

Data File : VU033692.D
Acq On : 09 Aug 2019 18:36
Operator : JC/SP
Sample : VSTD10035
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD10035

Quant Time: Aug 10 03:53:40 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	414918	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	398137	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	216387	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	311987	71.86	ug/L	0.00
7) Chloroethane-d5	1.67	69	314768	84.43	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	522170	74.18	ug/L	0.00
21) 2-Butanone-d5	4.15	46	418098	134.41	ug/L	0.00
24) Chloroform-d	4.62	84	474400	66.62	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.28	65	289525	63.66	ug/L	0.00
32) Benzene-d6	5.31	84	971256	71.32	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	300831	69.61	ug/L	0.00
41) Toluene-d8	7.54	98	922143	73.15	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	155738	73.59	ug/L	0.00
47) 2-Hexanone-d5	8.29	63	336450	154.51	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	439208	65.10	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	367459	67.27	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	298196	82.012	ug/L	99
3) Chloromethane	1.32	50	306251	77.503	ug/L	100
5) Vinyl chloride	1.39	62	341111	79.853	ug/L	99
6) Bromomethane	1.62	94	357809	122.953	ug/L	100
8) Chloroethane	1.68	64	227824	82.987	ug/L	98
9) Trichlorofluoromethane	1.87	101	467049	82.221	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	249827	85.180	ug/L	100
12) 1,1-Dichloroethene	2.27	96	240545	85.394	ug/L	95
13) Acetone	2.31	43	346074	155.984	ug/L	98
14) Carbon disulfide	2.46	76	677981	81.206	ug/L	100
15) Methyl Acetate	2.60	43	312776	86.476	ug/L	100
16) Methylene chloride	2.68	84	277647	82.937	ug/L	98
17) trans-1,2-Dichloroethene	2.96	96	256483	87.094	ug/L	98
18) Methyl tert-butyl Ether	2.98	73	856364	92.023	ug/L	100
19) 1,1-Dichloroethane	3.42	63	484894	84.908	ug/L	100
20) cis-1,2-Dichloroethene	4.20	96	300163	90.292	ug/L	98
22) 2-Butanone	4.23	43	500293	178.784	ug/L	99
23) Bromochloromethane	4.52	128	156050	88.690	ug/L	99
25) Chloroform	4.65	83	502264	84.214	ug/L	99
27) 1,2-Dichloroethane	5.38	62	391004	84.340	ug/L	100
29) Cyclohexane	4.97	56	425988	95.801	ug/L	100
30) 1,1,1-Trichloroethane	4.89	97	432525	89.937	ug/L	99
31) Carbon tetrachloride	5.11	117	389866	91.915	ug/L	99
33) Benzene	5.37	78	1092833	90.350	ug/L	100
34) Trichloroethene	6.16	95	289648	92.869	ug/L	96
35) Methylcyclohexane	6.40	83	456884	96.122	ug/L	99
37) 1,2-Dichloropropane	6.41	63	293484	89.567	ug/L	100
38) Bromodichloromethane	6.74	83	382330	90.231	ug/L	97
39) cis-1,3-Dichloropropene	7.25	75	483584	99.547	ug/L	97
40) 4-Methyl-2-pentanone	7.44	43	909141	191.166	ug/L	100

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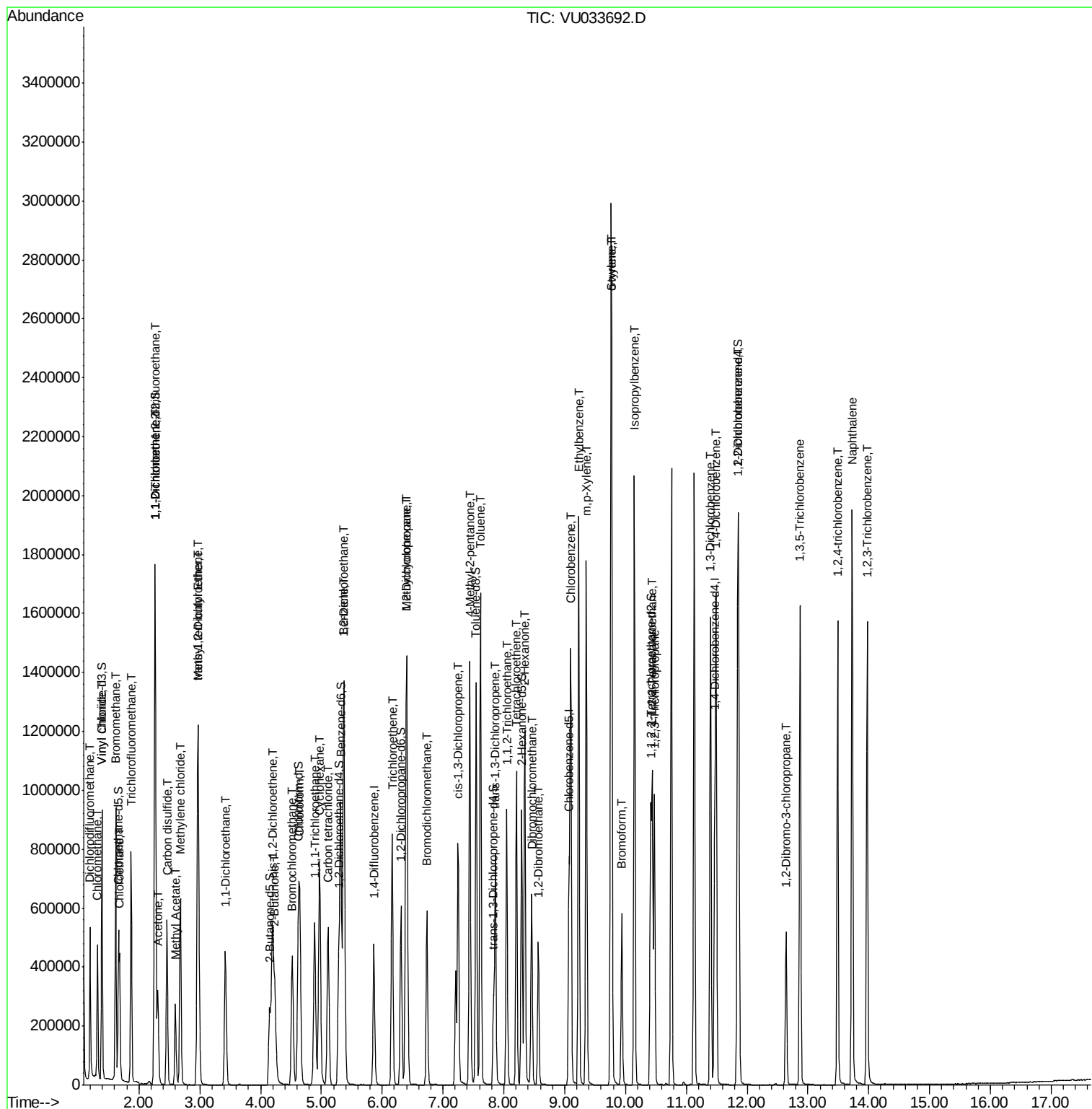
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	1209276	93.033	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	431115	93.928	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	287704	91.828	ug/L	99
46) Tetrachloroethene	8.21	164	242434	95.252	ug/L	97
48) 2-Hexanone	8.34	43	730002	187.400	ug/L	99
49) Dibromochloromethane	8.46	129	333350	93.468	ug/L	99
50) 1,2-Dibromoethane	8.57	107	321396	94.432	ug/L	98
51) Chlorobenzene	9.10	112	780905	91.354	ug/L	99
52) Ethylbenzene	9.23	91	1334431	95.295	ug/L	99
53) m,p-Xylene	9.36	106	511403	96.475	ug/L	99
54) o-xylene	9.76	106	504969	95.966	ug/L	97
55) Styrene	9.77	104	864029	96.711	ug/L	100
56) Isopropylbenzene	10.15	105	1325398	97.571	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.44	83	501485	87.181	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	397540	89.190	ug/L	98
61) Bromoform	9.94	173	265104	94.270	ug/L	98
62) 1,3-Dichlorobenzene	11.40	146	652166	92.151	ug/L	100
63) 1,4-Dichlorobenzene	11.49	146	655415	89.544	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	646804	90.475	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	125775	94.232	ug/L	97
67) 1,3,5-Trichlorobenzene	12.87	180	531202	98.264	ug/L	100
68) 1,2,4-trichlorobenzene	13.49	180	502440	110.297	ug/L	98
69) Naphthalene	13.73	128	1555905	116.641	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	507647	107.525	ug/L	98

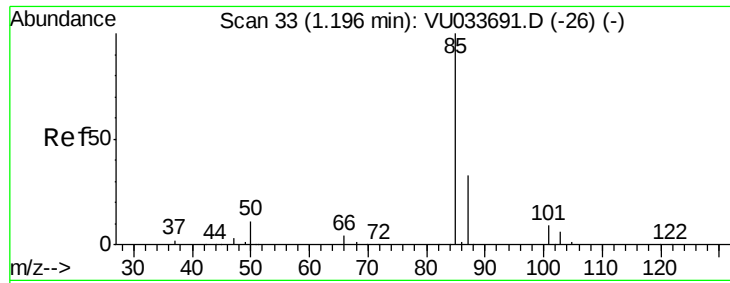
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 82.012 ug/L

RT: 1.20 min Scan# 33

Delta R.T. 0.00 min

Lab File: VU033692.D

Acq: 09 Aug 2019 18:36

Instrument :

MSVOA_U

ClientSampleId :

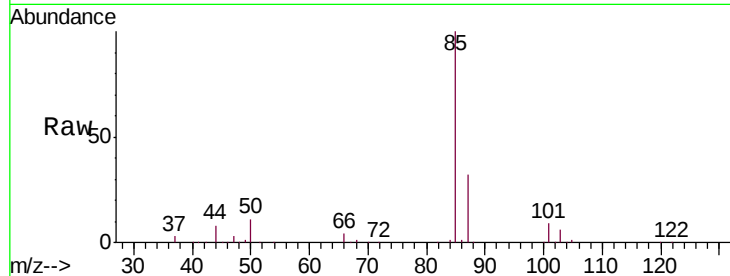
VSTD10035

Tgt Ion: 85 Resp: 298196

Ion Ratio Lower Upper

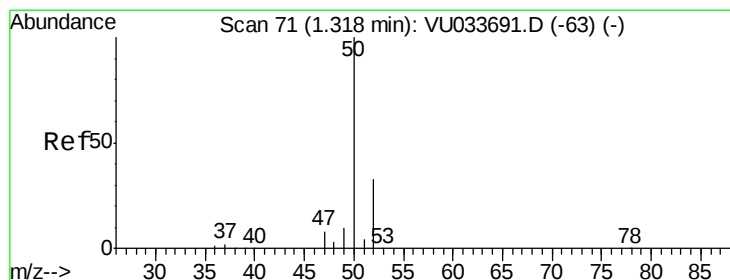
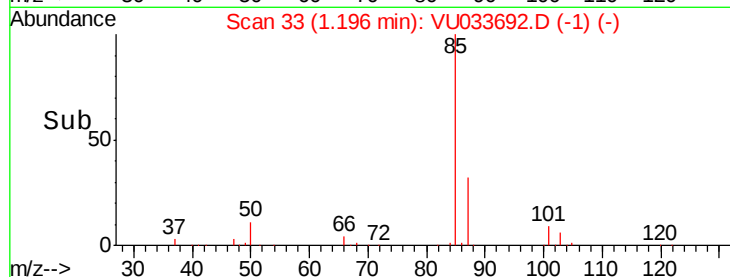
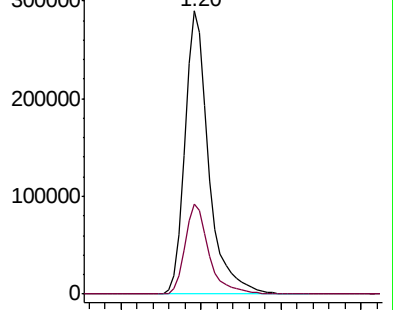
85 100

87 32.1 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VU033692.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU033692.D (-1) (-)



#3

Chloromethane

Concen: 77.503 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU033692.D

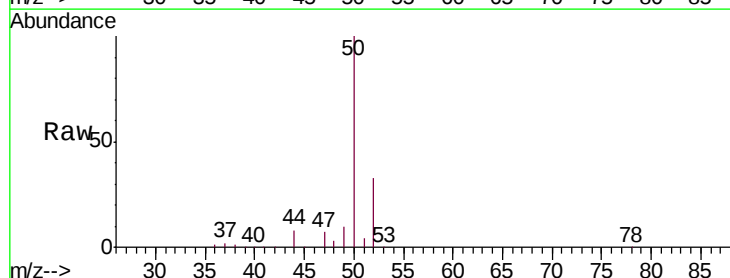
Acq: 09 Aug 2019 18:36

Tgt Ion: 50 Resp: 306251

Ion Ratio Lower Upper

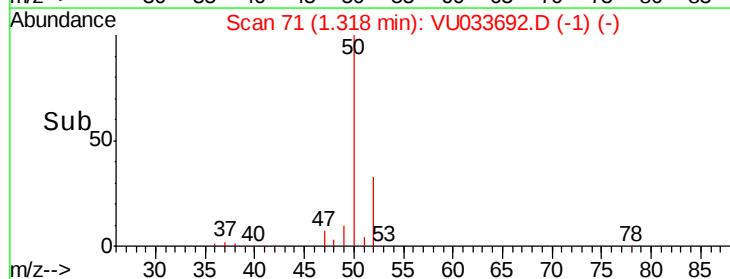
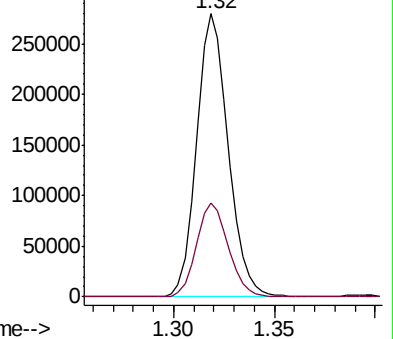
50 100

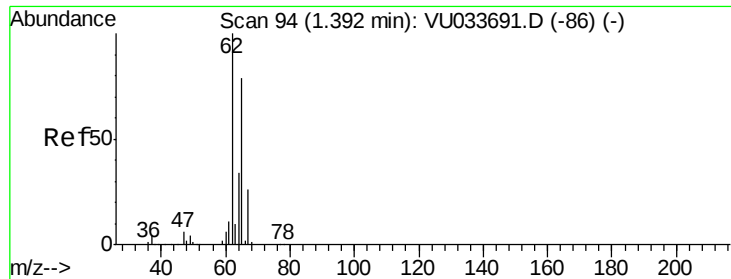
52 33.0 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VU033692.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU033692.D (-1) (-)





#5

Vinyl chloride

Concen: 79.853 ug/L

RT: 1.39 min Scan# 94

Delta R.T. 0.00 min

Lab File: VU033692.D

Acq: 09 Aug 2019 18:36

Instrument :

MSVOA_U

ClientSampleId :

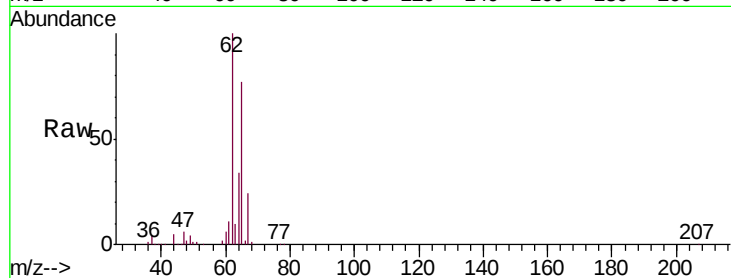
VSTD10035

Tgt Ion: 62 Resp: 341111

Ion Ratio Lower Upper

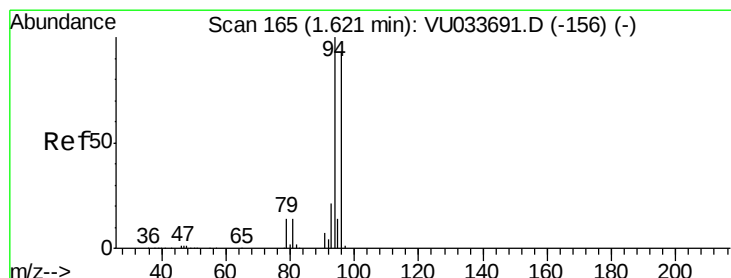
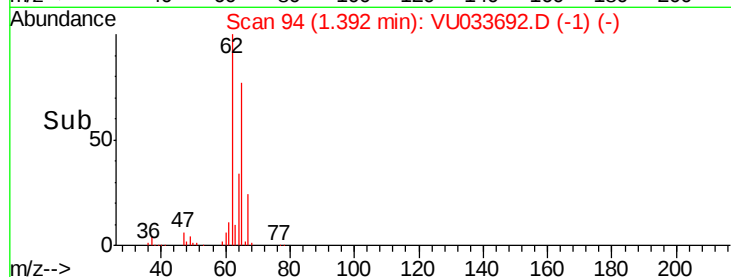
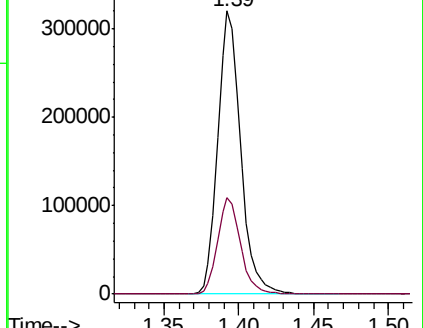
62 100

64 34.2 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU033692.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU033692.D (-1) (-)



#6

Bromomethane

Concen: 122.953 ug/L

RT: 1.62 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU033692.D

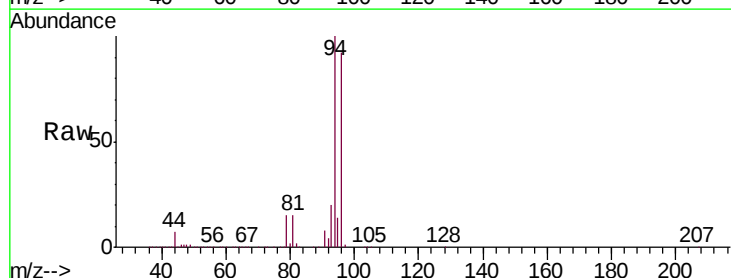
Acq: 09 Aug 2019 18:36

Tgt Ion: 94 Resp: 357809

Ion Ratio Lower Upper

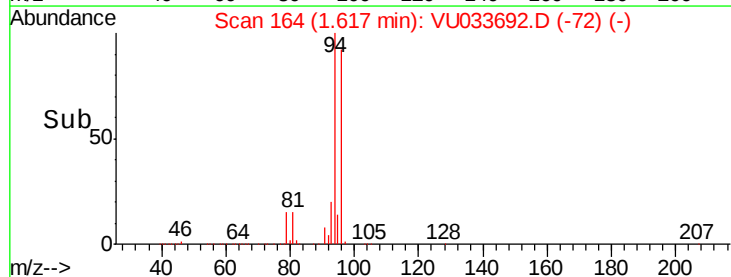
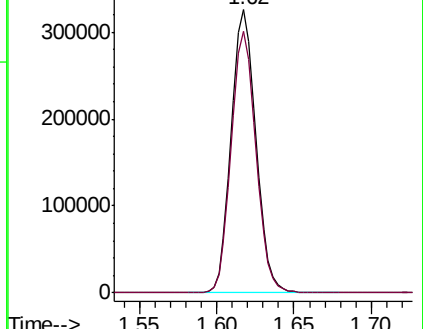
94 100

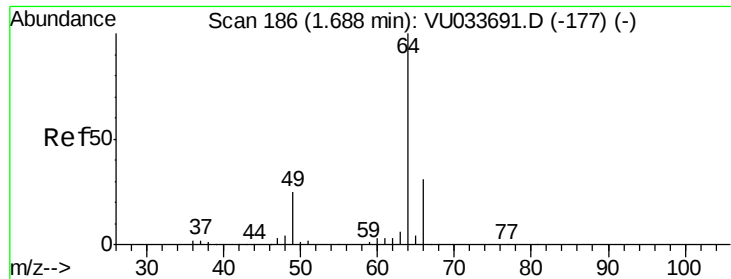
96 92.4 65.0 120.6



Abundance Ion 94.00 (93.70 to 94.70): VU033692.D (-72) (-)

Ion 96.00 (95.70 to 96.70): VU033692.D (-72) (-)





#8

Chloroethane

Concen: 82.987 ug/L

RT: 1.68 min Scan# 185

Delta R.T. -0.00 min

Lab File: VU033692.D

Acq: 09 Aug 2019 18:36

Instrument :

MSVOA_U

ClientSampleId :

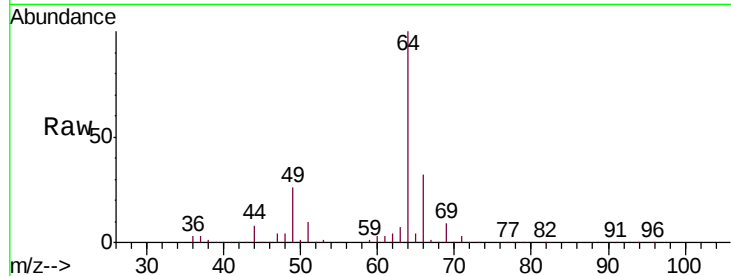
VSTD10035

Tgt Ion: 64 Resp: 227824

Ion Ratio Lower Upper

64 100

66 32.5 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) (-)

1.68

200000

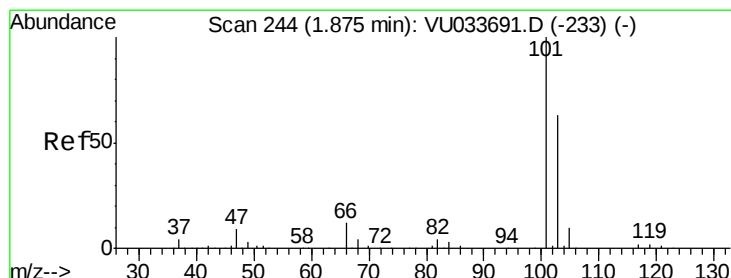
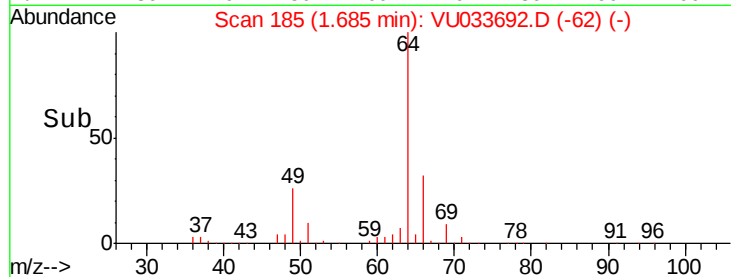
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 82.221 ug/L

RT: 1.87 min Scan# 243

Delta R.T. -0.00 min

Lab File: VU033692.D

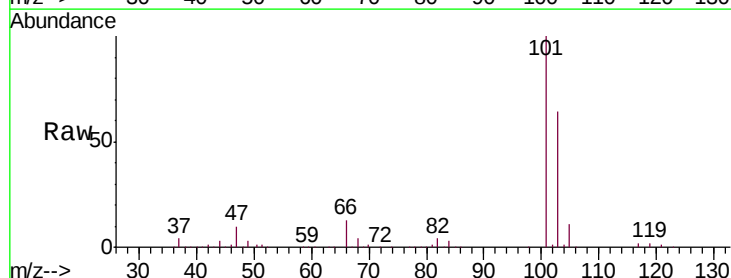
Acq: 09 Aug 2019 18:36

Tgt Ion: 101 Resp: 467049

Ion Ratio Lower Upper

101 100

103 64.6 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

400000

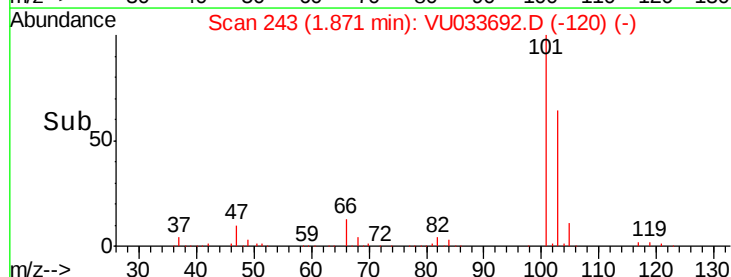
300000

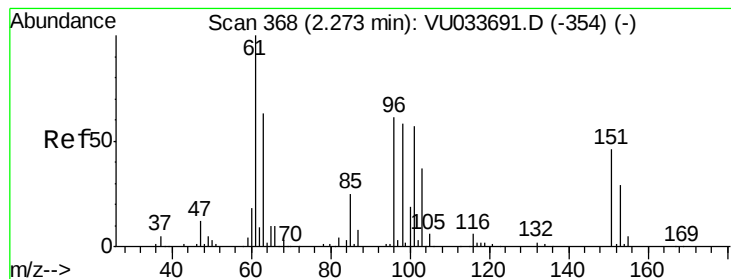
200000

100000

0

Time-->





#10

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

Concen: 85.180 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033692.D

Acq: 09 Aug 2019 18:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD10035

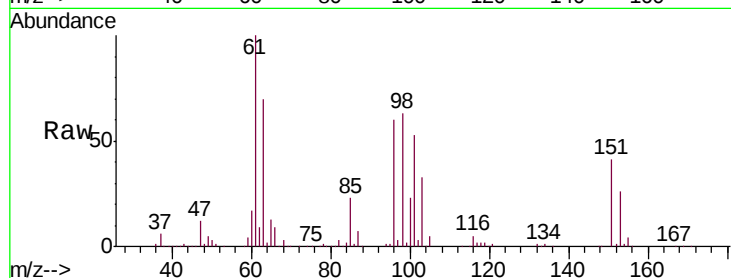
Tgt Ion: 101 Resp: 249827

Ion Ratio Lower Upper

101 100

85 43.1 34.5 51.7

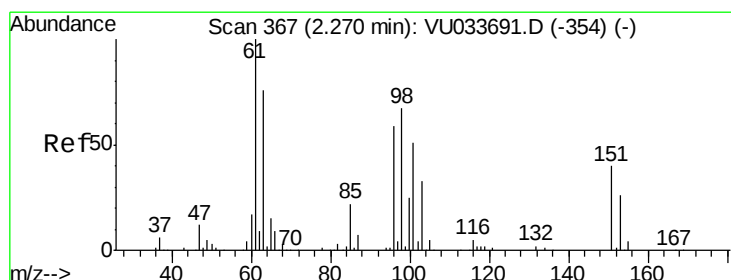
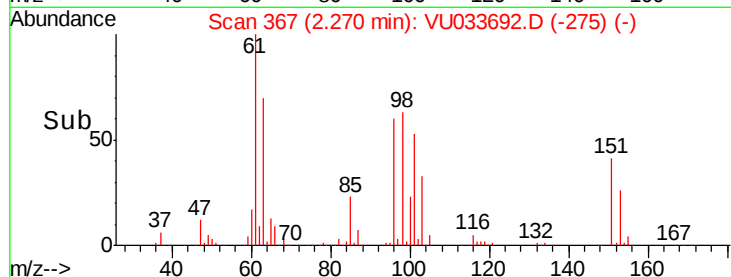
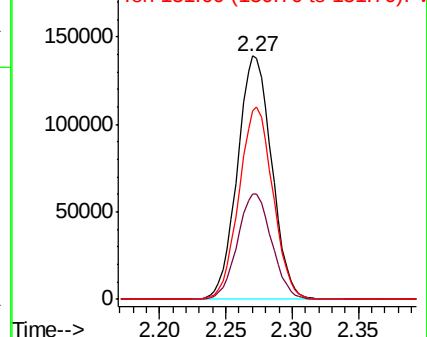
151 78.2 63.0 94.4



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: 85.394 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033692.D

Acq: 09 Aug 2019 18:36

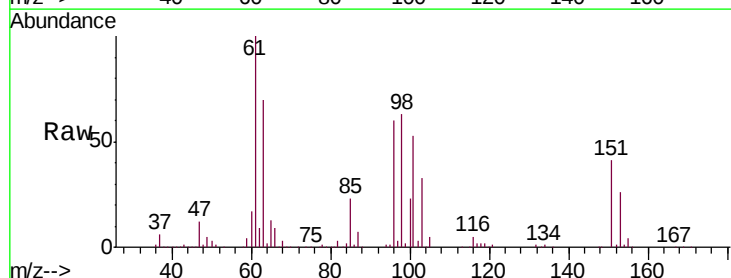
Tgt Ion: 96 Resp: 240545

Ion Ratio Lower Upper

96 100

61 167.3 118.2 219.6

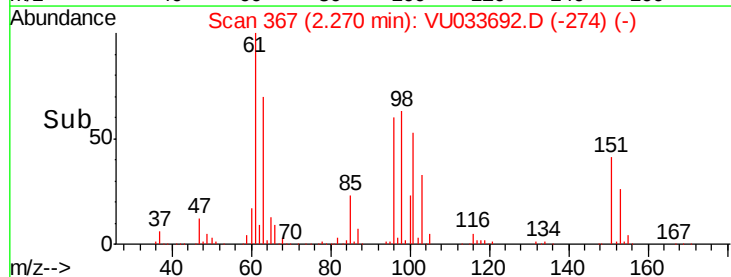
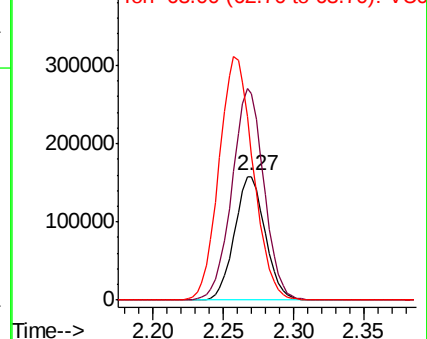
63 117.4 90.7 168.5

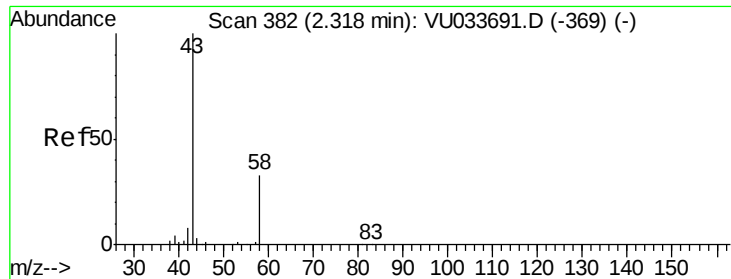


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 155.984 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.01 min

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ClientSampleId :

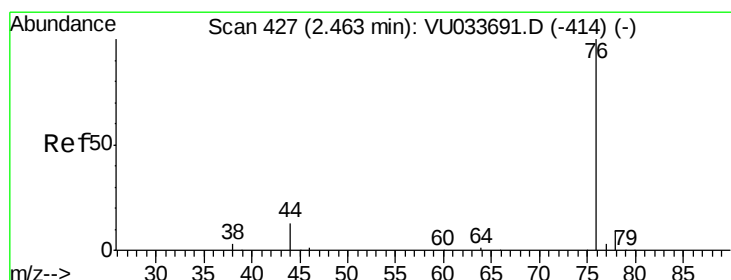
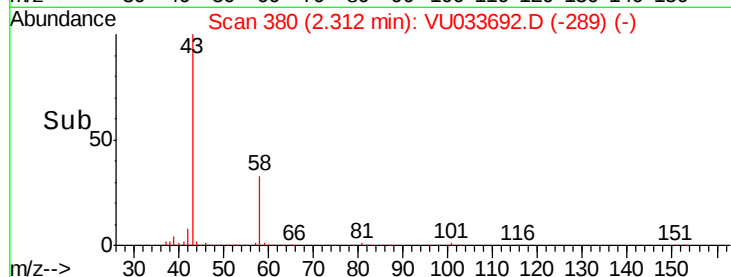
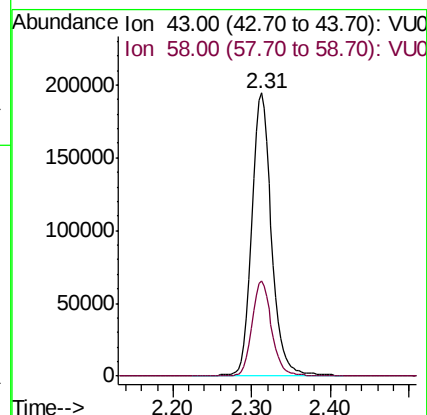
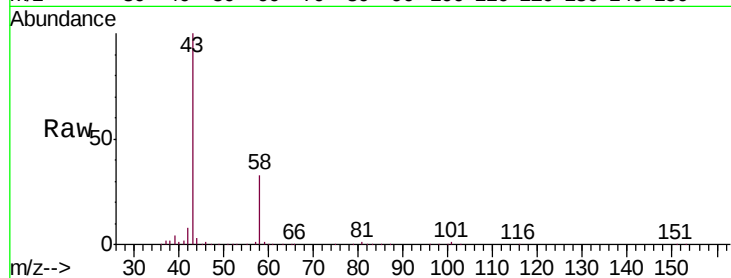
VSTD10035

Tgt Ion: 43 Resp: 346074

Ion Ratio Lower Upper

43 100

58 33.8 0.0 65.6



#14

Carbon disulfide

Concen: 81.206 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VU033692.D

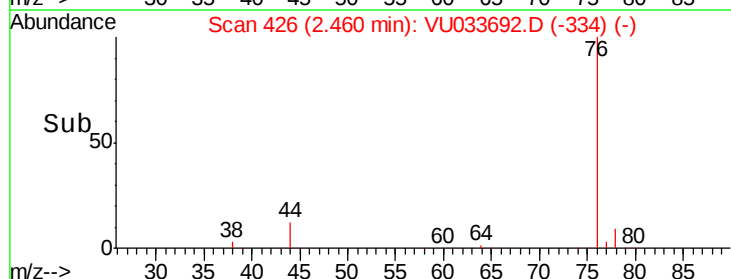
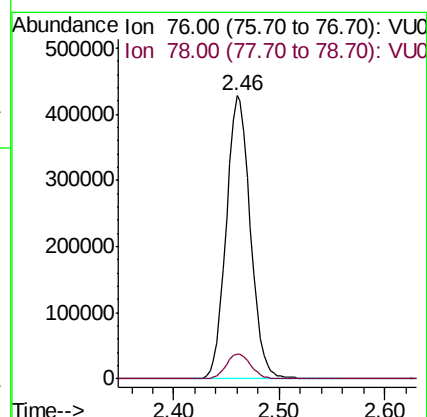
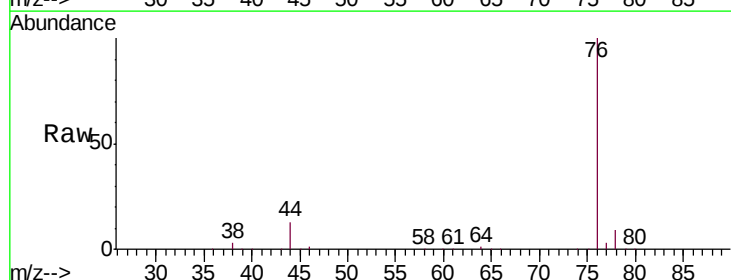
Acq: 09 Aug 2019 18:36

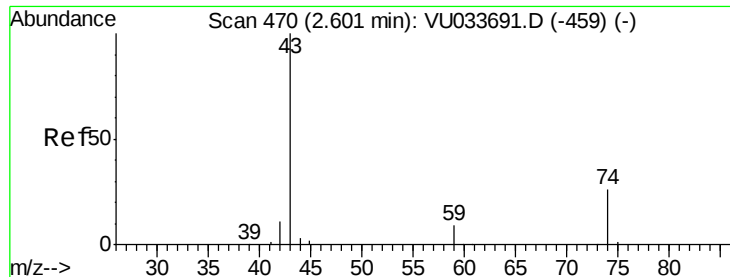
Tgt Ion: 76 Resp: 677981

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7





#15

Methyl Acetate

Concen: 86.476 ug/L

RT: 2.60 min Scan# 469

Delta R.T. -0.00 min

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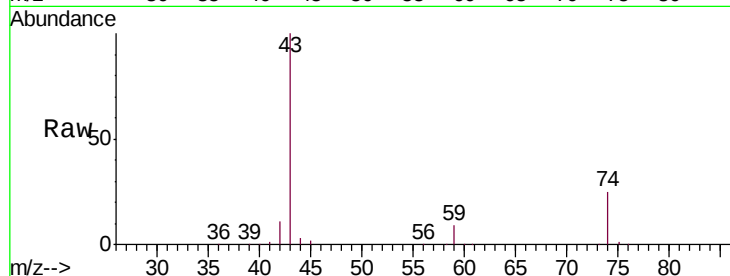
VSTD10035

Tgt Ion: 43 Resp: 312776

Ion Ratio Lower Upper

43 100

74 26.0 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VU033692.D (-469) (-)

Ion 74.00 (73.70 to 74.70): VU033692.D (-469) (-)

2.60

200000

150000

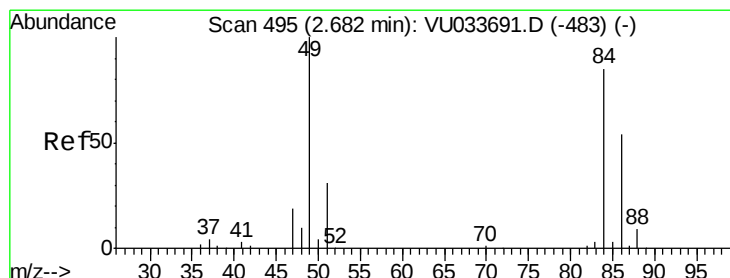
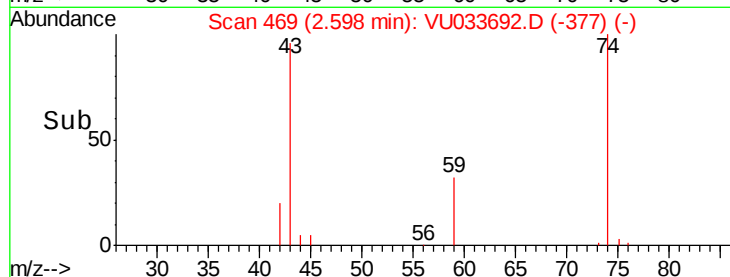
100000

50000

0

2.55 2.60 2.65 2.70

Time-->



#16

Methylene chloride

Concen: 82.937 ug/L

RT: 2.68 min Scan# 495

Delta R.T. 0.00 min

Lab File: VU033692.D

Acq: 09 Aug 2019 18:36

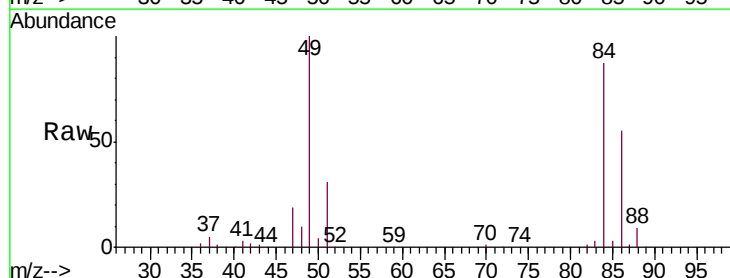
Tgt Ion: 84 Resp: 277647

Ion Ratio Lower Upper

84 100

86 63.7 44.3 82.3

49 115.1 82.3 152.9



Abundance Ion 84.00 (83.70 to 84.70): VU033692.D (-495) (-)

Ion 86.00 (85.70 to 86.70): VU033692.D (-495) (-)

Ion 49.00 (48.70 to 49.70): VU033692.D (-495) (-)

2.68

250000

200000

150000

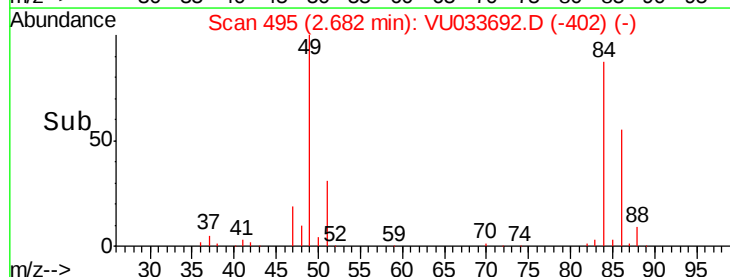
100000

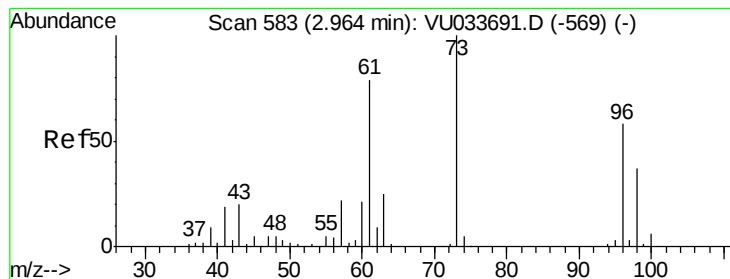
50000

0

2.60 2.65 2.70 2.75

Time-->





#17

trans-1,2-Dichloroethene

Concen: 87.094 ug/L

RT: 2.96 min Scan# 582

Delta R.T. -0.00 min

Lab File: VU033692.D

Acq: 09 Aug 2019 18:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD10035

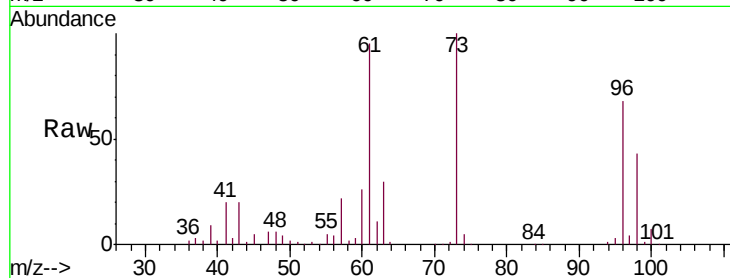
Tgt Ion: 96 Resp: 256483

Ion Ratio Lower Upper

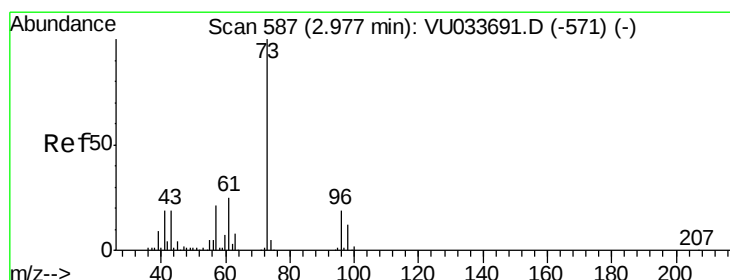
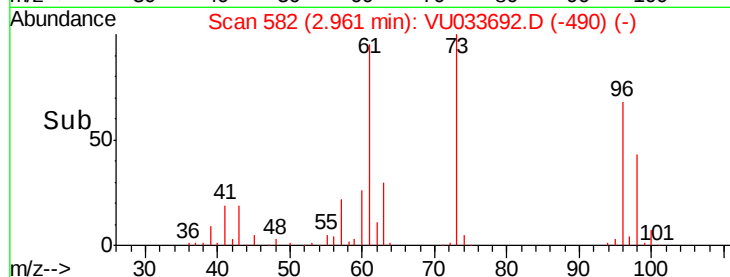
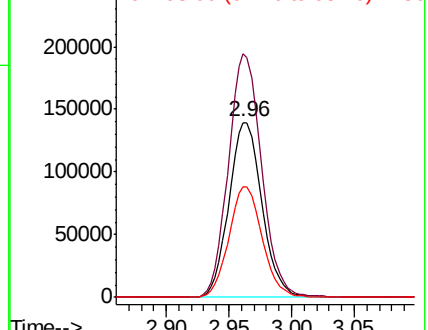
96 100

61 139.1 95.6 177.6

98 63.5 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: 92.023 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU033692.D

Acq: 09 Aug 2019 18:36

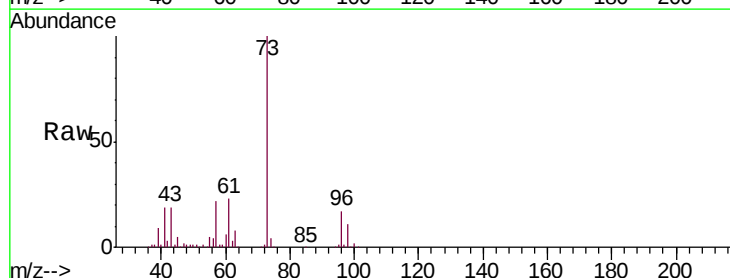
Tgt Ion: 73 Resp: 856364

Ion Ratio Lower Upper

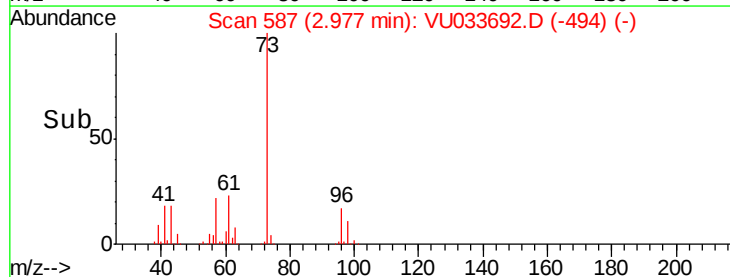
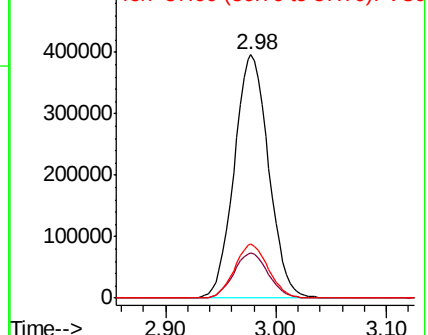
73 100

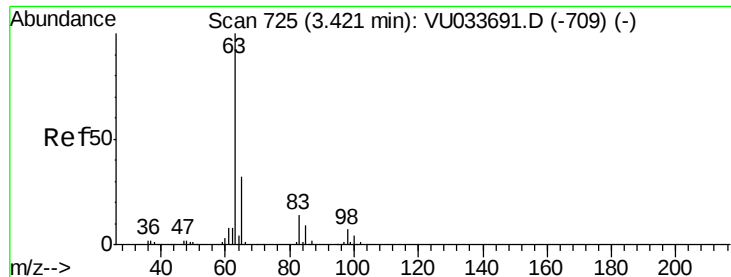
43 18.6 15.1 22.7

57 21.7 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

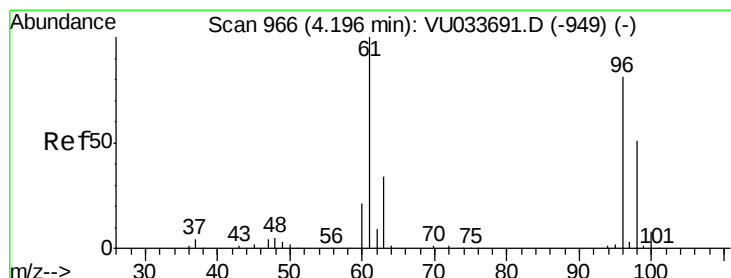
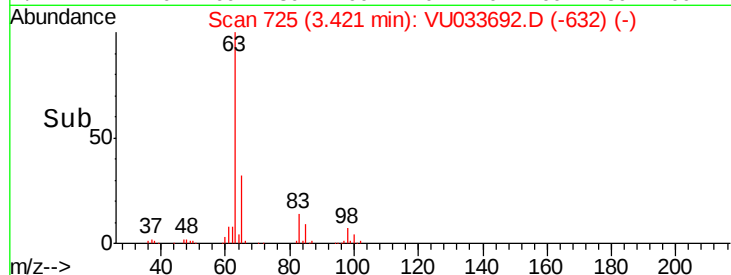
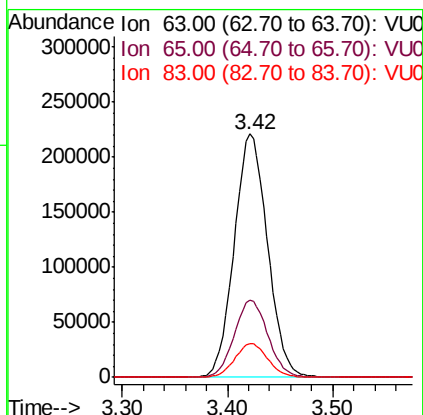
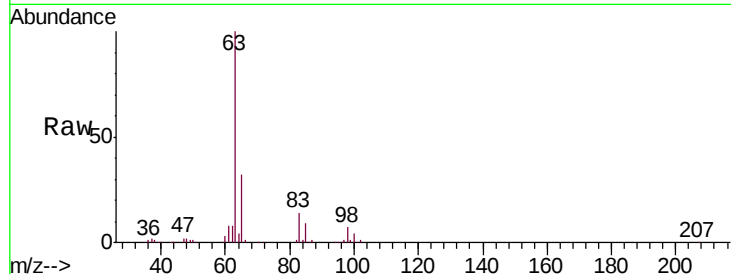




#19
 1,1-Dichloroethane
 Concen: 84.908 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU033692.D
 Acq: 09 Aug 2019 18:36

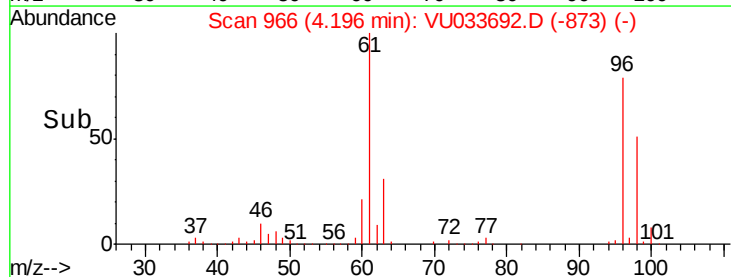
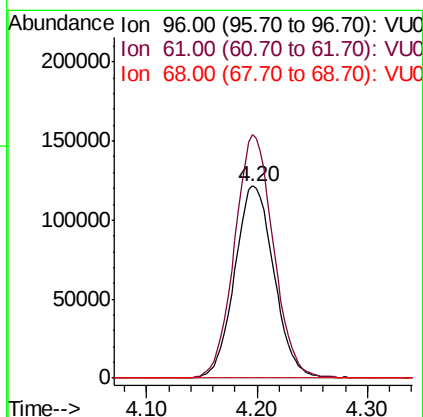
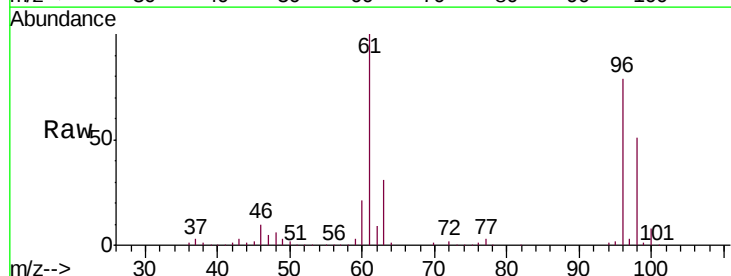
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10035

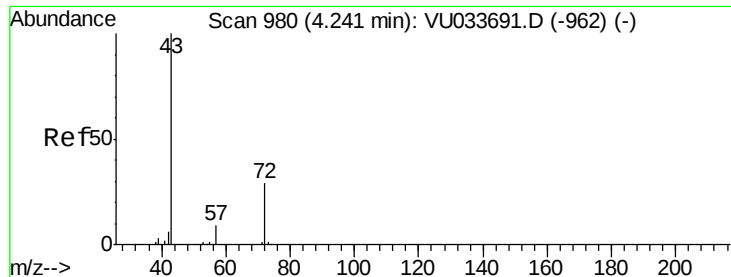
Tgt Ion: 63 Resp: 484894
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.3 41.3
 83 13.9 9.7 18.1



#20
 cis-1,2-Dichloroethene
 Concen: 90.292 ug/L
 RT: 4.20 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VU033692.D
 Acq: 09 Aug 2019 18:36

Tgt Ion: 96 Resp: 300163
 Ion Ratio Lower Upper
 96 100
 61 126.6 87.0 161.6
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 178.784 ug/L

RT: 4.23 min Scan# 978

Delta R.T. -0.01 min

Lab File: VU033692.D

Acq: 09 Aug 2019 18:36

Instrument :

MSVOA_U

ClientSampleId :

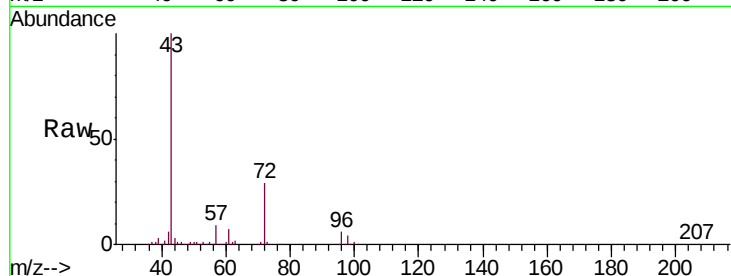
VSTD10035

Tgt Ion: 43 Resp: 500293

Ion Ratio Lower Upper

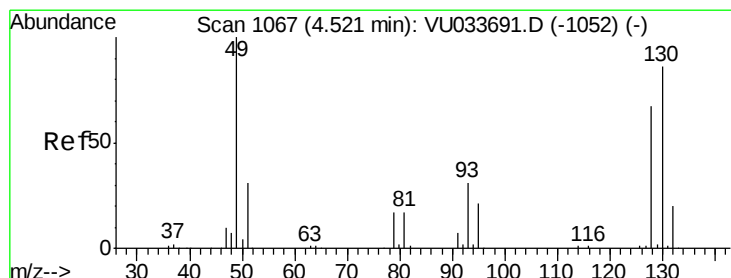
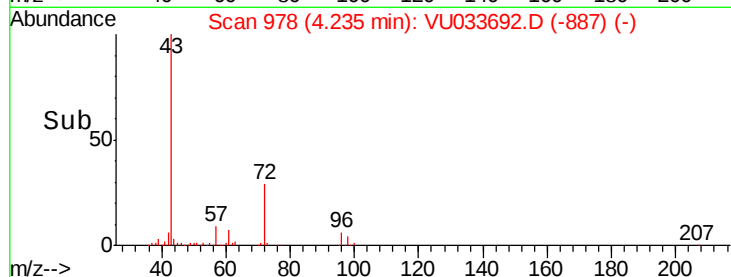
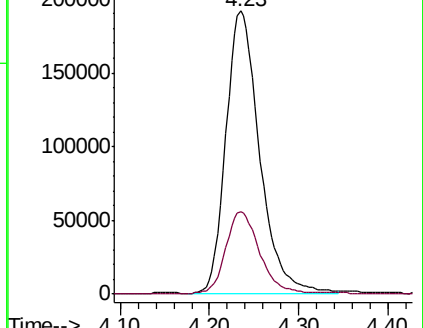
43 100

72 29.6 15.2 45.6



Abundance Ion 43.00 (42.70 to 43.70): VU033692.D (-978) (-)

Ion 72.00 (71.70 to 72.70): VU033692.D (-978) (-)



#23

Bromochloromethane

Concen: 88.690 ug/L

RT: 4.52 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VU033692.D

Acq: 09 Aug 2019 18:36

Tgt Ion: 128 Resp: 156050

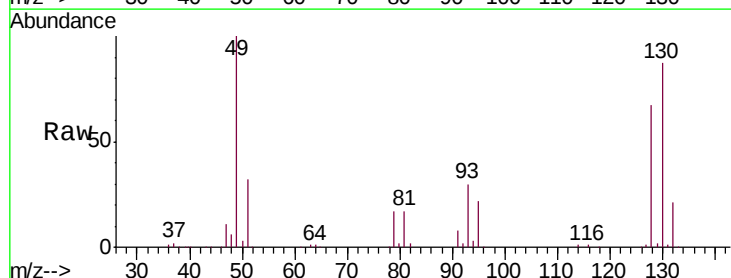
Ion Ratio Lower Upper

128 100

49 148.6 104.7 194.4

130 129.3 89.6 166.4

51 47.3 37.4 56.0

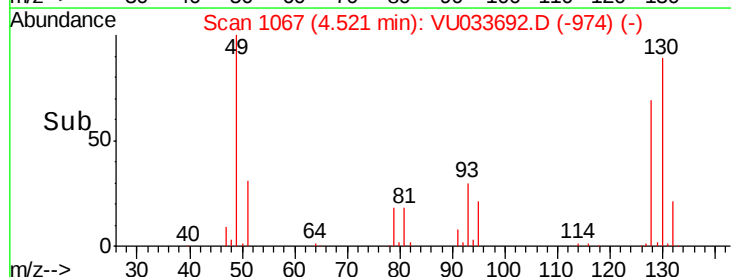
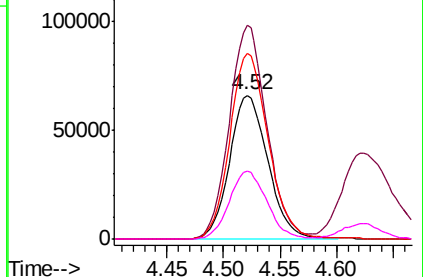


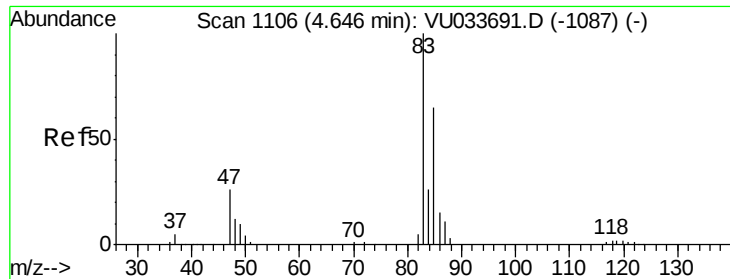
Abundance Ion 128.00 (127.70 to 128.70): VU033692.D (-1067) (-)

Ion 49.00 (48.70 to 49.70): VU033692.D (-1067) (-)

Ion 130.00 (129.70 to 130.70): VU033692.D (-1067) (-)

Ion 51.00 (50.70 to 51.70): VU033692.D (-1067) (-)

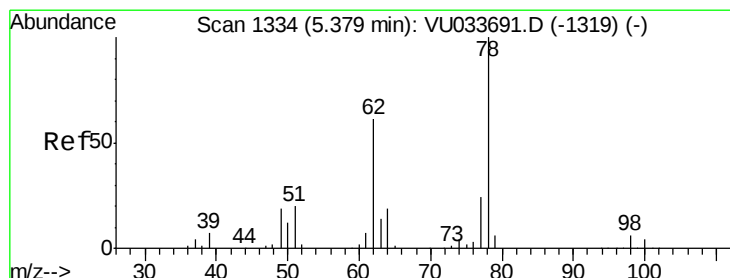
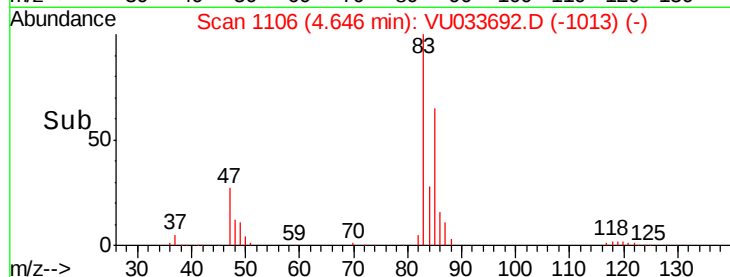
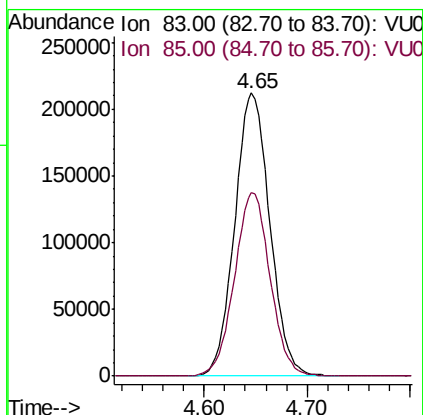
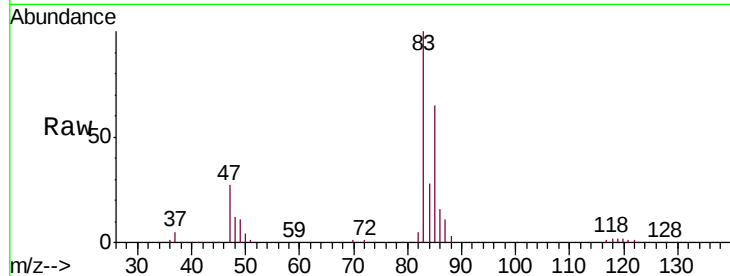




#25
Chloroform
Concen: 84.214 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VU033692.D
Acq: 09 Aug 2019 18:36

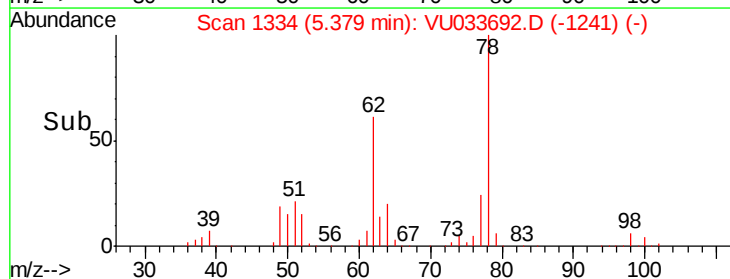
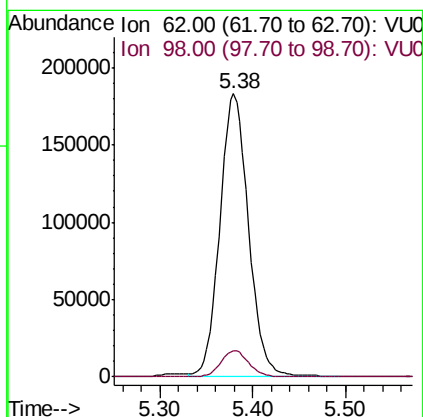
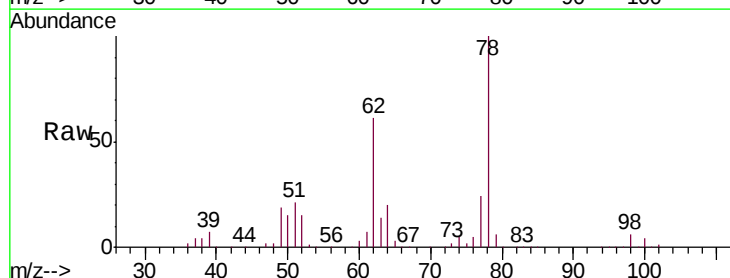
Instrument :
MSVOA_U
ClientSampleId :
VSTD10035

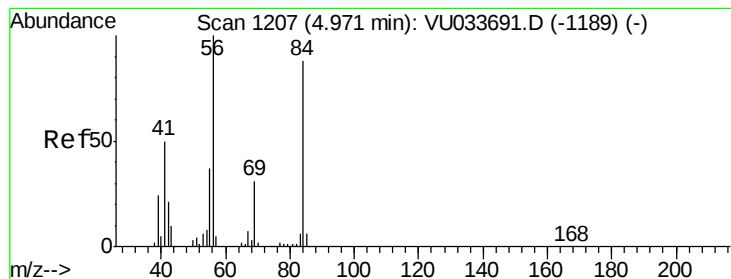
Tgt Ion: 83 Resp: 502264
Ion Ratio Lower Upper
83 100
85 64.9 45.9 85.3



#27
1,2-Dichloroethane
Concen: 84.340 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VU033692.D
Acq: 09 Aug 2019 18:36

Tgt Ion: 62 Resp: 391004
Ion Ratio Lower Upper
62 100
98 9.4 7.4 11.2





#29

Cyclohexane

Concen: 95.801 ug/L

RT: 4.97 min Scan# 1207

Delta R.T. 0.00 min

Lab File: VU033692.D

Acq: 09 Aug 2019 18:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD10035

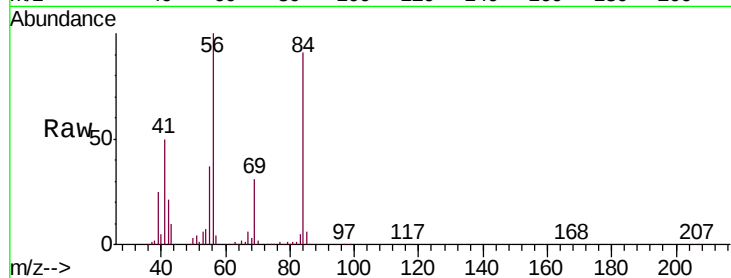
Tgt Ion: 56 Resp: 425988

Ion Ratio Lower Upper

56 100

69 31.0 25.3 37.9

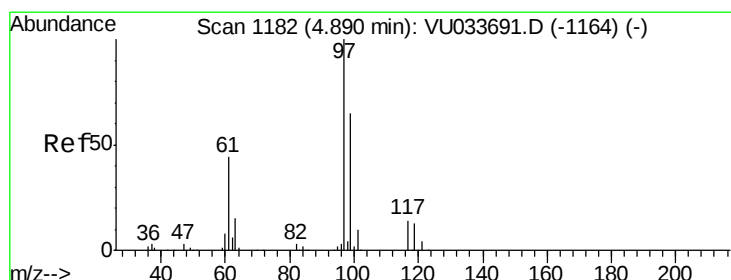
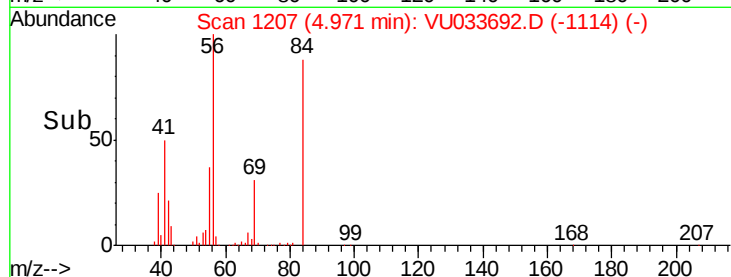
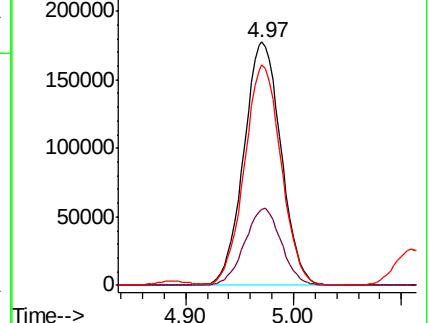
84 89.5 71.8 107.8



Abundance Ion 56.00 (55.70 to 56.70): VU033692.D (-1189) (-)

Ion 69.00 (68.70 to 69.70): VU033692.D (-1189) (-)

Ion 84.00 (83.70 to 84.70): VU033692.D (-1189) (-)



#30

1,1,1-Trichloroethane

Concen: 89.937 ug/L

RT: 4.89 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU033692.D

Acq: 09 Aug 2019 18:36

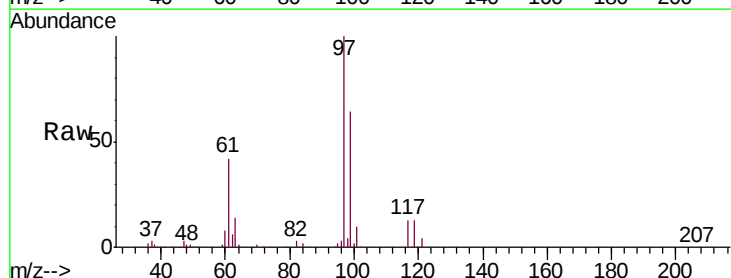
Tgt Ion: 97 Resp: 432525

Ion Ratio Lower Upper

97 100

99 64.1 52.0 78.0

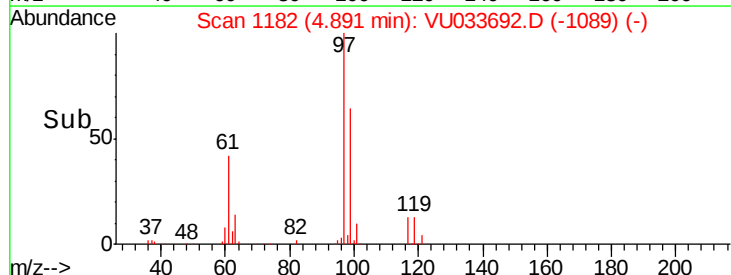
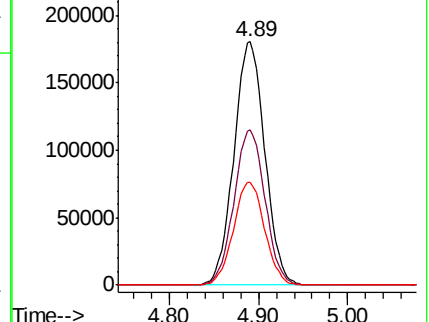
61 42.6 35.0 52.4

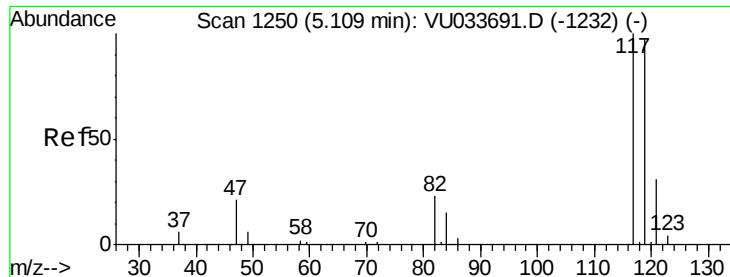


Abundance Ion 97.00 (96.70 to 97.70): VU033692.D (-1089) (-)

Ion 99.00 (98.70 to 99.70): VU033692.D (-1089) (-)

Ion 61.05 (60.75 to 61.75): VU033692.D (-1089) (-)





#31

Carbon tetrachloride

Concen: 91.915 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU033692.D

Acq: 09 Aug 2019 18:36

Instrument :

MSVOA_U

ClientSampleId :

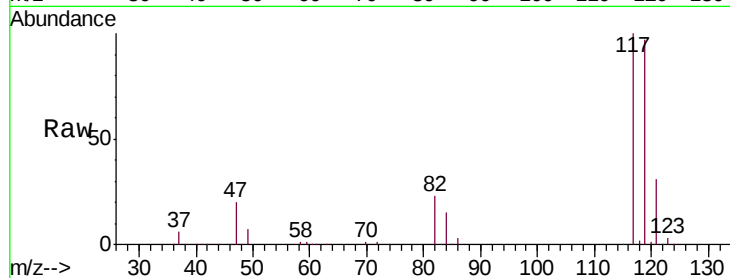
VSTD10035

Tgt Ion:117 Resp: 389866

Ion Ratio Lower Upper

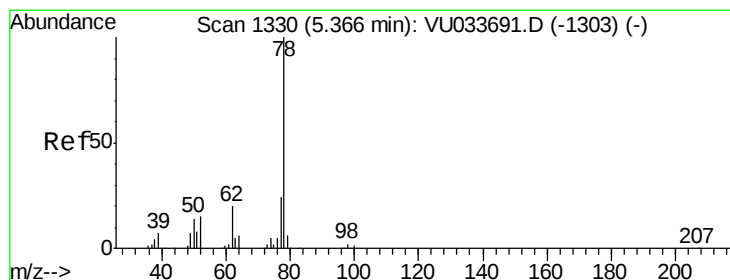
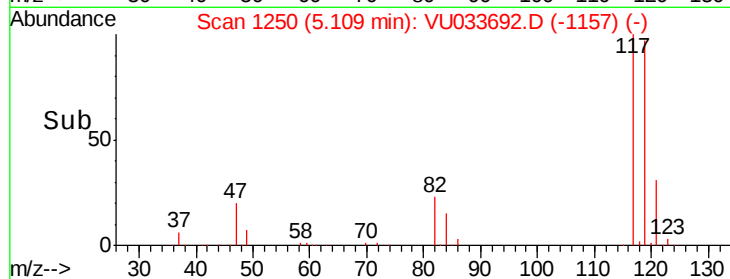
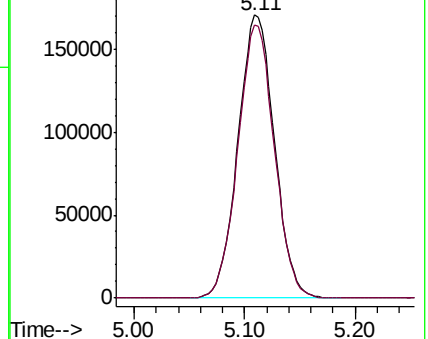
117 100

119 96.6 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 90.350 ug/L

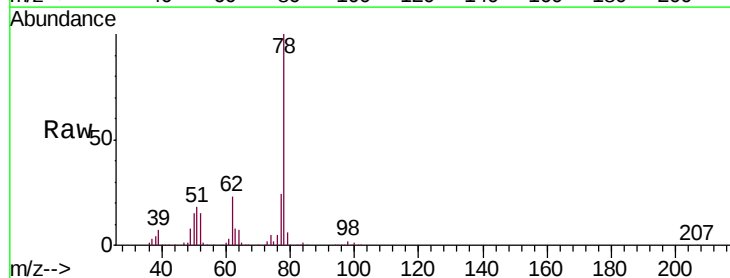
RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

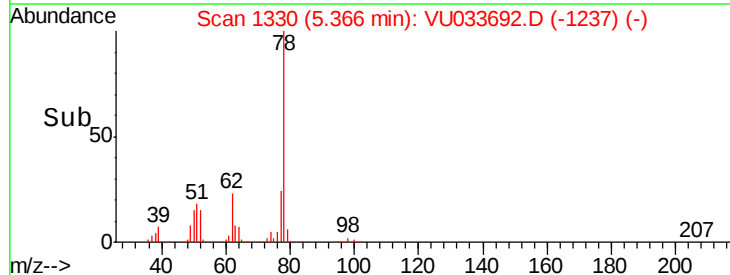
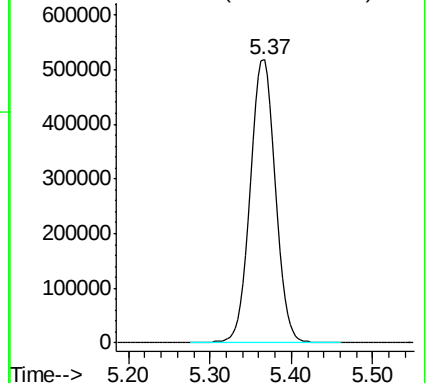
Lab File: VU033692.D

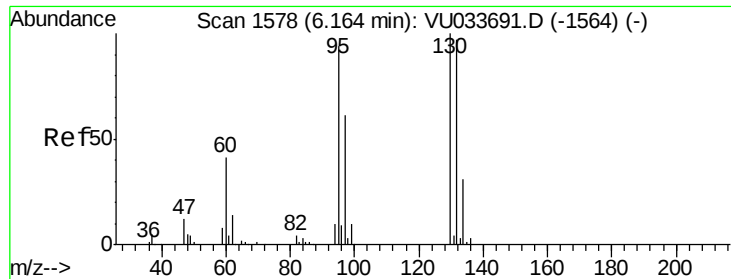
Acq: 09 Aug 2019 18:36

Tgt Ion: 78 Resp: 1092833



Abundance Ion 78.00 (77.70 to 78.70): VU0

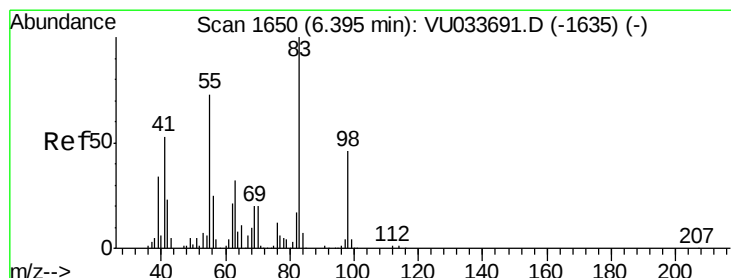
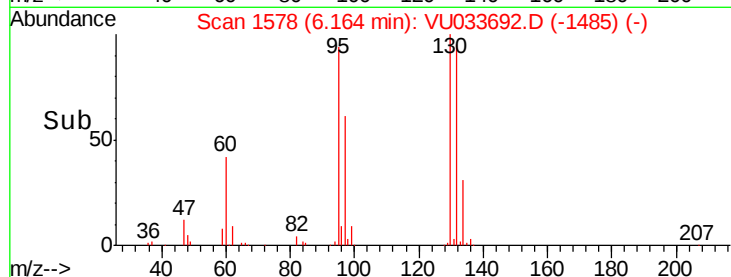
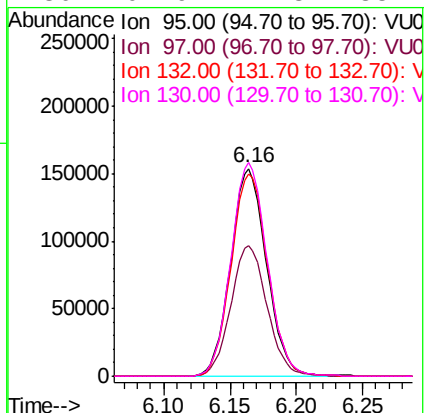
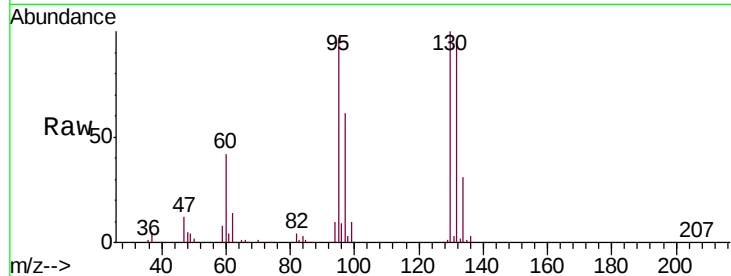




#34
 Trichloroethene
 Concen: 92.869 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VU033692.D
 Acq: 09 Aug 2019 18:36

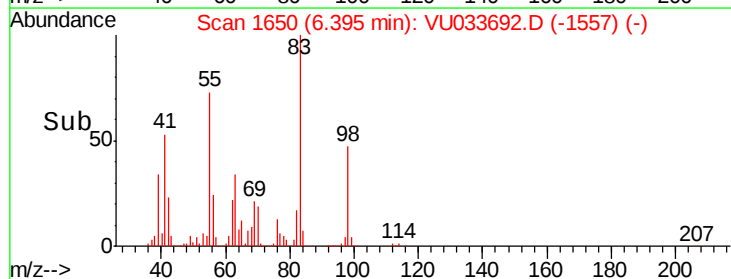
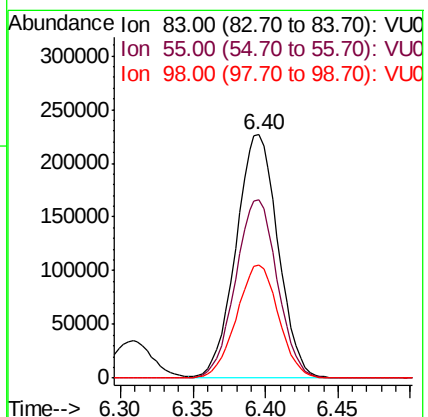
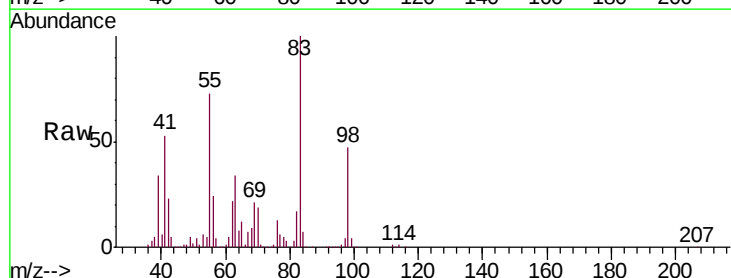
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10035

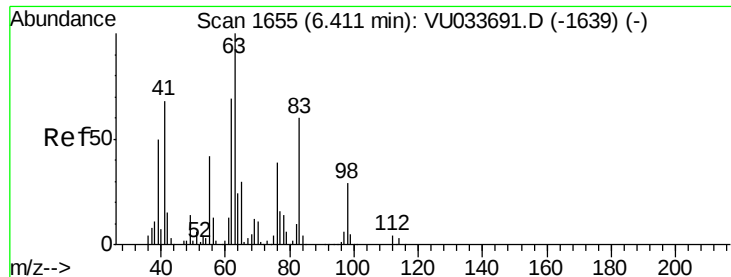
Tgt Ion:	95	Resp:	289648
Ion	Ratio	Lower	Upper
95	100		
97	63.0	45.6	84.8
132	97.7	72.0	133.8
130	102.9	74.3	138.1



#35
 Methylcyclohexane
 Concen: 96.122 ug/L
 RT: 6.40 min Scan# 1650
 Delta R.T. 0.00 min
 Lab File: VU033692.D
 Acq: 09 Aug 2019 18:36

Tgt Ion:	83	Resp:	456884
Ion	Ratio	Lower	Upper
83	100		
55	73.0	58.1	87.1
98	46.4	36.8	55.2

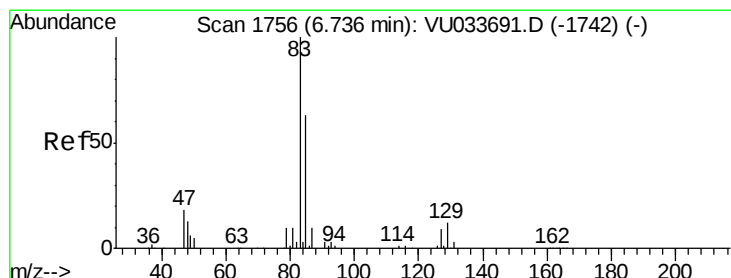
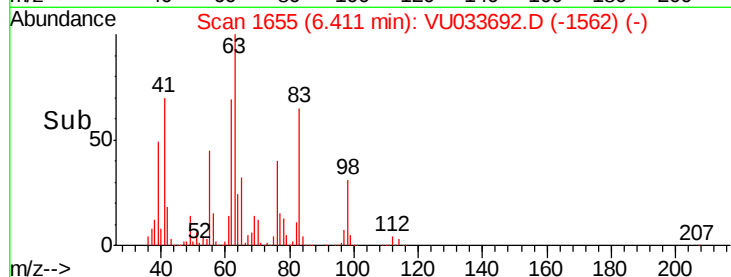
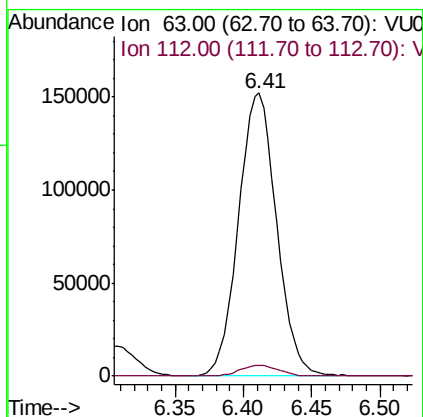
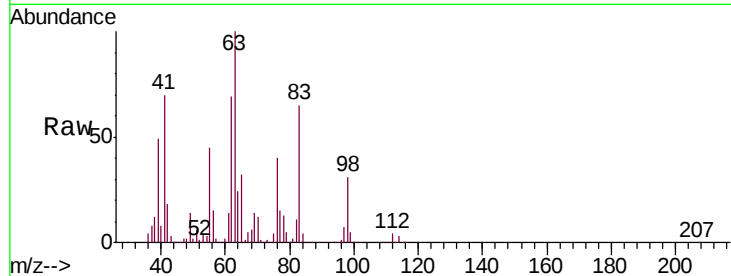




#37
 1,2-Dichloropropane
 Concen: 89.567 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU033692.D
 Acq: 09 Aug 2019 18:36

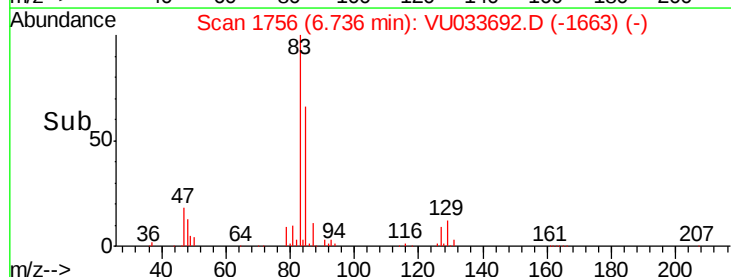
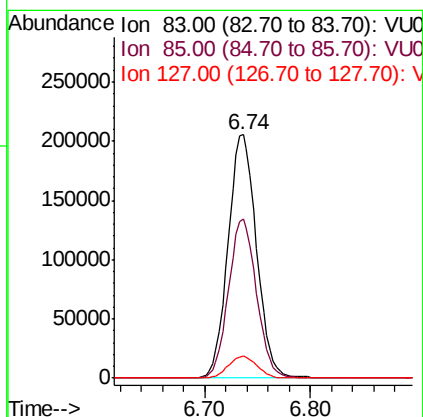
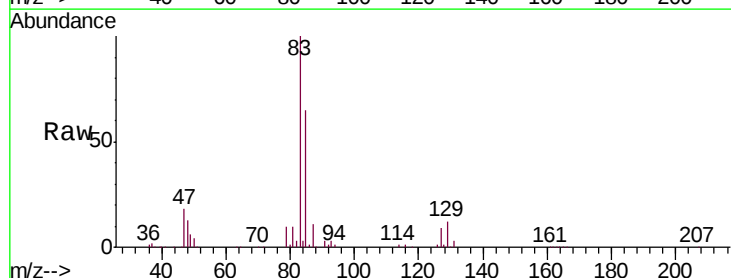
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10035

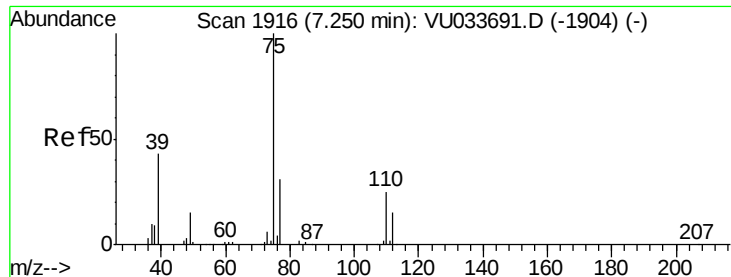
Tgt Ion: 63 Resp: 293484
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.1 4.7



#38
 Bromodichloromethane
 Concen: 90.231 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VU033692.D
 Acq: 09 Aug 2019 18:36

Tgt Ion: 83 Resp: 382330
 Ion Ratio Lower Upper
 83 100
 85 65.3 44.2 82.0
 127 8.9 6.8 10.2



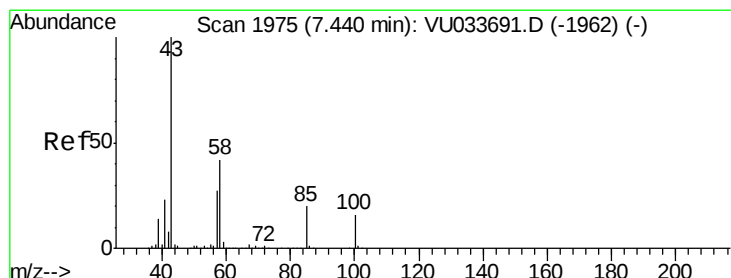
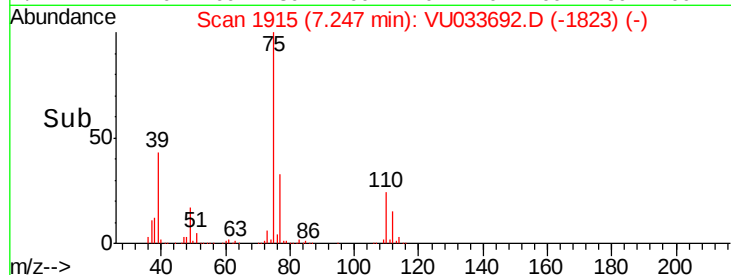
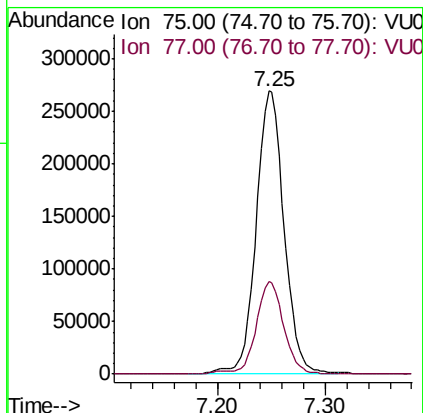
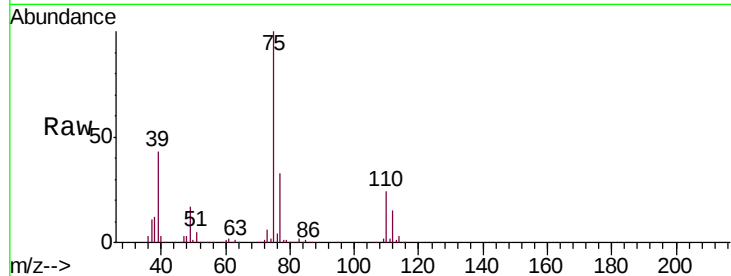


#39

cis-1,3-Dichloropropene
 Concen: 99.547 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VU033692.D
 Acq: 09 Aug 2019 18:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10035

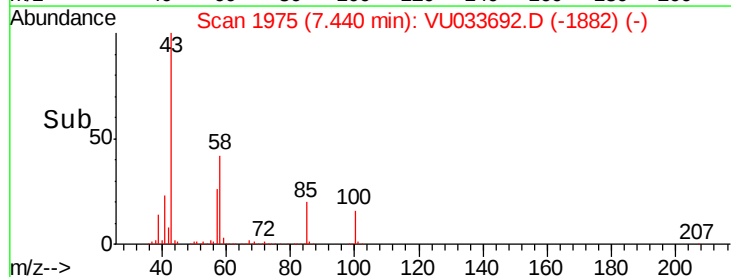
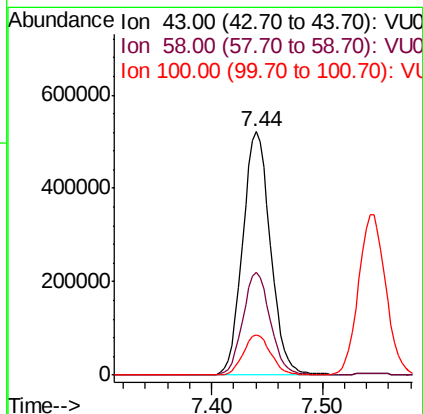
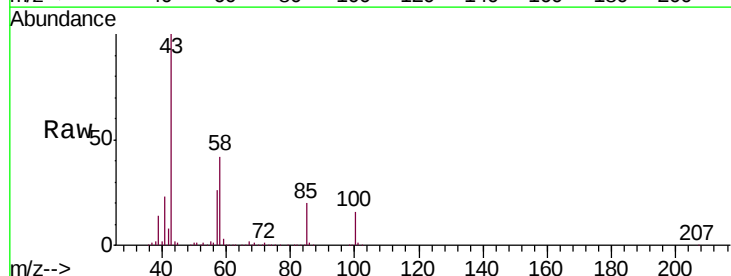
Tgt Ion: 75 Resp: 483584
 Ion Ratio Lower Upper
 75 100
 77 32.8 21.7 40.3

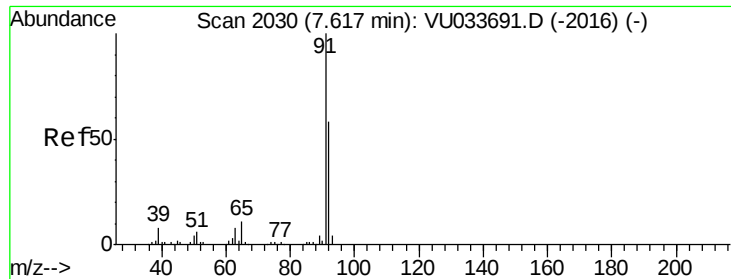


#40

4-Methyl-2-pentanone
 Concen: 191.166 ug/L
 RT: 7.44 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VU033692.D
 Acq: 09 Aug 2019 18:36

Tgt Ion: 43 Resp: 909141
 Ion Ratio Lower Upper
 43 100
 58 41.9 33.4 50.0
 100 16.5 13.2 19.8





#42

Toluene

Concen: 93.033 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033692.D

Acq: 09 Aug 2019 18:36

Instrument :

MSVOA_U

ClientSampleId :

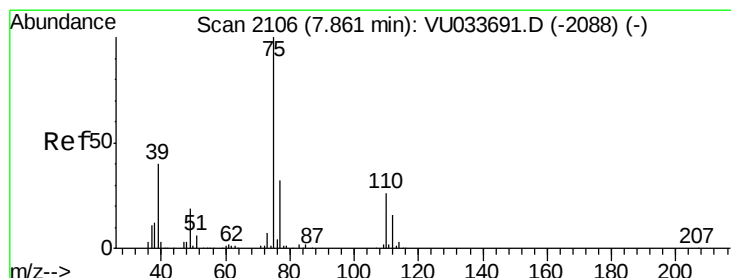
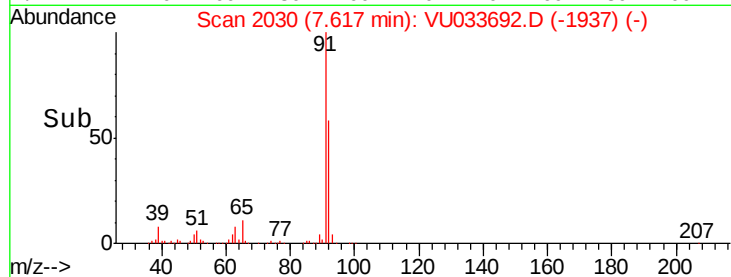
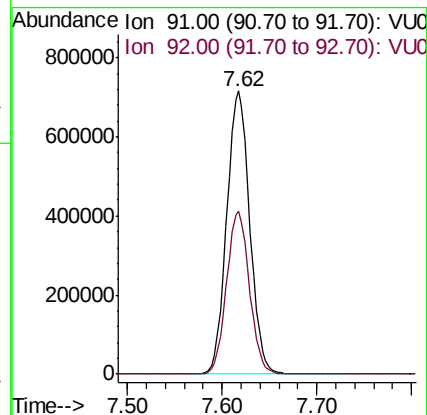
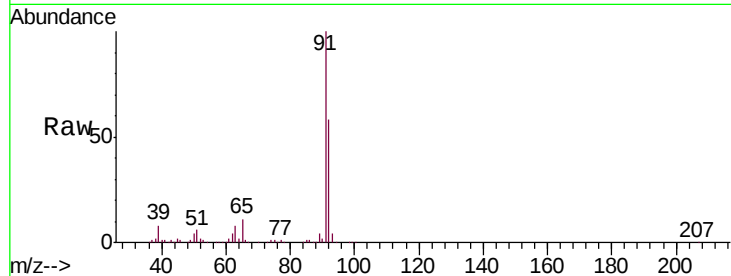
VSTD10035

Tgt Ion: 91 Resp: 1209276

Ion Ratio Lower Upper

91 100

92 57.7 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 93.928 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU033692.D

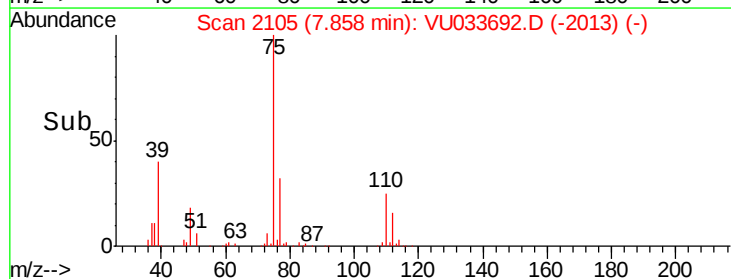
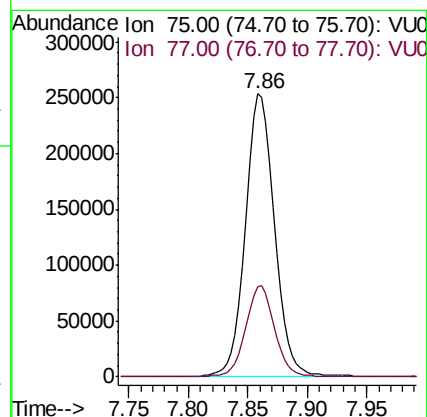
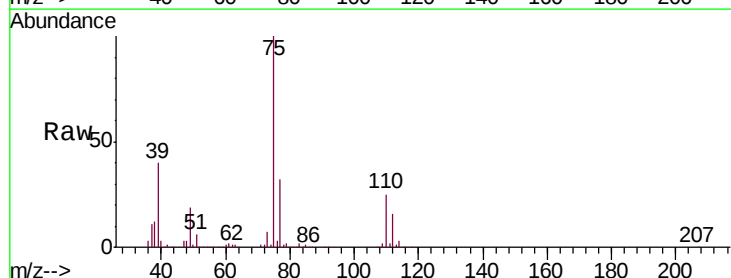
Acq: 09 Aug 2019 18:36

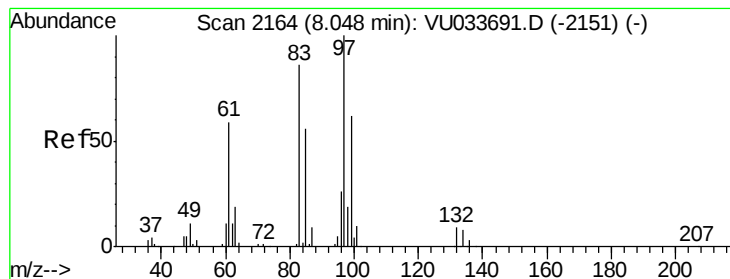
Tgt Ion: 75 Resp: 431115

Ion Ratio Lower Upper

75 100

77 31.8 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 91.828 ug/L

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU033692.D

Acq: 09 Aug 2019 18:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD10035

Tgt Ion: 97 Resp: 287704

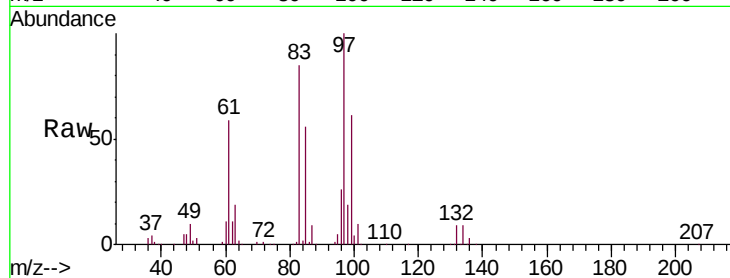
Ion Ratio Lower Upper

97 100

99 61.1 43.3 80.5

83 85.0 60.5 112.5

85 56.0 38.9 72.3

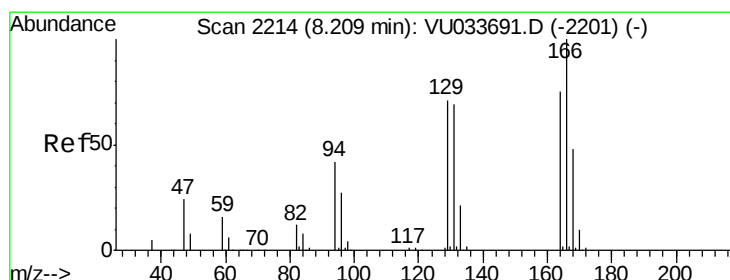
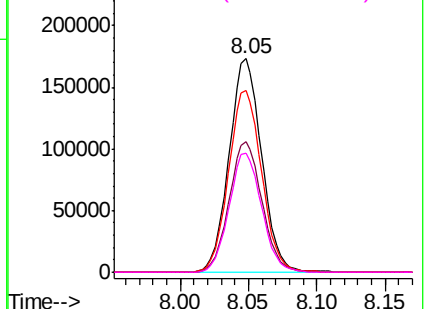
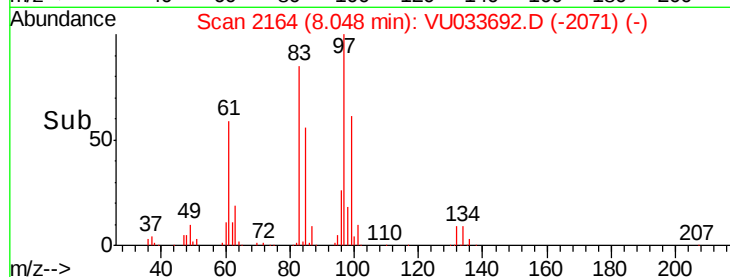


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 95.252 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU033692.D

Acq: 09 Aug 2019 18:36

Tgt Ion: 164 Resp: 242434

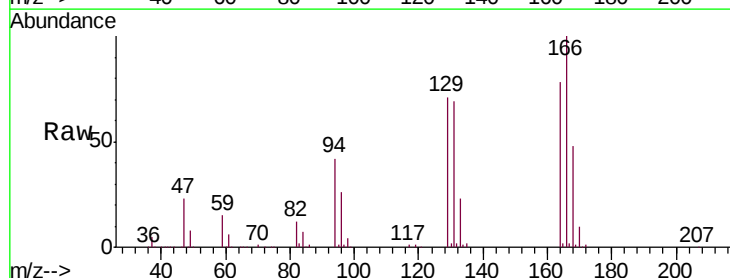
Ion Ratio Lower Upper

164 100

129 90.9 65.5 121.7

131 88.1 63.6 118.0

166 128.4 92.7 172.3

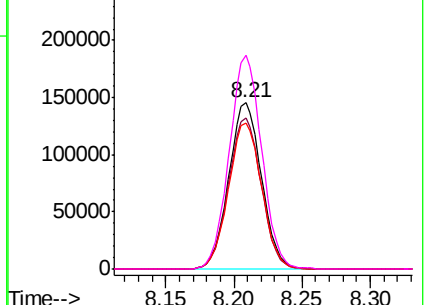
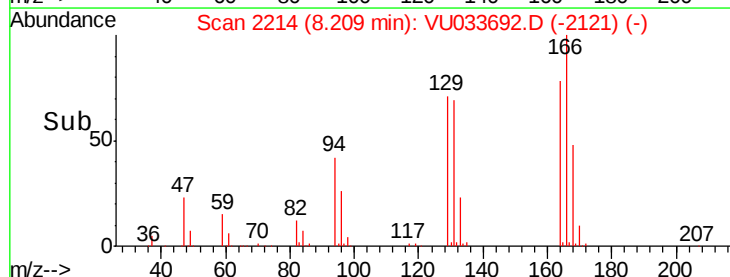


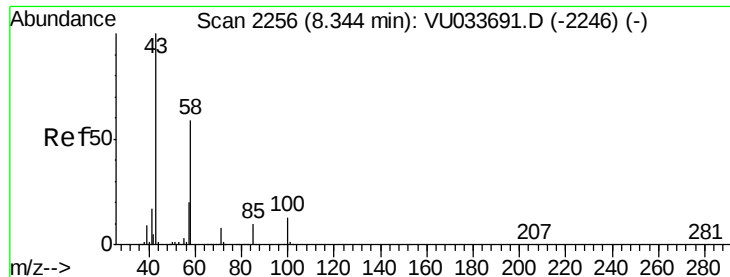
Abundance Ion 164.00 (163.70 to 164.70): V

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

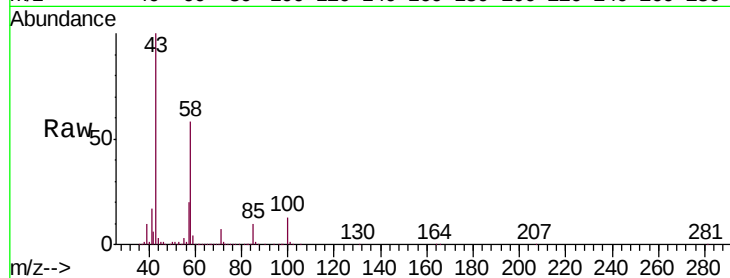




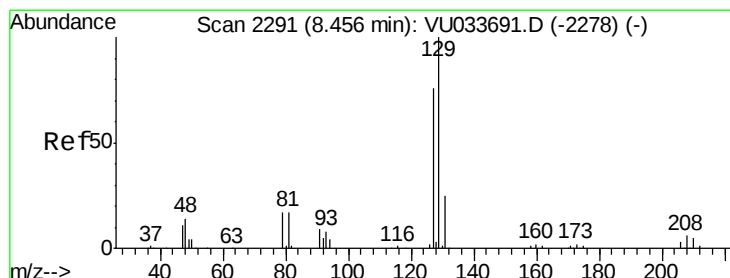
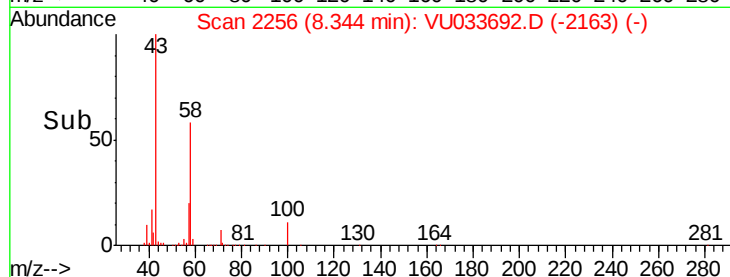
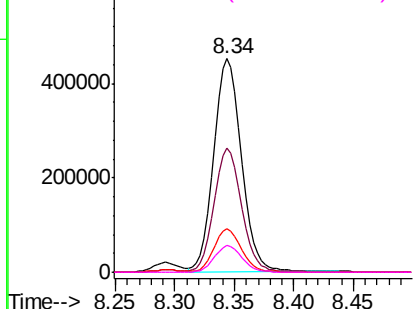
#48
2-Hexanone
Concen: 187.400 ug/L
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU033692.D
Acq: 09 Aug 2019 18:36

Instrument :
MSVOA_U
ClientSampled :
VSTD10035

Tgt Ion: 43 Resp: 730002
Ion Ratio Lower Upper
43 100
58 57.7 46.6 70.0
57 20.1 16.2 24.4
100 12.7 10.1 15.1

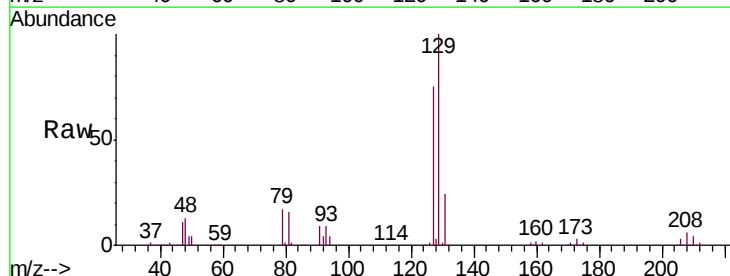


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

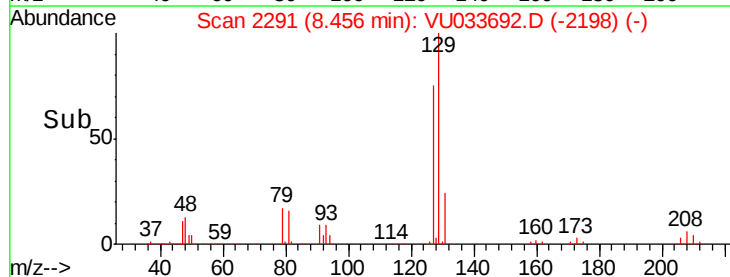
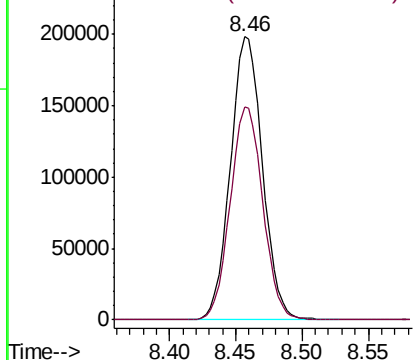


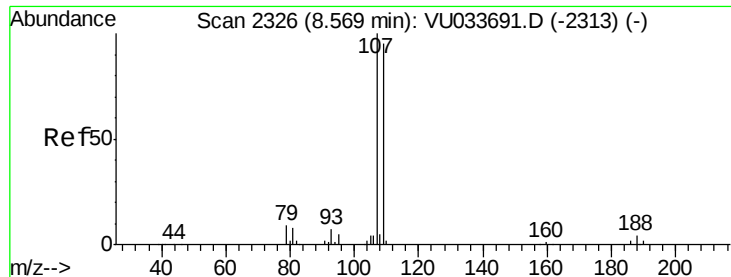
#49
Dibromochloromethane
Concen: 93.468 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU033692.D
Acq: 09 Aug 2019 18:36

Tgt Ion: 129 Resp: 333350
Ion Ratio Lower Upper
129 100
127 75.1 53.3 98.9



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

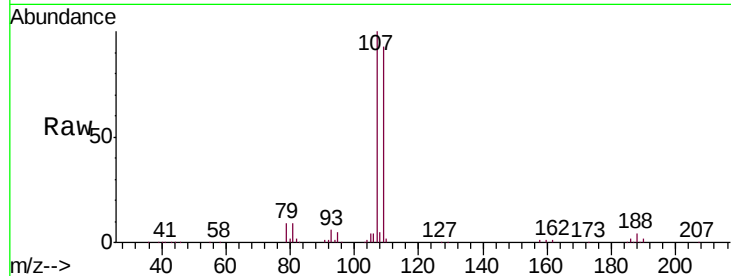




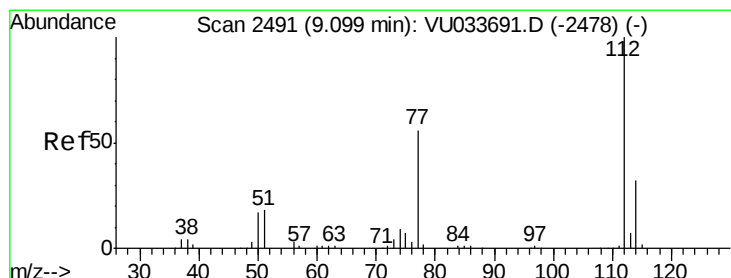
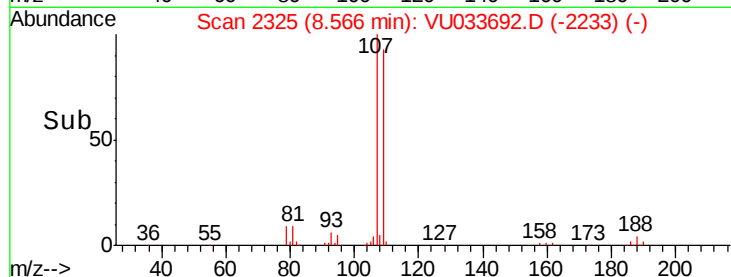
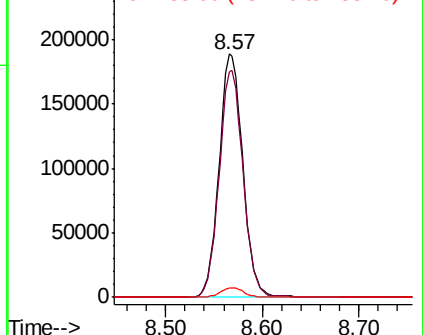
#50
1,2-Dibromoethane
Concen: 94.432 ug/L
RT: 8.57 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU033692.D
Acq: 09 Aug 2019 18:36

Instrument :
MSVOA_U
ClientSampleId :
VSTD10035

Tgt Ion:107 Resp: 321396
Ion Ratio Lower Upper
107 100
109 92.5 66.4 123.4
188 3.7 3.2 4.8

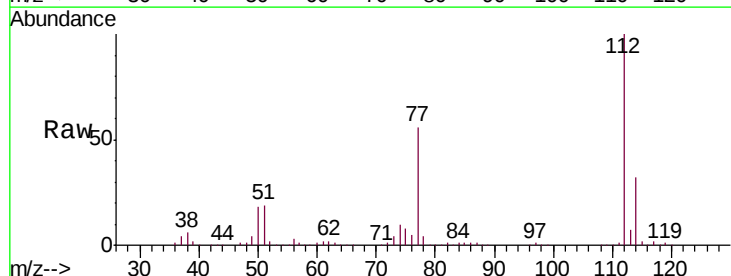


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

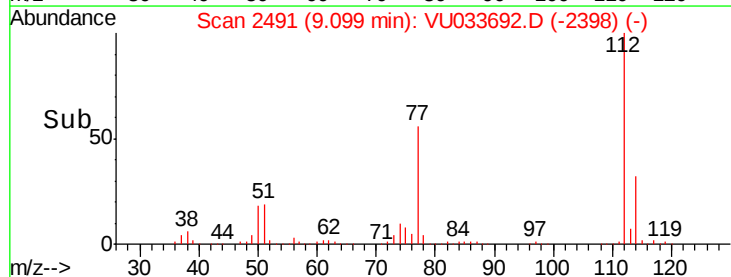
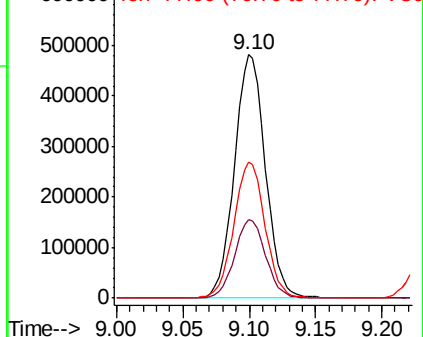


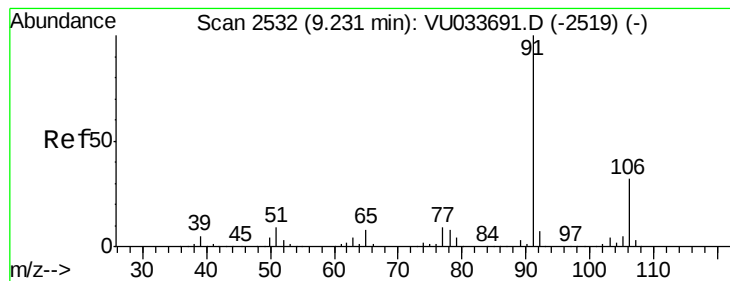
#51
Chlorobenzene
Concen: 91.354 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU033692.D
Acq: 09 Aug 2019 18:36

Tgt Ion:112 Resp: 780905
Ion Ratio Lower Upper
112 100
114 32.4 22.5 41.9
77 56.1 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: 95.295 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU033692.D

Acq: 09 Aug 2019 18:36

Instrument :

MSVOA_U

ClientSampleId :

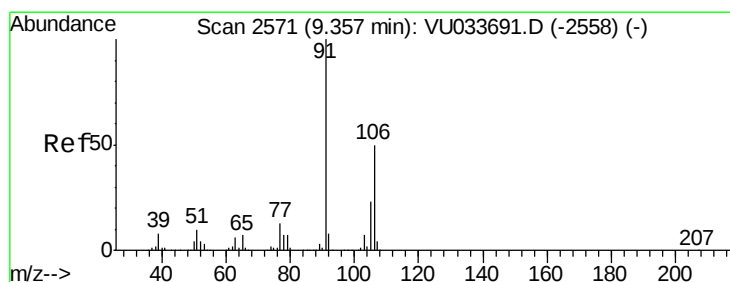
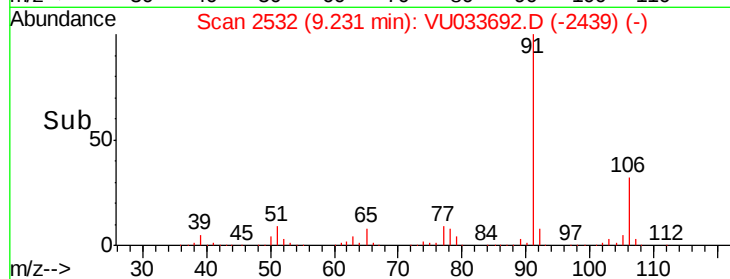
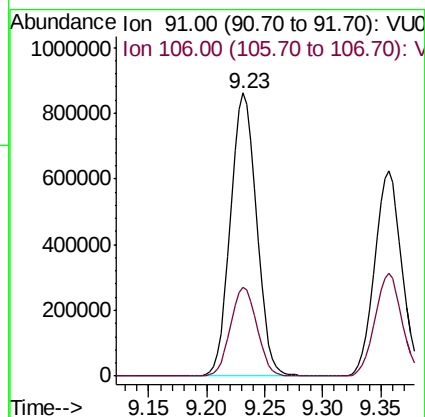
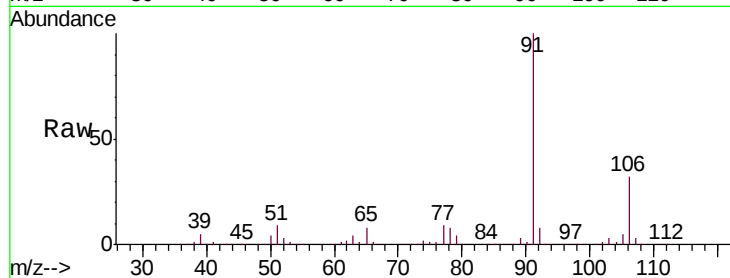
VSTD10035

Tgt Ion: 91 Resp: 1334431

Ion Ratio Lower Upper

91 100

106 31.6 22.5 41.7



#53

m,p-Xylene

Concen: 96.475 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU033692.D

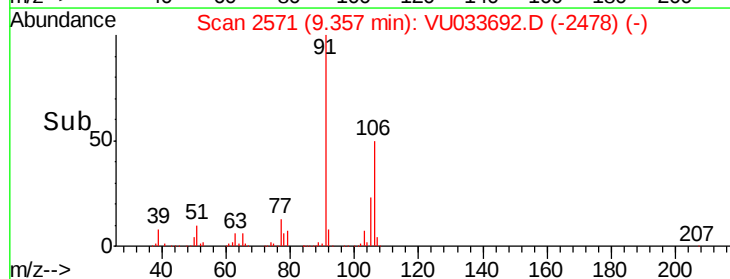
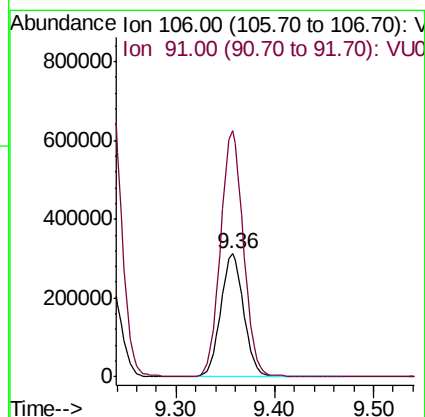
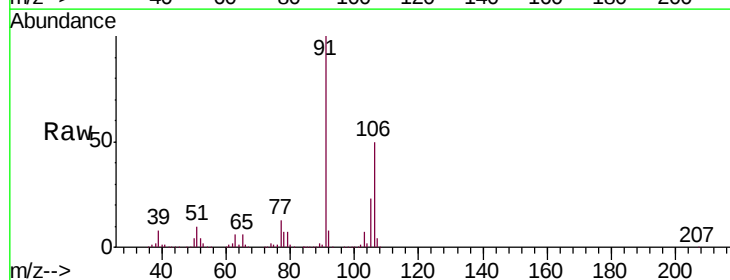
Acq: 09 Aug 2019 18:36

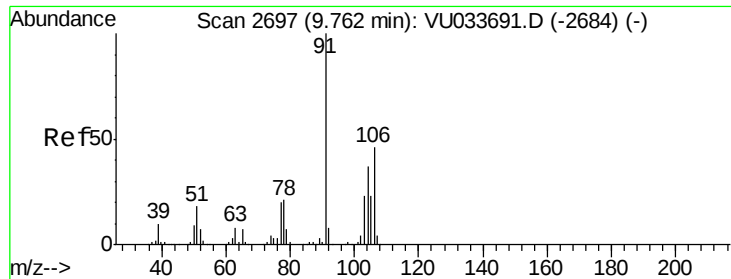
Tgt Ion: 106 Resp: 511403

Ion Ratio Lower Upper

106 100

91 200.3 138.8 257.8





#54

o-xylene

Concen: 95.966 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. 0.00 min

Lab File: VU033692.D

Acq: 09 Aug 2019 18:36

Instrument :

MSVOA_U

ClientSampleId :

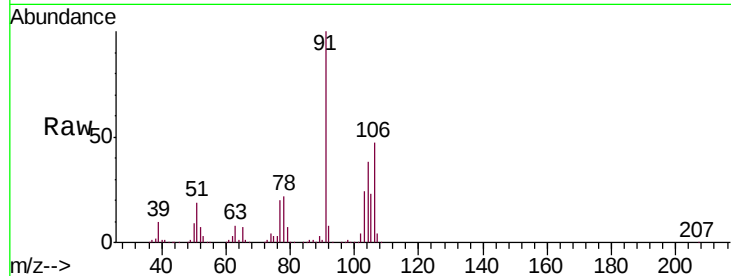
VSTD10035

Tgt Ion:106 Resp: 504969

Ion Ratio Lower Upper

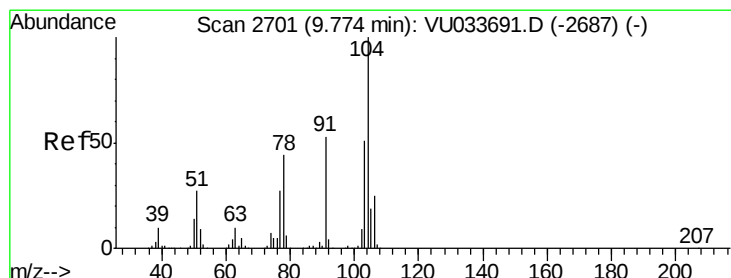
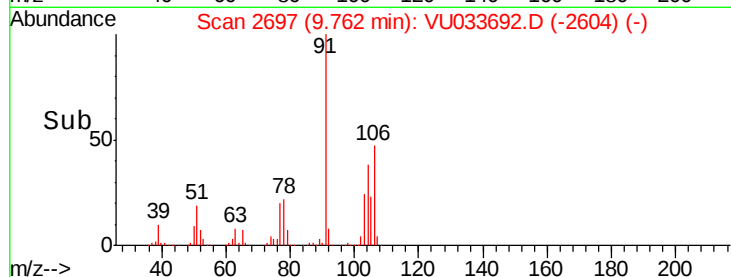
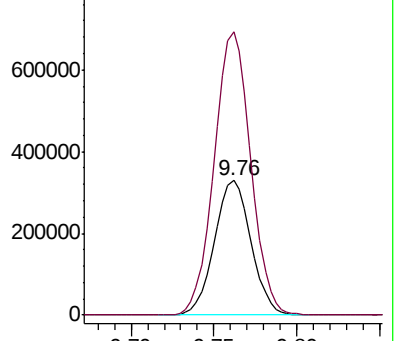
106 100

91 210.7 150.9 280.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 96.711 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU033692.D

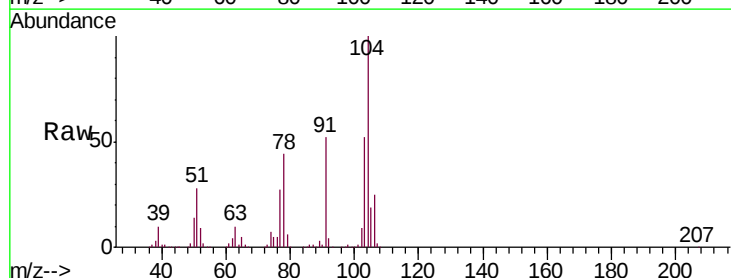
Acq: 09 Aug 2019 18:36

Tgt Ion:104 Resp: 864029

Ion Ratio Lower Upper

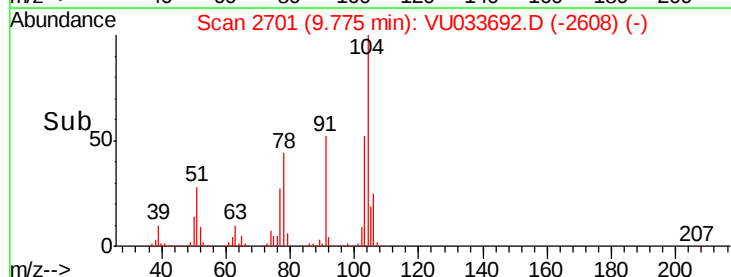
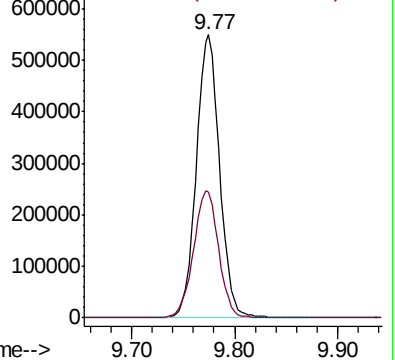
104 100

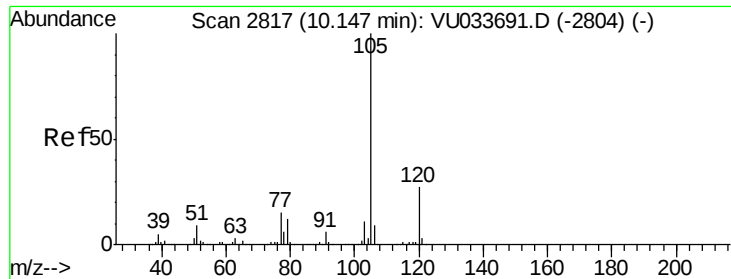
78 44.4 31.0 57.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 97.571 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU033692.D

Acq: 09 Aug 2019 18:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD10035

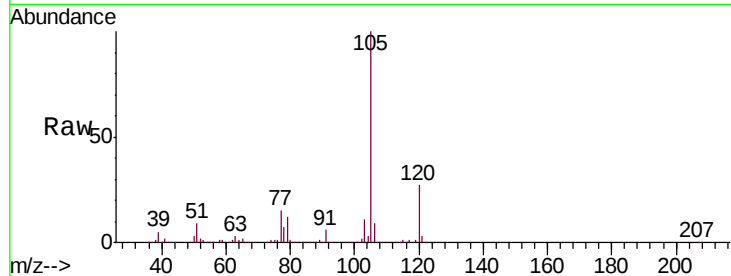
Tgt Ion:105 Resp: 1325398

Ion Ratio Lower Upper

105 100

120 27.0 21.6 32.4

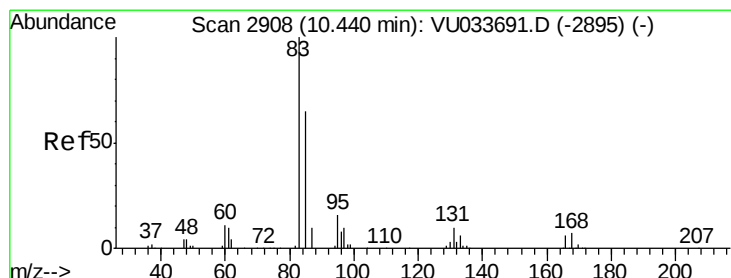
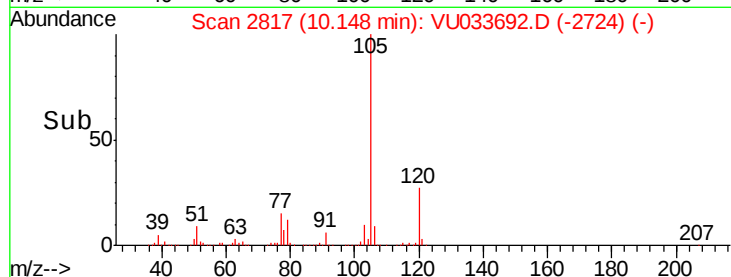
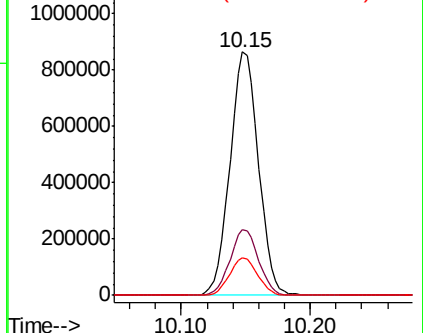
77 15.4 12.3 18.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 87.181 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033692.D

Acq: 09 Aug 2019 18:36

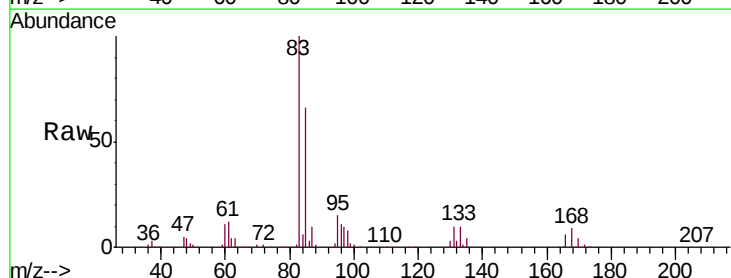
Tgt Ion: 83 Resp: 501485

Ion Ratio Lower Upper

83 100

85 65.8 45.8 85.0

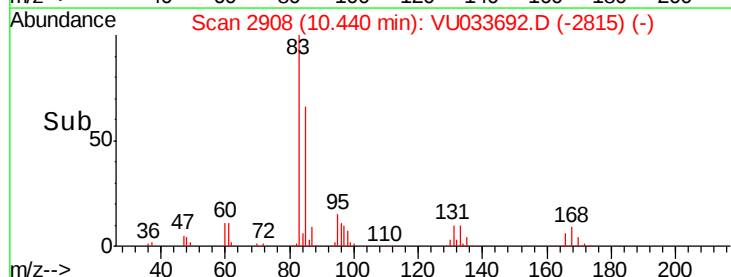
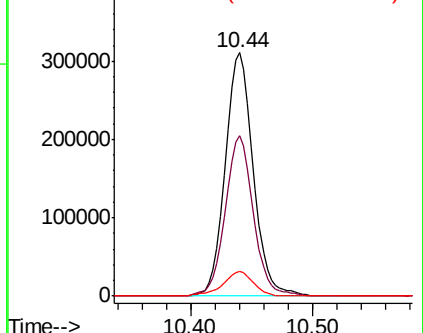
131 10.0 8.1 12.1

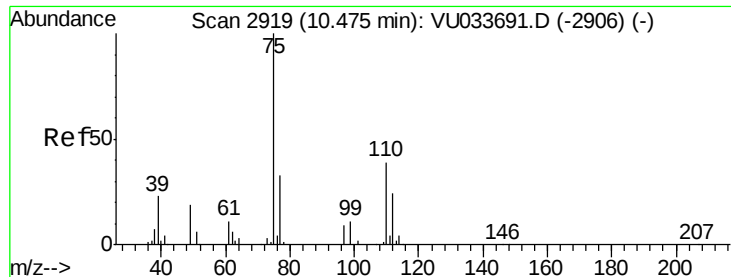


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

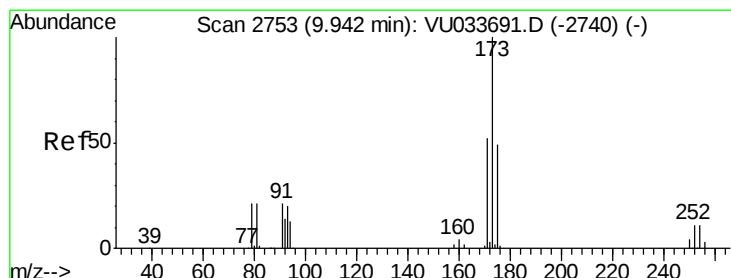
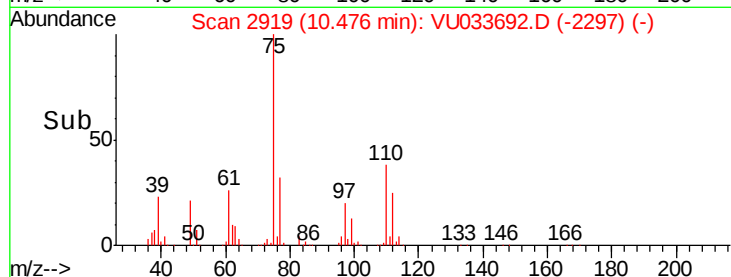
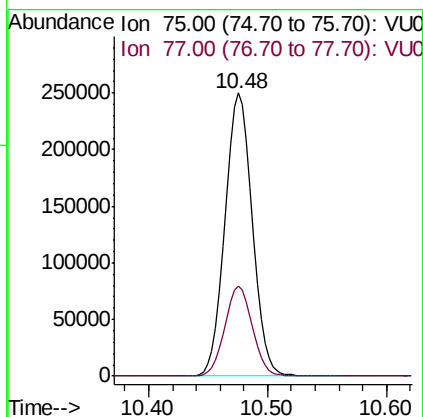
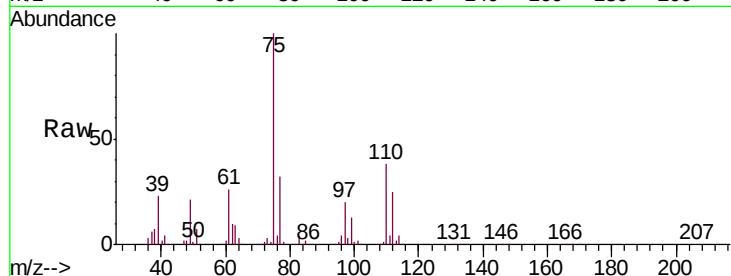




#59
 1,2,3-Trichloropropane
 Concen: 89.190 ug/L
 RT: 10.48 min Scan# 2919
 Delta R.T. 0.00 min
 Lab File: VU033692.D
 Acq: 09 Aug 2019 18:36

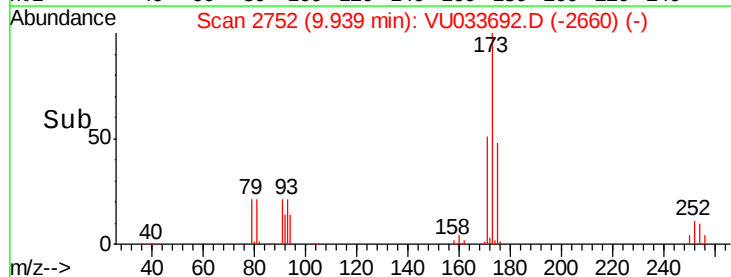
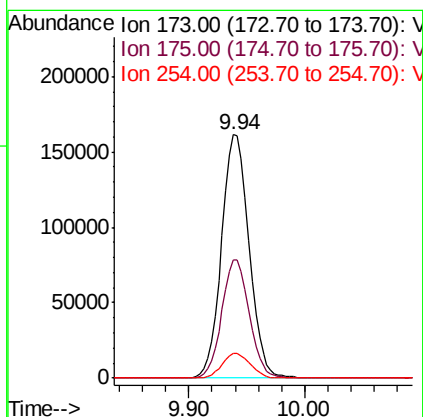
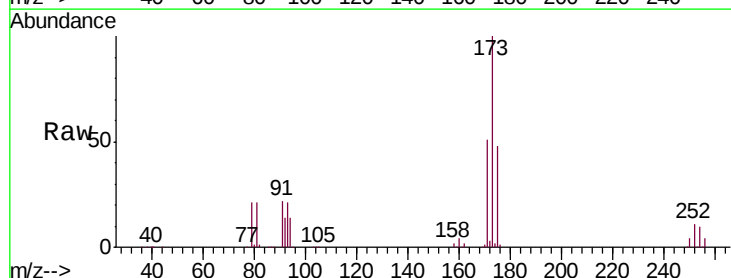
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10035

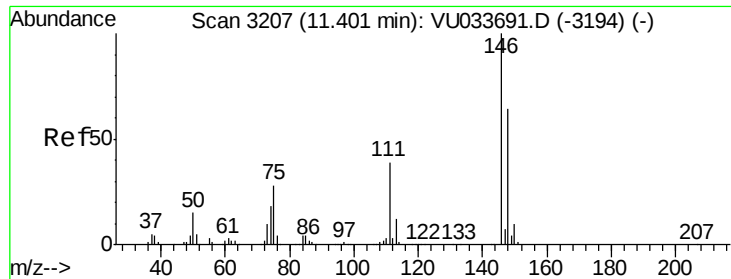
Tgt Ion: 75 Resp: 397540
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.4 39.6



#61
 Bromoform
 Concen: 94.270 ug/L
 RT: 9.94 min Scan# 2752
 Delta R.T. -0.00 min
 Lab File: VU033692.D
 Acq: 09 Aug 2019 18:36

Tgt Ion: 173 Resp: 265104
 Ion Ratio Lower Upper
 173 100
 175 48.5 39.8 59.8
 254 10.3 8.4 12.6

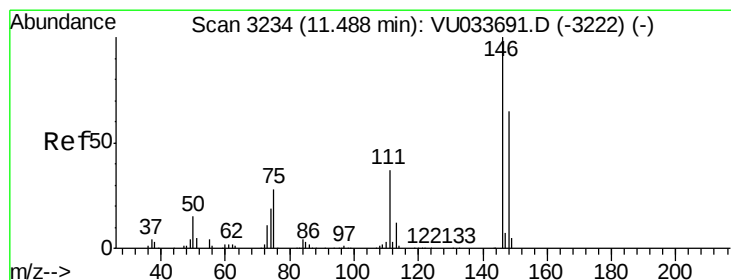
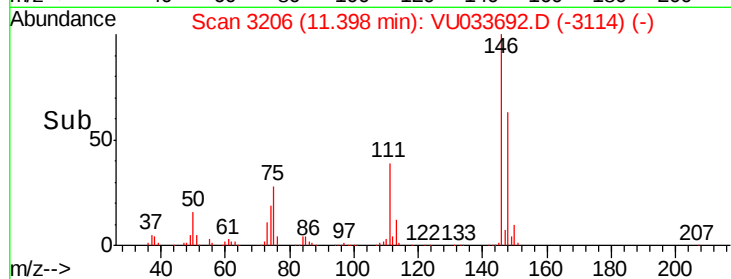
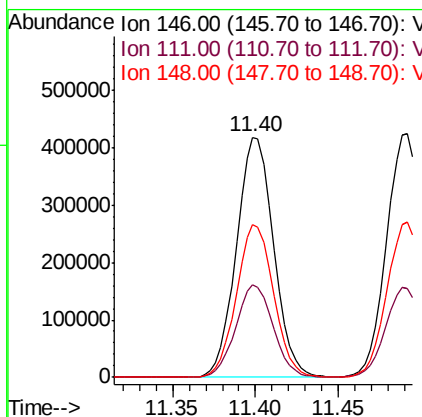
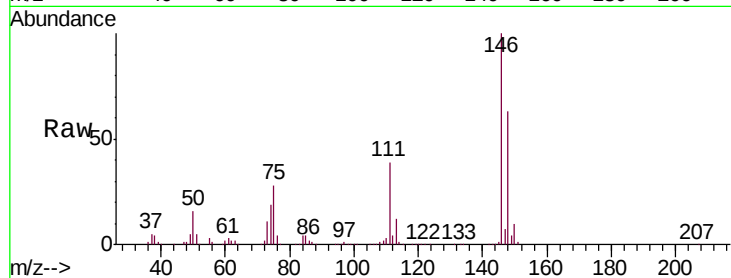




#62
 1,3-Dichlorobenzene
 Concen: 92.151 ug/L
 RT: 11.40 min Scan# 3206
 Delta R.T. -0.00 min
 Lab File: VU033692.D
 Acq: 09 Aug 2019 18:36

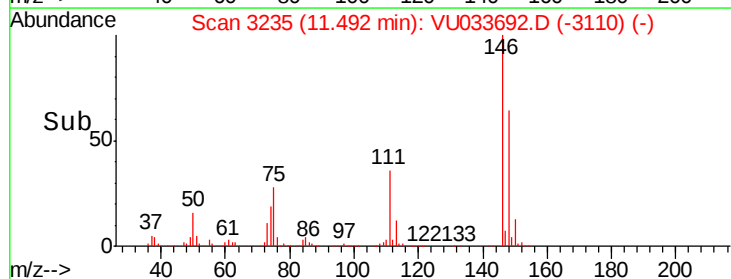
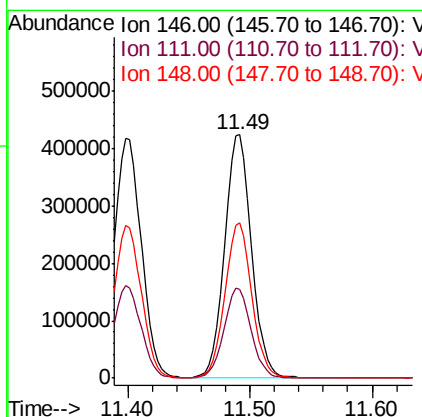
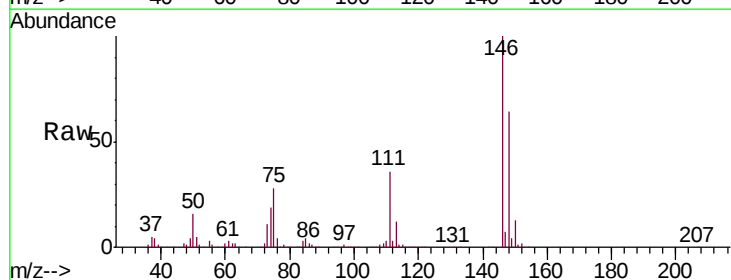
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10035

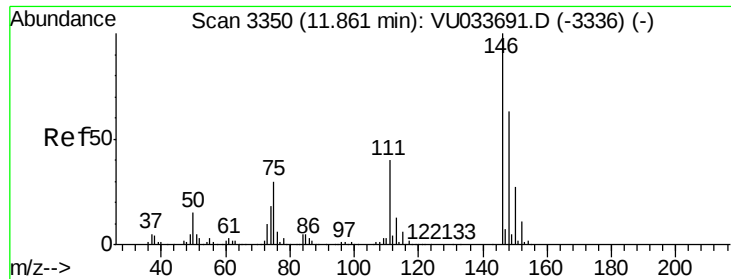
Tgt Ion:146 Resp: 652166
 Ion Ratio Lower Upper
 146 100
 111 38.5 27.0 50.2
 148 63.5 44.7 82.9



#63
 1,4-Dichlorobenzene
 Concen: 89.544 ug/L
 RT: 11.49 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU033692.D
 Acq: 09 Aug 2019 18:36

Tgt Ion:146 Resp: 655415
 Ion Ratio Lower Upper
 146 100
 111 36.5 26.0 48.4
 148 64.0 45.3 84.1

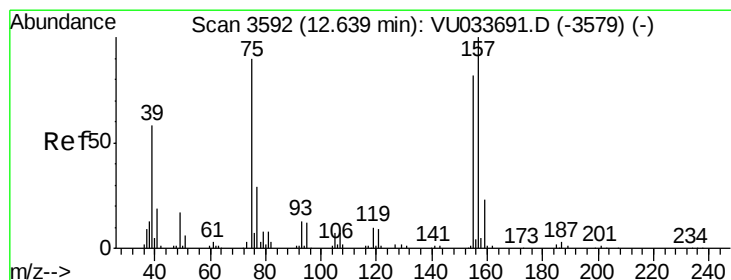
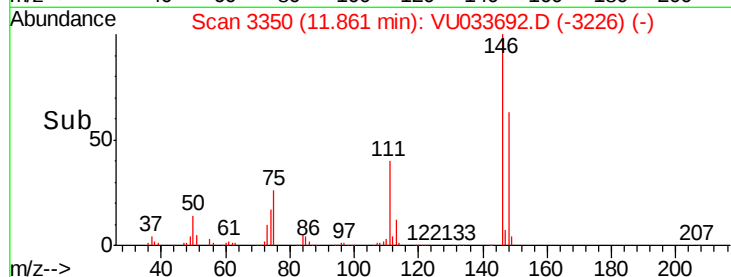
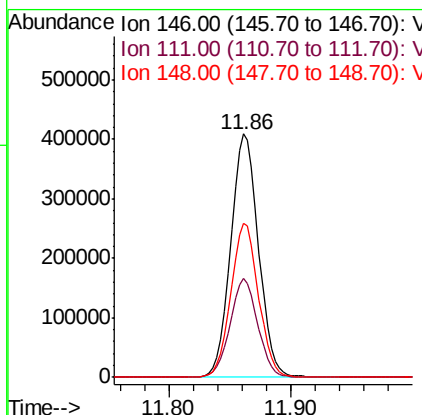
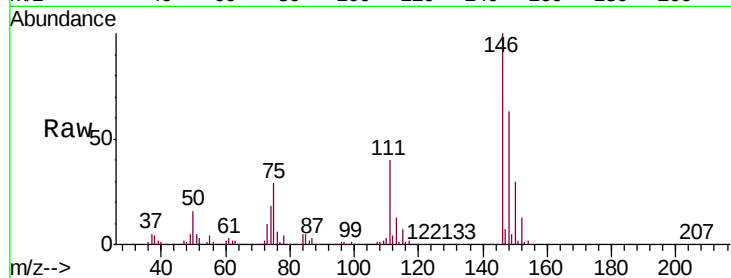




#65
 1,2-Dichlorobenzene
 Concen: 90.475 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU033692.D
 Acq: 09 Aug 2019 18:36

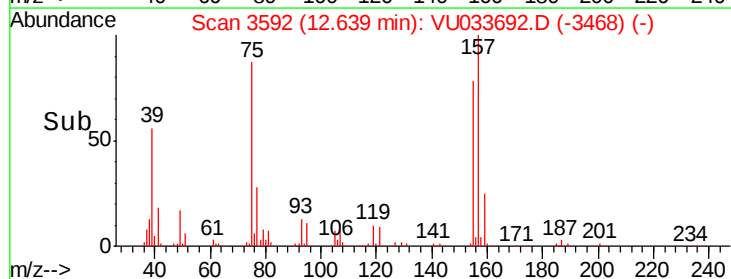
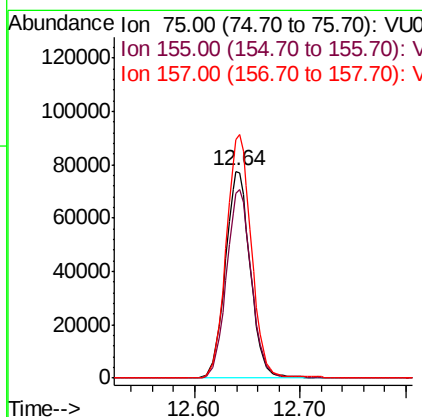
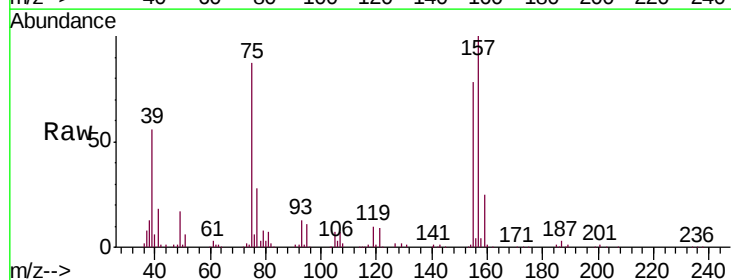
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10035

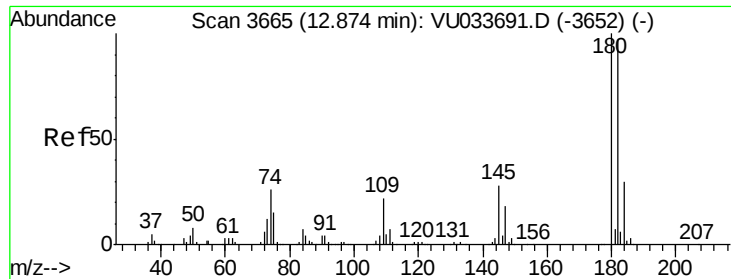
Tgt Ion: 146 Resp: 646804
 Ion Ratio Lower Upper
 146 100
 111 40.4 32.2 48.2
 148 63.5 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 94.232 ug/L
 RT: 12.64 min Scan# 3592
 Delta R.T. 0.00 min
 Lab File: VU033692.D
 Acq: 09 Aug 2019 18:36

Tgt Ion: 75 Resp: 125775
 Ion Ratio Lower Upper
 75 100
 155 89.6 72.7 109.1
 157 115.3 88.6 132.8

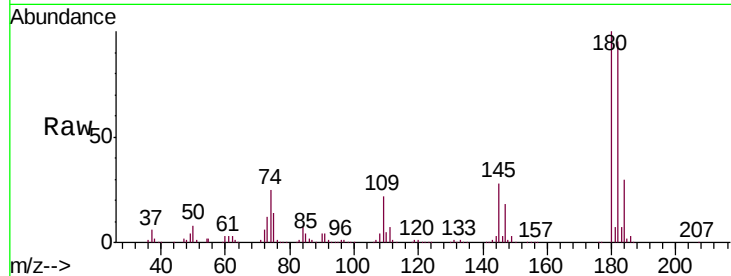




#67
 1,3,5-Trichlorobenzene
 Concen: 98.264 ug/L
 RT: 12.87 min Scan# 3665
 Delta R.T. 0.00 min
 Lab File: VU033692.D
 Acq: 09 Aug 2019 18:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10035

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.5	114.7
184	30.4	24.2	36.2
145	27.6	22.3	33.5



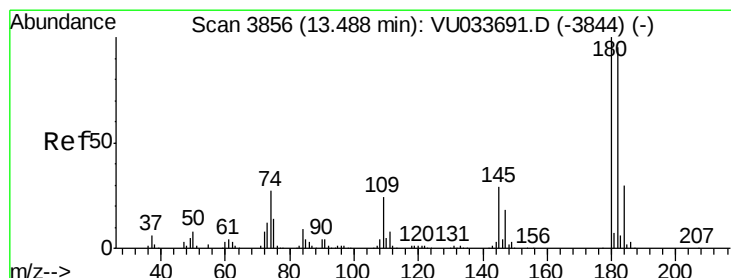
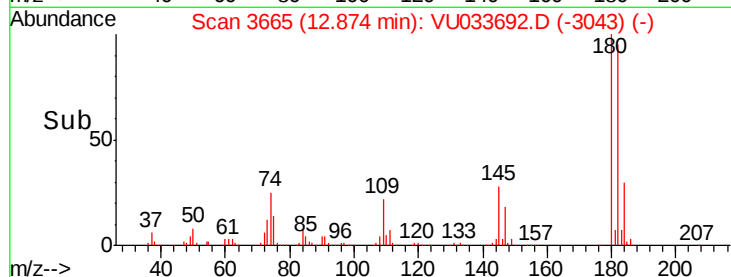
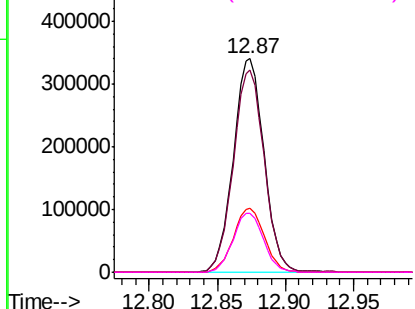
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

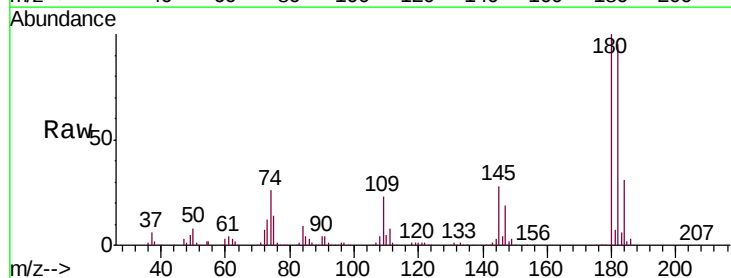
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 110.297 ug/L
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU033692.D
 Acq: 09 Aug 2019 18:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	78.2	117.4
145	28.5	23.5	35.3

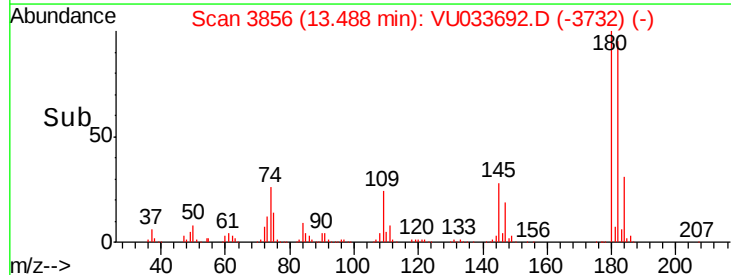
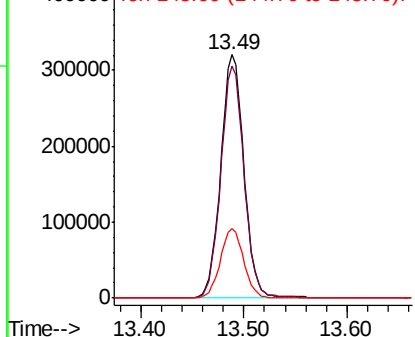


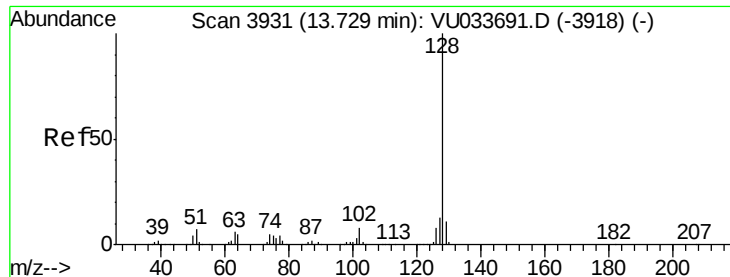
Abundance

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: 116.641 ug/L

RT: 13.73 min Scan# 3930

Delta R.T. -0.00 min

Lab File: VU033692.D

Acq: 09 Aug 2019 18:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD10035

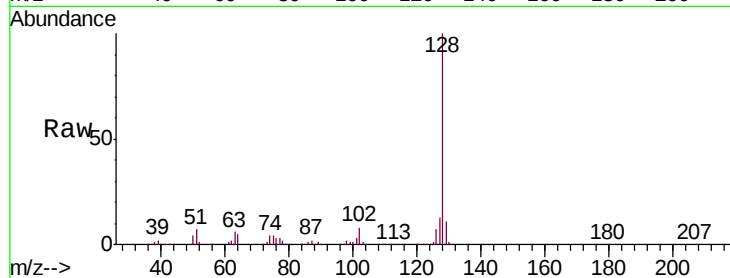
Tgt Ion:128 Resp: 1555905

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

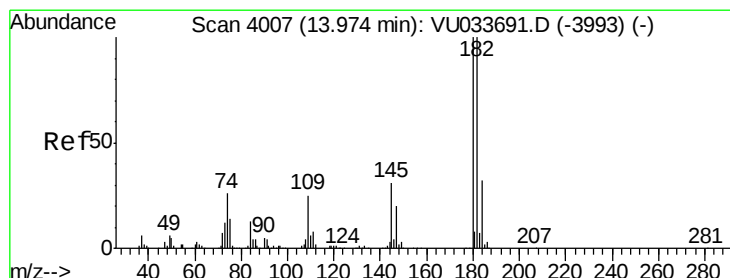
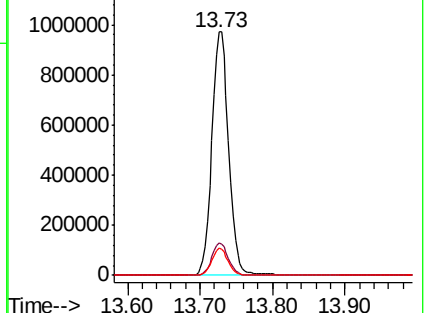
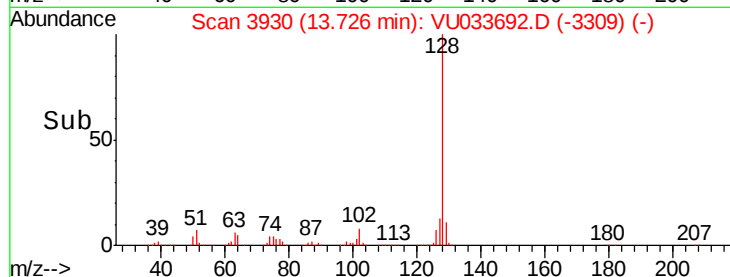
129 10.7 8.6 13.0



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: 107.525 ug/L

RT: 13.97 min Scan# 4007

Delta R.T. 0.00 min

Lab File: VU033692.D

Acq: 09 Aug 2019 18:36

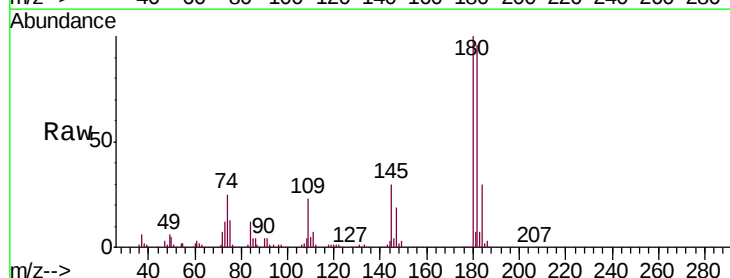
Tgt Ion:180 Resp: 507647

Ion Ratio Lower Upper

180 100

182 95.9 78.5 117.7

145 30.4 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

