

Data File : VU029416.D
Acq On : 12 Feb 2019 13:25
Operator : JC/SP
Sample : VSTD01048
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD01048

Quant Time: Feb 13 02:59:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Feb 13 02:55:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	209600	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	202831	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	113189	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	142128	9.40	ug/L	0.00
7) Chloroethane-d5	1.68	69	124078	9.97	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	306686	9.98	ug/L	0.00
20) 2-Butanone-d5	4.19	46	300767	108.55	ug/L	0.00
24) Chloroform-d	4.65	84	235040	10.20	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	119044	9.88	ug/L	0.00
32) Benzene-d6	5.34	84	495251	10.03	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	143245	9.81	ug/L	0.00
41) Toluene-d8	7.56	98	489242	10.03	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	65920	9.85	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	306687	105.74	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	126426	10.23	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	211238	10.29	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	176907	10.402 ug/L	96
3) Chloromethane	1.32	50	166522	10.402 ug/L	99
5) Vinyl chloride	1.40	62	196457	10.853 ug/L	100
6) Bromomethane	1.62	94	111923	8.769 ug/L	99
8) Chloroethane	1.70	64	122423	10.683 ug/L	100
9) Trichlorofluoromethane	1.88	101	303907	10.929 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	179008	10.816 ug/L	98
12) 1,1-Dichloroethene	2.28	96	165379	10.612 ug/L	99
13) Acetone	2.32	43	252369	109.761 ug/L	99
14) Carbon disulfide	2.48	76	555776	10.602 ug/L	98
15) Methyl Acetate	2.62	43	65976	10.470 ug/L	98
16) Methylene chloride	2.70	84	174777	10.181 ug/L	97
17) Methyl tert-butyl Ether	3.00	73	414533	10.583 ug/L	99
18) trans-1,2-Dichloroethene	2.98	96	177092	10.480 ug/L	99
19) 1,1-Dichloroethane	3.44	63	249383	10.134 ug/L	100
21) 2-Butanone	4.28	43	324466	114.810 ug/L	98
22) cis-1,2-Dichloroethene	4.22	96	162904	10.713 ug/L	98
23) Bromochloromethane	4.55	128	75582	10.944 ug/L	99
25) Chloroform	4.67	83	267802	10.847 ug/L	96
27) 1,2-Dichloroethane	5.40	62	156761	10.870 ug/L	99
29) 1,1,1-Trichloroethane	4.91	97	239719	10.519 ug/L	100
30) Cyclohexane	4.99	56	230132	10.584 ug/L	100
31) Carbon tetrachloride	5.13	117	219938	10.541 ug/L	98
33) Benzene	5.39	78	562268	10.620 ug/L	100
34) Trichloroethene	6.18	95	159801	10.599 ug/L	98
35) Methylcyclohexane	6.41	83	267158	10.358 ug/L	100
37) 1,2-Dichloropropane	6.43	63	142484	10.581 ug/L	99
38) Bromodichloromethane	6.76	83	190299	10.424 ug/L	100
39) cis-1,3-Dichloropropene	7.27	75	228952	10.594 ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	811834	107.227 ug/L	100

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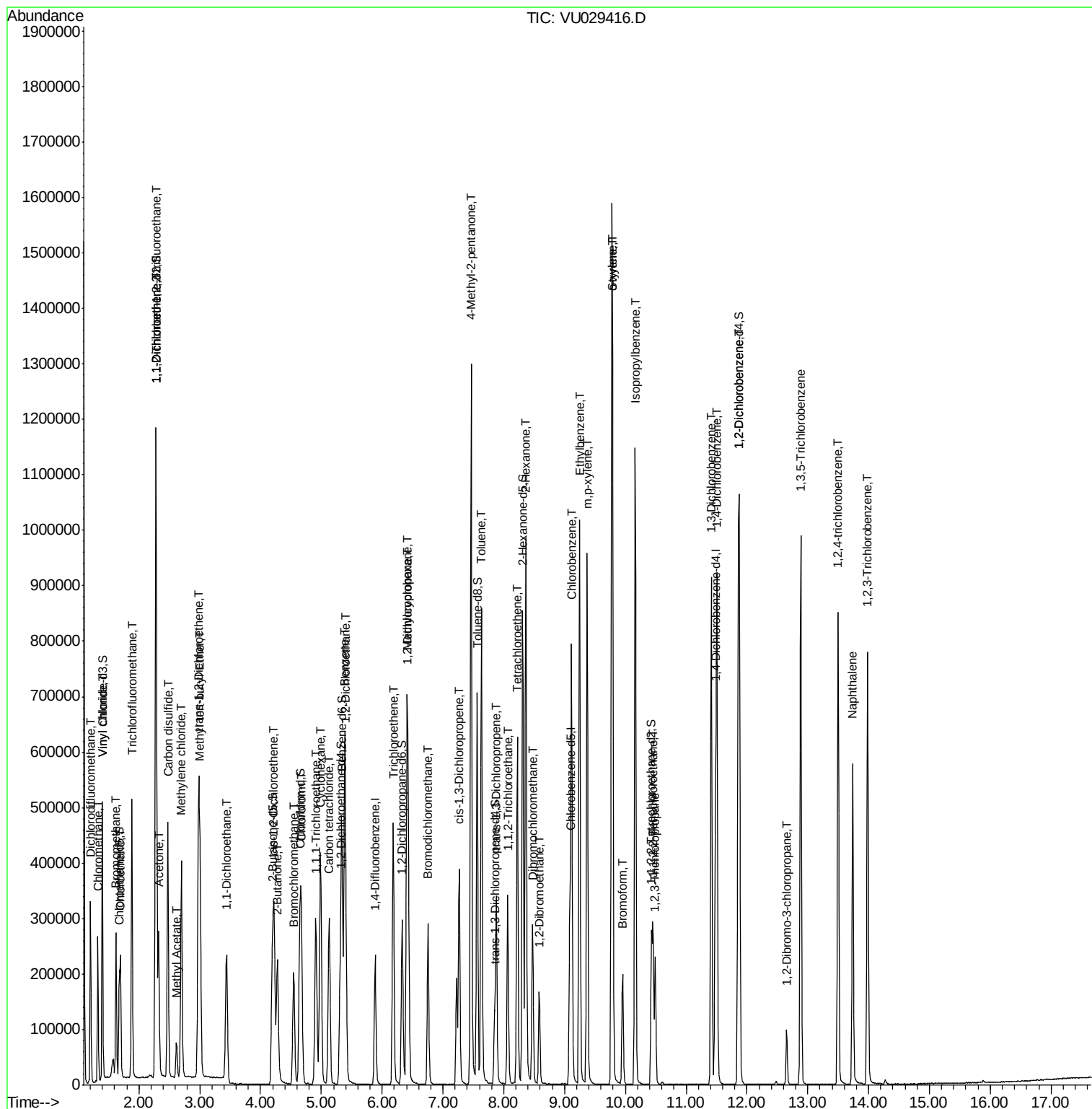
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	645313	10.684	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	183373	10.234	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	108920	10.430	ug/L	97
47) Tetrachloroethene	8.22	164	149537	10.679	ug/L	97
48) 2-Hexanone	8.36	43	592518	112.194	ug/L	100
49) Dibromochloromethane	8.48	129	151054	10.636	ug/L	100
50) 1,2-Dibromoethane	8.58	107	108972	10.741	ug/L	95
51) Chlorobenzene	9.12	112	439944	10.574	ug/L	98
52) Ethylbenzene	9.25	91	727059	10.596	ug/L	98
53) m,p-xylene	9.37	106	295452	10.801	ug/L	100
54) o-xylene	9.78	106	289251	10.837	ug/L	99
55) Styrene	9.79	104	483962	10.933	ug/L	99
56) Isopropylbenzene	10.16	105	766702	10.849	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	133806	10.465	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	91991	10.801	ug/L	97
61) Bromoform	9.95	173	94239	10.470	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	386800	10.842	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	386390	10.671	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	362637	10.840	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	22997	10.347	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	327505	11.106	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	287280	11.218	ug/L	99
69) Naphthalene	13.74	128	485331	12.120	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	263984	11.349	ug/L	100

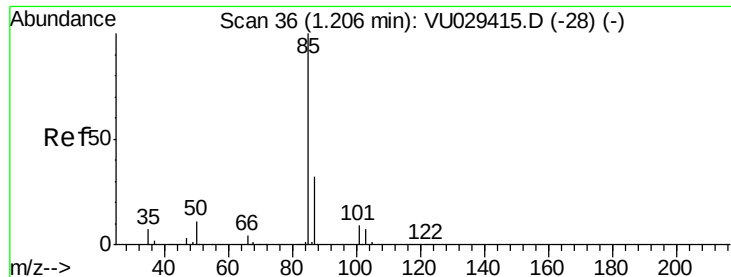
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 10.402 ug/L

RT: 1.21 min Scan# 36

Delta R.T. -0.00 min

Lab File: VU029416.D

Acq: 12 Feb 2019 13:25

Instrument :

MSVOA_U

ClientSampleId :

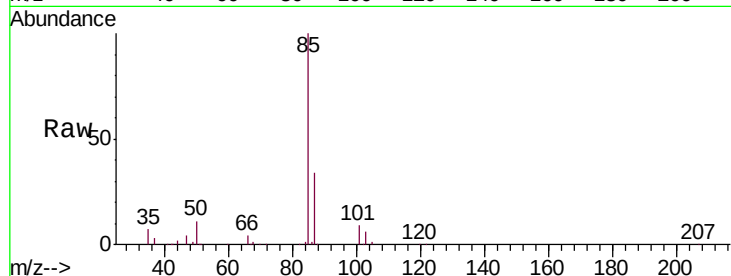
VSTD01048

Tgt Ion: 85 Resp: 176907

Ion Ratio Lower Upper

85 100

87 33.8 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU029416.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU029416.D (-1) (-)

1.21

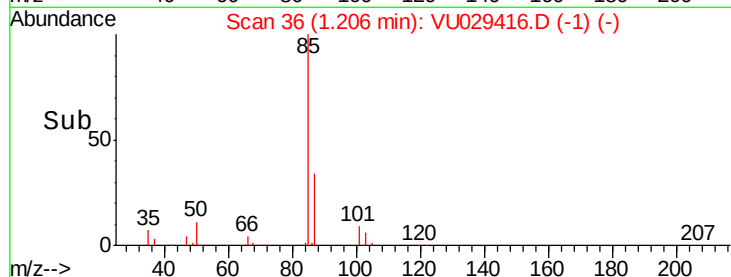
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100000

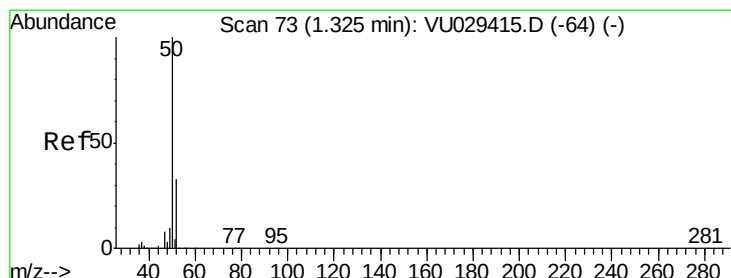
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: 10.402 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU029416.D

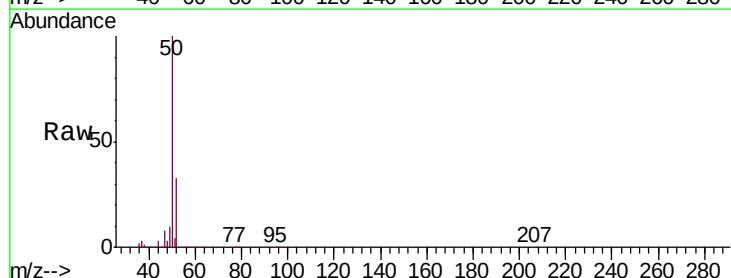
Acq: 12 Feb 2019 13:25

Tgt Ion: 50 Resp: 166522

Ion Ratio Lower Upper

50 100

52 33.4 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VU029416.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU029416.D (-1) (-)

1.32

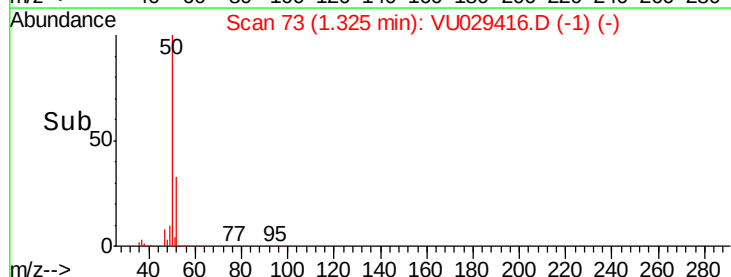
150000

100000

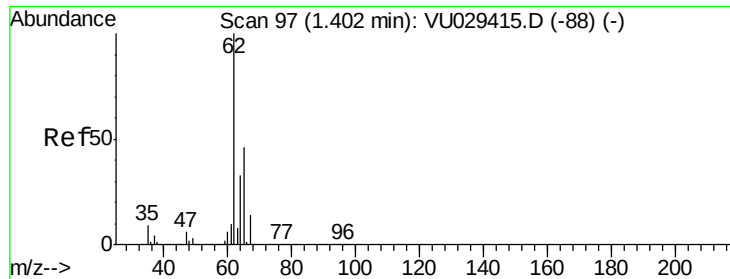
50000

0

Time-->



Time-->



#5

Vinyl chloride

Concen: 10.853 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029416.D

Acq: 12 Feb 2019 13:25

Instrument :

MSVOA_U

ClientSampleId :

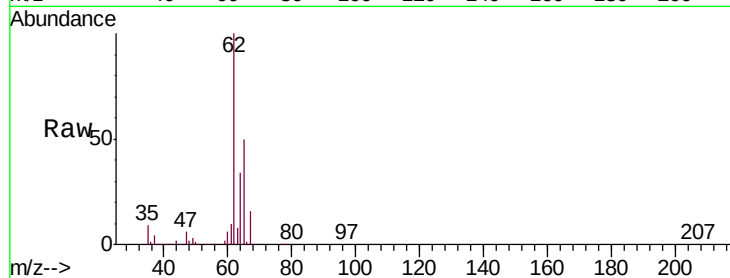
VSTD01048

Tgt Ion: 62 Resp: 196457

Ion Ratio Lower Upper

62 100

64 33.9 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.40

200000

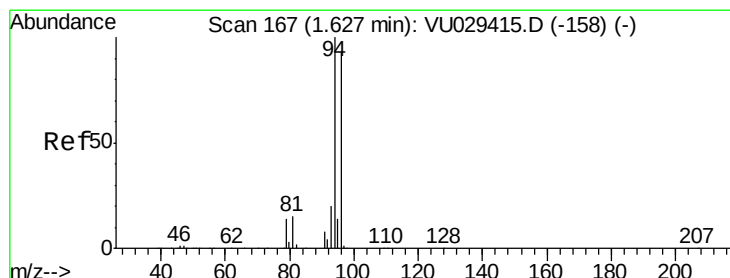
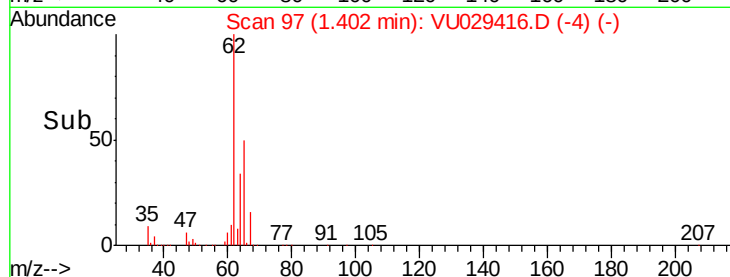
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 8.769 ug/L

RT: 1.62 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU029416.D

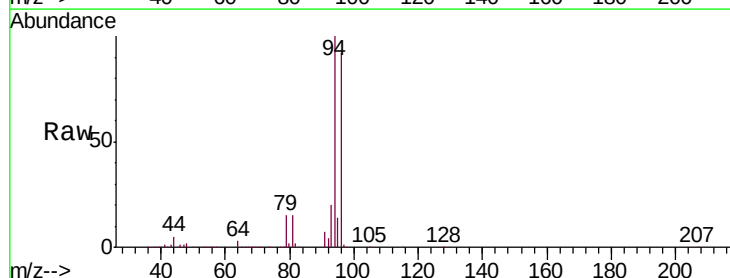
Acq: 12 Feb 2019 13:25

Tgt Ion: 94 Resp: 111923

Ion Ratio Lower Upper

94 100

96 91.9 65.2 121.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.62

100000

80000

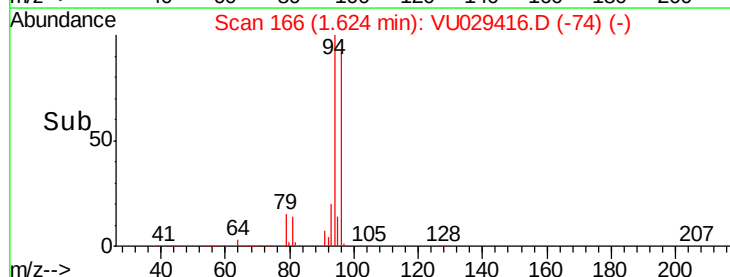
60000

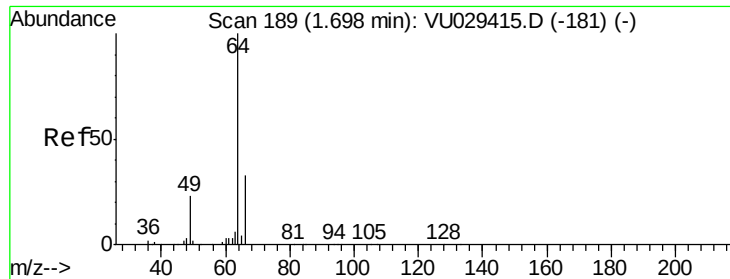
40000

20000

0

Time-->

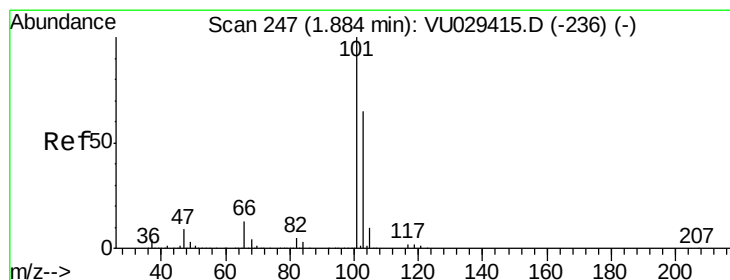
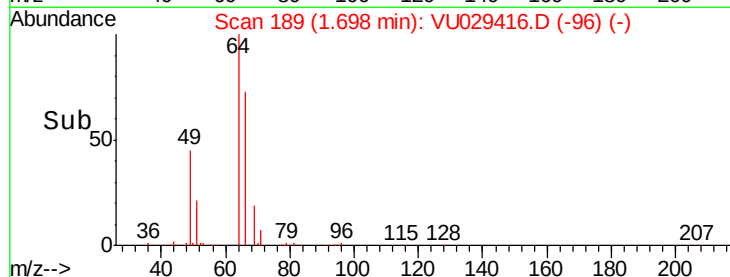
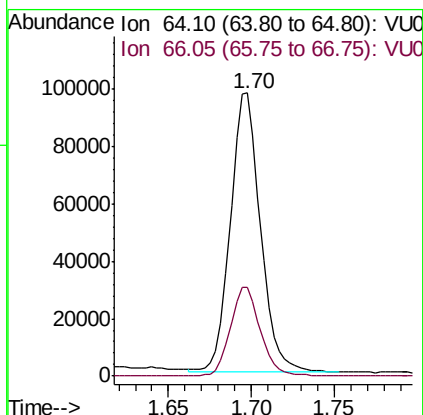
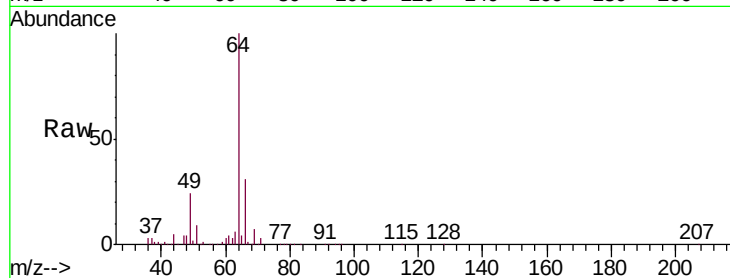




#8
Chloroethane
Concen: 10.683 ug/L
RT: 1.70 min Scan# 189
Delta R.T. -0.00 min
Lab File: VU029416.D
Acq: 12 Feb 2019 13:25

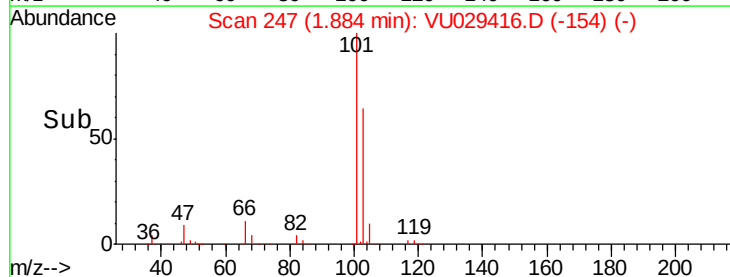
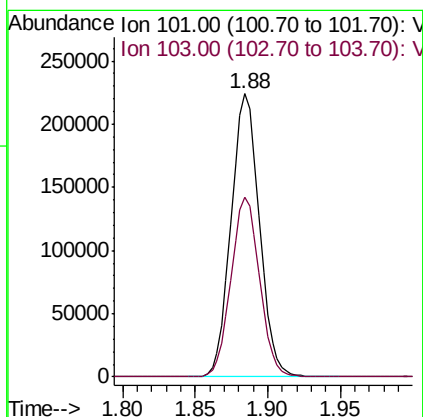
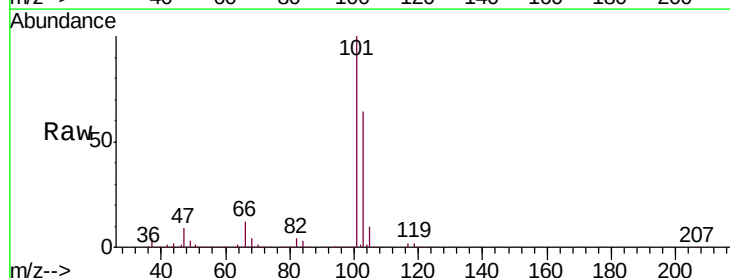
Instrument :
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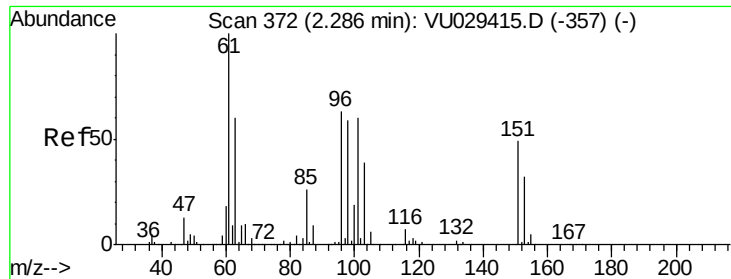
Tgt Ion: 64 Resp: 122423
Ion Ratio Lower Upper
64 100
66 31.4 22.0 40.8



#9
Trichlorofluoromethane
Concen: 10.929 ug/L
RT: 1.88 min Scan# 247
Delta R.T. -0.00 min
Lab File: VU029416.D
Acq: 12 Feb 2019 13:25

Tgt Ion: 101 Resp: 303907
Ion Ratio Lower Upper
101 100
103 64.1 52.1 78.1





#10

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

Concen: 10.816 ug/L

RT: 2.29 min Scan# 372

Delta R.T. -0.00 min

Lab File: VU029416.D

Acq: 12 Feb 2019 13:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD01048

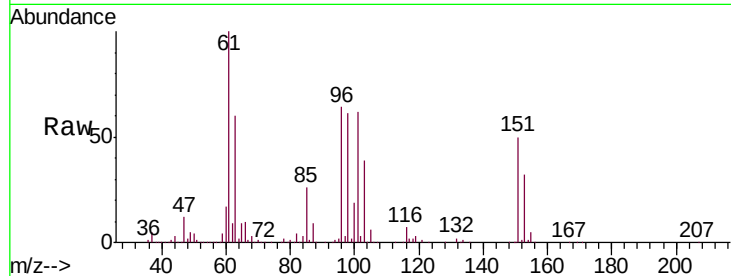
Tgt Ion: 101 Resp: 179008

Ion Ratio Lower Upper

101 100

85 42.9 35.1 52.7

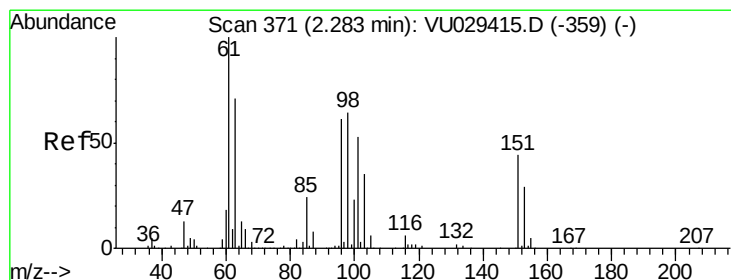
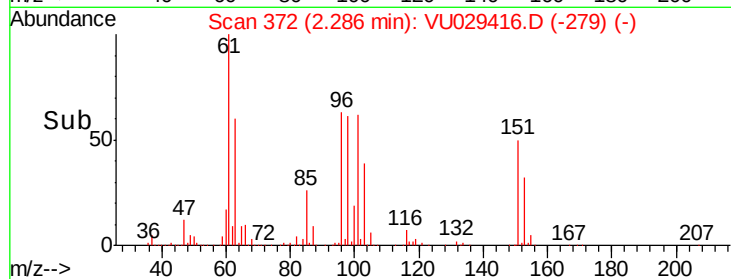
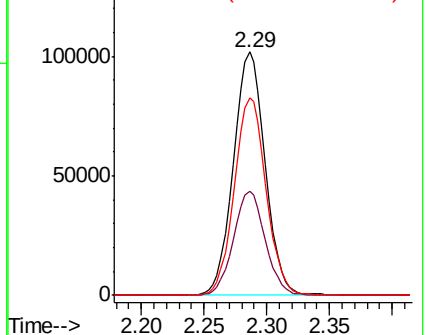
151 81.8 67.0 100.6



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: 10.612 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029416.D

Acq: 12 Feb 2019 13:25

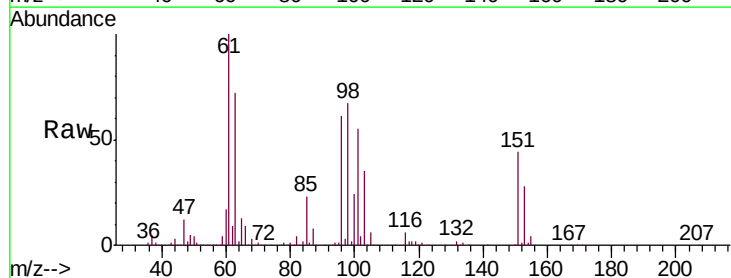
Tgt Ion: 96 Resp: 165379

Ion Ratio Lower Upper

96 100

61 165.0 115.1 213.7

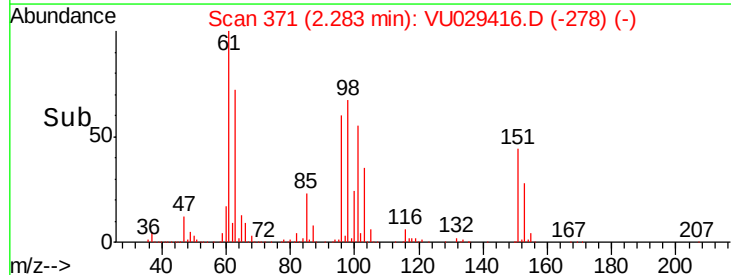
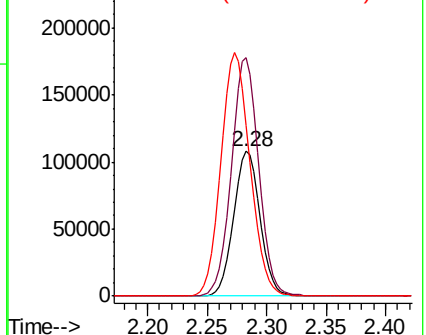
63 118.2 83.5 155.1

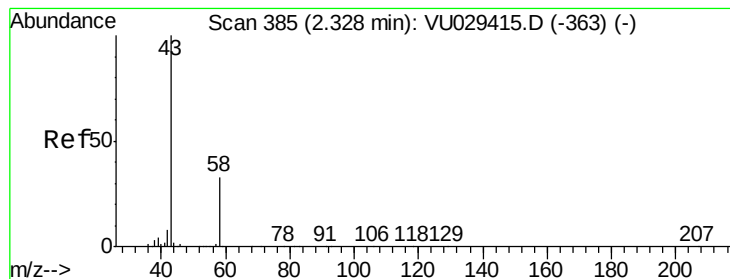


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 109.761 ug/L

RT: 2.32 min Scan# 384

Delta R.T. -0.00 min

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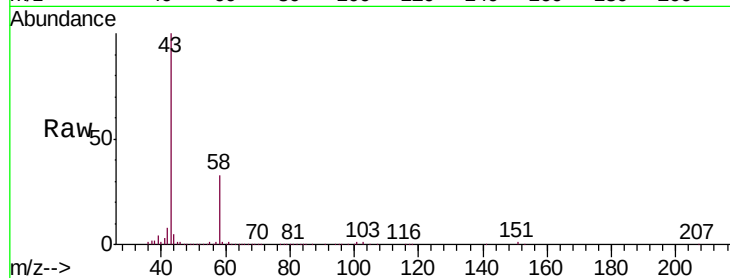
VSTD01048

Tgt Ion: 43 Resp: 252369

Ion Ratio Lower Upper

43 100

58 33.2 0.0 65.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.32

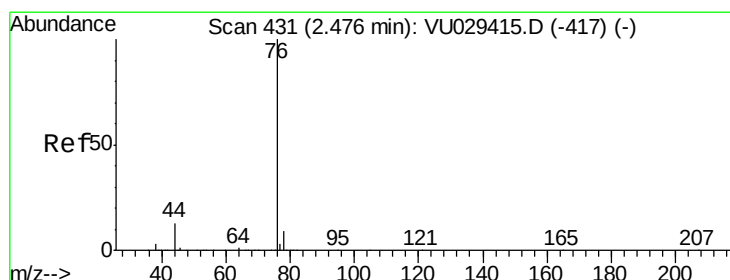
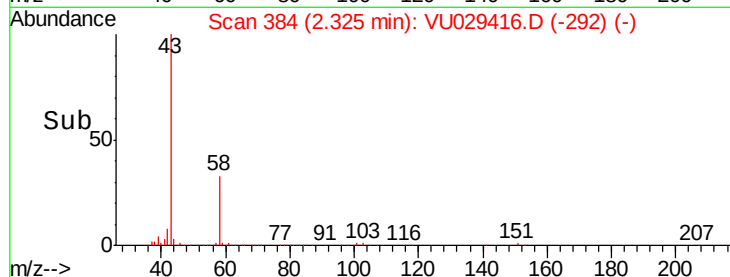
150000

100000

50000

0

Time--> 2.20 2.30 2.40



#14

Carbon disulfide

Concen: 10.602 ug/L

RT: 2.48 min Scan# 431

Delta R.T. -0.00 min

Lab File: VU029416.D

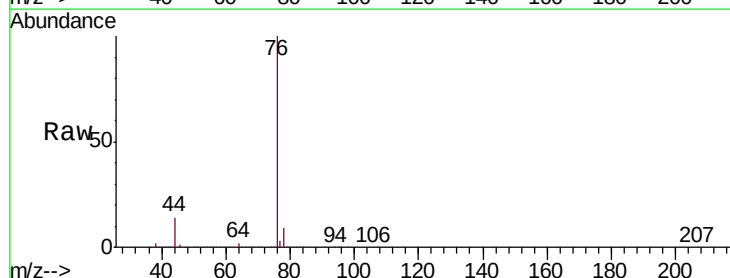
Acq: 12 Feb 2019 13:25

Tgt Ion: 76 Resp: 555776

Ion Ratio Lower Upper

76 100

78 8.7 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.48

400000

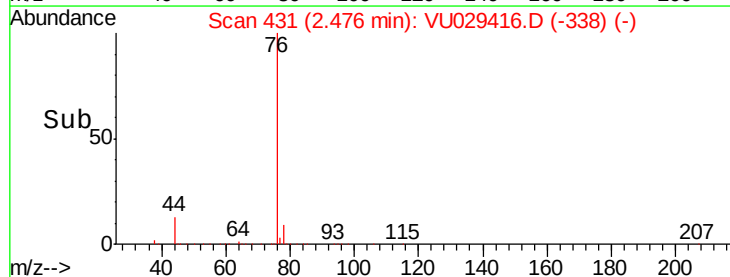
300000

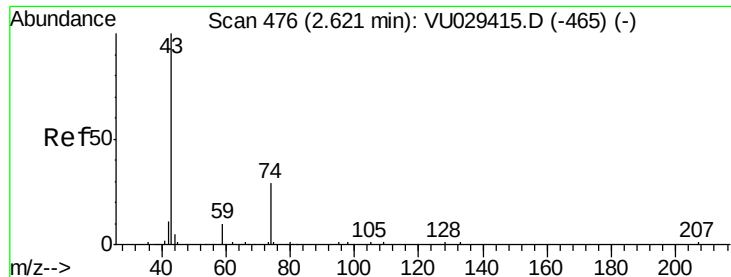
200000

100000

0

Time--> 2.40 2.50 2.60

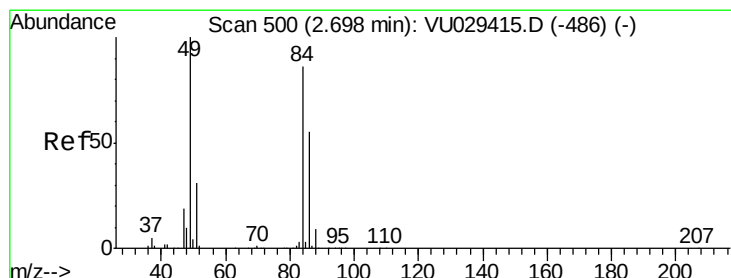
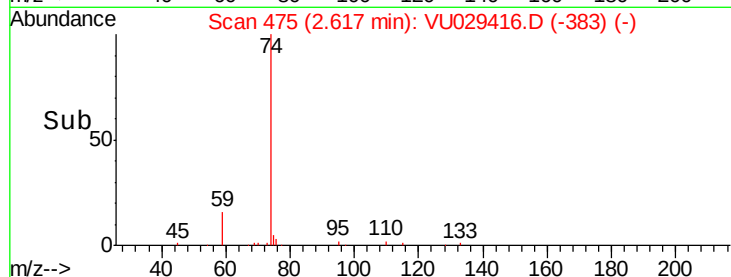
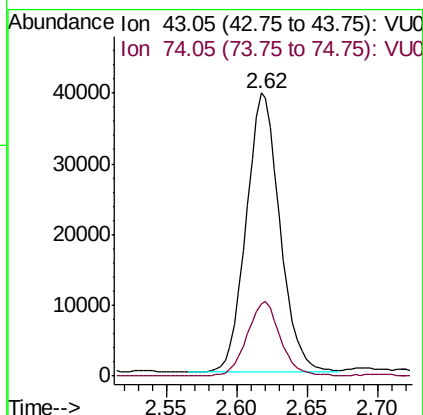
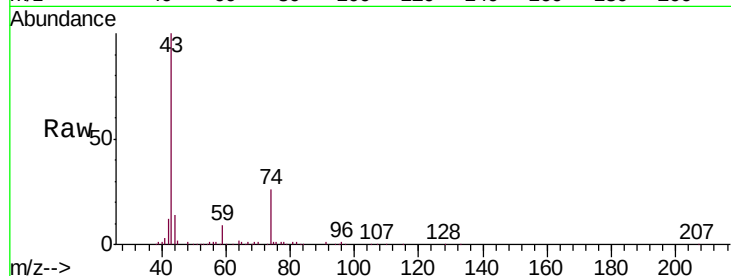




#15
Methyl Acetate
Concen: 10.470 ug/L
RT: 2.62 min Scan# 475
Delta R.T. -0.00 min
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Acq: 12 Feb 2019 13:25

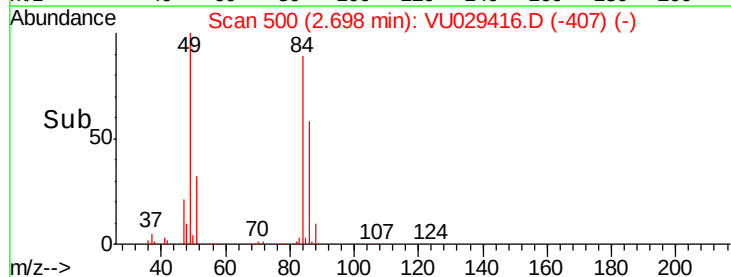
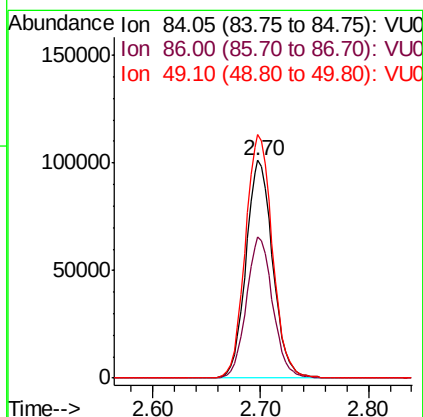
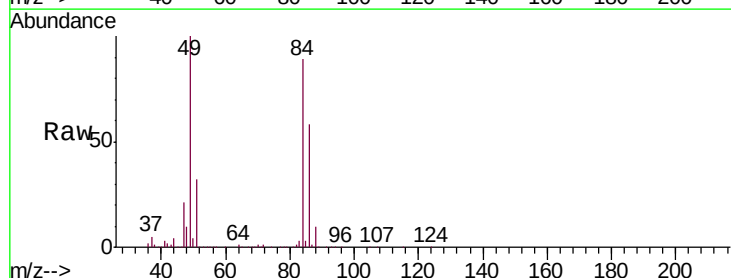
Instrument :
MSVOA_U
ClientSampleId :
VSTD01048

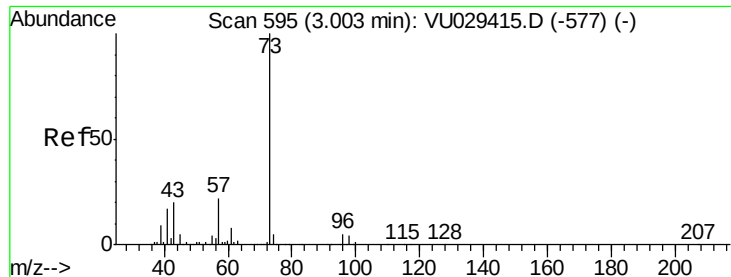
Tgt Ion: 43 Resp: 65976
Ion Ratio Lower Upper
43 100
74 26.7 22.3 33.5



#16
Methylene chloride
Concen: 10.181 ug/L
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU029416.D
Acq: 12 Feb 2019 13:25

Tgt Ion: 84 Resp: 174777
Ion Ratio Lower Upper
84 100
86 64.7 45.1 83.9
49 111.9 81.8 151.8





#17

Methyl tert-butyl Ether

Concen: 10.583 ug/L

RT: 3.00 min Scan# 595

Delta R.T. -0.00 min

Lab File: VU029416.D

Acq: 12 Feb 2019 13:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD01048

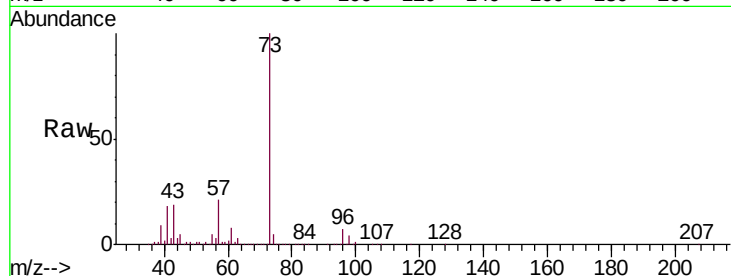
Tgt Ion: 73 Resp: 414533

Ion Ratio Lower Upper

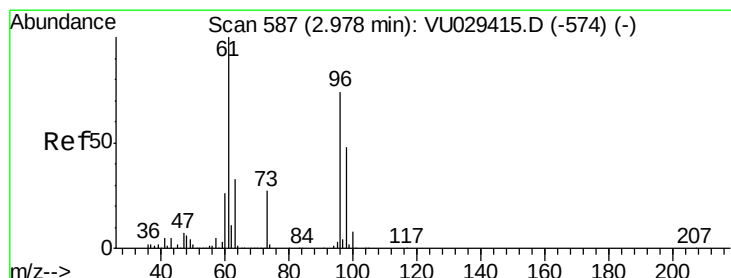
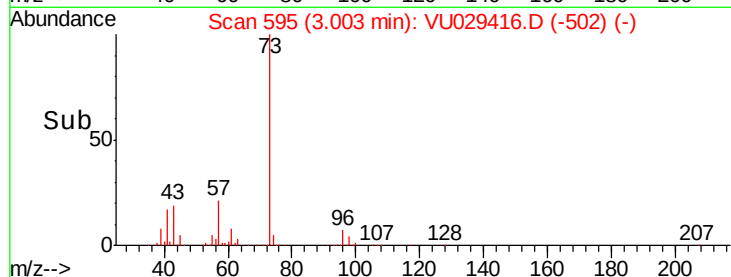
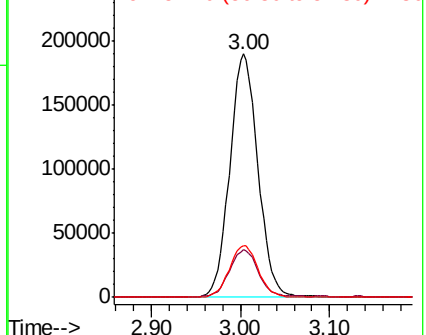
73 100

43 19.3 16.0 24.0

57 21.7 16.9 25.3



Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0



#18

trans-1,2-Dichloroethene

Concen: 10.480 ug/L

RT: 2.98 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU029416.D

Acq: 12 Feb 2019 13:25

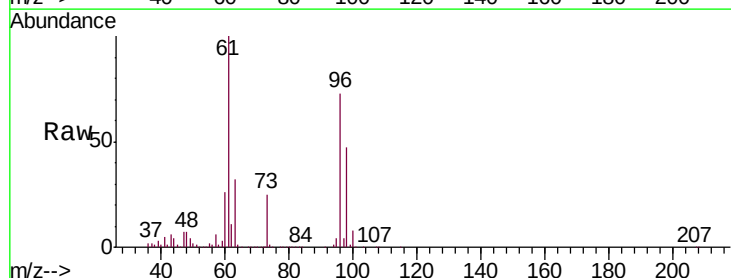
Tgt Ion: 96 Resp: 177092

Ion Ratio Lower Upper

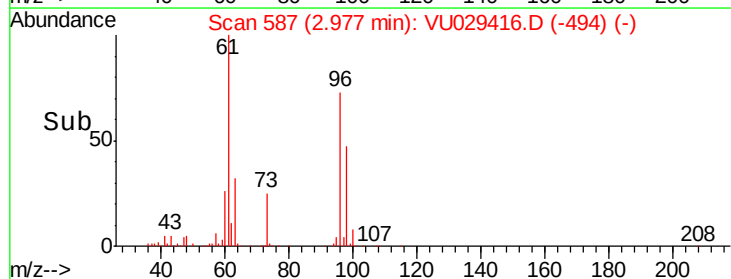
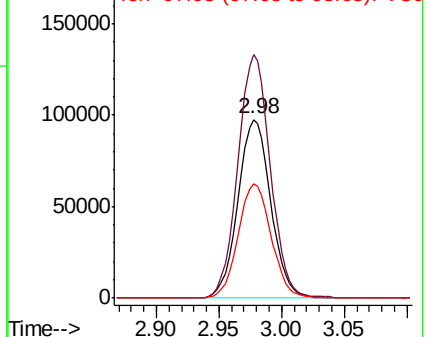
96 100

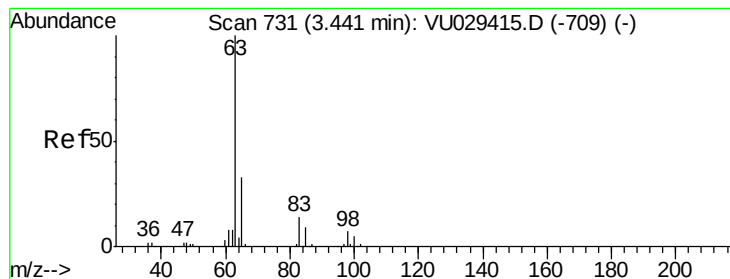
61 136.2 95.4 177.2

98 63.9 45.8 85.2



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 10.134 ug/L

RT: 3.44 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU029416.D

Acq: 12 Feb 2019 13:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD01048

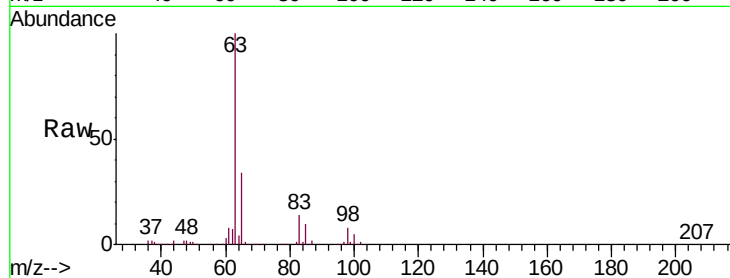
Tgt Ion: 63 Resp: 249383

Ion Ratio Lower Upper

63 100

65 33.6 23.5 43.7

83 14.3 10.3 19.1



Abundance Ion 63.10 (62.80 to 63.80): VU029416.D (-638) (-)

150000

Ion 65.10 (64.80 to 65.80): VU029416.D (-638) (-)

Ion 83.05 (82.75 to 83.75): VU029416.D (-638) (-)

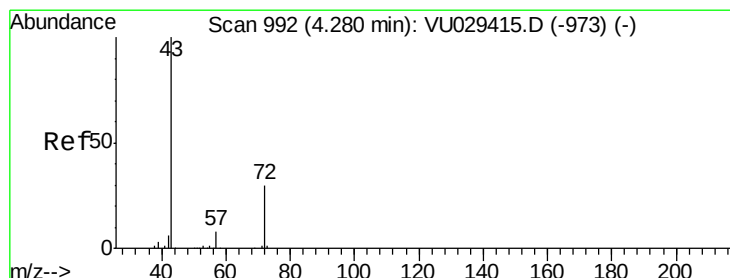
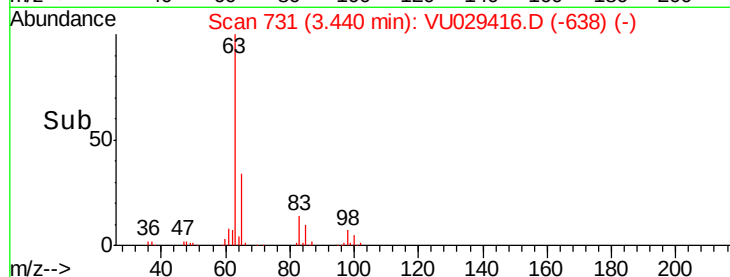
3.44

100000

50000

0

Time--> 3.30 3.40 3.50 3.60



#21

2-Butanone

Concen: 114.810 ug/L

RT: 4.28 min Scan# 991

Delta R.T. -0.00 min

Lab File: VU029416.D

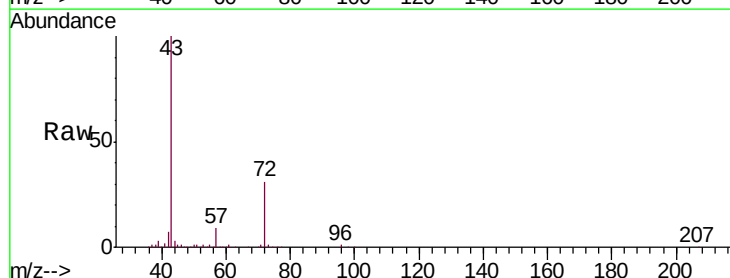
Acq: 12 Feb 2019 13:25

Tgt Ion: 43 Resp: 324466

Ion Ratio Lower Upper

43 100

72 30.3 14.7 44.1



Abundance Ion 43.05 (42.75 to 43.75): VU029416.D (-899) (-)

150000

Ion 72.10 (71.80 to 72.80): VU029416.D (-899) (-)

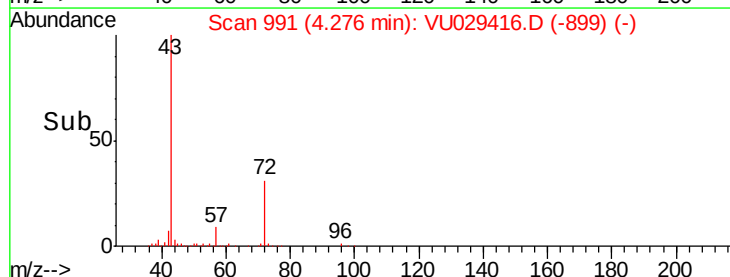
4.28

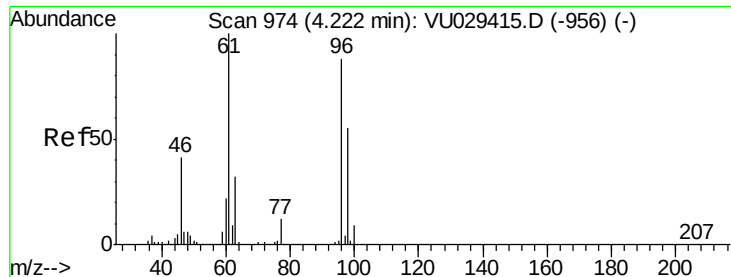
100000

50000

0

Time--> 4.20 4.30 4.40



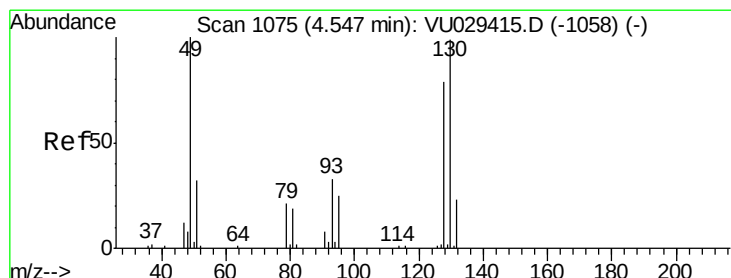
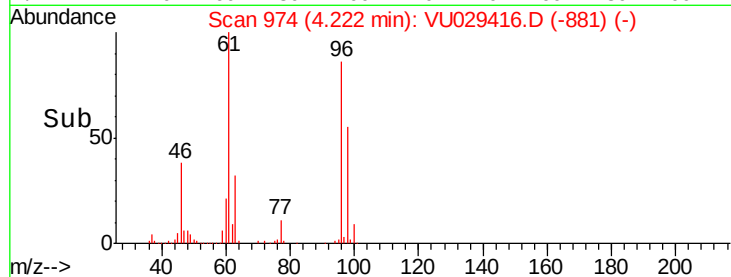
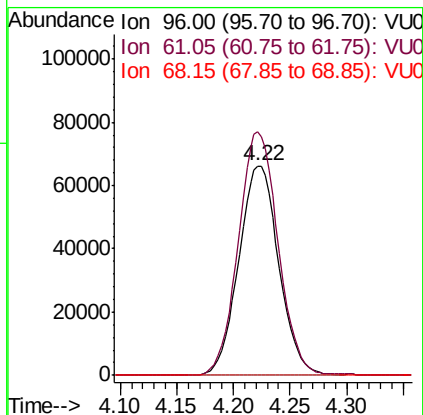
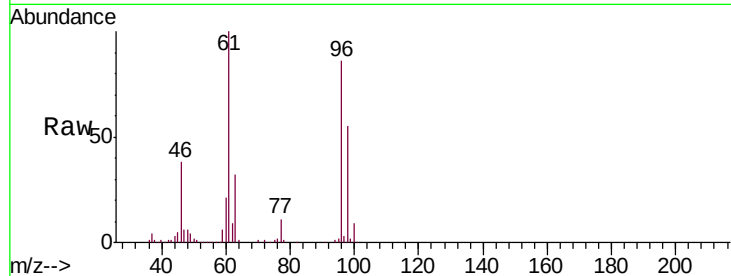


#22

cis-1,2-Dichloroethene
 Concen: 10.713 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. -0.00 min
 Lab File: VU029416.D
 Acq: 12 Feb 2019 13:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01048

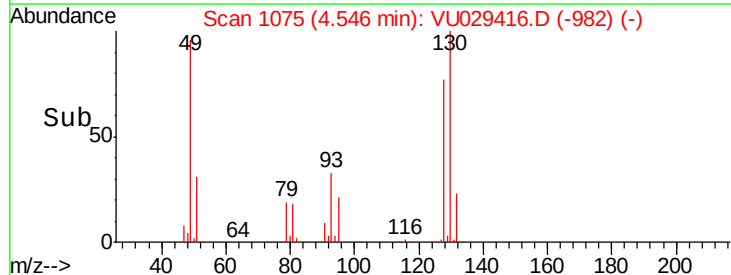
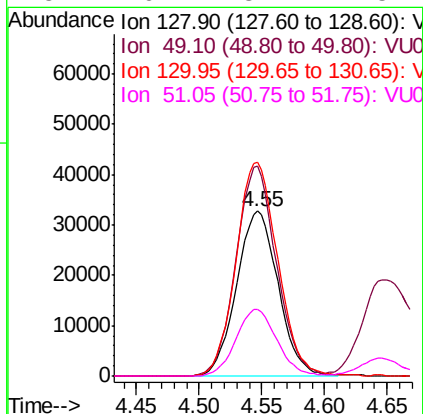
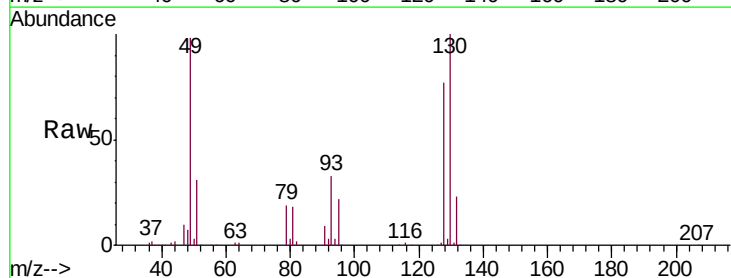
Tgt Ion: 96 Resp: 162904
 Ion Ratio Lower Upper
 96 100
 61 116.4 79.9 148.5
 68 0.0 0.0 0.0

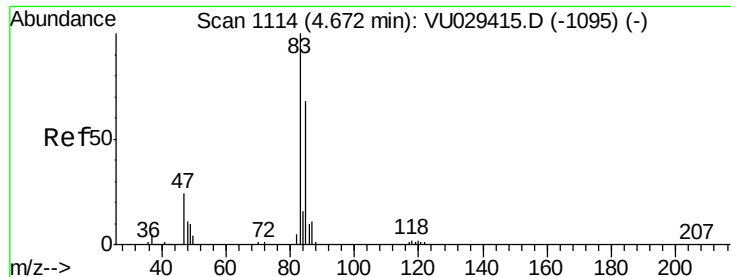


#23

Bromochloromethane
 Concen: 10.944 ug/L
 RT: 4.55 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VU029416.D
 Acq: 12 Feb 2019 13:25

Tgt Ion: 128 Resp: 75582
 Ion Ratio Lower Upper
 128 100
 49 127.3 89.0 165.4
 130 129.5 88.0 163.4
 51 40.1 32.1 48.1





#25

Chloroform

Concen: 10.847 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VU029416.D

Acq: 12 Feb 2019 13:25

Instrument :

MSVOA_U

ClientSampleId :

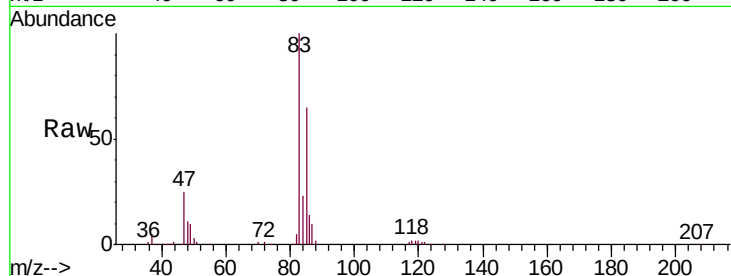
VSTD01048

Tgt Ion: 83 Resp: 267802

Ion Ratio Lower Upper

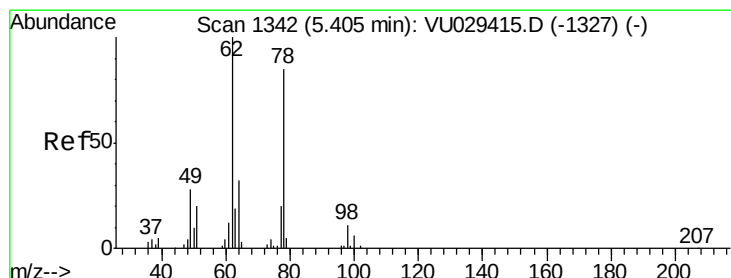
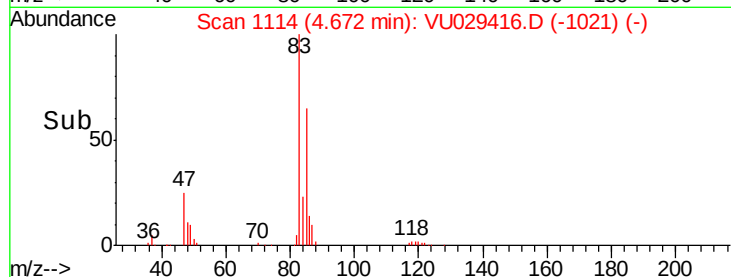
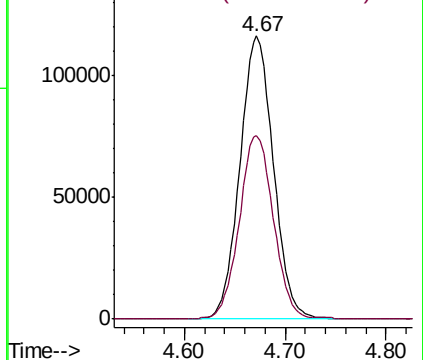
83 100

85 65.0 47.8 88.8



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0



#27

1,2-Dichloroethane

Concen: 10.870 ug/L

RT: 5.40 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VU029416.D

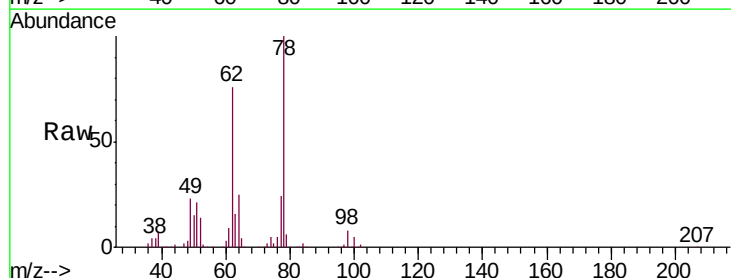
Acq: 12 Feb 2019 13:25

Tgt Ion: 62 Resp: 156761

Ion Ratio Lower Upper

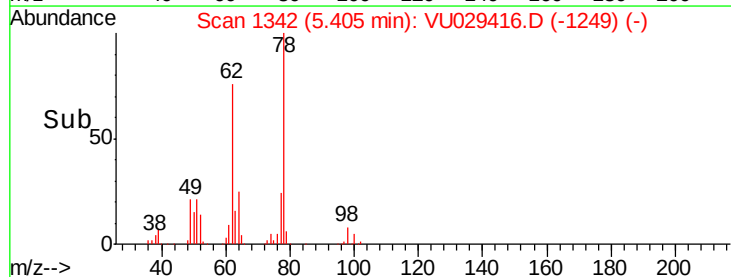
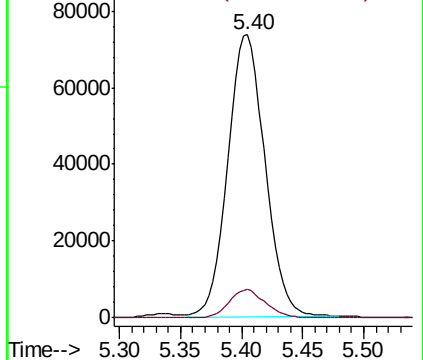
62 100

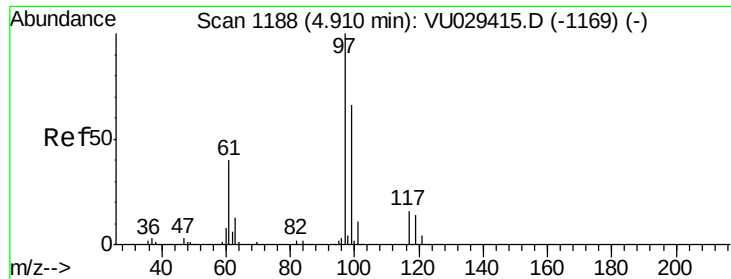
98 10.0 8.4 12.6



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0

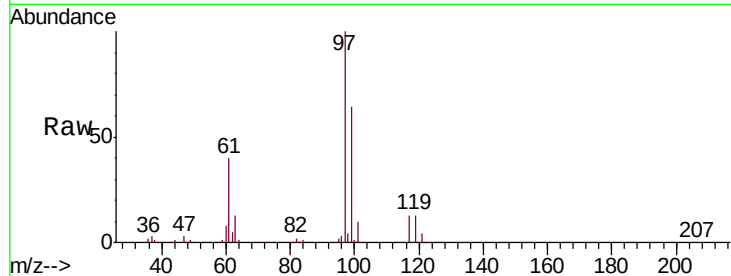




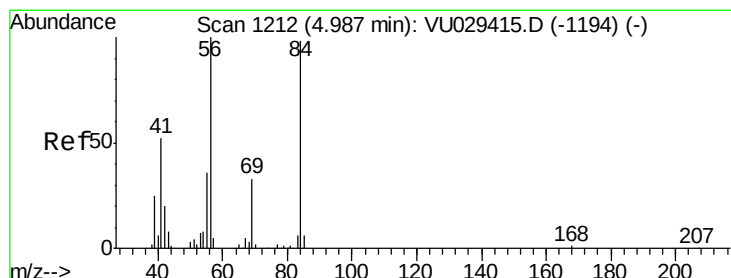
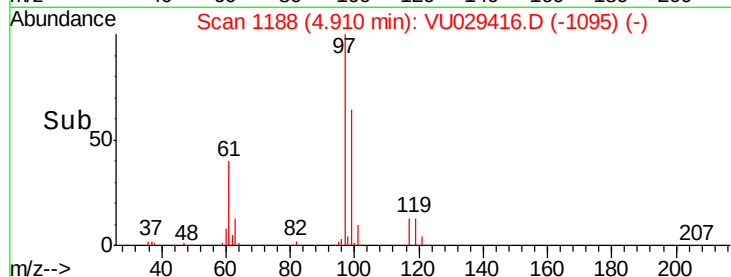
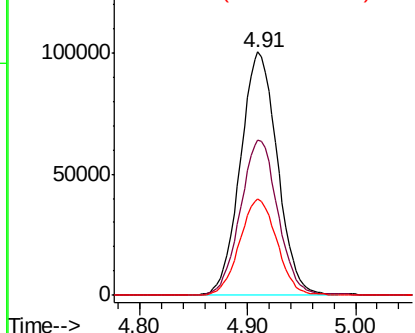
#29
 1,1,1-Trichloroethane
 Concen: 10.519 ug/L
 RT: 4.91 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VU029416.D
 Acq: 12 Feb 2019 13:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01048

Tgt Ion: 97 Resp: 239719
 Ion Ratio Lower Upper
 97 100
 99 64.9 52.2 78.2
 61 39.9 32.0 48.0

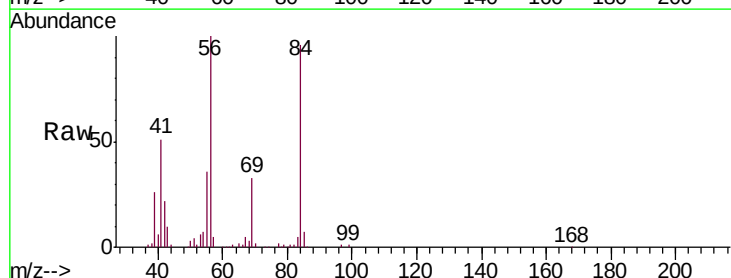


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

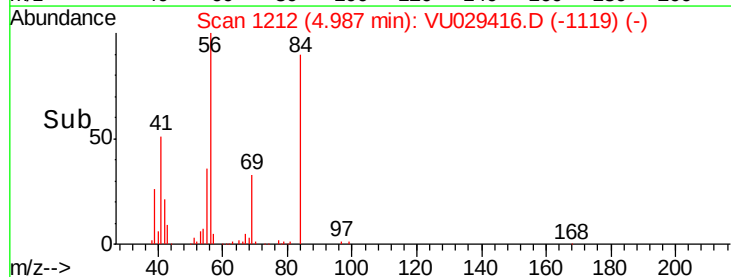
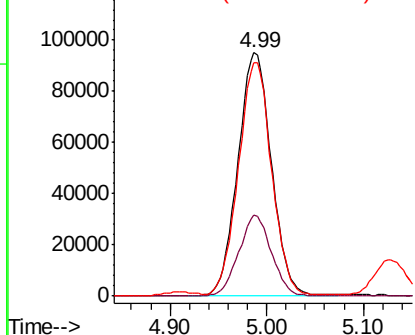


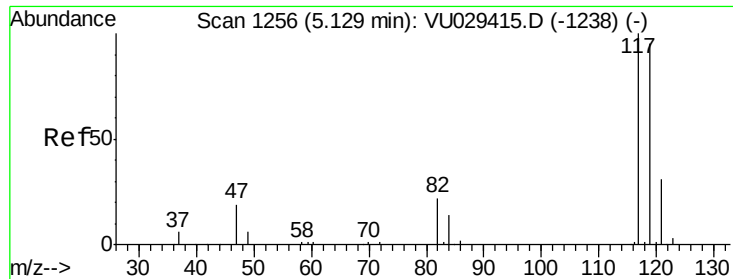
#30
 Cyclohexane
 Concen: 10.584 ug/L
 RT: 4.99 min Scan# 1212
 Delta R.T. -0.00 min
 Lab File: VU029416.D
 Acq: 12 Feb 2019 13:25

Tgt Ion: 56 Resp: 230132
 Ion Ratio Lower Upper
 56 100
 69 32.2 25.8 38.6
 84 94.1 75.0 112.6



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 10.541 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU029416.D

Acq: 12 Feb 2019 13:25

Instrument :

MSVOA_U

ClientSampleId :

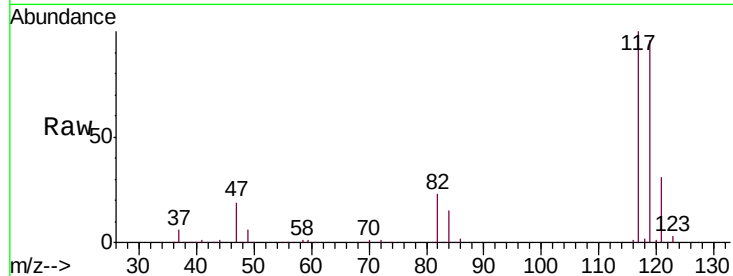
VSTD01048

Tgt Ion:117 Resp: 219938

Ion Ratio Lower Upper

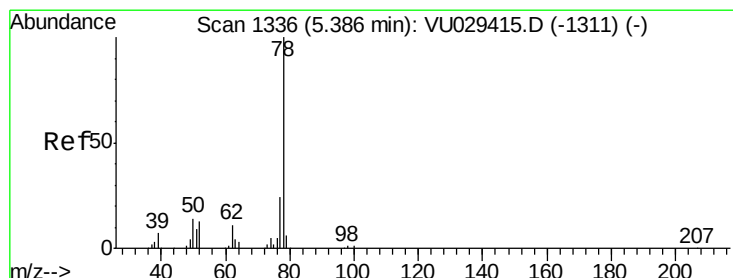
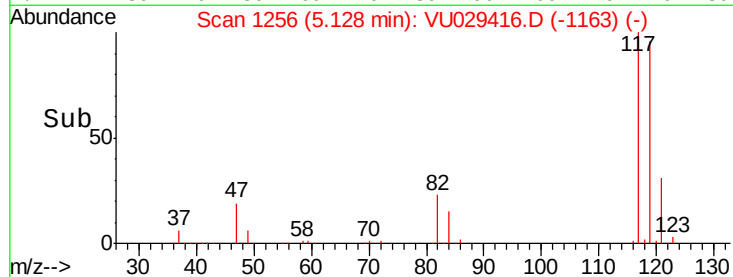
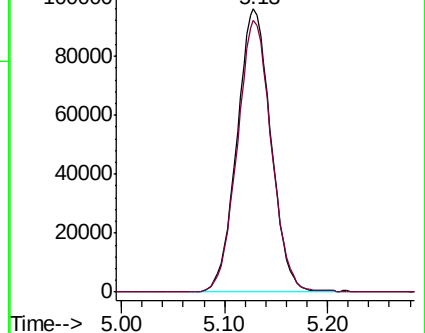
117 100

119 96.0 78.1 117.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 10.620 ug/L

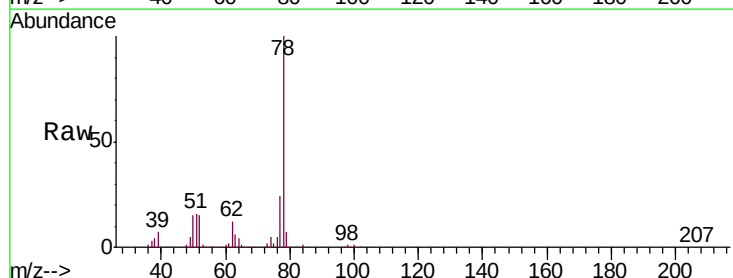
RT: 5.39 min Scan# 1336

Delta R.T. -0.00 min

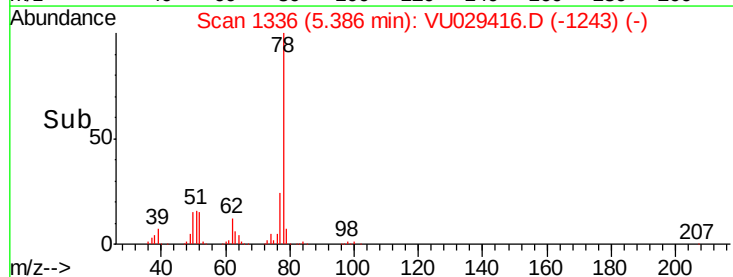
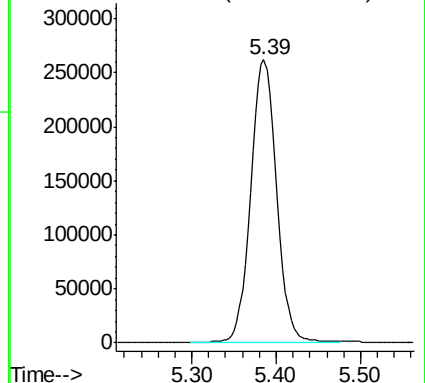
Lab File: VU029416.D

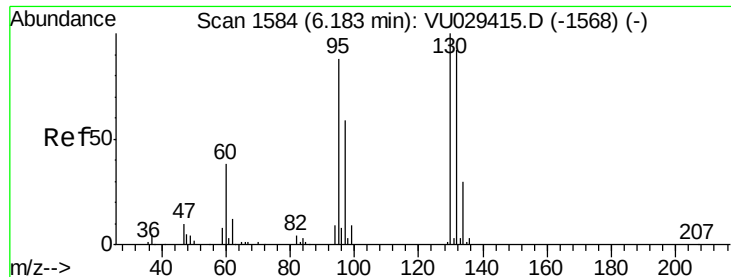
Acq: 12 Feb 2019 13:25

Tgt Ion: 78 Resp: 562268



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 10.599 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VU029416.D

Acq: 12 Feb 2019 13:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD01048

Tgt Ion: 95 Resp: 159801

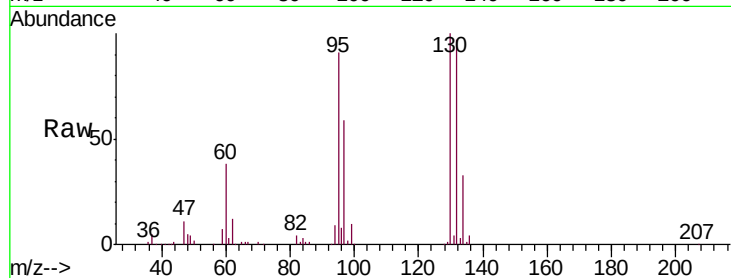
Ion Ratio Lower Upper

95 100

97 65.6 46.3 86.1

132 106.6 72.9 135.3

130 110.3 79.2 147.0

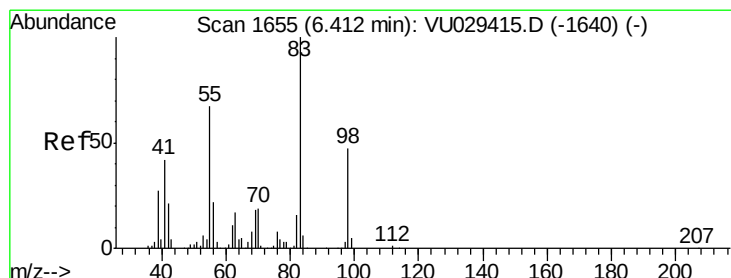
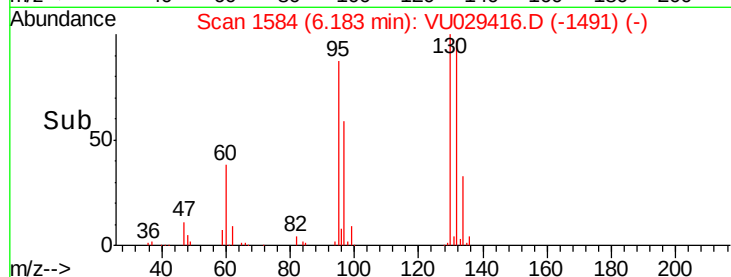
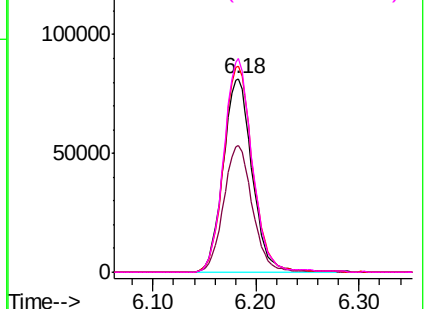


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 10.358 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU029416.D

Acq: 12 Feb 2019 13:25

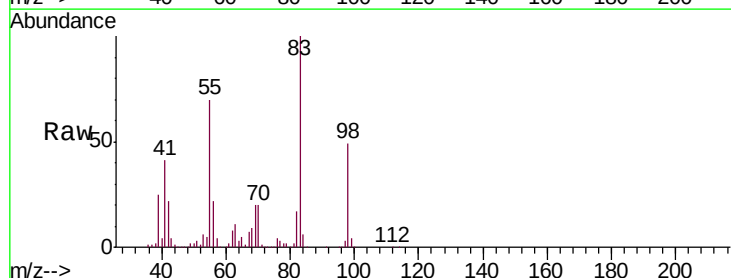
Tgt Ion: 83 Resp: 267158

Ion Ratio Lower Upper

83 100

55 70.0 55.9 83.9

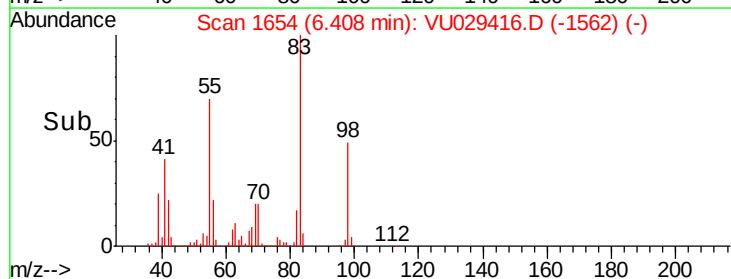
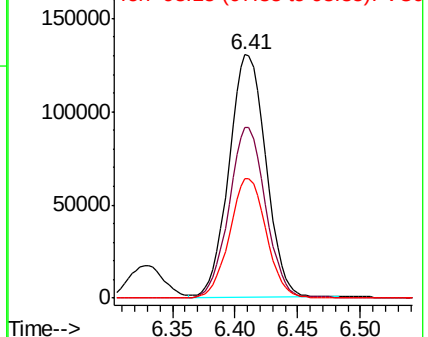
98 48.6 38.6 57.8

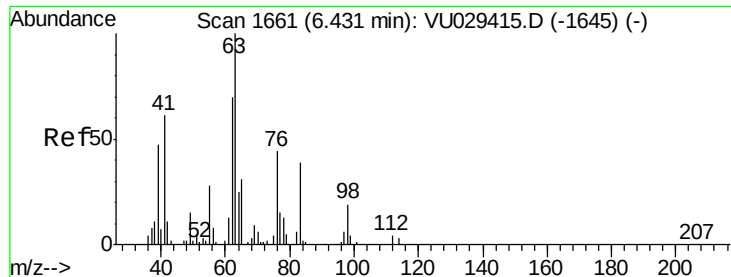


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

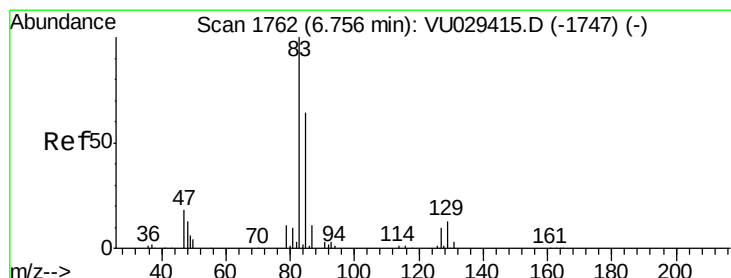
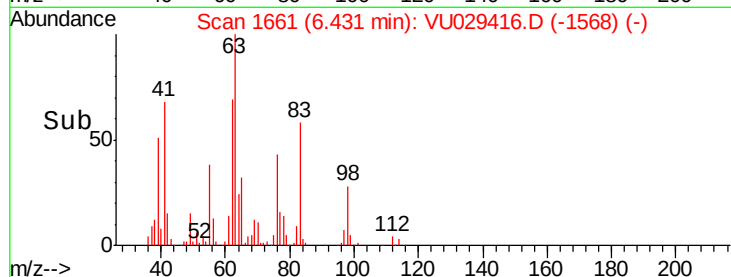
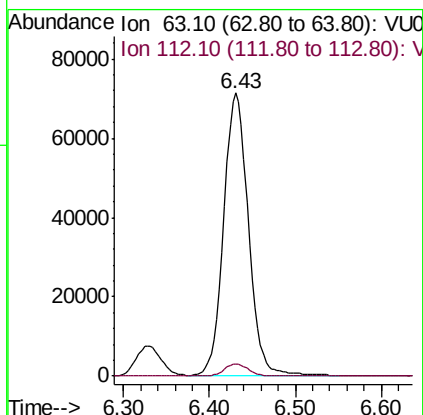
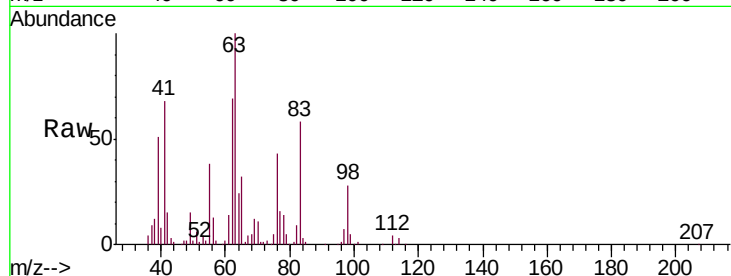




#37
 1,2-Dichloropropane
 Concen: 10.581 ug/L
 RT: 6.43 min Scan# 1661
 Delta R.T. -0.00 min
 Lab File: VU029416.D
 Acq: 12 Feb 2019 13:25

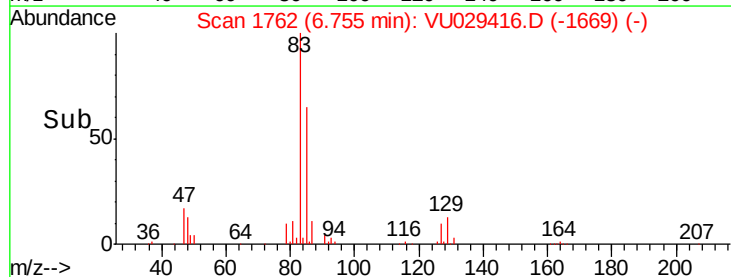
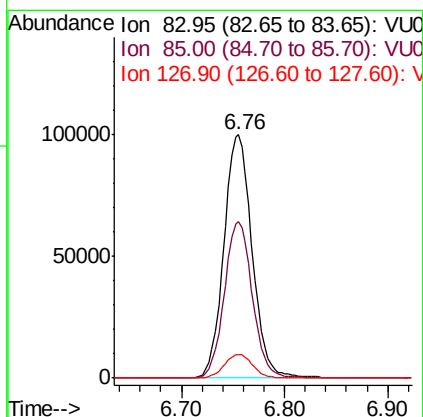
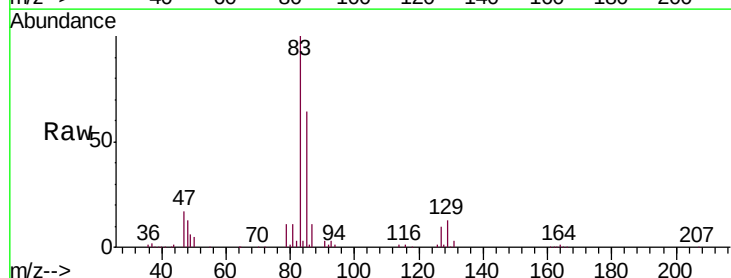
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01048

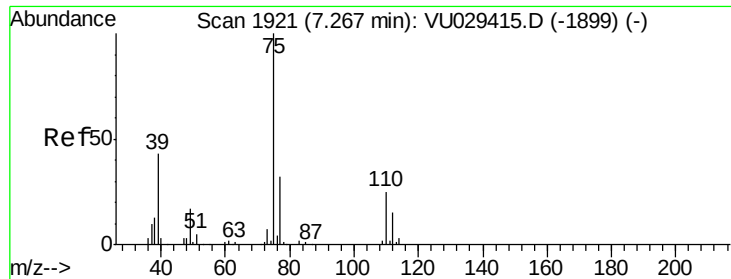
Tgt Ion: 63 Resp: 142484
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.5 5.3



#38
 Bromodichloromethane
 Concen: 10.424 ug/L
 RT: 6.76 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VU029416.D
 Acq: 12 Feb 2019 13:25

Tgt Ion: 83 Resp: 190299
 Ion Ratio Lower Upper
 83 100
 85 64.1 45.1 83.7
 127 9.9 7.8 11.8





#39

cis-1,3-Dichloropropene

Concen: 10.594 ug/L

RT: 7.27 min Scan# 1921

Delta R.T. -0.00 min

Lab File: VU029416.D

Acq: 12 Feb 2019 13:25

Instrument :

MSVOA_U

ClientSampleId :

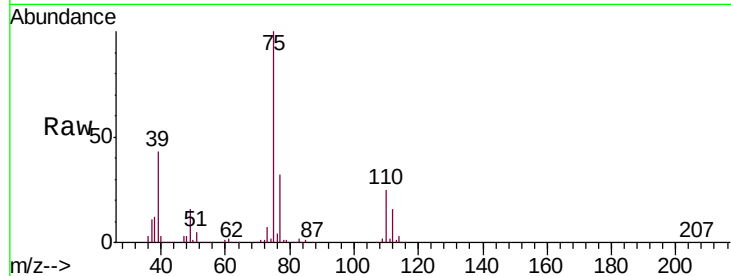
VSTD01048

Tgt Ion: 75 Resp: 228952

Ion Ratio Lower Upper

75 100

77 32.2 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

7.27

150000

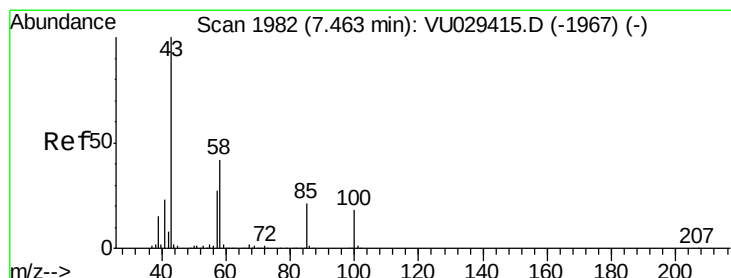
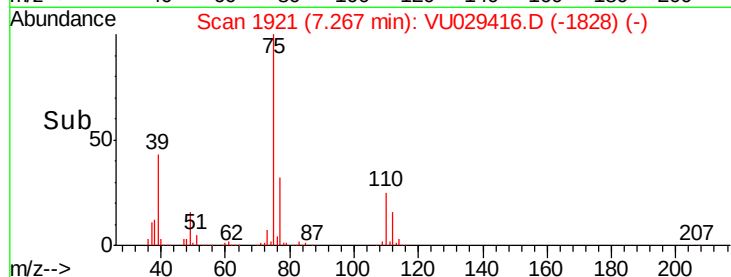
100000

50000

0

Time-->

7.20 7.30 7.40



#40

4-Methyl-2-pentanone

Concen: 107.227 ug/L

RT: 7.46 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VU029416.D

Acq: 12 Feb 2019 13:25

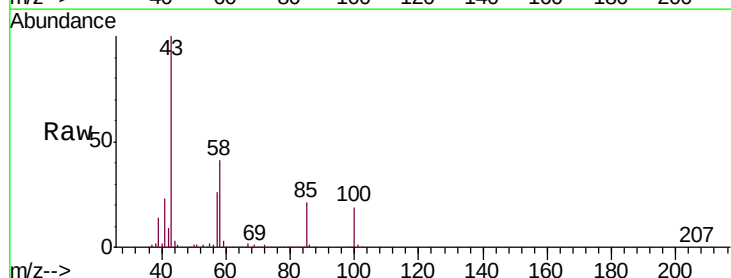
Tgt Ion: 43 Resp: 811834

Ion Ratio Lower Upper

43 100

58 41.7 33.4 50.2

100 18.2 14.4 21.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 100.15 (99.85 to 100.85): VU0

600000

500000

400000

300000

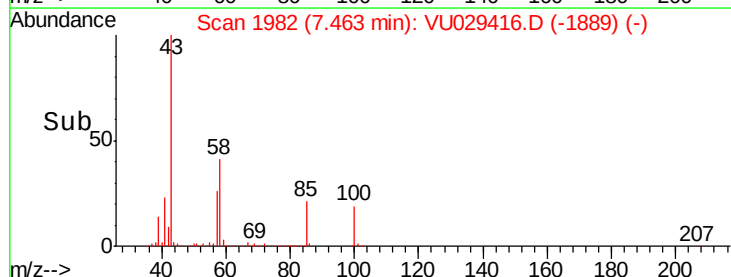
200000

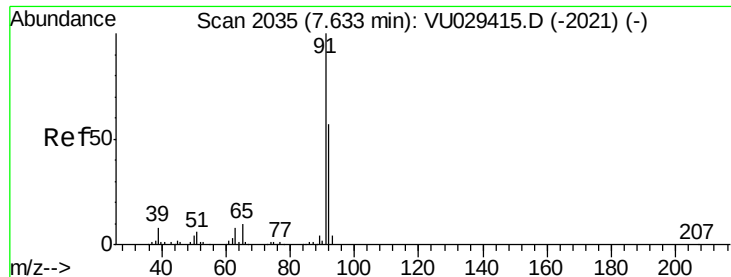
100000

0

Time-->

7.40 7.50





#42

Toluene

Concen: 10.684 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU029416.D

Acq: 12 Feb 2019 13:25

Instrument :

MSVOA_U

ClientSampleId :

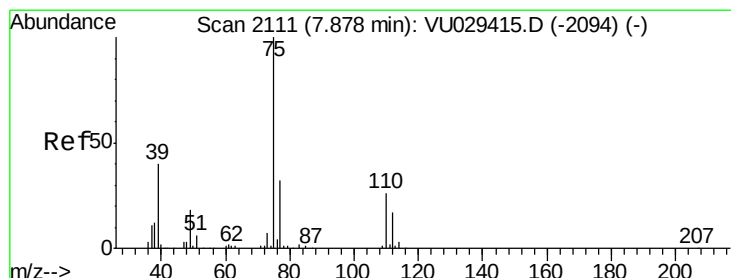
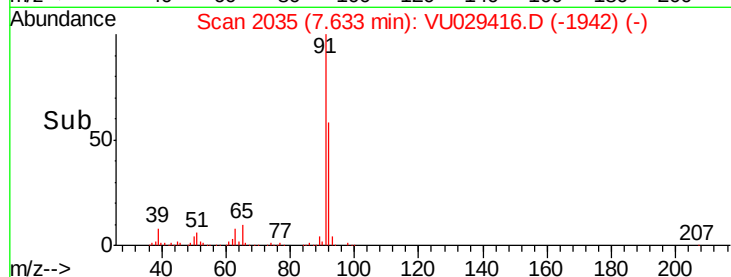
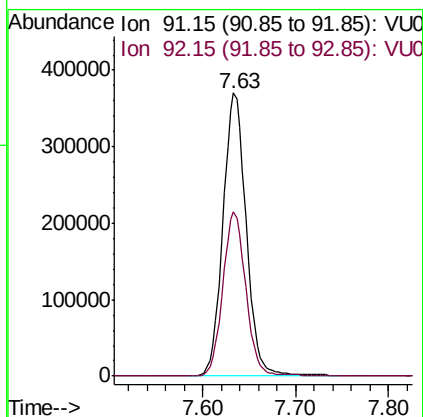
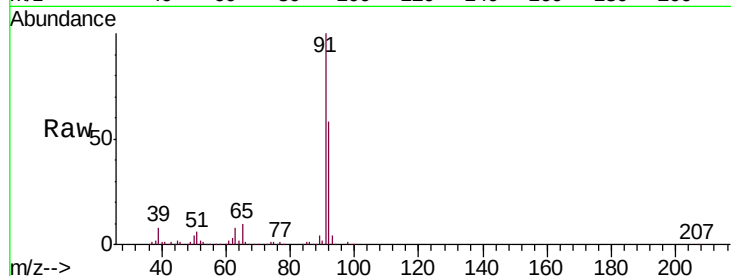
VSTD01048

Tgt Ion: 91 Resp: 645313

Ion Ratio Lower Upper

91 100

92 57.9 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 10.234 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU029416.D

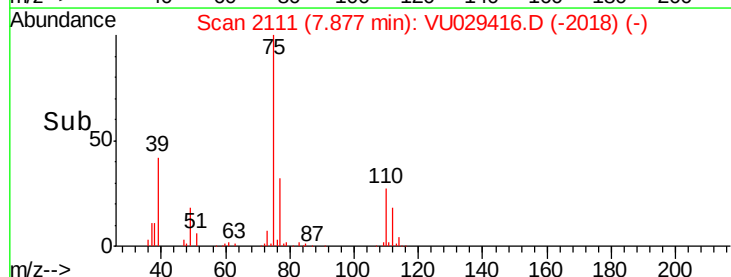
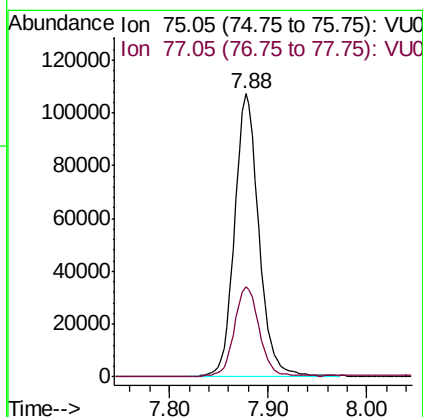
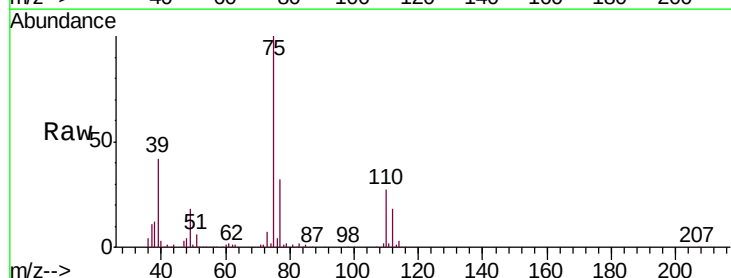
Acq: 12 Feb 2019 13:25

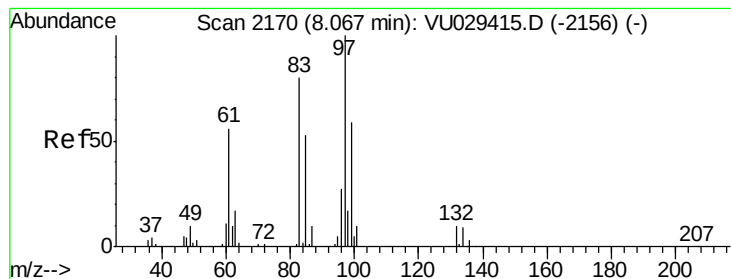
Tgt Ion: 75 Resp: 183373

Ion Ratio Lower Upper

75 100

77 31.7 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 10.430 ug/L

RT: 8.06 min Scan# 2169

Delta R.T. -0.00 min

Lab File: VU029416.D

Acq: 12 Feb 2019 13:25

Instrument :

MSVOA_U

ClientSampleID :

VSTD01048

Tgt Ion: 97 Resp: 108920

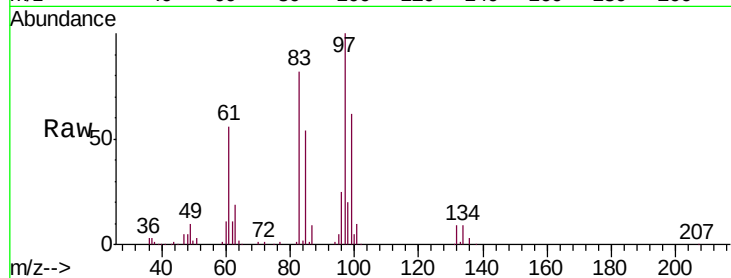
Ion Ratio Lower Upper

97 100

99 62.3 41.6 77.2

83 82.0 55.8 103.6

85 53.7 37.2 69.0

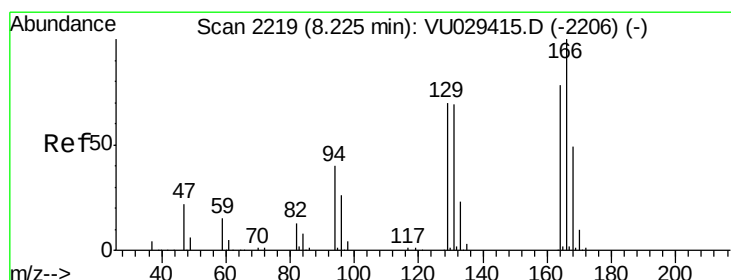
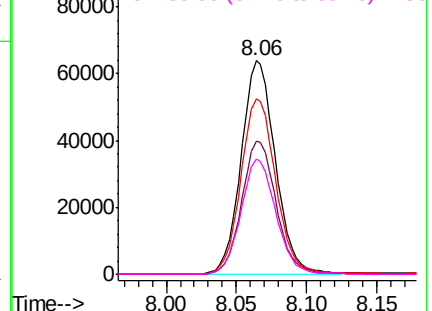
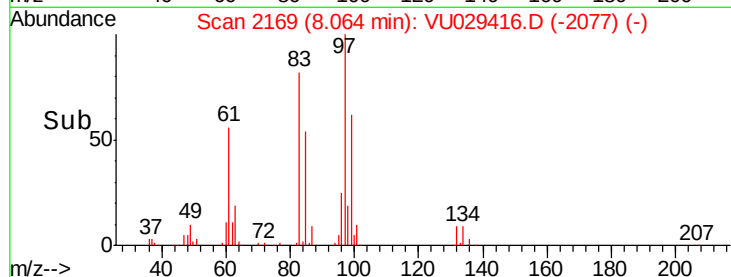


Abundance Ion 96.95 (96.65 to 97.65): VU029416.D (-2169) (-)

Ion 99.05 (98.75 to 99.75): VU029416.D (-2169) (-)

Ion 82.95 (82.65 to 83.65): VU029416.D (-2169) (-)

Ion 85.00 (84.70 to 85.70): VU029416.D (-2169) (-)



#47

Tetrachloroethene

Concen: 10.679 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VU029416.D

Acq: 12 Feb 2019 13:25

Tgt Ion: 164 Resp: 149537

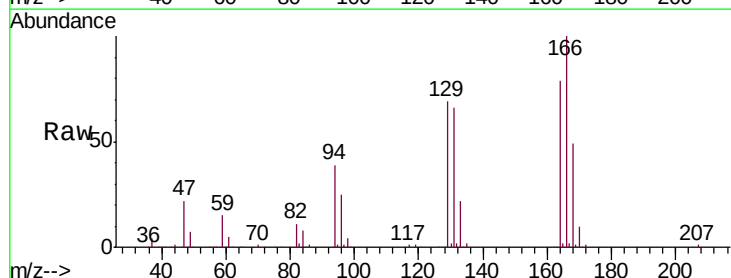
Ion Ratio Lower Upper

164 100

129 86.8 62.9 116.9

131 83.7 62.1 115.3

166 126.2 89.8 166.8

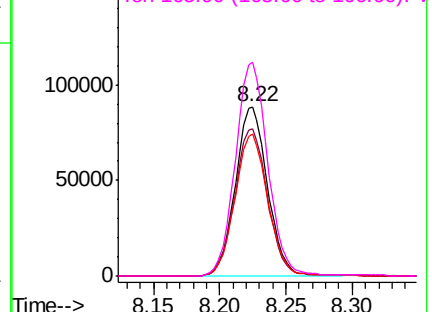
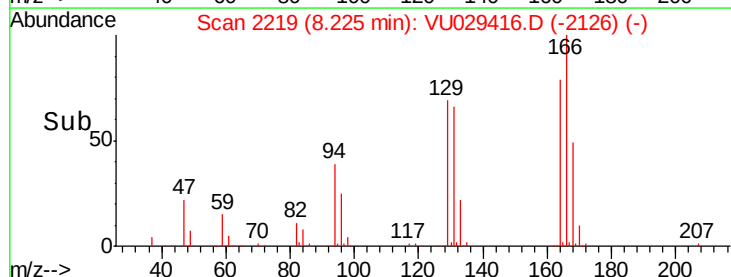


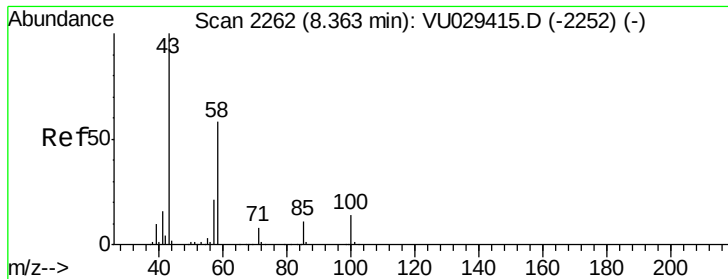
Abundance Ion 163.90 (163.60 to 164.60): VU029416.D (-2219) (-)

Ion 128.95 (128.65 to 129.65): VU029416.D (-2219) (-)

Ion 130.95 (130.65 to 131.65): VU029416.D (-2219) (-)

Ion 165.90 (165.60 to 166.60): VU029416.D (-2219) (-)

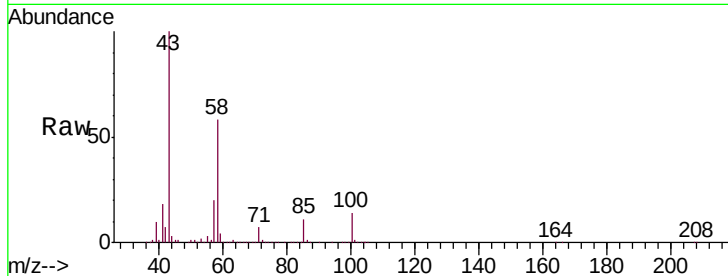




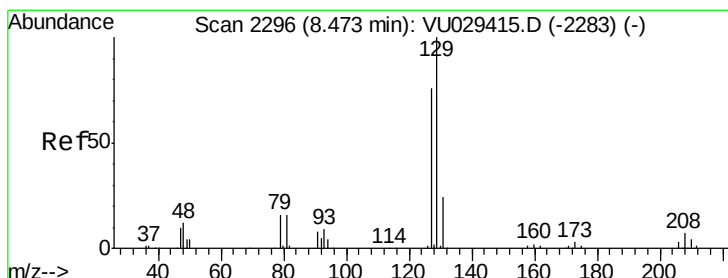
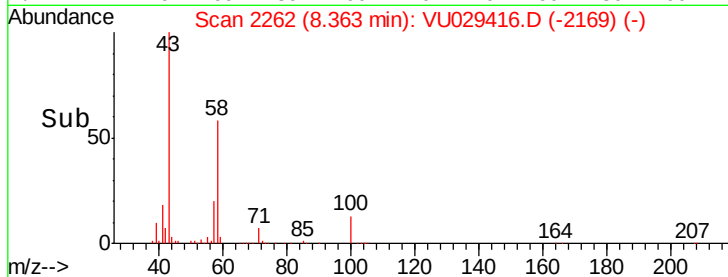
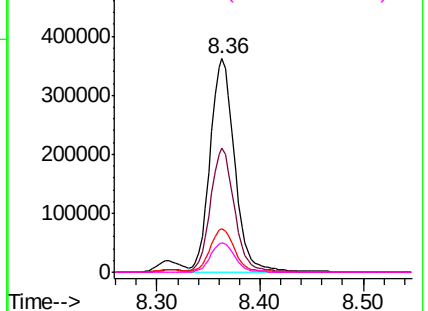
#48
2-Hexanone
Concen: 112.194 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VU029416.D
Acq: 12 Feb 2019 13:25

Instrument :
MSVOA_U
ClientSampleId :
VSTD01048

Tgt Ion: 43 Resp: 592518
Ion Ratio Lower Upper
43 100
58 57.3 45.7 68.5
57 20.1 16.4 24.6
100 14.0 11.1 16.7

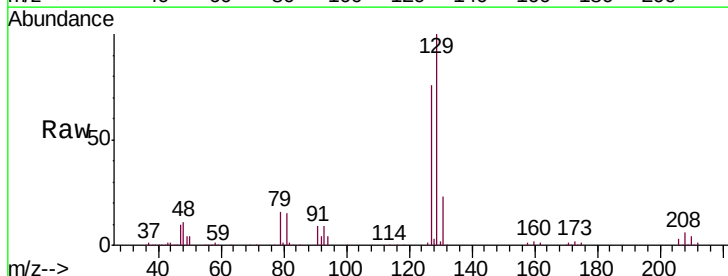


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

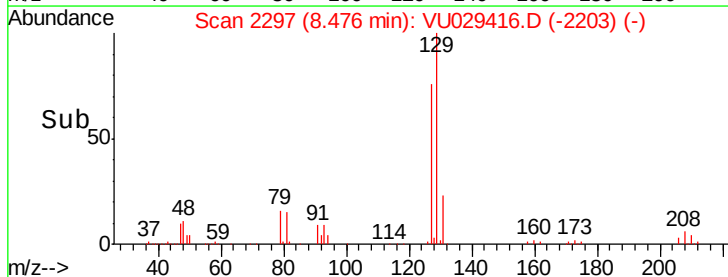
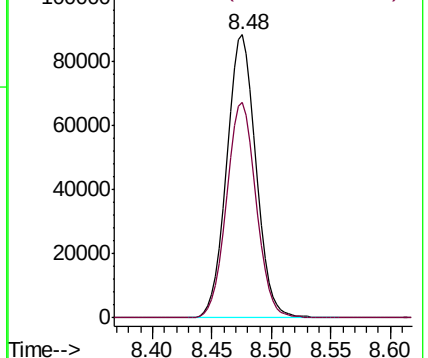


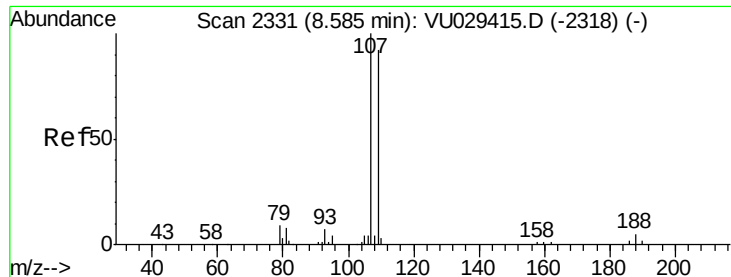
#49
Dibromochloromethane
Concen: 10.636 ug/L
RT: 8.48 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU029416.D
Acq: 12 Feb 2019 13:25

Tgt Ion: 129 Resp: 151054
Ion Ratio Lower Upper
129 100
127 76.1 53.3 99.1



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

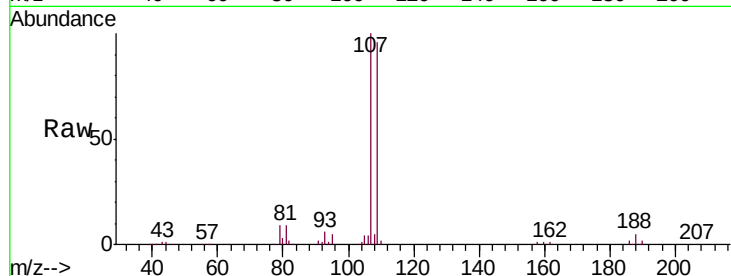




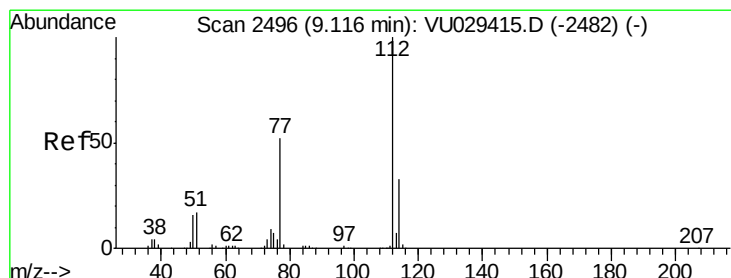
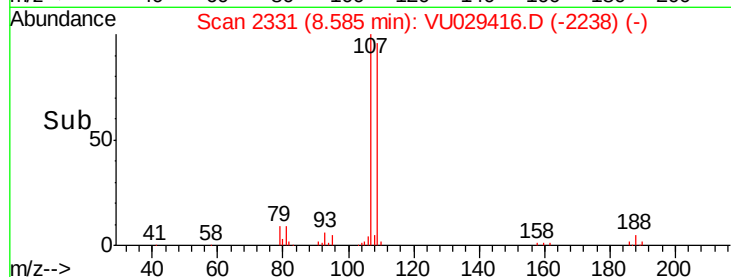
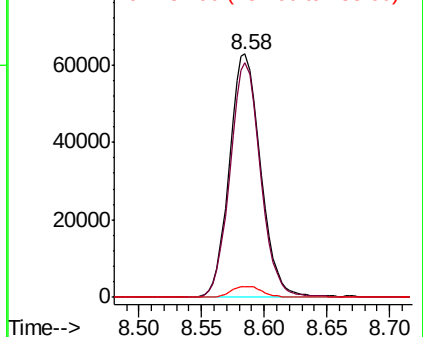
#50
1,2-Dibromoethane
Concen: 10.741 ug/L
RT: 8.58 min Scan# 2331
Delta R.T. -0.00 min
Lab File: VU029416.D
Acq: 12 Feb 2019 13:25

Instrument :
MSVOA_U
ClientSampleId :
VSTD01048

Tgt Ion:107 Resp: 108972
Ion Ratio Lower Upper
107 100
109 96.2 64.1 119.1
188 4.5 3.7 5.5

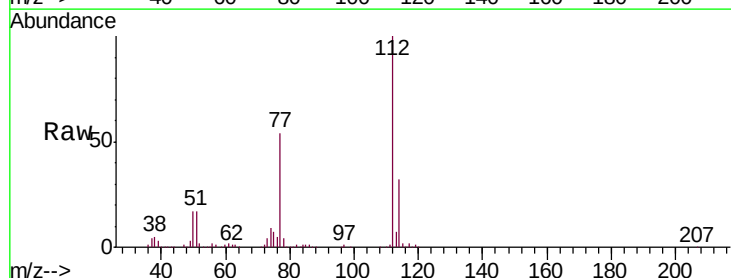


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

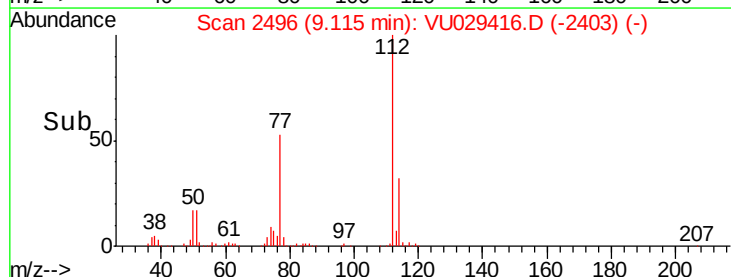
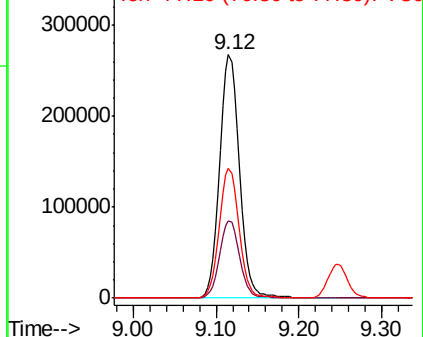


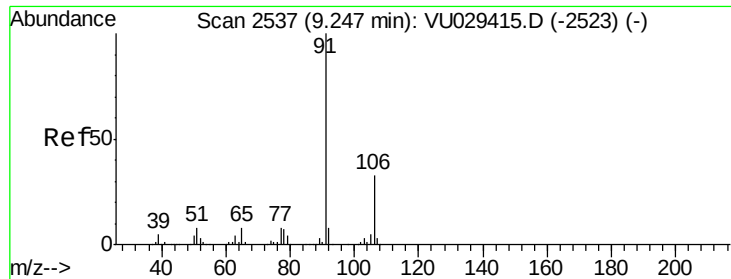
#51
Chlorobenzene
Concen: 10.574 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU029416.D
Acq: 12 Feb 2019 13:25

Tgt Ion:112 Resp: 439944
Ion Ratio Lower Upper
112 100
114 31.9 22.9 42.5
77 53.5 41.8 62.6



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





#52

Ethylbenzene

Concen: 10.596 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU029416.D

Acq: 12 Feb 2019 13:25

Instrument :

MSVOA_U

ClientSampleId :

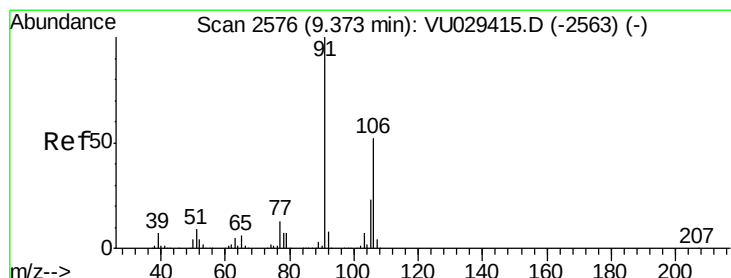
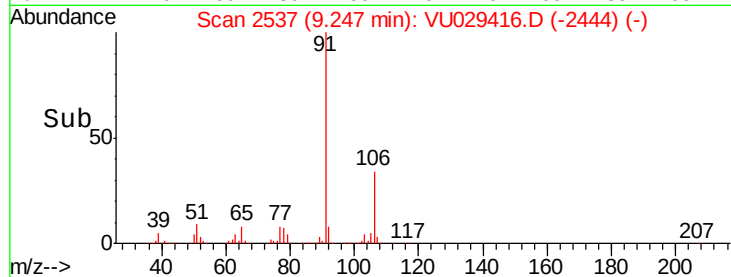
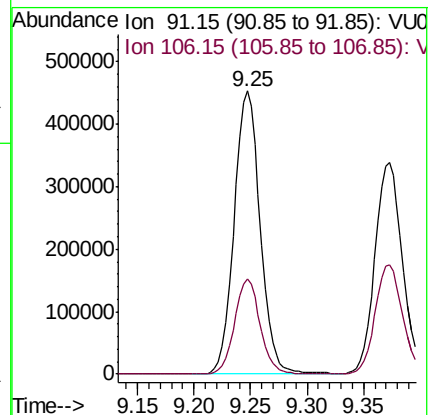
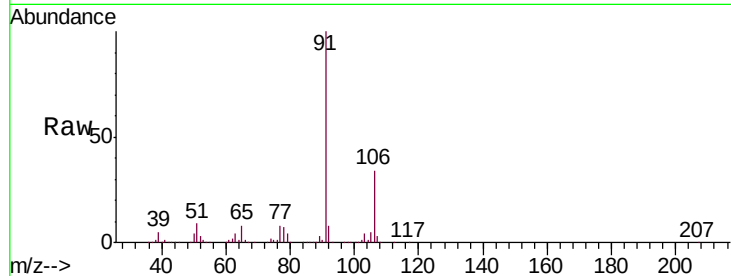
VSTD01048

Tgt Ion: 91 Resp: 727059

Ion Ratio Lower Upper

91 100

106 33.7 22.8 42.4



#53

m,p-xylene

Concen: 10.801 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU029416.D

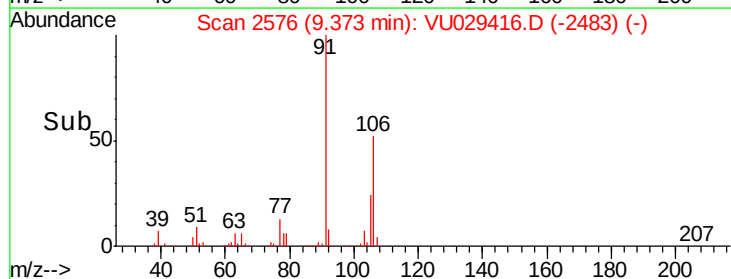
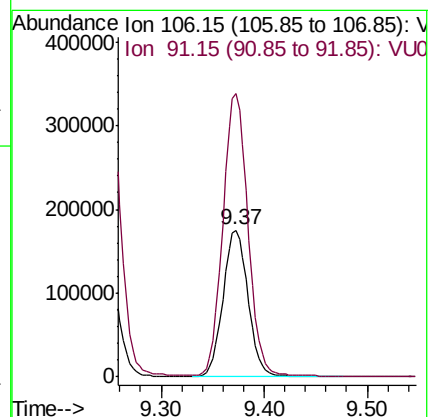
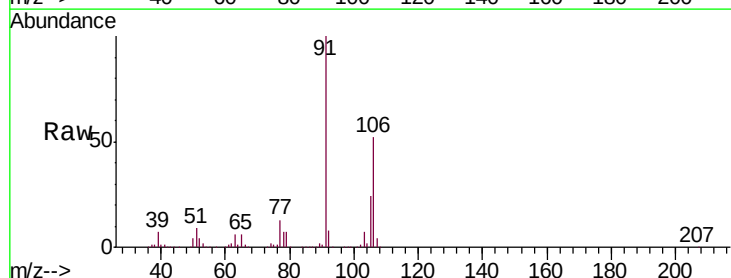
Acq: 12 Feb 2019 13:25

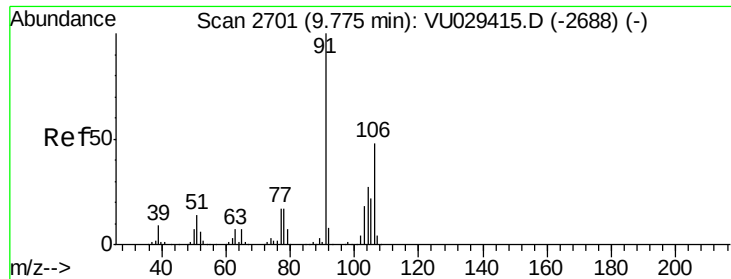
Tgt Ion: 106 Resp: 295452

Ion Ratio Lower Upper

106 100

91 193.2 135.7 251.9





#54

o-xylene

Concen: 10.837 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU029416.D

Acq: 12 Feb 2019 13:25

Instrument :

MSVOA_U

ClientSampleId :

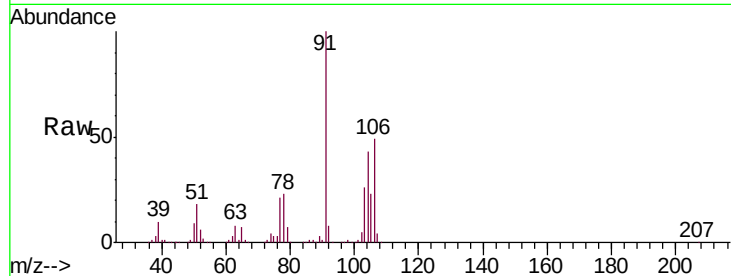
VSTD01048

Tgt Ion:106 Resp: 289251

Ion Ratio Lower Upper

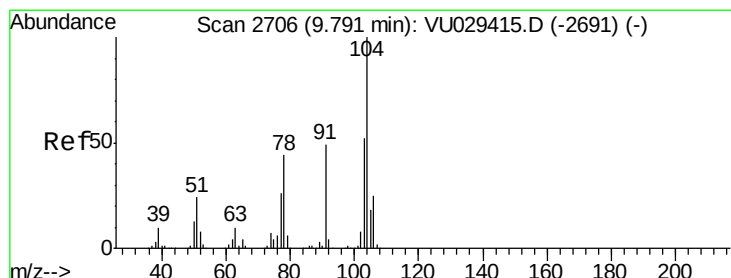
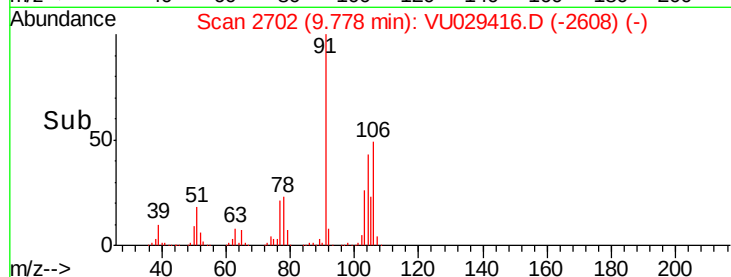
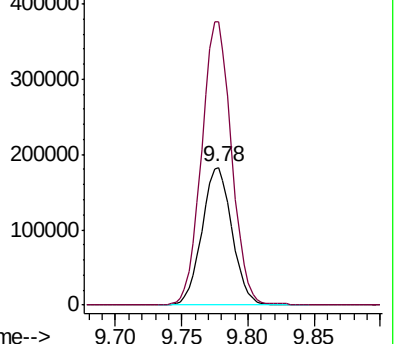
106 100

91 205.6 145.1 269.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 10.933 ug/L

RT: 9.79 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VU029416.D

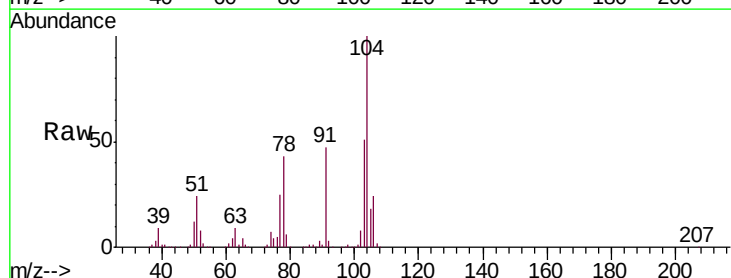
Acq: 12 Feb 2019 13:25

Tgt Ion:104 Resp: 483962

Ion Ratio Lower Upper

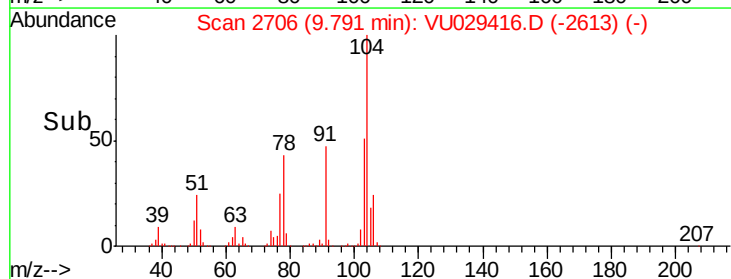
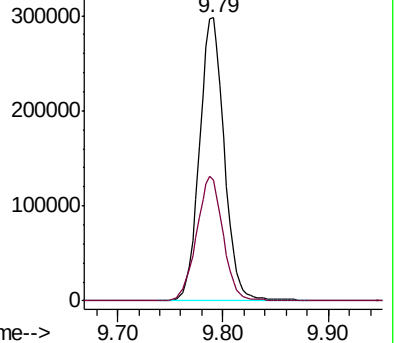
104 100

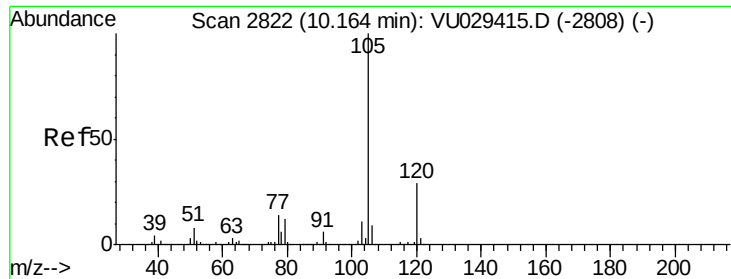
78 42.7 30.5 56.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 10.849 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU029416.D

Acq: 12 Feb 2019 13:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD01048

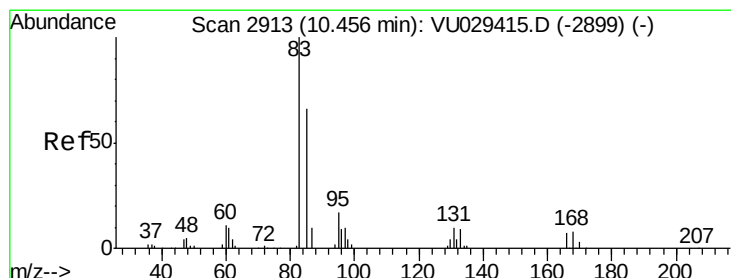
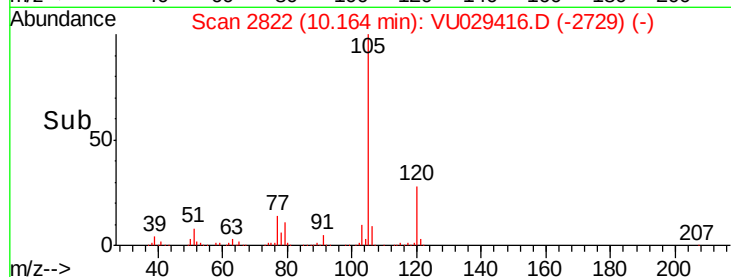
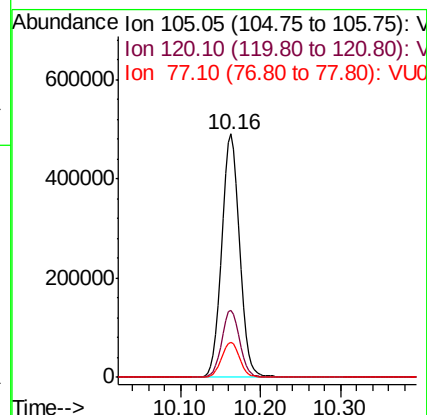
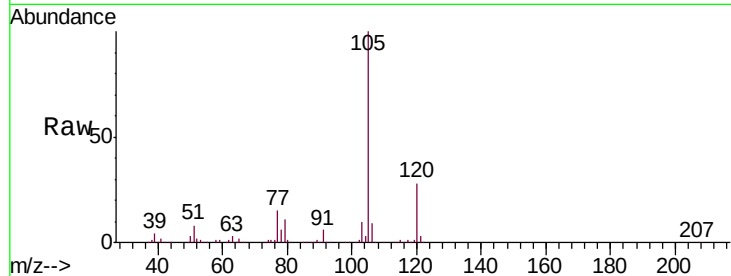
Tgt Ion: 105 Resp: 766702

Ion Ratio Lower Upper

105 100

120 27.7 22.2 33.4

77 14.6 11.5 17.3



#58

1,1,2,2-Tetrachloroethane

Concen: 10.465 ug/L

RT: 10.46 min Scan# 2913

Delta R.T. -0.00 min

Lab File: VU029416.D

Acq: 12 Feb 2019 13:25

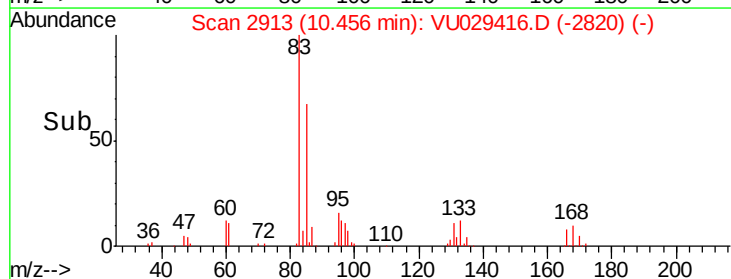
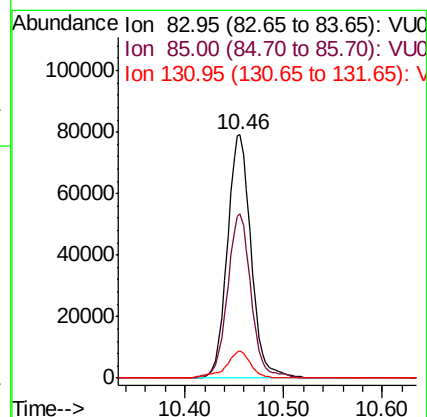
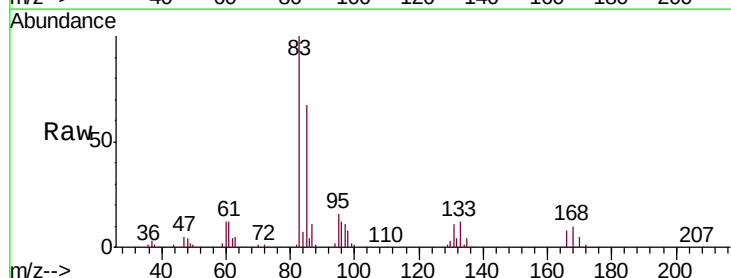
Tgt Ion: 83 Resp: 133806

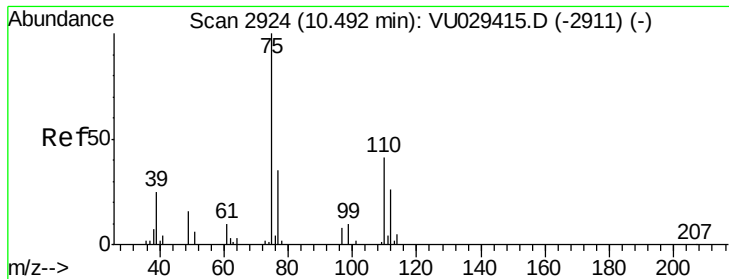
Ion Ratio Lower Upper

83 100

85 67.3 46.5 86.3

131 11.1 8.3 12.5

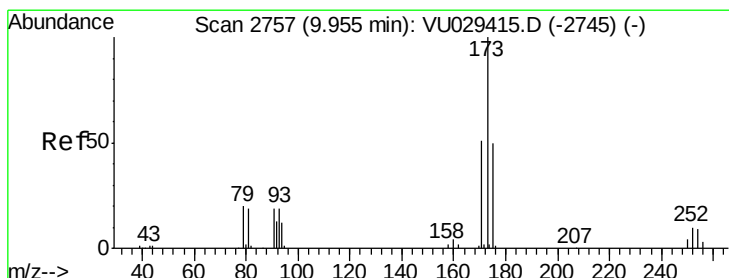
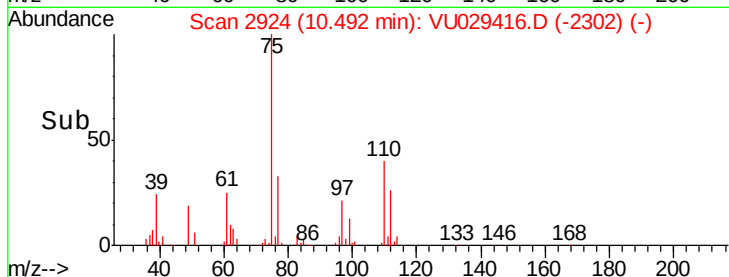
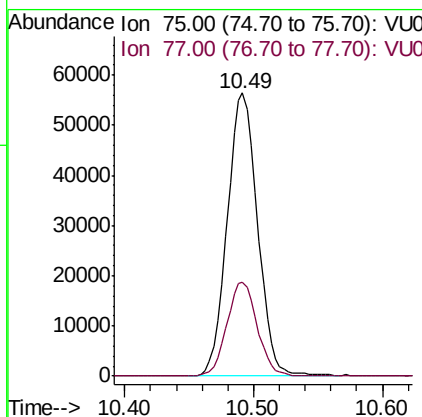
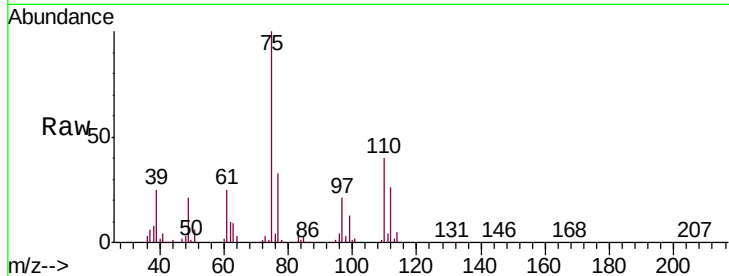




#59
 1,2,3-Trichloropropane
 Concen: 10.801 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. -0.00 min
 Lab File: VU029416.D
 Acq: 12 Feb 2019 13:25

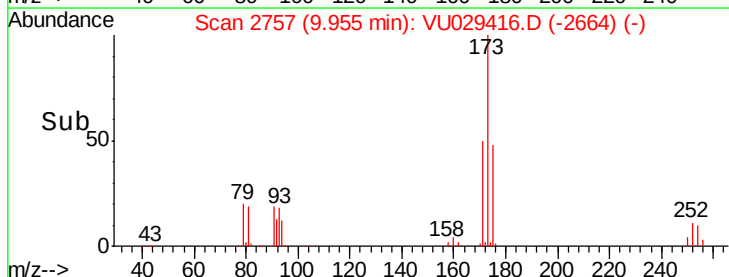
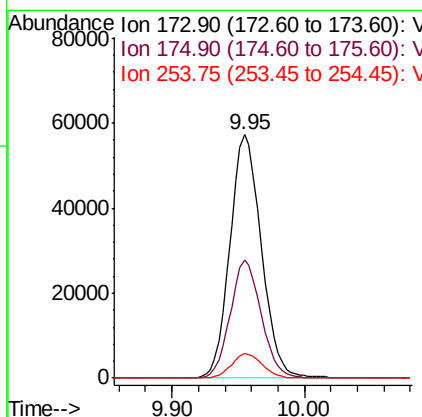
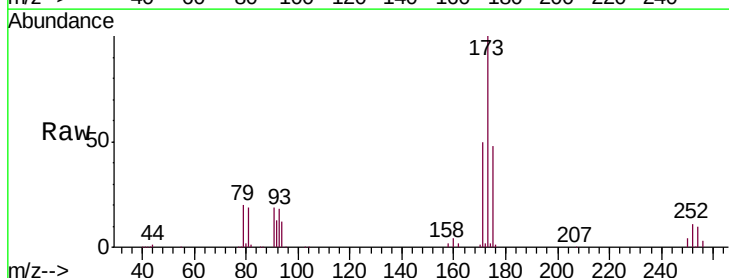
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01048

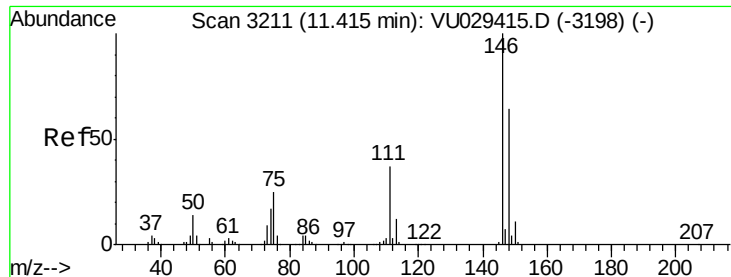
Tgt Ion: 75 Resp: 91991
 Ion Ratio Lower Upper
 75 100
 77 33.5 28.2 42.2



#61
 Bromoform
 Concen: 10.470 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. -0.00 min
 Lab File: VU029416.D
 Acq: 12 Feb 2019 13:25

Tgt Ion: 173 Resp: 94239
 Ion Ratio Lower Upper
 173 100
 175 47.9 39.2 58.8
 254 9.9 7.8 11.6





#62

1,3-Dichlorobenzene

Concen: 10.842 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU029416.D

Acq: 12 Feb 2019 13:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD01048

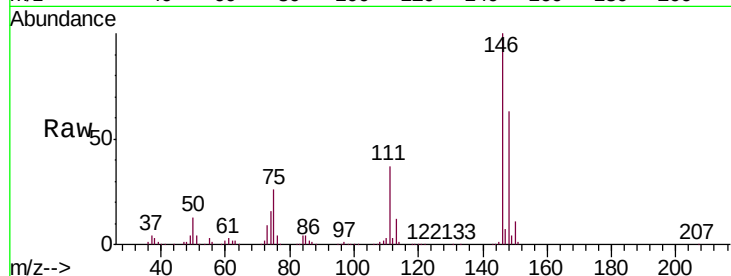
Tgt Ion:146 Resp: 386800

Ion Ratio Lower Upper

146 100

111 37.3 26.1 48.5

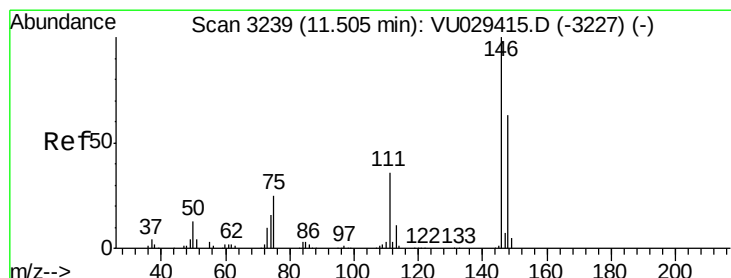
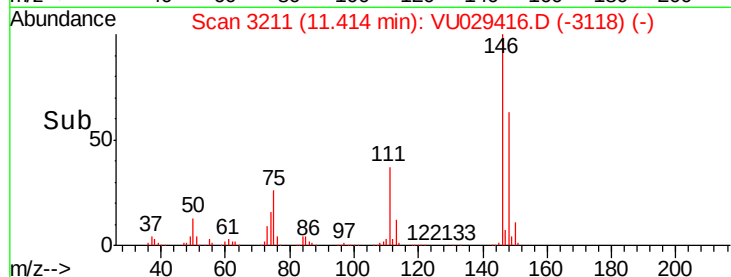
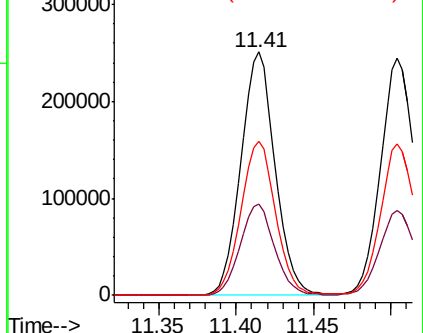
148 63.3 44.7 82.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 10.671 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU029416.D

Acq: 12 Feb 2019 13:25

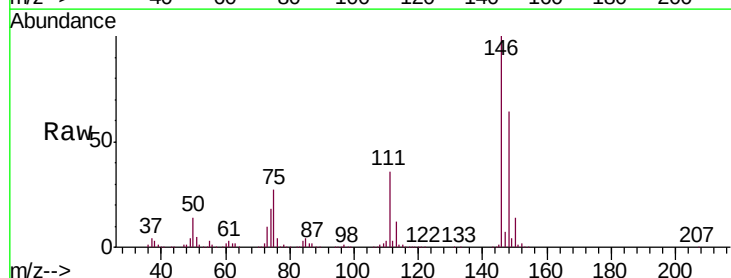
Tgt Ion:146 Resp: 386390

Ion Ratio Lower Upper

146 100

111 35.8 25.6 47.6

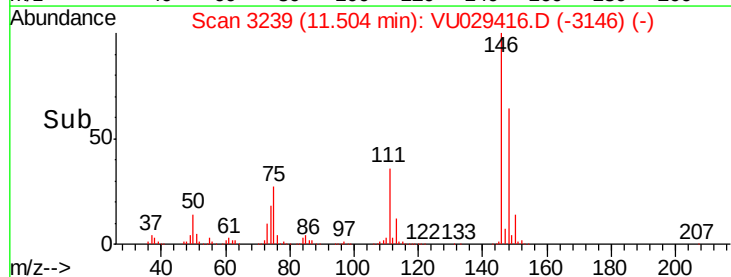
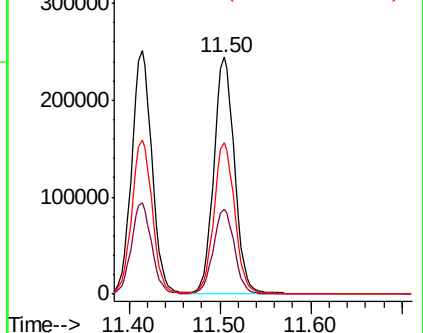
148 63.8 44.2 82.0

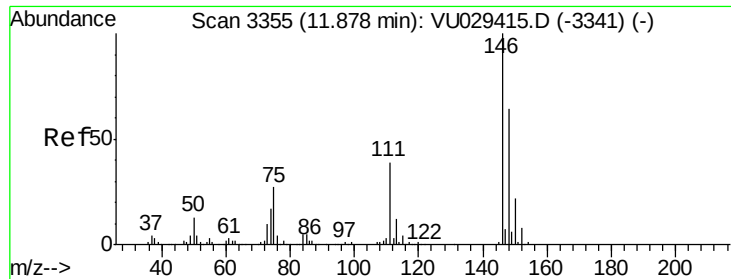


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 10.840 ug/L

RT: 11.88 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VU029416.D

Acq: 12 Feb 2019 13:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD01048

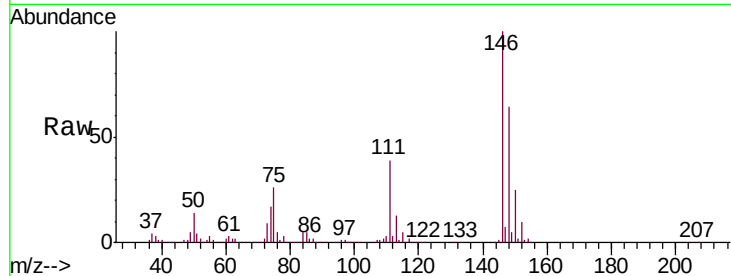
Tgt Ion:146 Resp: 362637

Ion Ratio Lower Upper

146 100

111 39.4 30.9 46.3

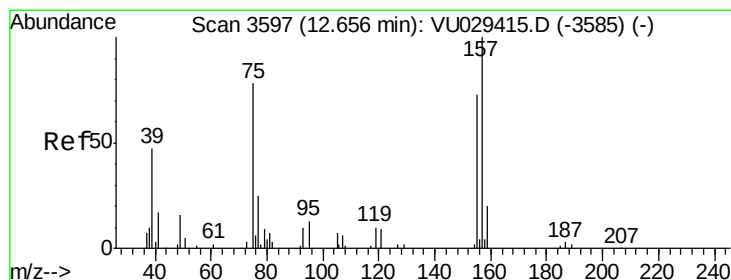
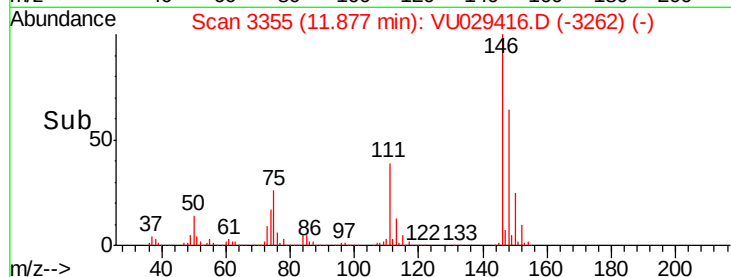
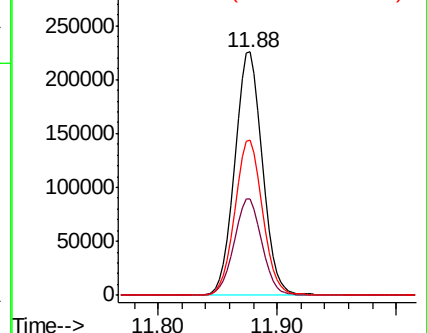
148 63.5 51.0 76.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 10.347 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. -0.00 min

Lab File: VU029416.D

Acq: 12 Feb 2019 13:25

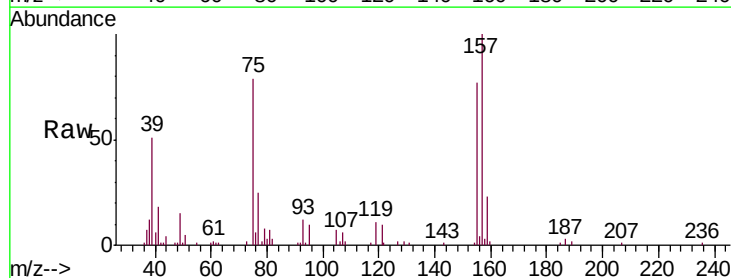
Tgt Ion: 75 Resp: 22997

Ion Ratio Lower Upper

75 100

155 98.3 75.3 112.9

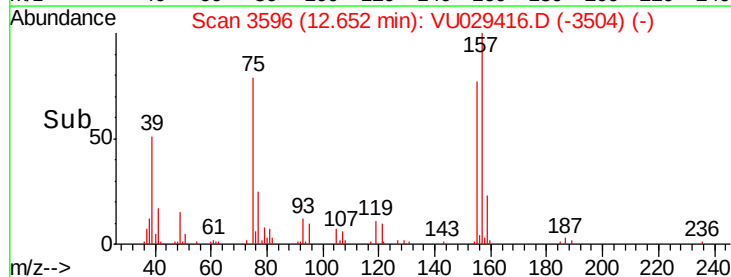
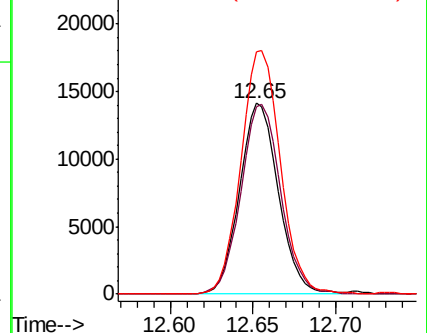
157 126.9 103.0 154.4

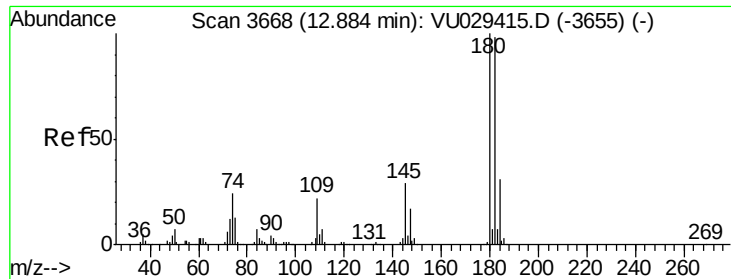


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

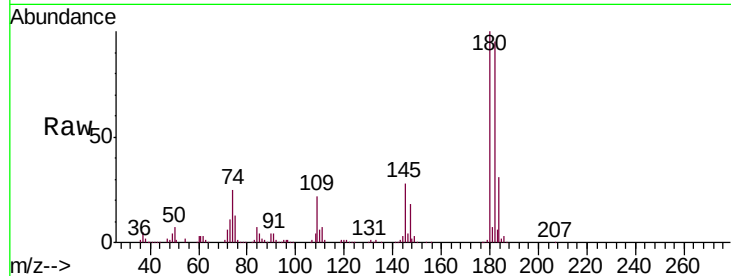




#67
 1,3,5-Trichlorobenzene
 Concen: 11.106 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: VU029416.D
 Acq: 12 Feb 2019 13:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01048

Tgt Ion:	180	Resp:	327505
Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.0	114.0
184	31.0	24.1	36.1
145	27.8	22.6	34.0



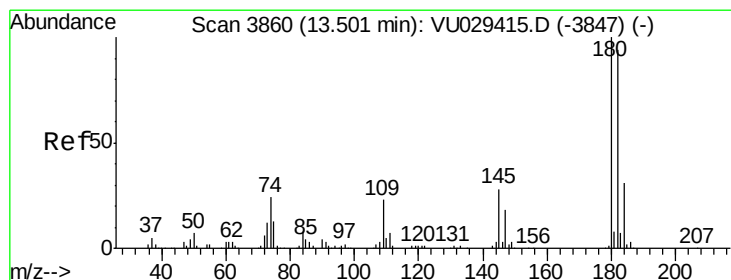
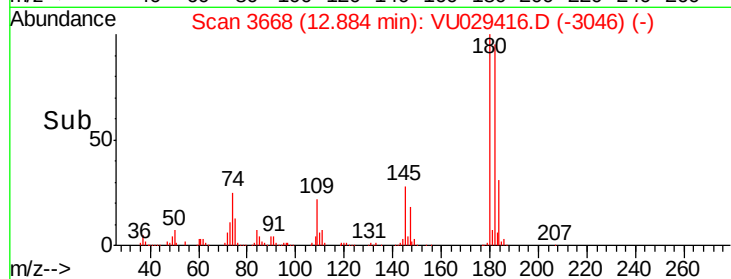
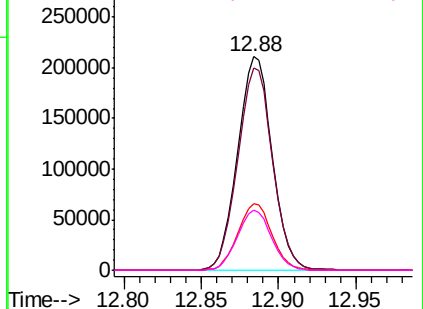
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

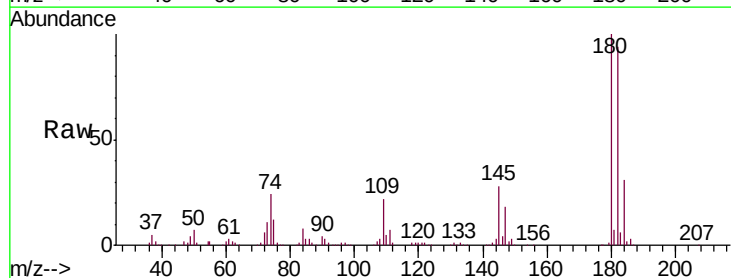
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 11.218 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. -0.00 min
 Lab File: VU029416.D
 Acq: 12 Feb 2019 13:25

Tgt Ion:	180	Resp:	287280
Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.1	115.7
145	28.7	23.1	34.7

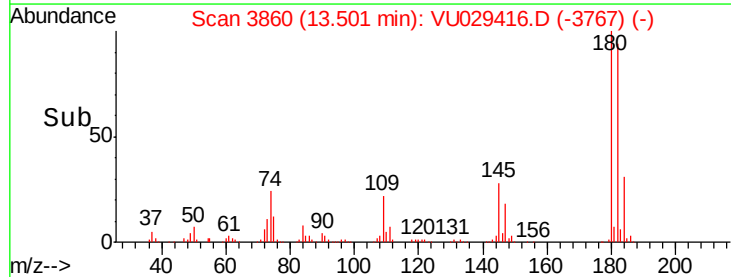
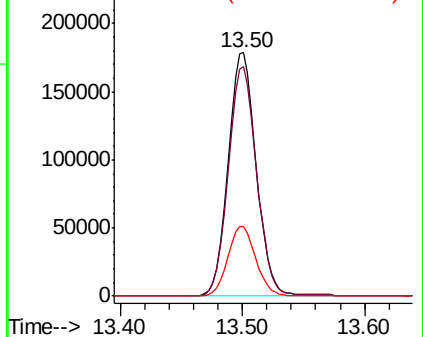


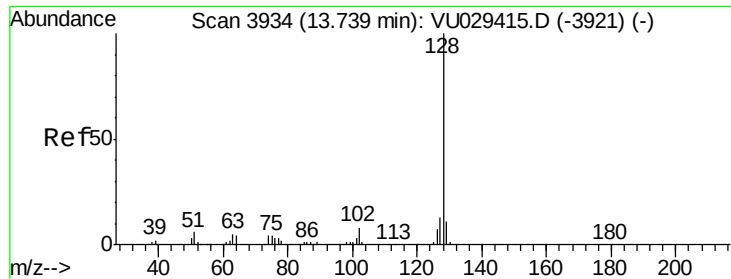
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 12.120 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU029416.D

Acq: 12 Feb 2019 13:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD01048

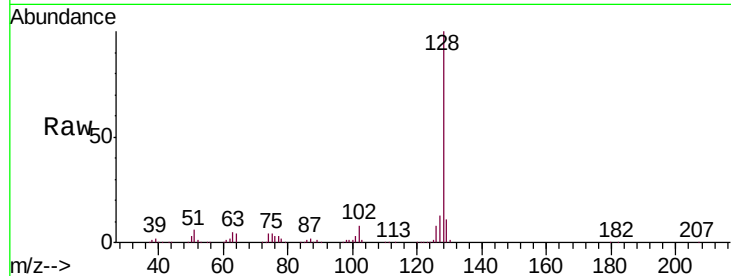
Tgt Ion:128 Resp: 485331

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

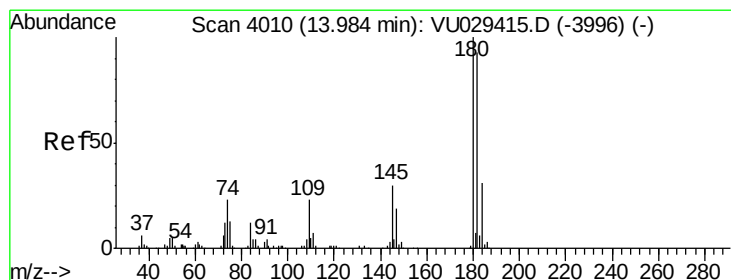
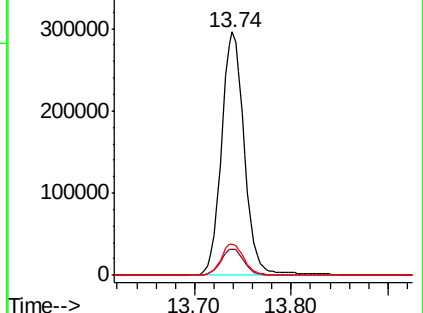
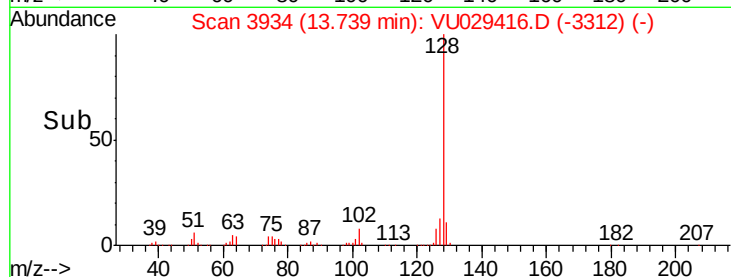
127 13.1 10.3 15.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 11.349 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU029416.D

Acq: 12 Feb 2019 13:25

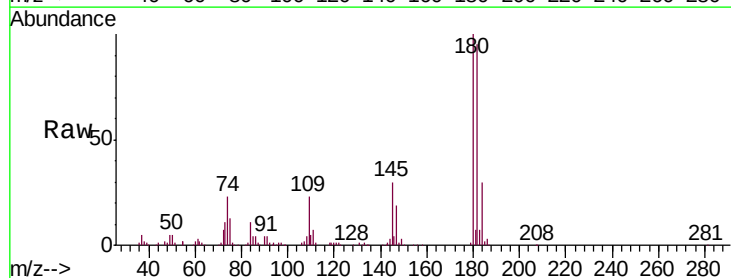
Tgt Ion:180 Resp: 263984

Ion Ratio Lower Upper

180 100

182 94.8 75.9 113.9

145 30.0 23.8 35.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

