

Data File : VU031403.D
Acq On : 22 Apr 2019 19:47
Operator : JC/SP
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VICV53

Quant Time: Apr 23 04:06:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 23 04:02:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	708660	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	652444	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	309831	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	277901	48.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.78%
7) Chloroethane-d5	1.68	69	215563	49.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.60%
11) 1,1-Dichloroethene-d2	2.27	63	494582	49.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.02%
21) 2-Butanone-d5	4.19	46	444573	103.56	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.56%
24) Chloroform-d	4.64	84	453563	49.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.14%
26) 1,2-Dichloroethane-d4	5.31	65	268525	48.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.98%
32) Benzene-d6	5.34	84	946785	50.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.46%
36) 1,2-Dichloropropane-d6	6.32	67	303166	49.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.98%
41) Toluene-d8	7.56	98	845683	50.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.46%
43) trans-1,3-Dichloropropene-	7.85	79	141323	51.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.28%
47) 2-Hexanone-d5	8.31	63	312000	102.67	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.67%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	418202	50.83	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.66%
64) 1,2-Dichlorobenzene-d4	11.86	152	317741	50.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.34%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	255900	50.947	ug/L	99
3) Chloromethane	1.32	50	315400	49.230	ug/L	99
5) Vinyl chloride	1.40	62	318187	50.407	ug/L	100
6) Bromomethane	1.63	94	192240	52.175	ug/L	99
8) Chloroethane	1.70	64	182895	50.845	ug/L	100
9) Trichlorofluoromethane	1.88	101	383533	50.698	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	226164	51.536	ug/L	100
12) 1,1-Dichloroethene	2.28	96	224447	51.990	ug/L	99
13) Acetone	2.34	43	315111	93.493	ug/L	99
14) Carbon disulfide	2.47	76	654527	50.512	ug/L	100
15) Methyl Acetate	2.62	43	316093	51.339	ug/L	99
16) Methylene chloride	2.70	84	249506	50.731	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	232612	52.242	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	752015	51.353	ug/L	100
19) 1,1-Dichloroethane	3.44	63	445884	51.226	ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	258614	51.189	ug/L	99
22) 2-Butanone	4.28	43	460026	105.324	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	129611	51.153	ug/L	98
25) Chloroform	4.67	83	430849	51.358	ug/L	94
27) 1,2-Dichloroethane	5.40	62	315433	50.418	ug/L	97
29) Cyclohexane	4.99	56	416245	52.579	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	360440	51.819	ug/L	99
31) Carbon tetrachloride	5.13	117	312021	52.395	ug/L	100
33) Benzene	5.39	78	961394	50.919	ug/L	100
34) Trichloroethene	6.18	95	245574	49.110	ug/L	99
35) Methylcyclohexane	6.41	83	375792	51.357	ug/L	98
37) 1,2-Dichloropropane	6.43	63	263701	52.427	ug/L	100
38) Bromodichloromethane	6.75	83	317045	51.384	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	401700	53.362	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	809250	105.863	ug/L	99
42) Toluene	7.63	91	1021388	52.130	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	339287	52.286	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	242984	52.598	ug/L	99
46) Tetrachloroethene	8.22	164	185305	52.250	ug/L	99
48) 2-Hexanone	8.36	43	640970	107.489	ug/L	99
49) Dibromochloromethane	8.47	129	257853	52.608	ug/L	100
50) 1,2-Dibromoethane	8.58	107	260639	53.641	ug/L	97
51) Chlorobenzene	9.12	112	627715	51.623	ug/L	98
52) Ethylbenzene	9.25	91	1098922	52.353	ug/L	100
53) m,p-Xylene	9.37	106	400642	52.296	ug/L	100
54) o-xylene	9.77	106	411021	53.363	ug/L	98
55) Styrene	9.79	104	692367	54.050	ug/L	98
56) Isopropylbenzene	10.16	105	1066522	53.898	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	407667	51.111	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	323339	52.086	ug/L	98
61) Bromoform	9.95	173	193177	50.712	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	466775	51.447	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	467785	51.684	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	486326	52.434	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	93212	54.343	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	356932	53.380	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	305589	56.849	ug/L	97
69) Naphthalene	13.74	128	1052455	56.319	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	325074	56.164	ug/L	98

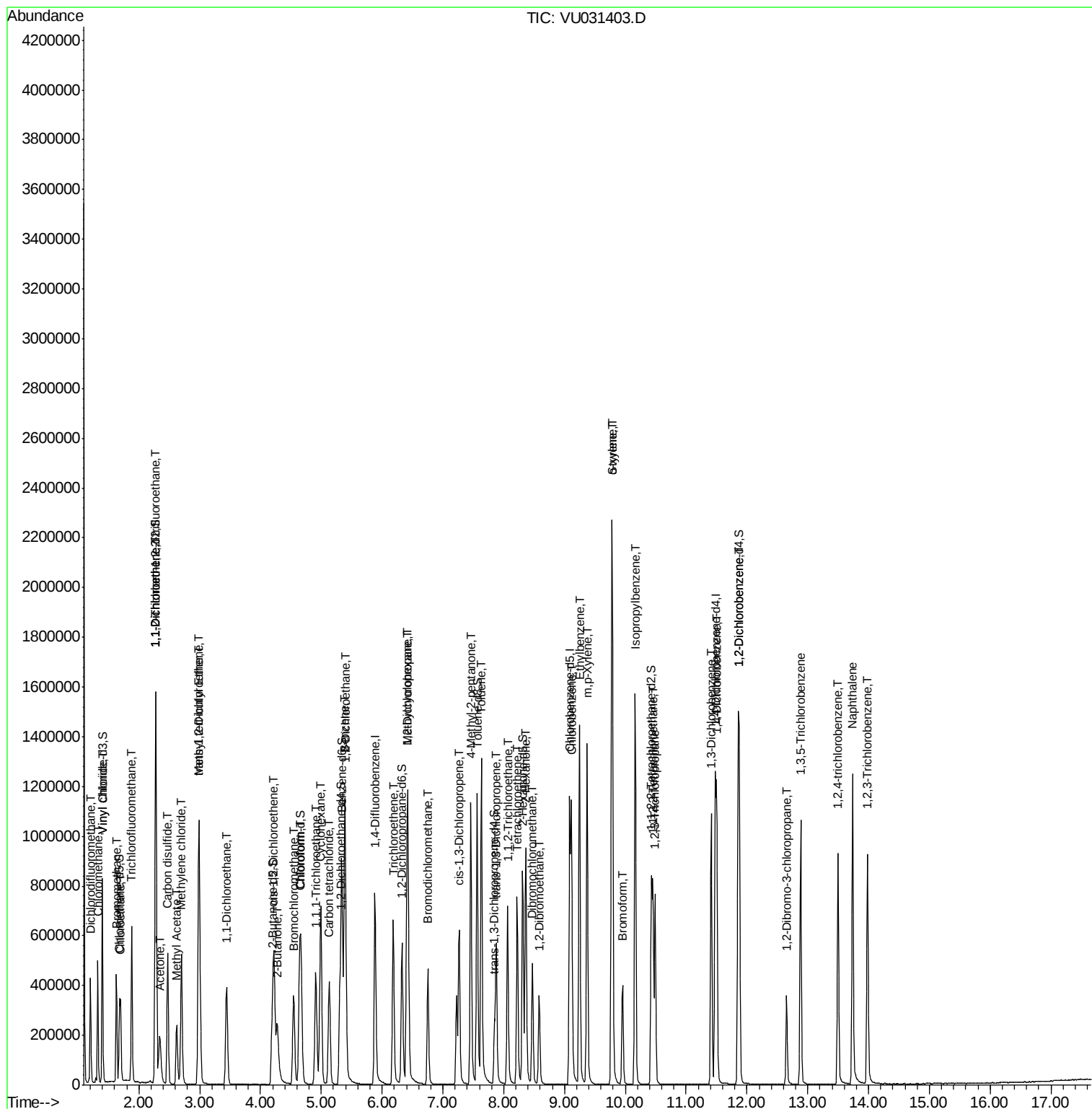
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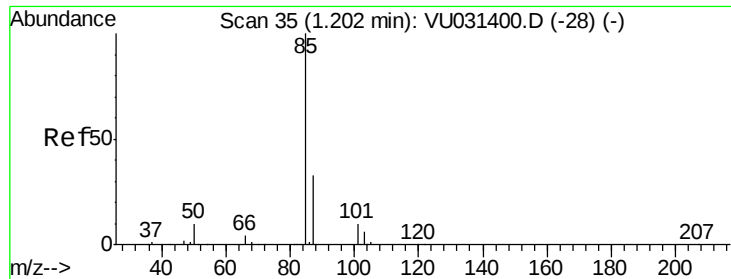
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#2

Dichlorodifluoromethane

Concen: 50.947 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU031403.D

Acq: 22 Apr 2019 19:47

Instrument :

MSVOA_U

ClientSampleId :

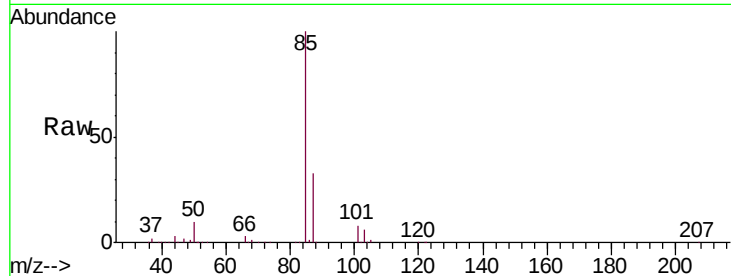
VICV53

Tgt Ion: 85 Resp: 255900

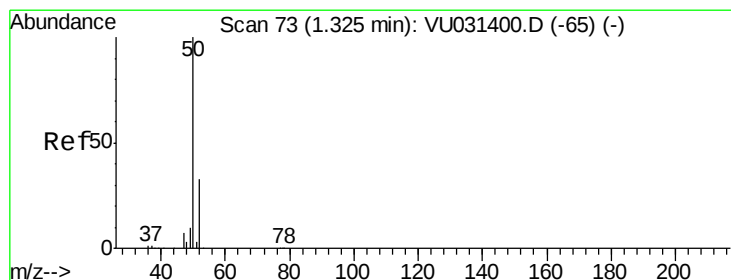
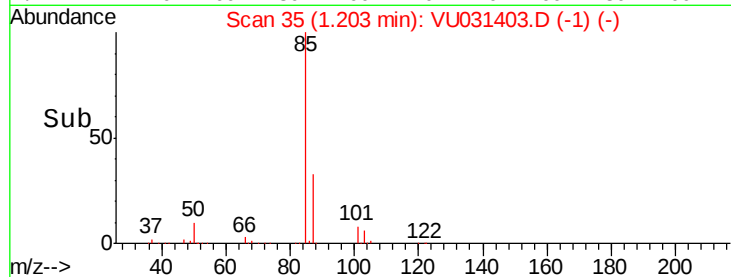
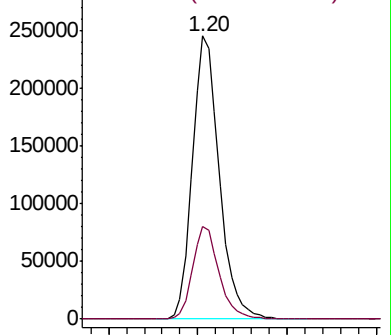
Ion Ratio Lower Upper

85 100

87 32.2 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU031403.D (-1) (-)



#3

Chloromethane

Concen: 49.230 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU031403.D

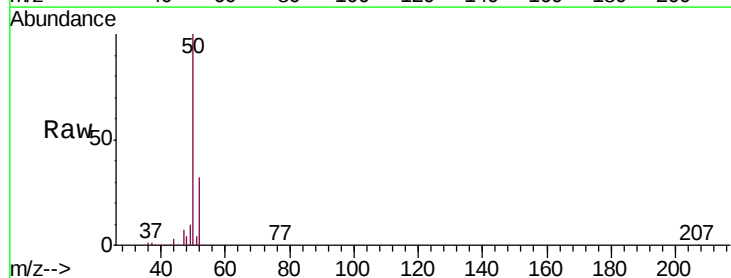
Acq: 22 Apr 2019 19:47

Tgt Ion: 50 Resp: 315400

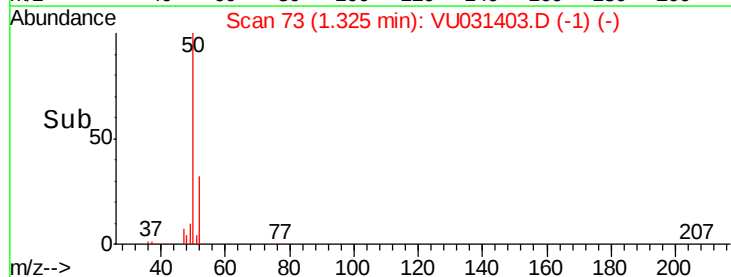
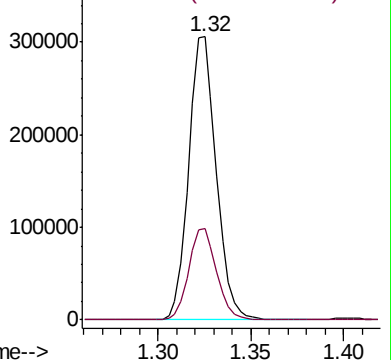
Ion Ratio Lower Upper

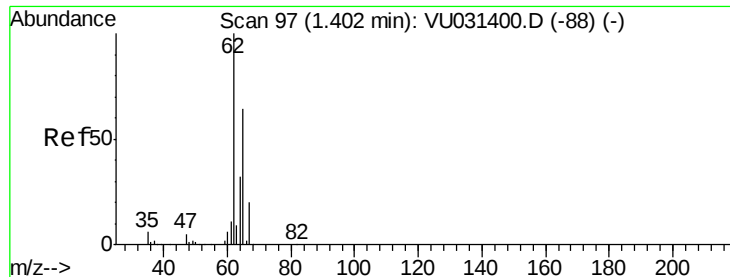
50 100

52 32.2 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VU031403.D (-1) (-)





#5

Vinyl chloride

Concen: 50.407 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU031403.D

Acq: 22 Apr 2019 19:47

Instrument :

MSVOA_U

ClientSampleId :

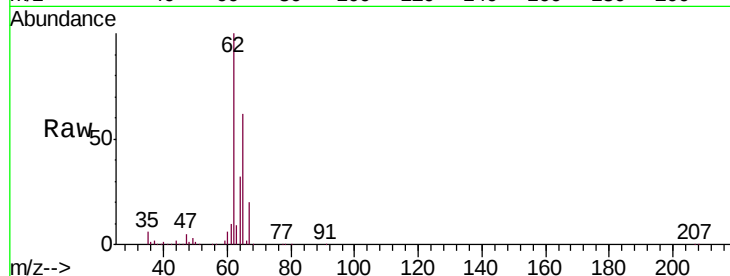
VICV53

Tgt Ion: 62 Resp: 318187

Ion Ratio Lower Upper

62 100

64 32.4 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU031403.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU031403.D (-88) (-)

1.40

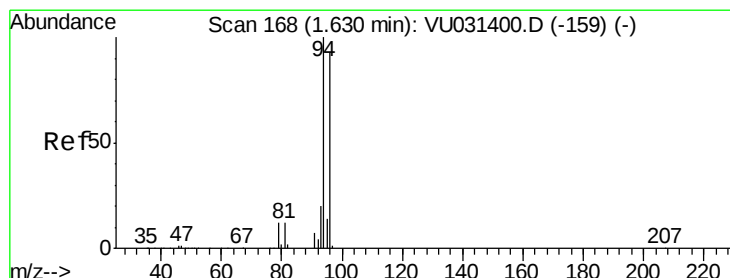
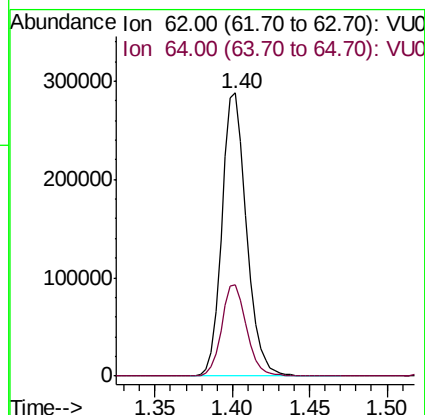
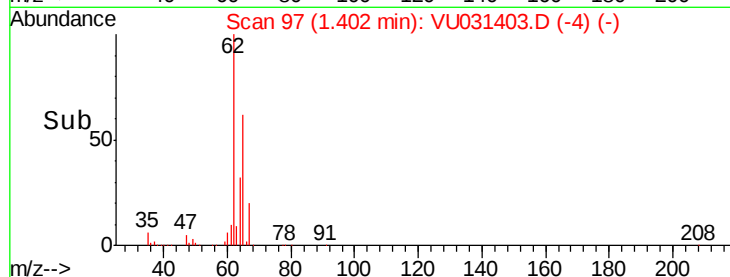
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 52.175 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU031403.D

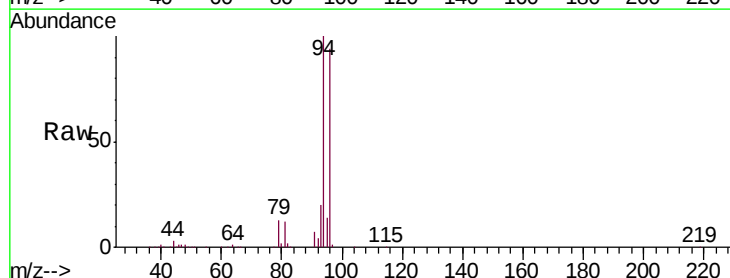
Acq: 22 Apr 2019 19:47

Tgt Ion: 94 Resp: 192240

Ion Ratio Lower Upper

94 100

96 93.6 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VU031403.D (-159) (-)

Ion 96.00 (95.70 to 96.70): VU031403.D (-159) (-)

1.63

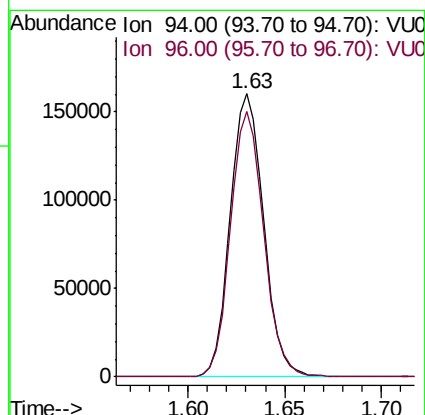
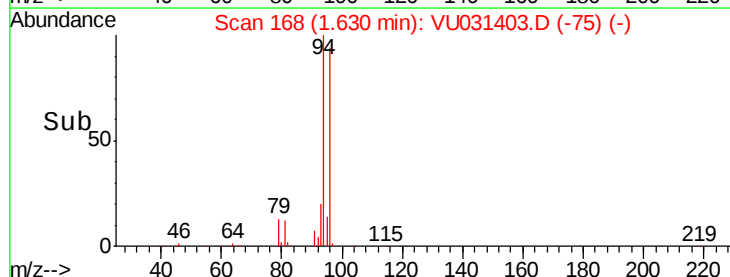
150000

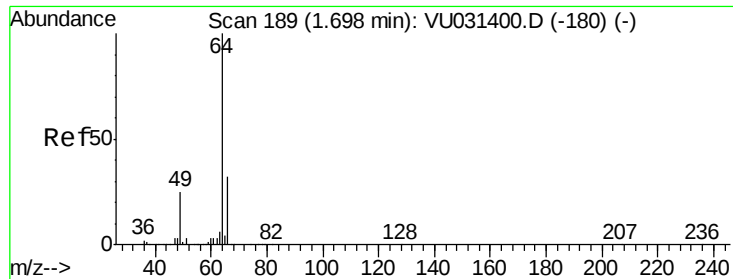
100000

50000

0

Time-->





#8

Chloroethane

Concen: 50.845 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU031403.D

Acq: 22 Apr 2019 19:47

Instrument :

MSVOA_U

ClientSampleId :

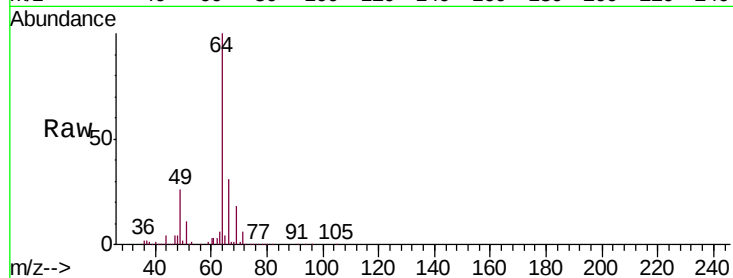
VICV53

Tgt Ion: 64 Resp: 182895

Ion Ratio Lower Upper

64 100

66 31.5 22.1 41.1



Abundance Ion 64.00 (63.70 to 64.70): VU031403.D (-180) (-)

Ion 66.00 (65.70 to 66.70): VU031403.D (-180) (-)

1.70

150000

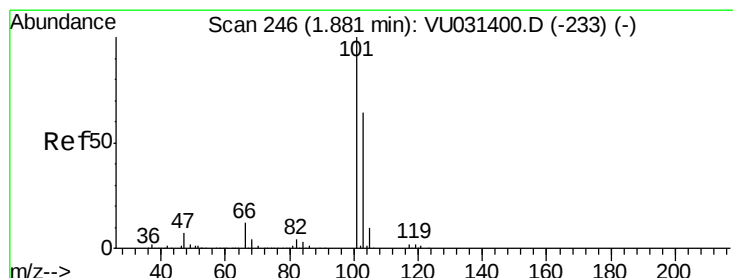
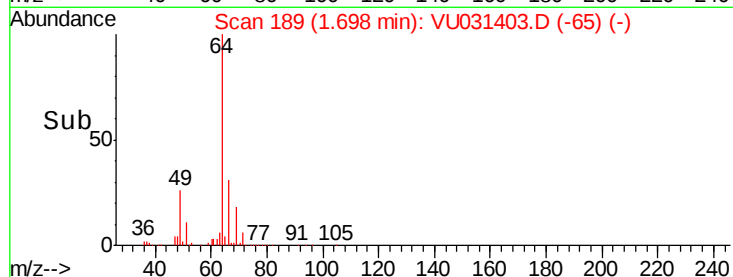
100000

50000

0

1.65 1.70 1.75 1.80

Time-->



#9

Trichlorofluoromethane

Concen: 50.698 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

Lab File: VU031403.D

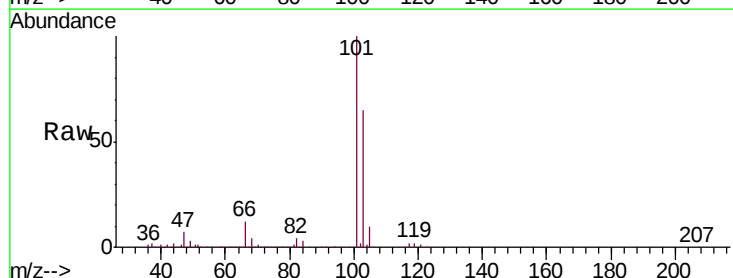
Acq: 22 Apr 2019 19:47

Tgt Ion: 101 Resp: 383533

Ion Ratio Lower Upper

101 100

103 64.8 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VU031403.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU031403.D (-233) (-)

1.88

300000

250000

200000

150000

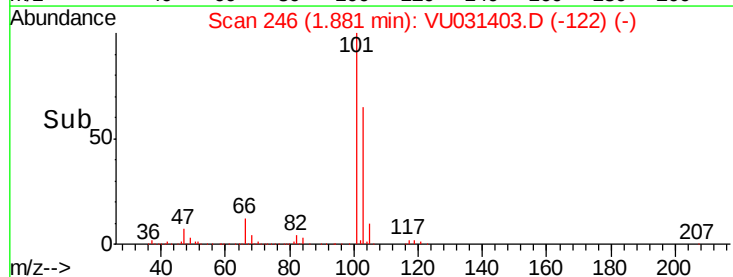
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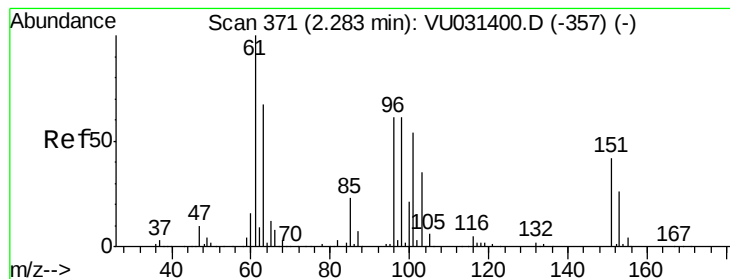
50000

0

1.80 1.85 1.90 1.95

Time-->





#10

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

Concen: 51.536 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU031403.D

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ClientSampleId :

VICV53

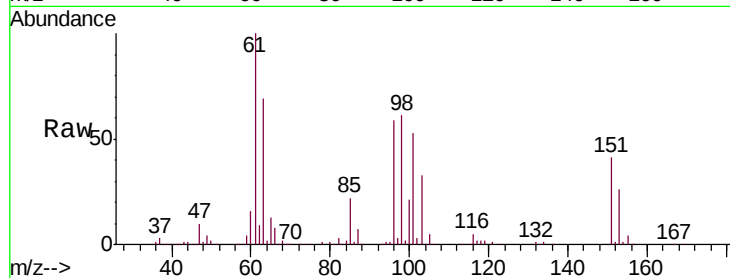
Tgt Ion: 101 Resp: 226164

Ion Ratio Lower Upper

101 100

85 41.6 33.1 49.7

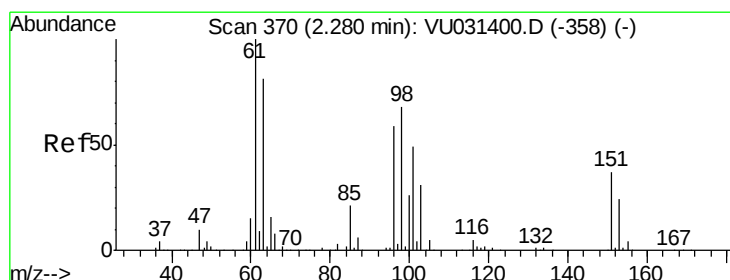
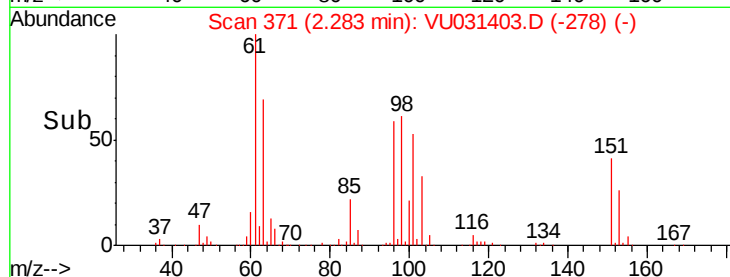
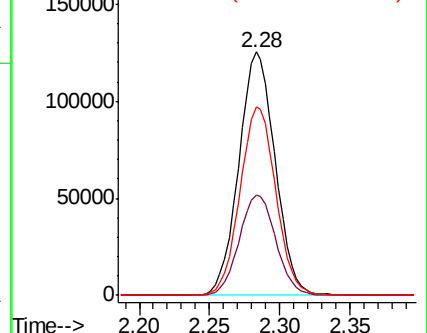
151 76.6 61.4 92.0



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: 51.990 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU031403.D

Acq: 22 Apr 2019 19:47

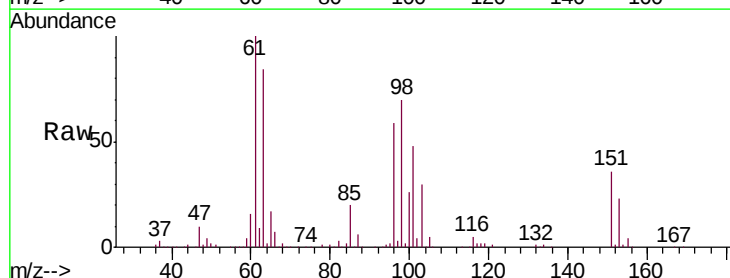
Tgt Ion: 96 Resp: 224447

Ion Ratio Lower Upper

96 100

61 169.6 118.9 220.9

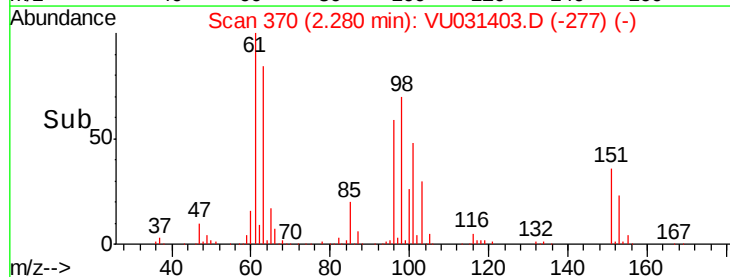
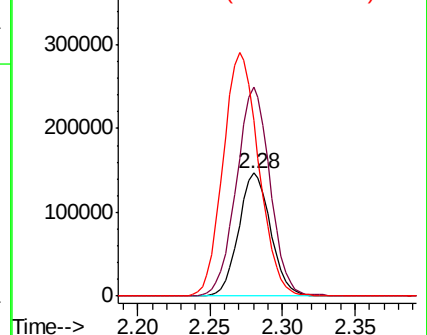
63 143.3 99.3 184.3

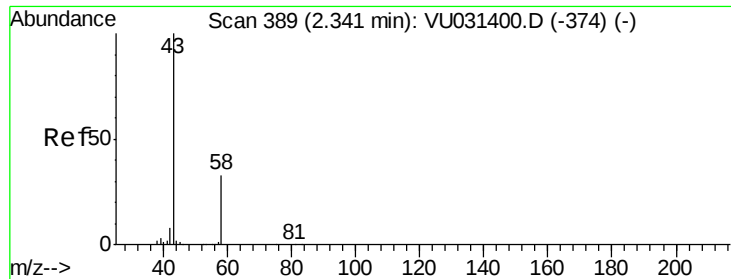


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 93.493 ug/L

RT: 2.34 min Scan# 390

Delta R.T. 0.00 min

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ClientSampleId :

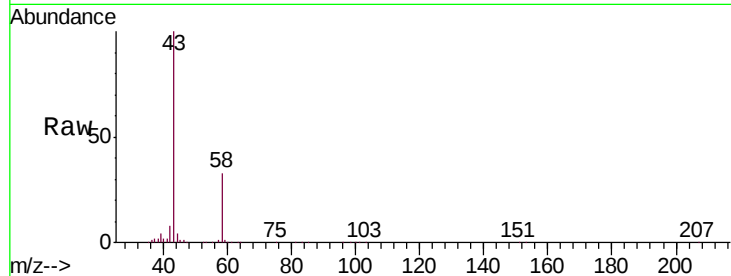
VICV53

Tgt Ion: 43 Resp: 315111

Ion Ratio Lower Upper

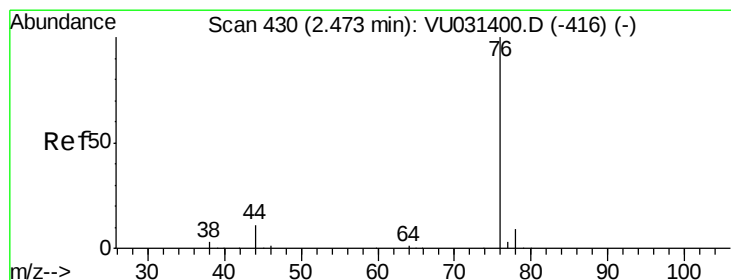
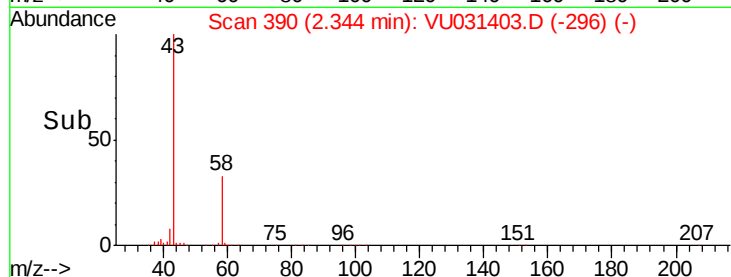
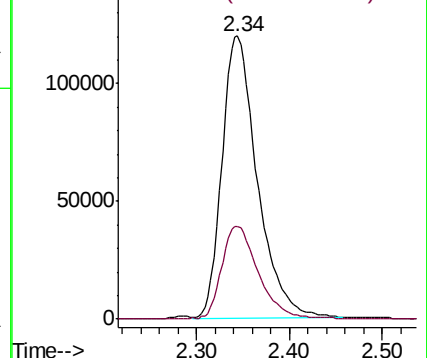
43 100

58 33.6 0.0 66.4



Abundance Ion 43.00 (42.70 to 43.70): VU031400.D (-374) (-)

Ion 58.00 (57.70 to 58.70): VU031400.D (-374) (-)



#14

Carbon disulfide

Concen: 50.512 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU031403.D

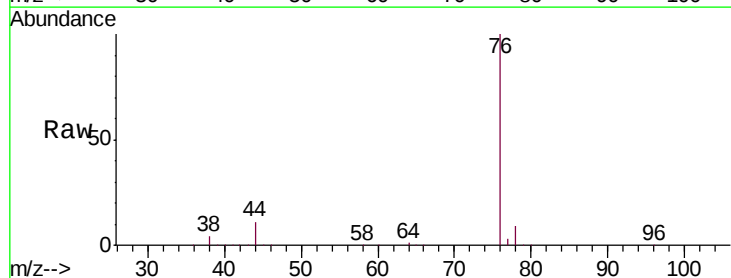
Acq: 22 Apr 2019 19:47

Tgt Ion: 76 Resp: 654527

Ion Ratio Lower Upper

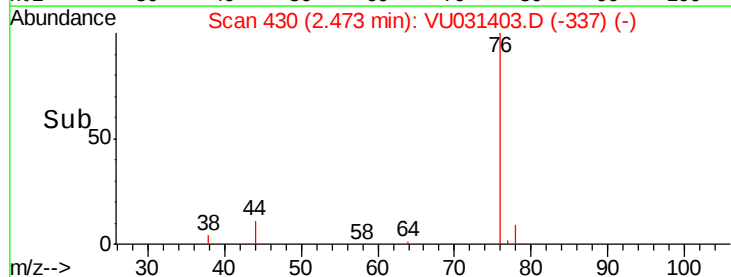
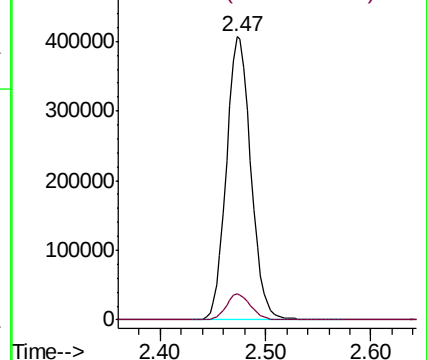
76 100

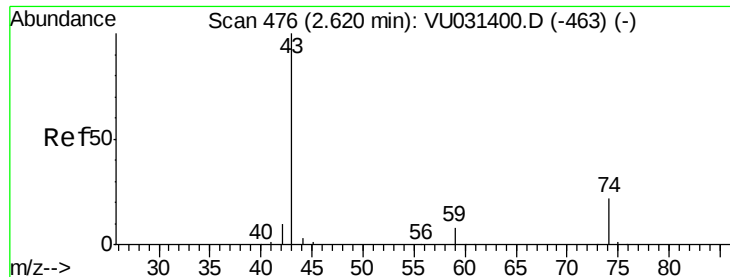
78 9.1 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU031400.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU031400.D (-416) (-)





#15

Methyl Acetate

Concen: 51.339 ug/L

RT: 2.62 min Scan# 476

Delta R.T. 0.00 min

Lab File: VU031403.D

Acq: 22 Apr 2019 19:47

Instrument :

MSVOA_U

ClientSampleId :

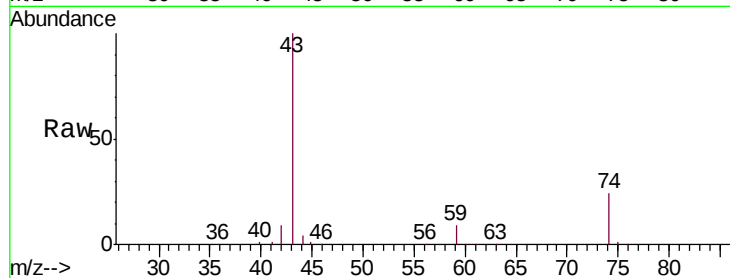
VICV53

Tgt Ion: 43 Resp: 316093

Ion Ratio Lower Upper

43 100

74 23.3 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VU031403.D (-463) (-)

Ion 74.00 (73.70 to 74.70): VU031403.D (-463) (-)

2.62

150000

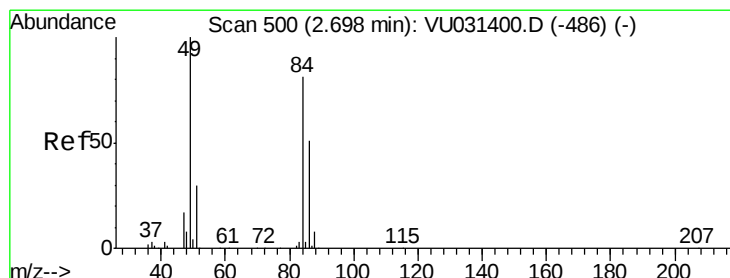
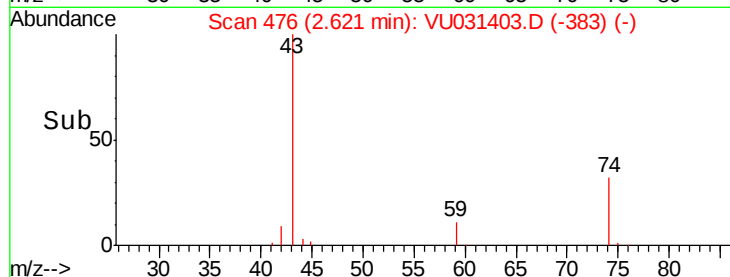
100000

50000

0

2.60 2.70

Time-->



#16

Methylene chloride

Concen: 50.731 ug/L

RT: 2.70 min Scan# 501

Delta R.T. 0.00 min

Lab File: VU031403.D

Acq: 22 Apr 2019 19:47

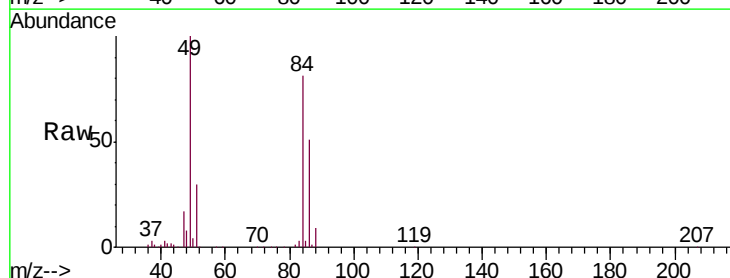
Tgt Ion: 84 Resp: 249506

Ion Ratio Lower Upper

84 100

86 62.6 44.4 82.5

49 122.9 86.7 161.1



Abundance Ion 84.00 (83.70 to 84.70): VU031403.D (-407) (-)

Ion 86.00 (85.70 to 86.70): VU031403.D (-407) (-)

Ion 49.00 (48.70 to 49.70): VU031403.D (-407) (-)

200000

150000

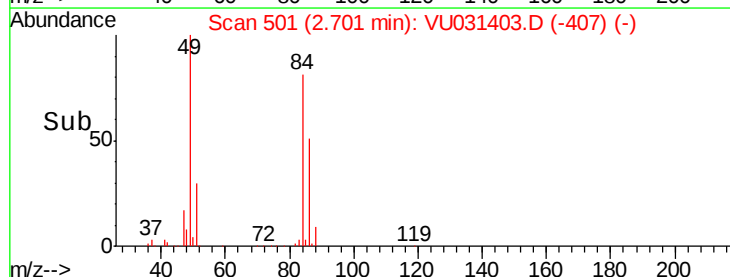
100000

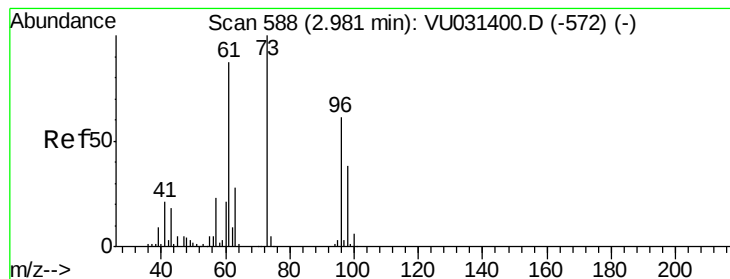
50000

0

2.60 2.65 2.70 2.75 2.80

Time-->





#17

trans-1,2-Dichloroethene

Concen: 52.242 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU031403.D

Acq: 22 Apr 2019 19:47

Instrument :

MSVOA_U

ClientSampleId :

VICV53

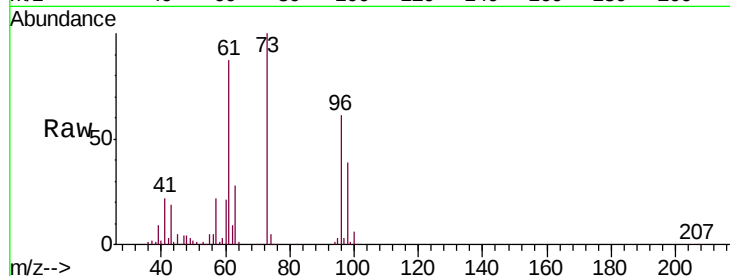
Tgt Ion: 96 Resp: 232612

Ion Ratio Lower Upper

96 100

61 142.4 100.3 186.3

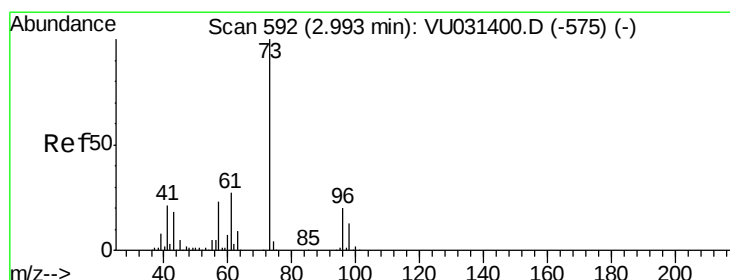
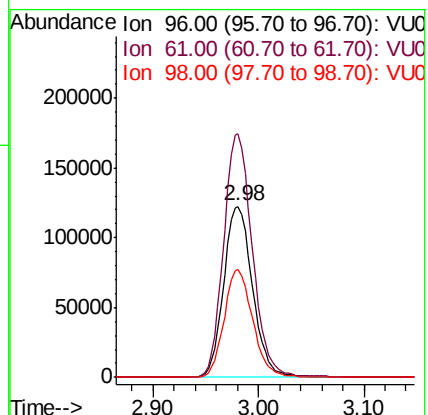
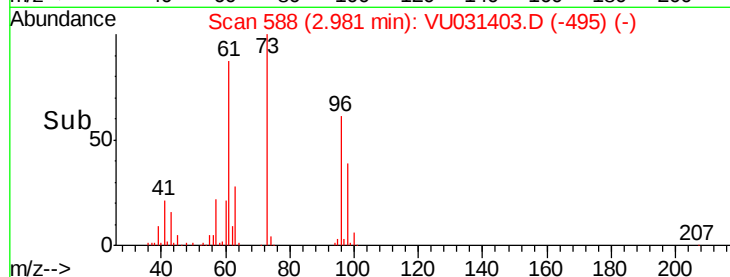
98 63.3 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU031403.D (-495) (-)

Ion 61.00 (60.70 to 61.70): VU031403.D (-495) (-)

Ion 98.00 (97.70 to 98.70): VU031403.D (-495) (-)



#18

Methyl tert-butyl Ether

Concen: 51.353 ug/L

RT: 3.00 min Scan# 593

Delta R.T. 0.00 min

Lab File: VU031403.D

Acq: 22 Apr 2019 19:47

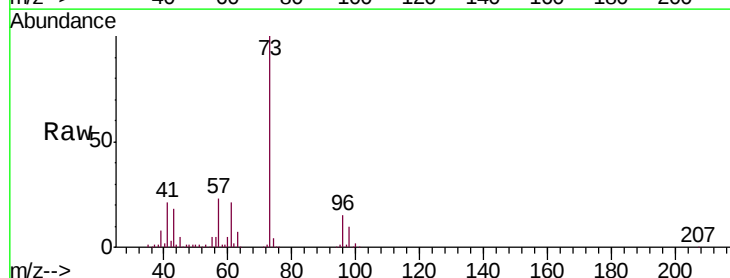
Tgt Ion: 73 Resp: 752015

Ion Ratio Lower Upper

73 100

43 18.1 14.6 21.8

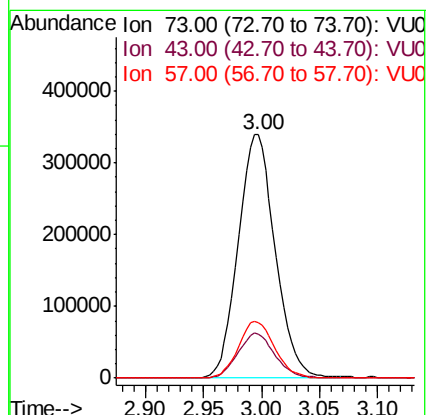
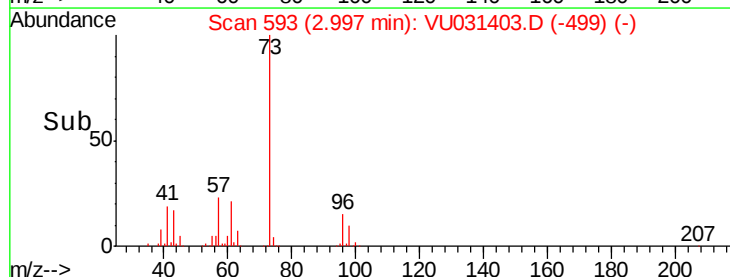
57 22.9 18.5 27.7

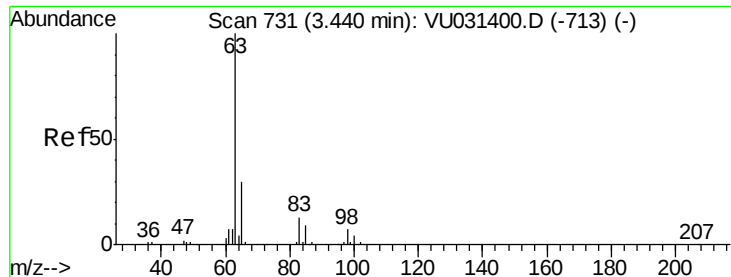


Abundance Ion 73.00 (72.70 to 73.70): VU031403.D (-499) (-)

Ion 43.00 (42.70 to 43.70): VU031403.D (-499) (-)

Ion 57.00 (56.70 to 57.70): VU031403.D (-499) (-)





#19

1,1-Dichloroethane

Concen: 51.226 ug/L

RT: 3.44 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU031403.D

Acq: 22 Apr 2019 19:47

Instrument :

MSVOA_U

ClientSampleId :

VICV53

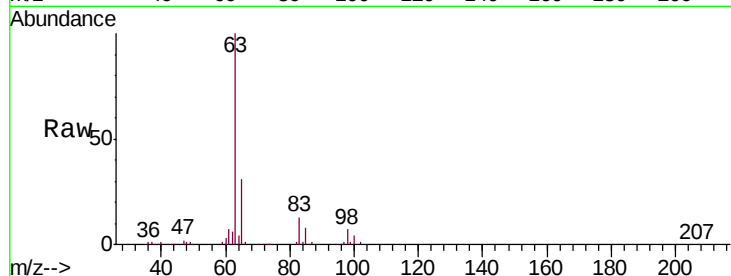
Tgt Ion: 63 Resp: 445884

Ion Ratio Lower Upper

63 100

65 31.3 21.2 39.4

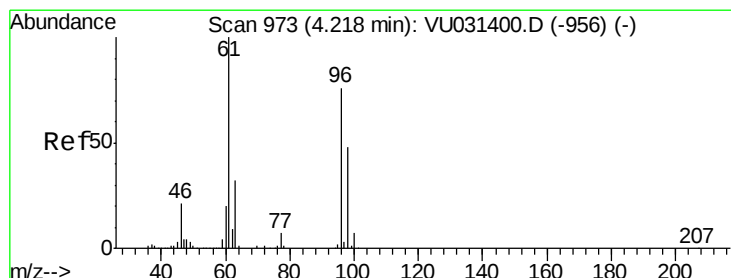
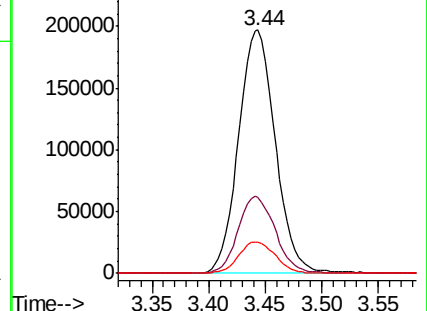
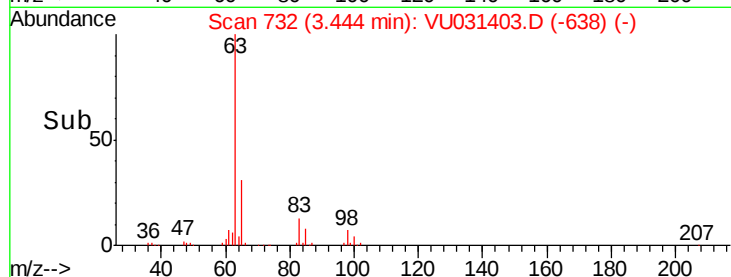
83 12.6 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VU031403.D (-638) (-)

Ion 65.00 (64.70 to 65.70): VU031403.D (-638) (-)

Ion 83.00 (82.70 to 83.70): VU031403.D (-638) (-)



#20

cis-1,2-Dichloroethene

Concen: 51.189 ug/L

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU031403.D

Acq: 22 Apr 2019 19:47

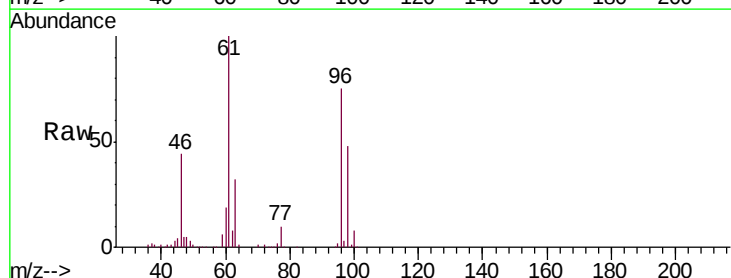
Tgt Ion: 96 Resp: 258614

Ion Ratio Lower Upper

96 100

61 132.5 91.9 170.7

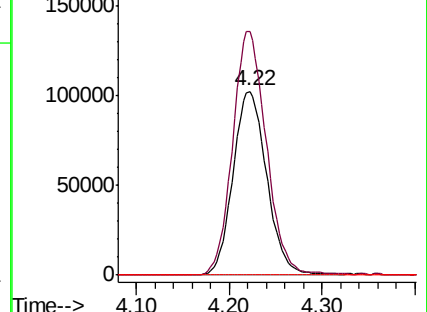
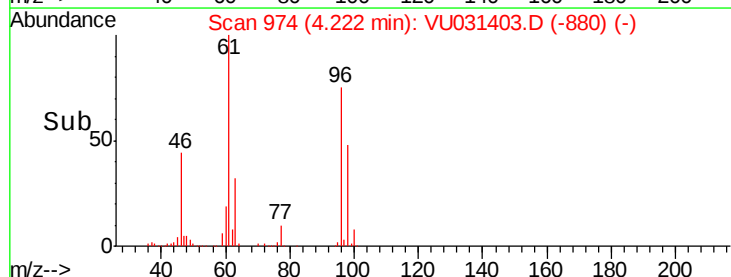
68 0.0 0.0 0.0

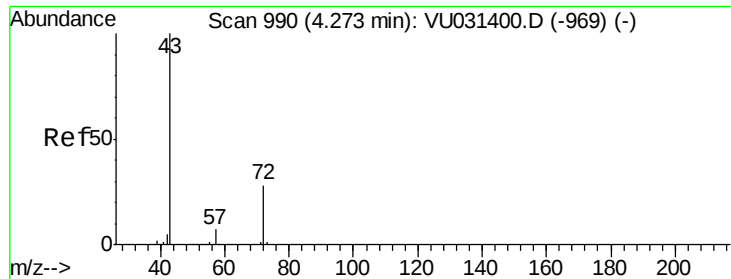


Abundance Ion 96.00 (95.70 to 96.70): VU031403.D (-880) (-)

Ion 61.00 (60.70 to 61.70): VU031403.D (-880) (-)

Ion 68.00 (67.70 to 68.70): VU031403.D (-880) (-)





#22

2-Butanone

Concen: 105.324 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VU031403.D

Acq: 22 Apr 2019 19:47

Instrument :

MSVOA_U

ClientSampleId :

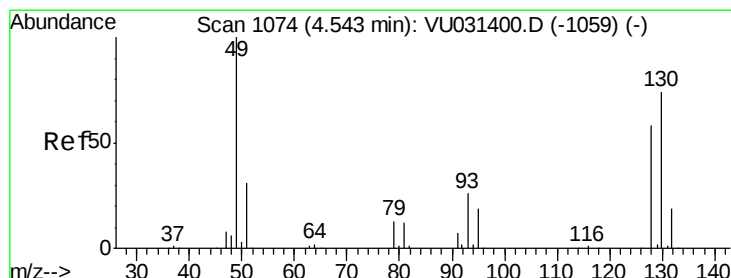
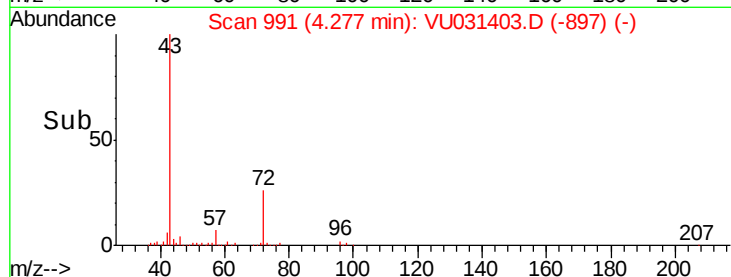
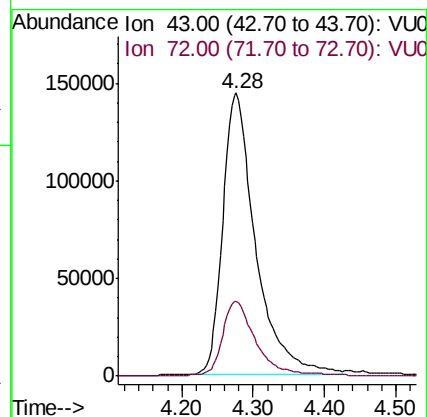
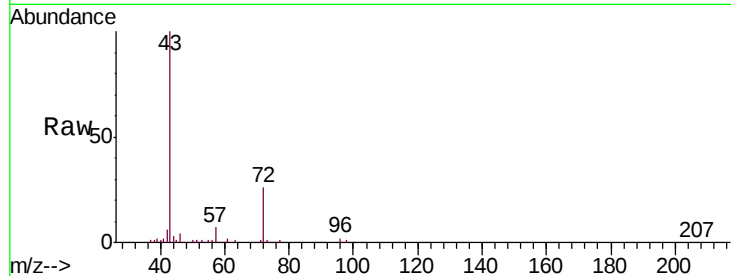
VICV53

Tgt Ion: 43 Resp: 460026

Ion Ratio Lower Upper

43 100

72 26.8 12.6 37.8



#23

Bromochloromethane

Concen: 51.153 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VU031403.D

Acq: 22 Apr 2019 19:47

Tgt Ion: 128 Resp: 129611

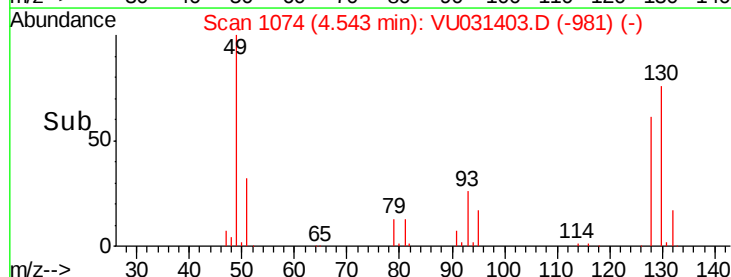
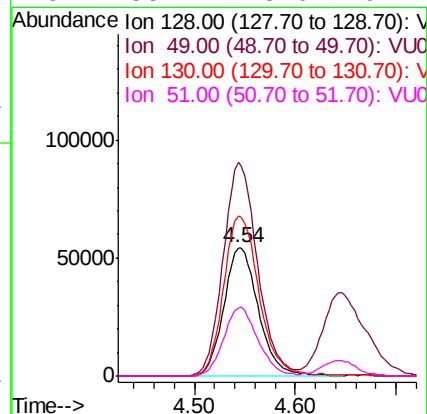
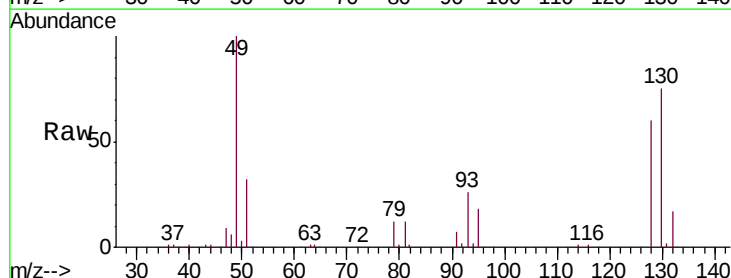
Ion Ratio Lower Upper

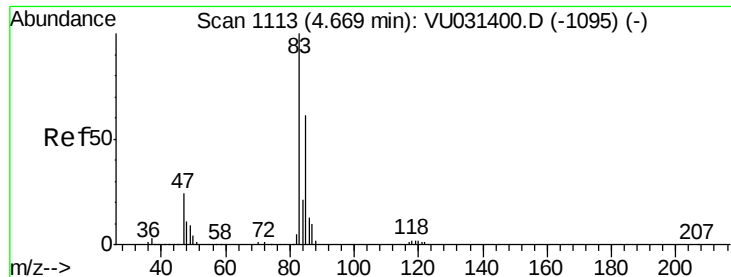
128 100

49 166.6 120.1 223.1

130 125.0 88.5 164.3

51 53.2 43.0 64.4





#25

Chloroform

Concen: 51.358 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VU031403.D

Acq: 22 Apr 2019 19:47

Instrument :

MSVOA_U

ClientSampleId :

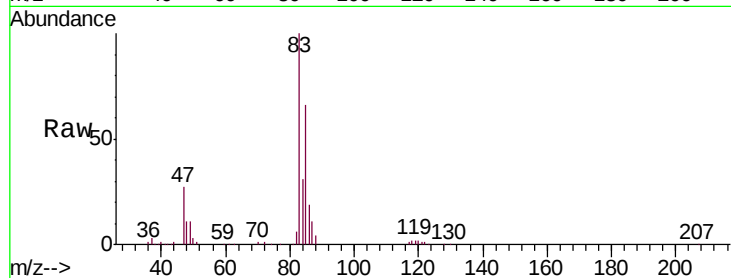
VICV53

Tgt Ion: 83 Resp: 430849

Ion Ratio Lower Upper

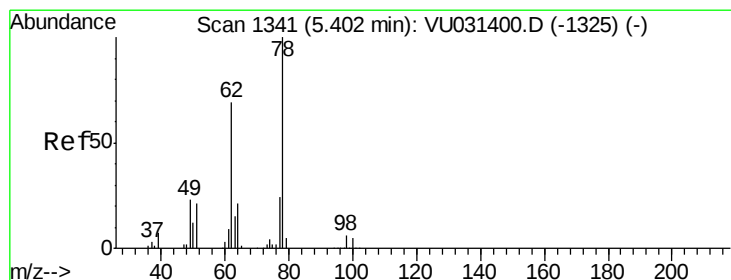
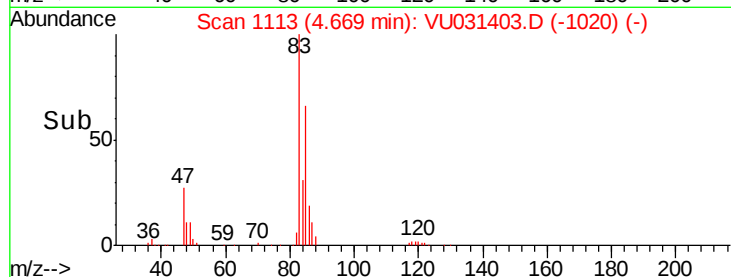
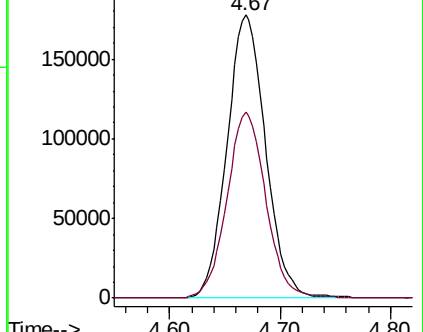
83 100

85 65.6 43.0 79.8



Abundance Ion 83.00 (82.70 to 83.70): VU031403.D (-1095) (-)

Ion 85.00 (84.70 to 85.70): VU031403.D (-1095) (-)



#27

1,2-Dichloroethane

Concen: 50.418 ug/L

RT: 5.40 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VU031403.D

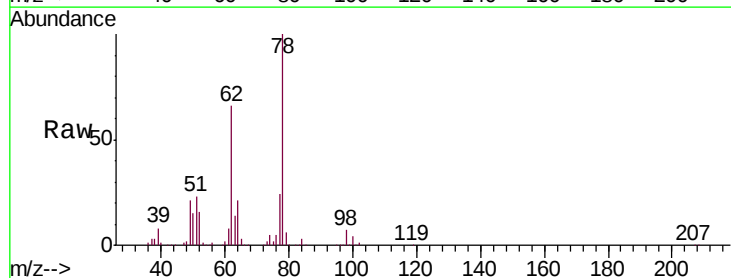
Acq: 22 Apr 2019 19:47

Tgt Ion: 62 Resp: 315433

Ion Ratio Lower Upper

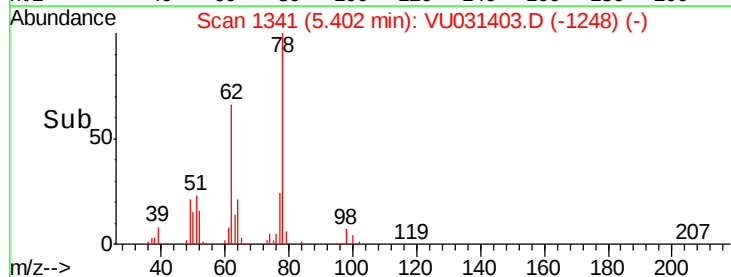
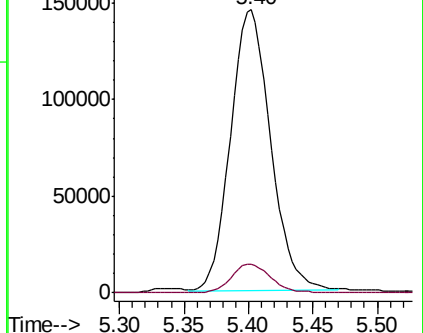
62 100

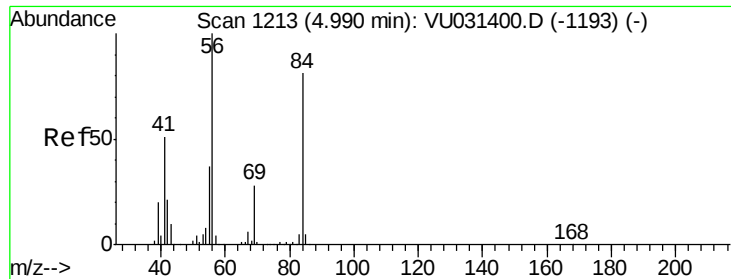
98 10.0 7.3 10.9



Abundance Ion 62.00 (61.70 to 62.70): VU031403.D (-1325) (-)

Ion 98.00 (97.70 to 98.70): VU031403.D (-1325) (-)

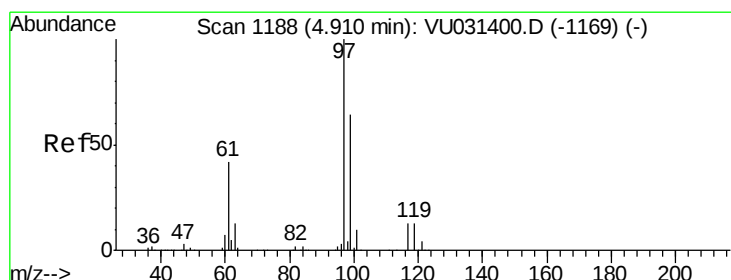
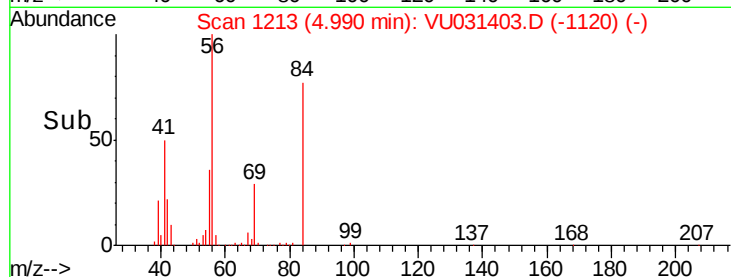
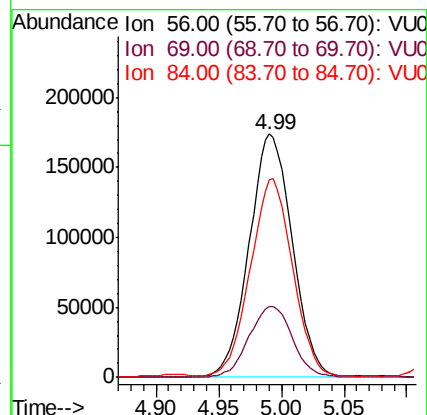
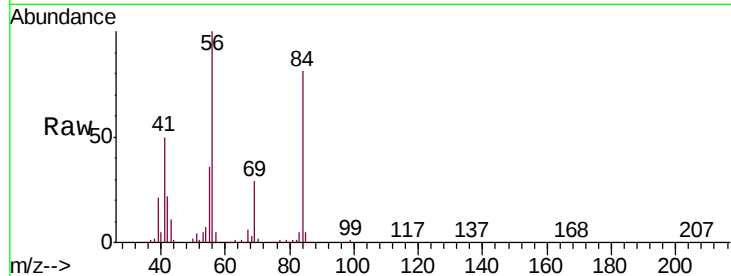




#29
Cyclohexane
Concen: 52.579 ug/L
RT: 4.99 min Scan# 1213
Delta R.T. 0.00 min
Lab File: VU031403.D
Acq: 22 Apr 2019 19:47

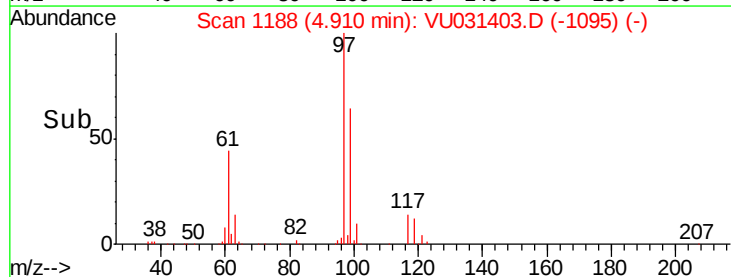
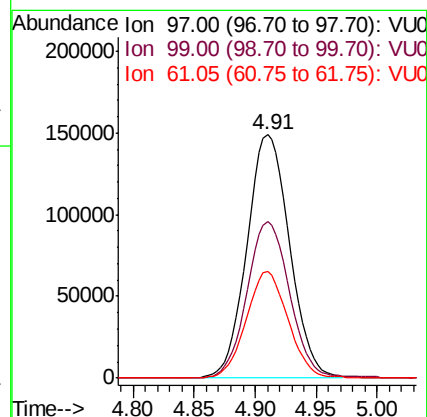
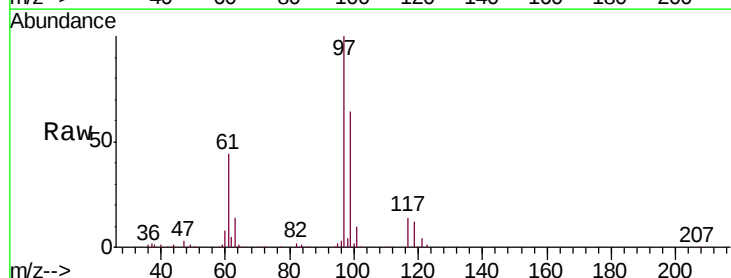
Instrument :
MSVOA_U
ClientSampleId :
VICV53

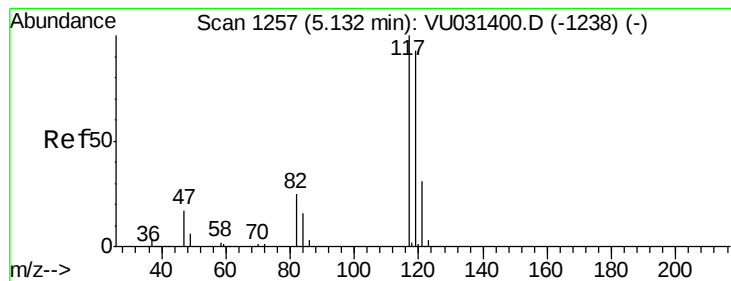
Tgt Ion: 56 Resp: 416245
Ion Ratio Lower Upper
56 100
69 29.5 23.3 34.9
84 79.4 64.6 96.8



#30
1,1,1-Trichloroethane
Concen: 51.819 ug/L
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU031403.D
Acq: 22 Apr 2019 19:47

Tgt Ion: 97 Resp: 360440
Ion Ratio Lower Upper
97 100
99 64.2 52.0 78.0
61 43.1 33.9 50.9





#31

Carbon tetrachloride

Concen: 52.395 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU031403.D

Acq: 22 Apr 2019 19:47

Instrument :

MSVOA_U

ClientSampleId :

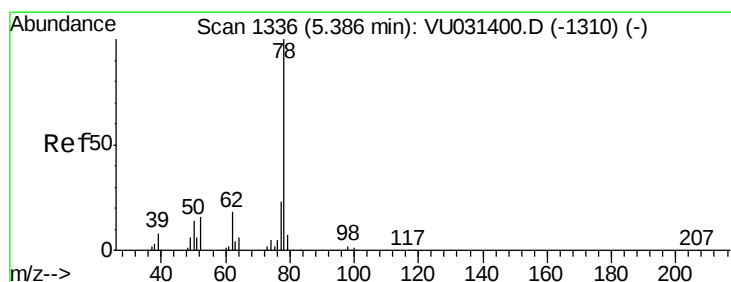
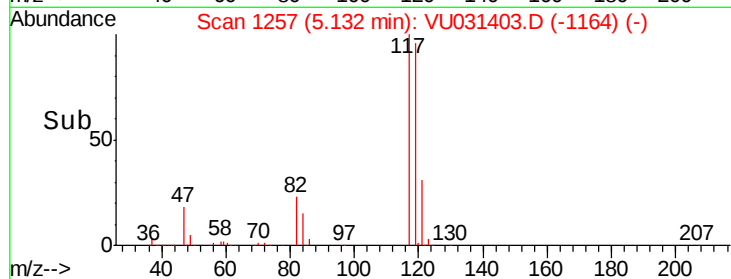
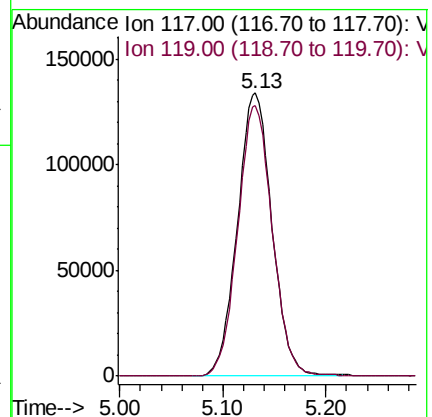
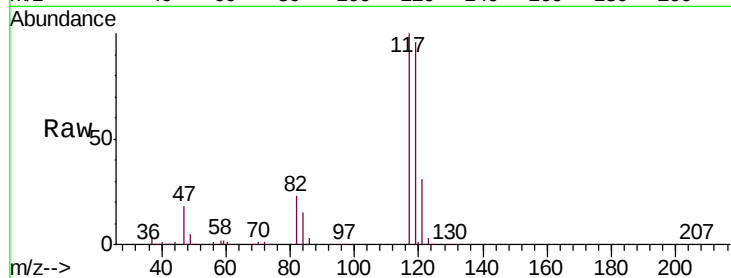
VICV53

Tgt Ion:117 Resp: 312021

Ion Ratio Lower Upper

117 100

119 95.4 76.2 114.4



#33

Benzene

Concen: 50.919 ug/L

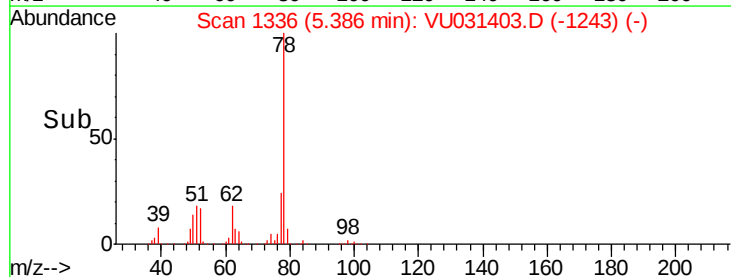
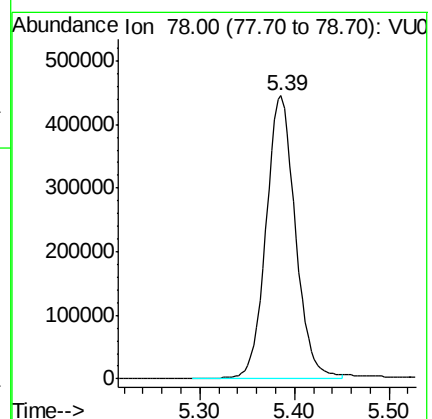
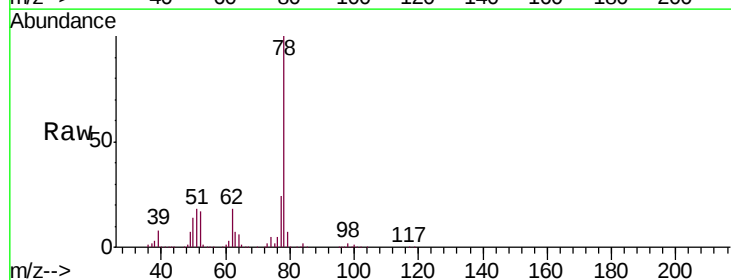
RT: 5.39 min Scan# 1336

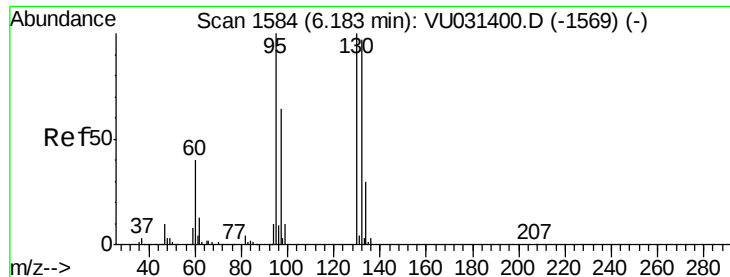
Delta R.T. 0.00 min

Lab File: VU031403.D

Acq: 22 Apr 2019 19:47

Tgt Ion: 78 Resp: 961394





#34

Trichloroethene

Concen: 49.110 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU031403.D

Acq: 22 Apr 2019 19:47

Instrument :

MSVOA_U

ClientSampleId :

VICV53

Tgt Ion: 95 Resp: 245574

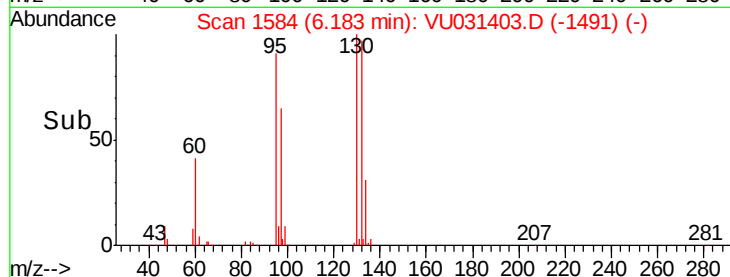
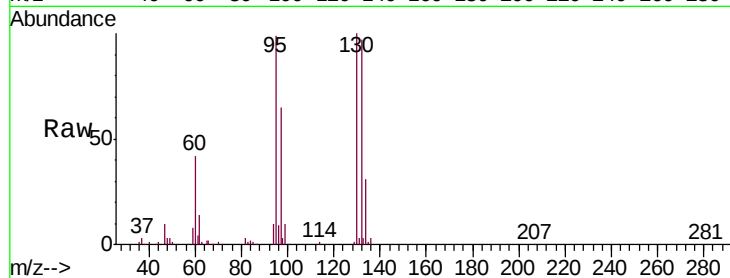
Ion Ratio Lower Upper

95 100

97 65.9 44.9 83.5

132 97.6 68.0 126.2

130 101.1 70.1 130.1

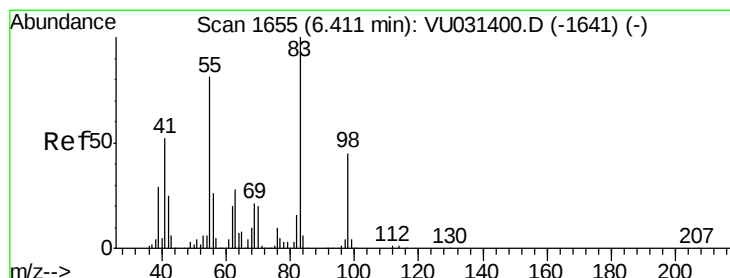
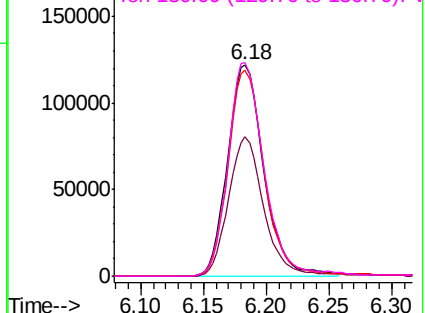


Abundance Ion 95.00 (94.70 to 95.70): VU031403.D (-1491) (-)

Ion 97.00 (96.70 to 97.70): VU031403.D (-1491) (-)

Ion 132.00 (131.70 to 132.70): VU031403.D (-1491) (-)

Ion 130.00 (129.70 to 130.70): VU031403.D (-1491) (-)



#35

Methylcyclohexane

Concen: 51.357 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU031403.D

Acq: 22 Apr 2019 19:47

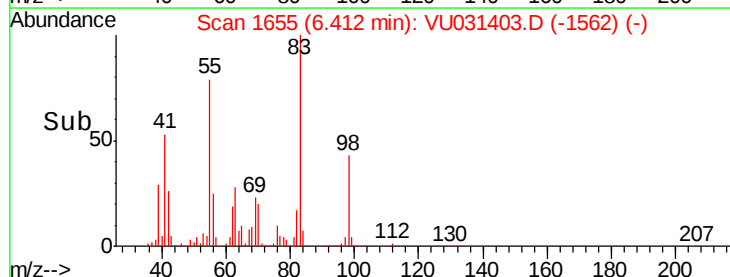
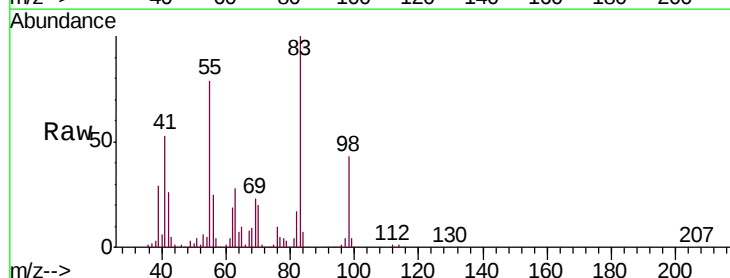
Tgt Ion: 83 Resp: 375792

Ion Ratio Lower Upper

83 100

55 80.0 65.4 98.0

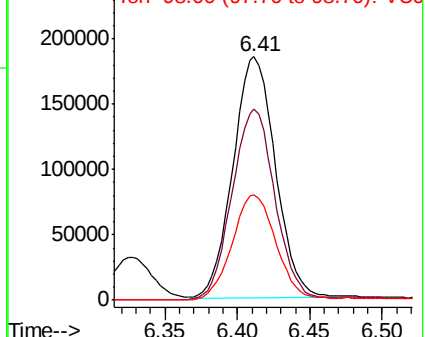
98 45.1 36.8 55.2

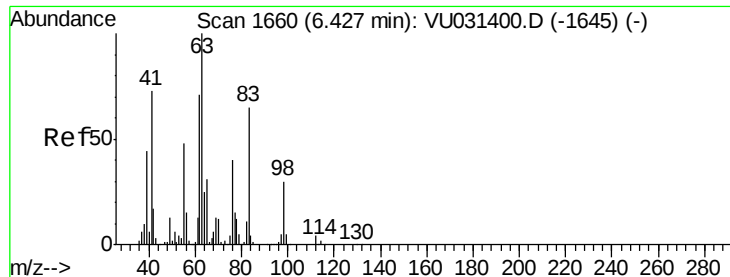


Abundance Ion 83.00 (82.70 to 83.70): VU031403.D (-1562) (-)

Ion 55.00 (54.70 to 55.70): VU031403.D (-1562) (-)

Ion 98.00 (97.70 to 98.70): VU031403.D (-1562) (-)





#37

1,2-Dichloropropane

Concen: 52.427 ug/L

RT: 6.43 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VU031403.D

Acq: 22 Apr 2019 19:47

Instrument :

MSVOA_U

ClientSampleId :

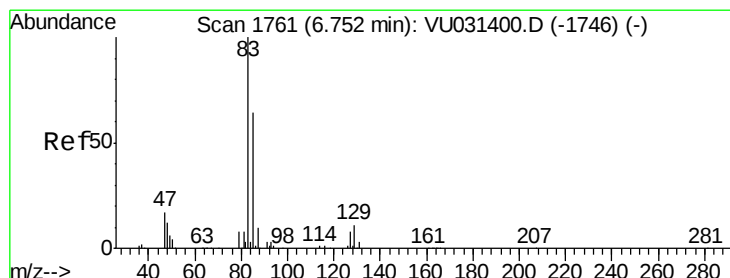
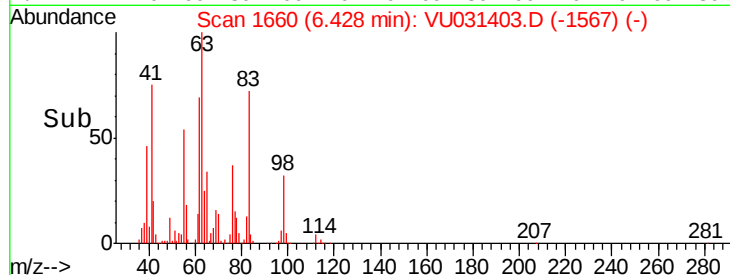
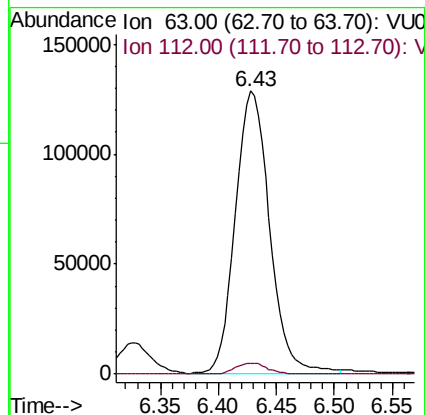
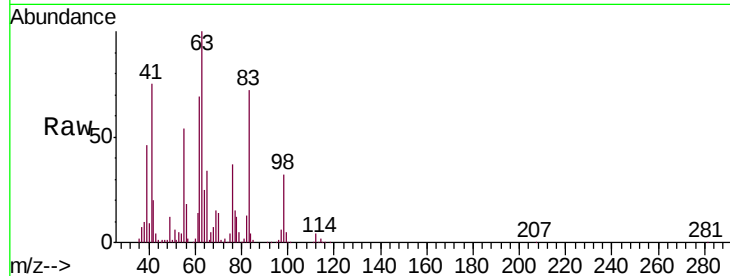
VICV53

Tgt Ion: 63 Resp: 263701

Ion Ratio Lower Upper

63 100

112 3.7 3.0 4.4



#38

Bromodichloromethane

Concen: 51.384 ug/L

RT: 6.75 min Scan# 1761

Delta R.T. 0.00 min

Lab File: VU031403.D

Acq: 22 Apr 2019 19:47

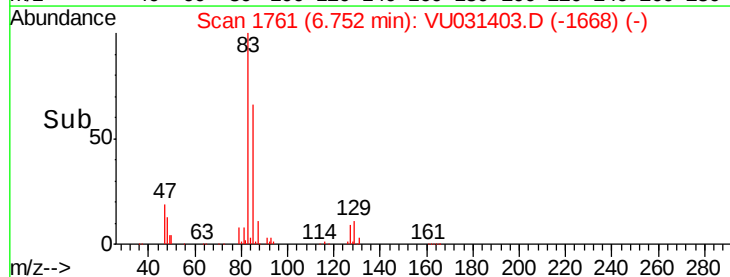
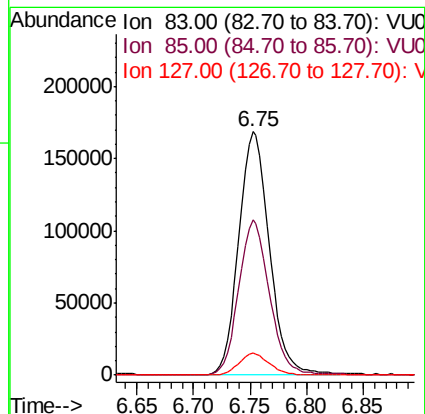
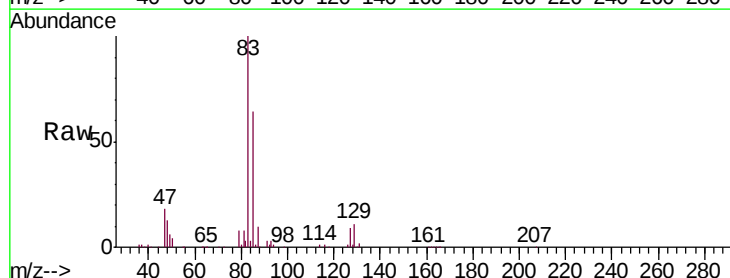
Tgt Ion: 83 Resp: 317045

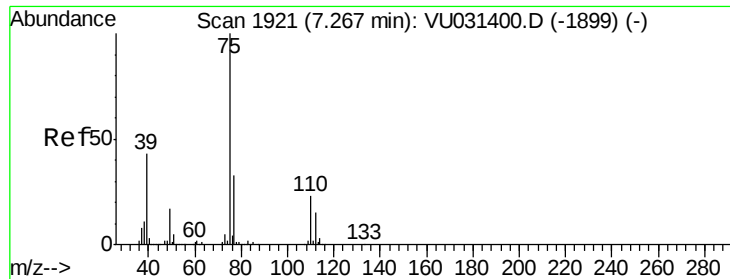
Ion Ratio Lower Upper

83 100

85 63.6 45.0 83.6

127 8.9 6.7 10.1



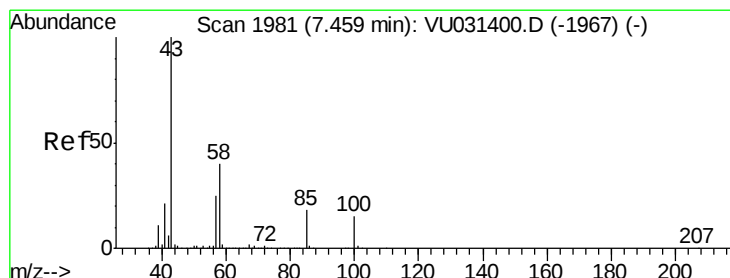
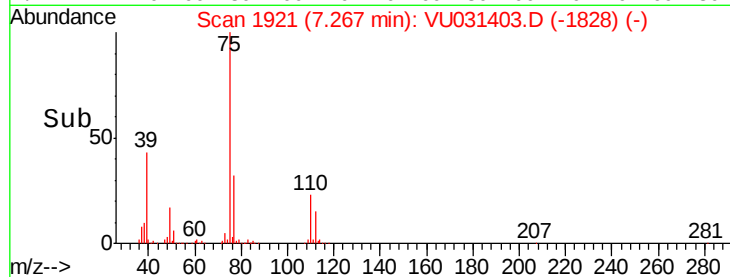
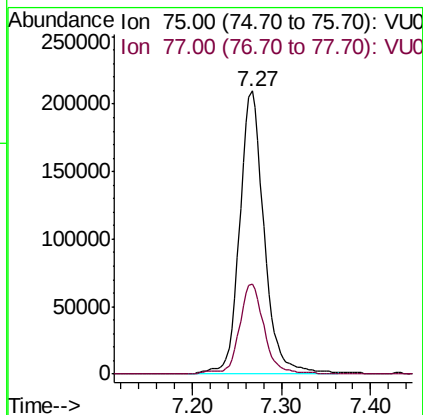
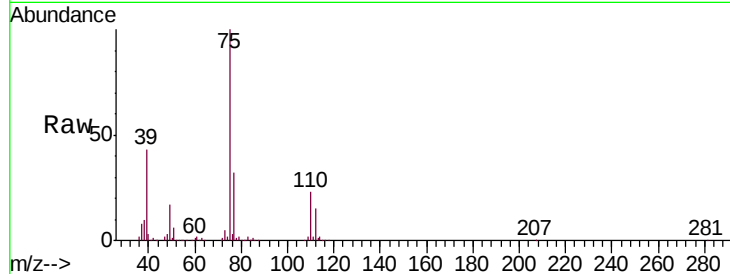


#39

cis-1,3-Dichloropropene
 Concen: 53.362 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU031403.D
 Acq: 22 Apr 2019 19:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV53

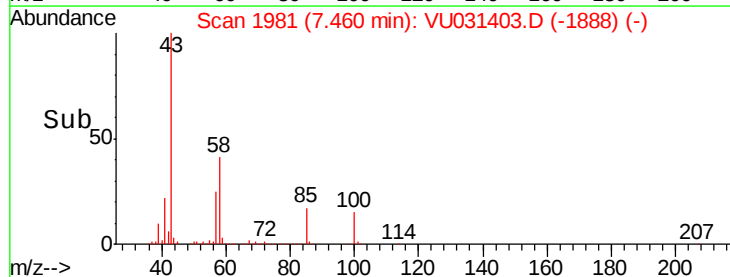
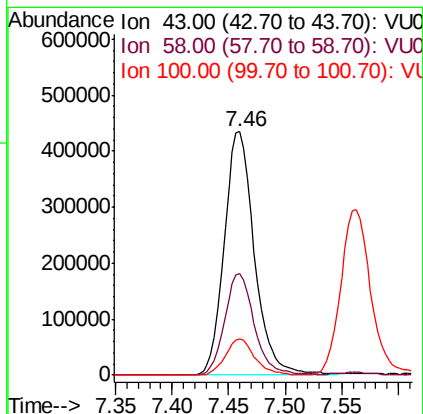
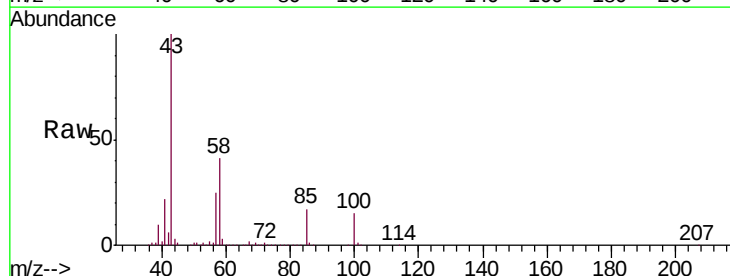
Tgt Ion: 75 Resp: 401700
 Ion Ratio Lower Upper
 75 100
 77 32.0 23.0 42.8

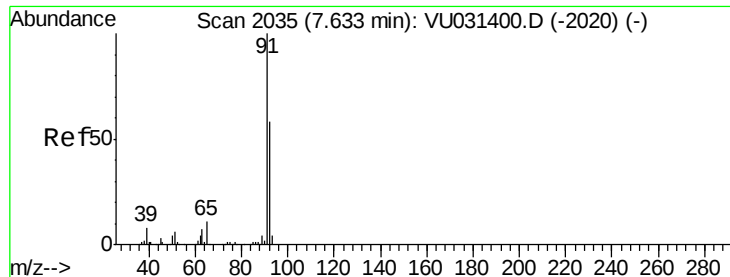


#40

4-Methyl-2-pentanone
 Concen: 105.863 ug/L
 RT: 7.46 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VU031403.D
 Acq: 22 Apr 2019 19:47

Tgt Ion: 43 Resp: 809250
 Ion Ratio Lower Upper
 43 100
 58 40.9 32.3 48.5
 100 14.4 11.8 17.8





#42

Toluene

Concen: 52.130 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031403.D

Acq: 22 Apr 2019 19:47

Instrument :

MSVOA_U

ClientSampleId :

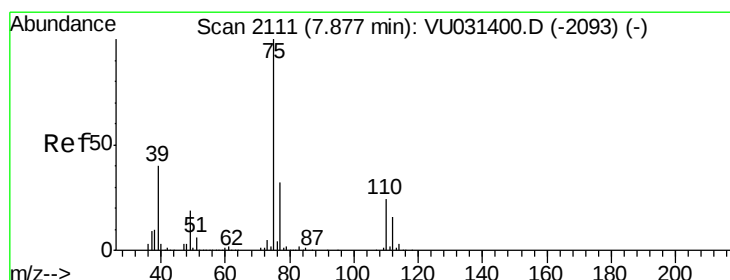
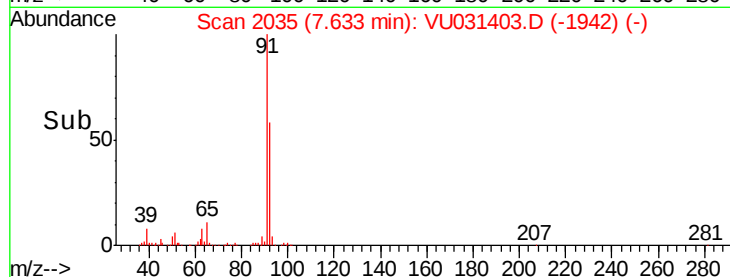
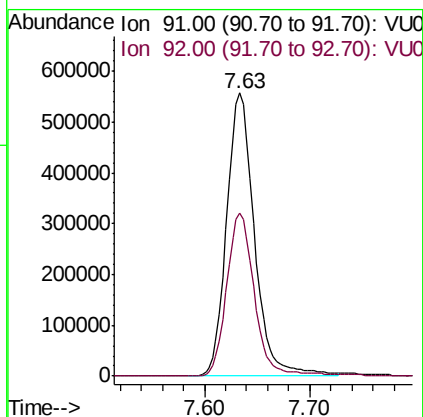
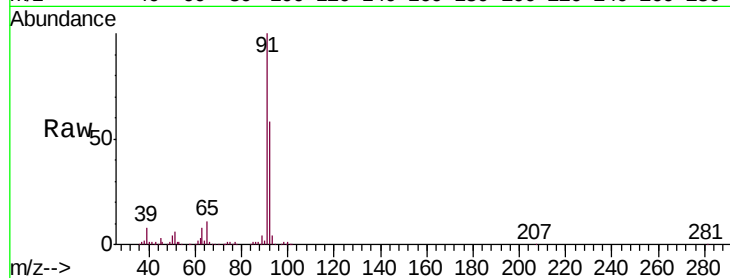
VICV53

Tgt Ion: 91 Resp: 1021388

Ion Ratio Lower Upper

91 100

92 57.5 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 52.286 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU031403.D

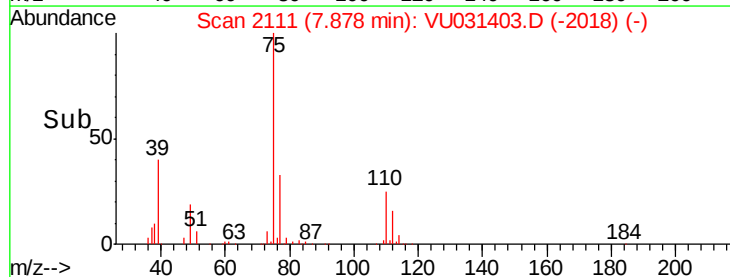
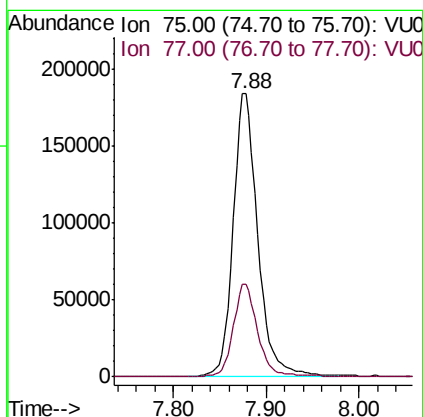
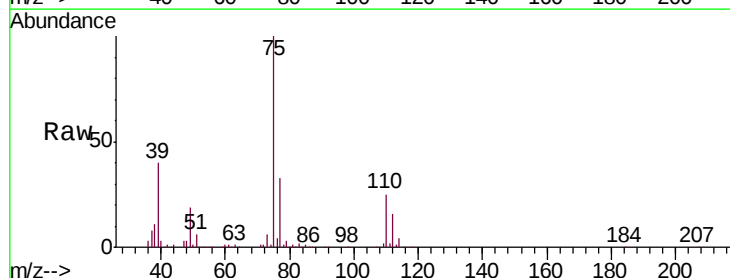
Acq: 22 Apr 2019 19:47

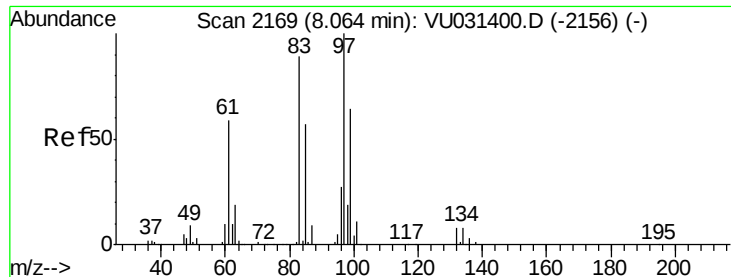
Tgt Ion: 75 Resp: 339287

Ion Ratio Lower Upper

75 100

77 32.9 22.3 41.3





#45

1,1,2-Trichloroethane

Concen: 52.598 ug/L

RT: 8.06 min Scan# 2169

Delta R.T. 0.00 min

Lab File: VU031403.D

Acq: 22 Apr 2019 19:47

Instrument :

MSVOA_U

ClientSampleId :

VICV53

Tgt Ion: 97 Resp: 242984

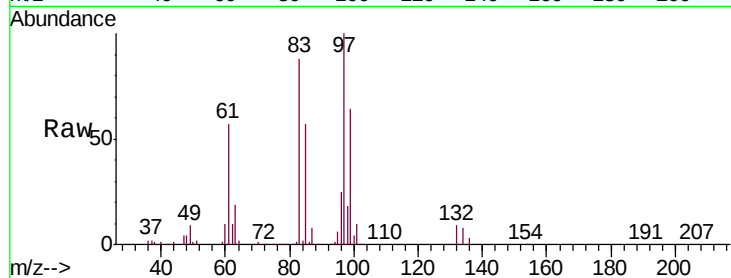
Ion Ratio Lower Upper

97 100

99 63.6 44.9 83.3

83 88.1 62.5 116.1

85 56.8 39.6 73.6

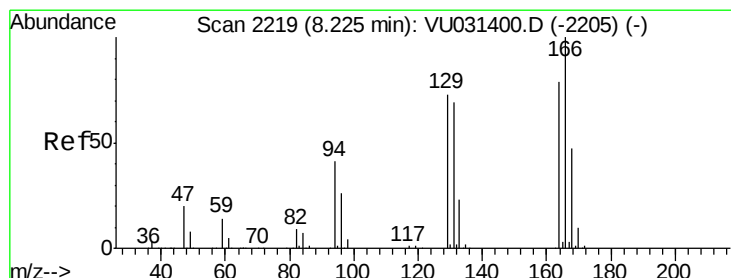
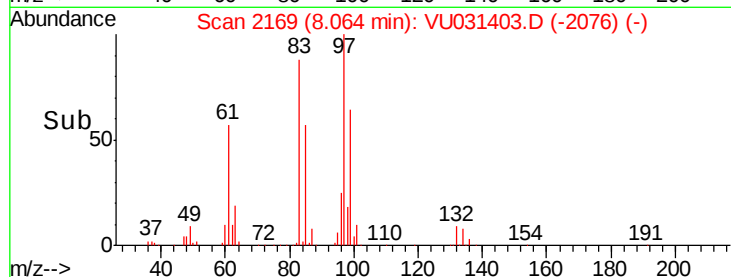
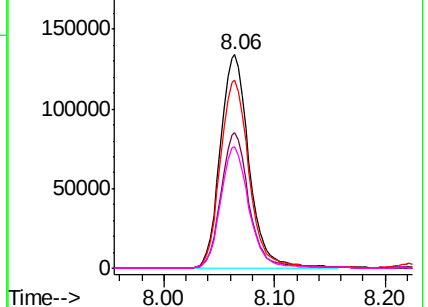


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 52.250 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU031403.D

Acq: 22 Apr 2019 19:47

Tgt Ion: 164 Resp: 185305

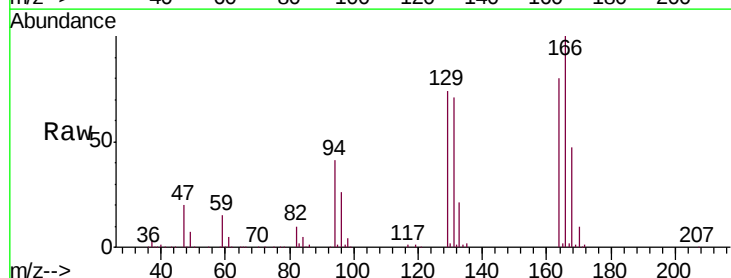
Ion Ratio Lower Upper

164 100

129 92.8 65.2 121.0

131 89.9 61.4 114.0

166 125.8 89.2 165.6

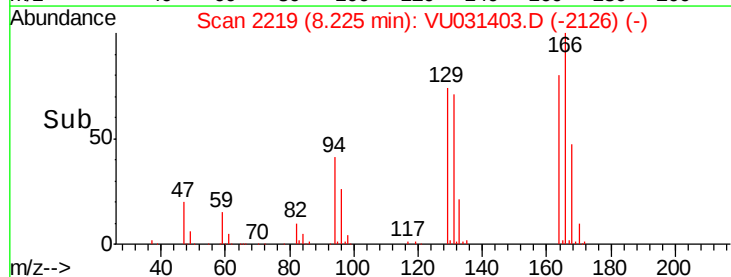
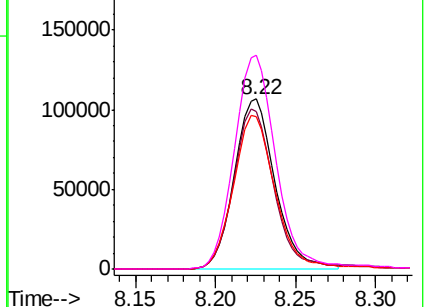


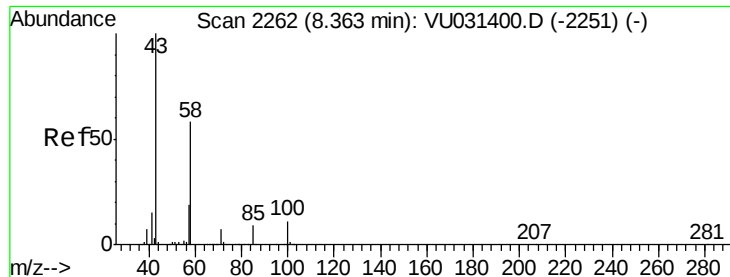
Abundance Ion 164.00 (163.70 to 164.70): V

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

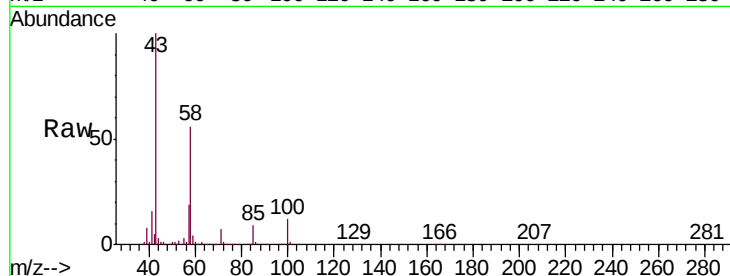




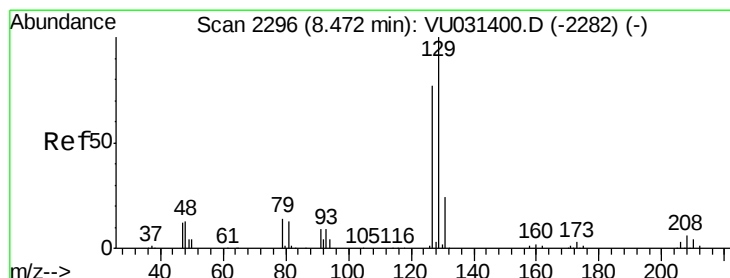
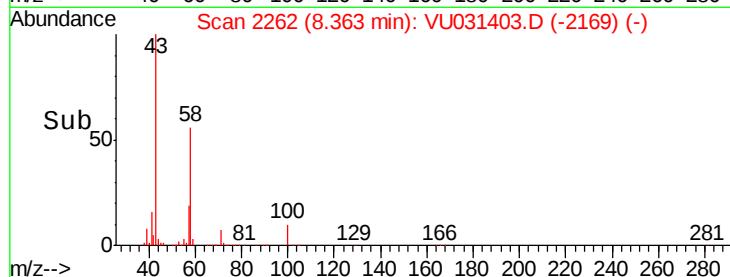
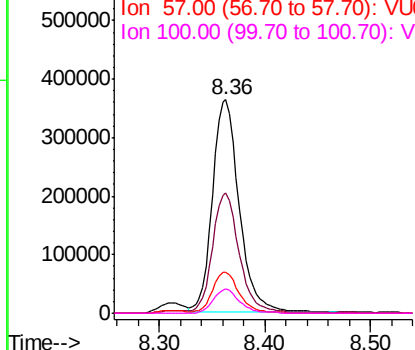
#48
2-Hexanone
Concen: 107.489 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU031403.D
Acq: 22 Apr 2019 19:47

Instrument :
MSVOA_U
ClientSampleId :
VICV53

Tgt Ion: 43 Resp: 640970
Ion Ratio Lower Upper
43 100
58 56.0 45.5 68.3
57 19.8 15.2 22.8
100 11.2 9.1 13.7

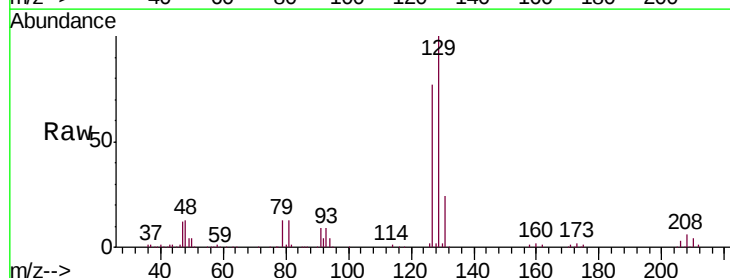


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

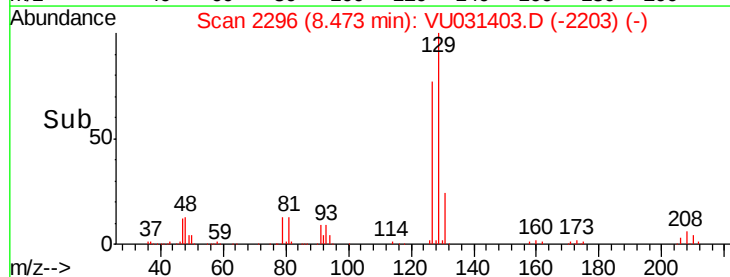
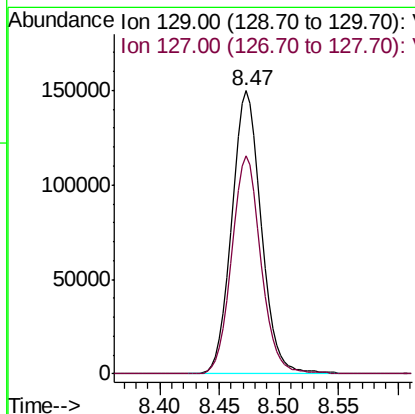


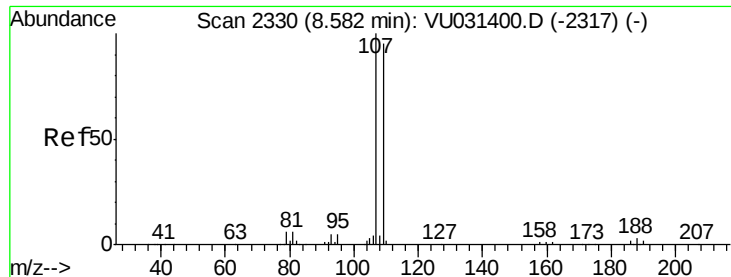
#49
Dibromochloromethane
Concen: 52.608 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU031403.D
Acq: 22 Apr 2019 19:47

Tgt Ion: 129 Resp: 257853
Ion Ratio Lower Upper
129 100
127 77.0 54.2 100.6



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





#50

1,2-Dibromoethane

Concen: 53.641 ug/L

RT: 8.58 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VU031403.D

Acq: 22 Apr 2019 19:47

Instrument :

MSVOA_U

ClientSampleId :

VICV53

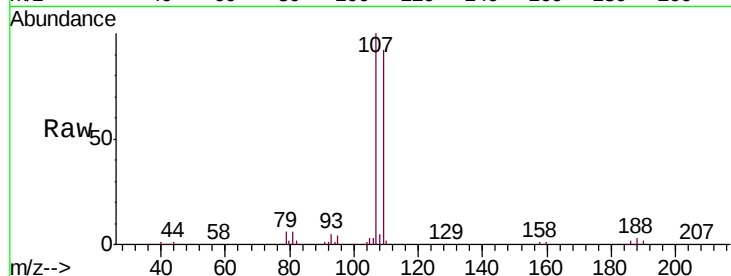
Tgt Ion:107 Resp: 260639

Ion Ratio Lower Upper

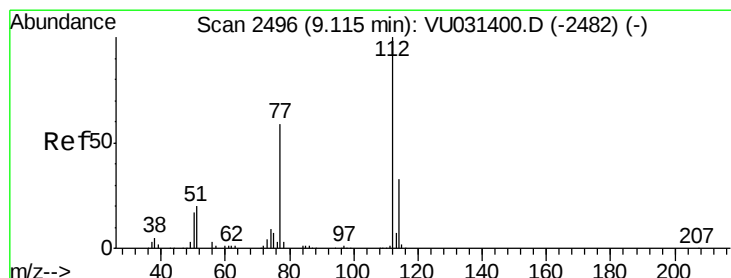
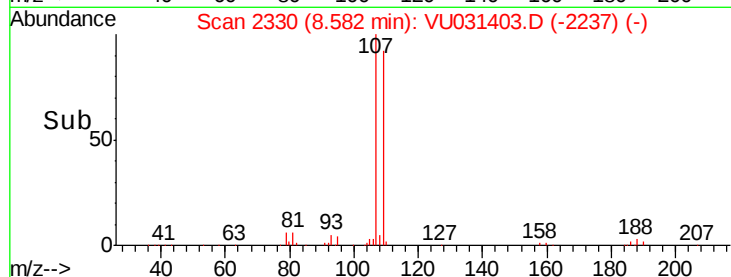
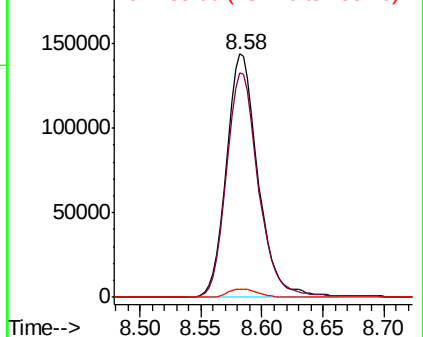
107 100

109 92.0 66.6 123.8

188 3.5 2.6 4.0



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 51.623 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU031403.D

Acq: 22 Apr 2019 19:47

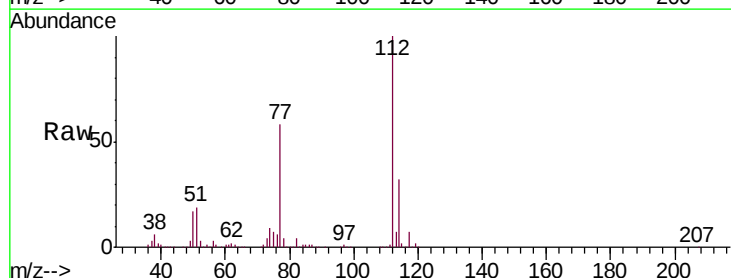
Tgt Ion:112 Resp: 627715

Ion Ratio Lower Upper

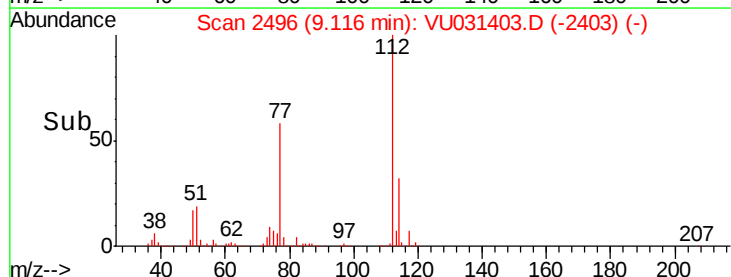
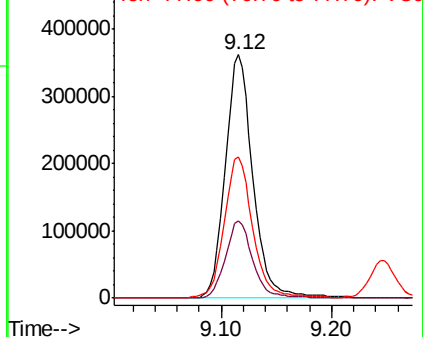
112 100

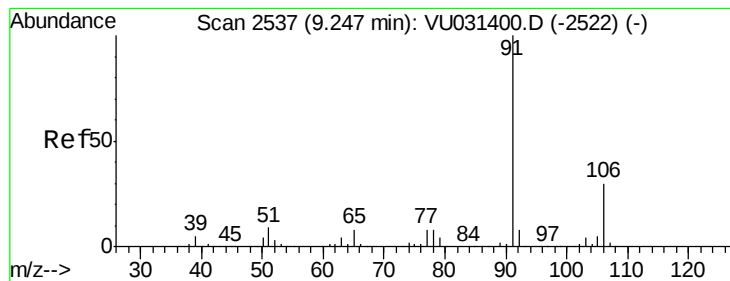
114 31.8 23.0 42.8

77 57.9 47.1 70.7



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 52.353 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU031403.D

Acq: 22 Apr 2019 19:47

Instrument :

MSVOA_U

ClientSampleId :

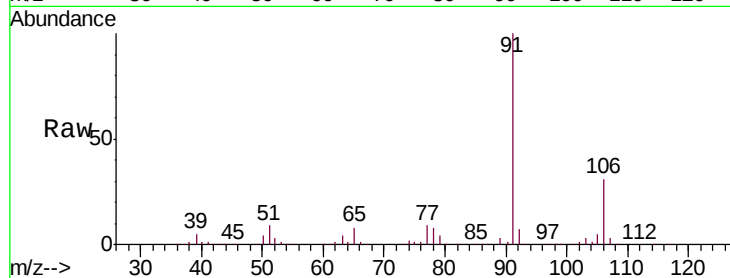
VICV53

Tgt Ion: 91 Resp: 1098922

Ion Ratio Lower Upper

91 100

106 30.7 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VU031403.D (-2522) (-)

Ion 106.00 (105.70 to 106.70): VU031403.D (-2522) (-)

9.25

600000

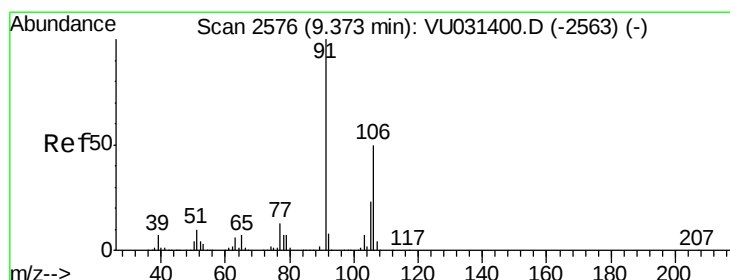
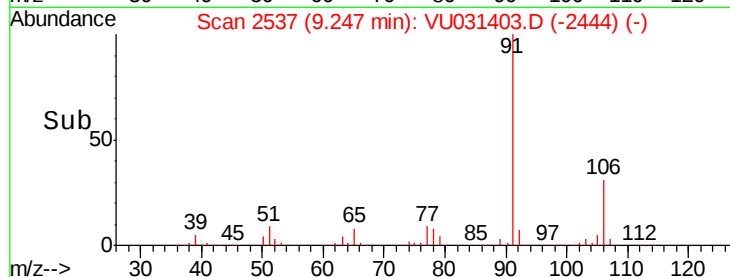
400000

200000

0

9.15 9.20 9.25 9.30 9.35

Time-->



#53

m,p-Xylene

Concen: 52.296 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU031403.D

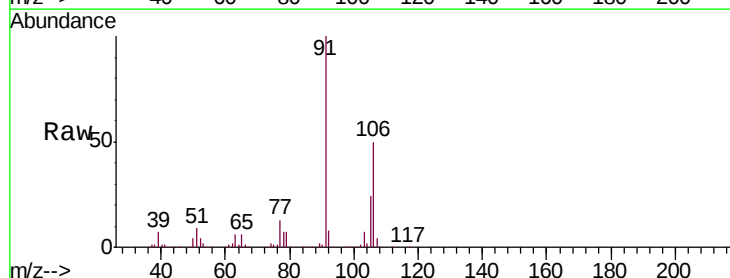
Acq: 22 Apr 2019 19:47

Tgt Ion: 106 Resp: 400642

Ion Ratio Lower Upper

106 100

91 201.9 141.5 262.7



Abundance Ion 106.00 (105.70 to 106.70): VU031403.D (-2563) (-)

Ion 91.00 (90.70 to 91.70): VU031403.D (-2563) (-)

9.37

500000

400000

300000

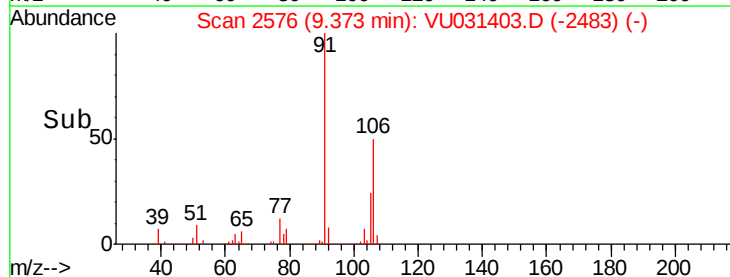
200000

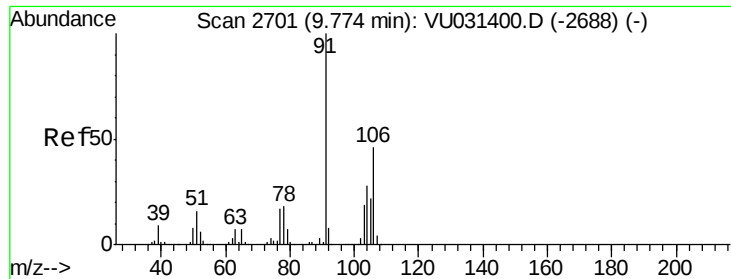
100000

0

9.30 9.35 9.40 9.45

Time-->





#54

o-xylene

Concen: 53.363 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU031403.D

Acq: 22 Apr 2019 19:47

Instrument :

MSVOA_U

ClientSampleId :

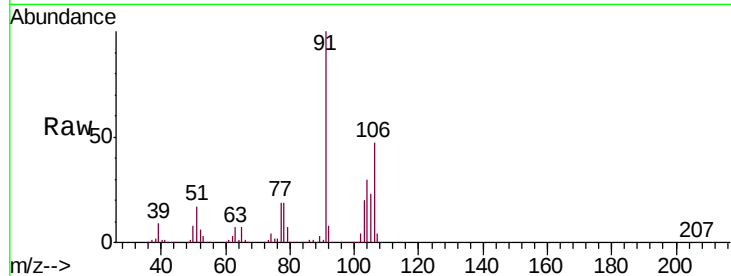
VICV53

Tgt Ion:106 Resp: 411021

Ion Ratio Lower Upper

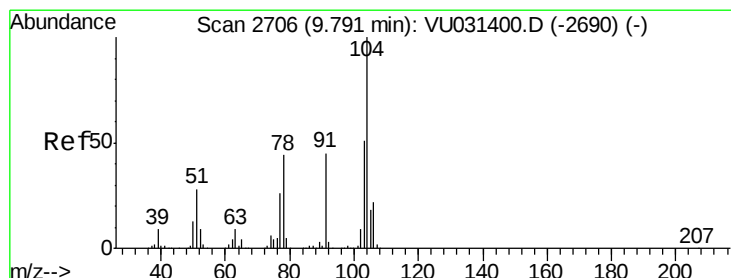
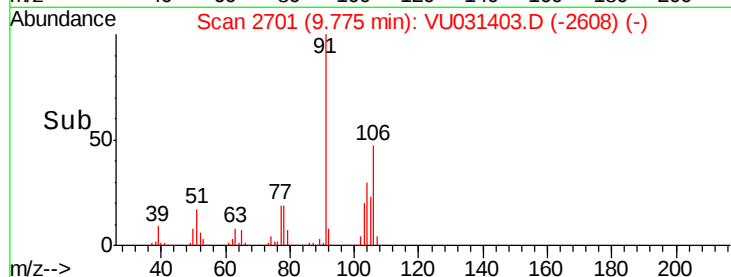
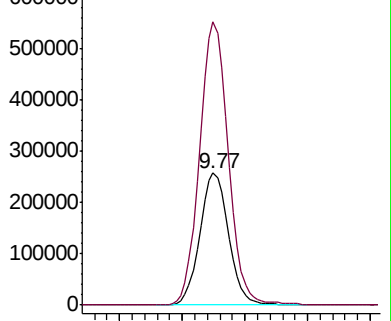
106 100

91 214.0 152.4 283.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 54.050 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. -0.00 min

Lab File: VU031403.D

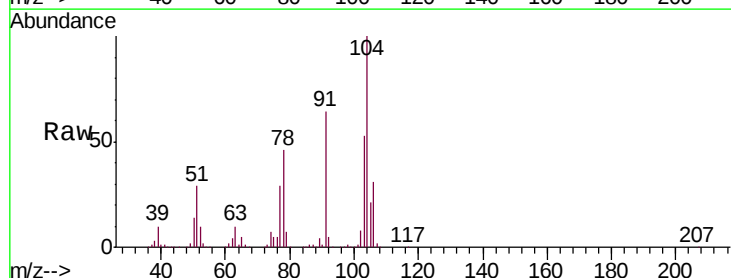
Acq: 22 Apr 2019 19:47

Tgt Ion:104 Resp: 692367

Ion Ratio Lower Upper

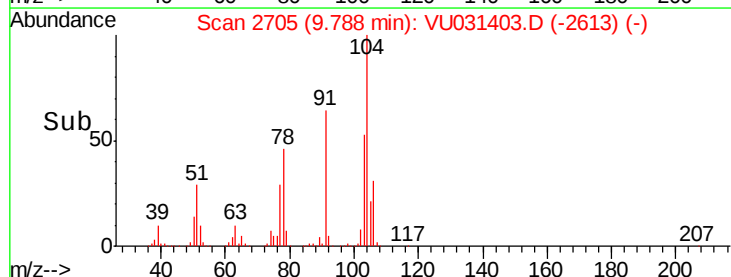
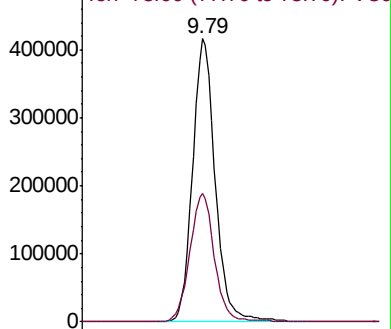
104 100

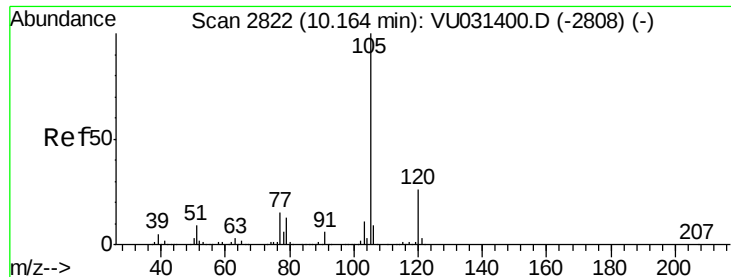
78 45.6 31.1 57.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 53.898 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031403.D

Acq: 22 Apr 2019 19:47

Instrument :

MSVOA_U

ClientSampleId :

VICV53

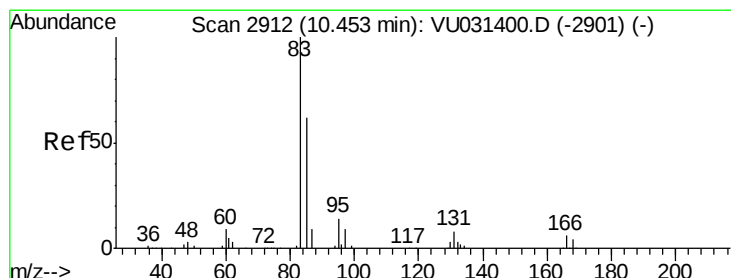
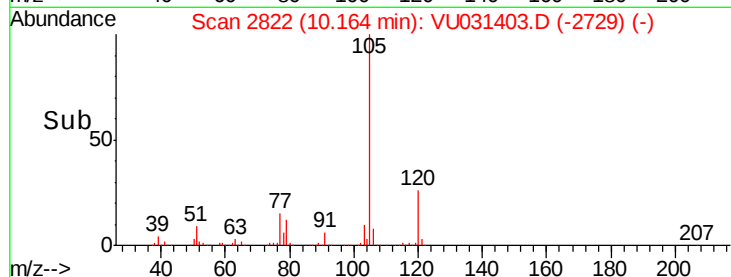
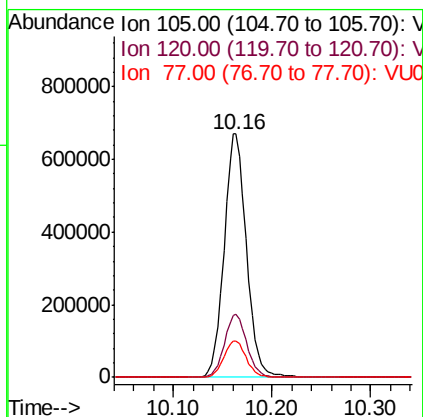
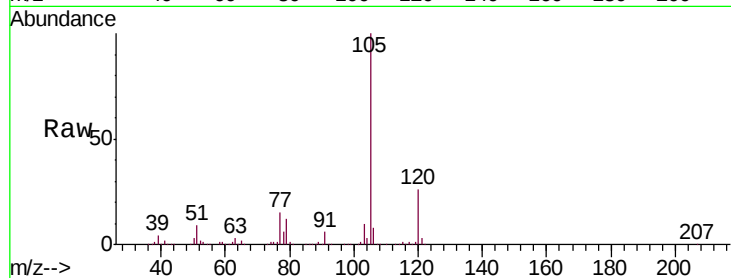
Tgt Ion:105 Resp: 1066522

Ion Ratio Lower Upper

105 100

120 25.9 20.7 31.1

77 15.1 12.2 18.2



#58

1,1,2,2-Tetrachloroethane

Concen: 51.111 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU031403.D

Acq: 22 Apr 2019 19:47

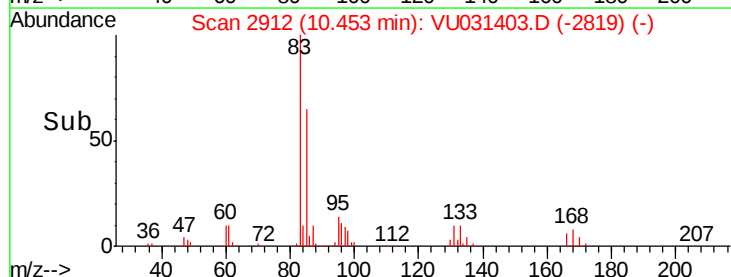
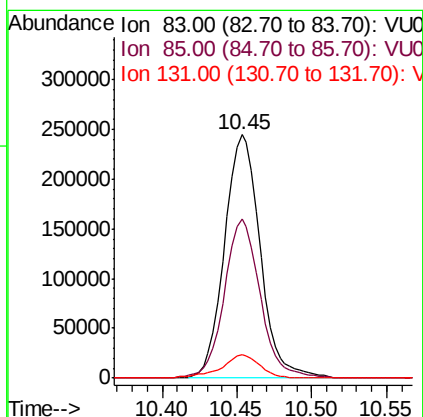
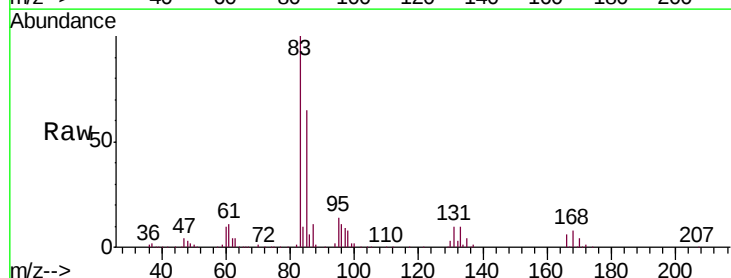
Tgt Ion: 83 Resp: 407667

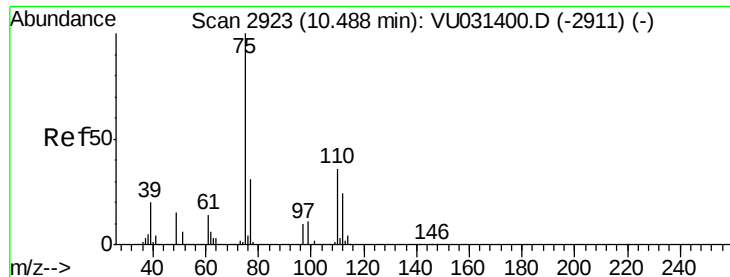
Ion Ratio Lower Upper

83 100

85 65.2 44.5 82.7

131 9.7 7.0 10.6





#59

1,2,3-Trichloropropane

Concen: 52.086 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. 0.00 min

Lab File: VU031403.D

Acq: 22 Apr 2019 19:47

Instrument :

MSVOA_U

ClientSampleId :

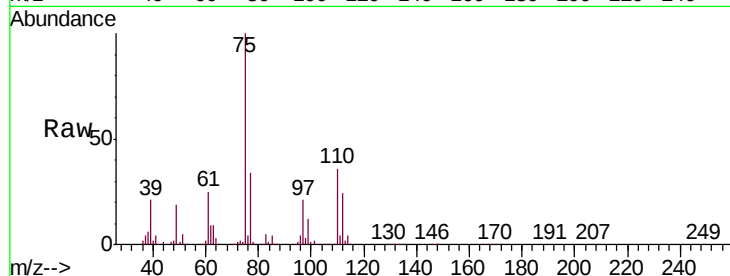
VICV53

Tgt Ion: 75 Resp: 323339

Ion Ratio Lower Upper

75 100

77 33.3 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU031403.D (-2911) (-)

Ion 77.00 (76.70 to 77.70): VU031403.D (-2911) (-)

10.49

200000

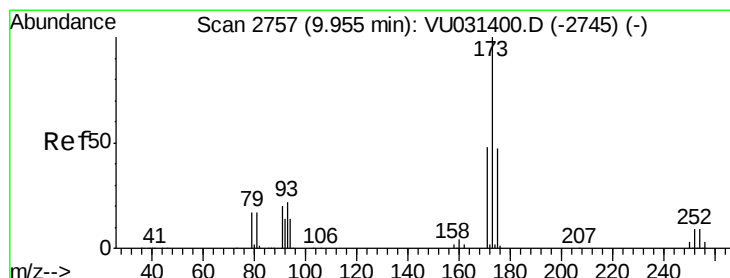
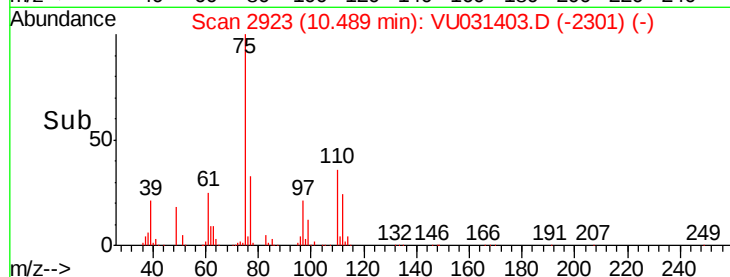
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 50.712 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU031403.D

Acq: 22 Apr 2019 19:47

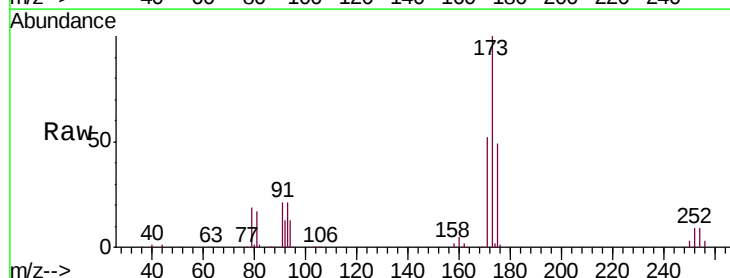
Tgt Ion: 173 Resp: 193177

Ion Ratio Lower Upper

173 100

175 48.4 38.6 57.8

254 9.0 7.7 11.5



Abundance Ion 173.00 (172.70 to 173.70): VU031403.D (-2745) (-)

Ion 175.00 (174.70 to 175.70): VU031403.D (-2745) (-)

Ion 254.00 (253.70 to 254.70): VU031403.D (-2745) (-)

9.95

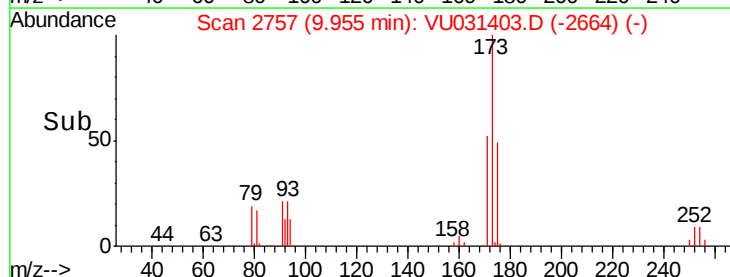
150000

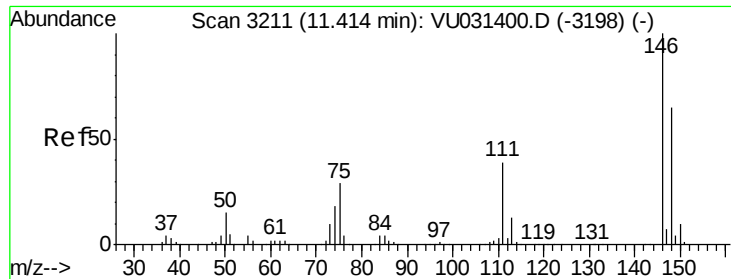
100000

50000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 51.447 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. -0.00 min

Lab File: VU031403.D

Acq: 22 Apr 2019 19:47

Instrument :

MSVOA_U

ClientSampleId :

VICV53

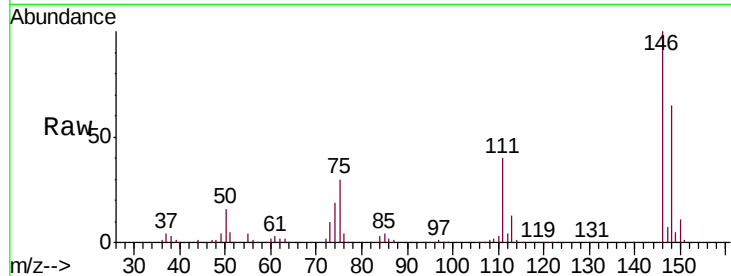
Tgt Ion:146 Resp: 466775

Ion Ratio Lower Upper

146 100

111 40.3 27.4 50.8

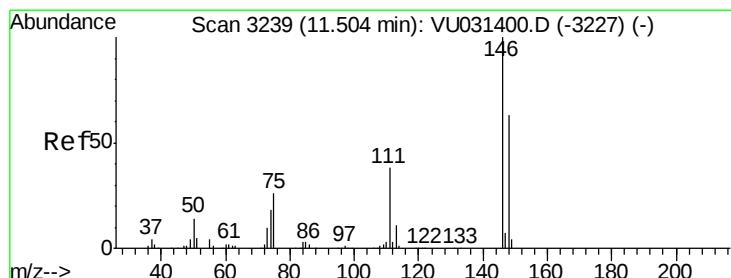
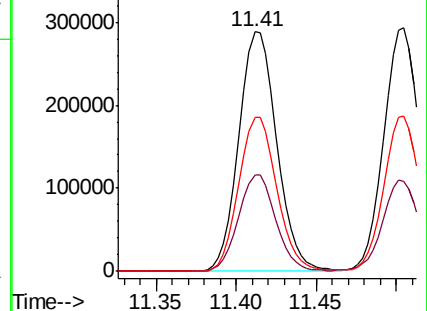
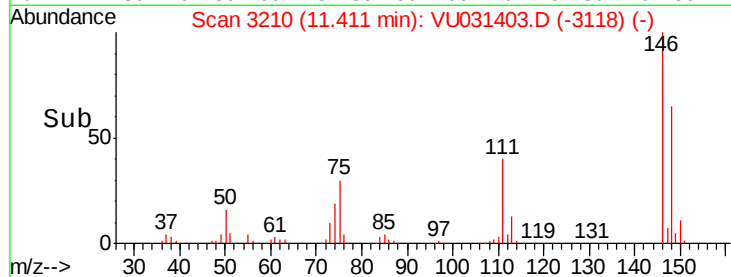
148 64.5 45.4 84.4



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: 51.684 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. 0.00 min

Lab File: VU031403.D

Acq: 22 Apr 2019 19:47

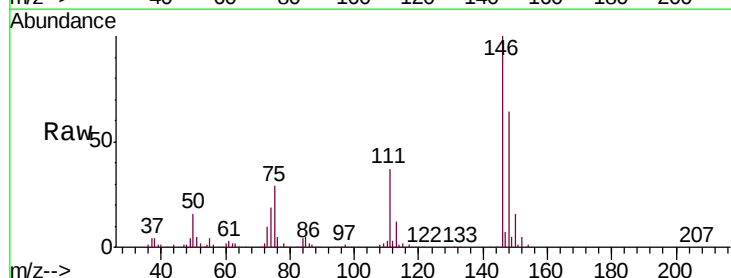
Tgt Ion:146 Resp: 467785

Ion Ratio Lower Upper

146 100

111 37.2 26.6 49.4

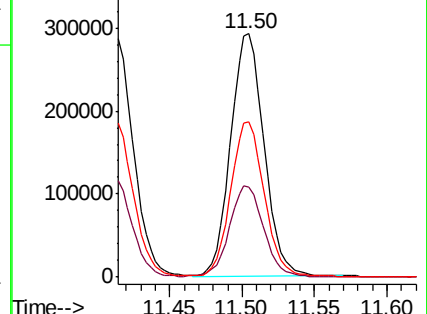
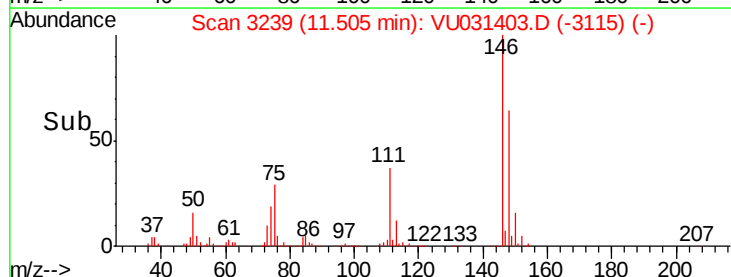
148 63.6 44.4 82.5

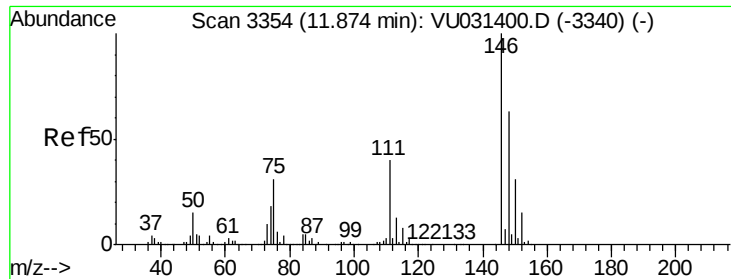


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

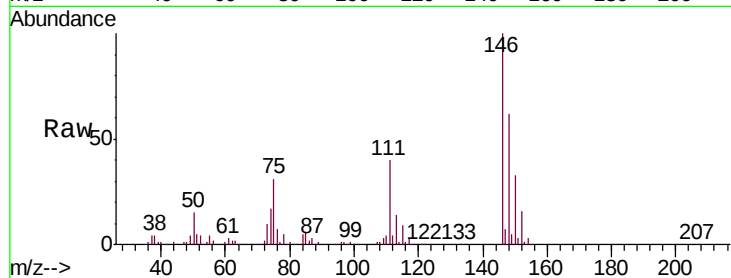




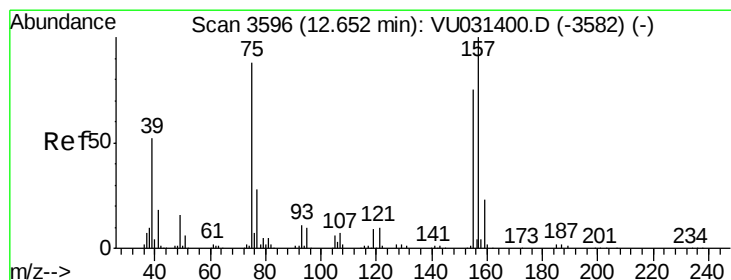
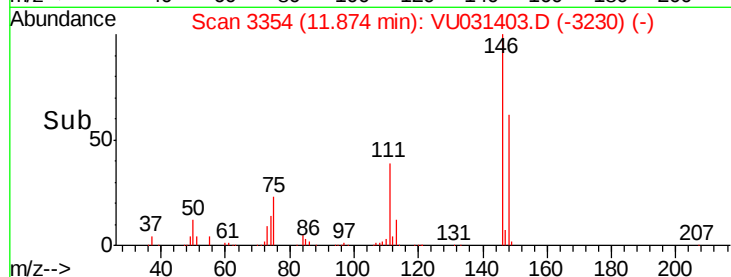
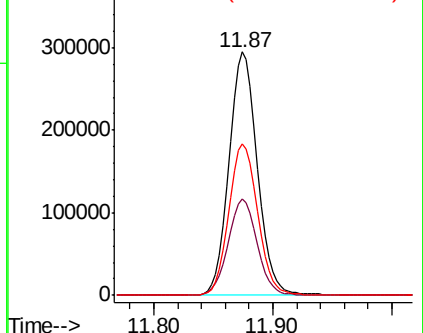
#65
 1,2-Dichlorobenzene
 Concen: 52.434 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU031403.D
 Acq: 22 Apr 2019 19:47

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV53

Tgt Ion: 146 Resp: 486326
 Ion Ratio Lower Upper
 146 100
 111 39.5 32.4 48.6
 148 62.5 50.7 76.1

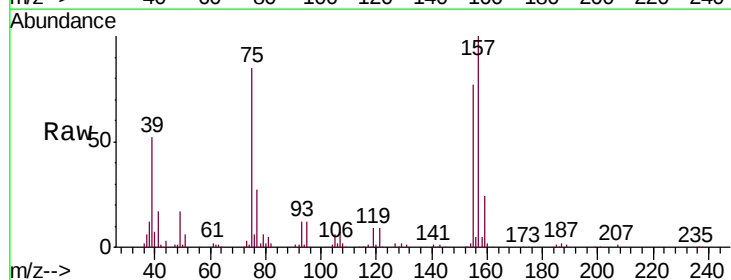


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

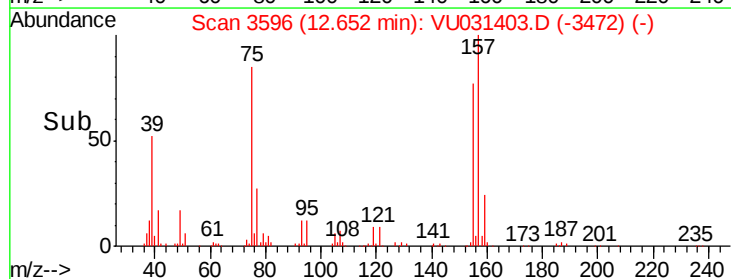
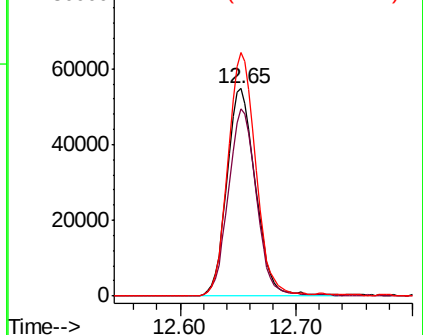


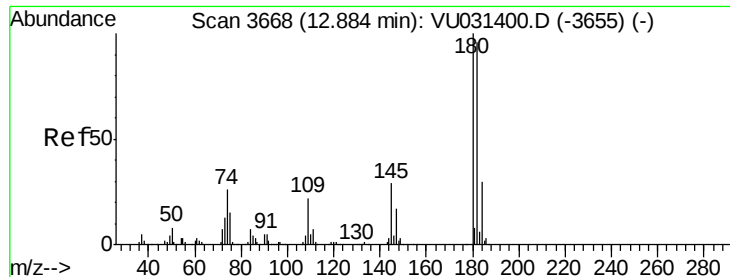
#66
 1,2-Dibromo-3-chloropropane
 Concen: 54.343 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU031403.D
 Acq: 22 Apr 2019 19:47

Tgt Ion: 75 Resp: 93212
 Ion Ratio Lower Upper
 75 100
 155 90.1 68.8 103.2
 157 117.2 91.4 137.2



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: 53.380 ug/L

RT: 12.88 min Scan# 3668

Delta R.T. 0.00 min

Lab File: VU031403.D

Acq: 22 Apr 2019 19:47

Instrument :

MSVOA_U

ClientSampleId :

VICV53

Tgt Ion:180 Resp: 356932

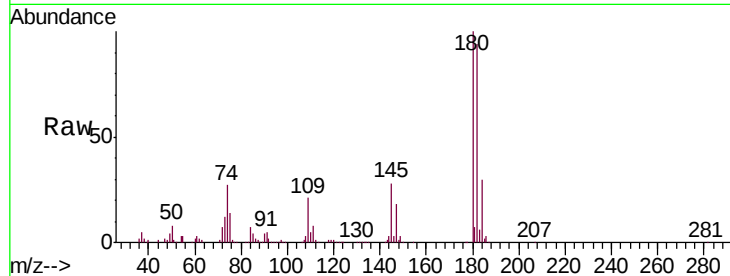
Ion Ratio Lower Upper

180 100

182 94.4 76.5 114.7

184 29.7 23.7 35.5

145 28.4 22.9 34.3

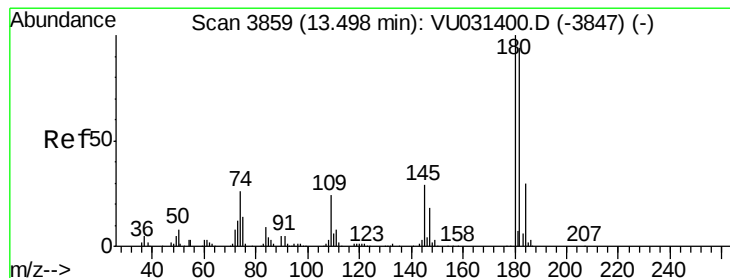
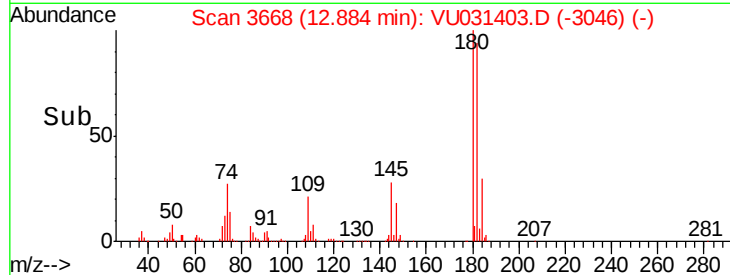
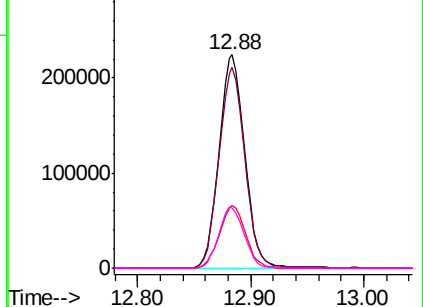


Abundance Ion 180.00 (179.70 to 180.70): V

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: 56.849 ug/L

RT: 13.50 min Scan# 3859

Delta R.T. 0.00 min

Lab File: VU031403.D

Acq: 22 Apr 2019 19:47

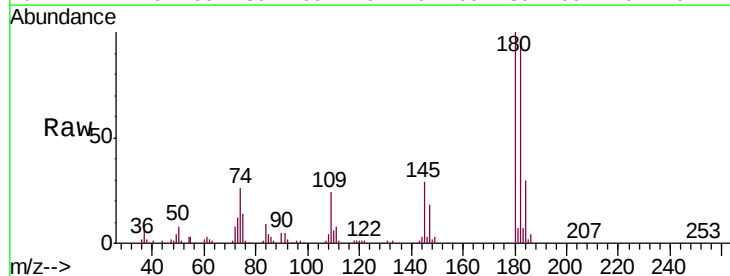
Tgt Ion:180 Resp: 305589

Ion Ratio Lower Upper

180 100

182 93.7 77.5 116.3

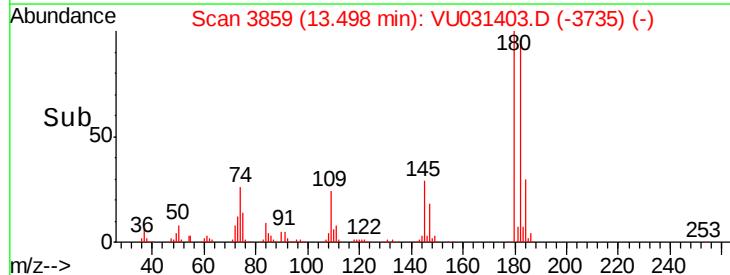
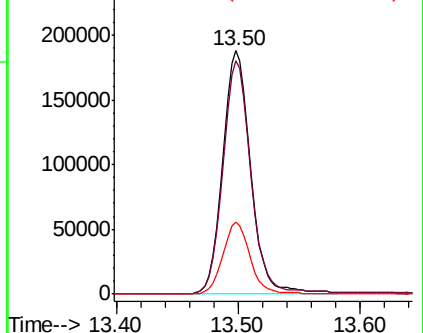
145 28.6 23.3 34.9

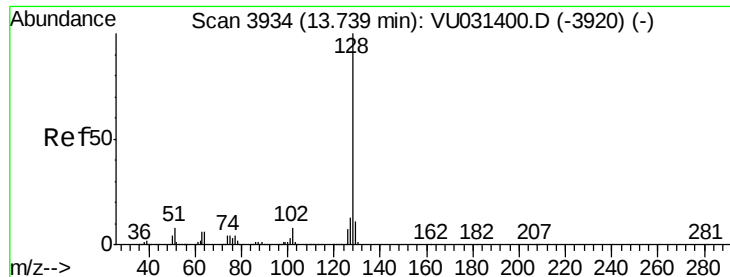


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 56.319 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU031403.D

Acq: 22 Apr 2019 19:47

Instrument :

MSVOA_U

ClientSampleId :

VICV53

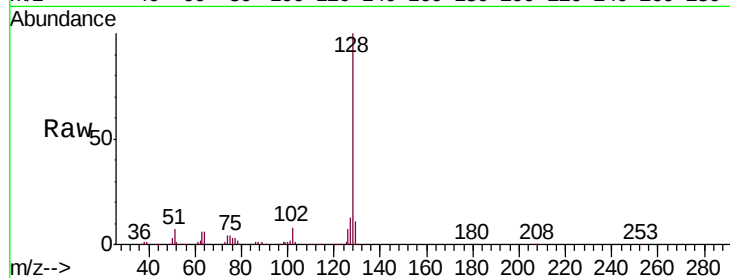
Tgt Ion:128 Resp: 1052455

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

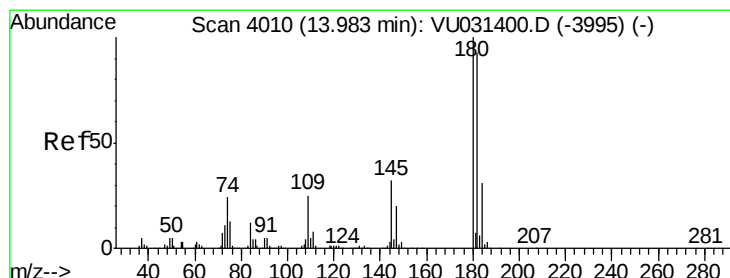
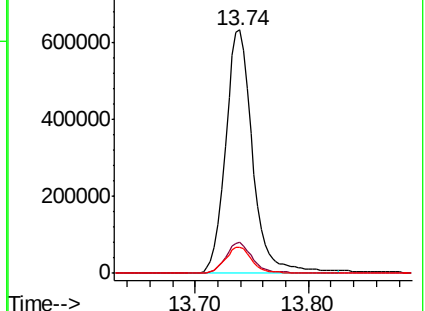
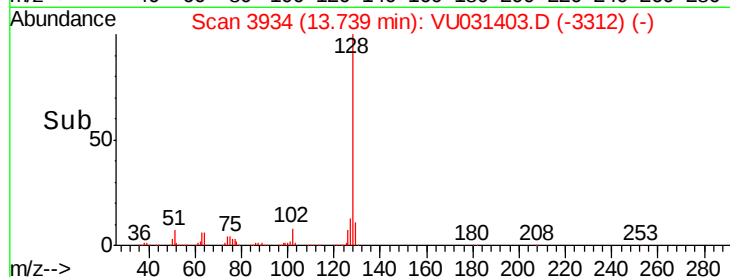
129 10.7 8.6 13.0



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: 56.164 ug/L

RT: 13.98 min Scan# 4009

Delta R.T. -0.00 min

Lab File: VU031403.D

Acq: 22 Apr 2019 19:47

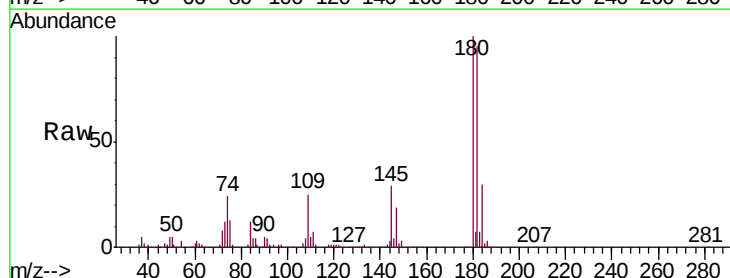
Tgt Ion:180 Resp: 325074

Ion Ratio Lower Upper

180 100

182 96.4 75.8 113.8

145 30.5 25.2 37.8



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

