

Data File : VU033345.D
Acq On : 19 Jul 2019 21:29
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFB27

Quant Time: Jul 20 05:12:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR071619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 18 08:01:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	116053	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	116778	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	58826	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	51085	4.37	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.40%
7) Chloroethane-d5	1.67	69	46588	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.60%
11) 1,1-Dichloroethene-d2	2.26	63	107756	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.40%
20) 2-Butanone-d5	4.17	46	133809	60.76	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.52%
24) Chloroform-d	4.62	84	84105	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.29	65	47524	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.00%
32) Benzene-d6	5.32	84	162859	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
36) 1,2-Dichloropropane-d6	6.31	67	53091	5.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.60%
41) Toluene-d8	7.55	98	149375	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
43) trans-1,3-Dichloropropene-	7.83	79	22117	5.34	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.80%
46) 2-Hexanone-d5	8.30	63	105236	61.78	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	123.56%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	48157	5.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.00%
64) 1,2-Dichlorobenzene-d4	11.85	152	57167	4.99	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	50971	5.173 ug/L	98
3) Chloromethane	1.32	50	60323	5.187 ug/L	100
5) Vinyl chloride	1.39	62	66671	5.337 ug/L	99
6) Bromomethane	1.62	94	42037	5.307 ug/L	96
8) Chloroethane	1.69	64	41802	5.228 ug/L	100
9) Trichlorofluoromethane	1.87	101	94176	5.260 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	52867	5.346 ug/L	97
12) 1,1-Dichloroethene	2.27	96	51019	5.351 ug/L	93
13) Acetone	2.31	43	109402	56.734 ug/L	96
14) Carbon disulfide	2.46	76	156699	5.076 ug/L	99
15) Methyl Acetate	2.60	43	29399	6.104 ug/L	99
16) Methylene chloride	2.68	84	60951	5.243 ug/L	92
17) Methyl tert-butyl Ether	2.98	73	148877	5.962 ug/L	99
18) trans-1,2-Dichloroethene	2.96	96	55286	5.249 ug/L	99
19) 1,1-Dichloroethane	3.42	63	84896	5.365 ug/L	99
21) 2-Butanone	4.25	43	133951	60.441 ug/L	99
22) cis-1,2-Dichloroethene	4.20	96	47071	5.288 ug/L	95

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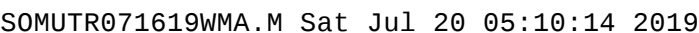
Instrument :
MSVOA_U
ClientSampleId :
BFB27

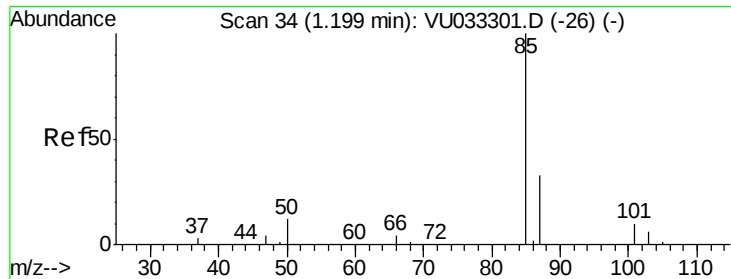
Quant Time: Jul 20 05:12:24 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	20954	5.345	ug/L	95
25) Chloroform	4.65	83	93144	5.314	ug/L	99
27) 1,2-Dichloroethane	5.38	62	59614	5.717	ug/L	99
29) 1,1,1-Trichloroethane	4.89	97	72369	5.365	ug/L	99
30) Cyclohexane	4.97	56	66427	5.484	ug/L	98
31) Carbon tetrachloride	5.11	117	62389	5.284	ug/L	99
33) Benzene	5.36	78	186396	5.636	ug/L	100
34) Trichloroethene	6.16	95	48812	5.578	ug/L	97
35) Methylcyclohexane	6.39	83	69639	5.281	ug/L	98
37) 1,2-Dichloropropane	6.41	63	51332	5.740	ug/L	99
38) Bromodichloromethane	6.74	83	62312	5.462	ug/L	98
39) cis-1,3-Dichloropropene	7.25	75	69504	5.448	ug/L	97
40) 4-Methyl-2-pentanone	7.45	43	327709	63.948	ug/L	99
42) Toluene	7.62	91	199812	5.628	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	56646	5.491	ug/L	95
45) 1,1,2-Trichloroethane	8.05	97	36084	5.643	ug/L	93
47) Tetrachloroethene	8.21	164	36011	5.135	ug/L	97
48) 2-Hexanone	8.35	43	239646	63.937	ug/L	99
49) Dibromochloromethane	8.46	129	41683	5.412	ug/L	94
50) 1,2-Dibromoethane	8.57	107	34309	5.589	ug/L #	95
51) Chlorobenzene	9.10	112	126617	5.433	ug/L	100
52) Ethylbenzene	9.23	91	211661	5.584	ug/L	99
53) m,p-Xylene	9.36	106	82304	5.748	ug/L	95
54) o-Xylene	9.76	106	80702	5.912	ug/L	96
55) Styrene	9.77	104	135397	5.692	ug/L	97
56) Isopropylbenzene	10.15	105	205987	5.676	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	48258	5.895	ug/L	100
59) 1,2,3-Trichloropropane	10.48	75	34125	5.852	ug/L	99
61) Bromoform	9.94	173	23073	5.703	ug/L	100
62) 1,3-Dichlorobenzene	11.40	146	95701	5.444	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	99792	5.390	ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	95221	5.456	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	7942	6.013	ug/L	95
67) 1,3,5-Trichlorobenzene	12.87	180	72372	5.239	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	59496	5.332	ug/L	99
69) Naphthalene	13.73	128	107822	5.704	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	58167	5.532	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 5.173 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU033345.D

Acq: 19 Jul 2019 21:29

Instrument :

MSVOA_U

ClientSampled :

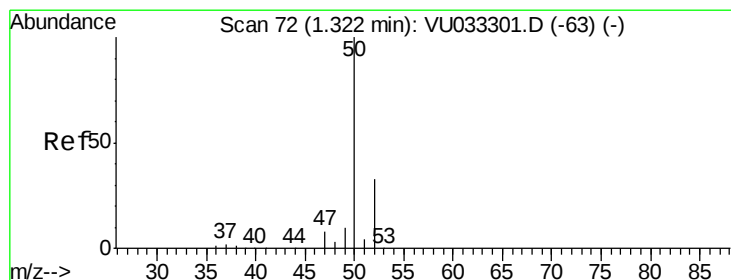
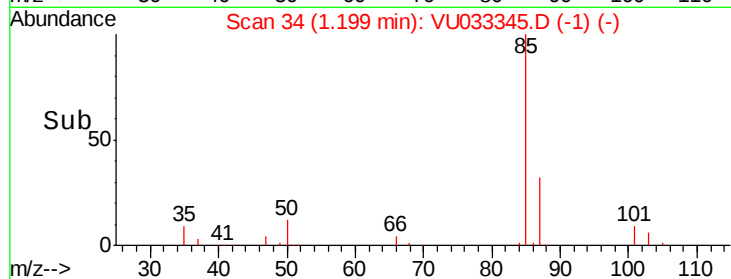
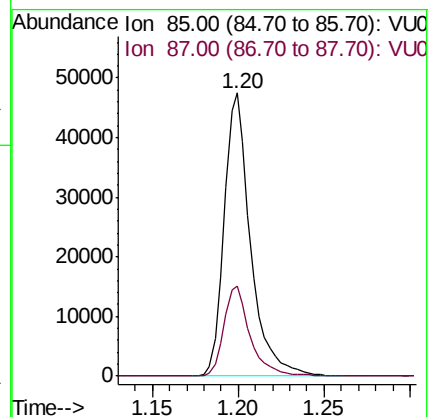
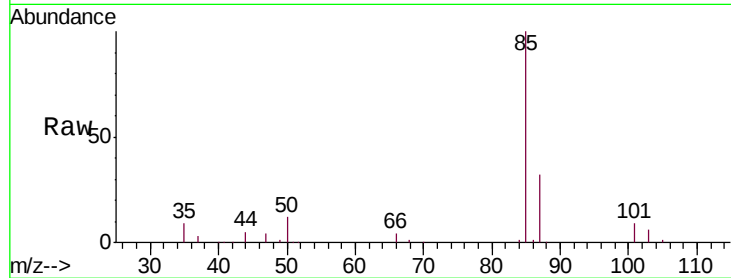
BFB27

Tgt Ion: 85 Resp: 50971

Ion Ratio Lower Upper

85 100

87 31.6 26.3 39.5



#3

Chloromethane

Concen: 5.187 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU033345.D

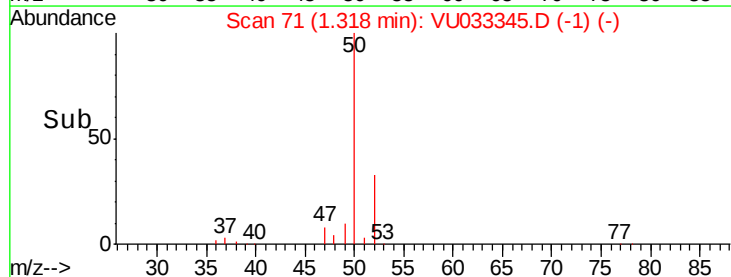
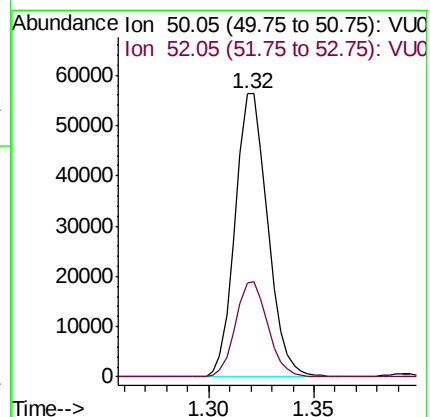
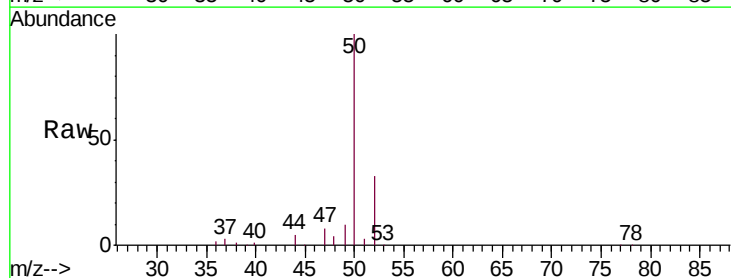
Acq: 19 Jul 2019 21:29

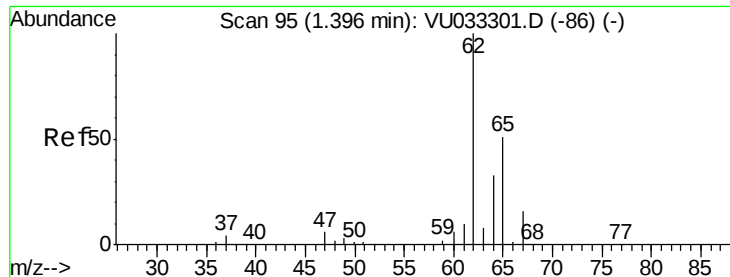
Tgt Ion: 50 Resp: 60323

Ion Ratio Lower Upper

50 100

52 33.4 23.3 43.3





#5

Vinyl chloride

Concen: 5.337 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033345.D

Acq: 19 Jul 2019 21:29

Instrument :

MSVOA_U

ClientSampleId :

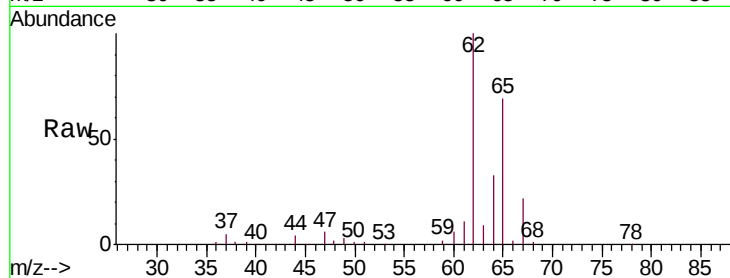
BFB27

Tgt Ion: 62 Resp: 66671

Ion Ratio Lower Upper

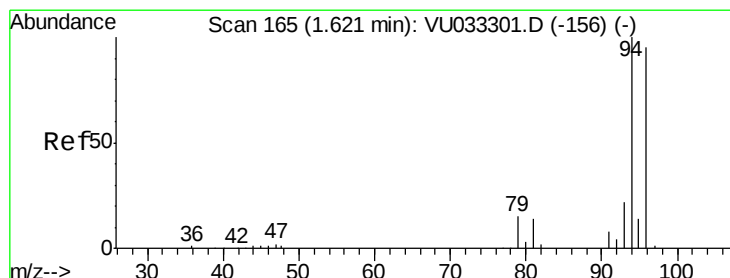
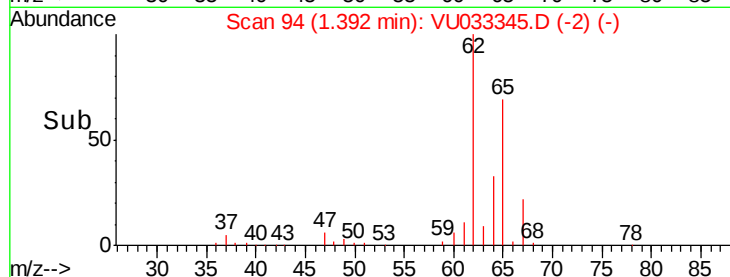
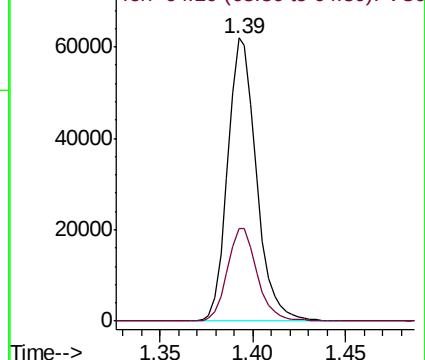
62 100

64 32.9 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 5.307 ug/L

RT: 1.62 min Scan# 164

Delta R.T. -0.01 min

Lab File: VU033345.D

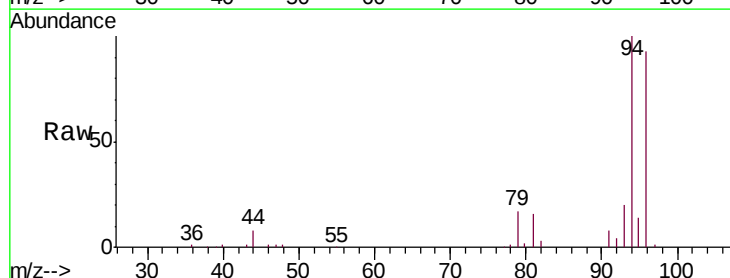
Acq: 19 Jul 2019 21:29

Tgt Ion: 94 Resp: 42037

Ion Ratio Lower Upper

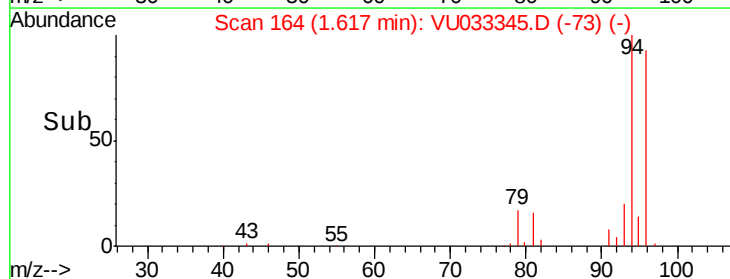
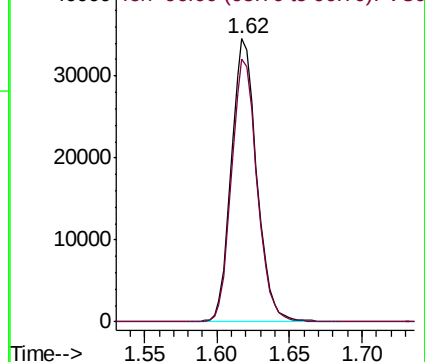
94 100

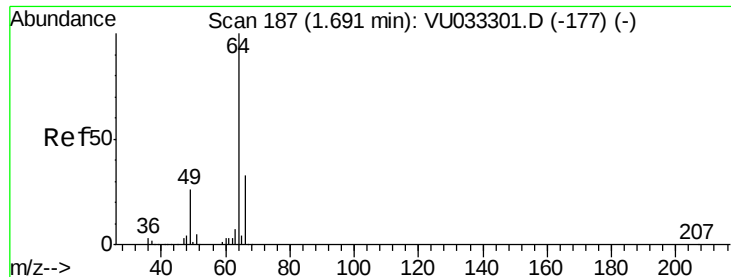
96 93.0 62.4 116.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 5.228 ug/L

RT: 1.69 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU033345.D

Acq: 19 Jul 2019 21:29

Instrument :

MSVOA_U

ClientSampleId :

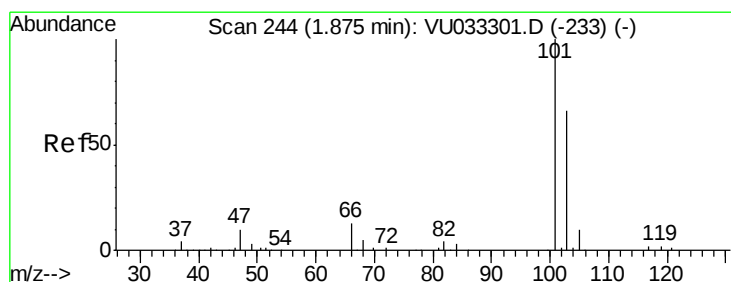
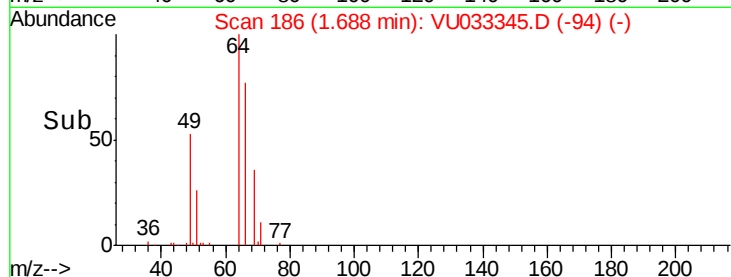
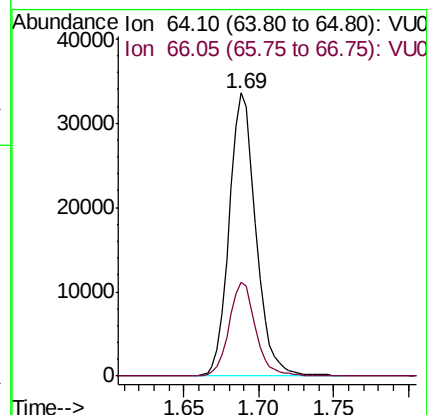
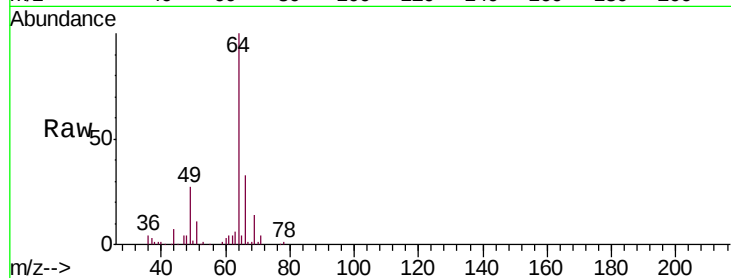
BFB27

Tgt Ion: 64 Resp: 41802

Ion Ratio Lower Upper

64 100

66 33.3 23.2 43.2



#9

Trichlorofluoromethane

Concen: 5.260 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU033345.D

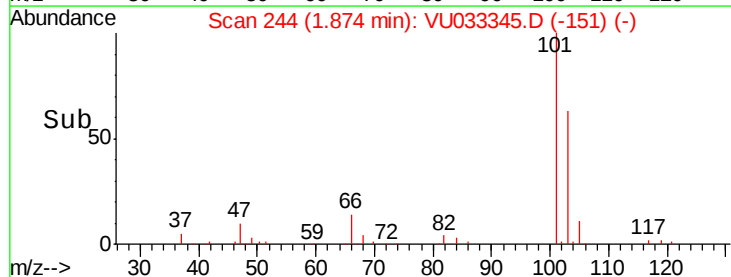
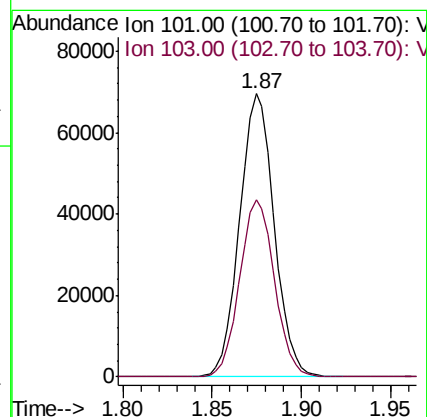
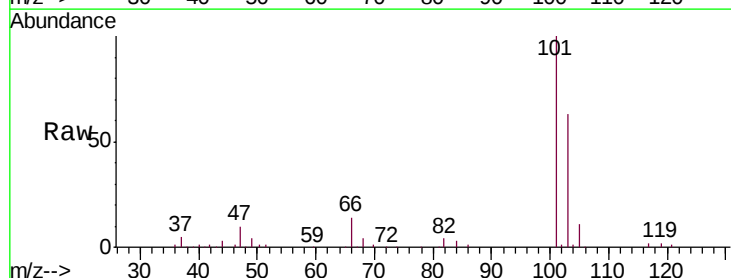
Acq: 19 Jul 2019 21:29

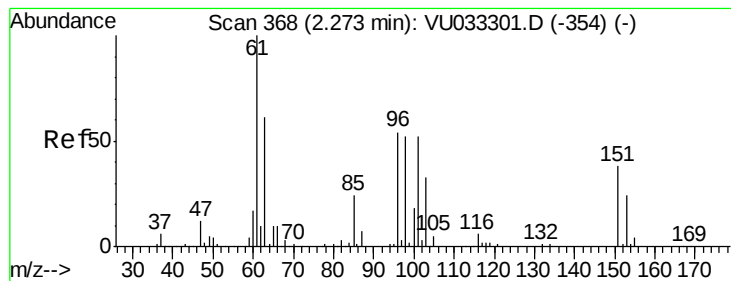
Tgt Ion: 101 Resp: 94176

Ion Ratio Lower Upper

101 100

103 63.0 52.2 78.4





#10

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

Concen: 5.346 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU033345.D

Acq: 19 Jul 2019 21:29

Instrument :

MSVOA_U

ClientSampled :

BFB27

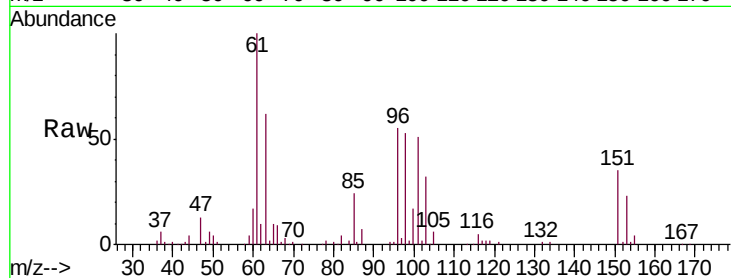
Tgt Ion: 101 Resp: 52867

Ion Ratio Lower Upper

101 100

85 45.8 37.4 56.0

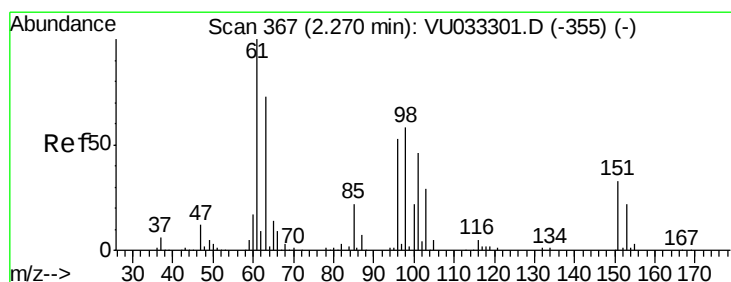
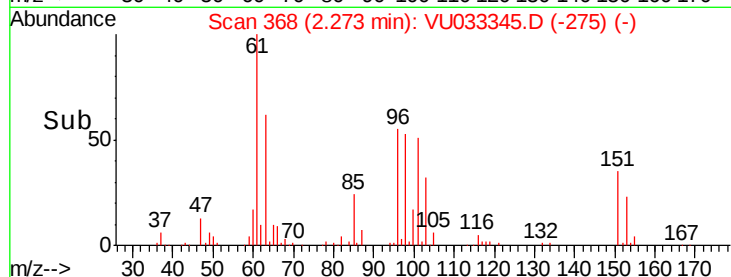
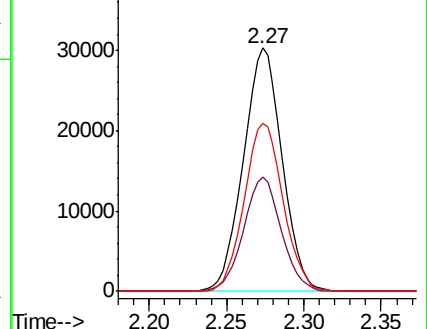
151 69.2 58.6 87.8



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: 5.351 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033345.D

Acq: 19 Jul 2019 21:29

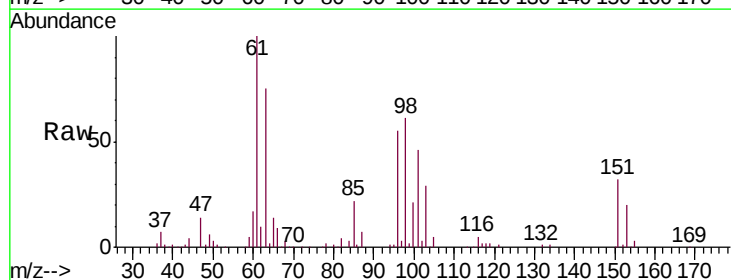
Tgt Ion: 96 Resp: 51019

Ion Ratio Lower Upper

96 100

61 183.3 129.3 240.1

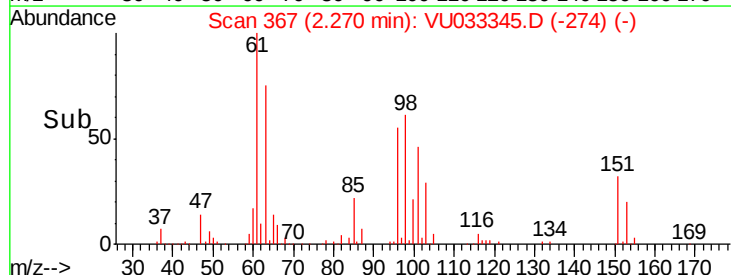
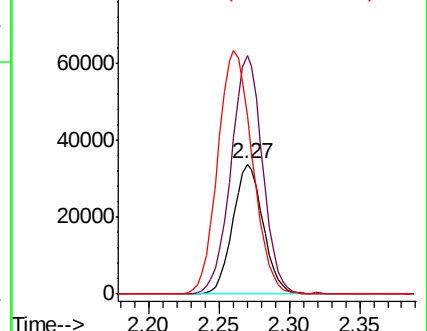
63 137.6 108.9 202.3

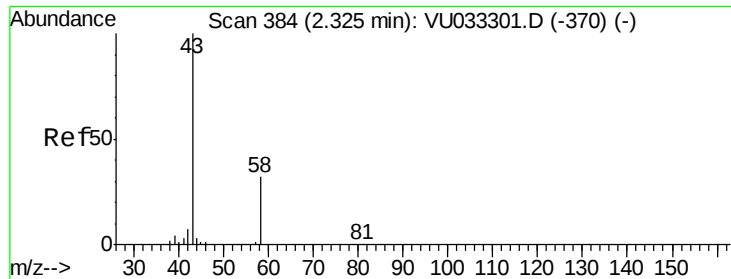


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 56.734 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.02 min

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Instrument :

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ClientSampleId :

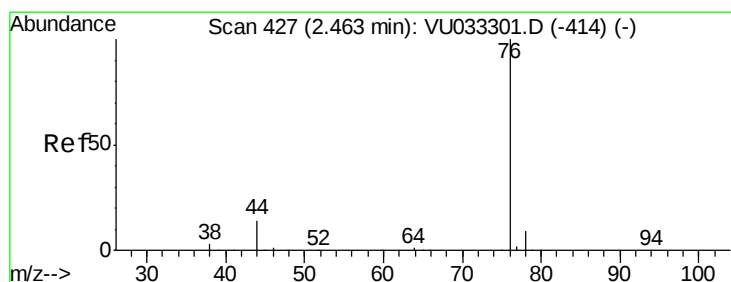
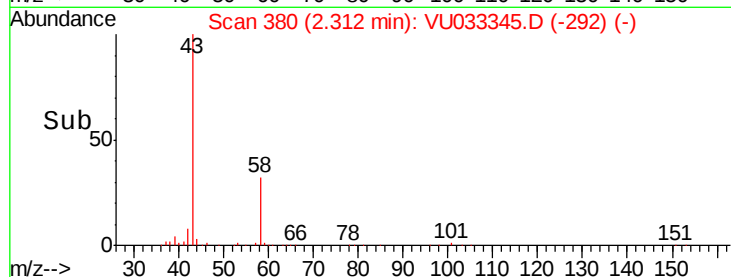
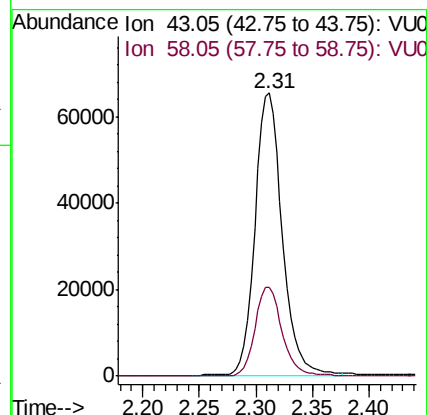
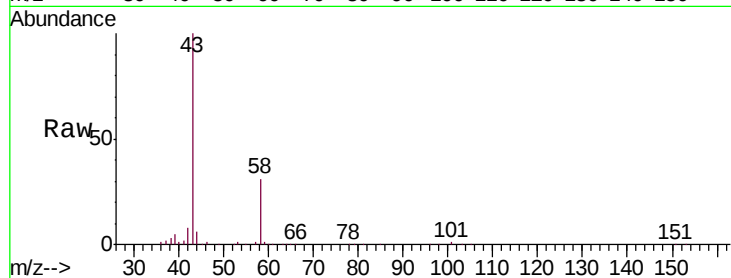
BFB27

Tgt Ion: 43 Resp: 109402

Ion Ratio Lower Upper

43 100

58 30.8 0.0 66.6



#14

Carbon disulfide

Concen: 5.076 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VU033345.D

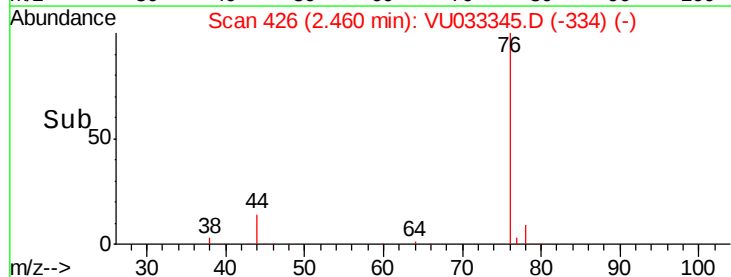
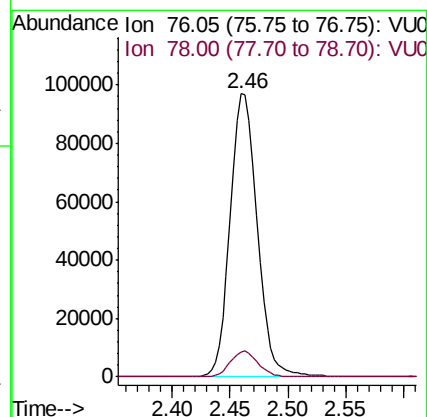
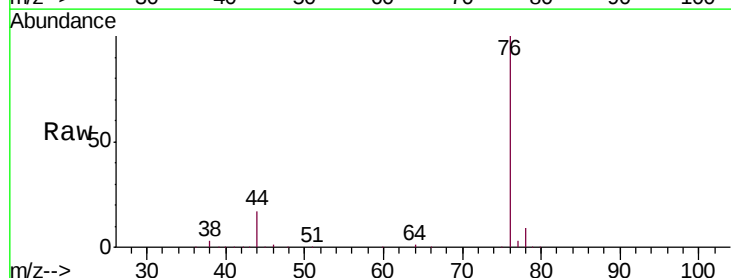
Acq: 19 Jul 2019 21:29

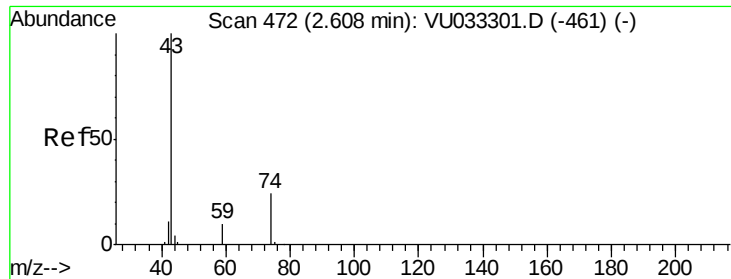
Tgt Ion: 76 Resp: 156699

Ion Ratio Lower Upper

76 100

78 8.7 7.1 10.7





#15

Methyl Acetate

Concen: 6.104 ug/L

RT: 2.60 min Scan# 470

Delta R.T. -0.00 min

Lab File: VU033345.D

Acq: 19 Jul 2019 21:29

Instrument :

MSVOA_U

ClientSampleId :

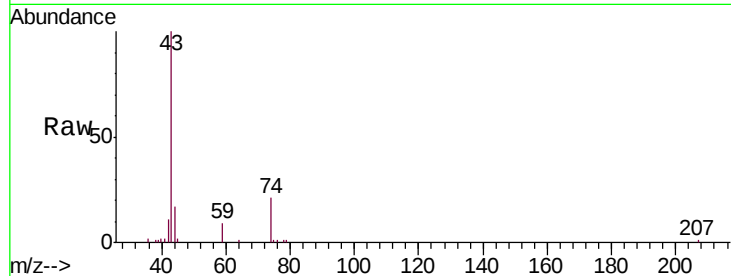
BFB27

Tgt Ion: 43 Resp: 29399

Ion Ratio Lower Upper

43 100

74 22.7 17.8 26.8



Abundance Ion 43.05 (42.75 to 43.75): VU033301.D (-461) (-)

Ion 74.05 (73.75 to 74.75): VU033301.D (-461) (-)

2.60

15000

10000

5000

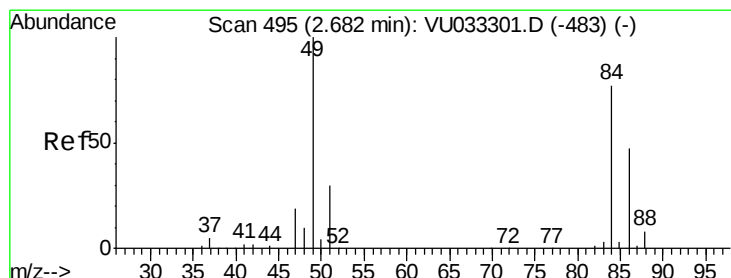
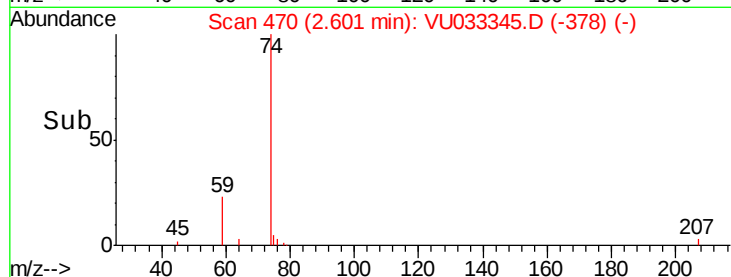
0

Time-->

2.55

2.60

2.65



#16

Methylene chloride

Concen: 5.243 ug/L

RT: 2.68 min Scan# 495

Delta R.T. -0.00 min

Lab File: VU033345.D

Acq: 19 Jul 2019 21:29

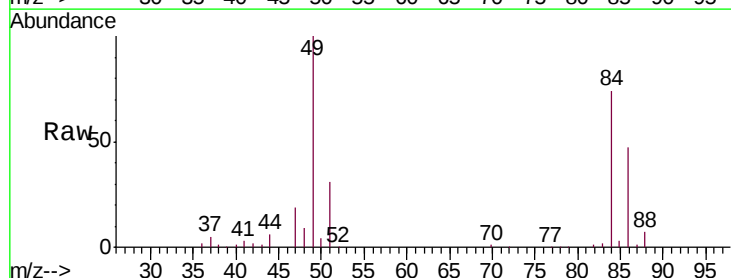
Tgt Ion: 84 Resp: 60951

Ion Ratio Lower Upper

84 100

86 63.4 42.5 78.9

49 135.2 86.9 161.3



Abundance Ion 84.05 (83.75 to 84.75): VU033301.D (-483) (-)

Ion 86.00 (85.70 to 86.70): VU033301.D (-483) (-)

Ion 49.10 (48.80 to 49.80): VU033301.D (-483) (-)

2.68

60000

50000

40000

30000

20000

10000

0

Time-->

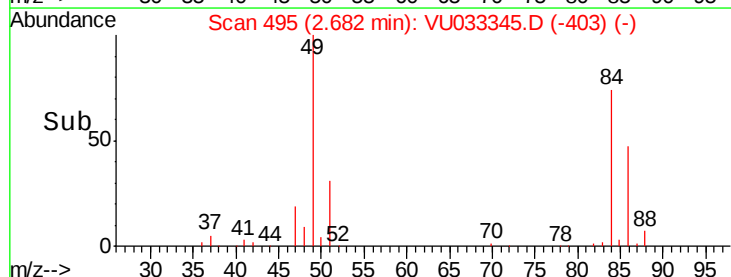
2.60

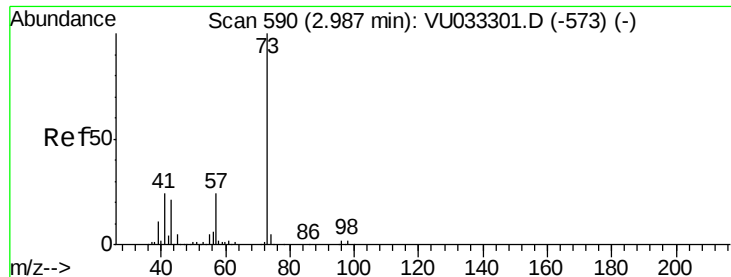
2.65

2.70

2.75

2.80





#17

Methyl tert-butyl Ether

Concen: 5.962 ug/L

RT: 2.98 min Scan# 589

Delta R.T. -0.00 min

Lab File: VU033345.D

Acq: 19 Jul 2019 21:29

Instrument :

MSVOA_U

ClientSampleId :

BFB27

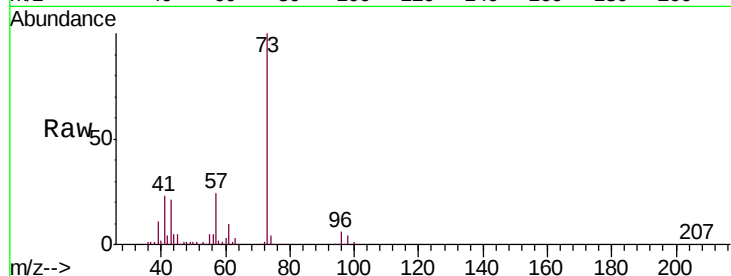
Tgt Ion: 73 Resp: 148877

Ion Ratio Lower Upper

73 100

43 20.7 16.3 24.5

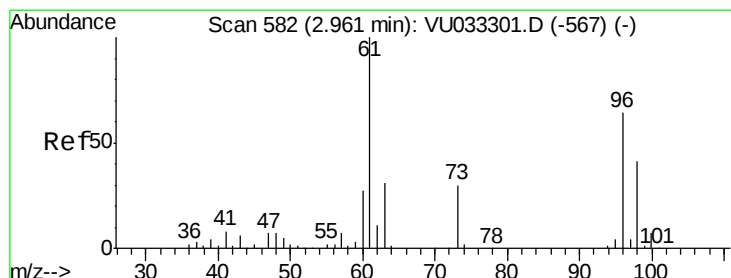
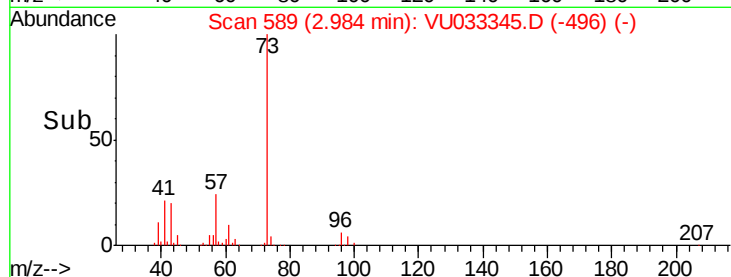
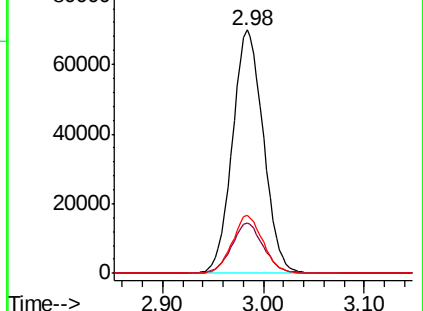
57 23.6 18.6 28.0



Abundance Ion 73.10 (72.80 to 73.80): VU033345.D (-496) (-)

Ion 43.05 (42.75 to 43.75): VU033345.D (-496) (-)

Ion 57.10 (56.80 to 57.80): VU033345.D (-496) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.249 ug/L

RT: 2.96 min Scan# 582

Delta R.T. -0.00 min

Lab File: VU033345.D

Acq: 19 Jul 2019 21:29

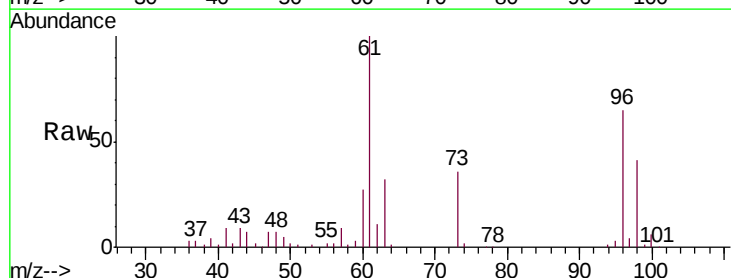
Tgt Ion: 96 Resp: 55286

Ion Ratio Lower Upper

96 100

61 154.6 107.1 198.9

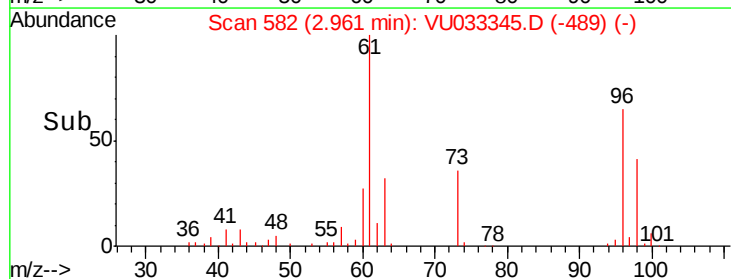
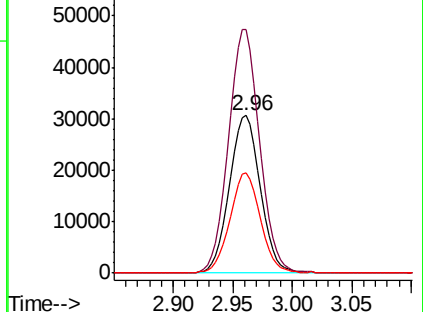
98 63.7 45.4 84.4

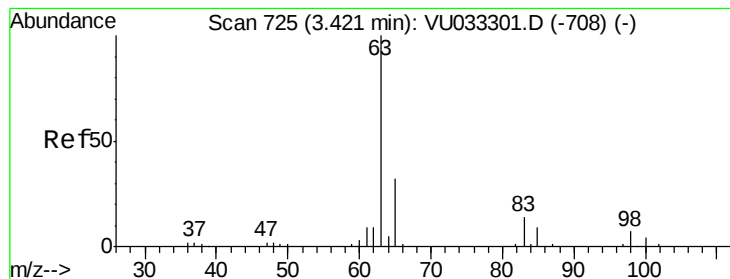


Abundance Ion 96.00 (95.70 to 96.70): VU033345.D (-489) (-)

Ion 61.05 (60.75 to 61.75): VU033345.D (-489) (-)

Ion 97.95 (97.65 to 98.65): VU033345.D (-489) (-)





#19

1,1-Dichloroethane

Concen: 5.365 ug/L

RT: 3.42 min Scan# 724

Delta R.T. -0.00 min

Lab File: VU033345.D

Acq: 19 Jul 2019 21:29

Instrument :

MSVOA_U

ClientSampleId :

BFB27

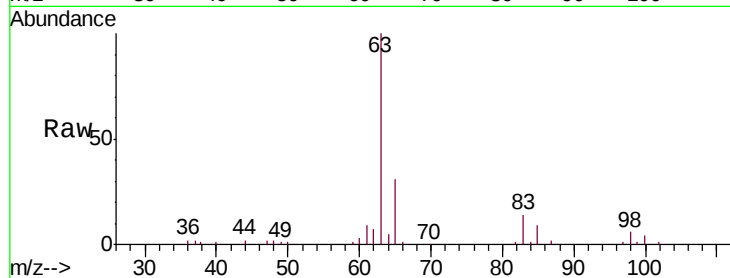
Tgt Ion: 63 Resp: 84896

Ion Ratio Lower Upper

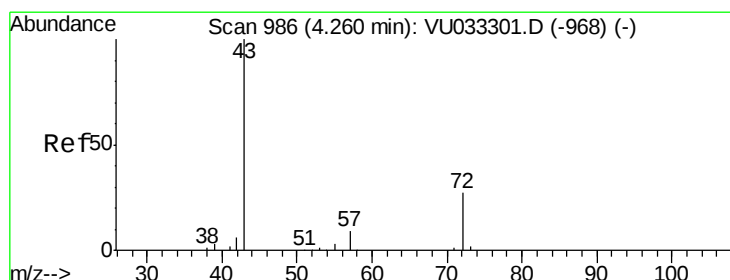
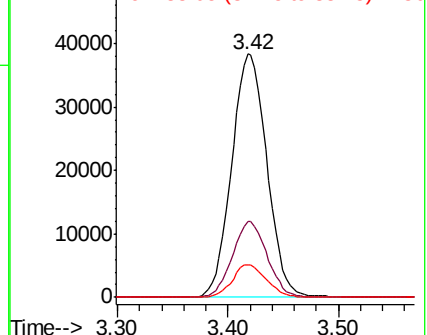
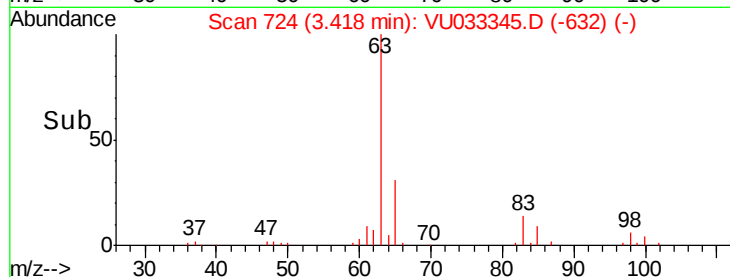
63 100

65 31.1 21.7 40.3

83 13.5 9.0 16.8



Abundance Ion 63.10 (62.80 to 63.80): VU033345.D (-632) (-)



#21

2-Butanone

Concen: 60.441 ug/L

RT: 4.25 min Scan# 983

Delta R.T. -0.01 min

Lab File: VU033345.D

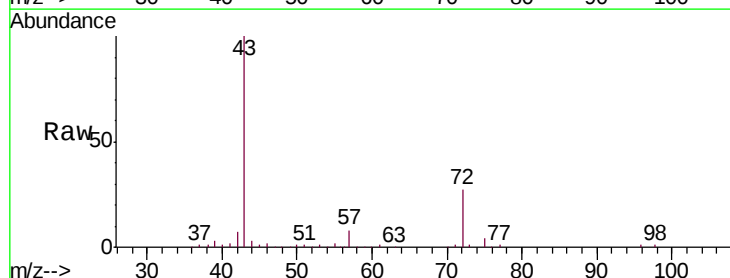
Acq: 19 Jul 2019 21:29

Tgt Ion: 43 Resp: 133951

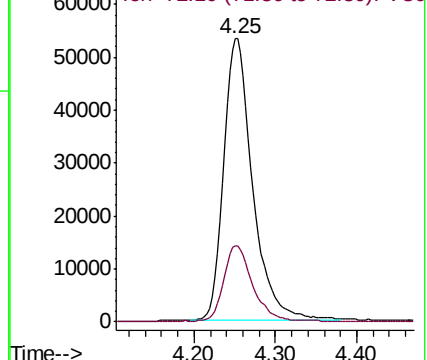
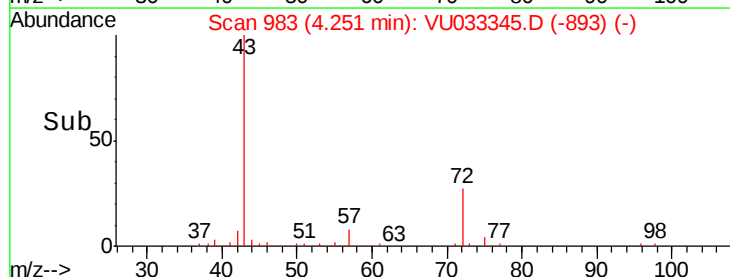
Ion Ratio Lower Upper

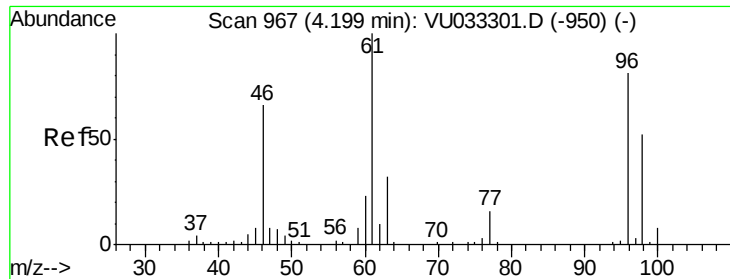
43 100

72 26.2 13.5 40.4



Abundance Ion 43.05 (42.75 to 43.75): VU033345.D (-893) (-)

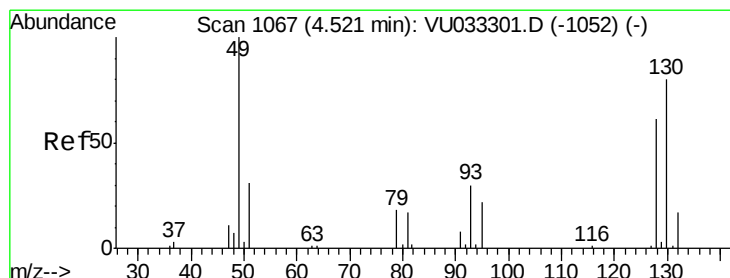
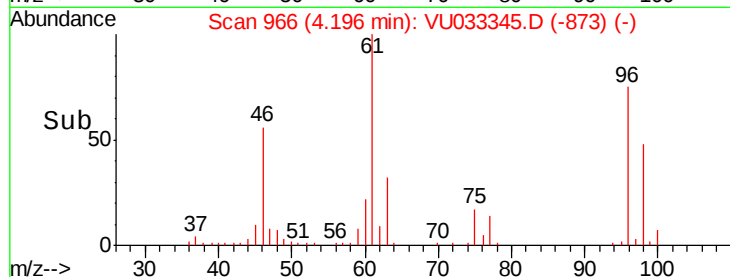
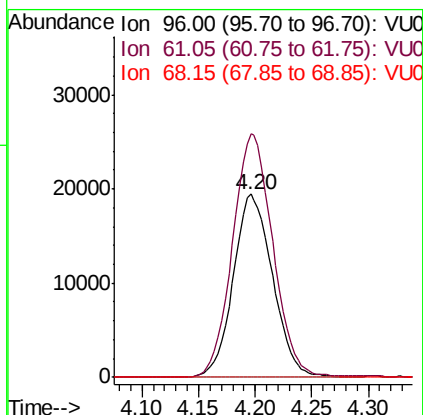
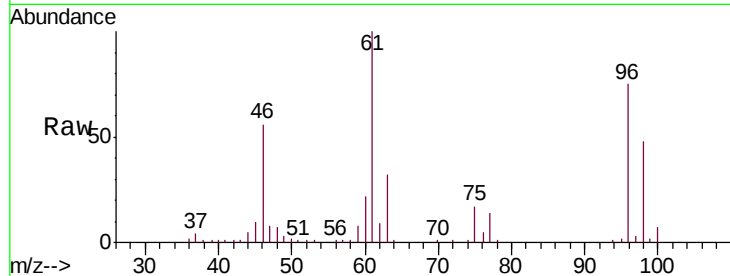




#22
 cis-1,2-Dichloroethene
 Concen: 5.288 ug/L
 RT: 4.20 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VU033345.D
 Acq: 19 Jul 2019 21:29

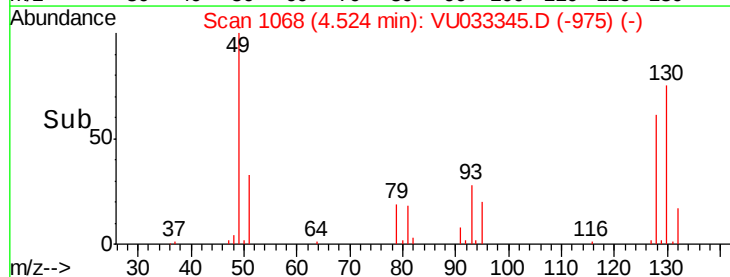
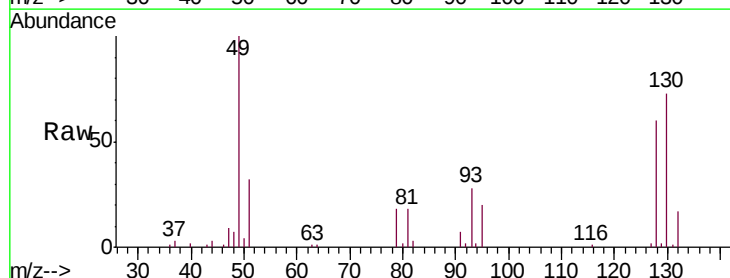
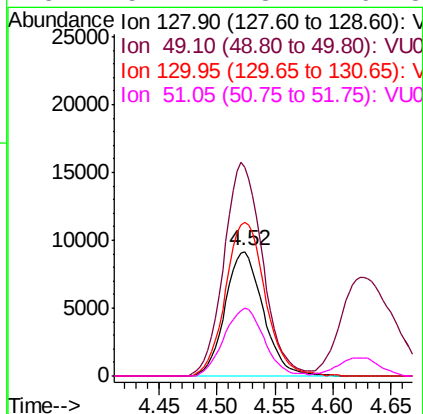
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB27

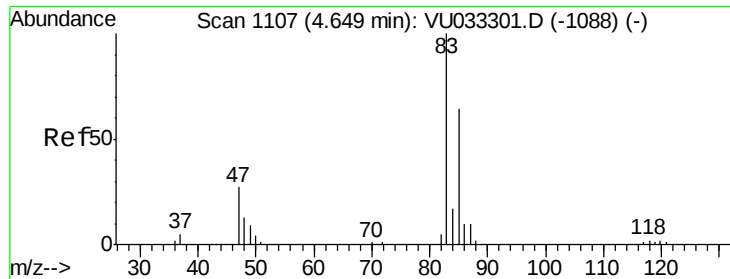
Tgt Ion: 96 Resp: 47071
 Ion Ratio Lower Upper
 96 100
 61 133.0 89.2 165.6
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.345 ug/L
 RT: 4.52 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VU033345.D
 Acq: 19 Jul 2019 21:29

Tgt Ion: 128 Resp: 20954
 Ion Ratio Lower Upper
 128 100
 49 167.9 110.5 205.3
 130 122.8 88.6 164.6
 51 54.1 43.2 64.8

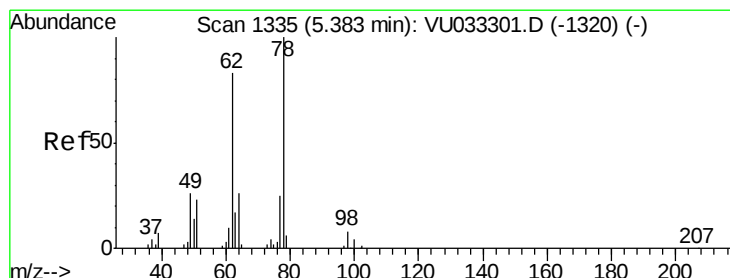
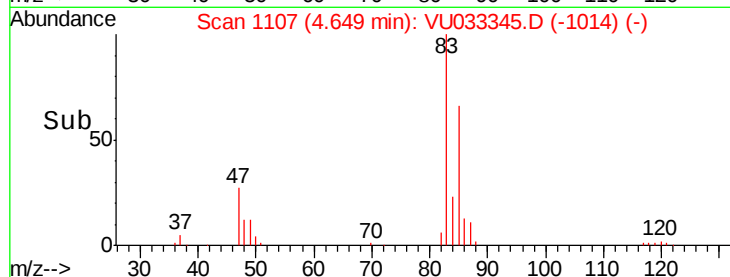
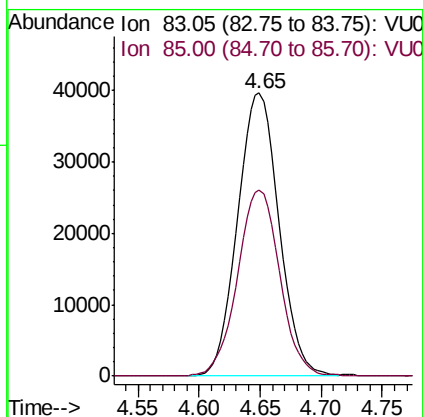
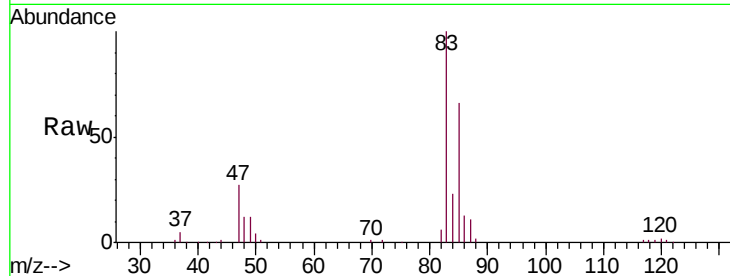




#25
Chloroform
Concen: 5.314 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VU033345.D
Acq: 19 Jul 2019 21:29

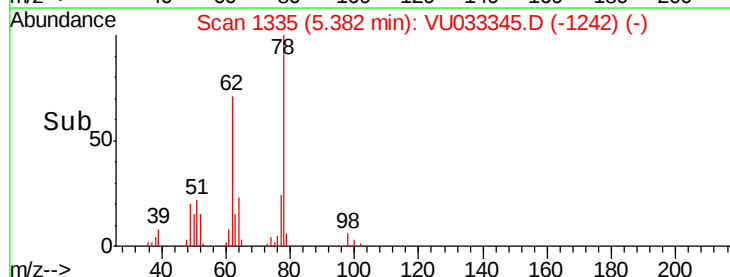
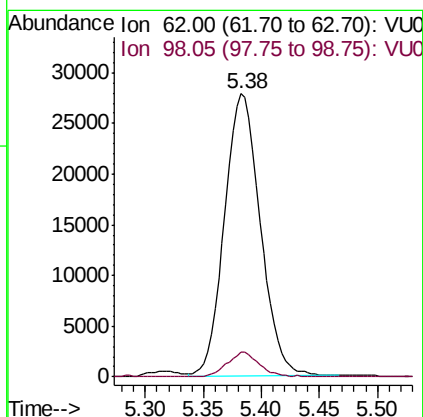
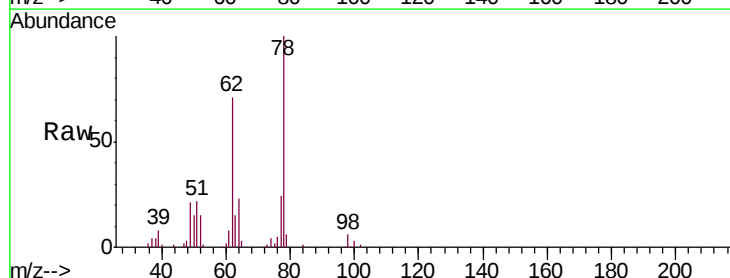
Instrument :
MSVOA_U
ClientSampleId :
BFB27

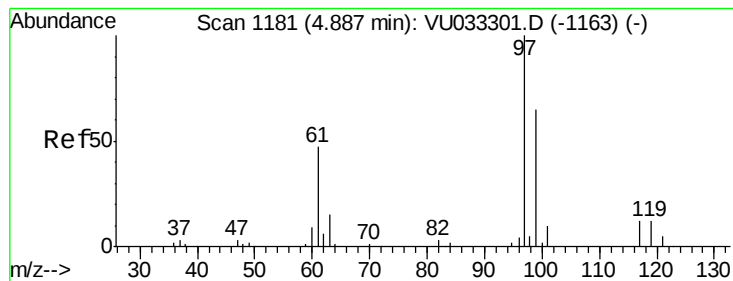
Tgt Ion: 83 Resp: 93144
Ion Ratio Lower Upper
83 100
85 65.8 45.4 84.4



#27
1,2-Dichloroethane
Concen: 5.717 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU033345.D
Acq: 19 Jul 2019 21:29

Tgt Ion: 62 Resp: 59614
Ion Ratio Lower Upper
62 100
98 8.6 6.6 10.0





#29

1,1,1-Trichloroethane

Concen: 5.365 ug/L

RT: 4.89 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VU033345.D

Acq: 19 Jul 2019 21:29

Instrument :

MSVOA_U

ClientSampleId :

BFB27

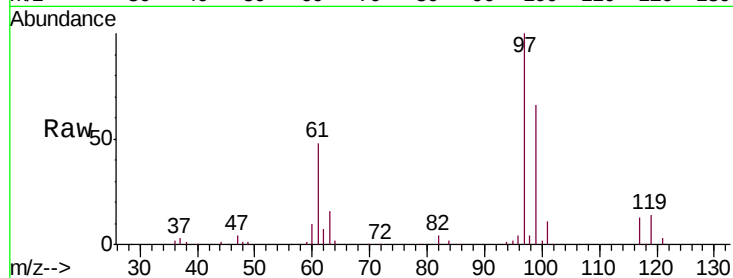
Tgt Ion: 97 Resp: 72369

Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

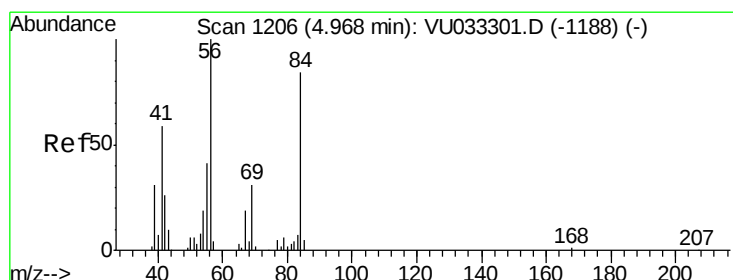
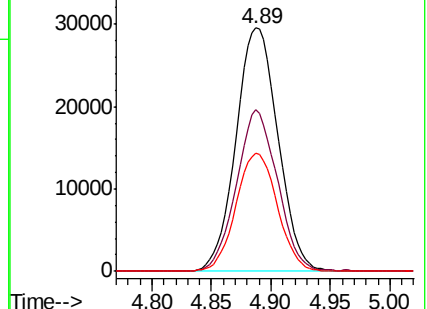
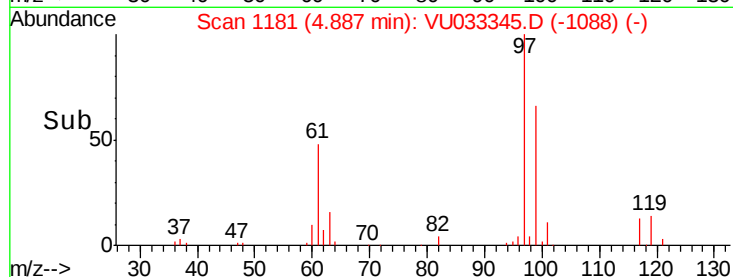
61 47.6 36.2 54.4



Abundance Ion 96.95 (96.65 to 97.65): VU033345.D (-1088) (-)

Ion 99.05 (98.75 to 99.75): VU033345.D (-1088) (-)

Ion 61.05 (60.75 to 61.75): VU033345.D (-1088) (-)



#30

Cyclohexane

Concen: 5.484 ug/L

RT: 4.97 min Scan# 1206

Delta R.T. -0.00 min

Lab File: VU033345.D

Acq: 19 Jul 2019 21:29

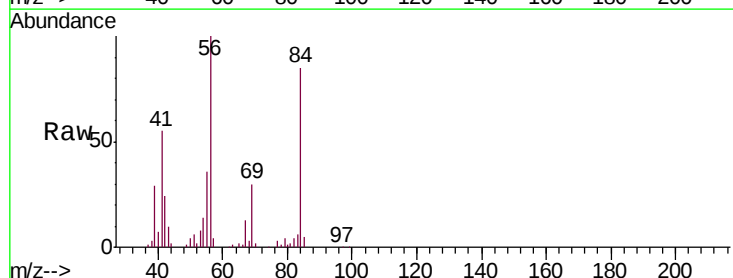
Tgt Ion: 56 Resp: 66427

Ion Ratio Lower Upper

56 100

69 29.5 23.9 35.9

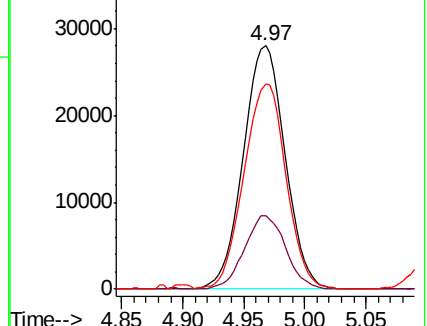
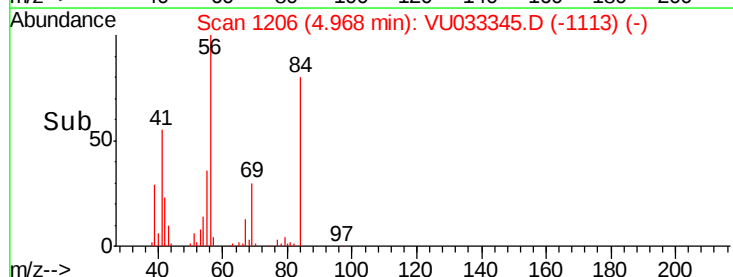
84 85.1 69.5 104.3

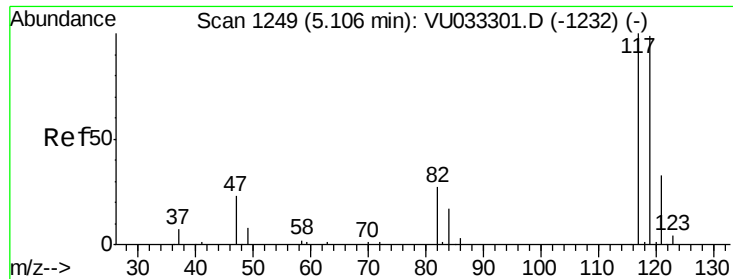


Abundance Ion 56.10 (55.80 to 56.80): VU033345.D (-1113) (-)

Ion 69.15 (68.85 to 69.85): VU033345.D (-1113) (-)

Ion 84.15 (83.85 to 84.85): VU033345.D (-1113) (-)





#31

Carbon tetrachloride

Concen: 5.284 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU033345.D

Acq: 19 Jul 2019 21:29

Instrument :

MSVOA_U

ClientSampleId :

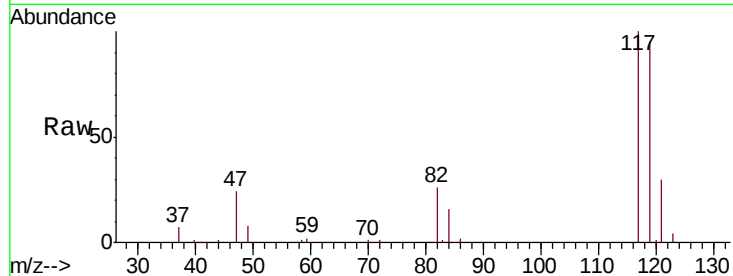
BFB27

Tgt Ion:117 Resp: 62389

Ion Ratio Lower Upper

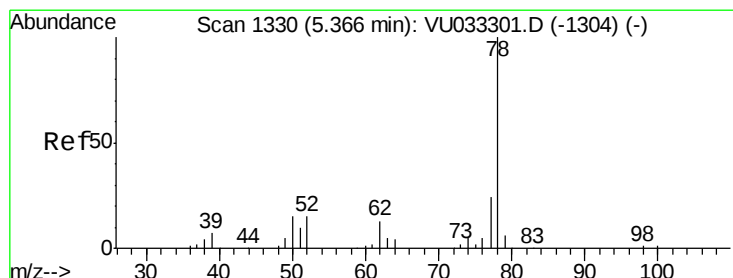
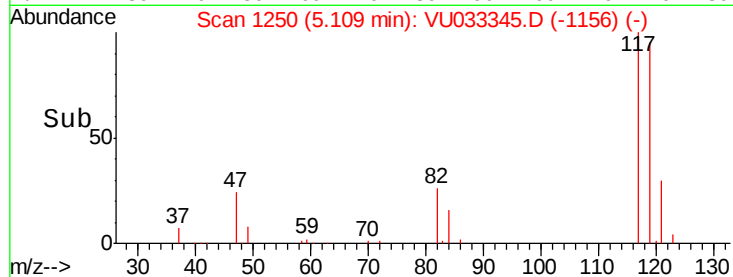
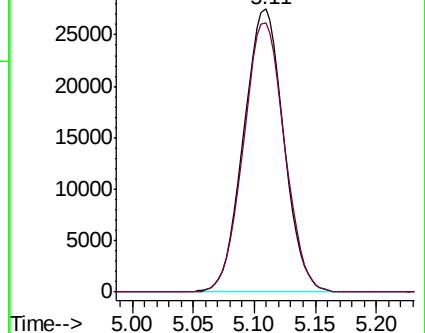
117 100

119 97.6 77.5 116.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.636 ug/L

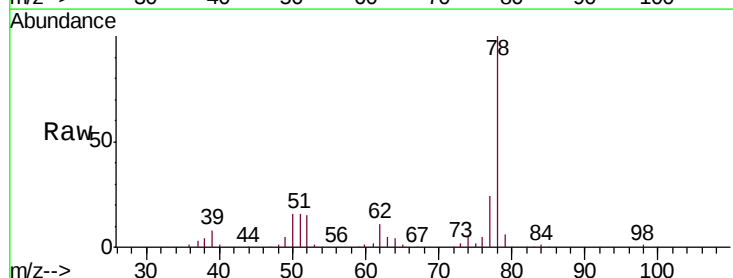
RT: 5.36 min Scan# 1329

Delta R.T. -0.00 min

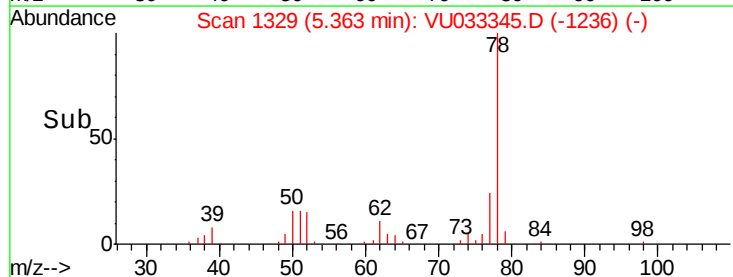
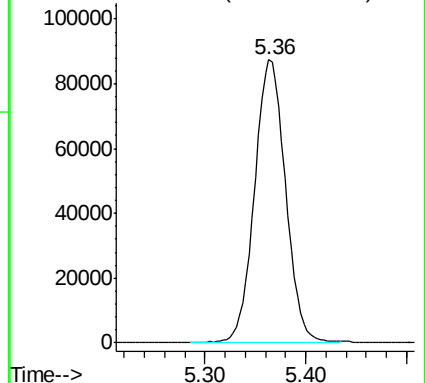
Lab File: VU033345.D

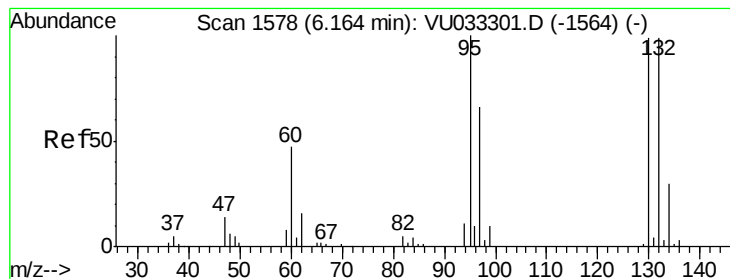
Acq: 19 Jul 2019 21:29

Tgt Ion: 78 Resp: 186396



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.578 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033345.D

Acq: 19 Jul 2019 21:29

Instrument :

MSVOA_U

ClientSampleId :

BFB27

Tgt Ion: 95 Resp: 48812

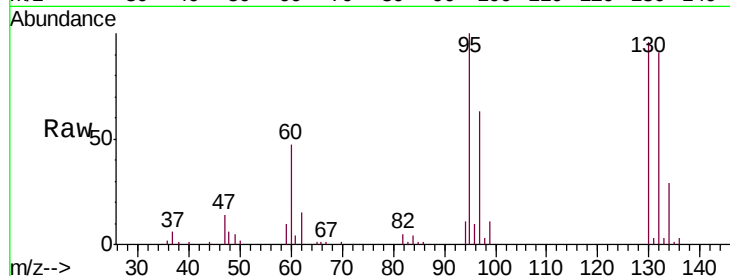
Ion Ratio Lower Upper

95 100

97 62.5 44.5 82.7

132 91.2 66.6 123.8

130 96.1 68.9 127.9

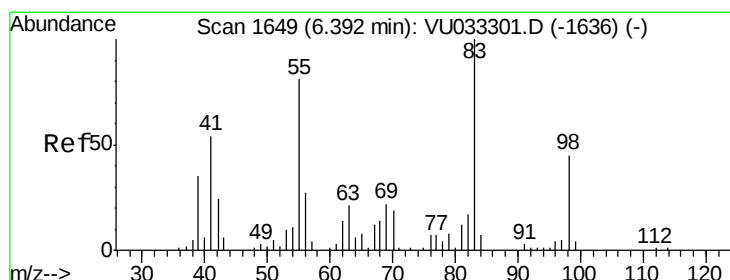
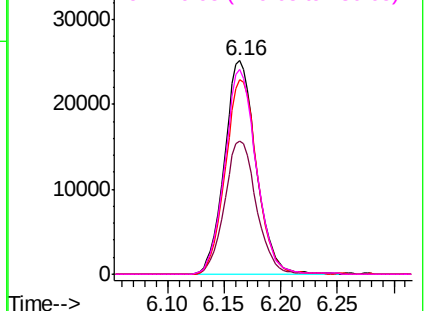
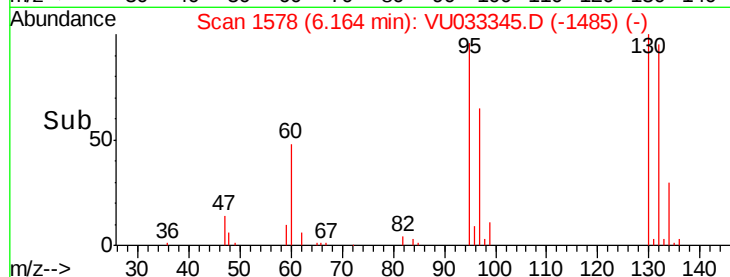


Abundance Ion 95.00 (94.70 to 95.70): VU033345.D (-1485) (-)

Ion 96.95 (96.65 to 97.65): VU033345.D (-1485) (-)

Ion 131.95 (131.65 to 132.65): VU033345.D (-1485) (-)

Ion 129.95 (129.65 to 130.65): VU033345.D (-1485) (-)



#35

Methylcyclohexane

Concen: 5.281 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU033345.D

Acq: 19 Jul 2019 21:29

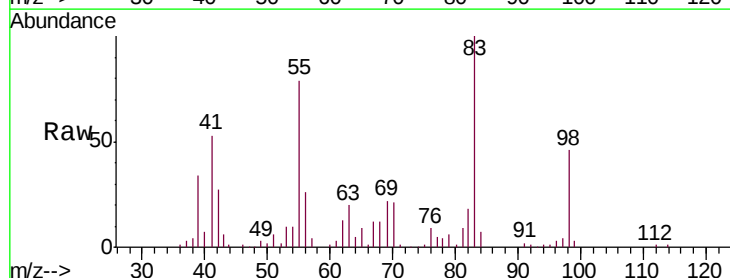
Tgt Ion: 83 Resp: 69639

Ion Ratio Lower Upper

83 100

55 80.3 62.6 94.0

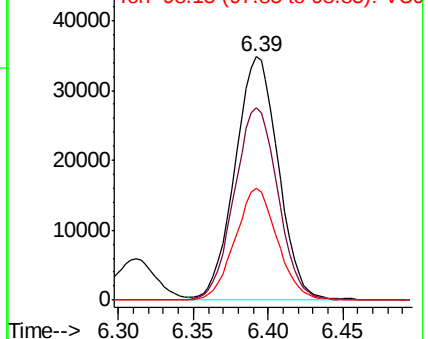
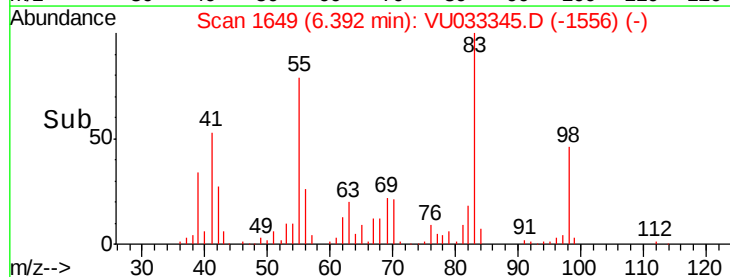
98 45.3 36.2 54.2

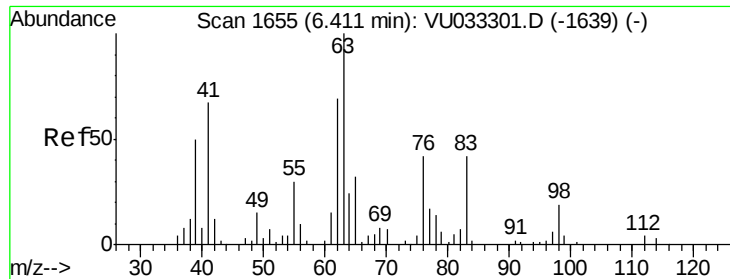


Abundance Ion 83.15 (82.85 to 83.85): VU033345.D (-1556) (-)

Ion 55.10 (54.80 to 55.80): VU033345.D (-1556) (-)

Ion 98.15 (97.85 to 98.85): VU033345.D (-1556) (-)

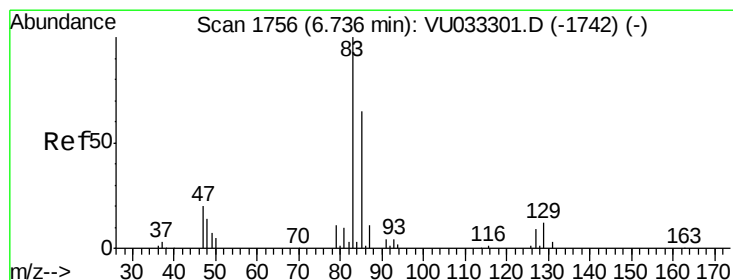
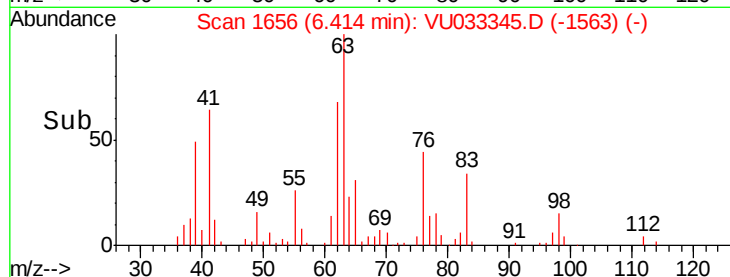
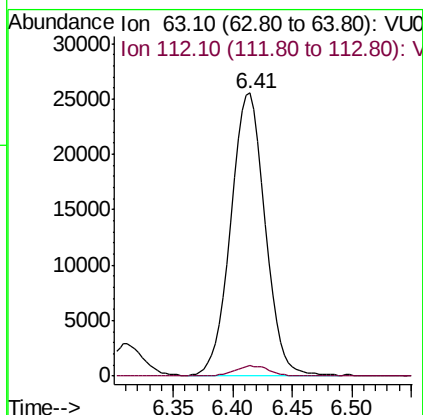
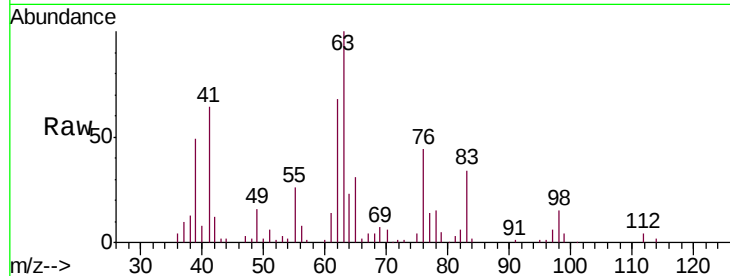




#37
 1,2-Dichloropropane
 Concen: 5.740 ug/L
 RT: 6.41 min Scan# 1656
 Delta R.T. -0.00 min
 Lab File: VU033345.D
 Acq: 19 Jul 2019 21:29

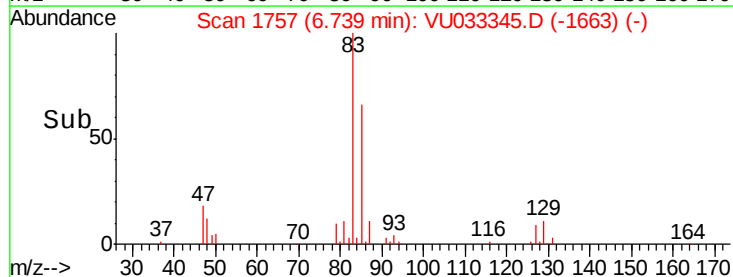
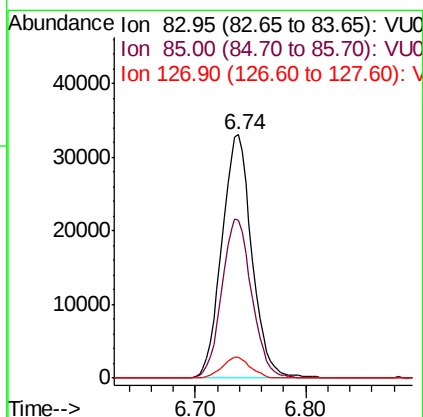
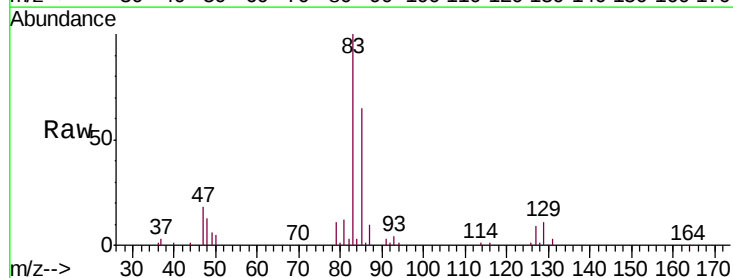
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB27

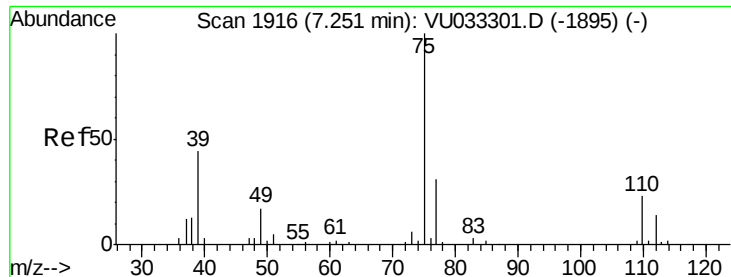
Tgt Ion: 63 Resp: 51332
 Ion Ratio Lower Upper
 63 100
 112 3.6 3.1 4.7



#38
 Bromodichloromethane
 Concen: 5.462 ug/L
 RT: 6.74 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VU033345.D
 Acq: 19 Jul 2019 21:29

Tgt Ion: 83 Resp: 62312
 Ion Ratio Lower Upper
 83 100
 85 65.0 44.0 81.8
 127 8.7 7.0 10.4

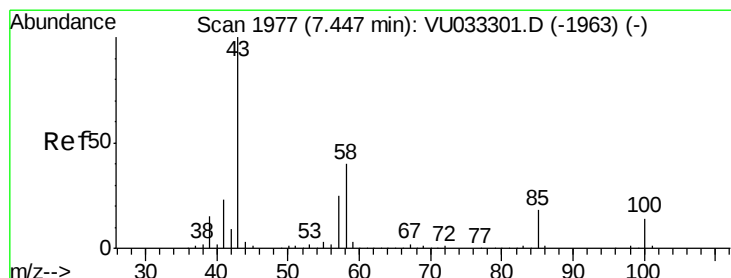
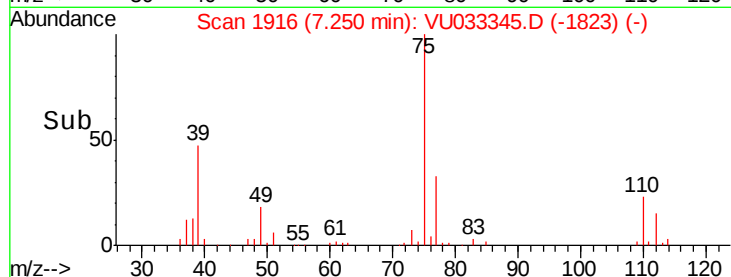
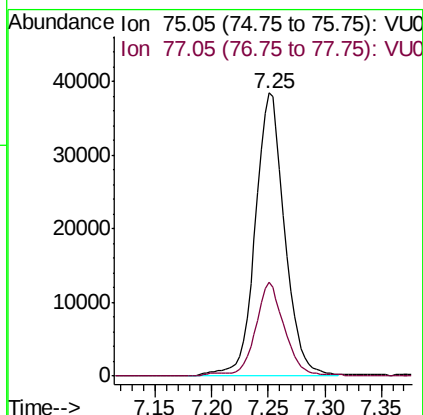
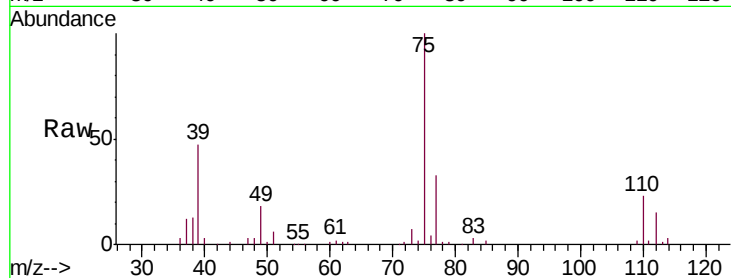




#39
 cis-1,3-Dichloropropene
 Concen: 5.448 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VU033345.D
 Acq: 19 Jul 2019 21:29

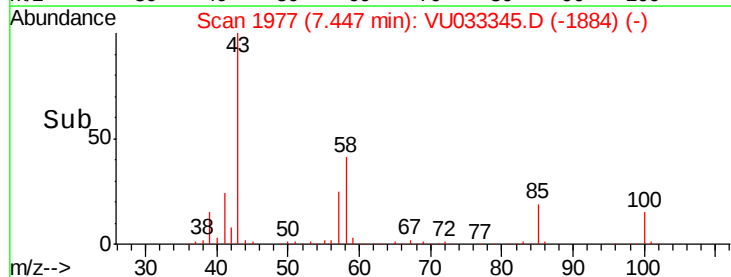
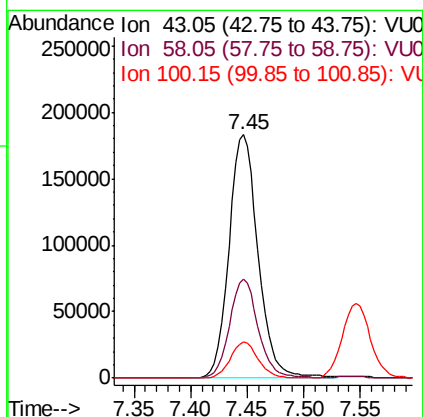
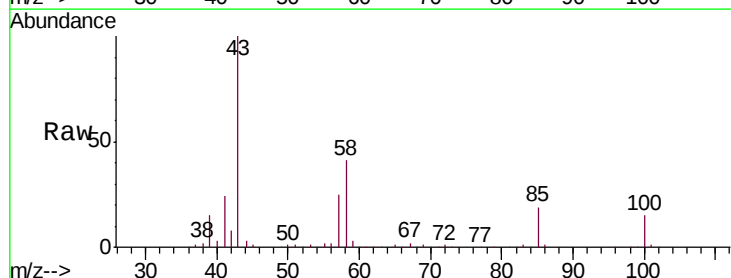
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB27

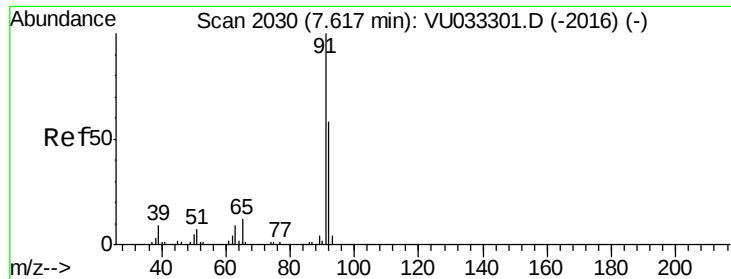
Tgt Ion: 75 Resp: 69504
 Ion Ratio Lower Upper
 75 100
 77 33.0 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 63.948 ug/L
 RT: 7.45 min Scan# 1977
 Delta R.T. -0.00 min
 Lab File: VU033345.D
 Acq: 19 Jul 2019 21:29

Tgt Ion: 43 Resp: 327709
 Ion Ratio Lower Upper
 43 100
 58 40.0 32.4 48.6
 100 14.3 11.9 17.9





#42

Toluene

Concen: 5.628 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU033345.D

Acq: 19 Jul 2019 21:29

Instrument :

MSVOA_U

ClientSampleId :

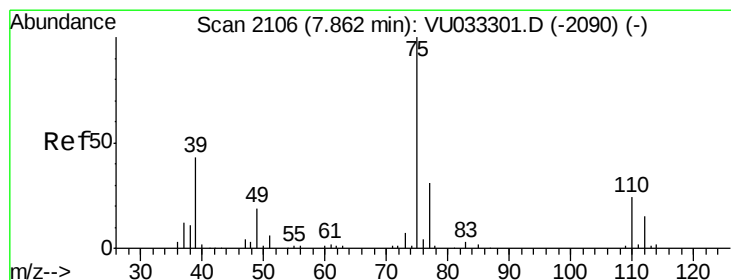
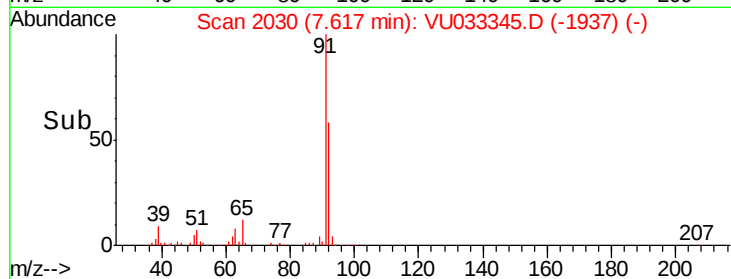
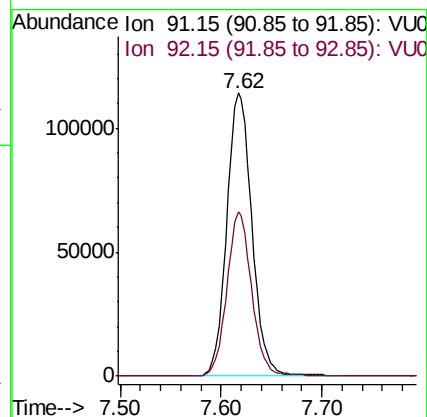
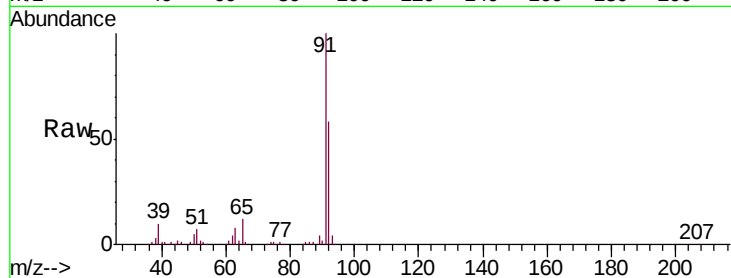
BFB27

Tgt Ion: 91 Resp: 199812

Ion Ratio Lower Upper

91 100

92 57.9 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 5.491 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU033345.D

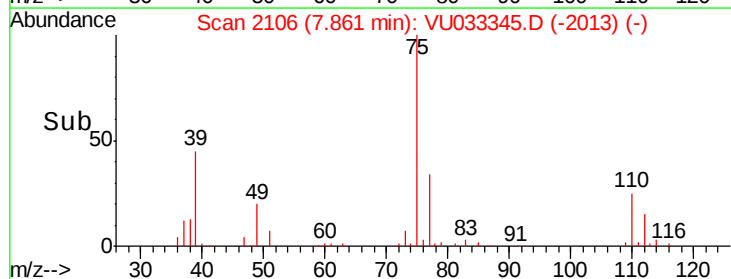
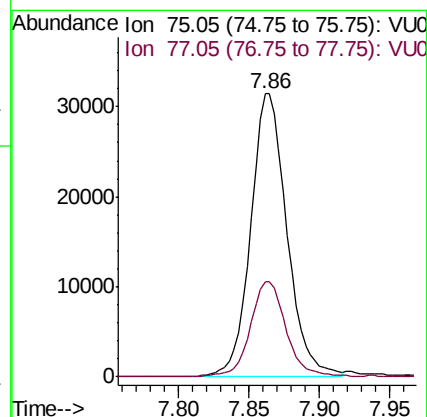
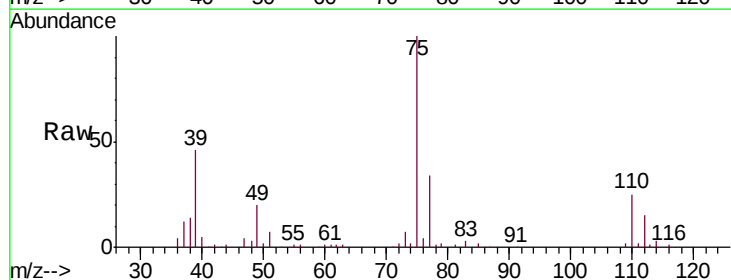
Acq: 19 Jul 2019 21:29

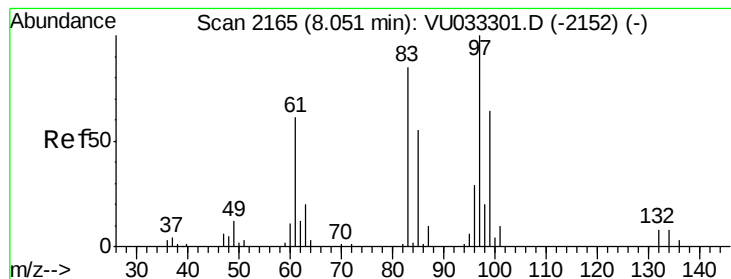
Tgt Ion: 75 Resp: 56646

Ion Ratio Lower Upper

75 100

77 33.6 21.6 40.0





#45

1,1,2-Trichloroethane

Concen: 5.643 ug/L

RT: 8.05 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VU033345.D

Acq: 19 Jul 2019 21:29

Instrument :

MSVOA_U

ClientSampleId :

BFB27

Tgt Ion: 97 Resp: 36084

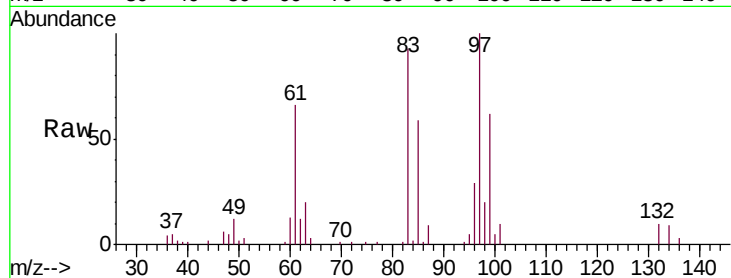
Ion Ratio Lower Upper

97 100

99 62.4 42.3 78.5

83 92.8 58.0 107.6

85 59.0 37.8 70.2

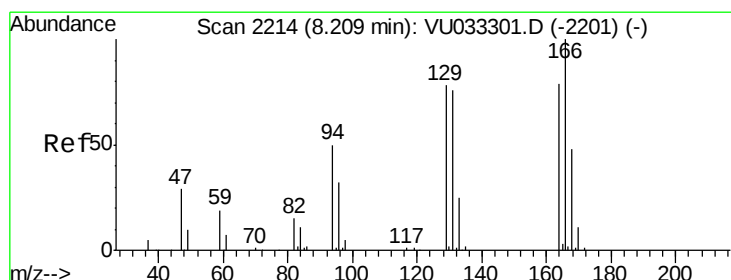
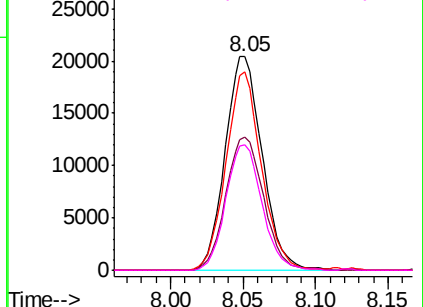
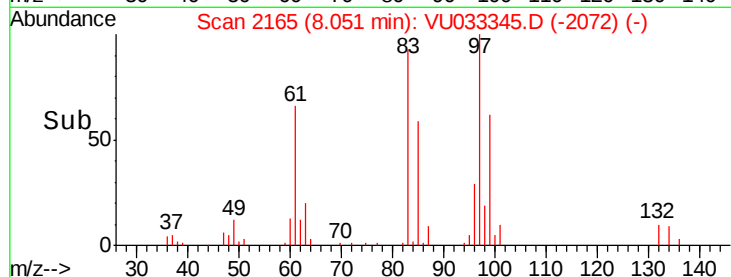


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 5.135 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VU033345.D

Acq: 19 Jul 2019 21:29

Tgt Ion: 164 Resp: 36011

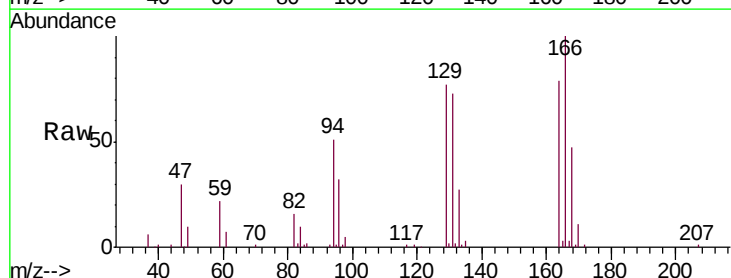
Ion Ratio Lower Upper

164 100

129 97.6 68.5 127.1

131 92.7 67.3 124.9

166 126.4 93.1 172.9

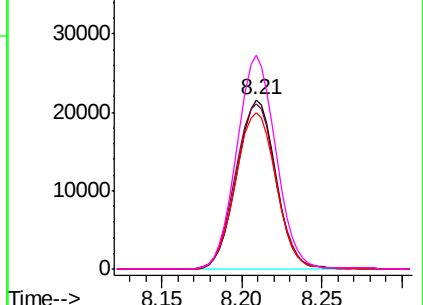
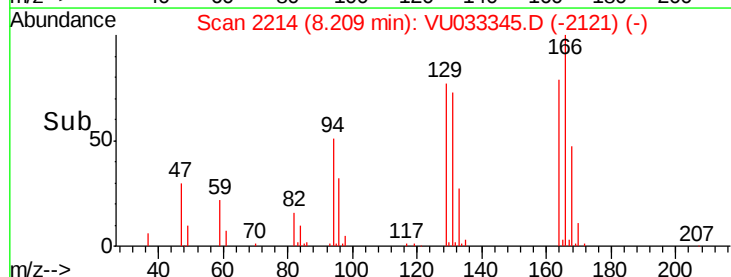


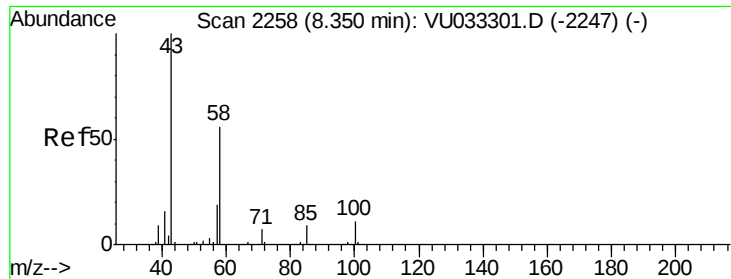
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

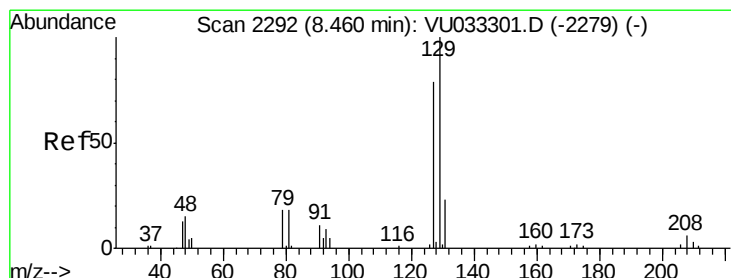
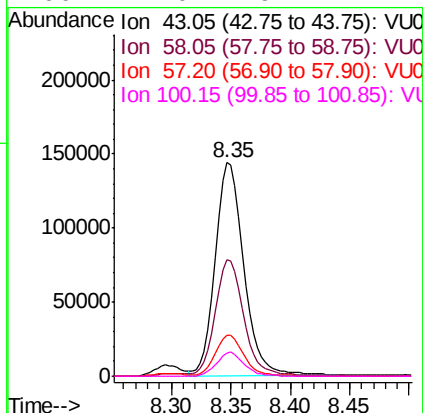
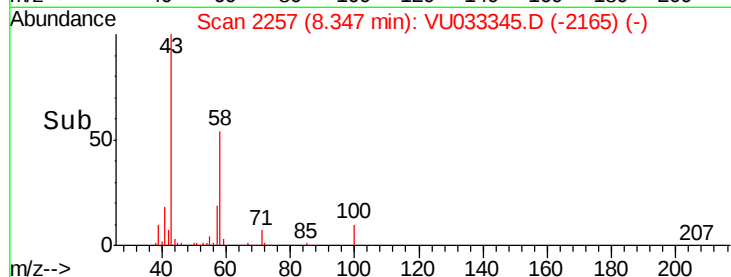
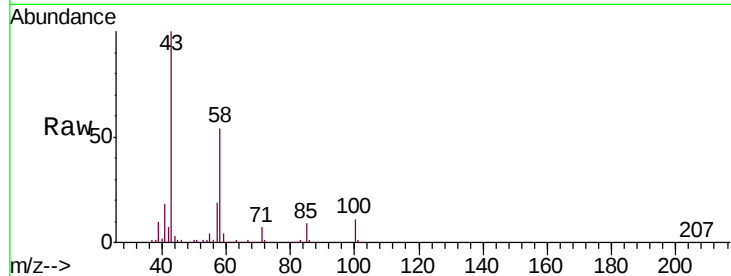




#48
2-Hexanone
Concen: 63.937 ug/L
RT: 8.35 min Scan# 2257
Delta R.T. -0.00 min
Lab File: VU033345.D
Acq: 19 Jul 2019 21:29

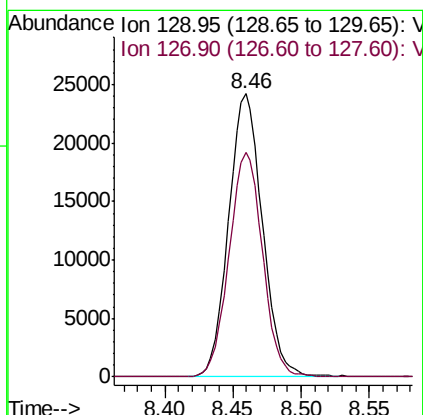
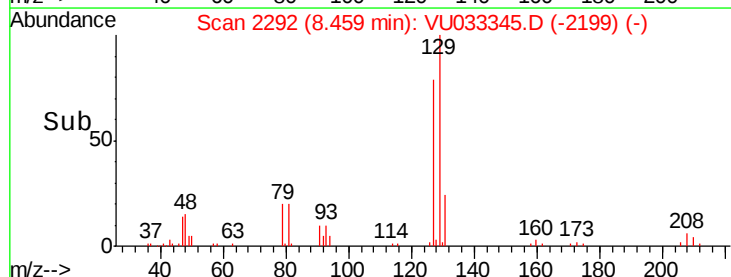
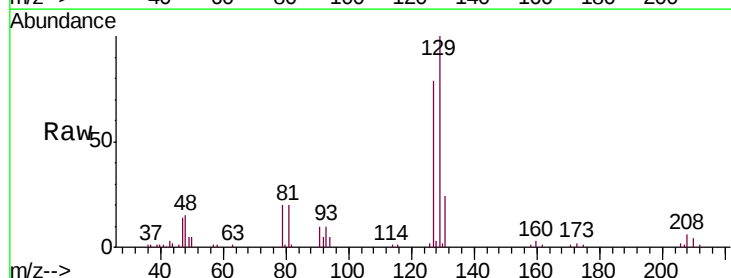
Instrument :
MSVOA_U
ClientSampleId :
BFB27

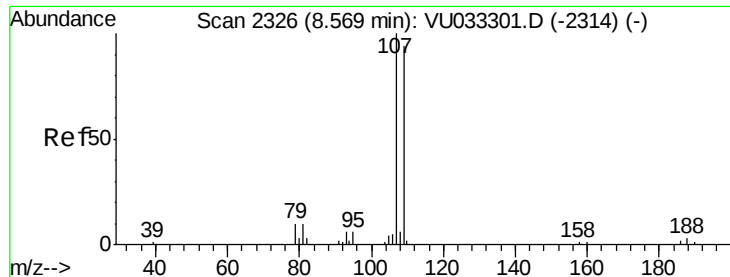
Tgt Ion: 43 Resp: 239646
Ion Ratio Lower Upper
43 100
58 54.9 44.1 66.1
57 19.2 15.8 23.8
100 11.0 9.4 14.2



#49
Dibromochloromethane
Concen: 5.412 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU033345.D
Acq: 19 Jul 2019 21:29

Tgt Ion: 129 Resp: 41683
Ion Ratio Lower Upper
129 100
127 79.1 51.9 96.5

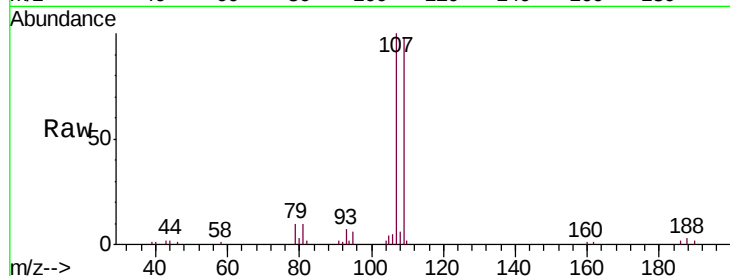




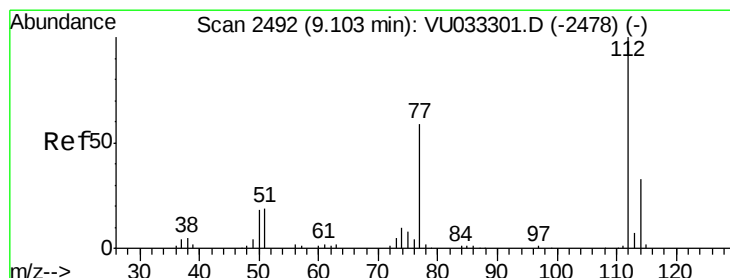
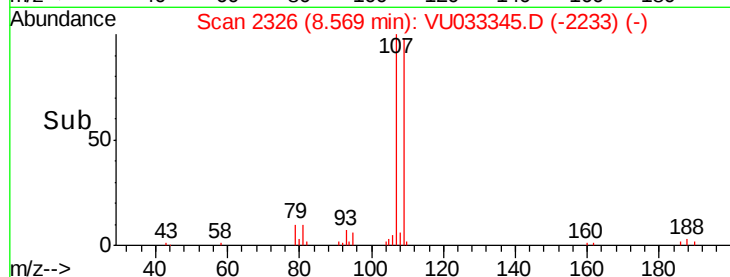
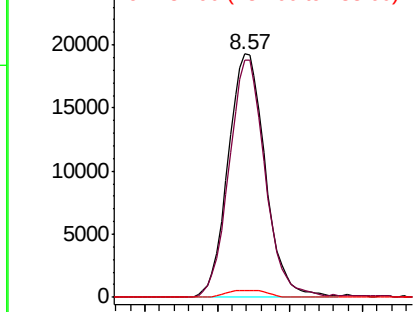
#50
1,2-Dibromoethane
Concen: 5.589 ug/L
RT: 8.57 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VU033345.D
Acq: 19 Jul 2019 21:29

Instrument :
MSVOA_U
ClientSampleId :
BFB27

Tgt Ion:107 Resp: 34309
Ion Ratio Lower Upper
107 100
109 97.6 64.8 120.4
188 2.9 3.0 4.6#

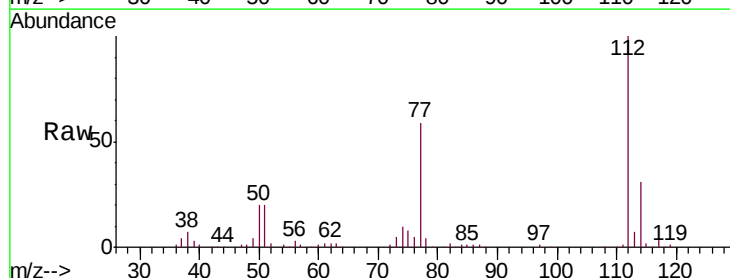


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

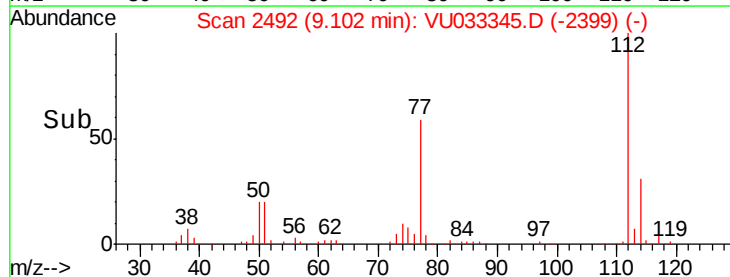
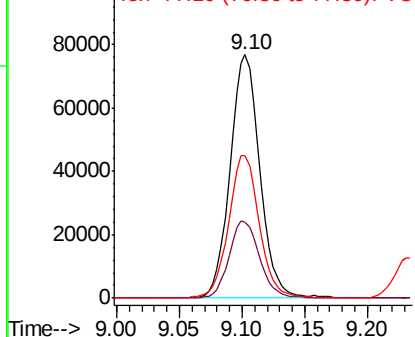


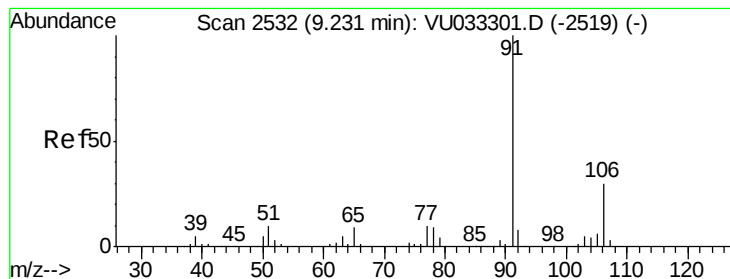
#51
Chlorobenzene
Concen: 5.433 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. -0.00 min
Lab File: VU033345.D
Acq: 19 Jul 2019 21:29

Tgt Ion:112 Resp: 126617
Ion Ratio Lower Upper
112 100
114 31.4 22.1 41.1
77 58.7 46.9 70.3



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): VU





#52

Ethylbenzene

Concen: 5.584 ug/L

RT: 9.23 min Scan# 2533

Delta R.T. -0.00 min

Lab File: VU033345.D

Acq: 19 Jul 2019 21:29

Instrument :

MSVOA_U

ClientSampleId :

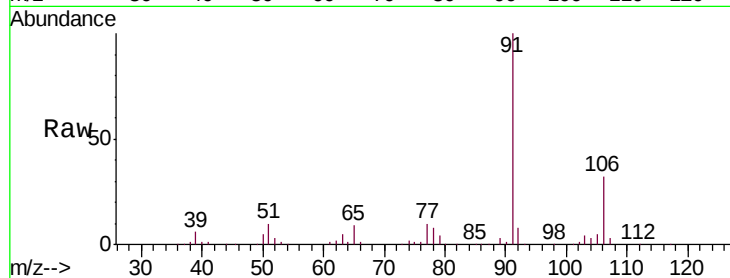
BFB27

Tgt Ion: 91 Resp: 211661

Ion Ratio Lower Upper

91 100

106 31.7 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VU033301.D (-2519) (-)

Ion 106.15 (105.85 to 106.85): VU033301.D (-2519) (-)

9.23

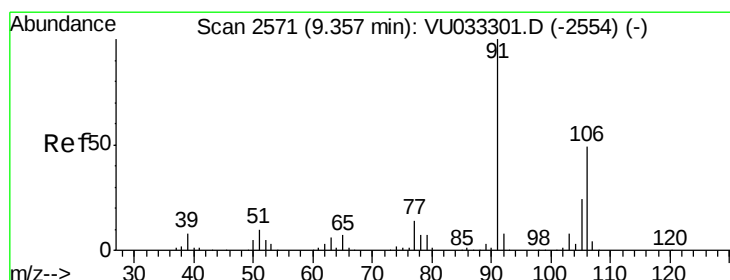
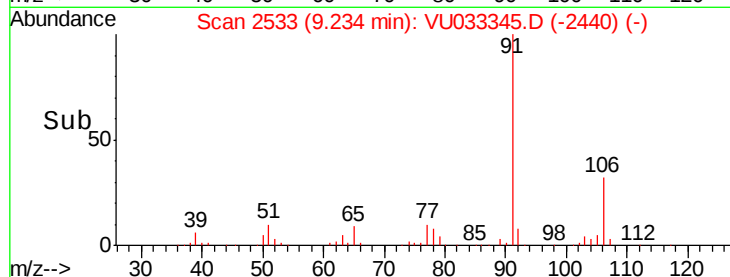
150000

100000

50000

0

Time--> 9.15 9.20 9.25 9.30



#53

m,p-Xylene

Concen: 5.748 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. -0.00 min

Lab File: VU033345.D

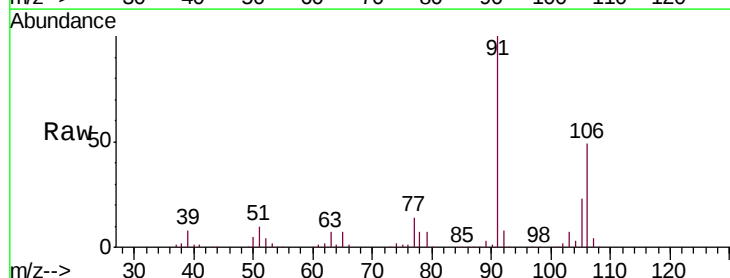
Acq: 19 Jul 2019 21:29

Tgt Ion: 106 Resp: 82304

Ion Ratio Lower Upper

106 100

91 203.3 147.6 274.0



Abundance Ion 106.15 (105.85 to 106.85): VU033301.D (-2554) (-)

Ion 91.15 (90.85 to 91.85): VU033301.D (-2554) (-)

9.36

100000

80000

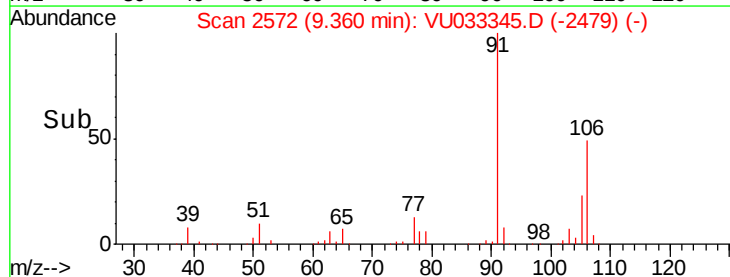
60000

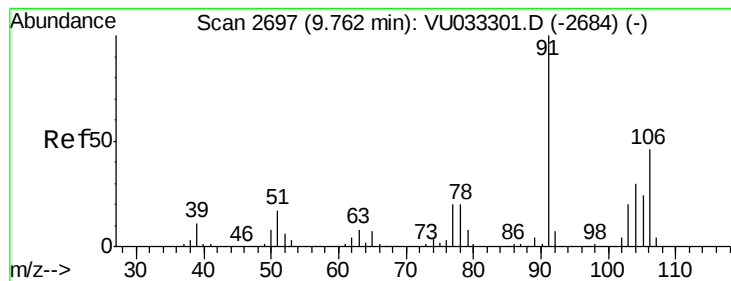
40000

20000

0

Time--> 9.30 9.40





#54

o-Xylene

Concen: 5.912 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. -0.00 min

Lab File: VU033345.D

Acq: 19 Jul 2019 21:29

Instrument :

MSVOA_U

ClientSampleId :

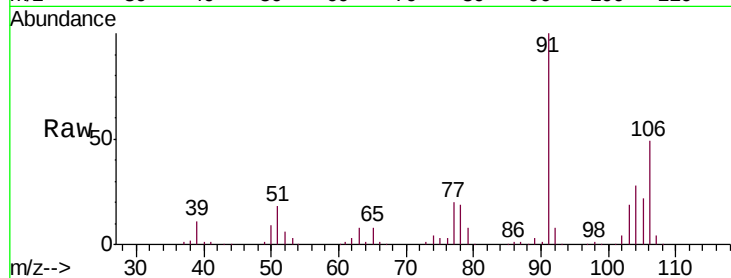
BFB27

Tgt Ion:106 Resp: 80702

Ion Ratio Lower Upper

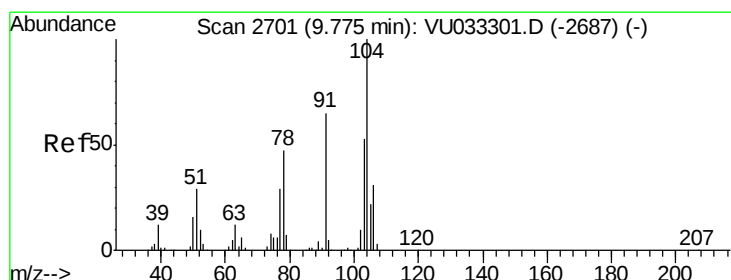
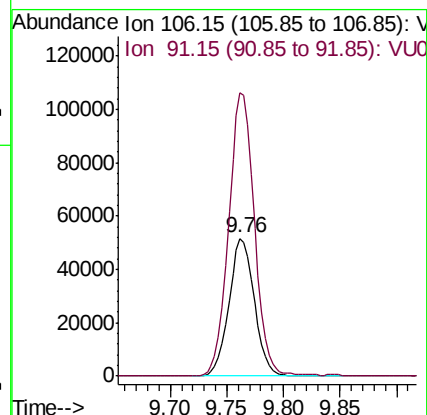
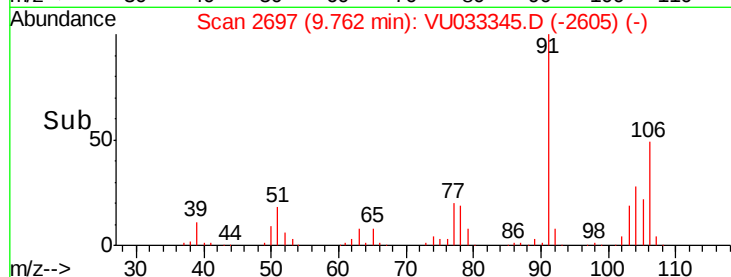
106 100

91 205.9 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.692 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU033345.D

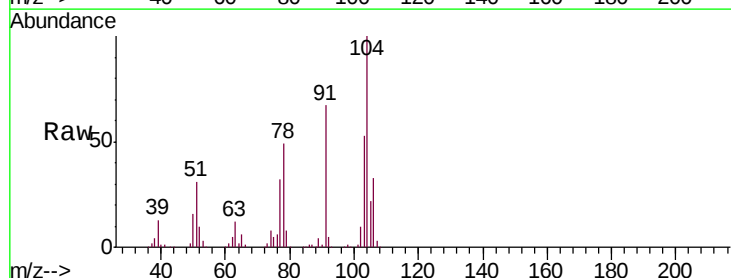
Acq: 19 Jul 2019 21:29

Tgt Ion:104 Resp: 135397

Ion Ratio Lower Upper

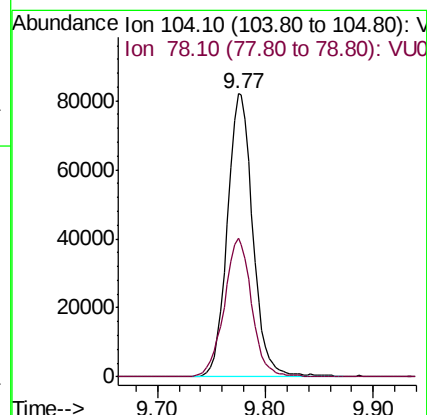
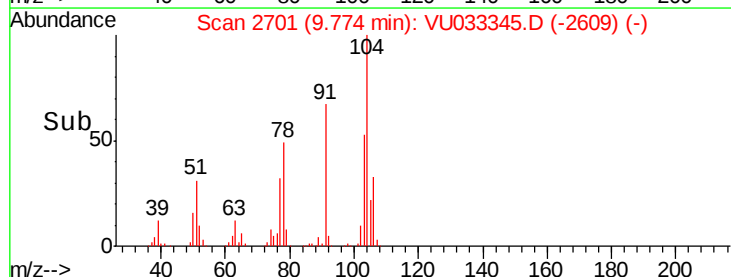
104 100

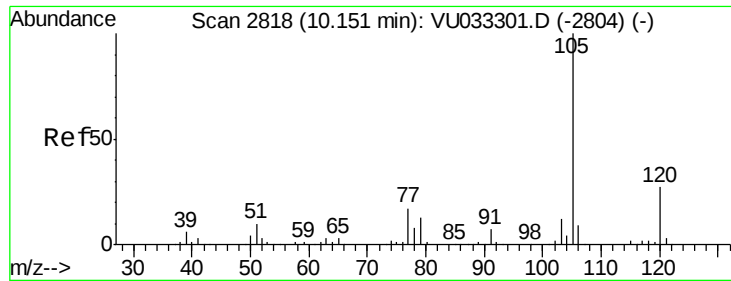
78 48.8 32.8 60.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.676 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. -0.00 min

Lab File: VU033345.D

Acq: 19 Jul 2019 21:29

Instrument :

MSVOA_U

ClientSampleId :

BFB27

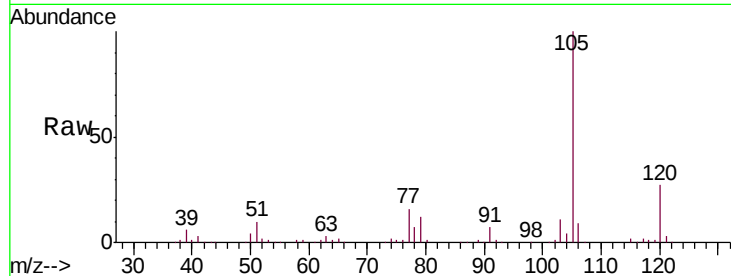
Tgt Ion: 105 Resp: 205987

Ion Ratio Lower Upper

105 100

120 26.3 21.3 31.9

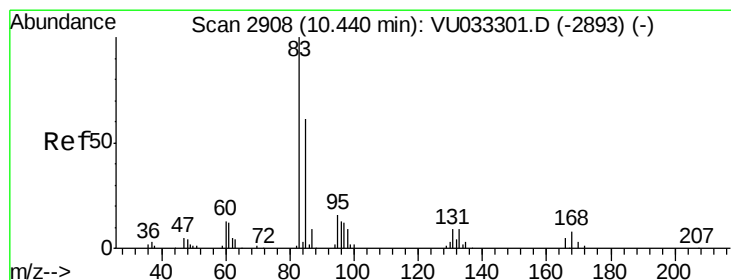
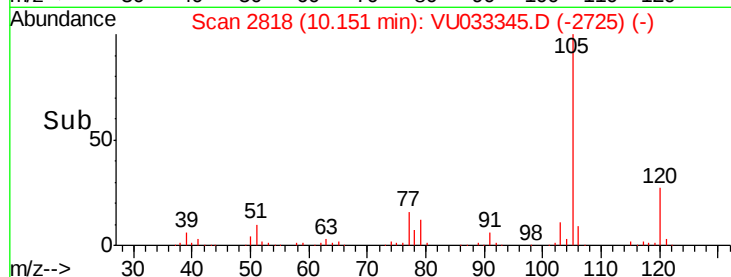
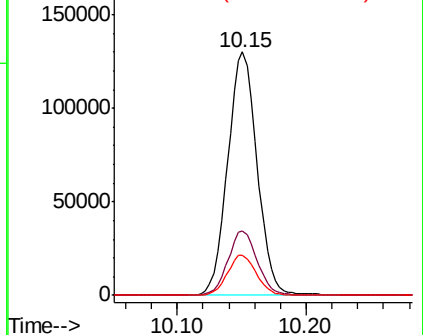
77 16.4 13.0 19.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.895 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU033345.D

Acq: 19 Jul 2019 21:29

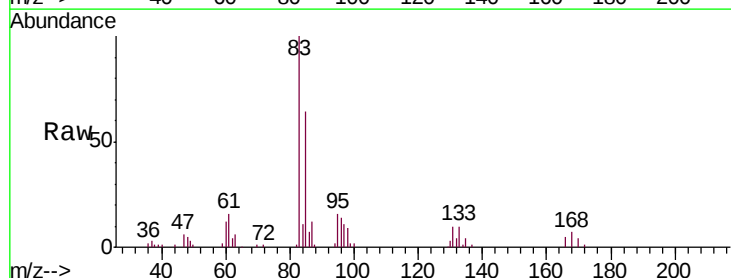
Tgt Ion: 83 Resp: 48258

Ion Ratio Lower Upper

83 100

85 63.8 44.6 82.8

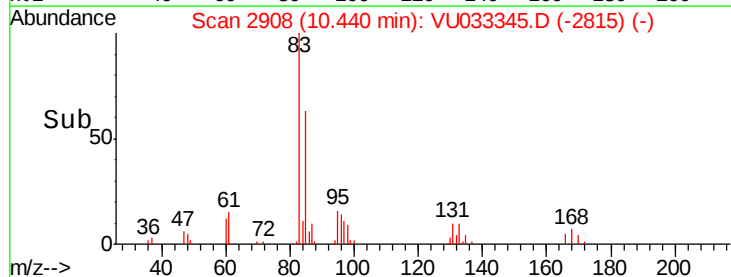
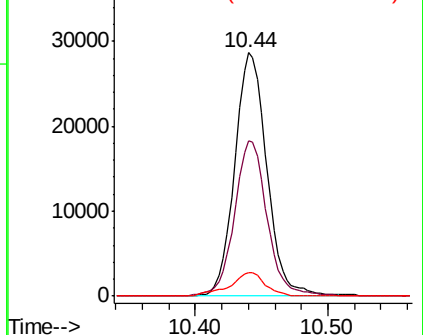
131 9.8 7.4 11.2

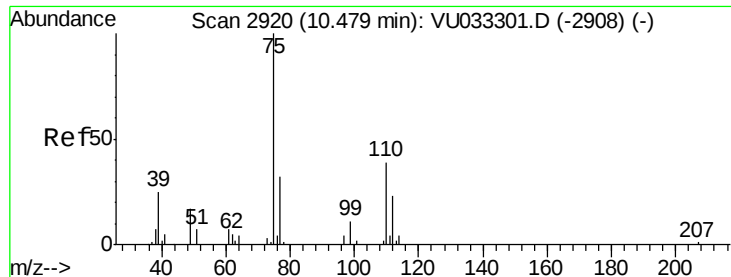


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

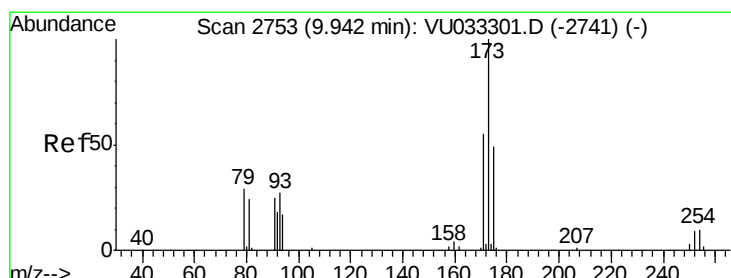
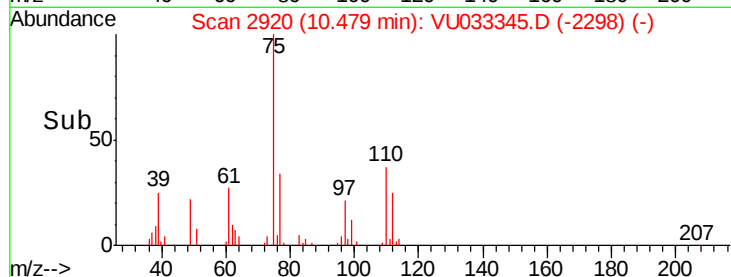
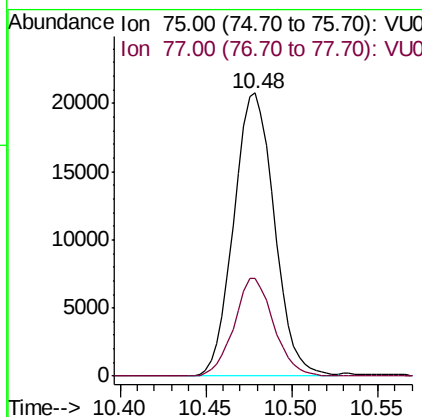
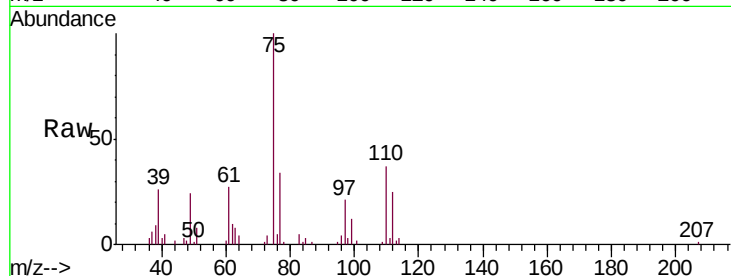




#59
 1,2,3-Trichloropropane
 Concen: 5.852 ug/L
 RT: 10.48 min Scan# 2920
 Delta R.T. -0.00 min
 Lab File: VU033345.D
 Acq: 19 Jul 2019 21:29

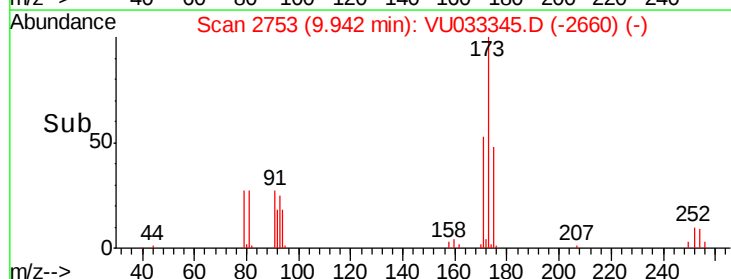
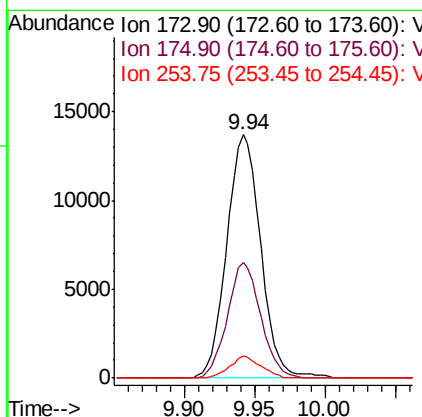
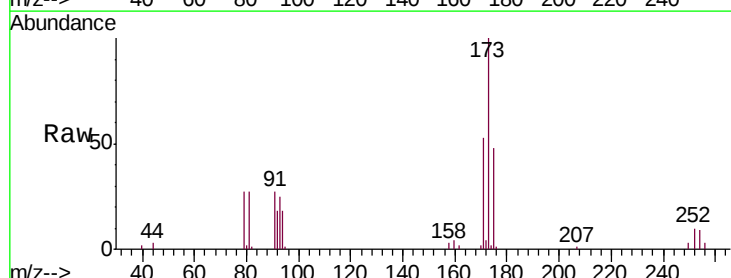
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB27

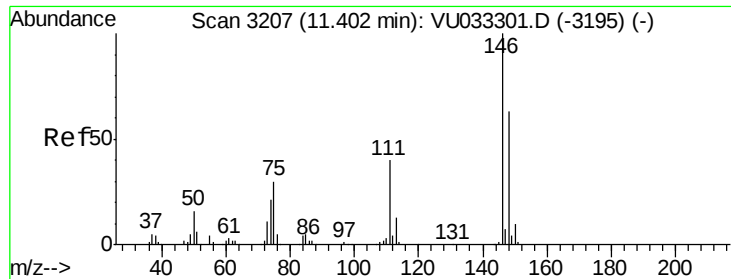
Tgt Ion: 75 Resp: 34125
 Ion Ratio Lower Upper
 75 100
 77 33.4 26.5 39.7



#61
 Bromoform
 Concen: 5.703 ug/L
 RT: 9.94 min Scan# 2753
 Delta R.T. -0.00 min
 Lab File: VU033345.D
 Acq: 19 Jul 2019 21:29

Tgt Ion: 173 Resp: 23073
 Ion Ratio Lower Upper
 173 100
 175 46.6 37.2 55.8
 254 8.2 6.6 9.8





#62

1,3-Dichlorobenzene

Concen: 5.444 ug/L

RT: 11.40 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU033345.D

Acq: 19 Jul 2019 21:29

Instrument :

MSVOA_U

ClientSampleId :

BFB27

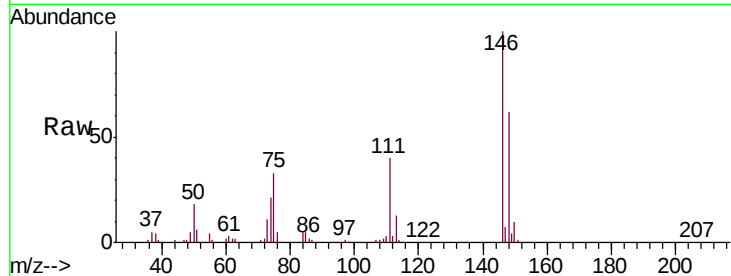
Tgt Ion:146 Resp: 95701

Ion Ratio Lower Upper

146 100

111 40.1 28.6 53.2

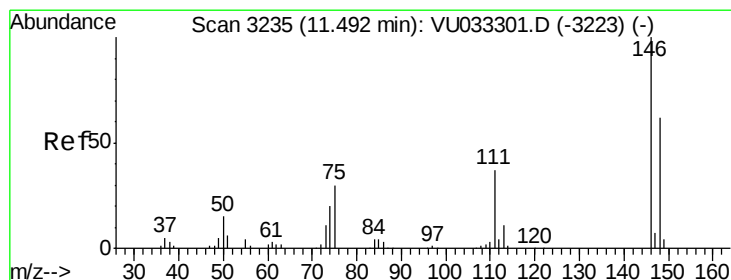
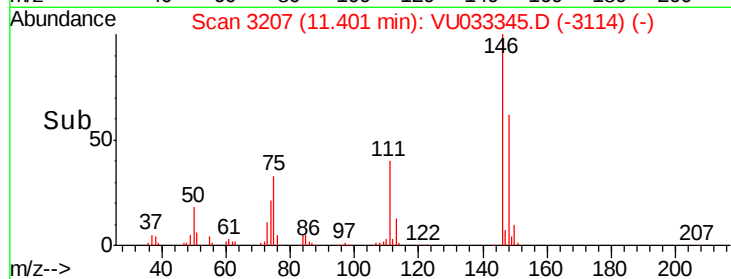
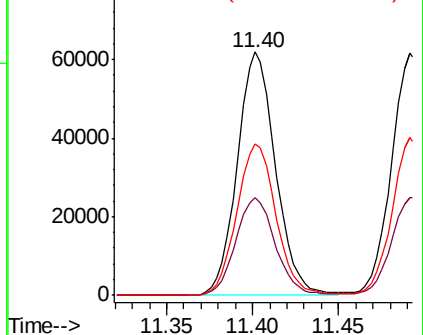
148 62.4 45.0 83.6



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: 5.390 ug/L

RT: 11.49 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU033345.D

Acq: 19 Jul 2019 21:29

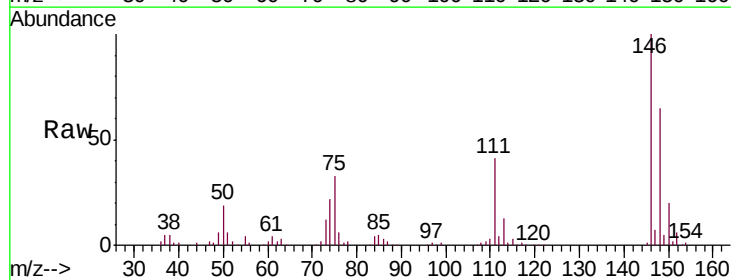
Tgt Ion:146 Resp: 99792

Ion Ratio Lower Upper

146 100

111 40.6 27.9 51.7

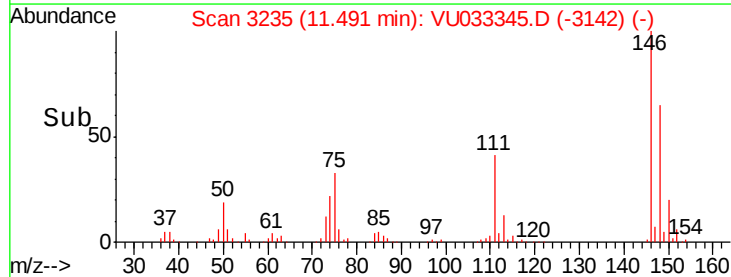
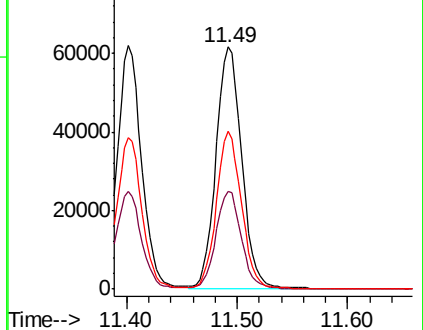
148 65.0 44.1 81.9

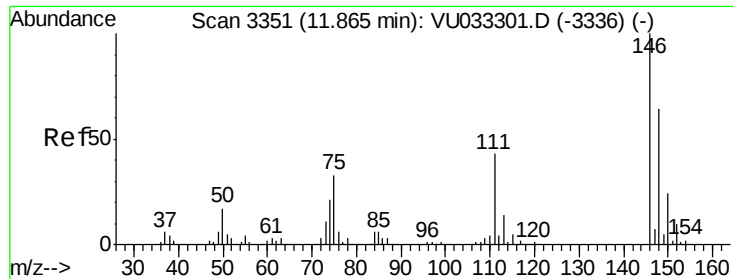


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.456 ug/L

RT: 11.86 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VU033345.D

Acq: 19 Jul 2019 21:29

Instrument :

MSVOA_U

ClientSampleId :

BFB27

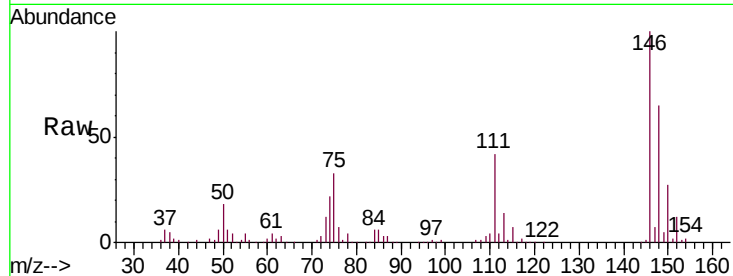
Tgt Ion:146 Resp: 95221

Ion Ratio Lower Upper

146 100

111 42.3 34.2 51.4

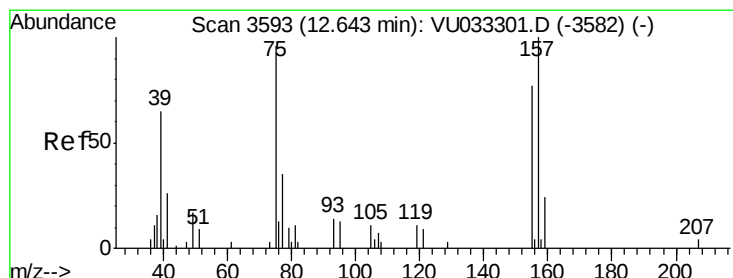
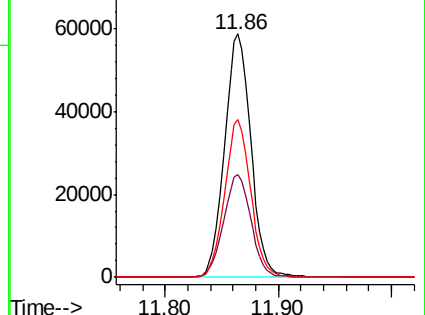
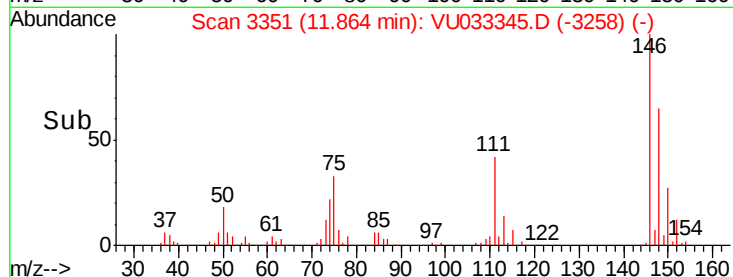
148 64.7 52.0 78.0



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



#66

1,2-Dibromo-3-chloropropane

Concen: 6.013 ug/L

RT: 12.64 min Scan# 3593

Delta R.T. -0.00 min

Lab File: VU033345.D

Acq: 19 Jul 2019 21:29

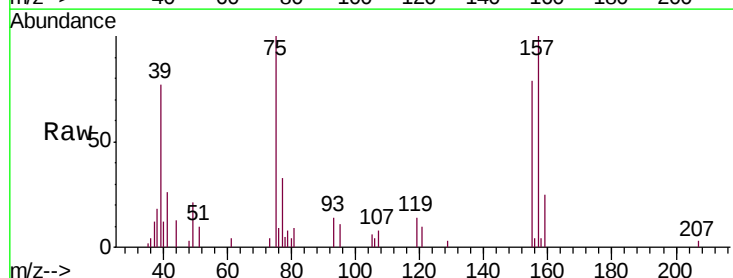
Tgt Ion: 75 Resp: 7942

Ion Ratio Lower Upper

75 100

155 79.0 67.1 100.7

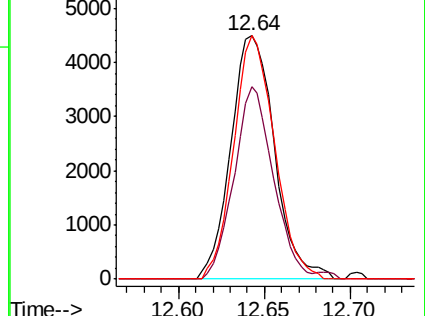
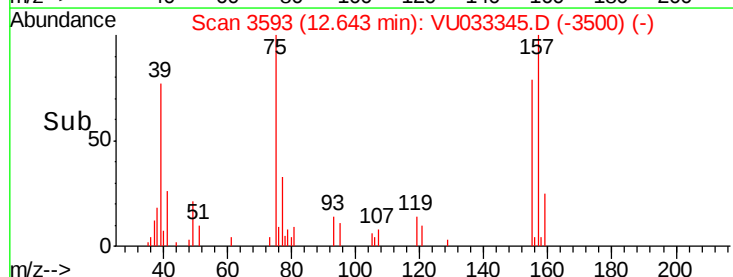
157 99.9 83.7 125.5

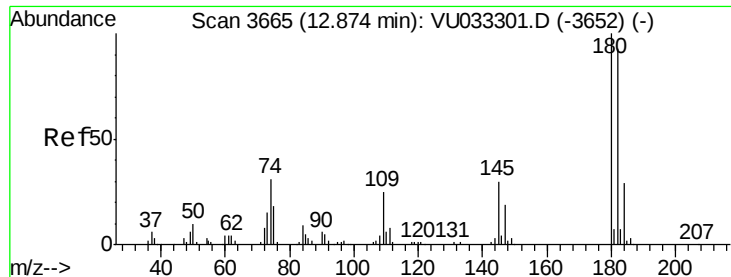


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V





#67

1,3,5-Trichlorobenzene

Concen: 5.239 ug/L

RT: 12.87 min Scan# 3665

Delta R.T. -0.00 min

Lab File: VU033345.D

Acq: 19 Jul 2019 21:29

Instrument :

MSVOA_U

ClientSampleId :

BFB27

Tgt Ion:180 Resp: 72372

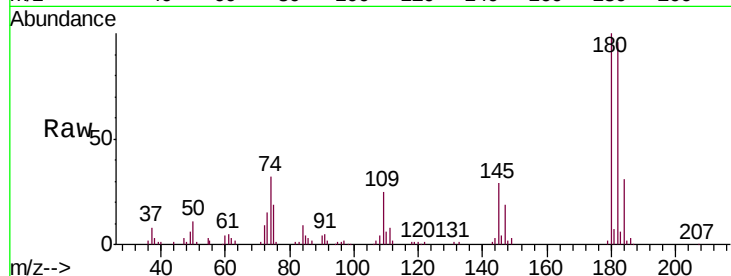
Ion Ratio Lower Upper

180 100

182 95.0 76.0 114.0

184 30.6 24.2 36.2

145 29.8 24.6 37.0

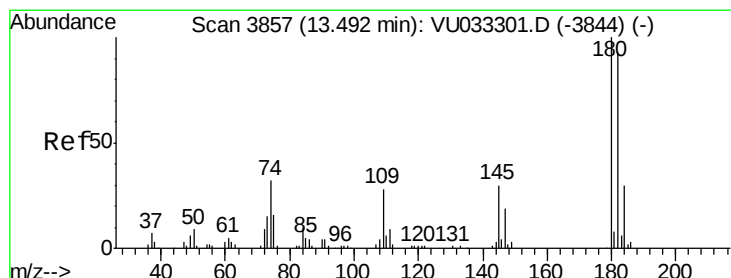
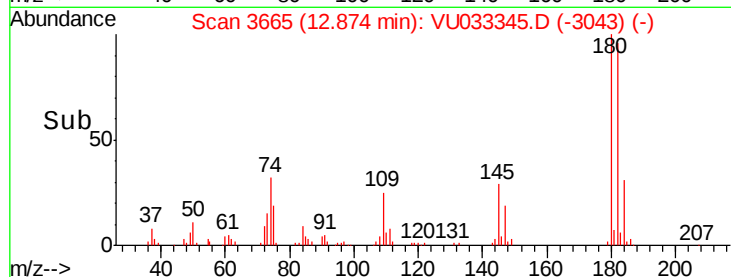
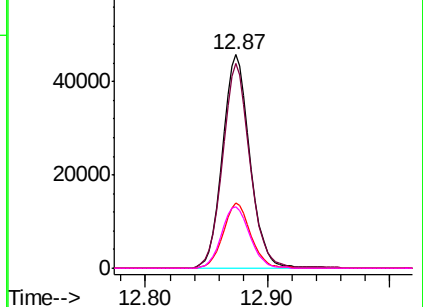


Abundance Ion 180.00 (179.70 to 180.70): V

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: 5.332 ug/L

RT: 13.49 min Scan# 3857

Delta R.T. -0.00 min

Lab File: VU033345.D

Acq: 19 Jul 2019 21:29

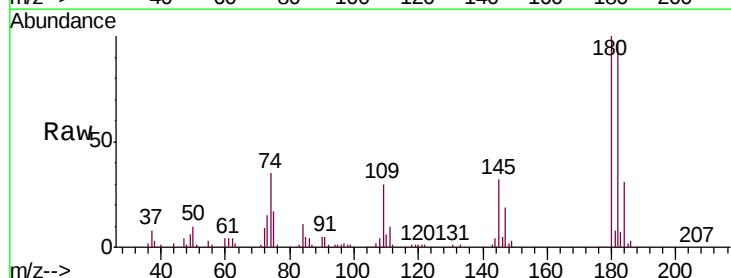
Tgt Ion:180 Resp: 59496

Ion Ratio Lower Upper

180 100

182 97.2 77.3 115.9

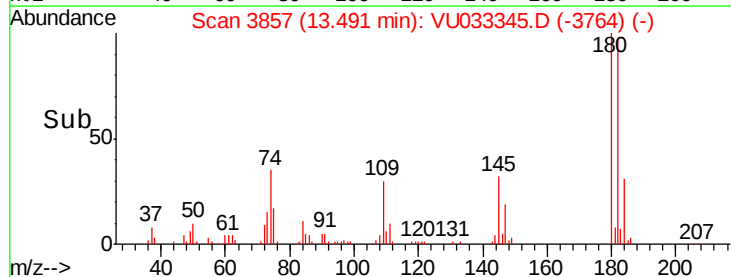
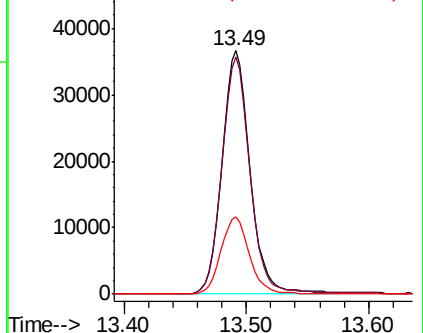
145 32.1 24.5 36.7

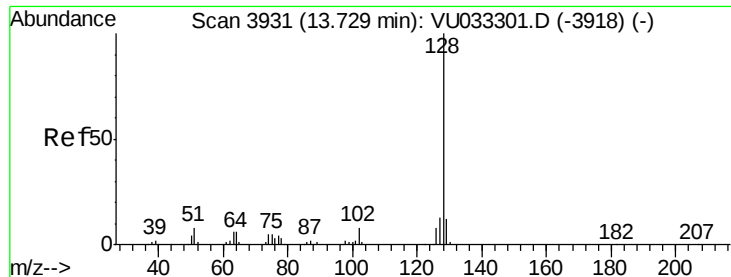


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.704 ug/L

RT: 13.73 min Scan# 3931

Delta R.T. -0.00 min

Lab File: VU033345.D

Acq: 19 Jul 2019 21:29

Instrument :

MSVOA_U

ClientSampleId :

BFB27

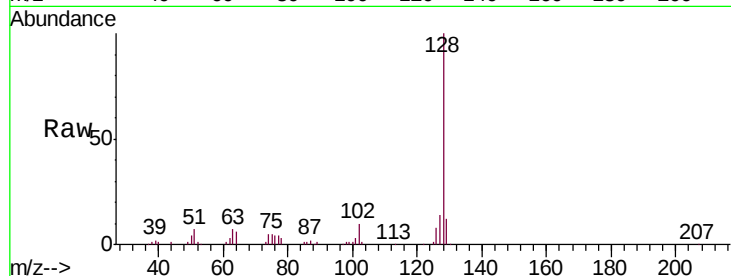
Tgt Ion:128 Resp: 107822

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

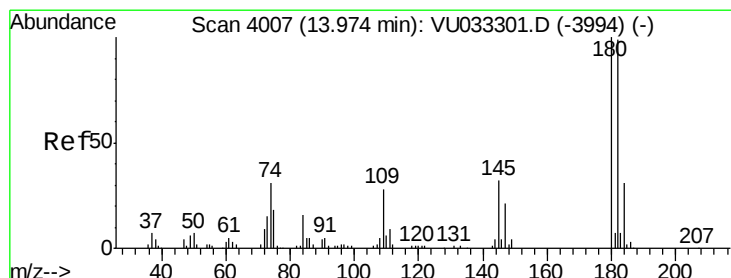
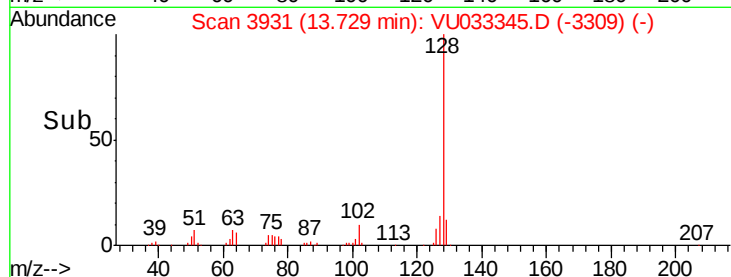
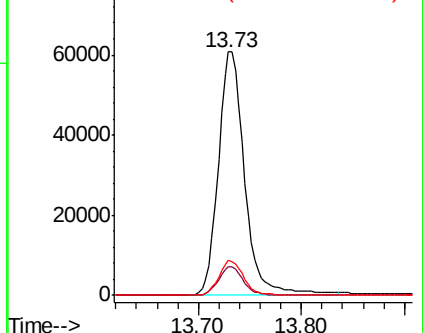
127 13.7 10.6 15.8



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: 5.532 ug/L

RT: 13.97 min Scan# 4007

Delta R.T. -0.00 min

Lab File: VU033345.D

Acq: 19 Jul 2019 21:29

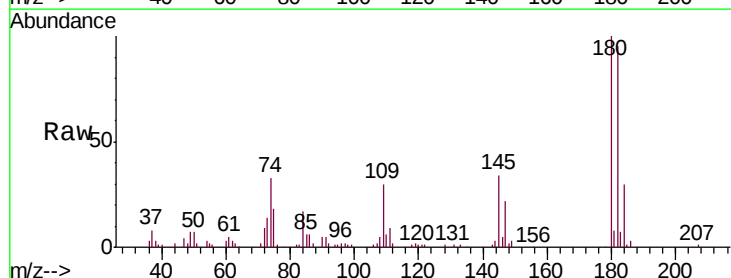
Tgt Ion:180 Resp: 58167

Ion Ratio Lower Upper

180 100

182 95.0 77.0 115.4

145 32.9 25.9 38.9



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

