

Data File : VU028952.D
Acq On : 24 Dec 2018 17:30
Operator : MD/SY
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05047

Quant Time: Dec 25 00:09:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 25 00:02:36 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	273989	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	258264	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	125700	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	87530	39.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.70%
7) Chloroethane-d5	1.67	69	75483	44.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.98%
11) 1,1-Dichloroethene-d2	2.27	63	168885	45.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.44%
21) 2-Butanone-d5	4.17	46	143120	93.00	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.00%
24) Chloroform-d	4.65	84	171968	49.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.58%
26) 1,2-Dichloroethane-d4	5.31	65	102171	47.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.98%
32) Benzene-d6	5.34	84	364494	49.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.92%
36) 1,2-Dichloropropane-d6	6.33	67	119331	48.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.28%
41) Toluene-d8	7.56	98	344090	52.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.08%
43) trans-1,3-Dichloropropene-	7.85	79	56731	51.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.16%
47) 2-Hexanone-d5	8.31	63	122920	104.41	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.41%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	169870	49.40	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	134565	52.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.86%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	104475	46.763	ug/L 100
3) Chloromethane	1.33	50	119705	39.403	ug/L 98
5) Vinyl chloride	1.40	62	126279	47.052	ug/L 98
6) Bromomethane	1.61	94	53619	46.902	ug/L 98
8) Chloroethane	1.69	64	75030	48.978	ug/L 96
9) Trichlorofluoromethane	1.88	101	151454	55.185	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	90963	51.227	ug/L 97
12) 1,1-Dichloroethene	2.28	96	91020	51.812	ug/L 83
13) Acetone	2.32	43	94671	60.364	ug/L 99
14) Carbon disulfide	2.48	76	282252	46.009	ug/L 100
15) Methyl Acetate	2.61	43	104329	42.669	ug/L 93
16) Methylene chloride	2.70	84	107518	49.629	ug/L 93
17) trans-1,2-Dichloroethene	2.98	96	96841	50.882	ug/L 96
18) Methyl tert-butyl Ether	3.00	73	311362	53.201	ug/L 97
19) 1,1-Dichloroethane	3.44	63	175889	47.540	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	113244	52.525	ug/L 88
22) 2-Butanone	4.26	43	149193	78.119	ug/L 94

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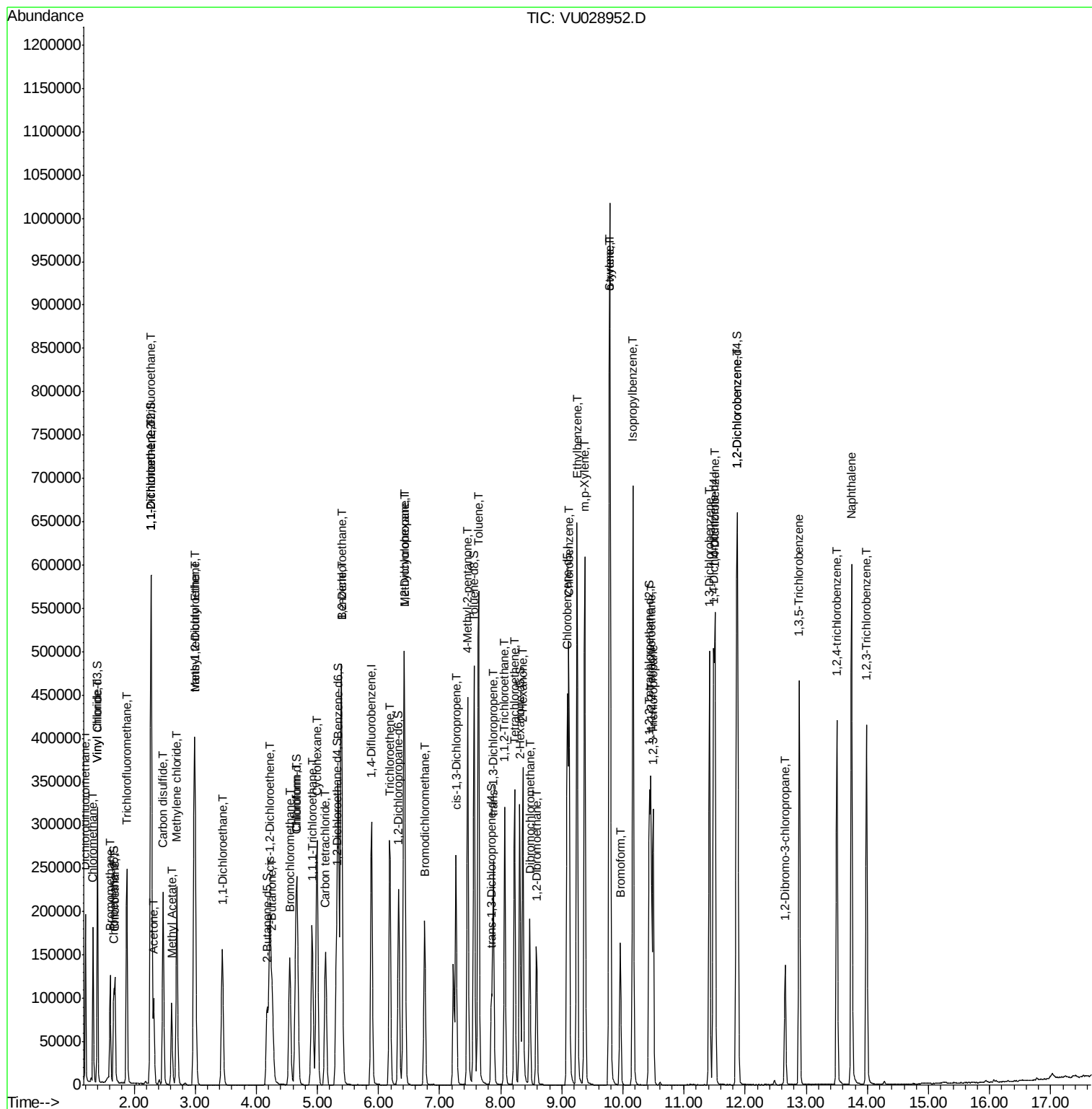
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	55192	53.699	ug/L	85
25) Chloroform	4.67	83	175373	49.801	ug/L	100
27) 1,2-Dichloroethane	5.40	62	129801	49.598	ug/L	98
29) Cyclohexane	4.99	56	163375	47.529	ug/L	93
30) 1,1,1-Trichloroethane	4.91	97	144244	52.768	ug/L	97
31) Carbon tetrachloride	5.13	117	116234	52.730	ug/L	99
33) Benzene	5.39	78	415796	50.570	ug/L	100
34) Trichloroethene	6.18	95	102110	51.440	ug/L	94
35) Methylcyclohexane	6.41	83	166257	50.288	ug/L	94
37) 1,2-Dichloropropane	6.43	63	111036	48.310	ug/L	99
38) Bromodichloromethane	6.76	83	129549	50.899	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	167492	51.115	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	286706	92.807	ug/L	95
42) Toluene	7.64	91	441007	52.912	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	148790	50.940	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	103689	52.764	ug/L	97
46) Tetrachloroethene	8.22	164	83154	54.391	ug/L	96
48) 2-Hexanone	8.36	43	219985	86.760	ug/L	95
49) Dibromochloromethane	8.48	129	101525	51.867	ug/L	99
50) 1,2-Dibromoethane	8.58	107	109294	53.455	ug/L	97
51) Chlorobenzene	9.12	112	280707	53.439	ug/L	98
52) Ethylbenzene	9.25	91	479320	53.521	ug/L	97
53) m,p-Xylene	9.37	106	182877	55.221	ug/L	97
54) o-xylene	9.78	106	184618	55.621	ug/L	96
55) Styrene	9.79	104	308802	54.932	ug/L	99
56) Isopropylbenzene	10.16	105	464907	55.214	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	179319	50.229	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	137774	50.231	ug/L	99
61) Bromoform	9.96	173	78694	50.502	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	215198	53.893	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	215166	52.301	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	219788	52.765	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	35011	48.728	ug/L	94
67) 1,3,5-Trichlorobenzene	12.88	180	156087	53.017	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	140999	57.191	ug/L	99
69) Naphthalene	13.74	128	498334	58.220	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	146859	55.243	ug/L	99

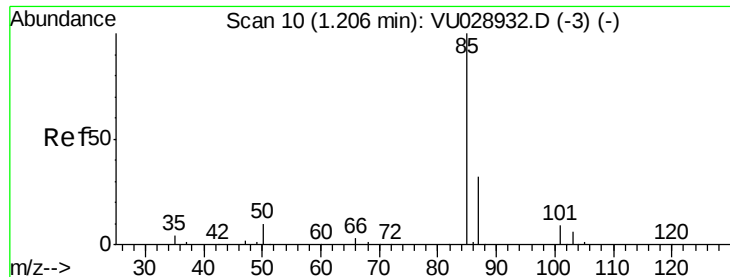
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 46.763 ug/L

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028952.D

Acq: 24 Dec 2018 17:30

Instrument :

MSVOA_U

ClientSampleId :

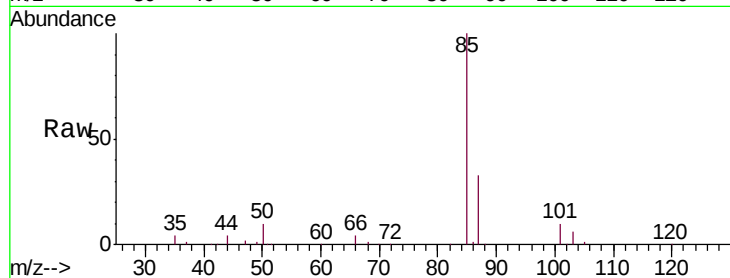
VSTD05047

Tgt Ion: 85 Resp: 104475

Ion Ratio Lower Upper

85 100

87 32.9 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

120000

100000

80000

60000

40000

20000

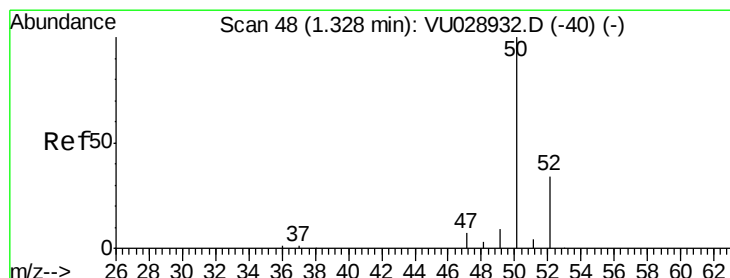
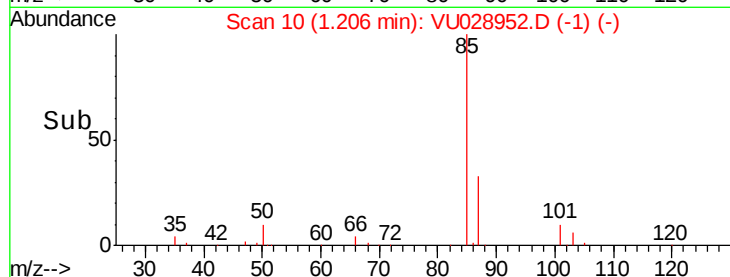
0

1.21

1.20

1.15

Time-->



#3

Chloromethane

Concen: 39.403 ug/L

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028952.D

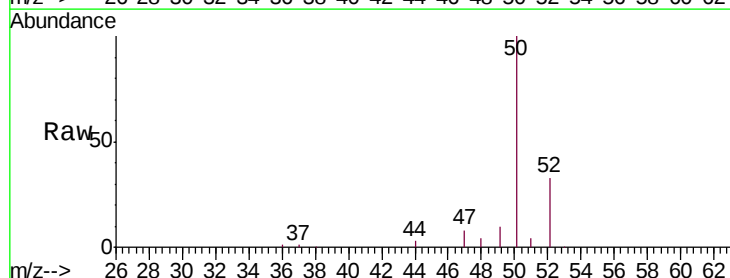
Acq: 24 Dec 2018 17:30

Tgt Ion: 50 Resp: 119705

Ion Ratio Lower Upper

50 100

52 33.1 22.3 41.3



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

120000

100000

80000

60000

40000

20000

0

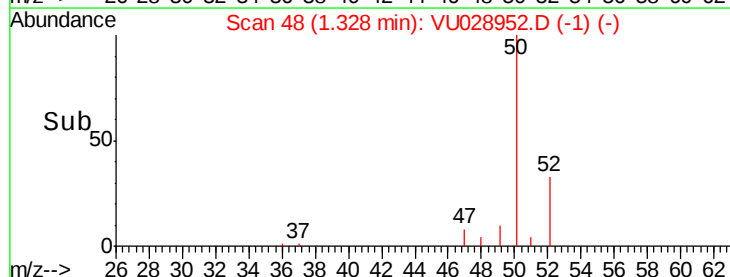
1.33

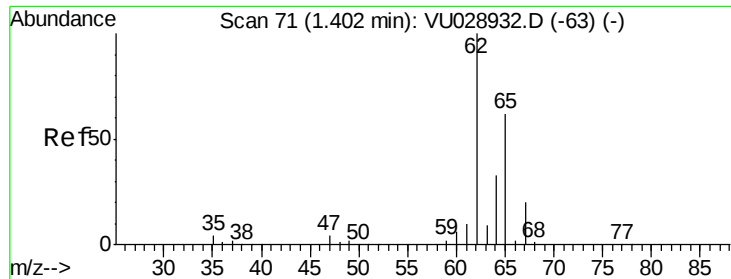
1.30

1.35

1.40

Time-->





#5

Vinyl chloride

Concen: 47.052 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028952.D

Acq: 24 Dec 2018 17:30

Instrument :

MSVOA_U

ClientSampleId :

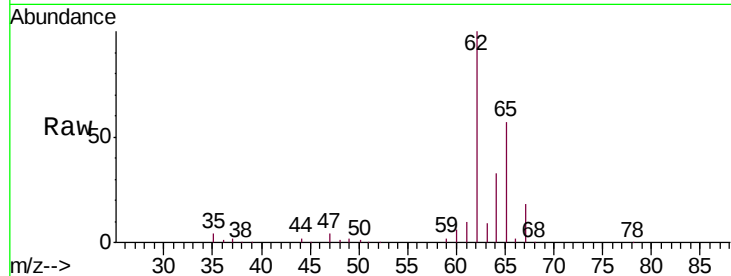
VSTD05047

Tgt Ion: 62 Resp: 126279

Ion Ratio Lower Upper

62 100

64 32.7 22.3 41.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.40

150000

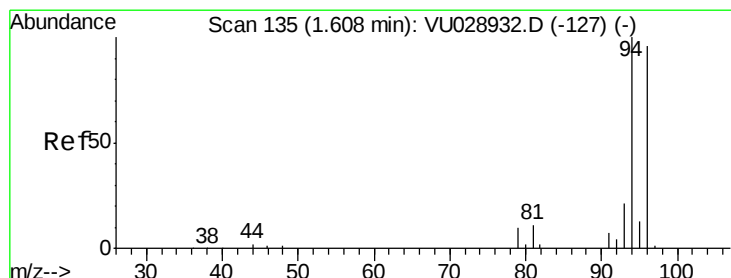
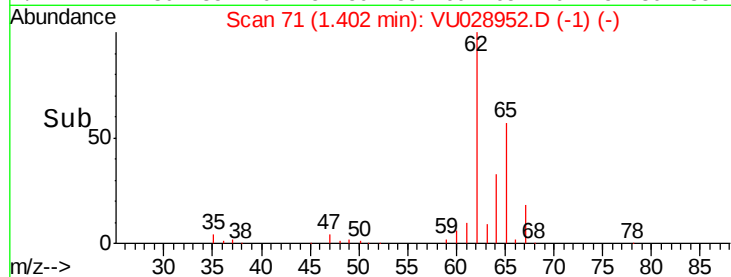
100000

50000

0

Time-->

1.35 1.40 1.45



#6

Bromomethane

Concen: 46.902 ug/L

RT: 1.61 min Scan# 135

Delta R.T. 0.00 min

Lab File: VU028952.D

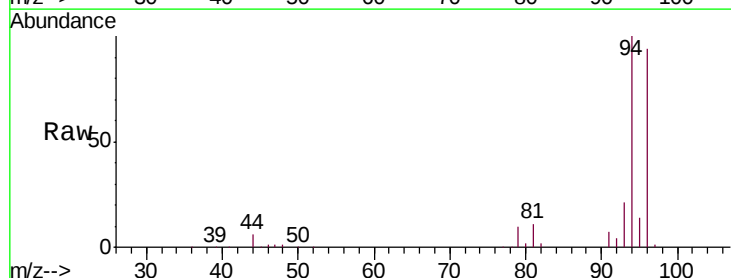
Acq: 24 Dec 2018 17:30

Tgt Ion: 94 Resp: 53619

Ion Ratio Lower Upper

94 100

96 94.3 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.61

50000

40000

30000

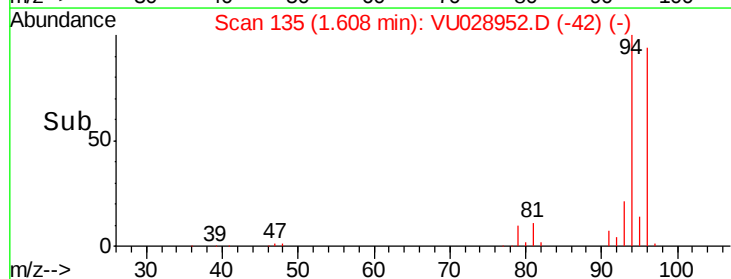
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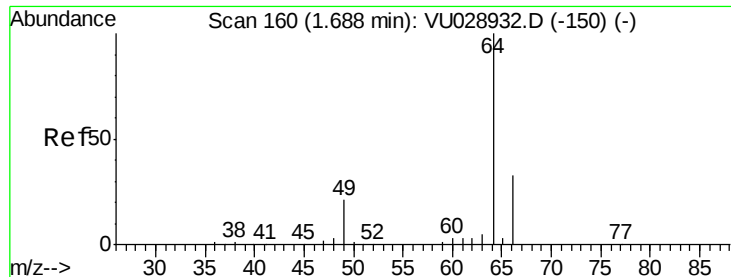
10000

0

Time-->

1.55 1.60 1.65





#8

Chloroethane

Concen: 48.978 ug/L

RT: 1.69 min Scan# 160

Delta R.T. 0.00 min

Lab File: VU028952.D

Acq: 24 Dec 2018 17:30

Instrument :

MSVOA_U

ClientSampleId :

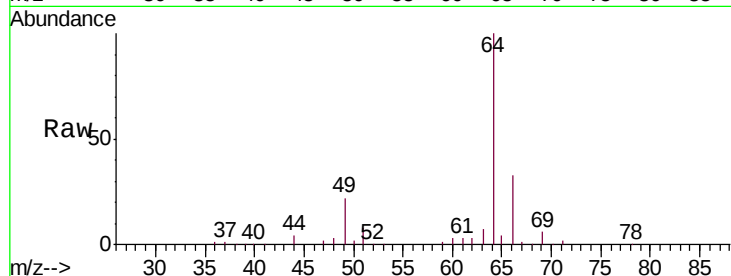
VSTD05047

Tgt Ion: 64 Resp: 75030

Ion Ratio Lower Upper

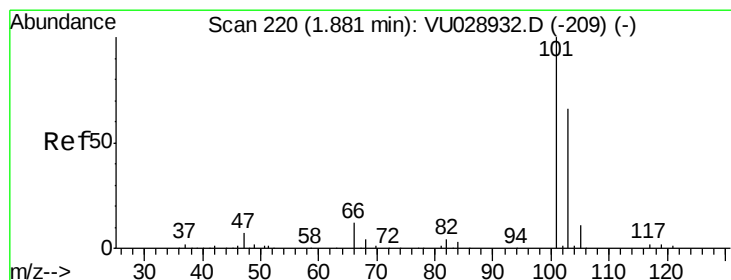
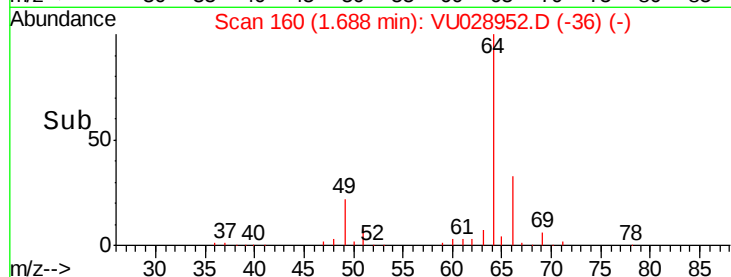
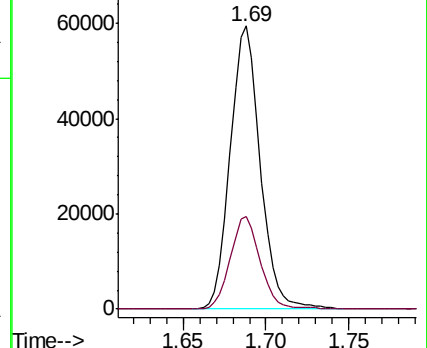
64 100

66 32.8 21.5 39.9



Abundance Ion 64.00 (63.70 to 64.70): VU028932.D (-150) (-)

Ion 66.00 (65.70 to 66.70): VU028932.D (-150) (-)



#9

Trichlorofluoromethane

Concen: 55.185 ug/L

RT: 1.88 min Scan# 220

Delta R.T. 0.00 min

Lab File: VU028952.D

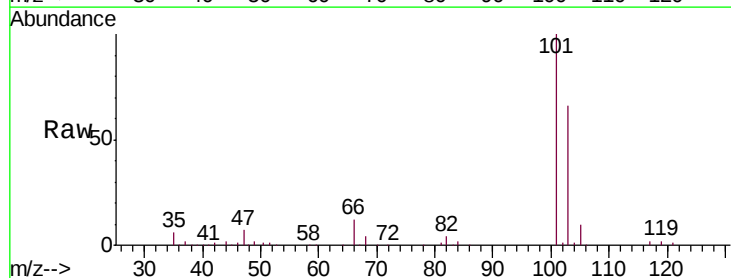
Acq: 24 Dec 2018 17:30

Tgt Ion: 101 Resp: 151454

Ion Ratio Lower Upper

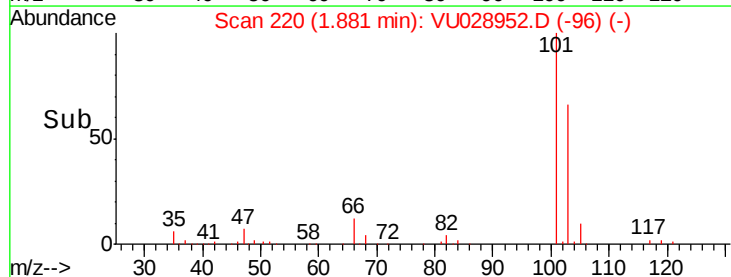
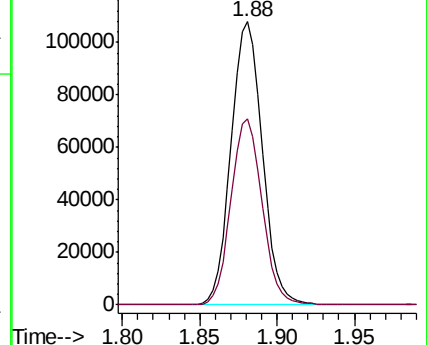
101 100

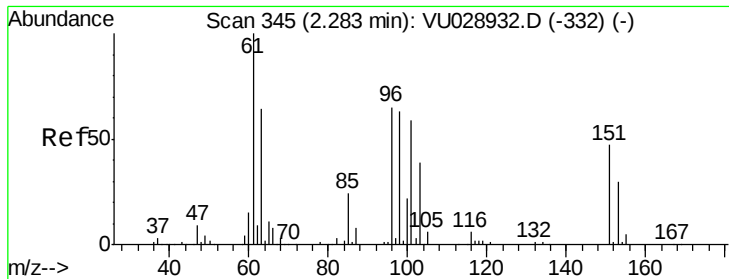
103 65.2 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): VU028932.D (-209) (-)

Ion 103.00 (102.70 to 103.70): VU028932.D (-209) (-)





#10

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

Concen: 51.227 ug/L

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU028952.D

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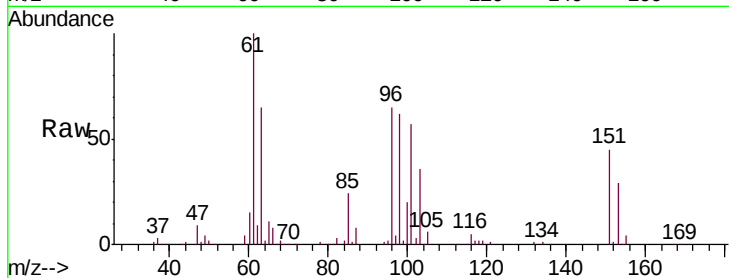
Tgt Ion: 101 Resp: 90963

Ion Ratio Lower Upper

101 100

85 41.1 33.8 50.6

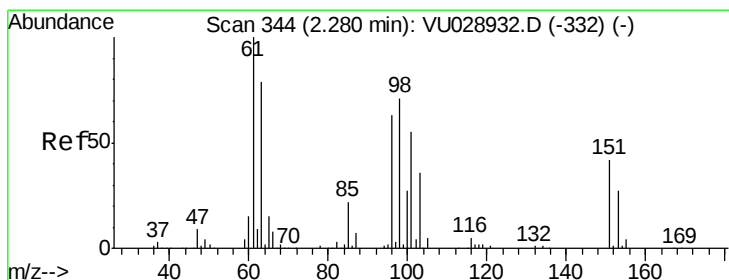
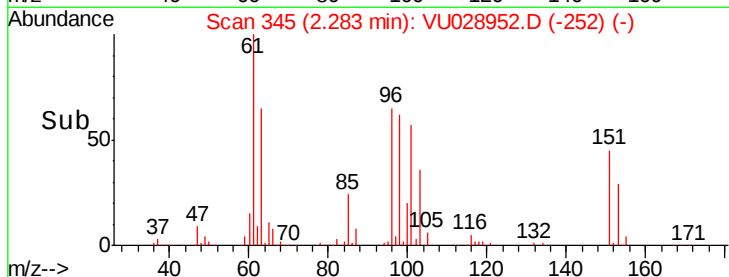
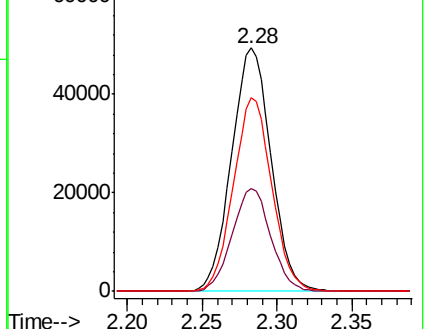
151 77.3 59.4 89.0



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: 51.812 ug/L

RT: 2.28 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU028952.D

Acq: 24 Dec 2018 17:30

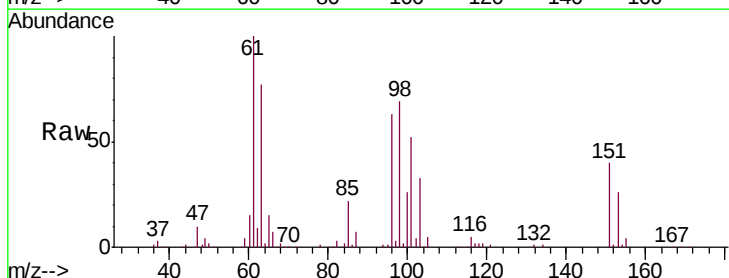
Tgt Ion: 96 Resp: 91020

Ion Ratio Lower Upper

96 100

61 157.8 119.3 221.5

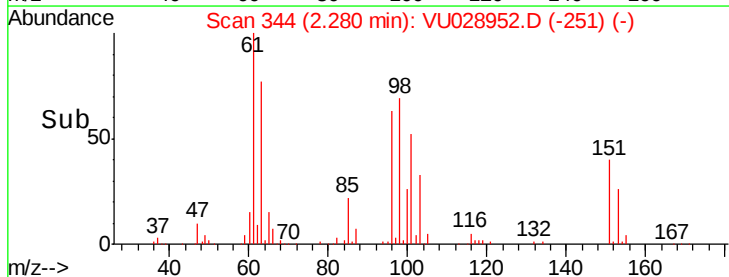
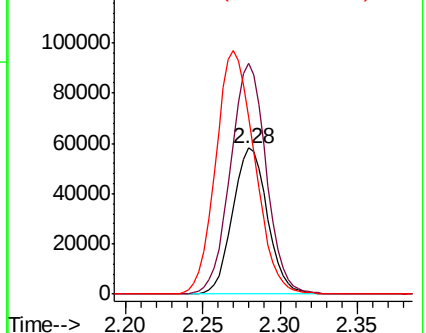
63 121.5 107.4 199.6

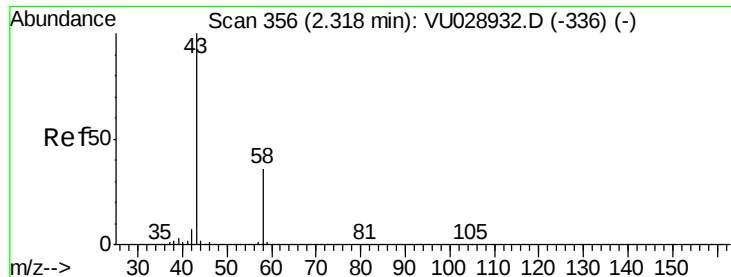


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 60.364 ug/L

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

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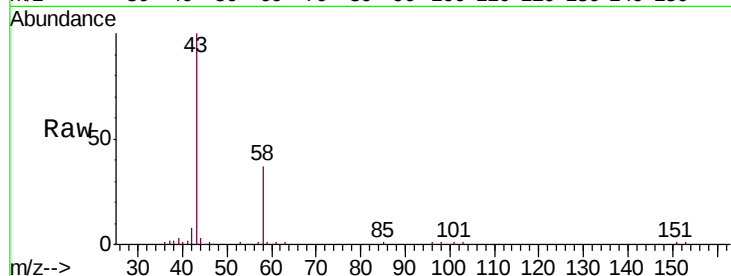
VSTD05047

Tgt Ion: 43 Resp: 94671

Ion Ratio Lower Upper

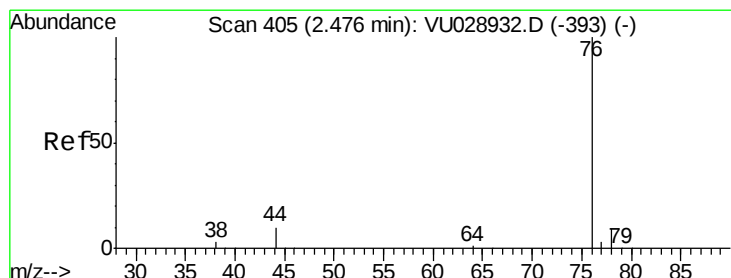
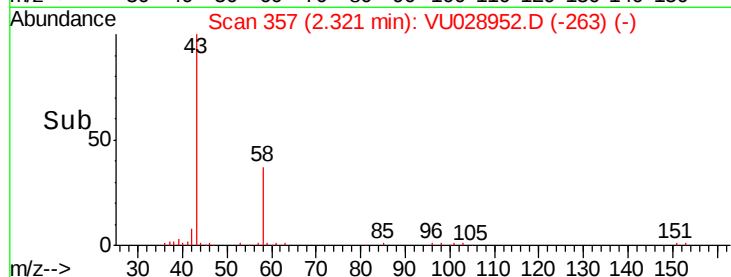
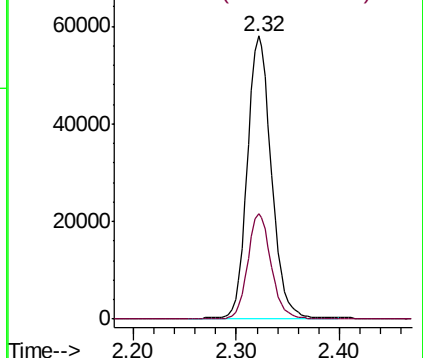
43 100

58 36.0 0.0 70.2



Abundance Ion 43.00 (42.70 to 43.70): VU028932.D (-336) (-)

Ion 58.00 (57.70 to 58.70): VU028932.D (-336) (-)



#14

Carbon disulfide

Concen: 46.009 ug/L

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU028952.D

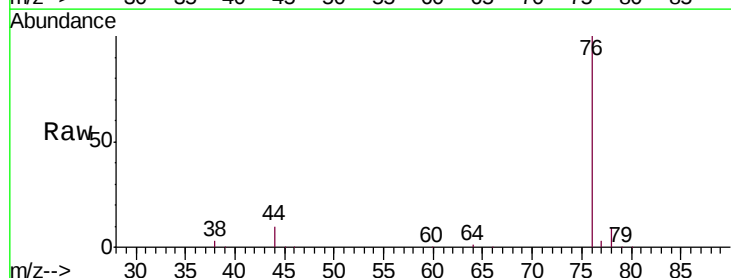
Acq: 24 Dec 2018 17:30

Tgt Ion: 76 Resp: 282252

Ion Ratio Lower Upper

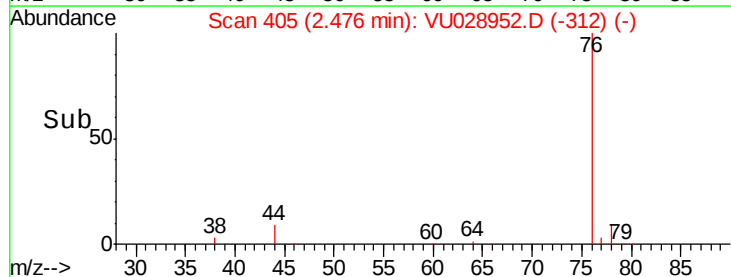
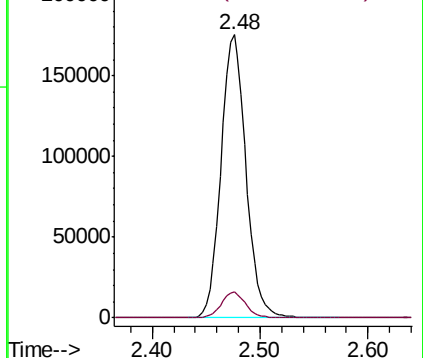
76 100

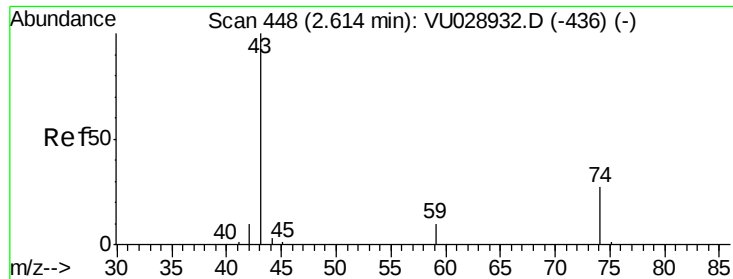
78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU028932.D (-393) (-)

Ion 78.00 (77.70 to 78.70): VU028932.D (-393) (-)

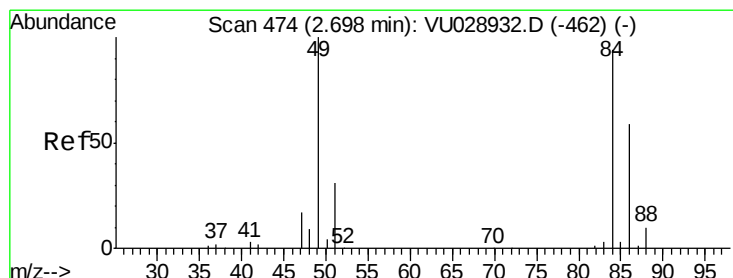
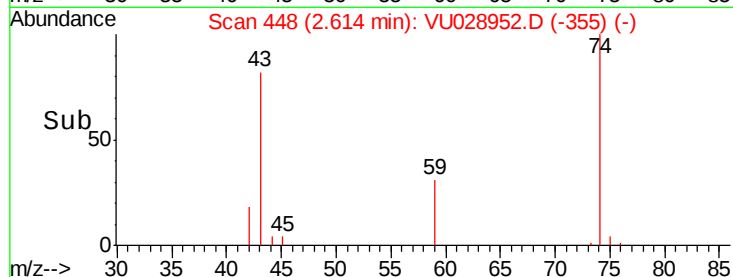
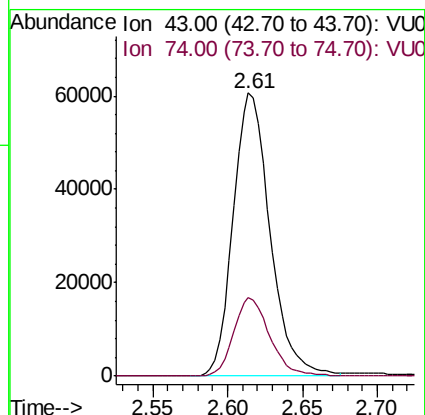
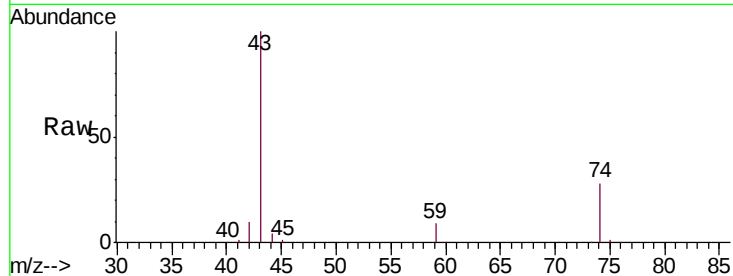




#15
Methyl Acetate
Concen: 42.669 ug/L
RT: 2.61 min Scan# 448
Delta R.T. 0.00 min
Lab File: VU028952.D
Acq: 24 Dec 2018 17:30

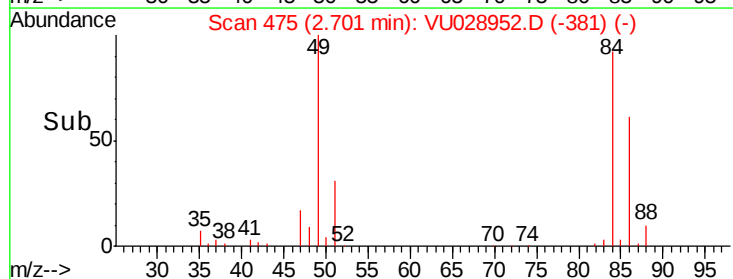
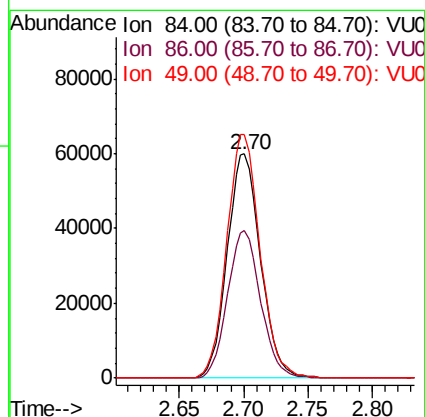
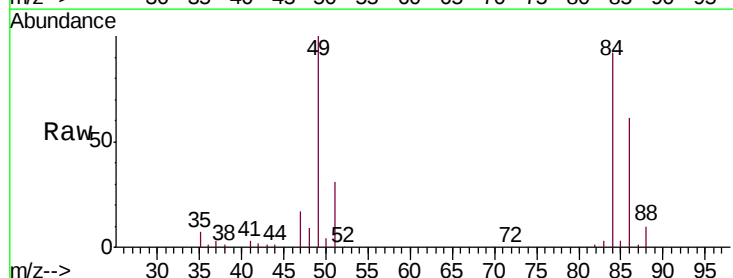
Instrument :
MSVOA_U
ClientSampleId :
VSTD05047

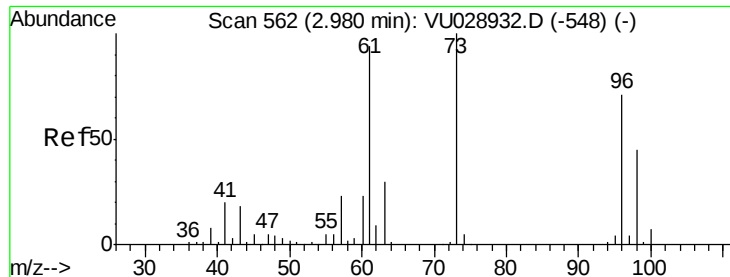
Tgt Ion: 43 Resp: 104329
Ion Ratio Lower Upper
43 100
74 26.9 19.0 28.4



#16
Methylene chloride
Concen: 49.629 ug/L
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028952.D
Acq: 24 Dec 2018 17:30

Tgt Ion: 84 Resp: 107518
Ion Ratio Lower Upper
84 100
86 65.7 44.9 83.3
49 108.6 83.9 155.7

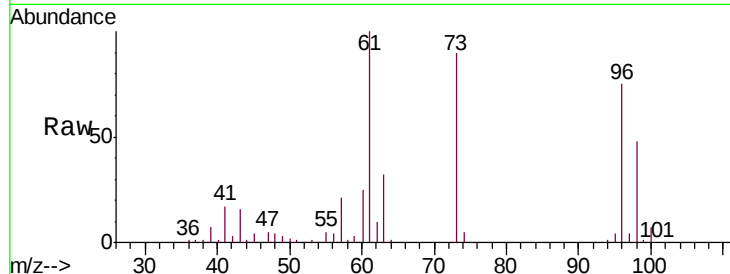




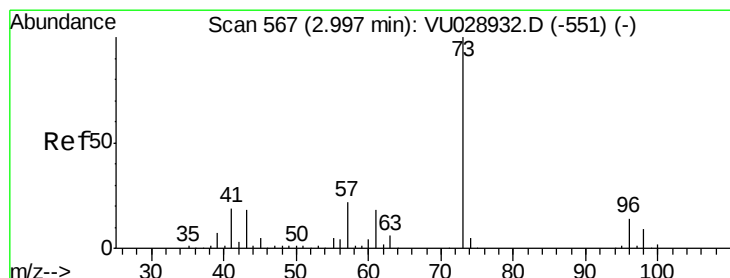
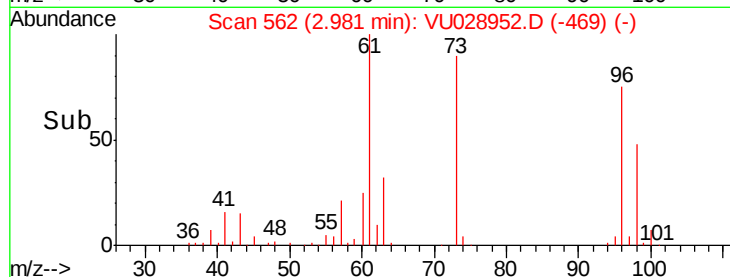
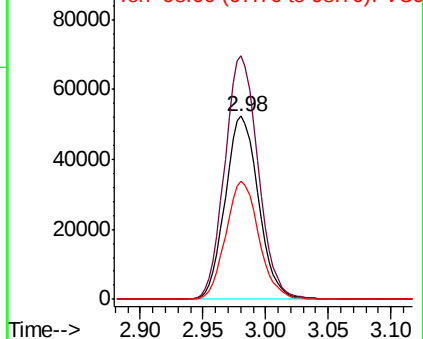
#17
trans-1,2-Dichloroethene
Concen: 50.882 ug/L
RT: 2.98 min Scan# 562
Delta R.T. 0.00 min
Lab File: VU028952.D
Acq: 24 Dec 2018 17:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD05047

Tgt Ion: 96 Resp: 96841
Ion Ratio Lower Upper
96 100
61 132.9 97.9 181.7
98 64.2 44.1 81.9

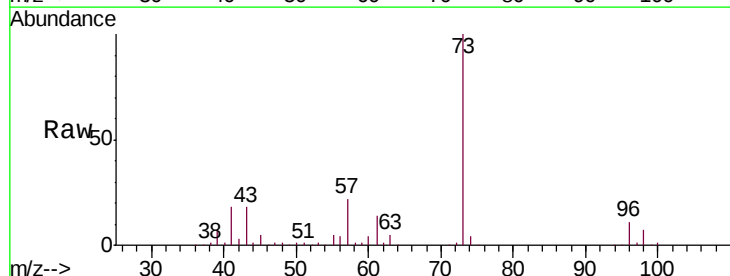


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

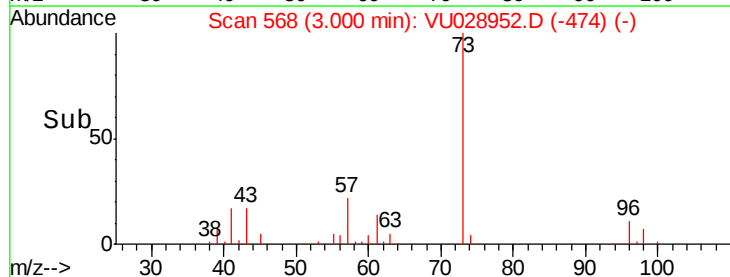
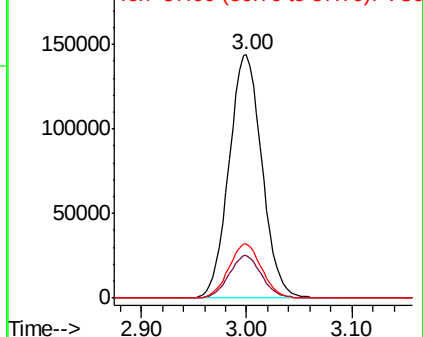


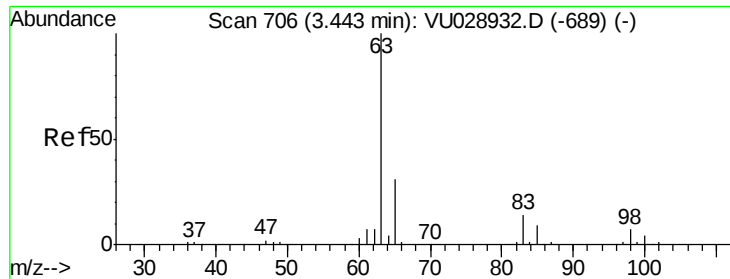
#18
Methyl tert-butyl Ether
Concen: 53.201 ug/L
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU028952.D
Acq: 24 Dec 2018 17:30

Tgt Ion: 73 Resp: 311362
Ion Ratio Lower Upper
73 100
43 17.3 15.3 22.9
57 22.2 19.0 28.4



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

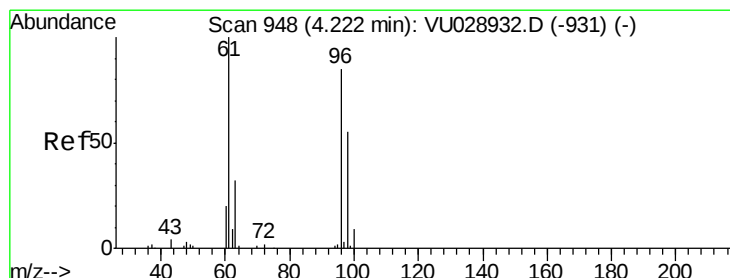
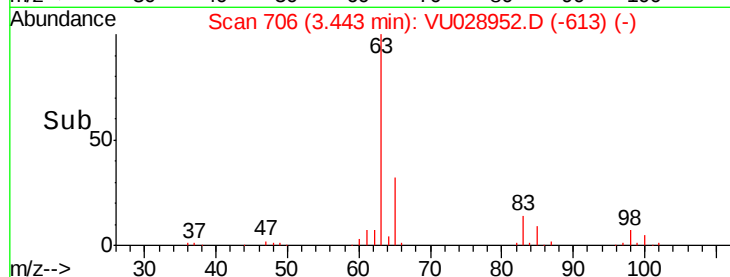
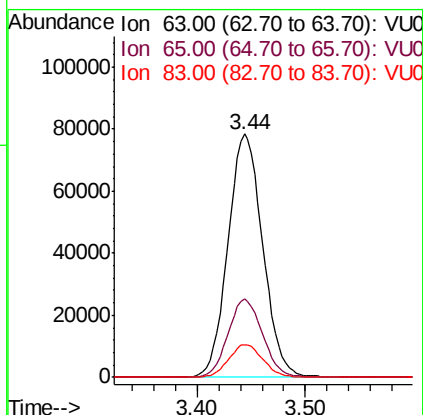
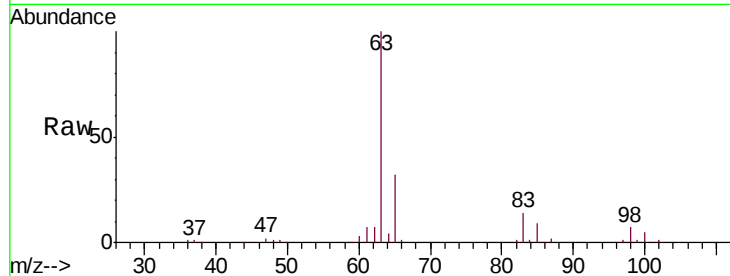




#19
 1,1-Dichloroethane
 Concen: 47.540 ug/L
 RT: 3.44 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VU028952.D
 Acq: 24 Dec 2018 17:30

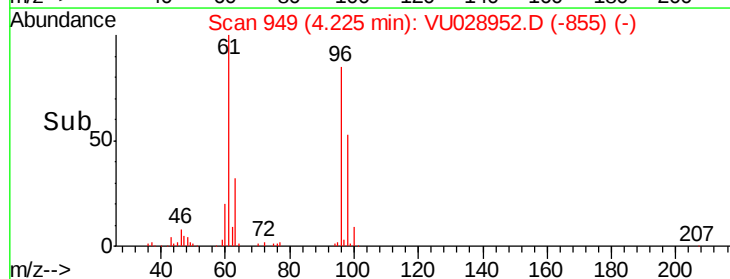
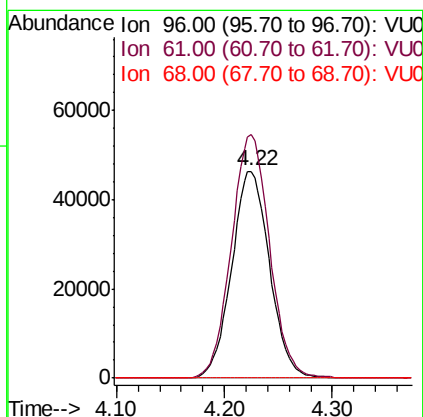
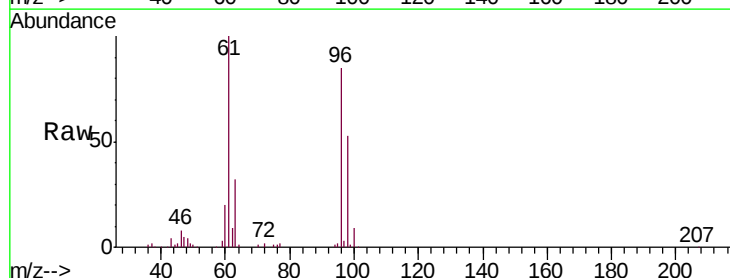
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD05047

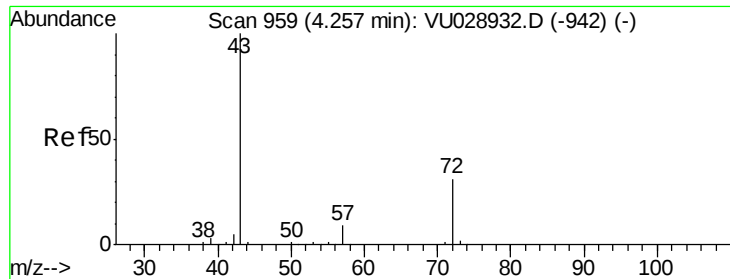
Tgt Ion: 63 Resp: 175889
 Ion Ratio Lower Upper
 63 100
 65 32.0 22.7 42.1
 83 13.5 9.0 16.8



#20
 cis-1,2-Dichloroethene
 Concen: 52.525 ug/L
 RT: 4.22 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VU028952.D
 Acq: 24 Dec 2018 17:30

Tgt Ion: 96 Resp: 113244
 Ion Ratio Lower Upper
 96 100
 61 117.6 92.1 171.1
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 78.119 ug/L

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU028952.D

Acq: 24 Dec 2018 17:30

Instrument :

MSVOA_U

ClientSampled :

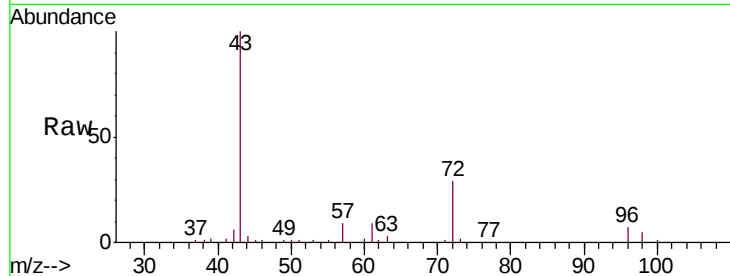
VSTD05047

Tgt Ion: 43 Resp: 149193

Ion Ratio Lower Upper

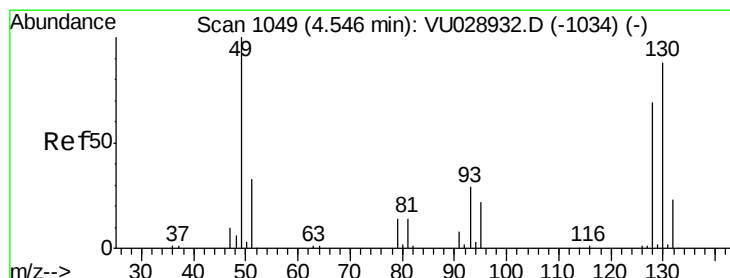
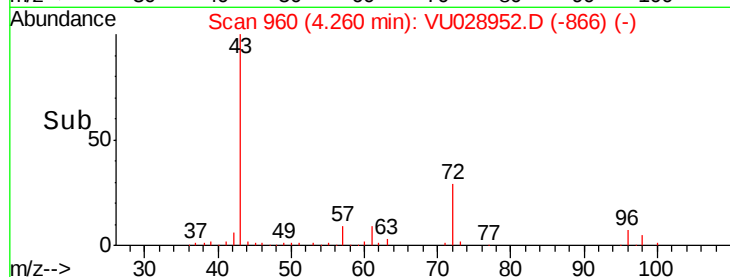
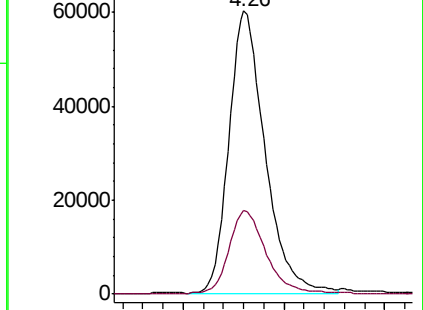
43 100

72 30.7 13.7 41.1



Abundance Ion 43.00 (42.70 to 43.70): VU028952.D (-960) (-)

Ion 72.00 (71.70 to 72.70): VU028952.D (-960) (-)



#23

Bromochloromethane

Concen: 53.699 ug/L

RT: 4.55 min Scan# 1049

Delta R.T. 0.00 min

Lab File: VU028952.D

Acq: 24 Dec 2018 17:30

Tgt Ion: 128 Resp: 55192

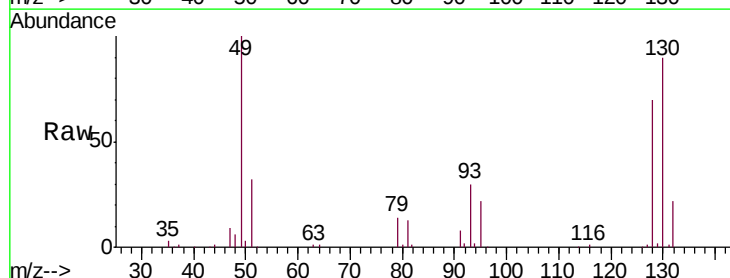
Ion Ratio Lower Upper

128 100

49 142.2 123.0 228.4

130 127.9 86.5 160.7

51 46.0 44.1 66.1

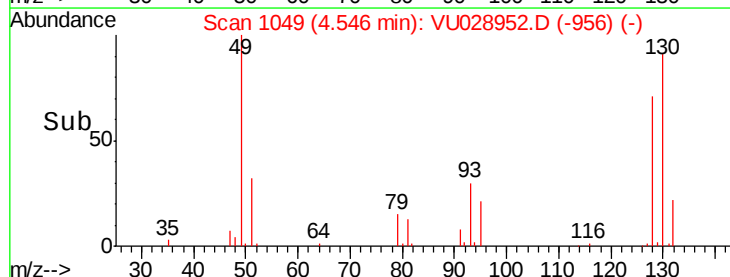
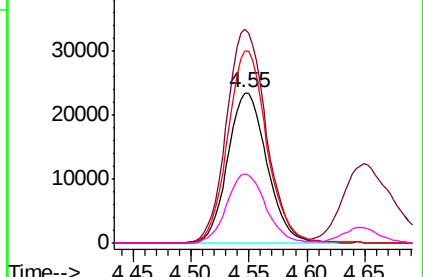


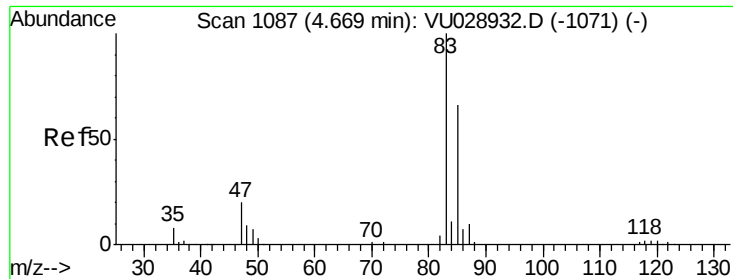
Abundance Ion 128.00 (127.70 to 128.70): VU028952.D (-956) (-)

Ion 49.00 (48.70 to 49.70): VU028952.D (-956) (-)

Ion 130.00 (129.70 to 130.70): VU028952.D (-956) (-)

Ion 51.00 (50.70 to 51.70): VU028952.D (-956) (-)

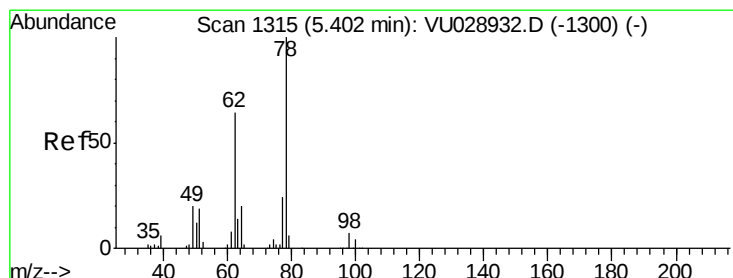
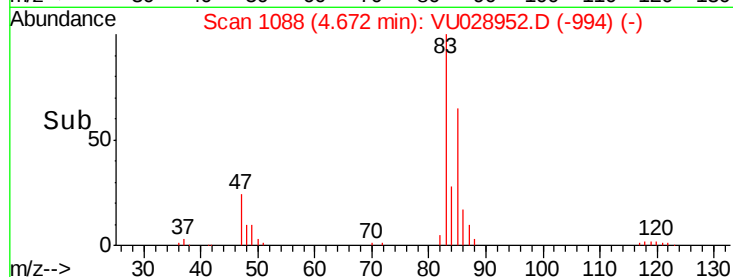
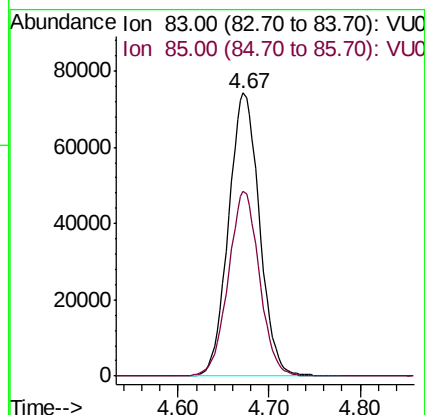
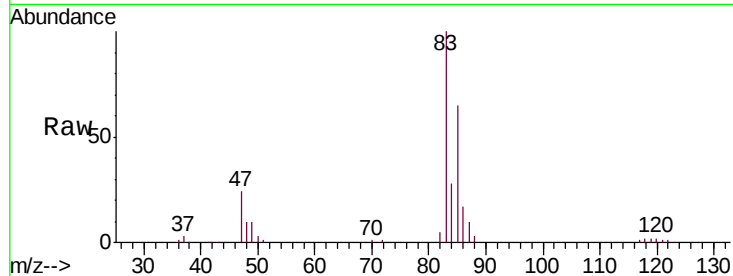




#25
Chloroform
Concen: 49.801 ug/L
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU028952.D
Acq: 24 Dec 2018 17:30

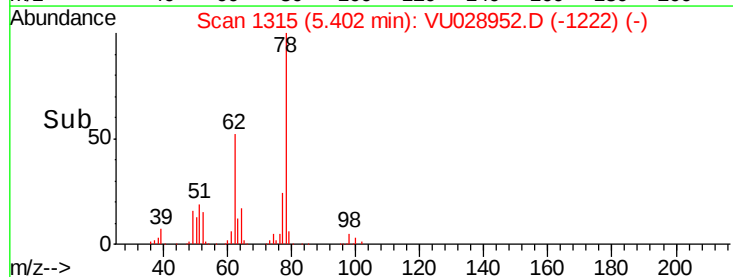
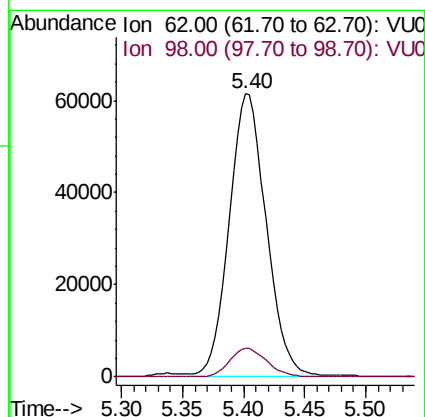
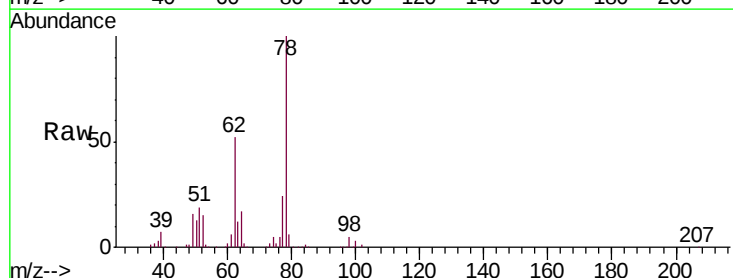
Instrument :
MSVOA_U
ClientSampleId :
VSTD05047

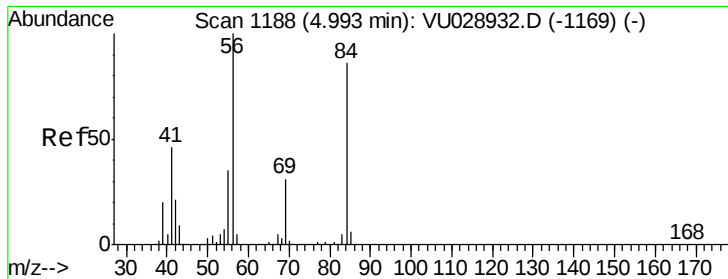
Tgt Ion: 83 Resp: 175373
Ion Ratio Lower Upper
83 100
85 65.4 45.6 84.6



#27
1,2-Dichloroethane
Concen: 49.598 ug/L
RT: 5.40 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU028952.D
Acq: 24 Dec 2018 17:30

Tgt Ion: 62 Resp: 129801
Ion Ratio Lower Upper
62 100
98 10.2 7.5 11.3

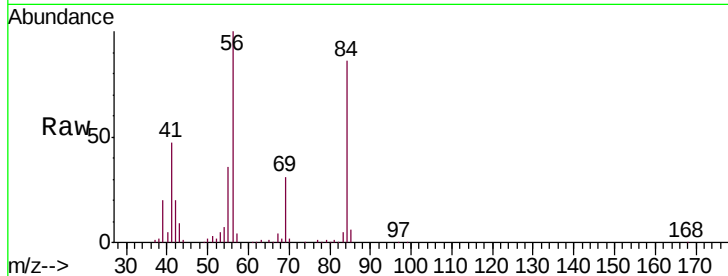




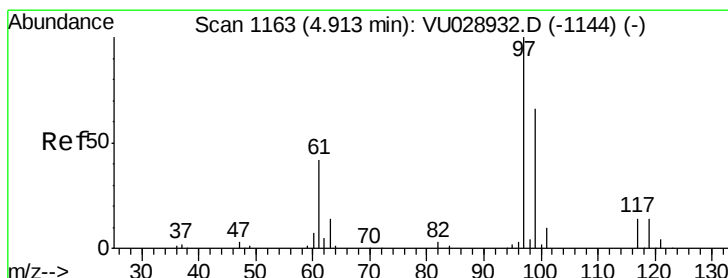
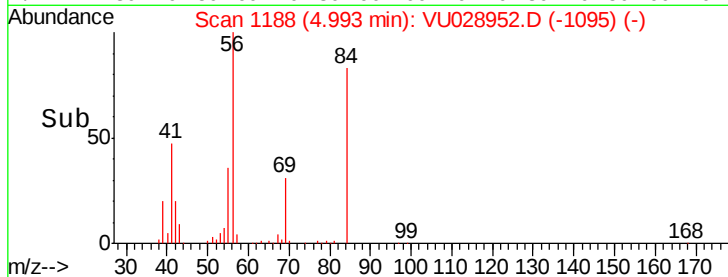
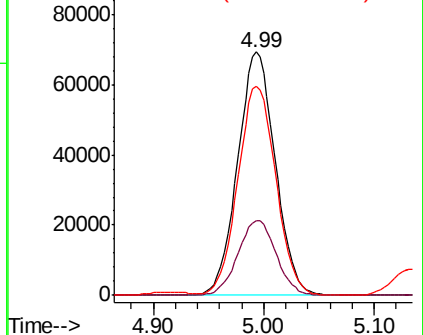
#29
Cyclohexane
Concen: 47.529 ug/L
RT: 4.99 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU028952.D
Acq: 24 Dec 2018 17:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD05047

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.2	23.8	35.8
84	87.3	63.8	95.8

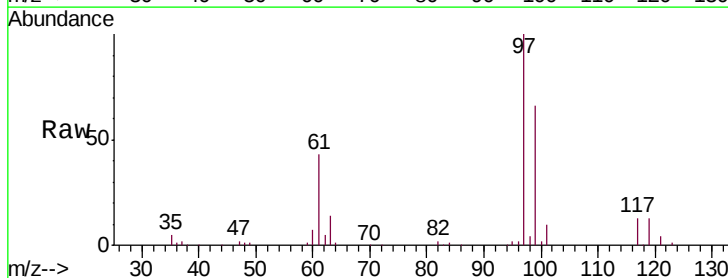


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

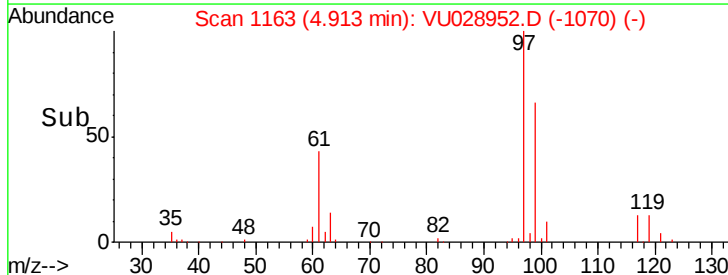
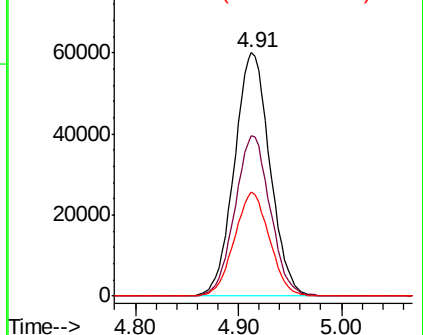


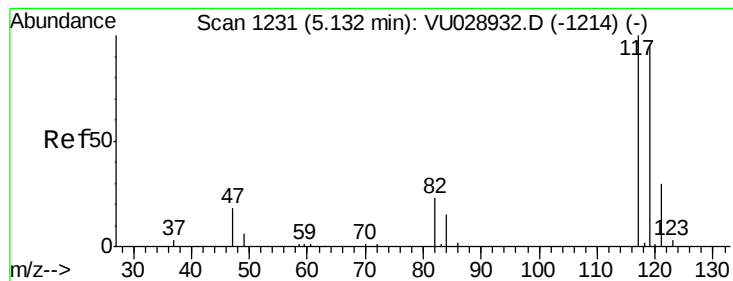
#30
1,1,1-Trichloroethane
Concen: 52.768 ug/L
RT: 4.91 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VU028952.D
Acq: 24 Dec 2018 17:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.2	76.8
61	42.0	36.1	54.1



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 52.730 ug/L

RT: 5.13 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VU028952.D

Acq: 24 Dec 2018 17:30

Instrument :

MSVOA_U

ClientSampleId :

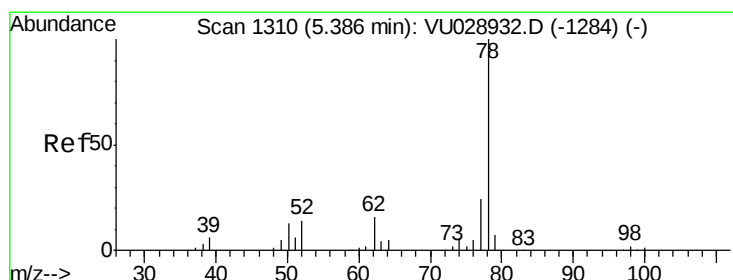
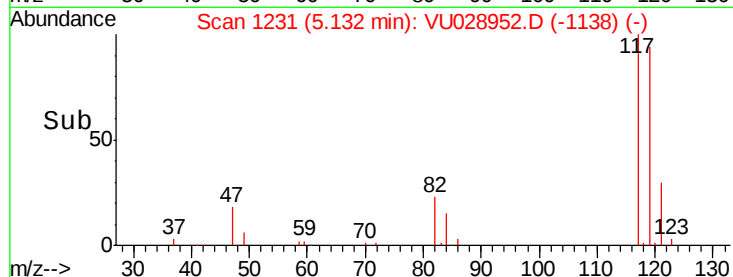
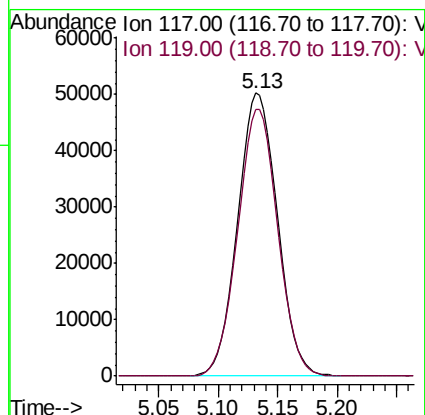
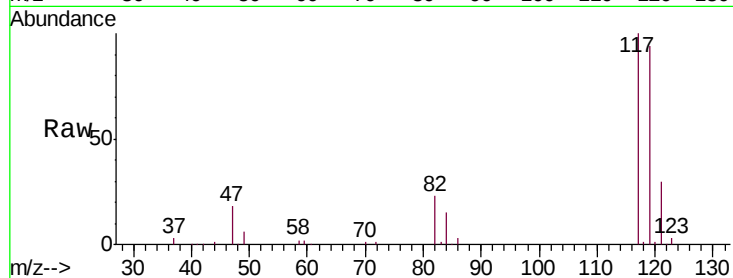
VSTD05047

Tgt Ion:117 Resp: 116234

Ion Ratio Lower Upper

117 100

119 95.0 77.0 115.6



#33

Benzene

Concen: 50.570 ug/L

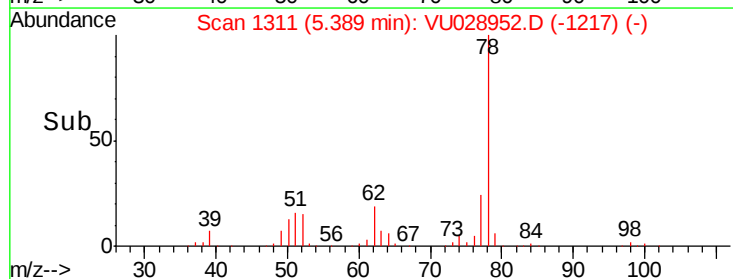
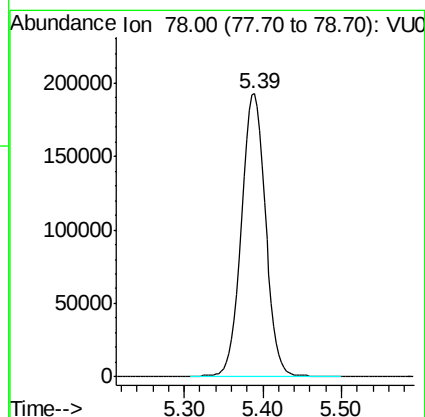
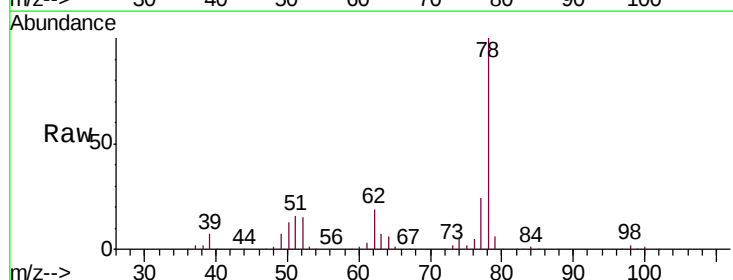
RT: 5.39 min Scan# 1311

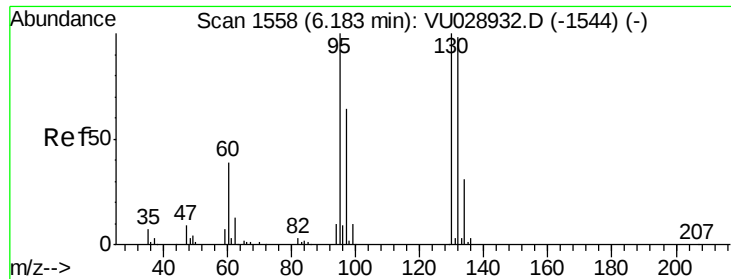
Delta R.T. 0.00 min

Lab File: VU028952.D

Acq: 24 Dec 2018 17:30

Tgt Ion: 78 Resp: 415796

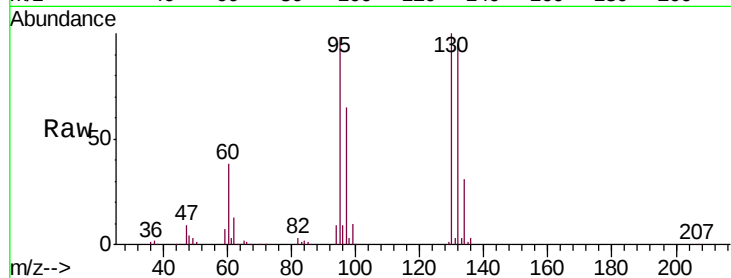




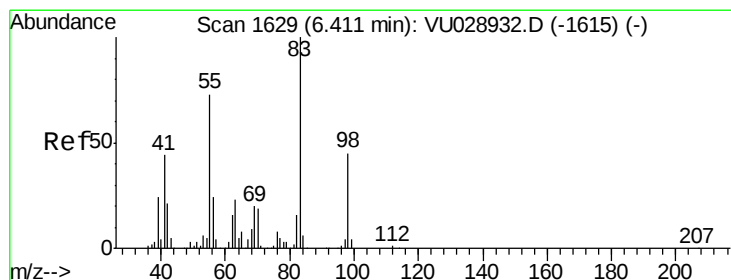
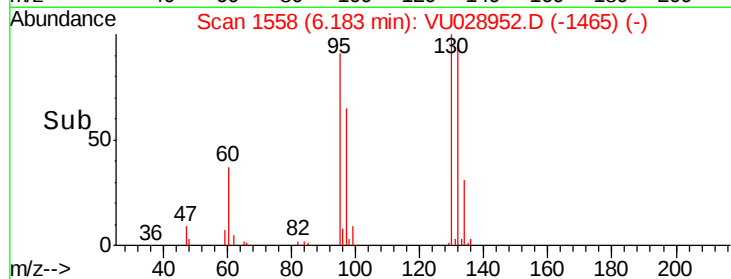
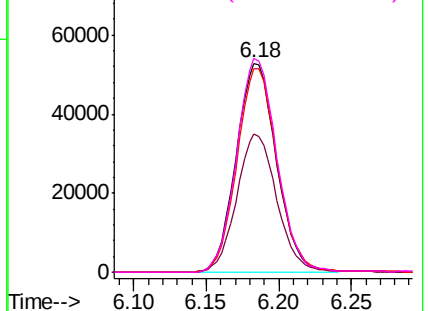
#34
 Trichloroethene
 Concen: 51.440 ug/L
 RT: 6.18 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: VU028952.D
 Acq: 24 Dec 2018 17:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

Tgt Ion: 95 Resp: 102110
 Ion Ratio Lower Upper
 95 100
 97 66.0 43.3 80.3
 132 97.4 64.2 119.2
 130 102.1 67.1 124.7

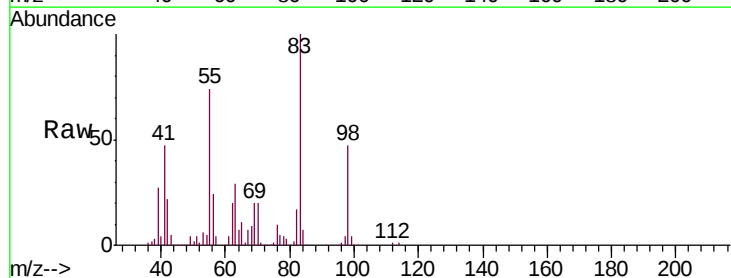


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

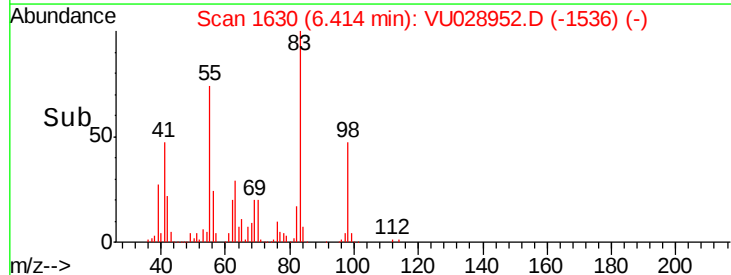
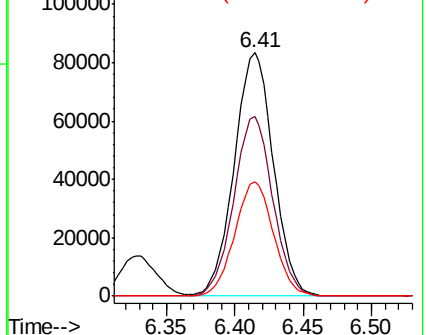


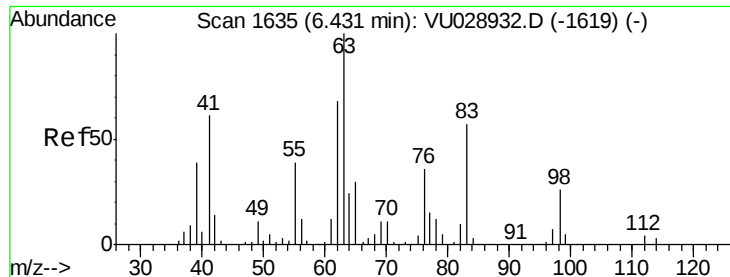
#35
 Methylcyclohexane
 Concen: 50.288 ug/L
 RT: 6.41 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VU028952.D
 Acq: 24 Dec 2018 17:30

Tgt Ion: 83 Resp: 166257
 Ion Ratio Lower Upper
 83 100
 55 73.4 63.7 95.5
 98 46.4 35.6 53.4



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

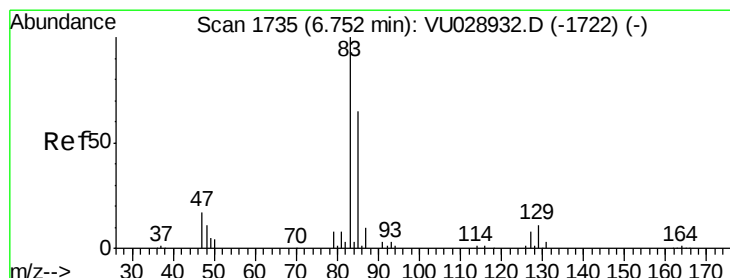
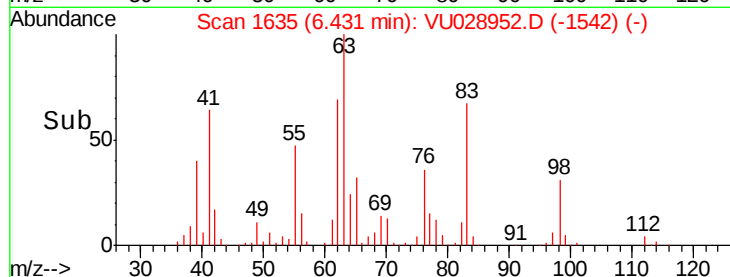
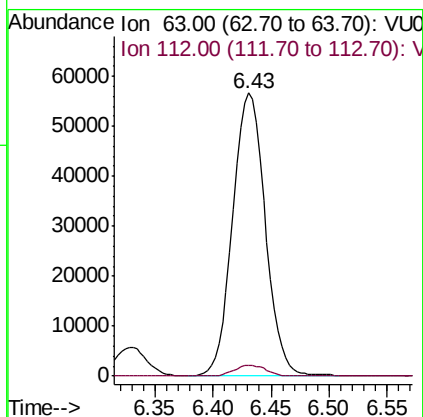
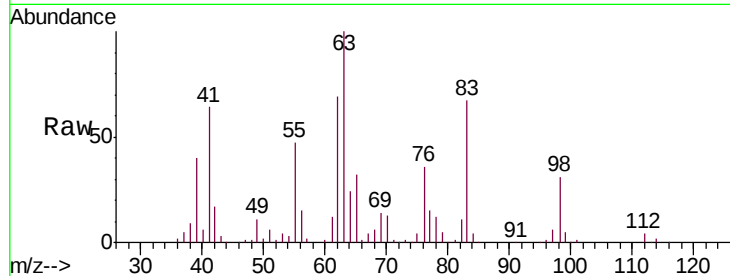




#37
 1,2-Dichloropropane
 Concen: 48.310 ug/L
 RT: 6.43 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VU028952.D
 Acq: 24 Dec 2018 17:30

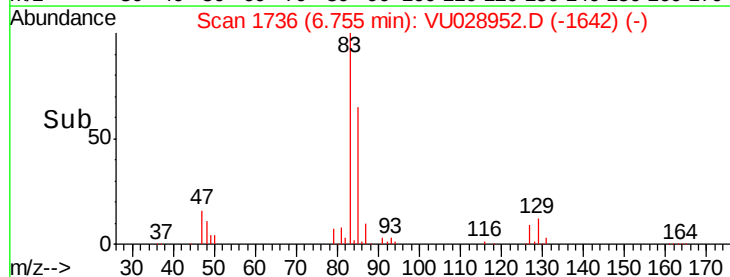
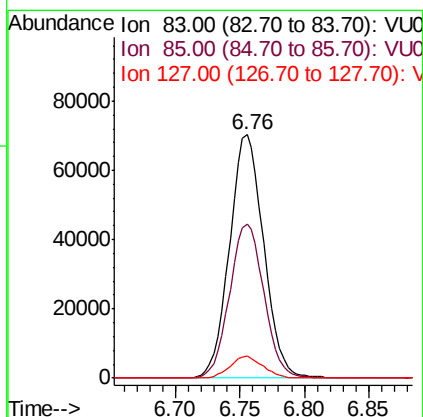
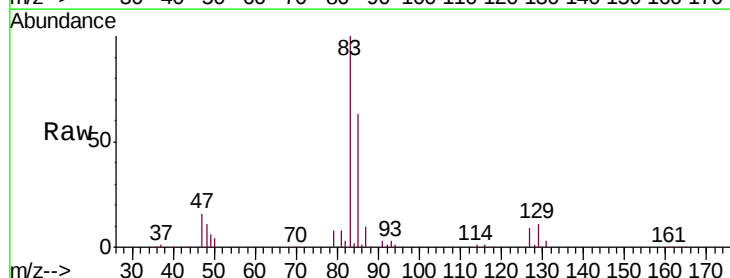
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

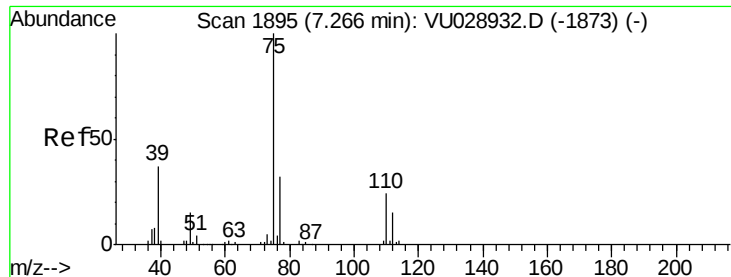
Tgt Ion: 63 Resp: 111036
 Ion Ratio Lower Upper
 63 100
 112 3.8 2.7 4.1



#38
 Bromodichloromethane
 Concen: 50.899 ug/L
 RT: 6.76 min Scan# 1736
 Delta R.T. 0.00 min
 Lab File: VU028952.D
 Acq: 24 Dec 2018 17:30

Tgt Ion: 83 Resp: 129549
 Ion Ratio Lower Upper
 83 100
 85 63.2 45.4 84.2
 127 8.9 6.2 9.2



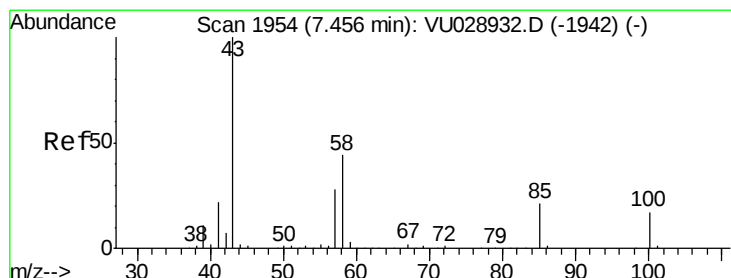
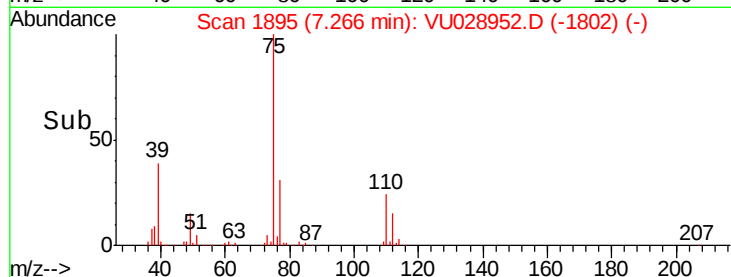
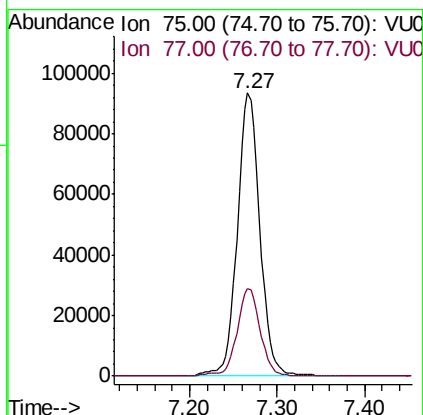
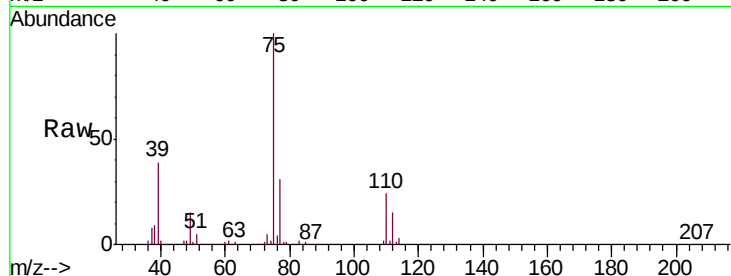


#39

cis-1,3-Dichloropropene
 Concen: 51.115 ug/L
 RT: 7.27 min Scan# 1895
 Delta R.T. 0.00 min
 Lab File: VU028952.D
 Acq: 24 Dec 2018 17:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

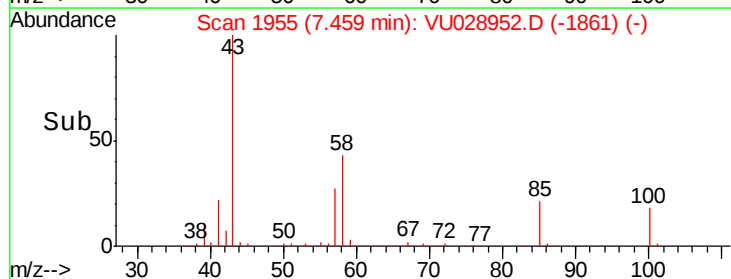
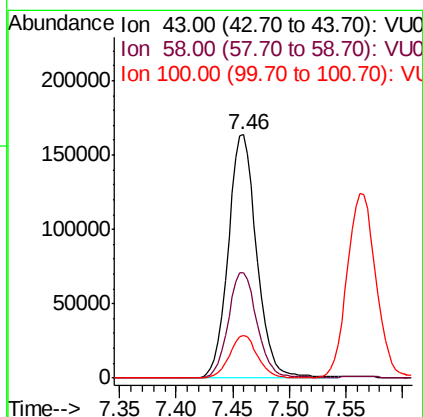
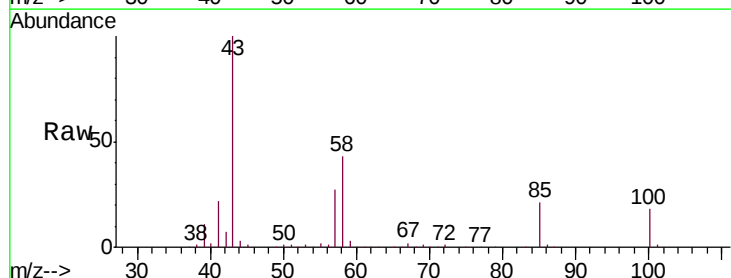
Tgt Ion: 75 Resp: 167492
 Ion Ratio Lower Upper
 75 100
 77 31.0 21.8 40.6

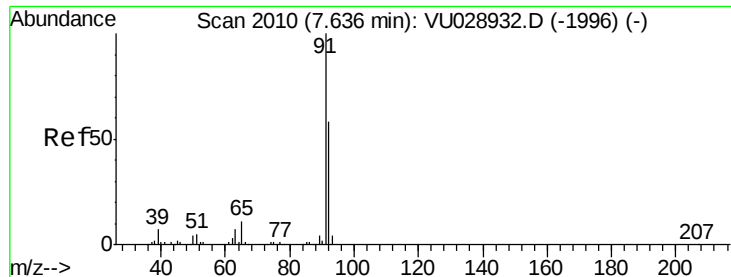


#40

4-Methyl-2-pentanone
 Concen: 92.807 ug/L
 RT: 7.46 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VU028952.D
 Acq: 24 Dec 2018 17:30

Tgt Ion: 43 Resp: 286706
 Ion Ratio Lower Upper
 43 100
 58 44.2 33.1 49.7
 100 17.2 11.5 17.3





#42

Toluene

Concen: 52.912 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028952.D

Acq: 24 Dec 2018 17:30

Instrument :

MSVOA_U

ClientSampleId :

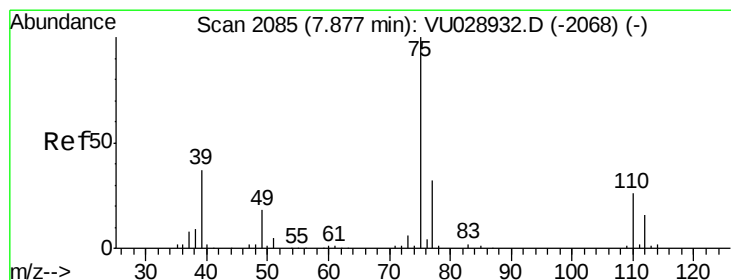
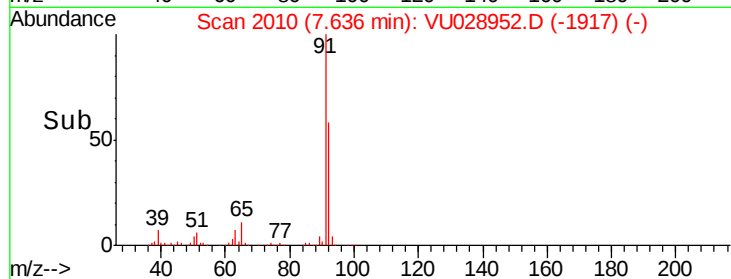
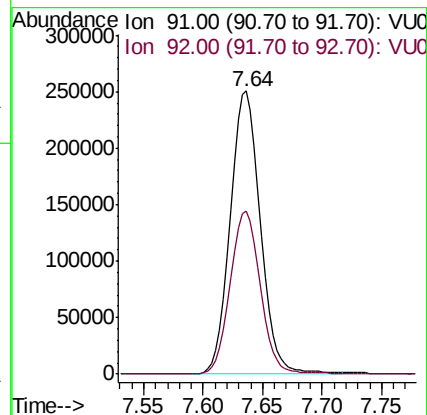
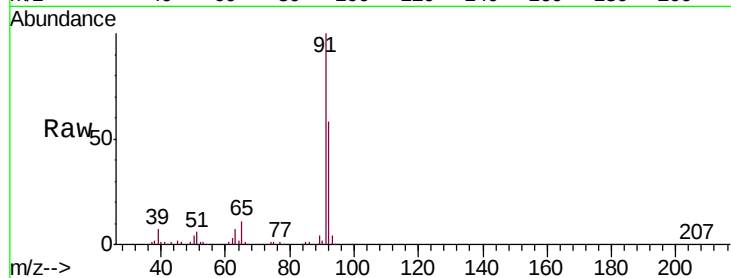
VSTD05047

Tgt Ion: 91 Resp: 441007

Ion Ratio Lower Upper

91 100

92 57.5 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 50.940 ug/L

RT: 7.88 min Scan# 2085

Delta R.T. 0.00 min

Lab File: VU028952.D

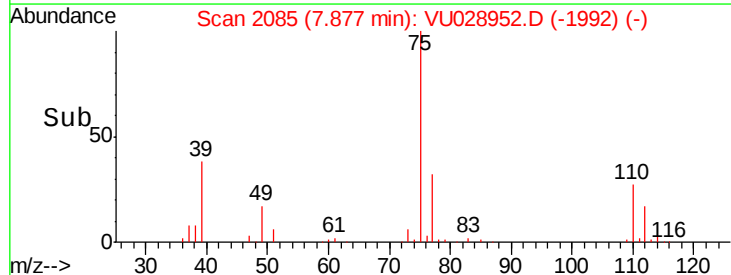
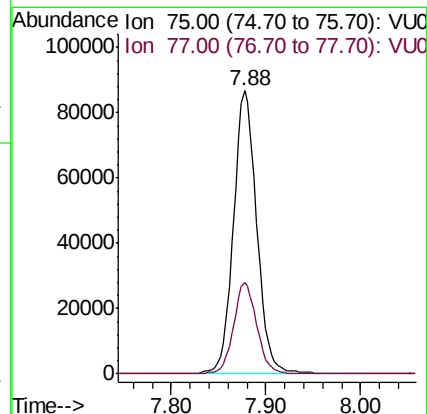
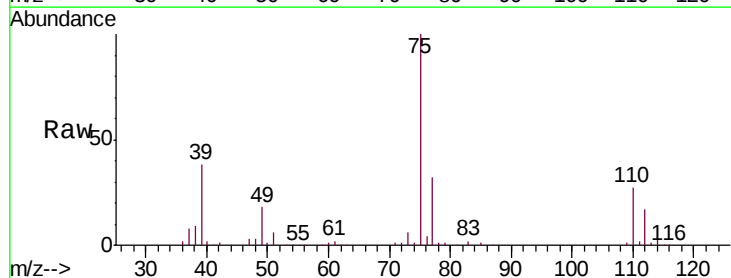
Acq: 24 Dec 2018 17:30

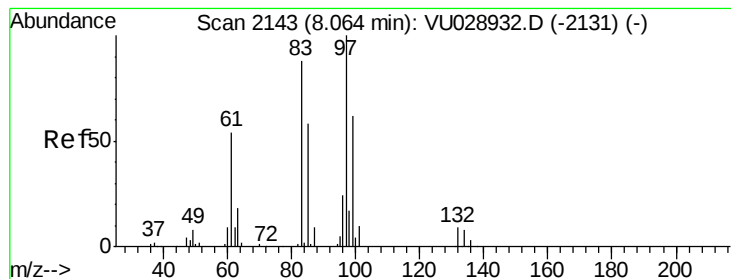
Tgt Ion: 75 Resp: 148790

Ion Ratio Lower Upper

75 100

77 32.4 21.8 40.6





#45

1,1,2-Trichloroethane

Concen: 52.764 ug/L

RT: 8.06 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VU028952.D

Acq: 24 Dec 2018 17:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

Tgt Ion: 97 Resp: 103689

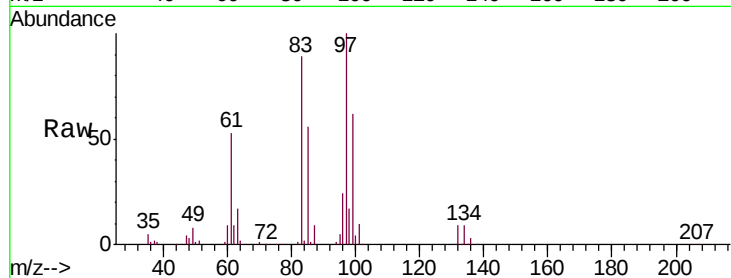
Ion Ratio Lower Upper

97 100

99 62.4 44.2 82.2

83 88.7 64.5 119.9

85 56.5 40.9 75.9

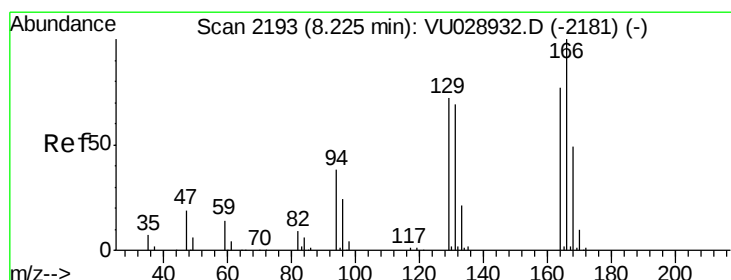
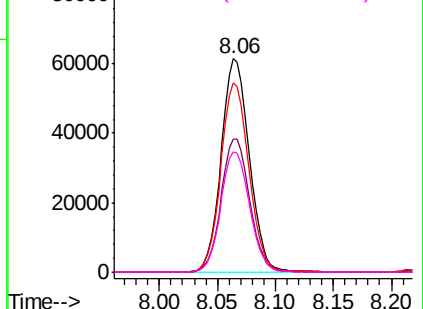
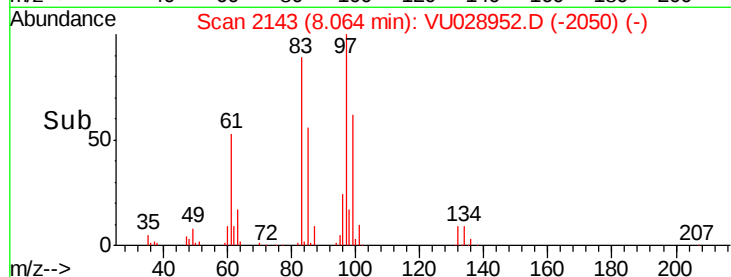


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 54.391 ug/L

RT: 8.22 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU028952.D

Acq: 24 Dec 2018 17:30

Tgt Ion: 164 Resp: 83154

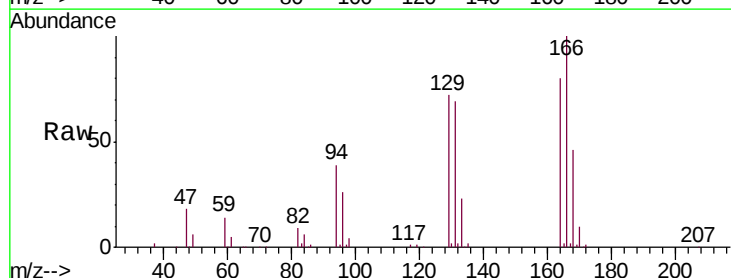
Ion Ratio Lower Upper

164 100

129 90.6 66.8 124.0

131 86.8 64.2 119.2

166 125.6 90.8 168.6

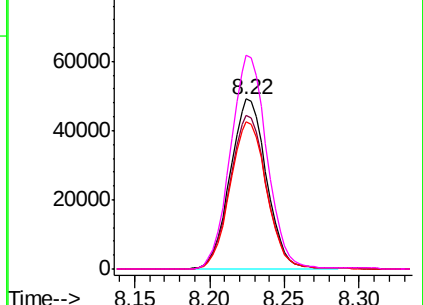
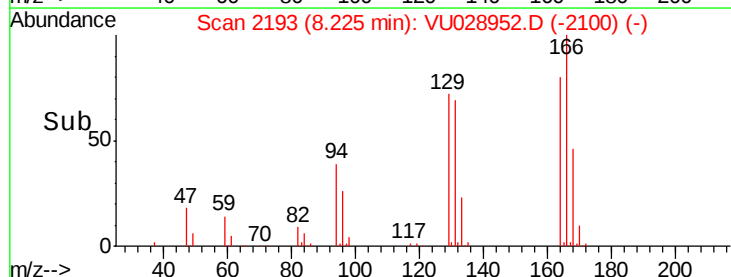


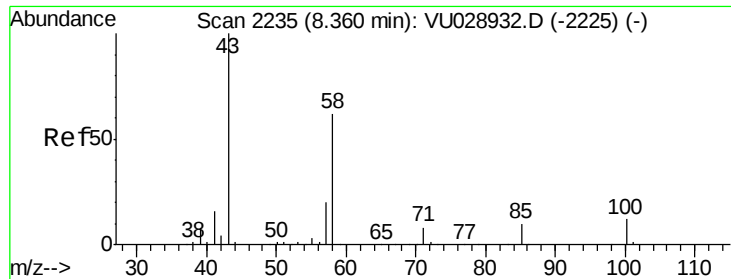
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

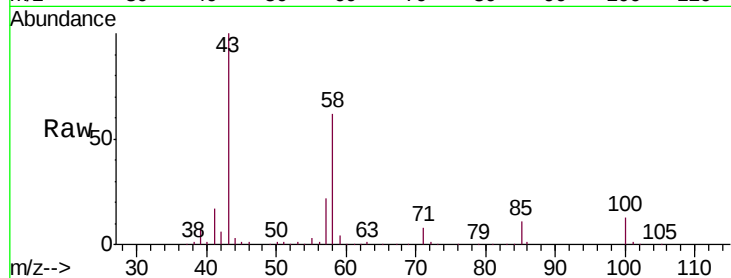




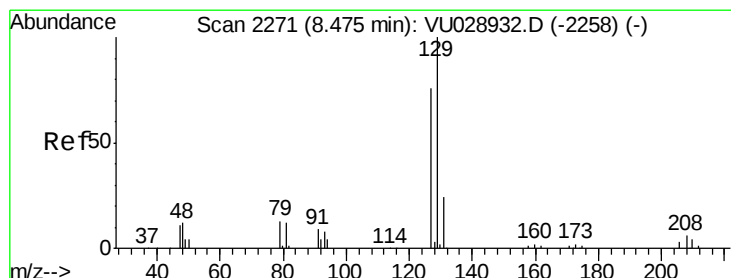
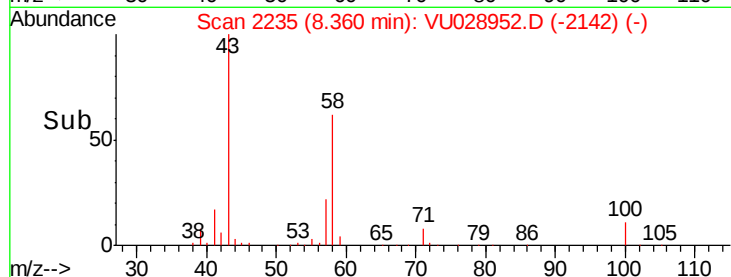
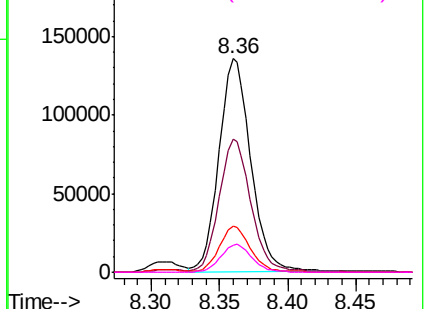
#48
2-Hexanone
Concen: 86.760 ug/L
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU028952.D
Acq: 24 Dec 2018 17:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD05047

Tgt Ion:	43	Resp:	219985
Ion	Ratio	Lower	Upper
43	100		
58	61.4	45.9	68.9
57	21.2	15.0	22.4
100	13.1	8.7	13.1

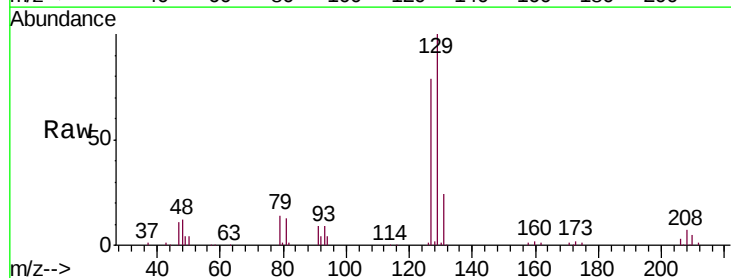


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

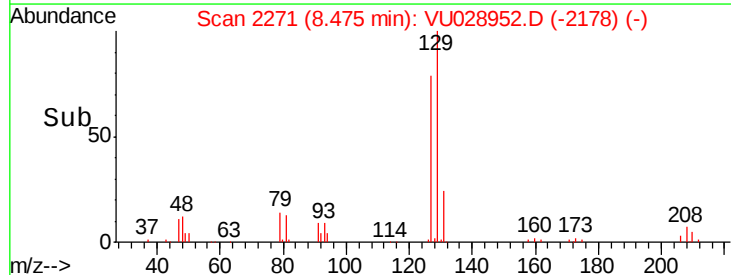
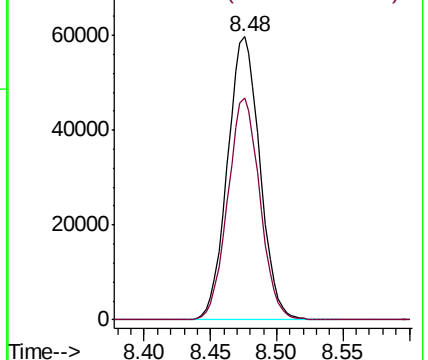


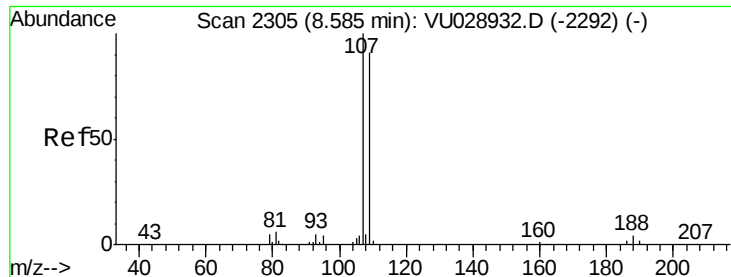
#49
Dibromochloromethane
Concen: 51.867 ug/L
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU028952.D
Acq: 24 Dec 2018 17:30

Tgt Ion:	129	Resp:	101525
Ion	Ratio	Lower	Upper
129	100		
127	78.6	54.1	100.5



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

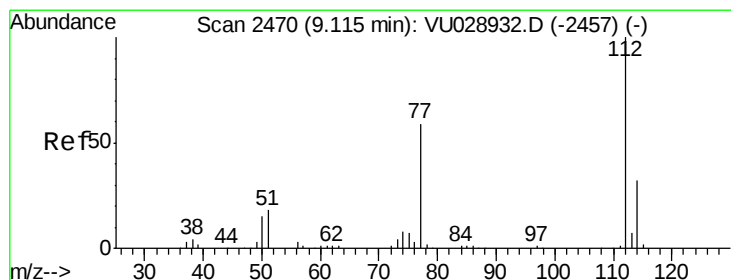
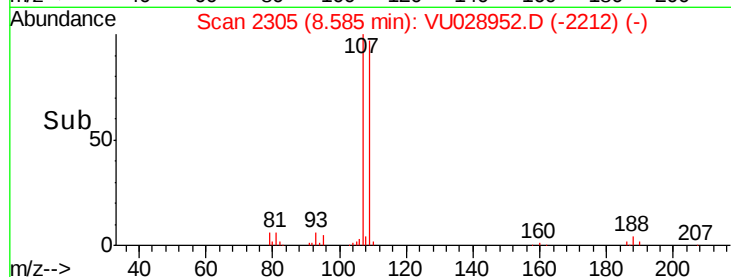
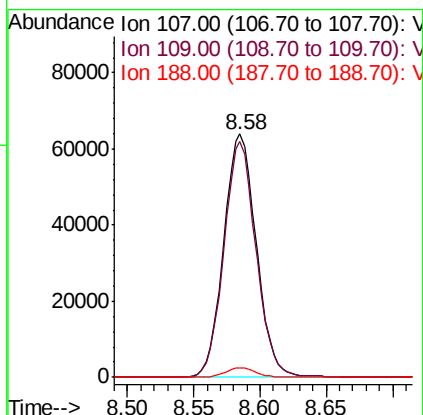
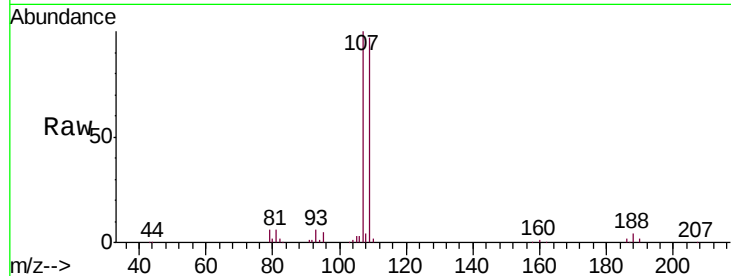




#50
1,2-Dibromoethane
Concen: 53.455 ug/L
RT: 8.58 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VU028952.D
Acq: 24 Dec 2018 17:30

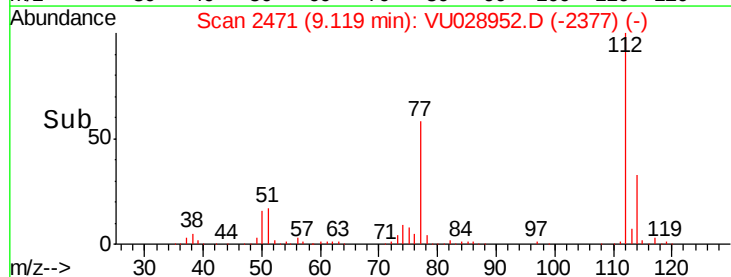
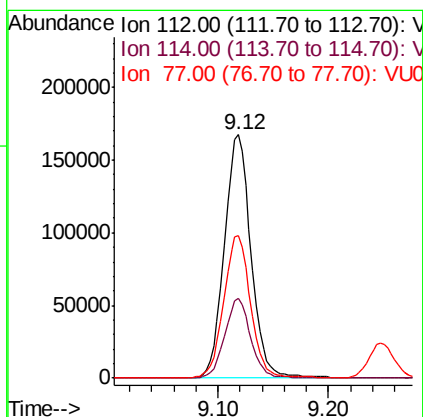
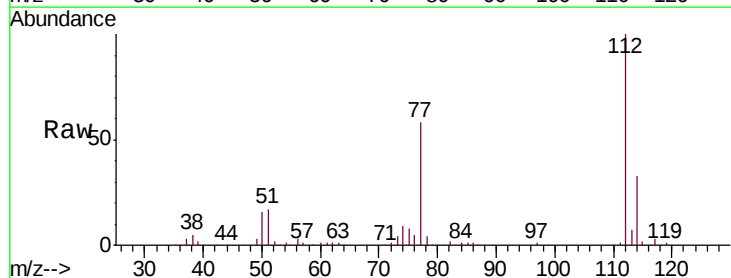
Instrument :
MSVOA_U
ClientSampleId :
VSTD05047

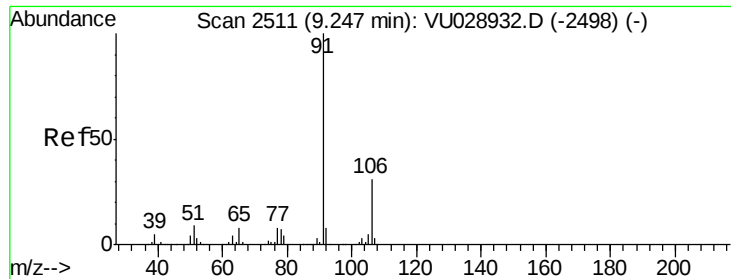
Tgt Ion:107 Resp: 109294
Ion Ratio Lower Upper
107 100
109 97.1 66.0 122.6
188 4.0 3.1 4.7



#51
Chlorobenzene
Concen: 53.439 ug/L
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028952.D
Acq: 24 Dec 2018 17:30

Tgt Ion:112 Resp: 280707
Ion Ratio Lower Upper
112 100
114 32.6 22.2 41.2
77 58.3 47.8 71.8





#52

Ethylbenzene

Concen: 53.521 ug/L

RT: 9.25 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VU028952.D

Acq: 24 Dec 2018 17:30

Instrument :

MSVOA_U

ClientSampleId :

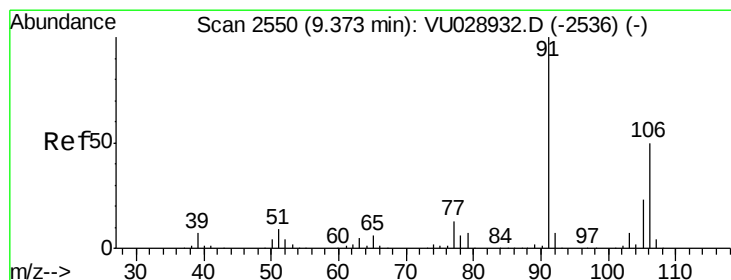
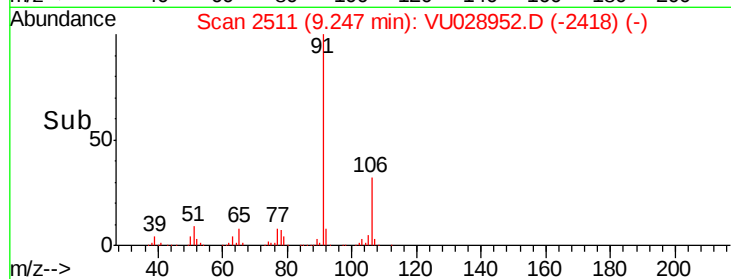
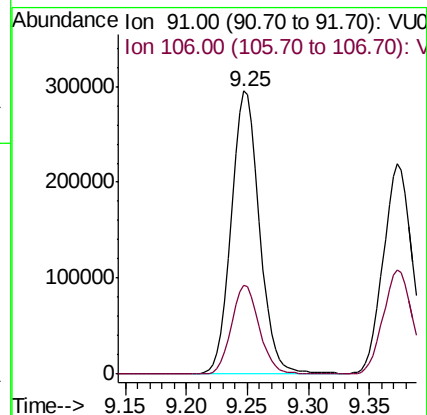
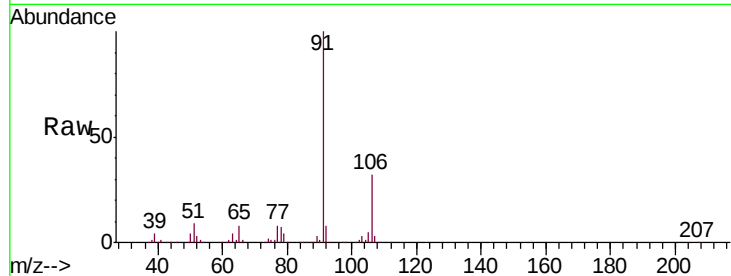
VSTD05047

Tgt Ion: 91 Resp: 479320

Ion Ratio Lower Upper

91 100

106 31.5 20.9 38.9



#53

m,p-Xylene

Concen: 55.221 ug/L

RT: 9.37 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VU028952.D

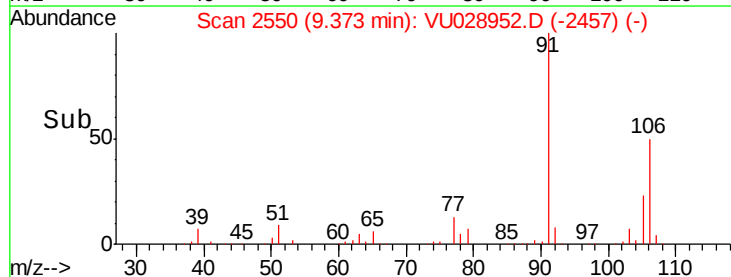
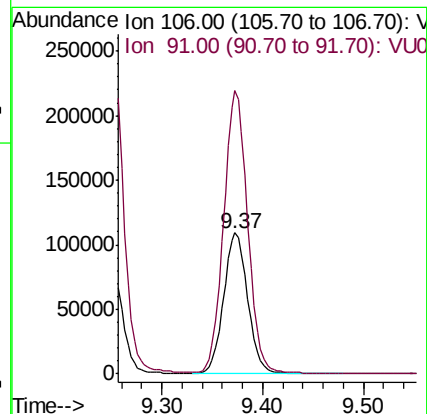
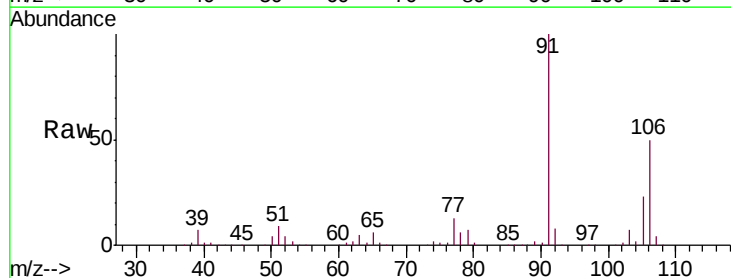
Acq: 24 Dec 2018 17:30

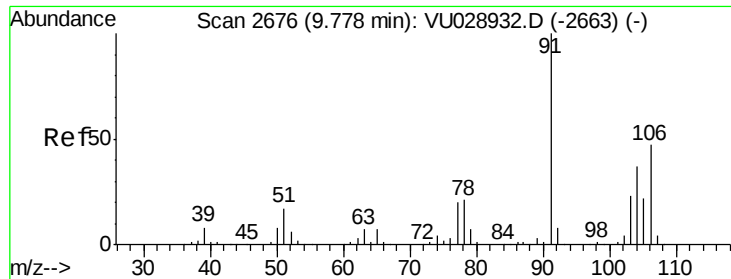
Tgt Ion: 106 Resp: 182877

Ion Ratio Lower Upper

106 100

91 201.0 144.1 267.5

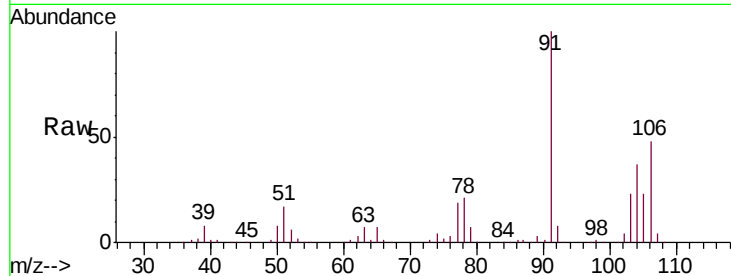




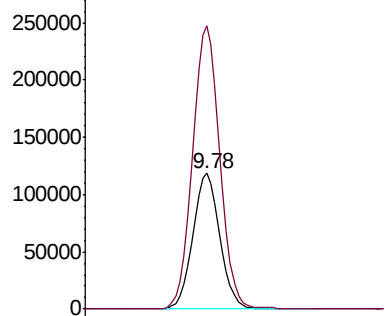
#54
o-xylene
Concen: 55.621 ug/L
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028952.D
Acq: 24 Dec 2018 17:30

Instrument :
MSVOA_U
ClientSampleId :
VSTD05047

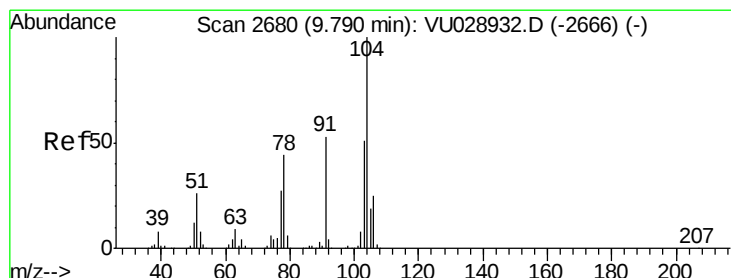
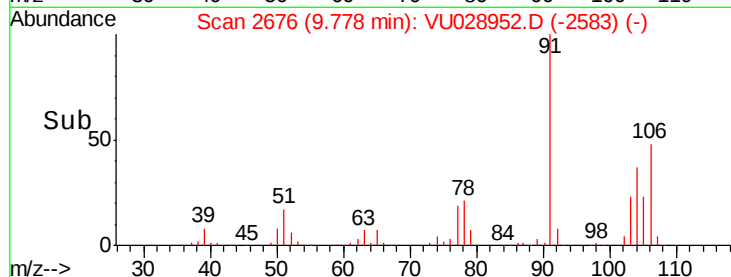
Tgt Ion:106 Resp: 184618
Ion Ratio Lower Upper
106 100
91 208.4 150.4 279.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

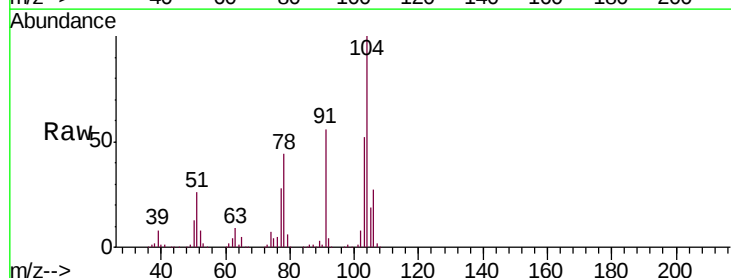


Time-->

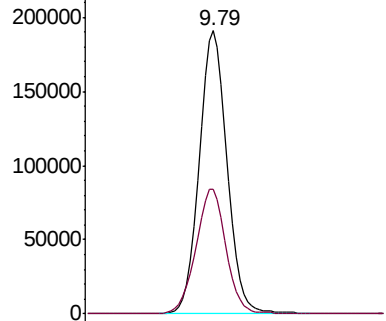


#55
Styrene
Concen: 54.932 ug/L
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU028952.D
Acq: 24 Dec 2018 17:30

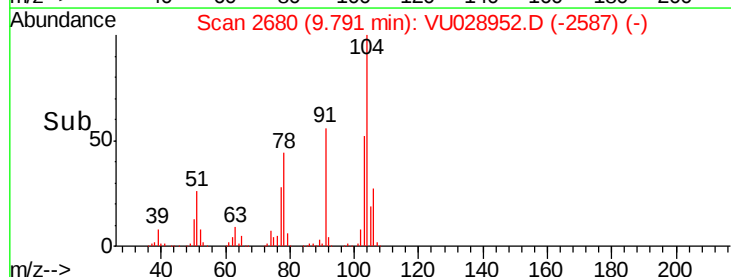
Tgt Ion:104 Resp: 308802
Ion Ratio Lower Upper
104 100
78 43.9 31.3 58.1

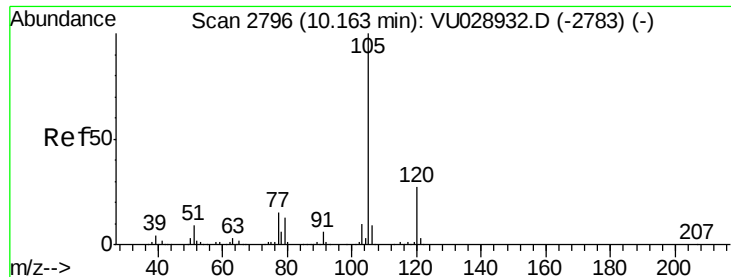


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0



Time-->





#56

Isopropylbenzene

Concen: 55.214 ug/L

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU028952.D

Acq: 24 Dec 2018 17:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

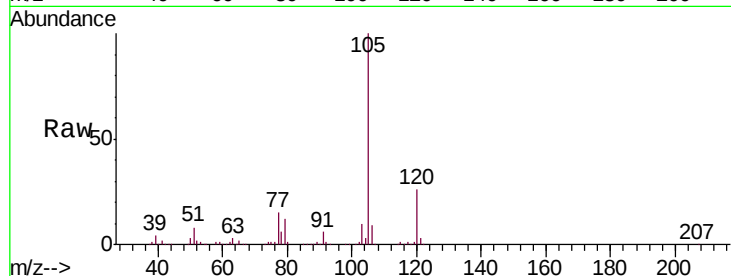
Tgt Ion: 105 Resp: 464907

Ion Ratio Lower Upper

105 100

120 26.6 21.4 32.2

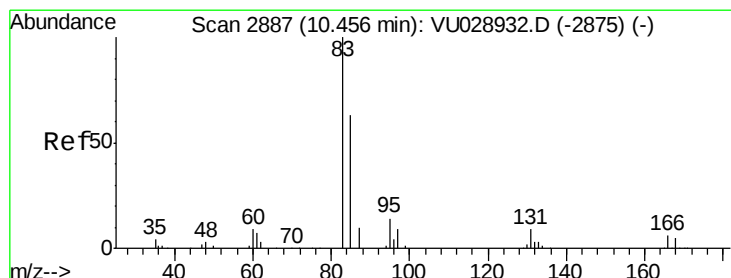
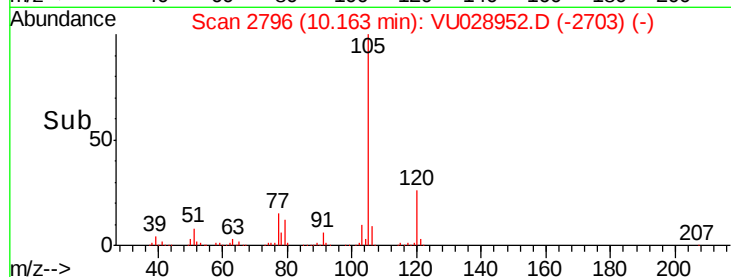
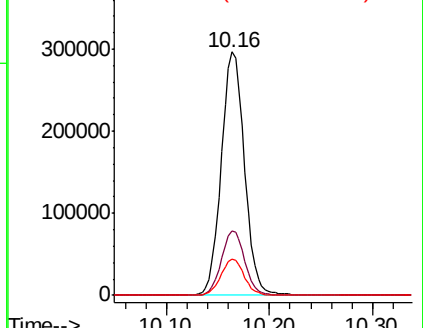
77 14.9 12.3 18.5



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: 50.229 ug/L

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU028952.D

Acq: 24 Dec 2018 17:30

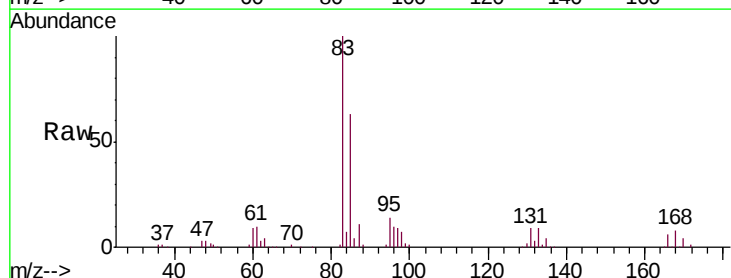
Tgt Ion: 83 Resp: 179319

Ion Ratio Lower Upper

83 100

85 63.3 45.3 84.1

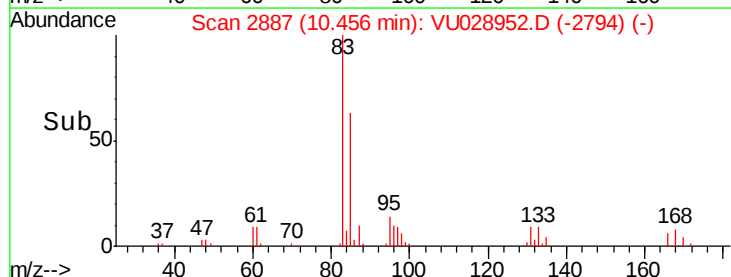
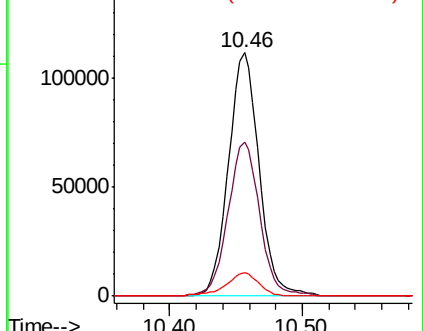
131 9.4 6.7 10.1

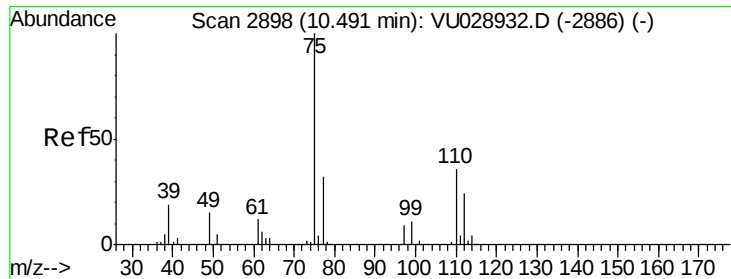


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

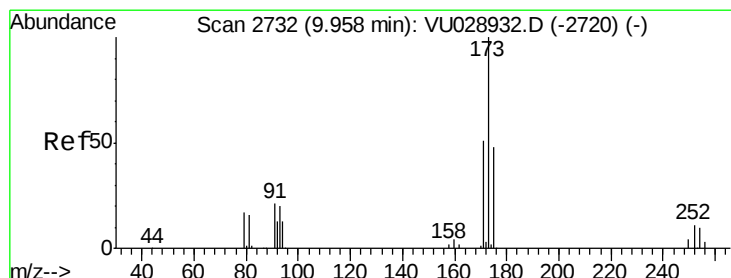
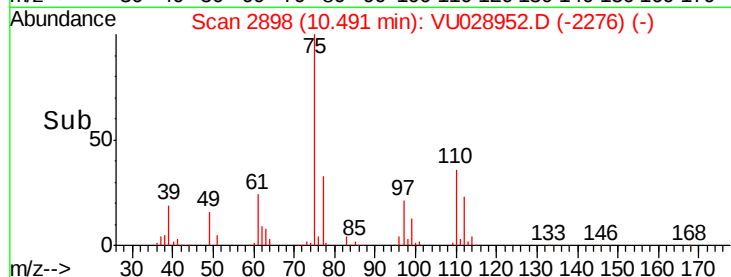
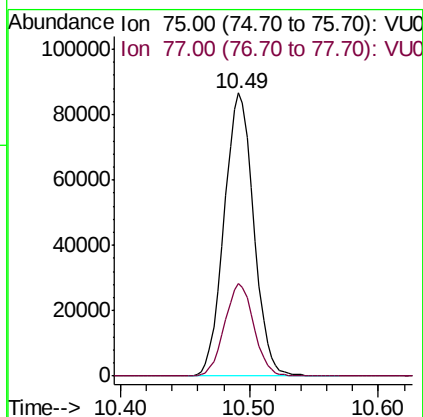
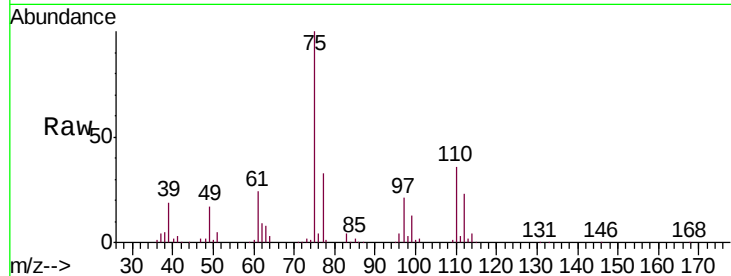




#59
 1,2,3-Trichloropropane
 Concen: 50.231 ug/L
 RT: 10.49 min Scan# 2898
 Delta R.T. 0.00 min
 Lab File: VU028952.D
 Acq: 24 Dec 2018 17:30

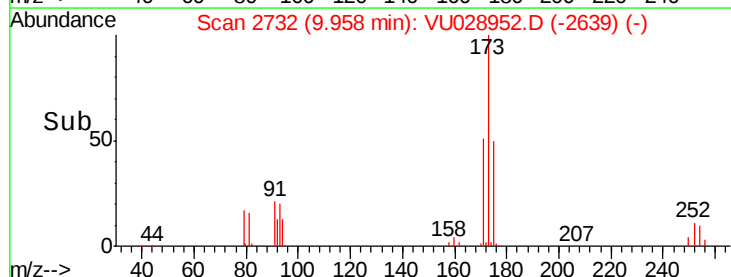
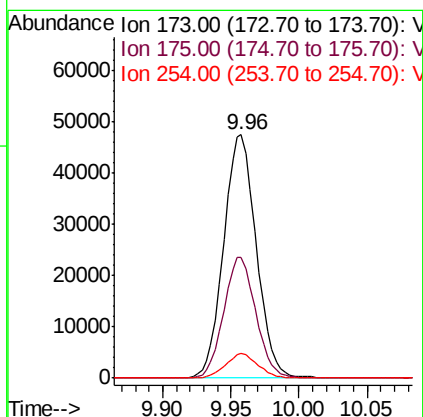
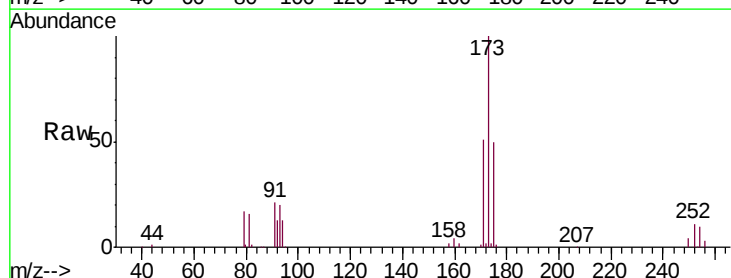
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

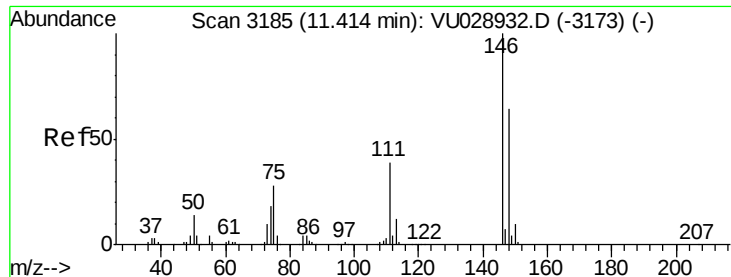
Tgt Ion: 75 Resp: 137774
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.5 38.3



#61
 Bromoform
 Concen: 50.502 ug/L
 RT: 9.96 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VU028952.D
 Acq: 24 Dec 2018 17:30

Tgt Ion: 173 Resp: 78694
 Ion Ratio Lower Upper
 173 100
 175 48.9 38.9 58.3
 254 10.0 7.8 11.8





#62

1,3-Dichlorobenzene

Concen: 53.893 ug/L

RT: 11.41 min Scan# 3185

Delta R.T. 0.00 min

Lab File: VU028952.D

Acq: 24 Dec 2018 17:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

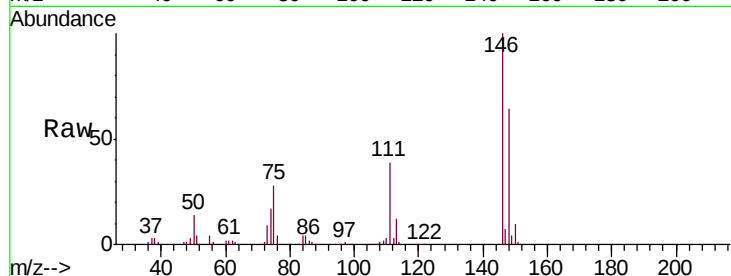
Tgt Ion:146 Resp: 215198

Ion Ratio Lower Upper

146 100

111 38.7 27.4 50.8

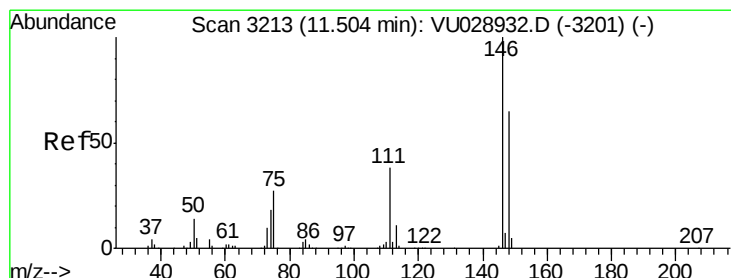
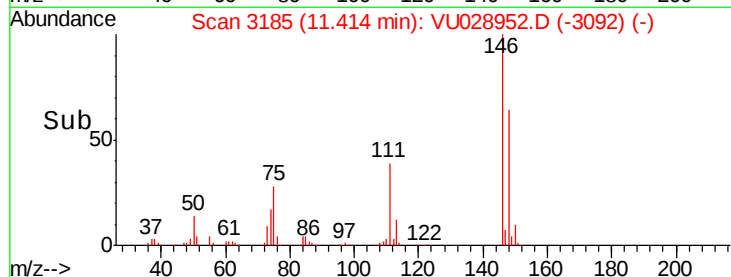
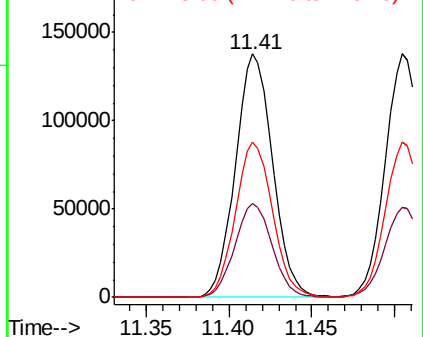
148 63.9 44.2 82.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 52.301 ug/L

RT: 11.50 min Scan# 3213

Delta R.T. 0.00 min

Lab File: VU028952.D

Acq: 24 Dec 2018 17:30

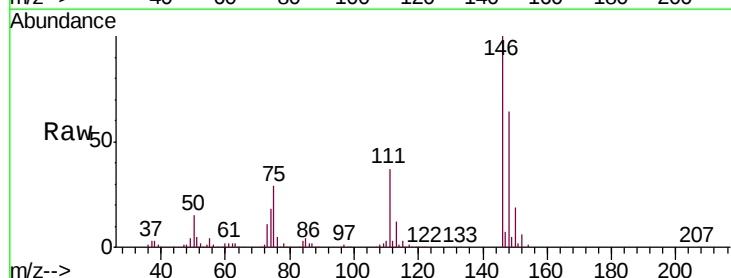
Tgt Ion:146 Resp: 215166

Ion Ratio Lower Upper

146 100

111 37.1 26.5 49.1

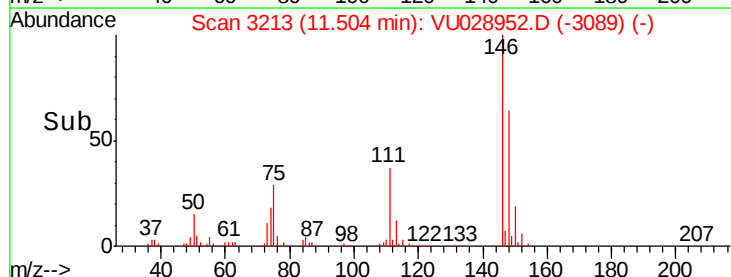
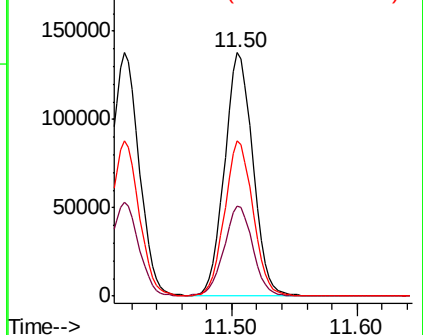
148 63.9 45.1 83.9

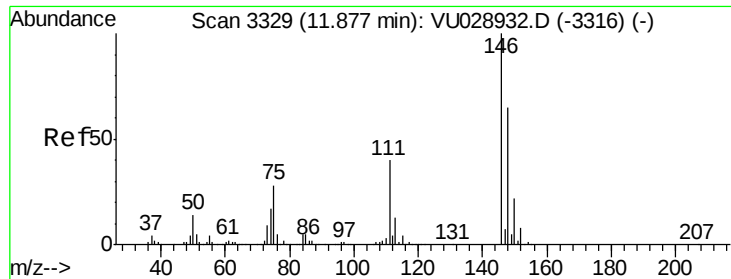


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

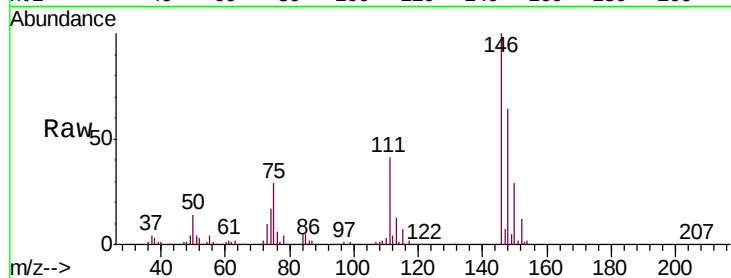




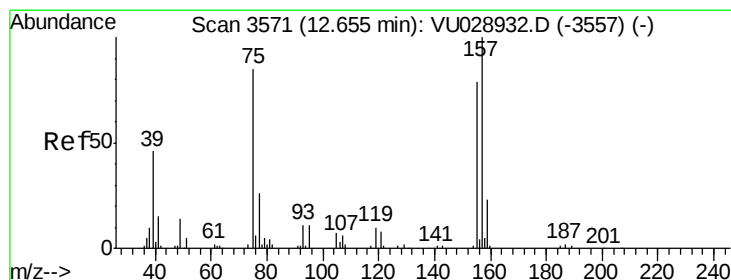
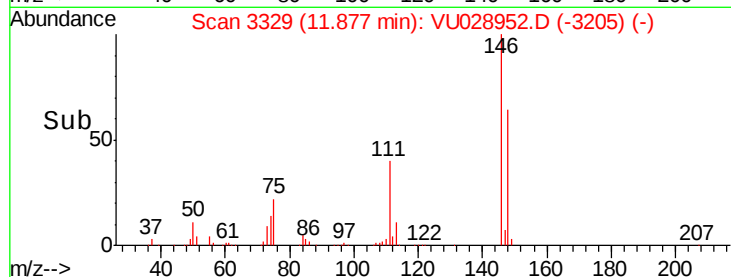
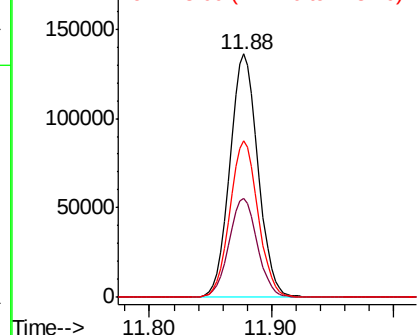
#65
 1,2-Dichlorobenzene
 Concen: 52.765 ug/L
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU028952.D
 Acq: 24 Dec 2018 17:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

Tgt Ion: 146 Resp: 219788
 Ion Ratio Lower Upper
 146 100
 111 40.9 32.1 48.1
 148 64.3 49.7 74.5

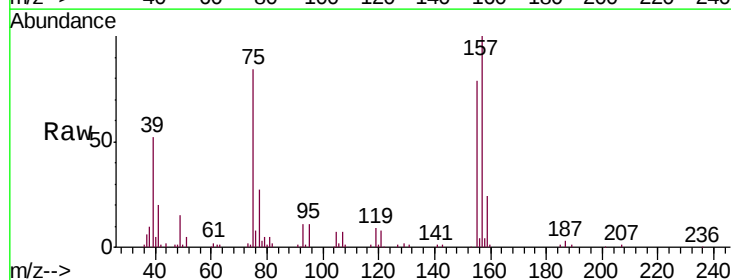


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

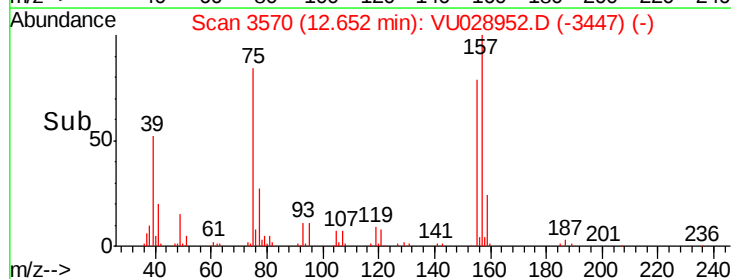
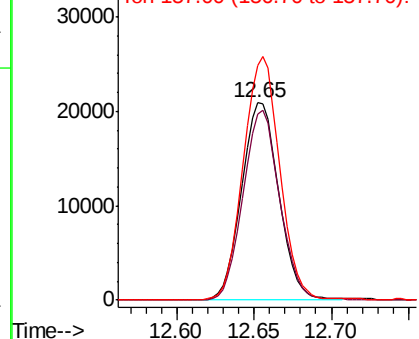


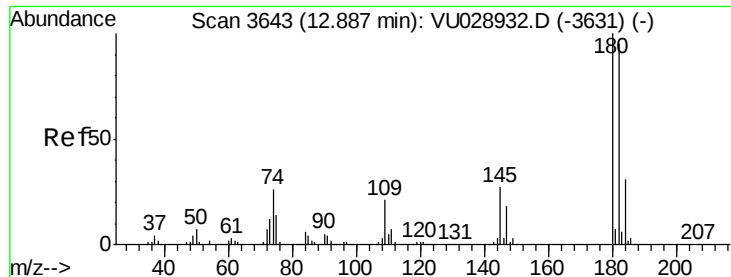
#66
 1,2-Dibromo-3-chloropropane
 Concen: 48.728 ug/L
 RT: 12.65 min Scan# 3570
 Delta R.T. -0.00 min
 Lab File: VU028952.D
 Acq: 24 Dec 2018 17:30

Tgt Ion: 75 Resp: 35011
 Ion Ratio Lower Upper
 75 100
 155 94.3 71.4 107.2
 157 119.3 89.6 134.4



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

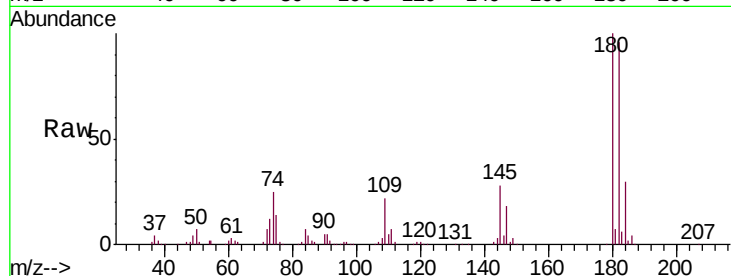




#67
 1,3,5-Trichlorobenzene
 Concen: 53.017 ug/L
 RT: 12.88 min Scan# 3642
 Delta R.T. -0.00 min
 Lab File: VU028952.D
 Acq: 24 Dec 2018 17:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.4	114.6
184	30.3	24.6	36.8
145	27.9	22.1	33.1



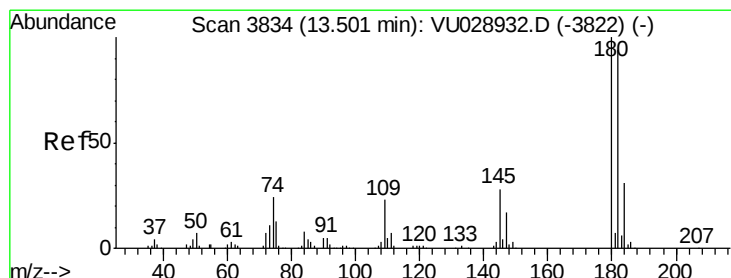
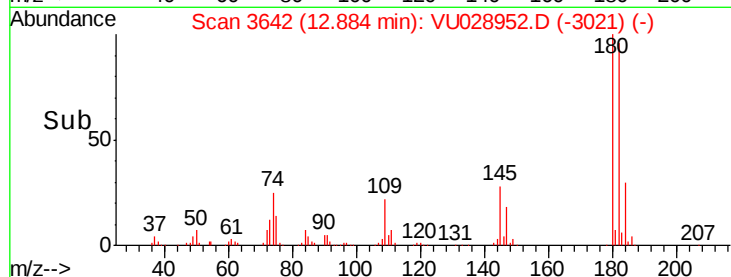
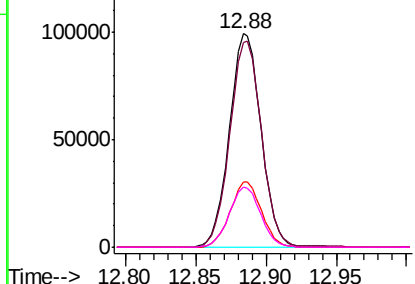
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

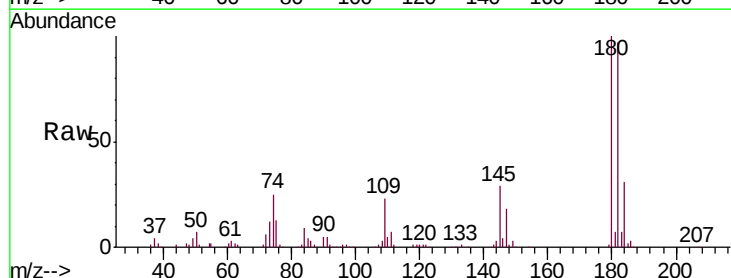
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 57.191 ug/L
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU028952.D
 Acq: 24 Dec 2018 17:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.3	77.4	116.0
145	28.6	23.5	35.3

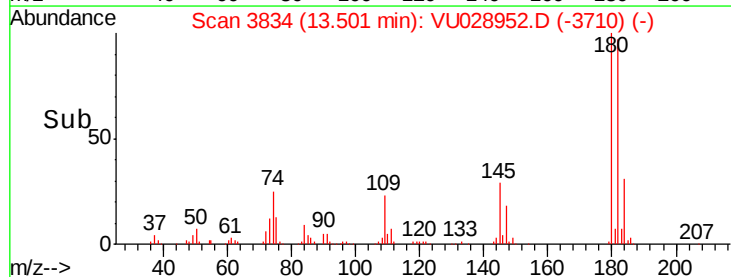
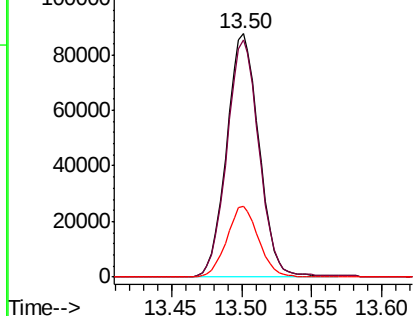


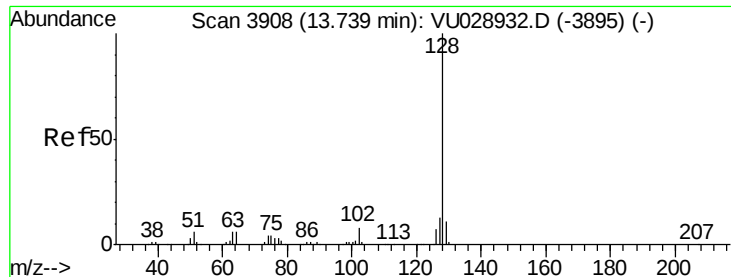
Abundance

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: 58.220 ug/L

RT: 13.74 min Scan# 3908

Delta R.T. 0.00 min

Lab File: VU028952.D

Acq: 24 Dec 2018 17:30

Instrument :

MSVOA_U

ClientSampleId :

VSTD05047

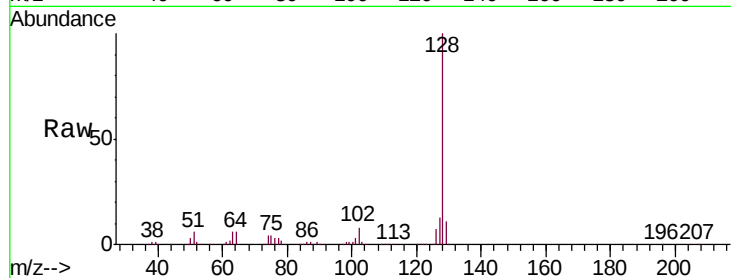
Tgt Ion:128 Resp: 498334

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

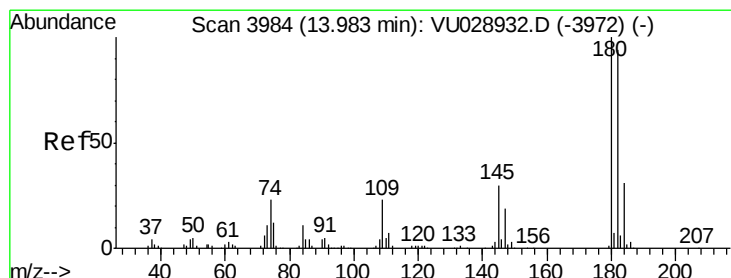
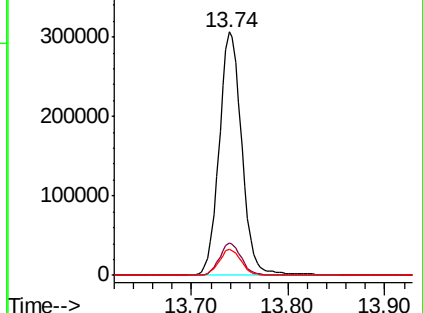
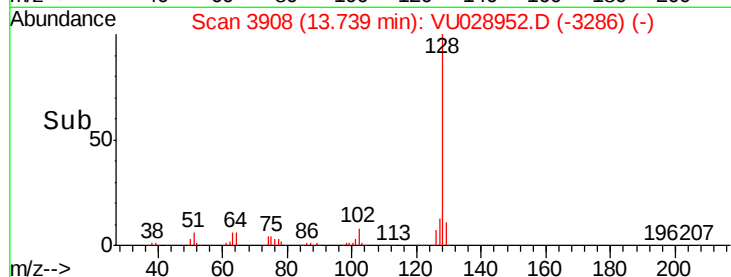
129 10.4 8.7 13.1



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: 55.243 ug/L

RT: 13.99 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VU028952.D

Acq: 24 Dec 2018 17:30

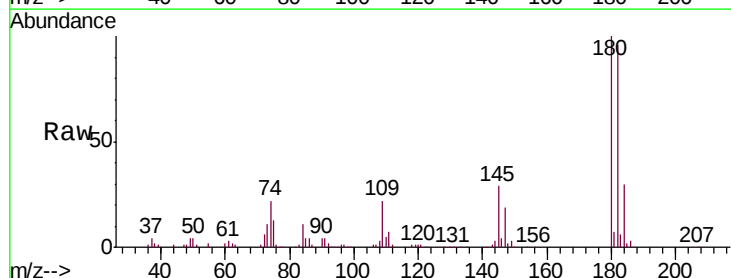
Tgt Ion:180 Resp: 146859

Ion Ratio Lower Upper

180 100

182 95.4 75.8 113.8

145 30.1 24.5 36.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

