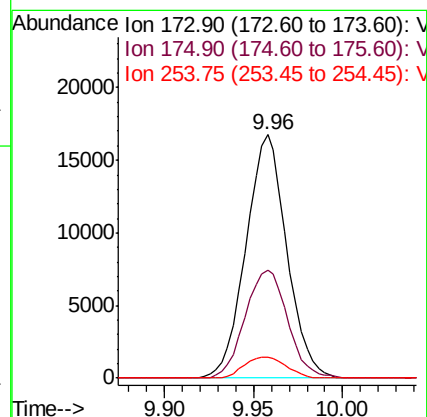
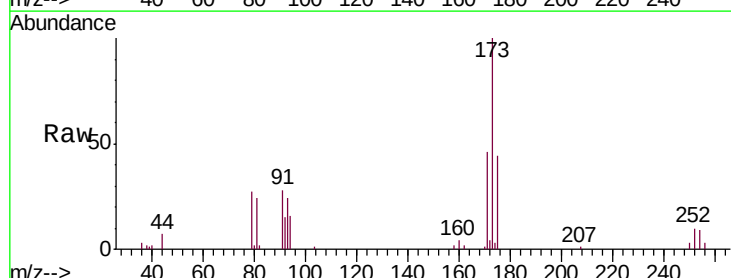
Tgt Ion: 173 Resp: 26825

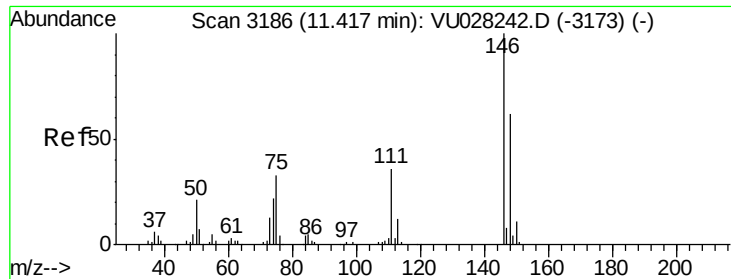
Ion Ratio Lower Upper

173 100

175 46.1 38.7 58.1

254 8.9 6.6 10.0





#62

1,3-Dichlorobenzene

Concen: 4.981 ug/L

RT: 11.41 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VU028304.D

Acq: 21 Nov 2018 08:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

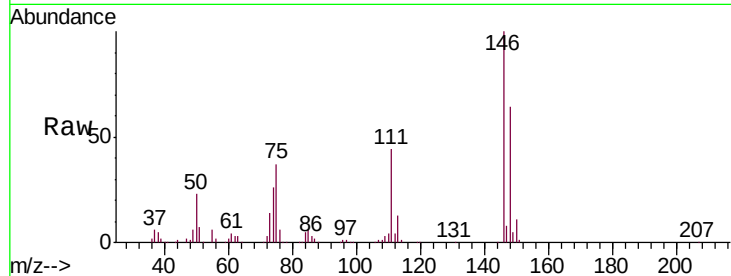
Tgt Ion:146 Resp: 115388

Ion Ratio Lower Upper

146 100

111 44.0 30.4 56.4

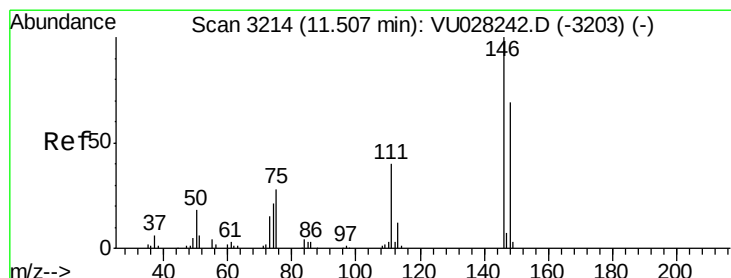
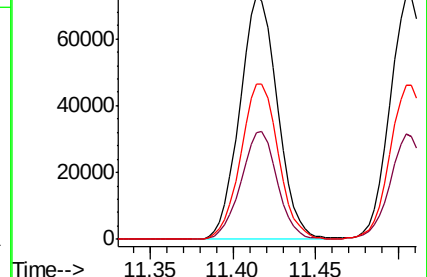
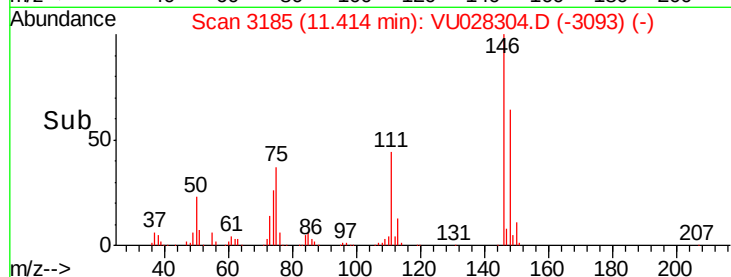
148 63.8 45.3 84.1



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.904 ug/L

RT: 11.50 min Scan# 3213

Delta R.T. -0.00 min

Lab File: VU028304.D

Acq: 21 Nov 2018 08:56

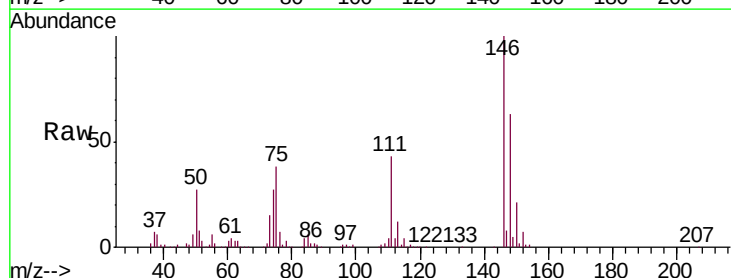
Tgt Ion:146 Resp: 115896

Ion Ratio Lower Upper

146 100

111 43.2 28.9 53.7

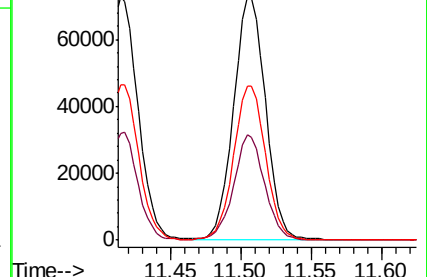
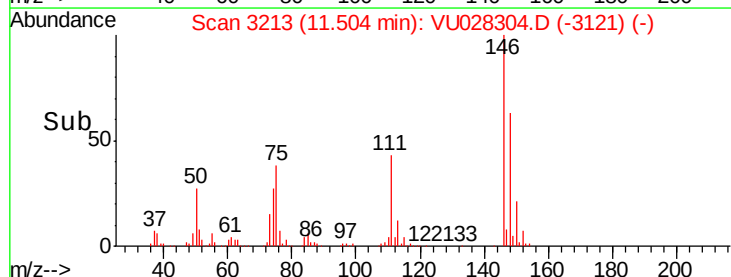
148 63.1 44.5 82.7

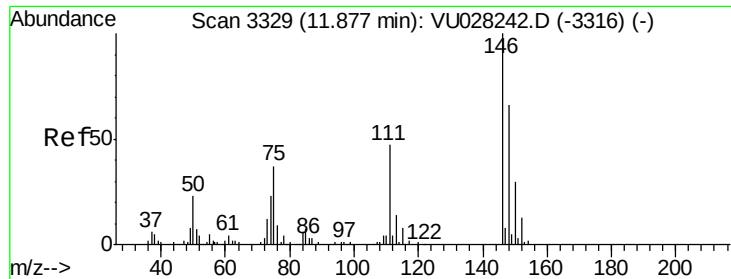


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

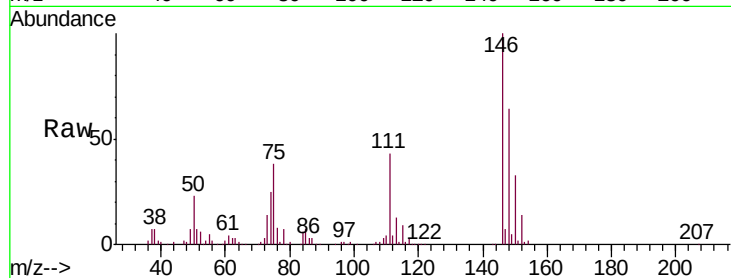




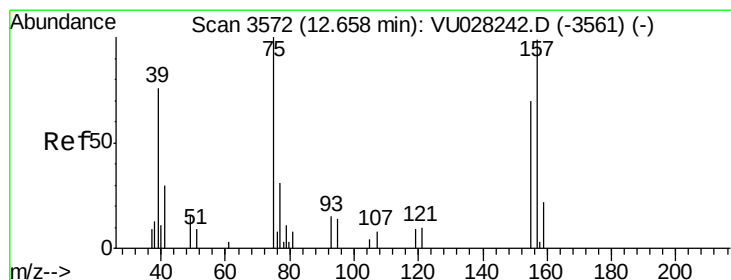
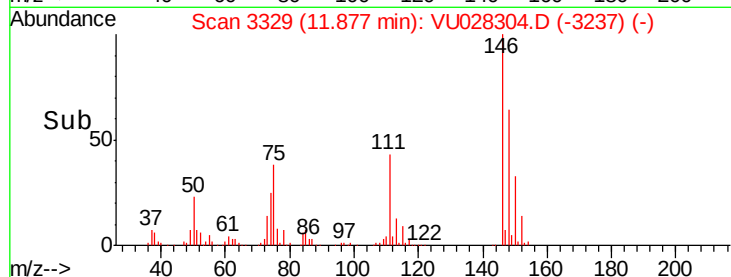
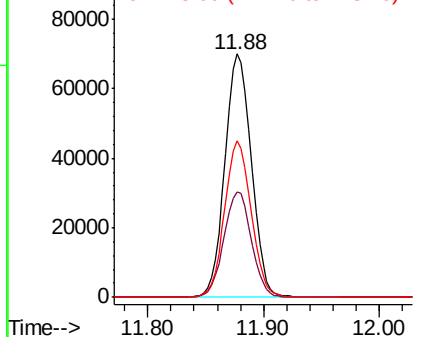
#65
 1,2-Dichlorobenzene
 Concen: 4.864 ug/L
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028304.D
 Acq: 21 Nov 2018 08:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Tgt Ion: 146 Resp: 110485
 Ion Ratio Lower Upper
 146 100
 111 43.2 34.7 52.1
 148 64.2 51.2 76.8

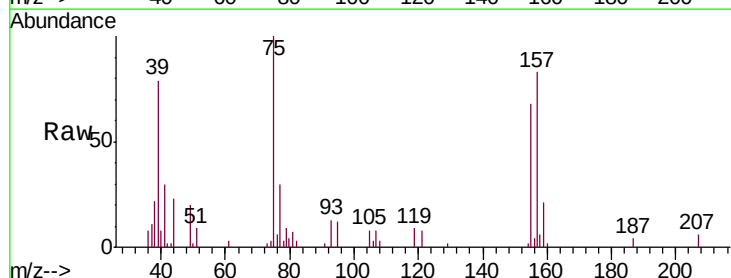


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

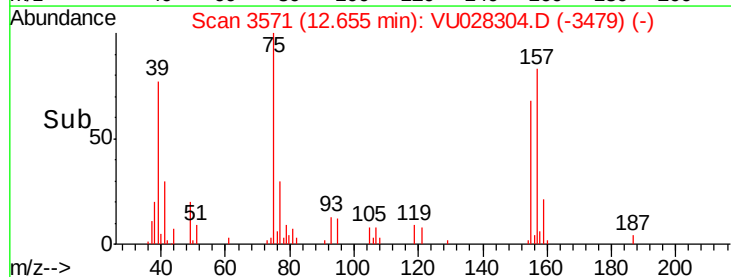
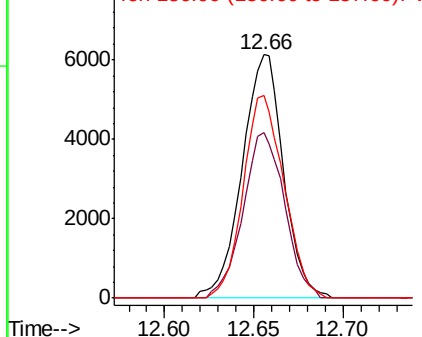


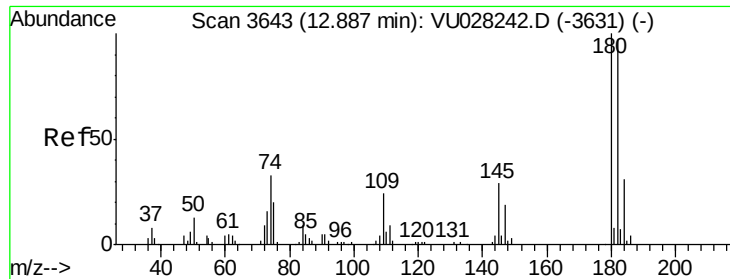
#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.615 ug/L
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028304.D
 Acq: 21 Nov 2018 08:56

Tgt Ion: 75 Resp: 9936
 Ion Ratio Lower Upper
 75 100
 155 68.2 46.1 69.1
 157 83.4 67.0 100.6



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

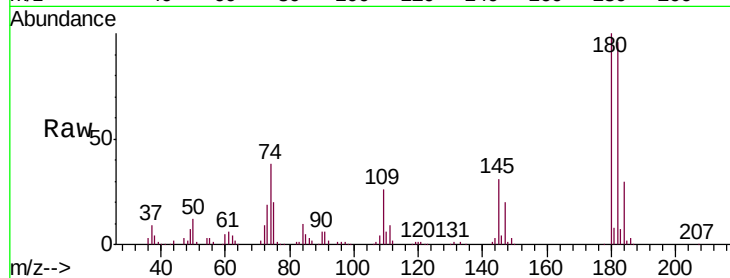




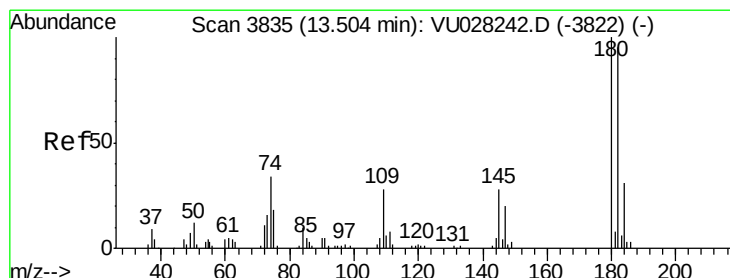
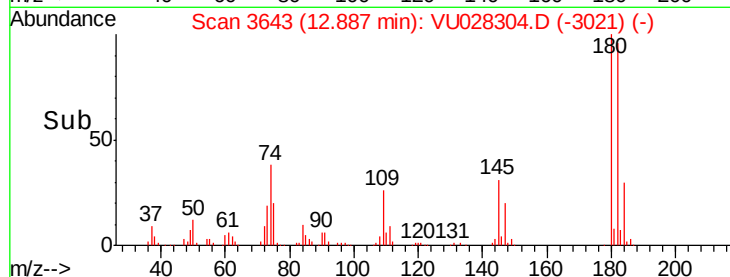
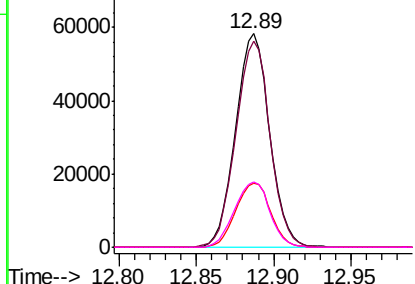
#67
 1,3,5-Trichlorobenzene
 Concen: 5.030 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU028304.D
 Acq: 21 Nov 2018 08:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00526

Tgt Ion:180 Resp: 89118
 Ion Ratio Lower Upper
 180 100
 182 96.8 77.5 116.3
 184 30.8 23.7 35.5
 145 31.8 24.2 36.4

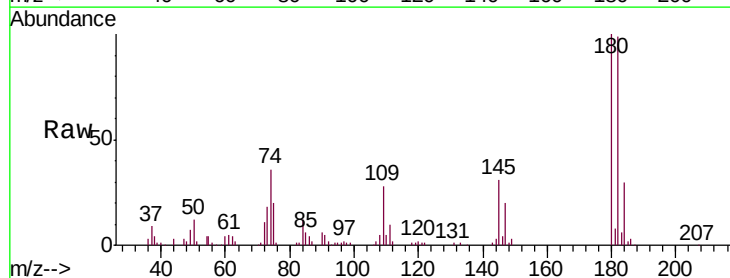


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

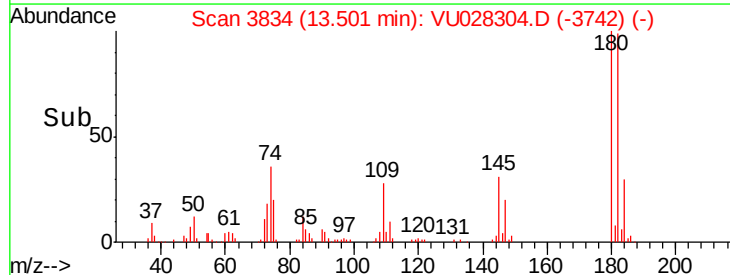
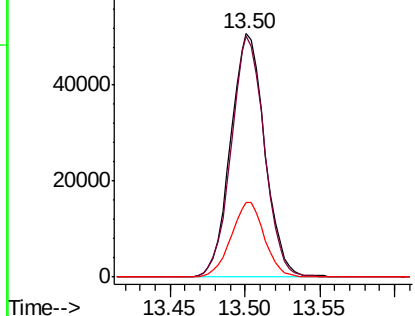


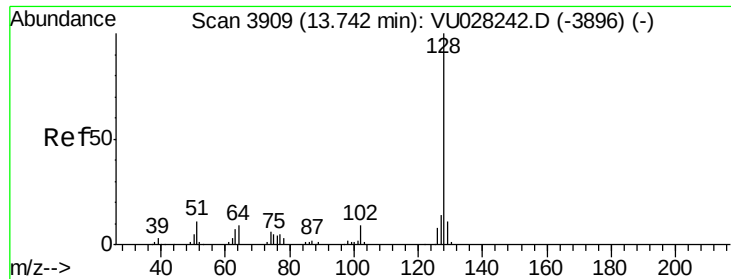
#68
 1,2,4-trichlorobenzene
 Concen: 5.446 ug/L
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028304.D
 Acq: 21 Nov 2018 08:56

Tgt Ion:180 Resp: 80629
 Ion Ratio Lower Upper
 180 100
 182 96.1 75.4 113.2
 145 30.0 24.5 36.7



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





#69

Naphthalene

Concen: 5.712 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. 0.00 min

Lab File: VU028304.D

Acq: 21 Nov 2018 08:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD00526

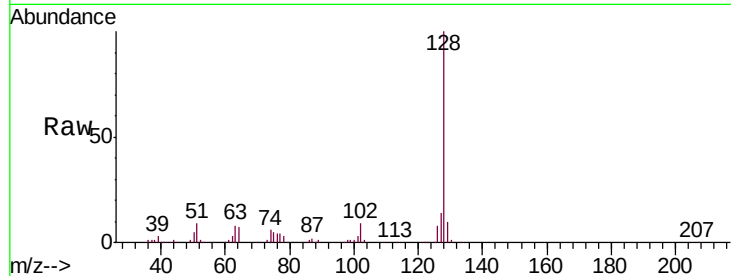
Tgt Ion:128 Resp: 150277

Ion Ratio Lower Upper

128 100

129 10.3 8.6 12.8

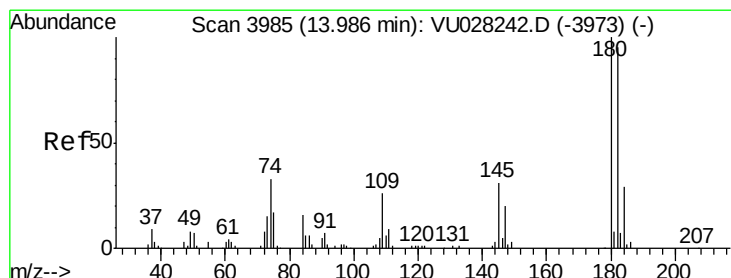
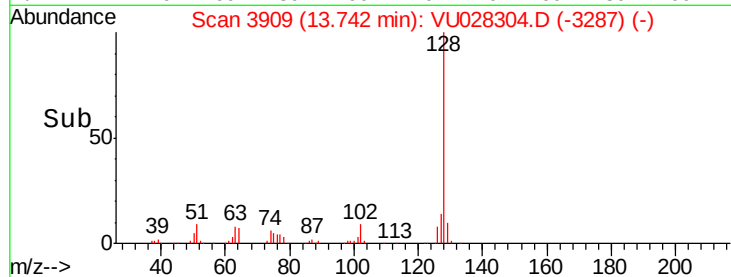
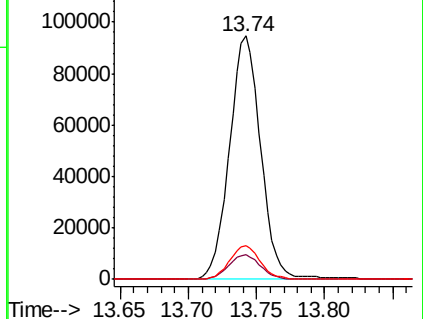
127 13.6 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.236 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU028304.D

Acq: 21 Nov 2018 08:56

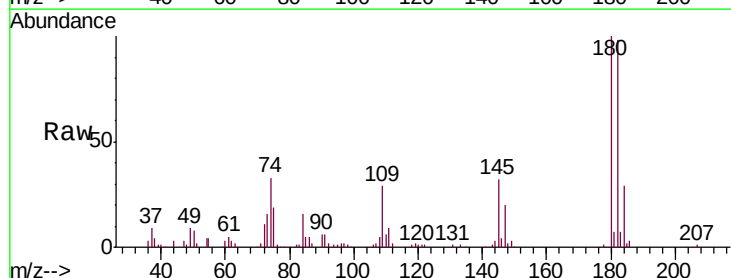
Tgt Ion:180 Resp: 73425

Ion Ratio Lower Upper

180 100

182 97.8 77.0 115.4

145 32.4 25.7 38.5



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

