

Data File : VU033899.D
Acq On : 22 Aug 2019 14:50
Operator : JC/SP
Sample : VSTD00535
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00535

Quant Time: Aug 23 01:56:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 23 01:53:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	553913	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	562063	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	260275	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	26565	5.31	ug/L	0.00
7) Chloroethane-d5	1.67	69	22903	5.01	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	44786	5.27	ug/L	0.00
21) 2-Butanone-d5	4.27	46	220	0.08	ug/L	0.12
24) Chloroform-d	4.62	84	42710	5.29	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	29159	5.74	ug/L	0.00
32) Benzene-d6	5.32	84	82528	5.20	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	27934	5.40	ug/L	0.00
41) Toluene-d8	7.55	98	70146	4.78	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	10509	4.37	ug/L	0.00
47) 2-Hexanone-d5	8.30	63	12583	6.41	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	37374	5.22	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	28169	5.38	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	24411	4.503 ug/L	100
3) Chloromethane	1.32	50	22828	4.123 ug/L	98
5) Vinyl chloride	1.40	62	25895	4.187 ug/L	90
6) Bromomethane	1.62	94	9057	2.129 ug/L	97
8) Chloroethane	1.69	64	15592	3.668 ug/L	98
9) Trichlorofluoromethane	1.87	101	31714	3.915 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	18574	4.657 ug/L	98
12) 1,1-Dichloroethene	2.27	96	16978	4.417 ug/L	88
13) Acetone	2.31	43	31187	11.581 ug/L	98
14) Carbon disulfide	2.46	76	52946	4.366 ug/L	99
15) Methyl Acetate	2.60	43	22100	4.961 ug/L	97
16) Methylene chloride	2.68	84	19930	4.432 ug/L	93
17) trans-1,2-Dichloroethene	2.96	96	17263	4.284 ug/L	99
18) Methyl tert-butyl Ether	2.98	73	46886	3.966 ug/L	96
19) 1,1-Dichloroethane	3.42	63	35847	4.586 ug/L	96
20) cis-1,2-Dichloroethene	4.20	96	18061	4.141 ug/L	91
23) Bromochloromethane	4.52	128	9678	4.109 ug/L	93
25) Chloroform	4.65	83	38093	4.725 ug/L	98
27) 1,2-Dichloroethane	5.38	62	27101	4.417 ug/L	100
29) Cyclohexane	4.97	56	24154	3.920 ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	28239	4.162 ug/L	99
31) Carbon tetrachloride	5.11	117	24850	4.033 ug/L	95
33) Benzene	5.37	78	69927	4.075 ug/L	100
34) Trichloroethene	6.16	95	19354	4.263 ug/L	95
35) Methylcyclohexane	6.40	83	26637	3.965 ug/L	96
37) 1,2-Dichloropropane	6.41	63	21082	4.495 ug/L	94
38) Bromodichloromethane	6.74	83	26697	4.394 ug/L	98
39) cis-1,3-Dichloropropene	7.25	75	26990	3.927 ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	46798	8.165 ug/L	95
42) Toluene	7.62	91	70611	3.917 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	7.86	75	22766	3.615	ug/L	95
45) 1,1,2-Trichloroethane	8.05	97	18679	4.248	ug/L	96
46) Tetrachloroethene	8.21	164	15201	4.188	ug/L	96
48) 2-Hexanone	8.35	43	35445	7.919	ug/L #	91
49) Dibromochloromethane	8.46	129	20059	4.072	ug/L	100
50) 1,2-Dibromoethane	8.57	107	18841	4.044	ug/L	99
51) Chlorobenzene	9.10	112	50652	4.257	ug/L	99
52) Ethylbenzene	9.23	91	73496	3.834	ug/L	99
53) m,p-Xylene	9.36	106	25998	3.635	ug/L	93
54) o-xylene	9.76	106	24726	3.560	ug/L	97
55) Styrene	9.78	104	38164	3.212	ug/L	100
56) Isopropylbenzene	10.15	105	64058	3.530	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.44	83	30778	4.287	ug/L	94
59) 1,2,3-Trichloropropane	10.48	75	26162	4.566	ug/L	96
61) Bromoform	9.94	173	14741	4.491	ug/L	96
62) 1,3-Dichlorobenzene	11.40	146	35285	4.282	ug/L	97
63) 1,4-Dichlorobenzene	11.49	146	38109	4.468	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	35622	4.318	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.65	75	6080	4.315	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	25022	3.945	ug/L	97
68) 1,2,4-trichlorobenzene	13.49	180	14605	2.803	ug/L	95
69) Naphthalene	13.74	128	36619	2.503	ug/L	96
70) 1,2,3-Trichlorobenzene	13.98	180	16998	3.147	ug/L	97

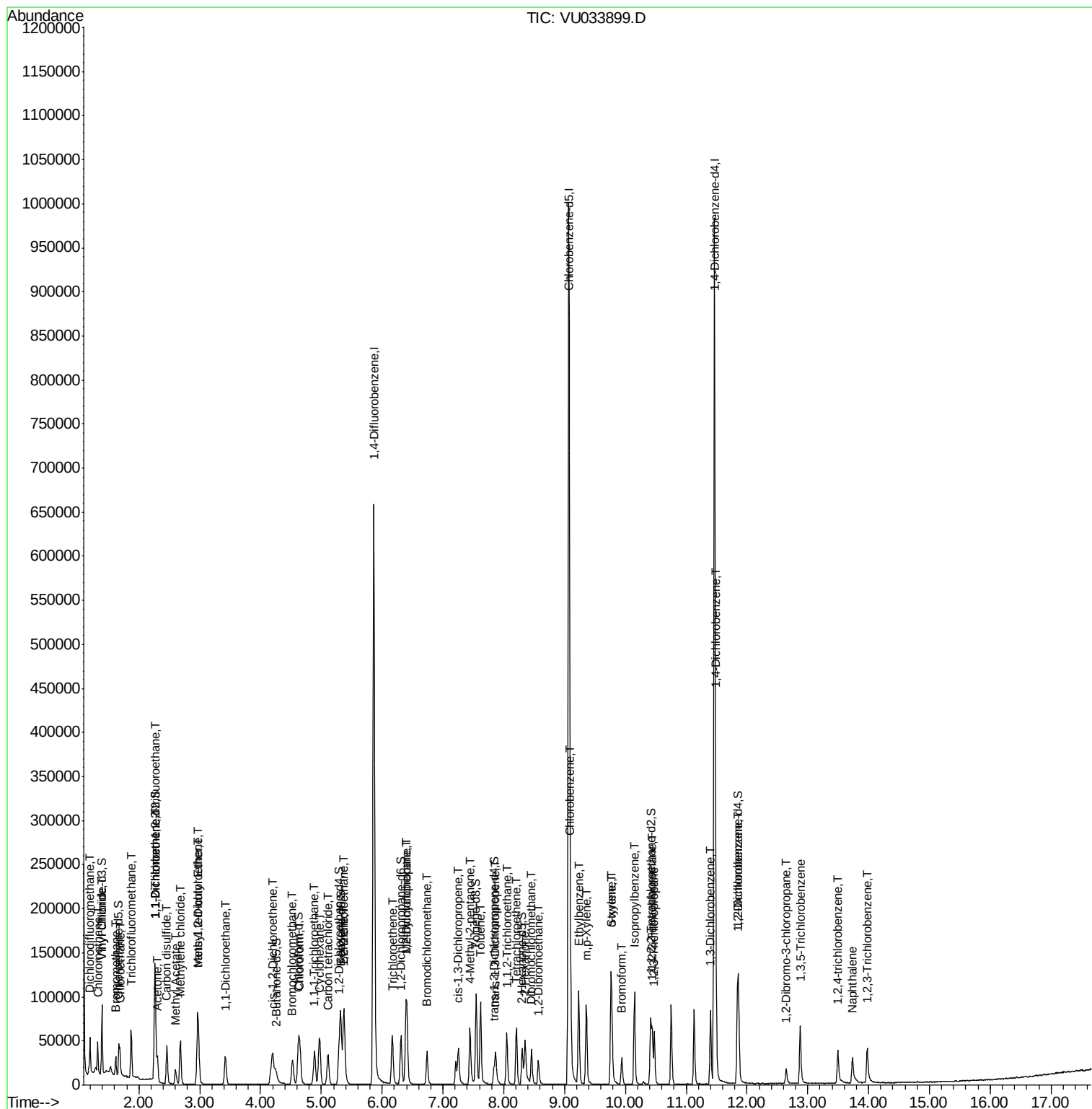
(#) = qualifier out of range (m) = manual integration (+) = signals summed

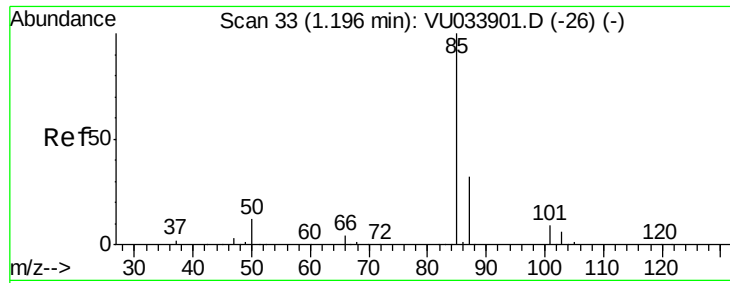
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#2

Dichlorodifluoromethane

Concen: 4.503 ug/L

RT: 1.20 min Scan# 33

Delta R.T. 0.00 min

Lab File: VU033899.D

Acq: 22 Aug 2019 14:50

Instrument :

MSVOA_U

ClientSampleId :

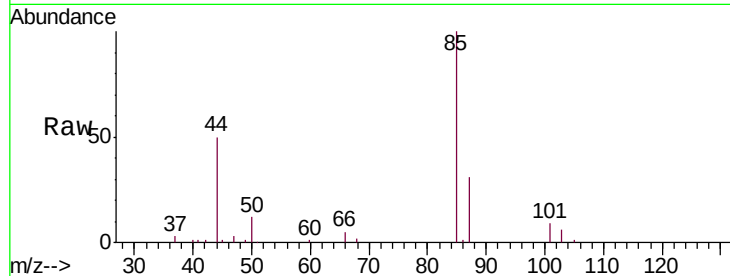
VSTD00535

Tgt Ion: 85 Resp: 24411

Ion Ratio Lower Upper

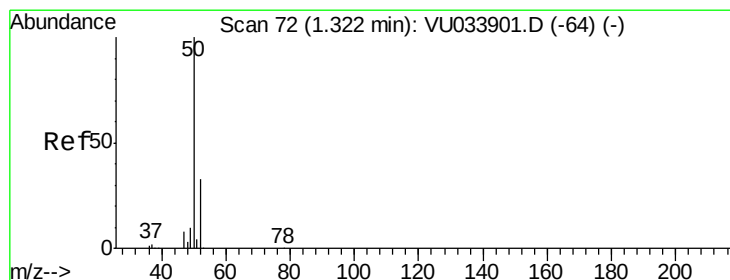
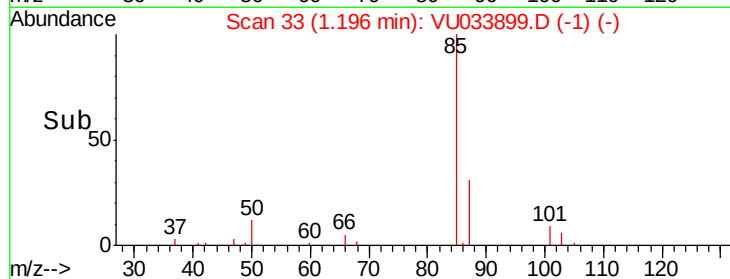
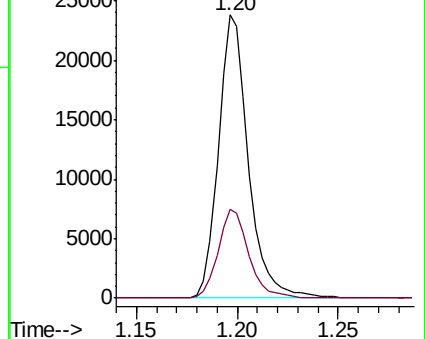
85 100

87 31.8 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VU033899.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU033899.D (-1) (-)



#3

Chloromethane

Concen: 4.123 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU033899.D

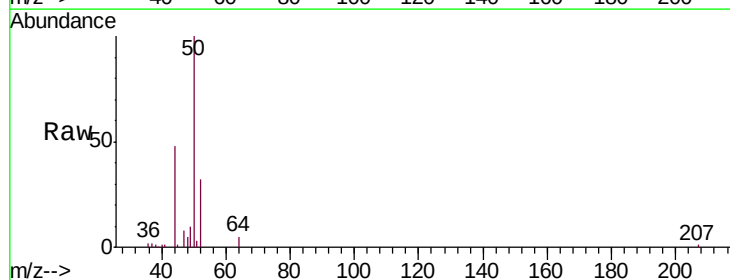
Acq: 22 Aug 2019 14:50

Tgt Ion: 50 Resp: 22828

Ion Ratio Lower Upper

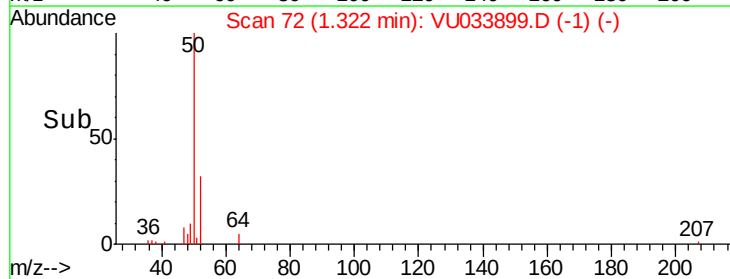
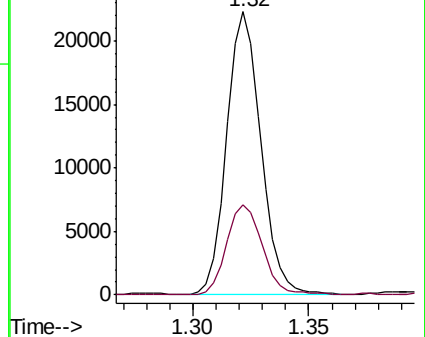
50 100

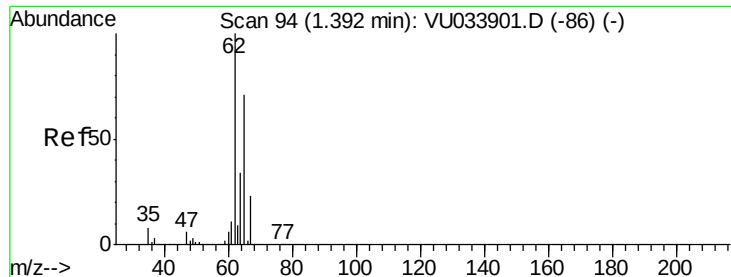
52 32.0 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VU033899.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU033899.D (-1) (-)





#5

Vinyl chloride

Concen: 4.187 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033899.D

Acq: 22 Aug 2019 14:50

Instrument :

MSVOA_U

ClientSampleId :

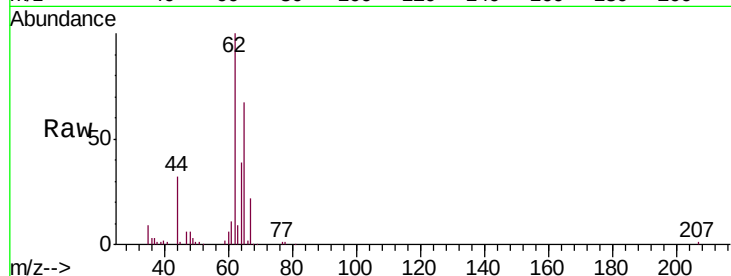
VSTD00535

Tgt Ion: 62 Resp: 25895

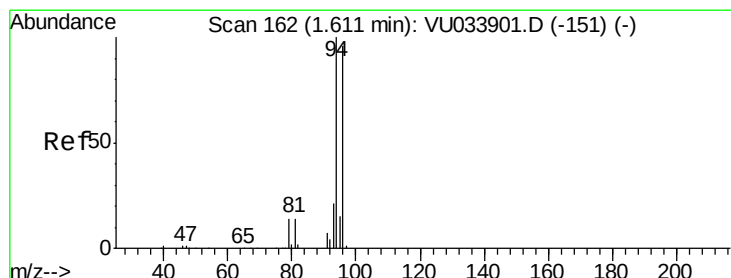
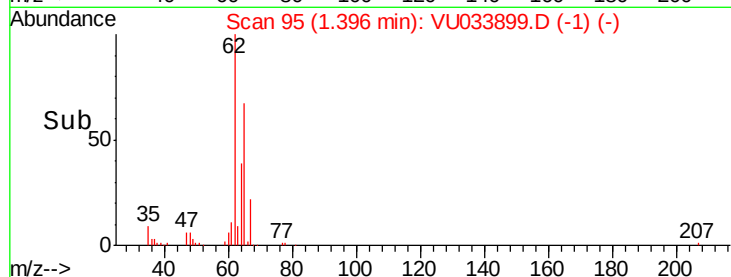
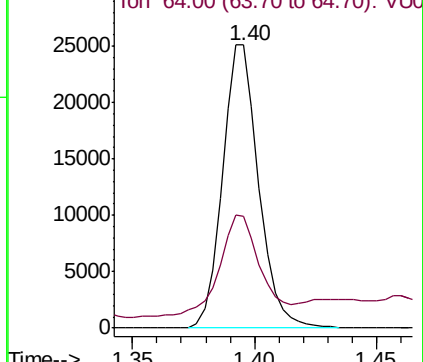
Ion Ratio Lower Upper

62 100

64 39.4 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU033899.D (-1) (-)



#6

Bromomethane

Concen: 2.129 ug/L

RT: 1.62 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU033899.D

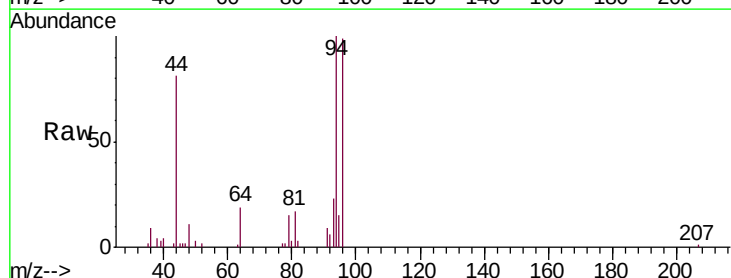
Acq: 22 Aug 2019 14:50

Tgt Ion: 94 Resp: 9057

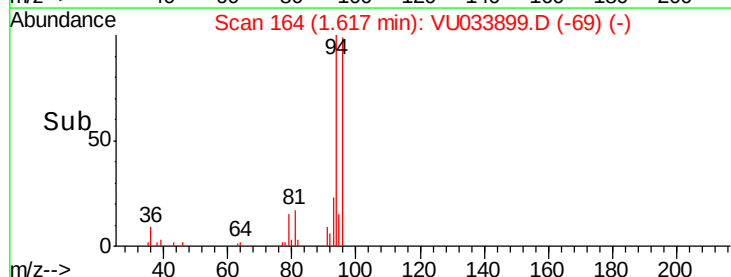
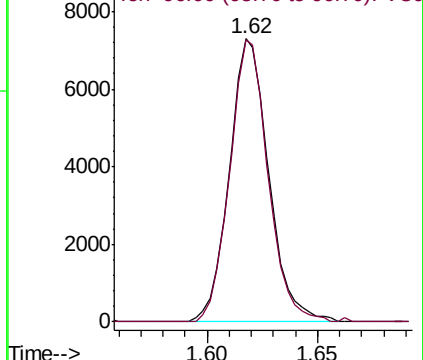
Ion Ratio Lower Upper

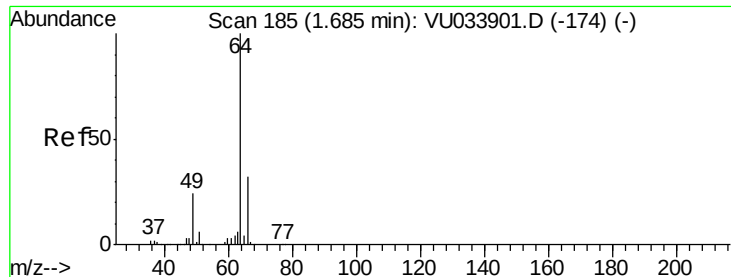
94 100

96 99.4 67.3 124.9



Abundance Ion 94.00 (93.70 to 94.70): VU033899.D (-69) (-)





#8

Chloroethane

Concen: 3.668 ug/L

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU033899.D

Acq: 22 Aug 2019 14:50

Instrument :

MSVOA_U

ClientSampleId :

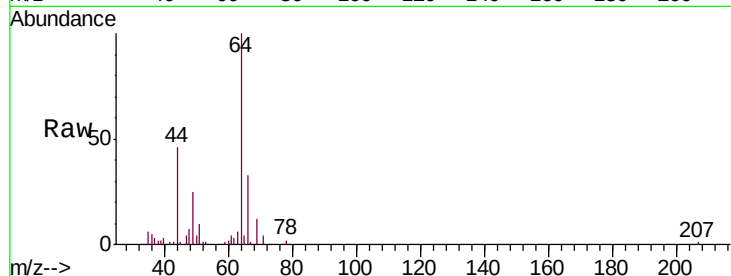
VSTD00535

Tgt Ion: 64 Resp: 15592

Ion Ratio Lower Upper

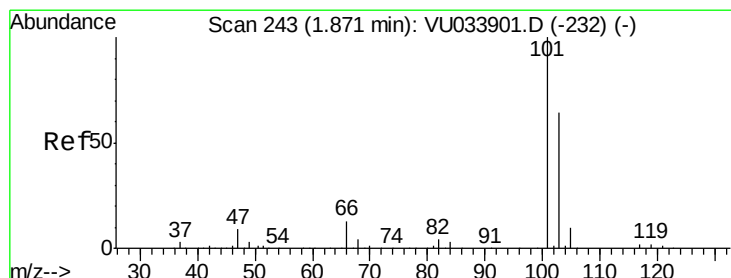
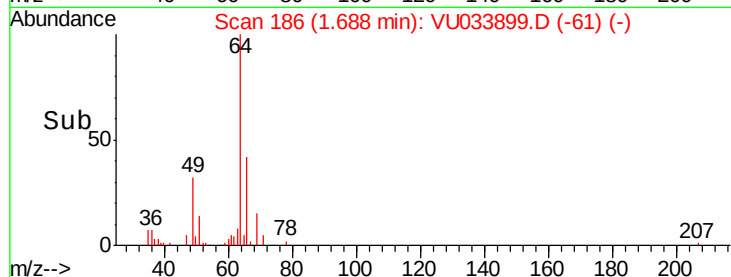
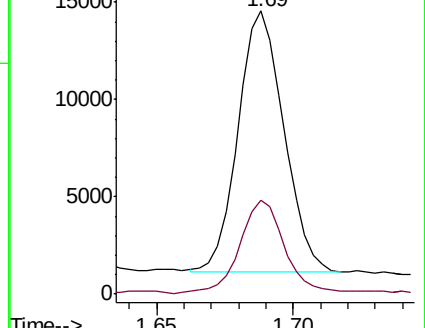
64 100

66 33.3 22.3 41.5



Abundance Ion 64.00 (63.70 to 64.70): VU033899.D (-174) (-)

Ion 66.00 (65.70 to 66.70): VU033899.D (-174) (-)



#9

Trichlorofluoromethane

Concen: 3.915 ug/L

RT: 1.87 min Scan# 244

Delta R.T. 0.00 min

Lab File: VU033899.D

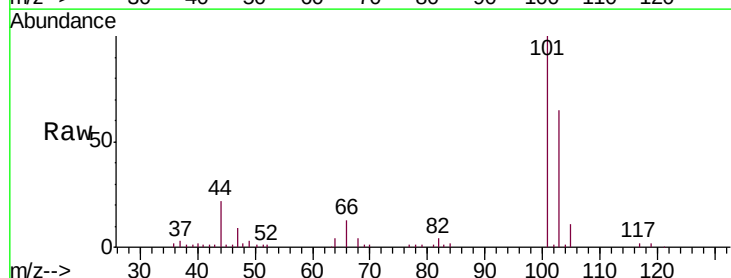
Acq: 22 Aug 2019 14:50

Tgt Ion: 101 Resp: 31714

Ion Ratio Lower Upper

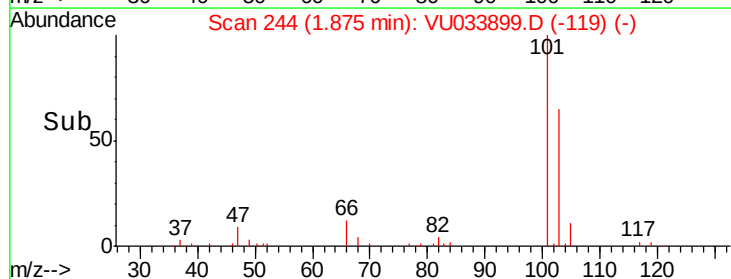
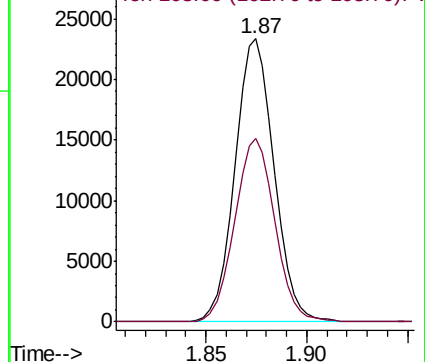
101 100

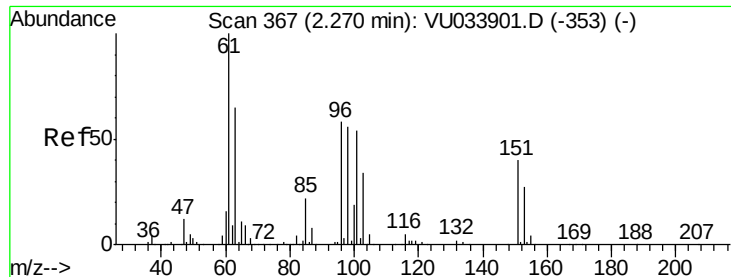
103 66.4 50.9 76.3



Abundance Ion 101.00 (100.70 to 101.70): VU033899.D (-119) (-)

Ion 103.00 (102.70 to 103.70): VU033899.D (-119) (-)





#10

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

Concen: 4.657 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033899.D

Acq: 22 Aug 2019 14:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00535

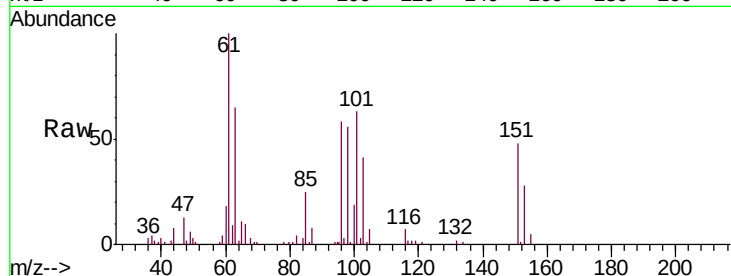
Tgt Ion: 101 Resp: 18574

Ion Ratio Lower Upper

101 100

85 41.8 33.7 50.5

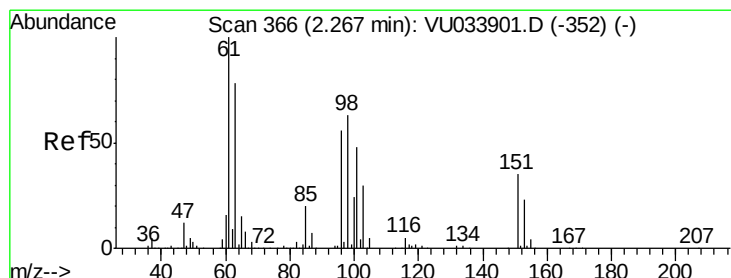
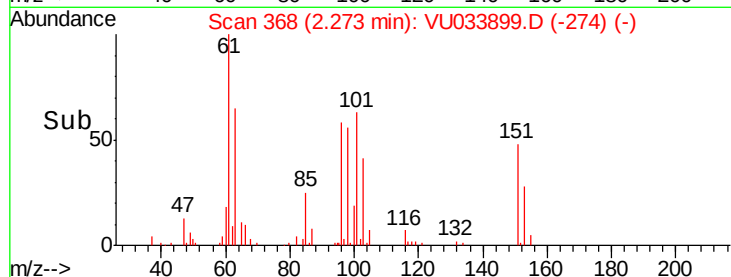
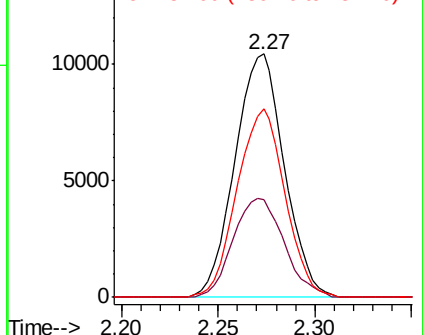
151 75.1 57.8 86.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.417 ug/L

RT: 2.27 min Scan# 366

Delta R.T. 0.00 min

Lab File: VU033899.D

Acq: 22 Aug 2019 14:50

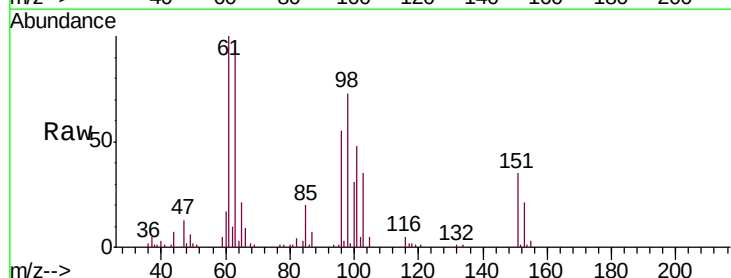
Tgt Ion: 96 Resp: 16978

Ion Ratio Lower Upper

96 100

61 182.8 124.7 231.5

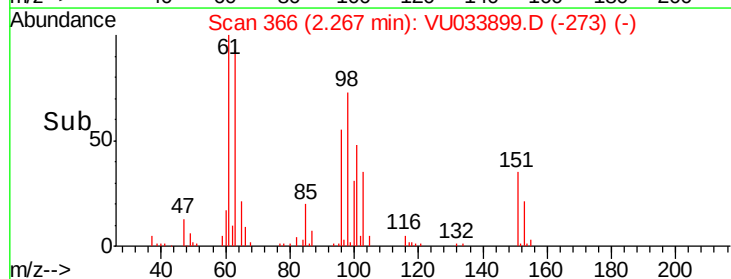
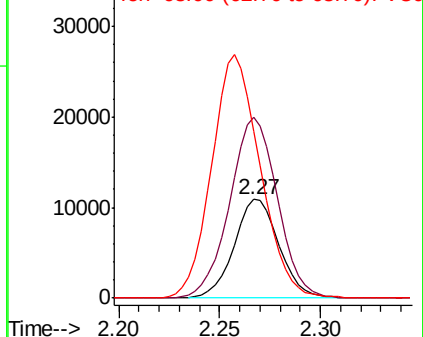
63 169.3 97.9 181.9

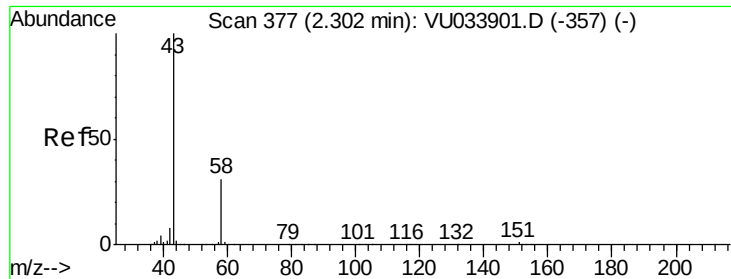


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 11.581 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

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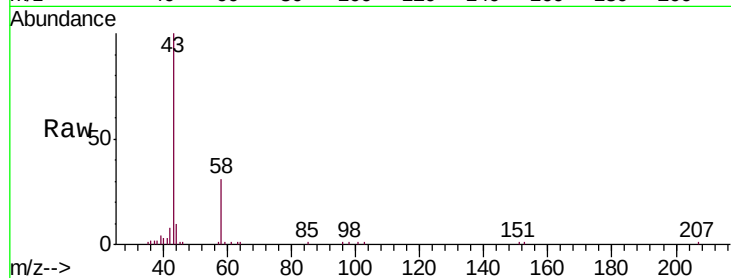
VSTD00535

Tgt Ion: 43 Resp: 31187

Ion Ratio Lower Upper

43 100

58 32.2 0.0 62.4



Abundance Ion 43.00 (42.70 to 43.70): VU033899.D (-357) (-)

Ion 58.00 (57.70 to 58.70): VU033899.D (-357) (-)

20000

15000

10000

5000

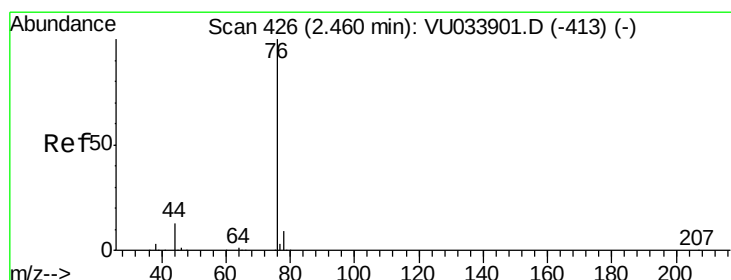
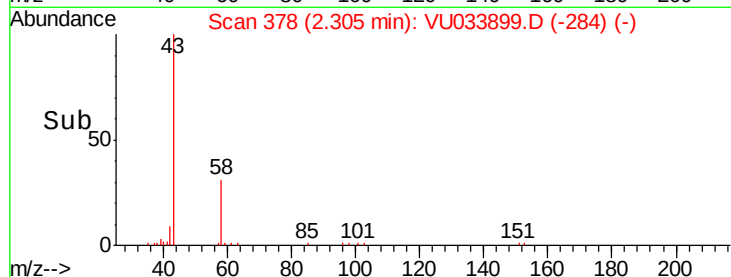
0

2.31

2.30

2.35

Time-->



#14

Carbon disulfide

Concen: 4.366 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VU033899.D

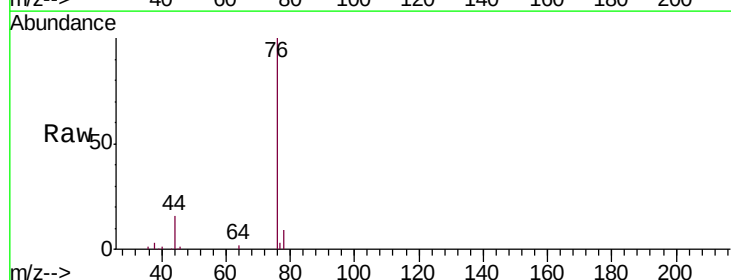
Acq: 22 Aug 2019 14:50

Tgt Ion: 76 Resp: 52946

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU033899.D (-413) (-)

Ion 78.00 (77.70 to 78.70): VU033899.D (-413) (-)

30000

20000

10000

0

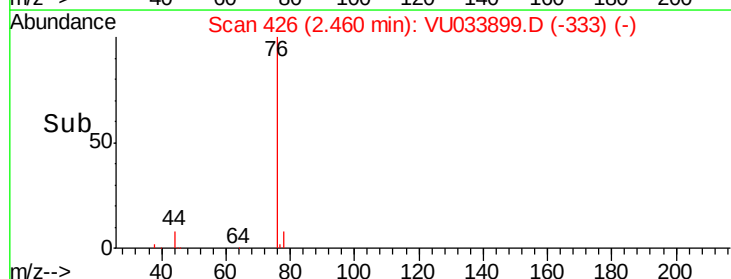
2.46

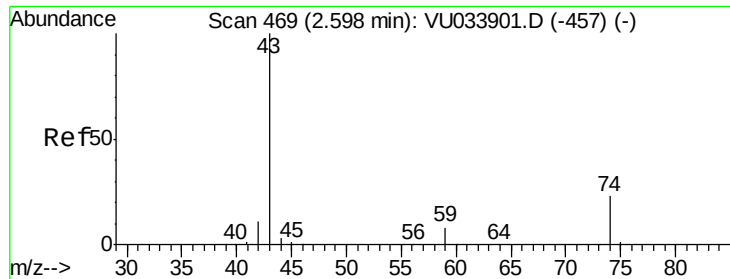
2.45

2.50

2.55

Time-->

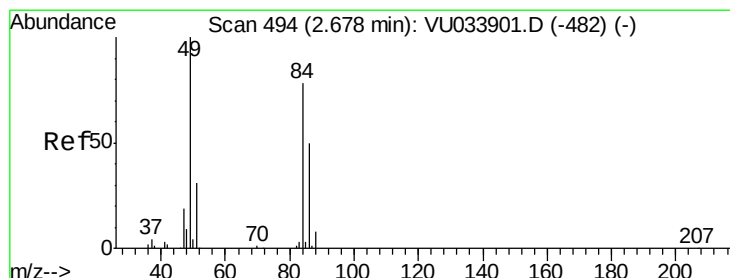
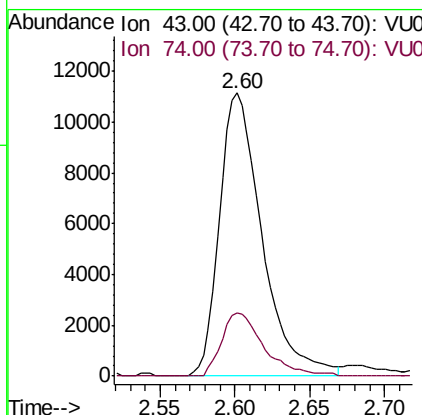
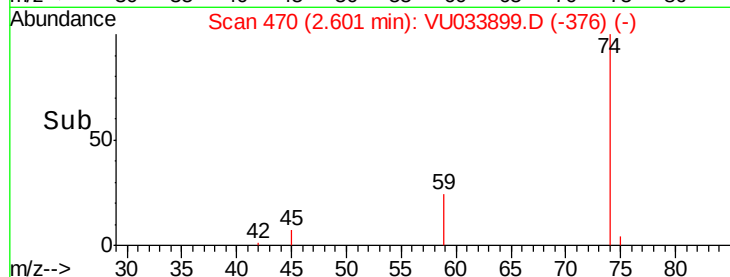
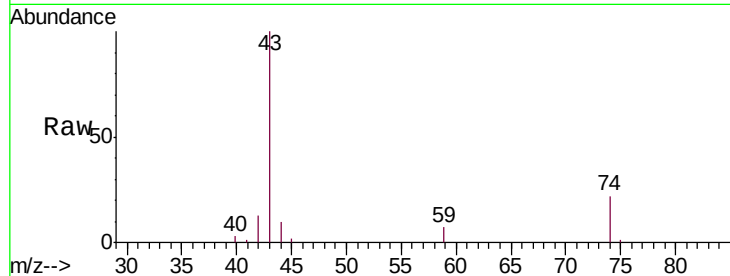




#15
Methyl Acetate
Concen: 4.961 ug/L
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU033899.D
Acq: 22 Aug 2019 14:50

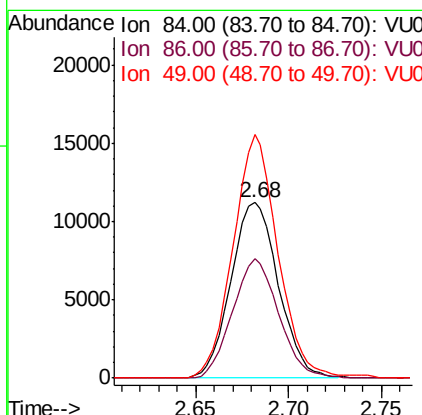
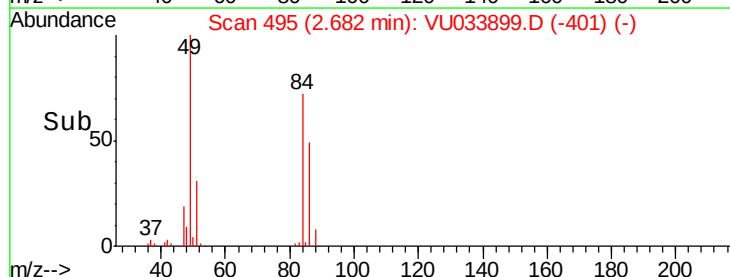
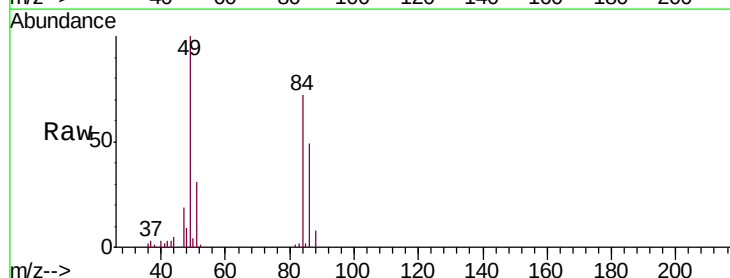
Instrument :
MSVOA_U
ClientSampleId :
VSTD00535

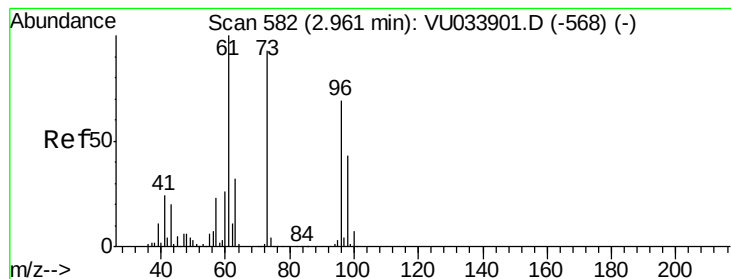
Tgt Ion: 43 Resp: 22100
Ion Ratio Lower Upper
43 100
74 21.8 18.6 27.8



#16
Methylene chloride
Concen: 4.432 ug/L
RT: 2.68 min Scan# 495
Delta R.T. 0.00 min
Lab File: VU033899.D
Acq: 22 Aug 2019 14:50

Tgt Ion: 84 Resp: 19930
Ion Ratio Lower Upper
84 100
86 68.3 45.3 84.1
49 138.7 90.2 167.6





#17

trans-1,2-Dichloroethene

Concen: 4.284 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033899.D

Acq: 22 Aug 2019 14:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00535

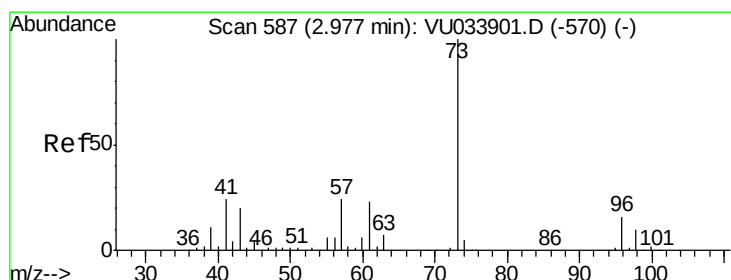
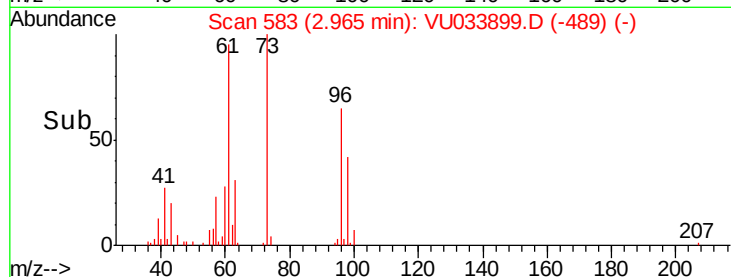
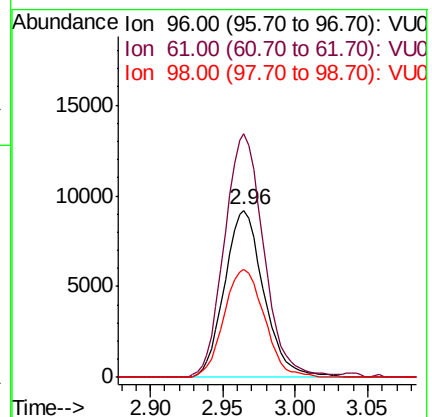
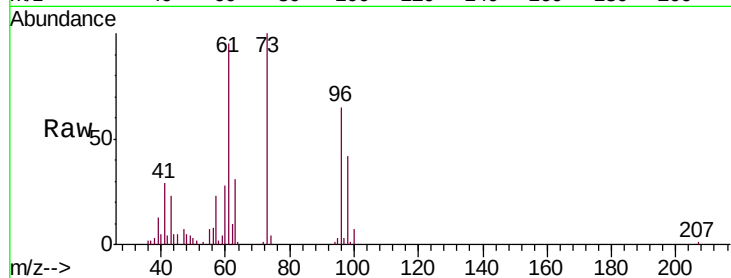
Tgt Ion: 96 Resp: 17263

Ion Ratio Lower Upper

96 100

61 145.9 101.2 187.8

98 64.3 44.0 81.6



#18

Methyl tert-butyl Ether

Concen: 3.966 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU033899.D

Acq: 22 Aug 2019 14:50

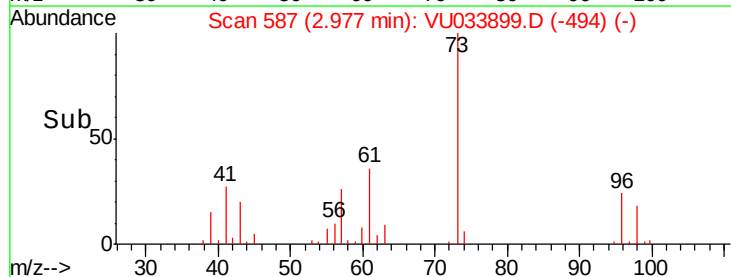
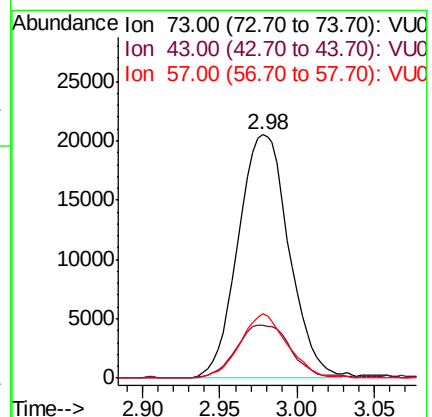
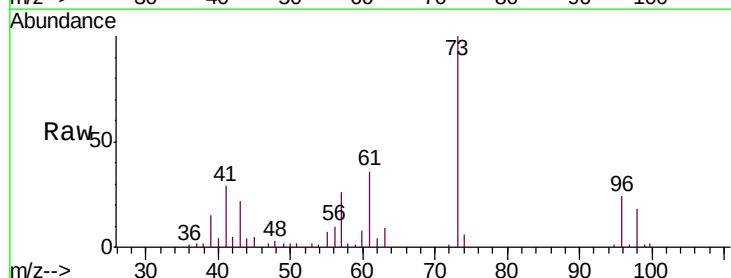
Tgt Ion: 73 Resp: 46886

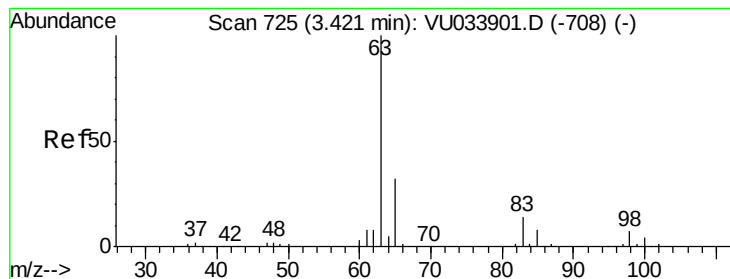
Ion Ratio Lower Upper

73 100

43 23.5 16.3 24.5

57 24.4 18.8 28.2





#19

1,1-Dichloroethane

Concen: 4.586 ug/L

RT: 3.42 min Scan# 725

Delta R.T. 0.00 min

Lab File: VU033899.D

Acq: 22 Aug 2019 14:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00535

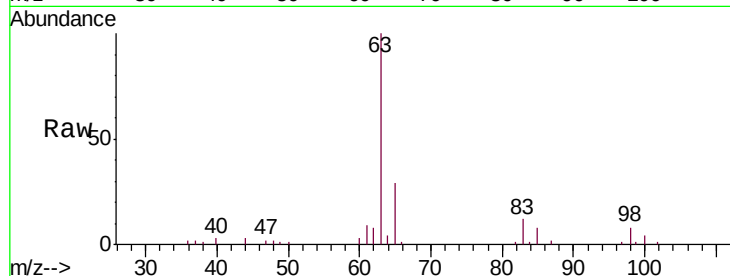
Tgt Ion: 63 Resp: 35847

Ion Ratio Lower Upper

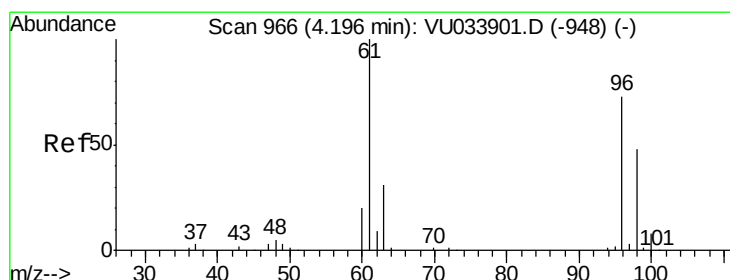
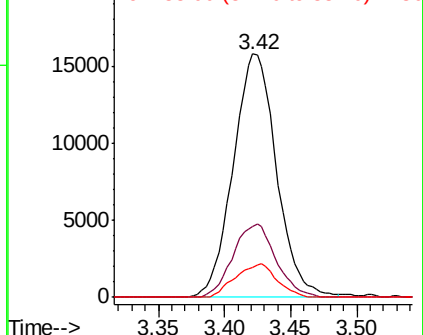
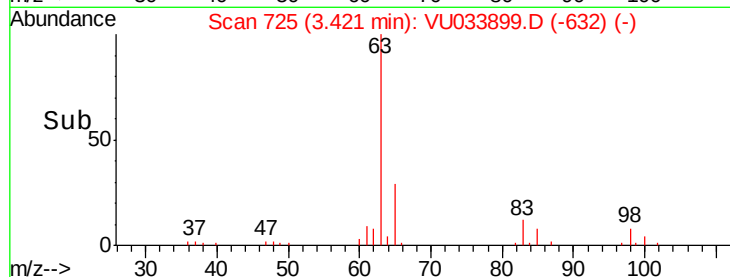
63 100

65 29.2 22.4 41.6

83 12.4 9.4 17.6



Abundance Ion 63.00 (62.70 to 63.70): VU033899.D (-632) (-)



#20

cis-1,2-Dichloroethene

Concen: 4.141 ug/L

RT: 4.20 min Scan# 966

Delta R.T. 0.01 min

Lab File: VU033899.D

Acq: 22 Aug 2019 14:50

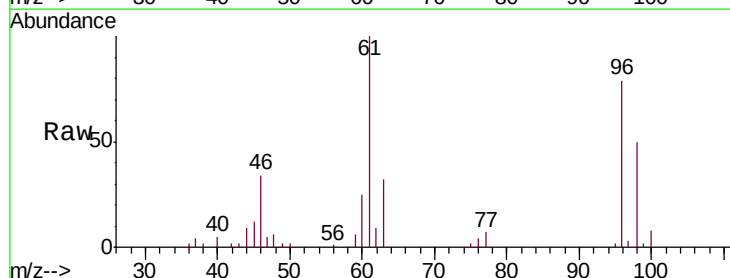
Tgt Ion: 96 Resp: 18061

Ion Ratio Lower Upper

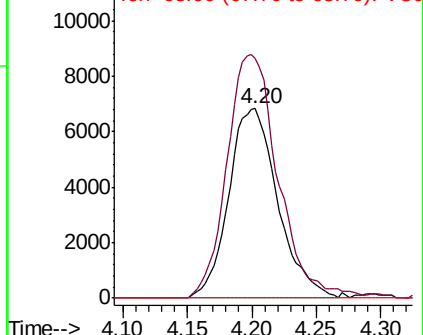
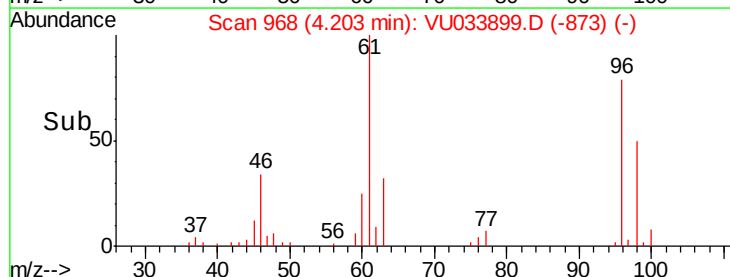
96 100

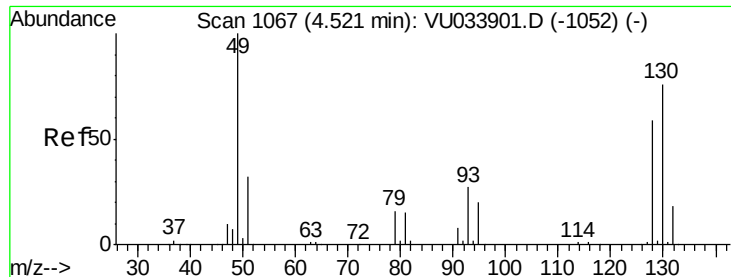
61 126.3 95.5 177.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU033899.D (-873) (-)





#23

Bromochloromethane

Concen: 4.109 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU033899.D

Acq: 22 Aug 2019 14:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00535

Tgt Ion:128 Resp: 9678

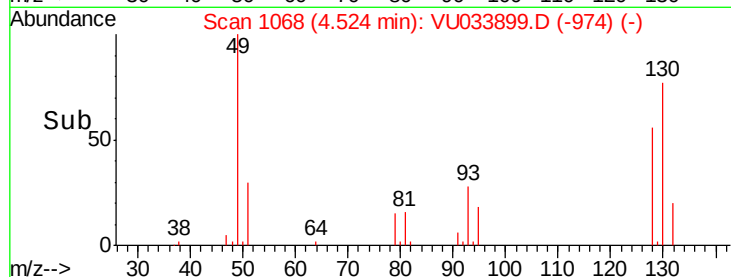
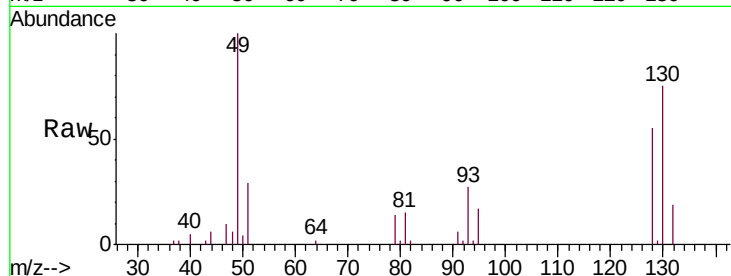
Ion Ratio Lower Upper

128 100

49 182.9 119.4 221.8

130 136.8 90.9 168.7

51 53.6 43.0 64.4

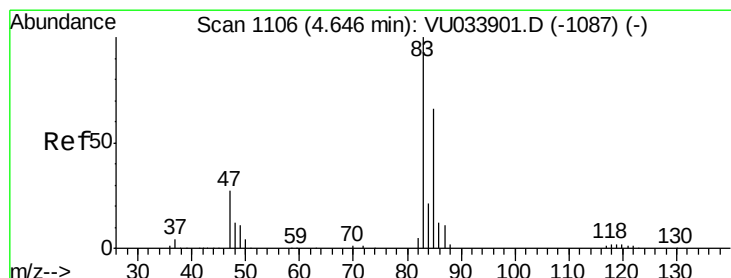
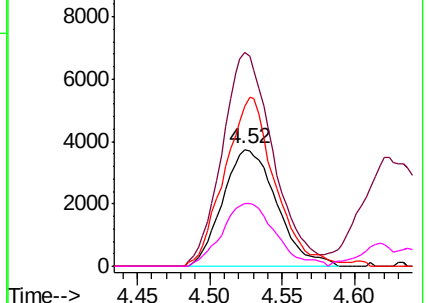


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VU0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VU0



#25

Chloroform

Concen: 4.725 ug/L

RT: 4.65 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VU033899.D

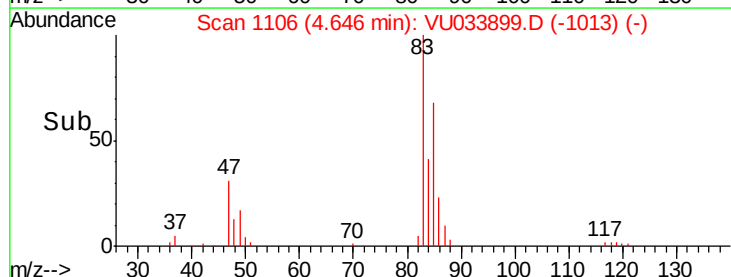
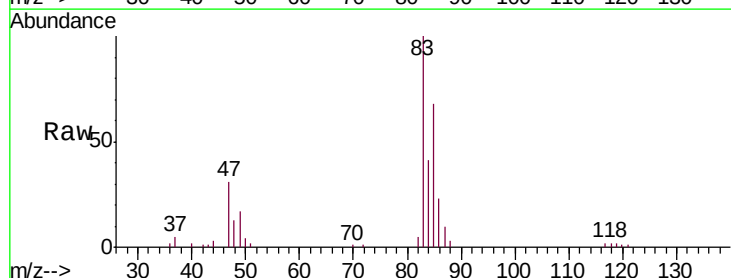
Acq: 22 Aug 2019 14:50

Tgt Ion: 83 Resp: 38093

Ion Ratio Lower Upper

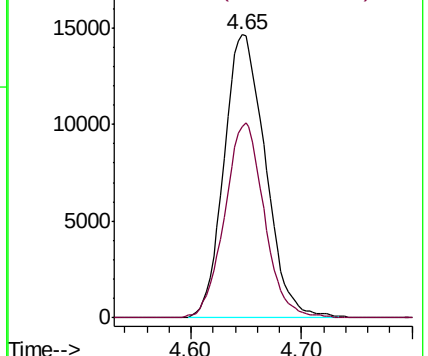
83 100

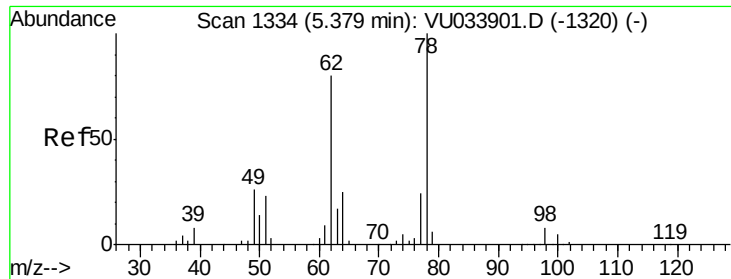
85 67.7 46.2 85.8



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

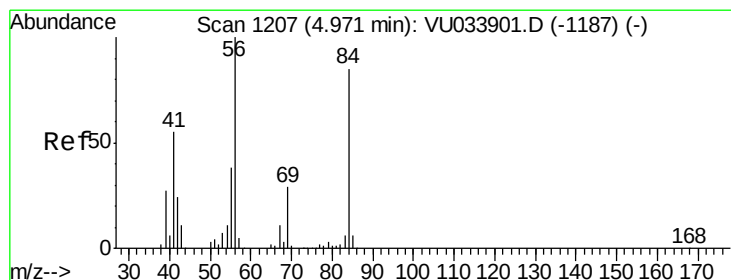
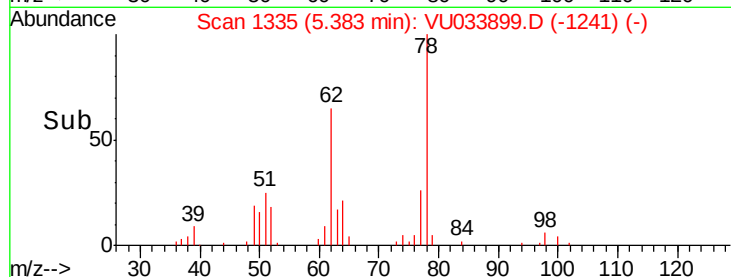
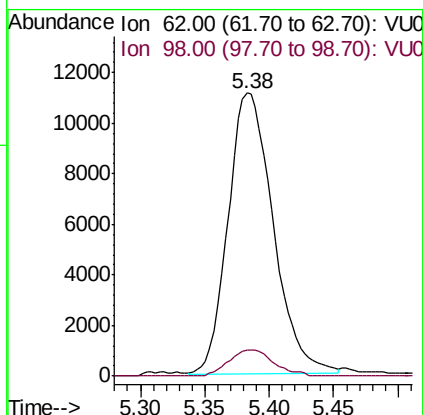
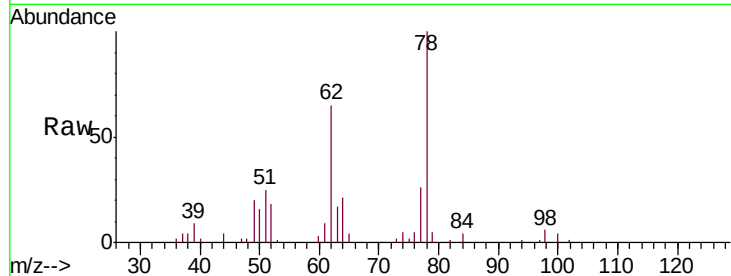




#27
 1,2-Dichloroethane
 Concen: 4.417 ug/L
 RT: 5.38 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: VU033899.D
 Acq: 22 Aug 2019 14:50

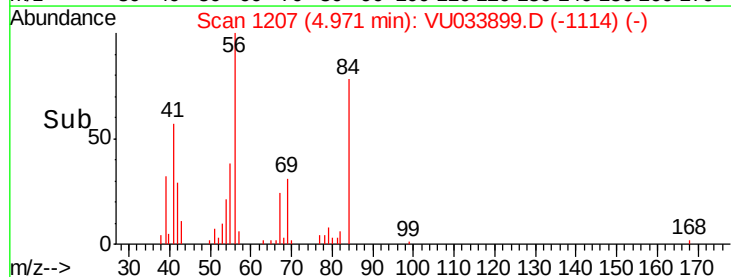
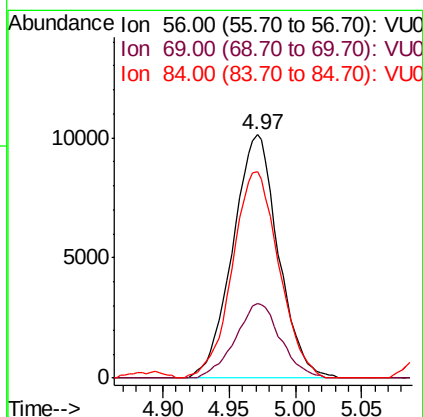
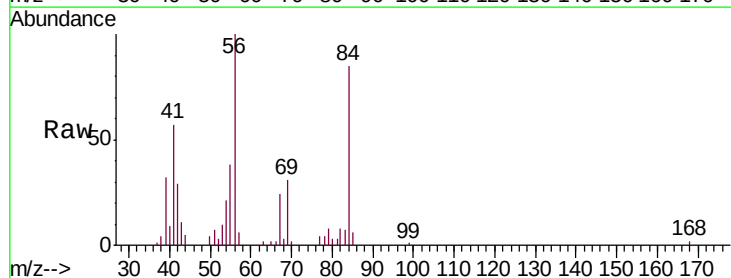
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00535

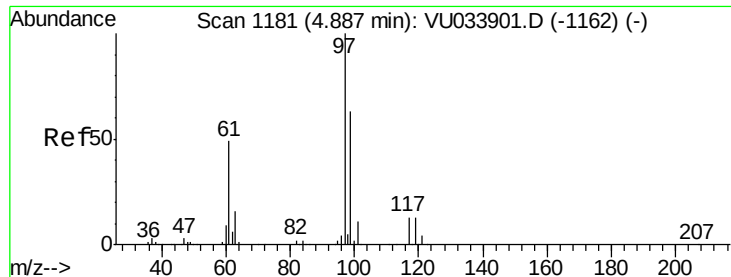
Tgt Ion: 62 Resp: 27101
 Ion Ratio Lower Upper
 62 100
 98 9.2 7.5 11.3



#29
 Cyclohexane
 Concen: 3.920 ug/L
 RT: 4.97 min Scan# 1207
 Delta R.T. 0.00 min
 Lab File: VU033899.D
 Acq: 22 Aug 2019 14:50

Tgt Ion: 56 Resp: 24154
 Ion Ratio Lower Upper
 56 100
 69 30.5 24.1 36.1
 84 86.9 68.6 103.0





#30

1,1,1-Trichloroethane

Concen: 4.162 ug/L

RT: 4.89 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VU033899.D

Acq: 22 Aug 2019 14:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00535

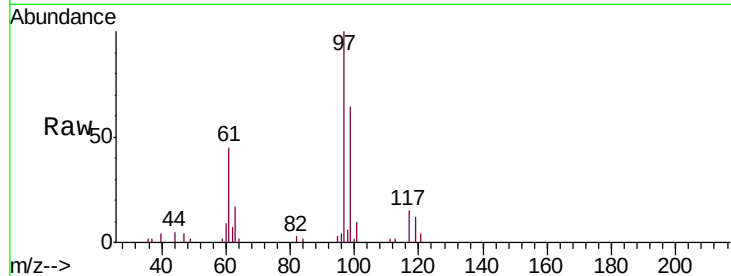
Tgt Ion: 97 Resp: 28239

Ion Ratio Lower Upper

97 100

99 64.8 51.1 76.7

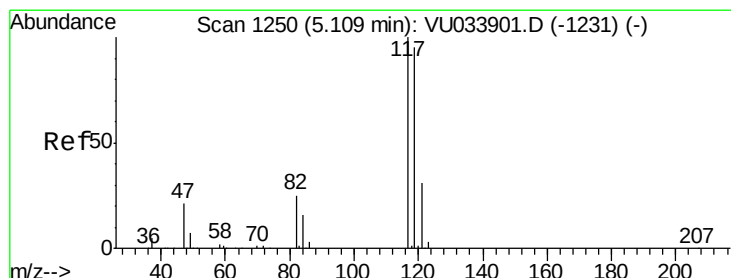
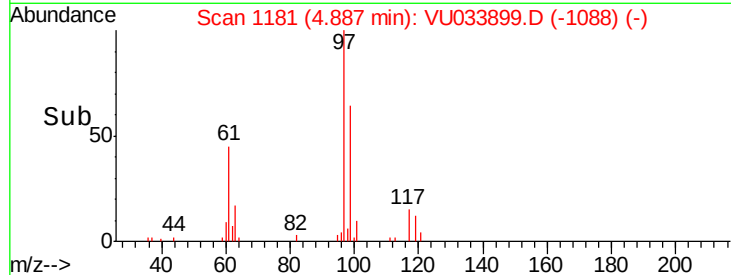
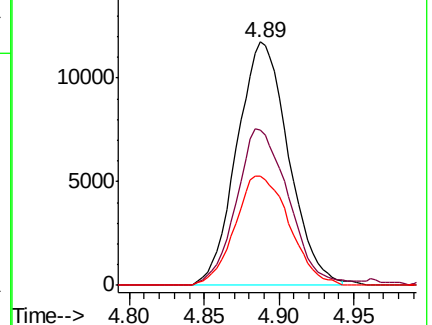
61 47.2 38.6 57.8



Abundance Ion 97.00 (96.70 to 97.70): VU033899.D (-1162) (-)

Ion 99.00 (98.70 to 99.70): VU033899.D (-1162) (-)

Ion 61.05 (60.75 to 61.75): VU033899.D (-1162) (-)



#31

Carbon tetrachloride

Concen: 4.033 ug/L

RT: 5.11 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VU033899.D

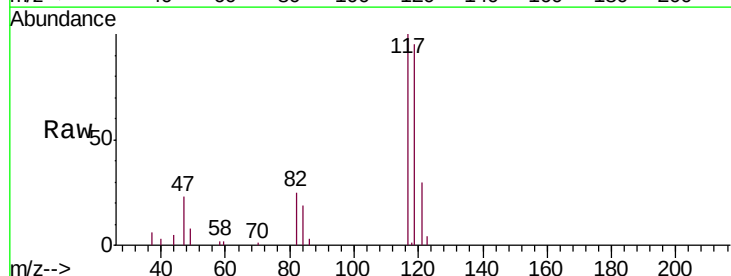
Acq: 22 Aug 2019 14:50

Tgt Ion: 117 Resp: 24850

Ion Ratio Lower Upper

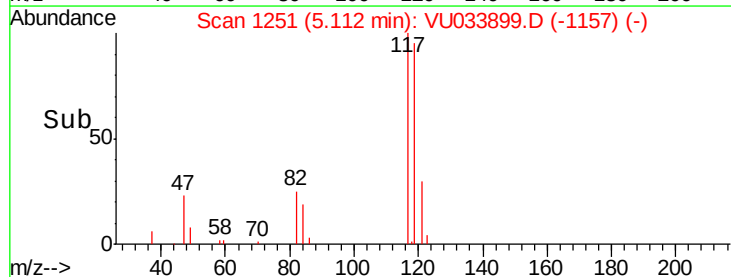
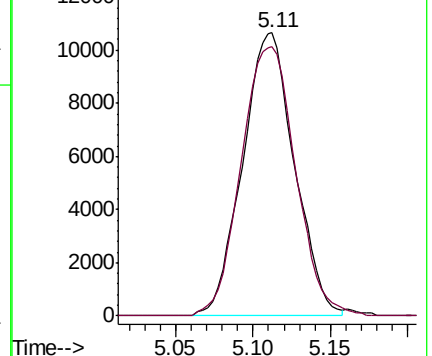
117 100

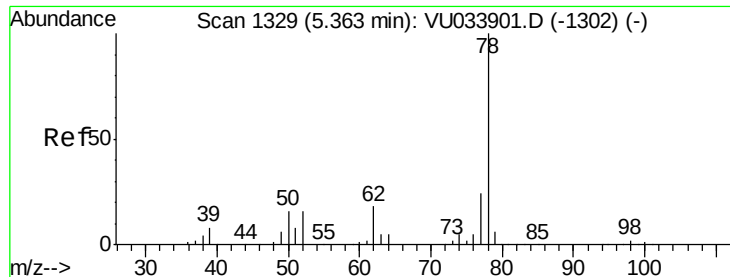
119 99.9 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): VU033899.D (-1231) (-)

Ion 119.00 (118.70 to 119.70): VU033899.D (-1231) (-)





#33

Benzene

Concen: 4.075 ug/L

RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU033899.D

Acq: 22 Aug 2019 14:50

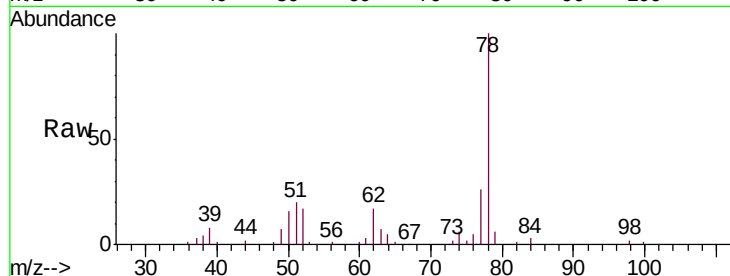
Instrument :

MSVOA_U

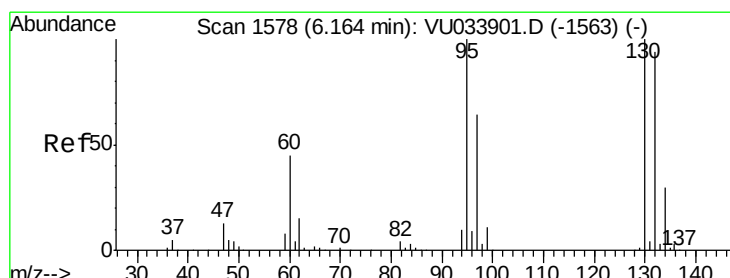
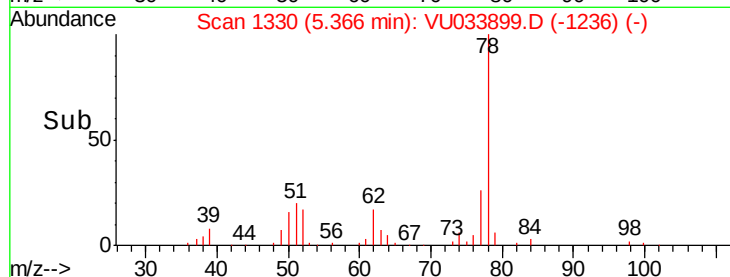
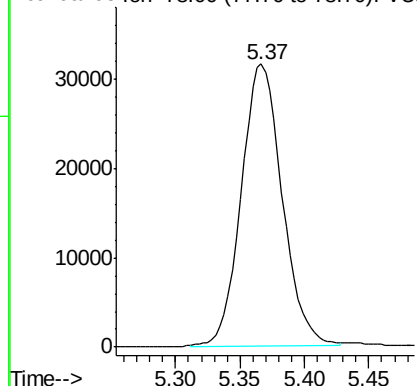
ClientSampled :

VSTD00535

Tgt Ion: 78 Resp: 69927



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 4.263 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033899.D

Acq: 22 Aug 2019 14:50

Tgt Ion: 95 Resp: 19354

Ion	Ratio	Lower	Upper
95	100		
97	64.7	44.7	82.9
132	99.6	65.7	122.1
130	106.6	70.0	130.0

95 100

97 64.7 44.7 82.9

132 99.6 65.7 122.1

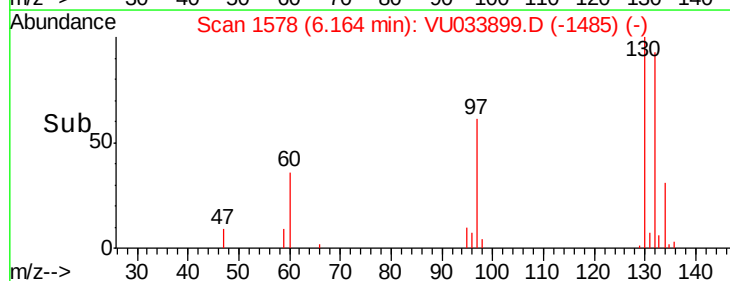
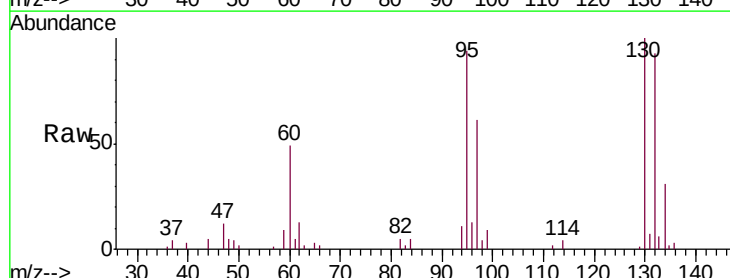
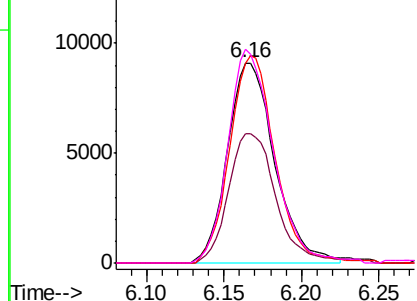
130 106.6 70.0 130.0

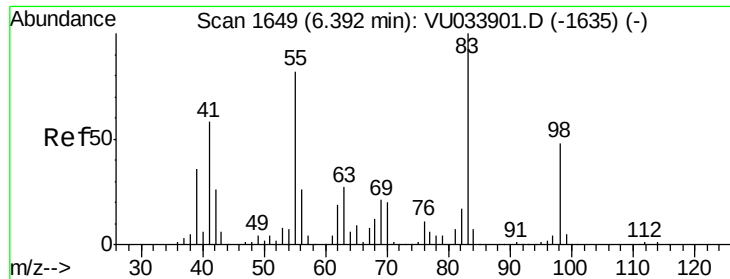
Abundance Ion 95.00 (94.70 to 95.70): VU0

15000 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

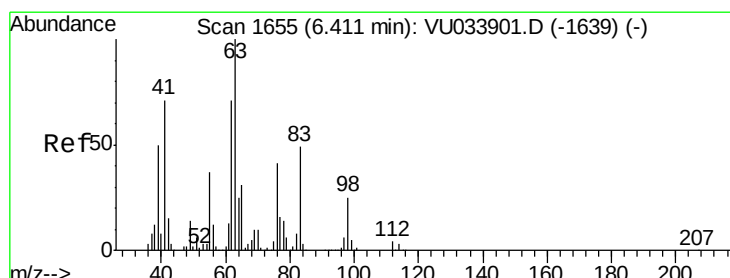
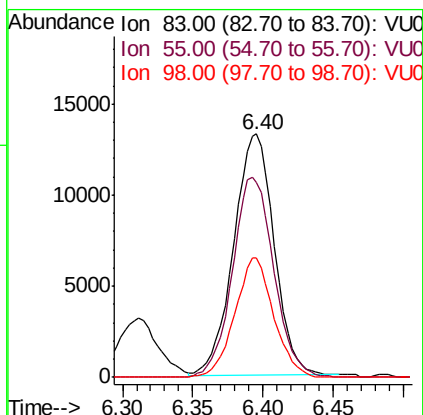
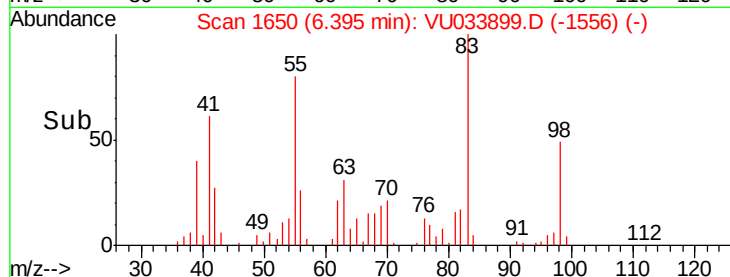
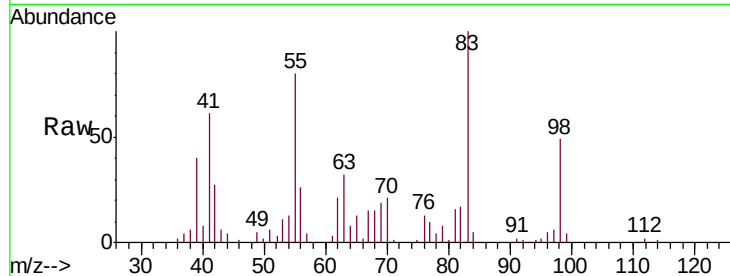




#35
Methylcyclohexane
Concen: 3.965 ug/L
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU033899.D
Acq: 22 Aug 2019 14:50

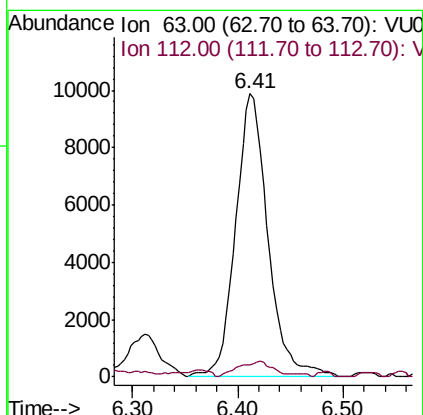
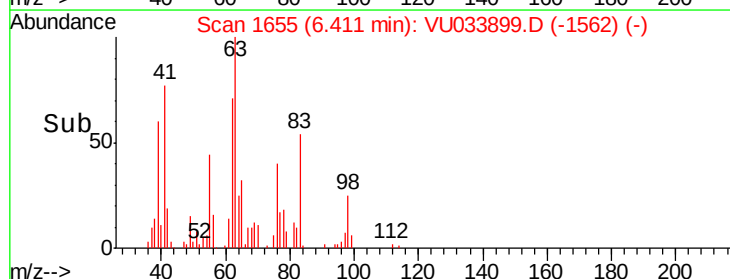
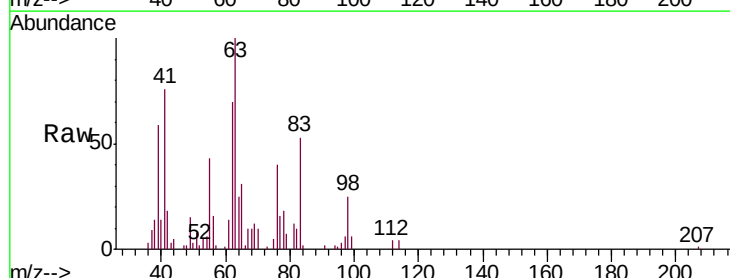
Instrument :
MSVOA_U
ClientSampleId :
VSTD00535

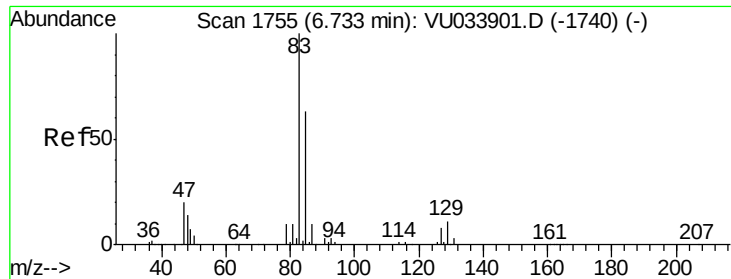
Tgt Ion: 83 Resp: 26637
Ion Ratio Lower Upper
83 100
55 84.6 64.4 96.6
98 47.3 38.7 58.1



#37
1,2-Dichloropropane
Concen: 4.495 ug/L
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VU033899.D
Acq: 22 Aug 2019 14:50

Tgt Ion: 63 Resp: 21082
Ion Ratio Lower Upper
63 100
112 2.5 3.5 5.3#





#38

Bromodichloromethane

Concen: 4.394 ug/L

RT: 6.74 min Scan# 1757

Delta R.T. 0.01 min

Lab File: VU033899.D

Acq: 22 Aug 2019 14:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00535

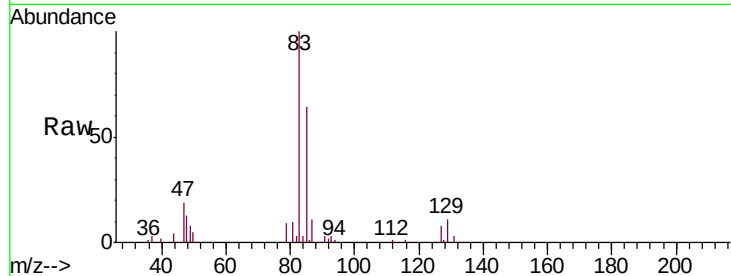
Tgt Ion: 83 Resp: 26697

Ion Ratio Lower Upper

83 100

85 64.0 44.0 81.8

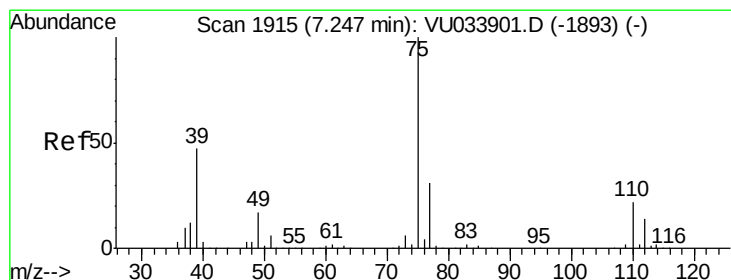
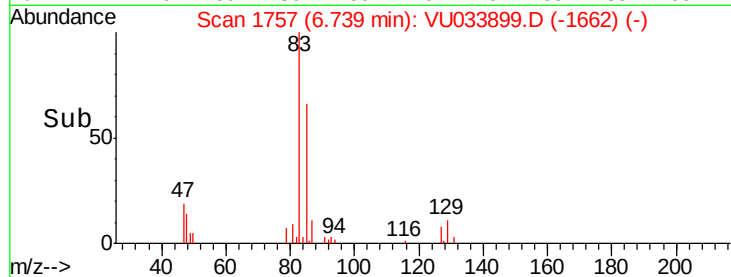
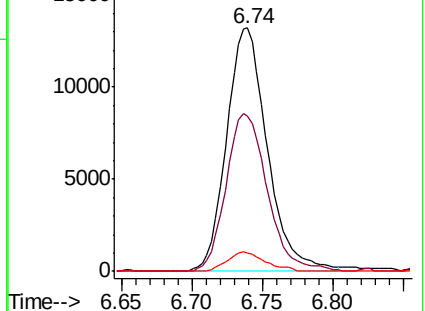
127 7.8 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VU033899.D (-1662) (-)

Ion 85.00 (84.70 to 85.70): VU033899.D (-1662) (-)

Ion 127.00 (126.70 to 127.70): VU033899.D (-1662) (-)



#39

cis-1,3-Dichloropropene

Concen: 3.927 ug/L

RT: 7.25 min Scan# 1917

Delta R.T. 0.01 min

Lab File: VU033899.D

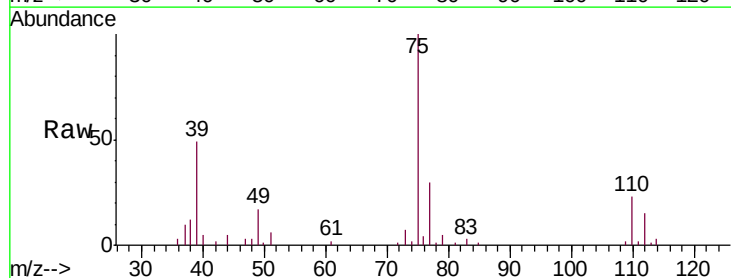
Acq: 22 Aug 2019 14:50

Tgt Ion: 75 Resp: 26990

Ion Ratio Lower Upper

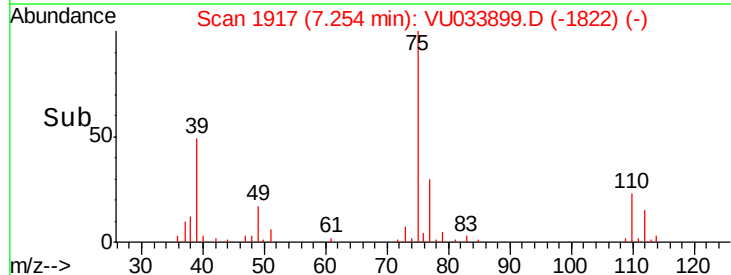
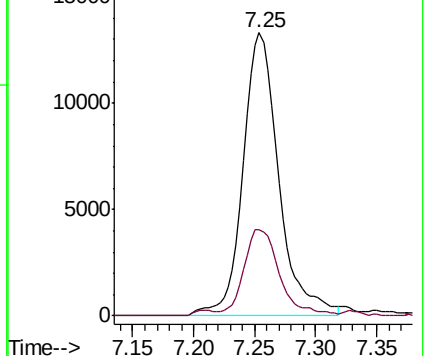
75 100

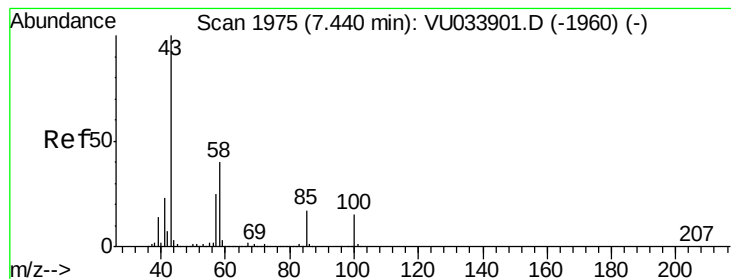
77 30.4 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VU033899.D (-1822) (-)

Ion 77.00 (76.70 to 77.70): VU033899.D (-1822) (-)

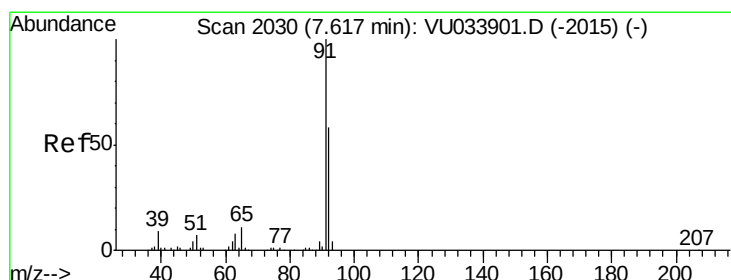
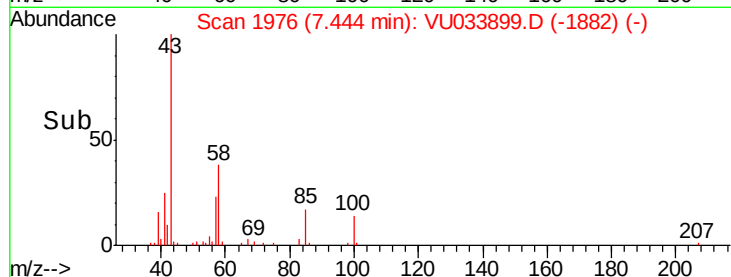
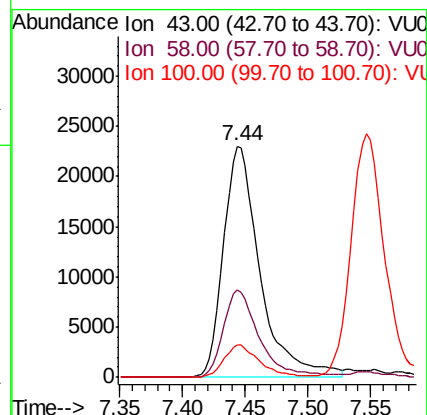
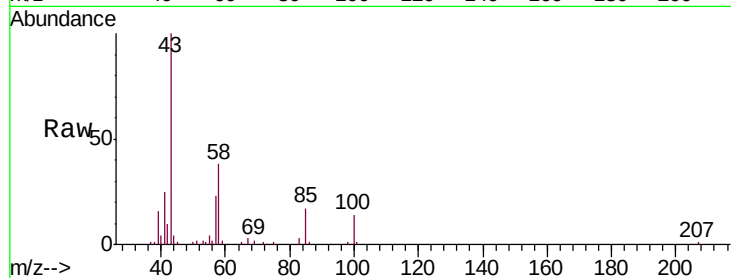




#40
 4-Methyl-2-pentanone
 Concen: 8.165 ug/L
 RT: 7.44 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VU033899.D
 Acq: 22 Aug 2019 14:50

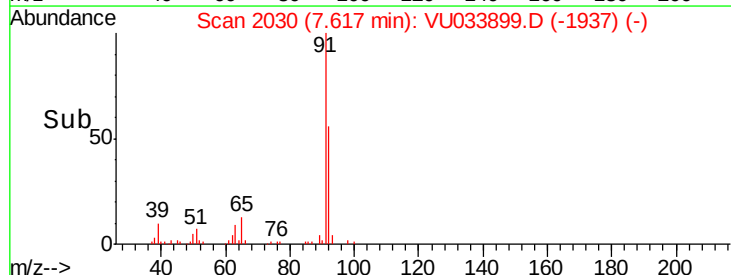
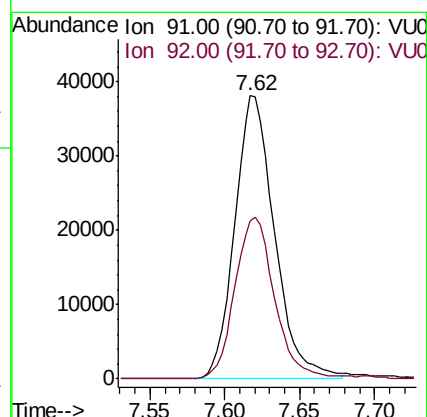
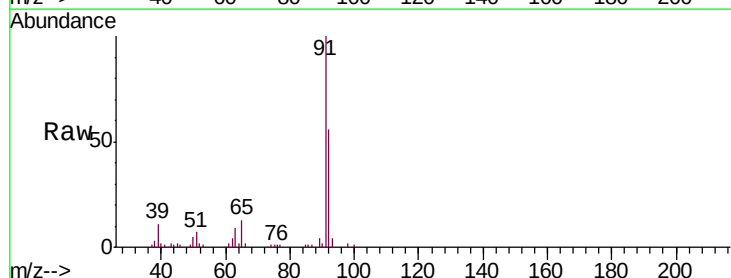
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00535

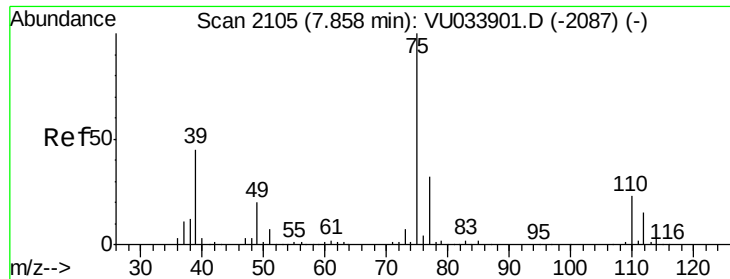
Tgt Ion: 43 Resp: 46798
 Ion Ratio Lower Upper
 43 100
 58 36.1 31.6 47.4
 100 13.4 12.0 18.0



#42
 Toluene
 Concen: 3.917 ug/L
 RT: 7.62 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: VU033899.D
 Acq: 22 Aug 2019 14:50

Tgt Ion: 91 Resp: 70611
 Ion Ratio Lower Upper
 91 100
 92 56.0 40.3 74.9

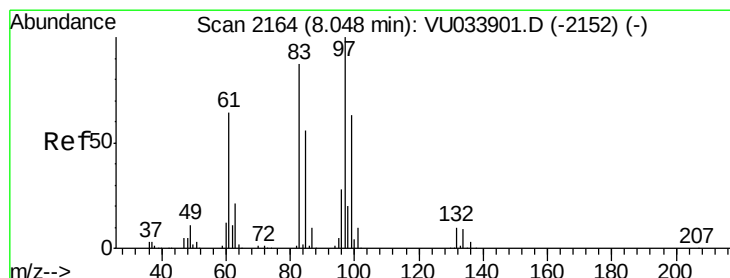
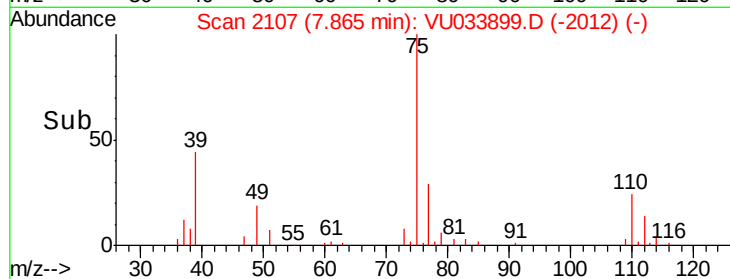
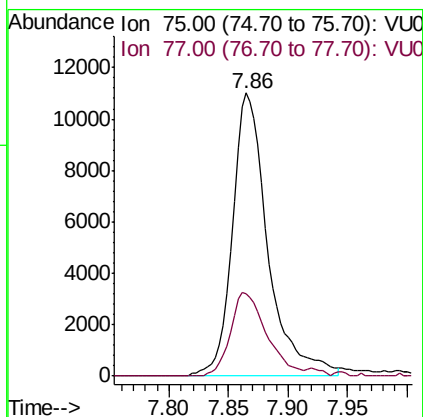
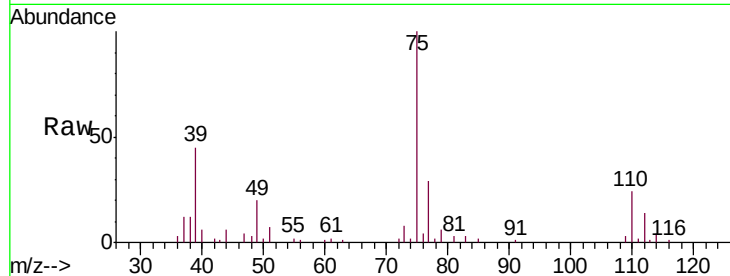




#44
 trans-1,3-Dichloropropene
 Concen: 3.615 ug/L
 RT: 7.86 min Scan# 2107
 Delta R.T. 0.01 min
 Lab File: VU033899.D
 Acq: 22 Aug 2019 14:50

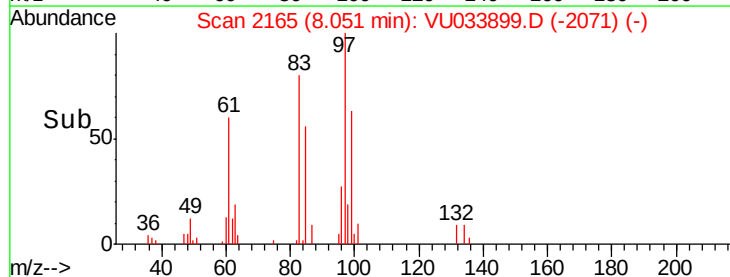
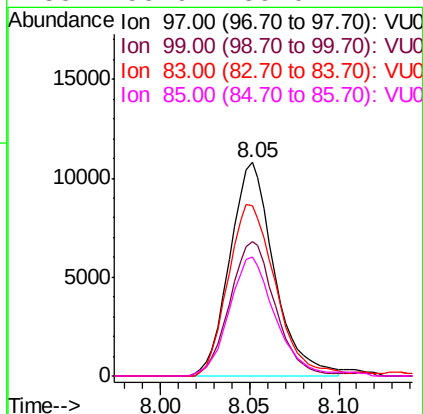
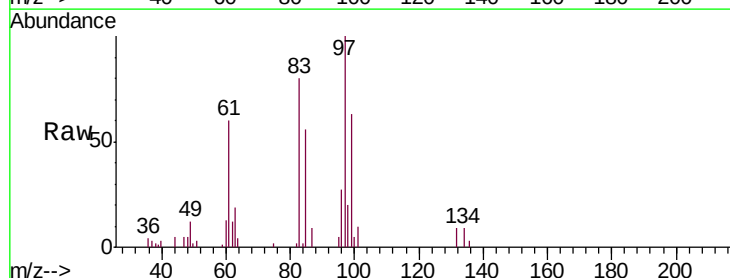
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00535

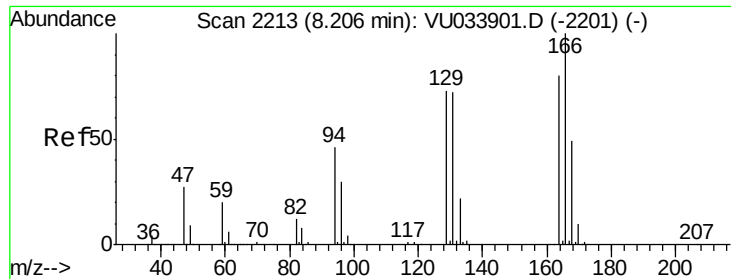
Tgt Ion: 75 Resp: 22766
 Ion Ratio Lower Upper
 75 100
 77 29.2 22.3 41.3



#45
 1,1,2-Trichloroethane
 Concen: 4.248 ug/L
 RT: 8.05 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VU033899.D
 Acq: 22 Aug 2019 14:50

Tgt Ion: 97 Resp: 18679
 Ion Ratio Lower Upper
 97 100
 99 63.2 44.2 82.2
 83 79.6 61.2 113.6
 85 55.9 39.0 72.4

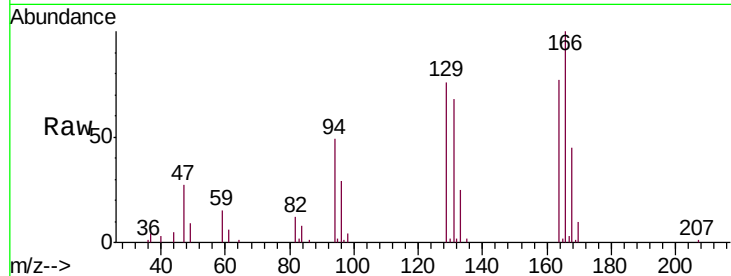




#46
Tetrachloroethene
Concen: 4.188 ug/L
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU033899.D
Acq: 22 Aug 2019 14:50

Instrument :
MSVOA_U
ClientSampleId :
VSTD00535

Tgt Ion:	164	Resp:	15201
Ion	Ratio	Lower	Upper
164	100		
129	97.5	63.9	118.7
131	88.4	62.5	116.1
166	129.1	87.3	162.1



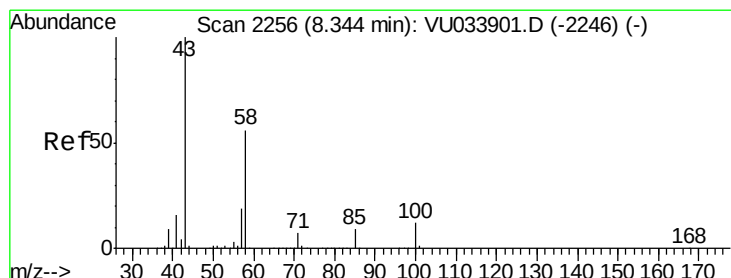
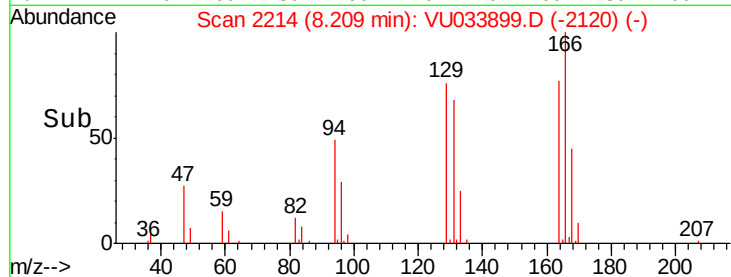
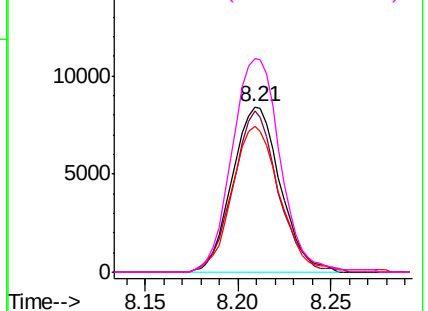
Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

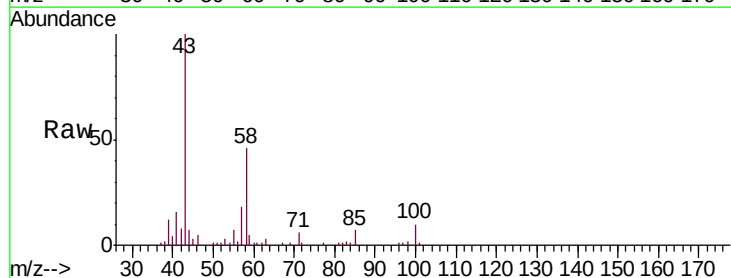
Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48
2-Hexanone
Concen: 7.919 ug/L
RT: 8.35 min Scan# 2258
Delta R.T. 0.01 min
Lab File: VU033899.D
Acq: 22 Aug 2019 14:50

Tgt Ion:	43	Resp:	35445
Ion	Ratio	Lower	Upper
43	100		
58	48.6	44.3	66.5
57	14.2	15.3	22.9
100	10.0	9.4	14.2



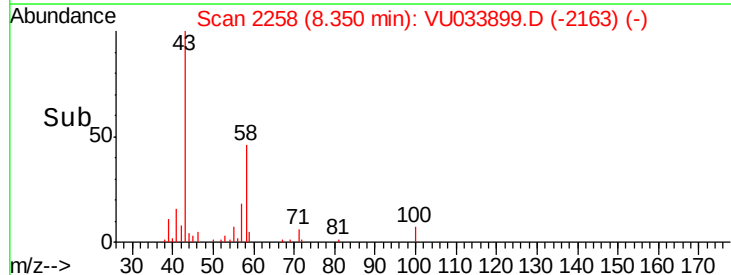
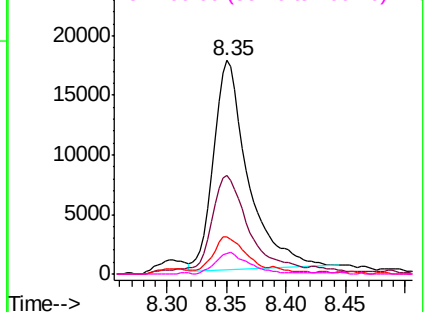
Abundance

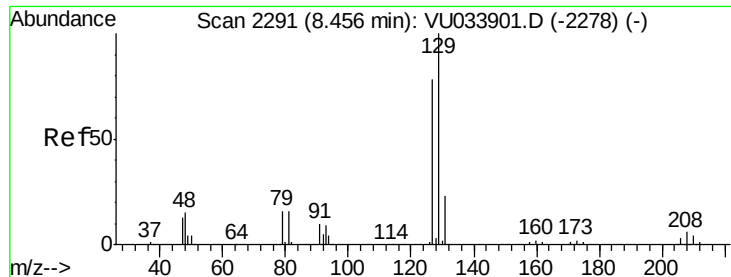
Ion 43.00 (42.70 to 43.70): VU0

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

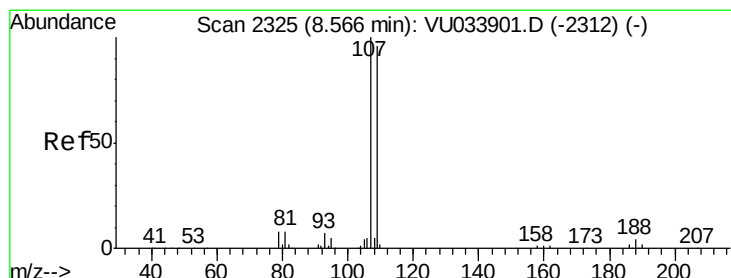
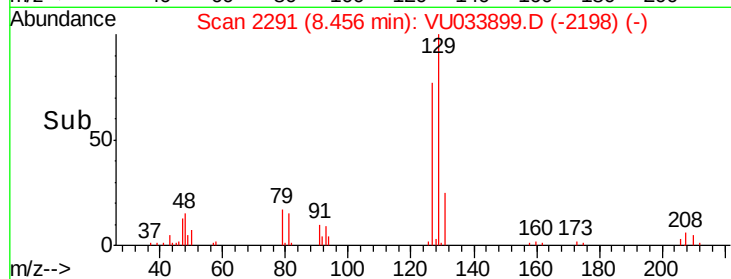
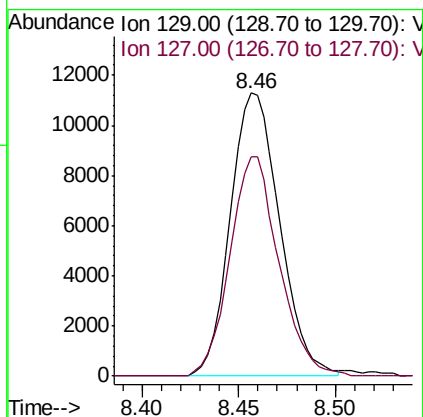
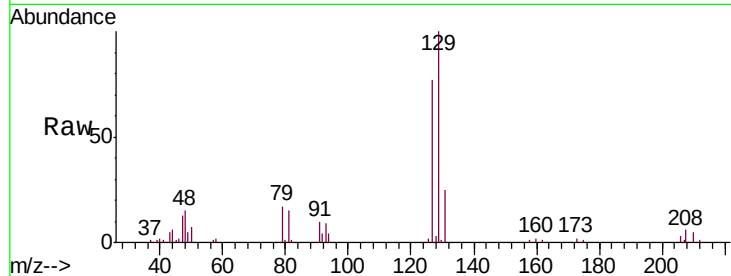




#49
 Dibromochloromethane
 Concen: 4.072 ug/L
 RT: 8.46 min Scan# 2291
 Delta R.T. 0.00 min
 Lab File: VU033899.D
 Acq: 22 Aug 2019 14:50

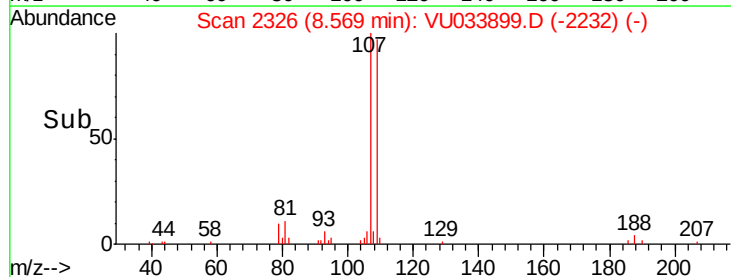
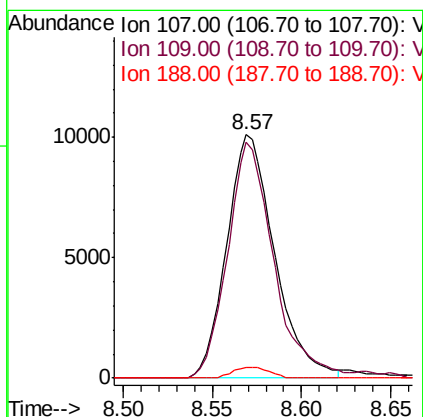
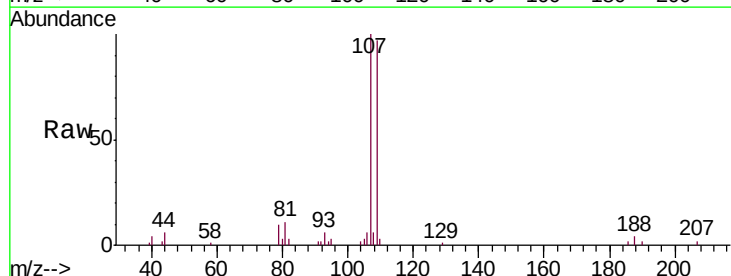
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00535

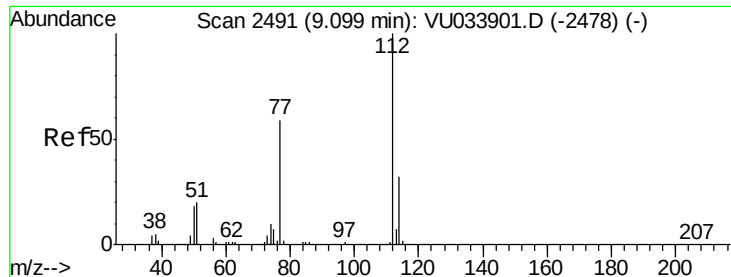
Tgt Ion:129 Resp: 20059
 Ion Ratio Lower Upper
 129 100
 127 77.5 54.5 101.3



#50
 1,2-Dibromoethane
 Concen: 4.044 ug/L
 RT: 8.57 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU033899.D
 Acq: 22 Aug 2019 14:50

Tgt Ion:107 Resp: 18841
 Ion Ratio Lower Upper
 107 100
 109 96.7 66.9 124.3
 188 4.3 3.0 4.4

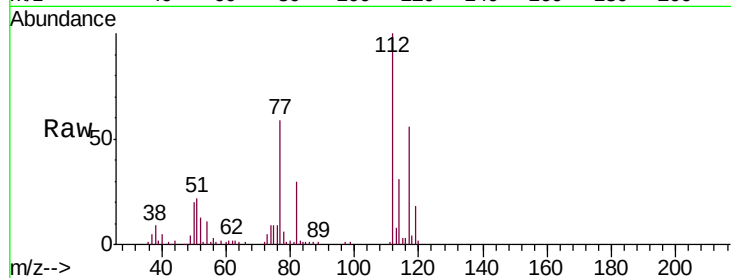




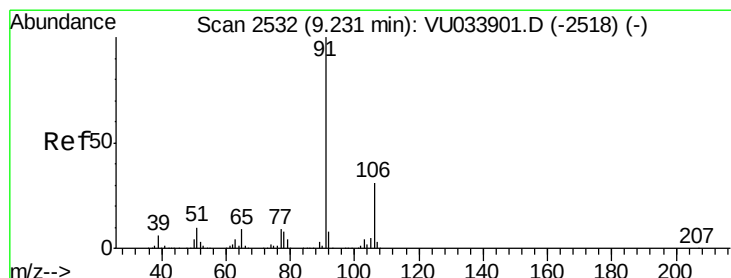
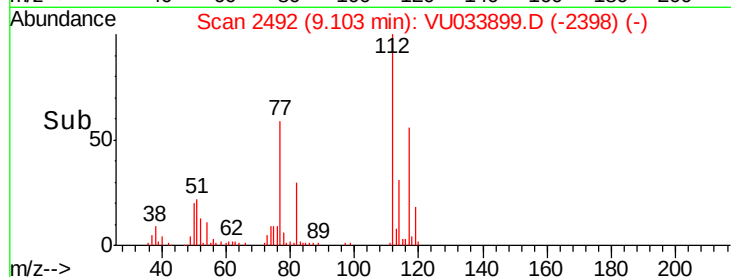
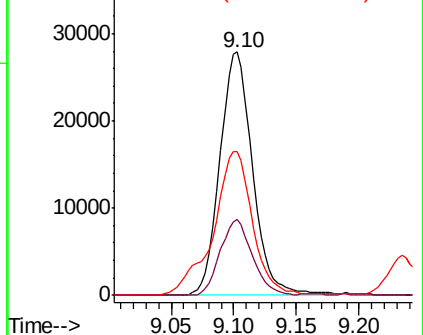
#51
Chlorobenzene
Concen: 4.257 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. 0.00 min
Lab File: VU033899.D
Acq: 22 Aug 2019 14:50

Instrument :
MSVOA_U
ClientSampleId :
VSTD00535

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.3	22.5	41.7
77	58.9	47.3	70.9

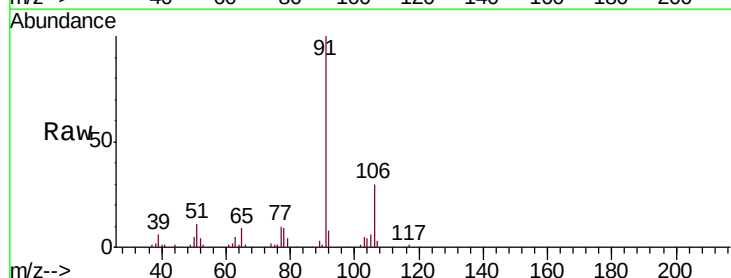


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

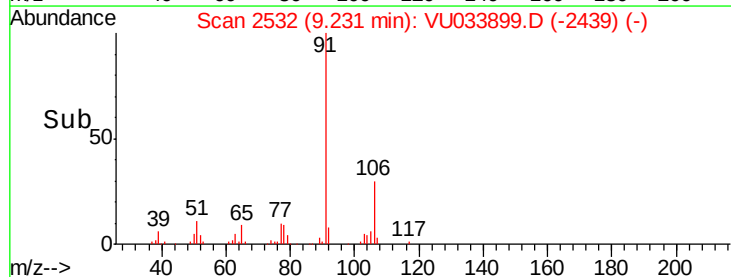
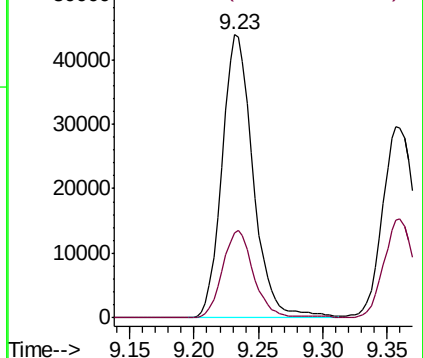


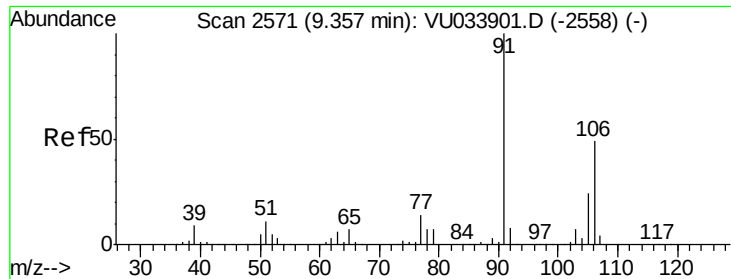
#52
Ethylbenzene
Concen: 3.834 ug/L
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU033899.D
Acq: 22 Aug 2019 14:50

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.1	21.4	39.8



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 3.635 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. 0.00 min

Lab File: VU033899.D

Acq: 22 Aug 2019 14:50

Instrument :

MSVOA_U

ClientSampleId :

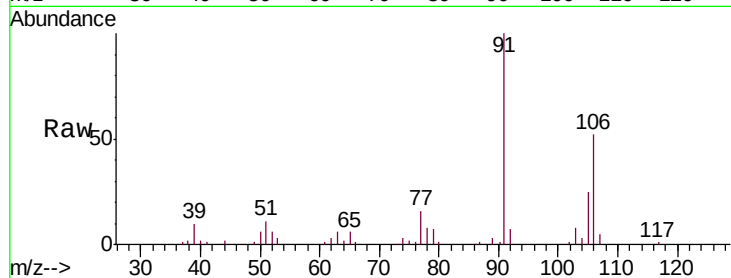
VSTD00535

Tgt Ion:106 Resp: 25998

Ion Ratio Lower Upper

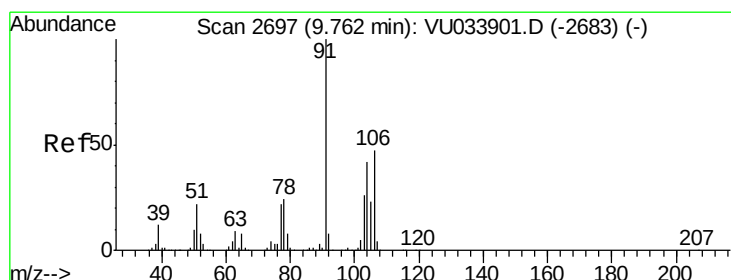
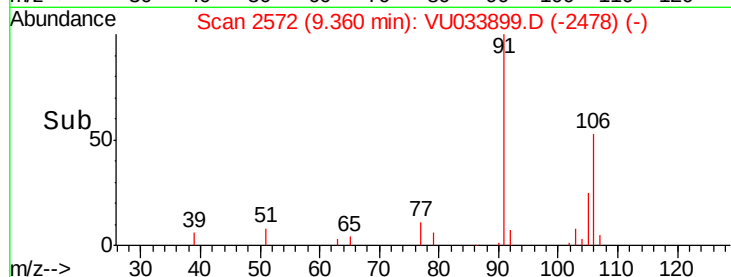
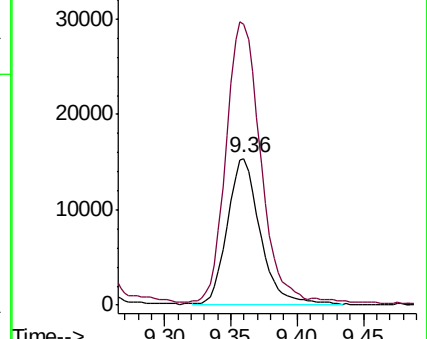
106 100

91 191.8 142.2 264.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 3.560 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. 0.00 min

Lab File: VU033899.D

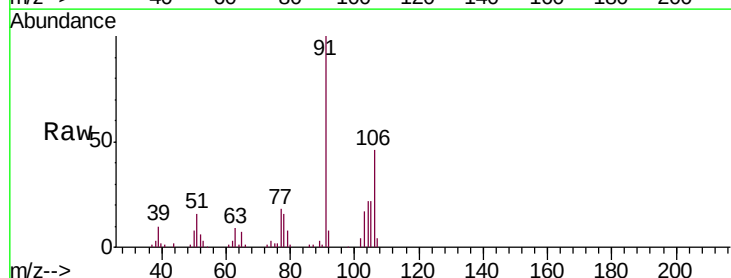
Acq: 22 Aug 2019 14:50

Tgt Ion:106 Resp: 24726

Ion Ratio Lower Upper

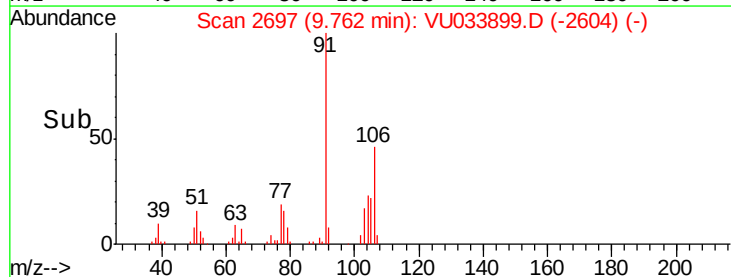
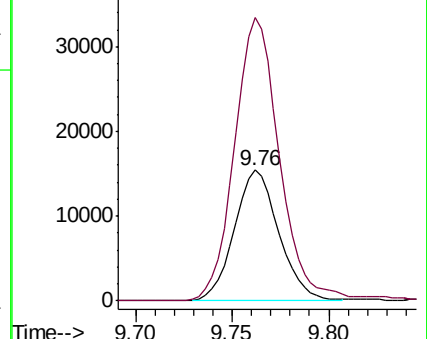
106 100

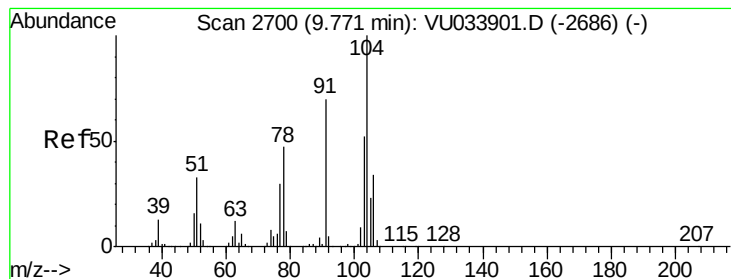
91 216.8 148.6 276.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#55

Styrene

Concen: 3.212 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.01 min

Lab File: VU033899.D

Acq: 22 Aug 2019 14:50

Instrument :

MSVOA_U

ClientSampleId :

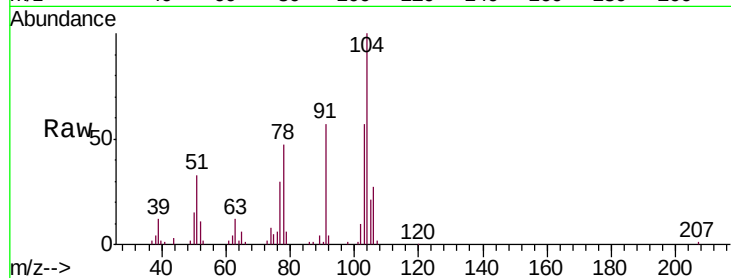
VSTD00535

Tgt Ion:104 Resp: 38164

Ion Ratio Lower Upper

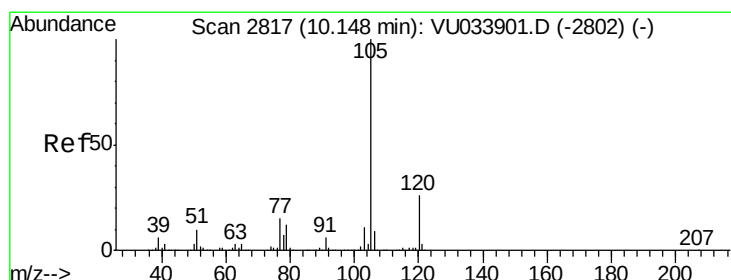
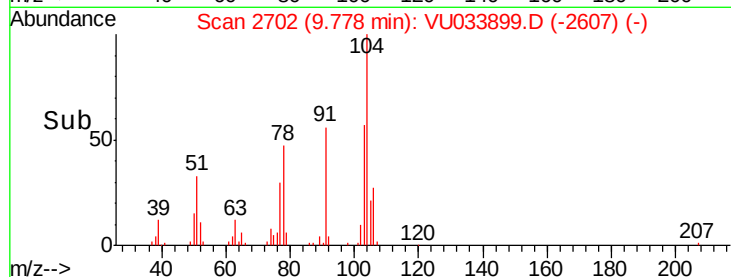
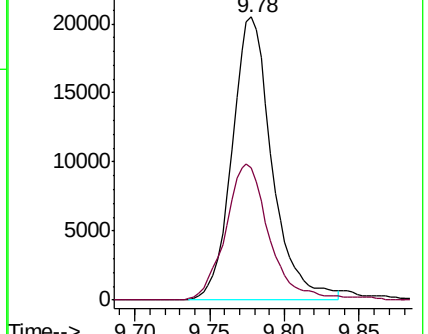
104 100

78 46.7 32.8 61.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0



#56

Isopropylbenzene

Concen: 3.530 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. 0.00 min

Lab File: VU033899.D

Acq: 22 Aug 2019 14:50

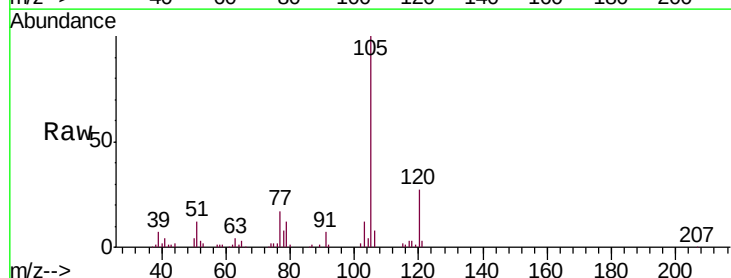
Tgt Ion:105 Resp: 64058

Ion Ratio Lower Upper

105 100

120 26.4 21.2 31.8

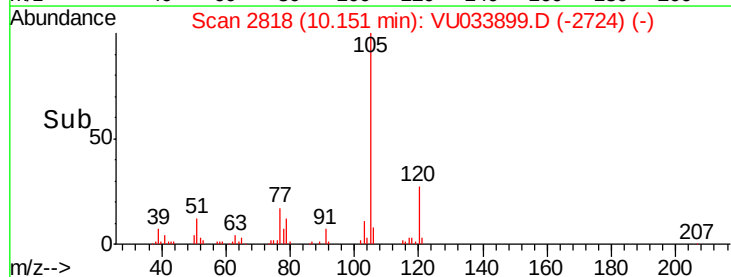
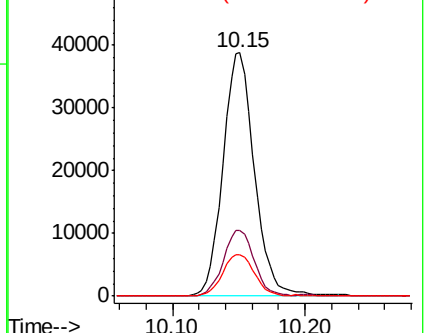
77 17.4 12.6 18.8

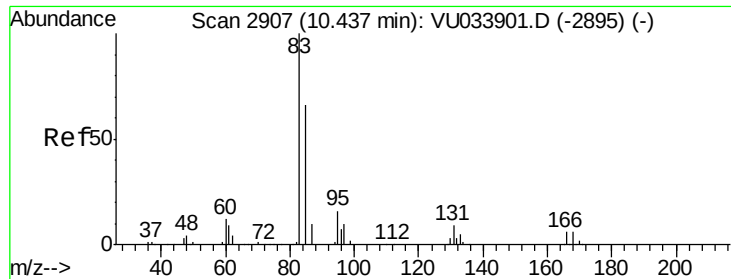


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0





#58

1,1,2,2-Tetrachloroethane

Concen: 4.287 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033899.D

Acq: 22 Aug 2019 14:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00535

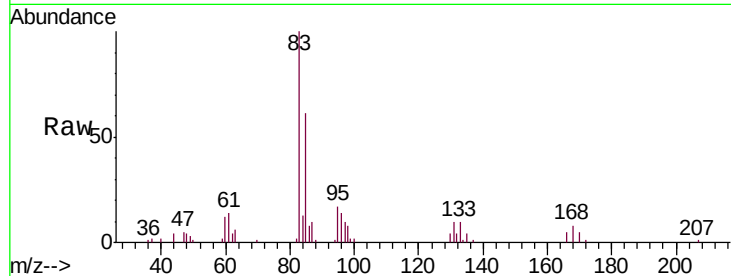
Tgt Ion: 83 Resp: 30778

Ion Ratio Lower Upper

83 100

85 61.0 46.3 85.9

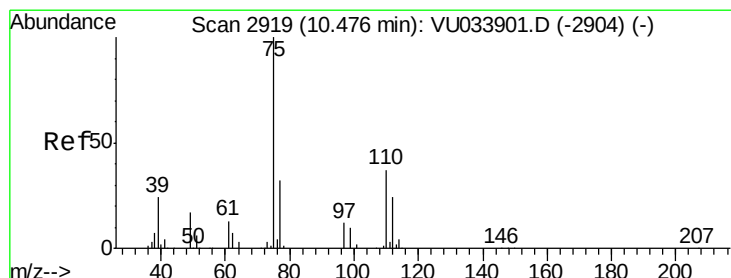
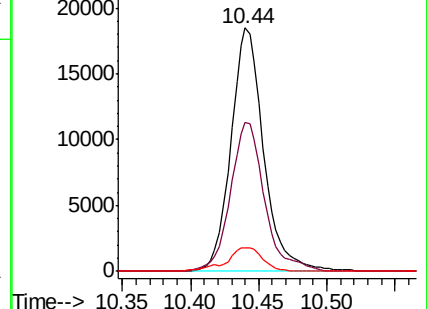
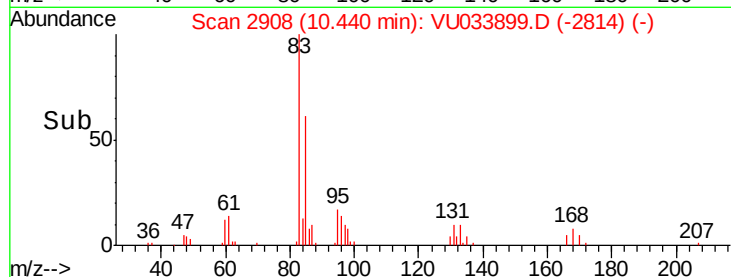
131 9.7 7.9 11.9



Abundance Ion 83.00 (82.70 to 83.70): VU033899.D (-2814) (-)

Ion 85.00 (84.70 to 85.70): VU033899.D (-2814) (-)

Ion 131.00 (130.70 to 131.70): VU033899.D (-2814) (-)



#59

1,2,3-Trichloropropane

Concen: 4.566 ug/L

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU033899.D

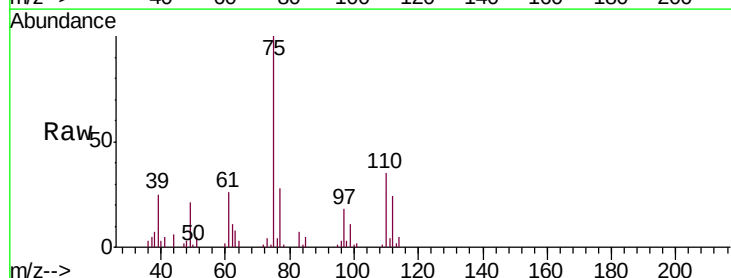
Acq: 22 Aug 2019 14:50

Tgt Ion: 75 Resp: 26162

Ion Ratio Lower Upper

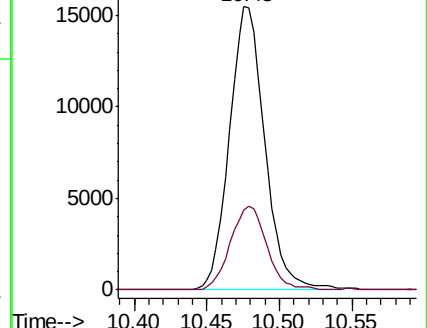
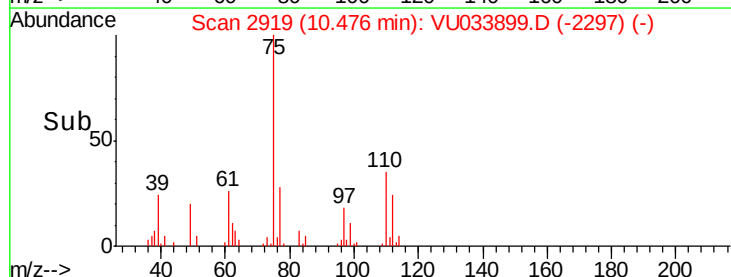
75 100

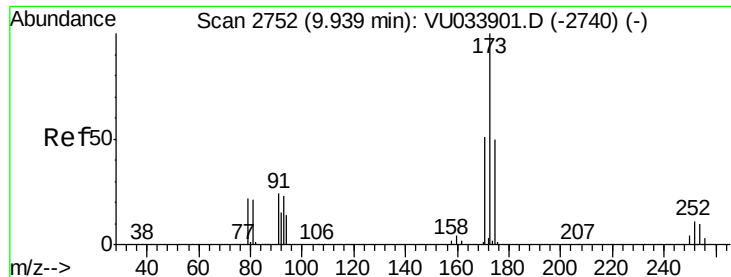
77 30.2 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VU033899.D (-2297) (-)

Ion 77.00 (76.70 to 77.70): VU033899.D (-2297) (-)





#61

Bromoform

Concen: 4.491 ug/L

RT: 9.94 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VU033899.D

Acq: 22 Aug 2019 14:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00535

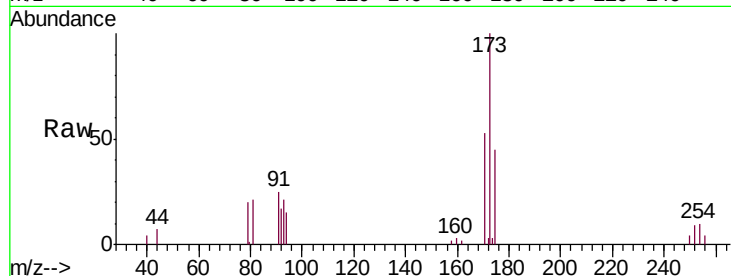
Tgt Ion:173 Resp: 14741

Ion Ratio Lower Upper

173 100

175 46.4 39.4 59.2

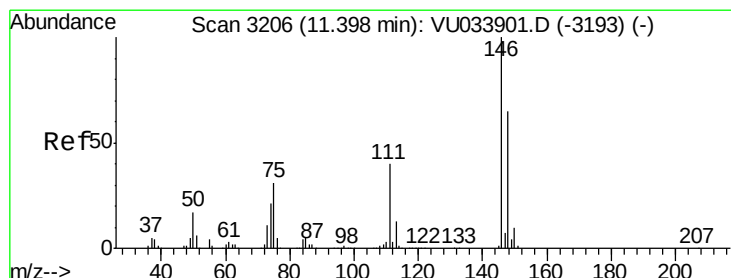
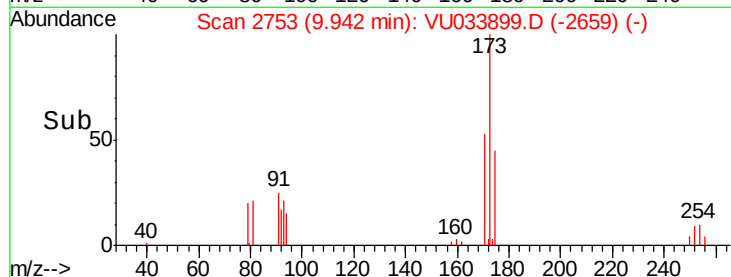
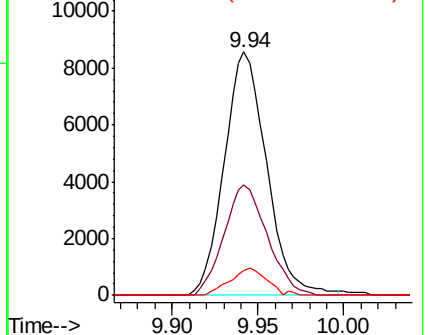
254 9.4 8.5 12.7



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 4.282 ug/L

RT: 11.40 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU033899.D

Acq: 22 Aug 2019 14:50

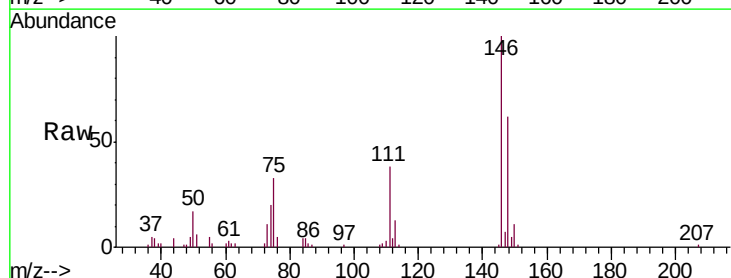
Tgt Ion:146 Resp: 35285

Ion Ratio Lower Upper

146 100

111 38.1 27.8 51.6

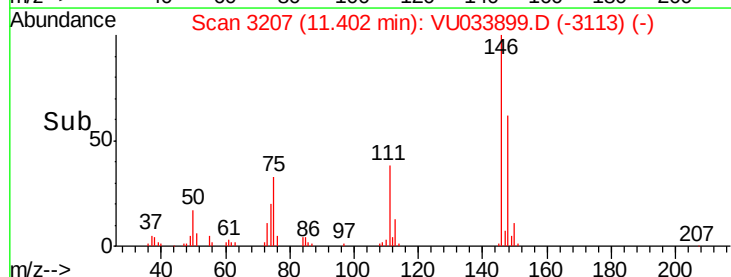
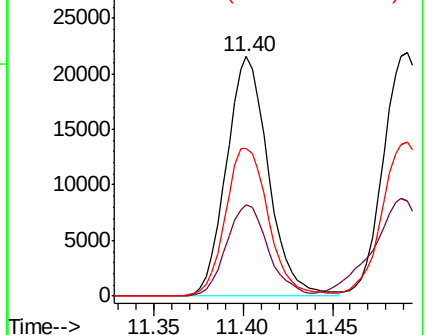
148 61.9 45.1 83.9

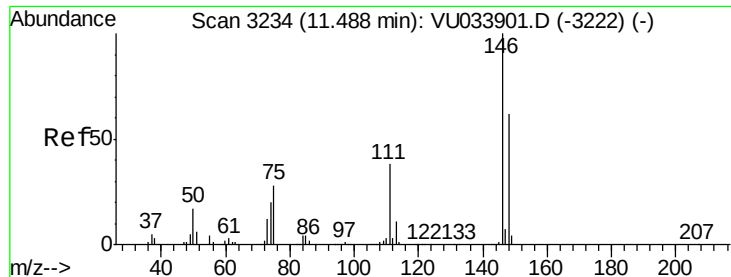


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

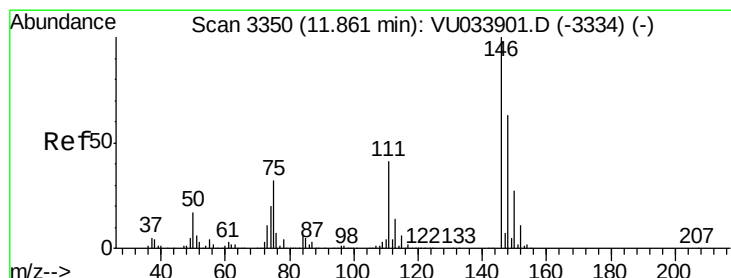
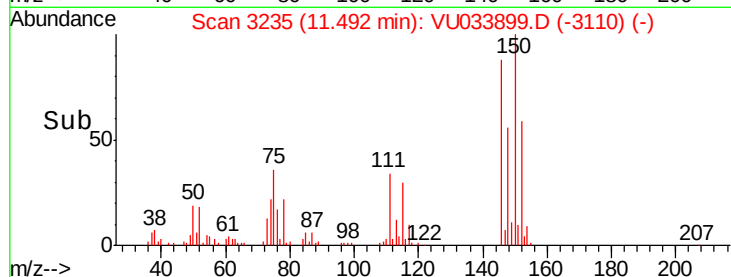
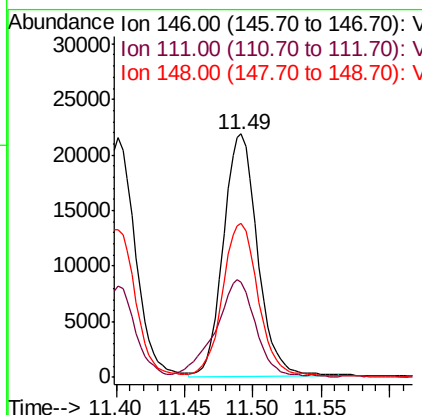
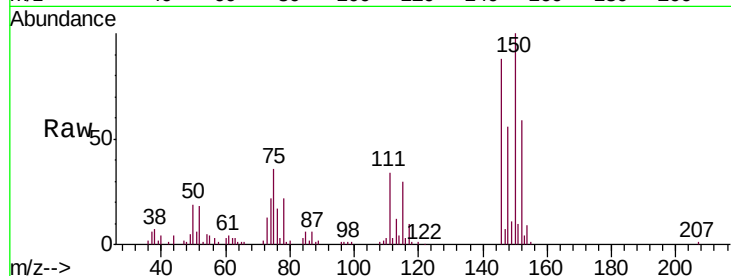




#63
 1,4-Dichlorobenzene
 Concen: 4.468 ug/L
 RT: 11.49 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU033899.D
 Acq: 22 Aug 2019 14:50

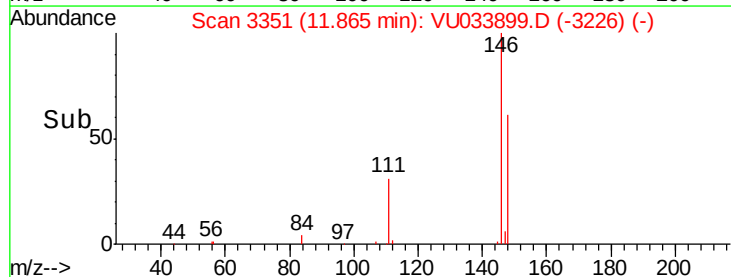
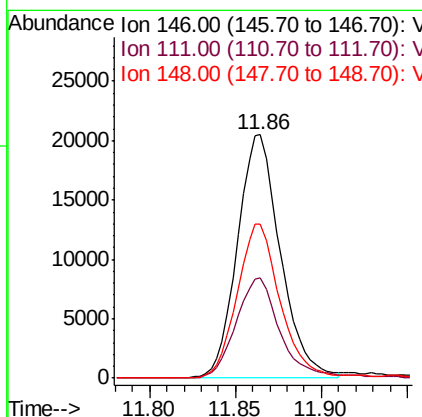
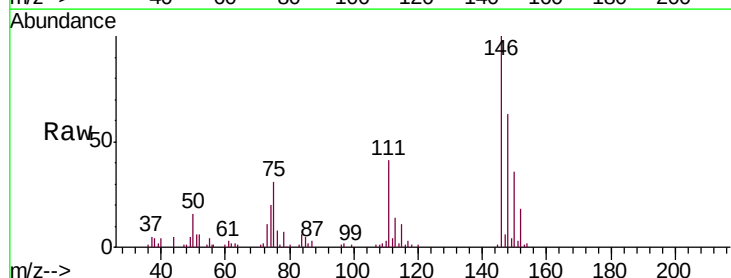
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00535

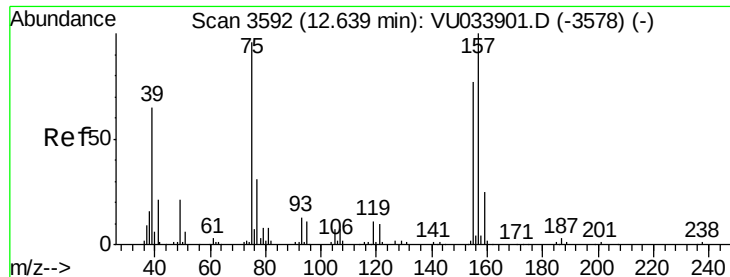
Tgt Ion:146 Resp: 38109
 Ion Ratio Lower Upper
 146 100
 111 38.9 26.7 49.5
 148 63.4 43.5 80.9



#65
 1,2-Dichlorobenzene
 Concen: 4.318 ug/L
 RT: 11.86 min Scan# 3351
 Delta R.T. 0.00 min
 Lab File: VU033899.D
 Acq: 22 Aug 2019 14:50

Tgt Ion:146 Resp: 35622
 Ion Ratio Lower Upper
 146 100
 111 41.3 33.1 49.7
 148 63.1 50.8 76.2

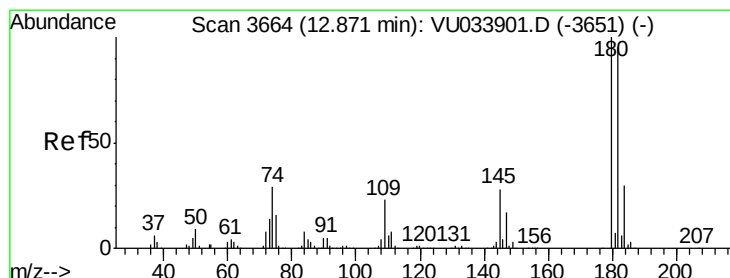
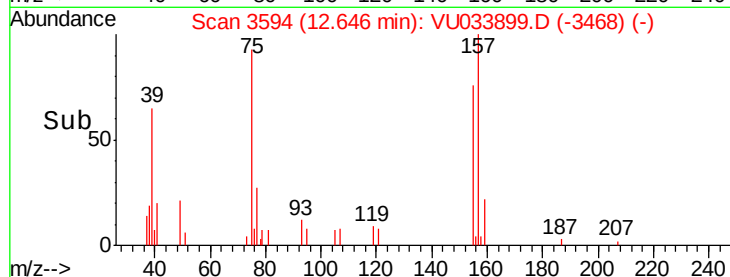
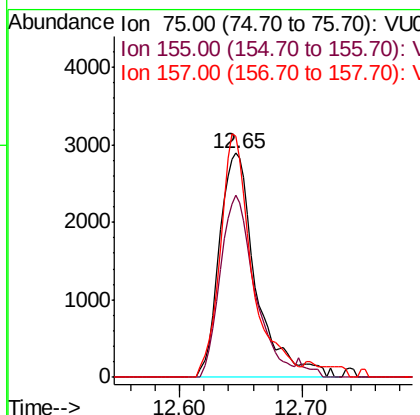
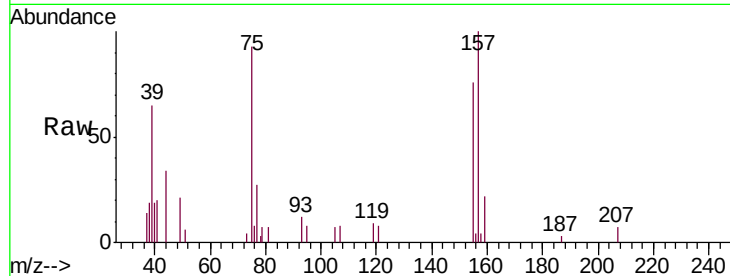




#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.315 ug/L
 RT: 12.65 min Scan# 3594
 Delta R.T. 0.01 min
 Lab File: VU033899.D
 Acq: 22 Aug 2019 14:50

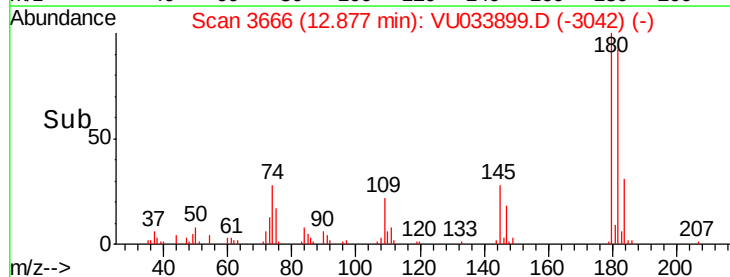
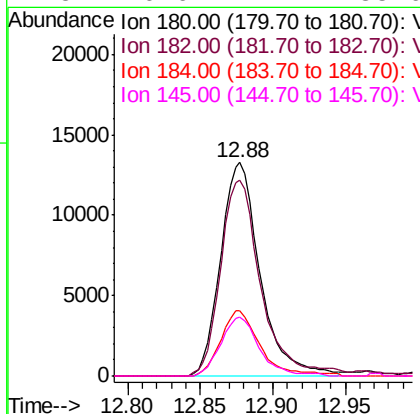
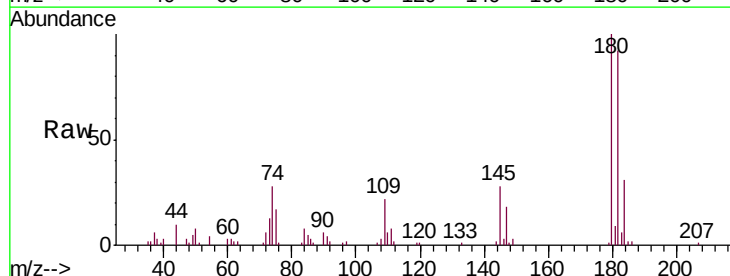
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00535

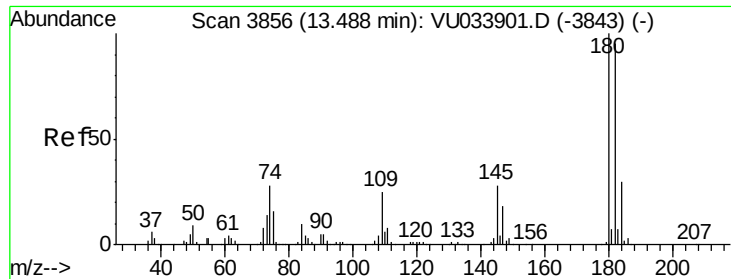
Tgt Ion: 75 Resp: 6080
 Ion Ratio Lower Upper
 75 100
 155 81.0 64.3 96.5
 157 107.3 83.4 125.2



#67
 1,3,5-Trichlorobenzene
 Concen: 3.945 ug/L
 RT: 12.88 min Scan# 3666
 Delta R.T. 0.01 min
 Lab File: VU033899.D
 Acq: 22 Aug 2019 14:50

Tgt Ion: 180 Resp: 25022
 Ion Ratio Lower Upper
 180 100
 182 92.4 76.4 114.6
 184 29.5 24.1 36.1
 145 26.6 22.4 33.6





#68

1,2,4-trichlorobenzene

Concen: 2.803 ug/L

RT: 13.49 min Scan# 3858

Delta R.T. 0.01 min

Lab File: VU033899.D

Acq: 22 Aug 2019 14:50

Instrument :

MSVOA_U

ClientSampleId :

VSTD00535

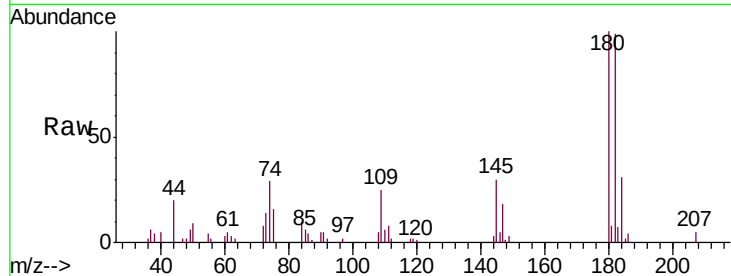
Tgt Ion:180 Resp: 14605

Ion Ratio Lower Upper

180 100

182 99.5 76.8 115.2

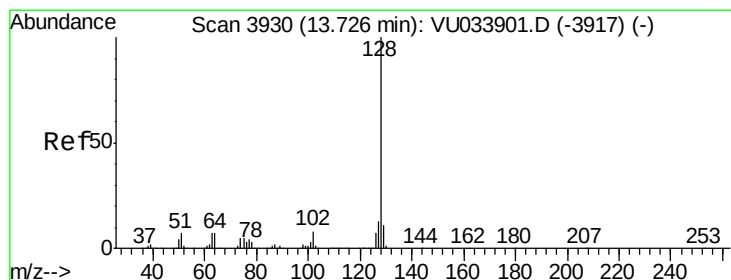
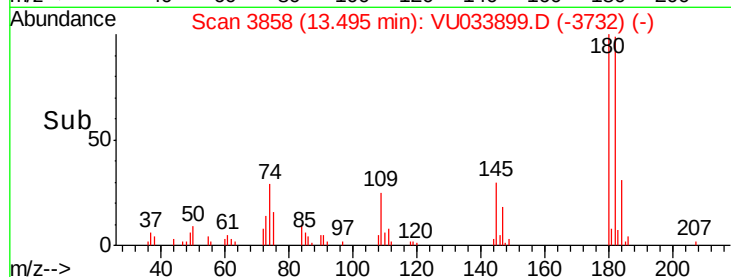
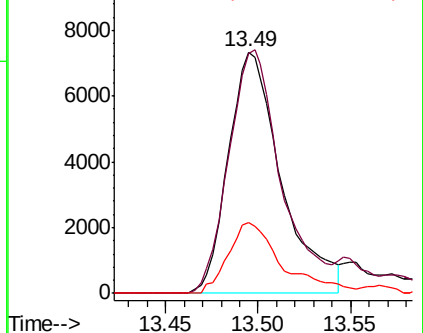
145 24.4 22.8 34.2



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: 2.503 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. 0.01 min

Lab File: VU033899.D

Acq: 22 Aug 2019 14:50

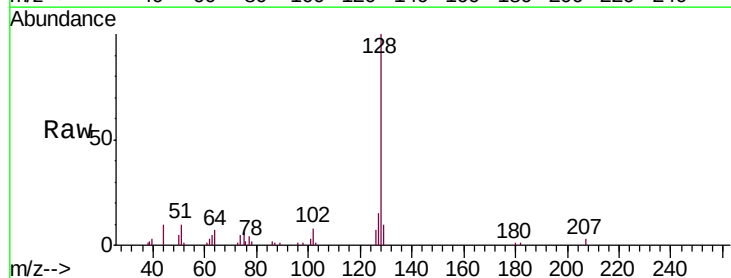
Tgt Ion:128 Resp: 36619

Ion Ratio Lower Upper

128 100

127 10.4 10.1 15.1

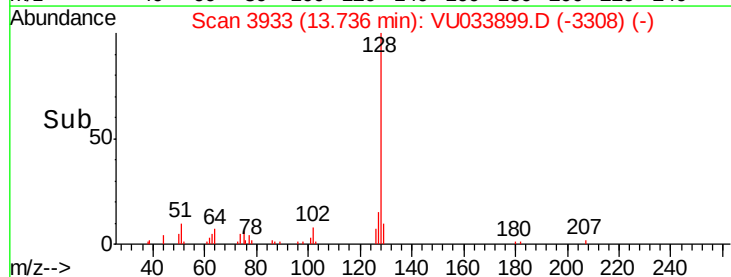
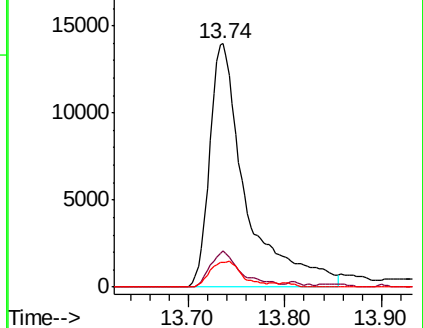
129 9.2 8.3 12.5

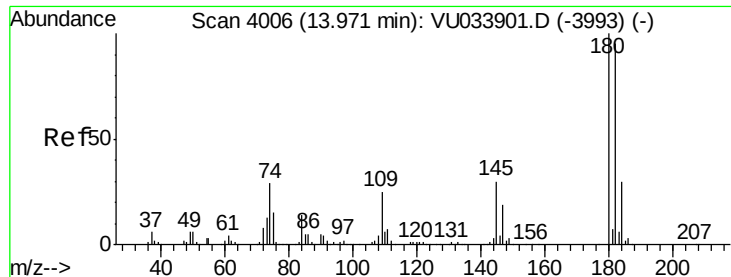


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 3.147 ug/L
 RT: 13.98 min Scan# 4008
 Delta R.T. 0.01 min
 Lab File: VU033899.D
 Acq: 22 Aug 2019 14:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00535

Tgt Ion	Resp	Lower	Upper
180	16998		
182	99.8	76.7	115.1
145	29.3	23.9	35.9

