

Data File : VU027816.D
Acq On : 25 Oct 2018 23:07
Operator : MD/SY
Sample : VSTDCCC050EC
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05032

Quant Time: Oct 26 02:31:39 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 26 02:27:34 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	88513	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	85193	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	42868	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	30037	43.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.22%
7) Chloroethane-d5	1.68	69	23503	44.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.66%
11) 1,1-Dichloroethene-d2	2.28	63	60035	48.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.80%
21) 2-Butanone-d5	4.18	46	58111	99.01	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.01%
24) Chloroform-d	4.65	84	61626	49.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.56%
26) 1,2-Dichloroethane-d4	5.31	65	43621	50.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.76%
32) Benzene-d6	5.34	84	110422	45.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.02%
36) 1,2-Dichloropropane-d6	6.33	67	40933	47.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.52%
41) Toluene-d8	7.57	98	105047	46.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.88%
43) trans-1,3-Dichloropropene-	7.85	79	19797	47.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.12%
47) 2-Hexanone-d5	8.31	63	42967	96.93	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.93%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	53956	48.24	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.48%
64) 1,2-Dichlorobenzene-d4	11.86	152	40626	46.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.54%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	39173	54.457 ug/L	99
3) Chloromethane	1.33	50	40879	48.512 ug/L	100
5) Vinyl chloride	1.40	62	40693	50.910 ug/L	98
6) Bromomethane	1.63	94	16368	40.612 ug/L	100
8) Chloroethane	1.70	64	22019	51.039 ug/L	99
9) Trichlorofluoromethane	1.89	101	53372	55.418 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	27031	51.255 ug/L	97
12) 1,1-Dichloroethene	2.29	96	25238	51.171 ug/L	96
13) Acetone	2.32	43	37894	92.693 ug/L	97
14) Carbon disulfide	2.48	76	83015	48.339 ug/L	99
15) Methyl Acetate	2.62	43	42890	49.853 ug/L	100
16) Methylene chloride	2.70	84	30502	50.065 ug/L	92
17) trans-1,2-Dichloroethene	2.99	96	27472	50.354 ug/L	97
18) Methyl tert-butyl Ether	3.00	73	105857	51.910 ug/L	99
19) 1,1-Dichloroethane	3.45	63	61686	52.102 ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	32221	49.922 ug/L	100
22) 2-Butanone	4.26	43	59993	98.624 ug/L	98

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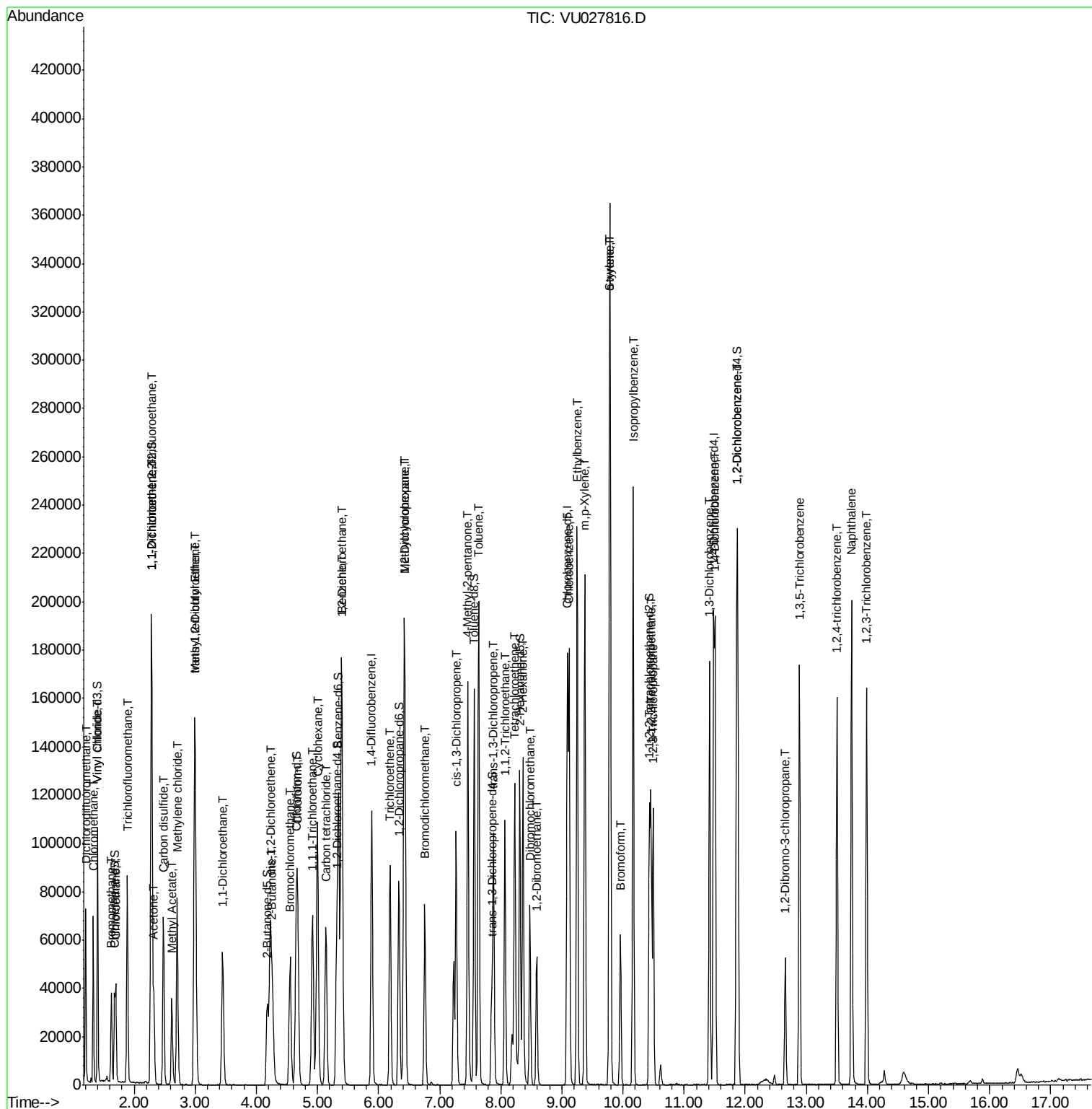
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	15794	52.406	ug/L	95
25) Chloroform	4.68	83	62740	54.607	ug/L	98
27) 1,2-Dichloroethane	5.41	62	56006	56.169	ug/L	99
29) Cyclohexane	5.00	56	60795	49.786	ug/L	97
30) 1,1,1-Trichloroethane	4.92	97	54913	53.177	ug/L	99
31) Carbon tetrachloride	5.14	117	47324	50.926	ug/L	98
33) Benzene	5.39	78	129384	51.051	ug/L	100
34) Trichloroethene	6.19	95	32114	50.615	ug/L	98
35) Methylcyclohexane	6.42	83	53382	48.649	ug/L	97
37) 1,2-Dichloropropane	6.43	63	37966	50.701	ug/L	100
38) Bromodichloromethane	6.76	83	48755	52.394	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	58979	51.152	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	121834	101.234	ug/L	99
42) Toluene	7.64	91	139203	52.447	ug/L	97
44) trans-1,3-Dichloropropene	7.88	75	55498	50.883	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	32037	51.795	ug/L	97
46) Tetrachloroethene	8.23	164	24989	51.000	ug/L	96
48) 2-Hexanone	8.36	43	93388	100.059	ug/L	99
49) Dibromochloromethane	8.48	129	36516	49.823	ug/L	100
50) 1,2-Dibromoethane	8.59	107	34355	52.039	ug/L	98
51) Chlorobenzene	9.12	112	83330	51.210	ug/L	97
52) Ethylbenzene	9.25	91	156417	52.099	ug/L	99
53) m,p-Xylene	9.38	106	54844	50.567	ug/L	95
54) o-xylene	9.78	106	55241	51.096	ug/L	97
55) Styrene	9.79	104	94877	51.557	ug/L	99
56) Isopropylbenzene	10.17	105	151569	52.937	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	55728	50.666	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	45939	51.910	ug/L	98
61) Bromoform	9.96	173	27226	47.644	ug/L	100
62) 1,3-Dichlorobenzene	11.42	146	64324	50.041	ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	66514	50.747	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	65983	49.907	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	13350	48.460	ug/L	98
67) 1,3,5-Trichlorobenzene	12.89	180	51434	51.736	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	47258	53.545	ug/L	99
69) Naphthalene	13.74	128	148693	52.162	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	48249	52.307	ug/L	98

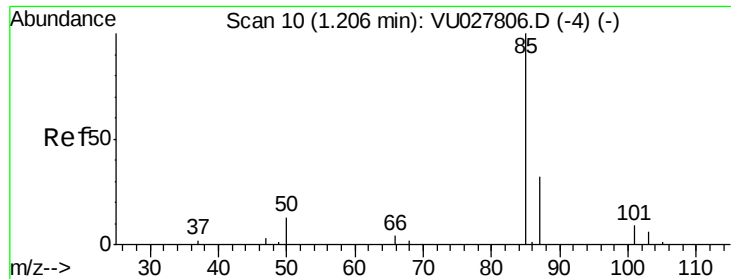
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 54.457 ug/L

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU027816.D

Acq: 25 Oct 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

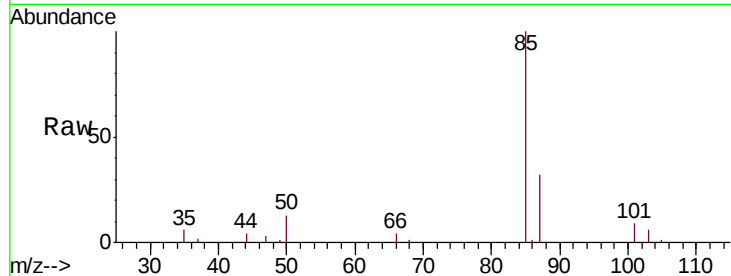
VSTD05032

Tgt Ion: 85 Resp: 39173

Ion Ratio Lower Upper

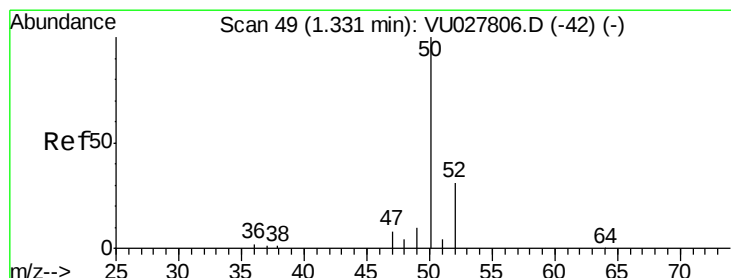
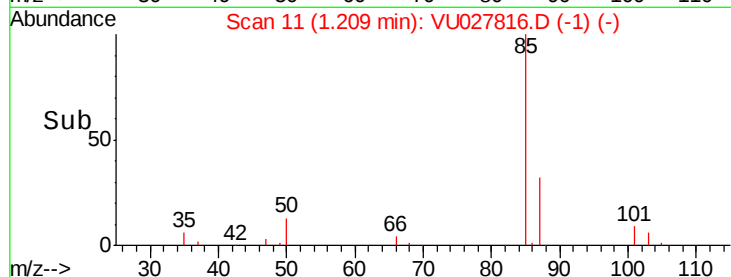
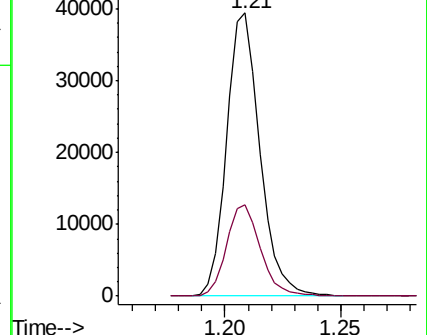
85 100

87 32.9 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VU027806.D (-4) (-)

Ion 87.00 (86.70 to 87.70): VU027806.D (-4) (-)



#3

Chloromethane

Concen: 48.512 ug/L

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027816.D

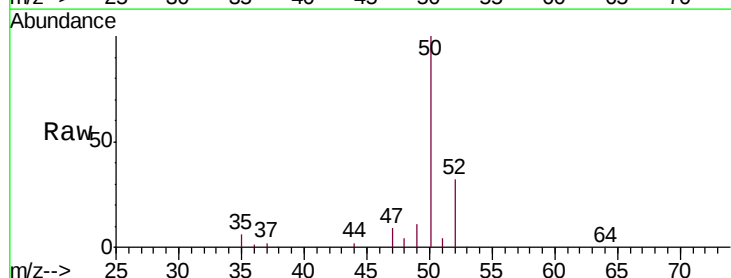
Acq: 25 Oct 2018 23:07

Tgt Ion: 50 Resp: 40879

Ion Ratio Lower Upper

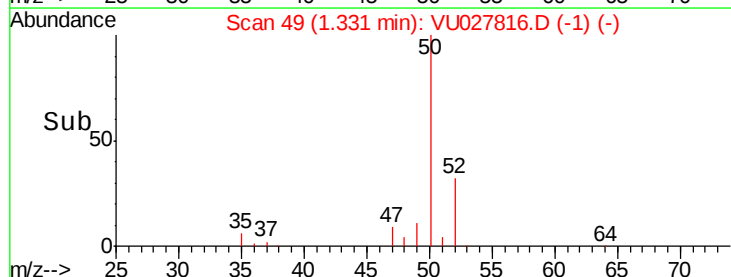
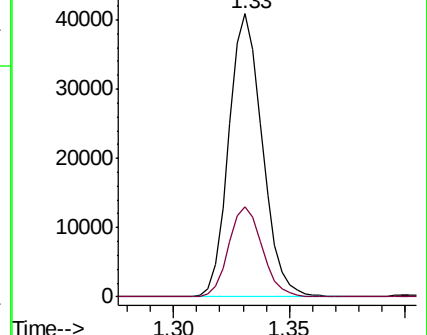
50 100

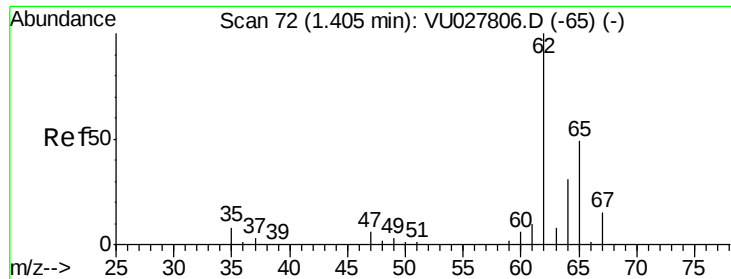
52 32.0 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VU027806.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VU027806.D (-42) (-)





#5

Vinyl chloride

Concen: 50.910 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU027816.D

Acq: 25 Oct 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

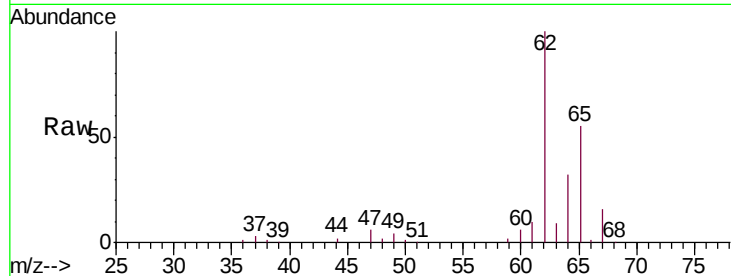
VSTD05032

Tgt Ion: 62 Resp: 40693

Ion Ratio Lower Upper

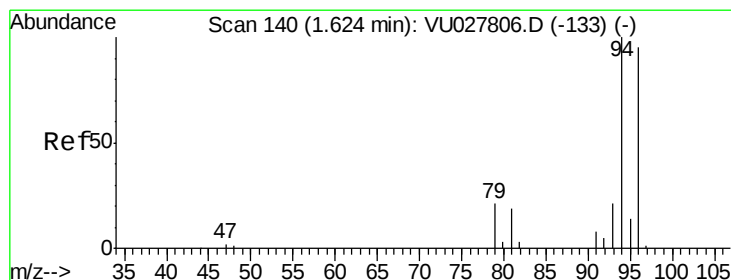
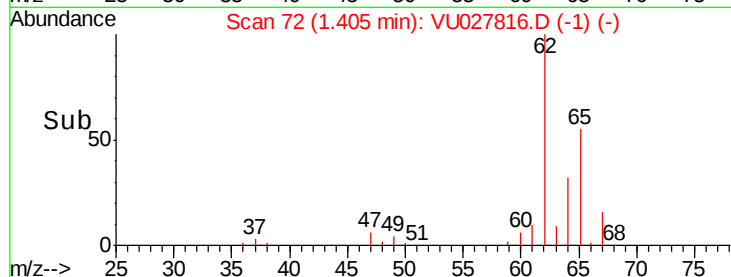
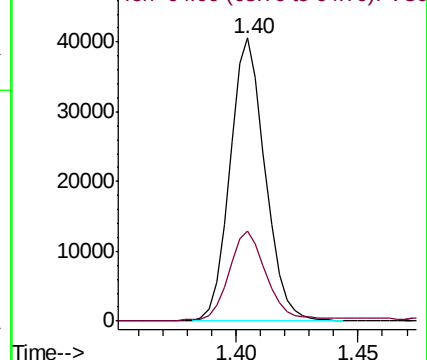
62 100

64 31.6 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 40.612 ug/L

RT: 1.63 min Scan# 141

Delta R.T. 0.00 min

Lab File: VU027816.D

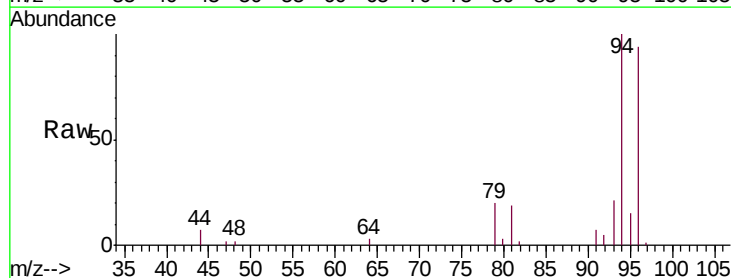
Acq: 25 Oct 2018 23:07

Tgt Ion: 94 Resp: 16368

Ion Ratio Lower Upper

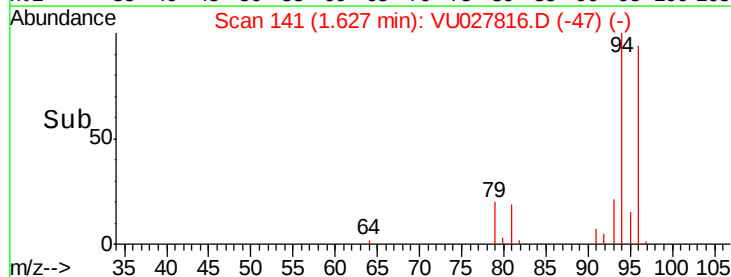
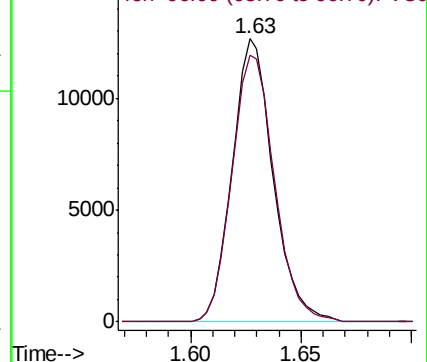
94 100

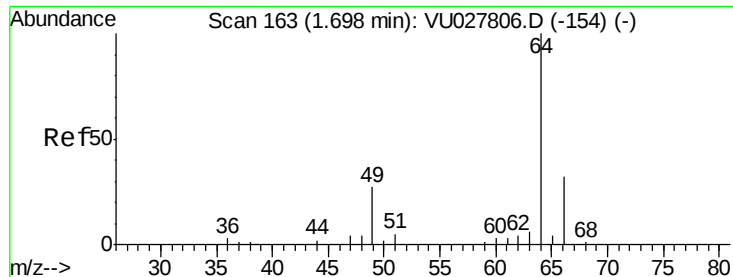
96 94.3 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 51.039 ug/L

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU027816.D

Acq: 25 Oct 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

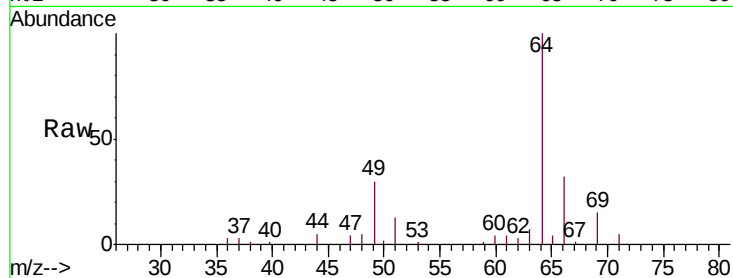
VSTD05032

Tgt Ion: 64 Resp: 22019

Ion Ratio Lower Upper

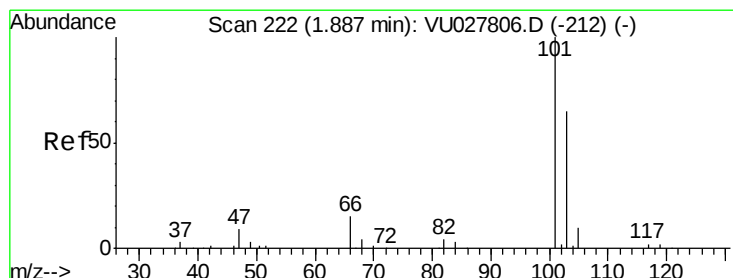
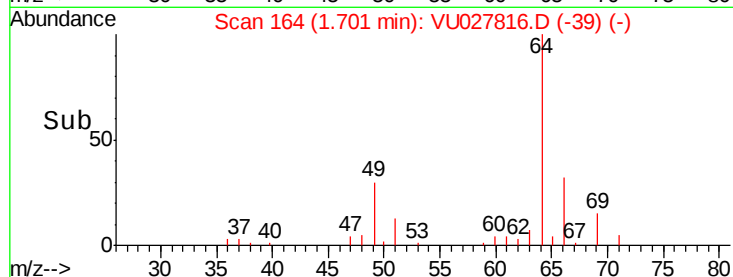
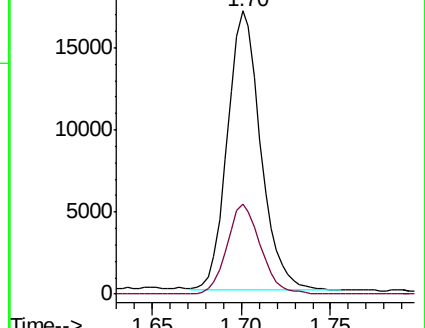
64 100

66 31.8 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VU027806.D (-154) (-)

Ion 66.00 (65.70 to 66.70): VU027806.D (-154) (-)



#9

Trichlorofluoromethane

Concen: 55.418 ug/L

RT: 1.89 min Scan# 222

Delta R.T. -0.00 min

Lab File: VU027816.D

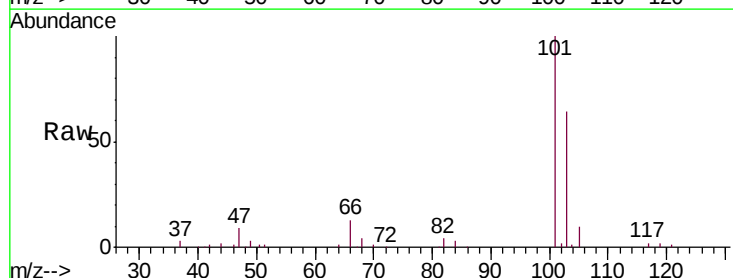
Acq: 25 Oct 2018 23:07

Tgt Ion: 101 Resp: 53372

Ion Ratio Lower Upper

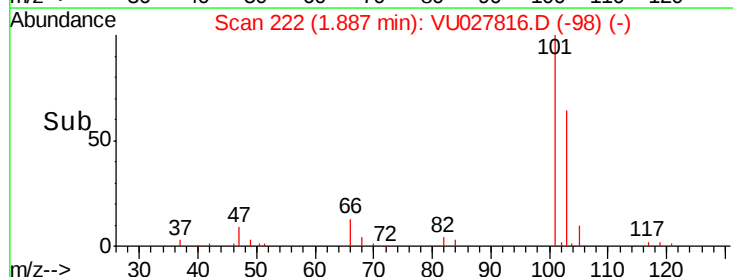
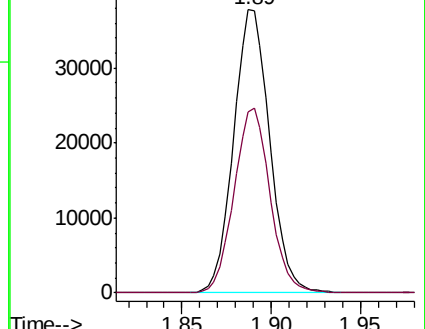
101 100

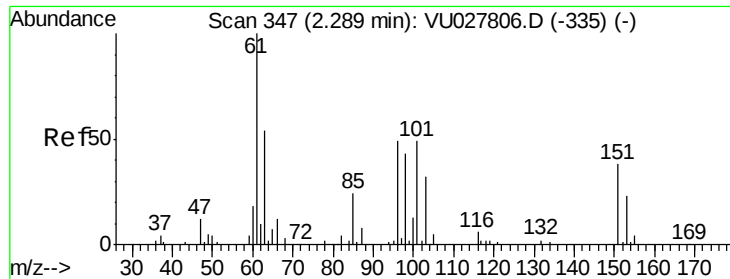
103 64.8 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU027806.D (-212) (-)

Ion 103.00 (102.70 to 103.70): VU027806.D (-212) (-)





#10

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

Concen: 51.255 ug/L

RT: 2.29 min Scan# 347

Delta R.T. -0.00 min

Lab File: VU027816.D

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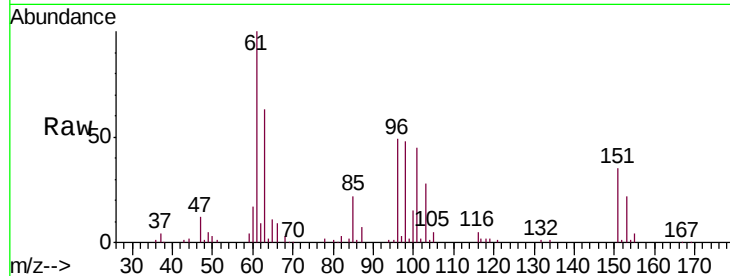
Tgt Ion: 101 Resp: 27031

Ion Ratio Lower Upper

101 100

85 48.3 36.7 55.1

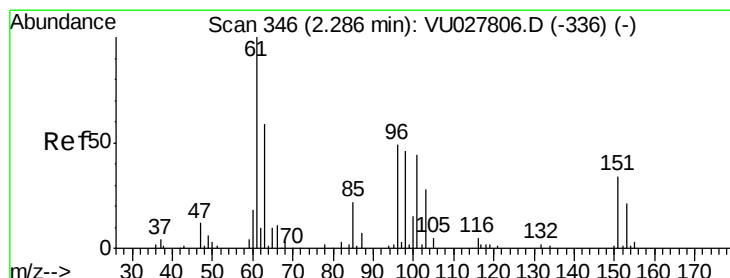
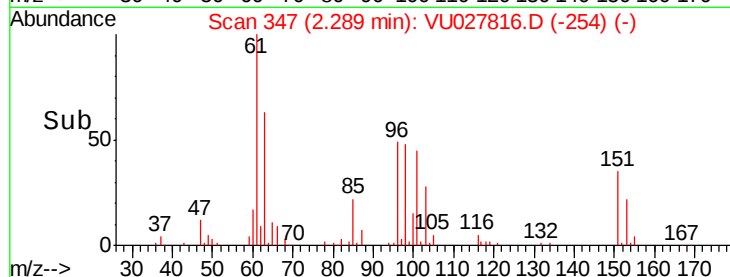
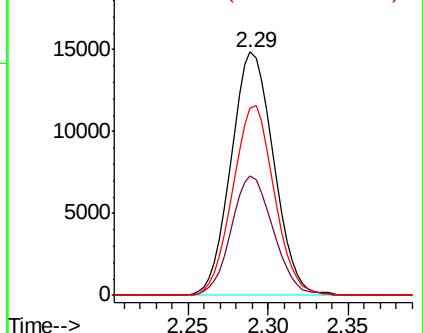
151 75.8 62.0 93.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 51.171 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027816.D

Acq: 25 Oct 2018 23:07

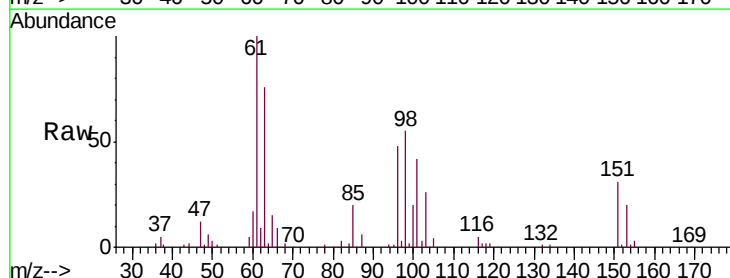
Tgt Ion: 96 Resp: 25238

Ion Ratio Lower Upper

96 100

61 207.9 137.3 255.1

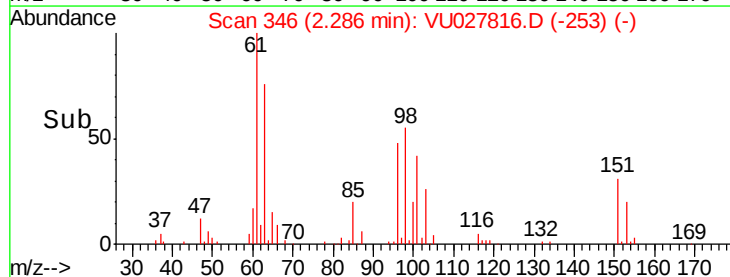
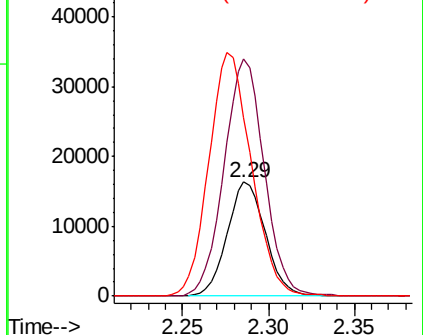
63 157.1 109.8 204.0

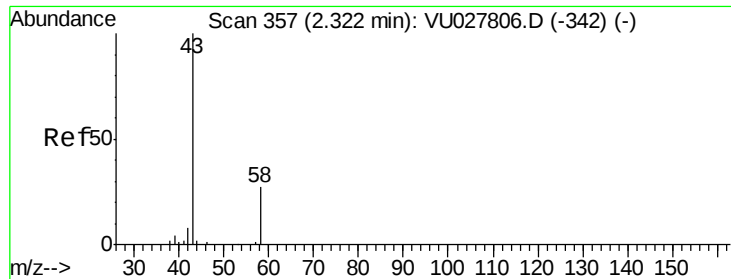


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 92.693 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027816.D

Acq: 25 Oct 2018 23:07

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MSVOA_U

ClientSampleId :

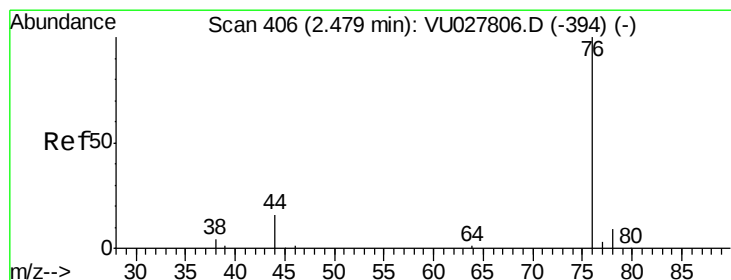
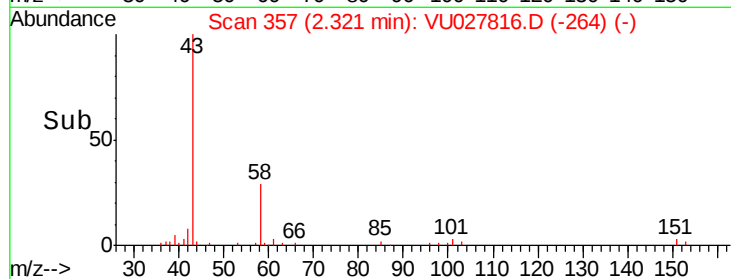
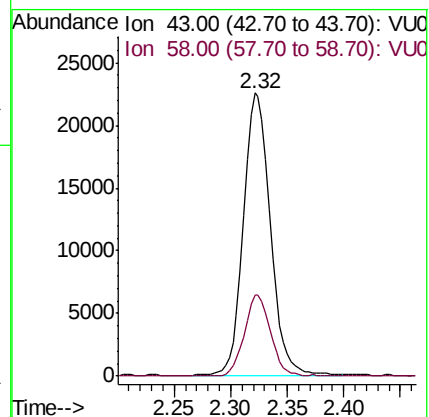
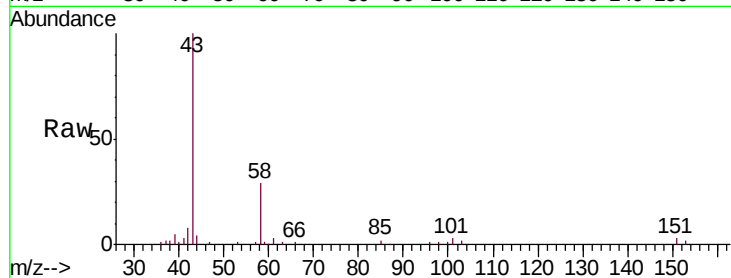
VSTD05032

Tgt Ion: 43 Resp: 37894

Ion Ratio Lower Upper

43 100

58 27.3 0.0 57.4



#14

Carbon disulfide

Concen: 48.339 ug/L

RT: 2.48 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU027816.D

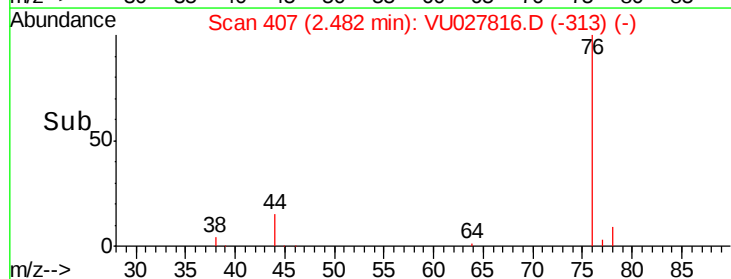
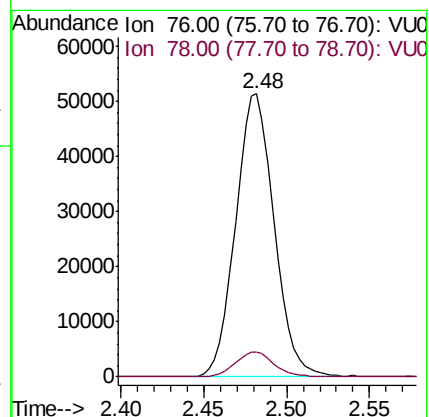
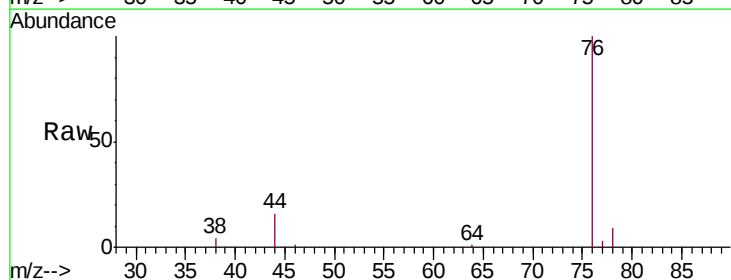
Acq: 25 Oct 2018 23:07

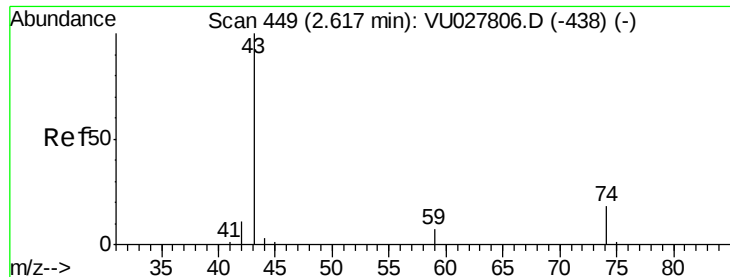
Tgt Ion: 76 Resp: 83015

Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3

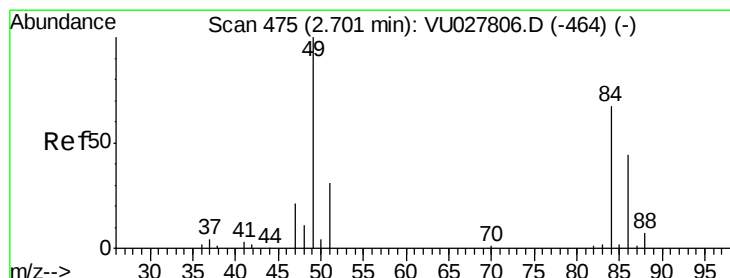
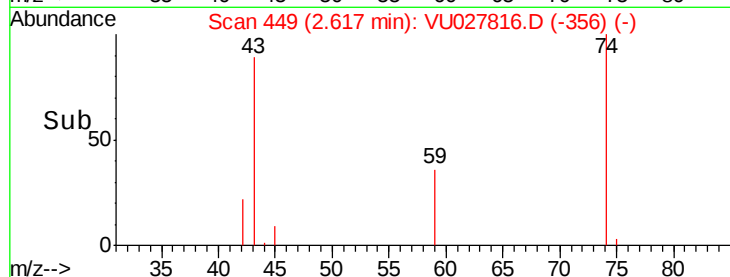
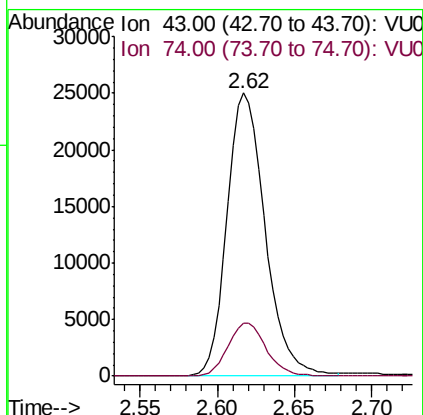
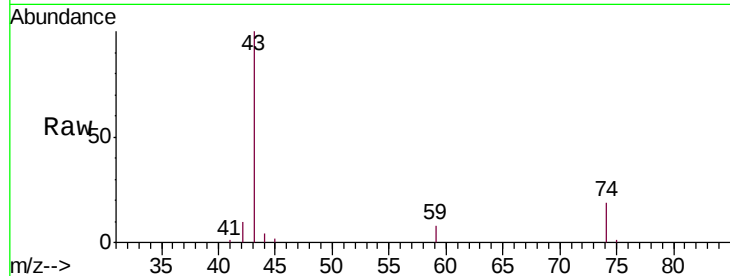




#15
Methyl Acetate
Concen: 49.853 ug/L
RT: 2.62 min Scan# 449
Delta R.T. -0.00 min
Lab File: VU027816.D
Acq: 25 Oct 2018 23:07

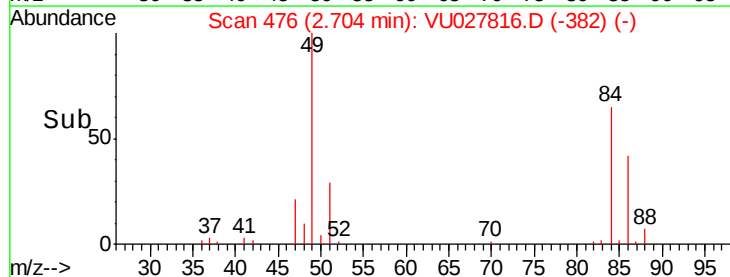
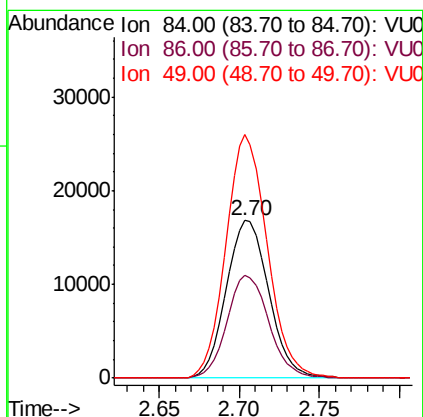
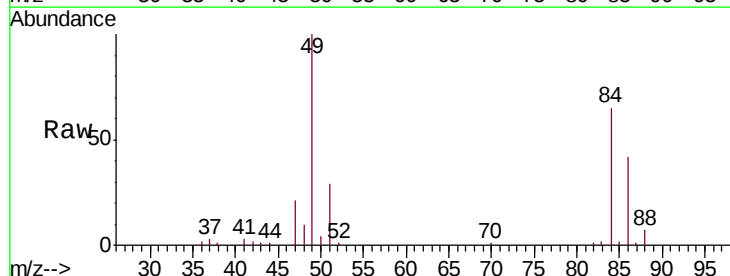
Instrument :
MSVOA_U
ClientSampled :
VSTD05032

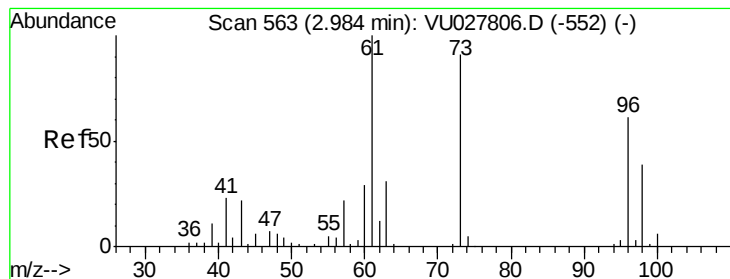
Tgt Ion: 43 Resp: 42890
Ion Ratio Lower Upper
43 100
74 18.7 15.1 22.7



#16
Methylene chloride
Concen: 50.065 ug/L
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027816.D
Acq: 25 Oct 2018 23:07

Tgt Ion: 84 Resp: 30502
Ion Ratio Lower Upper
84 100
86 64.9 42.8 79.6
49 154.4 100.0 185.6





#17

trans-1,2-Dichloroethene

Concen: 50.354 ug/L

RT: 2.99 min Scan# 564

Delta R.T. 0.00 min

Lab File: VU027816.D

Acq: 25 Oct 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

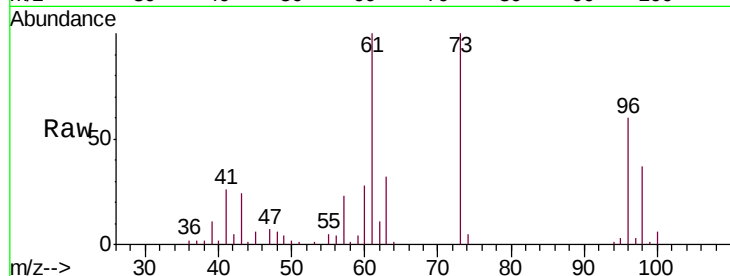
Tgt Ion: 96 Resp: 27472

Ion Ratio Lower Upper

96 100

61 167.9 114.7 212.9

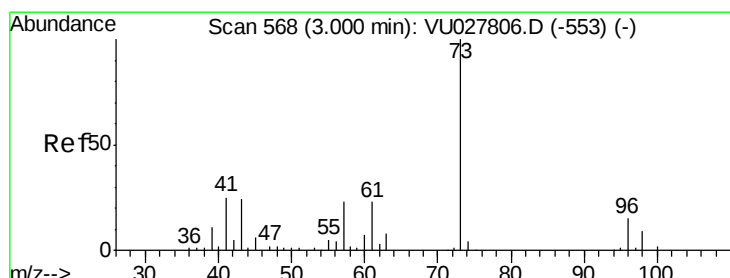
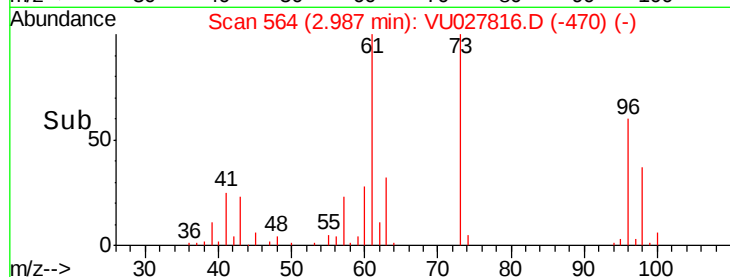
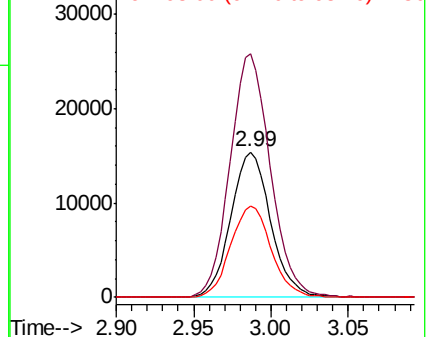
98 62.9 42.2 78.4



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 51.910 ug/L

RT: 3.00 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU027816.D

Acq: 25 Oct 2018 23:07

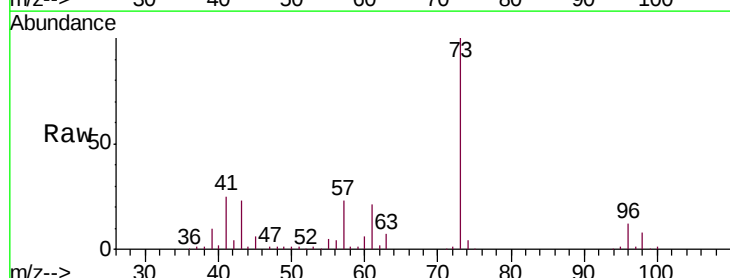
Tgt Ion: 73 Resp: 105857

Ion Ratio Lower Upper

73 100

43 23.8 18.3 27.5

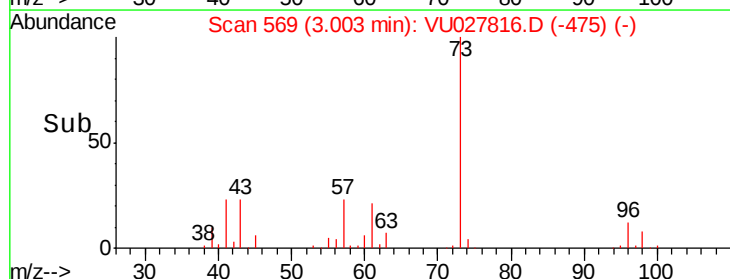
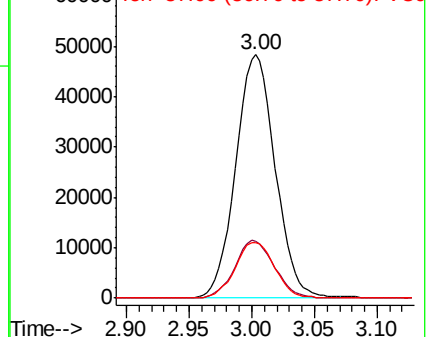
57 23.1 18.6 28.0

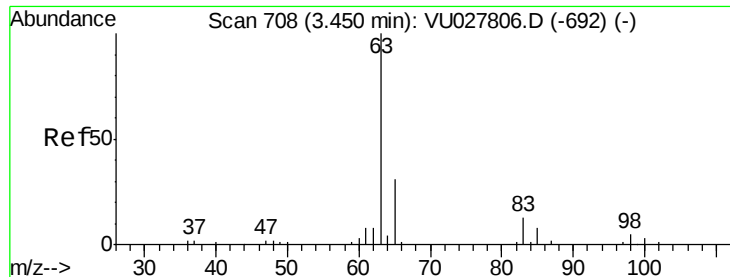


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

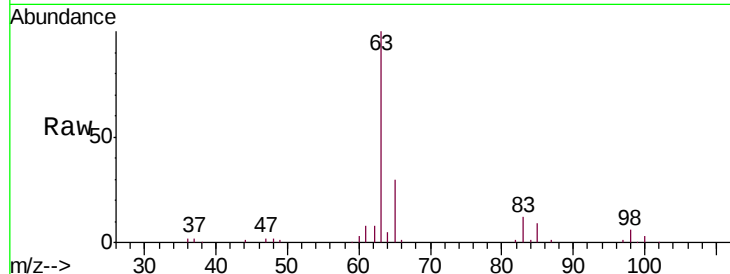




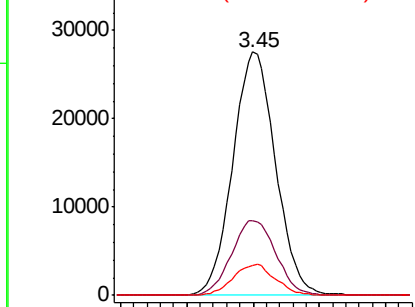
#19
 1,1-Dichloroethane
 Concen: 52.102 ug/L
 RT: 3.45 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: VU027816.D
 Acq: 25 Oct 2018 23:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

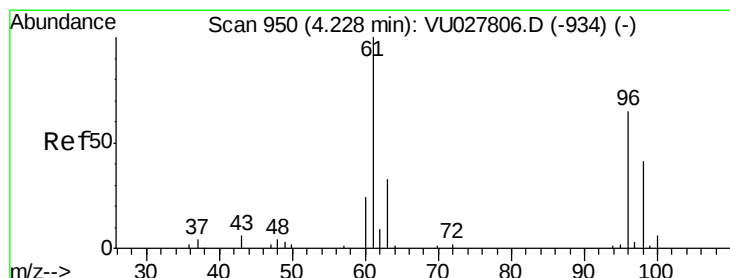
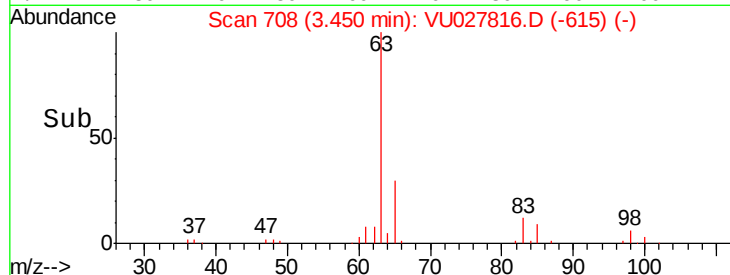
Tgt Ion: 63 Resp: 61686
 Ion Ratio Lower Upper
 63 100
 65 30.4 22.2 41.2
 83 12.2 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

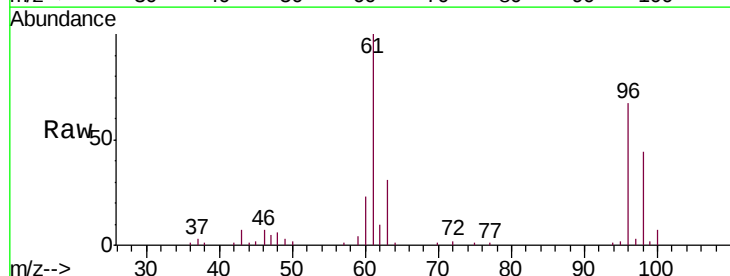


Time--> 3.35 3.40 3.45 3.50 3.55

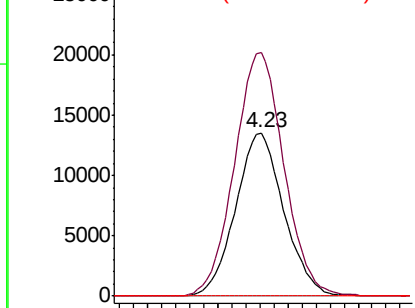


#20
 cis-1,2-Dichloroethene
 Concen: 49.922 ug/L
 RT: 4.23 min Scan# 951
 Delta R.T. 0.00 min
 Lab File: VU027816.D
 Acq: 25 Oct 2018 23:07

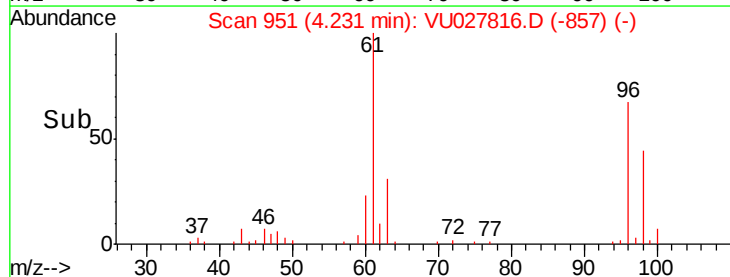
Tgt Ion: 96 Resp: 32221
 Ion Ratio Lower Upper
 96 100
 61 149.3 104.2 193.4
 68 0.0 0.0 0.0

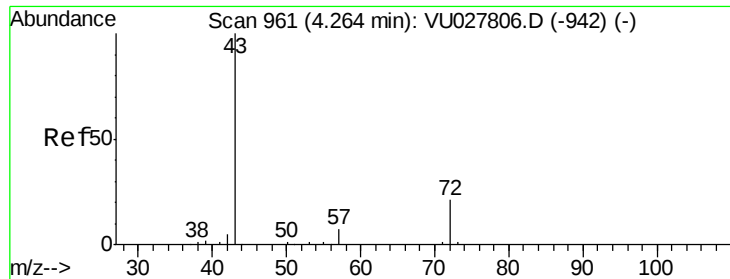


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0



Time--> 4.15 4.20 4.25 4.30





#22

2-Butanone

Concen: 98.624 ug/L

RT: 4.26 min Scan# 961

Delta R.T. -0.00 min

Lab File: VU027816.D

Acq: 25 Oct 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

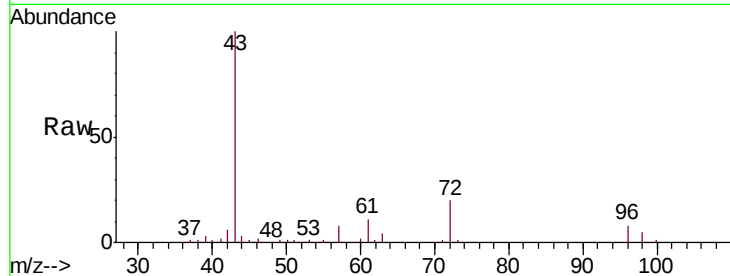
VSTD05032

Tgt Ion: 43 Resp: 59993

Ion Ratio Lower Upper

43 100

72 21.5 11.2 33.5



Abundance Ion 43.00 (42.70 to 43.70): VU027816.D (-968) (-)

Ion 72.00 (71.70 to 72.70): VU027816.D (-968) (-)

4.26

25000

20000

15000

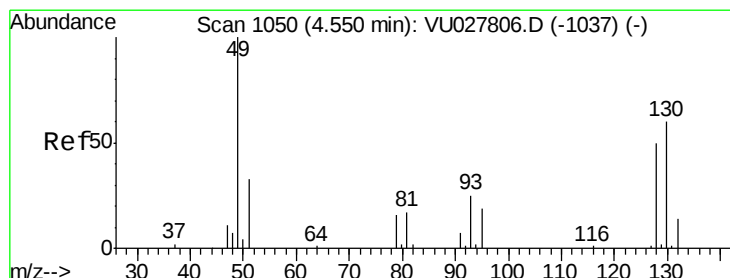
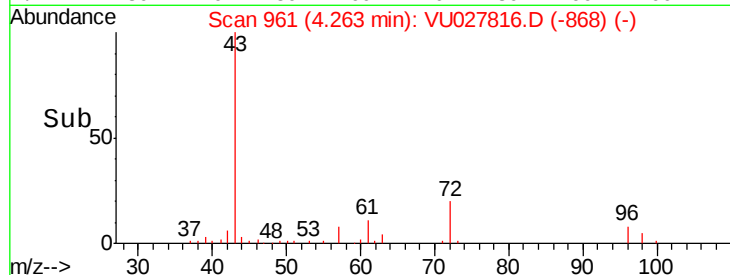
10000

5000

0

4.20 4.30 4.40

Time-->



#23

Bromochloromethane

Concen: 52.406 ug/L

RT: 4.55 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU027816.D

Acq: 25 Oct 2018 23:07

Tgt Ion: 128 Resp: 15794

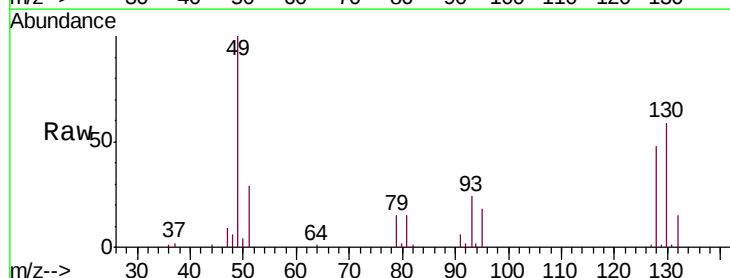
Ion Ratio Lower Upper

128 100

49 208.4 136.2 253.0

130 123.6 86.0 159.6

51 60.5 48.8 73.2



Abundance Ion 128.00 (127.70 to 128.70): VU027816.D (-957) (-)

Ion 49.00 (48.70 to 49.70): VU027816.D (-957) (-)

Ion 130.00 (129.70 to 130.70): VU027816.D (-957) (-)

Ion 51.00 (50.70 to 51.70): VU027816.D (-957) (-)

4.55

20000

15000

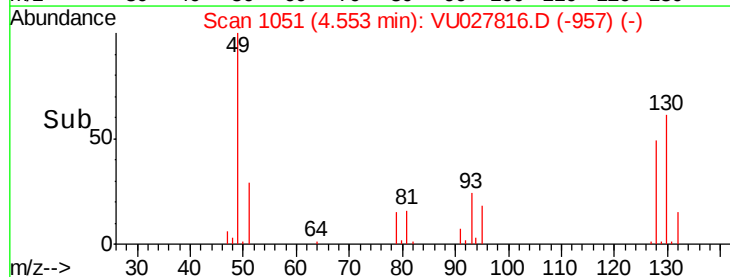
10000

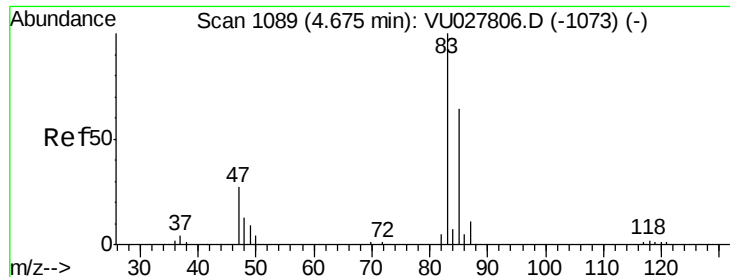
5000

0

4.50 4.55 4.60

Time-->

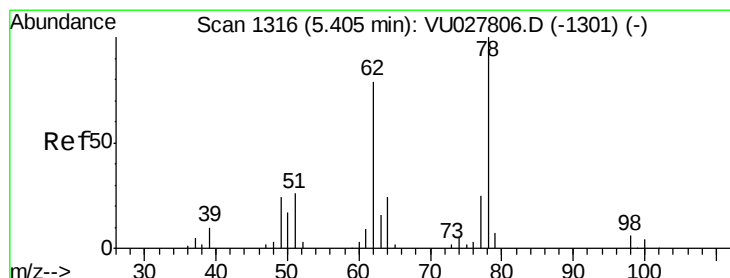
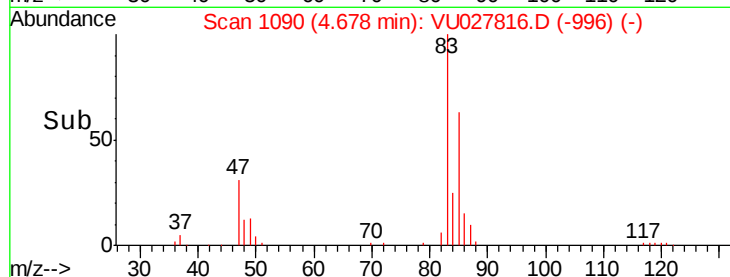
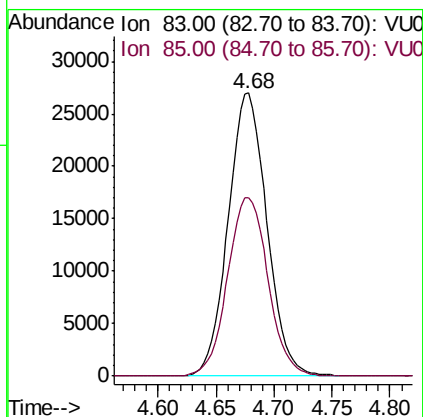
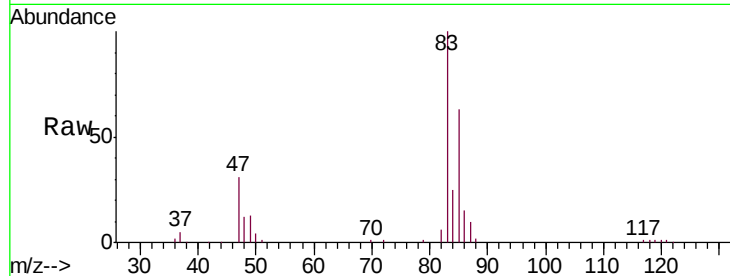




#25
Chloroform
Concen: 54.607 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU027816.D
Acq: 25 Oct 2018 23:07

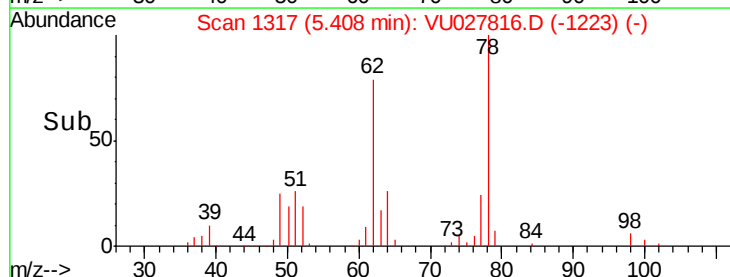
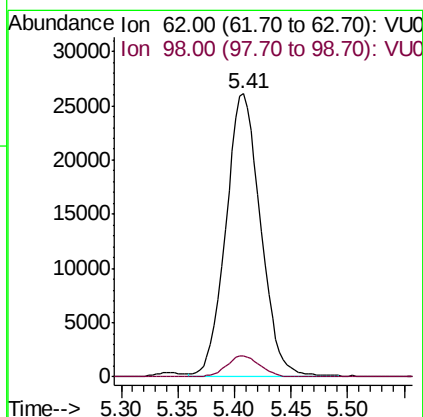
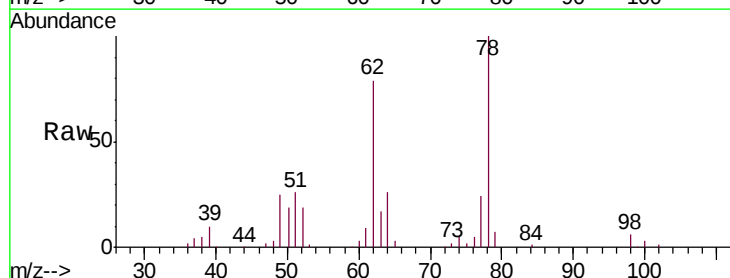
Instrument :
MSVOA_U
ClientSampleId :
VSTD05032

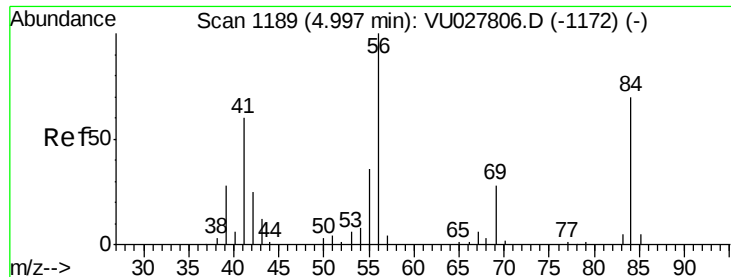
Tgt Ion: 83 Resp: 62740
Ion Ratio Lower Upper
83 100
85 63.2 45.4 84.4



#27
1,2-Dichloroethane
Concen: 56.169 ug/L
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU027816.D
Acq: 25 Oct 2018 23:07

Tgt Ion: 62 Resp: 56006
Ion Ratio Lower Upper
62 100
98 7.4 6.3 9.5

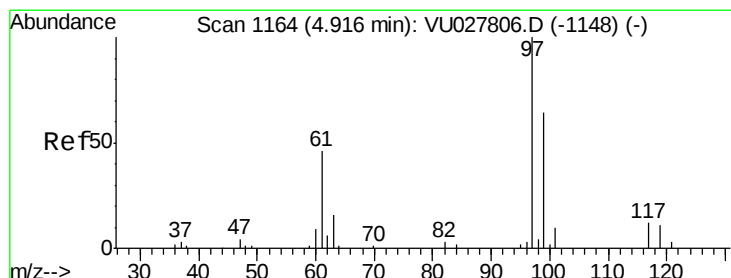
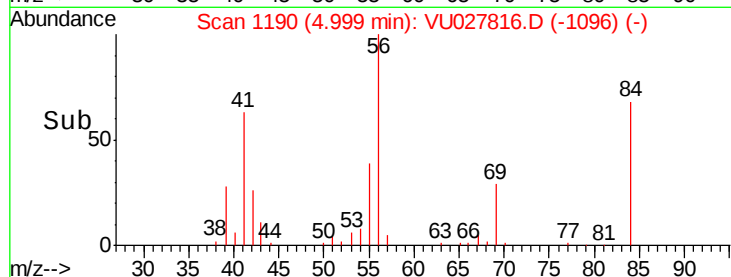
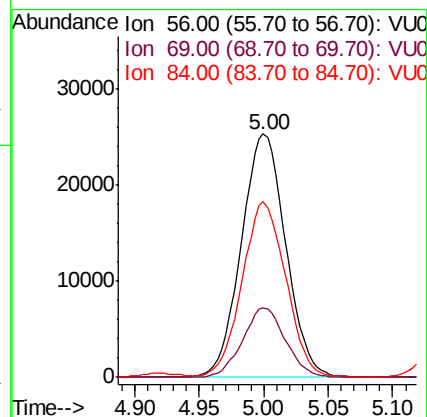
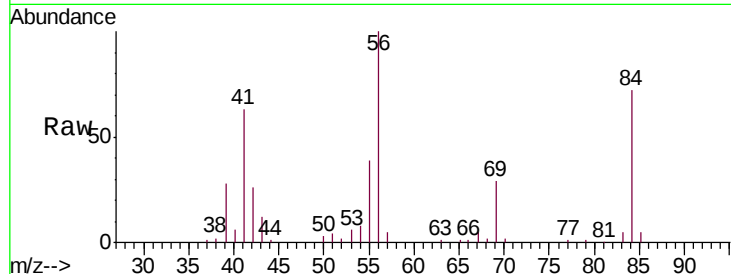




#29
Cyclohexane
Concen: 49.786 ug/L
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU027816.D
Acq: 25 Oct 2018 23:07

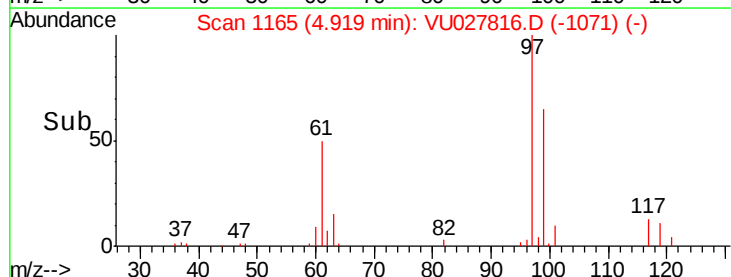
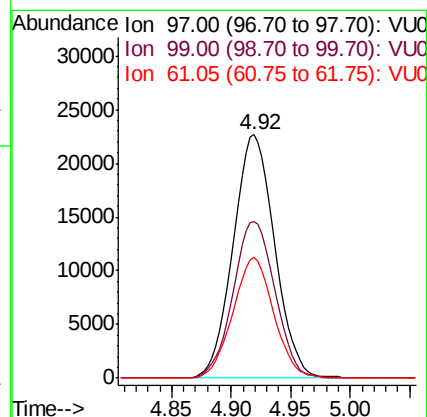
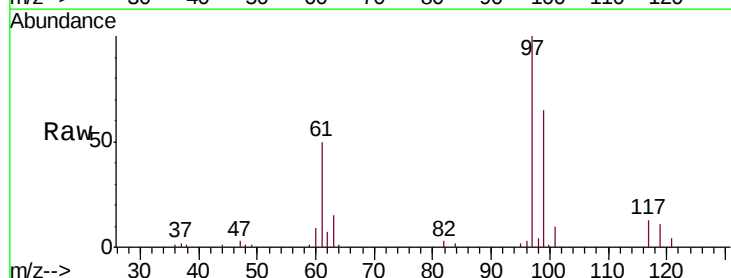
Instrument :
MSVOA_U
ClientSampleId :
VSTD05032

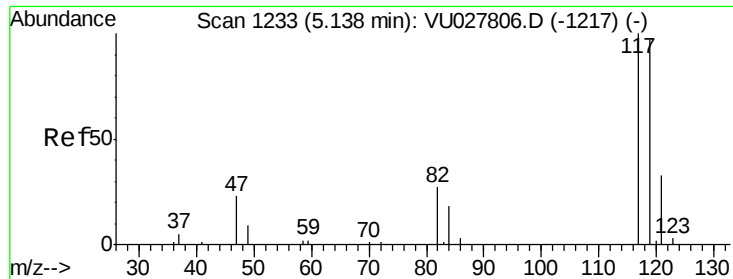
Tgt Ion: 56 Resp: 60795
Ion Ratio Lower Upper
56 100
69 27.3 22.5 33.7
84 70.4 58.5 87.7



#30
1,1,1-Trichloroethane
Concen: 53.177 ug/L
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU027816.D
Acq: 25 Oct 2018 23:07

Tgt Ion: 97 Resp: 54913
Ion Ratio Lower Upper
97 100
99 64.8 51.7 77.5
61 48.6 37.5 56.3

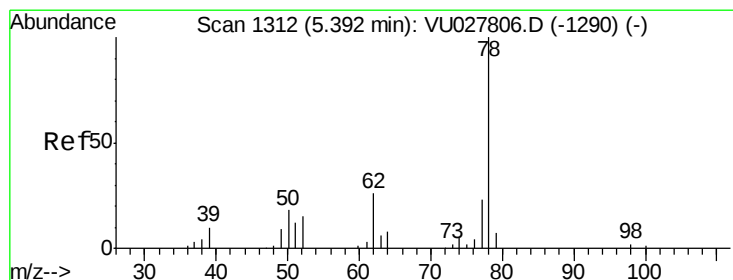
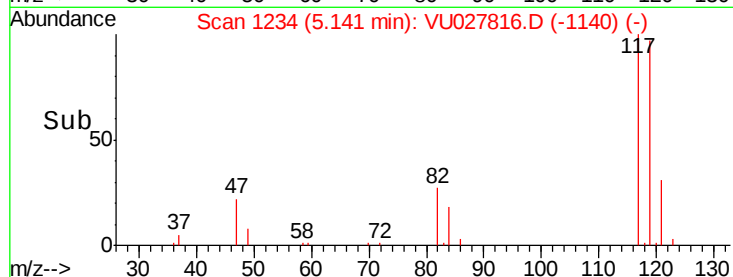
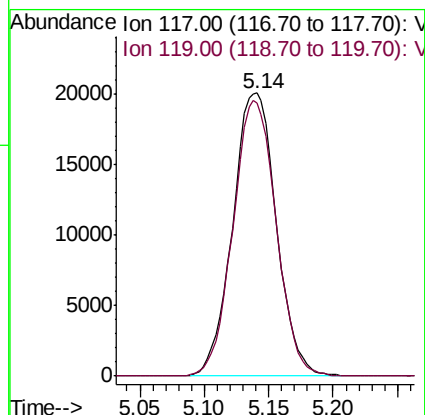
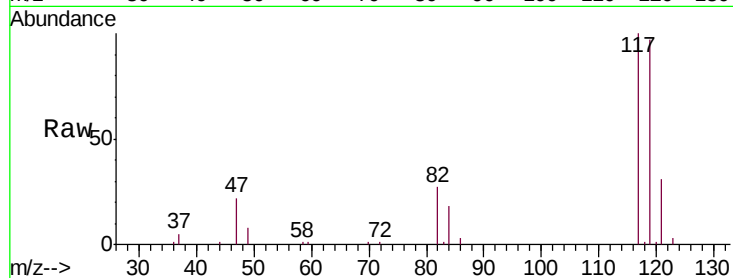




#31
Carbon tetrachloride
Concen: 50.926 ug/L
RT: 5.14 min Scan# 1234
Delta R.T. 0.00 min
Lab File: VU027816.D
Acq: 25 Oct 2018 23:07

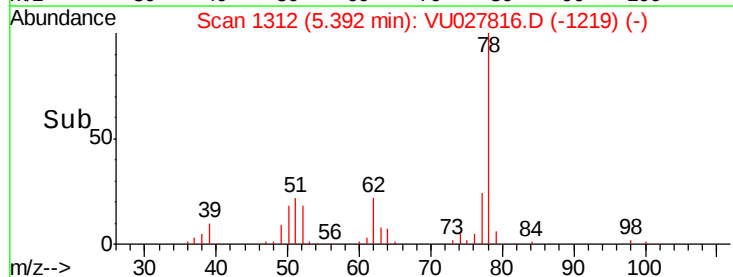
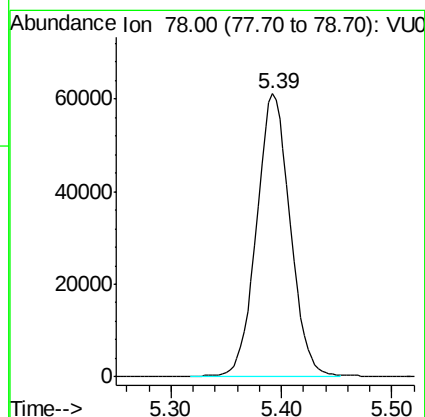
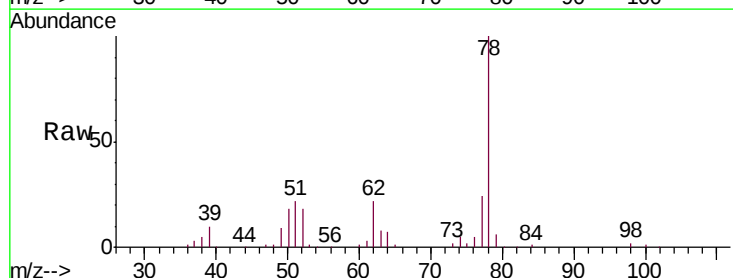
Instrument :
MSVOA_U
ClientSampleId :
VSTD05032

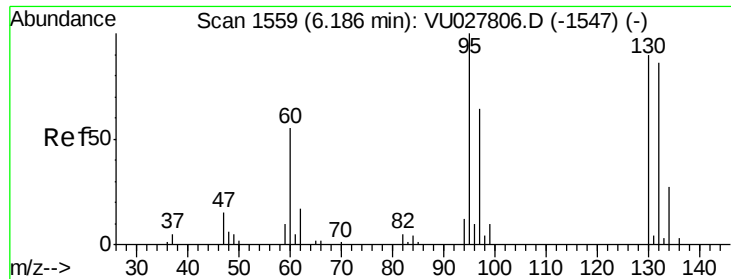
Tgt Ion:117 Resp: 47324
Ion Ratio Lower Upper
117 100
119 96.2 75.6 113.4



#33
Benzene
Concen: 51.051 ug/L
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU027816.D
Acq: 25 Oct 2018 23:07

Tgt Ion: 78 Resp: 129384





#34

Trichloroethene

Concen: 50.615 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027816.D

Acq: 25 Oct 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

Tgt Ion: 95 Resp: 32114

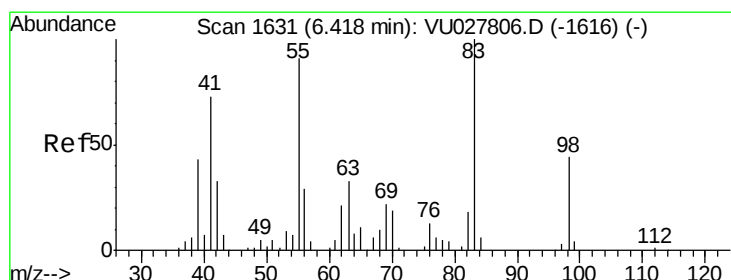
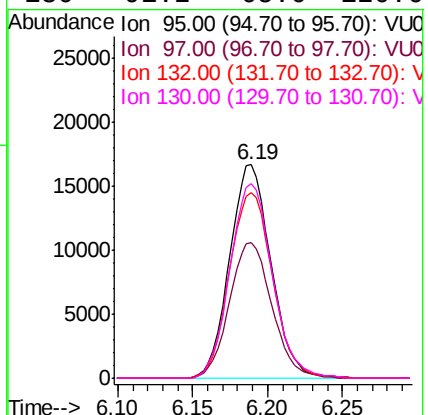
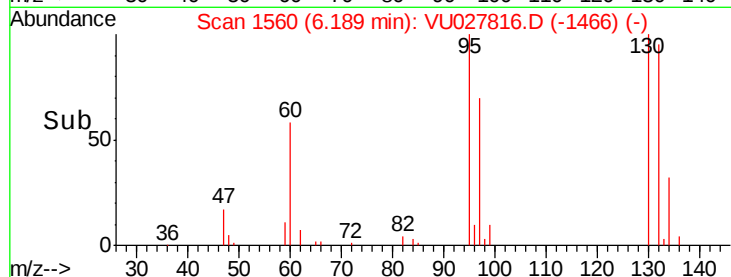
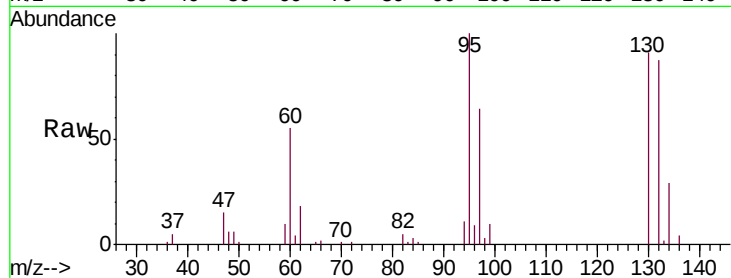
Ion Ratio Lower Upper

95 100

97 63.6 45.8 85.2

132 86.9 62.1 115.3

130 91.2 65.0 120.6



#35

Methylcyclohexane

Concen: 48.649 ug/L

RT: 6.42 min Scan# 1631

Delta R.T. -0.00 min

Lab File: VU027816.D

Acq: 25 Oct 2018 23:07

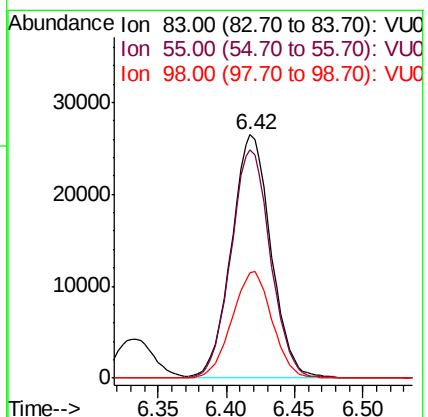
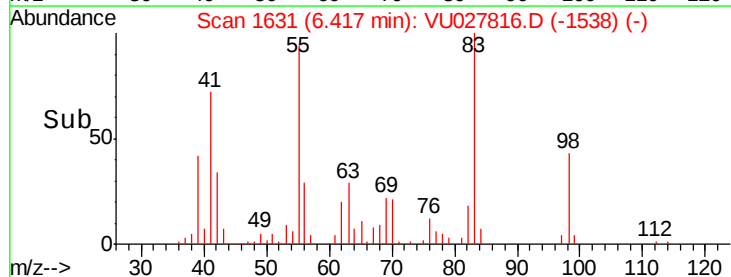
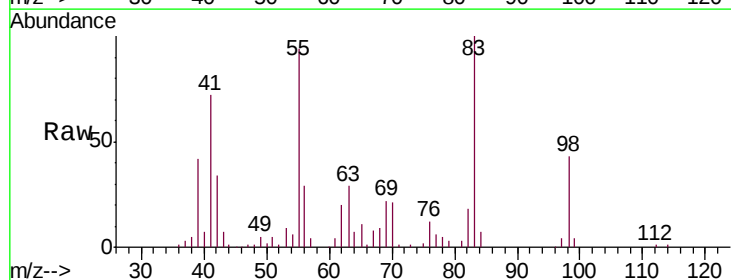
Tgt Ion: 83 Resp: 53382

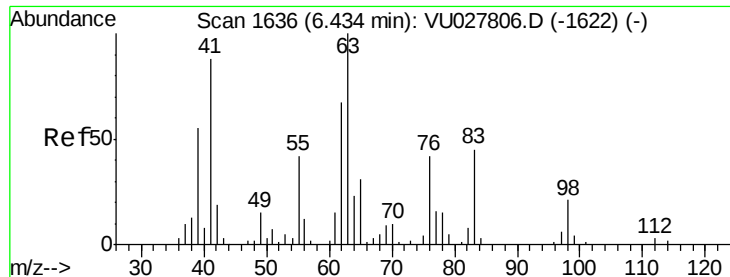
Ion Ratio Lower Upper

83 100

55 93.6 71.9 107.9

98 44.3 34.6 52.0





#37

1,2-Dichloropropane

Concen: 50.701 ug/L

RT: 6.43 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VU027816.D

Acq: 25 Oct 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

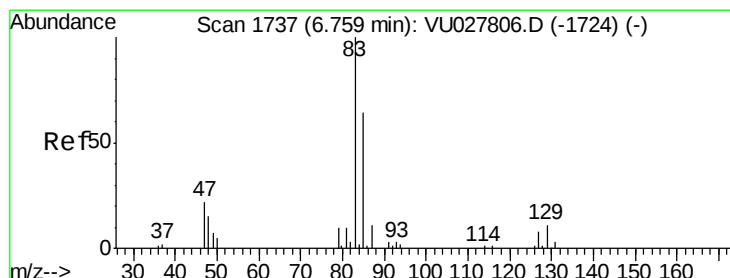
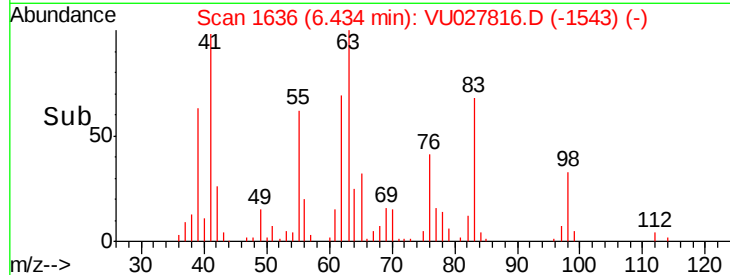
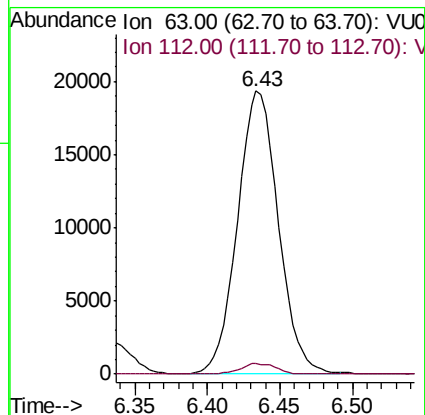
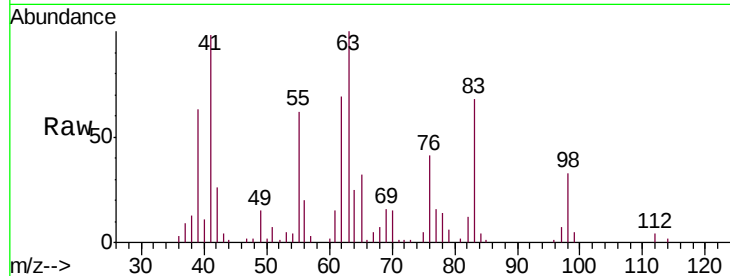
VSTD05032

Tgt Ion: 63 Resp: 37966

Ion Ratio Lower Upper

63 100

112 3.2 2.6 3.8



#38

Bromodichloromethane

Concen: 52.394 ug/L

RT: 6.76 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VU027816.D

Acq: 25 Oct 2018 23:07

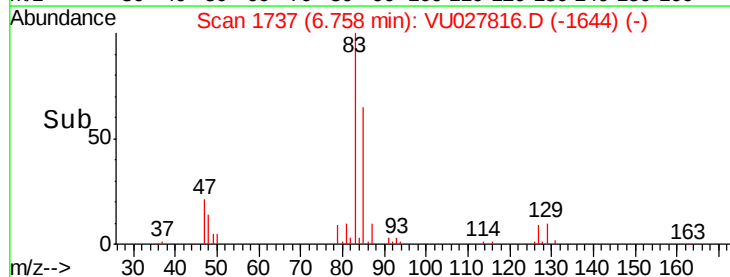
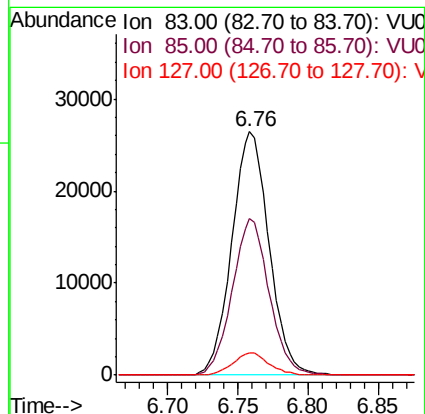
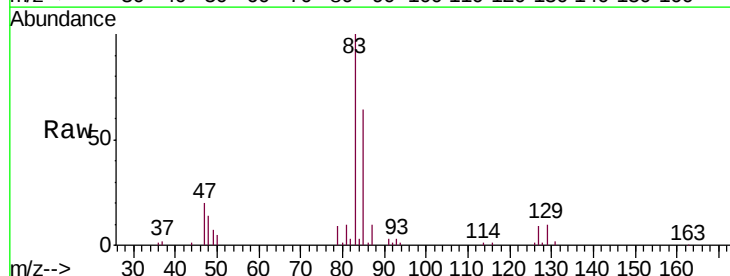
Tgt Ion: 83 Resp: 48755

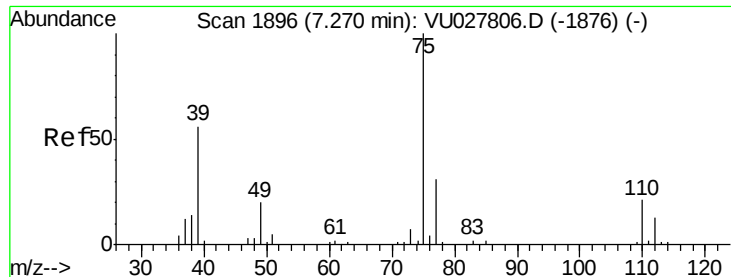
Ion Ratio Lower Upper

83 100

85 64.1 44.5 82.7

127 9.2 6.2 9.2

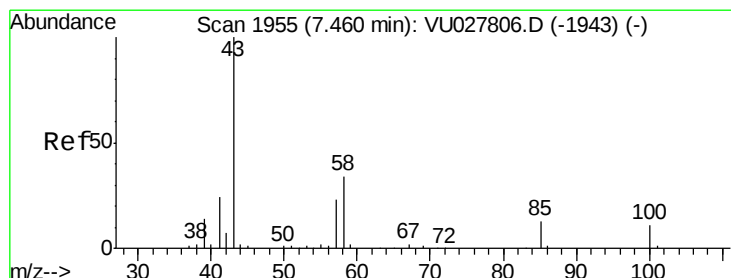
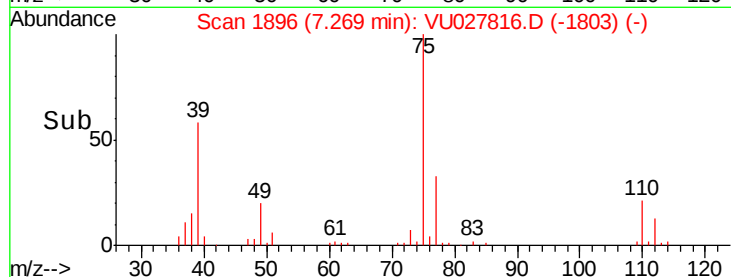
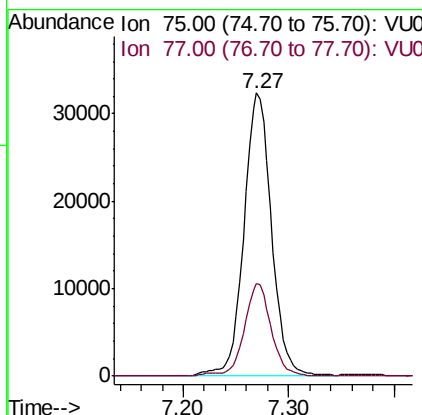
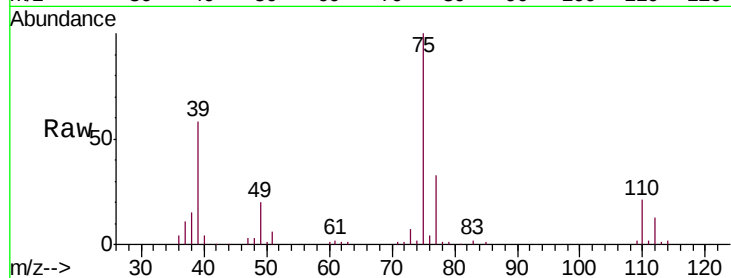




#39
 cis-1,3-Dichloropropene
 Concen: 51.152 ug/L
 RT: 7.27 min Scan# 1896
 Delta R.T. -0.00 min
 Lab File: VU027816.D
 Acq: 25 Oct 2018 23:07

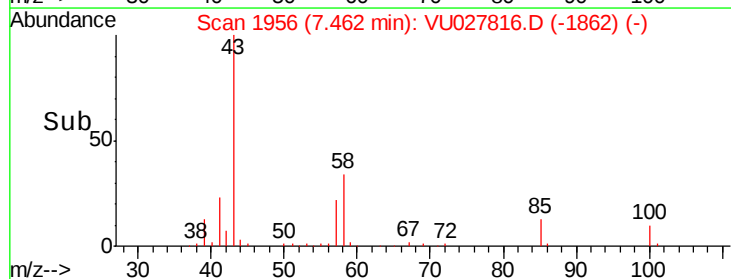
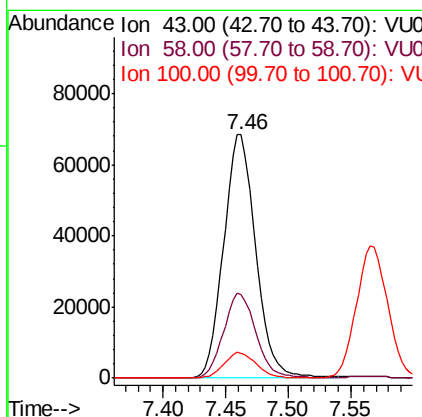
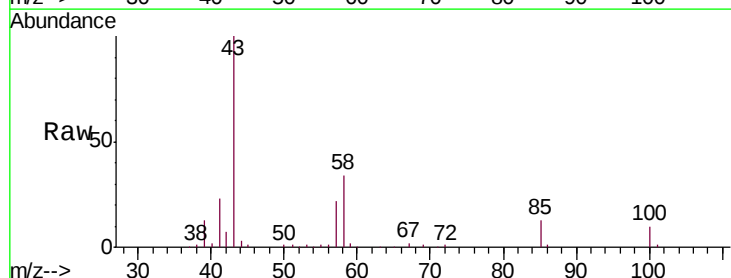
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

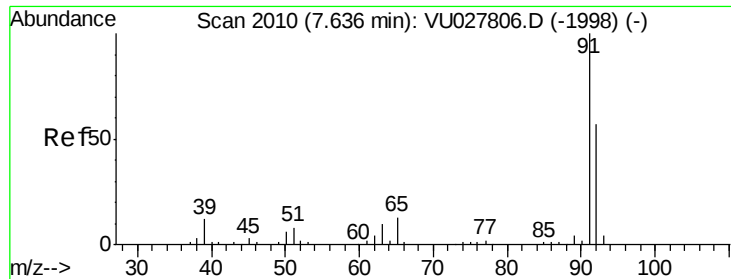
Tgt Ion: 75 Resp: 58979
 Ion Ratio Lower Upper
 75 100
 77 32.9 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 101.234 ug/L
 RT: 7.46 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VU027816.D
 Acq: 25 Oct 2018 23:07

Tgt Ion: 43 Resp: 121834
 Ion Ratio Lower Upper
 43 100
 58 35.0 28.3 42.5
 100 10.5 9.1 13.7





#42

Toluene

Concen: 52.447 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027816.D

Acq: 25 Oct 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

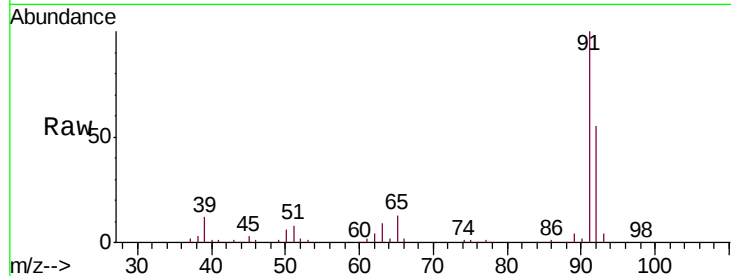
VSTD05032

Tgt Ion: 91 Resp: 139203

Ion Ratio Lower Upper

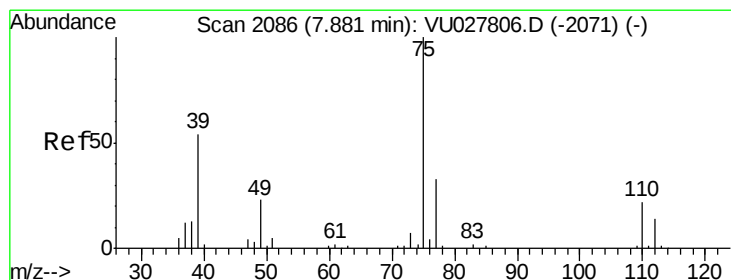
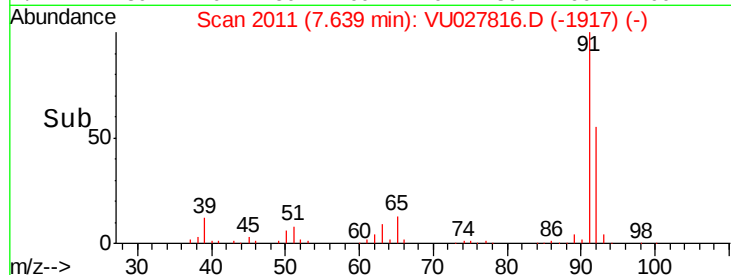
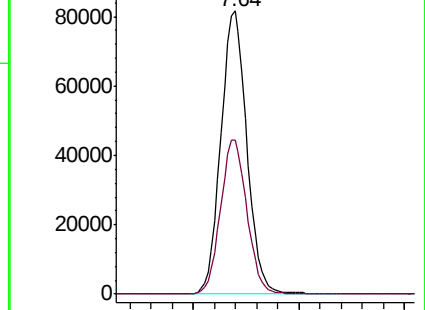
91 100

92 54.6 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VU027816.D (-1998) (-)

Ion 92.00 (91.70 to 92.70): VU027816.D (-1998) (-)



#44

trans-1,3-Dichloropropene

Concen: 50.883 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VU027816.D

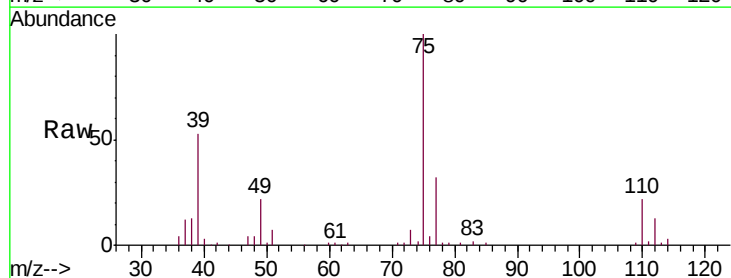
Acq: 25 Oct 2018 23:07

Tgt Ion: 75 Resp: 55498

Ion Ratio Lower Upper

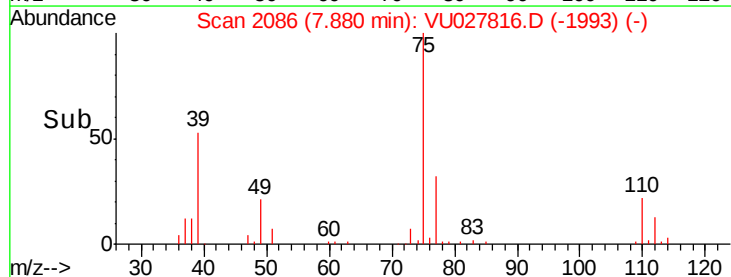
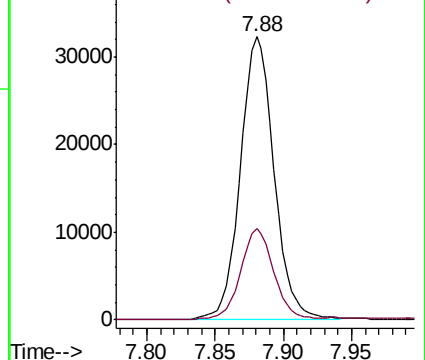
75 100

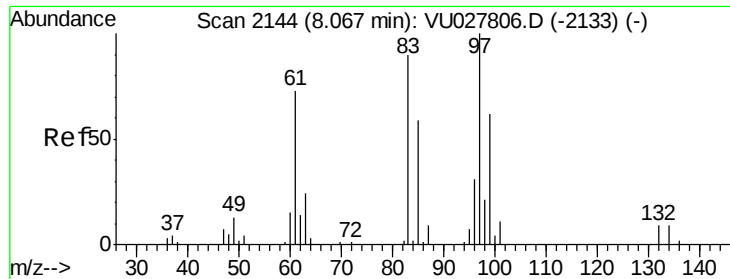
77 32.1 22.8 42.4



Abundance Ion 75.00 (74.70 to 75.70): VU027816.D (-1993) (-)

Ion 77.00 (76.70 to 77.70): VU027816.D (-1993) (-)

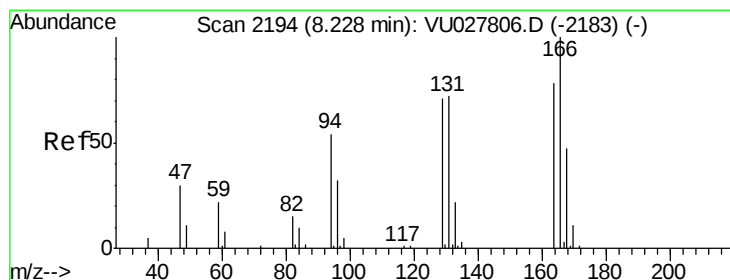
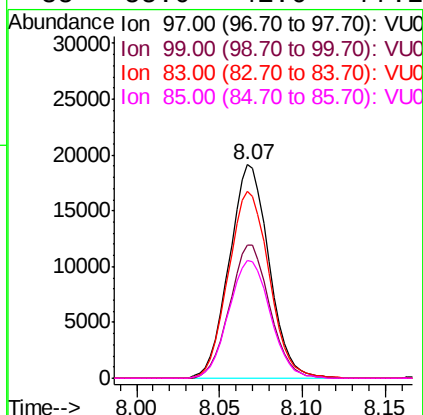
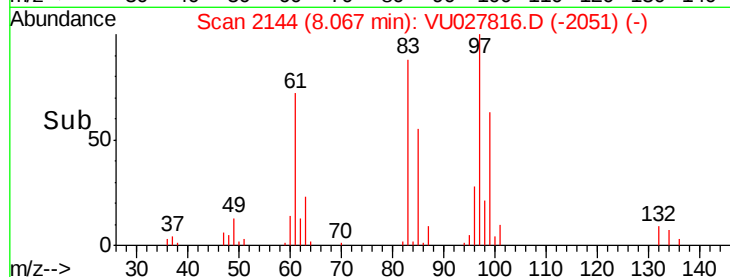
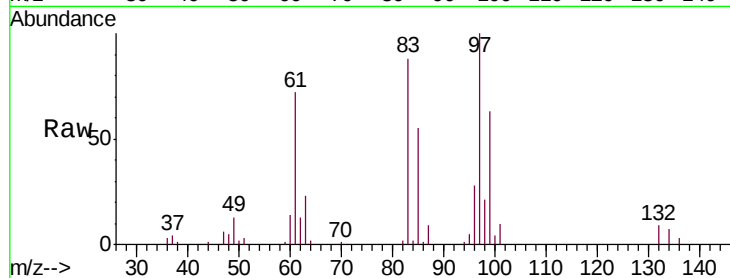




#45
 1,1,2-Trichloroethane
 Concen: 51.795 ug/L
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027816.D
 Acq: 25 Oct 2018 23:07

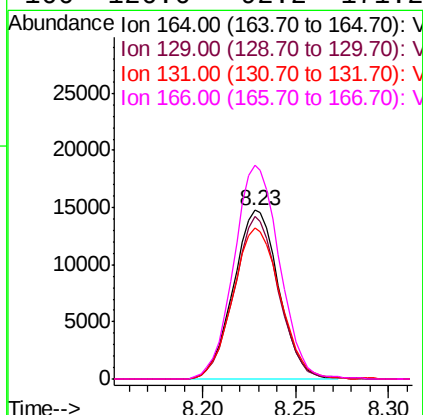
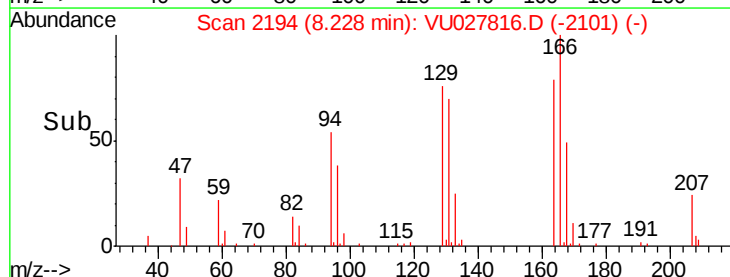
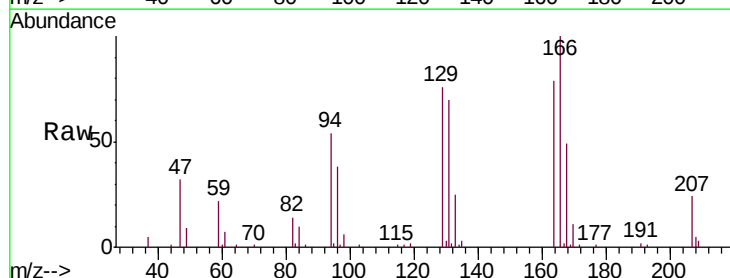
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

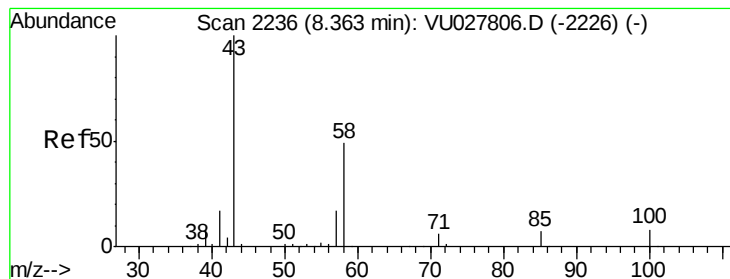
Tgt Ion:	97	Resp:	32037
Ion	Ratio	Lower	Upper
97	100		
99	62.5	42.6	79.2
83	87.7	62.4	115.8
85	55.0	41.6	77.2



#46
 Tetrachloroethene
 Concen: 51.000 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VU027816.D
 Acq: 25 Oct 2018 23:07

Tgt Ion:	164	Resp:	24989
Ion	Ratio	Lower	Upper
164	100		
129	96.6	68.5	127.3
131	89.2	67.1	124.5
166	126.6	92.2	171.2





#48

2-Hexanone

Concen: 100.059 ug/L

RT: 8.36 min Scan# 2236

Delta R.T. -0.00 min

Lab File: VU027816.D

Acq: 25 Oct 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

Tgt Ion: 43 Resp: 93388

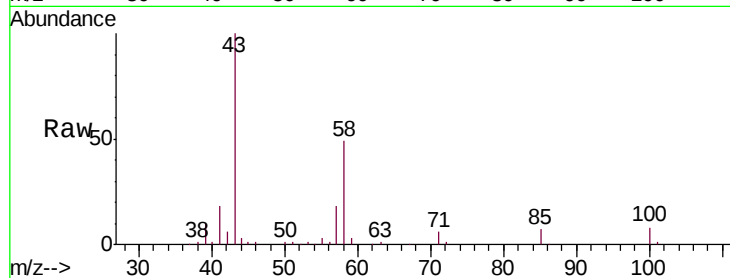
Ion Ratio Lower Upper

43 100

58 49.1 38.8 58.2

57 17.4 13.1 19.7

100 8.0 6.8 10.2

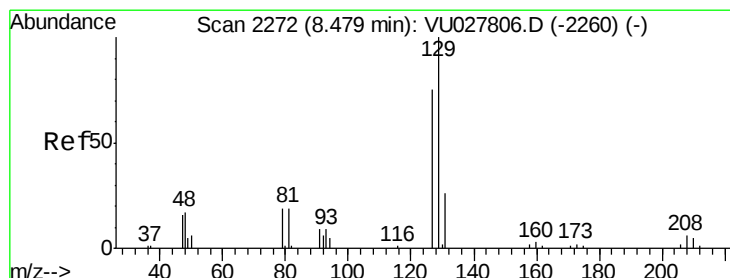
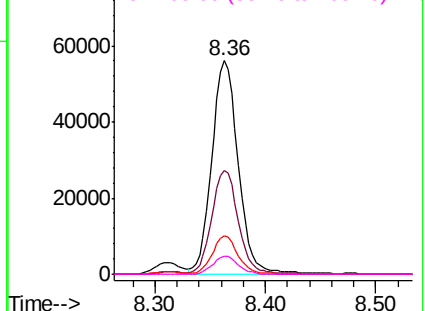
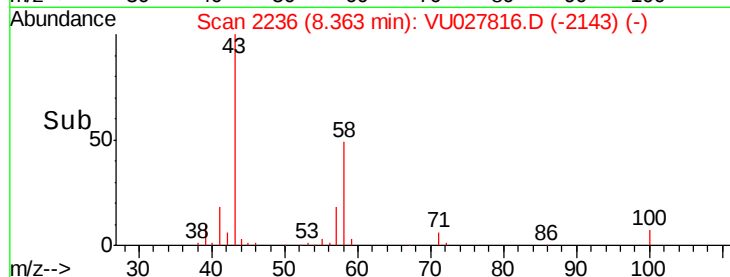


Abundance Ion 43.00 (42.70 to 43.70): VU027816.D (-2143) (-)

Ion 58.00 (57.70 to 58.70): VU027816.D (-2143) (-)

Ion 57.00 (56.70 to 57.70): VU027816.D (-2143) (-)

Ion 100.00 (99.70 to 100.70): VU027816.D (-2143) (-)



#49

Dibromochloromethane

Concen: 49.823 ug/L

RT: 8.48 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VU027816.D

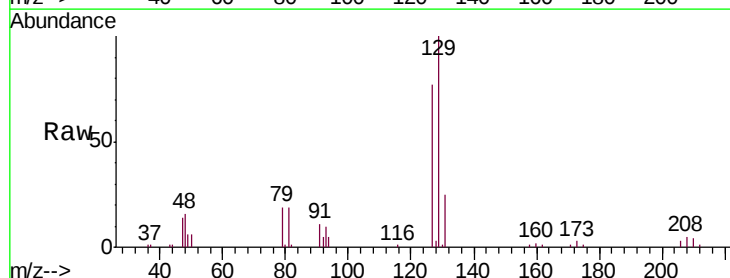
Acq: 25 Oct 2018 23:07

Tgt Ion: 129 Resp: 36516

Ion Ratio Lower Upper

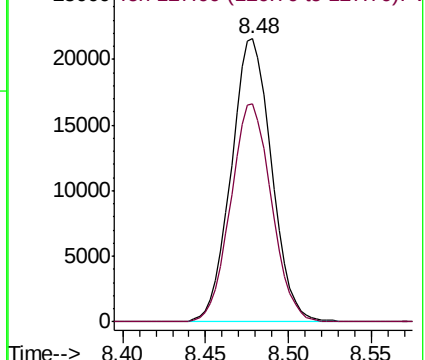
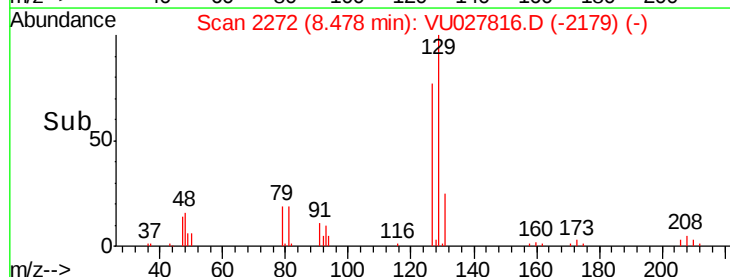
129 100

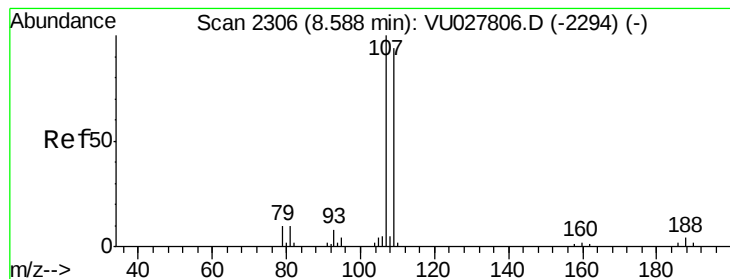
127 77.2 54.1 100.5



Abundance Ion 129.00 (128.70 to 129.70): VU027816.D (-2179) (-)

Ion 127.00 (126.70 to 127.70): VU027816.D (-2179) (-)





#50

1,2-Dibromoethane

Concen: 52.039 ug/L

RT: 8.59 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VU027816.D

Acq: 25 Oct 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

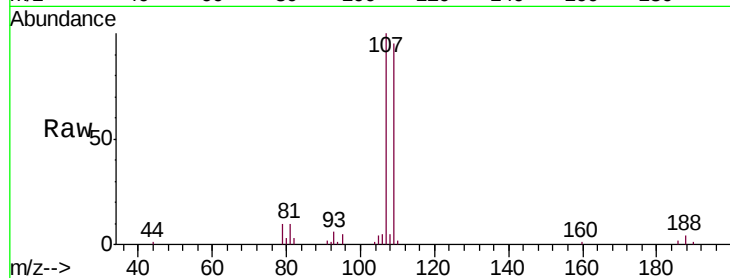
Tgt Ion:107 Resp: 34355

Ion Ratio Lower Upper

107 100

109 95.3 68.4 127.0

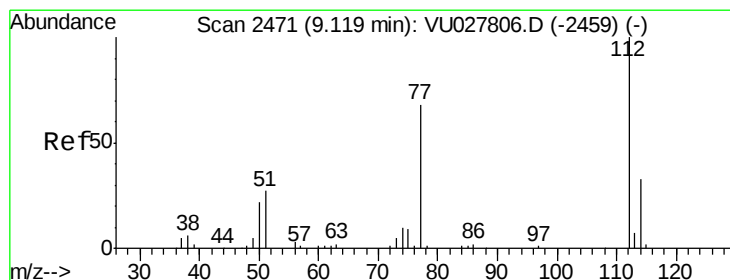
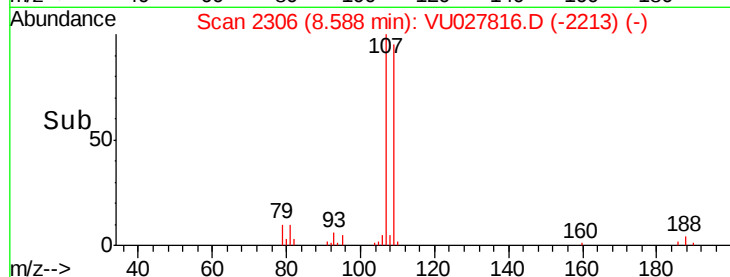
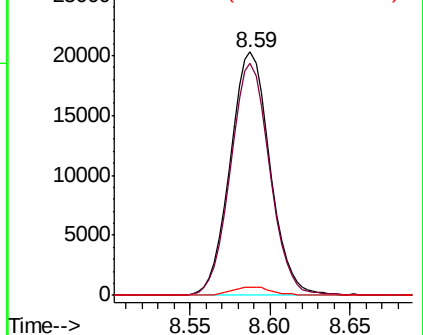
188 3.5 3.3 4.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 51.210 ug/L

RT: 9.12 min Scan# 2471

Delta R.T. -0.00 min

Lab File: VU027816.D

Acq: 25 Oct 2018 23:07

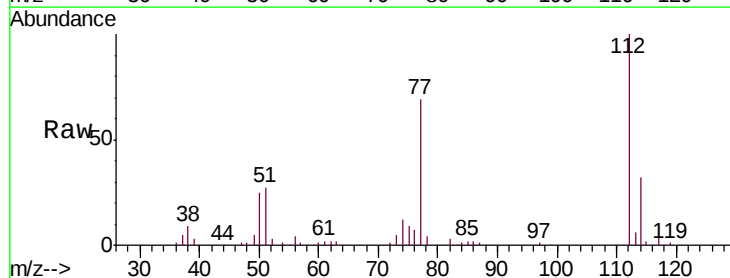
Tgt Ion:112 Resp: 83330

Ion Ratio Lower Upper

112 100

114 31.8 21.9 40.7

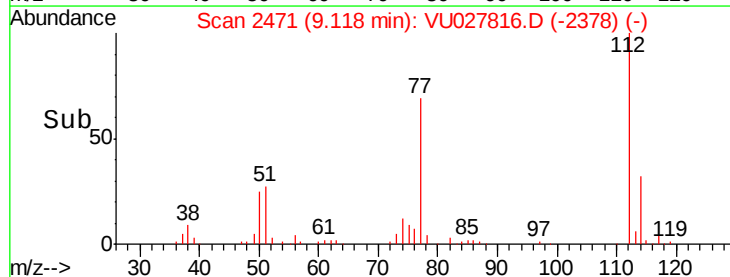
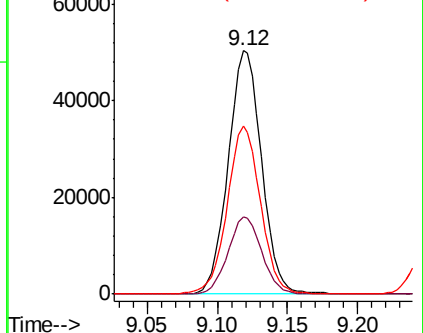
77 68.8 52.2 78.2

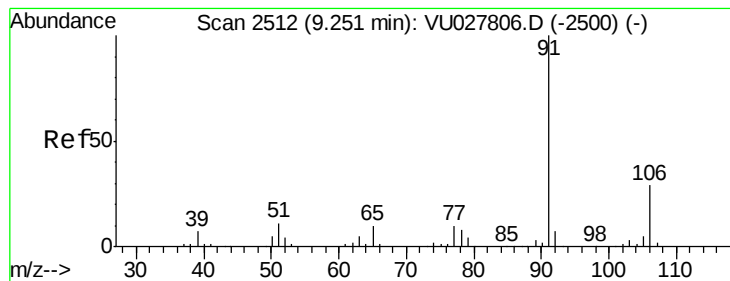


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#52

Ethylbenzene

Concen: 52.099 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU027816.D

Acq: 25 Oct 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

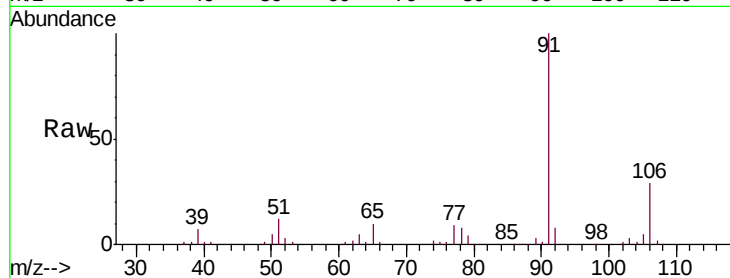
VSTD05032

Tgt Ion: 91 Resp: 156417

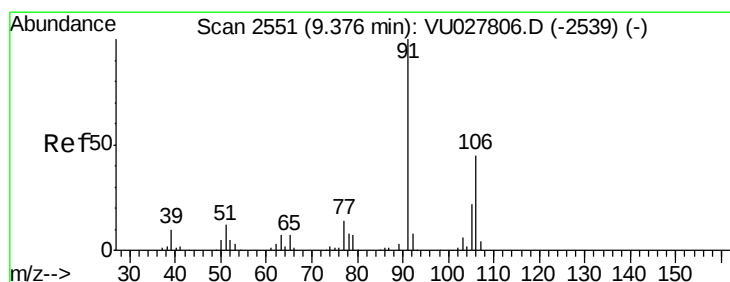
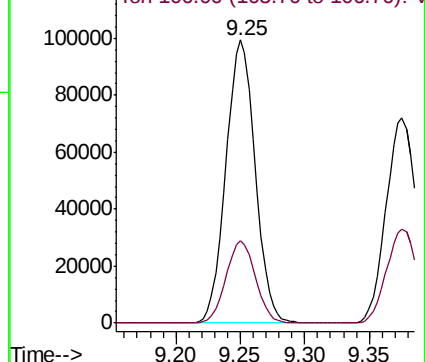
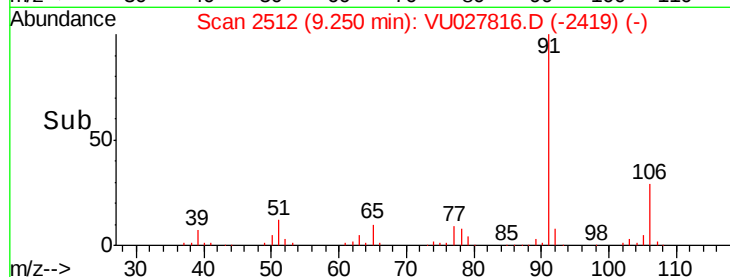
Ion Ratio Lower Upper

91 100

106 29.3 20.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VU027816.D (-2419) (-)



#53

m,p-Xylene

Concen: 50.567 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU027816.D

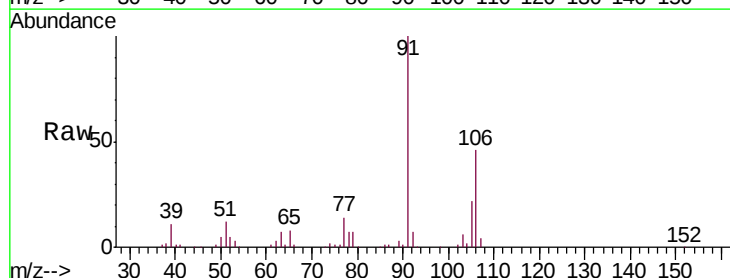
Acq: 25 Oct 2018 23:07

Tgt Ion:106 Resp: 54844

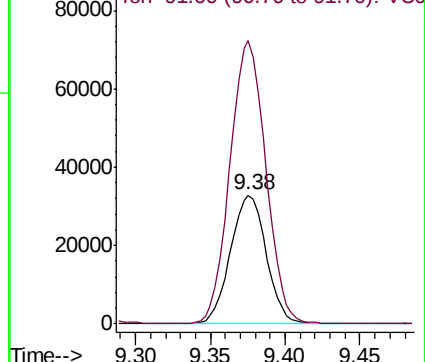
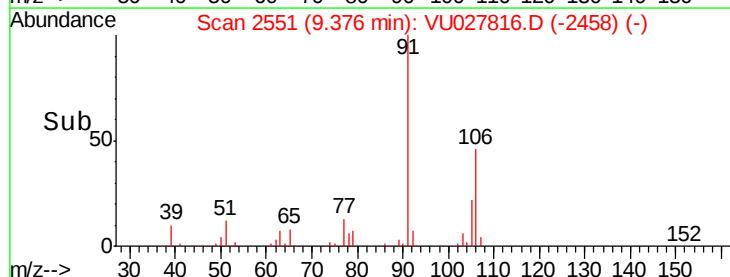
Ion Ratio Lower Upper

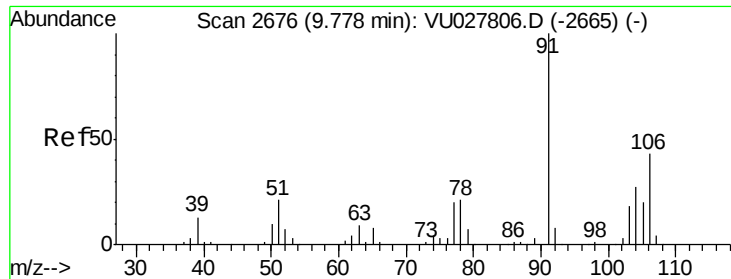
106 100

91 219.4 147.9 274.7



Abundance Ion 106.00 (105.70 to 106.70): VU027816.D (-2458) (-)





#54

o-xylene

Concen: 51.096 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VU027816.D

Acq: 25 Oct 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

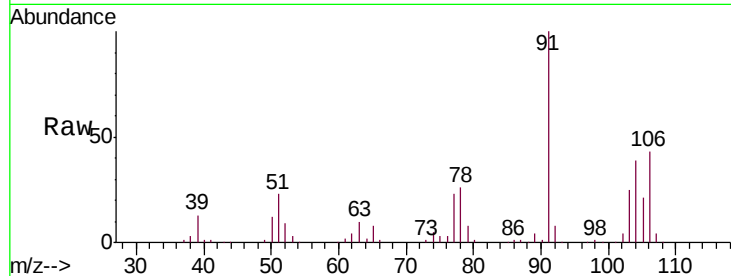
VSTD05032

Tgt Ion:106 Resp: 55241

Ion Ratio Lower Upper

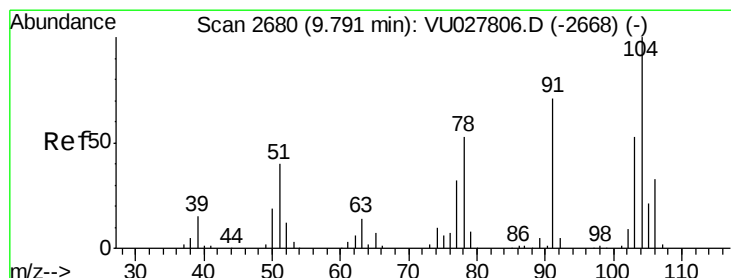
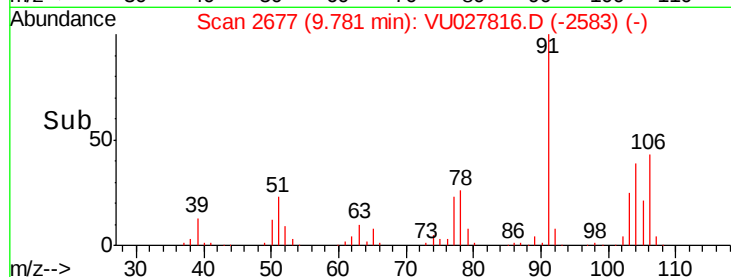
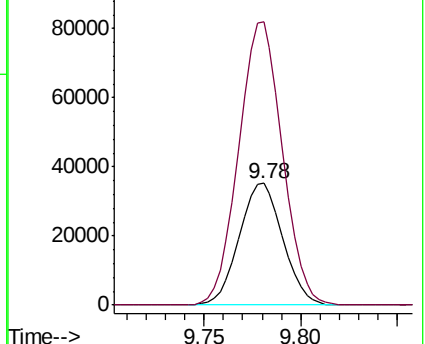
106 100

91 232.9 159.4 296.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 51.557 ug/L

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU027816.D

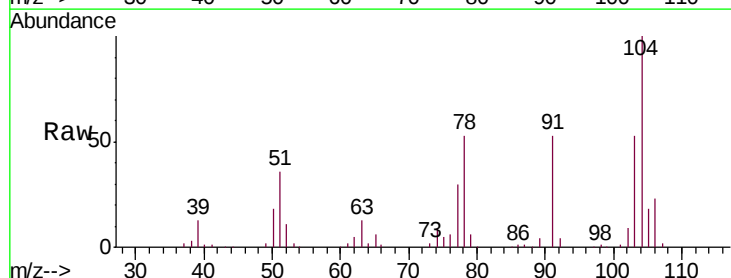
Acq: 25 Oct 2018 23:07

Tgt Ion:104 Resp: 94877

Ion Ratio Lower Upper

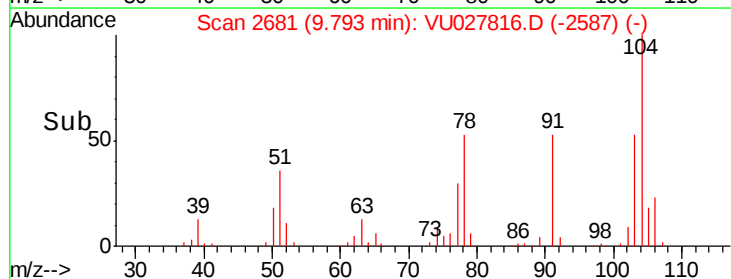
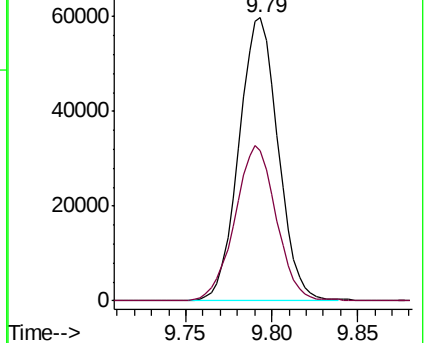
104 100

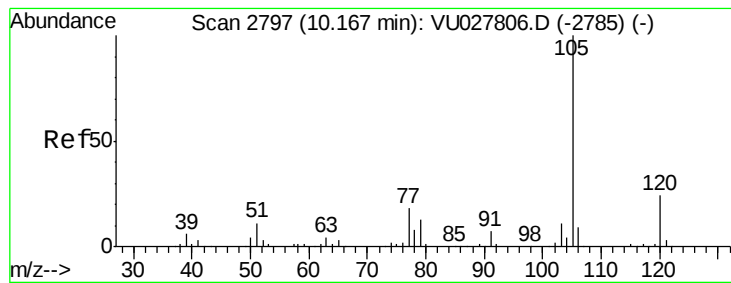
78 52.9 36.5 67.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 52.937 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027816.D

Acq: 25 Oct 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

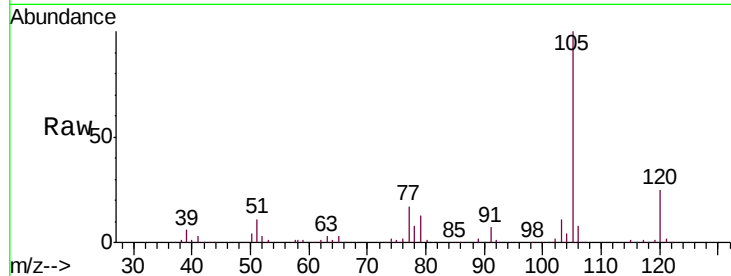
Tgt Ion: 105 Resp: 151569

Ion Ratio Lower Upper

105 100

120 24.7 21.0 31.6

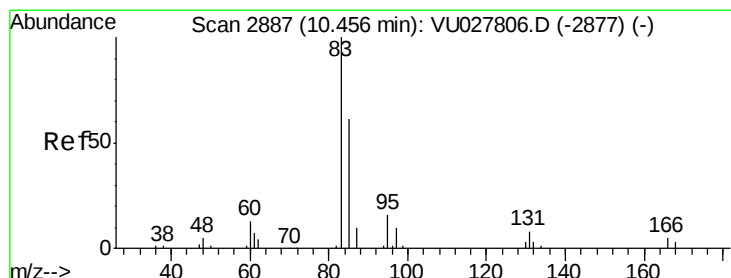
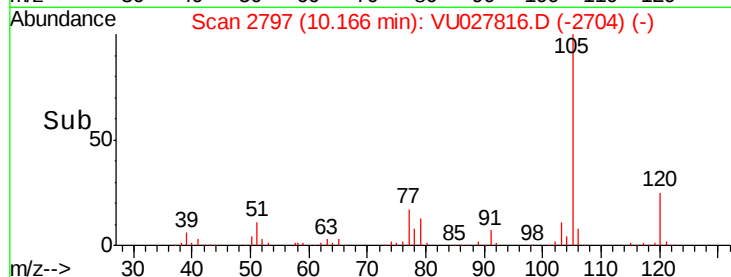
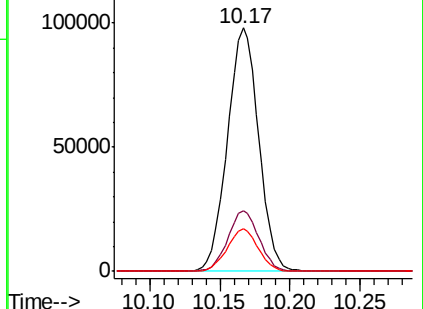
77 17.4 13.7 20.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 50.666 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU027816.D

Acq: 25 Oct 2018 23:07

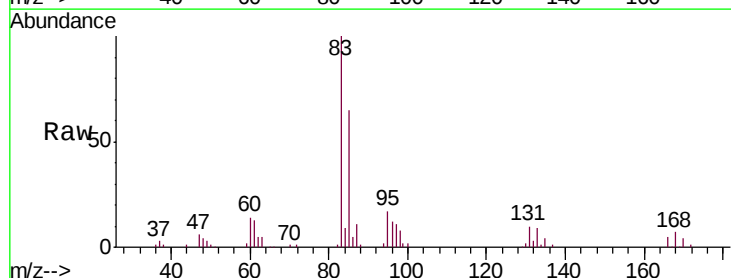
Tgt Ion: 83 Resp: 55728

Ion Ratio Lower Upper

83 100

85 64.6 44.6 82.8

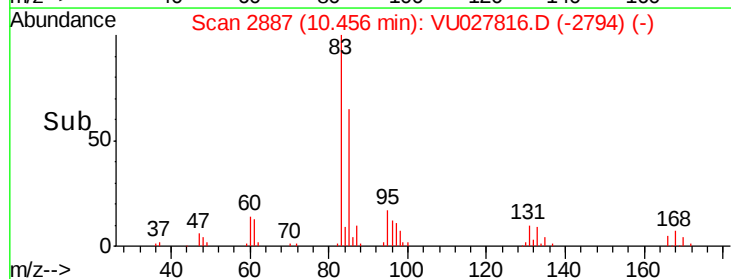
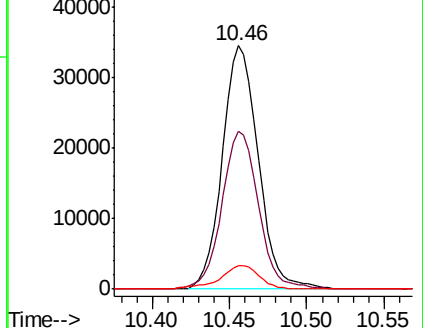
131 9.7 6.9 10.3

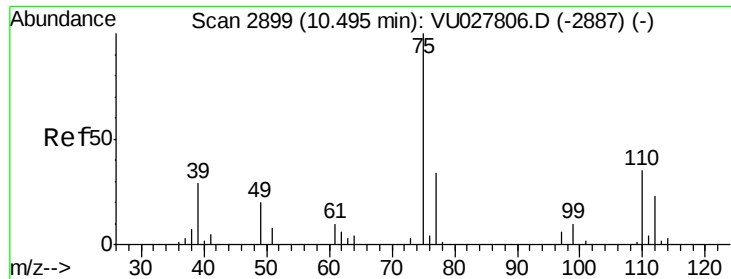


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 51.910 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU027816.D

Acq: 25 Oct 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

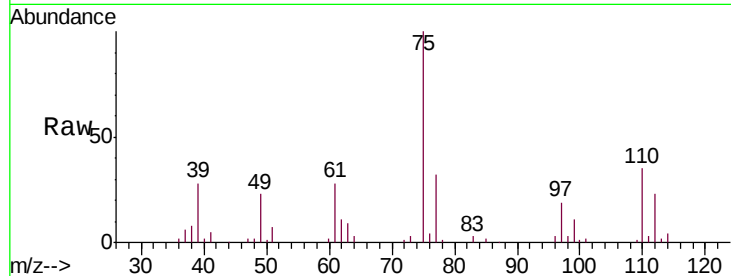
VSTD05032

Tgt Ion: 75 Resp: 45939

Ion Ratio Lower Upper

75 100

77 32.0 26.5 39.7

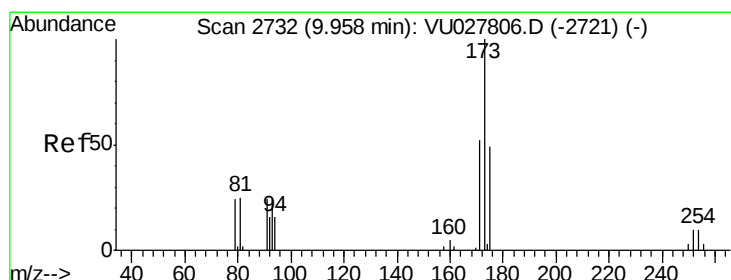
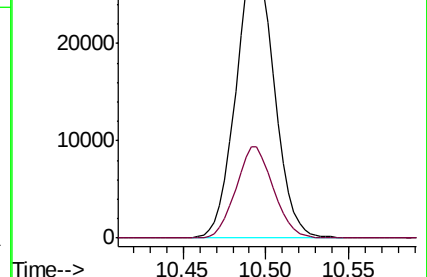
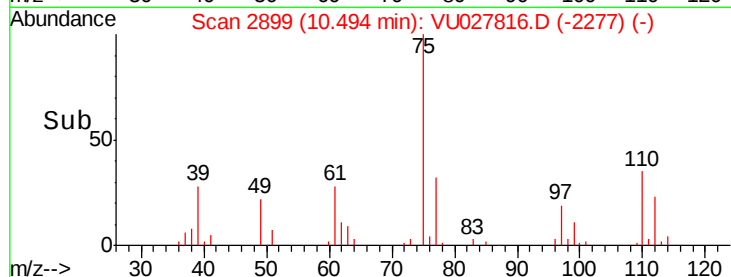


Abundance Ion 75.00 (74.70 to 75.70): VU027806.D (-2887) (-)

Ion 77.00 (76.70 to 77.70): VU027806.D (-2887) (-)

10.49

Time-->



#61

Bromoform

Concen: 47.644 ug/L

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU027816.D

Acq: 25 Oct 2018 23:07

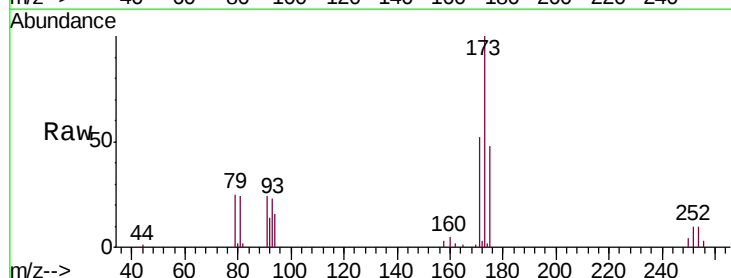
Tgt Ion: 173 Resp: 27226

Ion Ratio Lower Upper

173 100

175 48.5 38.6 58.0

254 9.8 7.9 11.9



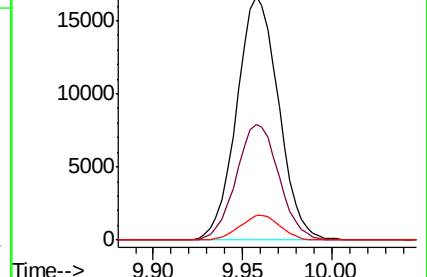
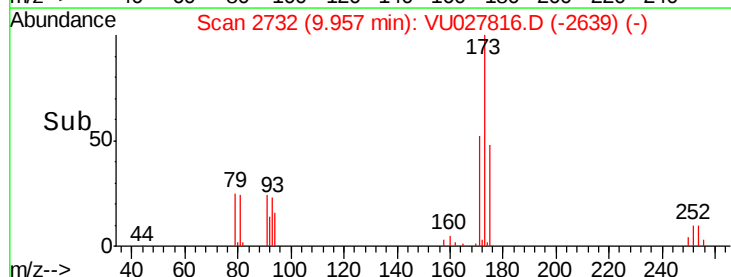
Abundance Ion 173.00 (172.70 to 173.70): VU027806.D (-2721) (-)

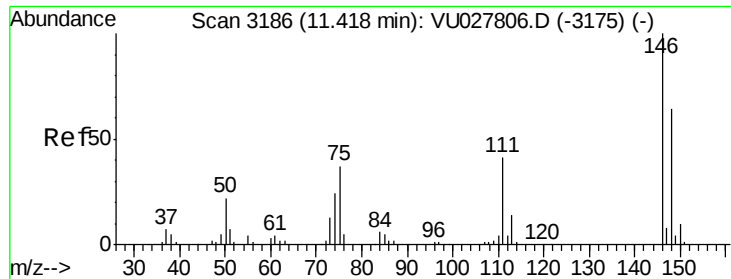
Ion 175.00 (174.70 to 175.70): VU027806.D (-2721) (-)

Ion 254.00 (253.70 to 254.70): VU027806.D (-2721) (-)

9.96

Time-->

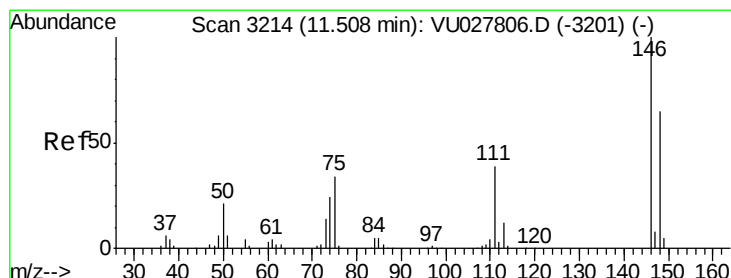
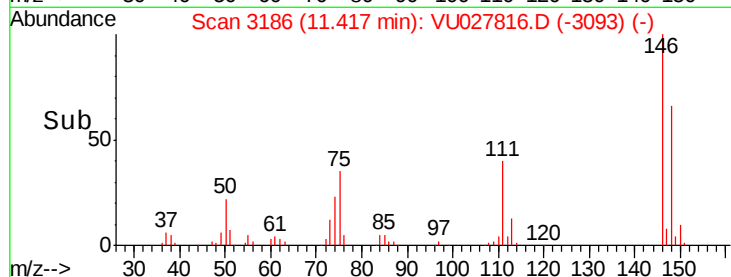
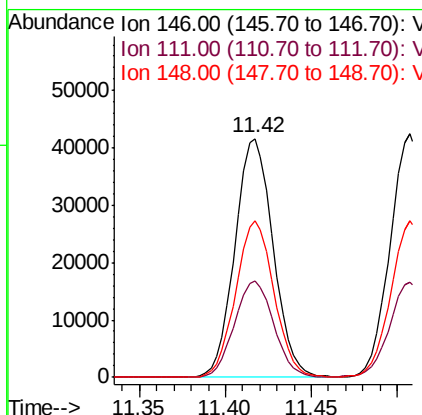
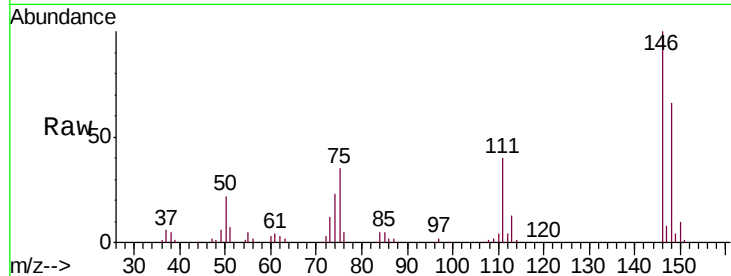




#62
 1,3-Dichlorobenzene
 Concen: 50.041 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU027816.D
 Acq: 25 Oct 2018 23:07

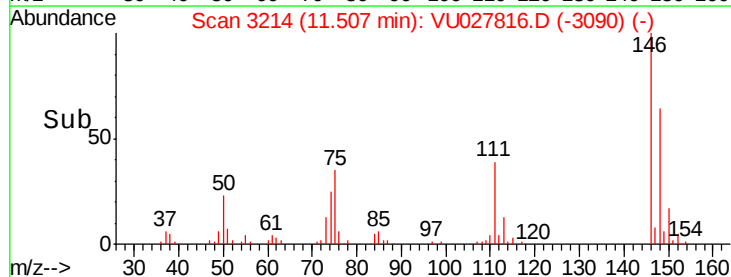
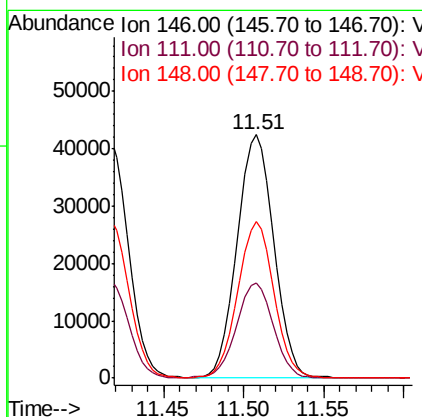
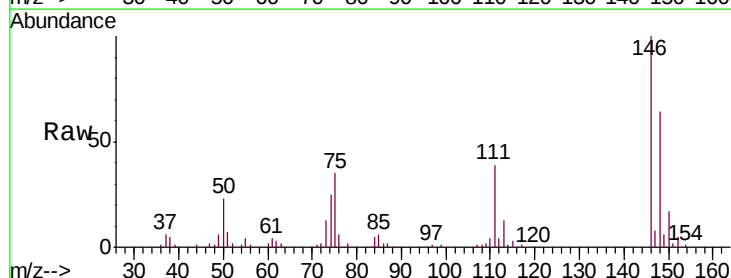
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

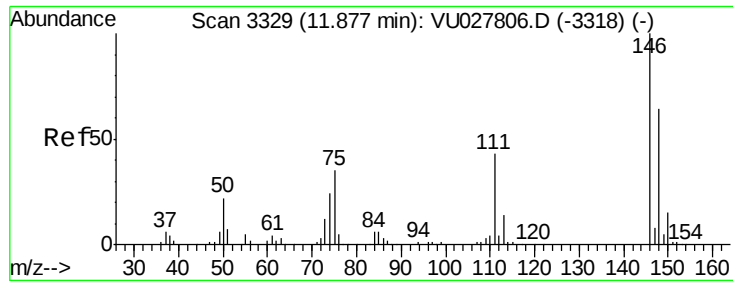
Tgt Ion:146 Resp: 64324
 Ion Ratio Lower Upper
 146 100
 111 40.3 28.1 52.3
 148 65.8 43.7 81.1



#63
 1,4-Dichlorobenzene
 Concen: 50.747 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU027816.D
 Acq: 25 Oct 2018 23:07

Tgt Ion:146 Resp: 66514
 Ion Ratio Lower Upper
 146 100
 111 39.1 27.5 51.1
 148 64.4 44.1 81.9

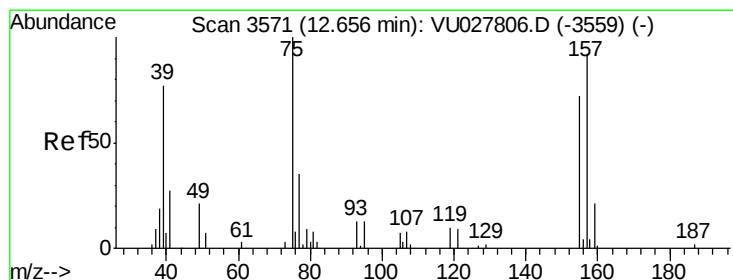
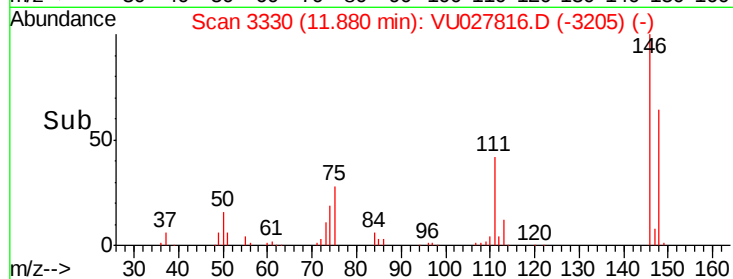
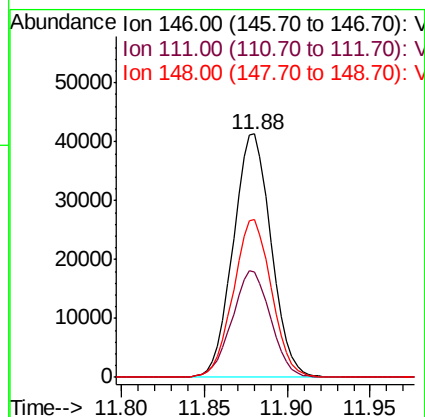
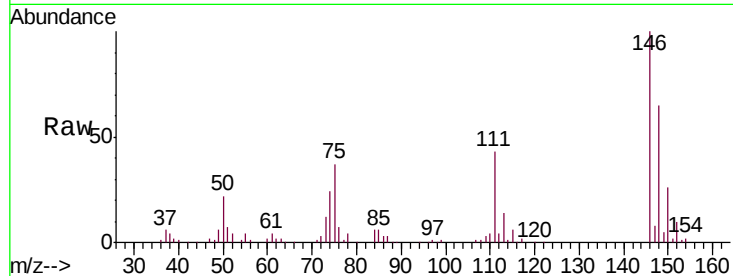




#65
 1,2-Dichlorobenzene
 Concen: 49.907 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027816.D
 Acq: 25 Oct 2018 23:07

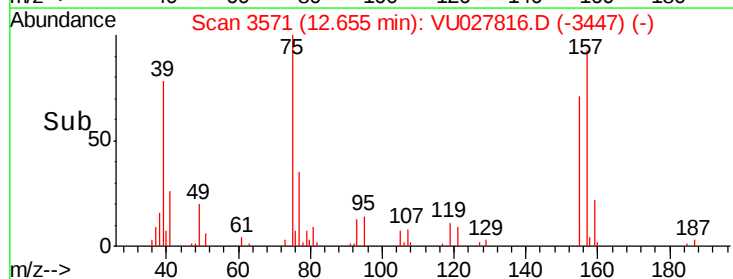
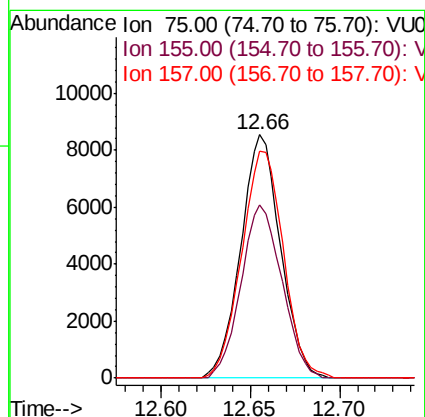
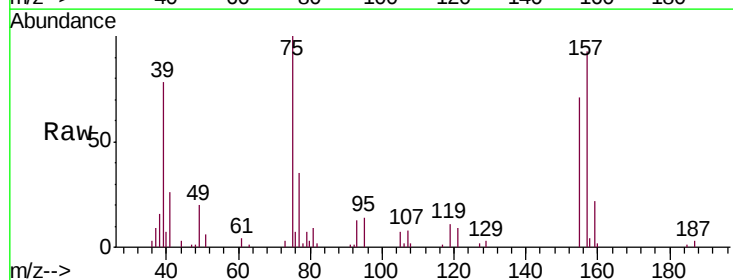
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

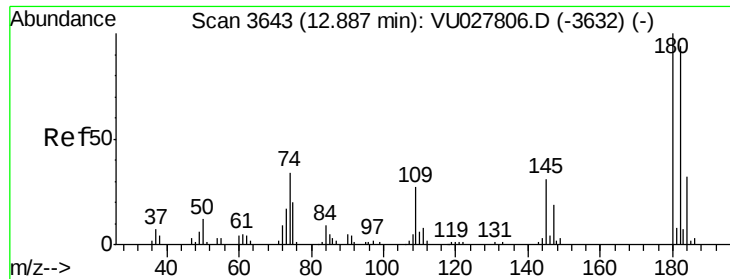
Tgt Ion: 146 Resp: 65983
 Ion Ratio Lower Upper
 146 100
 111 43.3 33.8 50.8
 148 64.7 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 48.460 ug/L
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027816.D
 Acq: 25 Oct 2018 23:07

Tgt Ion: 75 Resp: 13350
 Ion Ratio Lower Upper
 75 100
 155 71.0 57.4 86.2
 157 93.0 75.9 113.9

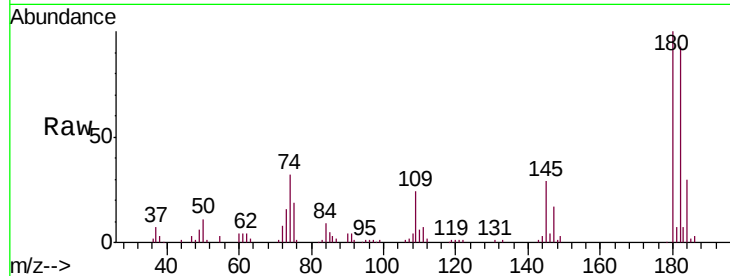




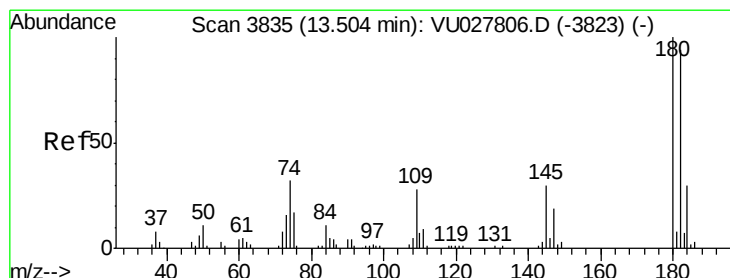
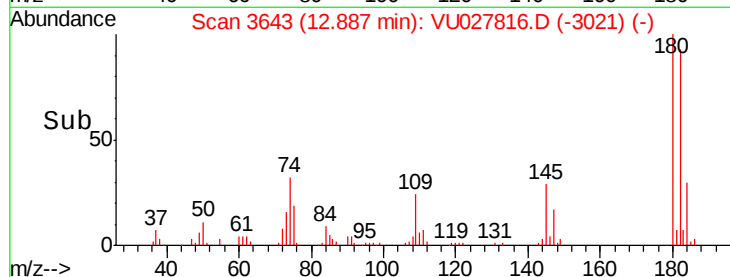
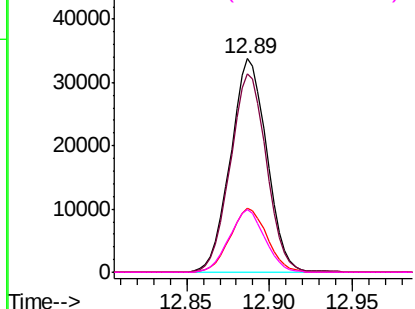
#67
 1,3,5-Trichlorobenzene
 Concen: 51.736 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. -0.00 min
 Lab File: VU027816.D
 Acq: 25 Oct 2018 23:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

Tgt Ion:180 Resp: 51434
 Ion Ratio Lower Upper
 180 100
 182 92.8 75.9 113.9
 184 30.3 24.7 37.1
 145 28.5 23.0 34.4

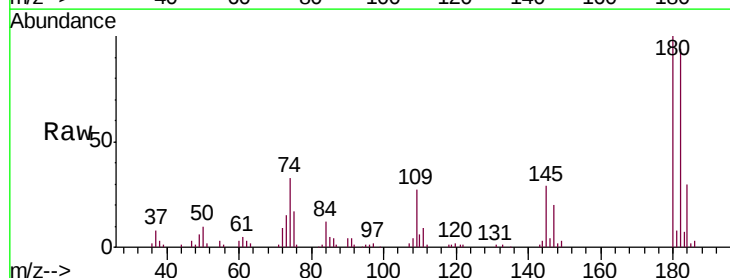


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

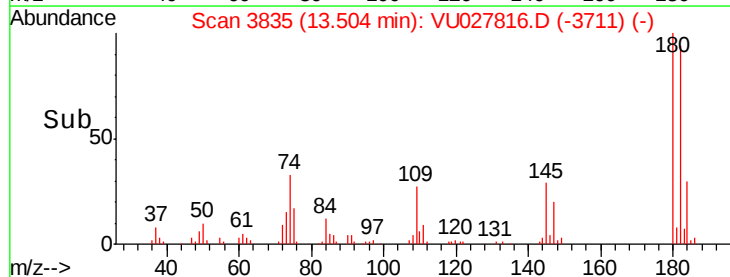
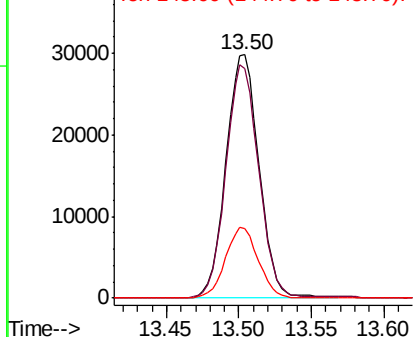


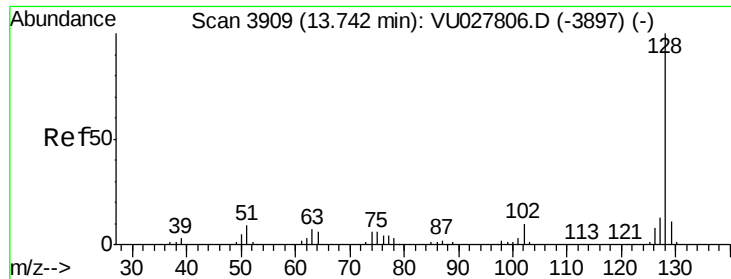
#68
 1,2,4-trichlorobenzene
 Concen: 53.545 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU027816.D
 Acq: 25 Oct 2018 23:07

Tgt Ion:180 Resp: 47258
 Ion Ratio Lower Upper
 180 100
 182 95.2 77.1 115.7
 145 28.6 23.4 35.0



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





#69

Naphthalene

Concen: 52.162 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU027816.D

Acq: 25 Oct 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

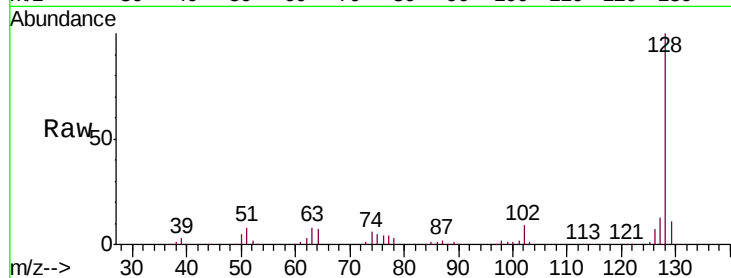
Tgt Ion:128 Resp: 148693

Ion Ratio Lower Upper

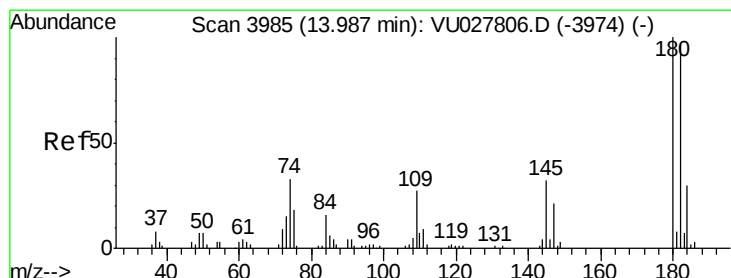
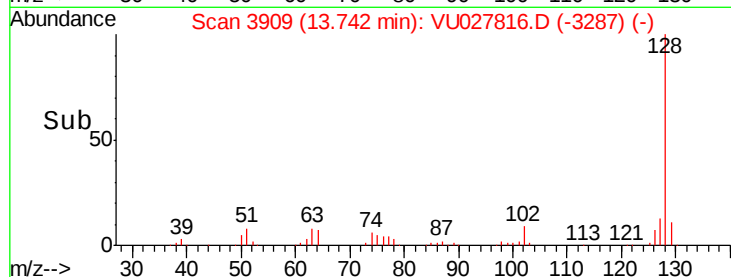
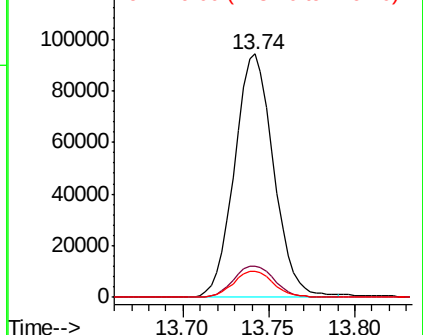
128 100

127 13.5 10.9 16.3

129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 52.307 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU027816.D

Acq: 25 Oct 2018 23:07

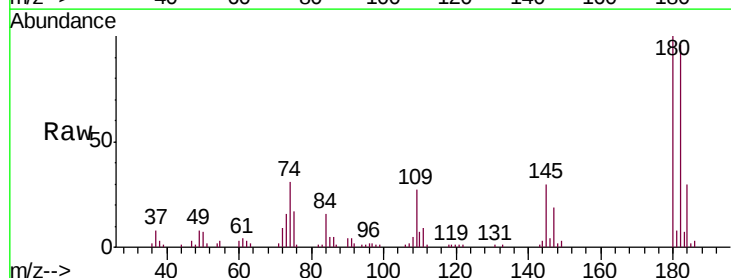
Tgt Ion:180 Resp: 48249

Ion Ratio Lower Upper

180 100

182 94.9 77.8 116.6

145 30.8 25.0 37.4



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

