

Data File : VU033255.D
Acq On : 16 Jul 2019 09:00
Operator : JC/SP
Sample : VSTD0.503
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.503

Quant Time: Jul 17 04:00:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR071619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 17 03:58:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	135271	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	134303	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	62478	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	6808	0.75	ug/L	0.00
7) Chloroethane-d5	1.67	69	5282	0.66	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	12247	0.60	ug/L	0.00
20) 2-Butanone-d5	4.20	46	11191	3.96	ug/L	0.01
24) Chloroform-d	4.62	84	9186	0.49	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	5611	0.52	ug/L	0.00
32) Benzene-d6	5.32	84	16936	0.51	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	5450	0.49	ug/L	0.00
41) Toluene-d8	7.55	98	15390	0.48	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	2049	0.44	ug/L	0.00
46) 2-Hexanone-d5	8.30	63	6978	3.61	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.42	84	4655	0.48	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	5933	0.52	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	5364	0.399 ug/L	99
3) Chloromethane	1.32	50	6631	0.487 ug/L	99
5) Vinyl chloride	1.39	62	6541	0.479 ug/L	93
6) Bromomethane	1.62	94	4359	0.553 ug/L	95
8) Chloroethane	1.69	64	4068	0.489 ug/L	94
9) Trichlorofluoromethane	1.88	101	9495	0.488 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	5386	0.527 ug/L	96
12) 1,1-Dichloroethene	2.27	96	5383	0.576 ug/L	84
13) Acetone	2.34	43	11660	5.023 ug/L	96
14) Carbon disulfide	2.46	76	17280	0.560 ug/L #	91
15) Methyl Acetate	2.61	43	2506	0.448 ug/L	100
16) Methylene chloride	2.68	84	7346	0.665 ug/L	95
17) Methyl tert-butyl Ether	2.99	73	13089	0.489 ug/L	98
18) trans-1,2-Dichloroethene	2.96	96	6039	0.585 ug/L	81
19) 1,1-Dichloroethane	3.42	63	8686	0.445 ug/L	98
21) 2-Butanone	4.28	43	10100	3.143 ug/L	96
22) cis-1,2-Dichloroethene	4.21	96	4776	0.445 ug/L	92
23) Bromochloromethane	4.52	128	1986	0.400 ug/L	94
25) Chloroform	4.65	83	11300	0.524 ug/L	91
27) 1,2-Dichloroethane	5.39	62	5402	0.390 ug/L	98
29) 1,1,1-Trichloroethane	4.89	97	7223	0.425 ug/L	97
30) Cyclohexane	4.97	56	5907	0.382 ug/L #	96
31) Carbon tetrachloride	5.11	117	6146	0.404 ug/L	98
33) Benzene	5.37	78	17082	0.433 ug/L	100
34) Trichloroethene	6.17	95	4717	0.443 ug/L	98
35) Methylcyclohexane	6.39	83	6377	0.401 ug/L	94
37) 1,2-Dichloropropane	6.41	63	4791	0.444 ug/L #	94
38) Bromodichloromethane	6.74	83	6290	0.448 ug/L	97
39) cis-1,3-Dichloropropene	7.25	75	6492	0.427 ug/L	96
40) 4-Methyl-2-pentanone	7.45	43	24343	3.355 ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	16604	0.391	ug/L	94
44) trans-1,3-Dichloropropene	7.87	75	4865	0.384	ug/L	93
45) 1,1,2-Trichloroethane	8.05	97	3452	0.455	ug/L	89
47) Tetrachloroethene	8.21	164	3908	0.446	ug/L	87
48) 2-Hexanone	8.35	43	17767	3.357	ug/L	94
49) Dibromochloromethane	8.46	129	3719	0.391	ug/L	87
50) 1,2-Dibromoethane	8.58	107	3219	0.442	ug/L #	97
51) Chlorobenzene	9.11	112	12048	0.430	ug/L	96
52) Ethylbenzene	9.23	91	17870	0.385	ug/L	99
53) m,p-Xylene	9.36	106	6448	0.378	ug/L	90
54) o-Xylene	9.77	106	5734	0.345	ug/L	88
55) Styrene	9.78	104	10039	0.357	ug/L	92
56) Isopropylbenzene	10.15	105	15540	0.351	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.44	83	4122	0.424	ug/L #	87
59) 1,2,3-Trichloropropane	10.48	75	3018	0.411	ug/L	89
61) Bromoform	9.95	173	1806	0.385	ug/L #	86
62) 1,3-Dichlorobenzene	11.40	146	8597	0.441	ug/L	97
63) 1,4-Dichlorobenzene	11.49	146	9263	0.455	ug/L	97
65) 1,2-Dichlorobenzene	11.86	146	8399	0.440	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.64	75	695	0.518	ug/L	88
67) 1,3,5-Trichlorobenzene	12.87	180	6440	0.423	ug/L	98
68) 1,2,4-trichlorobenzene	13.49	180	4991	0.449	ug/L	98
69) Naphthalene	13.74	128	7642	0.450	ug/L	98
70) 1,2,3-Trichlorobenzene	13.98	180	4702	0.444	ug/L	99

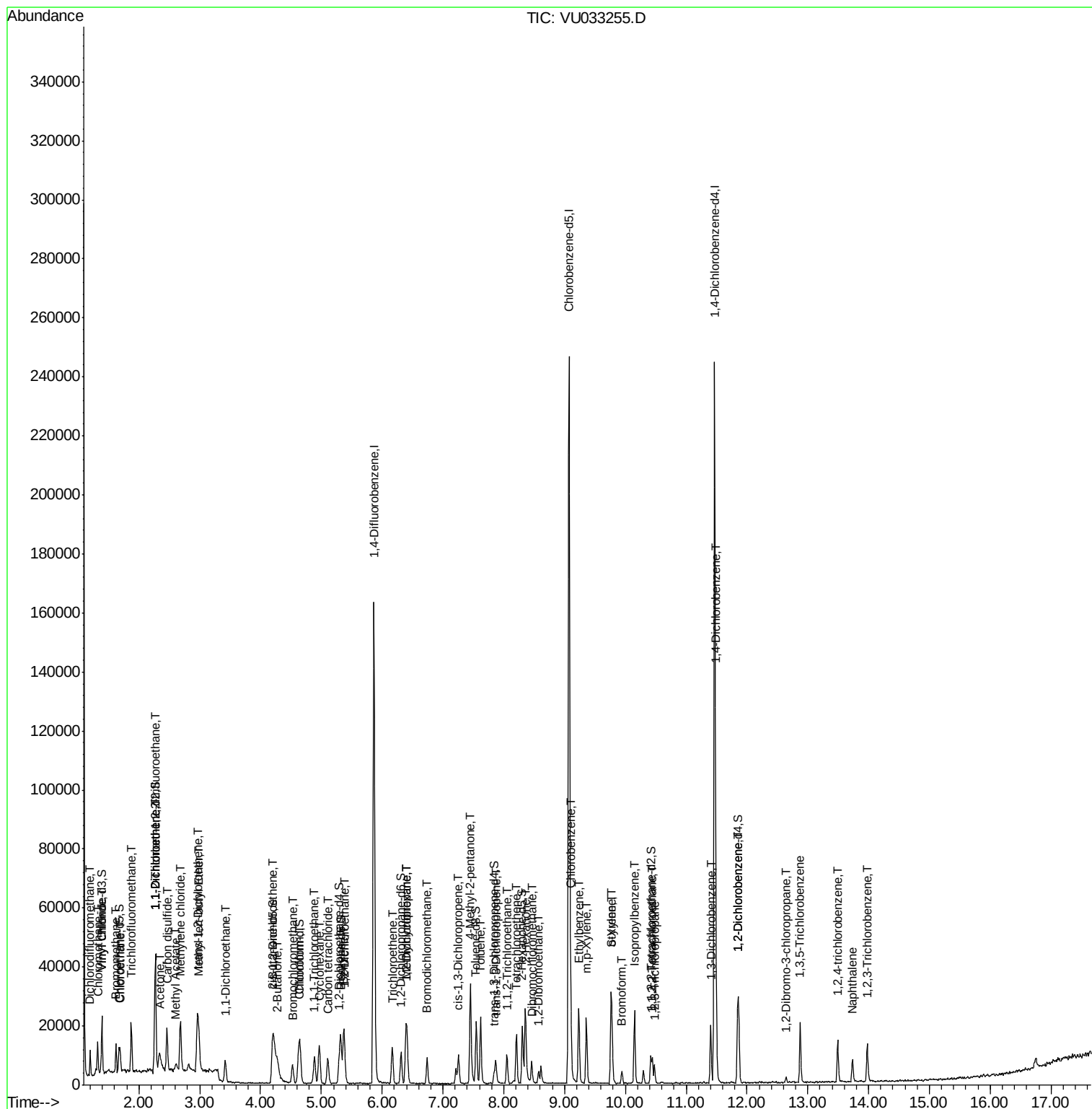
(#) = qualifier out of range (m) = manual integration (+) = signals summed

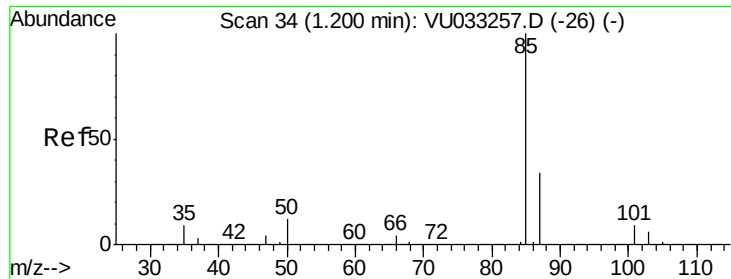
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#2

Dichlorodifluoromethane

Concen: 0.399 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU033255.D

Acq: 16 Jul 2019 09:00

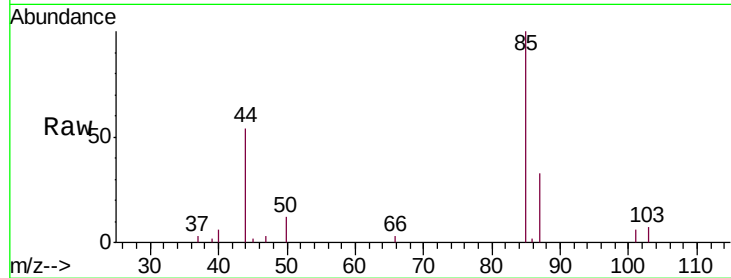
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.503

Tgt Ion: 85 Resp: 5364

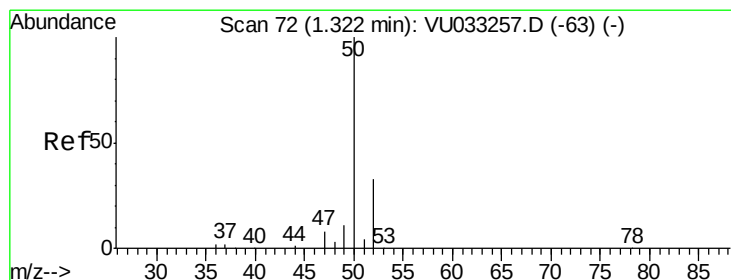
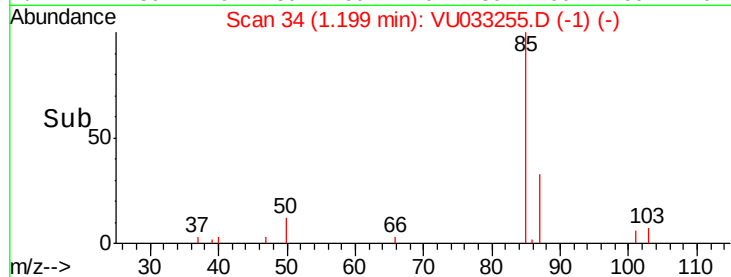
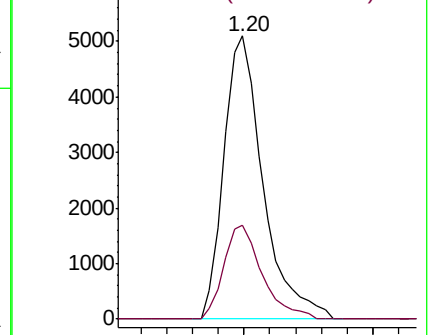
Ion Ratio Lower Upper

85 100

87 32.6 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU033255.D (-1) (-)



#3

Chloromethane

Concen: 0.487 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU033255.D

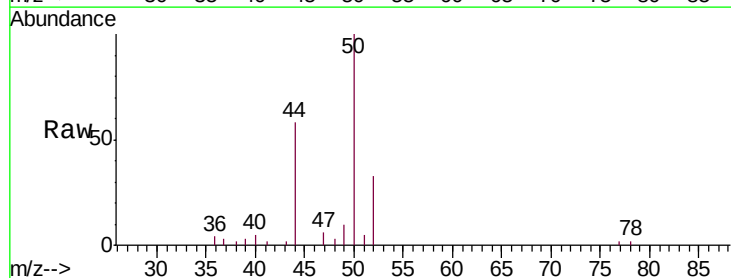
Acq: 16 Jul 2019 09:00

Tgt Ion: 50 Resp: 6631

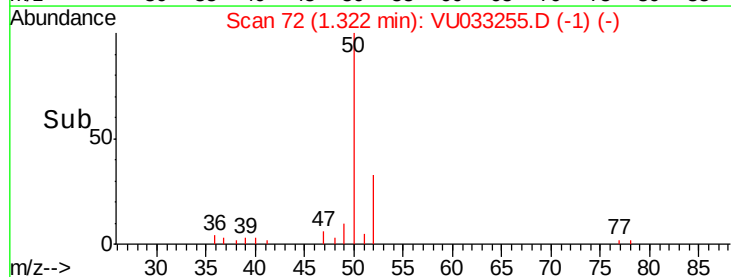
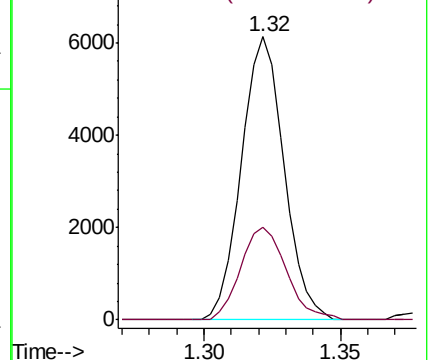
Ion Ratio Lower Upper

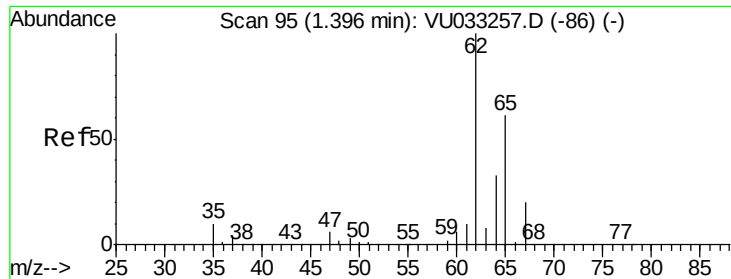
50 100

52 32.8 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU033255.D (-1) (-)





#5

Vinyl chloride

Concen: 0.479 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033255.D

Acq: 16 Jul 2019 09:00

Instrument :

MSVOA_U

ClientSampleId :

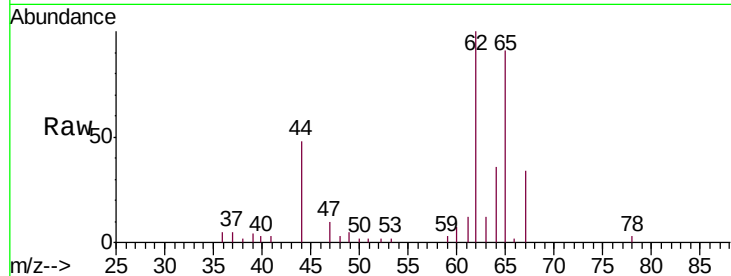
VSTD0.503

Tgt Ion: 62 Resp: 6541

Ion Ratio Lower Upper

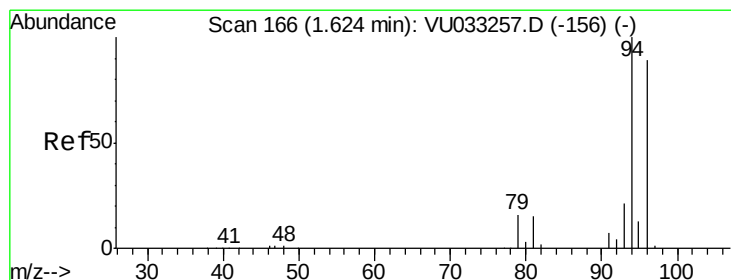
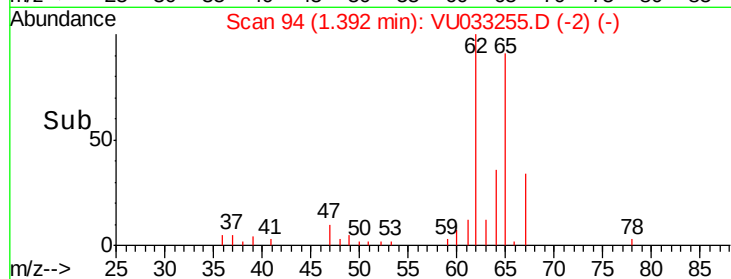
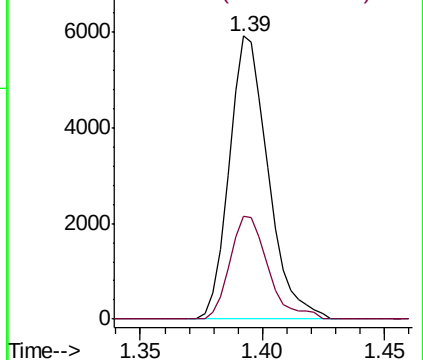
62 100

64 36.4 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: 0.553 ug/L

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU033255.D

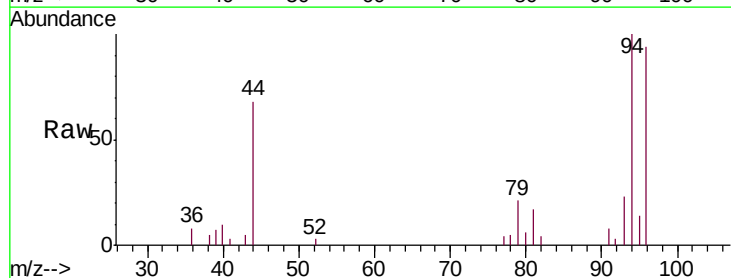
Acq: 16 Jul 2019 09:00

Tgt Ion: 94 Resp: 4359

Ion Ratio Lower Upper

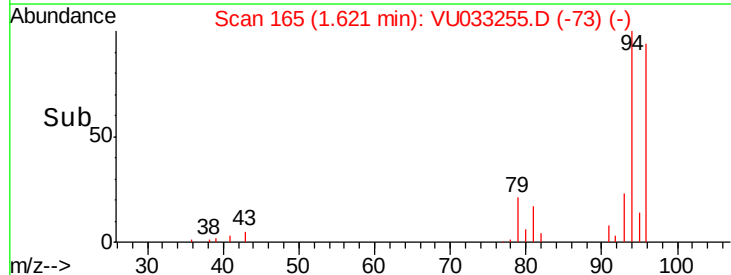
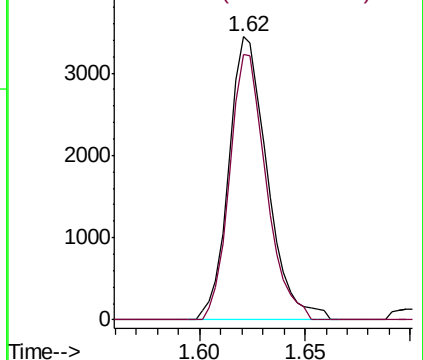
94 100

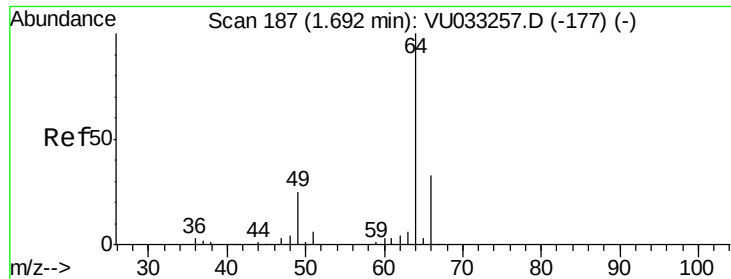
96 93.7 62.4 116.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 0.489 ug/L

RT: 1.69 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU033255.D

Acq: 16 Jul 2019 09:00

Instrument :

MSVOA_U

ClientSampleId :

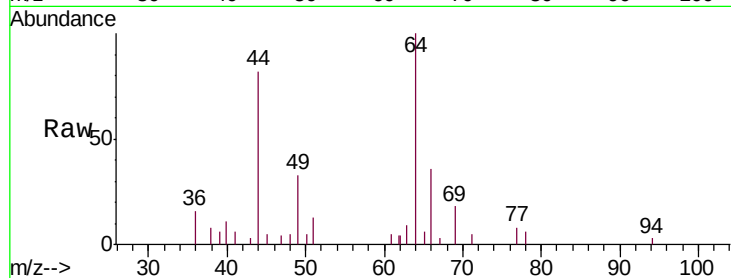
VSTD0.503

Tgt Ion: 64 Resp: 4068

Ion Ratio Lower Upper

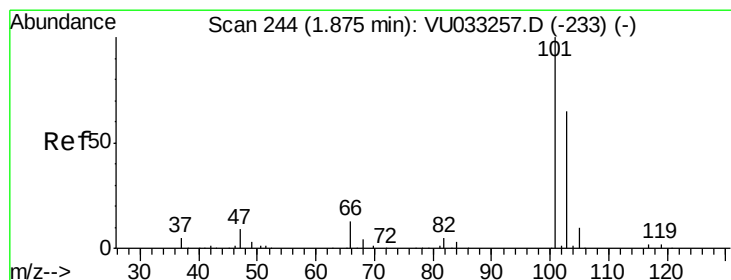
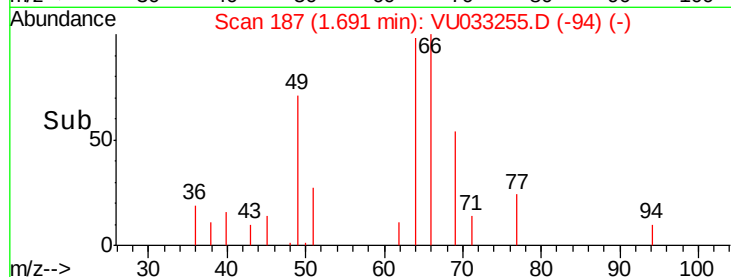
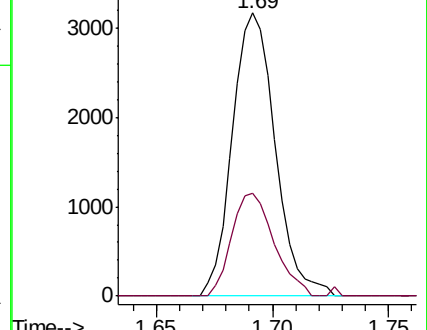
64 100

66 36.4 23.2 43.2



Abundance Ion 64.10 (63.80 to 64.80): VU033257.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU033257.D (-177) (-)



#9

Trichlorofluoromethane

Concen: 0.488 ug/L

RT: 1.88 min Scan# 245

Delta R.T. 0.00 min

Lab File: VU033255.D

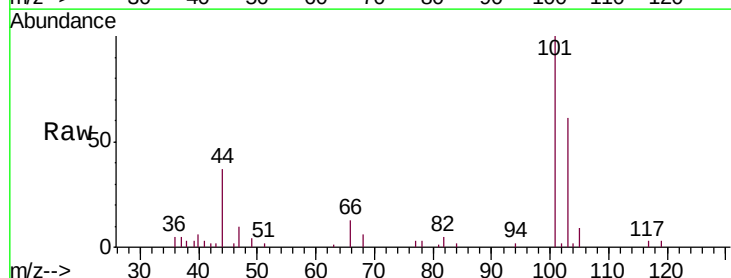
Acq: 16 Jul 2019 09:00

Tgt Ion: 101 Resp: 9495

Ion Ratio Lower Upper

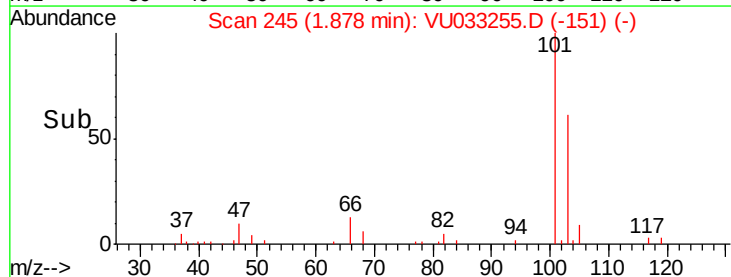
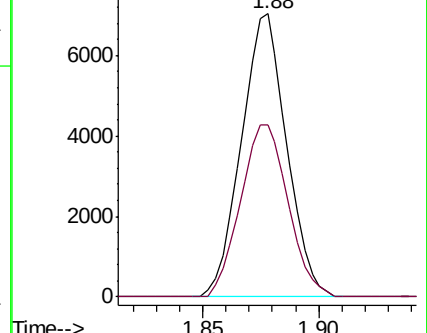
101 100

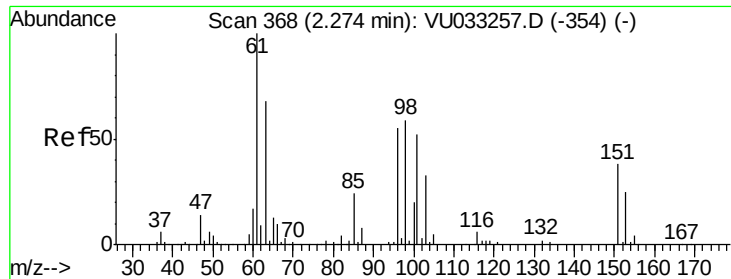
103 64.1 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU033257.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU033257.D (-233) (-)





#10

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

Concen: 0.527 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU033255.D

Acq: 16 Jul 2019 09:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

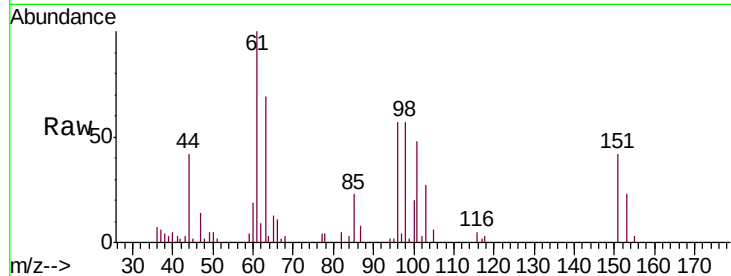
Tgt Ion:101 Resp: 5386

Ion Ratio Lower Upper

101 100

85 42.1 37.4 56.0

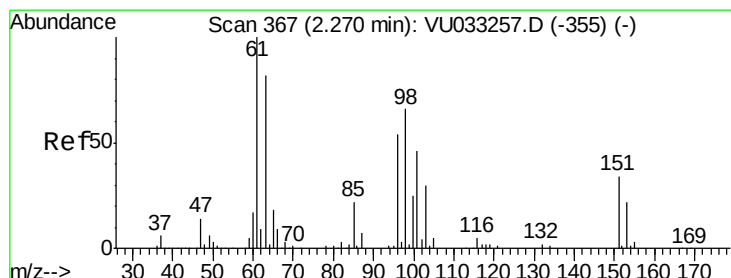
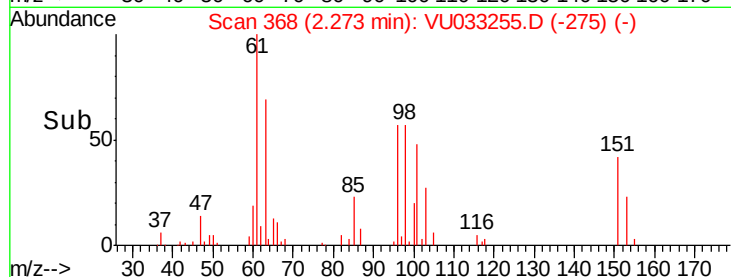
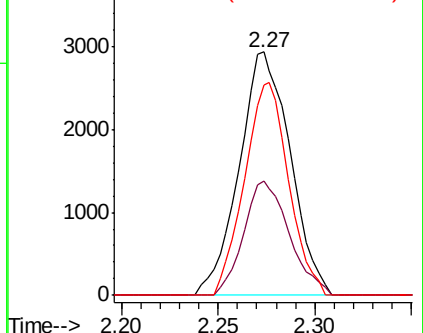
151 75.6 58.6 87.8



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: 0.576 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033255.D

Acq: 16 Jul 2019 09:00

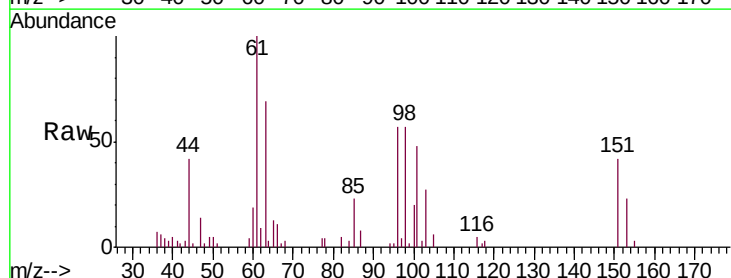
Tgt Ion: 96 Resp: 5383

Ion Ratio Lower Upper

96 100

61 175.4 129.3 240.1

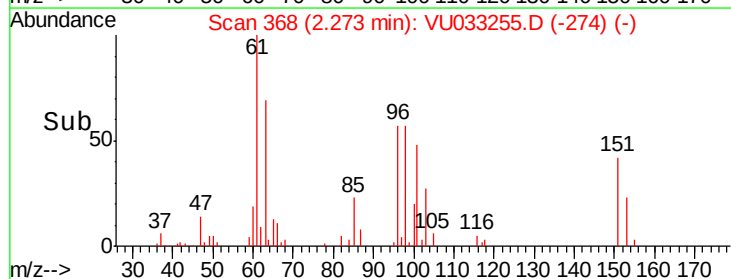
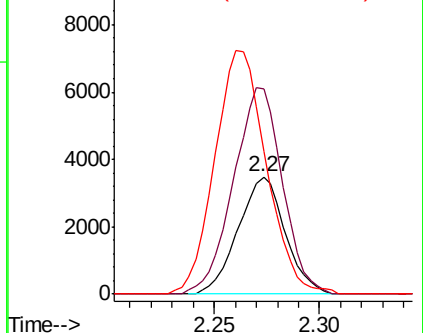
63 121.4 108.9 202.3

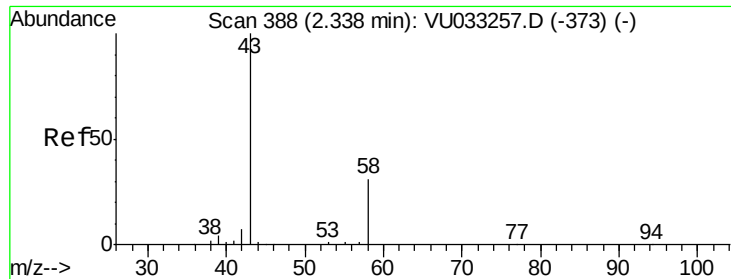


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 5.023 ug/L

RT: 2.34 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU033255.D

Acq: 16 Jul 2019 09:00

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MSVOA_U

ClientSampleId :

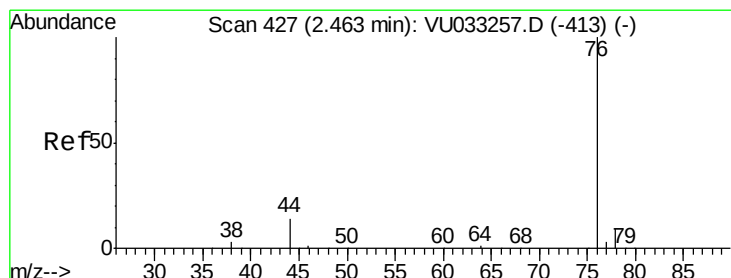
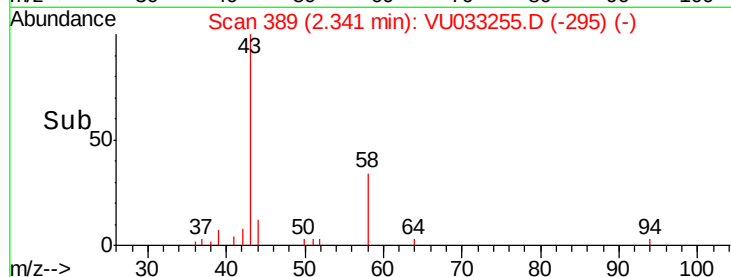
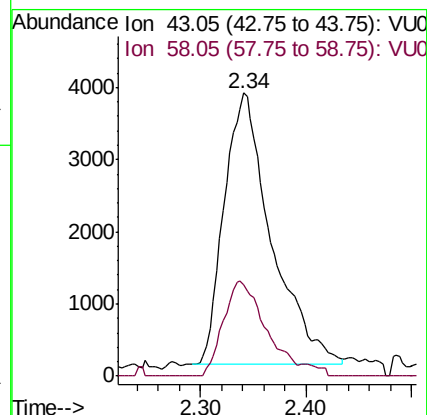
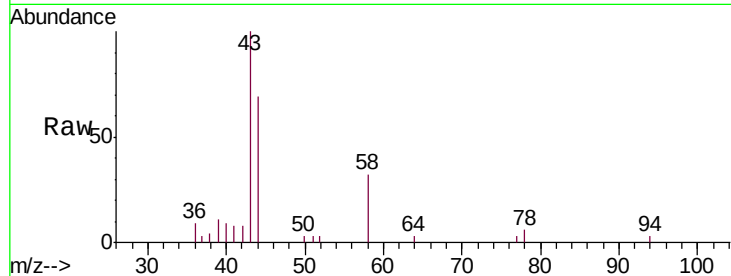
VSTD0.503

Tgt Ion: 43 Resp: 11660

Ion Ratio Lower Upper

43 100

58 31.1 0.0 66.6



#14

Carbon disulfide

Concen: 0.560 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU033255.D

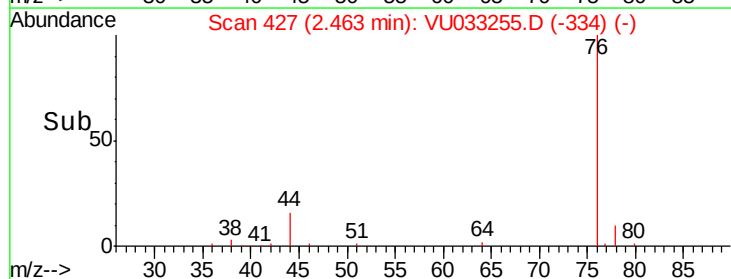
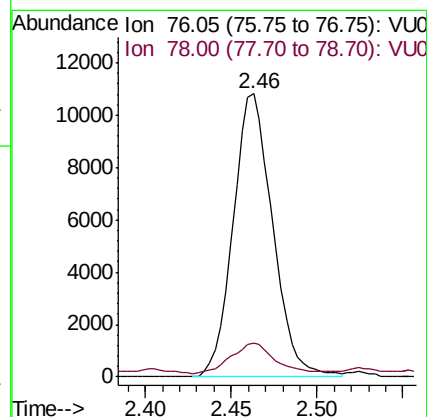
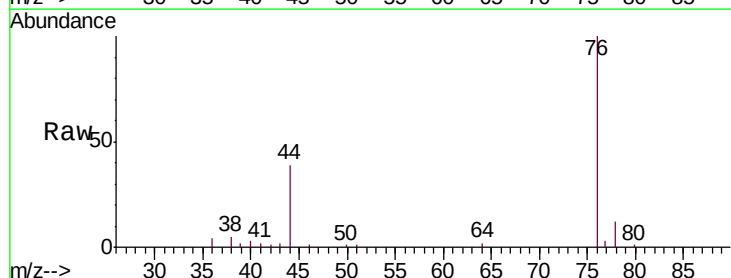
Acq: 16 Jul 2019 09:00

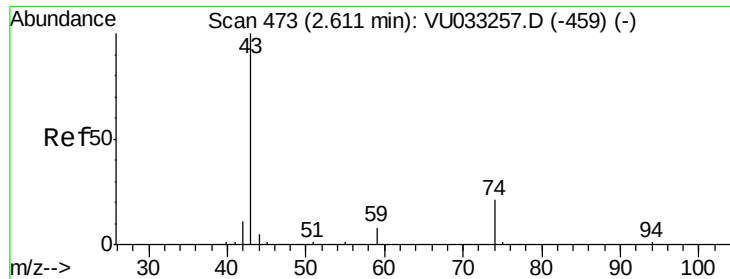
Tgt Ion: 76 Resp: 17280

Ion Ratio Lower Upper

76 100

78 12.1 7.1 10.7#





#15

Methyl Acetate

Concen: 0.448 ug/L

RT: 2.61 min Scan# 473

Delta R.T. -0.00 min

Lab File: VU033255.D

Acq: 16 Jul 2019 09:00

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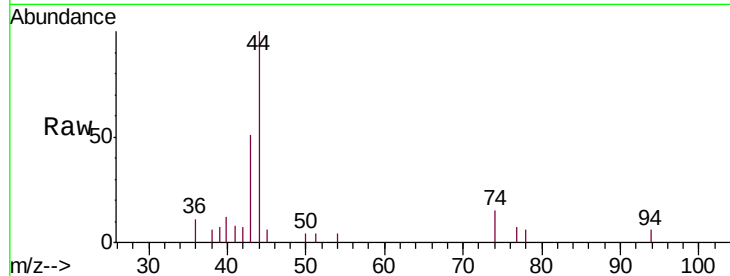
VSTD0.503

Tgt Ion: 43 Resp: 2506

Ion Ratio Lower Upper

43 100

74 22.1 17.8 26.8



Abundance Ion 43.05 (42.75 to 43.75): VU033255.D (-459) (-)

Ion 74.05 (73.75 to 74.75): VU033255.D (-459) (-)

Time-->

2.55 2.60 2.65 2.70

1500

1000

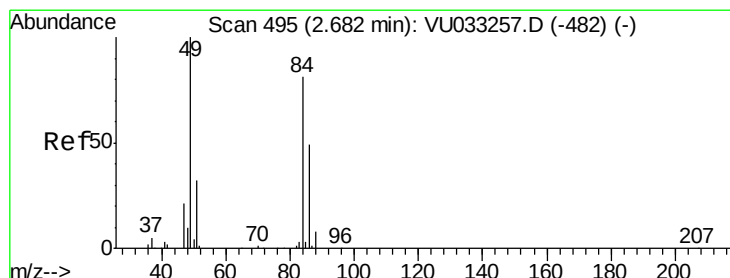
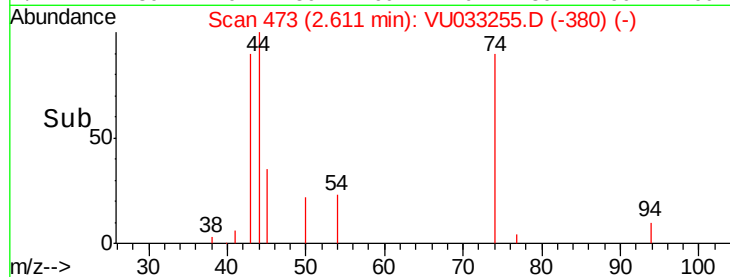
500

0

2.61

2.65

2.70



#16

Methylene chloride

Concen: 0.665 ug/L

RT: 2.68 min Scan# 495

Delta R.T. -0.00 min

Lab File: VU033255.D

Acq: 16 Jul 2019 09:00

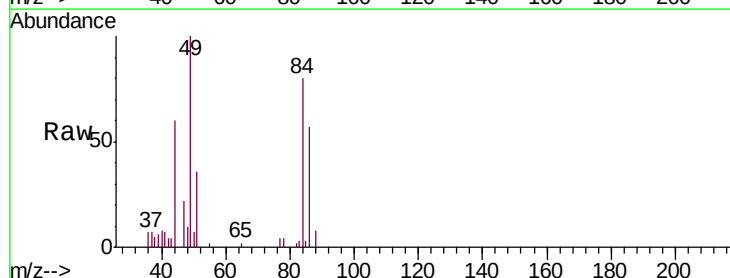
Tgt Ion: 84 Resp: 7346

Ion Ratio Lower Upper

84 100

86 71.6 42.5 78.9

49 125.0 86.9 161.3



Abundance Ion 84.05 (83.75 to 84.75): VU033255.D (-482) (-)

Ion 86.00 (85.70 to 86.70): VU033255.D (-482) (-)

Ion 49.10 (48.80 to 49.80): VU033255.D (-482) (-)

Time-->

2.65 2.70 2.75

6000

5000

4000

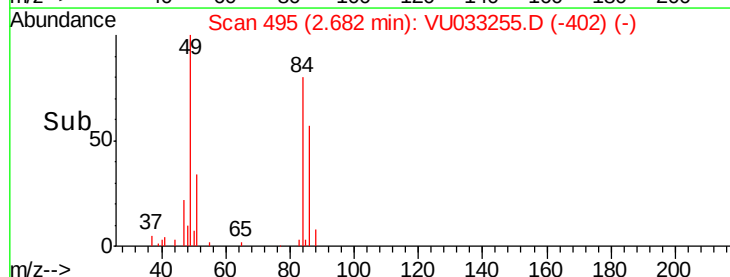
3000

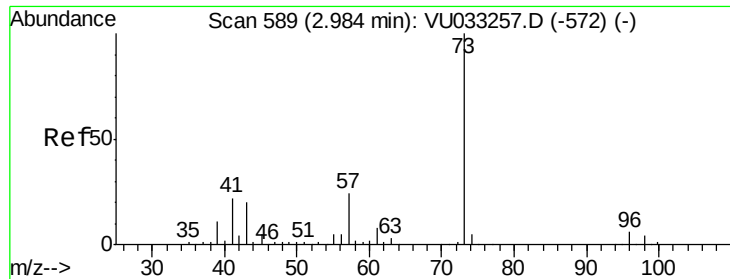
2000

1000

0

2.68





#17

Methyl tert-butyl Ether

Concen: 0.489 ug/L

RT: 2.99 min Scan# 590

Delta R.T. 0.00 min

Lab File: VU033255.D

Acq: 16 Jul 2019 09:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

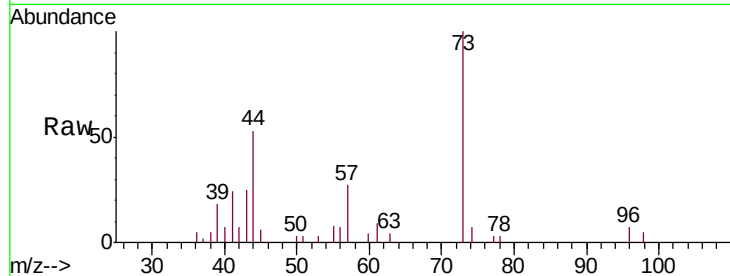
Tgt Ion: 73 Resp: 13089

Ion Ratio Lower Upper

73 100

43 21.8 16.3 24.5

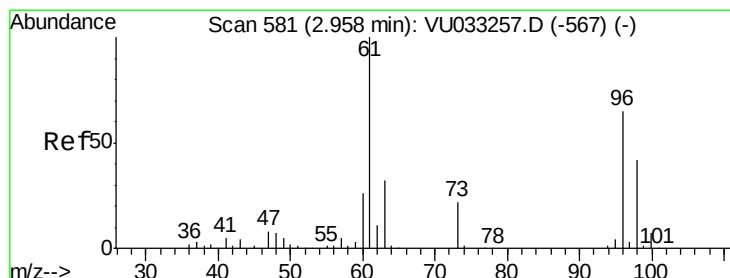
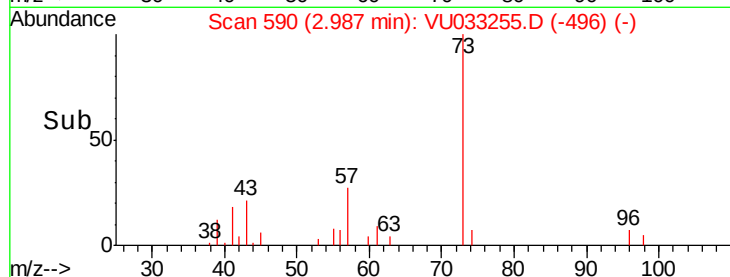
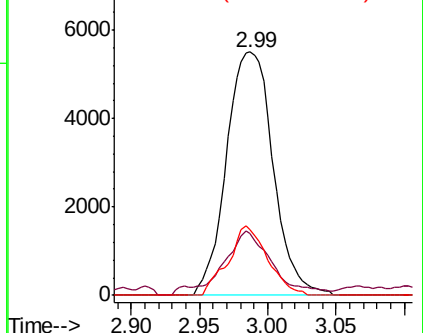
57 24.1 18.6 28.0



Abundance Ion 73.10 (72.80 to 73.80): VU033255.D (-496) (-)

Ion 43.05 (42.75 to 43.75): VU033255.D (-496) (-)

Ion 57.10 (56.80 to 57.80): VU033255.D (-496) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.585 ug/L

RT: 2.96 min Scan# 582

Delta R.T. 0.00 min

Lab File: VU033255.D

Acq: 16 Jul 2019 09:00

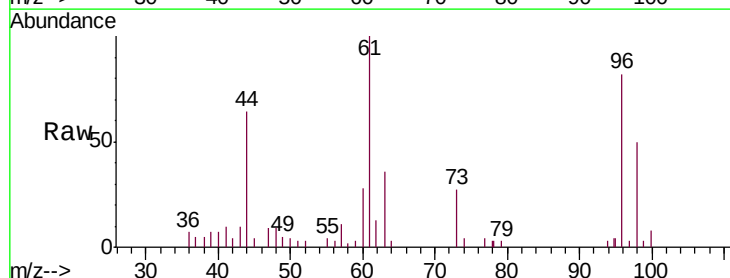
Tgt Ion: 96 Resp: 6039

Ion Ratio Lower Upper

96 100

61 121.9 107.1 198.9

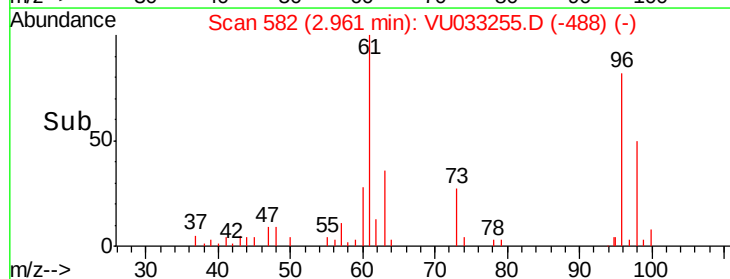
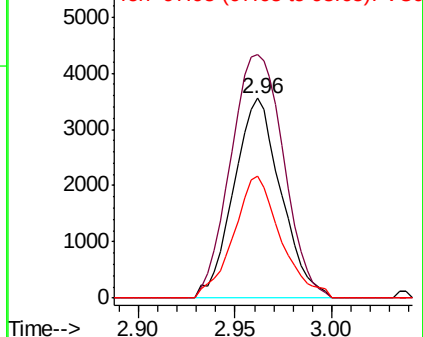
98 60.8 45.4 84.4

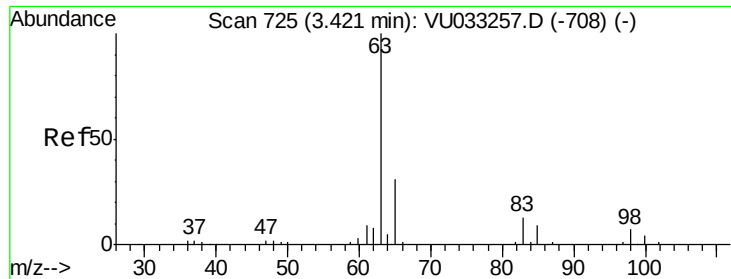


Abundance Ion 96.00 (95.70 to 96.70): VU033255.D (-488) (-)

Ion 61.05 (60.75 to 61.75): VU033255.D (-488) (-)

Ion 97.95 (97.65 to 98.65): VU033255.D (-488) (-)

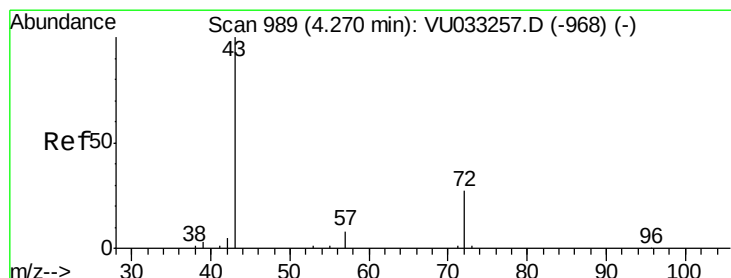
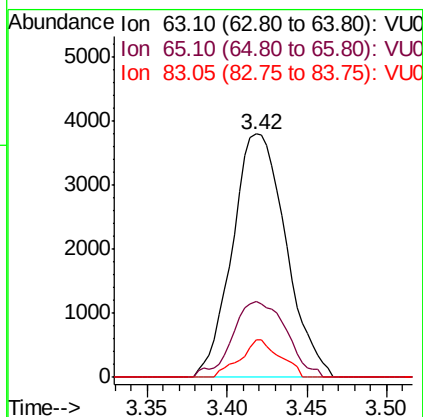
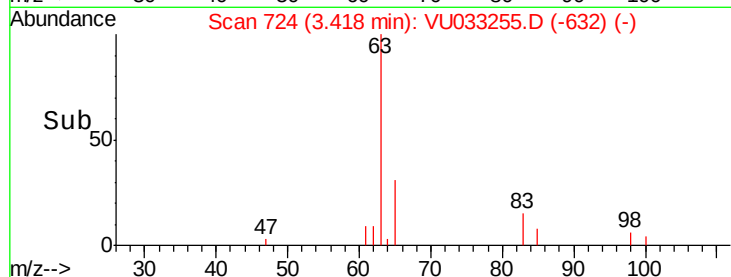
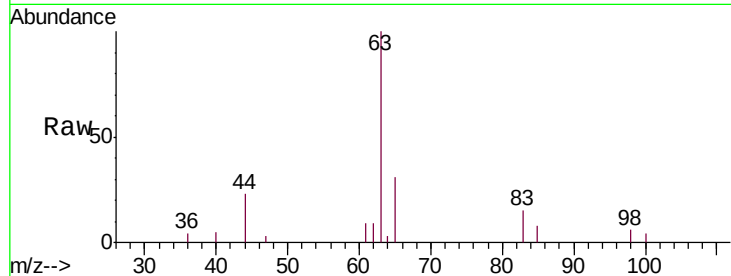




#19
 1,1-Dichloroethane
 Concen: 0.445 ug/L
 RT: 3.42 min Scan# 724
 Delta R.T. -0.00 min
 Lab File: VU033255.D
 Acq: 16 Jul 2019 09:00

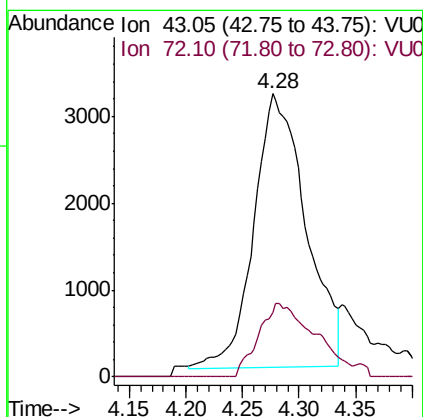
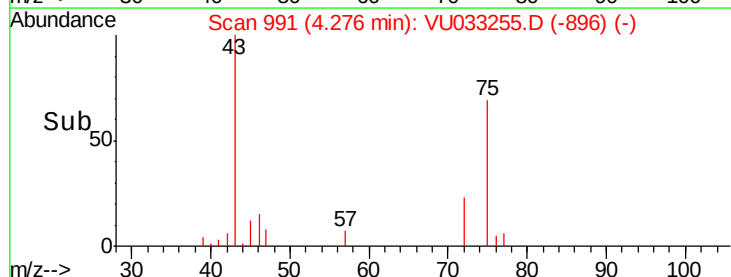
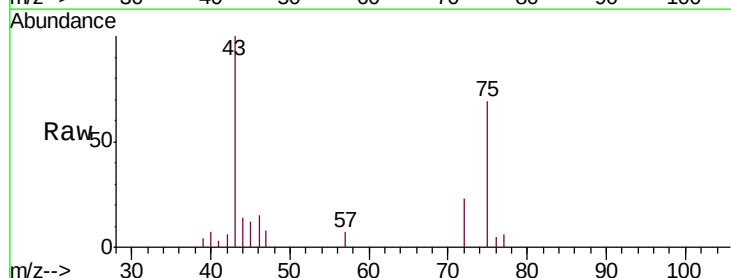
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

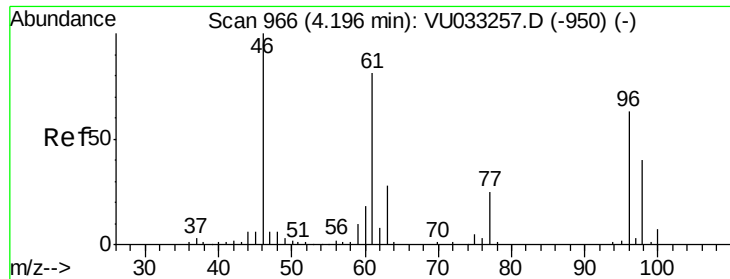
Tgt Ion: 63 Resp: 8686
 Ion Ratio Lower Upper
 63 100
 65 31.1 21.7 40.3
 83 15.5 9.0 16.8



#21
 2-Butanone
 Concen: 3.143 ug/L
 RT: 4.28 min Scan# 991
 Delta R.T. 0.01 min
 Lab File: VU033255.D
 Acq: 16 Jul 2019 09:00

Tgt Ion: 43 Resp: 10100
 Ion Ratio Lower Upper
 43 100
 72 29.0 13.5 40.4



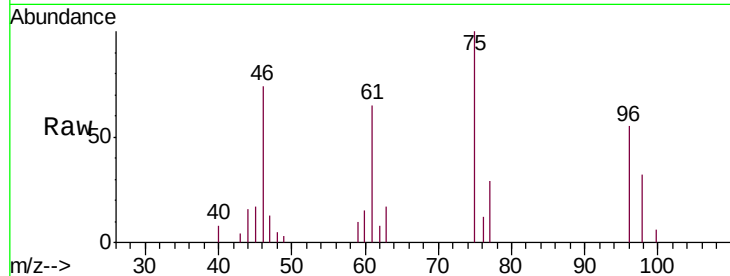


#22

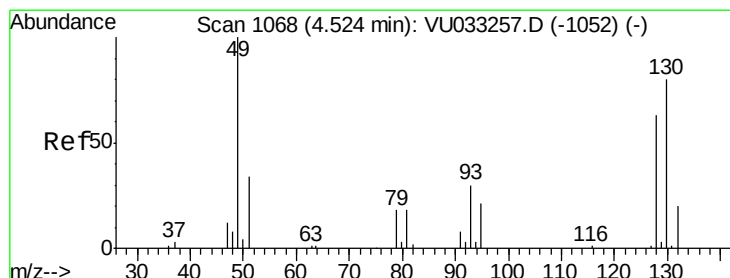
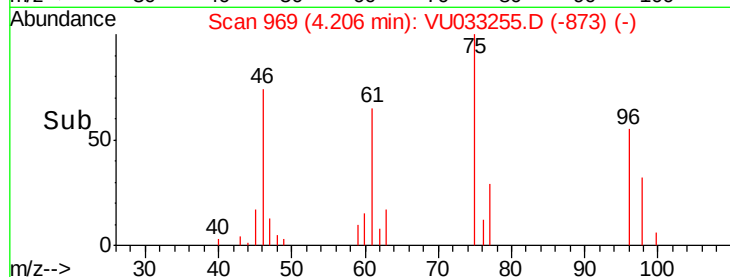
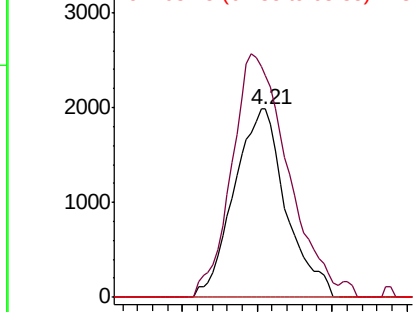
cis-1,2-Dichloroethene
 Concen: 0.445 ug/L
 RT: 4.21 min Scan# 969
 Delta R.T. 0.01 min
 Lab File: VU033255.D
 Acq: 16 Jul 2019 09:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

Tgt Ion: 96 Resp: 4776
 Ion Ratio Lower Upper
 96 100
 61 117.9 89.2 165.6
 68 0.0 0.0 0.0



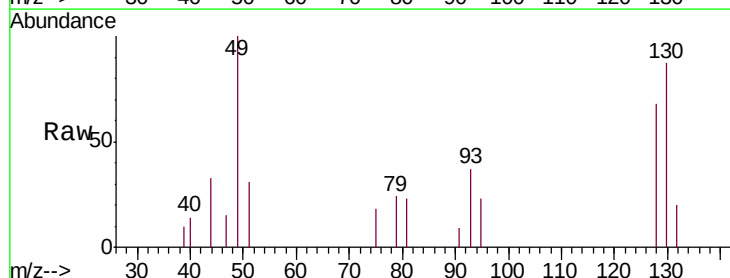
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



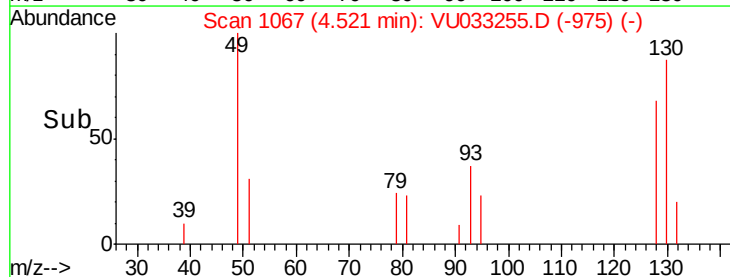
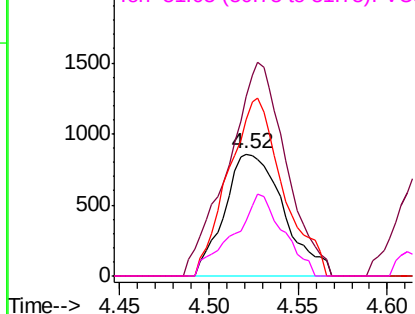
#23

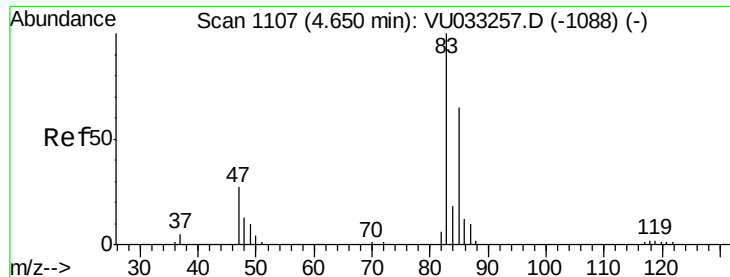
Bromochloromethane
 Concen: 0.400 ug/L
 RT: 4.52 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VU033255.D
 Acq: 16 Jul 2019 09:00

Tgt Ion: 128 Resp: 1986
 Ion Ratio Lower Upper
 128 100
 49 147.0 110.5 205.3
 130 128.5 88.6 164.6
 51 45.2 43.2 64.8



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VU0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VU0

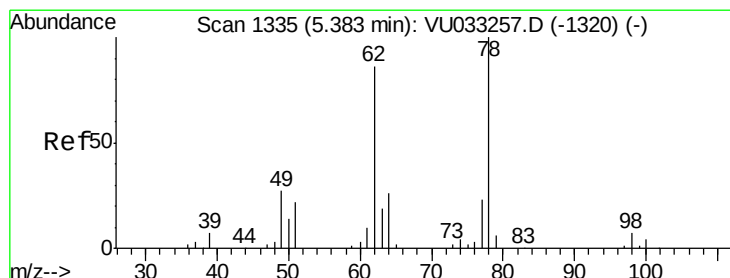
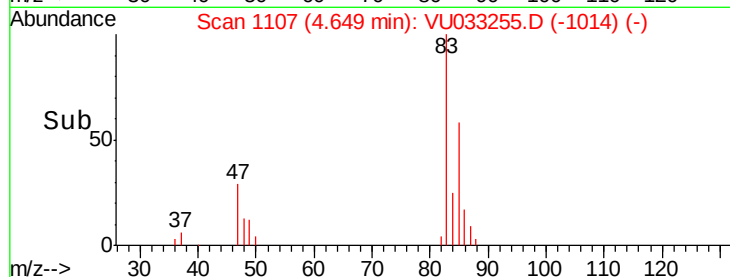
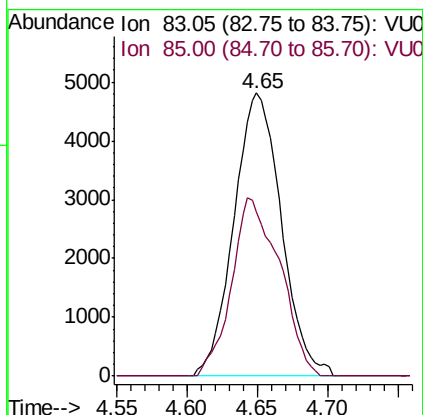
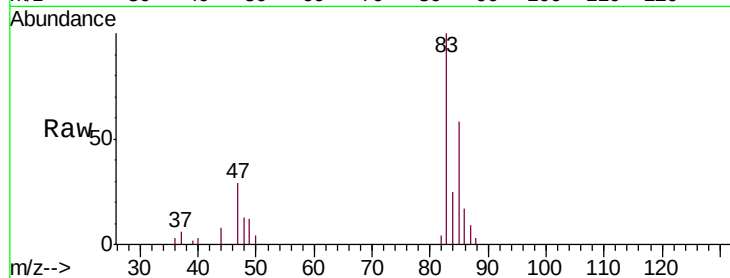




#25
Chloroform
Concen: 0.524 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VU033255.D
Acq: 16 Jul 2019 09:00

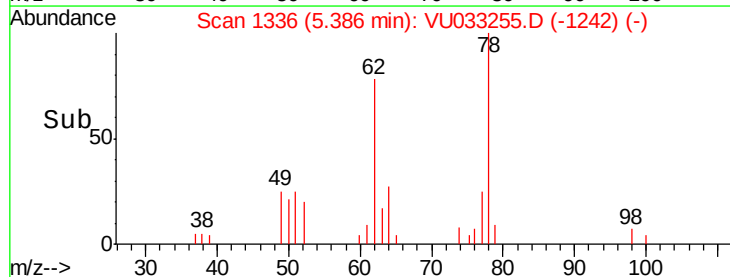
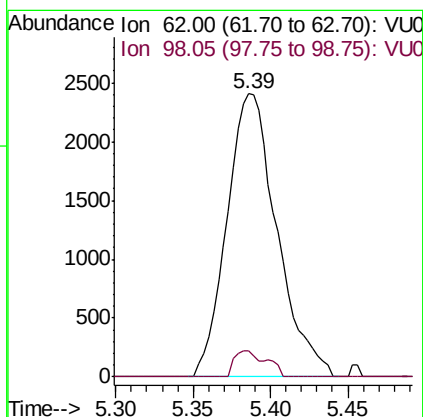
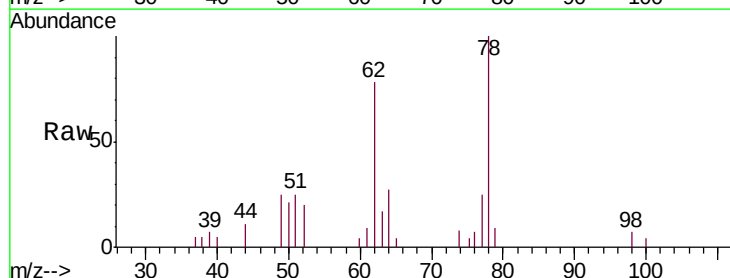
Instrument :
MSVOA_U
ClientSampleId :
VSTD0.503

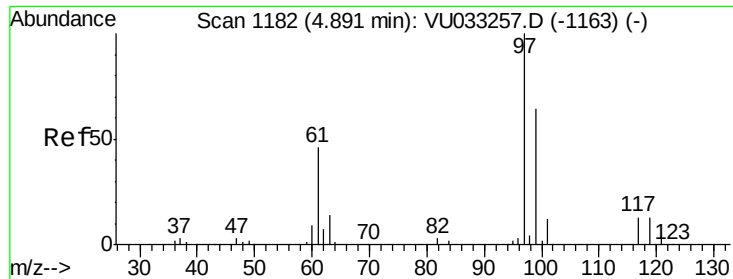
Tgt Ion: 83 Resp: 11300
Ion Ratio Lower Upper
83 100
85 57.9 45.4 84.4



#27
1,2-Dichloroethane
Concen: 0.390 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU033255.D
Acq: 16 Jul 2019 09:00

Tgt Ion: 62 Resp: 5402
Ion Ratio Lower Upper
62 100
98 9.1 6.6 10.0

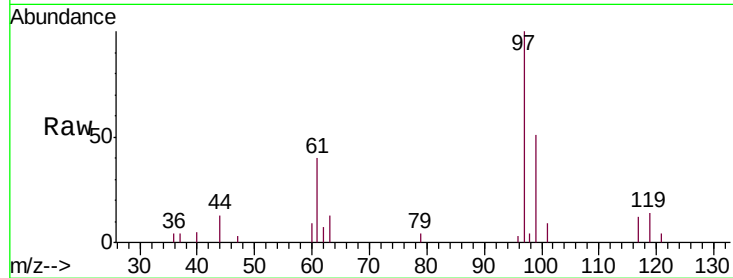




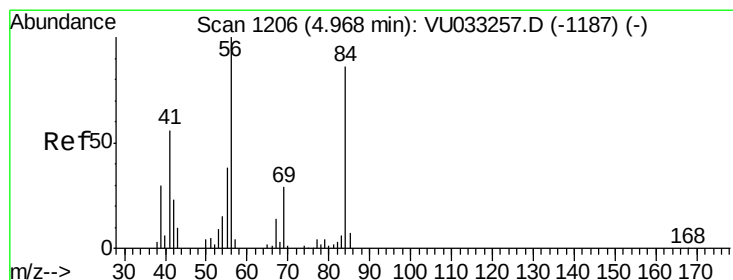
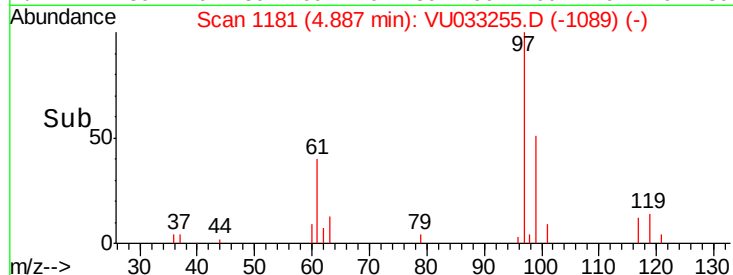
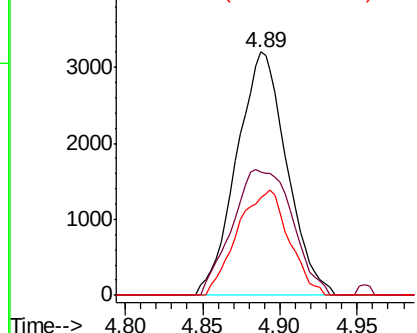
#29
 1,1,1-Trichloroethane
 Concen: 0.425 ug/L
 RT: 4.89 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VU033255.D
 Acq: 16 Jul 2019 09:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

Tgt Ion: 97 Resp: 7223
 Ion Ratio Lower Upper
 97 100
 99 61.9 51.6 77.4
 61 44.3 36.2 54.4

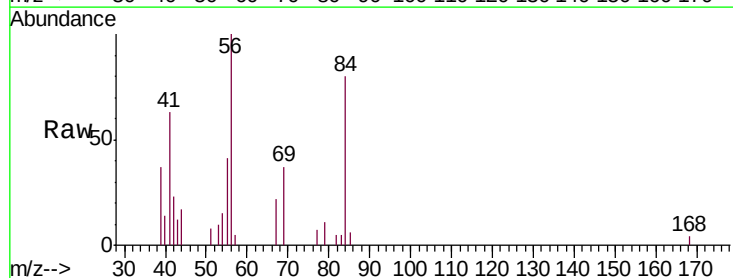


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

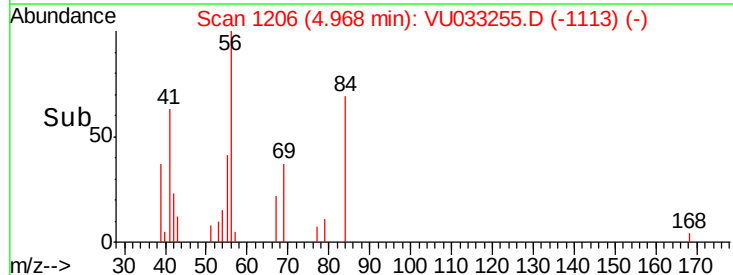
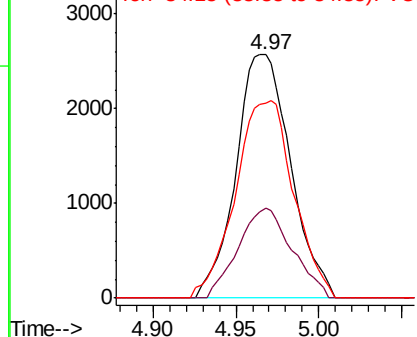


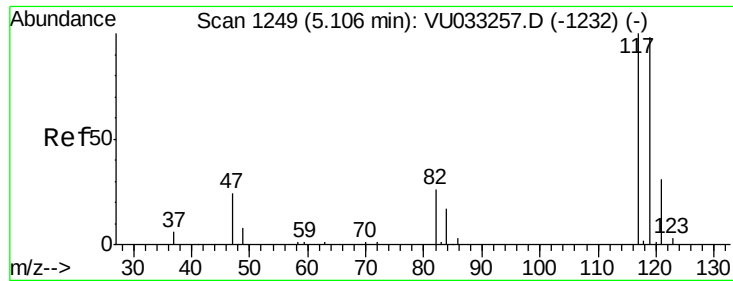
#30
 Cyclohexane
 Concen: 0.382 ug/L
 RT: 4.97 min Scan# 1206
 Delta R.T. -0.00 min
 Lab File: VU033255.D
 Acq: 16 Jul 2019 09:00

Tgt Ion: 56 Resp: 5907
 Ion Ratio Lower Upper
 56 100
 69 36.4 23.9 35.9#
 84 86.2 69.5 104.3



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





#31

Carbon tetrachloride

Concen: 0.404 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU033255.D

Acq: 16 Jul 2019 09:00

Instrument :

MSVOA_U

ClientSampleId :

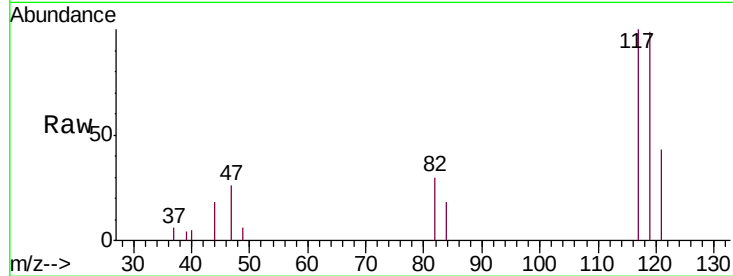
VSTD0.503

Tgt Ion: 117 Resp: 6146

Ion Ratio Lower Upper

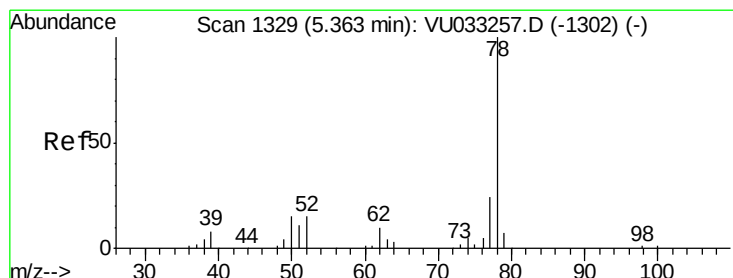
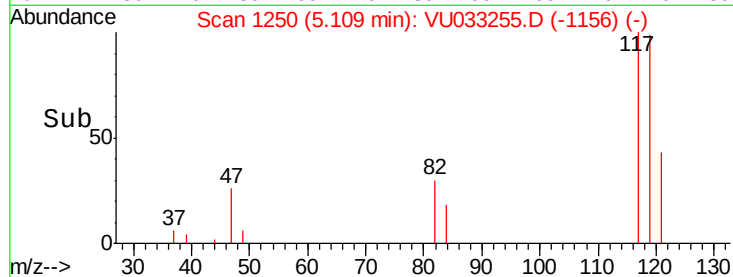
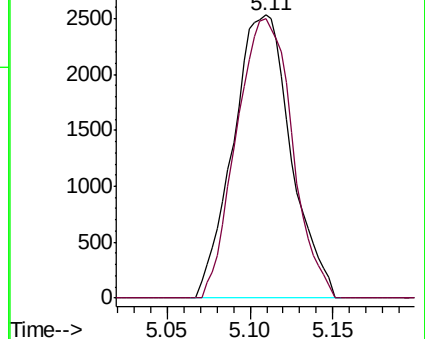
117 100

119 95.3 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: 0.433 ug/L

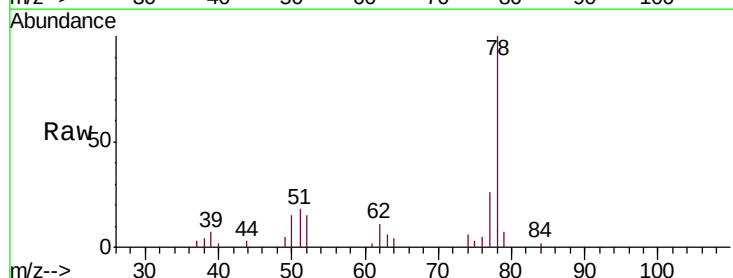
RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

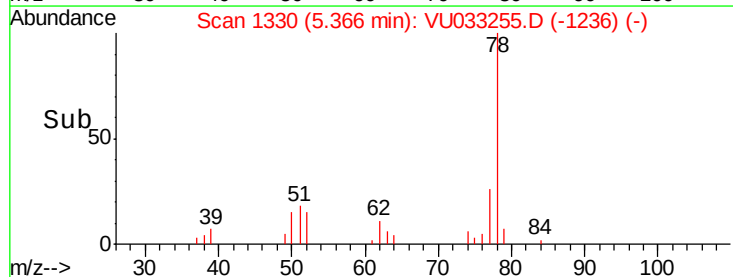
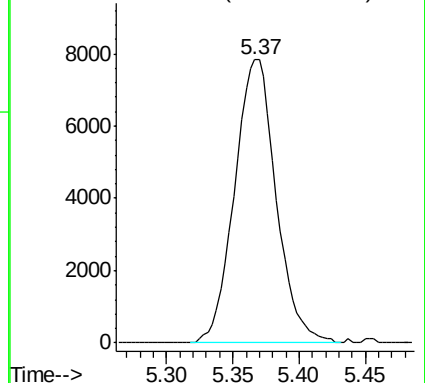
Lab File: VU033255.D

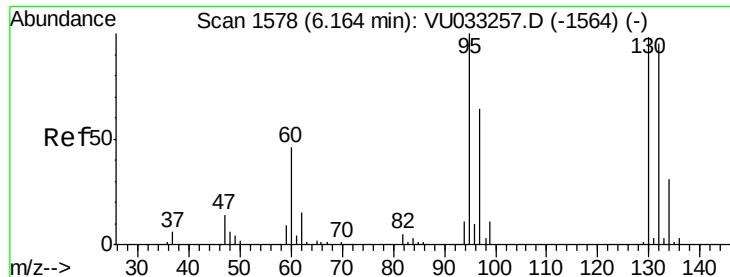
Acq: 16 Jul 2019 09:00

Tgt Ion: 78 Resp: 17082



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 0.443 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.01 min

Lab File: VU033255.D

Acq: 16 Jul 2019 09:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

Tgt Ion: 95 Resp: 4717

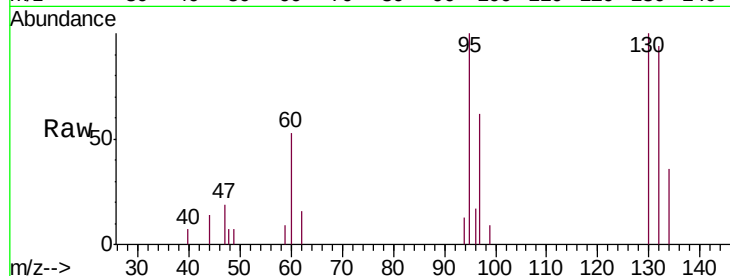
Ion Ratio Lower Upper

95 100

97 62.1 44.5 82.7

132 93.6 66.6 123.8

130 99.8 68.9 127.9

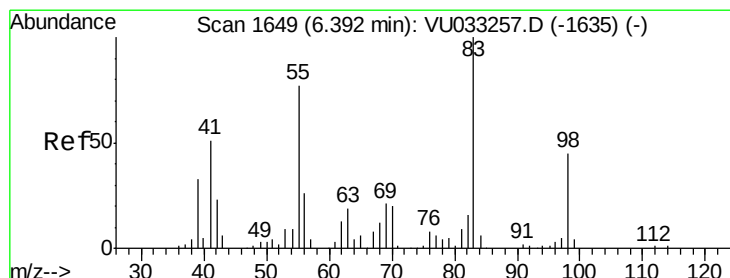
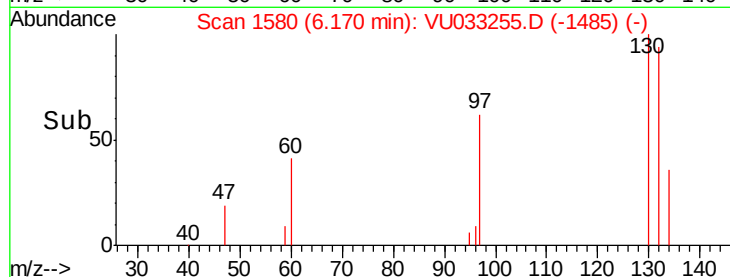
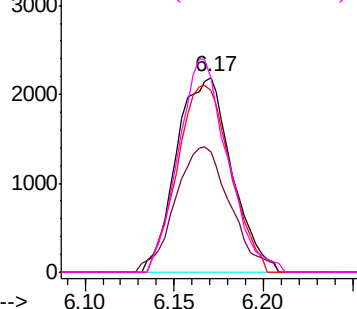


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.401 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU033255.D

Acq: 16 Jul 2019 09:00

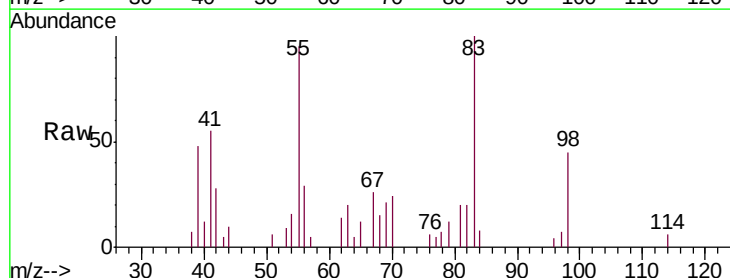
Tgt Ion: 83 Resp: 6377

Ion Ratio Lower Upper

83 100

55 82.6 62.6 94.0

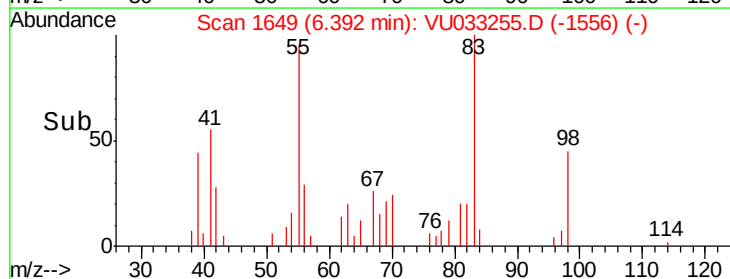
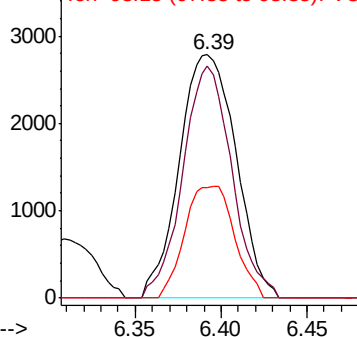
98 40.2 36.2 54.2

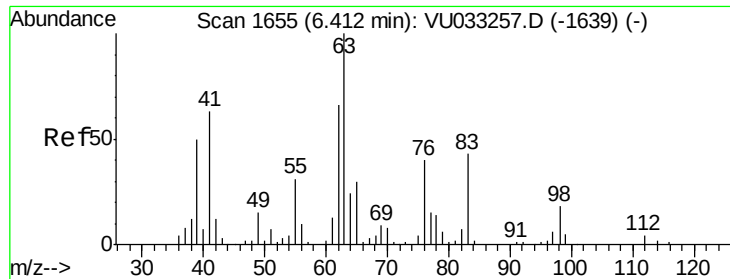


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

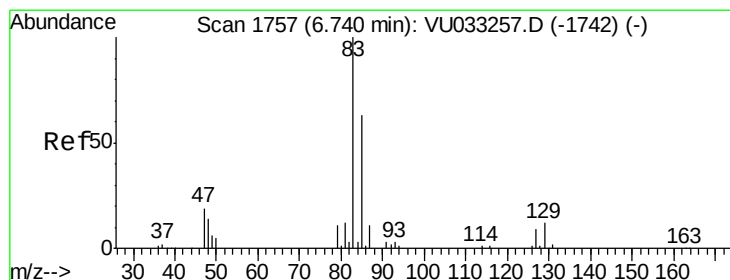
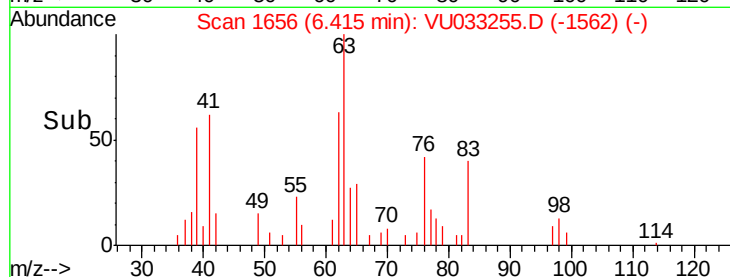
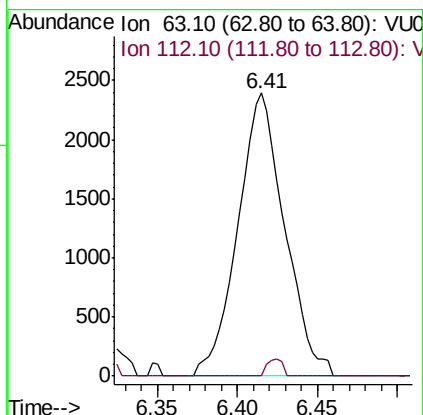
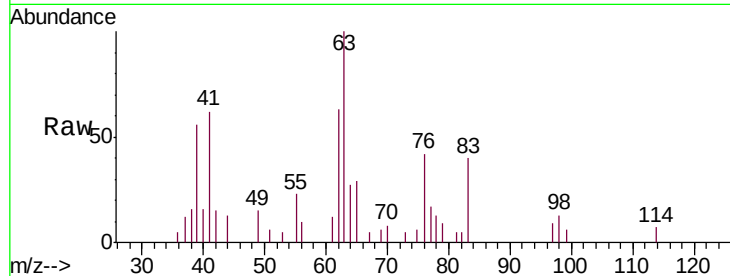




#37
 1,2-Dichloropropane
 Concen: 0.444 ug/L
 RT: 6.41 min Scan# 1656
 Delta R.T. 0.00 min
 Lab File: VU033255.D
 Acq: 16 Jul 2019 09:00

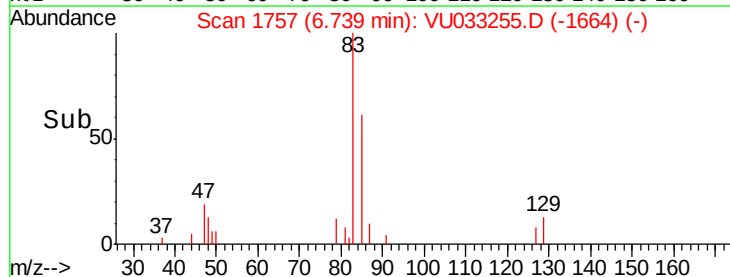
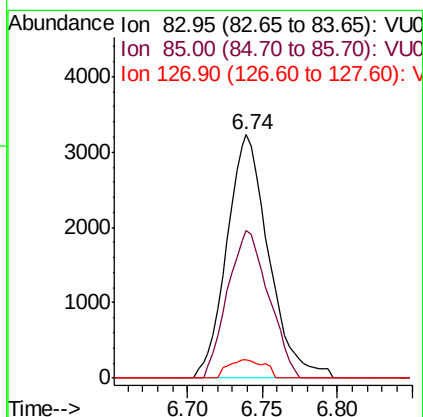
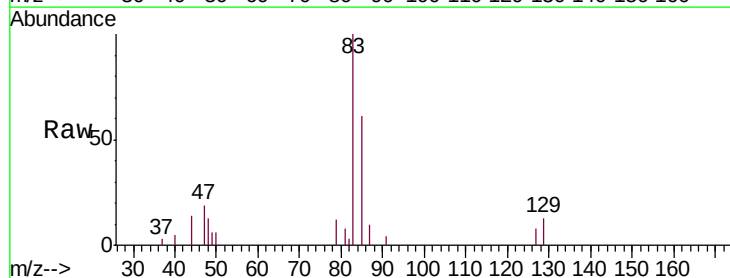
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

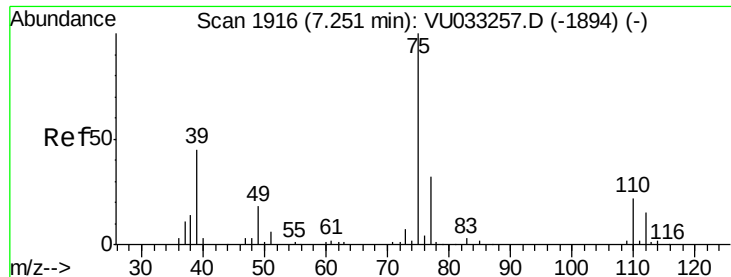
Tgt Ion: 63 Resp: 4791
 Ion Ratio Lower Upper
 63 100
 112 2.0 3.1 4.7#



#38
 Bromodichloromethane
 Concen: 0.448 ug/L
 RT: 6.74 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VU033255.D
 Acq: 16 Jul 2019 09:00

Tgt Ion: 83 Resp: 6290
 Ion Ratio Lower Upper
 83 100
 85 60.8 44.0 81.8
 127 7.6 7.0 10.4

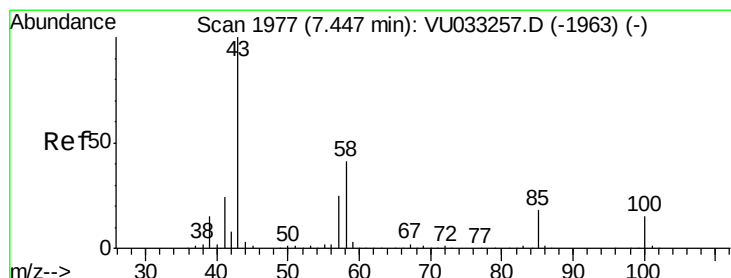
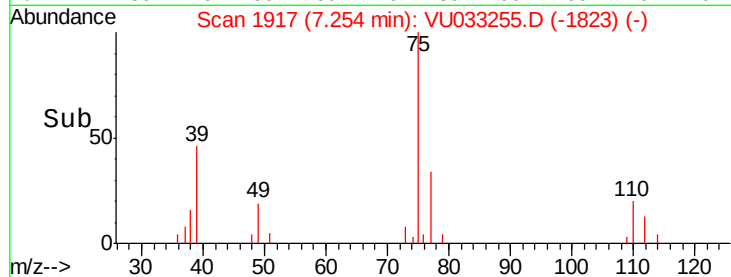
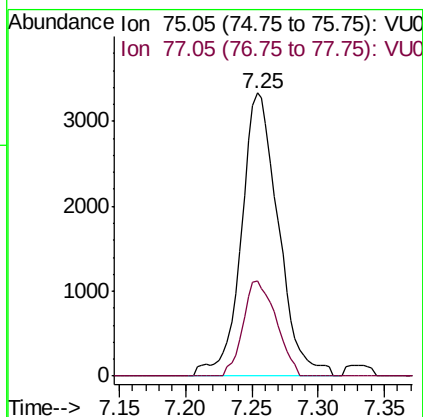
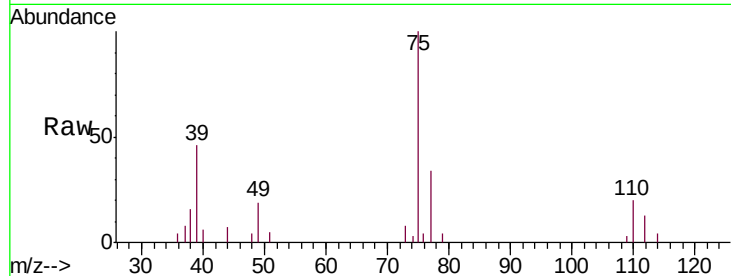




#39
 cis-1,3-Dichloropropene
 Concen: 0.427 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VU033255.D
 Acq: 16 Jul 2019 09:00

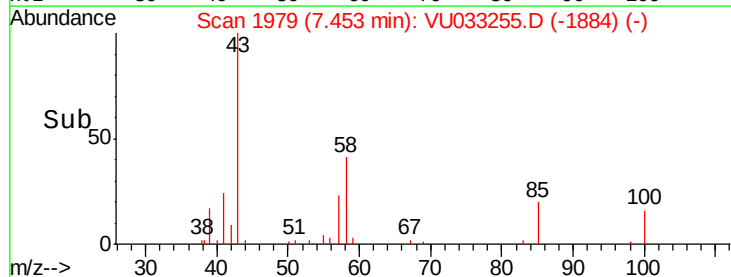
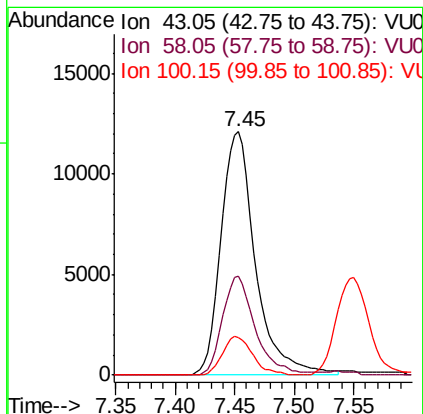
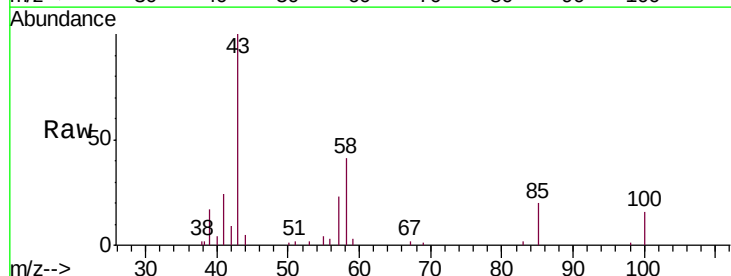
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

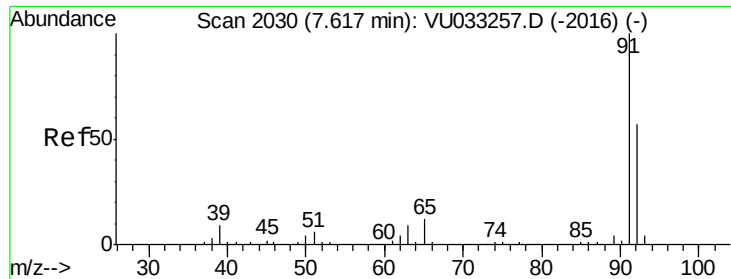
Tgt Ion: 75 Resp: 6492
 Ion Ratio Lower Upper
 75 100
 77 33.7 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 3.355 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. 0.01 min
 Lab File: VU033255.D
 Acq: 16 Jul 2019 09:00

Tgt Ion: 43 Resp: 24343
 Ion Ratio Lower Upper
 43 100
 58 38.5 32.4 48.6
 100 13.9 11.9 17.9





#42

Toluene

Concen: 0.391 ug/L

RT: 7.62 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VU033255.D

Acq: 16 Jul 2019 09:00

Instrument :

MSVOA_U

ClientSampleId :

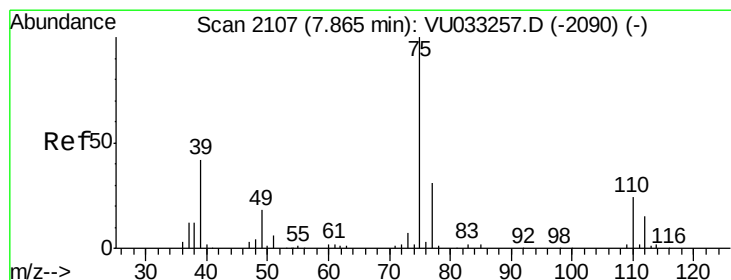
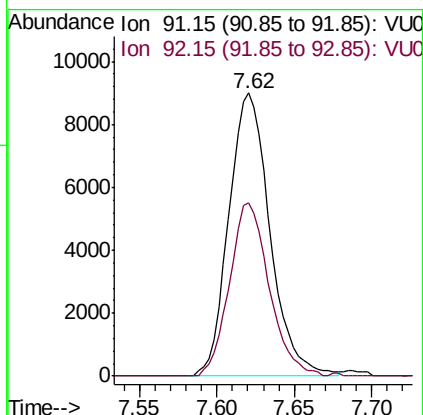
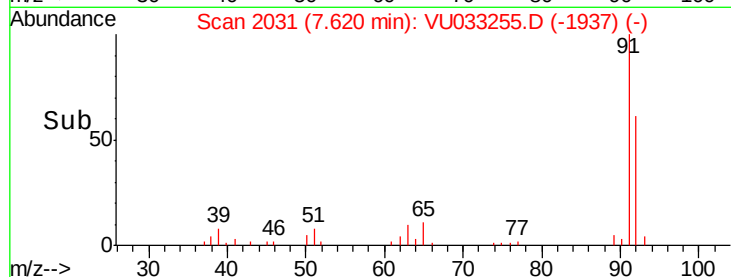
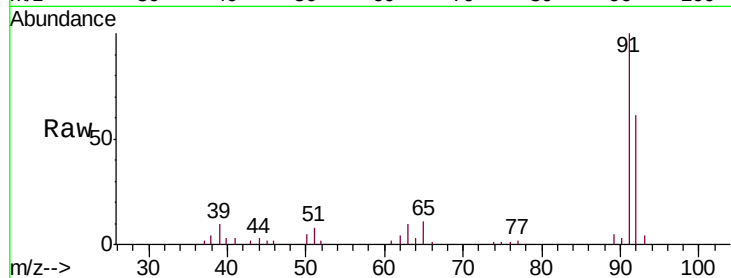
VSTD0.503

Tgt Ion: 91 Resp: 16604

Ion Ratio Lower Upper

91 100

92 61.4 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 0.384 ug/L

RT: 7.87 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VU033255.D

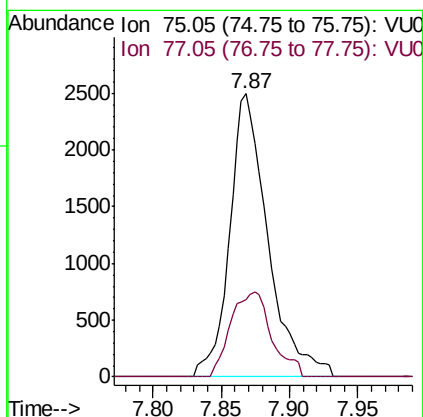
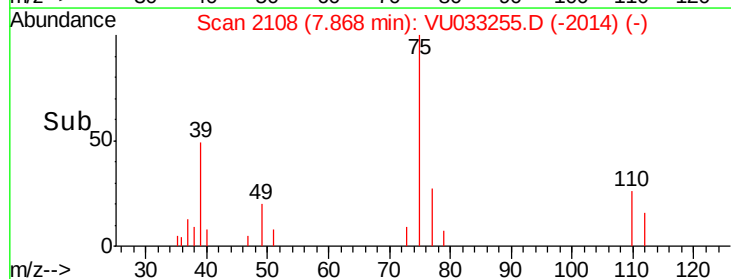
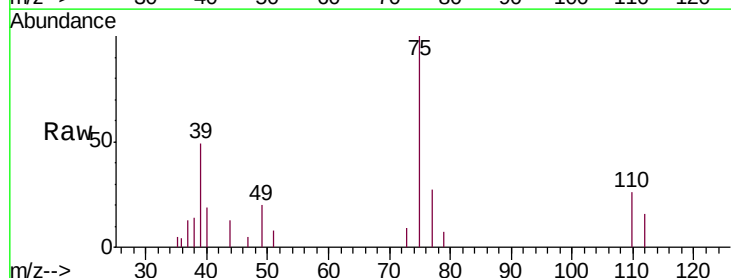
Acq: 16 Jul 2019 09:00

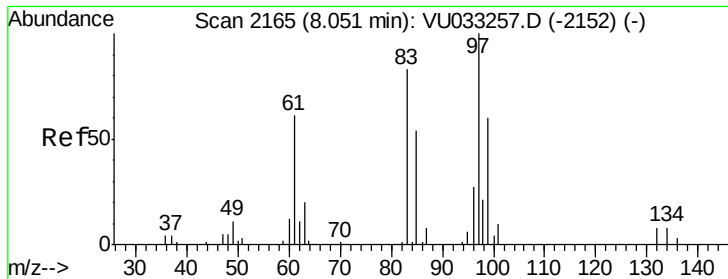
Tgt Ion: 75 Resp: 4865

Ion Ratio Lower Upper

75 100

77 27.2 21.6 40.0

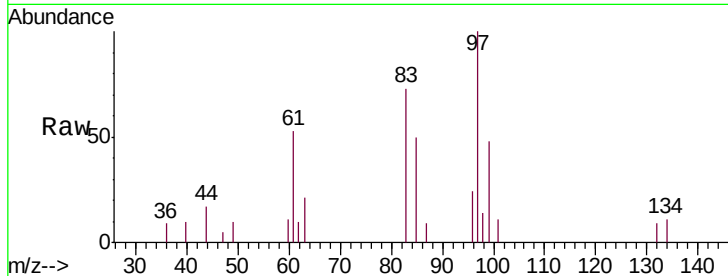




#45
 1,1,2-Trichloroethane
 Concen: 0.455 ug/L
 RT: 8.05 min Scan# 2166
 Delta R.T. 0.00 min
 Lab File: VU033255.D
 Acq: 16 Jul 2019 09:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

Tgt Ion:	97	Resp:	3452
Ion	Ratio	Lower	Upper
97	100		
99	47.9	42.3	78.5
83	73.4	58.0	107.6
85	49.9	37.8	70.2



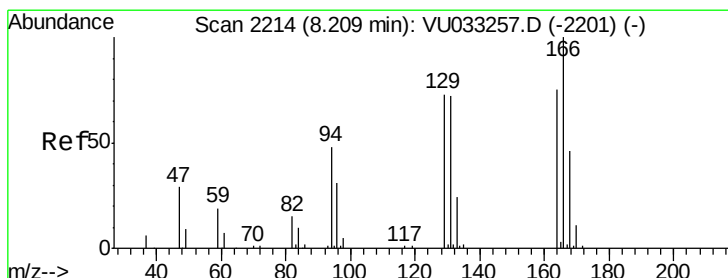
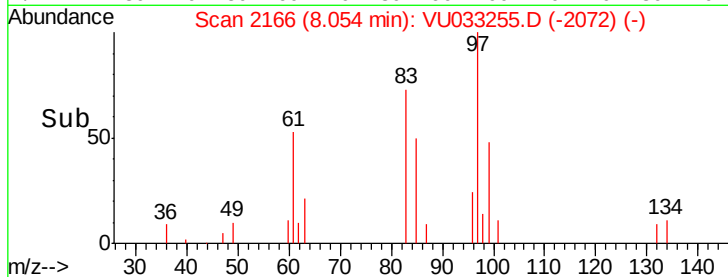
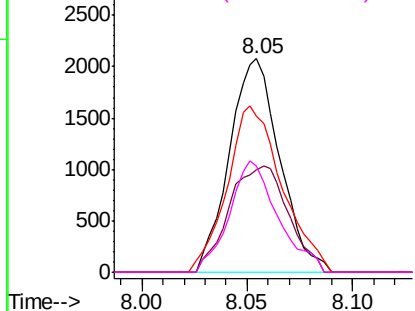
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

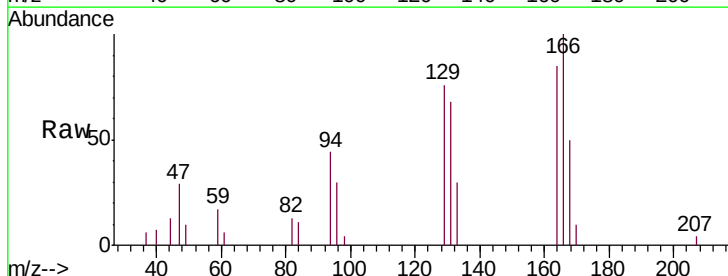
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 0.446 ug/L
 RT: 8.21 min Scan# 2215
 Delta R.T. 0.00 min
 Lab File: VU033255.D
 Acq: 16 Jul 2019 09:00

Tgt Ion:	164	Resp:	3908
Ion	Ratio	Lower	Upper
164	100		
129	89.5	68.5	127.1
131	79.4	67.3	124.9
166	117.6	93.1	172.9



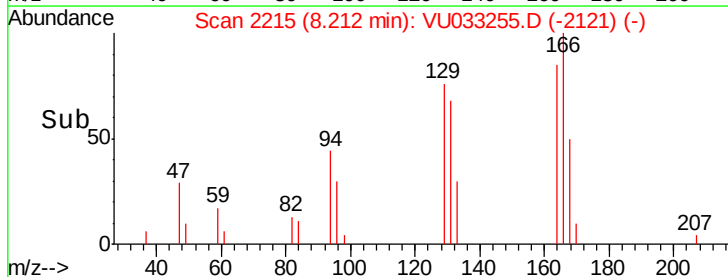
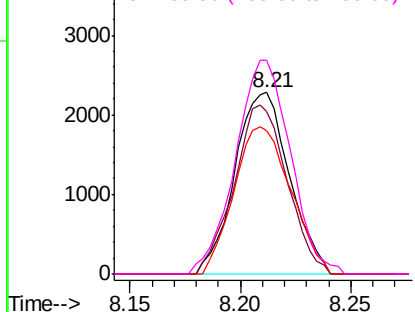
Abundance

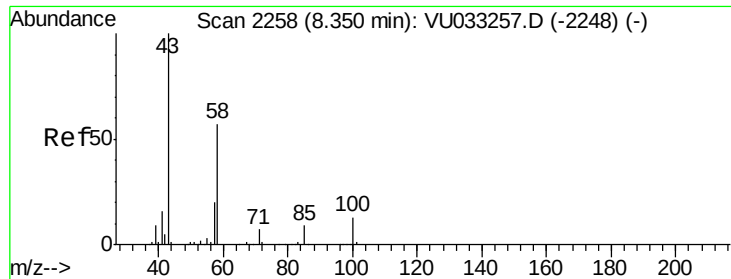
Ion 163.90 (163.60 to 164.60): V

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

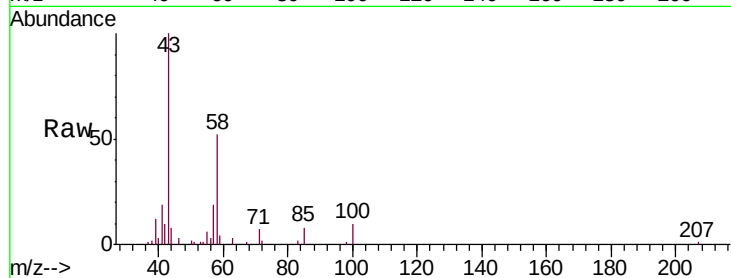




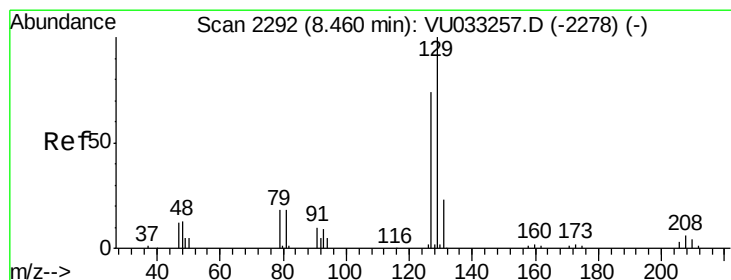
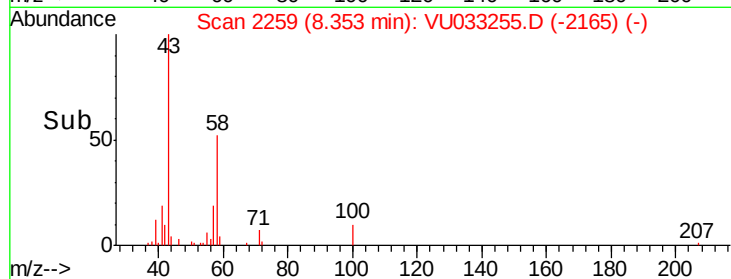
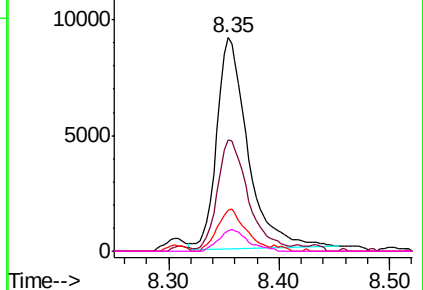
#48
2-Hexanone
Concen: 3.357 ug/L
RT: 8.35 min Scan# 2259
Delta R.T. 0.00 min
Lab File: VU033255.D
Acq: 16 Jul 2019 09:00

Instrument :
MSVOA_U
ClientSampled :
VSTD0.503

Tgt Ion: 43 Resp: 17767
Ion Ratio Lower Upper
43 100
58 50.1 44.1 66.1
57 18.4 15.8 23.8
100 9.7 9.4 14.2

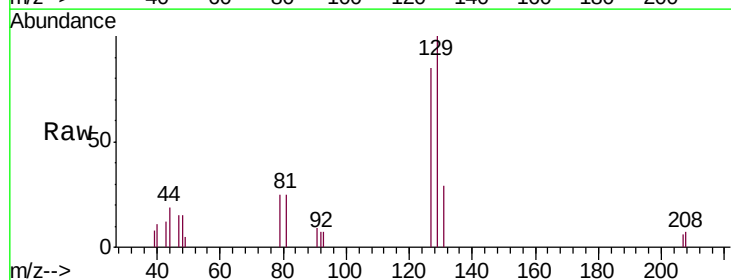


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

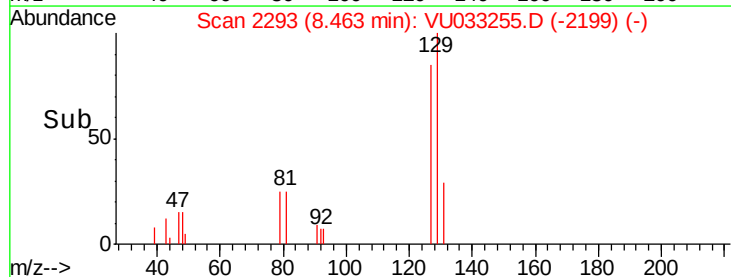
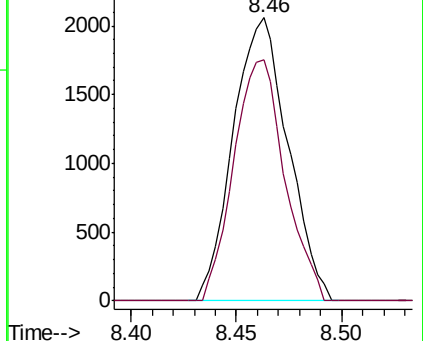


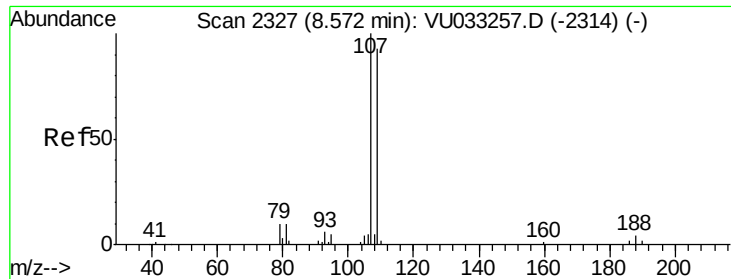
#49
Dibromochloromethane
Concen: 0.391 ug/L
RT: 8.46 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VU033255.D
Acq: 16 Jul 2019 09:00

Tgt Ion: 129 Resp: 3719
Ion Ratio Lower Upper
129 100
127 85.0 51.9 96.5



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





#50

1,2-Dibromoethane

Concen: 0.442 ug/L

RT: 8.58 min Scan# 2328

Delta R.T. 0.00 min

Lab File: VU033255.D

Acq: 16 Jul 2019 09:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

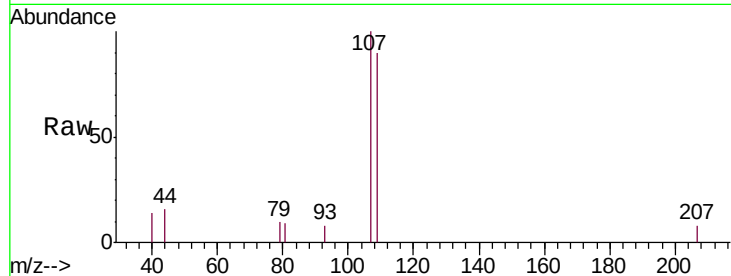
Tgt Ion:107 Resp: 3219

Ion Ratio Lower Upper

107 100

109 89.8 64.8 120.4

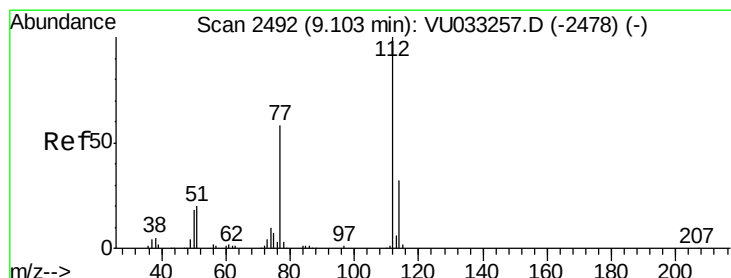
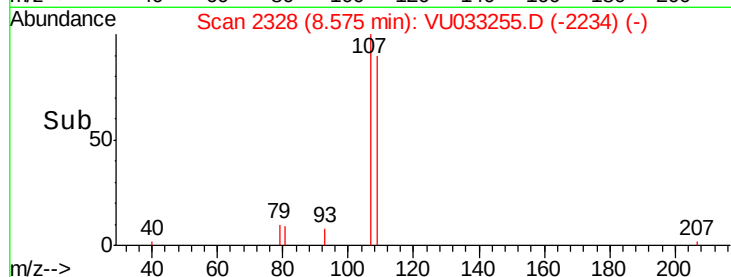
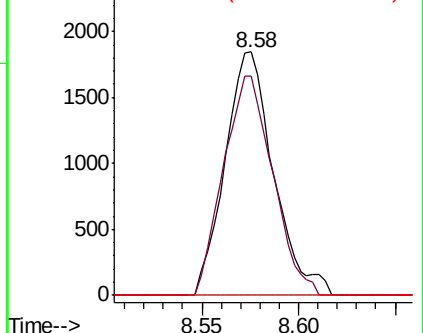
188 0.0 3.0 4.6#



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: 0.430 ug/L

RT: 9.11 min Scan# 2493

Delta R.T. 0.00 min

Lab File: VU033255.D

Acq: 16 Jul 2019 09:00

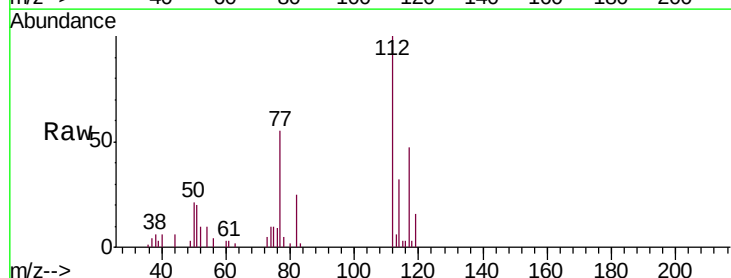
Tgt Ion:112 Resp: 12048

Ion Ratio Lower Upper

112 100

114 32.4 22.1 41.1

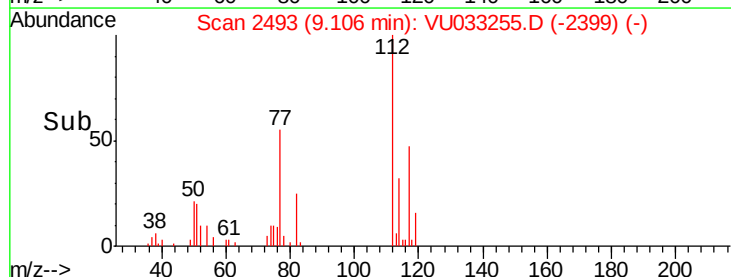
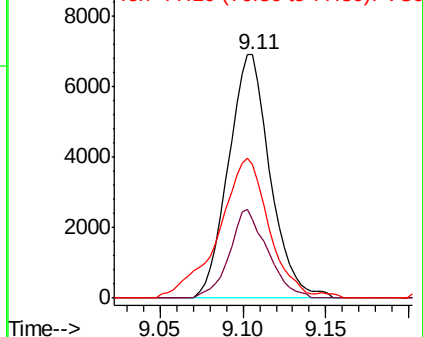
77 55.0 46.9 70.3

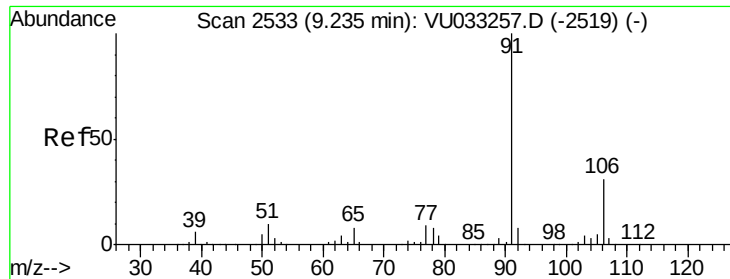


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 0.385 ug/L

RT: 9.23 min Scan# 2533

Delta R.T. -0.00 min

Lab File: VU033255.D

Acq: 16 Jul 2019 09:00

Instrument :

MSVOA_U

ClientSampleId :

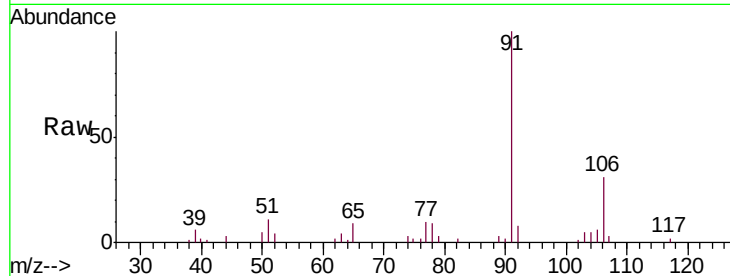
VSTD0.503

Tgt Ion: 91 Resp: 17870

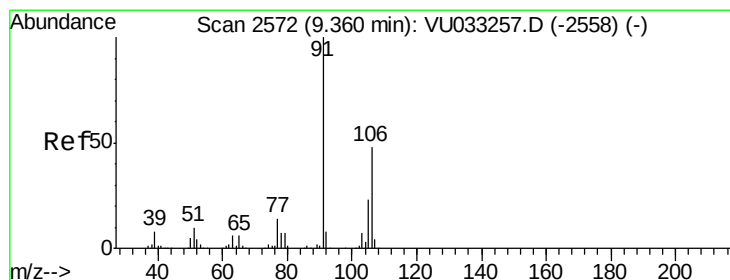
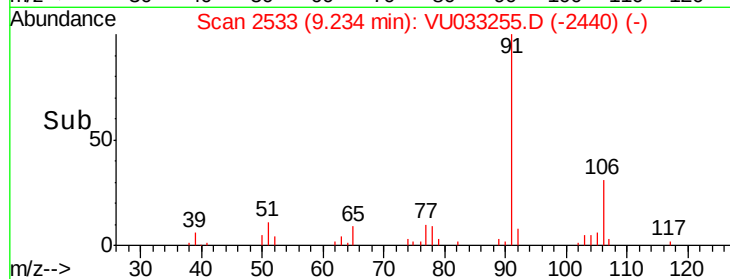
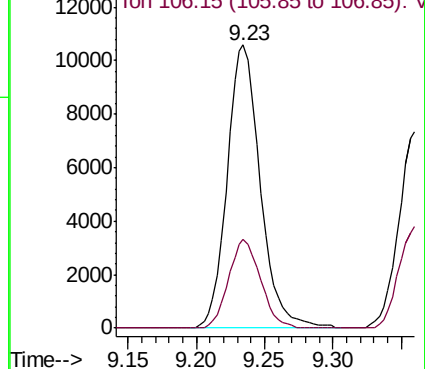
Ion Ratio Lower Upper

91 100

106 31.2 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VU033257.D (-2519) (-)



#53

m,p-Xylene

Concen: 0.378 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. -0.00 min

Lab File: VU033255.D

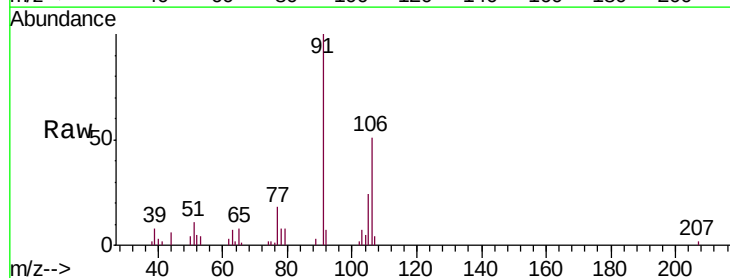
Acq: 16 Jul 2019 09:00

Tgt Ion: 106 Resp: 6448

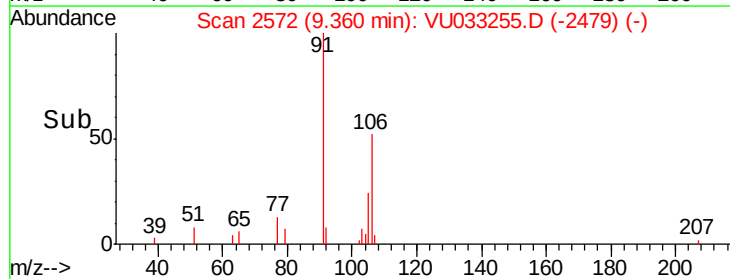
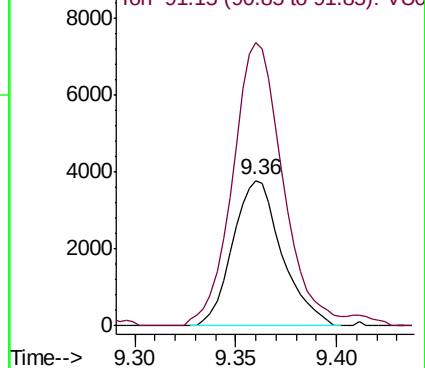
Ion Ratio Lower Upper

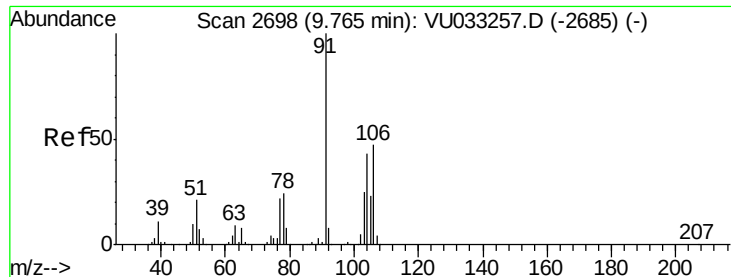
106 100

91 194.6 147.6 274.0



Abundance Ion 106.15 (105.85 to 106.85): VU033257.D (-2558) (-)

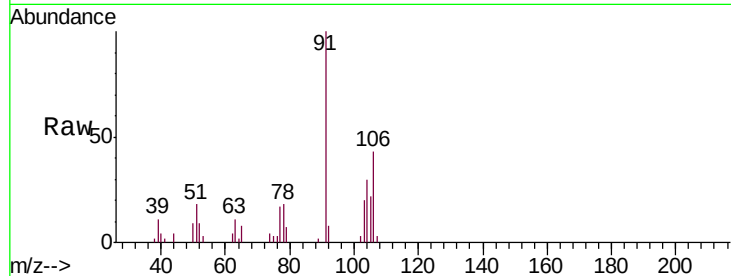




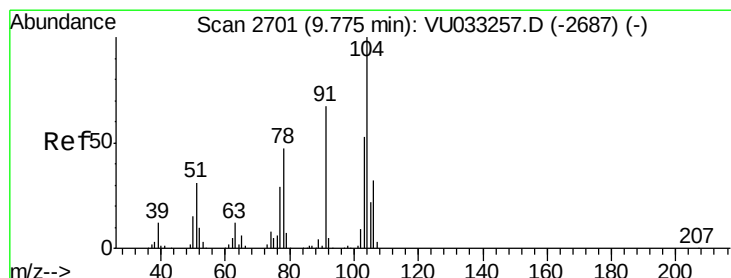
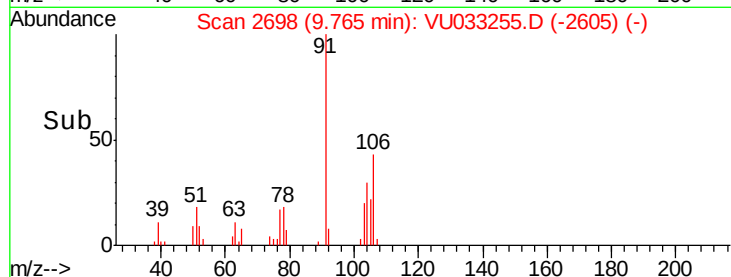
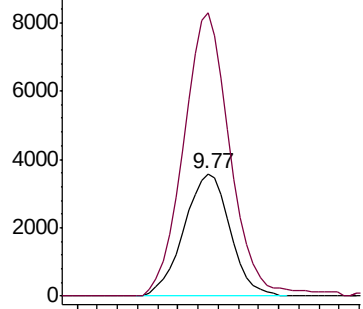
#54
o-Xylene
Concen: 0.345 ug/L
RT: 9.77 min Scan# 2698
Delta R.T. -0.00 min
Lab File: VU033255.D
Acq: 16 Jul 2019 09:00

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.503

Tgt Ion:106 Resp: 5734
Ion Ratio Lower Upper
106 100
91 230.6 148.5 275.7

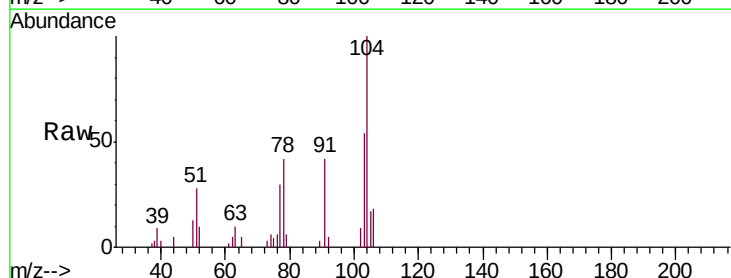


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

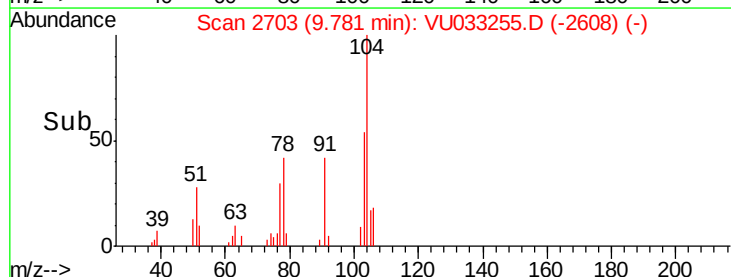
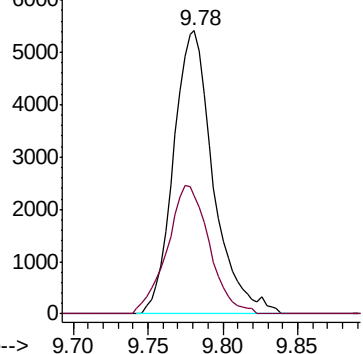


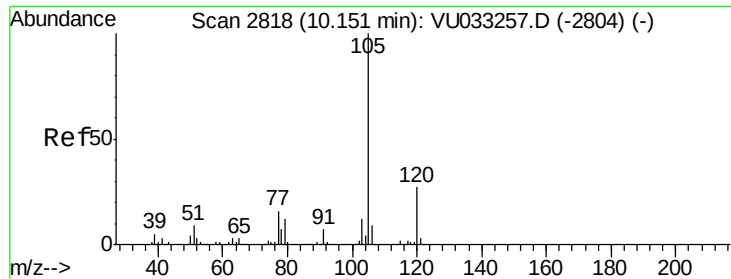
#55
Styrene
Concen: 0.357 ug/L
RT: 9.78 min Scan# 2703
Delta R.T. 0.01 min
Lab File: VU033255.D
Acq: 16 Jul 2019 09:00

Tgt Ion:104 Resp: 10039
Ion Ratio Lower Upper
104 100
78 41.8 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: 0.351 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. -0.00 min

Lab File: VU033255.D

Acq: 16 Jul 2019 09:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

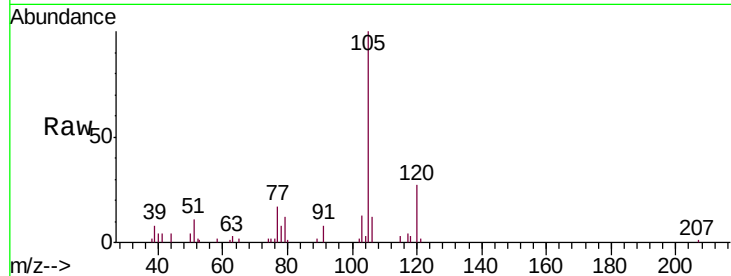
Tgt Ion: 105 Resp: 15540

Ion Ratio Lower Upper

105 100

120 27.4 21.3 31.9

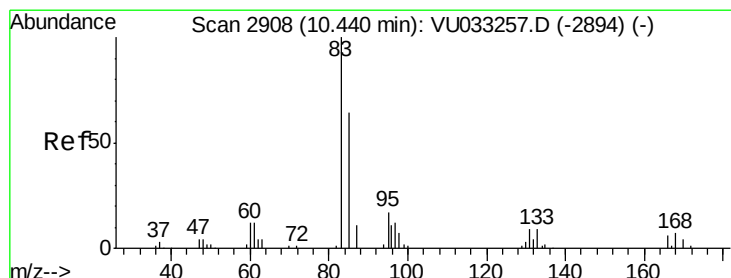
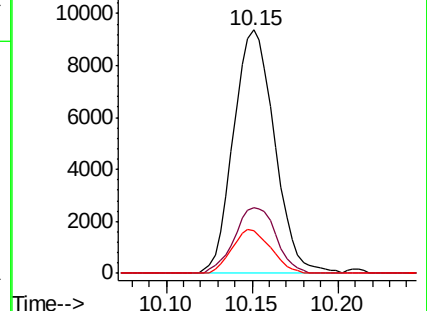
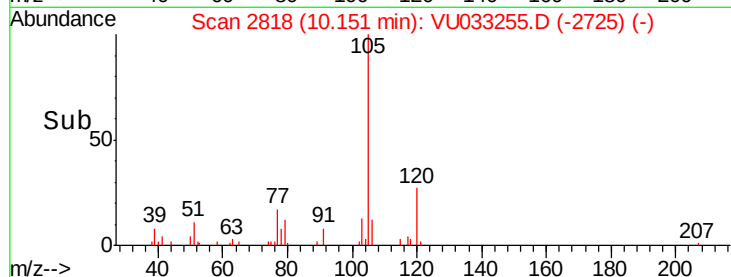
77 17.0 13.0 19.4



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: 0.424 ug/L

RT: 10.44 min Scan# 2909

Delta R.T. 0.00 min

Lab File: VU033255.D

Acq: 16 Jul 2019 09:00

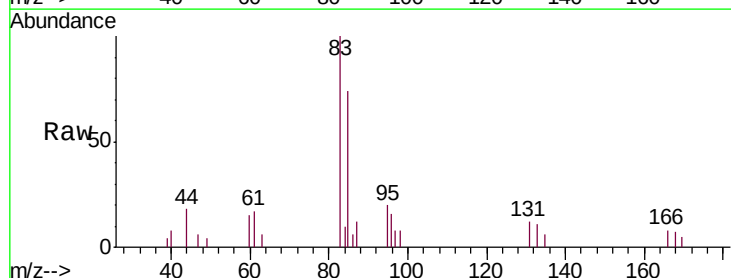
Tgt Ion: 83 Resp: 4122

Ion Ratio Lower Upper

83 100

85 74.3 44.6 82.8

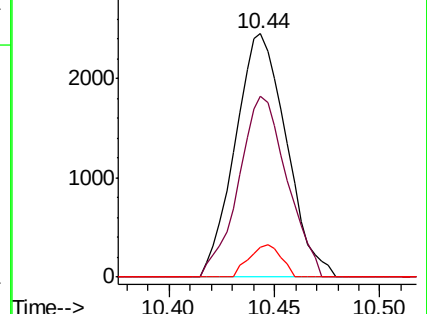
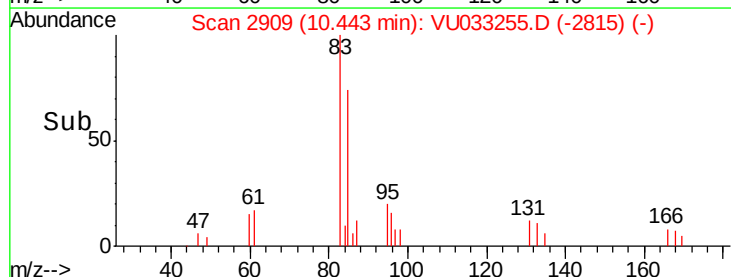
131 12.3 7.4 11.2#

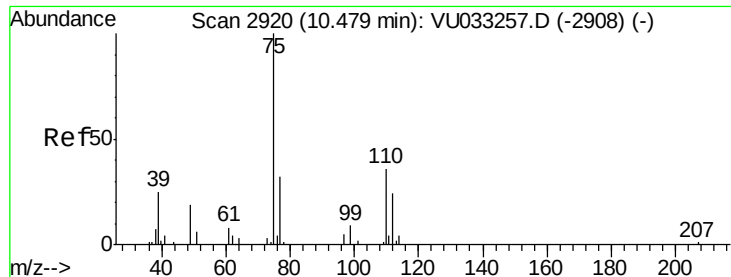


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

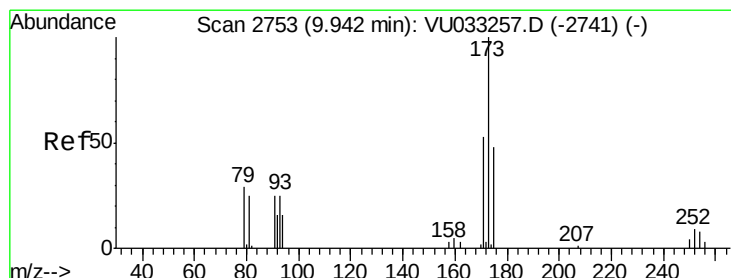
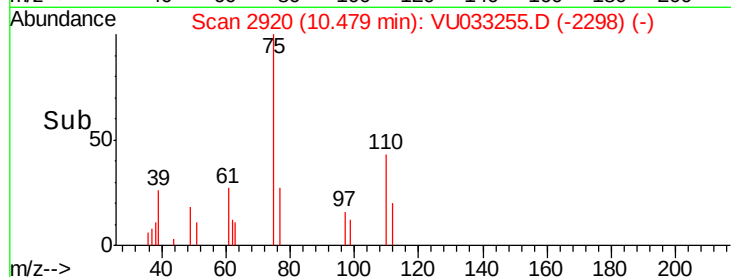
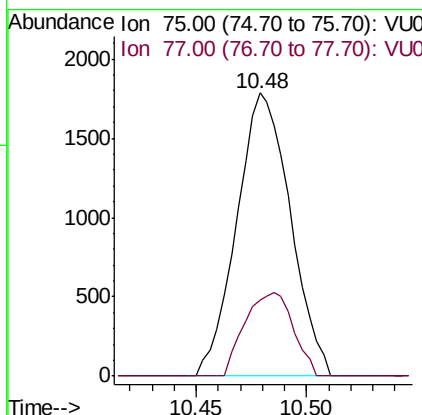
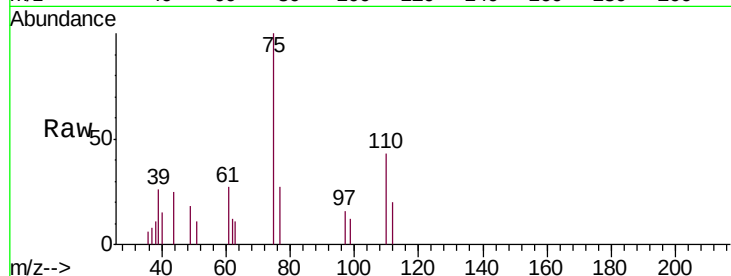




#59
 1,2,3-Trichloropropane
 Concen: 0.411 ug/L
 RT: 10.48 min Scan# 2920
 Delta R.T. -0.00 min
 Lab File: VU033255.D
 Acq: 16 Jul 2019 09:00

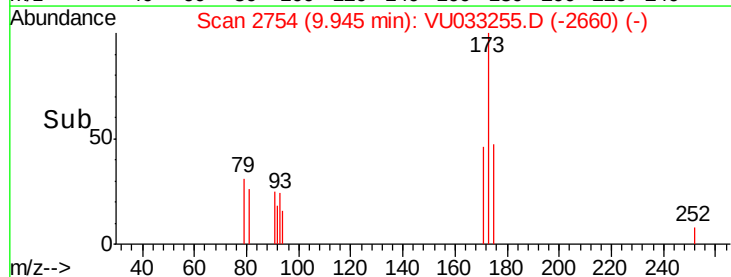
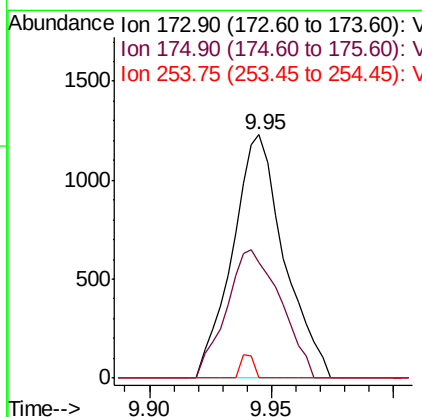
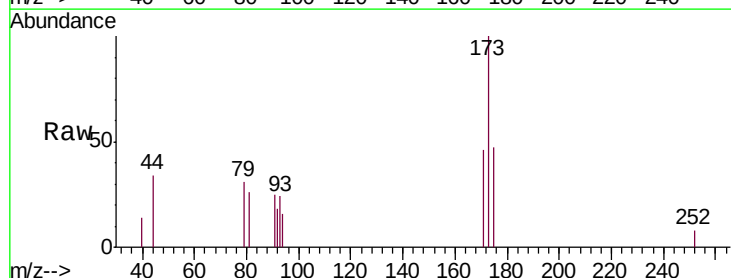
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

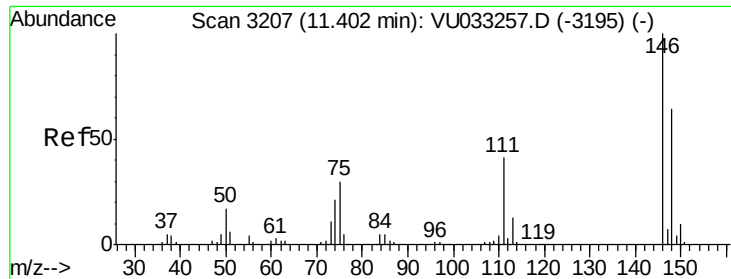
Tgt Ion: 75 Resp: 3018
 Ion Ratio Lower Upper
 75 100
 77 26.6 26.5 39.7



#61
 Bromoform
 Concen: 0.385 ug/L
 RT: 9.95 min Scan# 2754
 Delta R.T. 0.00 min
 Lab File: VU033255.D
 Acq: 16 Jul 2019 09:00

Tgt Ion: 173 Resp: 1806
 Ion Ratio Lower Upper
 173 100
 175 55.6 37.2 55.8
 254 2.4 6.6 9.8#

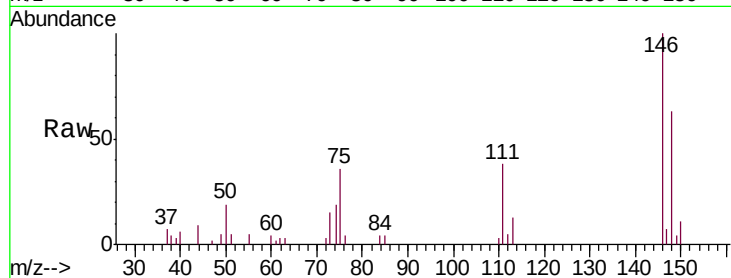




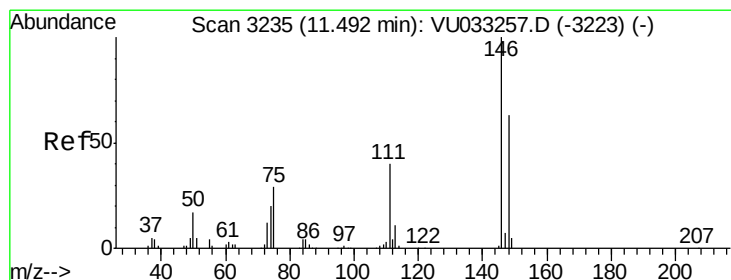
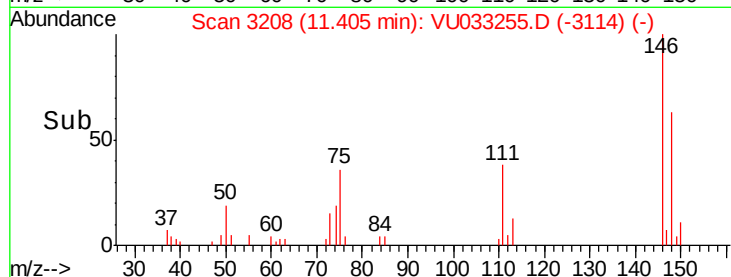
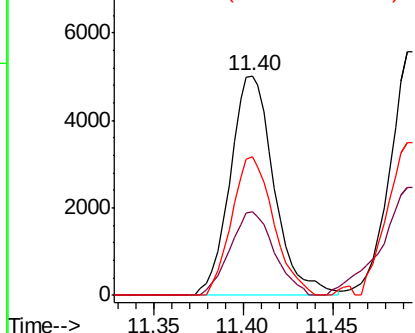
#62
 1,3-Dichlorobenzene
 Concen: 0.441 ug/L
 RT: 11.40 min Scan# 3208
 Delta R.T. 0.00 min
 Lab File: VU033255.D
 Acq: 16 Jul 2019 09:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

Tgt Ion:146 Resp: 8597
 Ion Ratio Lower Upper
 146 100
 111 38.3 28.6 53.2
 148 63.0 45.0 83.6

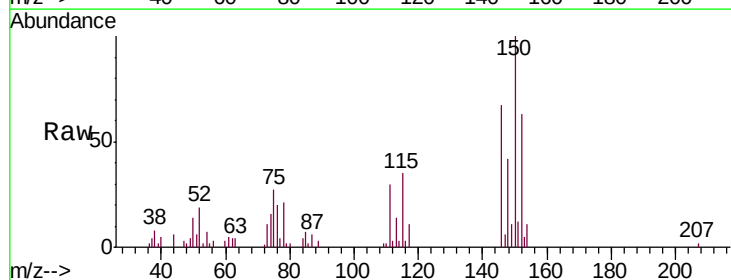


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

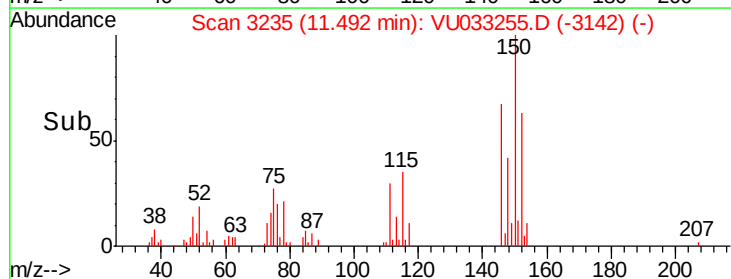
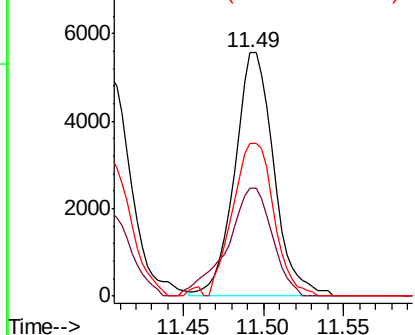


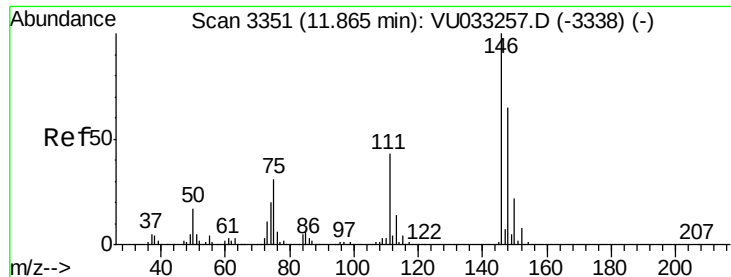
#63
 1,4-Dichlorobenzene
 Concen: 0.455 ug/L
 RT: 11.49 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU033255.D
 Acq: 16 Jul 2019 09:00

Tgt Ion:146 Resp: 9263
 Ion Ratio Lower Upper
 146 100
 111 44.5 27.9 51.7
 148 62.7 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

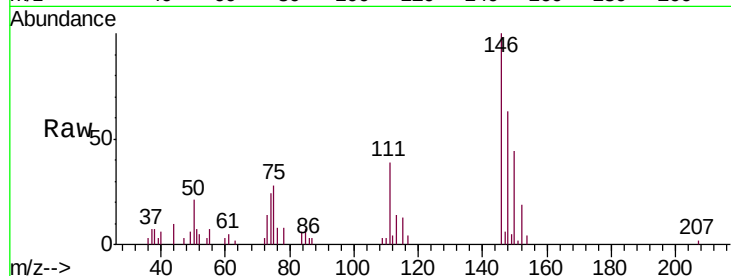




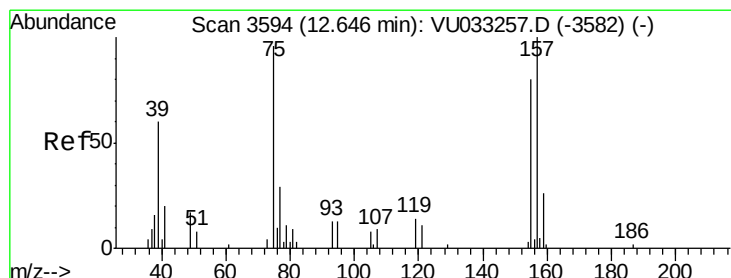
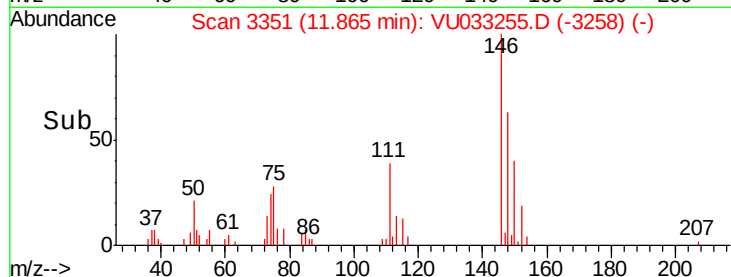
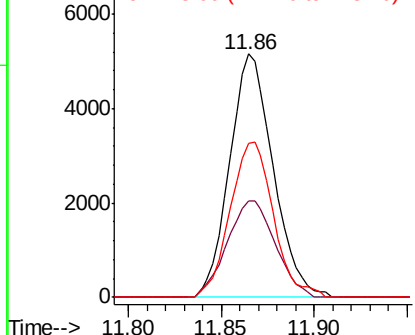
#65
 1,2-Dichlorobenzene
 Concen: 0.440 ug/L
 RT: 11.86 min Scan# 3351
 Delta R.T. -0.00 min
 Lab File: VU033255.D
 Acq: 16 Jul 2019 09:00

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.503

Tgt Ion: 146 Resp: 8399
 Ion Ratio Lower Upper
 146 100
 111 39.5 34.2 51.4
 148 63.0 52.0 78.0

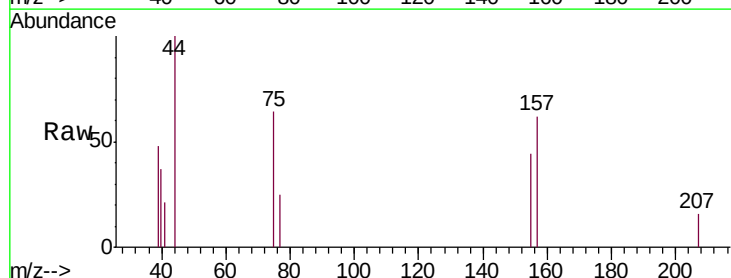


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

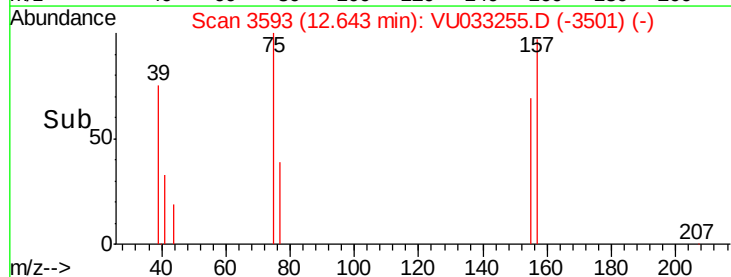
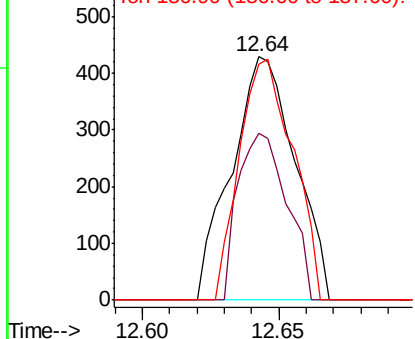


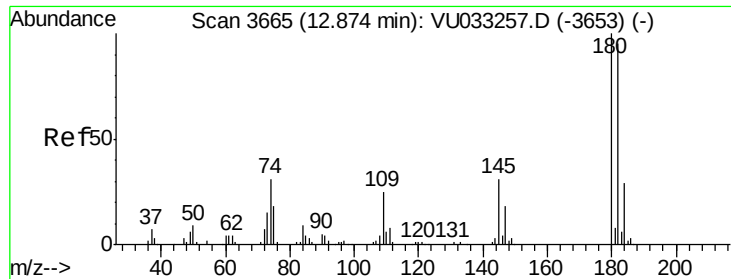
#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.518 ug/L
 RT: 12.64 min Scan# 3593
 Delta R.T. -0.00 min
 Lab File: VU033255.D
 Acq: 16 Jul 2019 09:00

Tgt Ion: 75 Resp: 695
 Ion Ratio Lower Upper
 75 100
 155 68.8 67.1 100.7
 157 97.0 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: 0.423 ug/L

RT: 12.87 min Scan# 3665

Delta R.T. -0.00 min

Lab File: VU033255.D

Acq: 16 Jul 2019 09:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

Tgt Ion:180 Resp: 6440

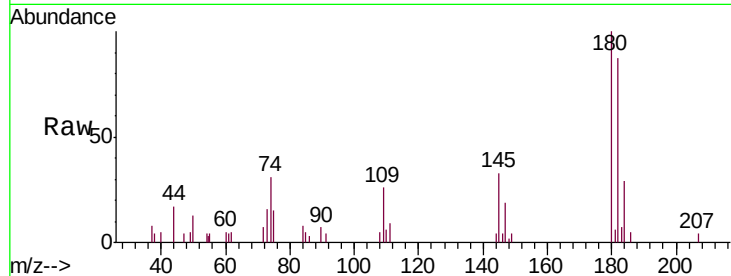
Ion Ratio Lower Upper

180 100

182 95.8 76.0 114.0

184 27.9 24.2 36.2

145 33.1 24.6 37.0

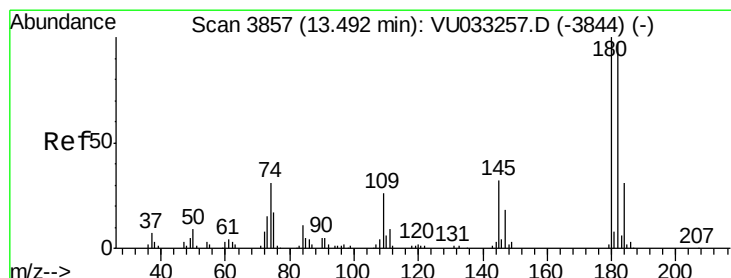
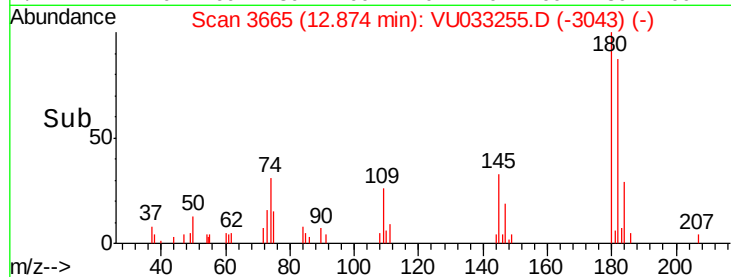
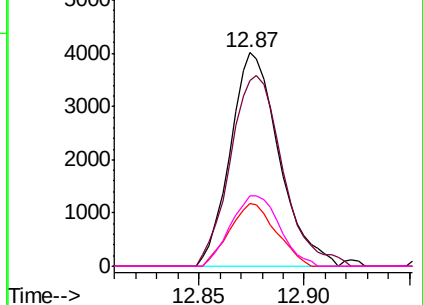


Abundance Ion 180.00 (179.70 to 180.70): V

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: 0.449 ug/L

RT: 13.49 min Scan# 3857

Delta R.T. -0.00 min

Lab File: VU033255.D

Acq: 16 Jul 2019 09:00

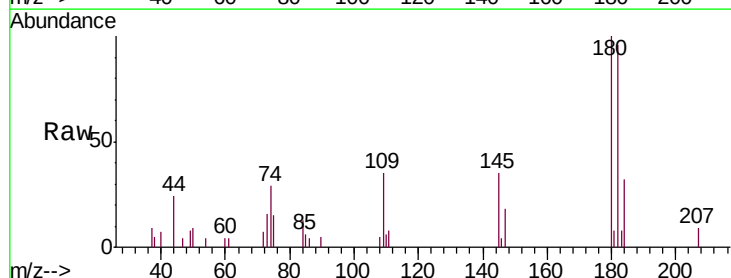
Tgt Ion:180 Resp: 4991

Ion Ratio Lower Upper

180 100

182 94.7 77.3 115.9

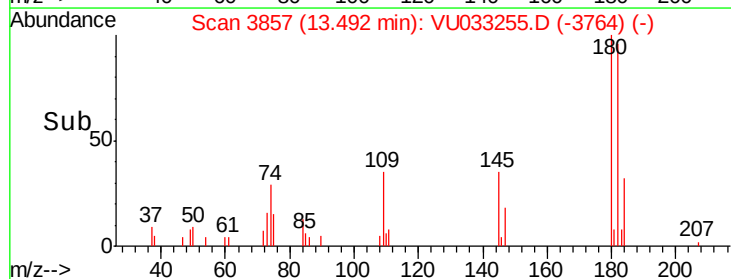
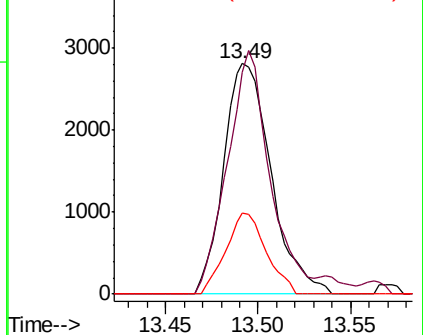
145 29.9 24.5 36.7

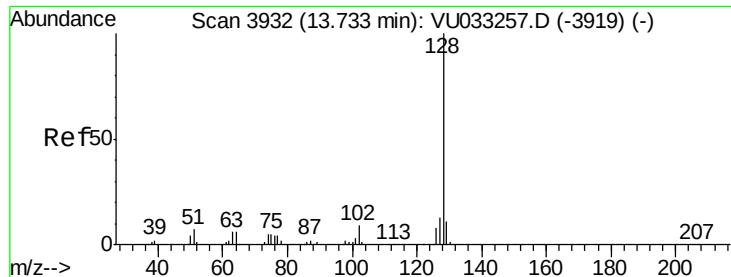


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.450 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. 0.00 min

Lab File: VU033255.D

Acq: 16 Jul 2019 09:00

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.503

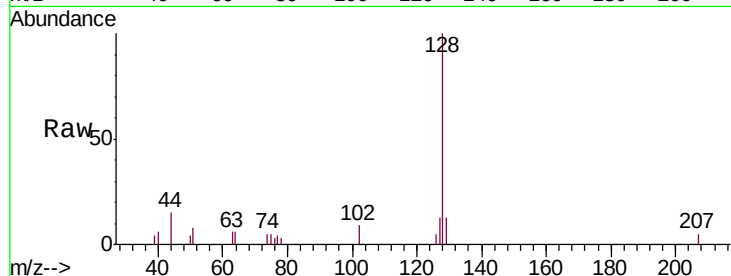
Tgt Ion:128 Resp: 7642

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

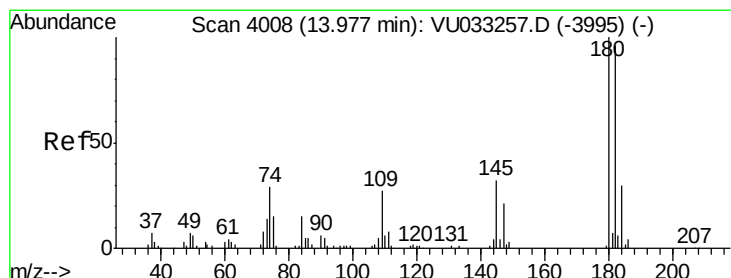
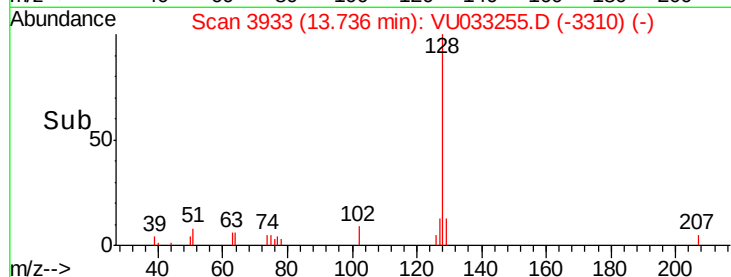
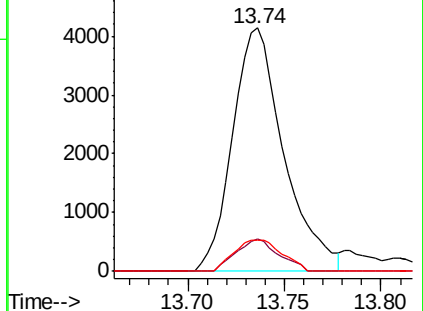
127 12.0 10.6 15.8



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: 0.444 ug/L

RT: 13.98 min Scan# 4008

Delta R.T. -0.00 min

Lab File: VU033255.D

Acq: 16 Jul 2019 09:00

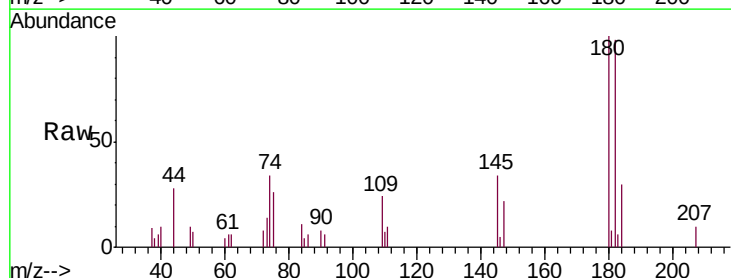
Tgt Ion:180 Resp: 4702

Ion Ratio Lower Upper

180 100

182 95.1 77.0 115.4

145 32.2 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

