

Data File : VU033689.D
Acq On : 09 Aug 2019 17:26
Operator : JC/SP
Sample : VSTD00532
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

Quant Time: Aug 10 03:52:21 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	412398	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	393950	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	207498	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	15231	3.53	ug/L	0.00
7) Chloroethane-d5	1.67	69	11517	3.11	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	25426	3.63	ug/L	0.00
21) 2-Butanone-d5	4.17	46	15402	4.98	ug/L	0.00
24) Chloroform-d	4.62	84	21603	3.05	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	14548	3.22	ug/L	0.00
32) Benzene-d6	5.32	84	45386	3.37	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	14253	3.33	ug/L	0.00
41) Toluene-d8	7.55	98	43273	3.47	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	6751	3.22	ug/L	0.00
47) 2-Hexanone-d5	8.30	63	11922	5.53	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	21439	3.21	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	18102	3.46	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	15217	4.211 ug/L	99
3) Chloromethane	1.32	50	15740	4.008 ug/L	96
5) Vinyl chloride	1.39	62	17643	4.155 ug/L	97
6) Bromomethane	1.62	94	11861	4.101 ug/L	92
8) Chloroethane	1.69	64	10959	4.016 ug/L	96
9) Trichlorofluoromethane	1.87	101	23831	4.221 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	12442	4.268 ug/L	99
12) 1,1-Dichloroethene	2.27	96	12414	4.434 ug/L	97
13) Acetone	2.31	43	22288	10.107 ug/L	99
14) Carbon disulfide	2.46	76	34525	4.161 ug/L	100
15) Methyl Acetate	2.60	43	16078	4.472 ug/L	97
16) Methylene chloride	2.68	84	14218	4.273 ug/L	99
17) trans-1,2-Dichloroethene	2.96	96	13332	4.555 ug/L	96
18) Methyl tert-butyl Ether	2.98	73	42229	4.566 ug/L	99
19) 1,1-Dichloroethane	3.42	63	25183	4.437 ug/L	97
20) cis-1,2-Dichloroethene	4.20	96	14398	4.358 ug/L	99
22) 2-Butanone	4.25	43	20049	7.208 ug/L	96
23) Bromochloromethane	4.53	128	7419	4.242 ug/L	97
25) Chloroform	4.65	83	26605	4.488 ug/L	96
27) 1,2-Dichloroethane	5.39	62	19668	4.268 ug/L	98
29) Cyclohexane	4.97	56	20804	4.728 ug/L	97
30) 1,1,1-Trichloroethane	4.89	97	21704	4.561 ug/L	99
31) Carbon tetrachloride	5.11	117	19450	4.634 ug/L	96
33) Benzene	5.37	78	56321	4.706 ug/L	100
34) Trichloroethene	6.17	95	14783	4.790 ug/L	97
35) Methylcyclohexane	6.40	83	21226	4.513 ug/L	94
37) 1,2-Dichloropropane	6.41	63	14656	4.520 ug/L	99
38) Bromodichloromethane	6.74	83	18505	4.414 ug/L	97
39) cis-1,3-Dichloropropene	7.25	75	21854	4.547 ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	40607	8.629 ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	58353	4.537	ug/L	97
44) trans-1,3-Dichloropropene	7.86	75	19005	4.185	ug/L	98
45) 1,1,2-Trichloroethane	8.05	97	14473	4.669	ug/L	97
46) Tetrachloroethene	8.21	164	11899	4.725	ug/L	96
48) 2-Hexanone	8.35	43	30484	7.909	ug/L	98
49) Dibromochloromethane	8.46	129	15437	4.374	ug/L	99
50) 1,2-Dibromoethane	8.57	107	15852	4.707	ug/L	93
51) Chlorobenzene	9.10	112	39809	4.707	ug/L	98
52) Ethylbenzene	9.23	91	62672	4.523	ug/L	98
53) m,p-Xylene	9.36	106	23729	4.524	ug/L	100
54) o-xylene	9.76	106	22856	4.390	ug/L	95
55) Styrene	9.78	104	36290	4.105	ug/L	99
56) Isopropylbenzene	10.15	105	60490	4.500	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	25464	4.474	ug/L	98
59) 1,2,3-Trichloropropane	10.48	75	20119	4.562	ug/L	99
61) Bromoform	9.94	173	11830	4.387	ug/L	97
62) 1,3-Dichlorobenzene	11.40	146	32416	4.777	ug/L	100
63) 1,4-Dichlorobenzene	11.49	146	32814	4.675	ug/L	98
65) 1,2-Dichlorobenzene	11.86	146	31204	4.552	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	5877	4.592	ug/L	89
67) 1,3,5-Trichlorobenzene	12.87	180	24658	4.757	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	21334	4.884	ug/L	97
69) Naphthalene	13.73	128	59114	4.621	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	23371	5.162	ug/L	95

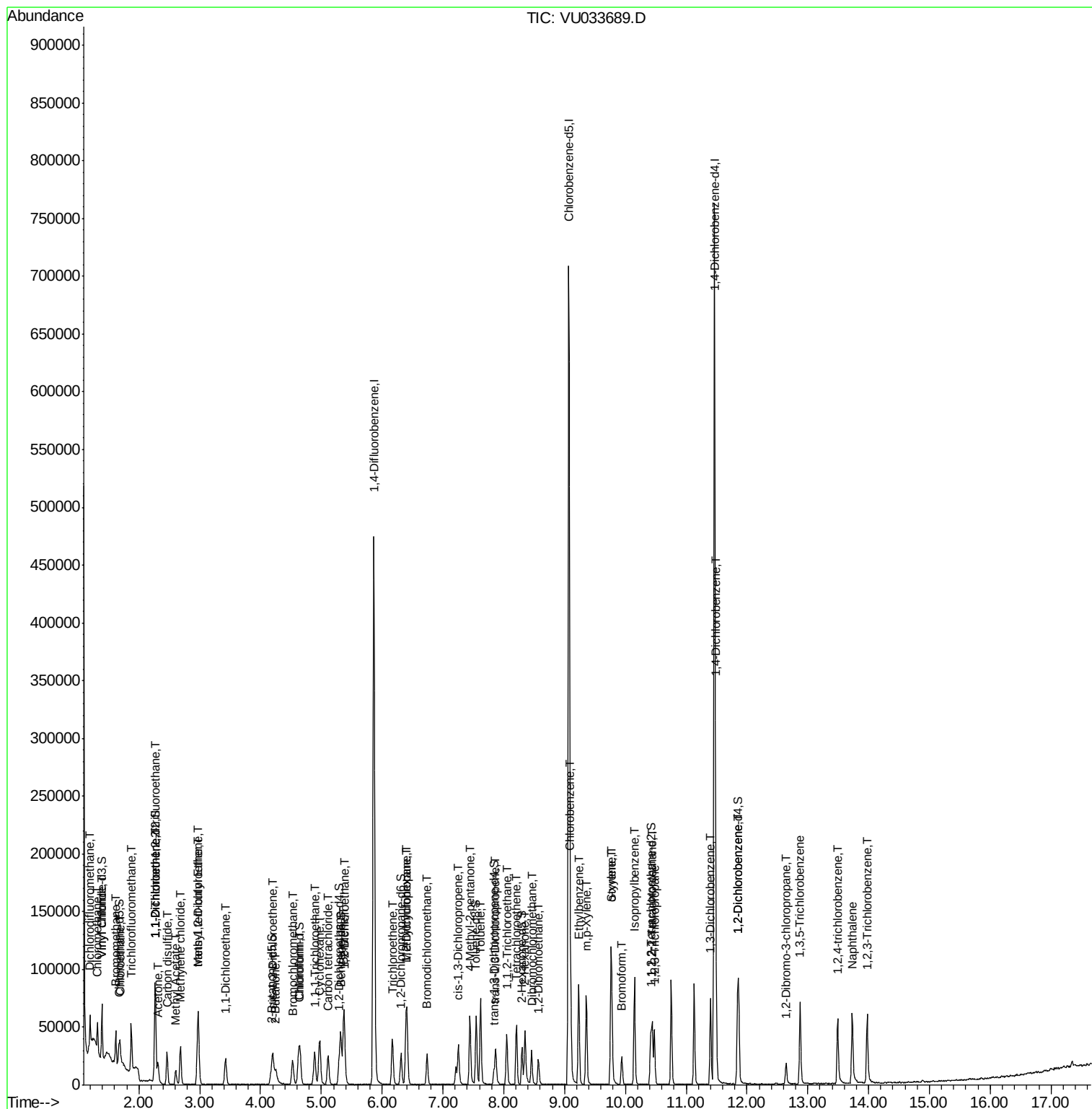
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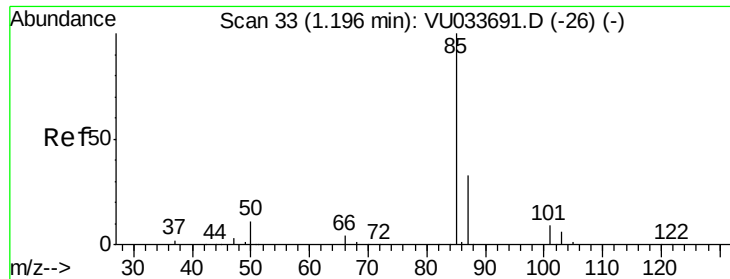
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#2

Dichlorodifluoromethane

Concen: 4.211 ug/L

RT: 1.20 min Scan# 33

Delta R.T. -0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

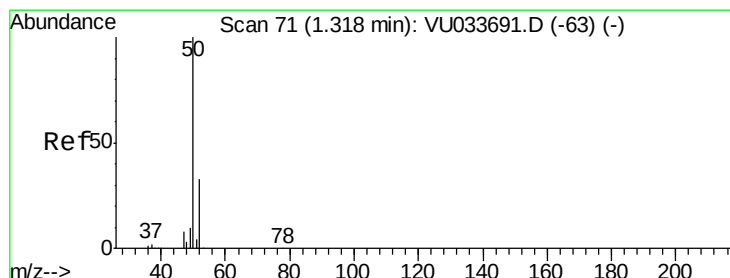
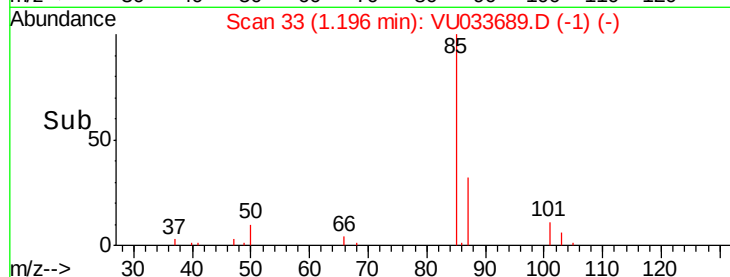
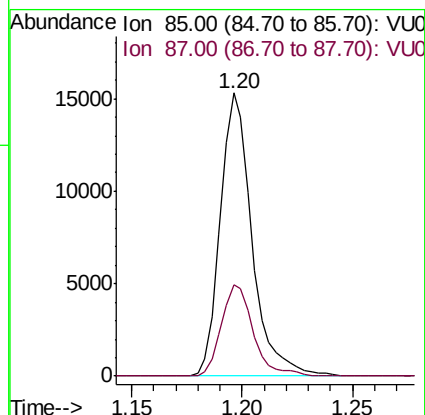
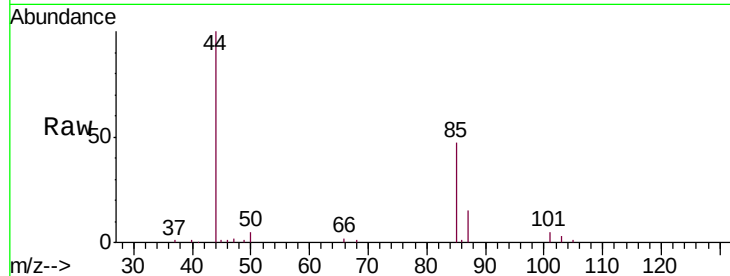
VSTD00532

Tgt Ion: 85 Resp: 15217

Ion Ratio Lower Upper

85 100

87 32.3 26.2 39.2



#3

Chloromethane

Concen: 4.008 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU033689.D

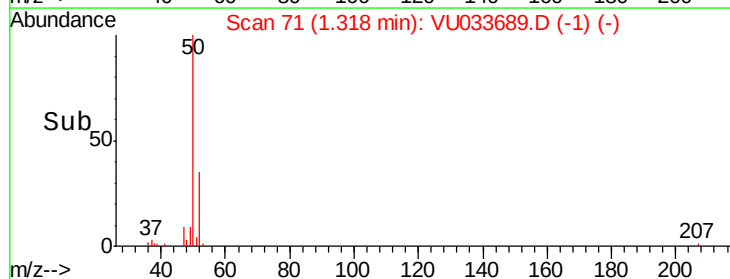
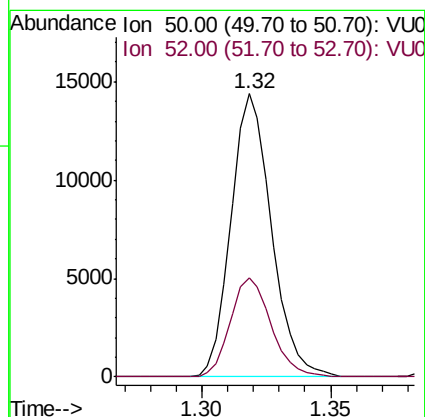
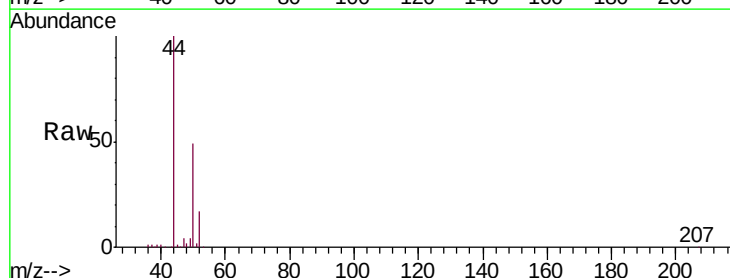
Acq: 09 Aug 2019 17:26

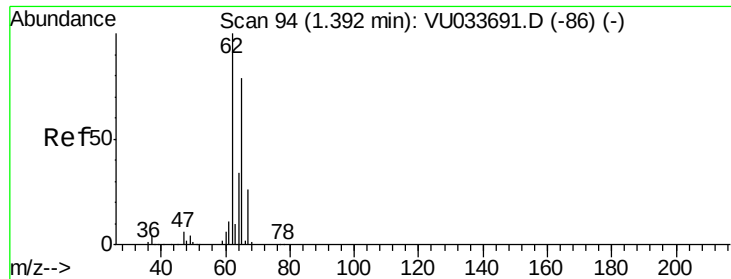
Tgt Ion: 50 Resp: 15740

Ion Ratio Lower Upper

50 100

52 35.1 23.0 42.8





#5

Vinyl chloride

Concen: 4.155 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033689.D

Acq: 09 Aug 2019 17:26

Instrument :

MSVOA_U

ClientSampleId :

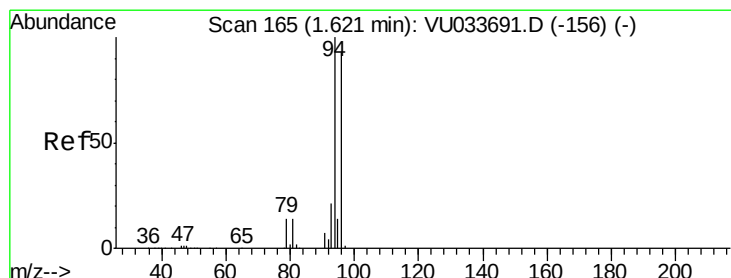
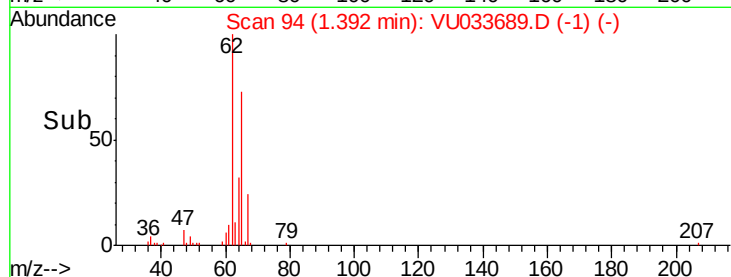
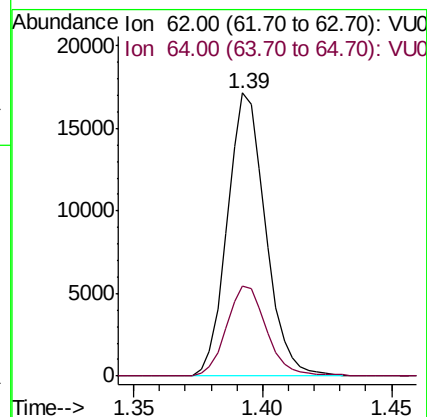
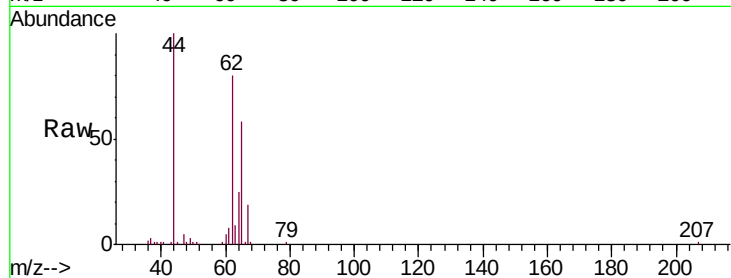
VSTD00532

Tgt Ion: 62 Resp: 17643

Ion Ratio Lower Upper

62 100

64 31.8 23.7 43.9



#6

Bromomethane

Concen: 4.101 ug/L

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU033689.D

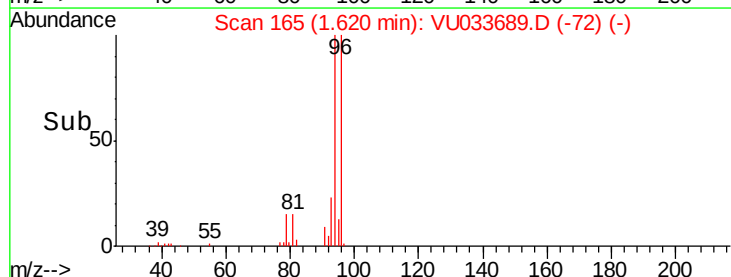
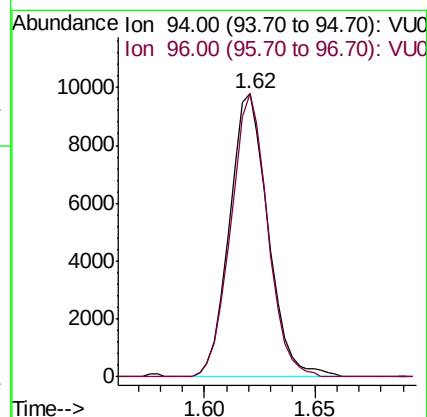
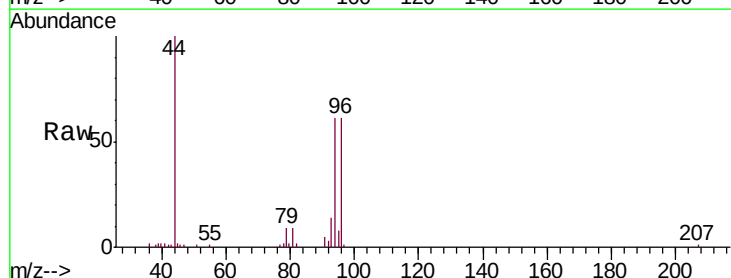
Acq: 09 Aug 2019 17:26

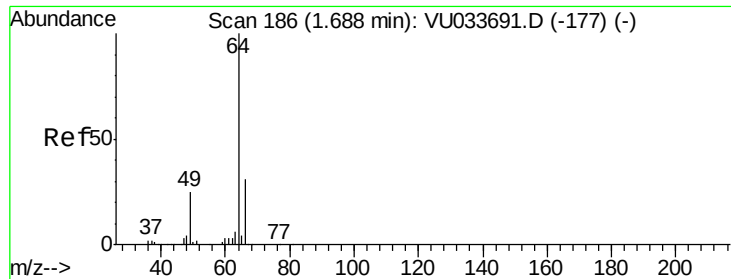
Tgt Ion: 94 Resp: 11861

Ion Ratio Lower Upper

94 100

96 100.0 65.0 120.6





#8

Chloroethane

Concen: 4.016 ug/L

RT: 1.69 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU033689.D

Acq: 09 Aug 2019 17:26

Instrument :

MSVOA_U

ClientSampleId :

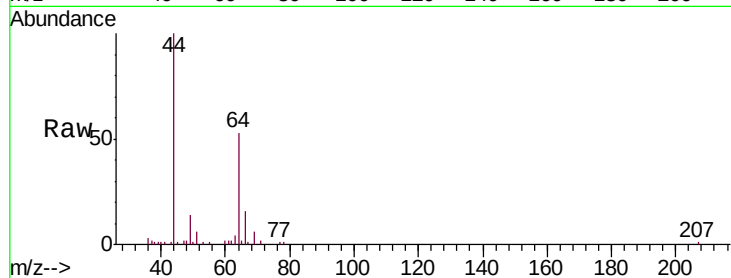
VSTD00532

Tgt Ion: 64 Resp: 10959

Ion Ratio Lower Upper

64 100

66 29.4 22.0 41.0



Abundance Ion 64.00 (63.70 to 64.70): VU033691.D (-177) (-)

Ion 66.00 (65.70 to 66.70): VU033691.D (-177) (-)

1.69

10000

8000

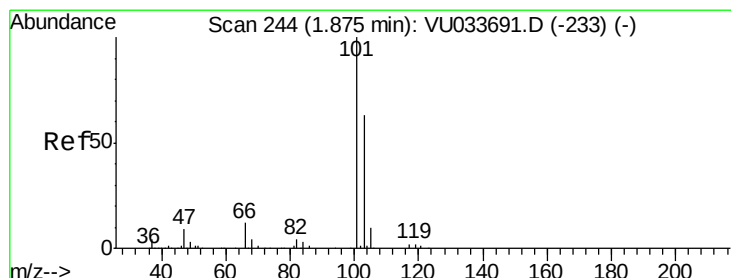
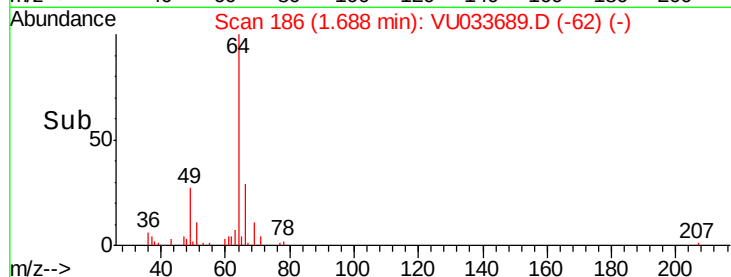
6000

4000

2000

0

Time-->



#9

Trichlorofluoromethane

Concen: 4.221 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU033689.D

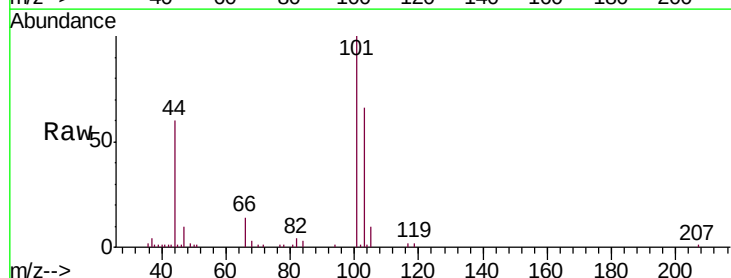
Acq: 09 Aug 2019 17:26

Tgt Ion: 101 Resp: 23831

Ion Ratio Lower Upper

101 100

103 65.4 51.0 76.6



Abundance Ion 101.00 (100.70 to 101.70): VU033691.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU033691.D (-233) (-)

1.87

20000

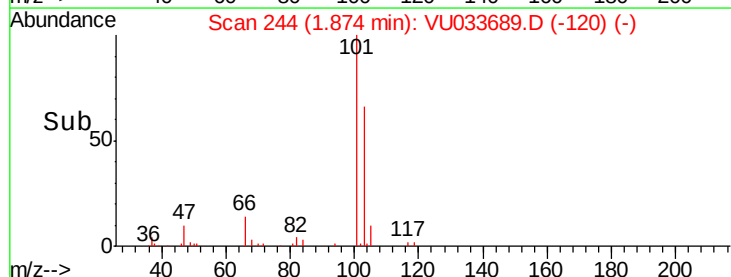
15000

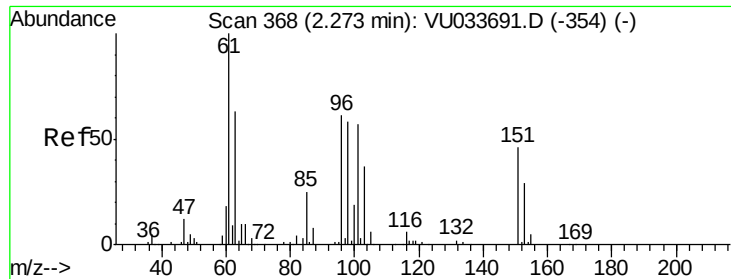
10000

5000

0

Time-->





#10

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

Concen: 4.268 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU033689.D

Acq: 09 Aug 2019 17:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00532

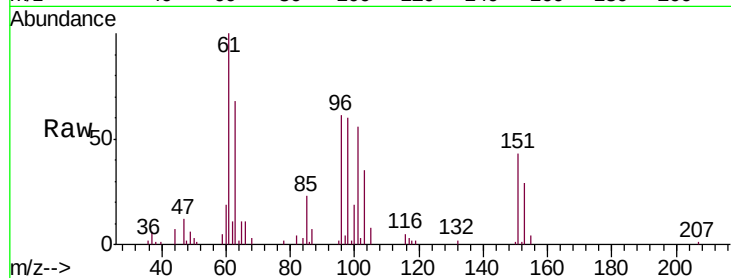
Tgt Ion: 101 Resp: 12442

Ion Ratio Lower Upper

101 100

85 43.1 34.5 51.7

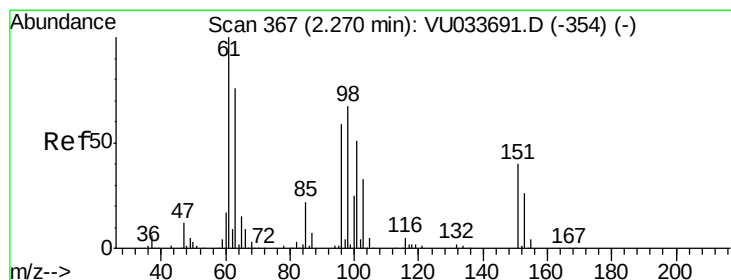
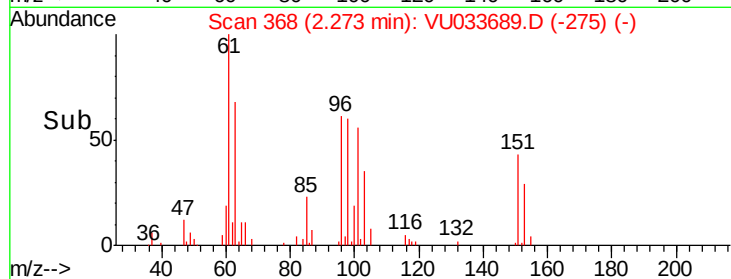
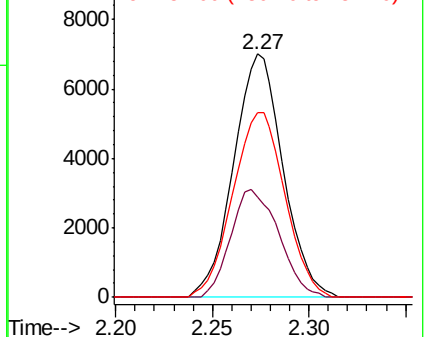
151 80.0 63.0 94.4



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: 4.434 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033689.D

Acq: 09 Aug 2019 17:26

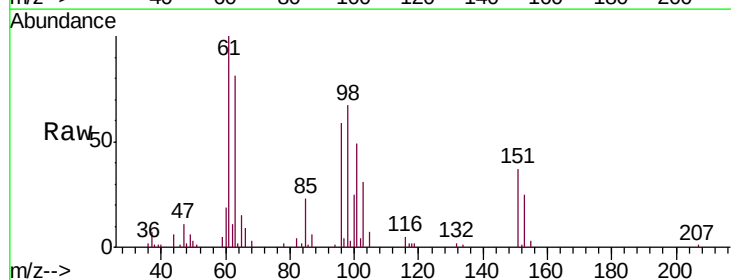
Tgt Ion: 96 Resp: 12414

Ion Ratio Lower Upper

96 100

61 169.6 118.2 219.6

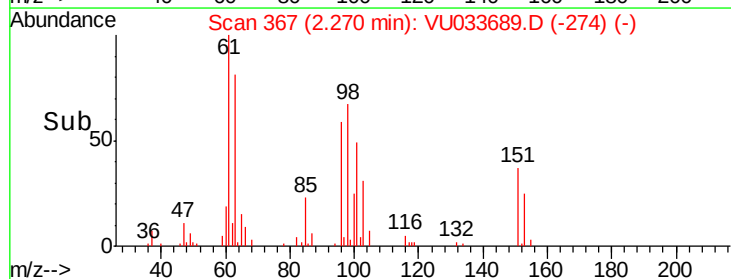
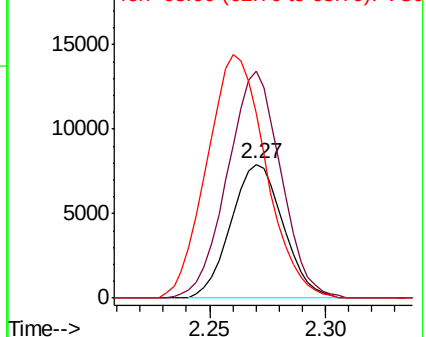
63 138.1 90.7 168.5

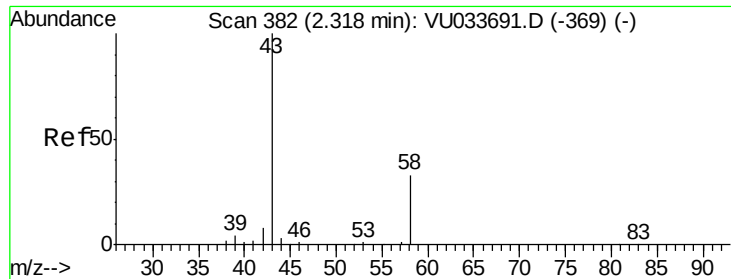


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 10.107 ug/L

RT: 2.31 min Scan# 381

Delta R.T. -0.00 min

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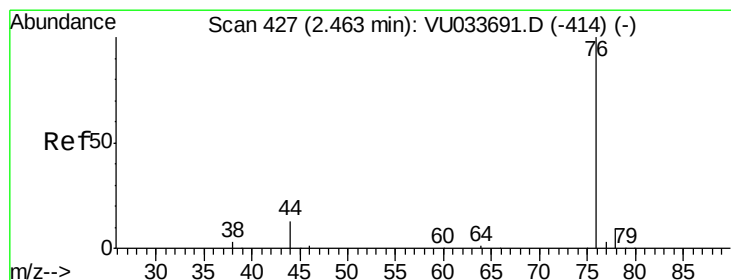
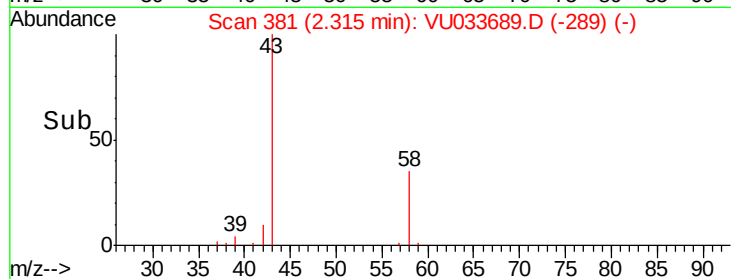
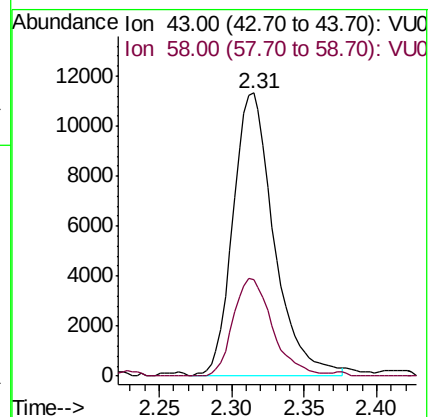
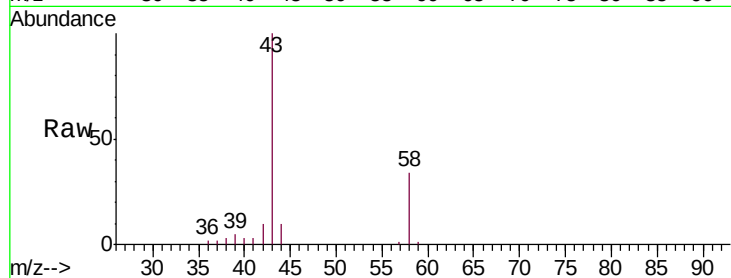
VSTD00532

Tgt Ion: 43 Resp: 22288

Ion Ratio Lower Upper

43 100

58 33.1 0.0 65.6



#14

Carbon disulfide

Concen: 4.161 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU033689.D

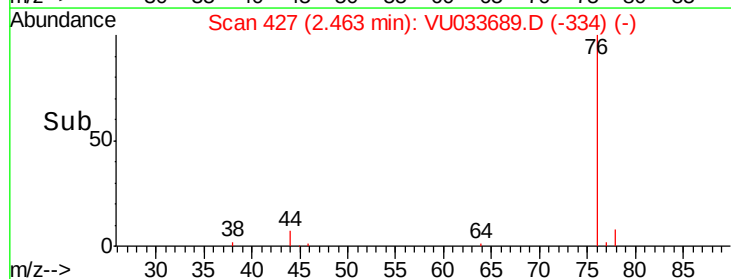
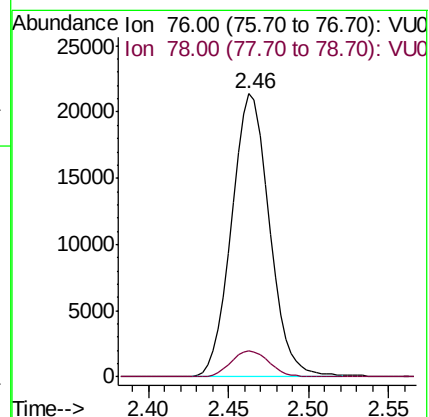
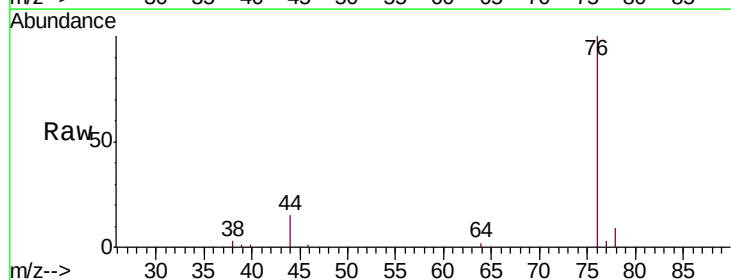
Acq: 09 Aug 2019 17:26

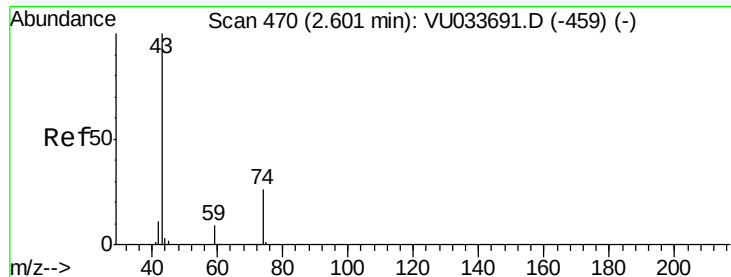
Tgt Ion: 76 Resp: 34525

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7

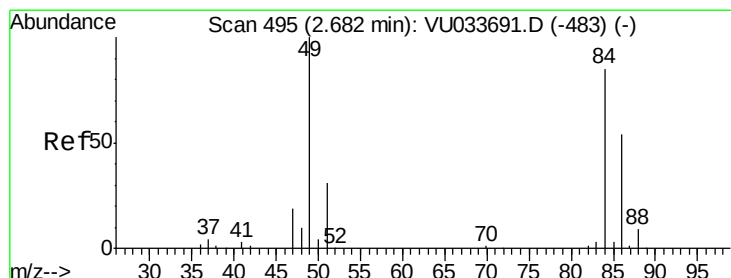
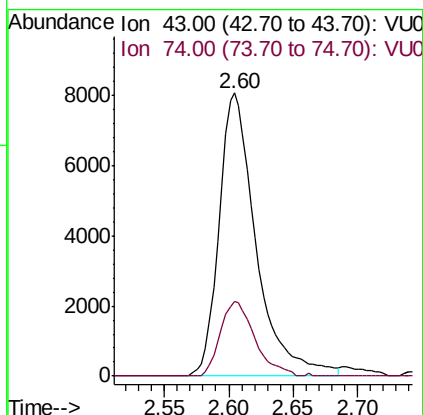
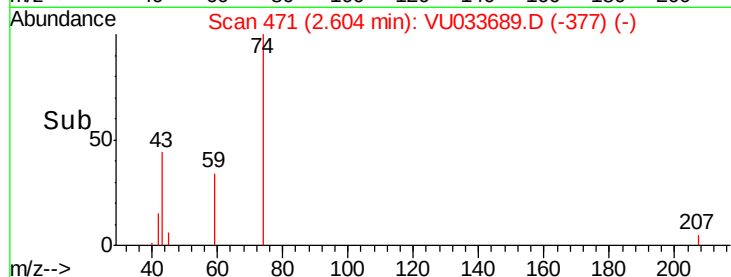
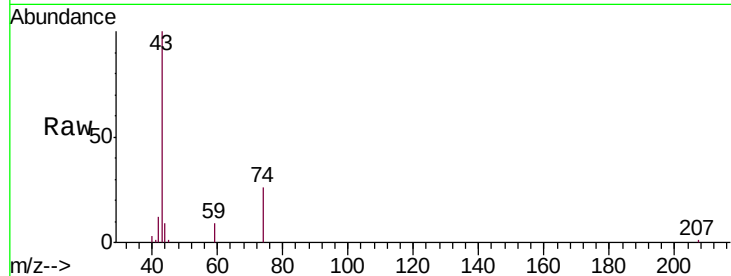




#15
Methyl Acetate
Concen: 4.472 ug/L
RT: 2.60 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU033689.D
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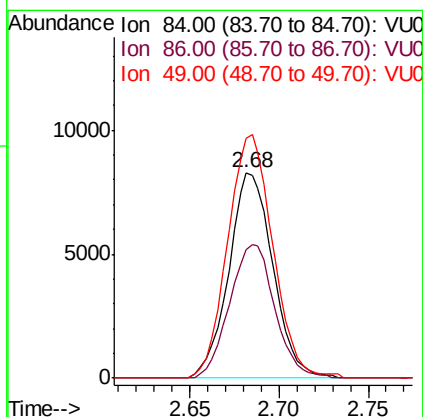
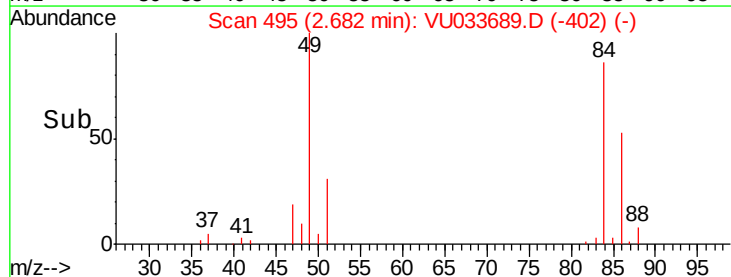
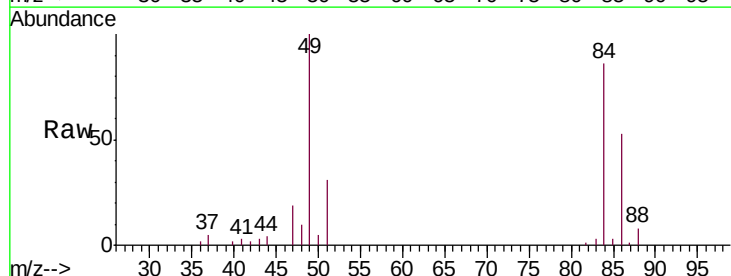
Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

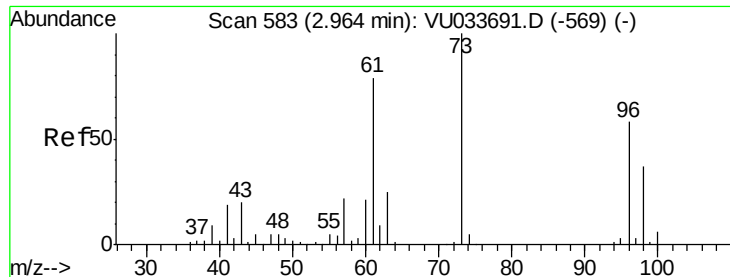
Tgt Ion: 43 Resp: 16078
Ion Ratio Lower Upper
43 100
74 24.6 20.8 31.2



#16
Methylene chloride
Concen: 4.273 ug/L
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU033689.D
Acq: 09 Aug 2019 17:26

Tgt Ion: 84 Resp: 14218
Ion Ratio Lower Upper
84 100
86 62.3 44.3 82.3
49 116.6 82.3 152.9





#17

trans-1,2-Dichloroethene

Concen: 4.555 ug/L

RT: 2.96 min Scan# 583

Delta R.T. -0.00 min

Lab File: VU033689.D

Acq: 09 Aug 2019 17:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00532

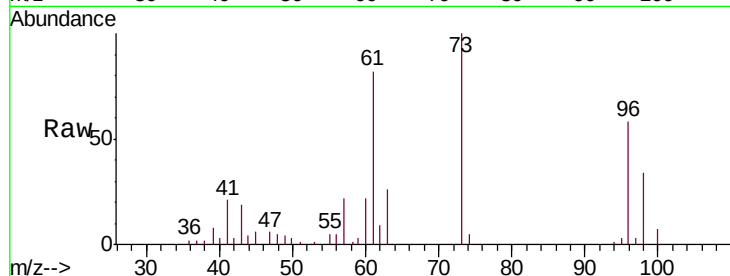
Tgt Ion: 96 Resp: 13332

Ion Ratio Lower Upper

96 100

61 140.4 95.6 177.6

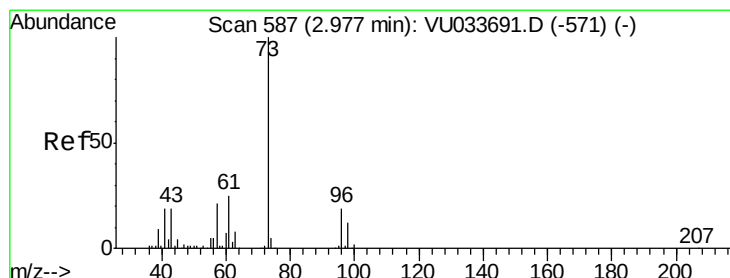
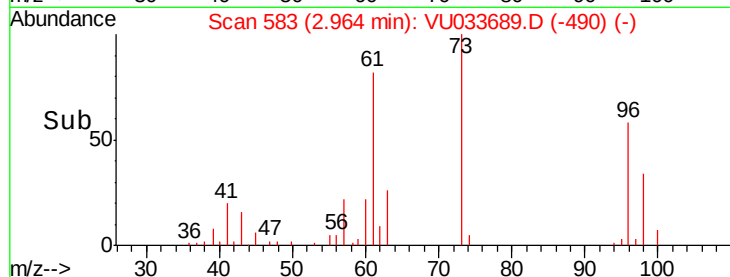
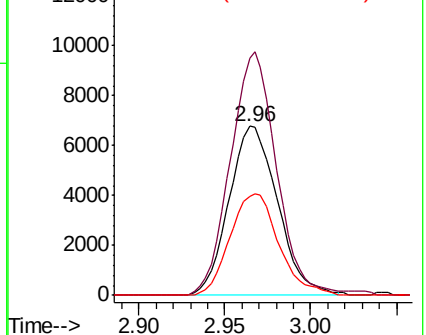
98 58.7 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 4.566 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU033689.D

Acq: 09 Aug 2019 17:26

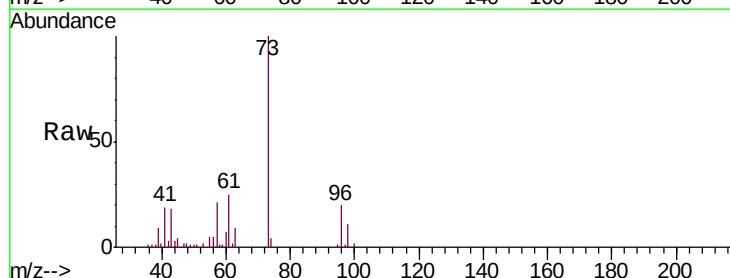
Tgt Ion: 73 Resp: 42229

Ion Ratio Lower Upper

73 100

43 19.3 15.1 22.7

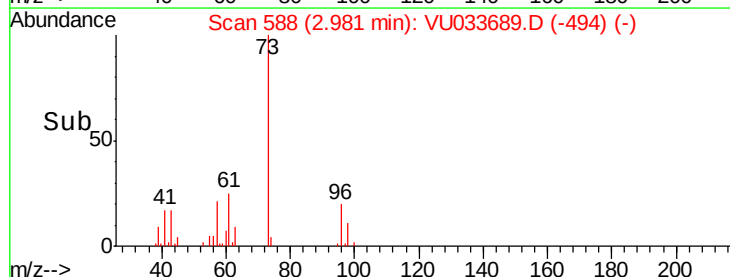
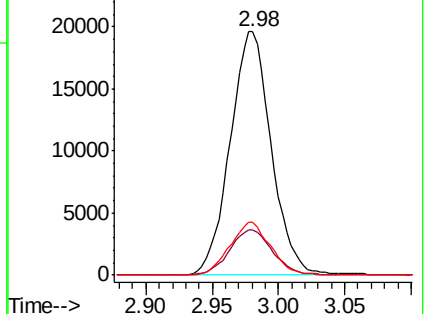
57 21.3 17.4 26.0

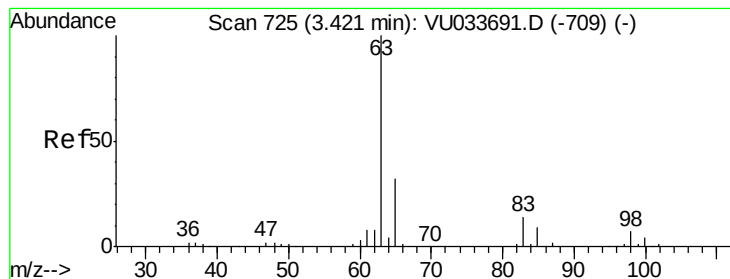


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 4.437 ug/L

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU033689.D

Acq: 09 Aug 2019 17:26

Instrument :

MSVOA_U

ClientSampled :

VSTD00532

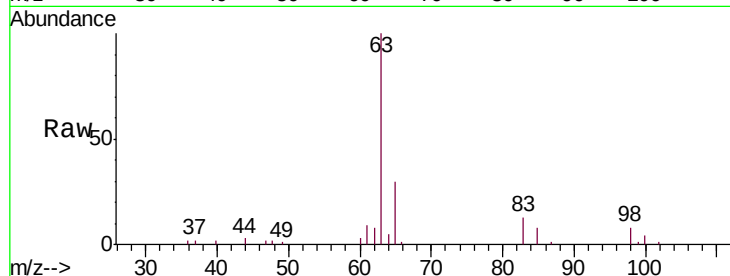
Tgt Ion: 63 Resp: 25183

Ion Ratio Lower Upper

63 100

65 29.8 22.3 41.3

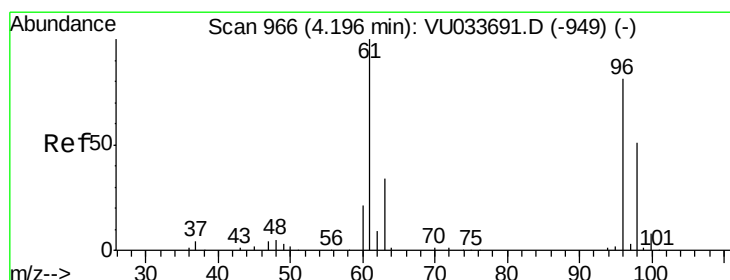
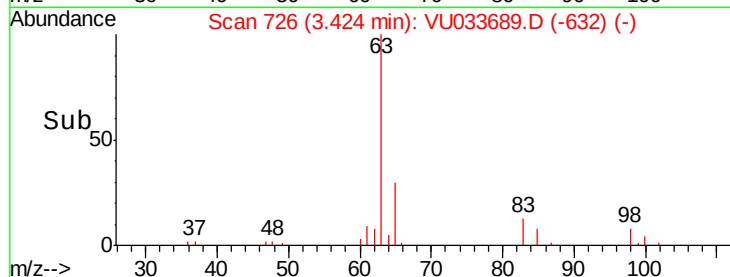
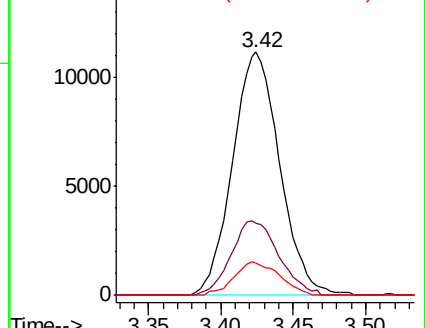
83 13.3 9.7 18.1



Abundance Ion 63.00 (62.70 to 63.70): VU033689.D (-709) (-)

Ion 65.00 (64.70 to 65.70): VU033689.D (-709) (-)

Ion 83.00 (82.70 to 83.70): VU033689.D (-709) (-)



#20

cis-1,2-Dichloroethene

Concen: 4.358 ug/L

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU033689.D

Acq: 09 Aug 2019 17:26

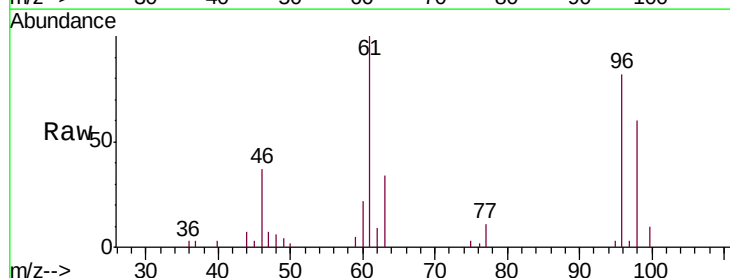
Tgt Ion: 96 Resp: 14398

Ion Ratio Lower Upper

96 100

61 122.6 87.0 161.6

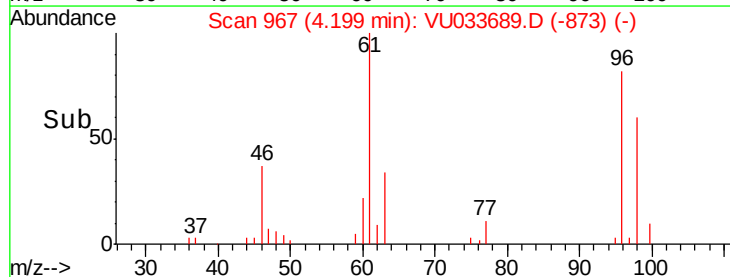
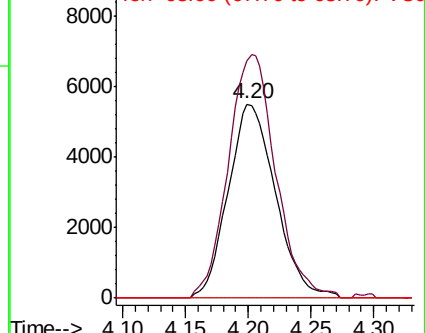
68 0.0 0.0 0.0

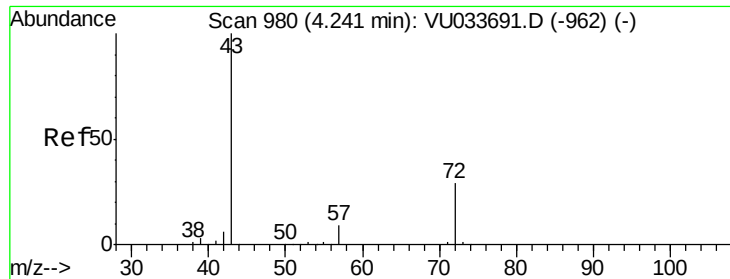


Abundance Ion 96.00 (95.70 to 96.70): VU033689.D (-873) (-)

Ion 61.00 (60.70 to 61.70): VU033689.D (-873) (-)

Ion 68.00 (67.70 to 68.70): VU033689.D (-873) (-)





#22

2-Butanone

Concen: 7.208 ug/L

RT: 4.25 min Scan# 983

Delta R.T. 0.01 min

Lab File: VU033689.D

Acq: 09 Aug 2019 17:26

Instrument :

MSVOA_U

ClientSampleId :

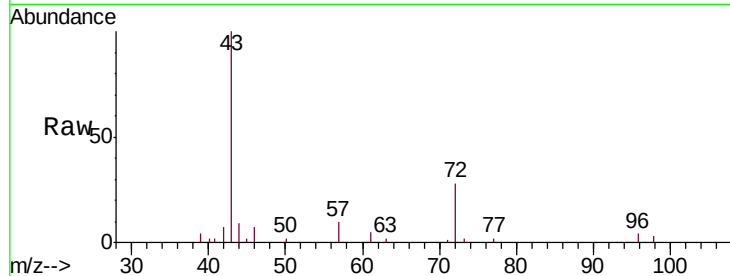
VSTD00532

Tgt Ion: 43 Resp: 20049

Ion Ratio Lower Upper

43 100

72 28.4 15.2 45.6

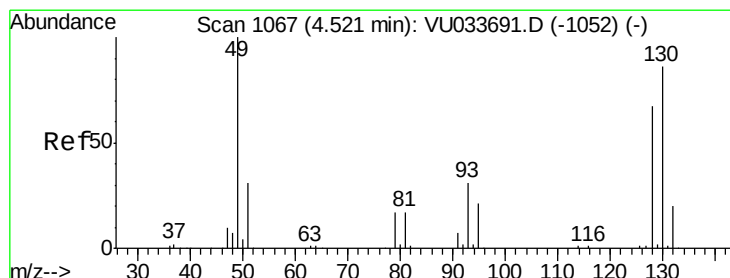
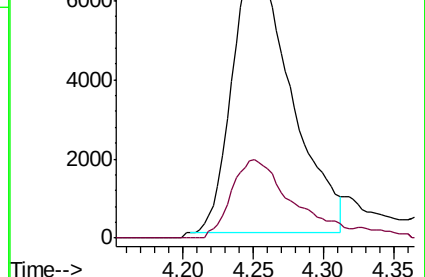
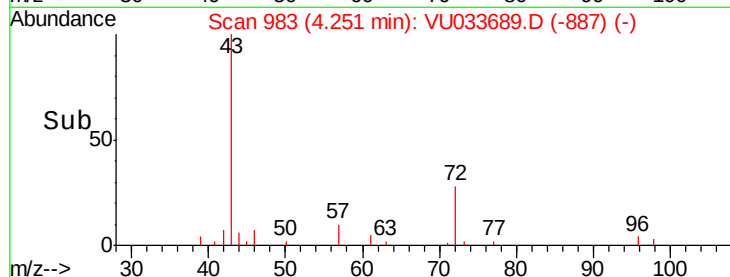


Abundance Ion 43.00 (42.70 to 43.70): VU033689.D (-983) (-)

Ion 72.00 (71.70 to 72.70): VU033689.D (-983) (-)

4.25

Time-->



#23

Bromochloromethane

Concen: 4.242 ug/L

RT: 4.53 min Scan# 1069

Delta R.T. 0.01 min

Lab File: VU033689.D

Acq: 09 Aug 2019 17:26

Tgt Ion: 128 Resp: 7419

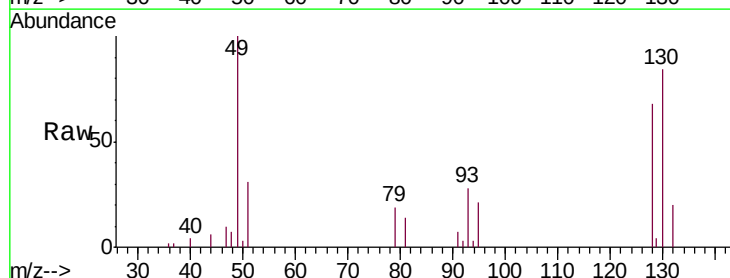
Ion Ratio Lower Upper

128 100

49 147.1 104.7 194.4

130 124.2 89.6 166.4

51 45.0 37.4 56.0



Abundance Ion 128.00 (127.70 to 128.70): VU033689.D (-1069) (-)

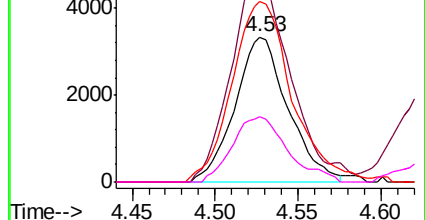
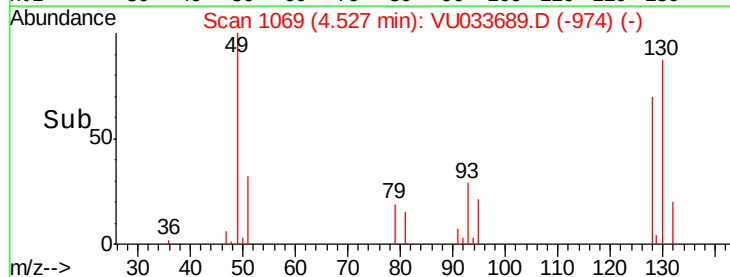
Ion 49.00 (48.70 to 49.70): VU033689.D (-1069) (-)

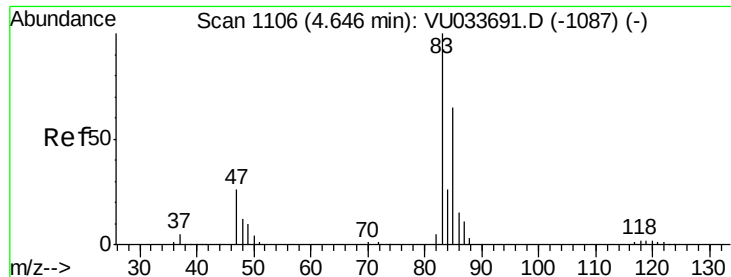
Ion 130.00 (129.70 to 130.70): VU033689.D (-1069) (-)

Ion 51.00 (50.70 to 51.70): VU033689.D (-1069) (-)

4.53

Time-->

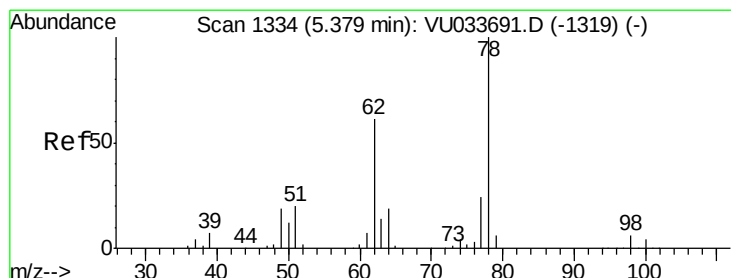
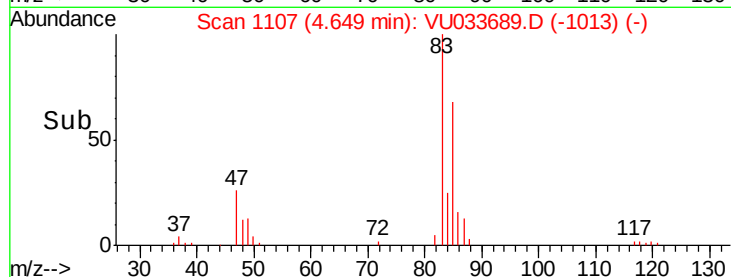
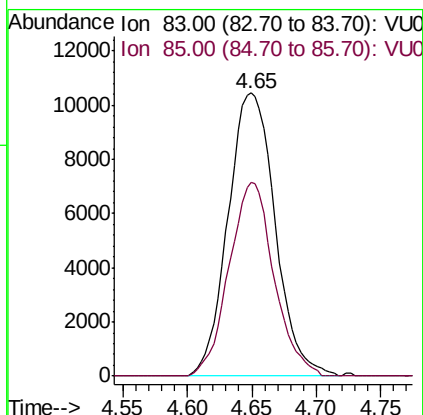
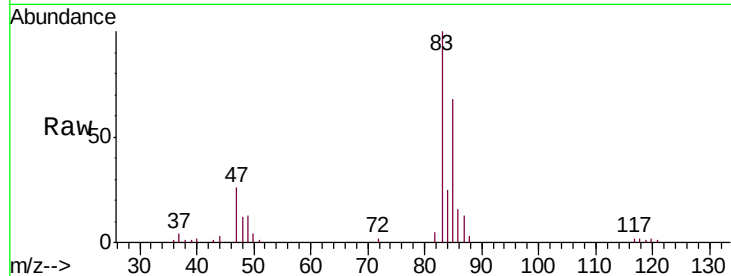




#25
Chloroform
Concen: 4.488 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033689.D
Acq: 09 Aug 2019 17:26

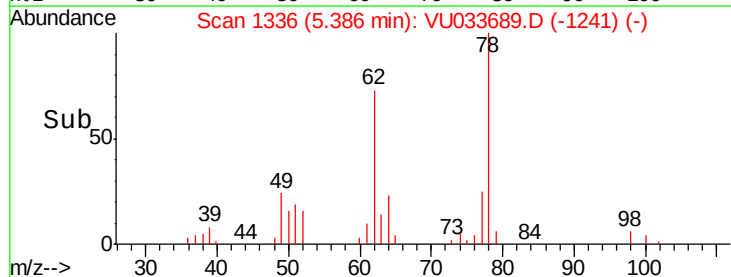
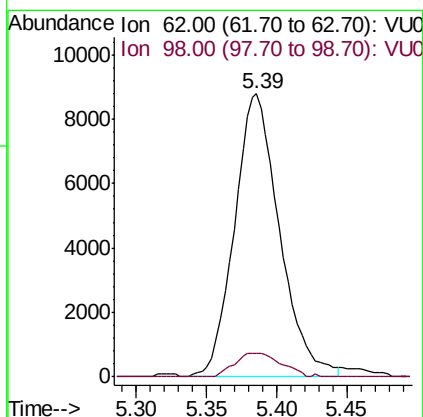
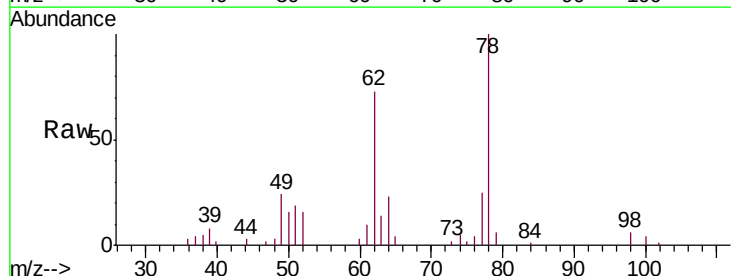
Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

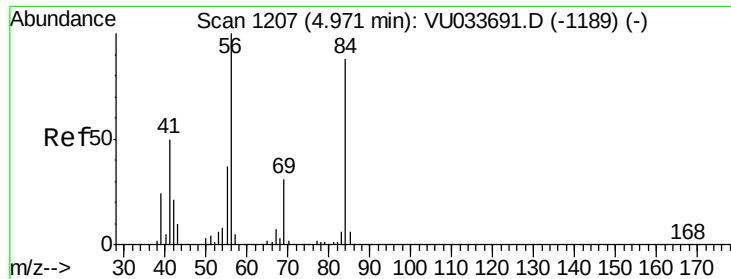
Tgt Ion: 83 Resp: 26605
Ion Ratio Lower Upper
83 100
85 68.4 45.9 85.3



#27
1,2-Dichloroethane
Concen: 4.268 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.01 min
Lab File: VU033689.D
Acq: 09 Aug 2019 17:26

Tgt Ion: 62 Resp: 19668
Ion Ratio Lower Upper
62 100
98 8.4 7.4 11.2

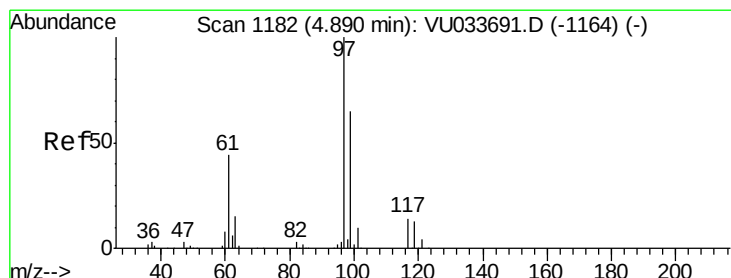
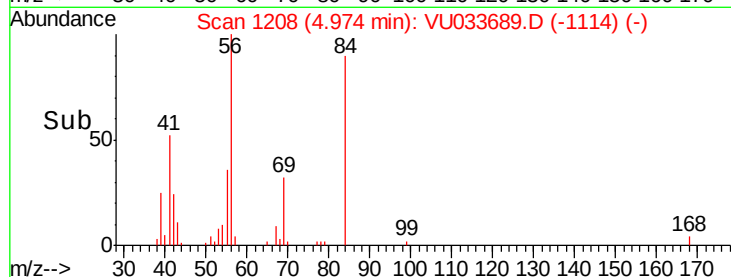
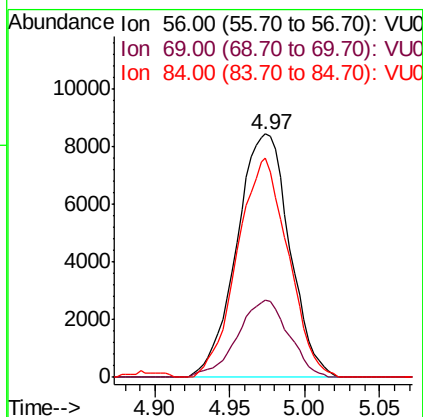
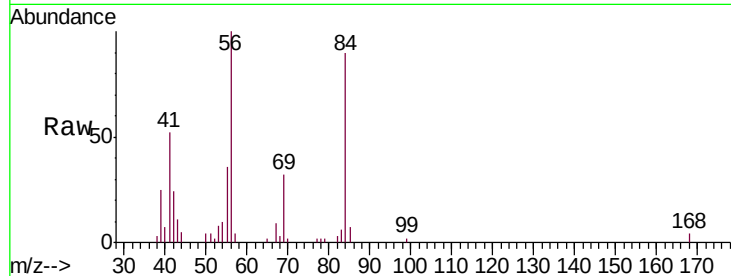




#29
Cyclohexane
Concen: 4.728 ug/L
RT: 4.97 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VU033689.D
Acq: 09 Aug 2019 17:26

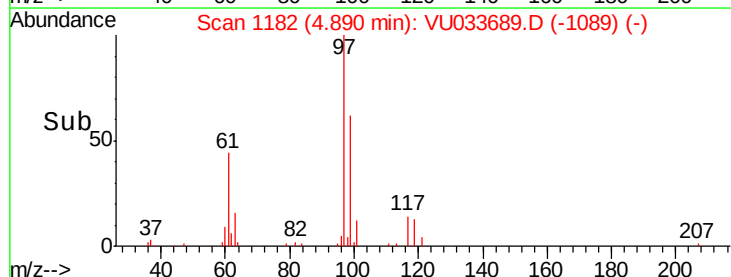
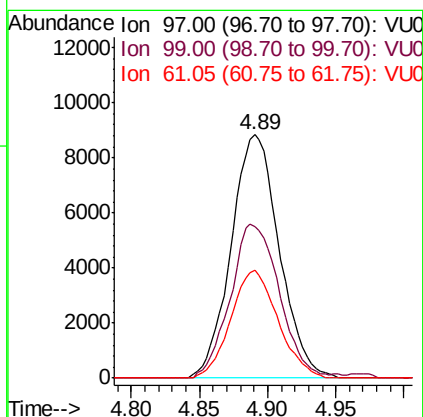
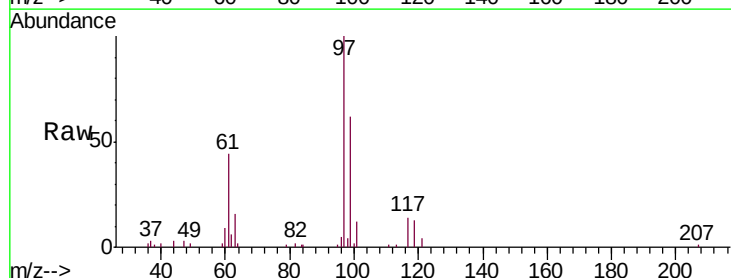
Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

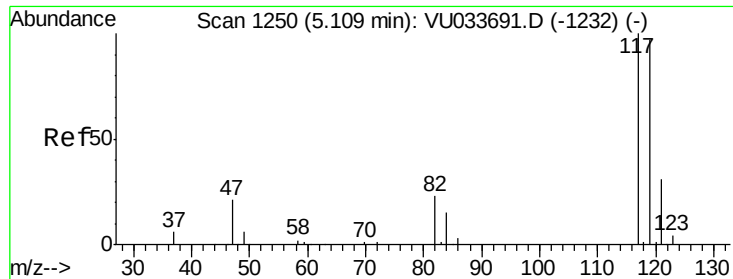
Tgt Ion: 56 Resp: 20804
Ion Ratio Lower Upper
56 100
69 30.8 25.3 37.9
84 86.3 71.8 107.8



#30
1,1,1-Trichloroethane
Concen: 4.561 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VU033689.D
Acq: 09 Aug 2019 17:26

Tgt Ion: 97 Resp: 21704
Ion Ratio Lower Upper
97 100
99 64.4 52.0 78.0
61 43.3 35.0 52.4





#31

Carbon tetrachloride

Concen: 4.634 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VU033689.D

Acq: 09 Aug 2019 17:26

Instrument :

MSVOA_U

ClientSampleId :

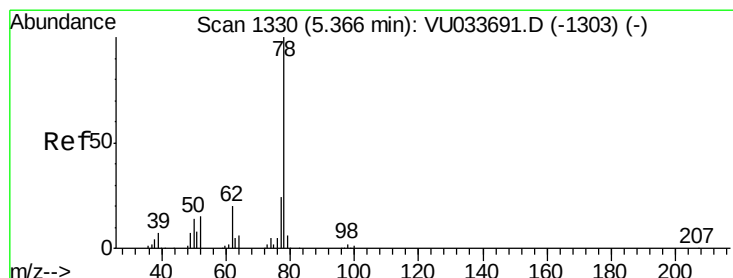
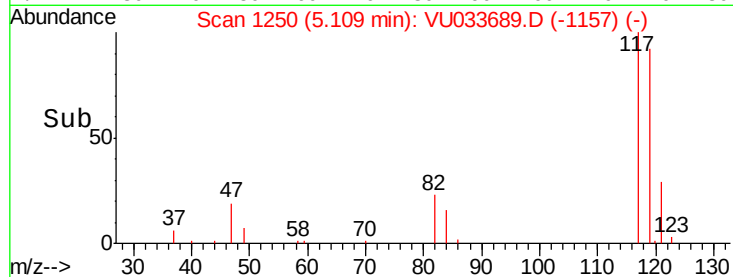
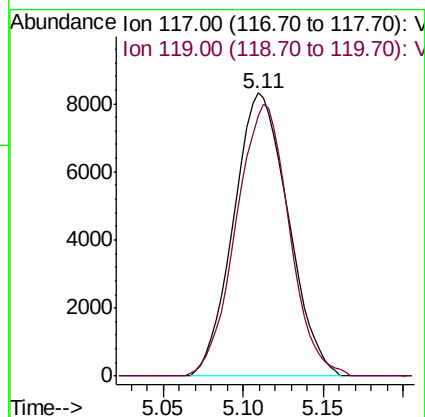
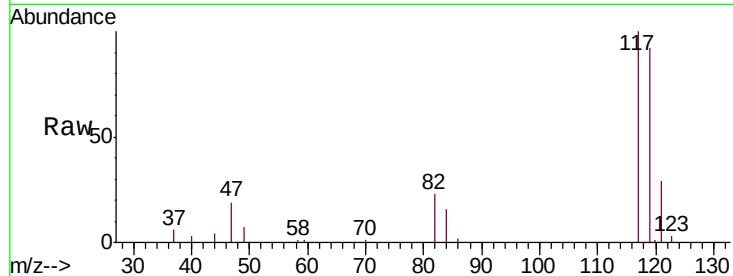
VSTD00532

Tgt Ion:117 Resp: 19450

Ion Ratio Lower Upper

117 100

119 93.7 78.2 117.4



#33

Benzene

Concen: 4.706 ug/L

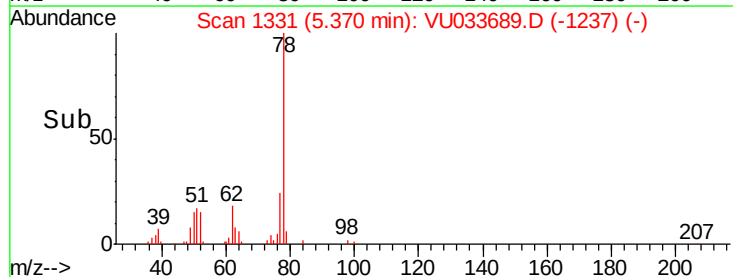
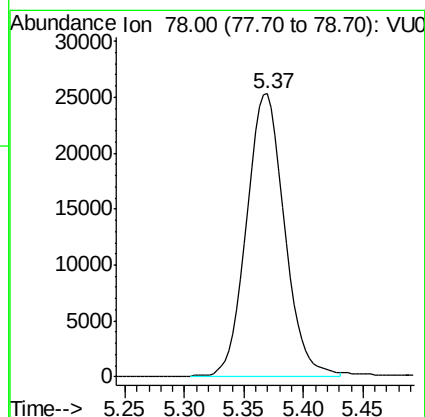
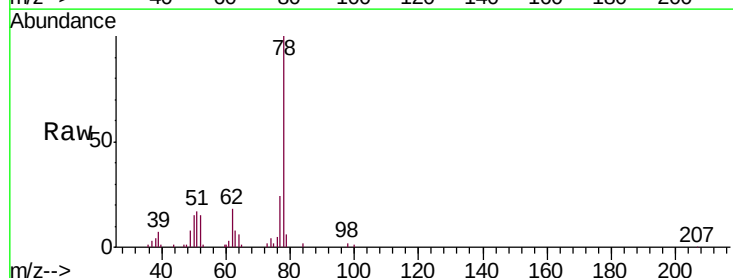
RT: 5.37 min Scan# 1331

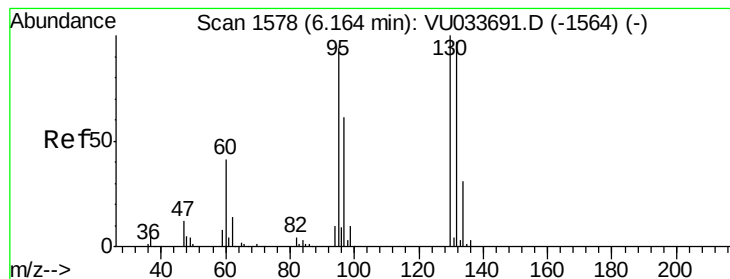
Delta R.T. 0.00 min

Lab File: VU033689.D

Acq: 09 Aug 2019 17:26

Tgt Ion: 78 Resp: 56321





#34

Trichloroethene

Concen: 4.790 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU033689.D

Acq: 09 Aug 2019 17:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00532

Tgt Ion: 95 Resp: 14783

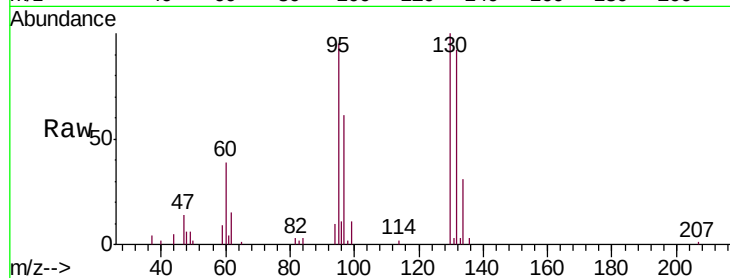
Ion Ratio Lower Upper

95 100

97 63.8 45.6 84.8

132 97.2 72.0 133.8

130 105.1 74.3 138.1

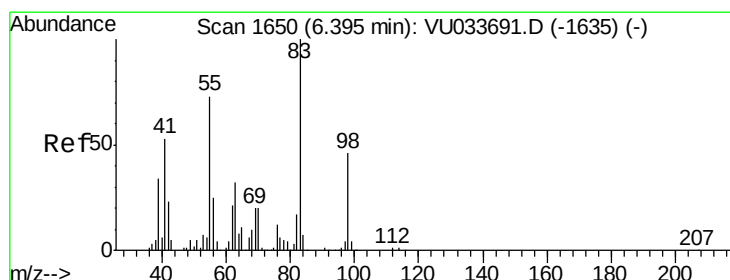
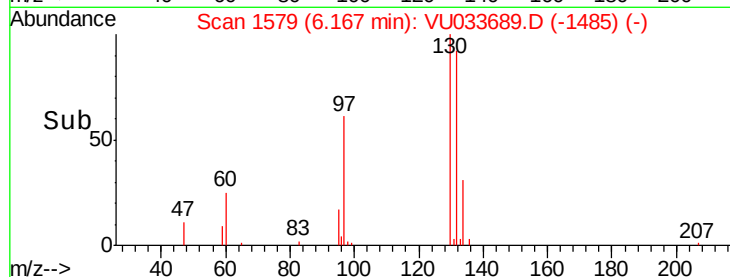
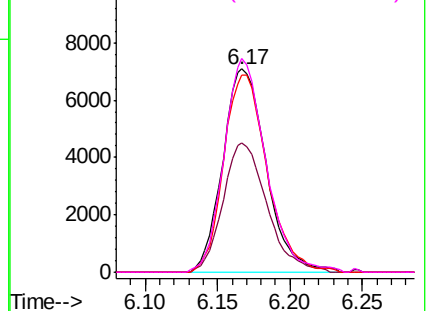


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.513 ug/L

RT: 6.40 min Scan# 1650

Delta R.T. -0.00 min

Lab File: VU033689.D

Acq: 09 Aug 2019 17:26

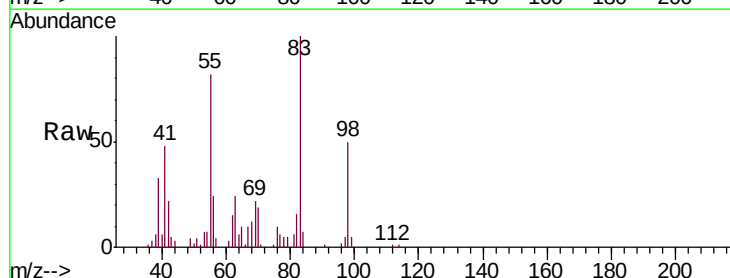
Tgt Ion: 83 Resp: 21226

Ion Ratio Lower Upper

83 100

55 80.4 58.1 87.1

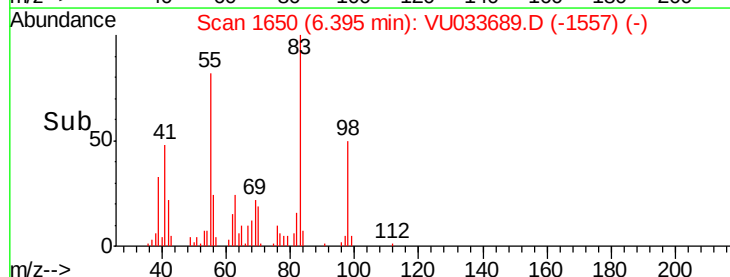
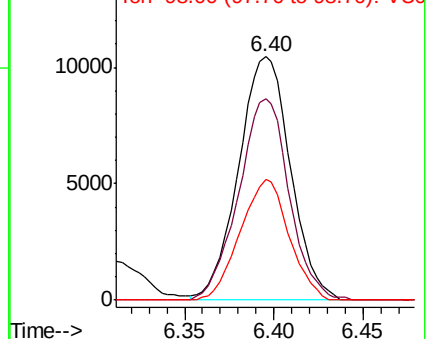
98 46.5 36.8 55.2

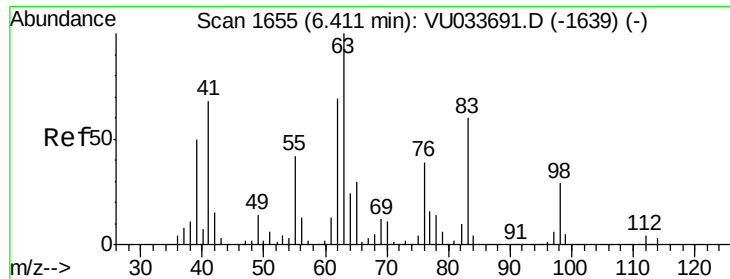


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

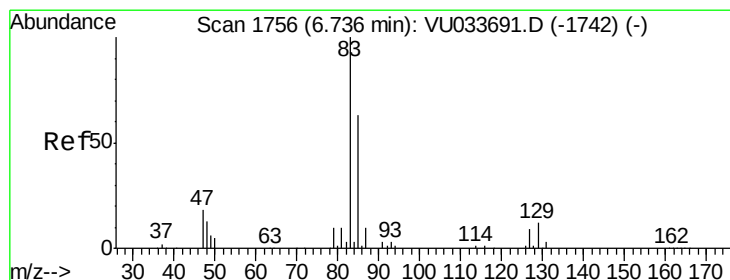
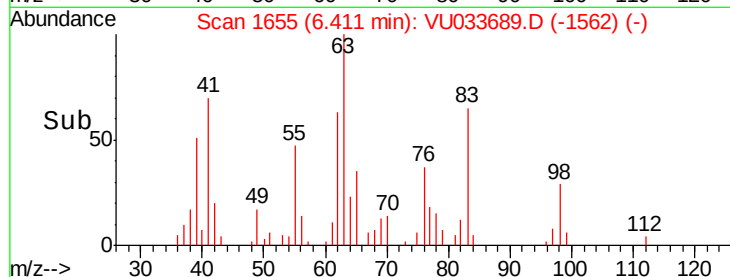
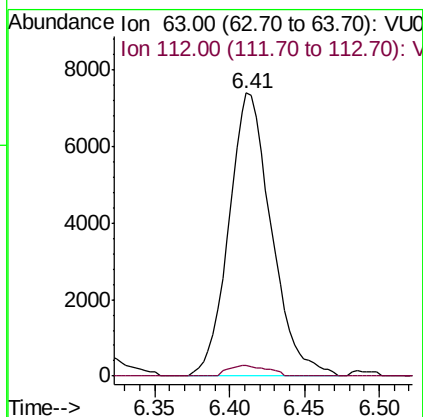
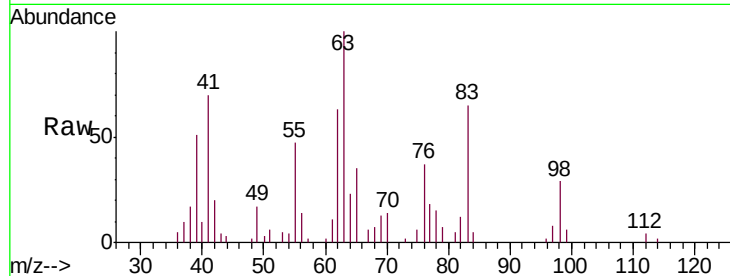




#37
 1,2-Dichloropropane
 Concen: 4.520 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU033689.D
 Acq: 09 Aug 2019 17:26

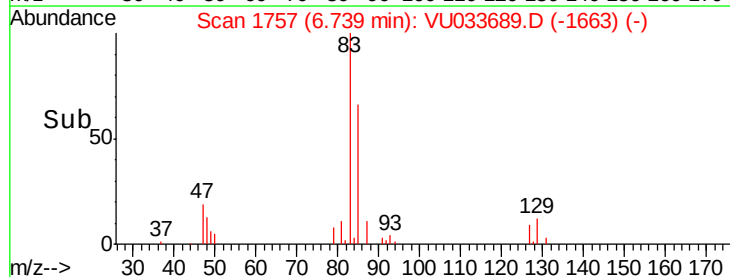
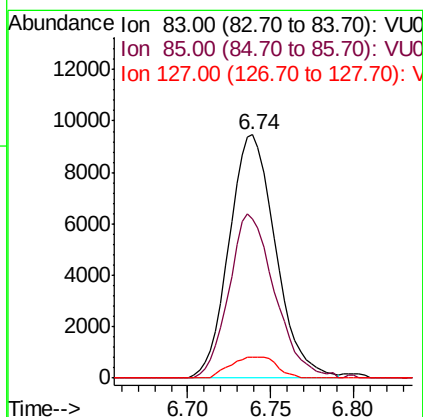
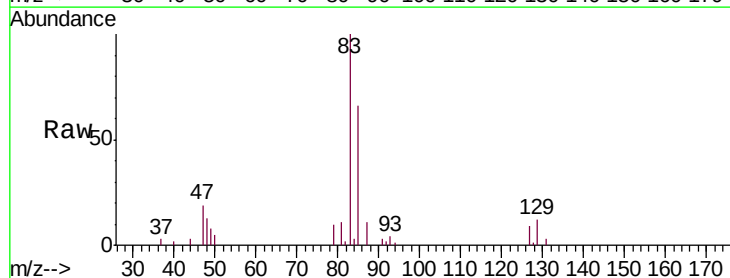
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00532

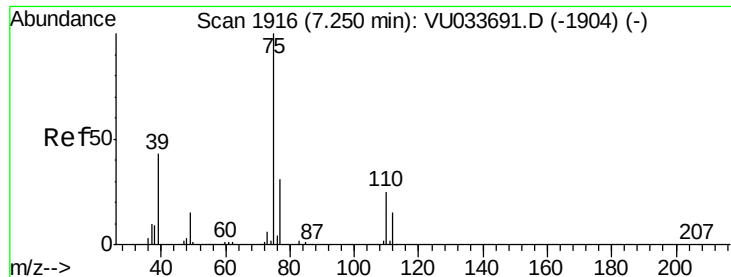
Tgt Ion: 63 Resp: 14656
 Ion Ratio Lower Upper
 63 100
 112 3.5 3.1 4.7



#38
 Bromodichloromethane
 Concen: 4.414 ug/L
 RT: 6.74 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VU033689.D
 Acq: 09 Aug 2019 17:26

Tgt Ion: 83 Resp: 18505
 Ion Ratio Lower Upper
 83 100
 85 65.6 44.2 82.0
 127 8.8 6.8 10.2

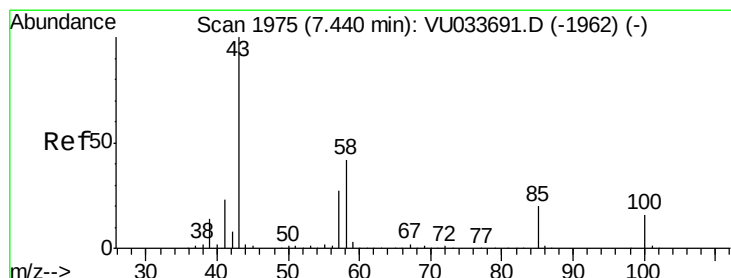
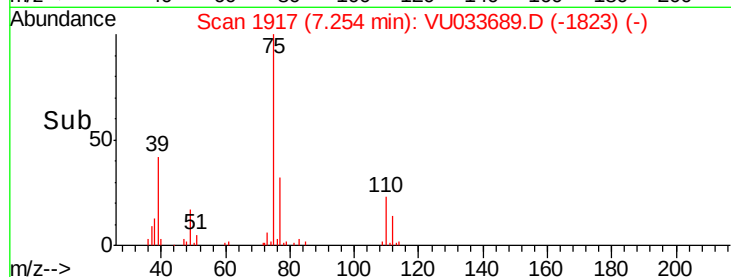
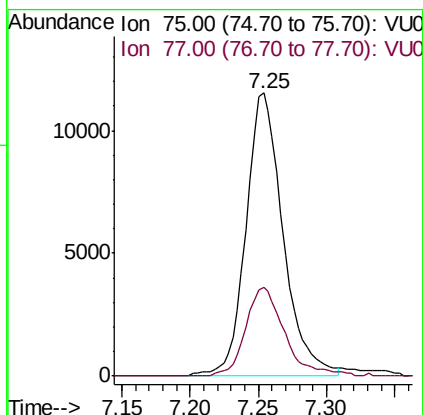
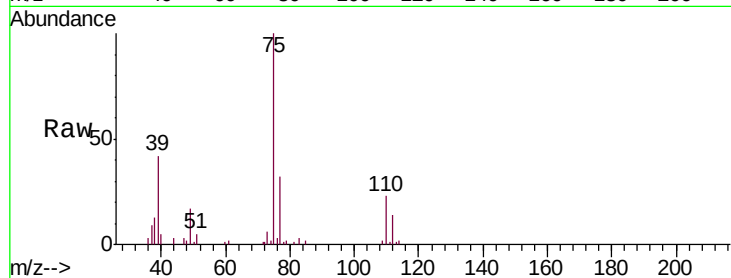




#39
 cis-1,3-Dichloropropene
 Concen: 4.547 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VU033689.D
 Acq: 09 Aug 2019 17:26

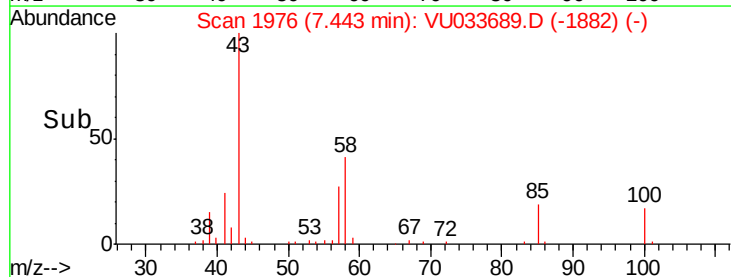
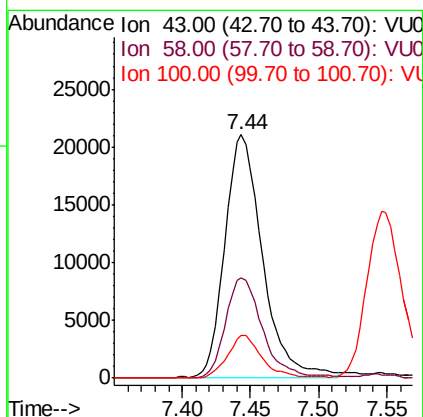
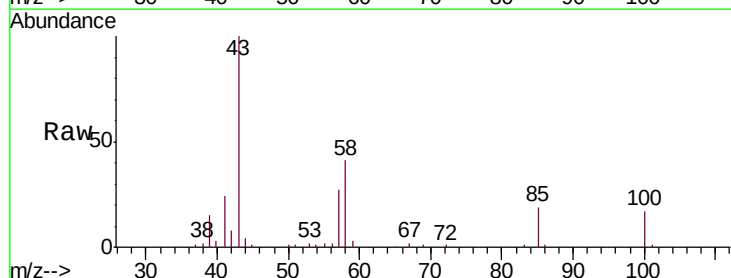
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00532

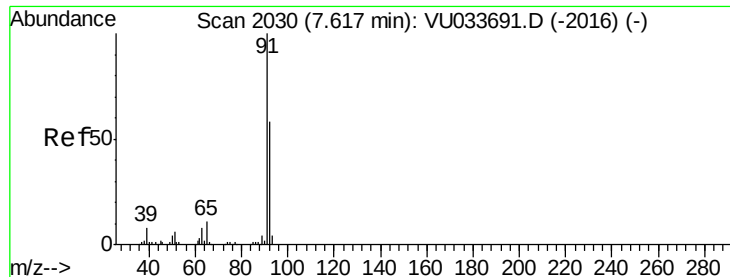
Tgt Ion: 75 Resp: 21854
 Ion Ratio Lower Upper
 75 100
 77 31.5 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 8.629 ug/L
 RT: 7.44 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VU033689.D
 Acq: 09 Aug 2019 17:26

Tgt Ion: 43 Resp: 40607
 Ion Ratio Lower Upper
 43 100
 58 39.9 33.4 50.0
 100 15.8 13.2 19.8





#42

Toluene

Concen: 4.537 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU033689.D

Acq: 09 Aug 2019 17:26

Instrument :

MSVOA_U

ClientSampleId :

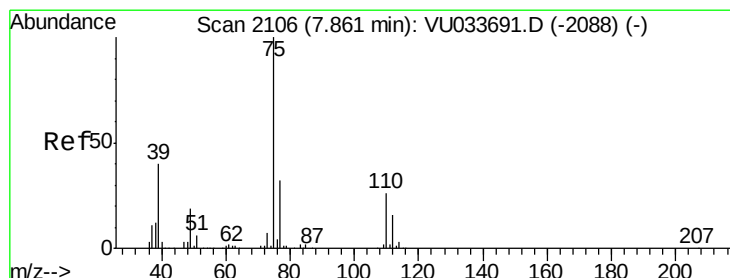
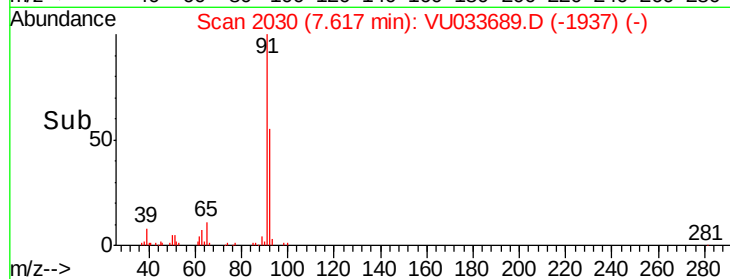
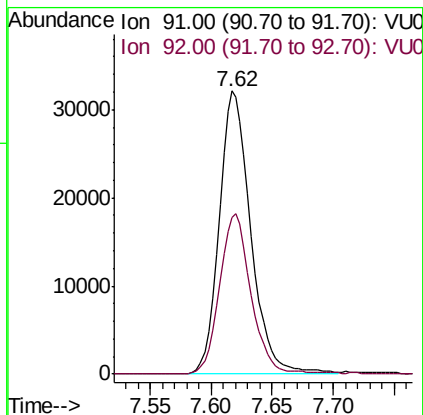
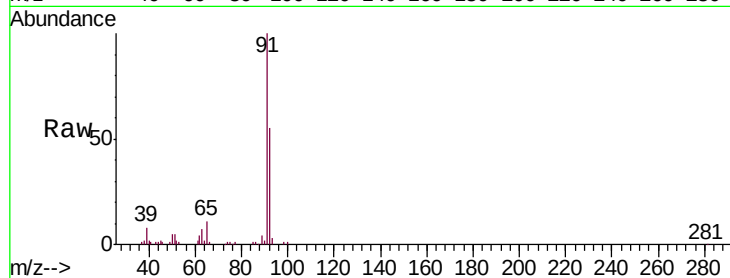
VSTD00532

Tgt Ion: 91 Resp: 58353

Ion Ratio Lower Upper

91 100

92 55.3 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 4.185 ug/L

RT: 7.86 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VU033689.D

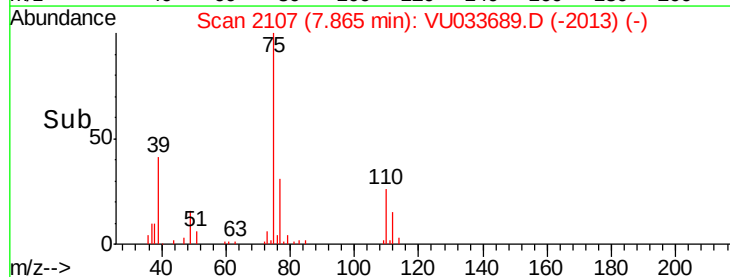
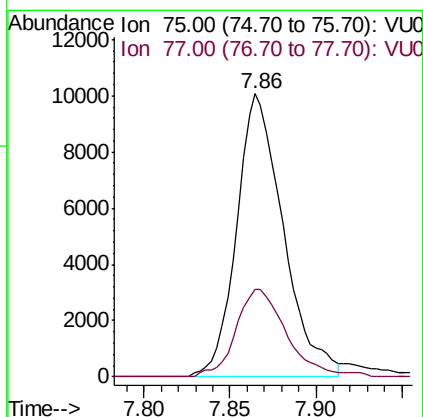
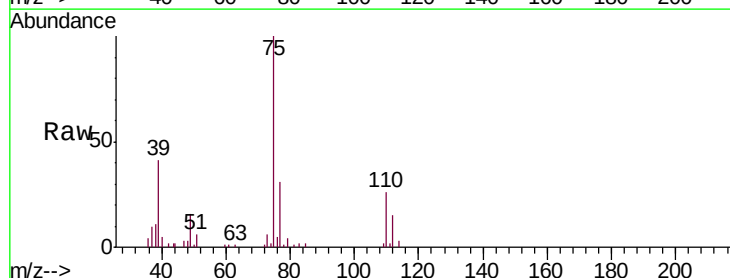
Acq: 09 Aug 2019 17:26

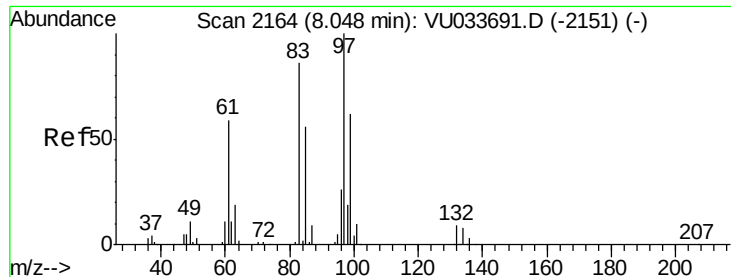
Tgt Ion: 75 Resp: 19005

Ion Ratio Lower Upper

75 100

77 30.7 22.4 41.6

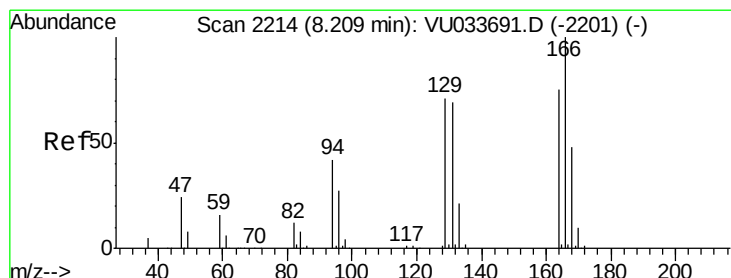
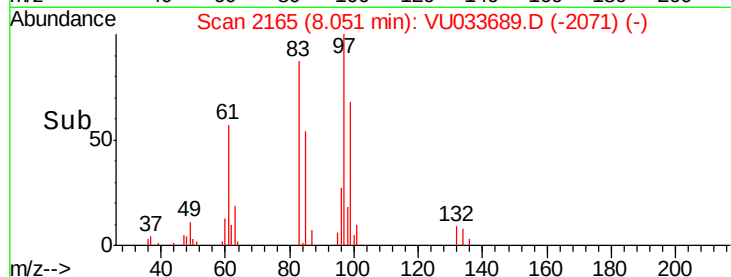
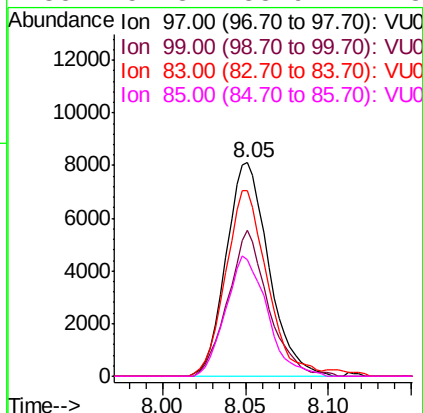
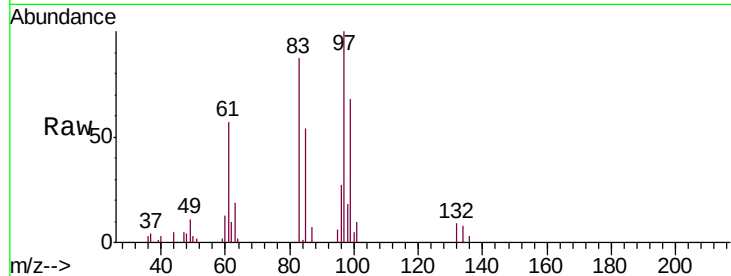




#45
 1,1,2-Trichloroethane
 Concen: 4.669 ug/L
 RT: 8.05 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VU033689.D
 Acq: 09 Aug 2019 17:26

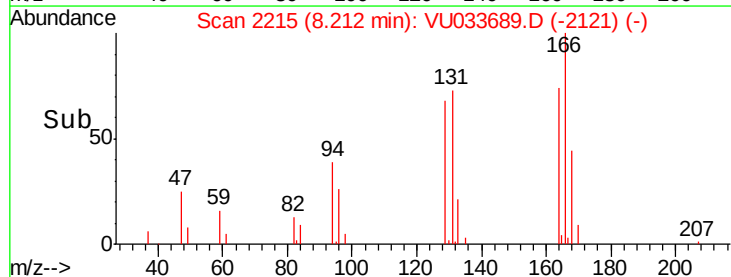
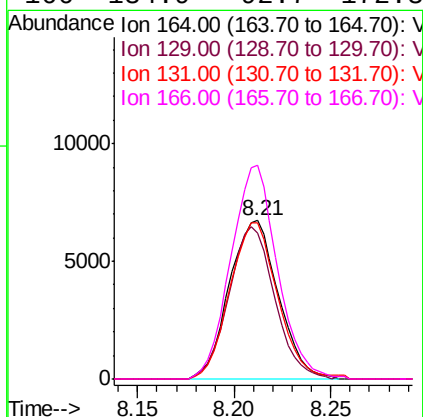
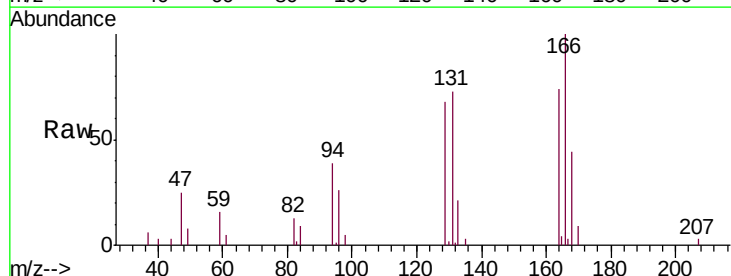
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00532

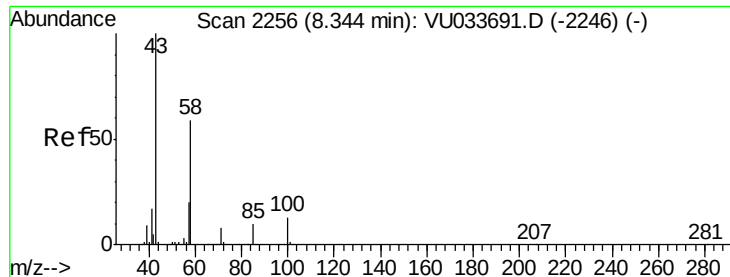
Tgt Ion:	97	Resp:	14473
Ion	Ratio	Lower	Upper
97	100		
99	68.3	43.3	80.5
83	87.2	60.5	112.5
85	54.3	38.9	72.3



#46
 Tetrachloroethene
 Concen: 4.725 ug/L
 RT: 8.21 min Scan# 2215
 Delta R.T. 0.00 min
 Lab File: VU033689.D
 Acq: 09 Aug 2019 17:26

Tgt Ion:	164	Resp:	11899
Ion	Ratio	Lower	Upper
164	100		
129	92.2	65.5	121.7
131	98.3	63.6	118.0
166	134.9	92.7	172.3

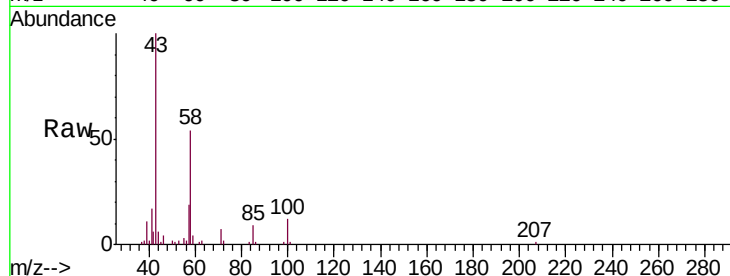




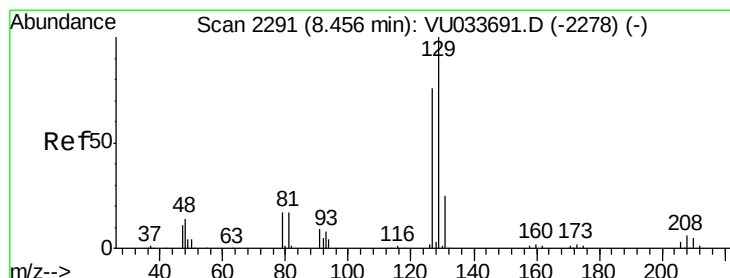
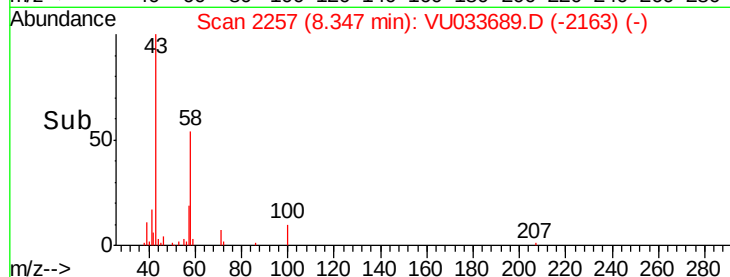
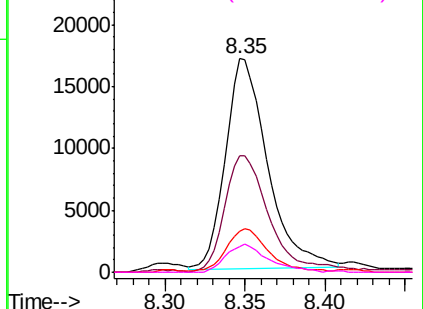
#48
2-Hexanone
Concen: 7.909 ug/L
RT: 8.35 min Scan# 2257
Delta R.T. 0.00 min
Lab File: VU033689.D
Acq: 09 Aug 2019 17:26

Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

Tgt Ion:	43	Resp:	30484
Ion	Ratio	Lower	Upper
43	100		
58	59.6	46.6	70.0
57	19.7	16.2	24.4
100	13.2	10.1	15.1

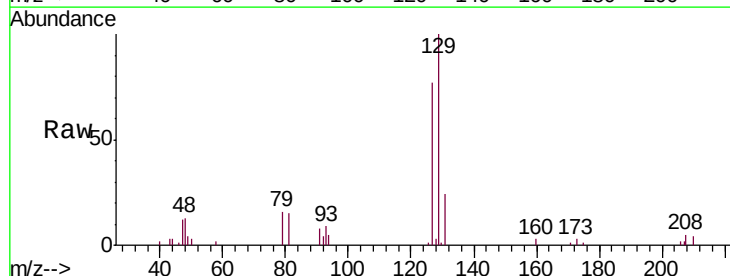


Abundance Ion 43.00 (42.70 to 43.70): VU033689.D (-2163) (-)
Ion 58.00 (57.70 to 58.70): VU033689.D (-2163) (-)
Ion 57.00 (56.70 to 57.70): VU033689.D (-2163) (-)
Ion 100.00 (99.70 to 100.70): VU033689.D (-2163) (-)

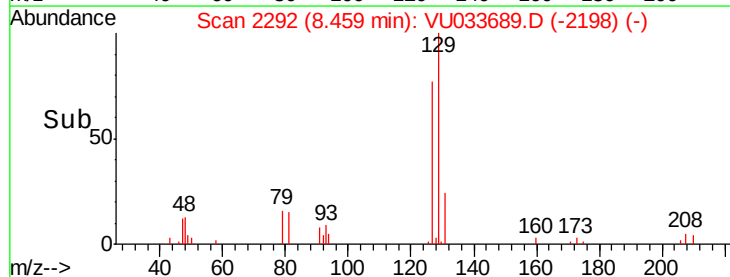
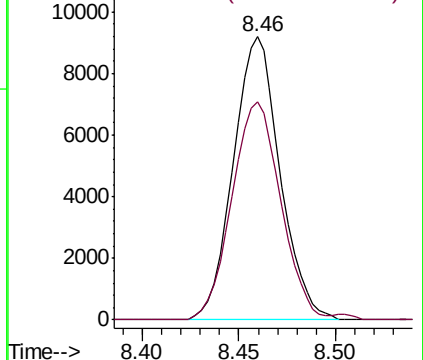


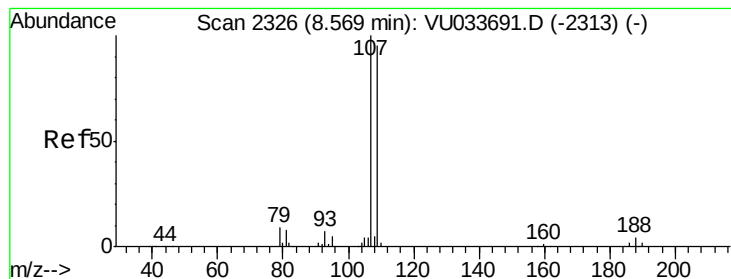
#49
Dibromochloromethane
Concen: 4.374 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033689.D
Acq: 09 Aug 2019 17:26

Tgt Ion:	129	Resp:	15437
Ion	Ratio	Lower	Upper
129	100		
127	76.9	53.3	98.9



Abundance Ion 129.00 (128.70 to 129.70): VU033689.D (-2198) (-)
Ion 127.00 (126.70 to 127.70): VU033689.D (-2198) (-)





#50

1,2-Dibromoethane

Concen: 4.707 ug/L

RT: 8.57 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VU033689.D

Acq: 09 Aug 2019 17:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00532

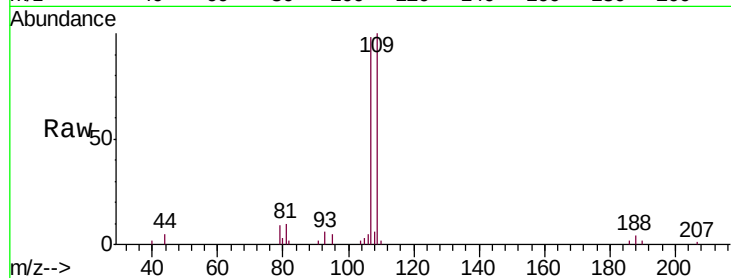
Tgt Ion:107 Resp: 15852

Ion Ratio Lower Upper

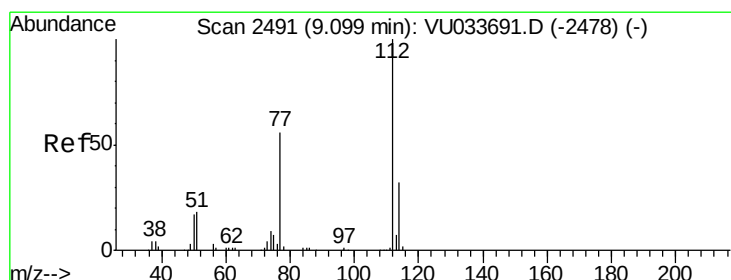
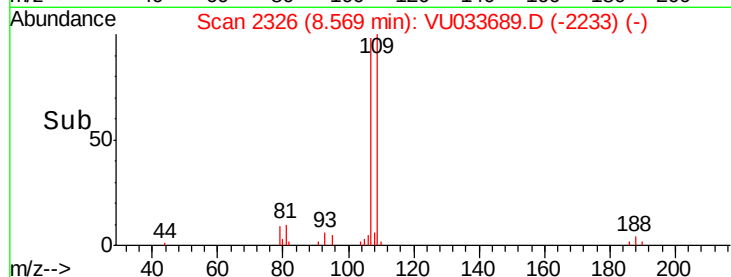
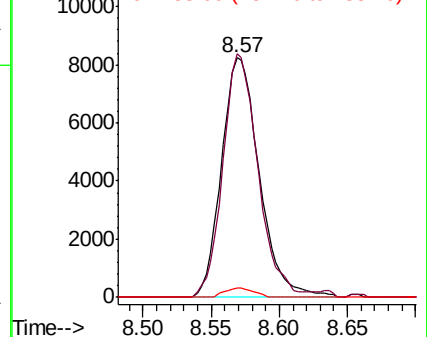
107 100

109 101.7 66.4 123.4

188 4.1 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: 4.707 ug/L

RT: 9.10 min Scan# 2492

Delta R.T. 0.00 min

Lab File: VU033689.D

Acq: 09 Aug 2019 17:26

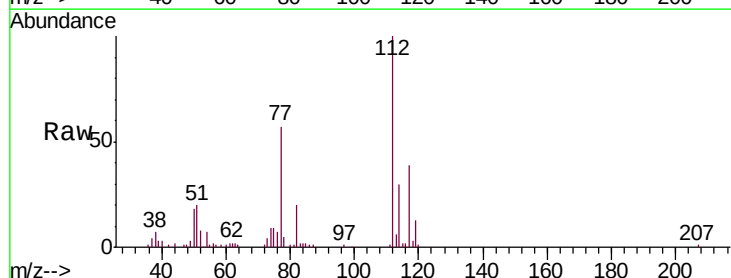
Tgt Ion:112 Resp: 39809

Ion Ratio Lower Upper

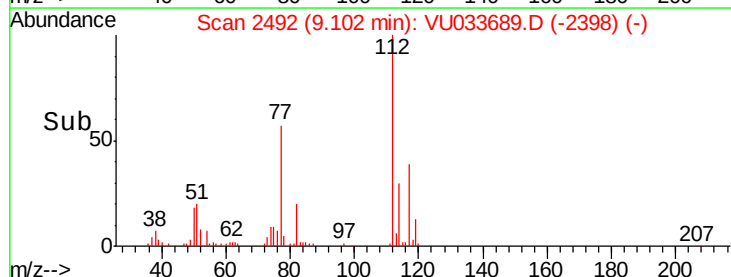
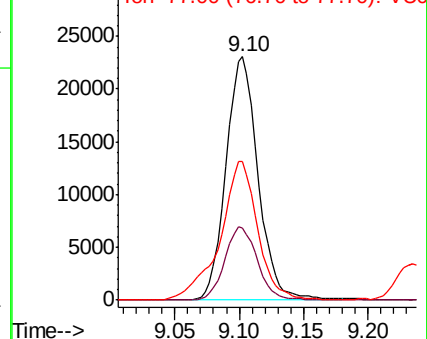
112 100

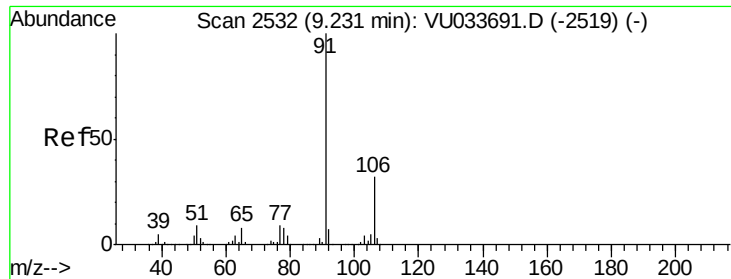
114 29.5 22.5 41.9

77 56.8 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: 4.523 ug/L

RT: 9.23 min Scan# 2533

Delta R.T. 0.00 min

Lab File: VU033689.D

Acq: 09 Aug 2019 17:26

Instrument :

MSVOA_U

ClientSampleId :

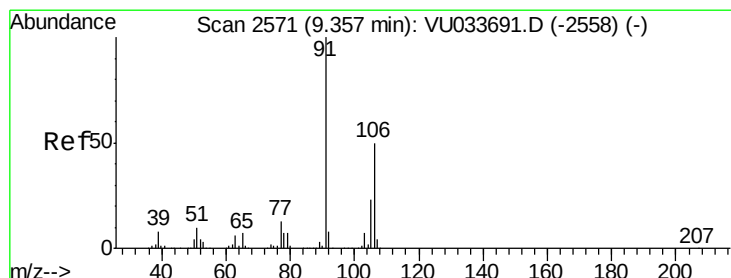
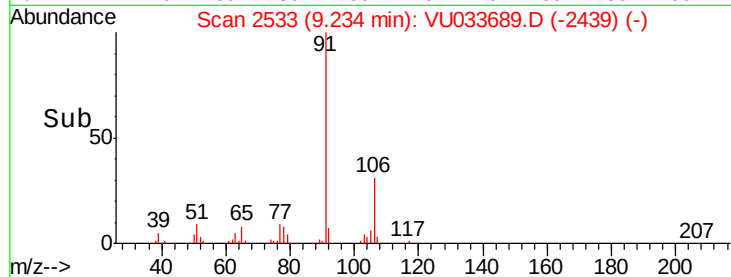
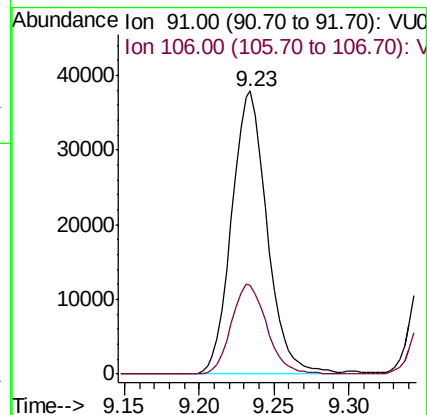
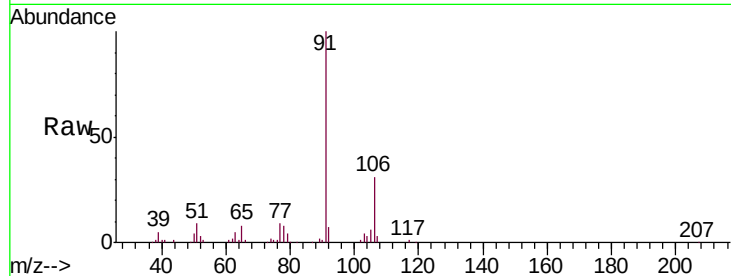
VSTD00532

Tgt Ion: 91 Resp: 62672

Ion Ratio Lower Upper

91 100

106 31.2 22.5 41.7



#53

m,p-Xylene

Concen: 4.524 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. 0.00 min

Lab File: VU033689.D

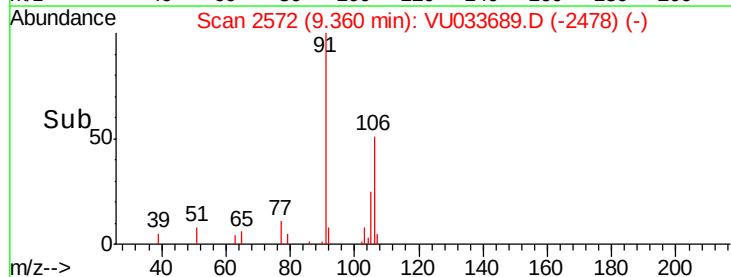
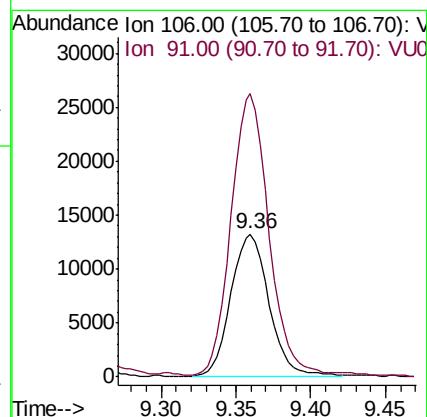
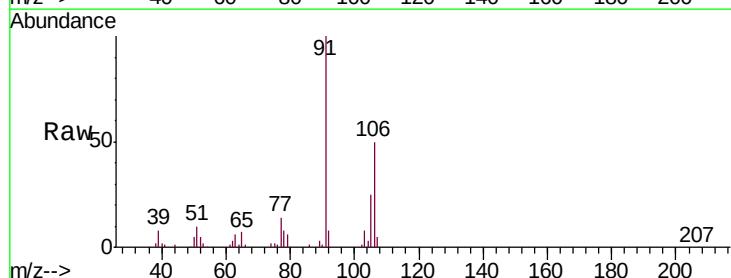
Acq: 09 Aug 2019 17:26

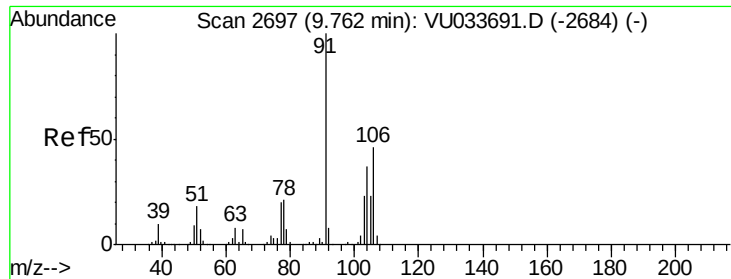
Tgt Ion: 106 Resp: 23729

Ion Ratio Lower Upper

106 100

91 198.4 138.8 257.8

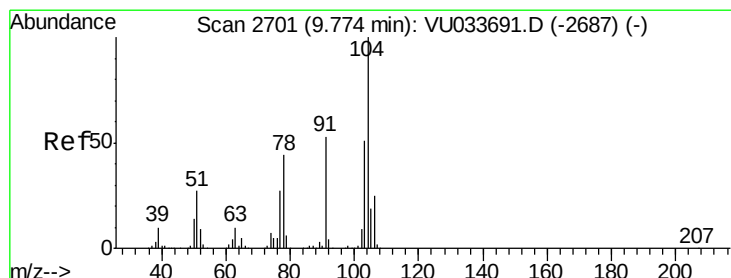
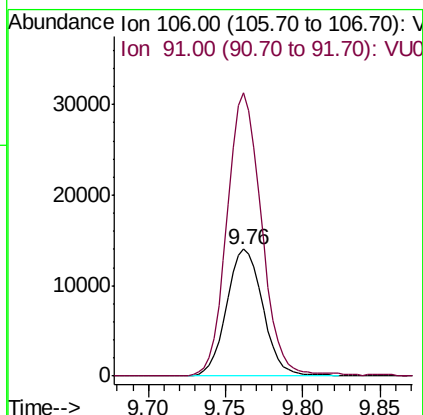
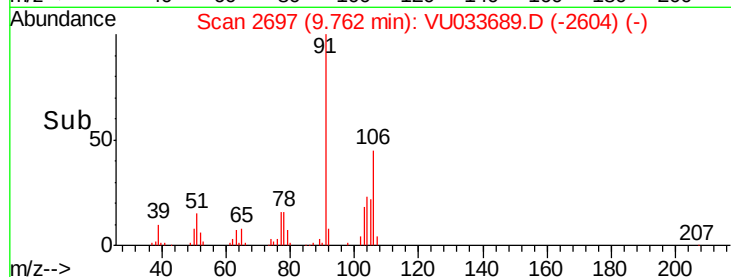
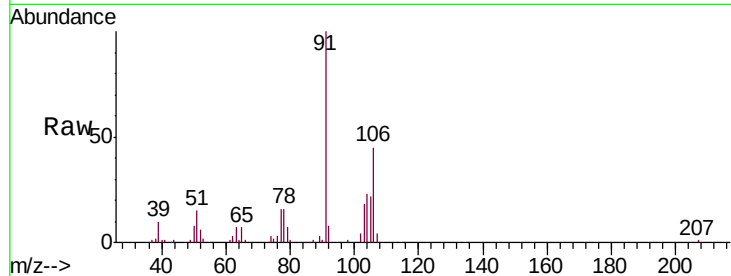




#54
o-xylene
Concen: 4.390 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. -0.00 min
Lab File: VU033689.D
Acq: 09 Aug 2019 17:26

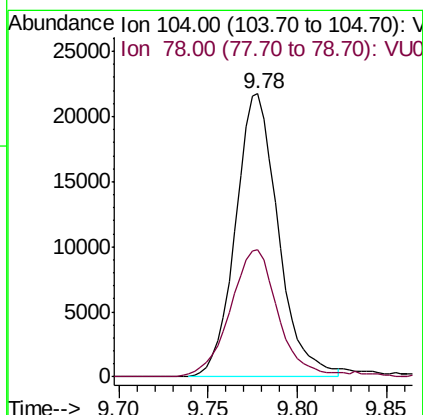
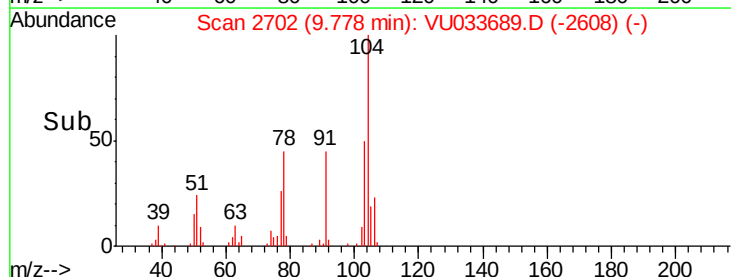
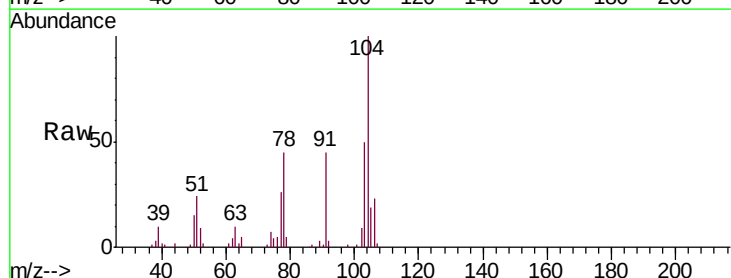
Instrument :
MSVOA_U
ClientSampleId :
VSTD00532

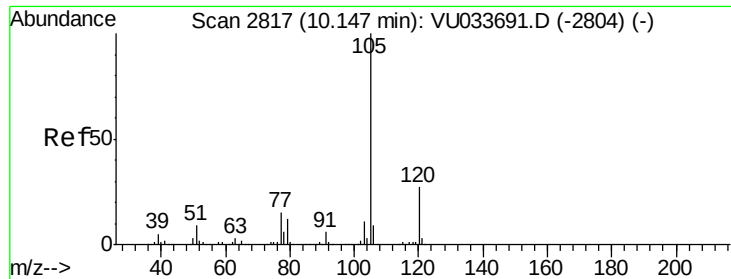
Tgt Ion:106 Resp: 22856
Ion Ratio Lower Upper
106 100
91 223.0 150.9 280.3



#55
Styrene
Concen: 4.105 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU033689.D
Acq: 09 Aug 2019 17:26

Tgt Ion:104 Resp: 36290
Ion Ratio Lower Upper
104 100
78 44.9 31.0 57.6





#56

Isopropylbenzene

Concen: 4.500 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. 0.00 min

Lab File: VU033689.D

Acq: 09 Aug 2019 17:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00532

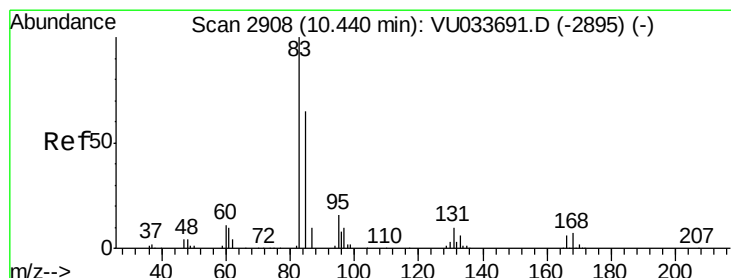
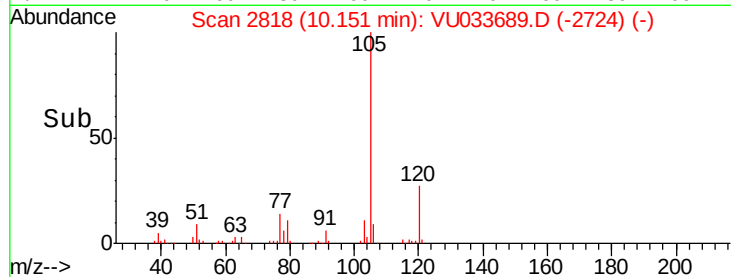
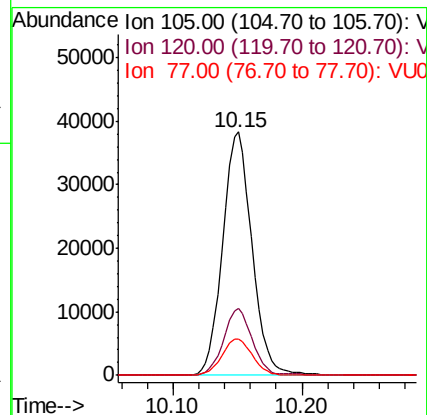
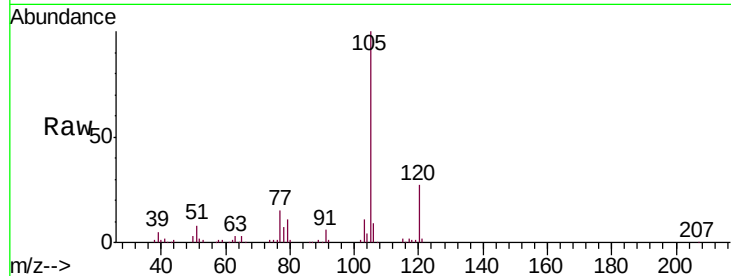
Tgt Ion: 105 Resp: 60490

Ion Ratio Lower Upper

105 100

120 26.5 21.6 32.4

77 15.3 12.3 18.5



#58

1,1,2,2-Tetrachloroethane

Concen: 4.474 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU033689.D

Acq: 09 Aug 2019 17:26

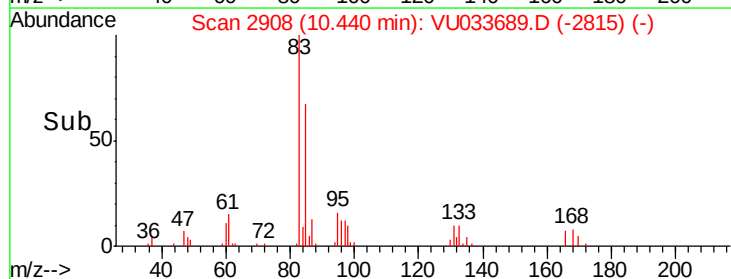
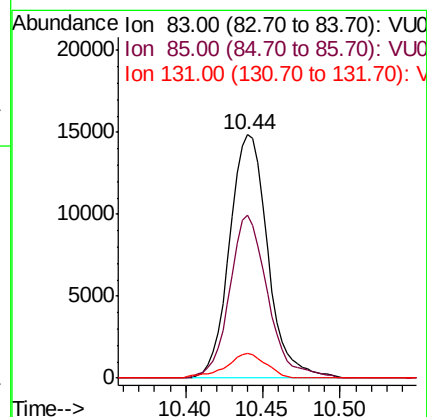
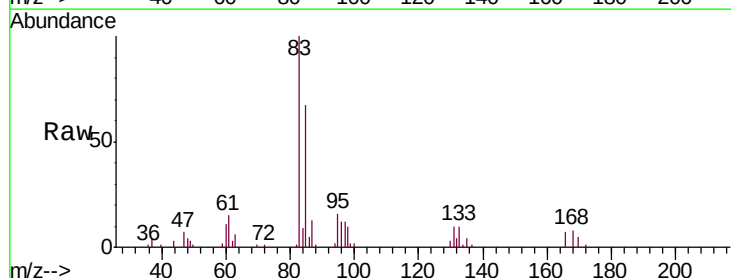
Tgt Ion: 83 Resp: 25464

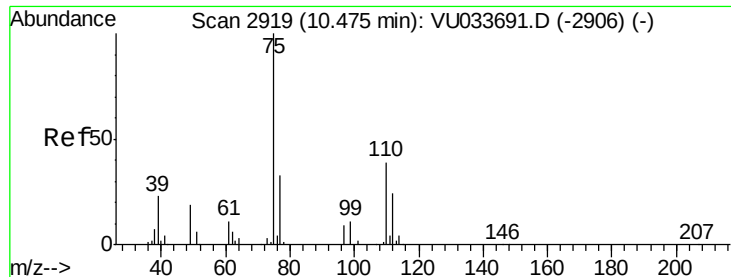
Ion Ratio Lower Upper

83 100

85 67.2 45.8 85.0

131 9.9 8.1 12.1

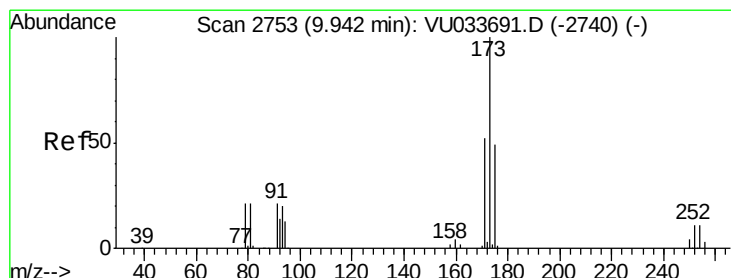
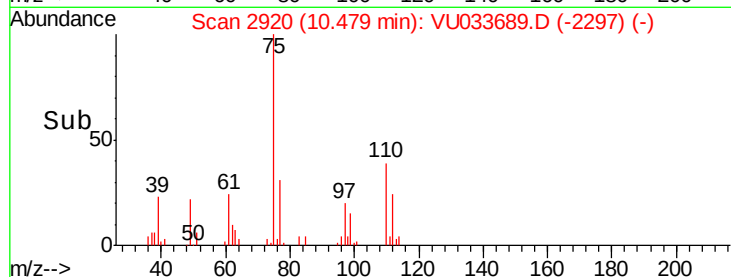
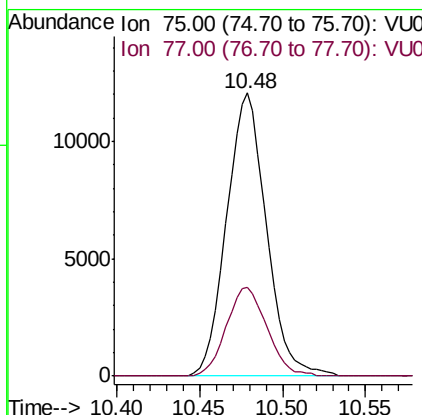
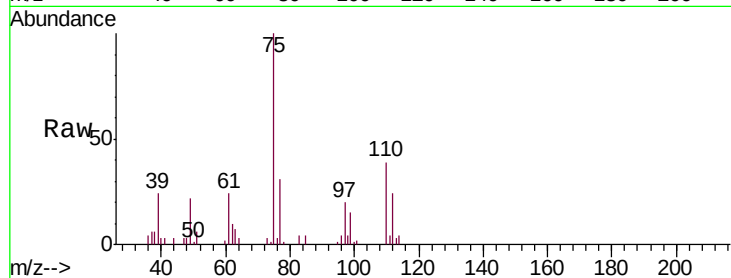




#59
 1,2,3-Trichloropropane
 Concen: 4.562 ug/L
 RT: 10.48 min Scan# 2920
 Delta R.T. 0.00 min
 Lab File: VU033689.D
 Acq: 09 Aug 2019 17:26

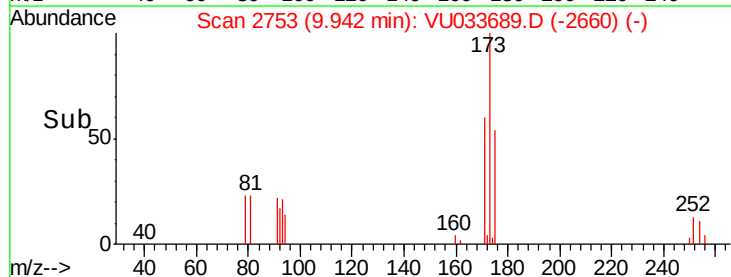
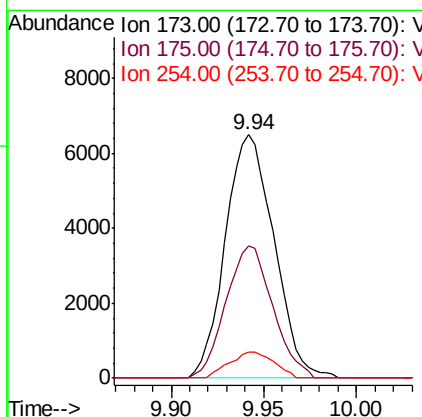
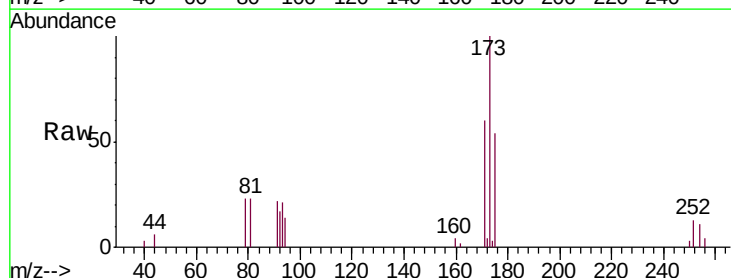
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00532

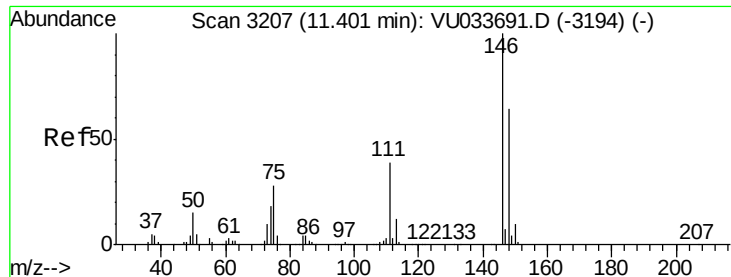
Tgt Ion: 75 Resp: 20119
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.4 39.6



#61
 Bromoform
 Concen: 4.387 ug/L
 RT: 9.94 min Scan# 2753
 Delta R.T. -0.00 min
 Lab File: VU033689.D
 Acq: 09 Aug 2019 17:26

Tgt Ion: 173 Resp: 11830
 Ion Ratio Lower Upper
 173 100
 175 52.2 39.8 59.8
 254 9.9 8.4 12.6

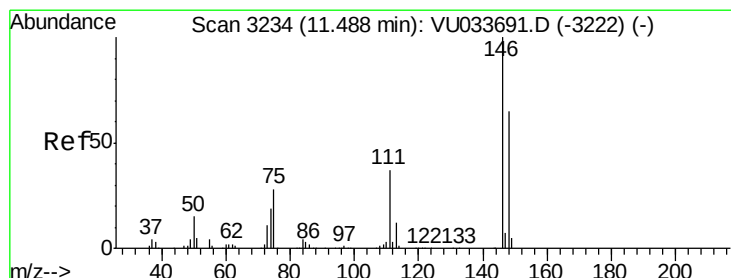
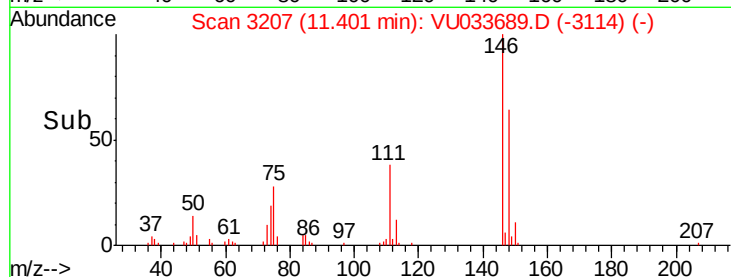
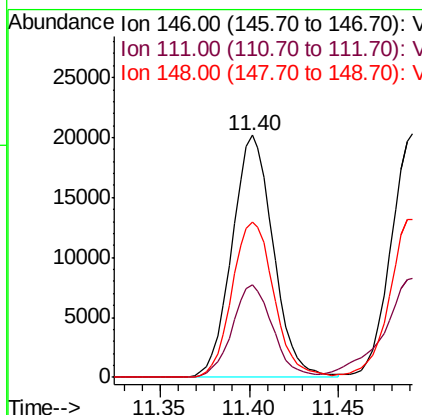
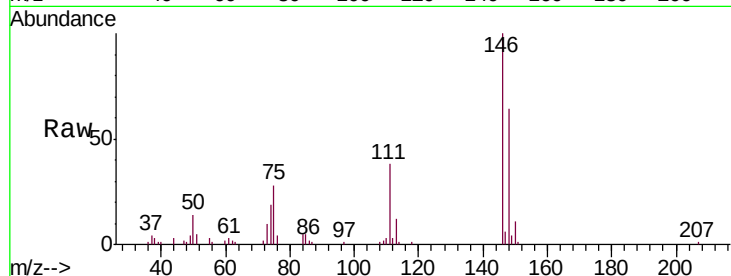




#62
 1,3-Dichlorobenzene
 Concen: 4.777 ug/L
 RT: 11.40 min Scan# 3207
 Delta R.T. -0.00 min
 Lab File: VU033689.D
 Acq: 09 Aug 2019 17:26

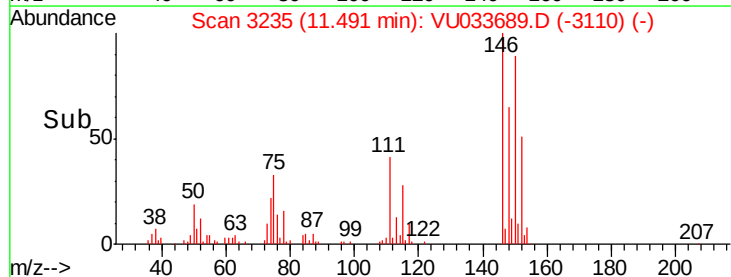
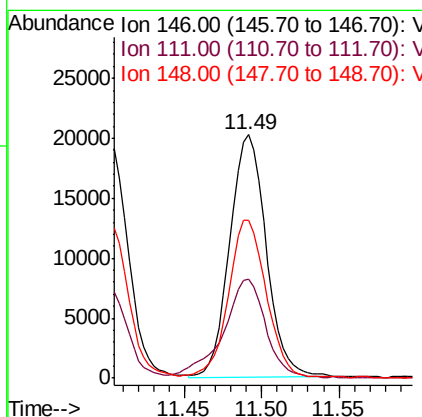
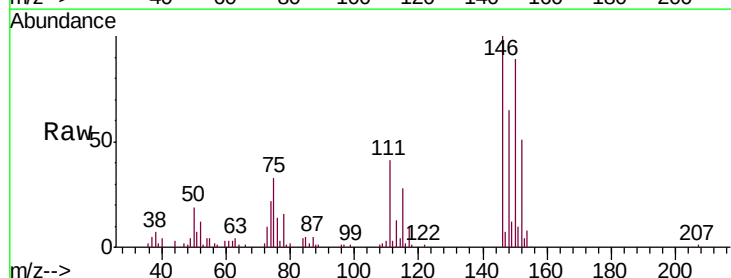
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00532

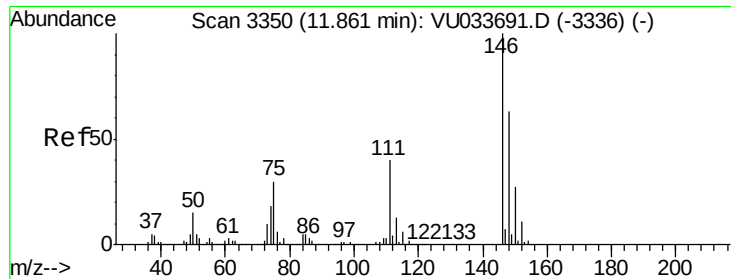
Tgt Ion:146 Resp: 32416
 Ion Ratio Lower Upper
 146 100
 111 38.1 27.0 50.2
 148 64.0 44.7 82.9



#63
 1,4-Dichlorobenzene
 Concen: 4.675 ug/L
 RT: 11.49 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU033689.D
 Acq: 09 Aug 2019 17:26

Tgt Ion:146 Resp: 32814
 Ion Ratio Lower Upper
 146 100
 111 40.6 26.0 48.4
 148 64.7 45.3 84.1

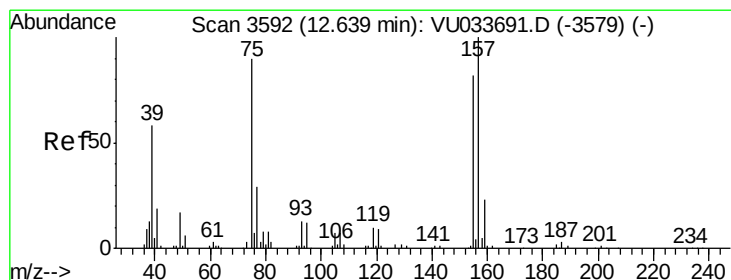
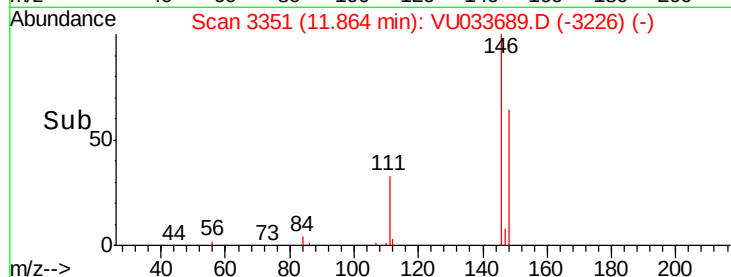
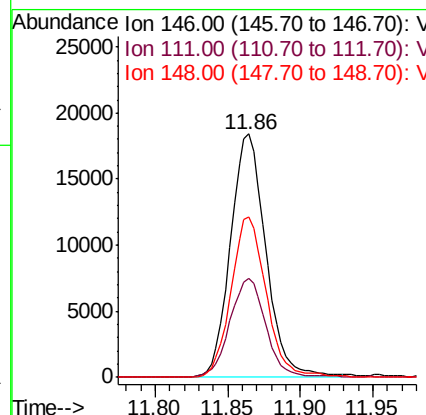
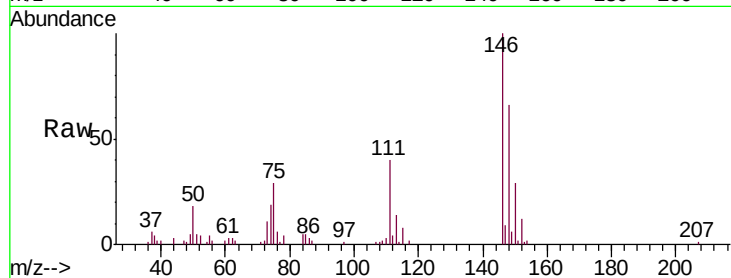




#65
 1,2-Dichlorobenzene
 Concen: 4.552 ug/L
 RT: 11.86 min Scan# 3351
 Delta R.T. 0.00 min
 Lab File: VU033689.D
 Acq: 09 Aug 2019 17:26

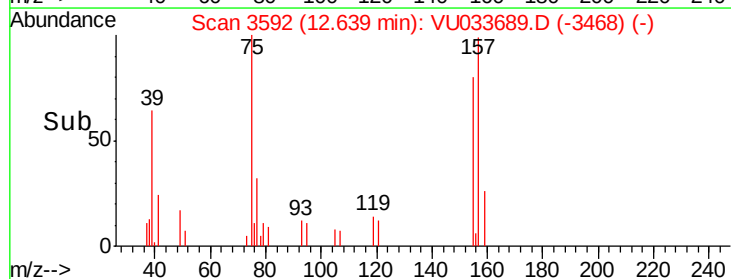
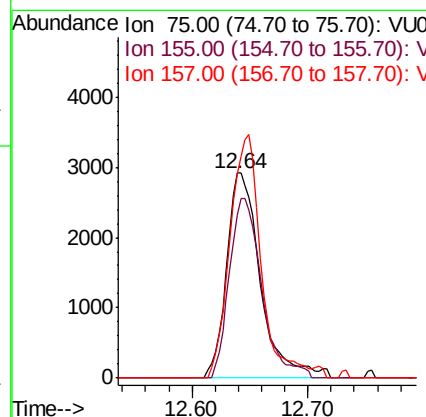
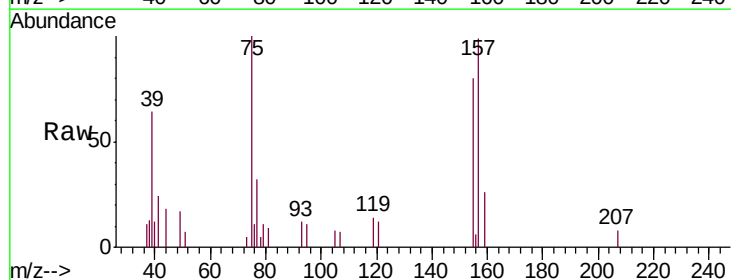
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00532

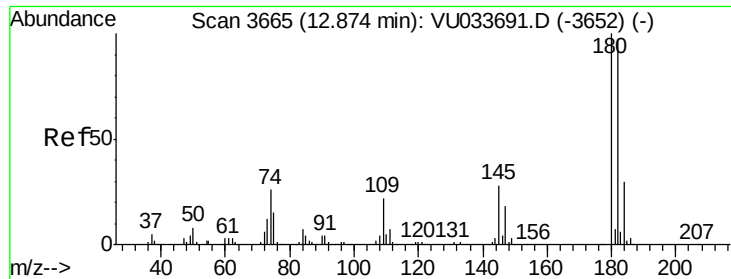
Tgt Ion: 146 Resp: 31204
 Ion Ratio Lower Upper
 146 100
 111 40.4 32.2 48.2
 148 65.9 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.592 ug/L
 RT: 12.64 min Scan# 3592
 Delta R.T. -0.00 min
 Lab File: VU033689.D
 Acq: 09 Aug 2019 17:26

Tgt Ion: 75 Resp: 5877
 Ion Ratio Lower Upper
 75 100
 155 79.6 72.7 109.1
 157 99.4 88.6 132.8





#67

1,3,5-Trichlorobenzene

Concen: 4.757 ug/L

RT: 12.87 min Scan# 3665

Delta R.T. -0.00 min

Lab File: VU033689.D

Acq: 09 Aug 2019 17:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00532

Tgt Ion:180 Resp: 24658

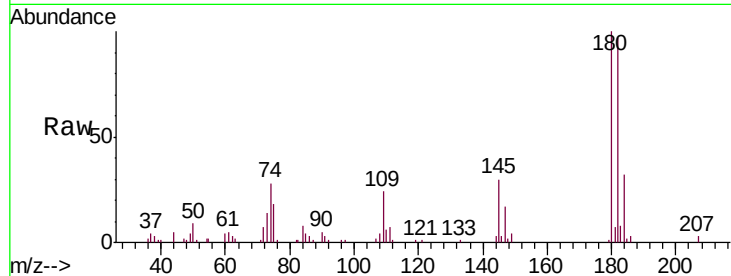
Ion Ratio Lower Upper

180 100

182 95.6 76.5 114.7

184 31.1 24.2 36.2

145 28.8 22.3 33.5

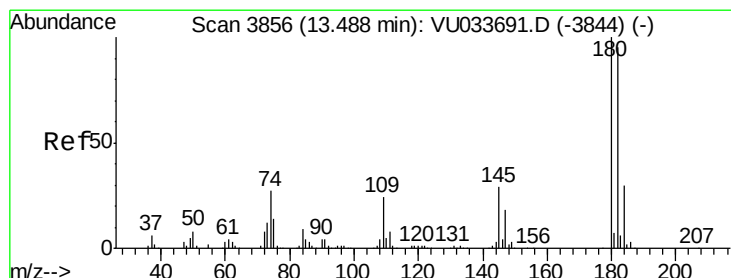
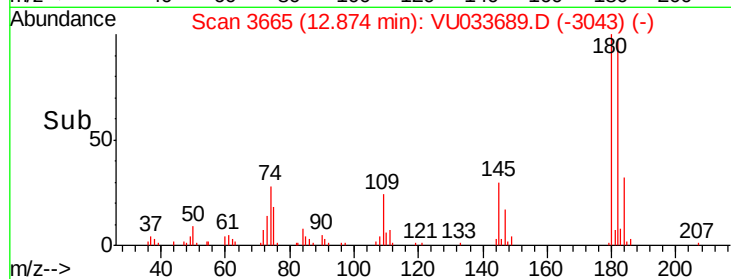
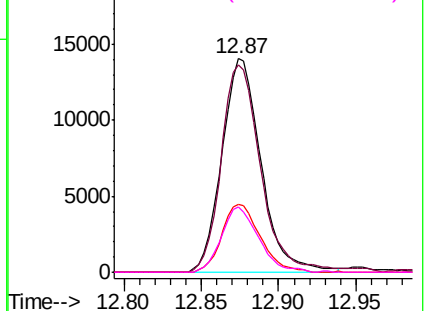


Abundance Ion 180.00 (179.70 to 180.70): V

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: 4.884 ug/L

RT: 13.49 min Scan# 3857

Delta R.T. 0.00 min

Lab File: VU033689.D

Acq: 09 Aug 2019 17:26

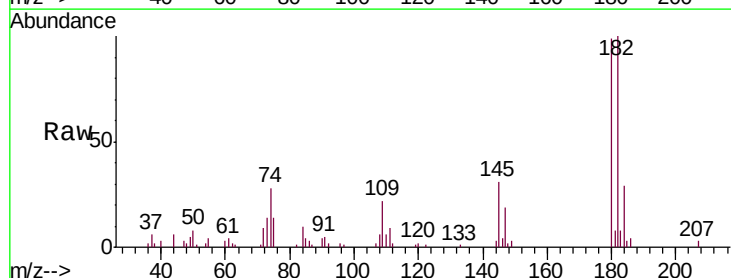
Tgt Ion:180 Resp: 21334

Ion Ratio Lower Upper

180 100

182 94.6 78.2 117.4

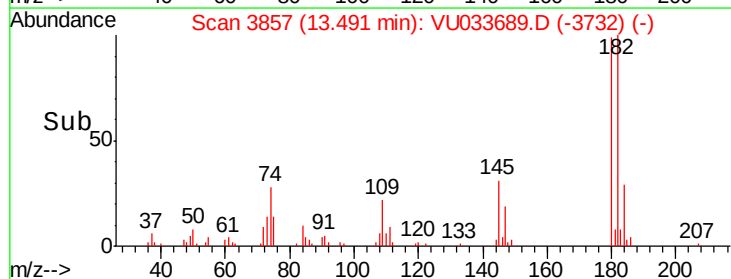
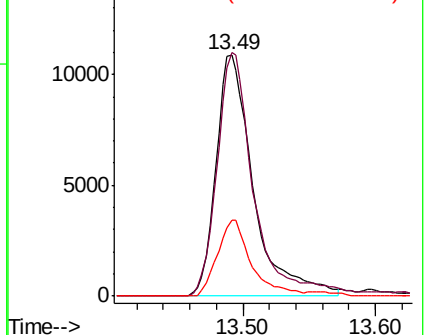
145 28.5 23.5 35.3

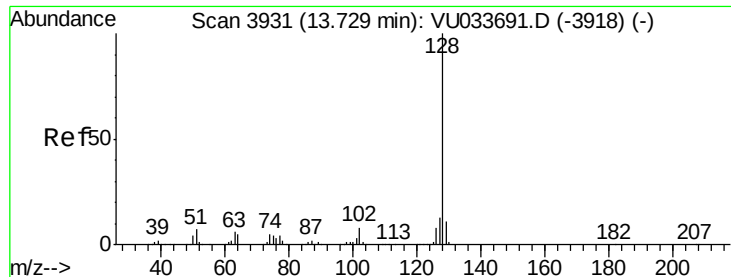


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 4.621 ug/L

RT: 13.73 min Scan# 3932

Delta R.T. 0.00 min

Lab File: VU033689.D

Acq: 09 Aug 2019 17:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00532

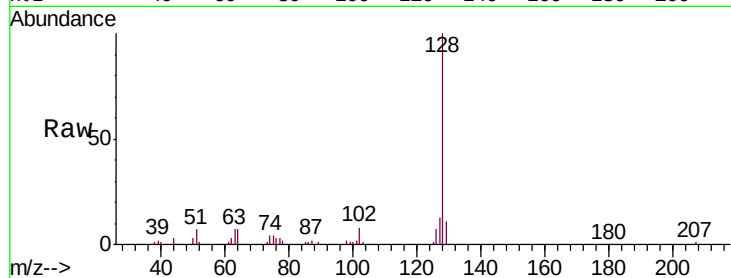
Tgt Ion:128 Resp: 59114

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

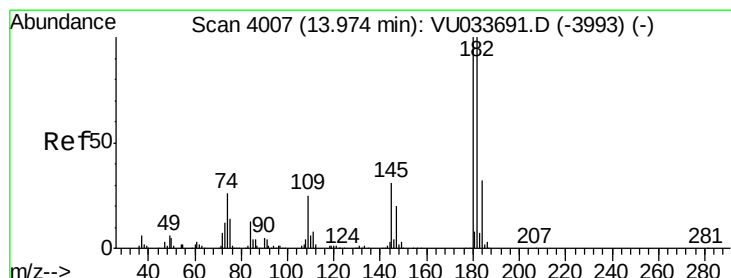
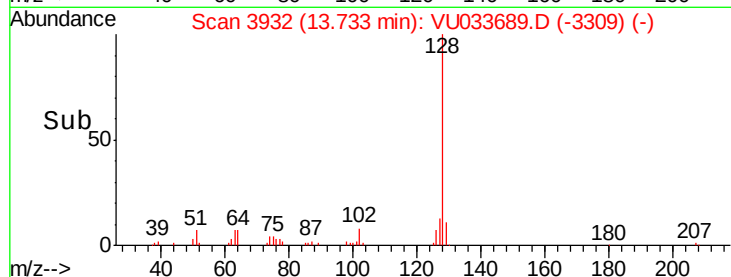
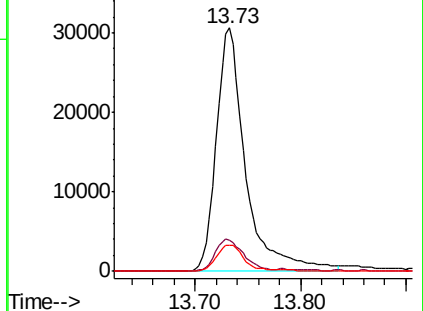
129 10.1 8.6 13.0



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: 5.162 ug/L

RT: 13.98 min Scan# 4008

Delta R.T. 0.00 min

Lab File: VU033689.D

Acq: 09 Aug 2019 17:26

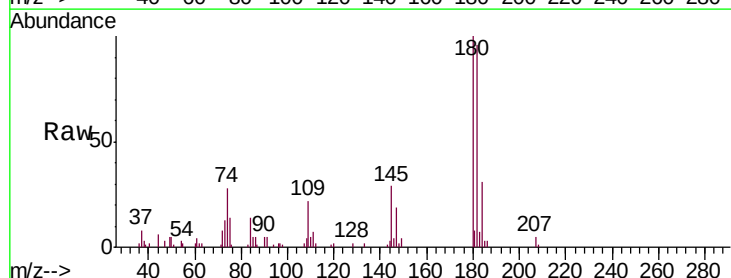
Tgt Ion:180 Resp: 23371

Ion Ratio Lower Upper

180 100

182 92.4 78.5 117.7

145 28.5 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

