

Data File : VU027845.D
Acq On : 29 Oct 2018 10:29
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05008

Quant Time: Oct 30 02:24:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Oct 27 01:41:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	111629	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	105549	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	52201	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	34444	39.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.32%
7) Chloroethane-d5	1.68	69	27363	40.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.84%
11) 1,1-Dichloroethene-d2	2.28	63	65549	41.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.80%
21) 2-Butanone-d5	4.18	46	65259	88.17	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.17%
24) Chloroform-d	4.65	84	67557	43.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.54%
26) 1,2-Dichloroethane-d4	5.31	65	46707	43.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.40%
32) Benzene-d6	5.34	84	126682	42.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.28%
36) 1,2-Dichloropropane-d6	6.33	67	46131	42.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.98%
41) Toluene-d8	7.57	98	120731	43.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.08%
43) trans-1,3-Dichloropropene-	7.85	79	21910	42.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.08%
47) 2-Hexanone-d5	8.31	63	47417	86.34	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.34%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	60672	43.78	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.56%
64) 1,2-Dichlorobenzene-d4	11.86	152	46961	43.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.84%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	38835	42.808	ug/L 100
3) Chloromethane	1.33	50	43847	41.259	ug/L 99
5) Vinyl chloride	1.40	62	41953	41.618	ug/L 96
6) Bromomethane	1.63	94	18878	37.141	ug/L 98
8) Chloroethane	1.70	64	23712	43.581	ug/L 96
9) Trichlorofluoromethane	1.89	101	54995	45.279	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	30374	45.668	ug/L 97
12) 1,1-Dichloroethene	2.29	96	28087	45.155	ug/L 96
13) Acetone	2.32	43	58375	113.222	ug/L 99
14) Carbon disulfide	2.48	76	90887	41.964	ug/L 99
15) Methyl Acetate	2.62	43	46899	43.224	ug/L 99
16) Methylene chloride	2.70	84	33461	43.549	ug/L 94
17) trans-1,2-Dichloroethene	2.99	96	30019	43.628	ug/L 94
18) Methyl tert-butyl Ether	3.00	73	115199	44.793	ug/L 99
19) 1,1-Dichloroethane	3.45	63	66427	44.488	ug/L 99
20) cis-1,2-Dichloroethene	4.23	96	35171	43.208	ug/L 93
22) 2-Butanone	4.26	43	74154	96.660	ug/L 99

Data File : VU027845.D
Acq On : 29 Oct 2018 10:29
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05008

Quant Time: Oct 30 02:24:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Oct 27 01:41:17 2018
Response via : Initial Calibration

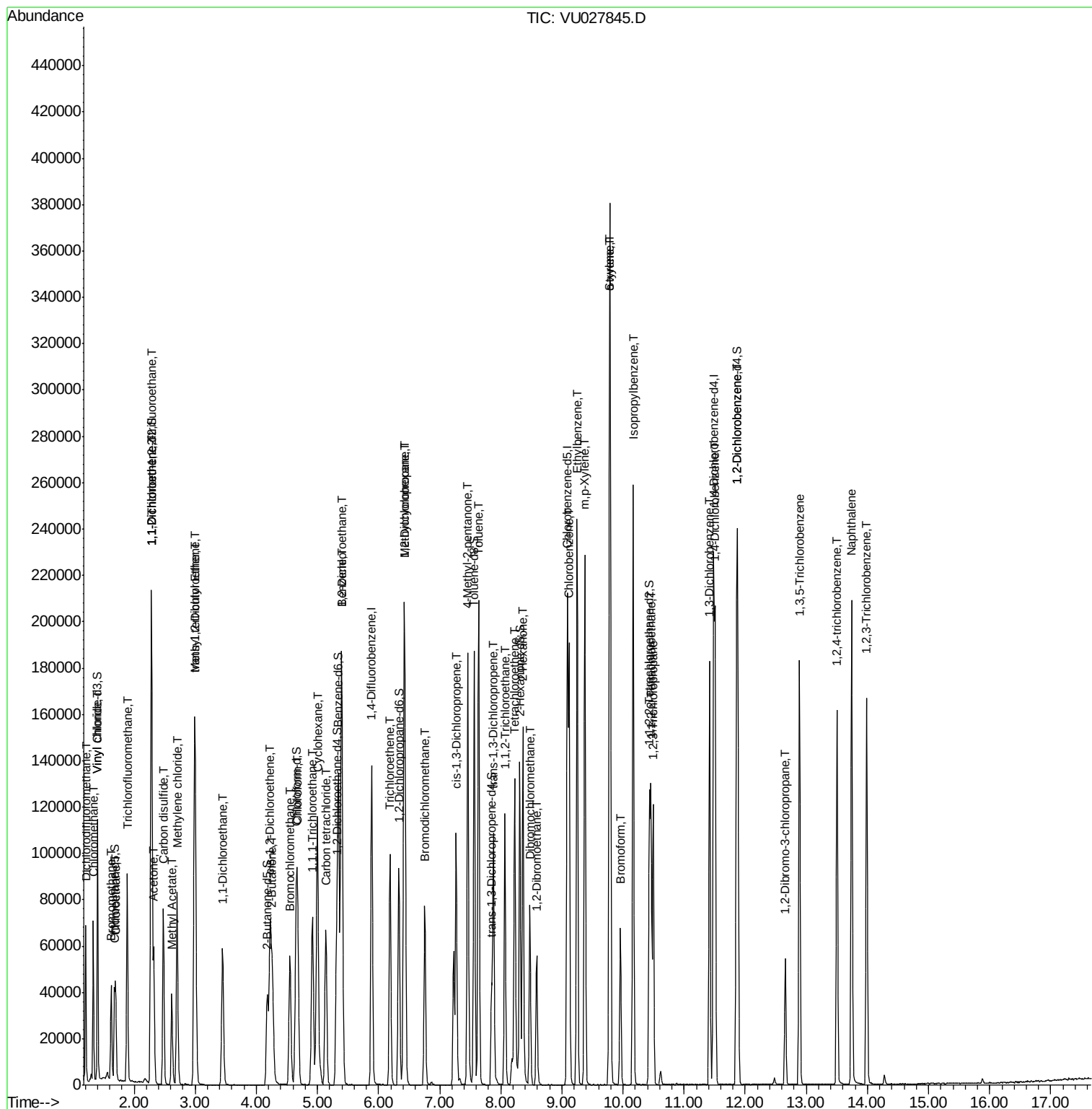
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	17279	45.461	ug/L	99
25) Chloroform	4.68	83	66304	45.759	ug/L	99
27) 1,2-Dichloroethane	5.40	62	55567	44.188	ug/L	98
29) Cyclohexane	5.00	56	66831	44.174	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	58021	45.351	ug/L	98
31) Carbon tetrachloride	5.14	117	49961	43.395	ug/L	99
33) Benzene	5.39	78	141091	44.934	ug/L	100
34) Trichloroethene	6.19	95	34799	44.269	ug/L	98
35) Methylcyclohexane	6.42	83	60872	44.776	ug/L	100
37) 1,2-Dichloropropane	6.43	63	41888	45.150	ug/L	100
38) Bromodichloromethane	6.76	83	50382	43.701	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	62493	43.747	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	132524	88.879	ug/L	99
42) Toluene	7.64	91	146890	44.669	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	59444	43.990	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	34825	45.444	ug/L	96
46) Tetrachloroethene	8.23	164	27458	45.231	ug/L	97
48) 2-Hexanone	8.36	43	105707	91.416	ug/L	99
49) Dibromochloromethane	8.48	129	39134	43.097	ug/L	99
50) 1,2-Dibromoethane	8.59	107	36593	44.739	ug/L	95
51) Chlorobenzene	9.12	112	89122	44.207	ug/L	98
52) Ethylbenzene	9.25	91	168157	45.207	ug/L	99
53) m,p-Xylene	9.38	106	60168	44.777	ug/L	96
54) o-xylene	9.78	106	60109	44.876	ug/L	98
55) Styrene	9.79	104	101893	44.691	ug/L	99
56) Isopropylbenzene	10.17	105	162455	45.797	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.46	83	61576	45.186	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	48499	44.233	ug/L	100
61) Bromoform	9.96	173	29924	43.003	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	70946	45.325	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	71113	44.555	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	71458	44.385	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	14616	43.569	ug/L	99
67) 1,3,5-Trichlorobenzene	12.89	180	54446	44.974	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	49007	45.599	ug/L	98
69) Naphthalene	13.74	128	156699	45.143	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	51551	45.895	ug/L	97

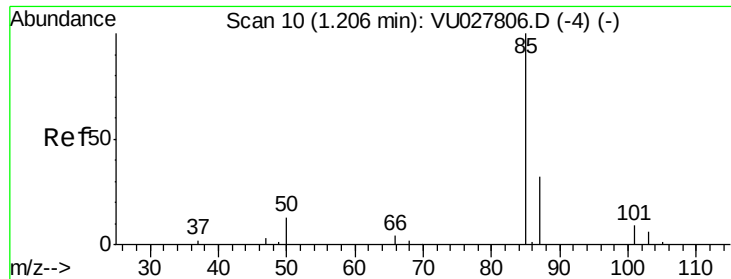
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU027845.D
Acq On : 29 Oct 2018 10:29
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05008

Quant Time: Oct 30 02:24:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102218WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Oct 27 01:41:17 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 42.808 ug/L

RT: 1.21 min Scan# 11

Delta R.T. 0.00 min

Lab File: VU027845.D

Acq: 29 Oct 2018 10:29

Instrument :

MSVOA_U

ClientSampleId :

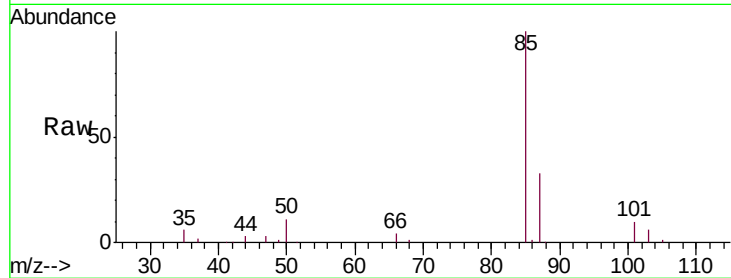
VSTD05008

Tgt Ion: 85 Resp: 38835

Ion Ratio Lower Upper

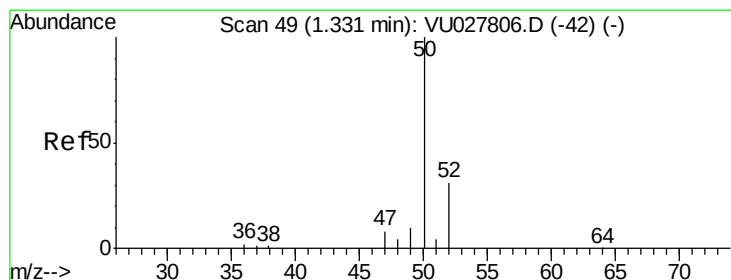
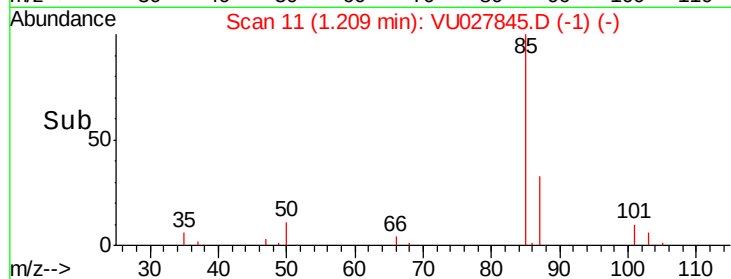
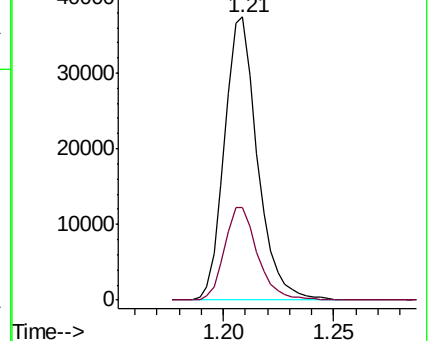
85 100

87 32.7 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 41.259 ug/L

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027845.D

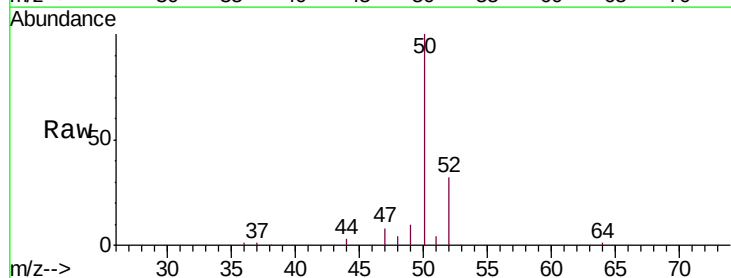
Acq: 29 Oct 2018 10:29

Tgt Ion: 50 Resp: 43847

Ion Ratio Lower Upper

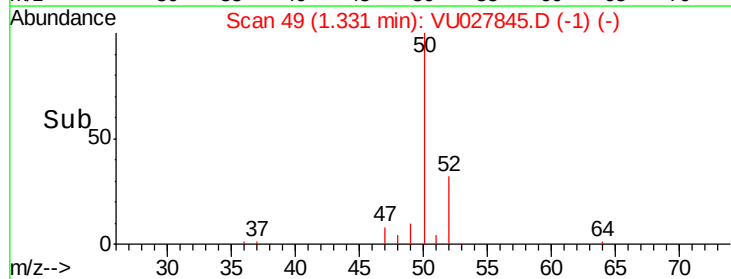
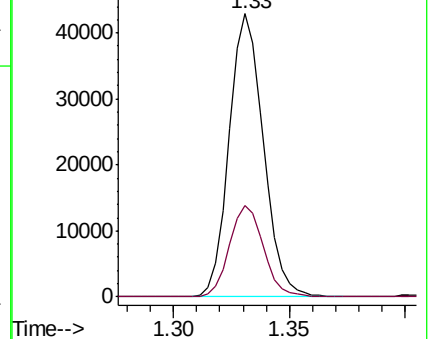
50 100

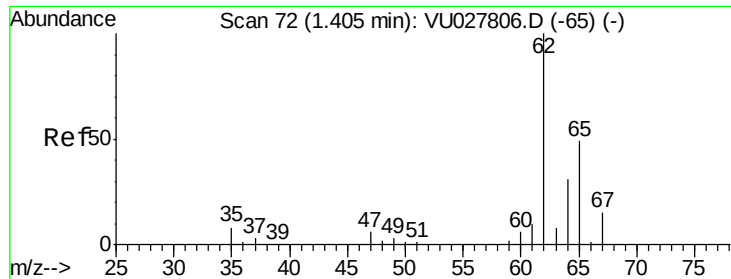
52 32.3 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0





#5

Vinyl chloride

Concen: 41.618 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU027845.D

Acq: 29 Oct 2018 10:29

Instrument :

MSVOA_U

ClientSampleId :

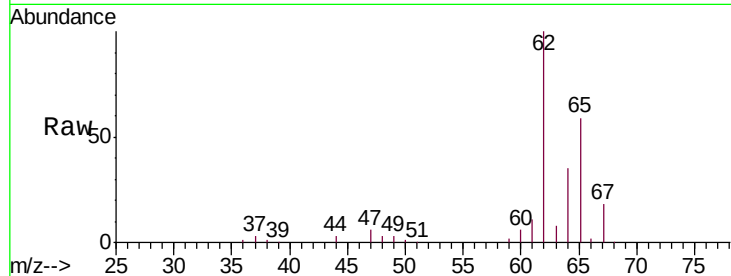
VSTD05008

Tgt Ion: 62 Resp: 41953

Ion Ratio Lower Upper

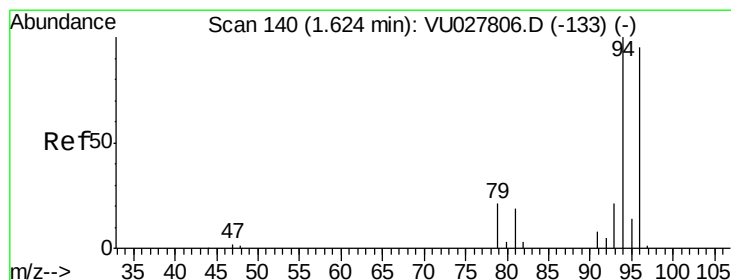
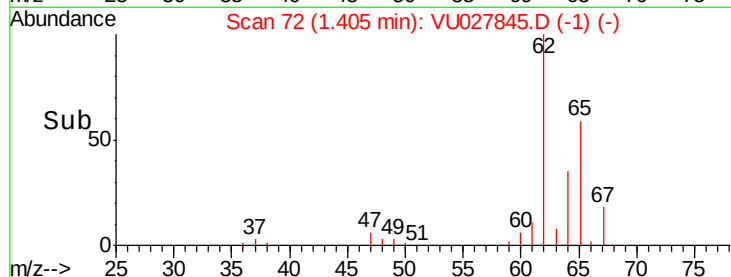
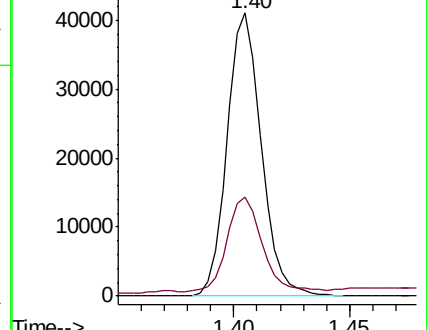
62 100

64 35.1 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: 37.141 ug/L

RT: 1.63 min Scan# 141

Delta R.T. 0.00 min

Lab File: VU027845.D

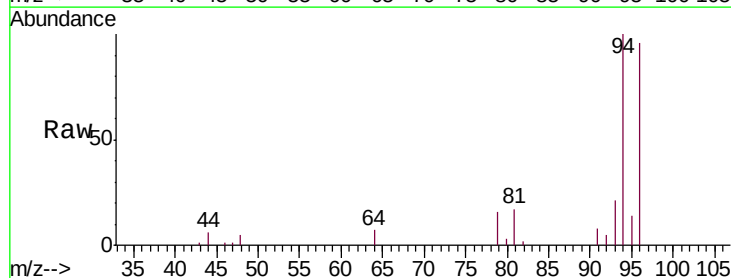
Acq: 29 Oct 2018 10:29

Tgt Ion: 94 Resp: 18878

Ion Ratio Lower Upper

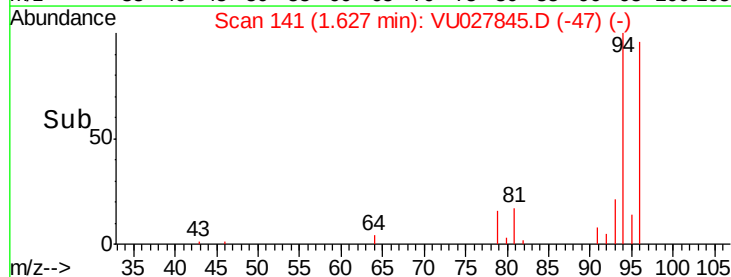
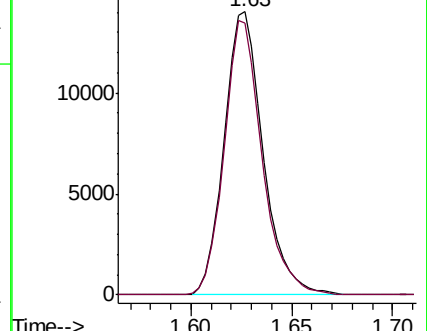
94 100

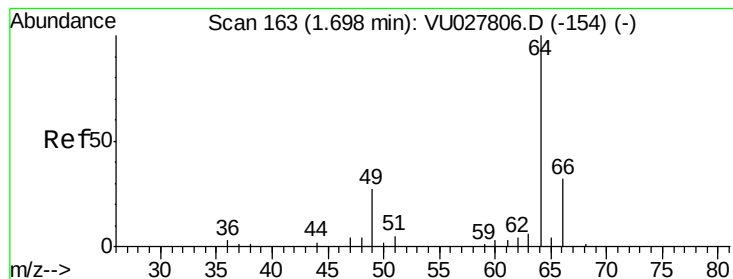
96 96.2 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 43.581 ug/L

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU027845.D

Acq: 29 Oct 2018 10:29

Instrument :

MSVOA_U

ClientSampleId :

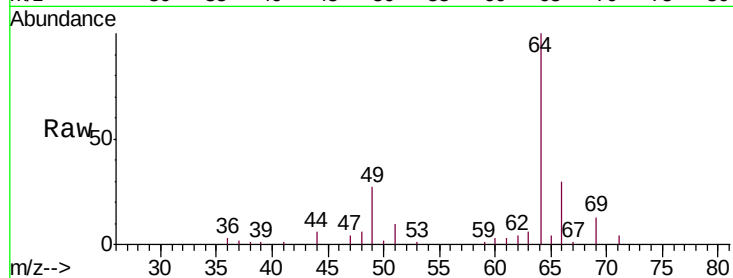
VSTD05008

Tgt Ion: 64 Resp: 23712

Ion Ratio Lower Upper

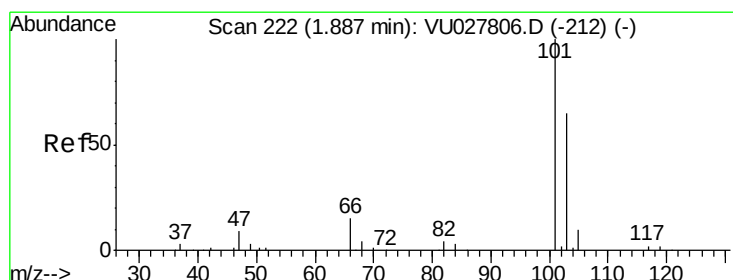
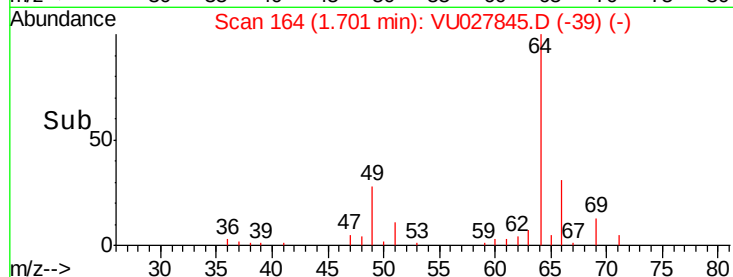
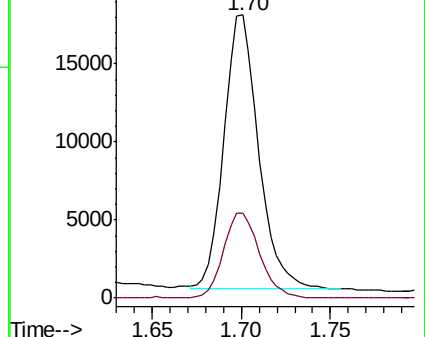
64 100

66 29.9 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: 45.279 ug/L

RT: 1.89 min Scan# 222

Delta R.T. -0.00 min

Lab File: VU027845.D

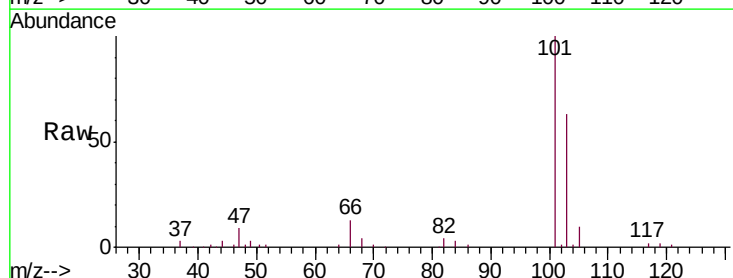
Acq: 29 Oct 2018 10:29

Tgt Ion: 101 Resp: 54995

Ion Ratio Lower Upper

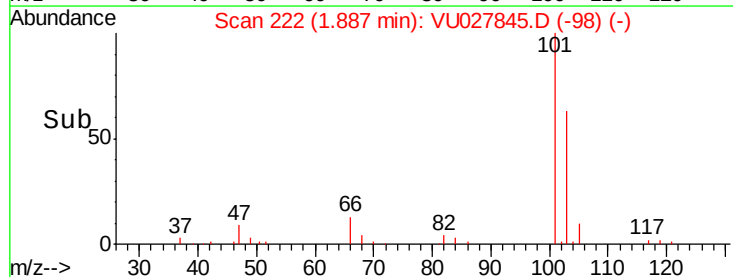
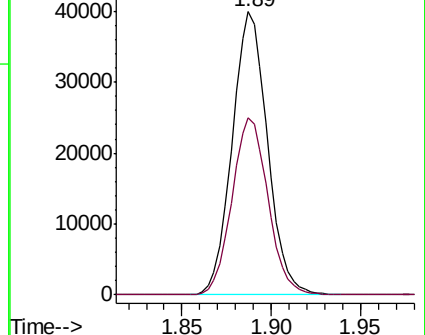
101 100

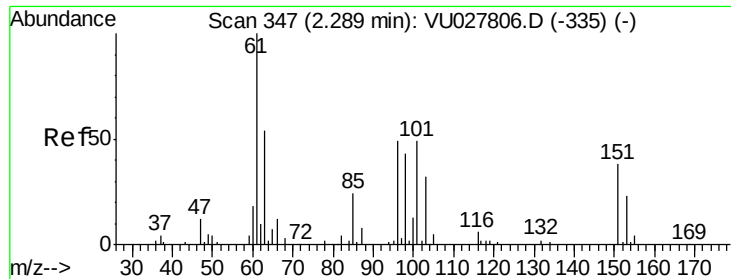
103 63.8 51.0 76.4



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: 45.668 ug/L

RT: 2.29 min Scan# 347

Delta R.T. -0.00 min

Lab File: VU027845.D

Acq: 29 Oct 2018 10:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD05008

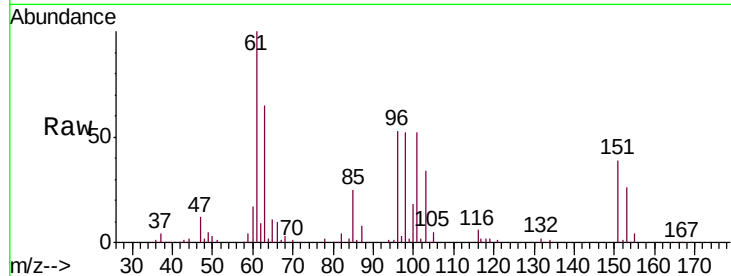
Tgt Ion:101 Resp: 30374

Ion Ratio Lower Upper

101 100

85 45.8 36.7 55.1

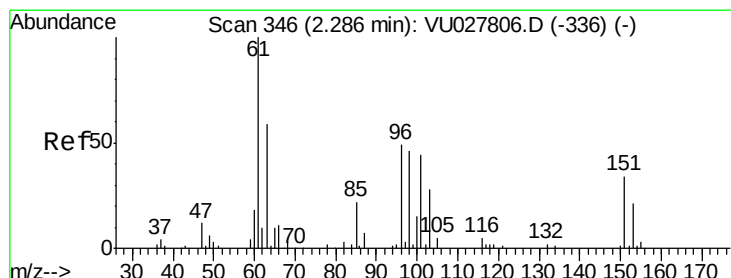
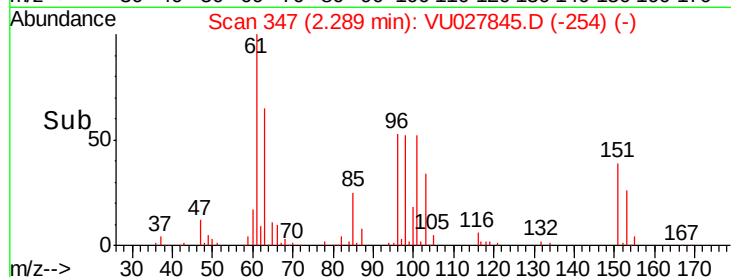
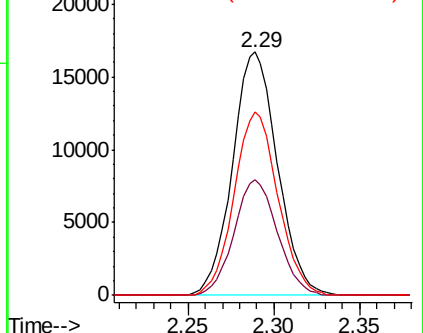
151 73.6 62.0 93.0



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: 45.155 ug/L

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027845.D

Acq: 29 Oct 2018 10:29

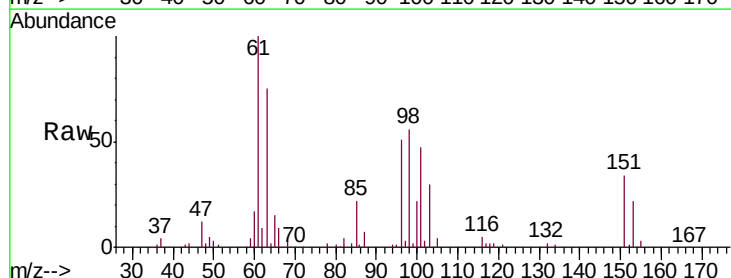
Tgt Ion: 96 Resp: 28087

Ion Ratio Lower Upper

96 100

61 194.2 137.3 255.1

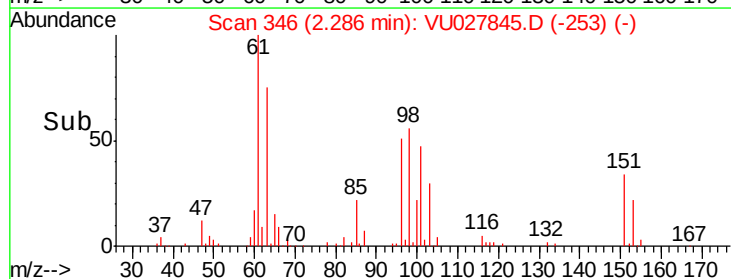
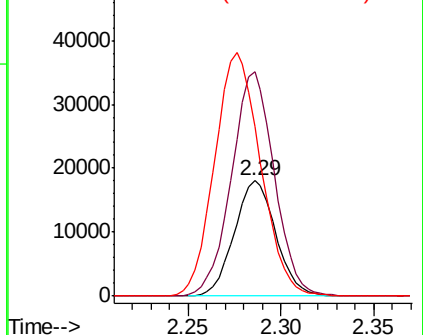
63 146.3 109.8 204.0

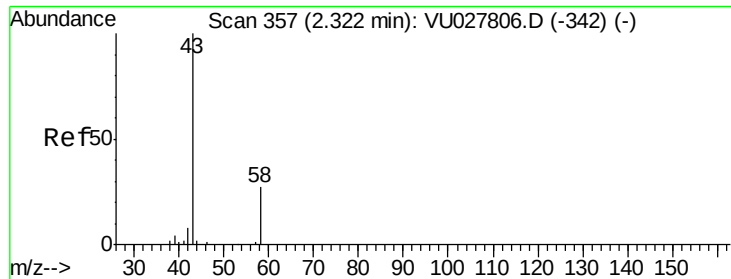


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 113.222 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027845.D

Acq: 29 Oct 2018 10:29

Instrument :

MSVOA_U

ClientSampleId :

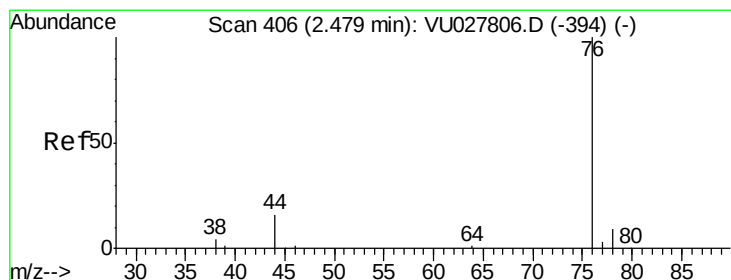
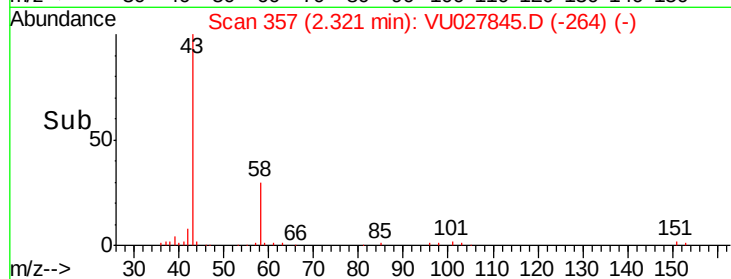
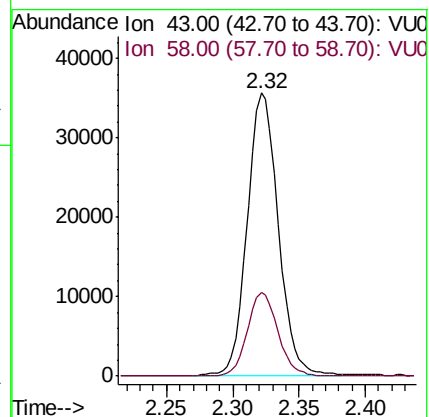
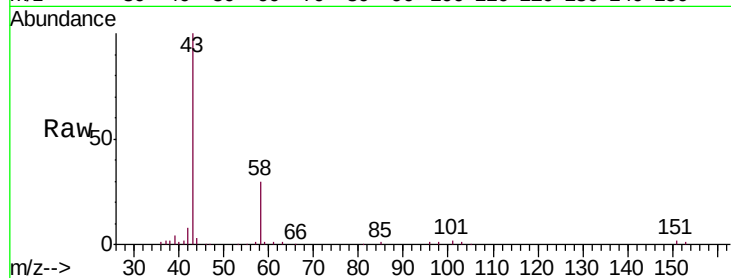
VSTD05008

Tgt Ion: 43 Resp: 58375

Ion Ratio Lower Upper

43 100

58 29.0 0.0 57.4



#14

Carbon disulfide

Concen: 41.964 ug/L

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU027845.D

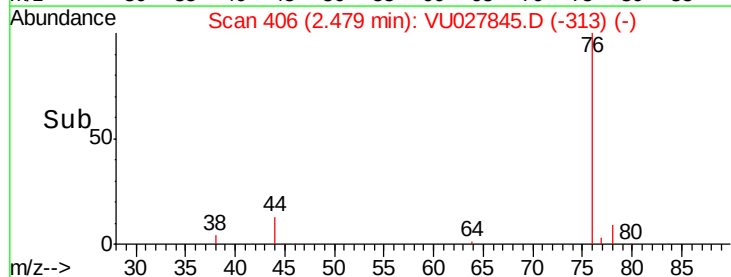
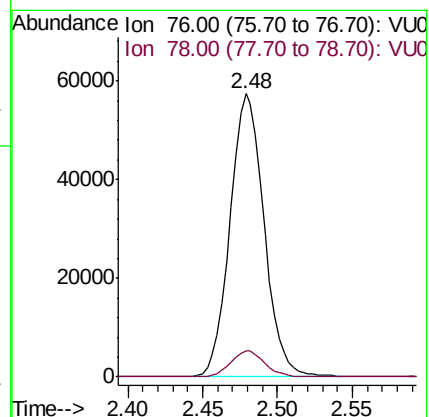
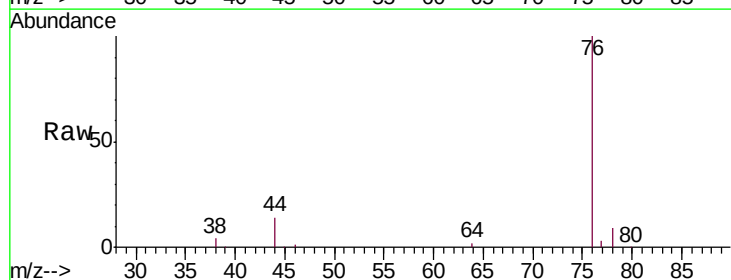
Acq: 29 Oct 2018 10:29

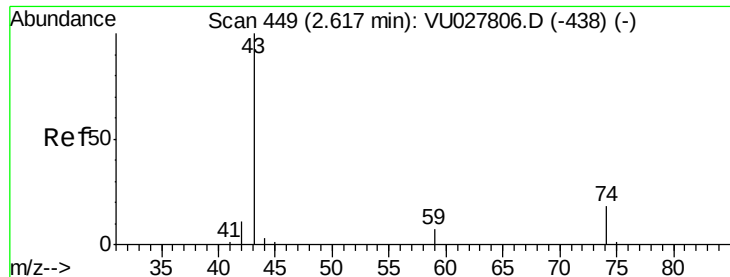
Tgt Ion: 76 Resp: 90887

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3

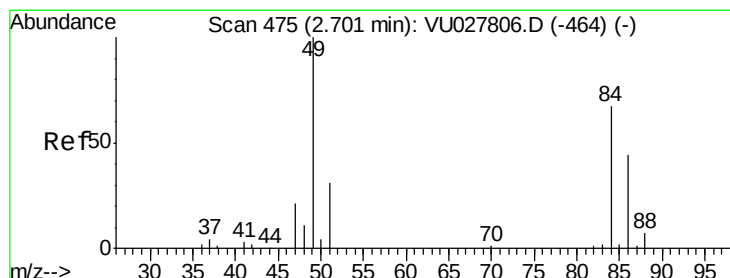
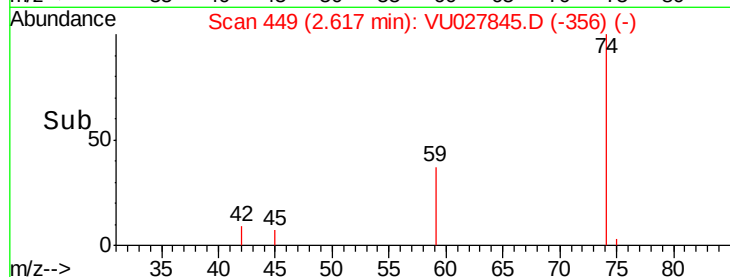
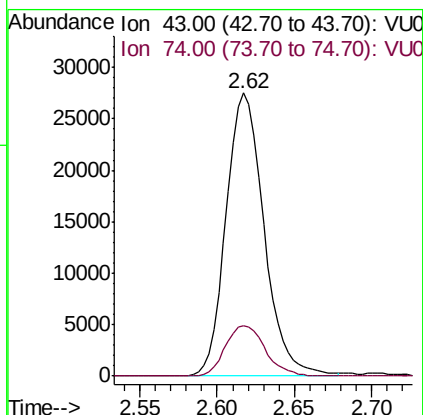
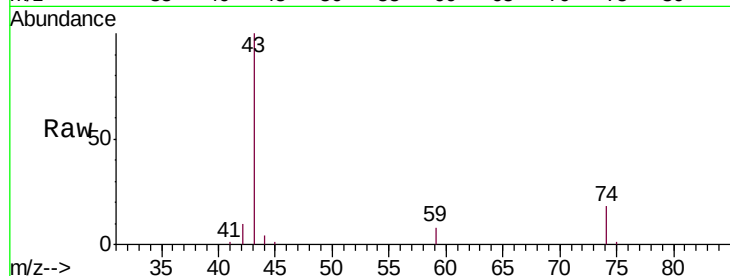




#15
Methyl Acetate
Concen: 43.224 ug/L
RT: 2.62 min Scan# 449
Delta R.T. -0.00 min
Lab File: VU027845.D
Acq: 29 Oct 2018 10:29

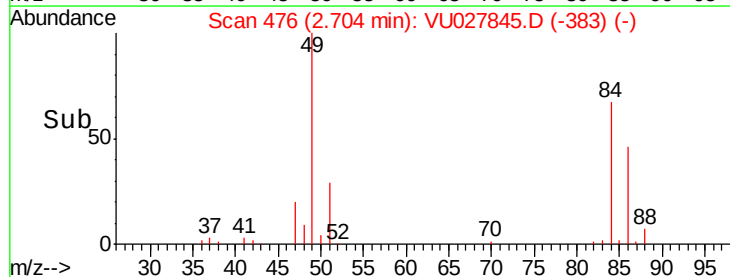
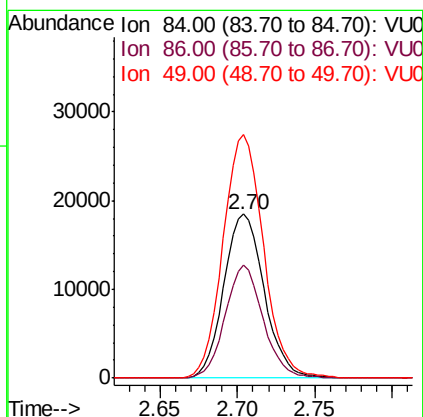
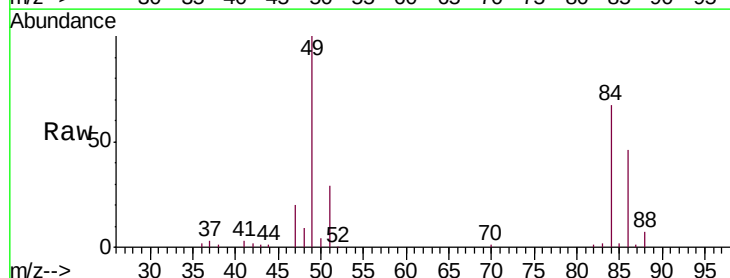
Instrument :
MSVOA_U
ClientSampleId :
VSTD05008

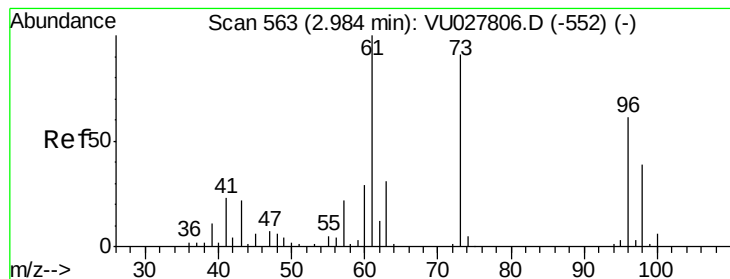
Tgt Ion: 43 Resp: 46899
Ion Ratio Lower Upper
43 100
74 18.7 15.1 22.7



#16
Methylene chloride
Concen: 43.549 ug/L
RT: 2.70 min Scan# 476
Delta R.T. -0.00 min
Lab File: VU027845.D
Acq: 29 Oct 2018 10:29

Tgt Ion: 84 Resp: 33461
Ion Ratio Lower Upper
84 100
86 68.9 42.8 79.6
49 148.5 100.0 185.6





#17

trans-1,2-Dichloroethene

Concen: 43.628 ug/L

RT: 2.99 min Scan# 564

Delta R.T. 0.00 min

Lab File: VU027845.D

Acq: 29 Oct 2018 10:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD05008

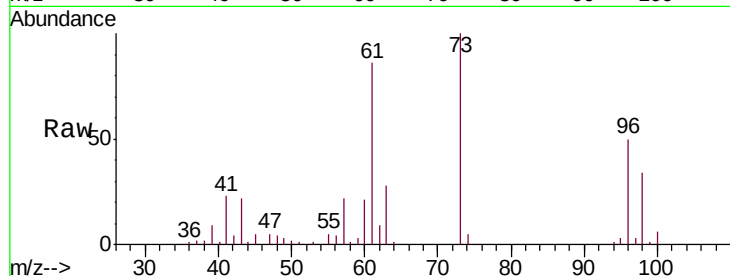
Tgt Ion: 96 Resp: 30019

Ion Ratio Lower Upper

96 100

61 169.8 114.7 212.9

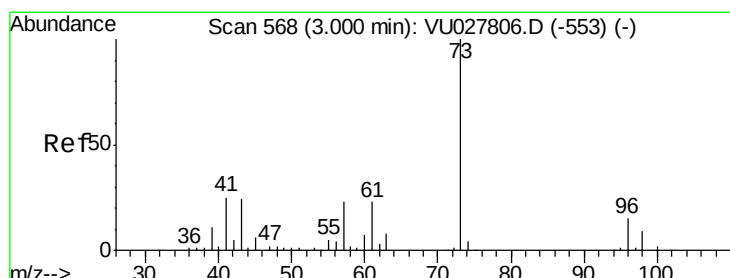
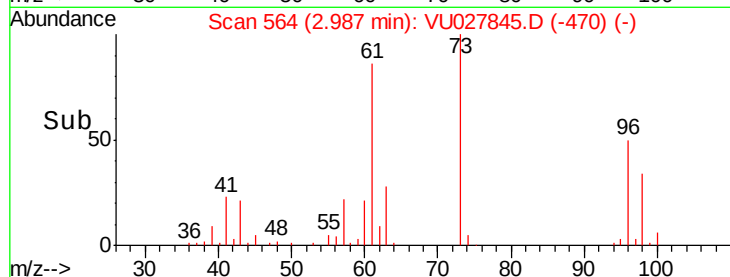
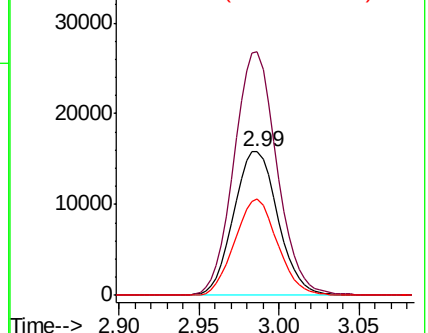
98 67.1 42.2 78.4



Abundance Ion 96.00 (95.70 to 96.70): VU027806.D (-552) (-)

Ion 61.00 (60.70 to 61.70): VU027806.D (-552) (-)

Ion 98.00 (97.70 to 98.70): VU027806.D (-552) (-)



#18

Methyl tert-butyl Ether

Concen: 44.793 ug/L

RT: 3.00 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU027845.D

Acq: 29 Oct 2018 10:29

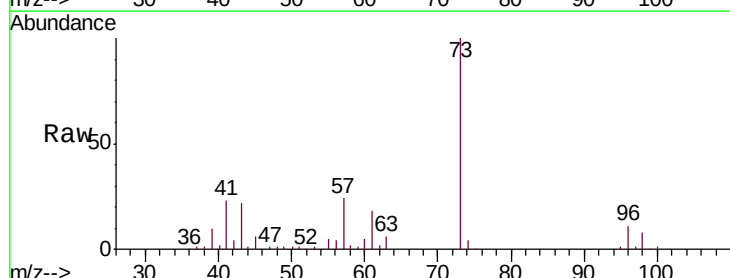
Tgt Ion: 73 Resp: 115199

Ion Ratio Lower Upper

73 100

43 22.0 18.3 27.5

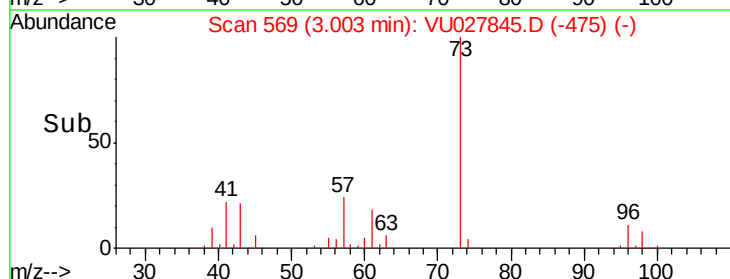
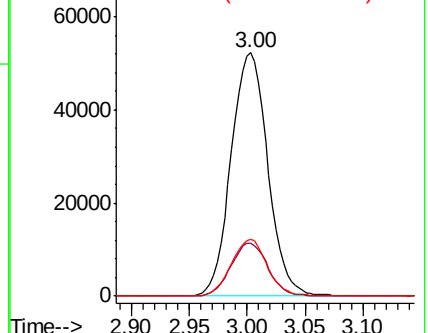
57 22.8 18.6 28.0

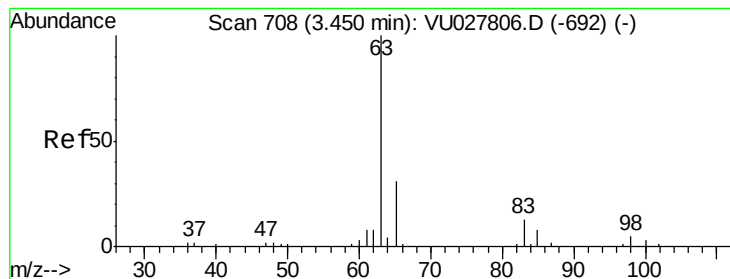


Abundance Ion 73.00 (72.70 to 73.70): VU027806.D (-553) (-)

Ion 43.00 (42.70 to 43.70): VU027806.D (-553) (-)

Ion 57.00 (56.70 to 57.70): VU027806.D (-553) (-)





#19

1,1-Dichloroethane

Concen: 44.488 ug/L

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU027845.D

Acq: 29 Oct 2018 10:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD05008

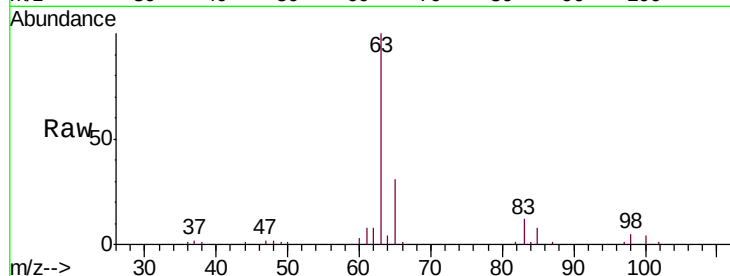
Tgt Ion: 63 Resp: 66427

Ion Ratio Lower Upper

63 100

65 31.3 22.2 41.2

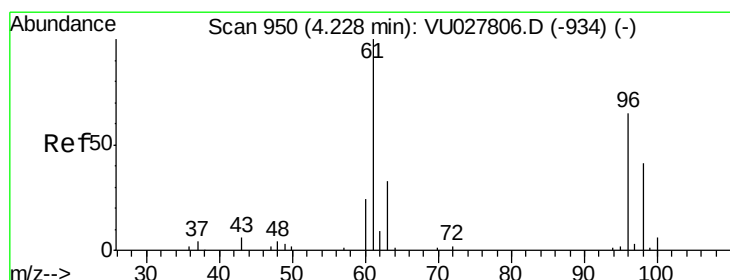
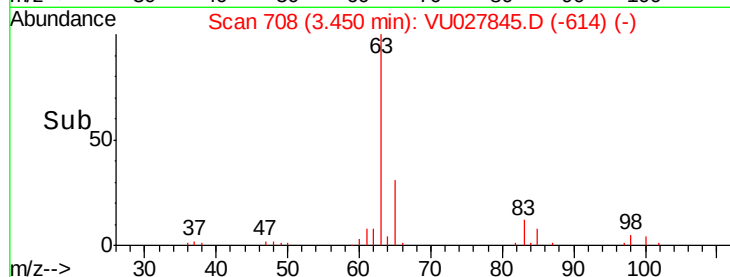
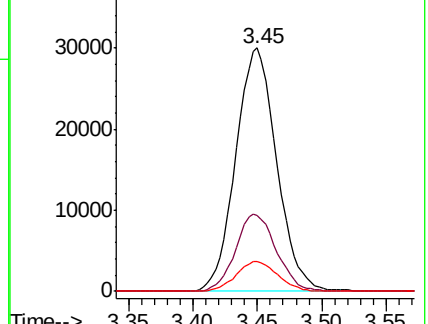
83 12.5 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VU027806.D (-692) (-)

Ion 65.00 (64.70 to 65.70): VU027806.D (-692) (-)

Ion 83.00 (82.70 to 83.70): VU027806.D (-692) (-)



#20

cis-1,2-Dichloroethene

Concen: 43.208 ug/L

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU027845.D

Acq: 29 Oct 2018 10:29

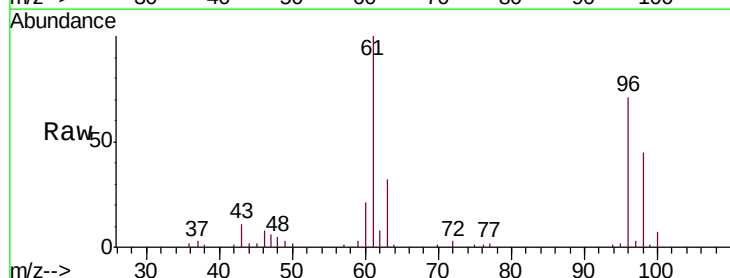
Tgt Ion: 96 Resp: 35171

Ion Ratio Lower Upper

96 100

61 140.6 104.2 193.4

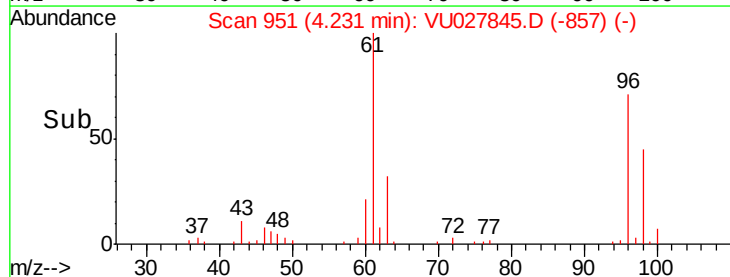
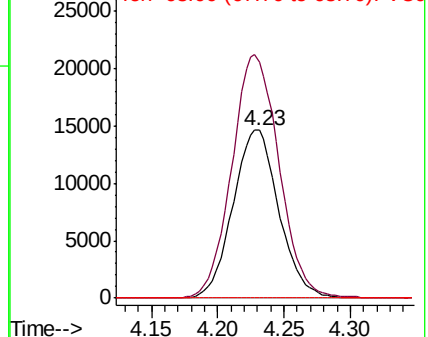
68 0.0 0.0 0.0

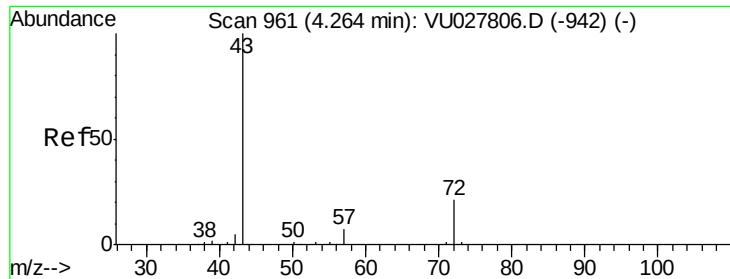


Abundance Ion 96.00 (95.70 to 96.70): VU027806.D (-934) (-)

Ion 61.00 (60.70 to 61.70): VU027806.D (-934) (-)

Ion 68.00 (67.70 to 68.70): VU027806.D (-934) (-)





#22

2-Butanone

Concen: 96.660 ug/L

RT: 4.26 min Scan# 961

Delta R.T. -0.00 min

Lab File: VU027845.D

Acq: 29 Oct 2018 10:29

Instrument :

MSVOA_U

ClientSampleId :

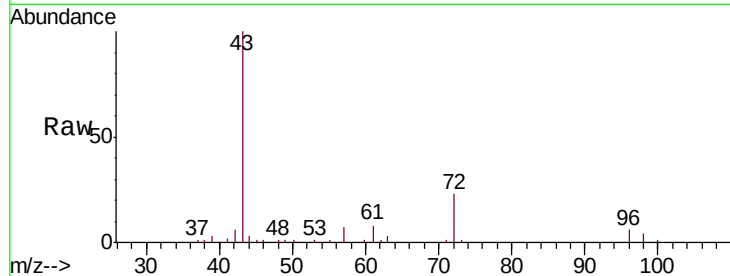
VSTD05008

Tgt Ion: 43 Resp: 74154

Ion Ratio Lower Upper

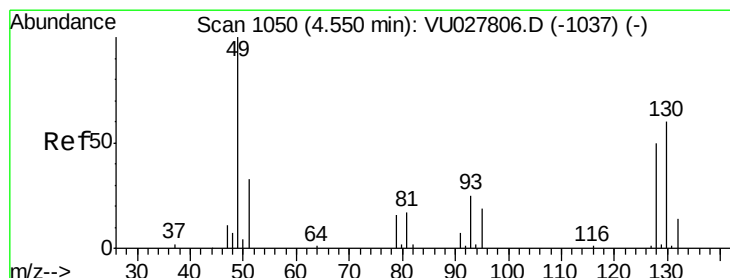
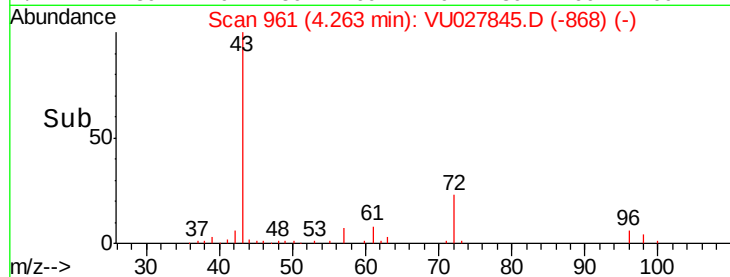
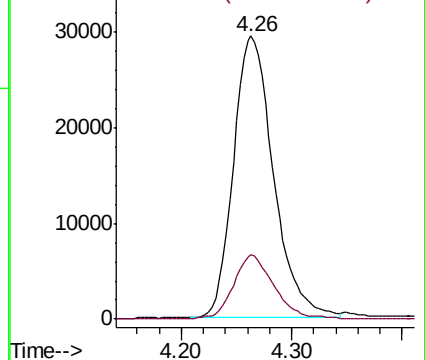
43 100

72 22.8 11.2 33.5



Abundance Ion 43.00 (42.70 to 43.70): VU027806.D (-942) (-)

Ion 72.00 (71.70 to 72.70): VU027806.D (-942) (-)



#23

Bromochloromethane

Concen: 45.461 ug/L

RT: 4.55 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU027845.D

Acq: 29 Oct 2018 10:29

Tgt Ion: 128 Resp: 17279

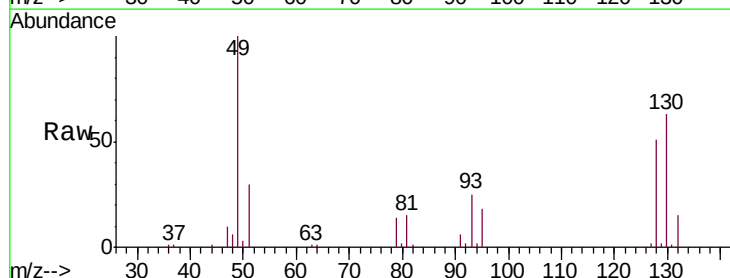
Ion Ratio Lower Upper

128 100

49 194.4 136.2 253.0

130 123.3 86.0 159.6

51 59.0 48.8 73.2

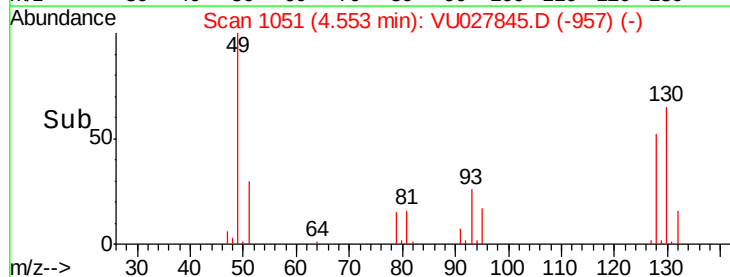
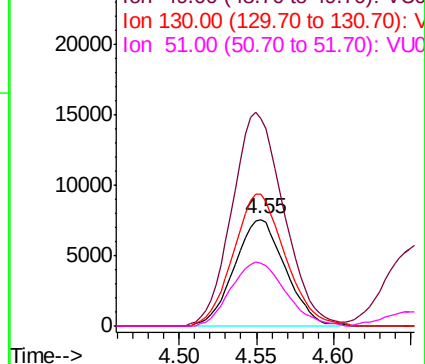


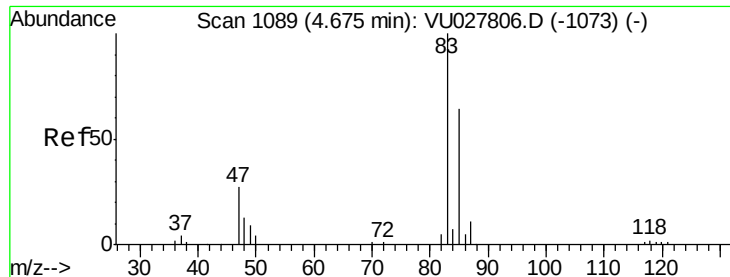
Abundance Ion 128.00 (127.70 to 128.70): VU027806.D (-1037) (-)

Ion 49.00 (48.70 to 49.70): VU027806.D (-1037) (-)

Ion 130.00 (129.70 to 130.70): VU027806.D (-1037) (-)

Ion 51.00 (50.70 to 51.70): VU027806.D (-1037) (-)

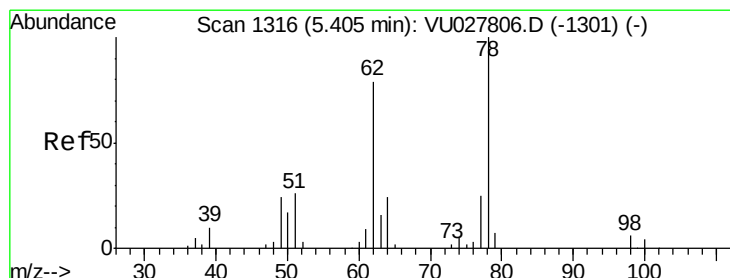
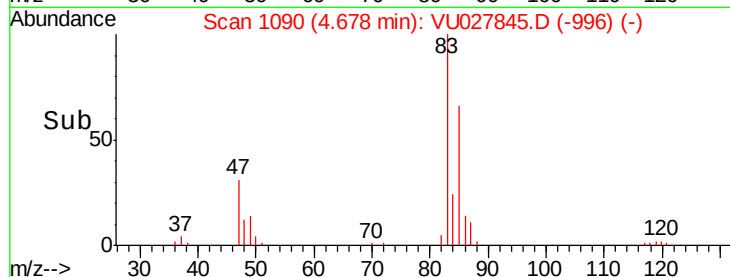
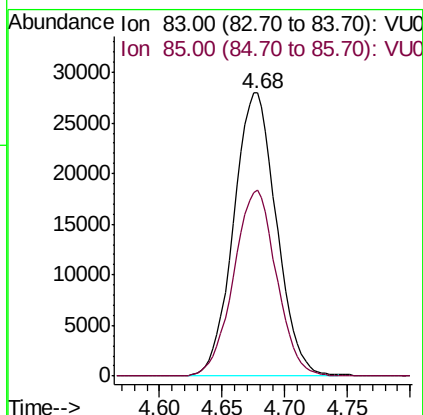
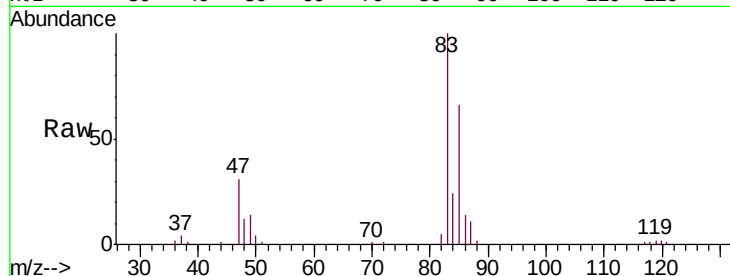




#25
Chloroform
Concen: 45.759 ug/L
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU027845.D
Acq: 29 Oct 2018 10:29

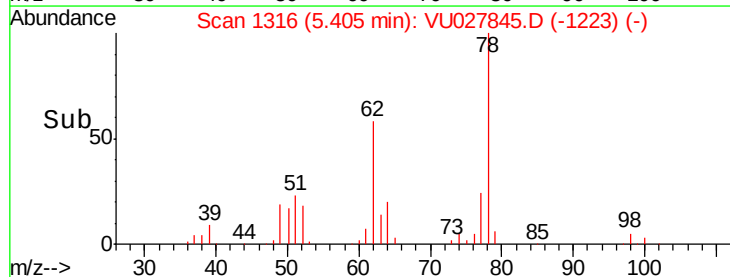
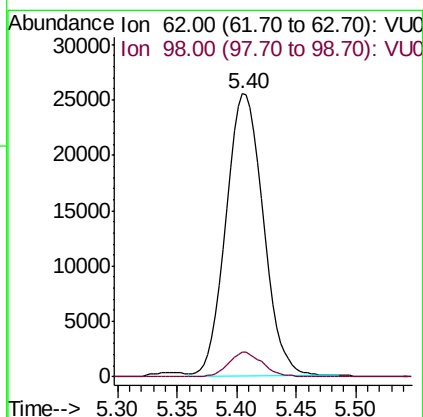
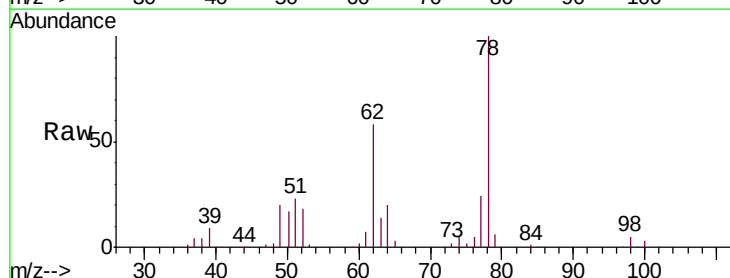
Instrument :
MSVOA_U
ClientSampleId :
VSTD05008

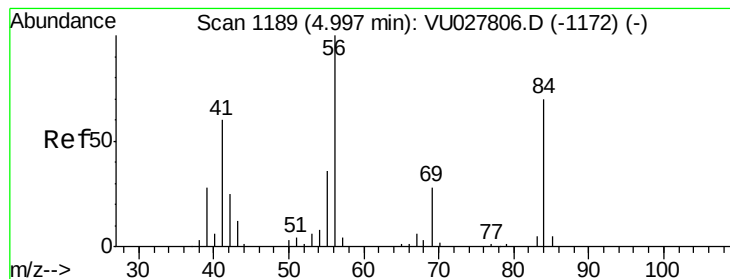
Tgt Ion: 83 Resp: 66304
Ion Ratio Lower Upper
83 100
85 65.5 45.4 84.4



#27
1,2-Dichloroethane
Concen: 44.188 ug/L
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027845.D
Acq: 29 Oct 2018 10:29

Tgt Ion: 62 Resp: 55567
Ion Ratio Lower Upper
62 100
98 8.6 6.3 9.5





#29

Cyclohexane

Concen: 44.174 ug/L

RT: 5.00 min Scan# 1190

Delta R.T. 0.00 min

Lab File: VU027845.D

Acq: 29 Oct 2018 10:29

Instrument :
MSVOA_U
ClientSampleId :
VSTD05008

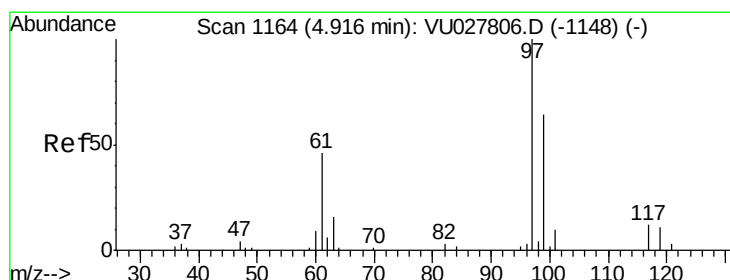
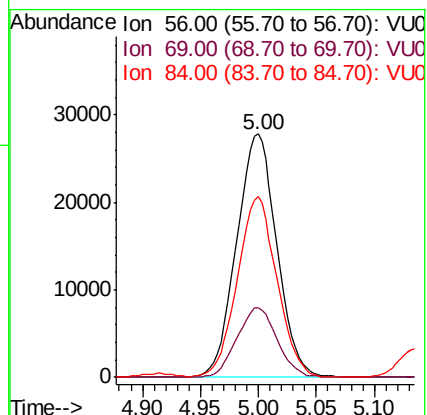
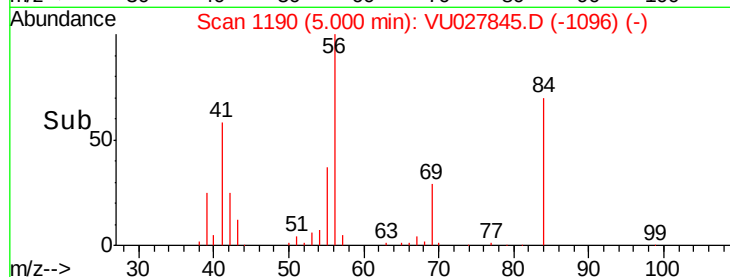
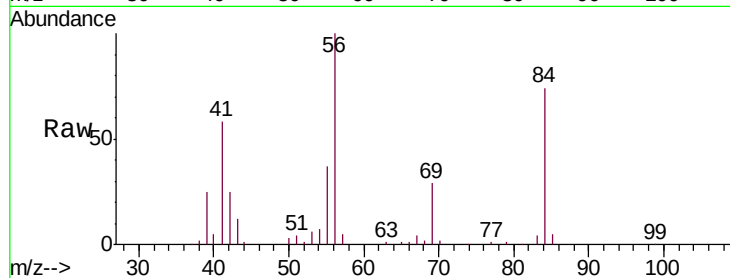
Tgt Ion: 56 Resp: 66831

Ion Ratio Lower Upper

56 100

69 28.5 22.5 33.7

84 73.3 58.5 87.7



#30

1,1,1-Trichloroethane

Concen: 45.351 ug/L

RT: 4.92 min Scan# 1165

Delta R.T. 0.00 min

Lab File: VU027845.D

Acq: 29 Oct 2018 10:29

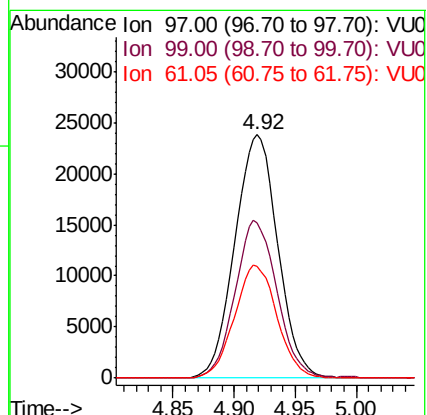
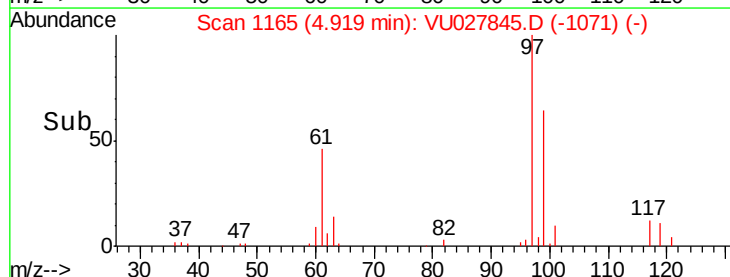
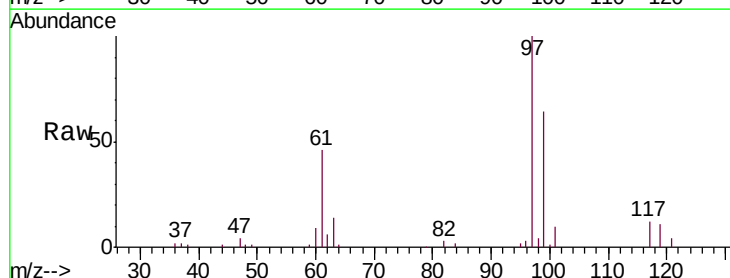
Tgt Ion: 97 Resp: 58021

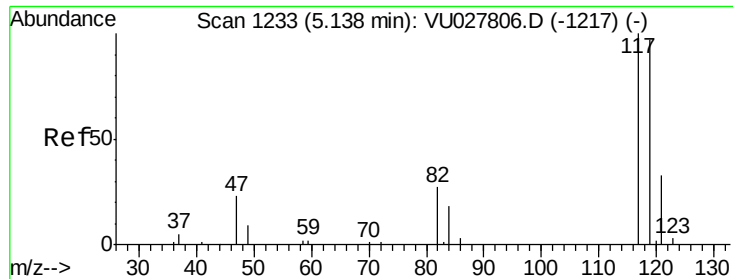
Ion Ratio Lower Upper

97 100

99 63.0 51.7 77.5

61 46.0 37.5 56.3





#31

Carbon tetrachloride

Concen: 43.395 ug/L

RT: 5.14 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VU027845.D

Acq: 29 Oct 2018 10:29

Instrument :

MSVOA_U

ClientSampleId :

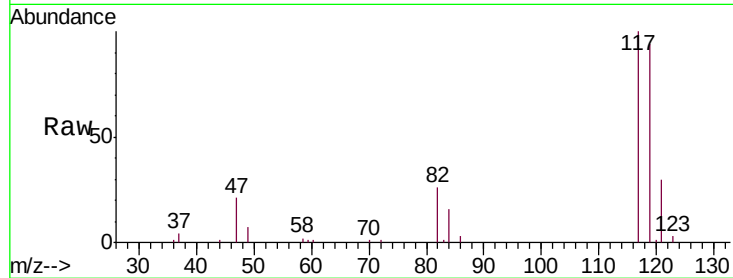
VSTD05008

Tgt Ion:117 Resp: 49961

Ion Ratio Lower Upper

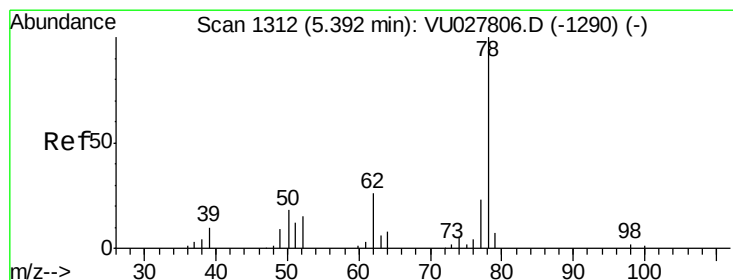
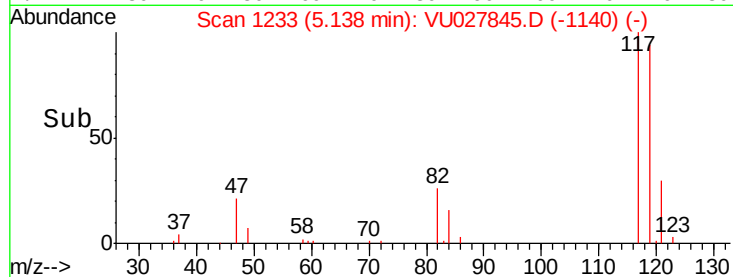
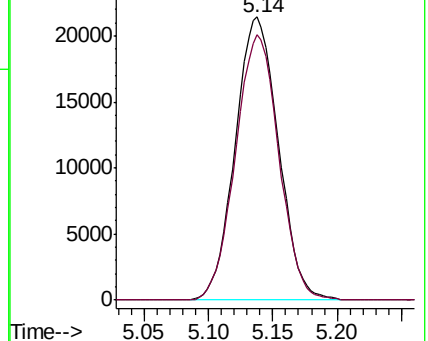
117 100

119 94.0 75.6 113.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 44.934 ug/L

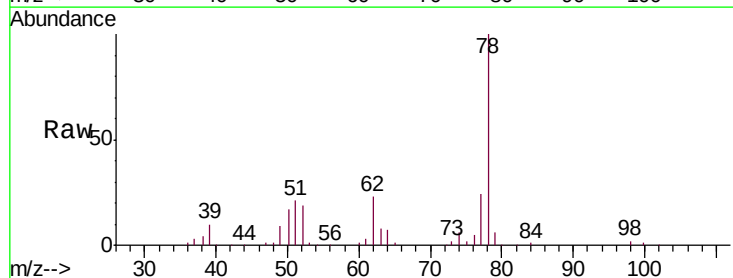
RT: 5.39 min Scan# 1312

Delta R.T. -0.00 min

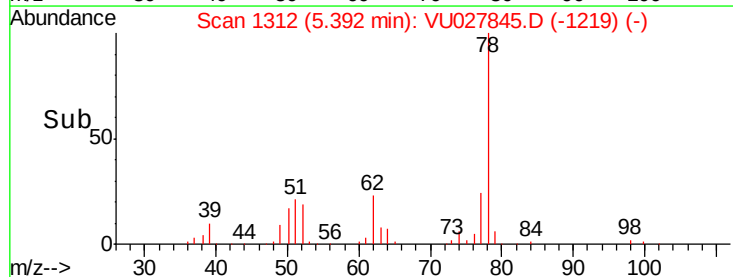
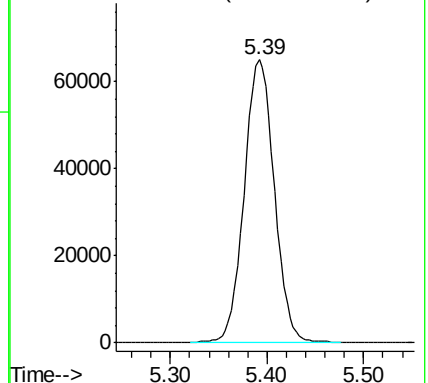
Lab File: VU027845.D

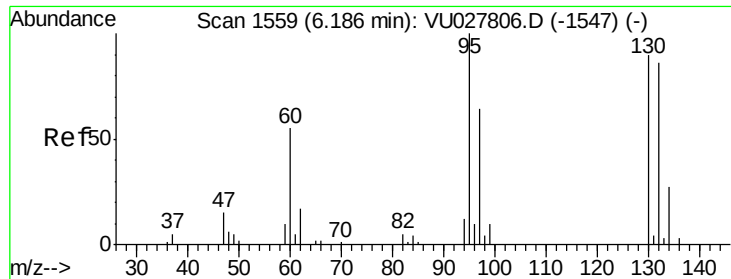
Acq: 29 Oct 2018 10:29

Tgt Ion: 78 Resp: 141091



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 44.269 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027845.D

Acq: 29 Oct 2018 10:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD05008

Tgt Ion: 95 Resp: 34799

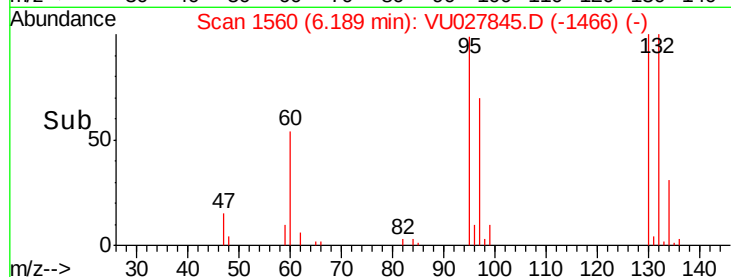
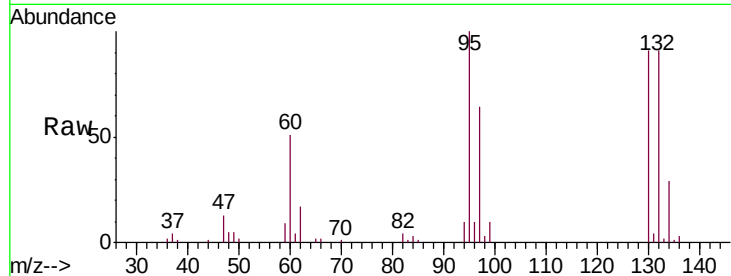
Ion Ratio Lower Upper

95 100

97 64.0 45.8 85.2

132 90.8 62.1 115.3

130 91.2 65.0 120.6

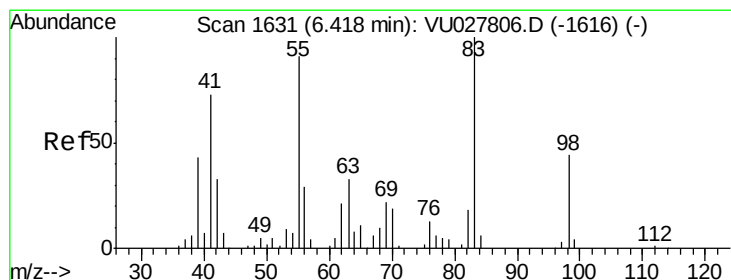
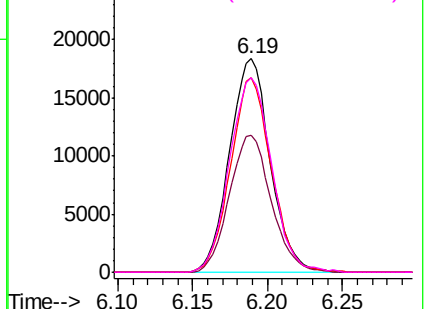


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 44.776 ug/L

RT: 6.42 min Scan# 1631

Delta R.T. -0.00 min

Lab File: VU027845.D

Acq: 29 Oct 2018 10:29

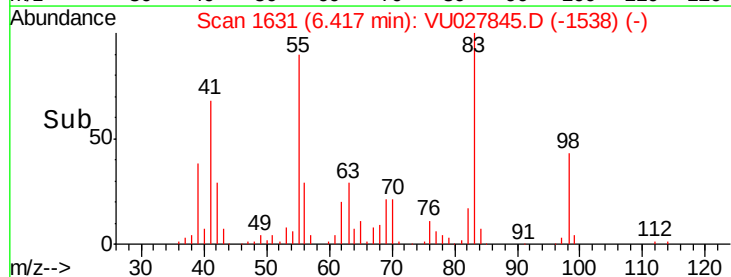
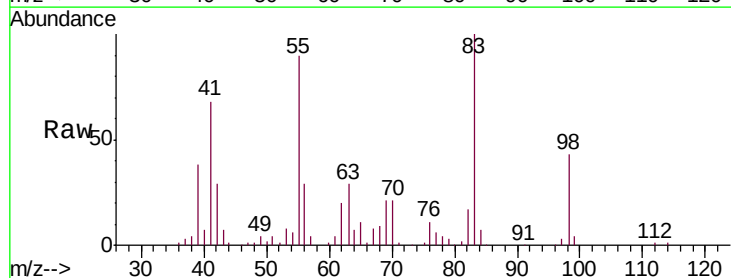
Tgt Ion: 83 Resp: 60872

Ion Ratio Lower Upper

83 100

55 89.4 71.9 107.9

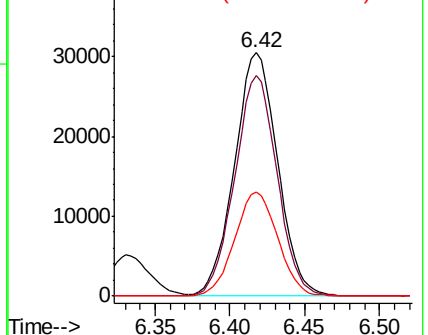
98 43.0 34.6 52.0

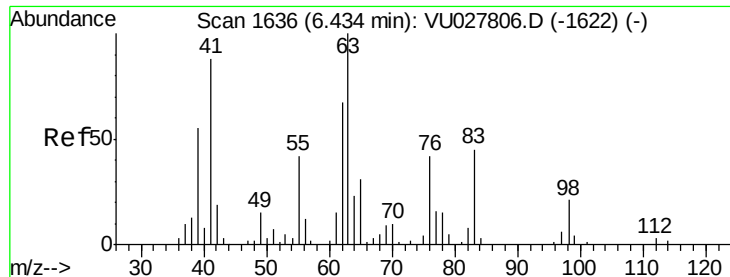


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

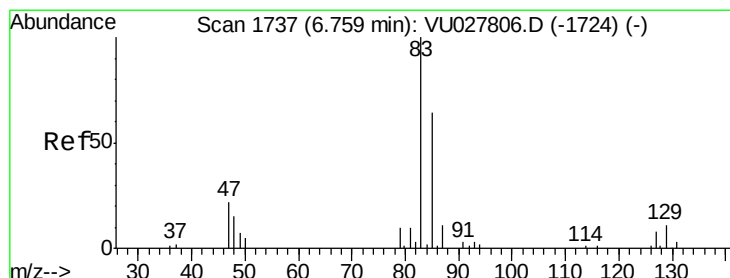
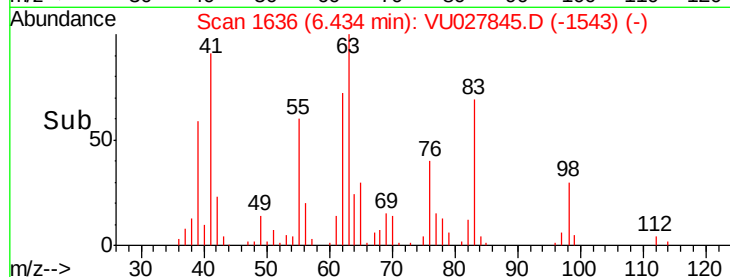
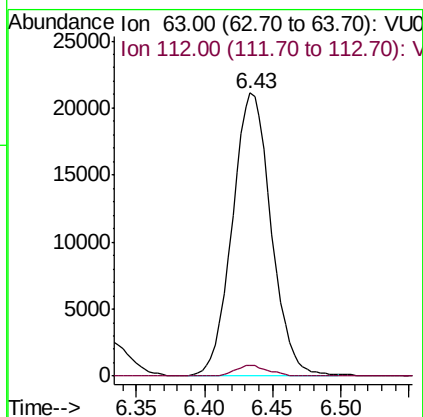
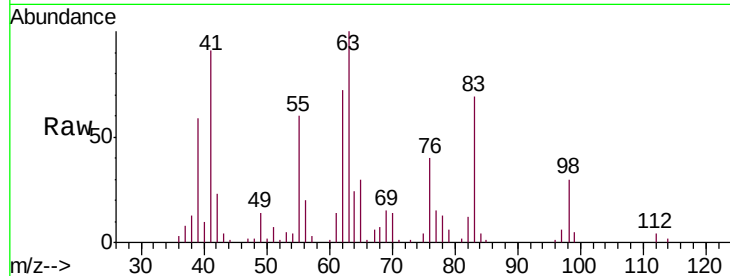




#37
 1,2-Dichloropropane
 Concen: 45.150 ug/L
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU027845.D
 Acq: 29 Oct 2018 10:29

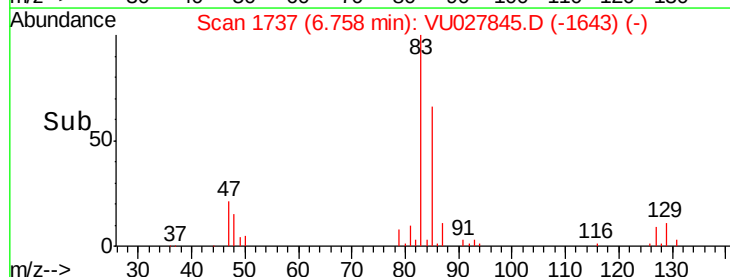
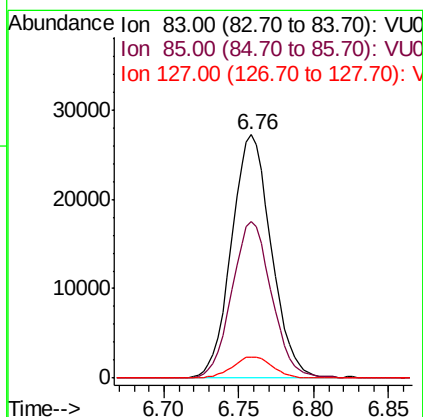
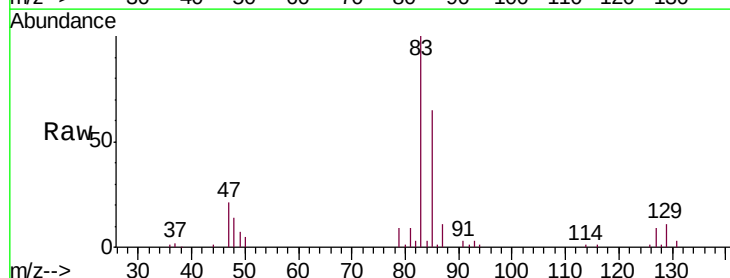
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05008

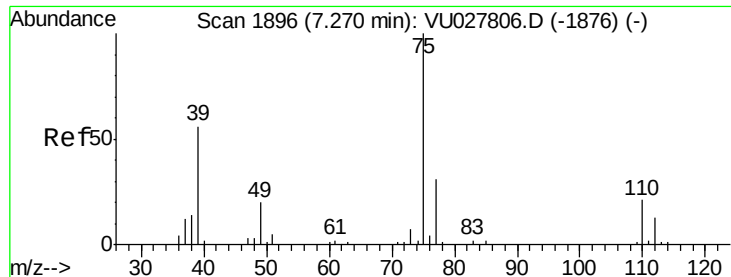
Tgt Ion: 63 Resp: 41888
 Ion Ratio Lower Upper
 63 100
 112 3.2 2.6 3.8



#38
 Bromodichloromethane
 Concen: 43.701 ug/L
 RT: 6.76 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: VU027845.D
 Acq: 29 Oct 2018 10:29

Tgt Ion: 83 Resp: 50382
 Ion Ratio Lower Upper
 83 100
 85 64.5 44.5 82.7
 127 8.7 6.2 9.2

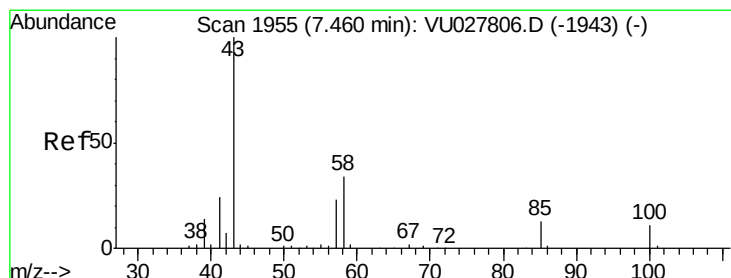
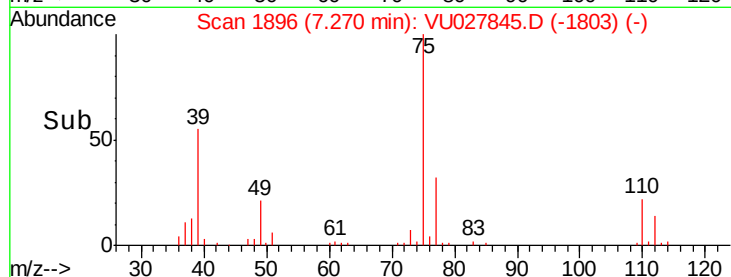
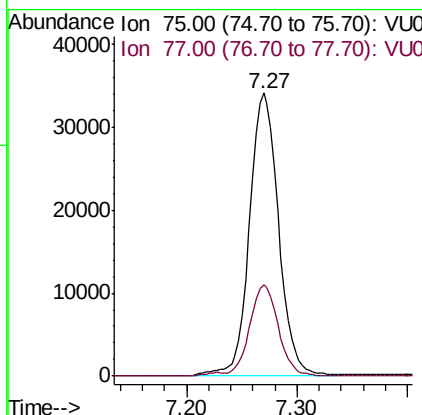
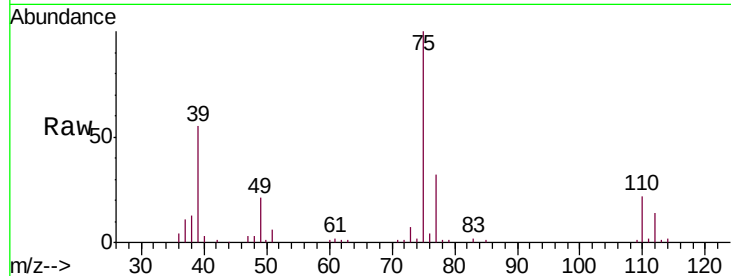




#39
 cis-1,3-Dichloropropene
 Concen: 43.747 ug/L
 RT: 7.27 min Scan# 1896
 Delta R.T. -0.00 min
 Lab File: VU027845.D
 Acq: 29 Oct 2018 10:29

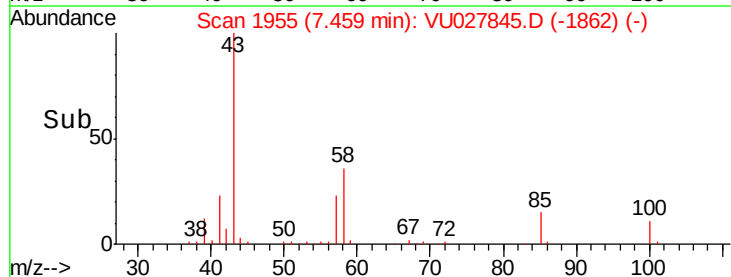
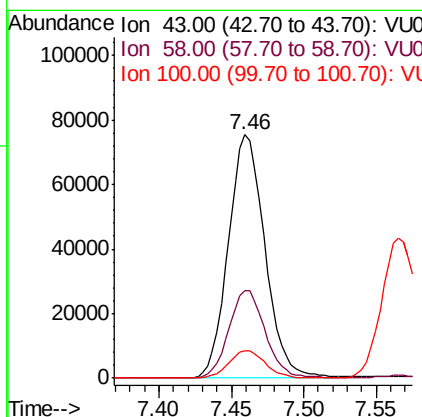
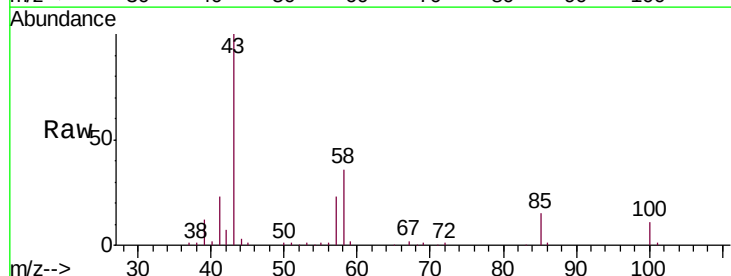
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05008

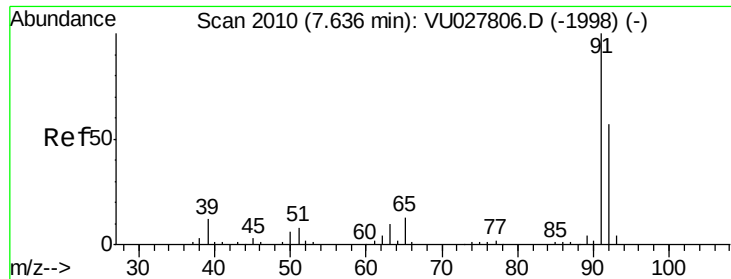
Tgt Ion: 75 Resp: 62493
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 88.879 ug/L
 RT: 7.46 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VU027845.D
 Acq: 29 Oct 2018 10:29

Tgt Ion: 43 Resp: 132524
 Ion Ratio Lower Upper
 43 100
 58 35.8 28.3 42.5
 100 11.2 9.1 13.7





#42

Toluene

Concen: 44.669 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU027845.D

Acq: 29 Oct 2018 10:29

Instrument :

MSVOA_U

ClientSampleId :

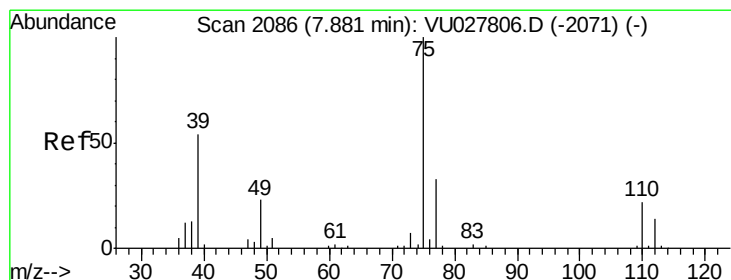
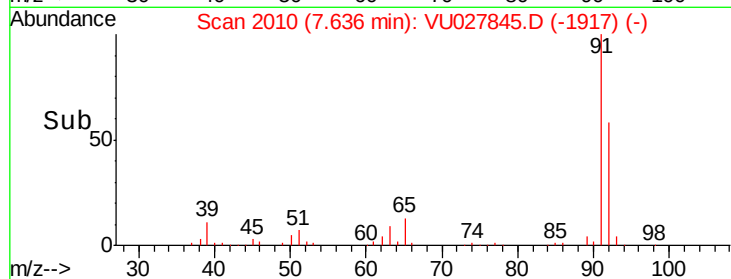
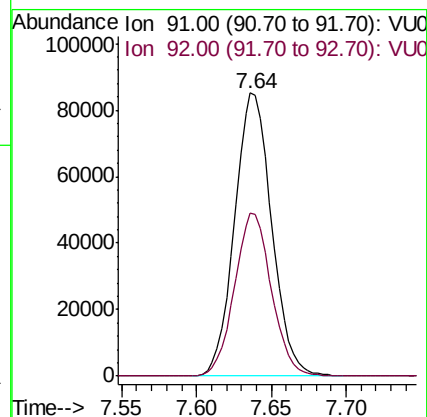
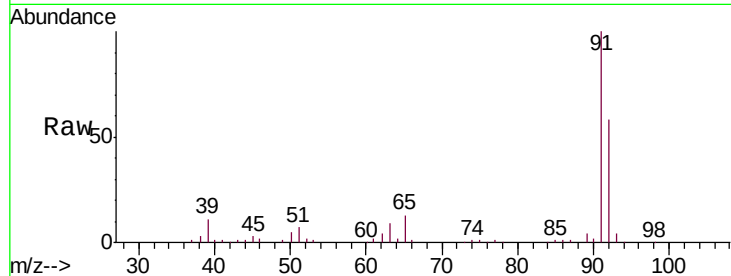
VSTD05008

Tgt Ion: 91 Resp: 146890

Ion Ratio Lower Upper

91 100

92 57.6 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 43.990 ug/L

RT: 7.88 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VU027845.D

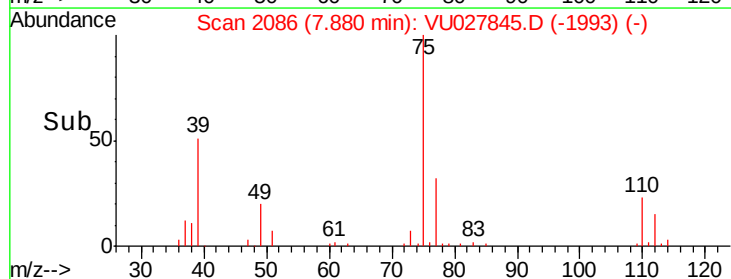
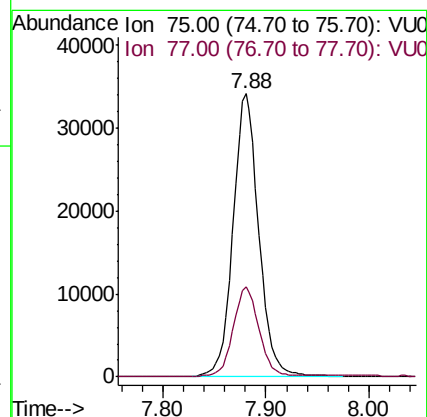
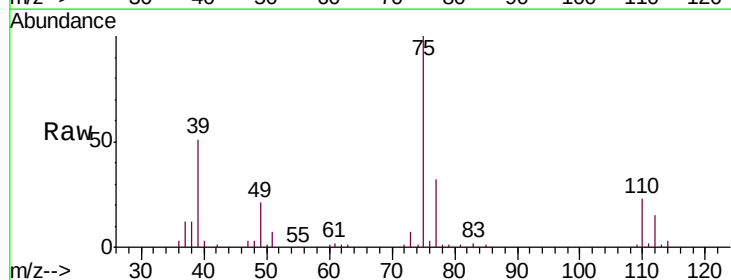
Acq: 29 Oct 2018 10:29

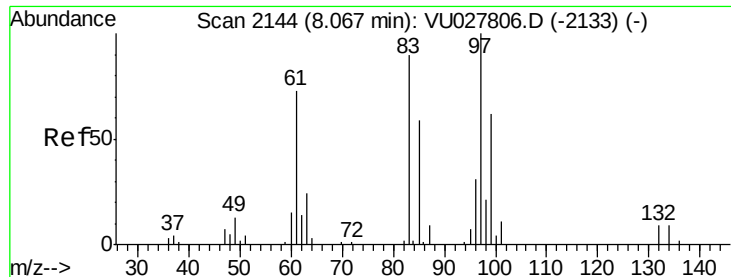
Tgt Ion: 75 Resp: 59444

Ion Ratio Lower Upper

75 100

77 31.7 22.8 42.4

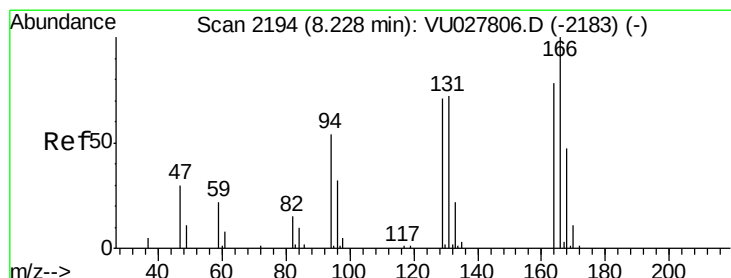
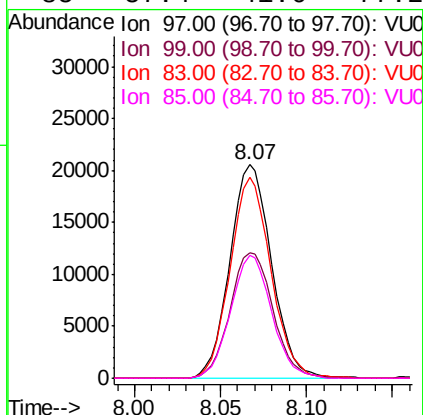
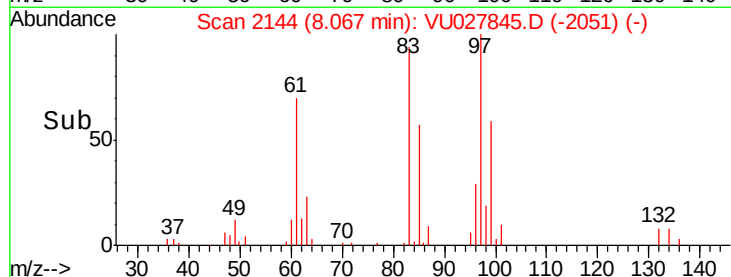
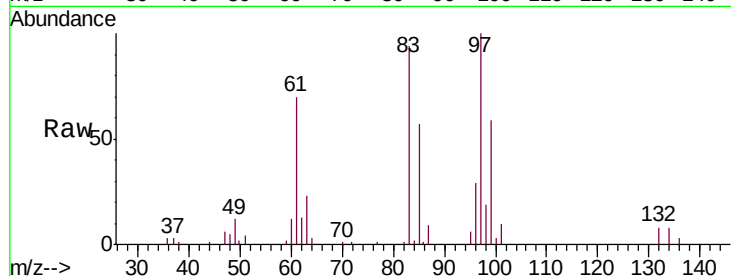




#45
 1,1,2-Trichloroethane
 Concen: 45.444 ug/L
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027845.D
 Acq: 29 Oct 2018 10:29

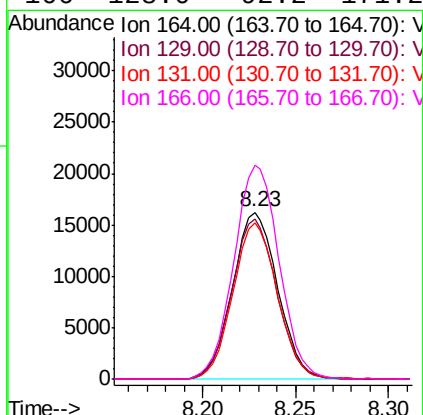
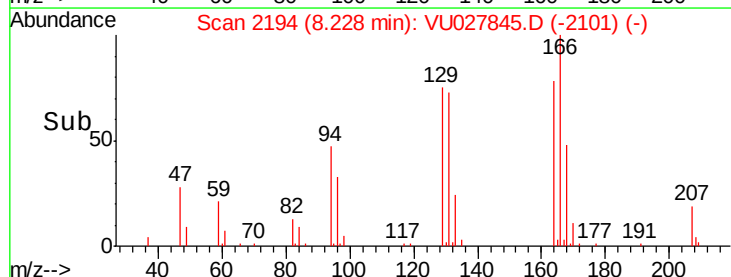
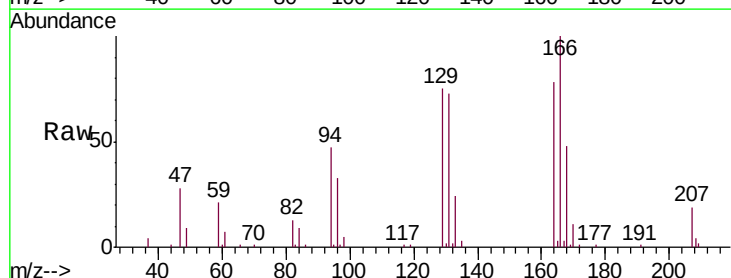
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05008

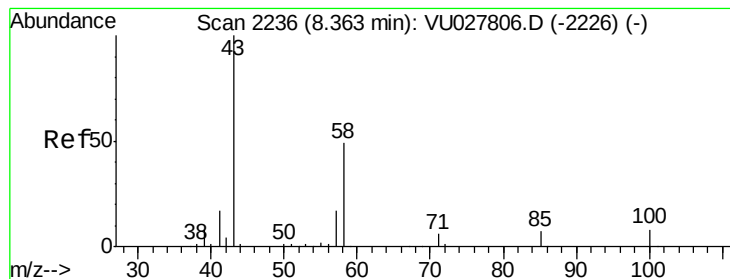
Tgt Ion:	97	Resp:	34825
Ion	Ratio	Lower	Upper
97	100		
99	58.8	42.6	79.2
83	93.8	62.4	115.8
85	57.4	41.6	77.2



#46
 Tetrachloroethene
 Concen: 45.231 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VU027845.D
 Acq: 29 Oct 2018 10:29

Tgt Ion:	164	Resp:	27458
Ion	Ratio	Lower	Upper
164	100		
129	95.6	68.5	127.3
131	93.3	67.1	124.5
166	128.0	92.2	171.2





#48

2-Hexanone

Concen: 91.416 ug/L

RT: 8.36 min Scan# 2236

Delta R.T. -0.00 min

Lab File: VU027845.D

Acq: 29 Oct 2018 10:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD05008

Tgt Ion: 43 Resp: 105707

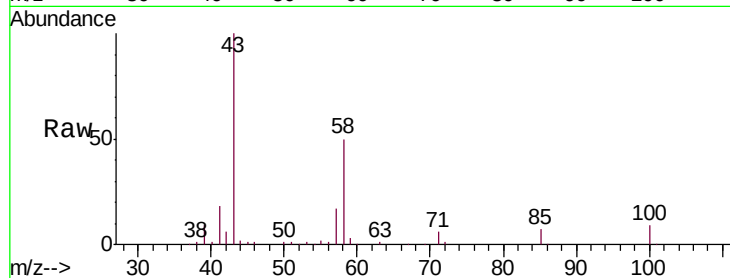
Ion Ratio Lower Upper

43 100

58 48.8 38.8 58.2

57 17.8 13.1 19.7

100 8.9 6.8 10.2

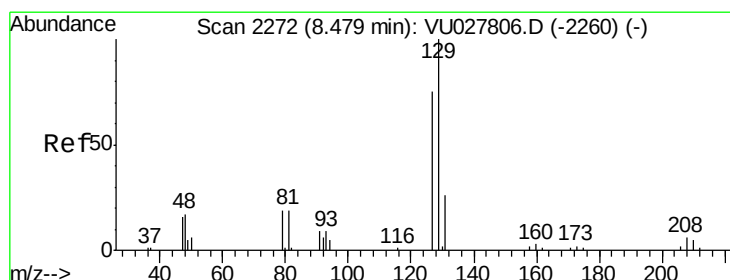
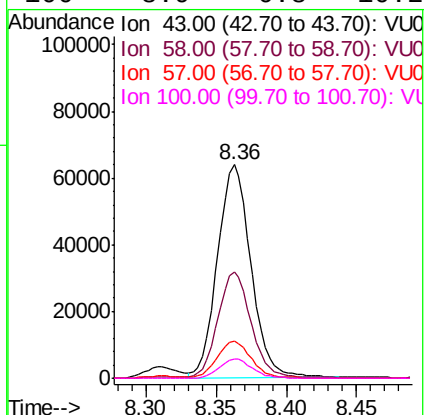
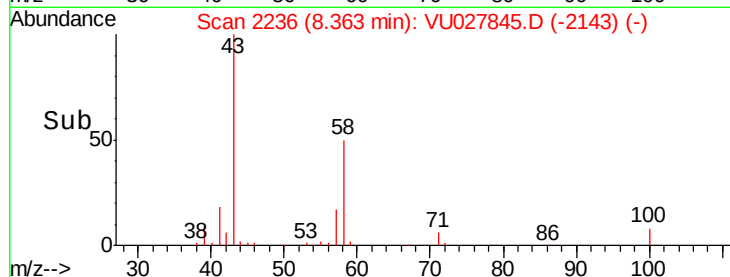


Abundance Ion 43.00 (42.70 to 43.70): VU027806.D (-2226) (-)

Ion 58.00 (57.70 to 58.70): VU027806.D (-2226) (-)

Ion 57.00 (56.70 to 57.70): VU027806.D (-2226) (-)

Ion 100.00 (99.70 to 100.70): VU027806.D (-2226) (-)



#49

Dibromochloromethane

Concen: 43.097 ug/L

RT: 8.48 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VU027845.D

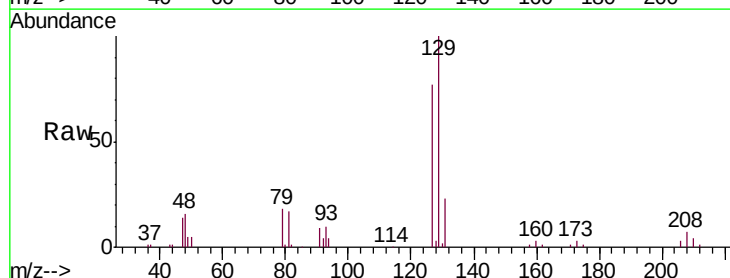
Acq: 29 Oct 2018 10:29

Tgt Ion: 129 Resp: 39134

Ion Ratio Lower Upper

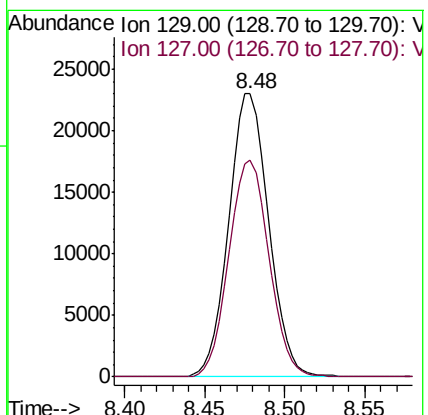
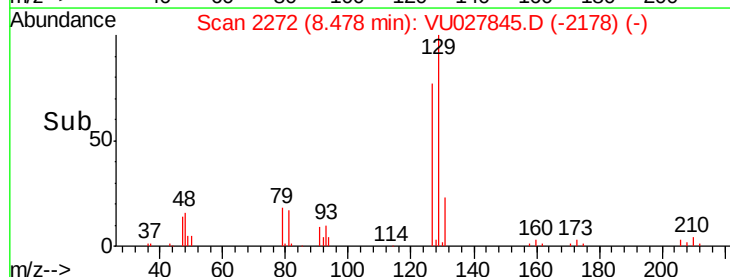
129 100

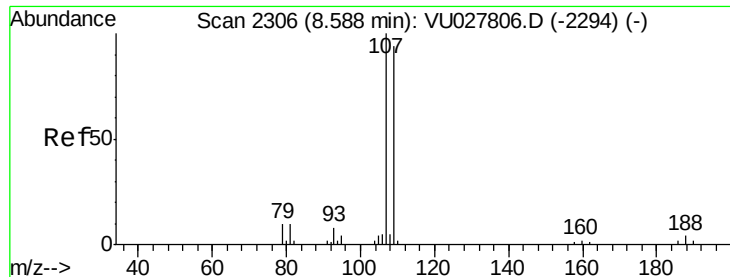
127 76.7 54.1 100.5



Abundance Ion 129.00 (128.70 to 129.70): VU027806.D (-2260) (-)

Ion 127.00 (126.70 to 127.70): VU027806.D (-2260) (-)

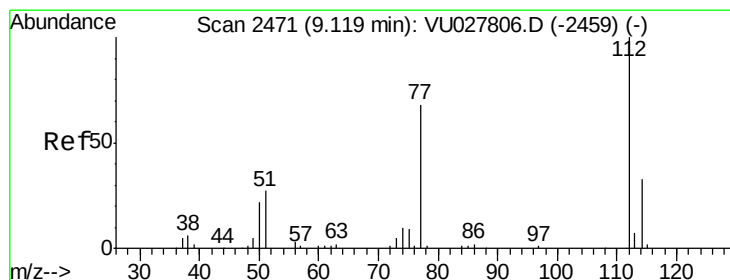
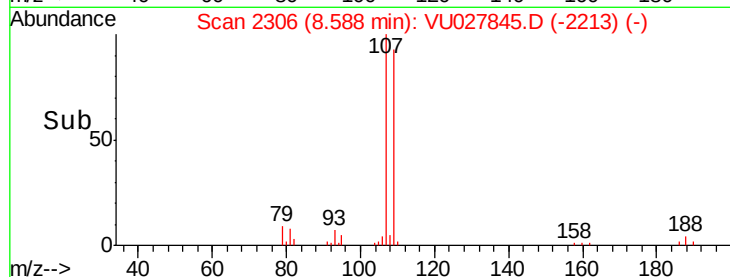
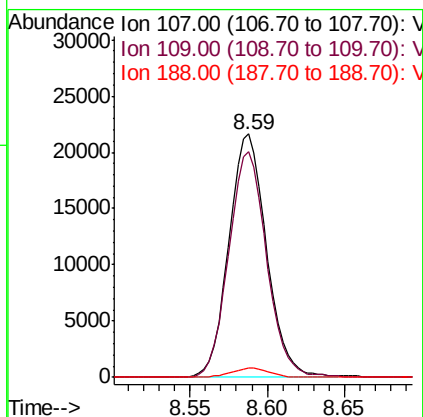
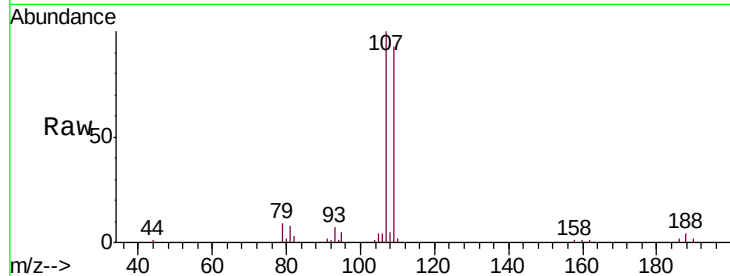




#50
1,2-Dibromoethane
Concen: 44.739 ug/L
RT: 8.59 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VU027845.D
Acq: 29 Oct 2018 10:29

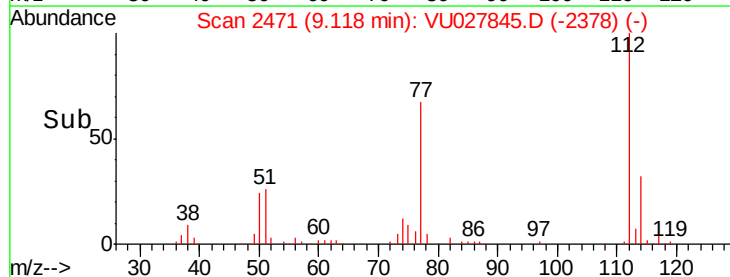
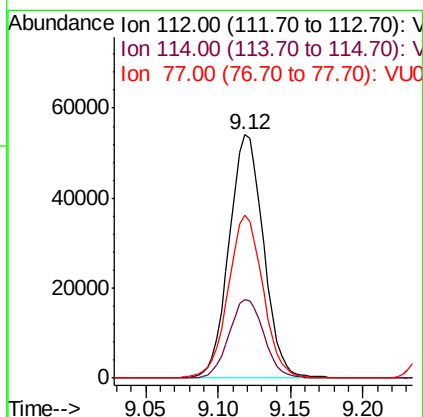
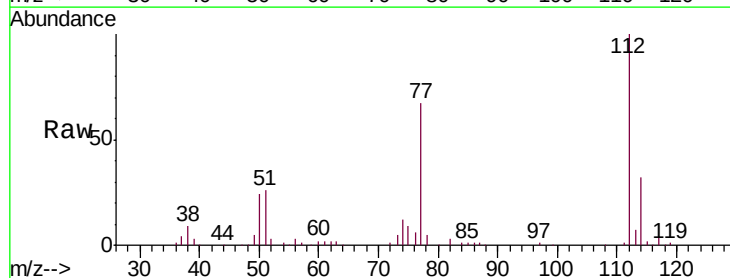
Instrument :
MSVOA_U
ClientSampleId :
VSTD05008

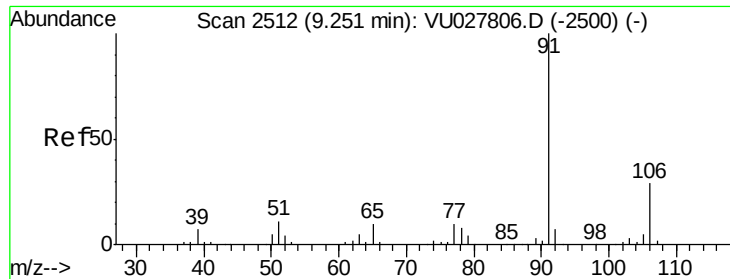
Tgt Ion:107 Resp: 36593
Ion Ratio Lower Upper
107 100
109 92.9 68.4 127.0
188 3.7 3.3 4.9



#51
Chlorobenzene
Concen: 44.207 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027845.D
Acq: 29 Oct 2018 10:29

Tgt Ion:112 Resp: 89122
Ion Ratio Lower Upper
112 100
114 32.5 21.9 40.7
77 66.8 52.2 78.2





#52

Ethylbenzene

Concen: 45.207 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU027845.D

Acq: 29 Oct 2018 10:29

Instrument :

MSVOA_U

ClientSampleId :

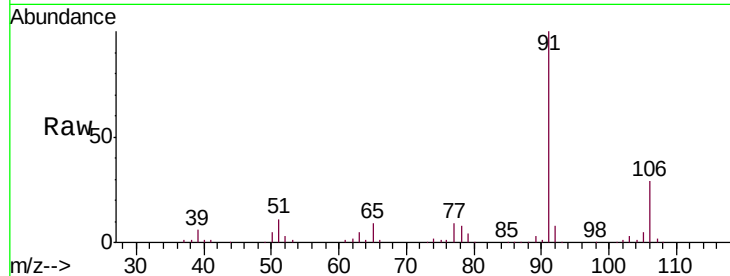
VSTD05008

Tgt Ion: 91 Resp: 168157

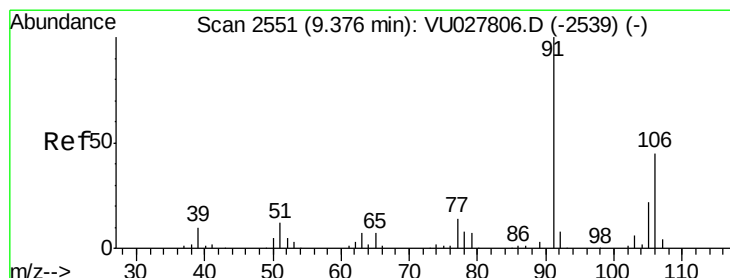
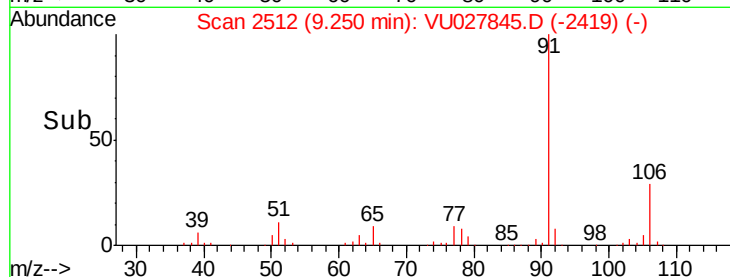
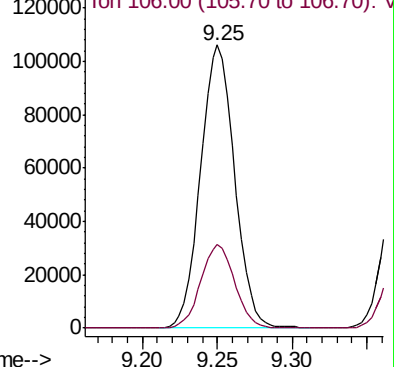
Ion Ratio Lower Upper

91 100

106 29.5 20.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VU027806.D (-2500) (-)



#53

m,p-Xylene

Concen: 44.777 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU027845.D

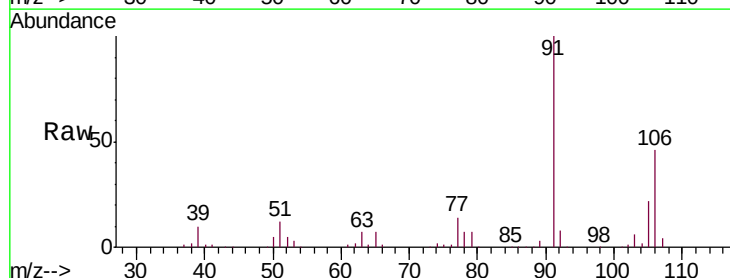
Acq: 29 Oct 2018 10:29

Tgt Ion: 106 Resp: 60168

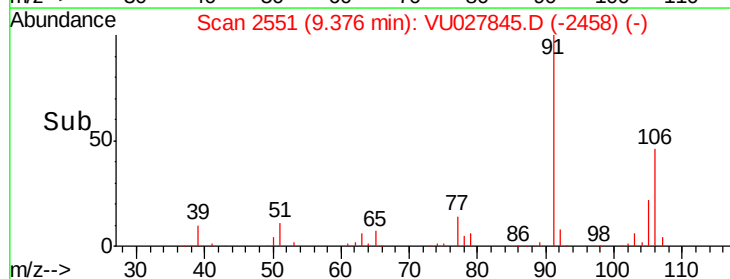
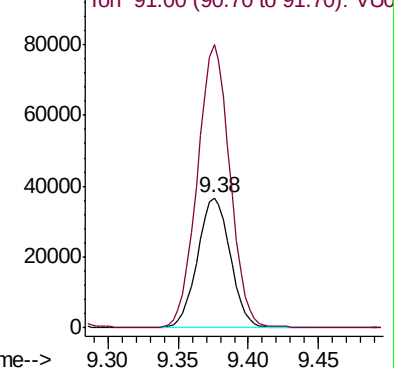
Ion Ratio Lower Upper

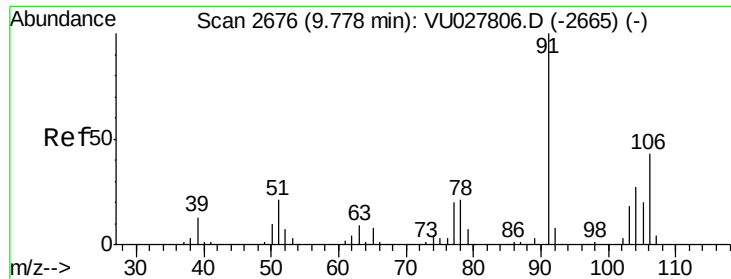
106 100

91 217.8 147.9 274.7



Abundance Ion 106.00 (105.70 to 106.70): VU027806.D (-2539) (-)

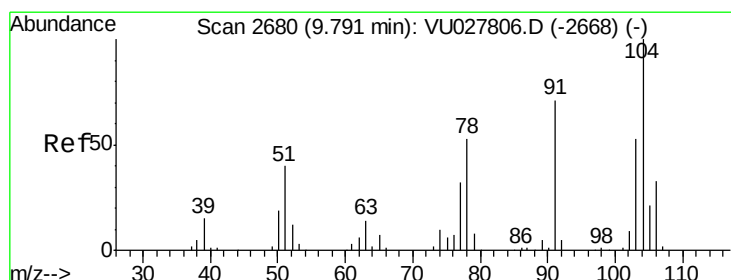
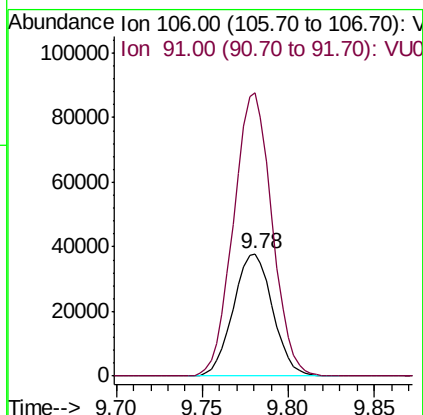
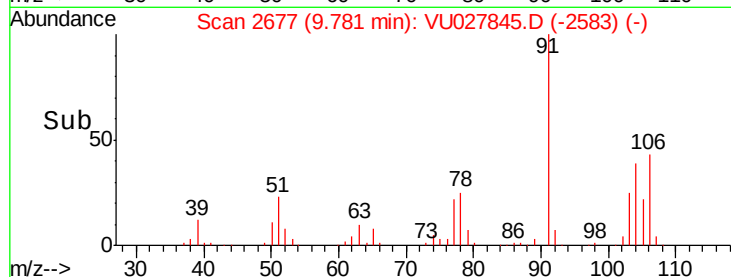
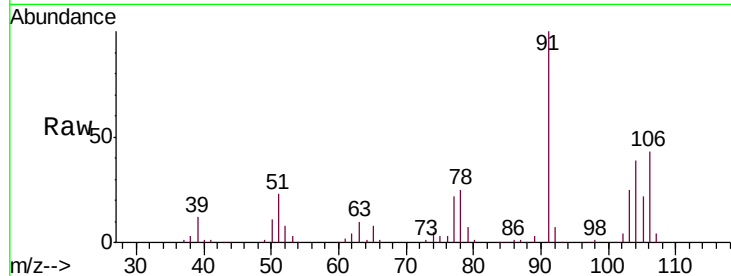




#54
o-xylene
Concen: 44.876 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027845.D
Acq: 29 Oct 2018 10:29

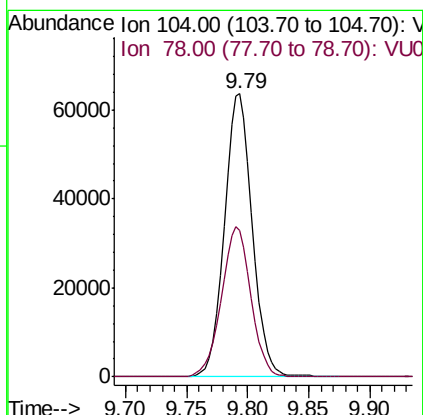
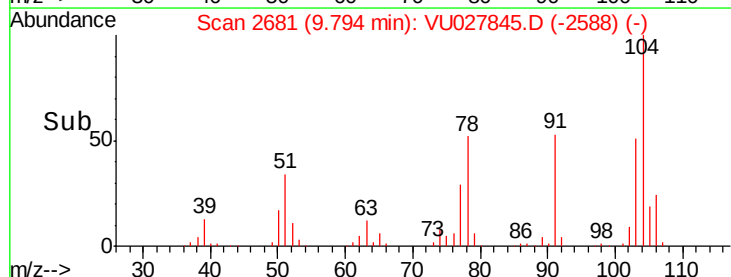
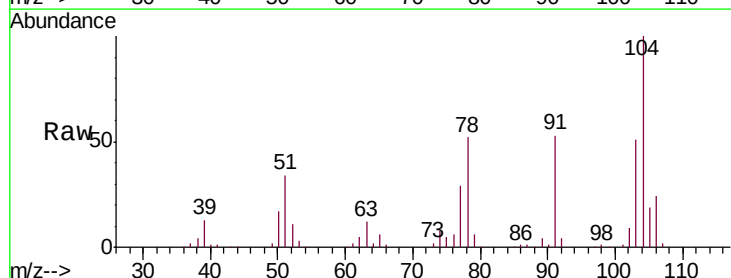
Instrument :
MSVOA_U
ClientSampleId :
VSTD05008

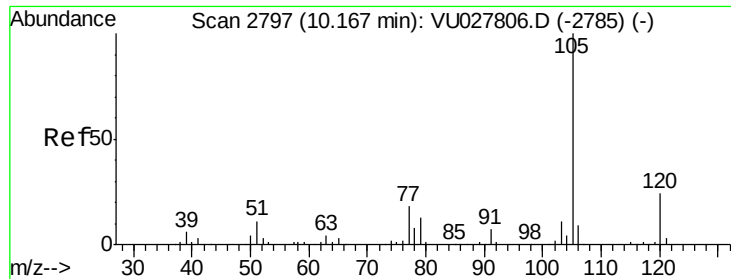
Tgt Ion:106 Resp: 60109
Ion Ratio Lower Upper
106 100
91 231.1 159.4 296.0



#55
Styrene
Concen: 44.691 ug/L
RT: 9.79 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU027845.D
Acq: 29 Oct 2018 10:29

Tgt Ion:104 Resp: 101893
Ion Ratio Lower Upper
104 100
78 51.5 36.5 67.9





#56

Isopropylbenzene

Concen: 45.797 ug/L

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027845.D

Acq: 29 Oct 2018 10:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD05008

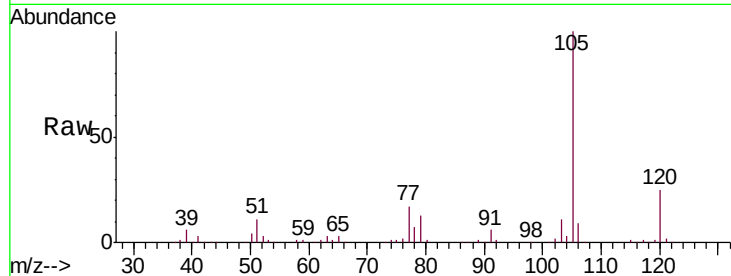
Tgt Ion: 105 Resp: 162455

Ion Ratio Lower Upper

105 100

120 25.1 21.0 31.6

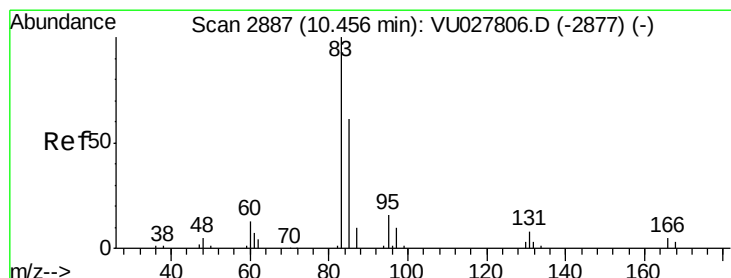
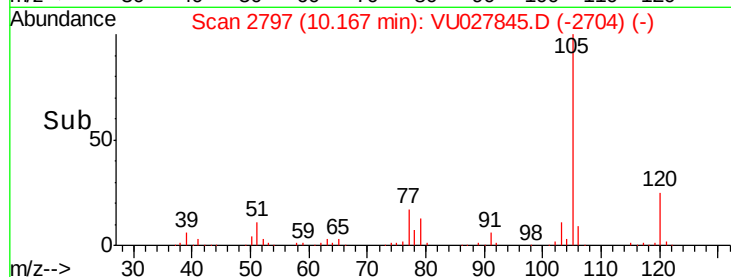
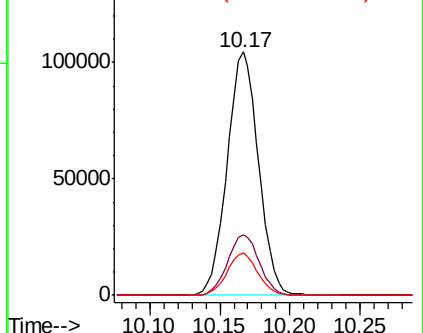
77 17.0 13.7 20.5



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: 45.186 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU027845.D

Acq: 29 Oct 2018 10:29

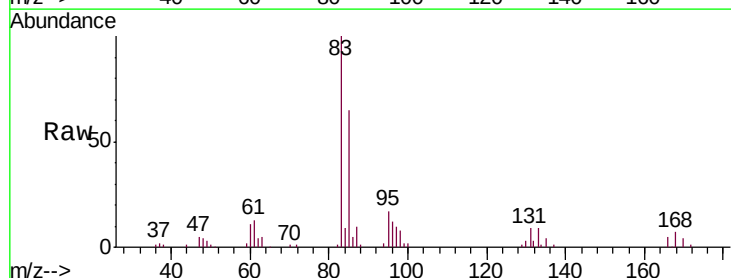
Tgt Ion: 83 Resp: 61576

Ion Ratio Lower Upper

83 100

85 64.9 44.6 82.8

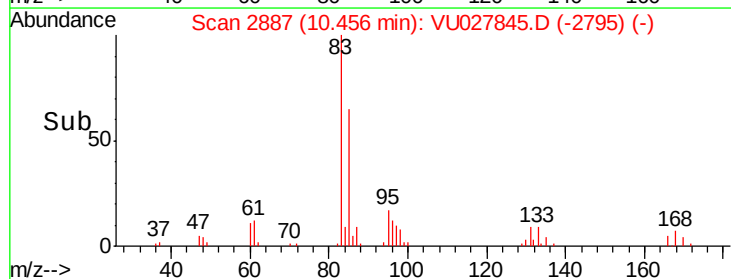
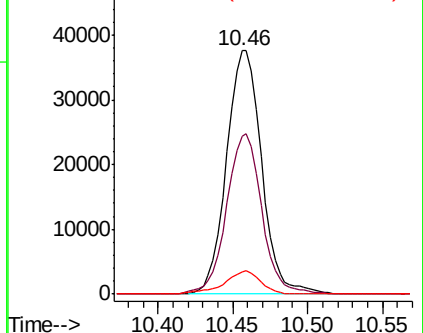
131 9.2 6.9 10.3

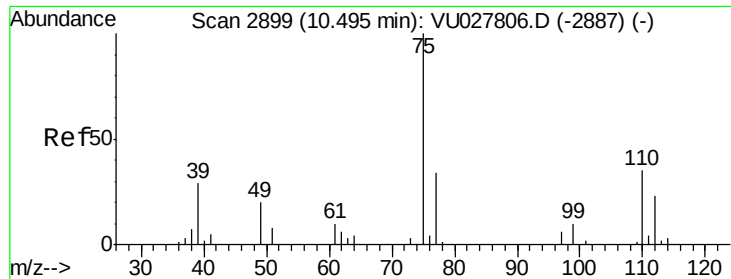


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 44.233 ug/L

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU027845.D

Acq: 29 Oct 2018 10:29

Instrument :

MSVOA_U

ClientSampleId :

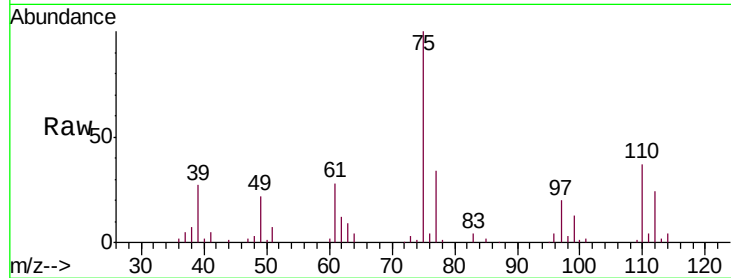
VSTD05008

Tgt Ion: 75 Resp: 48499

Ion Ratio Lower Upper

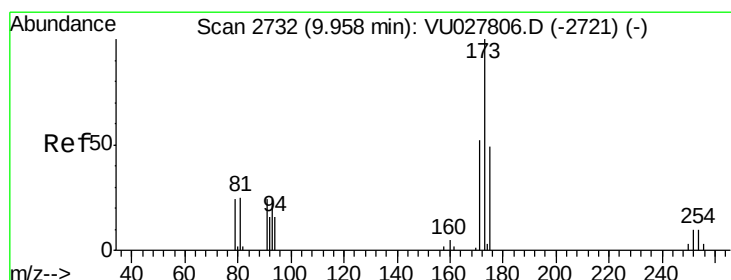
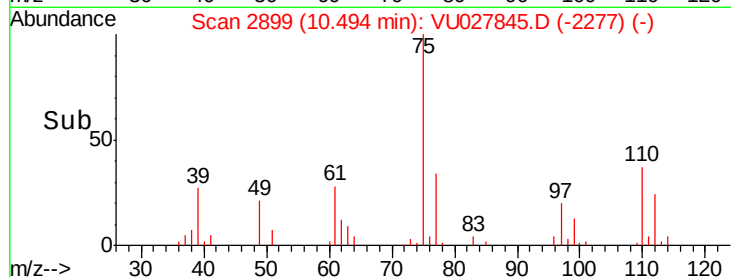
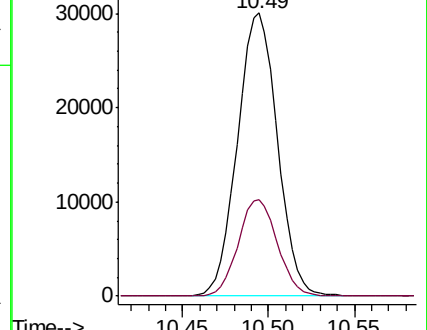
75 100

77 33.2 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) (-)



#61

Bromoform

Concen: 43.003 ug/L

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU027845.D

Acq: 29 Oct 2018 10:29

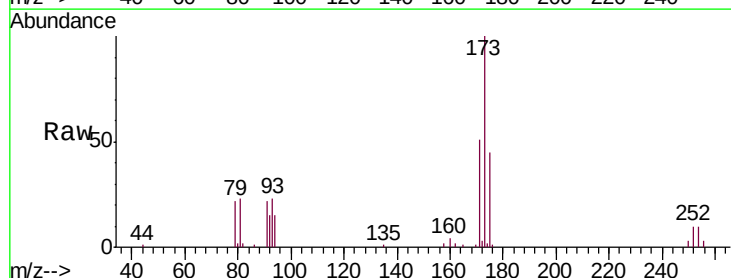
Tgt Ion: 173 Resp: 29924

Ion Ratio Lower Upper

173 100

175 47.0 38.6 58.0

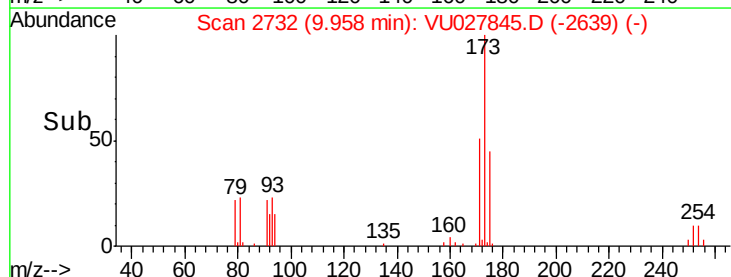
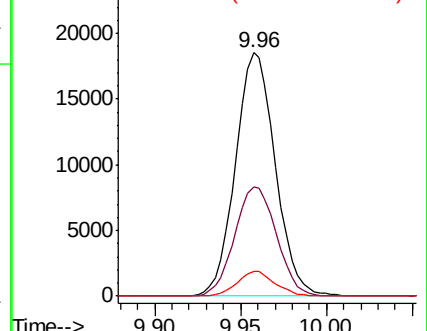
254 9.6 7.9 11.9

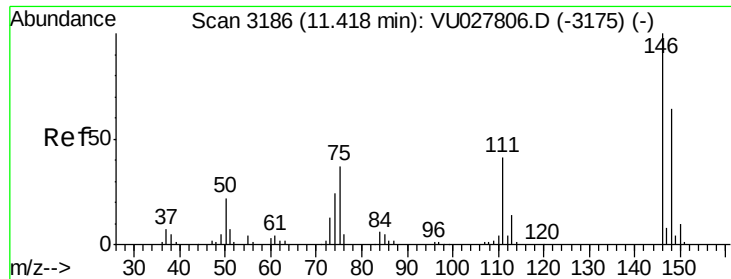


Abundance Ion 173.00 (172.70 to 173.70): VU027806.D (-2721) (-)

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

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

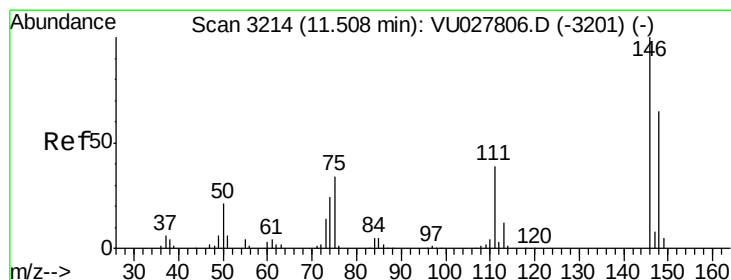
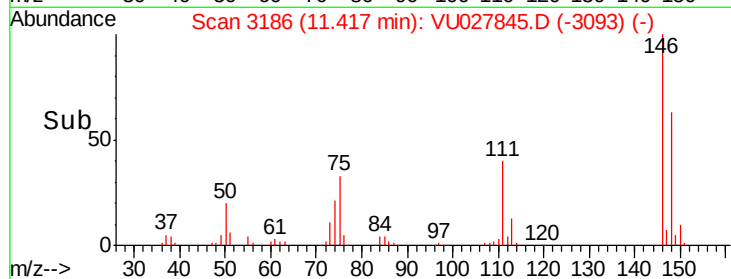
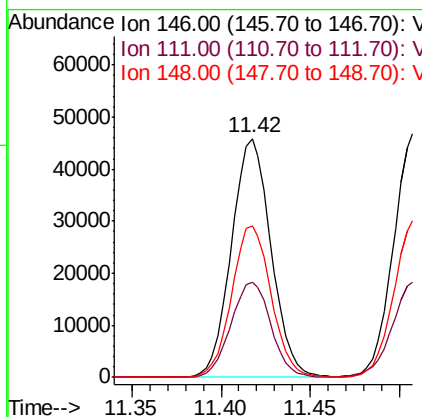
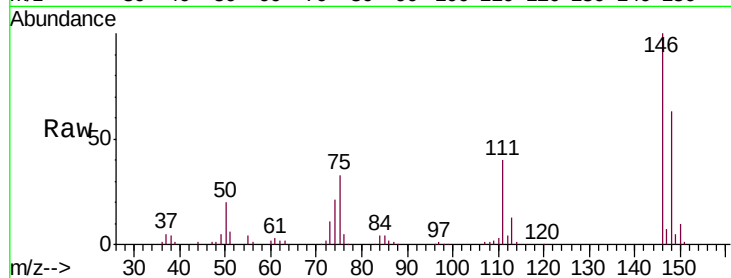




#62
 1,3-Dichlorobenzene
 Concen: 45.325 ug/L
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU027845.D
 Acq: 29 Oct 2018 10:29

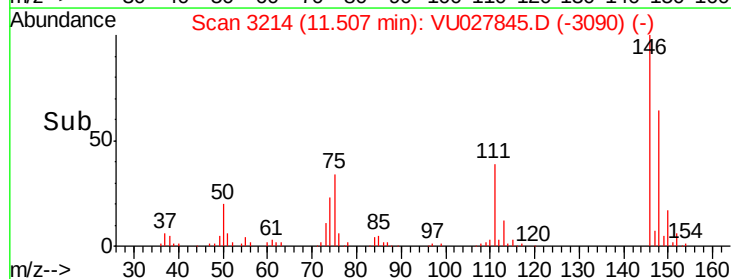
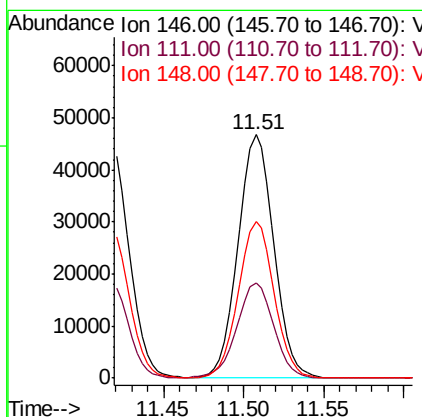
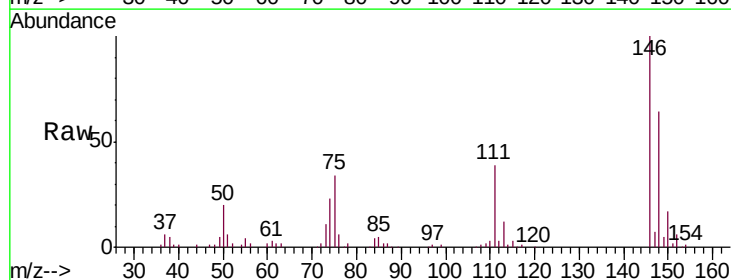
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05008

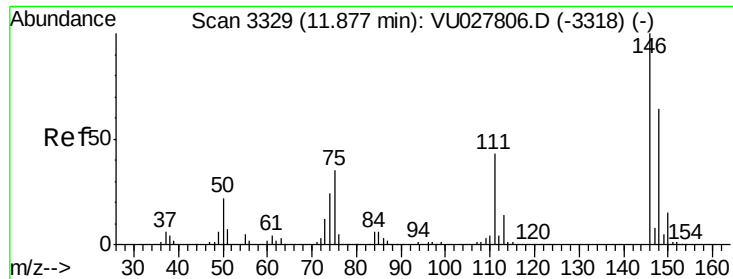
Tgt Ion:146 Resp: 70946
 Ion Ratio Lower Upper
 146 100
 111 39.8 28.1 52.3
 148 63.4 43.7 81.1



#63
 1,4-Dichlorobenzene
 Concen: 44.555 ug/L
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU027845.D
 Acq: 29 Oct 2018 10:29

Tgt Ion:146 Resp: 71113
 Ion Ratio Lower Upper
 146 100
 111 39.3 27.5 51.1
 148 64.1 44.1 81.9

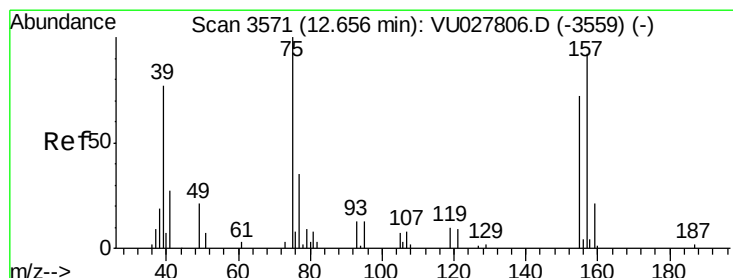
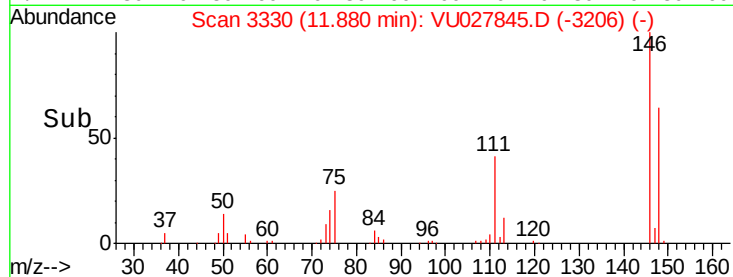
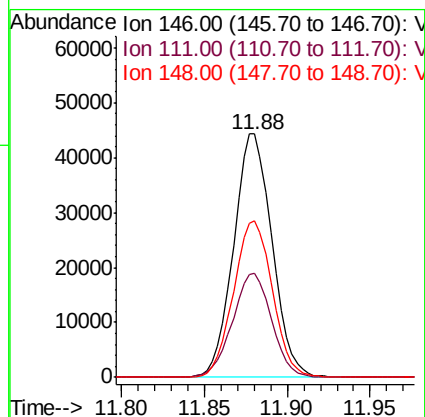
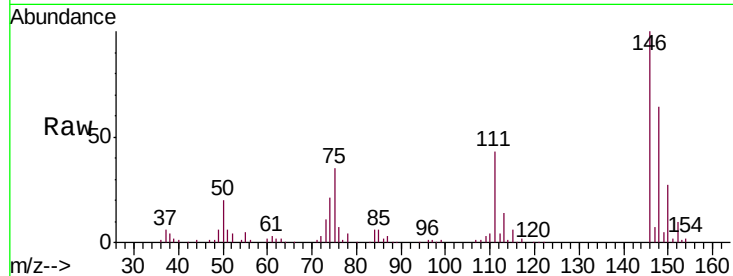




#65
 1,2-Dichlorobenzene
 Concen: 44.385 ug/L
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU027845.D
 Acq: 29 Oct 2018 10:29

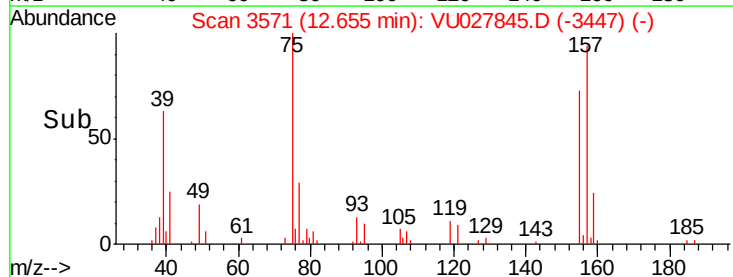
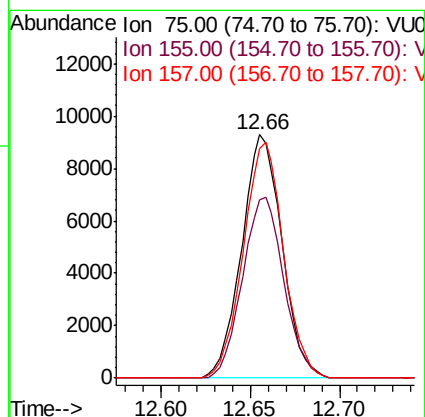
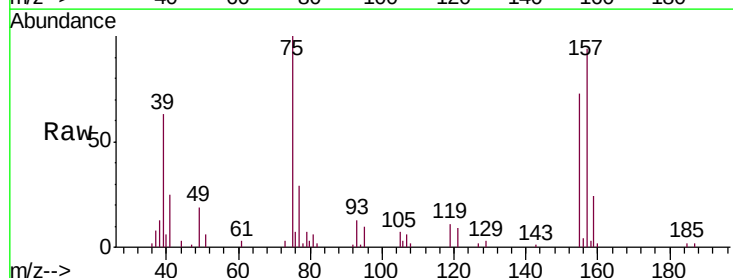
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05008

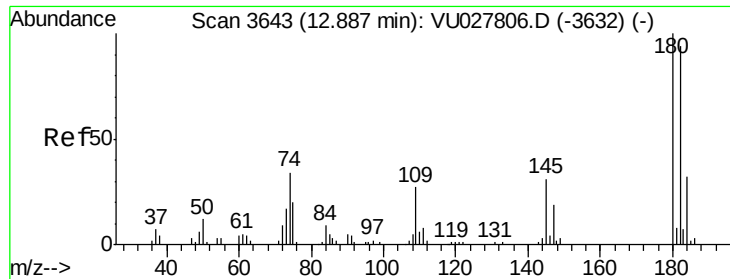
Tgt Ion: 146 Resp: 71458
 Ion Ratio Lower Upper
 146 100
 111 42.5 33.8 50.8
 148 64.1 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 43.569 ug/L
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027845.D
 Acq: 29 Oct 2018 10:29

Tgt Ion: 75 Resp: 14616
 Ion Ratio Lower Upper
 75 100
 155 73.1 57.4 86.2
 157 94.4 75.9 113.9

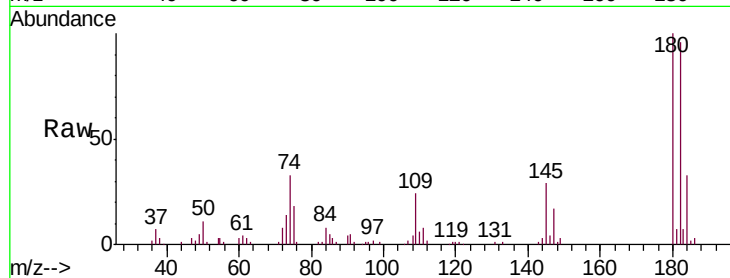




#67
 1,3,5-Trichlorobenzene
 Concen: 44.974 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. -0.00 min
 Lab File: VU027845.D
 Acq: 29 Oct 2018 10:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05008

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.7	75.9	113.9
184	31.6	24.7	37.1
145	29.4	23.0	34.4



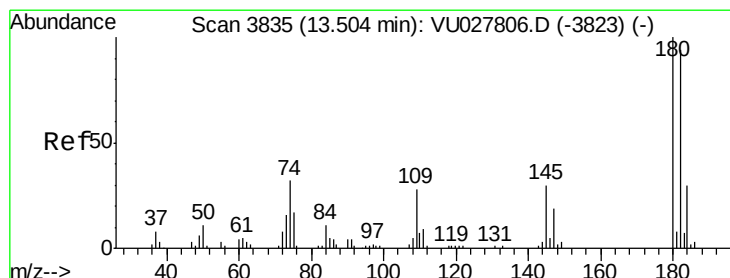
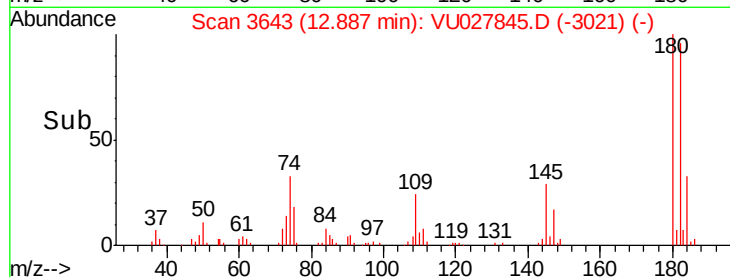
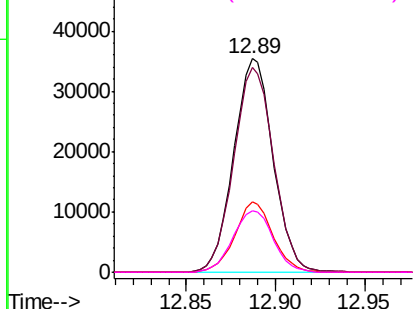
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

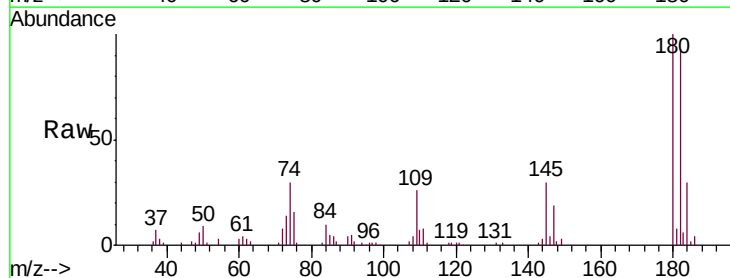
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 45.599 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU027845.D
 Acq: 29 Oct 2018 10:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	77.1	115.7
145	29.7	23.4	35.0

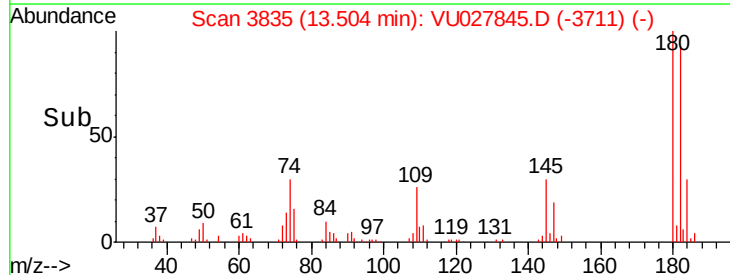
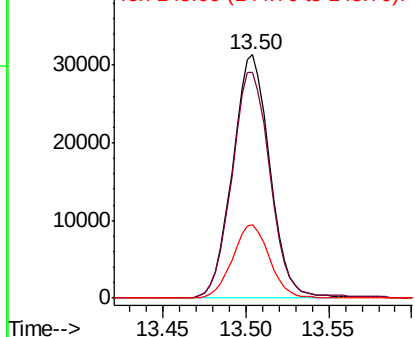


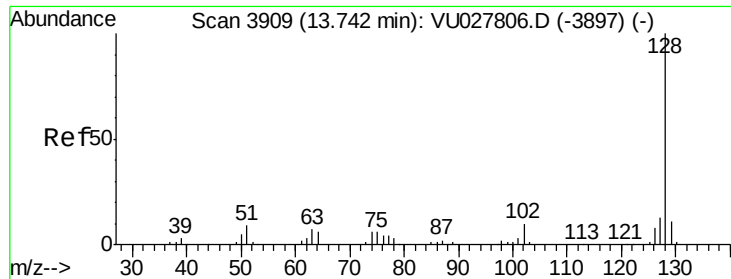
Abundance

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: 45.143 ug/L

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU027845.D

Acq: 29 Oct 2018 10:29

Instrument :

MSVOA_U

ClientSampleId :

VSTD05008

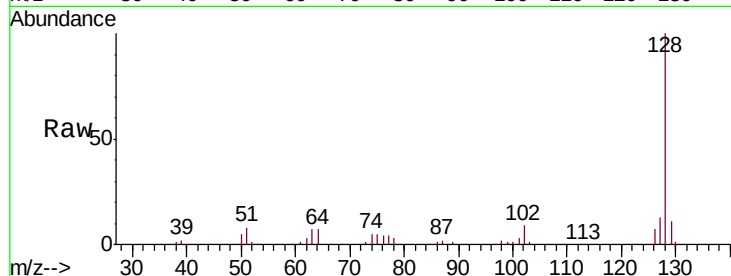
Tgt Ion:128 Resp: 156699

Ion Ratio Lower Upper

128 100

127 13.3 10.9 16.3

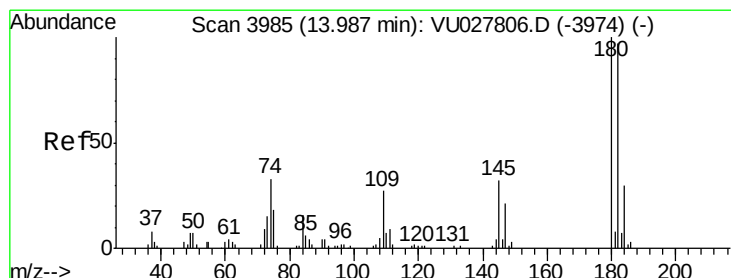
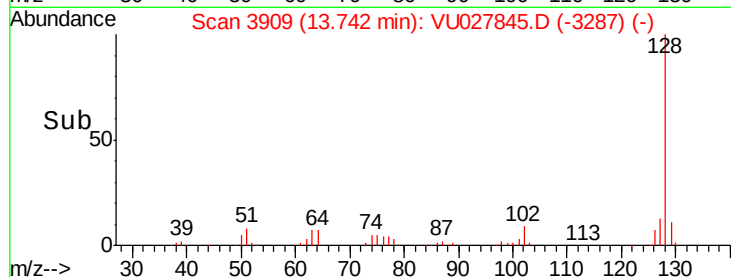
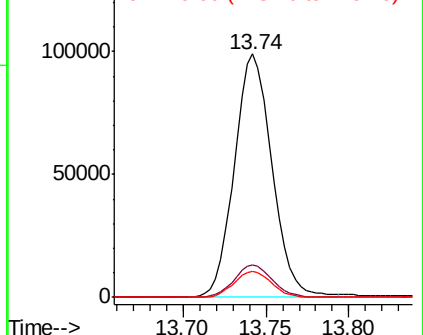
129 10.7 8.7 13.1



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: 45.895 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU027845.D

Acq: 29 Oct 2018 10:29

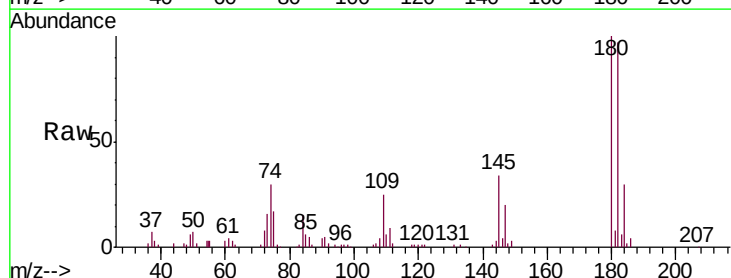
Tgt Ion:180 Resp: 51551

Ion Ratio Lower Upper

180 100

182 94.3 77.8 116.6

145 32.1 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

