

Data File : VU033690.D
Acq On : 09 Aug 2019 17:49
Operator : JC/SP
Sample : VSTD01033
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD01033

Quant Time: Aug 10 03:52:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080919WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Aug 10 03:47:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	421388	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	401297	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	214776	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	29912	6.78	ug/L	0.00
7) Chloroethane-d5	1.67	69	24261	6.41	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	50480	7.06	ug/L	0.00
21) 2-Butanone-d5	4.16	46	35491	11.23	ug/L	0.00
24) Chloroform-d	4.62	84	43266	5.98	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	27057	5.86	ug/L	0.00
32) Benzene-d6	5.32	84	89962	6.55	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	26525	6.09	ug/L	0.00
41) Toluene-d8	7.55	98	81658	6.43	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	13144	6.16	ug/L	0.00
47) 2-Hexanone-d5	8.30	63	26415	12.03	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	39650	5.83	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	33491	6.18	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	33803	9.154 ug/L	99
3) Chloromethane	1.32	50	35138	8.756 ug/L	94
5) Vinyl chloride	1.39	62	38512	8.877 ug/L	100
6) Bromomethane	1.62	94	25363	8.582 ug/L	100
8) Chloroethane	1.69	64	24284	8.710 ug/L	95
9) Trichlorofluoromethane	1.87	101	52727	9.140 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	27096	9.097 ug/L	99
12) 1,1-Dichloroethene	2.27	96	26716	9.339 ug/L	95
13) Acetone	2.32	43	44876	19.916 ug/L	99
14) Carbon disulfide	2.46	76	74939	8.838 ug/L	99
15) Methyl Acetate	2.60	43	34565	9.410 ug/L	95
16) Methylene chloride	2.68	84	31426	9.243 ug/L	97
17) trans-1,2-Dichloroethene	2.96	96	28726	9.605 ug/L	97
18) Methyl tert-butyl Ether	2.98	73	92776	9.816 ug/L	99
19) 1,1-Dichloroethane	3.42	63	54342	9.369 ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	32386	9.592 ug/L	98
22) 2-Butanone	4.25	43	51938	18.276 ug/L	94
23) Bromochloromethane	4.52	128	16151	9.038 ug/L	97
25) Chloroform	4.65	83	56657	9.354 ug/L	99
27) 1,2-Dichloroethane	5.38	62	42381	9.001 ug/L	97
29) Cyclohexane	4.97	56	44583	9.947 ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	46404	9.573 ug/L	99
31) Carbon tetrachloride	5.11	117	41638	9.739 ug/L	98
33) Benzene	5.37	78	121747	9.986 ug/L	100
34) Trichloroethene	6.17	95	32013	10.183 ug/L	98
35) Methylcyclohexane	6.39	83	46865	9.782 ug/L	100
37) 1,2-Dichloropropane	6.41	63	32169	9.740 ug/L	100
38) Bromodichloromethane	6.74	83	40793	9.551 ug/L	98
39) cis-1,3-Dichloropropene	7.25	75	50104	10.233 ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	91988	19.190 ug/L	98

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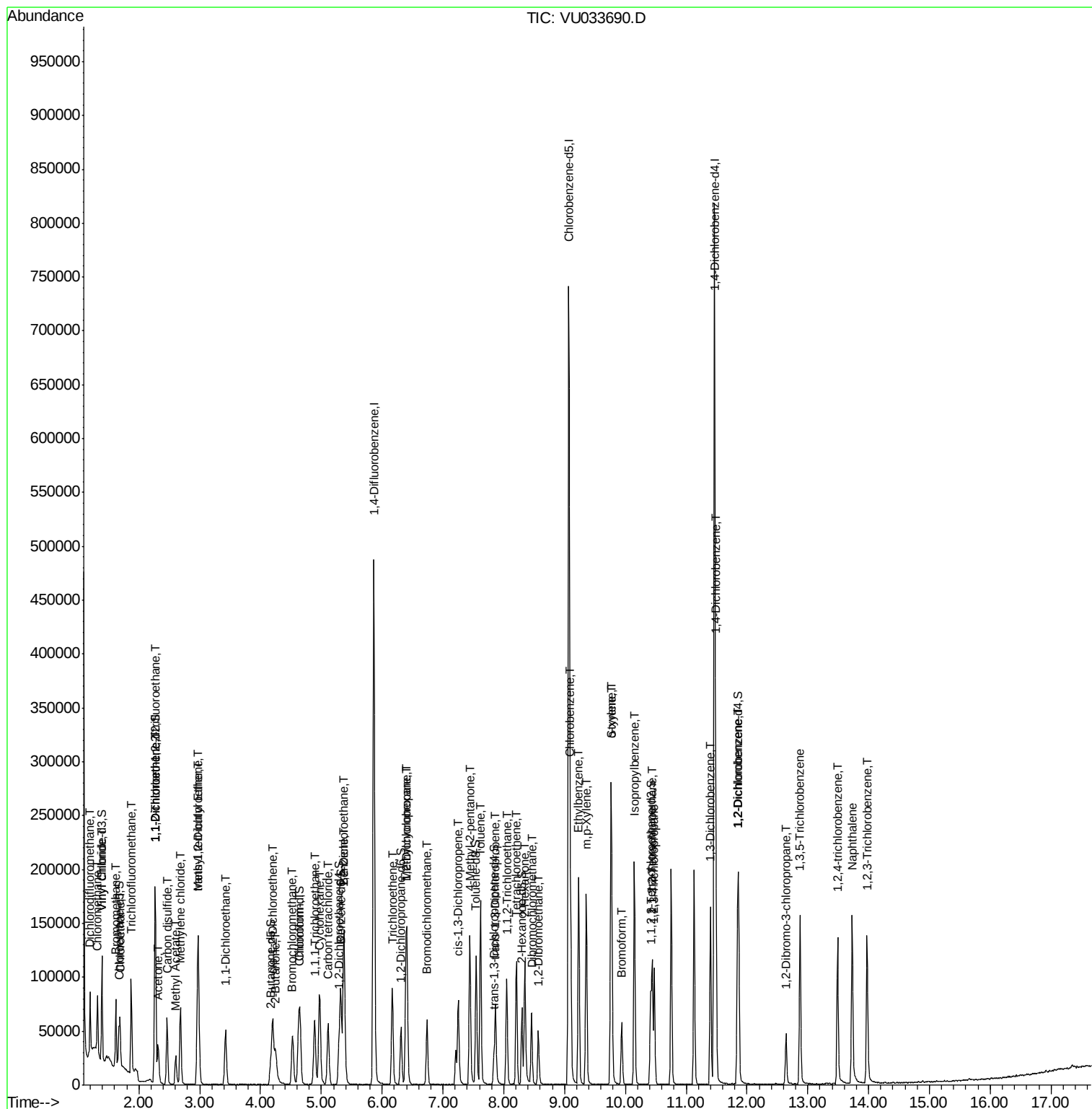
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	128596	9.815	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	43977	9.506	ug/L	98
45) 1,1,2-Trichloroethane	8.05	97	31380	9.937	ug/L	98
46) Tetrachloroethene	8.21	164	25838	10.072	ug/L	98
48) 2-Hexanone	8.35	43	72932	18.575	ug/L	98
49) Dibromochloromethane	8.46	129	34031	9.467	ug/L	99
50) 1,2-Dibromoethane	8.57	107	33954	9.898	ug/L	100
51) Chlorobenzene	9.10	112	85095	9.876	ug/L	100
52) Ethylbenzene	9.23	91	139379	9.875	ug/L	97
53) m,p-Xylene	9.36	106	52925	9.906	ug/L	95
54) o-xylene	9.76	106	53118	10.015	ug/L	93
55) Styrene	9.77	104	85225	9.464	ug/L	97
56) Isopropylbenzene	10.15	105	136758	9.988	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	54818	9.455	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	44216	9.842	ug/L	99
61) Bromoform	9.94	173	27299	9.780	ug/L	98
62) 1,3-Dichlorobenzene	11.40	146	69891	9.950	ug/L	100
63) 1,4-Dichlorobenzene	11.49	146	71582	9.853	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	68653	9.675	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	12350	9.322	ug/L	95
67) 1,3,5-Trichlorobenzene	12.87	180	54640	10.183	ug/L	98
68) 1,2,4-trichlorobenzene	13.49	180	46933	10.380	ug/L	98
69) Naphthalene	13.73	128	135654	10.246	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	49728	10.612	ug/L	99

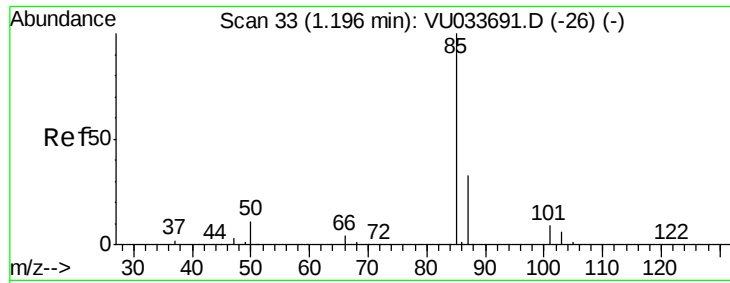
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 9.154 ug/L

RT: 1.20 min Scan# 33

Delta R.T. 0.00 min

Lab File: VU033690.D

Acq: 09 Aug 2019 17:49

Instrument :

MSVOA_U

ClientSampleId :

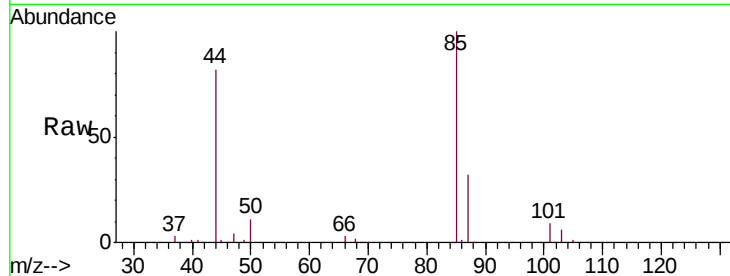
VSTD01033

Tgt Ion: 85 Resp: 33803

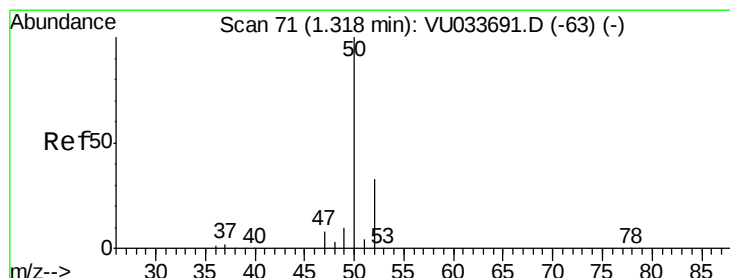
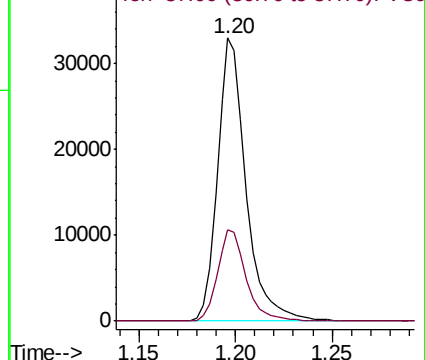
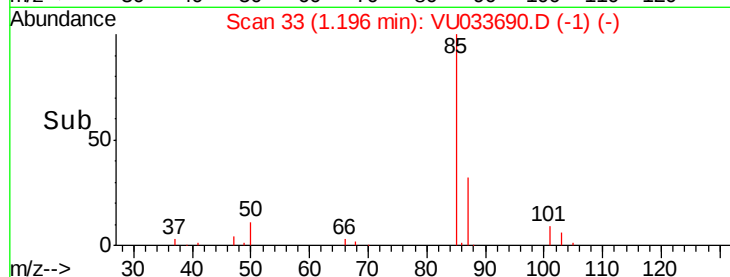
Ion Ratio Lower Upper

85 100

87 32.2 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VU033690.D (-1) (-)



#3

Chloromethane

Concen: 8.756 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU033690.D

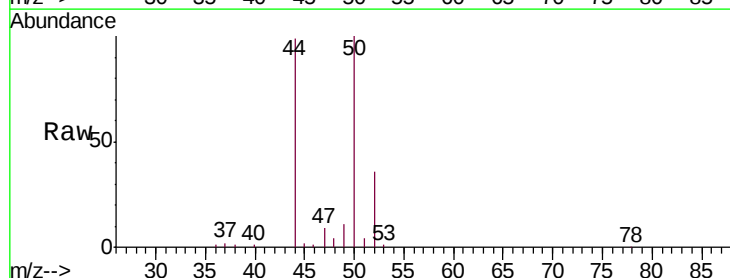
Acq: 09 Aug 2019 17:49

Tgt Ion: 50 Resp: 35138

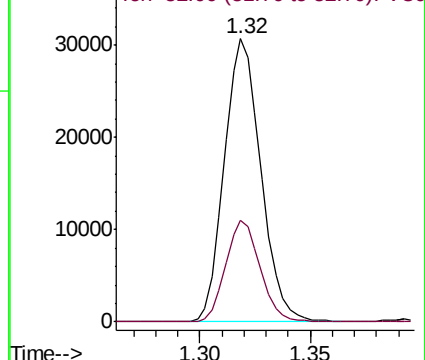
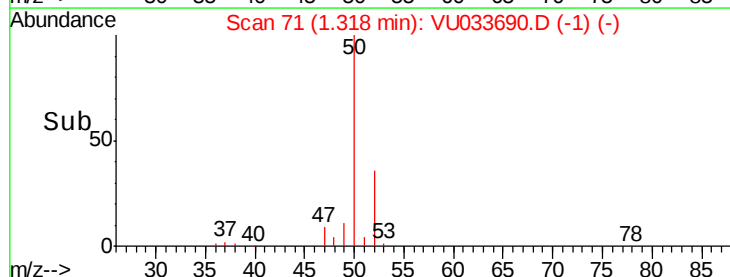
Ion Ratio Lower Upper

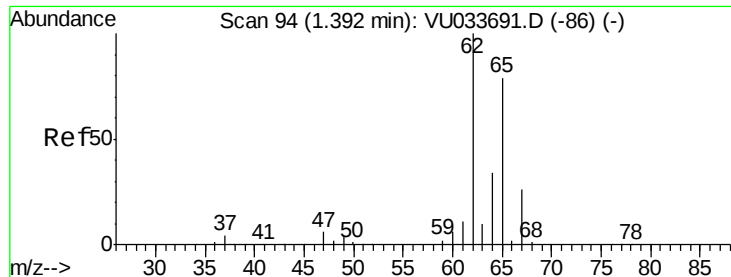
50 100

52 36.1 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VU033690.D (-1) (-)





#5

Vinyl chloride

Concen: 8.877 ug/L

RT: 1.39 min Scan# 94

Delta R.T. 0.00 min

Lab File: VU033690.D

Acq: 09 Aug 2019 17:49

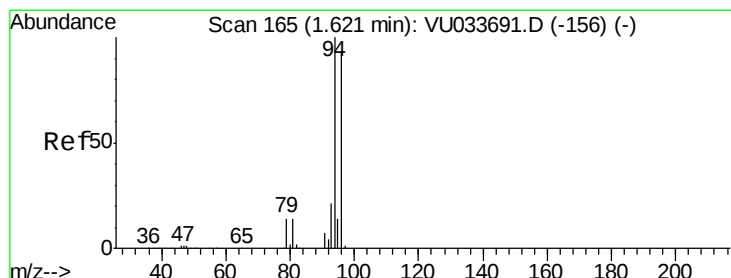
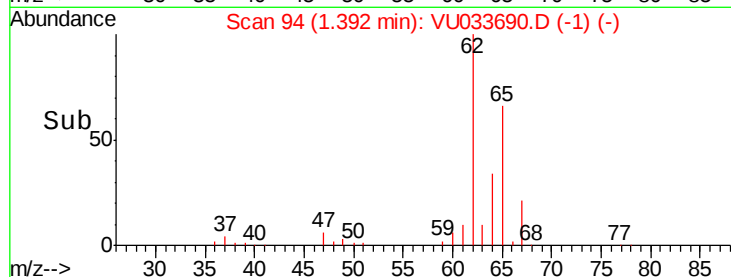
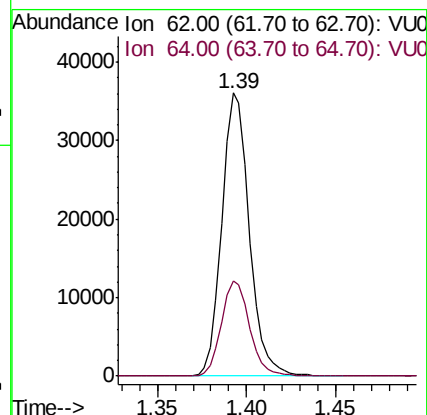
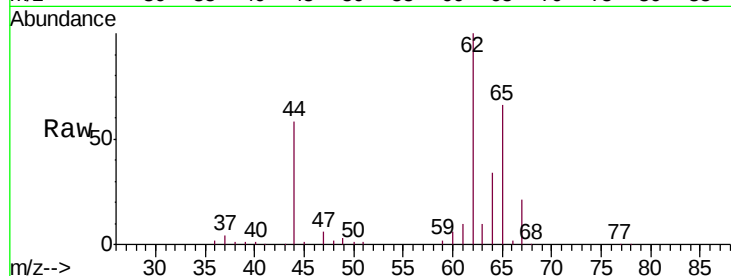
Instrument :
MSVOA_U
ClientSampleId :
VSTD01033

Tgt Ion: 62 Resp: 38512

Ion Ratio Lower Upper

62 100

64 33.6 23.7 43.9



#6

Bromomethane

Concen: 8.582 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU033690.D

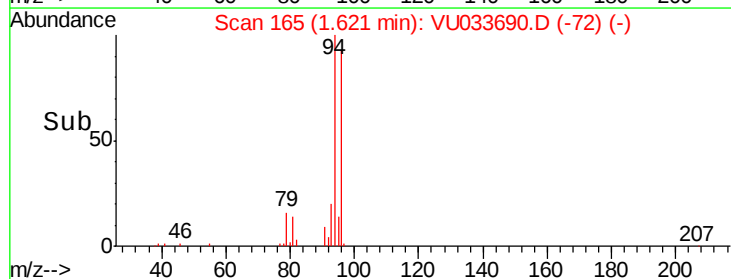
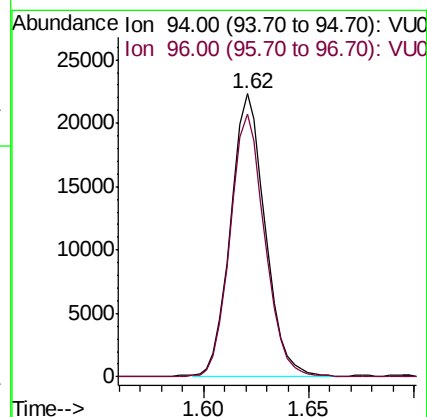
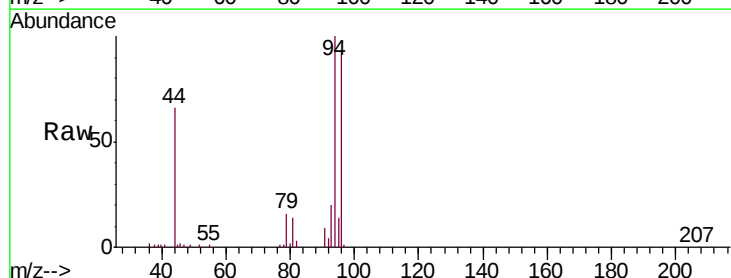
Acq: 09 Aug 2019 17:49

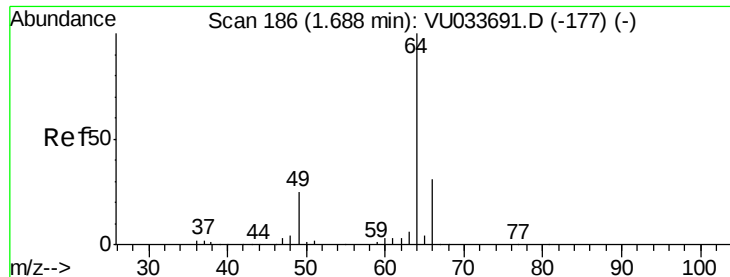
Tgt Ion: 94 Resp: 25363

Ion Ratio Lower Upper

94 100

96 93.0 65.0 120.6





#8

Chloroethane

Concen: 8.710 ug/L

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU033690.D

Acq: 09 Aug 2019 17:49

Instrument :

MSVOA_U

ClientSampleId :

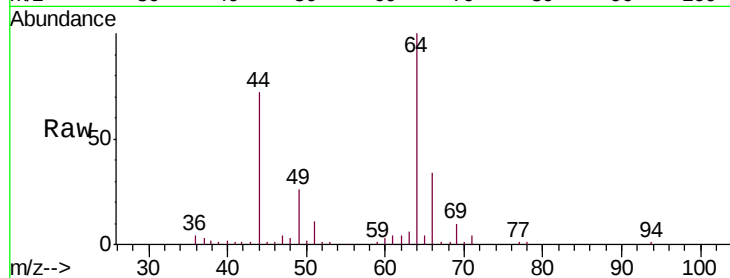
VSTD01033

Tgt Ion: 64 Resp: 24284

Ion Ratio Lower Upper

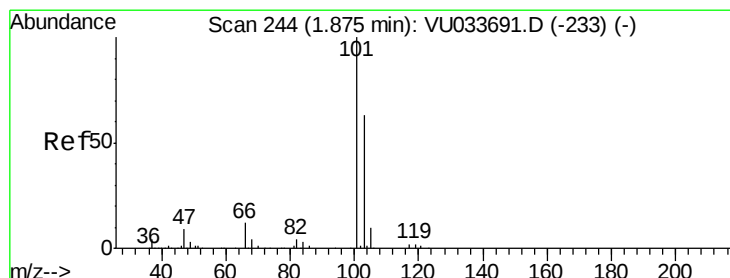
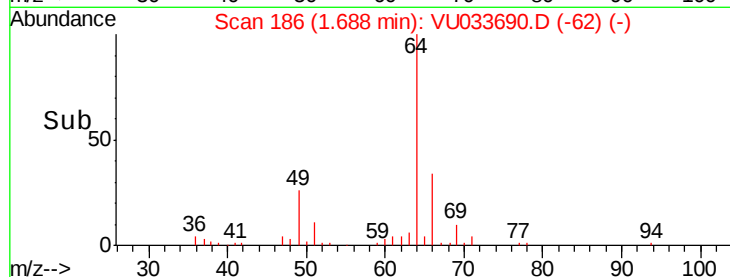
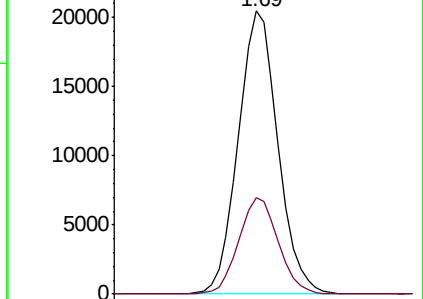
64 100

66 34.1 22.0 41.0



Abundance Ion 64.00 (63.70 to 64.70): VU033690.D (-177) (-)

Ion 66.00 (65.70 to 66.70): VU033690.D (-177) (-)



#9

Trichlorofluoromethane

Concen: 9.140 ug/L

RT: 1.87 min Scan# 244

Delta R.T. 0.00 min

Lab File: VU033690.D

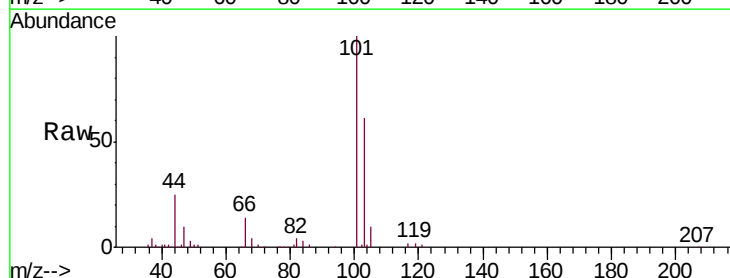
Acq: 09 Aug 2019 17:49

Tgt Ion: 101 Resp: 52727

Ion Ratio Lower Upper

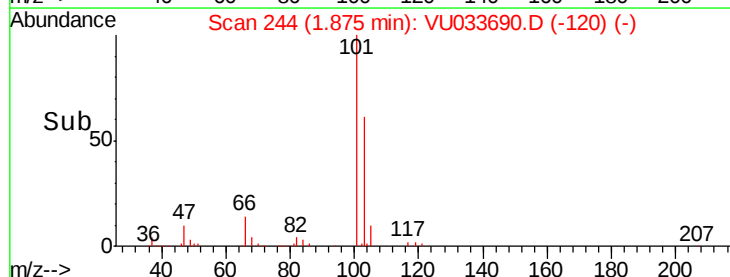
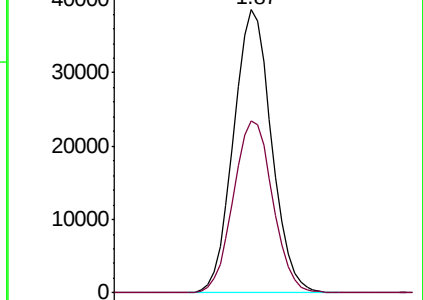
101 100

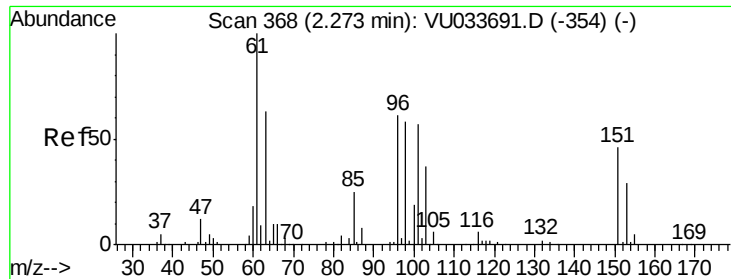
103 62.9 51.0 76.6



Abundance Ion 101.00 (100.70 to 101.70): VU033690.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU033690.D (-233) (-)





#10

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

Concen: 9.097 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033690.D

Acq: 09 Aug 2019 17:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD01033

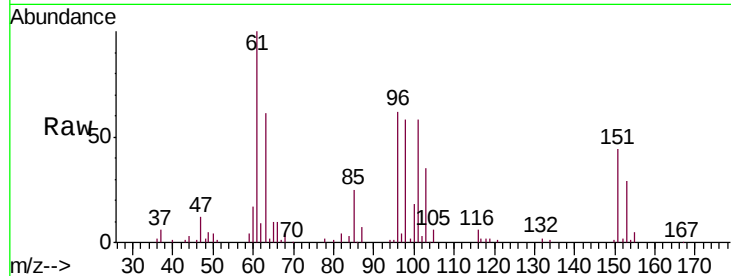
Tgt Ion: 101 Resp: 27096

Ion Ratio Lower Upper

101 100

85 42.6 34.5 51.7

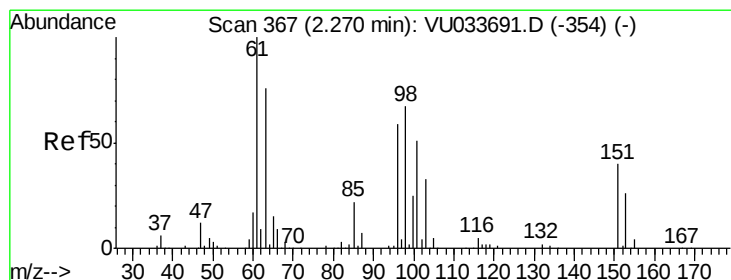
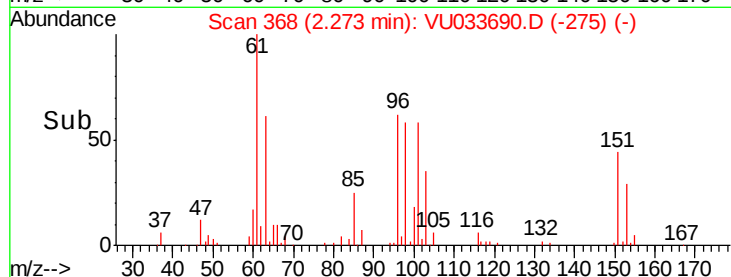
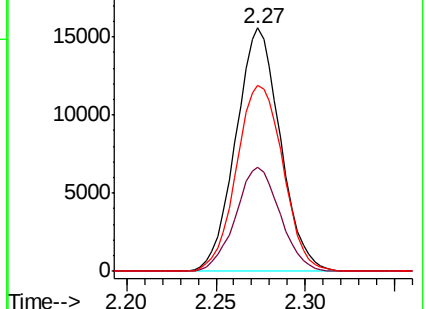
151 80.0 63.0 94.4



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: 9.339 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033690.D

Acq: 09 Aug 2019 17:49

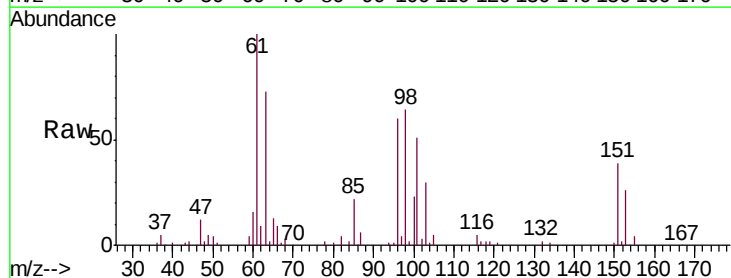
Tgt Ion: 96 Resp: 26716

Ion Ratio Lower Upper

96 100

61 166.0 118.2 219.6

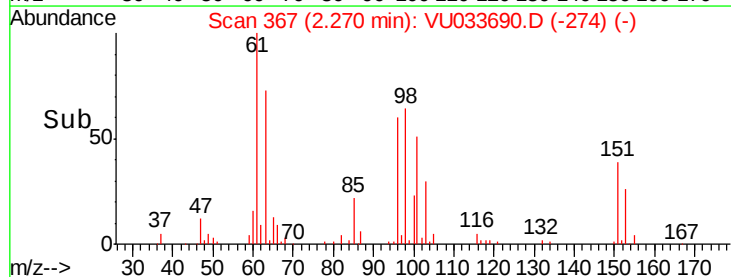
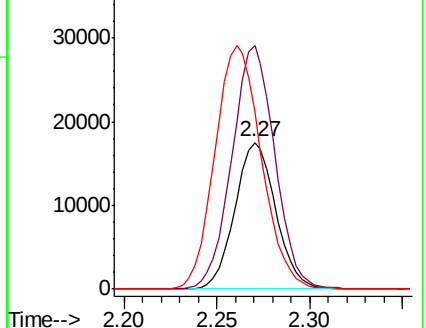
63 120.7 90.7 168.5

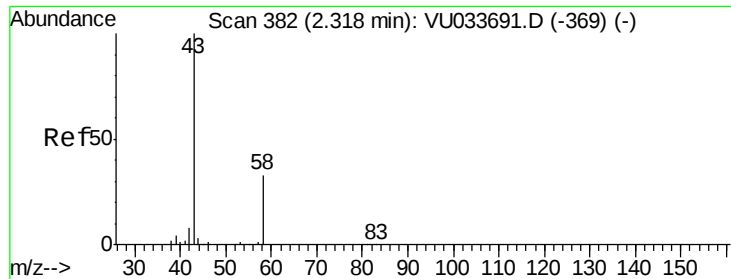


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 19.916 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

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ClientSampleId :

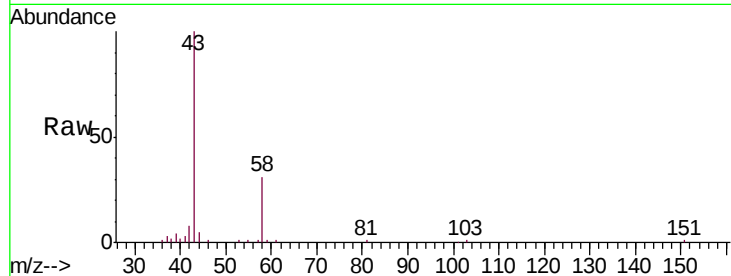
VSTD01033

Tgt Ion: 43 Resp: 44876

Ion Ratio Lower Upper

43 100

58 32.1 0.0 65.6



Abundance Ion 43.00 (42.70 to 43.70): VU033690.D (-381) (-)

Ion 58.00 (57.70 to 58.70): VU033690.D (-381) (-)

2.32

25000

20000

15000

10000

5000

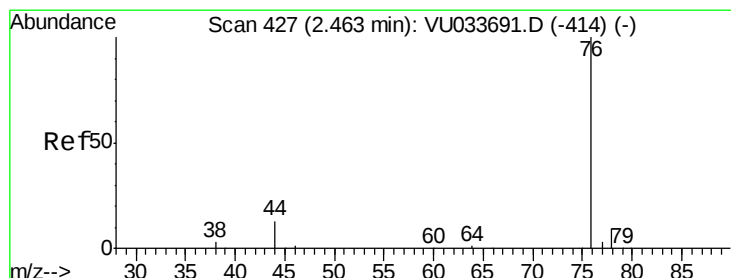
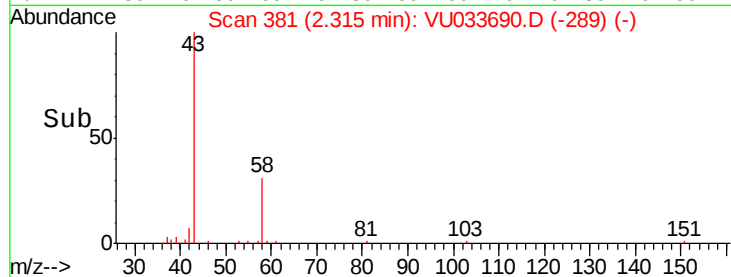
0

Time-->

2.20

2.30

2.40



#14

Carbon disulfide

Concen: 8.838 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU033690.D

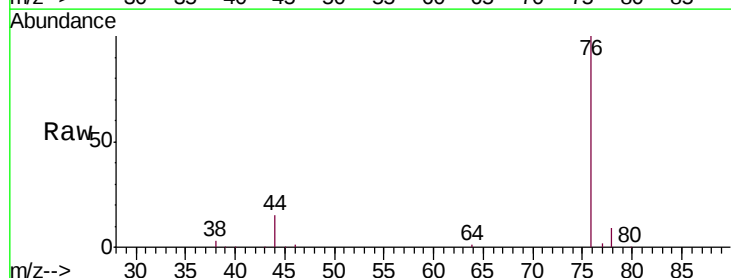
Acq: 09 Aug 2019 17:49

Tgt Ion: 76 Resp: 74939

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU033690.D (-427) (-)

Ion 78.00 (77.70 to 78.70): VU033690.D (-427) (-)

2.46

50000

40000

30000

20000

10000

0

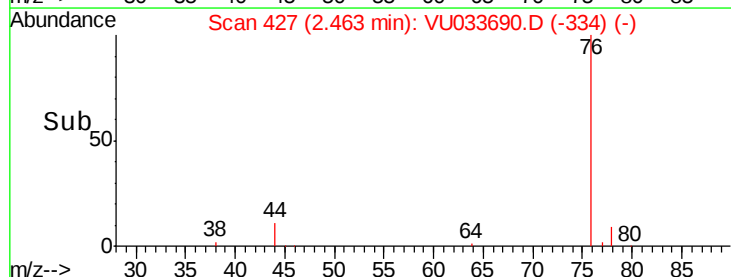
Time-->

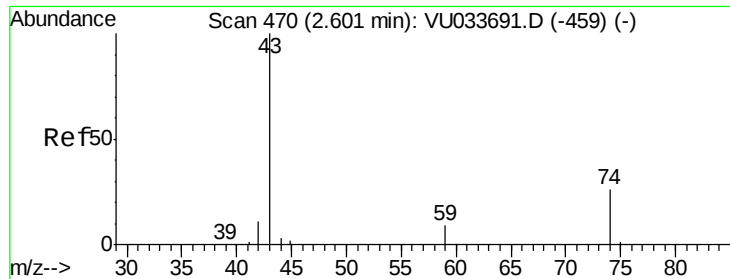
2.40

2.45

2.50

2.55

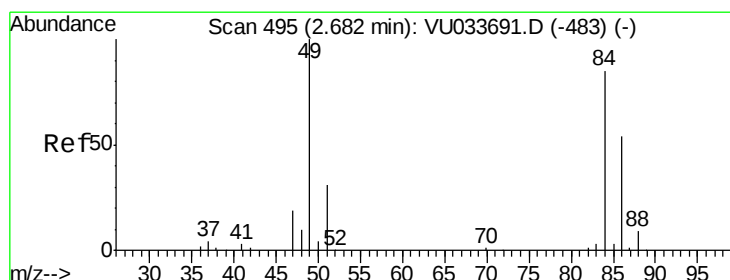
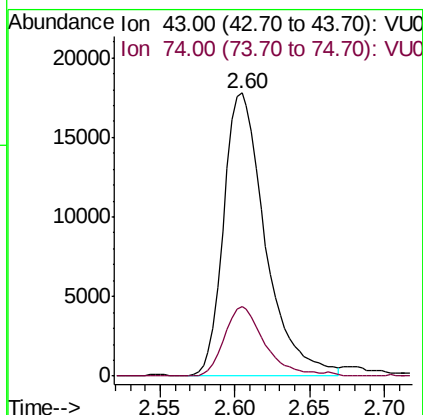
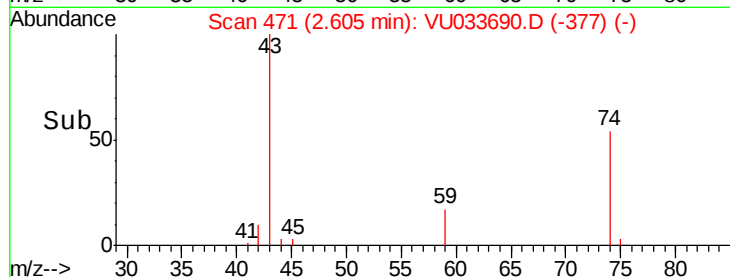
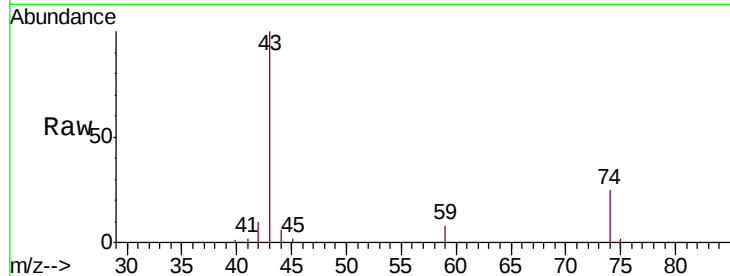




#15
Methyl Acetate
Concen: 9.410 ug/L
RT: 2.60 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU033690.D
Acq: 09 Aug 2019 17:49

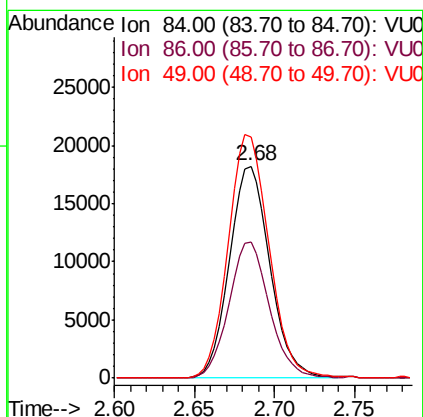
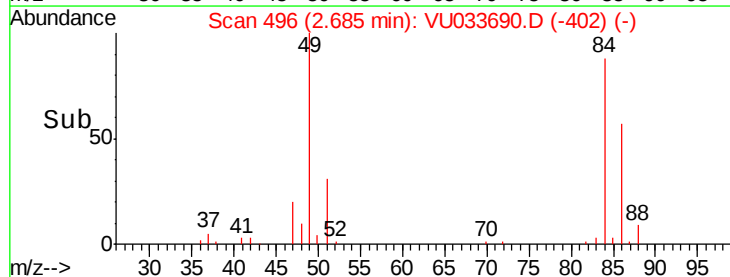
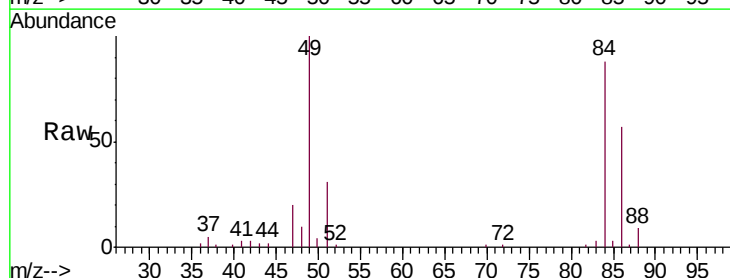
Instrument :
MSVOA_U
ClientSampleId :
VSTD01033

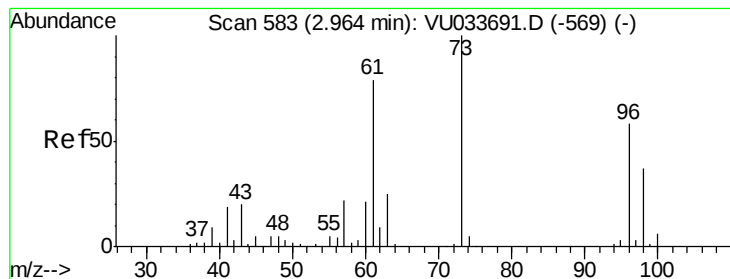
Tgt Ion: 43 Resp: 34565
Ion Ratio Lower Upper
43 100
74 23.5 20.8 31.2



#16
Methylene chloride
Concen: 9.243 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU033690.D
Acq: 09 Aug 2019 17:49

Tgt Ion: 84 Resp: 31426
Ion Ratio Lower Upper
84 100
86 64.4 44.3 82.3
49 113.7 82.3 152.9





#17

trans-1,2-Dichloroethene

Concen: 9.605 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033690.D

Acq: 09 Aug 2019 17:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD01033

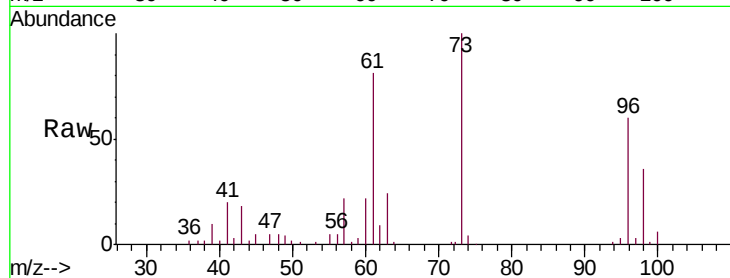
Tgt Ion: 96 Resp: 28726

Ion Ratio Lower Upper

96 100

61 133.4 95.6 177.6

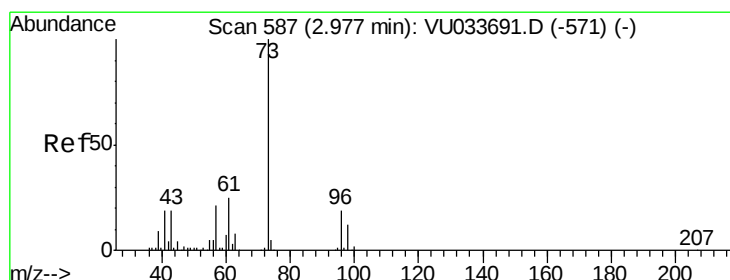
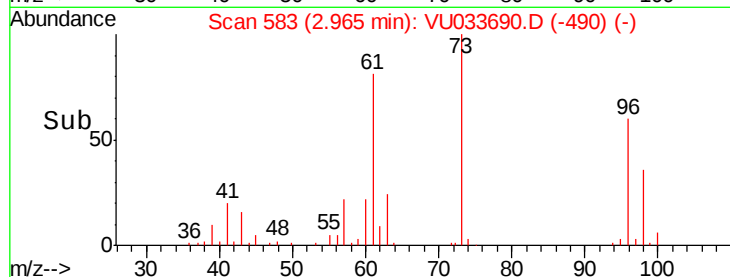
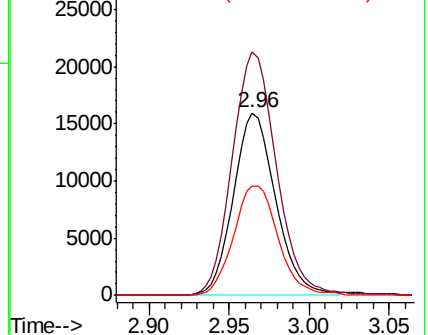
98 59.9 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VU033690.D (-490) (-)

Ion 61.00 (60.70 to 61.70): VU033690.D (-490) (-)

Ion 98.00 (97.70 to 98.70): VU033690.D (-490) (-)



#18

Methyl tert-butyl Ether

Concen: 9.816 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU033690.D

Acq: 09 Aug 2019 17:49

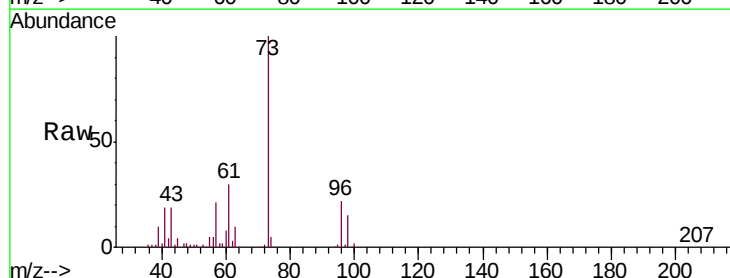
Tgt Ion: 73 Resp: 92776

Ion Ratio Lower Upper

73 100

43 19.4 15.1 22.7

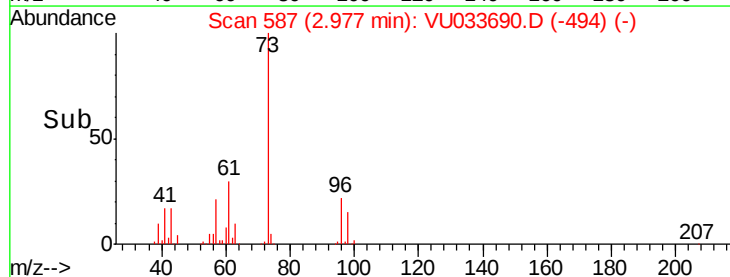
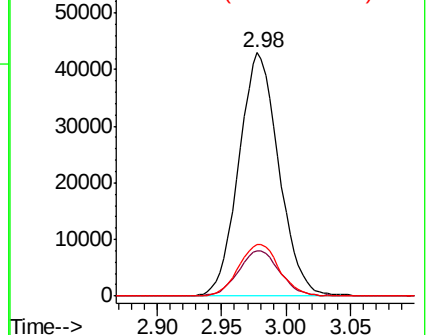
57 21.6 17.4 26.0

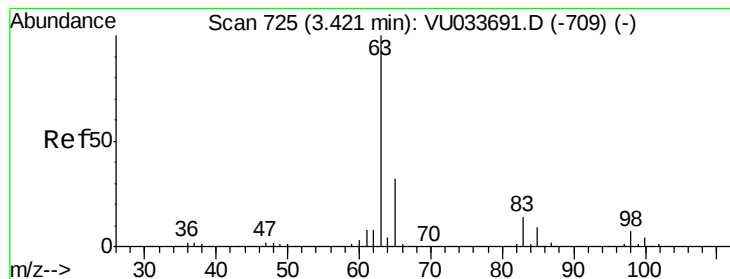


Abundance Ion 73.00 (72.70 to 73.70): VU033690.D (-494) (-)

Ion 43.00 (42.70 to 43.70): VU033690.D (-494) (-)

Ion 57.00 (56.70 to 57.70): VU033690.D (-494) (-)





#19

1,1-Dichloroethane

Concen: 9.369 ug/L

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU033690.D

Acq: 09 Aug 2019 17:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD01033

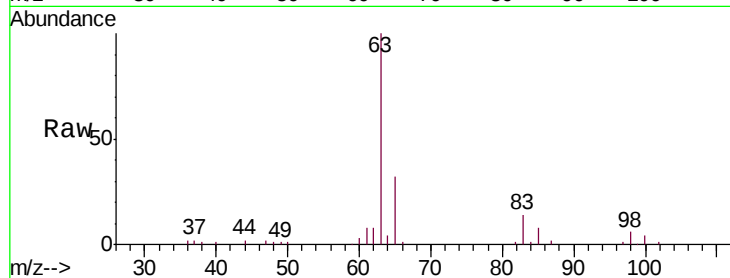
Tgt Ion: 63 Resp: 54342

Ion Ratio Lower Upper

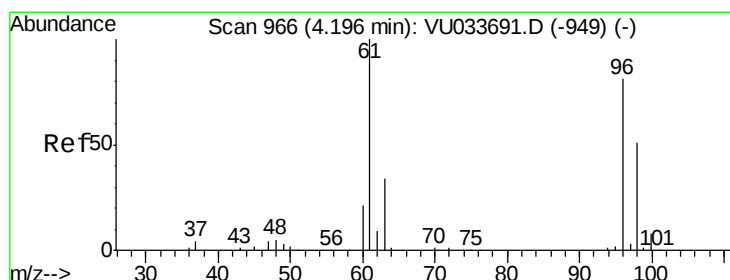
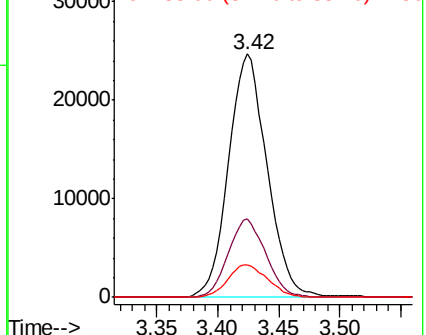
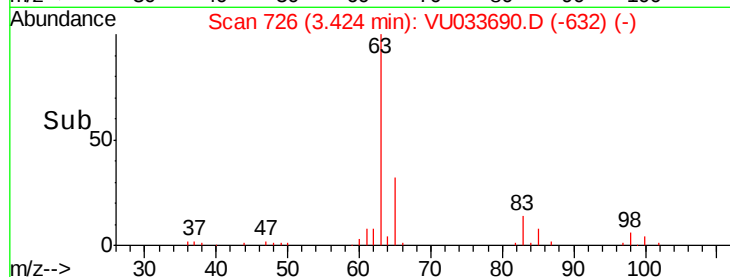
63 100

65 32.1 22.3 41.3

83 13.6 9.7 18.1



Abundance Ion 63.00 (62.70 to 63.70): VU033690.D (-632) (-)



#20

cis-1,2-Dichloroethene

Concen: 9.592 ug/L

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU033690.D

Acq: 09 Aug 2019 17:49

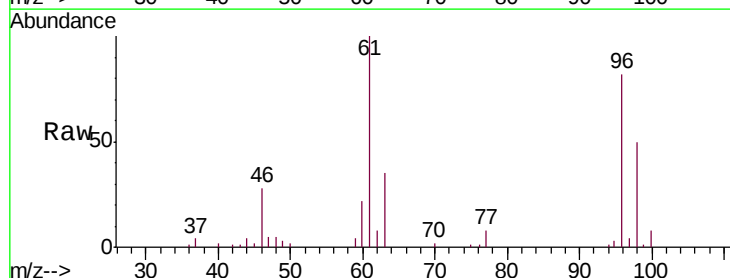
Tgt Ion: 96 Resp: 32386

Ion Ratio Lower Upper

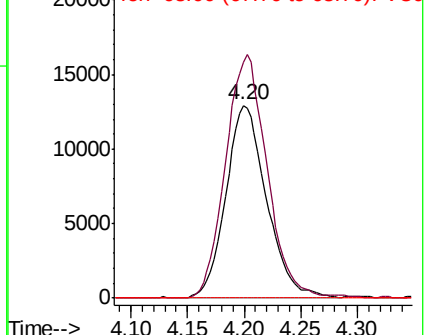
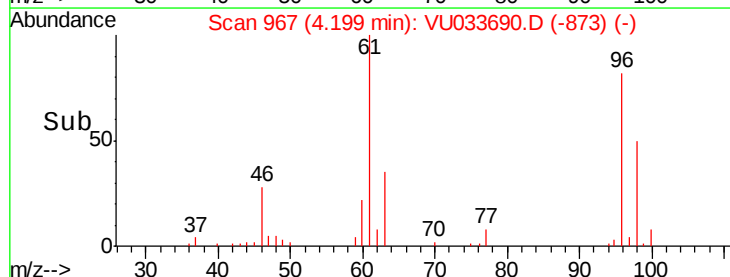
96 100

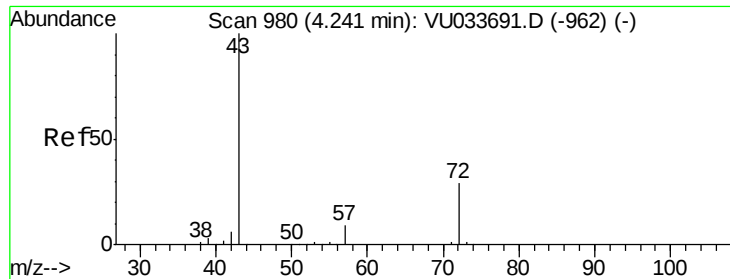
61 122.4 87.0 161.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU033690.D (-873) (-)





#22

2-Butanone

Concen: 18.276 ug/L

RT: 4.25 min Scan# 982

Delta R.T. 0.01 min

Lab File: VU033690.D

Acq: 09 Aug 2019 17:49

Instrument :

MSVOA_U

ClientSampleId :

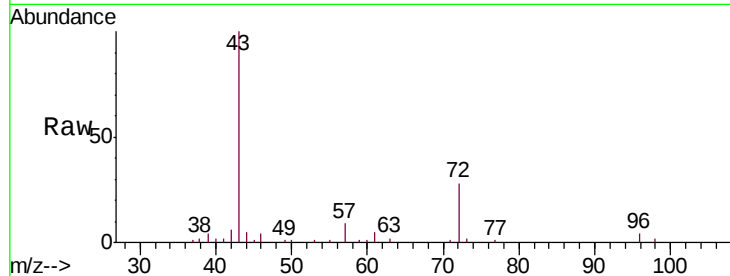
VSTD01033

Tgt Ion: 43 Resp: 51938

Ion Ratio Lower Upper

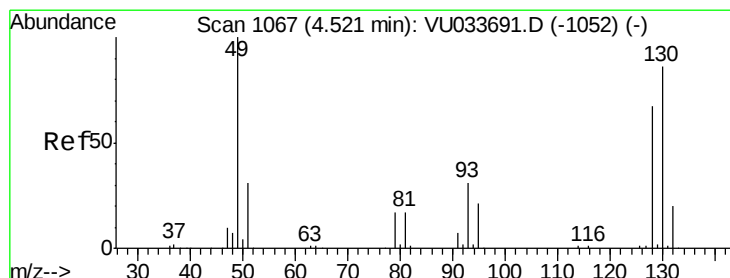
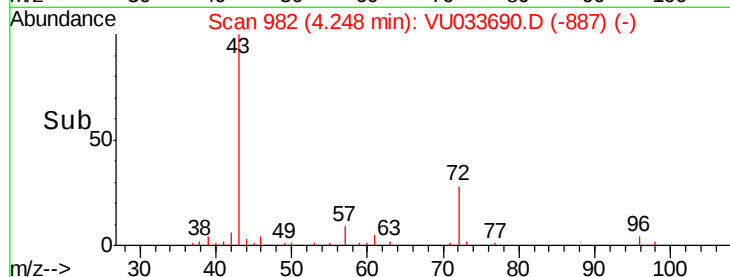
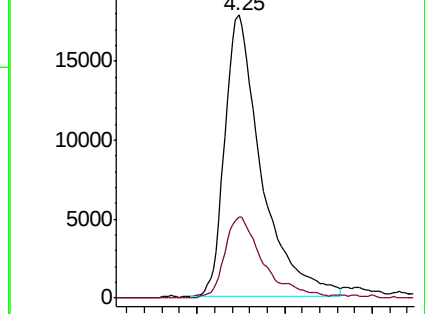
43 100

72 27.0 15.2 45.6



Abundance Ion 43.00 (42.70 to 43.70): VU033690.D (-962) (-)

Ion 72.00 (71.70 to 72.70): VU033690.D (-962) (-)



#23

Bromochloromethane

Concen: 9.038 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU033690.D

Acq: 09 Aug 2019 17:49

Tgt Ion: 128 Resp: 16151

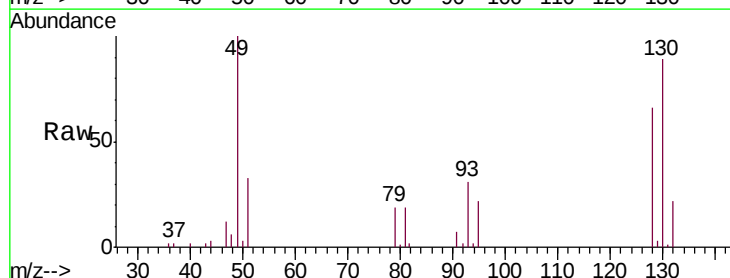
Ion Ratio Lower Upper

128 100

49 151.0 104.7 194.4

130 134.1 89.6 166.4

51 49.5 37.4 56.0

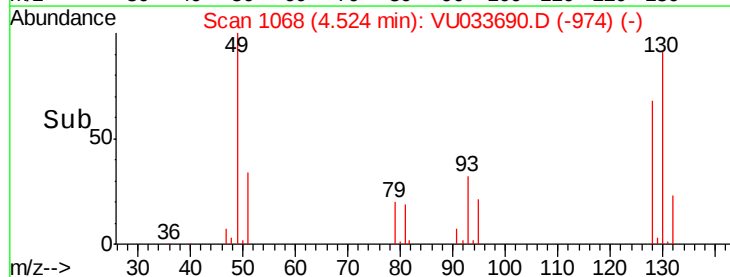
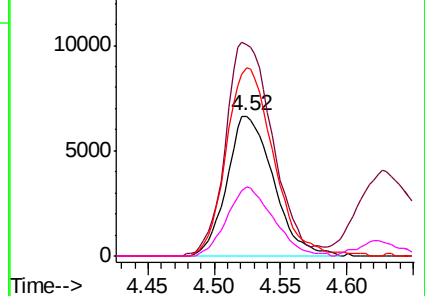


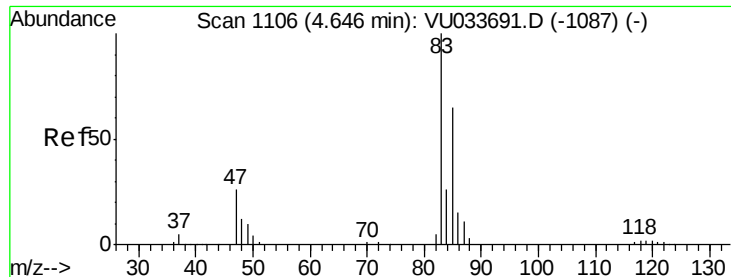
Abundance Ion 128.00 (127.70 to 128.70): VU033690.D (-974) (-)

Ion 49.00 (48.70 to 49.70): VU033690.D (-974) (-)

Ion 130.00 (129.70 to 130.70): VU033690.D (-974) (-)

Ion 51.00 (50.70 to 51.70): VU033690.D (-974) (-)

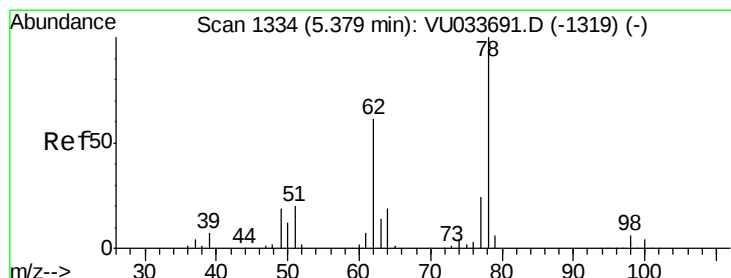
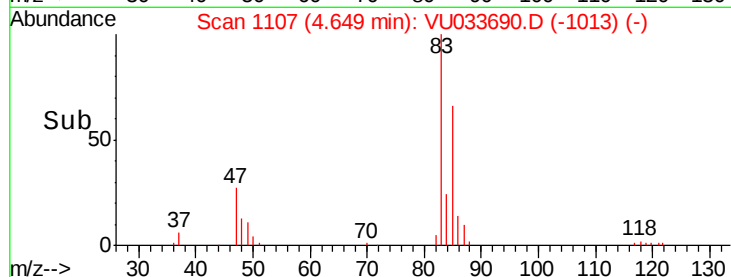
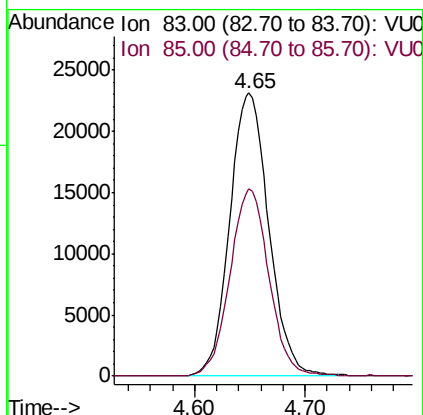
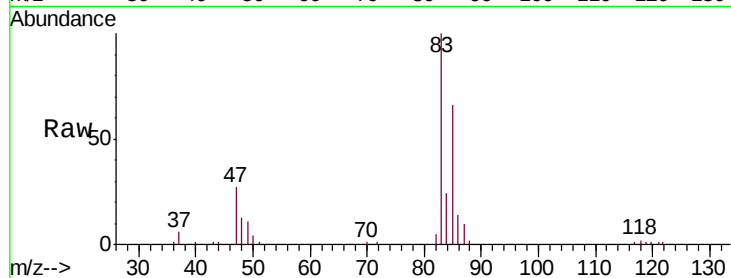




#25
Chloroform
Concen: 9.354 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033690.D
Acq: 09 Aug 2019 17:49

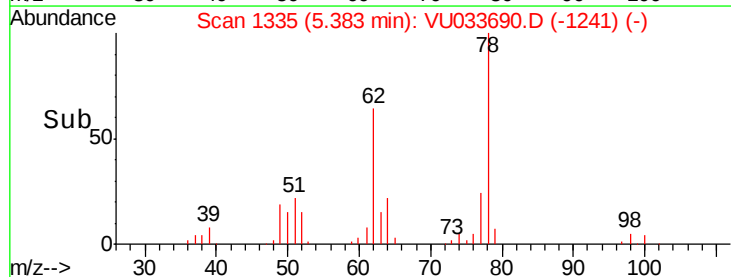
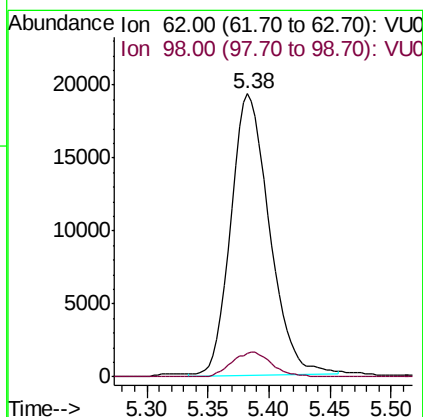
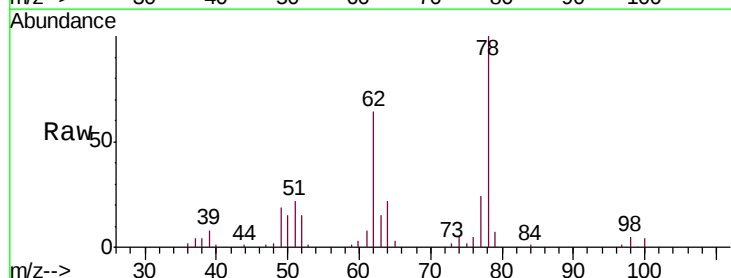
Instrument :
MSVOA_U
ClientSampleId :
VSTD01033

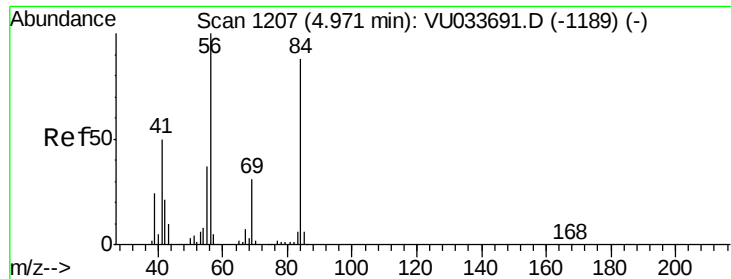
Tgt Ion: 83 Resp: 56657
Ion Ratio Lower Upper
83 100
85 66.0 45.9 85.3



#27
1,2-Dichloroethane
Concen: 9.001 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU033690.D
Acq: 09 Aug 2019 17:49

Tgt Ion: 62 Resp: 42381
Ion Ratio Lower Upper
62 100
98 8.1 7.4 11.2

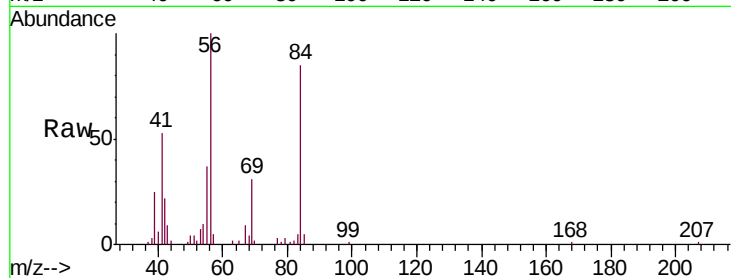




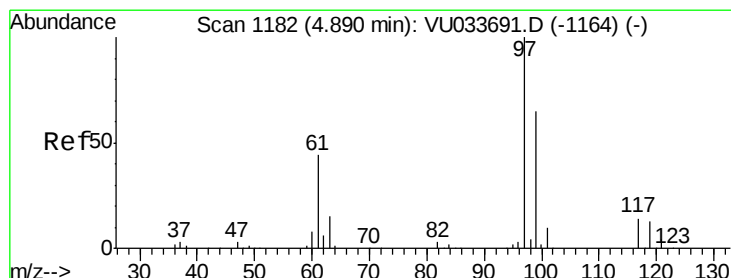
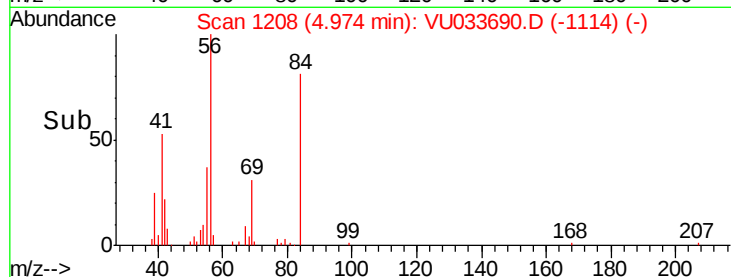
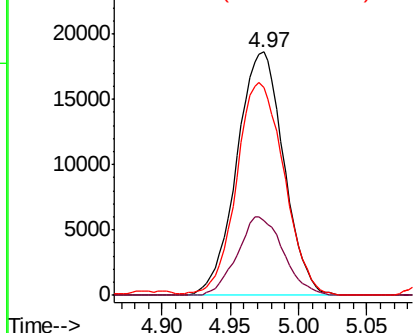
#29
Cyclohexane
Concen: 9.947 ug/L
RT: 4.97 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VU033690.D
Acq: 09 Aug 2019 17:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD01033

Tgt Ion: 56 Resp: 44583
Ion Ratio Lower Upper
56 100
69 31.3 25.3 37.9
84 88.5 71.8 107.8

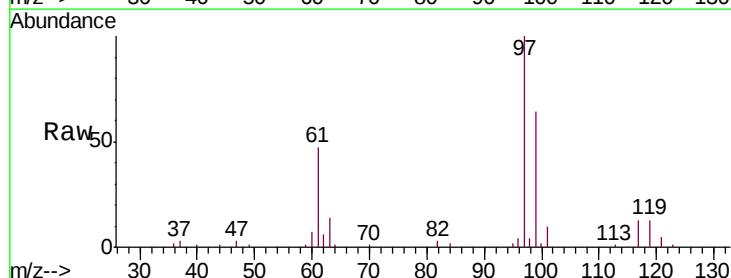


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

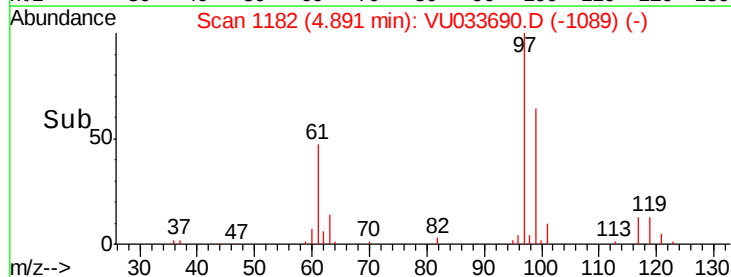
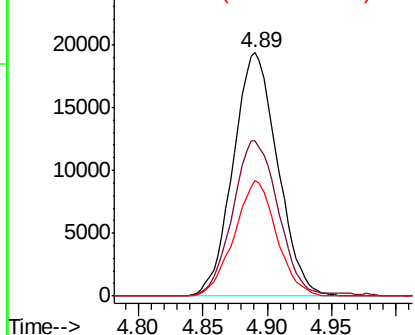


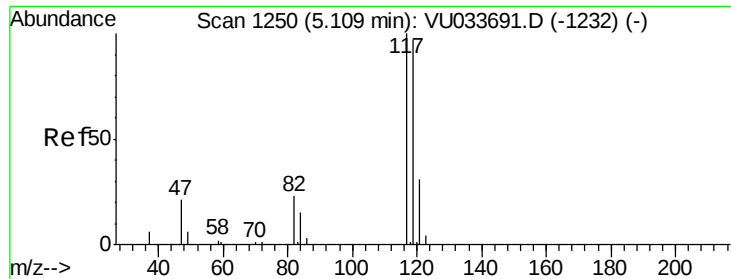
#30
1,1,1-Trichloroethane
Concen: 9.573 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU033690.D
Acq: 09 Aug 2019 17:49

Tgt Ion: 97 Resp: 46404
Ion Ratio Lower Upper
97 100
99 65.5 52.0 78.0
61 45.1 35.0 52.4



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





#31

Carbon tetrachloride

Concen: 9.739 ug/L

RT: 5.11 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VU033690.D

Acq: 09 Aug 2019 17:49

Instrument :

MSVOA_U

ClientSampleId :

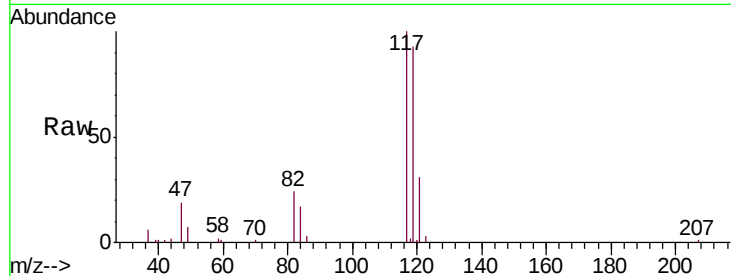
VSTD01033

Tgt Ion:117 Resp: 41638

Ion Ratio Lower Upper

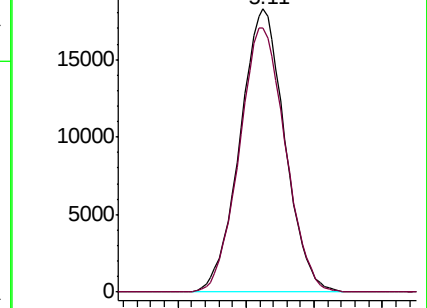
117 100

119 95.7 78.2 117.4

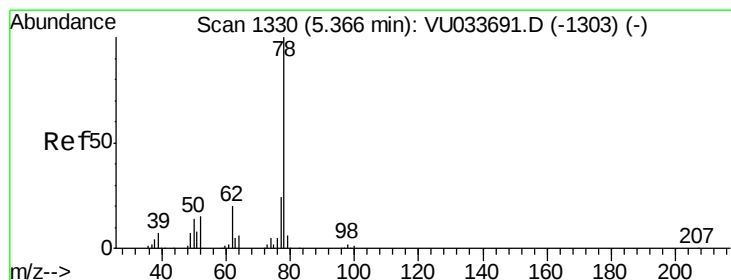
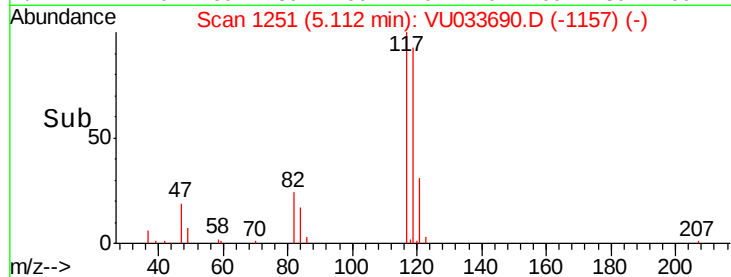


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#33

Benzene

Concen: 9.986 ug/L

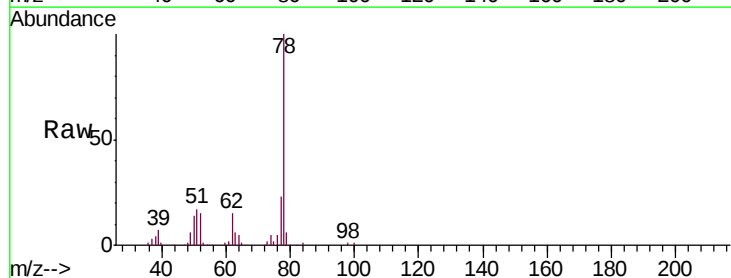
RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

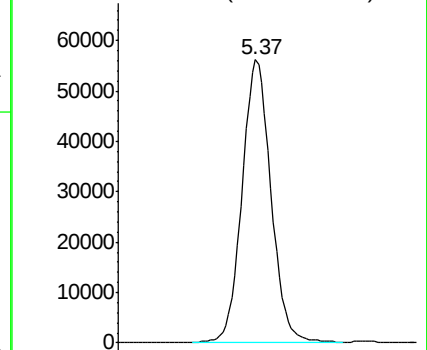
Lab File: VU033690.D

Acq: 09 Aug 2019 17:49

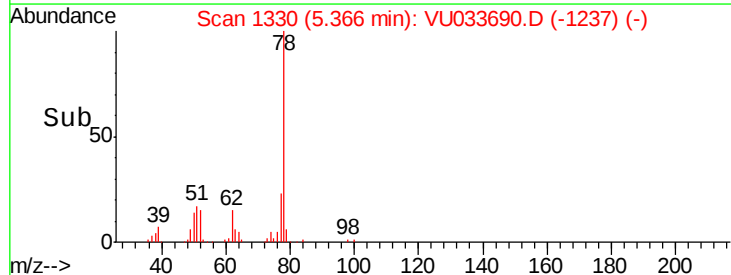
Tgt Ion: 78 Resp: 121747

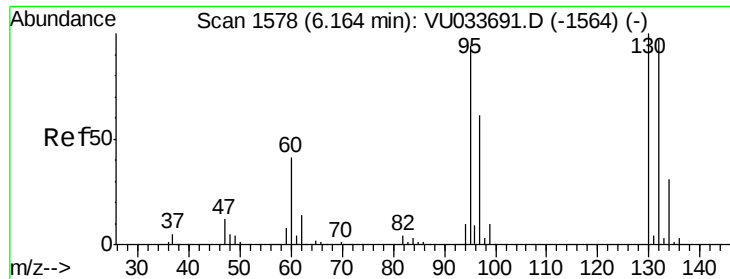


Abundance Ion 78.00 (77.70 to 78.70): VU0



Time-->

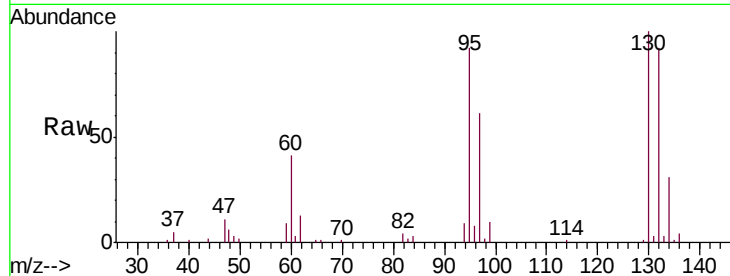




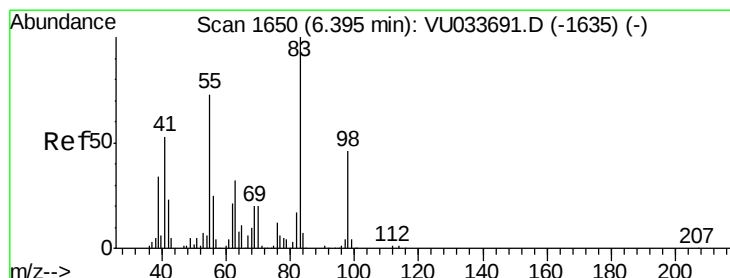
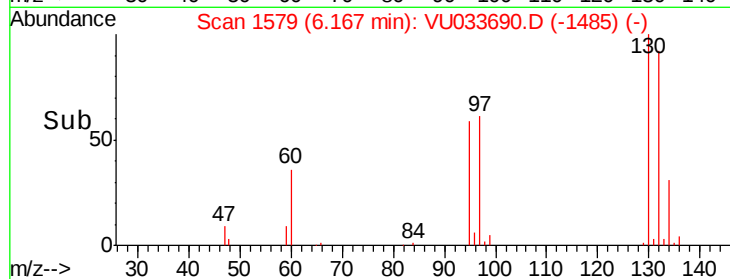
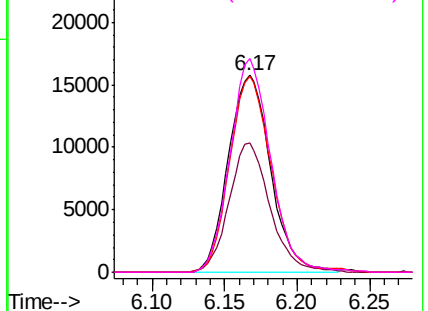
#34
 Trichloroethene
 Concen: 10.183 ug/L
 RT: 6.17 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: VU033690.D
 Acq: 09 Aug 2019 17:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01033

Tgt Ion: 95 Resp: 32013
 Ion Ratio Lower Upper
 95 100
 97 65.9 45.6 84.8
 132 99.4 72.0 133.8
 130 108.5 74.3 138.1

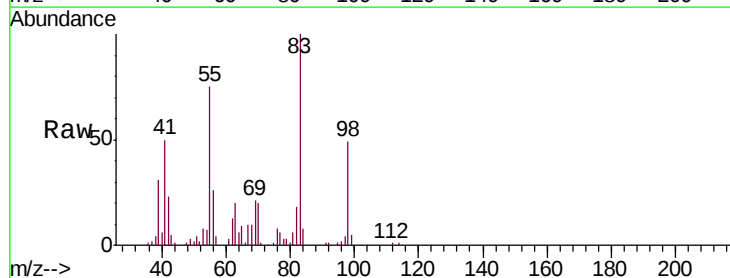


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

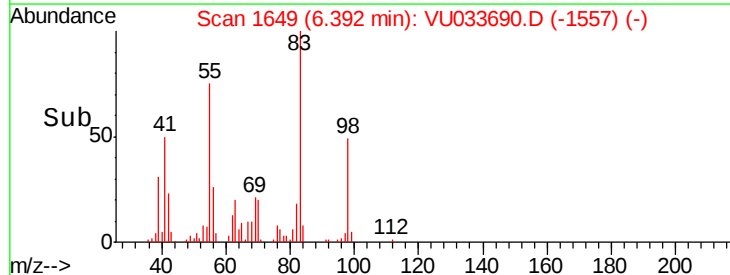
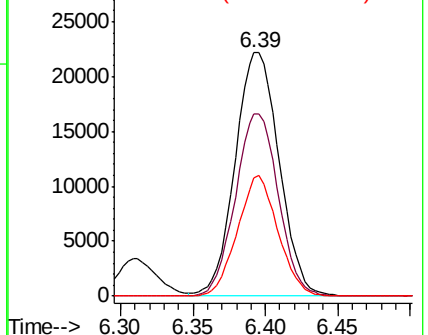


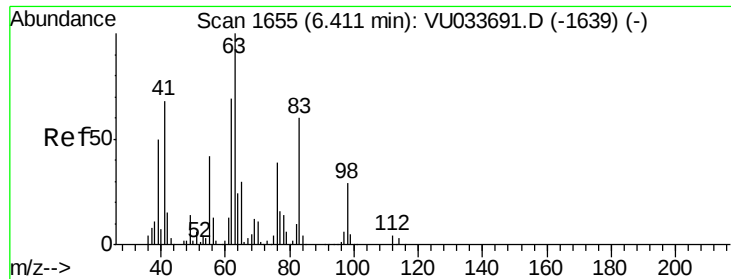
#35
 Methylcyclohexane
 Concen: 9.782 ug/L
 RT: 6.39 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU033690.D
 Acq: 09 Aug 2019 17:49

Tgt Ion: 83 Resp: 46865
 Ion Ratio Lower Upper
 83 100
 55 72.8 58.1 87.1
 98 45.5 36.8 55.2



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

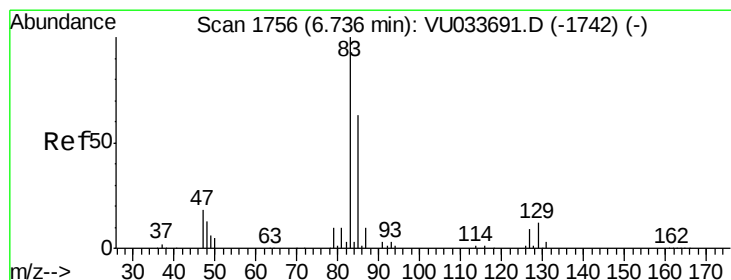
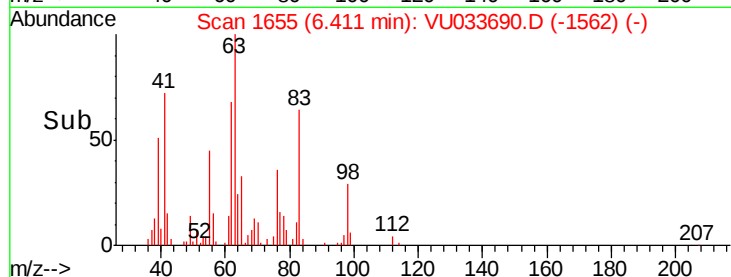
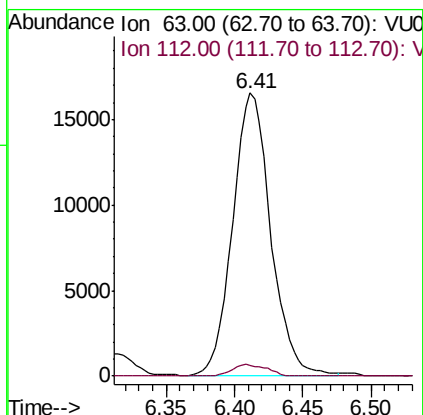
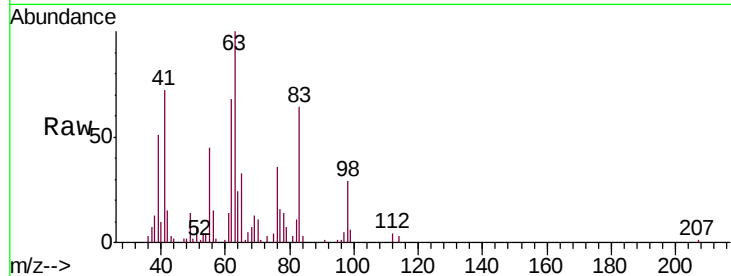




#37
 1,2-Dichloropropane
 Concen: 9.740 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU033690.D
 Acq: 09 Aug 2019 17:49

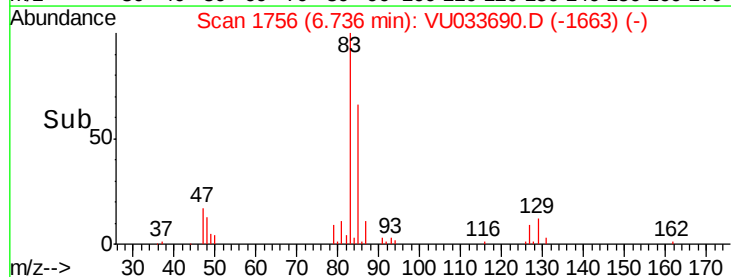
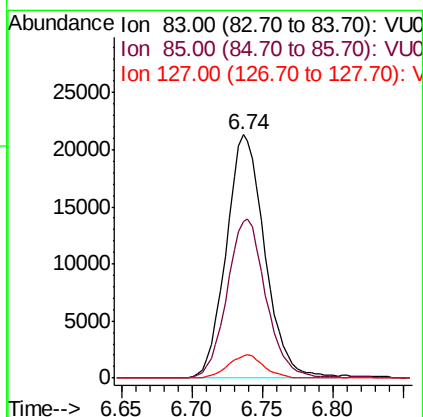
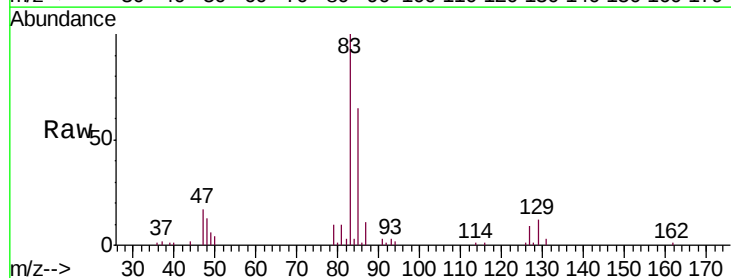
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01033

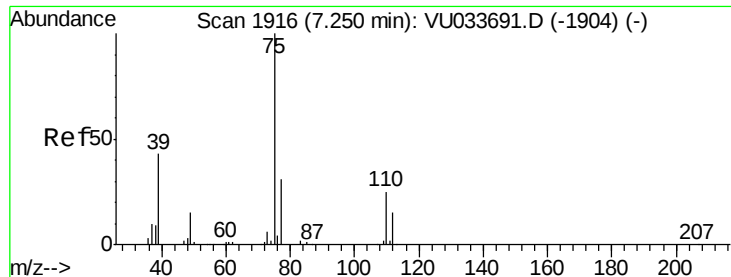
Tgt Ion: 63 Resp: 32169
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.1 4.7



#38
 Bromodichloromethane
 Concen: 9.551 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VU033690.D
 Acq: 09 Aug 2019 17:49

Tgt Ion: 83 Resp: 40793
 Ion Ratio Lower Upper
 83 100
 85 64.5 44.2 82.0
 127 10.1 6.8 10.2



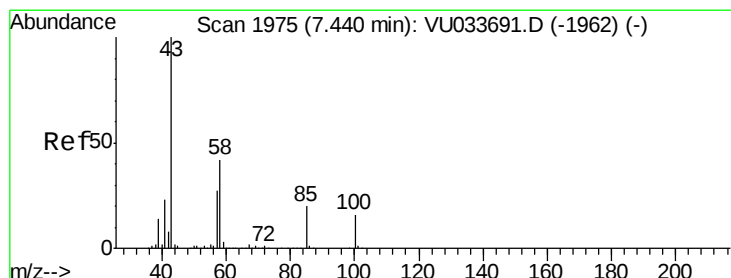
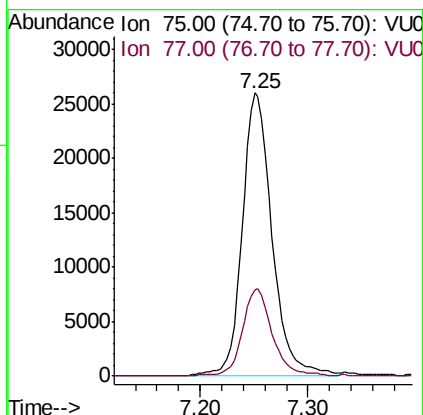
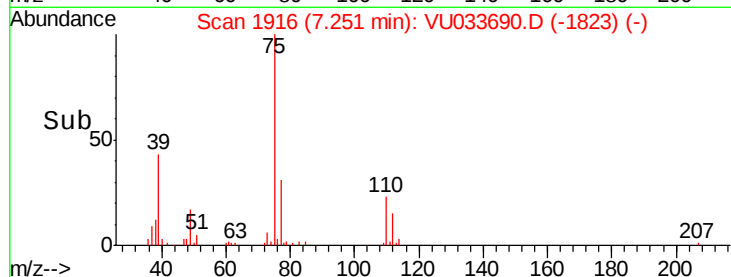
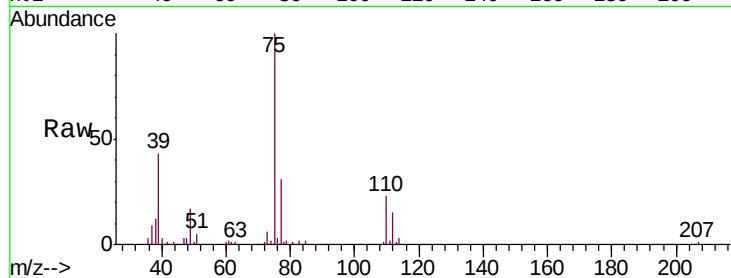


#39

cis-1,3-Dichloropropene
Concen: 10.233 ug/L
RT: 7.25 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VU033690.D
Acq: 09 Aug 2019 17:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD01033

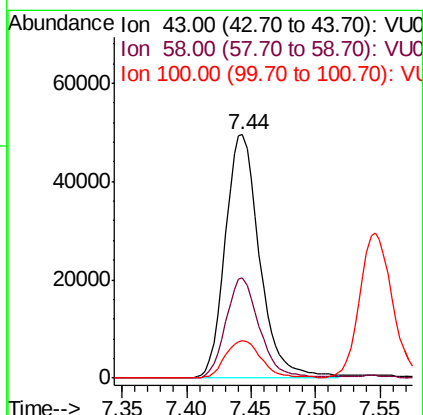
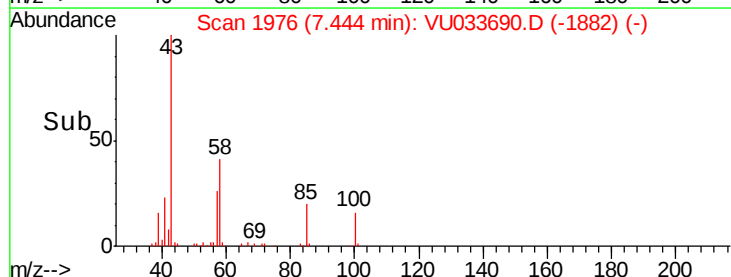
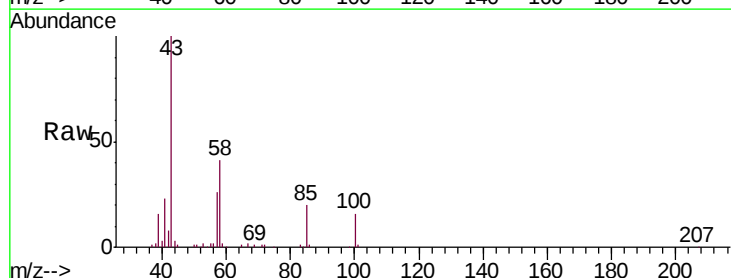
Tgt Ion: 75 Resp: 50104
Ion Ratio Lower Upper
75 100
77 30.6 21.7 40.3

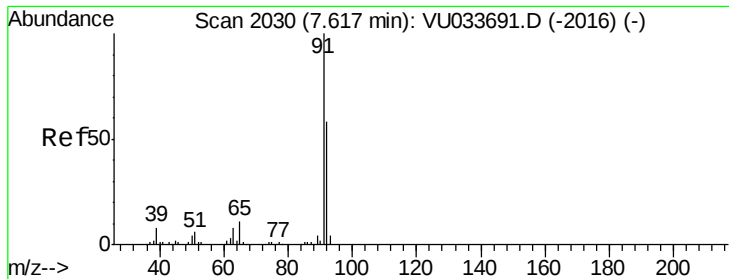


#40

4-Methyl-2-pentanone
Concen: 19.190 ug/L
RT: 7.44 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VU033690.D
Acq: 09 Aug 2019 17:49

Tgt Ion: 43 Resp: 91988
Ion Ratio Lower Upper
43 100
58 40.1 33.4 50.0
100 16.3 13.2 19.8





#42

Toluene

Concen: 9.815 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033690.D

Acq: 09 Aug 2019 17:49

Instrument :

MSVOA_U

ClientSampleId :

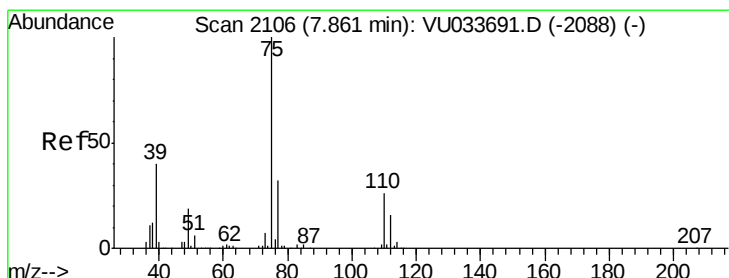
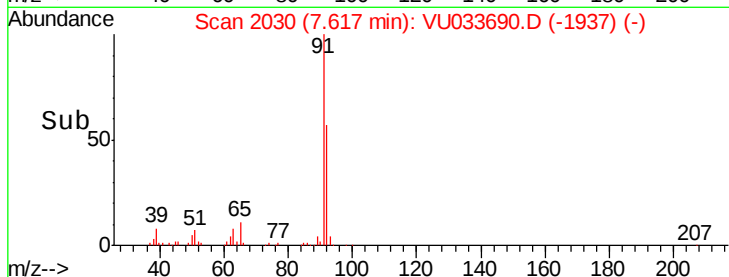
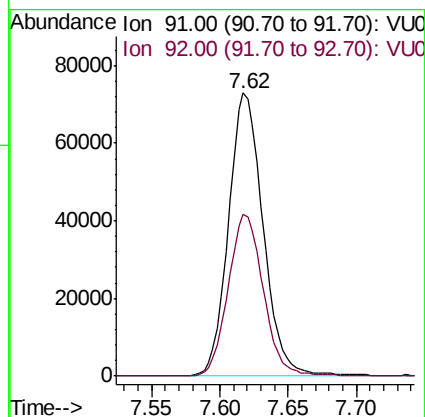
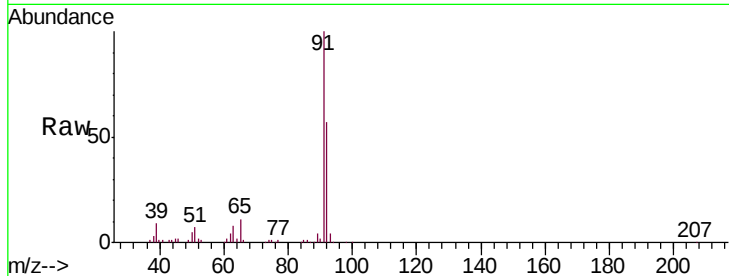
VSTD01033

Tgt Ion: 91 Resp: 128596

Ion Ratio Lower Upper

91 100

92 57.0 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 9.506 ug/L

RT: 7.86 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VU033690.D

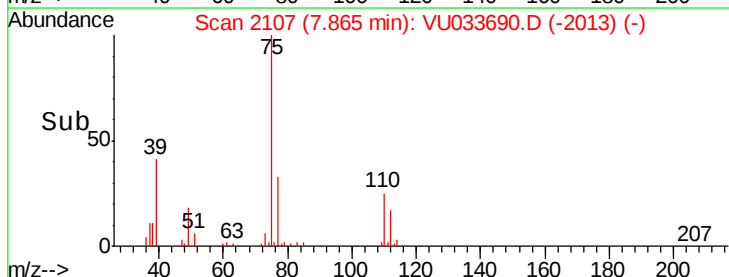
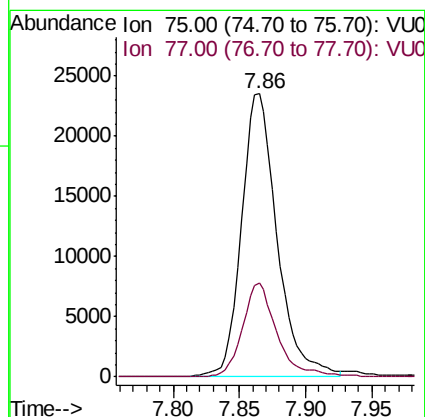
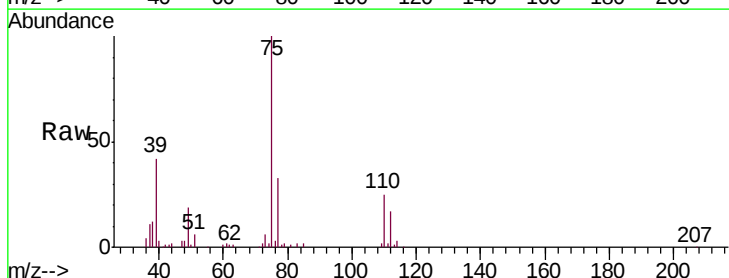
Acq: 09 Aug 2019 17:49

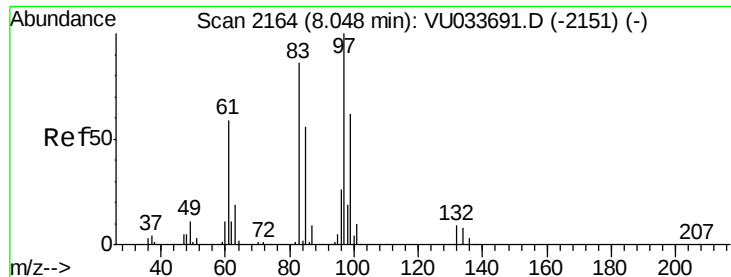
Tgt Ion: 75 Resp: 43977

Ion Ratio Lower Upper

75 100

77 33.4 22.4 41.6

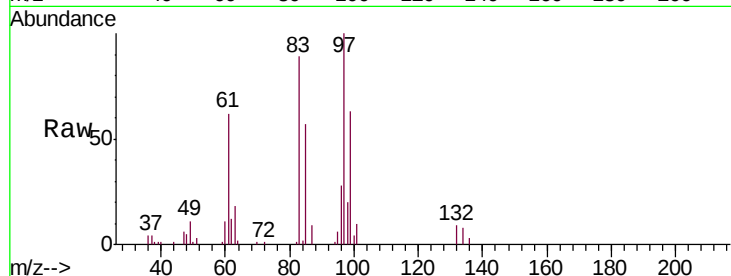




#45
 1,1,2-Trichloroethane
 Concen: 9.937 ug/L
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU033690.D
 Acq: 09 Aug 2019 17:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01033

Tgt Ion:	97	Resp:	31380
Ion	Ratio	Lower	Upper
97	100		
99	62.9	43.3	80.5
83	88.8	60.5	112.5
85	57.5	38.9	72.3



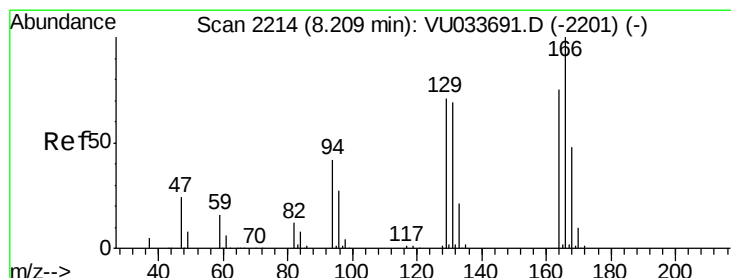
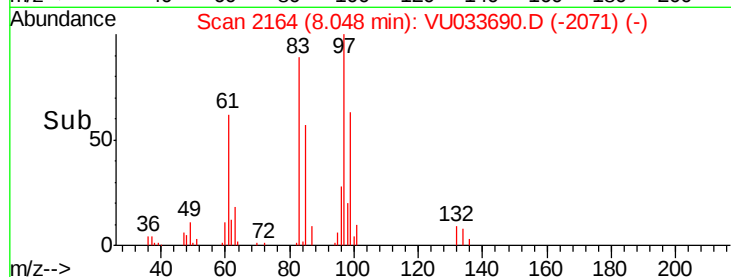
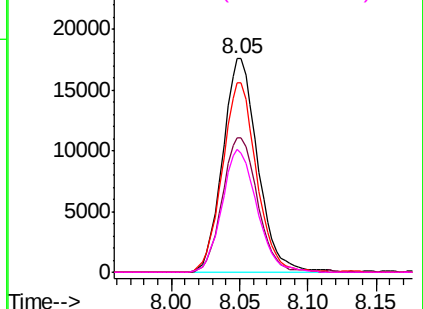
Abundance

Ion 97.00 (96.70 to 97.70): VU033690.D (-2151) (-)

Ion 99.00 (98.70 to 99.70): VU033690.D (-2151) (-)

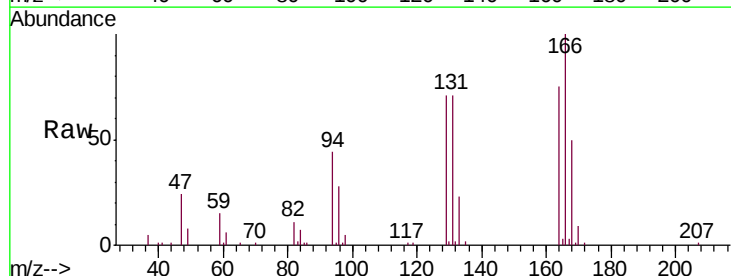
Ion 83.00 (82.70 to 83.70): VU033690.D (-2151) (-)

Ion 85.00 (84.70 to 85.70): VU033690.D (-2151) (-)



#46
 Tetrachloroethene
 Concen: 10.072 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VU033690.D
 Acq: 09 Aug 2019 17:49

Tgt Ion:	164	Resp:	25838
Ion	Ratio	Lower	Upper
164	100		
129	94.9	65.5	121.7
131	94.0	63.6	118.0
166	133.3	92.7	172.3



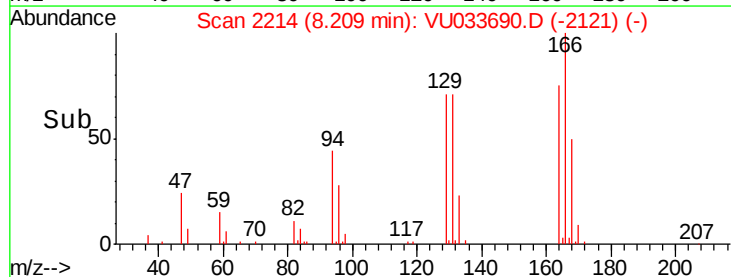
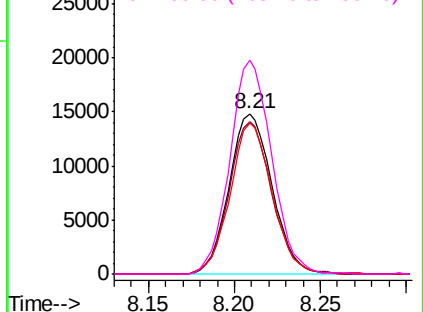
Abundance

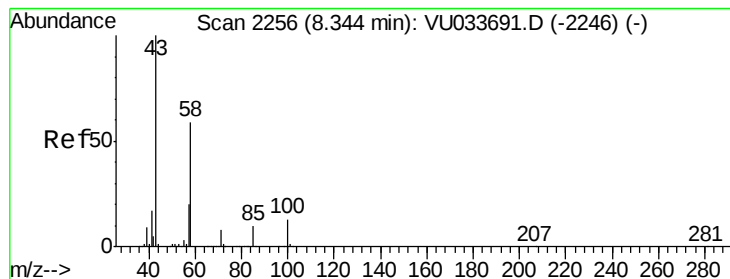
Ion 164.00 (163.70 to 164.70): VU033690.D (-2211) (-)

Ion 129.00 (128.70 to 129.70): VU033690.D (-2211) (-)

Ion 131.00 (130.70 to 131.70): VU033690.D (-2211) (-)

Ion 166.00 (165.70 to 166.70): VU033690.D (-2211) (-)





#48

2-Hexanone

Concen: 18.575 ug/L

RT: 8.35 min Scan# 2257

Delta R.T. 0.00 min

Lab File: VU033690.D

Acq: 09 Aug 2019 17:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD01033

Tgt Ion: 43 Resp: 72932

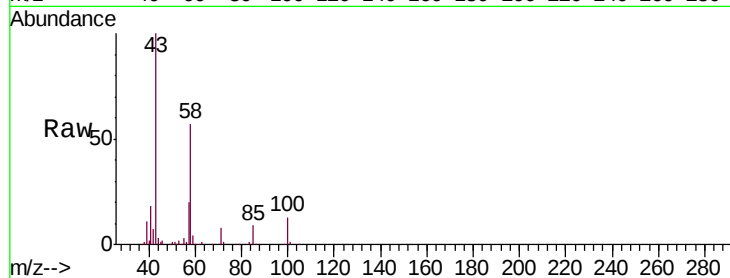
Ion Ratio Lower Upper

43 100

58 56.4 46.6 70.0

57 20.6 16.2 24.4

100 12.2 10.1 15.1

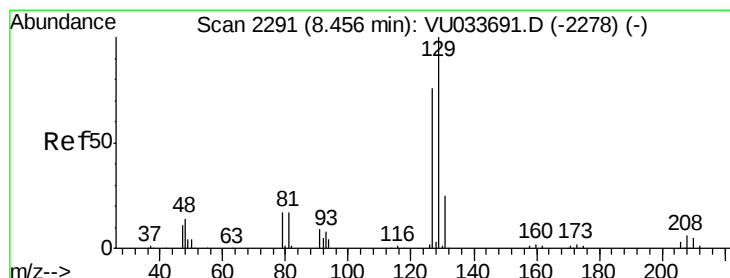
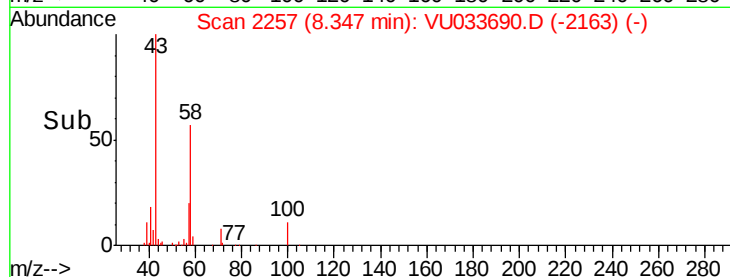
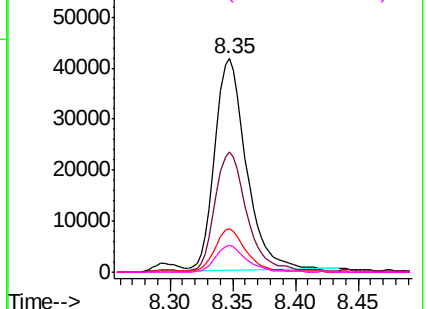


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0



#49

Dibromochloromethane

Concen: 9.467 ug/L

RT: 8.46 min Scan# 2291

Delta R.T. 0.00 min

Lab File: VU033690.D

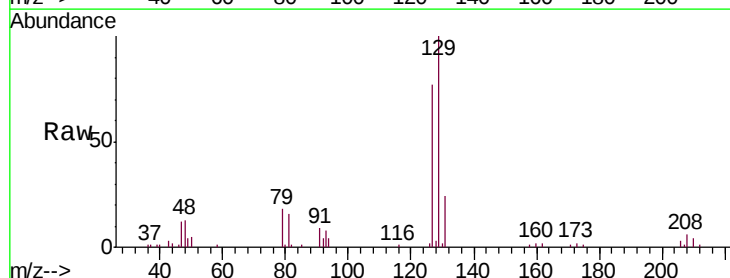
Acq: 09 Aug 2019 17:49

Tgt Ion: 129 Resp: 34031

Ion Ratio Lower Upper

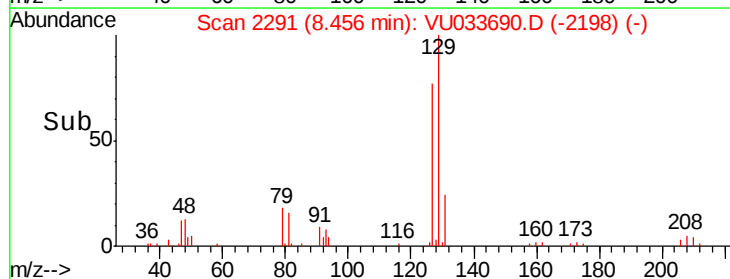
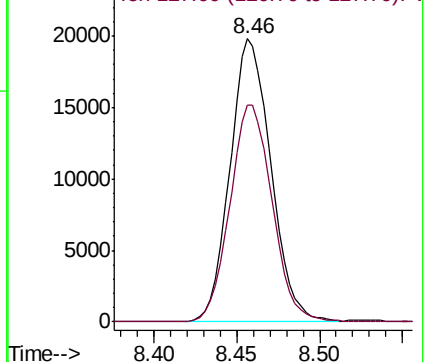
129 100

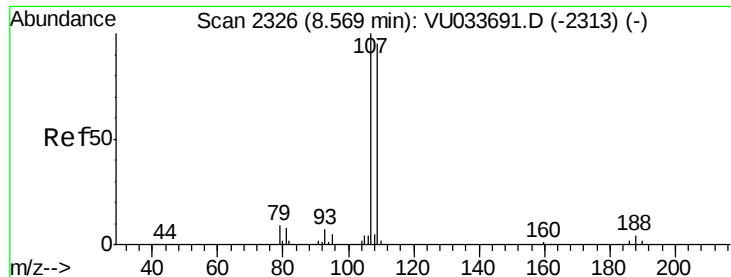
127 76.6 53.3 98.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#50

1,2-Dibromoethane

Concen: 9.898 ug/L

RT: 8.57 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU033690.D

Acq: 09 Aug 2019 17:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD01033

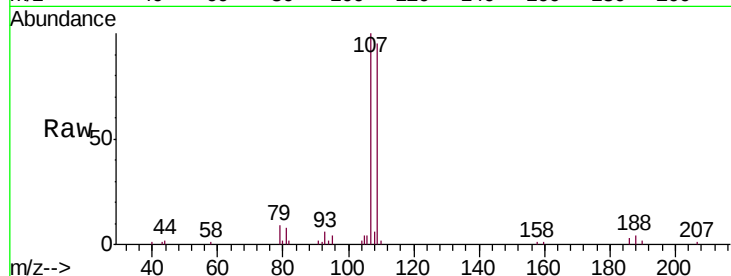
Tgt Ion:107 Resp: 33954

Ion Ratio Lower Upper

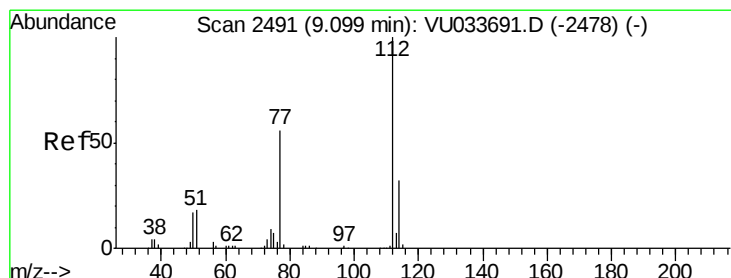
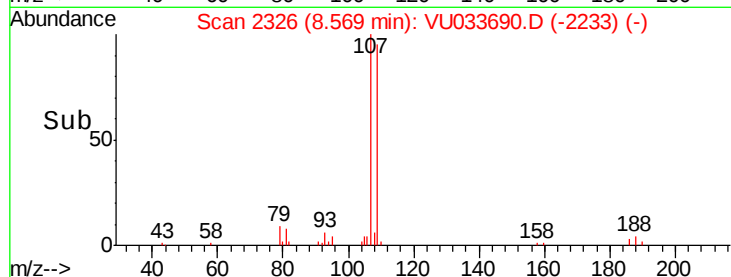
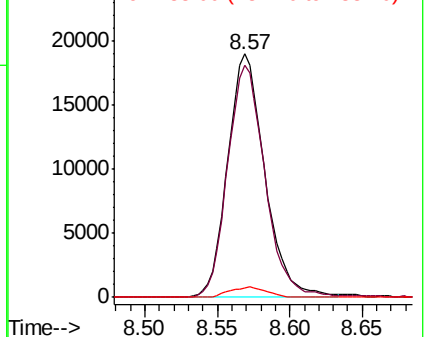
107 100

109 95.4 66.4 123.4

188 3.8 3.2 4.8



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



#51

Chlorobenzene

Concen: 9.876 ug/L

RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

Lab File: VU033690.D

Acq: 09 Aug 2019 17:49

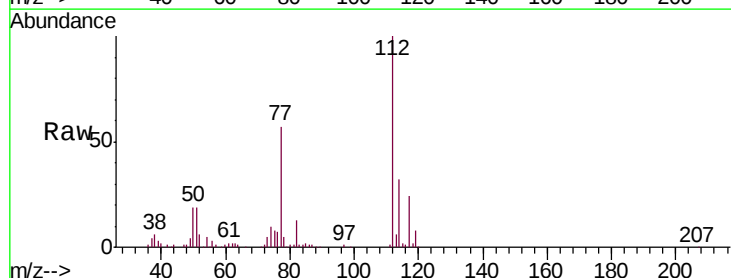
Tgt Ion:112 Resp: 85095

Ion Ratio Lower Upper

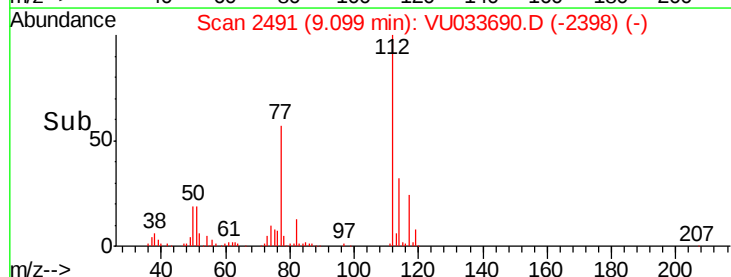
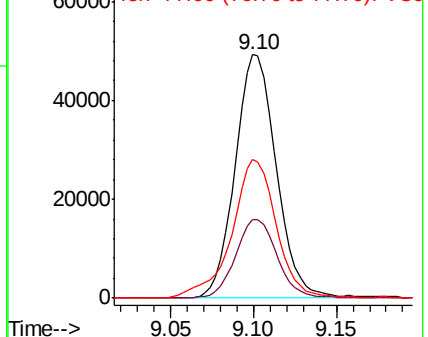
112 100

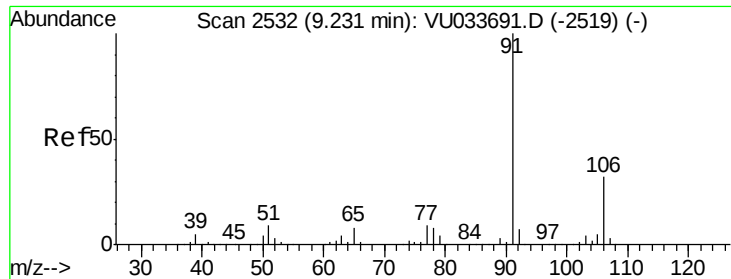
114 32.3 22.5 41.9

77 56.7 45.3 67.9



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





#52

Ethylbenzene

Concen: 9.875 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU033690.D

Acq: 09 Aug 2019 17:49

Instrument :

MSVOA_U

ClientSampleId :

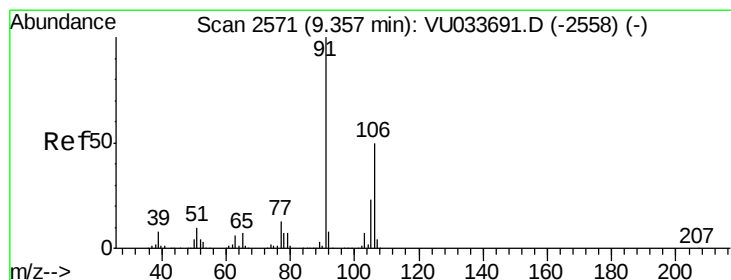
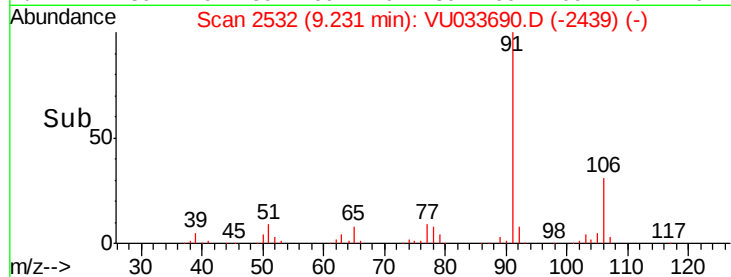
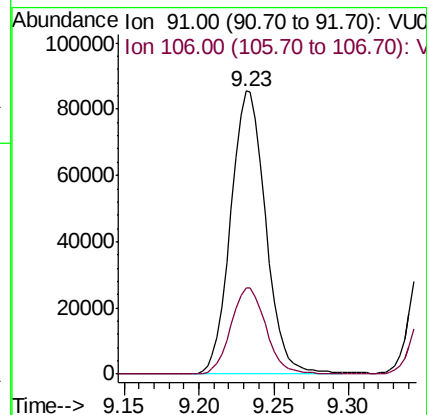
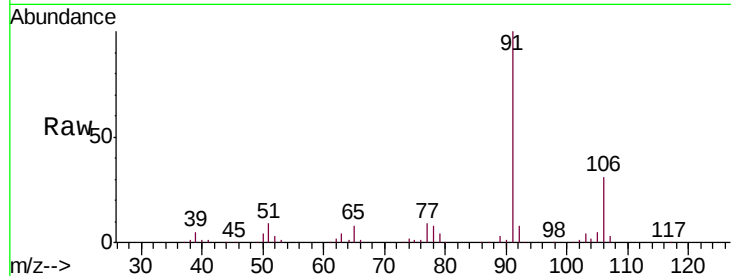
VSTD01033

Tgt Ion: 91 Resp: 139379

Ion Ratio Lower Upper

91 100

106 30.7 22.5 41.7



#53

m,p-Xylene

Concen: 9.906 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU033690.D

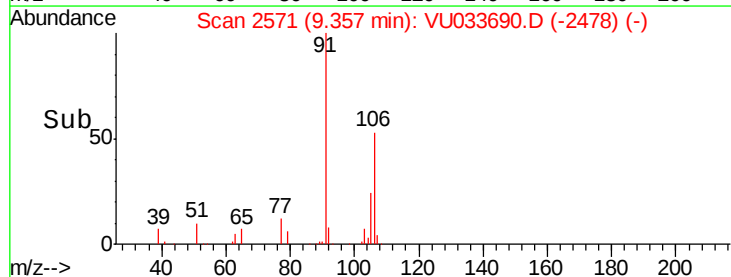
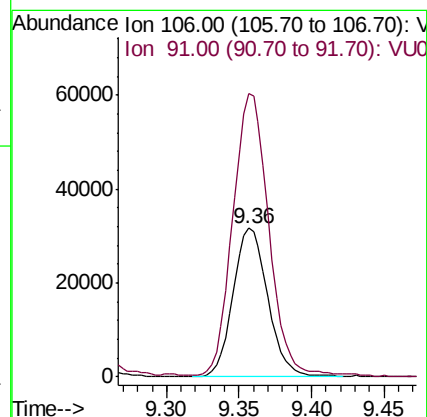
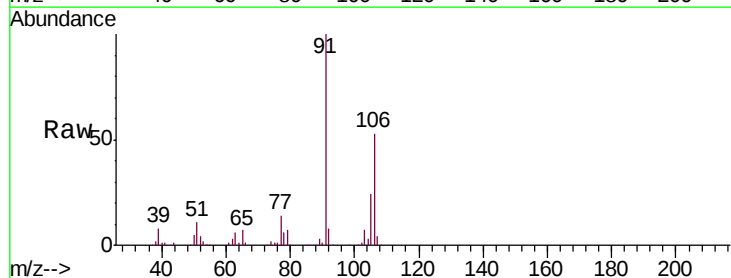
Acq: 09 Aug 2019 17:49

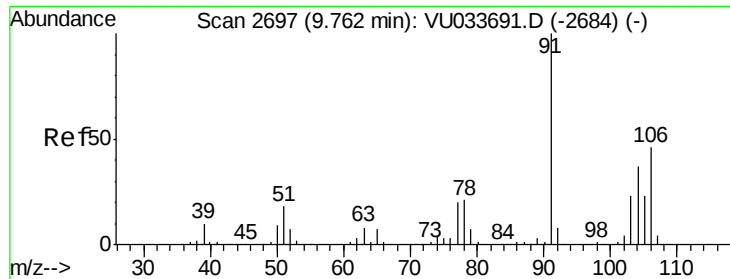
Tgt Ion: 106 Resp: 52925

Ion Ratio Lower Upper

106 100

91 190.4 138.8 257.8

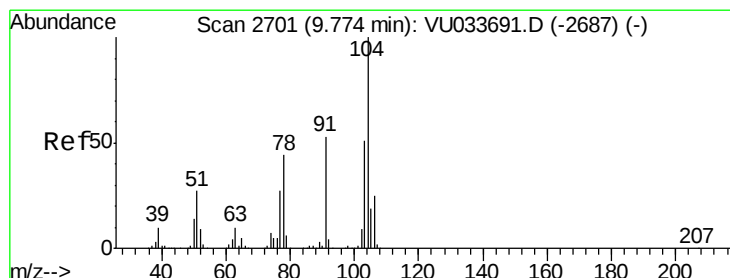
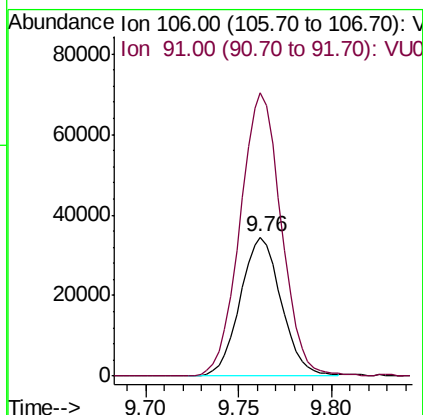
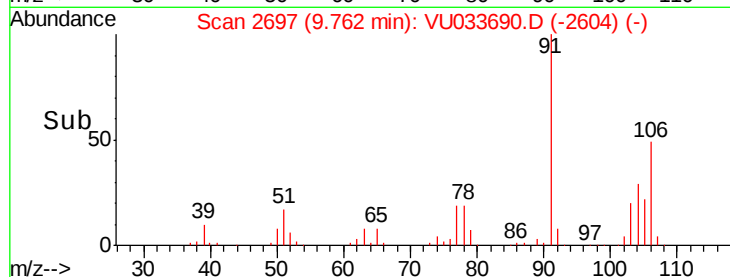
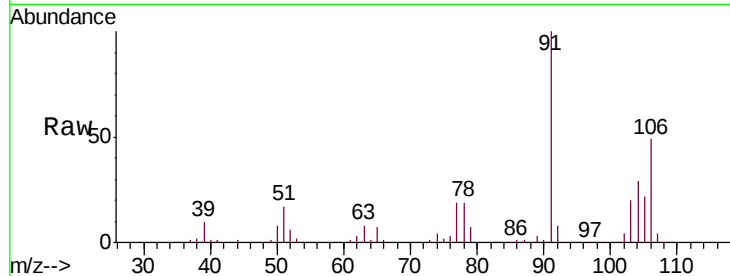




#54
o-xylene
Concen: 10.015 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU033690.D
Acq: 09 Aug 2019 17:49

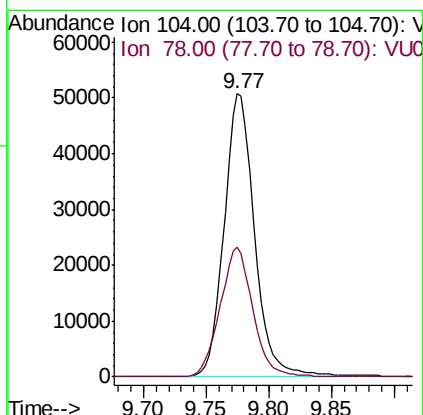
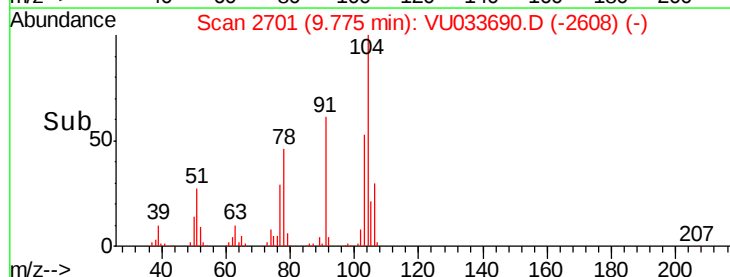
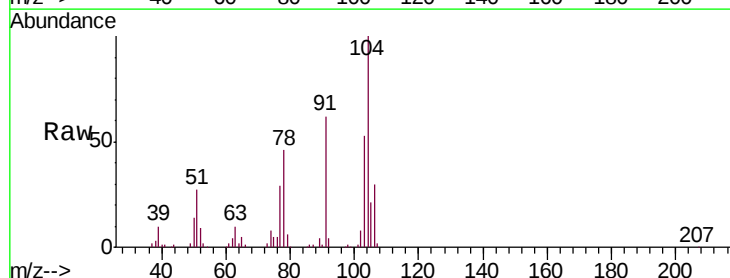
Instrument :
MSVOA_U
ClientSampleId :
VSTD01033

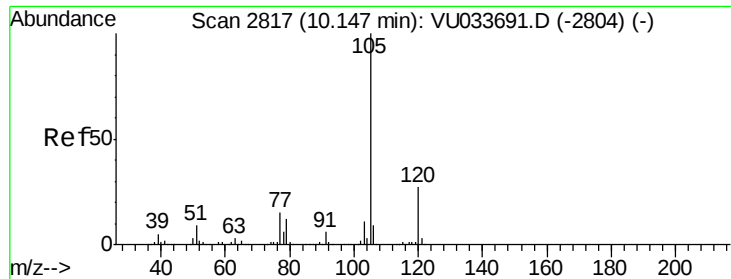
Tgt Ion:106 Resp: 53118
Ion Ratio Lower Upper
106 100
91 203.9 150.9 280.3



#55
Styrene
Concen: 9.464 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU033690.D
Acq: 09 Aug 2019 17:49

Tgt Ion:104 Resp: 85225
Ion Ratio Lower Upper
104 100
78 46.1 31.0 57.6





#56

Isopropylbenzene

Concen: 9.988 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. 0.00 min

Lab File: VU033690.D

Acq: 09 Aug 2019 17:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD01033

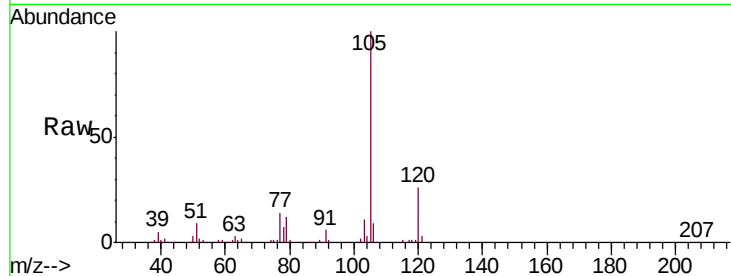
Tgt Ion:105 Resp: 136758

Ion Ratio Lower Upper

105 100

120 26.4 21.6 32.4

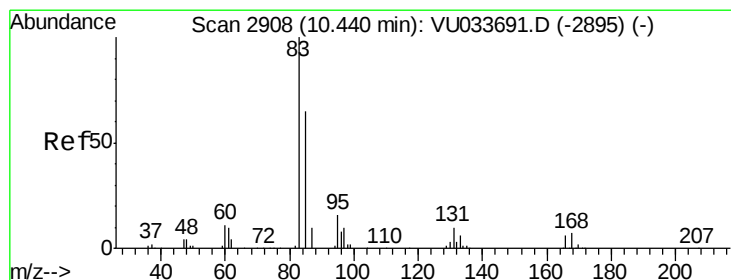
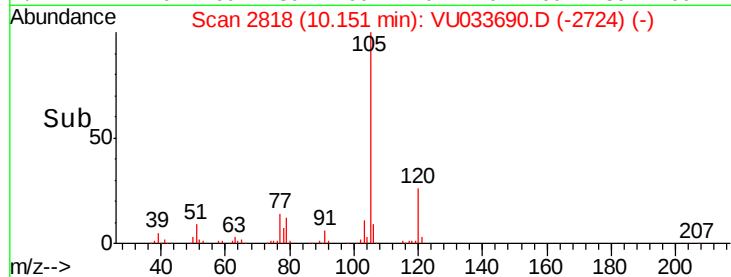
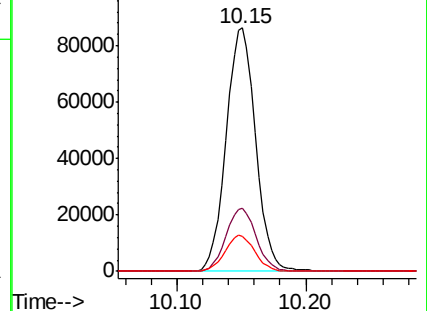
77 14.9 12.3 18.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 9.455 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033690.D

Acq: 09 Aug 2019 17:49

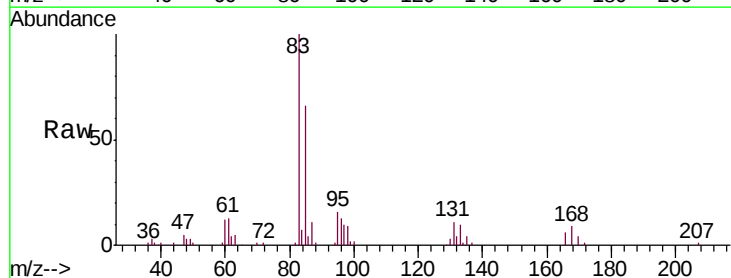
Tgt Ion: 83 Resp: 54818

Ion Ratio Lower Upper

83 100

85 66.4 45.8 85.0

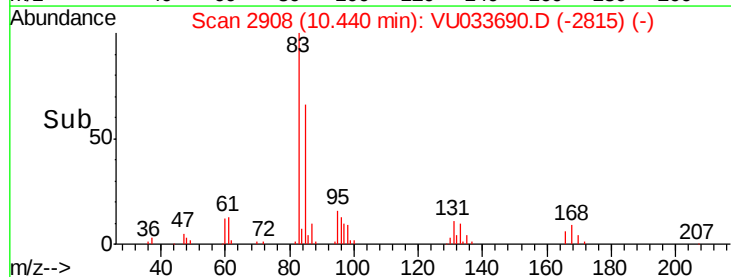
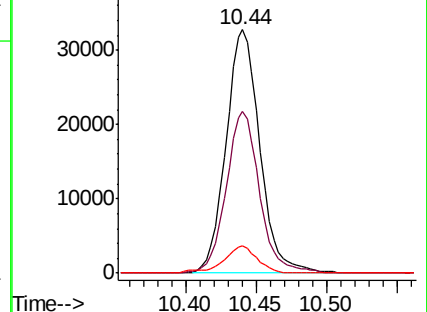
131 11.0 8.1 12.1

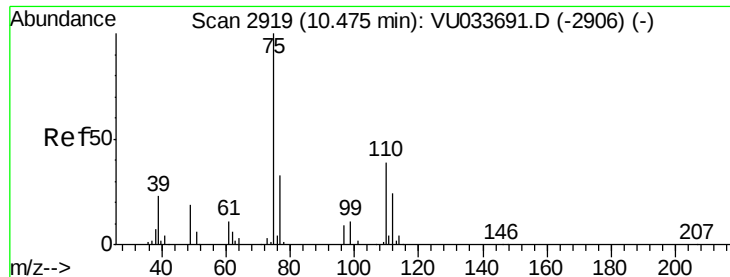


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

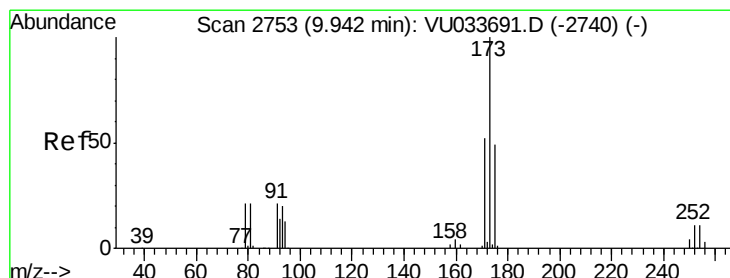
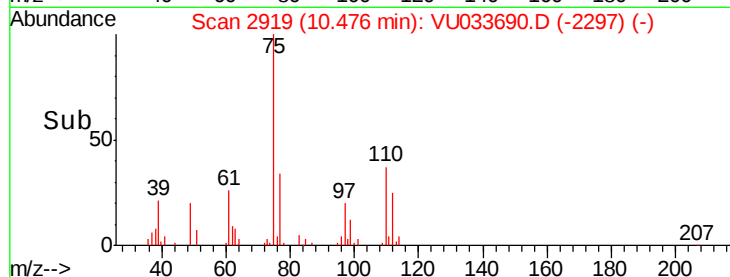
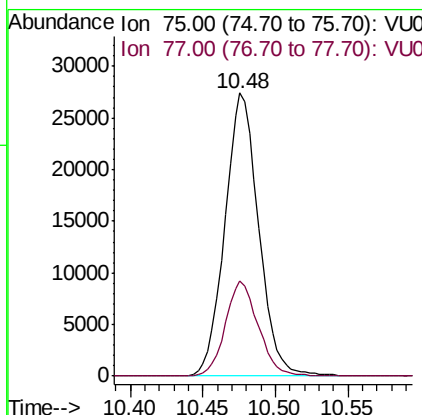
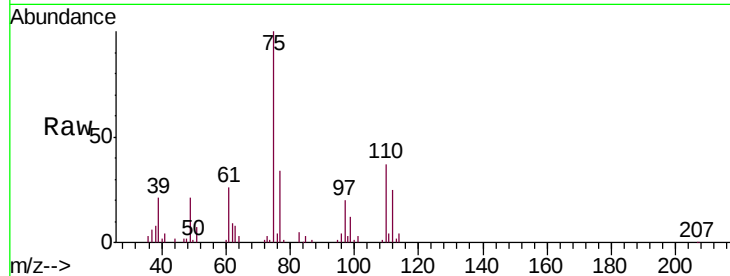




#59
 1,2,3-Trichloropropane
 Concen: 9.842 ug/L
 RT: 10.48 min Scan# 2919
 Delta R.T. 0.00 min
 Lab File: VU033690.D
 Acq: 09 Aug 2019 17:49

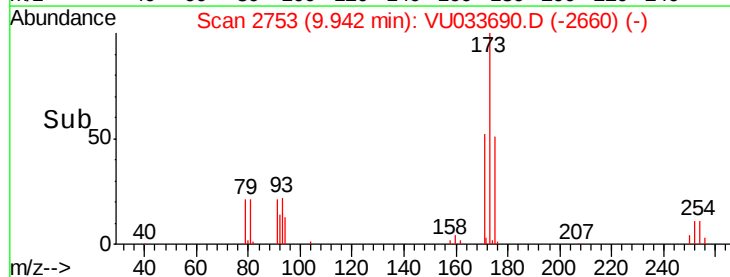
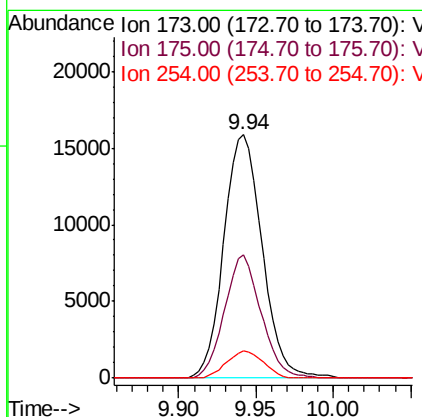
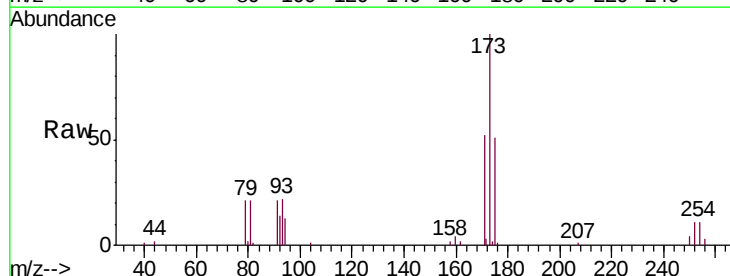
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01033

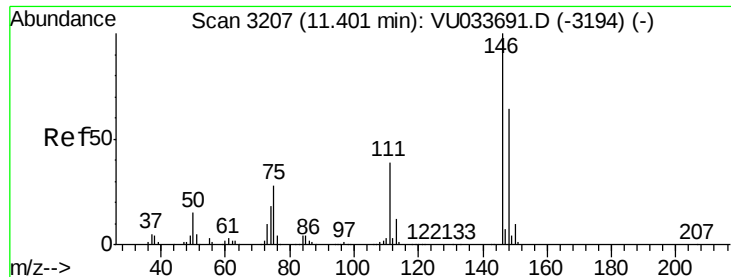
Tgt Ion: 75 Resp: 44216
 Ion Ratio Lower Upper
 75 100
 77 32.6 26.4 39.6



#61
 Bromoform
 Concen: 9.780 ug/L
 RT: 9.94 min Scan# 2753
 Delta R.T. 0.00 min
 Lab File: VU033690.D
 Acq: 09 Aug 2019 17:49

Tgt Ion: 173 Resp: 27299
 Ion Ratio Lower Upper
 173 100
 175 48.0 39.8 59.8
 254 10.7 8.4 12.6





#62

1,3-Dichlorobenzene

Concen: 9.950 ug/L

RT: 11.40 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU033690.D

Acq: 09 Aug 2019 17:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD01033

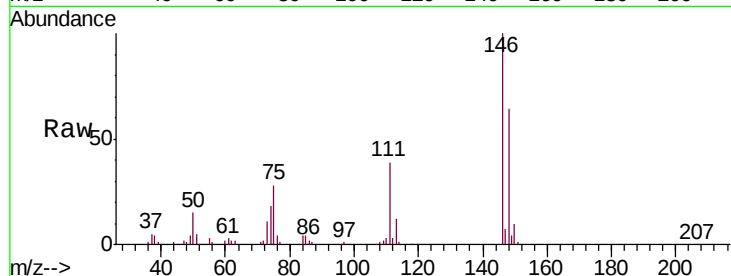
Tgt Ion:146 Resp: 69891

Ion Ratio Lower Upper

146 100

111 39.0 27.0 50.2

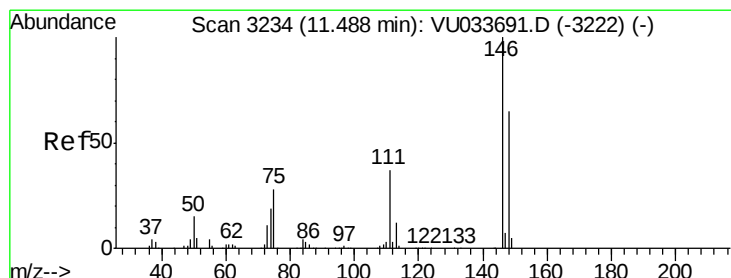
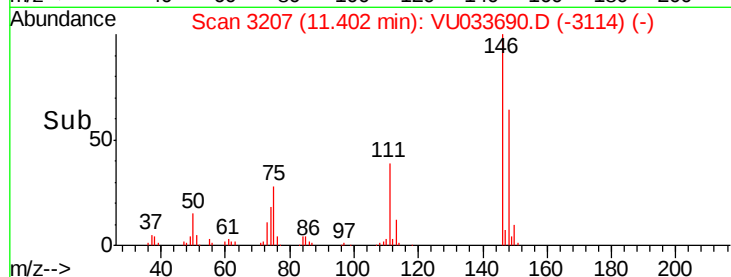
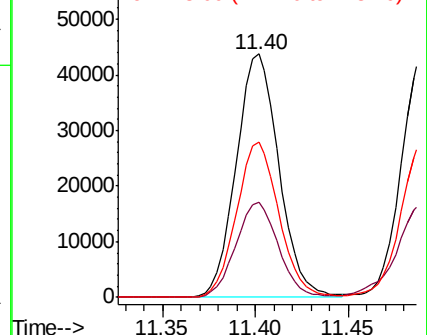
148 64.0 44.7 82.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 9.853 ug/L

RT: 11.49 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU033690.D

Acq: 09 Aug 2019 17:49

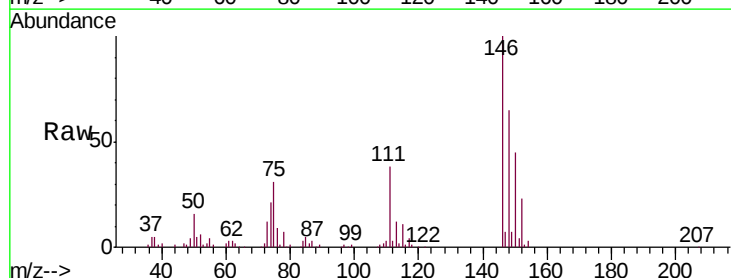
Tgt Ion:146 Resp: 71582

Ion Ratio Lower Upper

146 100

111 37.9 26.0 48.4

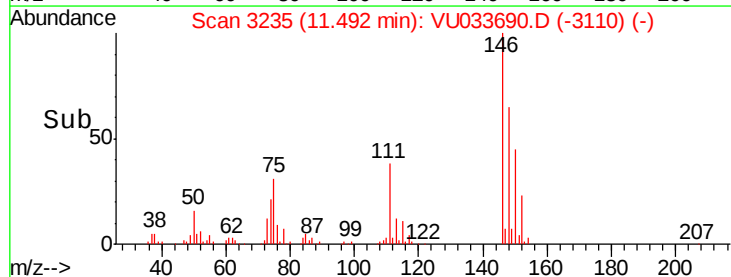
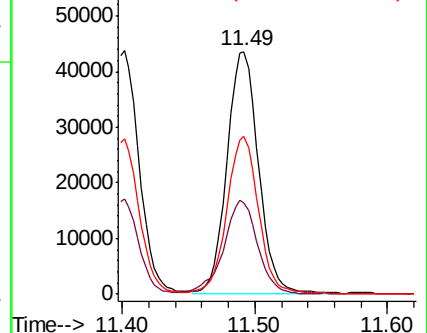
148 64.9 45.3 84.1

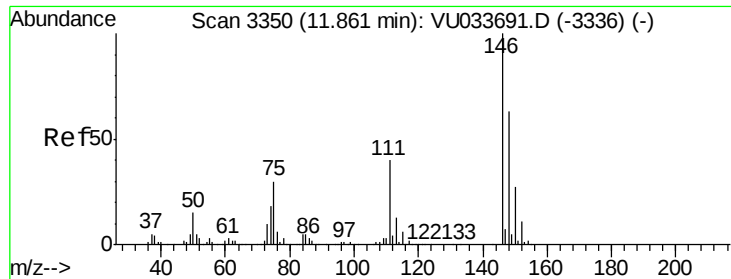


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

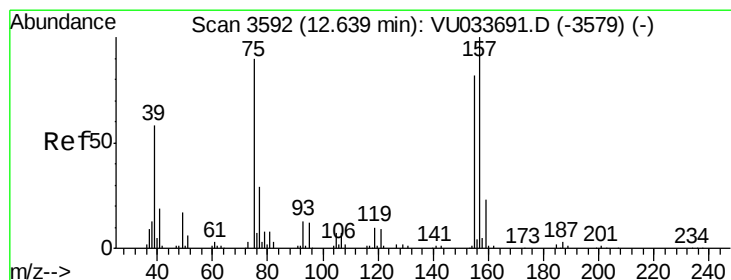
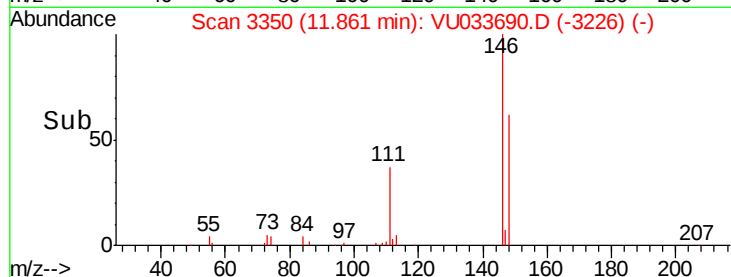
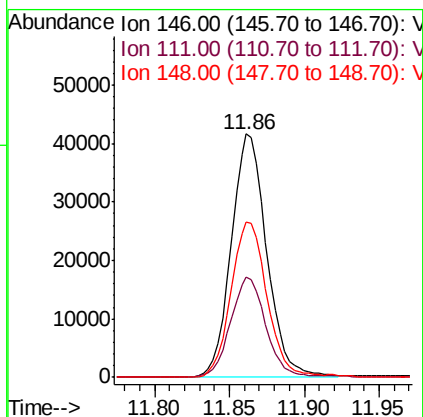
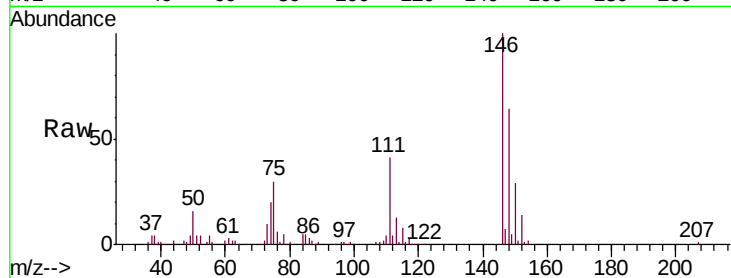




#65
 1,2-Dichlorobenzene
 Concen: 9.675 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU033690.D
 Acq: 09 Aug 2019 17:49

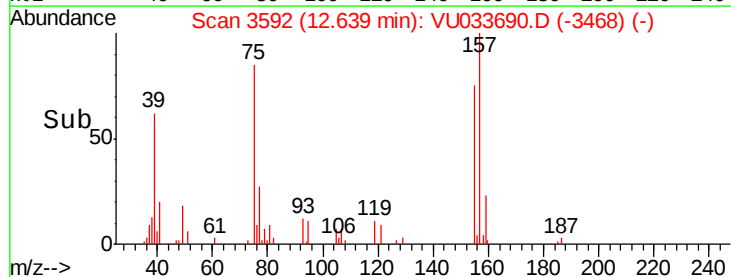
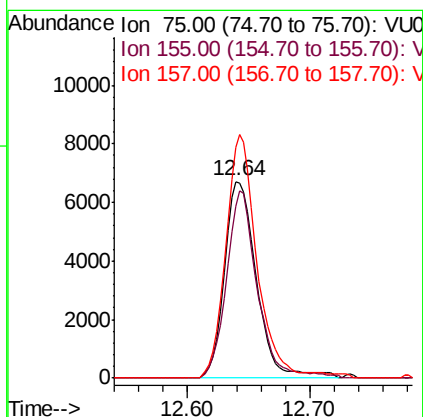
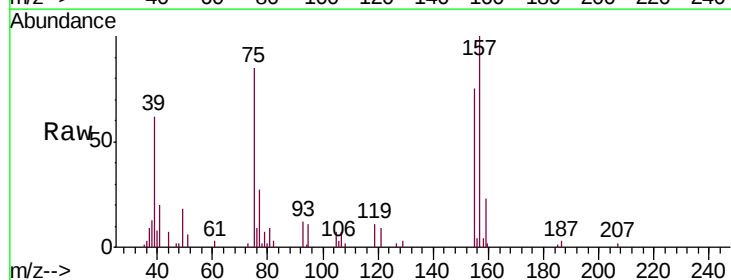
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01033

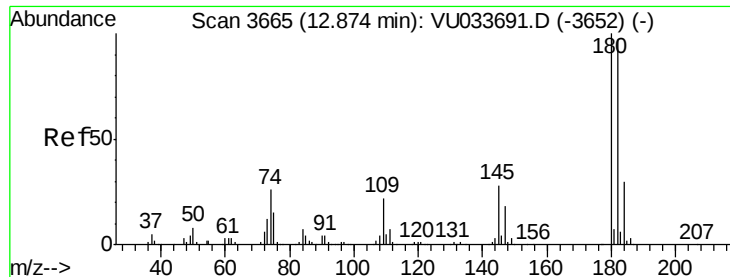
Tgt Ion: 146 Resp: 68653
 Ion Ratio Lower Upper
 146 100
 111 41.3 32.2 48.2
 148 63.7 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 9.322 ug/L
 RT: 12.64 min Scan# 3592
 Delta R.T. 0.00 min
 Lab File: VU033690.D
 Acq: 09 Aug 2019 17:49

Tgt Ion: 75 Resp: 12350
 Ion Ratio Lower Upper
 75 100
 155 87.7 72.7 109.1
 157 117.5 88.6 132.8

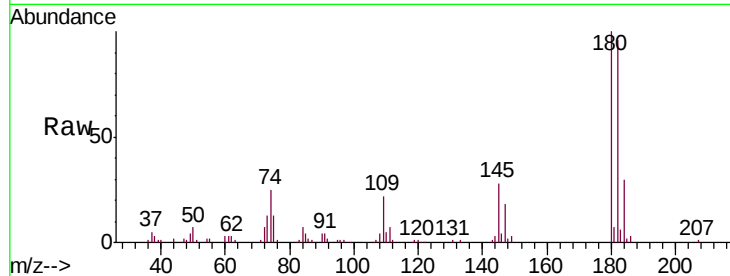




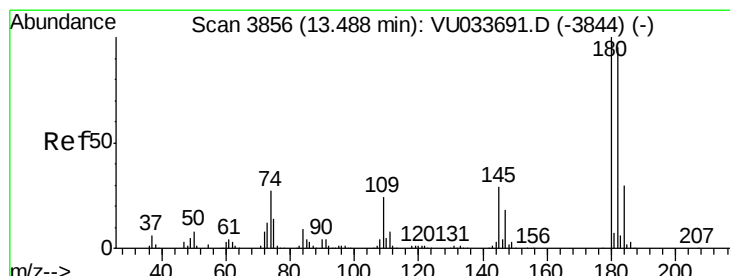
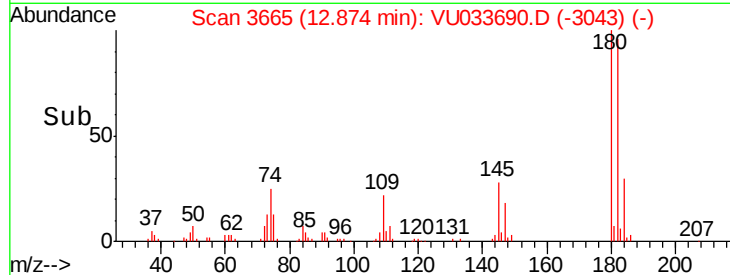
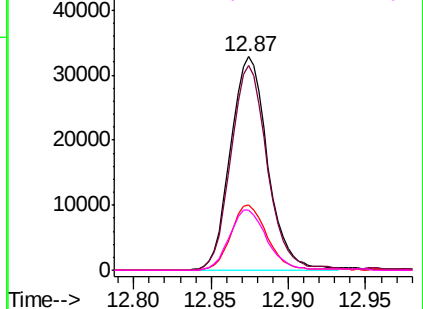
#67
 1,3,5-Trichlorobenzene
 Concen: 10.183 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. 0.00 min
 Lab File: VU033690.D
 Acq: 09 Aug 2019 17:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01033

Tgt Ion:180 Resp: 54640
 Ion Ratio Lower Upper
 180 100
 182 93.2 76.5 114.7
 184 30.0 24.2 36.2
 145 28.5 22.3 33.5

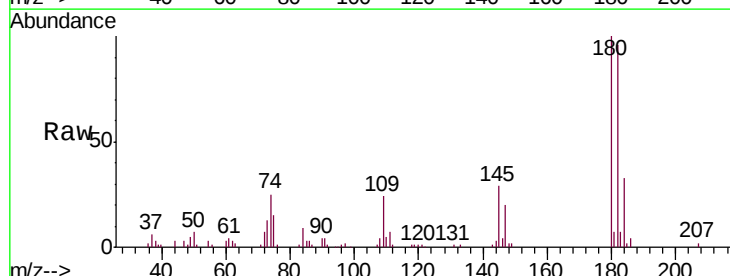


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

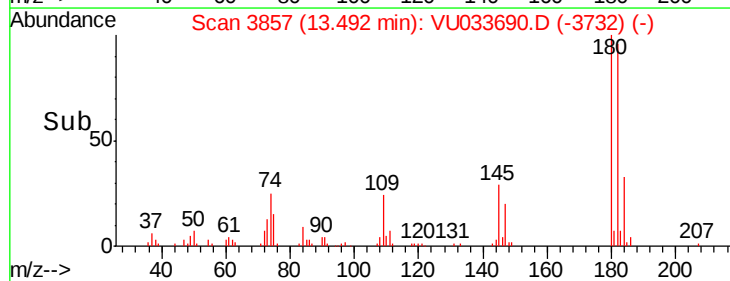
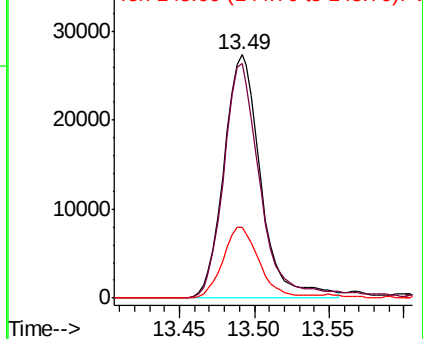


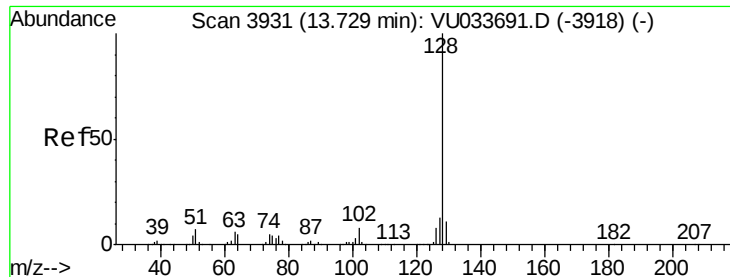
#68
 1,2,4-trichlorobenzene
 Concen: 10.380 ug/L
 RT: 13.49 min Scan# 3857
 Delta R.T. 0.00 min
 Lab File: VU033690.D
 Acq: 09 Aug 2019 17:49

Tgt Ion:180 Resp: 46933
 Ion Ratio Lower Upper
 180 100
 182 96.1 78.2 117.4
 145 28.4 23.5 35.3



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 10.246 ug/L

RT: 13.73 min Scan# 3931

Delta R.T. 0.00 min

Lab File: VU033690.D

Acq: 09 Aug 2019 17:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD01033

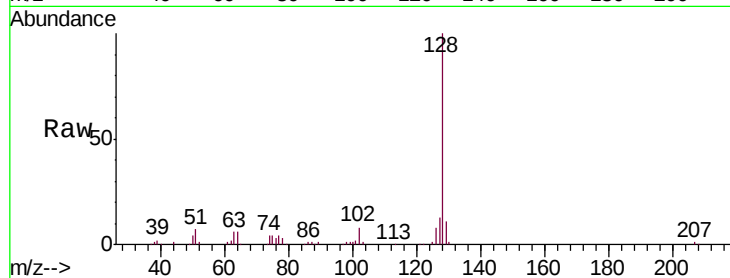
Tgt Ion:128 Resp: 135654

Ion Ratio Lower Upper

128 100

127 12.6 10.4 15.6

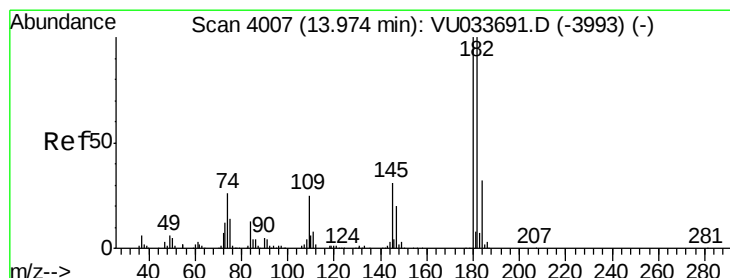
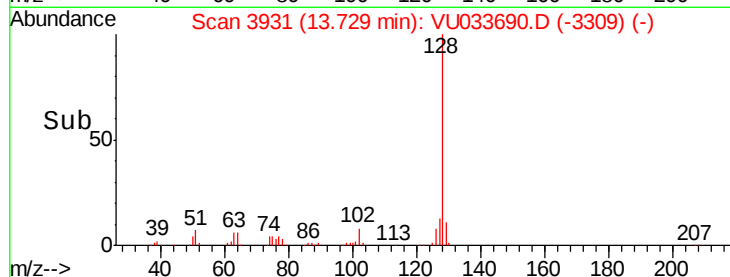
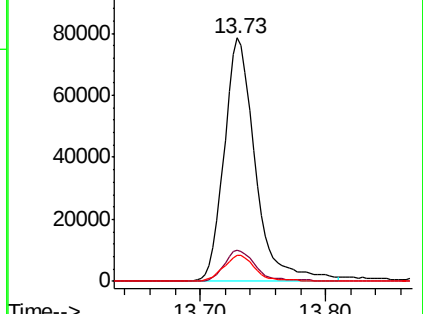
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 10.612 ug/L

RT: 13.98 min Scan# 4008

Delta R.T. 0.00 min

Lab File: VU033690.D

Acq: 09 Aug 2019 17:49

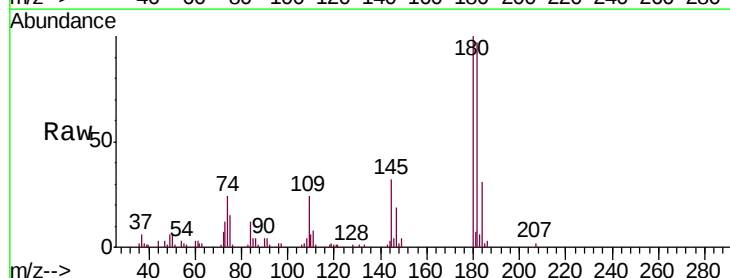
Tgt Ion:180 Resp: 49728

Ion Ratio Lower Upper

180 100

182 97.3 78.5 117.7

145 29.9 24.6 37.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

