

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101919\
 Data File : VU035299.D
 Acq On : 19 Oct 2019 06:51
 Operator : JC/SP
 Sample : VSTD00534
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00534

Manual Integrations
 APPROVED

MMDadoda
 10/21/2019 8:36:11 AM

Quant Time: Oct 21 04:57:37 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M

Quant Title : VOC Analysis

QLast Update : Mon Oct 21 04:45:11 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	627883	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	604263	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	217690	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	26147	4.82	ug/L	0.00
7) Chloroethane-d5	1.94	69	21767	4.75	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.60	63	53035	5.94	ug/L	0.00
21) 2-Butanone-d5	4.70	46	29523	8.32	ug/L	0.00
24) Chloroform-d	5.11	84	44728	5.01	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	27247	4.80	ug/L	0.00
32) Benzene-d6	5.77	84	85730	4.84	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.74	67	26416	4.72	ug/L	0.00
41) Toluene-d8	7.93	98	79084	4.72	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	13032	4.45	ug/L	0.00
47) 2-Hexanone-d5	8.69	63	19365m	8.00	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.79	84	37480	4.61	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.22	152	24476	5.18	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	51691	10.211 ug/L	100
3) Chloromethane	1.54	50	51430	10.058 ug/L	97
5) Vinyl chloride	1.62	62	52723	9.946 ug/L	96
6) Bromomethane	1.88	94	30279	9.796 ug/L	99
8) Chloroethane	1.96	64	33418	10.247 ug/L	95
9) Trichlorofluoromethane	2.16	101	69380	10.322 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	39837	10.009 ug/L	98
12) 1,1-Dichloroethene	2.61	96	37759m	9.928 ug/L	
13) Acetone	2.67	43	69161	21.430 ug/L	98
14) Carbon disulfide	2.83	76	115456	9.918 ug/L	100
15) Methyl Acetate	3.00	43	44201	9.536 ug/L	99
16) Methylene chloride	3.09	84	44254	9.826 ug/L	98
17) trans-1,2-Dichloroethene	3.40	96	40367	9.870 ug/L	94
18) Methyl tert-butyl Ether	3.42	73	125155	9.548 ug/L	99
19) 1,1-Dichloroethane	3.92	63	76910	9.792 ug/L	98
20) cis-1,2-Dichloroethene	4.72	96	45166	9.768 ug/L	98
22) 2-Butanone	4.78	43	73328	18.869 ug/L	99
23) Bromochloromethane	5.03	128	22076	9.497 ug/L	98
25) Chloroform	5.14	83	77116	9.600 ug/L	99
27) 1,2-Dichloroethane	5.84	62	63408	10.080 ug/L	98
29) Cyclohexane	5.43	56	66356	9.768 ug/L	100
30) 1,1,1-Trichloroethane	5.37	97	66016	9.947 ug/L	100
31) Carbon tetrachloride	5.57	117	58690	10.097 ug/L	98
33) Benzene	5.82	78	168331	9.749 ug/L	100
34) Trichloroethene	6.58	95	44152	9.984 ug/L	98
35) Methylcyclohexane	6.80	83	64474	9.481 ug/L	96
37) 1,2-Dichloropropane	6.84	63	45373	10.143 ug/L	99
38) Bromodichloromethane	7.15	83	59886	10.094 ug/L	100
39) cis-1,3-Dichloropropene	7.65	75	67954	9.392 ug/L	100
40) 4-Methyl-2-pentanone	7.85	43	119008	18.865 ug/L	97

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 QLast Update : Mon Oct 21 04:45:11 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.01	91	181677	9.726	ug/L	99
44) trans-1,3-Dichloropropene	8.25	75	60827	9.018	ug/L	100
45) 1,1,2-Trichloroethane	8.44	97	43171	9.964	ug/L	98
46) Tetrachloroethene	8.58	164	36034	10.138	ug/L	98
48) 2-Hexanone	8.75	43	94273	18.033	ug/L	98
49) Dibromochloromethane	8.84	129	46104	9.423	ug/L	95
50) 1,2-Dibromoethane	8.96	107	45306	9.425	ug/L	100
51) Chlorobenzene	9.48	112	118016	9.815	ug/L	98
52) Ethylbenzene	9.60	91	197097	9.548	ug/L	99
53) m,p-Xylene	9.73	106	72236	9.532	ug/L	97
54) o-xylene	10.13	106	70872	9.226	ug/L	100
55) Styrene	10.15	104	107566	8.431	ug/L	97
56) Isopropylbenzene	10.51	105	180770	9.178	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.82	83	72000	9.477	ug/L	97
59) 1,2,3-Trichloropropane	10.86	75	56062	9.444	ug/L	98
61) Bromoform	10.32	173	34301	11.419	ug/L	99
62) 1,3-Dichlorobenzene	11.78	146	69891	10.124	ug/L	98
63) 1,4-Dichlorobenzene	11.87	146	70315	10.384	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	70565	10.239	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.03	75	9888	9.046	ug/L	95
67) 1,3,5-Trichlorobenzene	13.25	180	30325	7.762	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	13054	5.256	ug/L	99
69) Naphthalene	14.11	128	36003	5.804	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	13553	5.171	ug/L	96

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

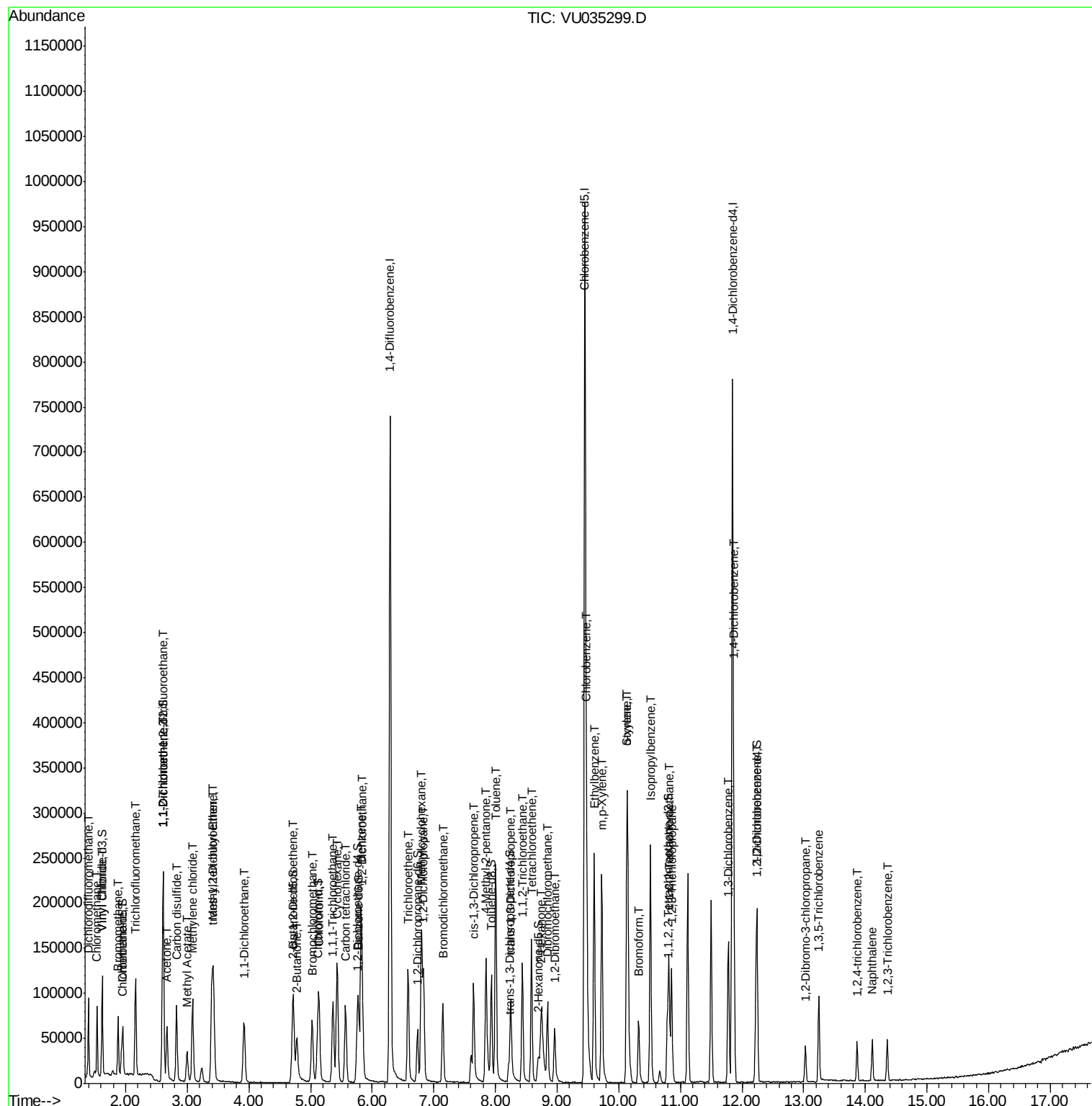
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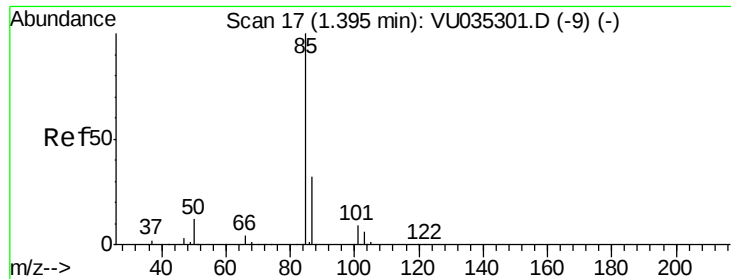
Instrument :
MSVOA_U
ClientSampleId :
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#2

Dichlorodifluoromethane

Concen: 10.211 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU035299.D

Acq: 19 Oct 2019 06:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00534

Tgt Ion: 85 Resp: 51691

Ion Ratio Lower Upper

85 100

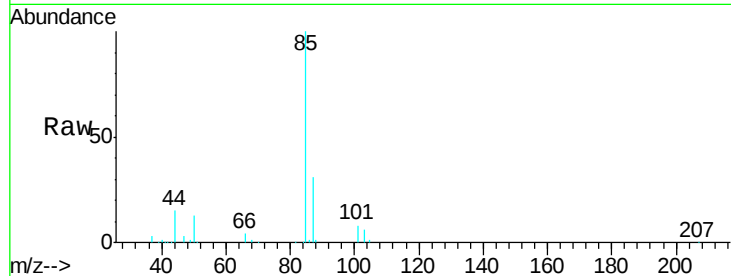
87 31.8 25.5 38.3

Manual Integrations

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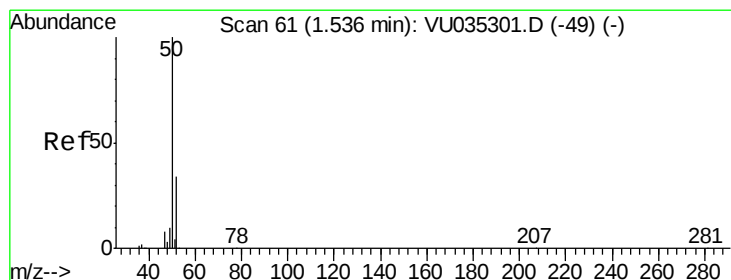
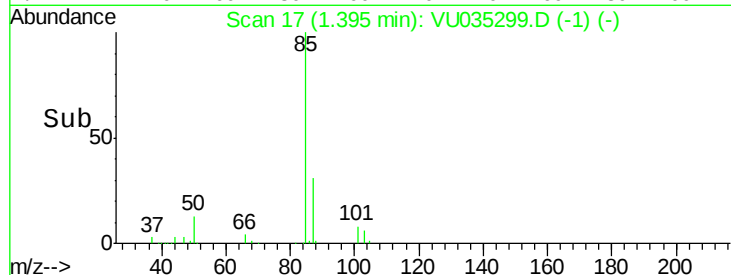
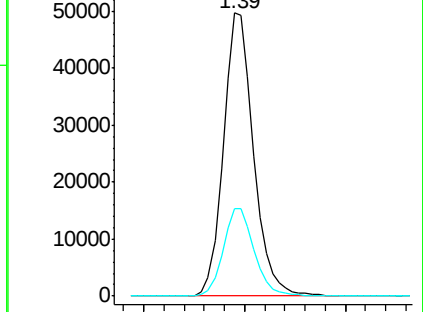
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Abundance Ion 85.00 (84.70 to 85.70): VU035301.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU035301.D (-9) (-)



#3

Chloromethane

Concen: 10.058 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU035299.D

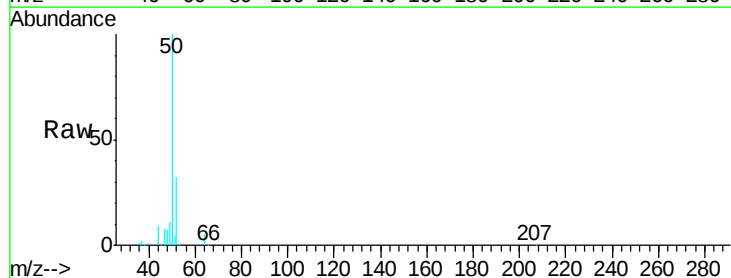
Acq: 19 Oct 2019 06:51

Tgt Ion: 50 Resp: 51430

Ion Ratio Lower Upper

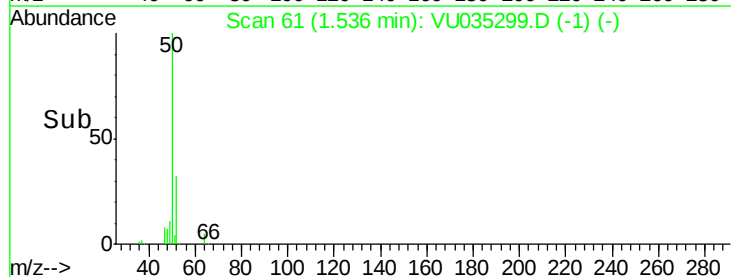
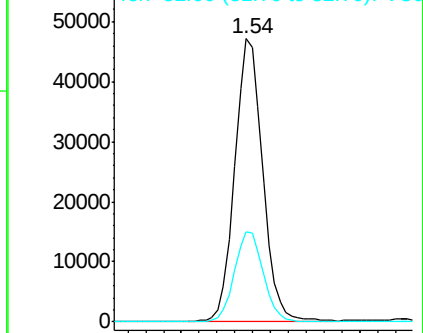
50 100

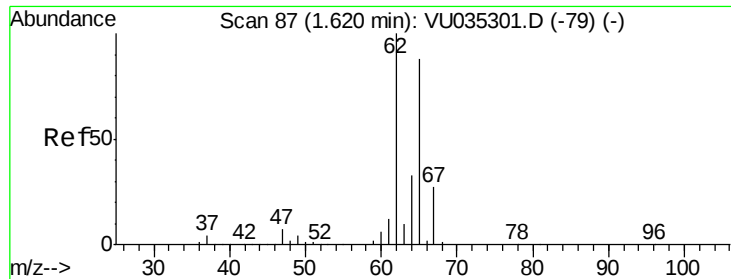
52 32.0 23.6 43.8



Abundance Ion 50.00 (49.70 to 50.70): VU035301.D (-49) (-)

Ion 52.00 (51.70 to 52.70): VU035301.D (-49) (-)





#5

Vinyl chloride

Concen: 9.946 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VU035299.D

Acq: 19 Oct 2019 06:51

Instrument :

MSVOA_U

ClientSampled :

VSTD00534

Tgt Ion: 62 Resp: 52723

Ion Ratio Lower Upper

62 100

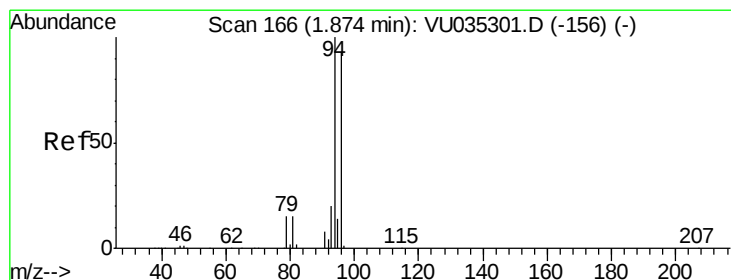
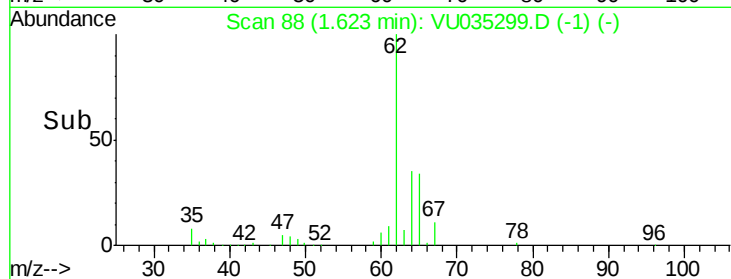
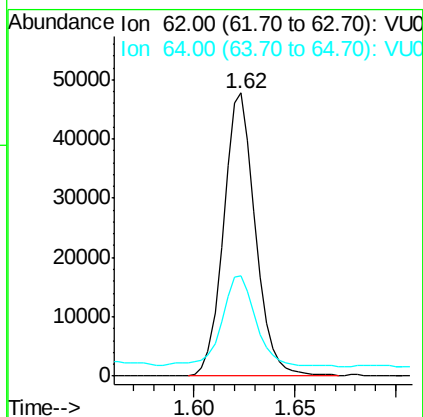
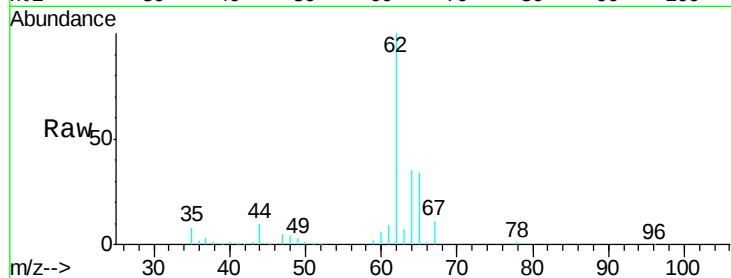
64 35.5 23.4 43.4

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10/21/2019 8:36:11 AM



#6

Bromomethane

Concen: 9.796 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU035299.D

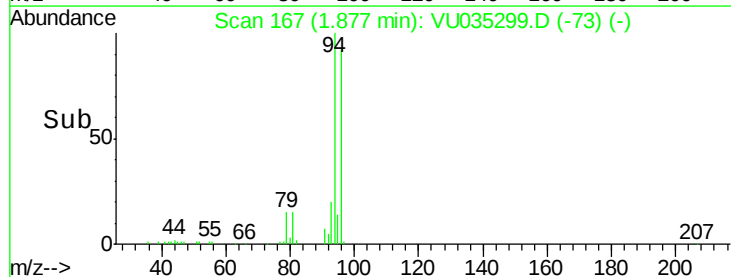
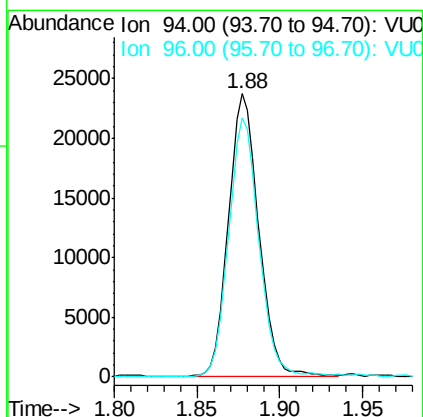
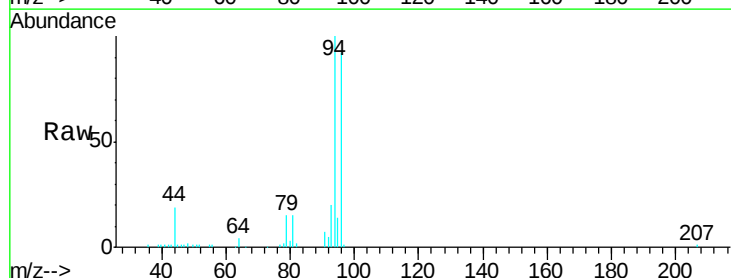
Acq: 19 Oct 2019 06:51

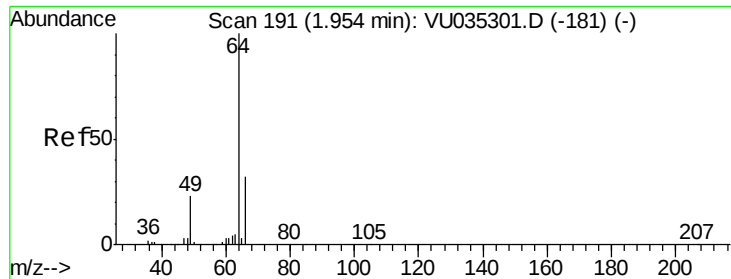
Tgt Ion: 94 Resp: 30279

Ion Ratio Lower Upper

94 100

96 91.6 65.0 120.8





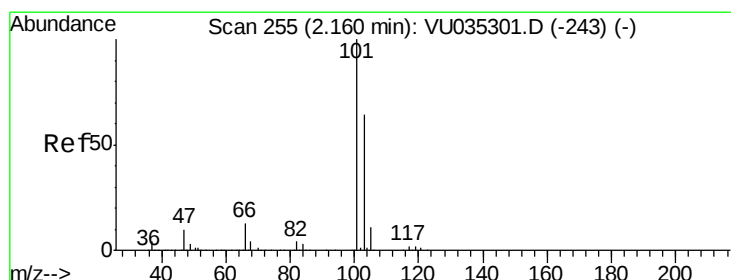
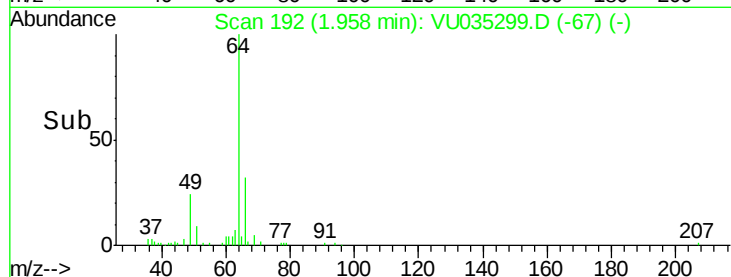
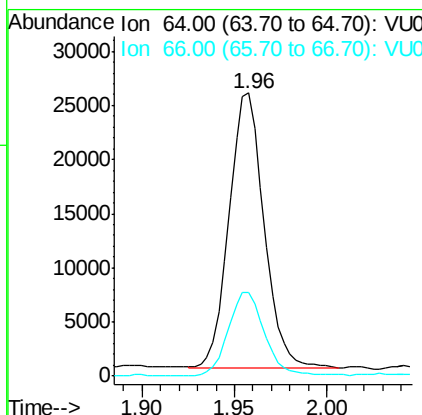
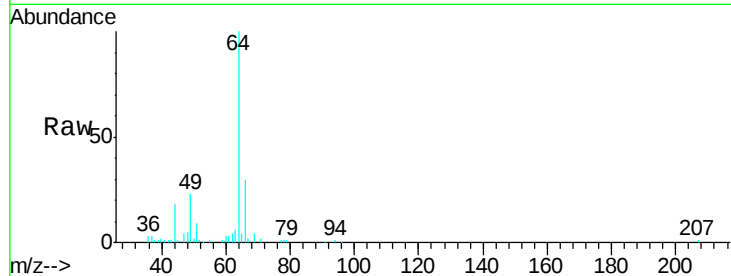
#8
Chloroethane
Concen: 10.247 ug/L
RT: 1.96 min Scan# 192
Delta R.T. 0.00 min
Lab File: VU035299.D
Acq: 19 Oct 2019 06:51

Instrument :
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ClientSampleId :
VSTD00534

Tgt Ion	Ratio	Lower	Upper
64	100		
66	29.5	22.5	41.9

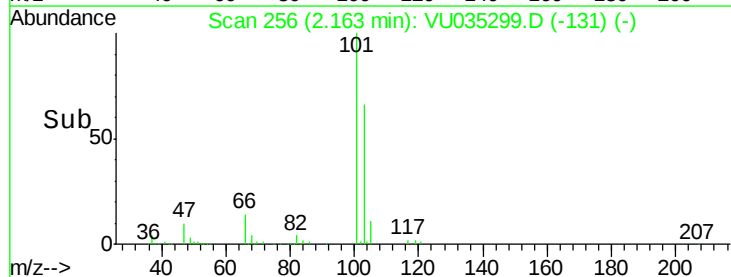
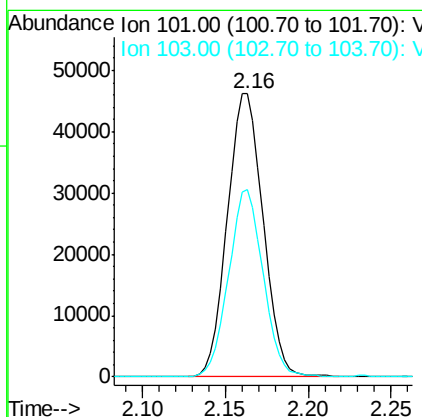
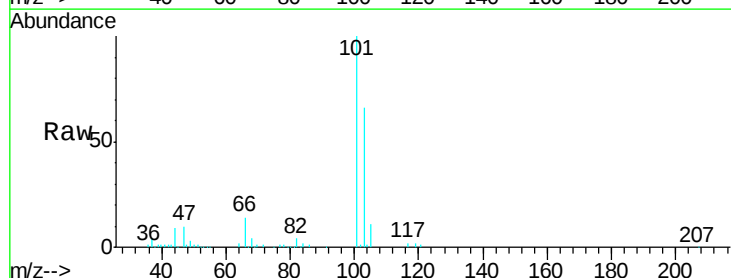
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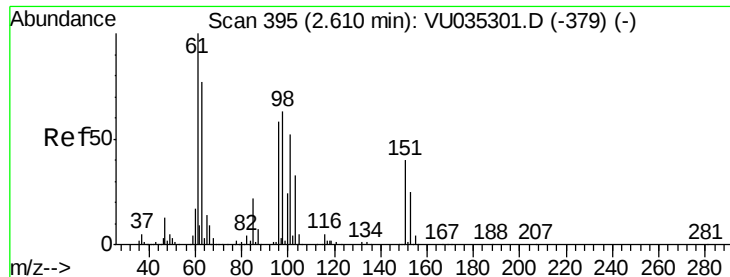
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#9
Trichlorofluoromethane
Concen: 10.322 ug/L
RT: 2.16 min Scan# 256
Delta R.T. 0.00 min
Lab File: VU035299.D
Acq: 19 Oct 2019 06:51

Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.4	77.0





#10

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

Concen: 10.009 ug/L

RT: 2.61 min Scan# 395

Delta R.T. -0.00 min

Lab File: VU035299.D

Acq: 19 Oct 2019 06:51

Instrument :

MSVOA_U

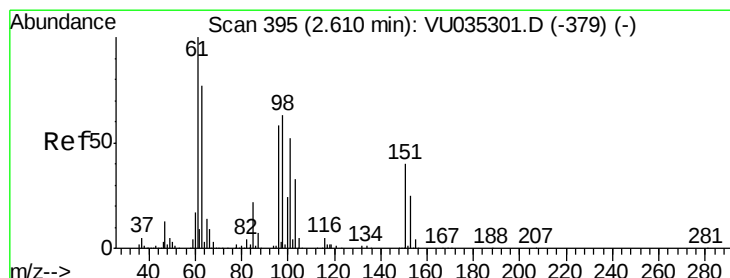
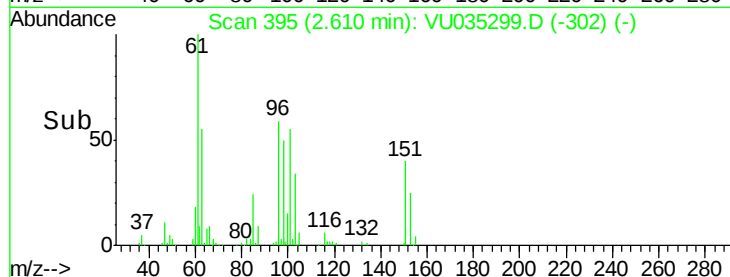
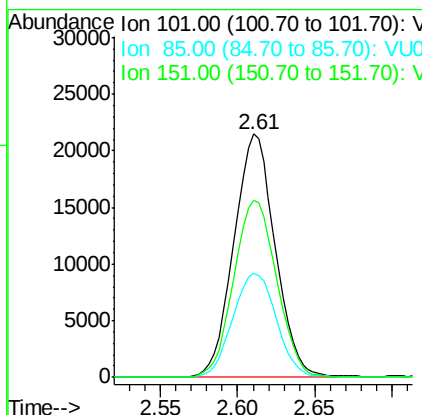
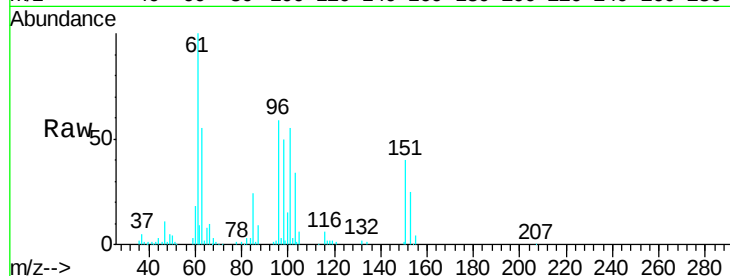
ClientSampleId :

VSTD00534

Tgt Ion:	101	Resp:	39837
Ion Ratio	Lower	Upper	
101	100		
85	45.1	33.7	50.5
151	75.5	60.3	90.5

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10/21/2019 8:36:11 AM



#12

1,1-Dichloroethene

Concen: 9.928 ug/L m

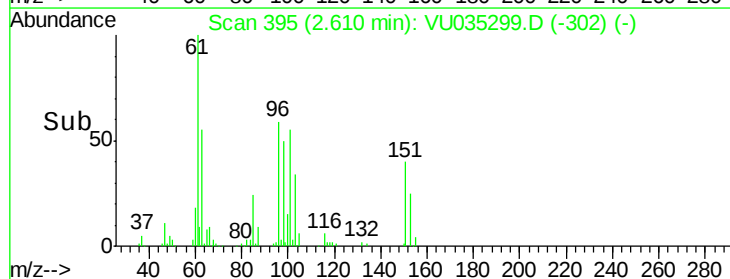
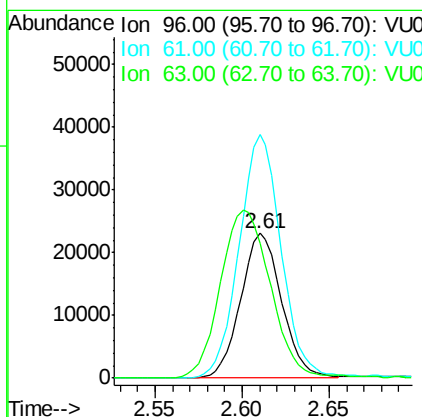
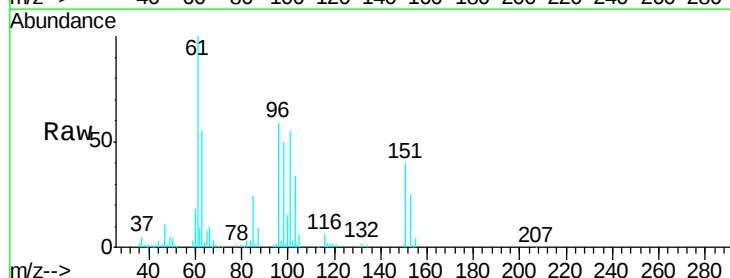
RT: 2.61 min Scan# 395

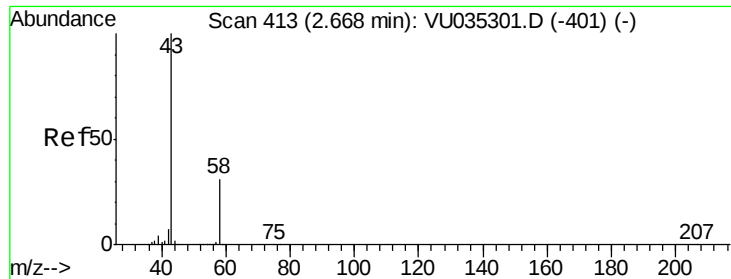
Delta R.T. -0.00 min

Lab File: VU035299.D

Acq: 19 Oct 2019 06:51

Tgt Ion:	96	Resp:	37759
Ion Ratio	Lower	Upper	
96	100		
61	168.2	121.1	224.9
63	93.2	93.9	174.3#





#13

Acetone

Concen: 21.430 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU035299.D

Acq: 19 Oct 2019 06:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00534

Tgt Ion: 43 Resp: 69161

Ion Ratio Lower Upper

43 100

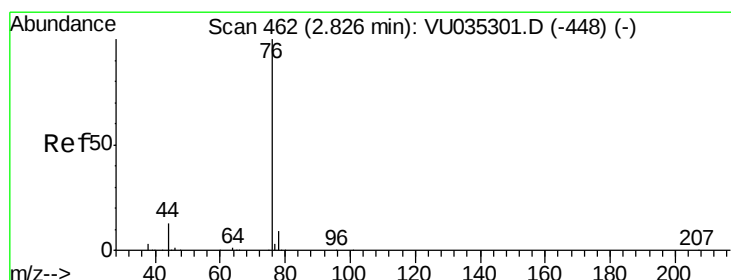
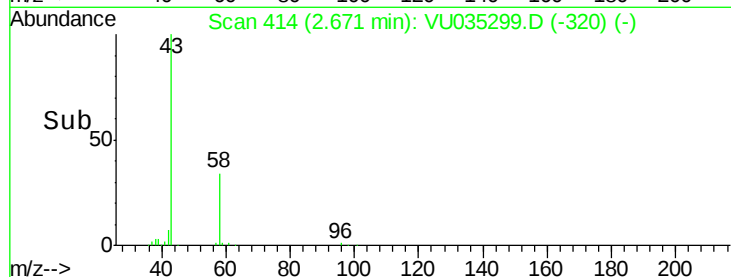
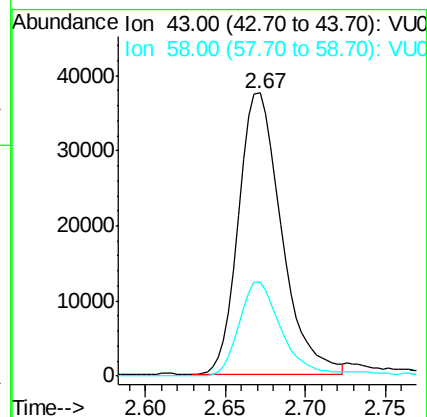
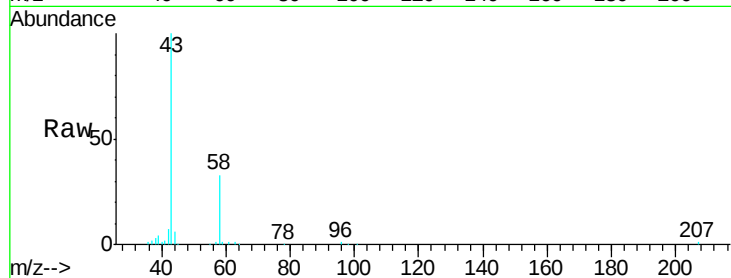
58 32.7 0.0 62.8

Manual Integrations

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#14

Carbon disulfide

Concen: 9.918 ug/L

RT: 2.83 min Scan# 462

Delta R.T. -0.00 min

Lab File: VU035299.D

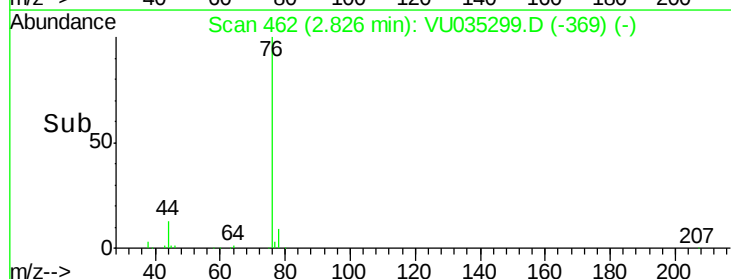
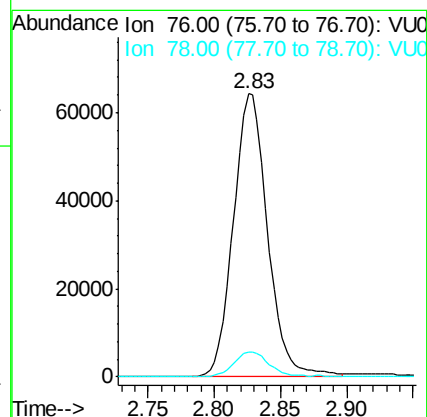
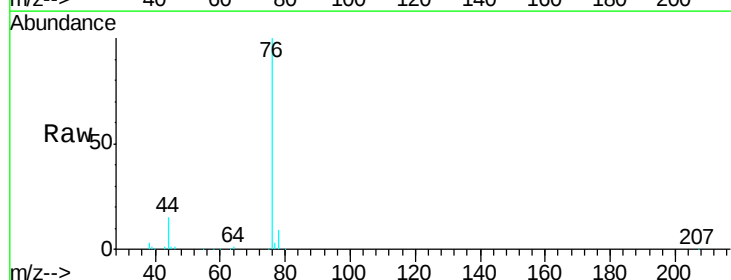
Acq: 19 Oct 2019 06:51

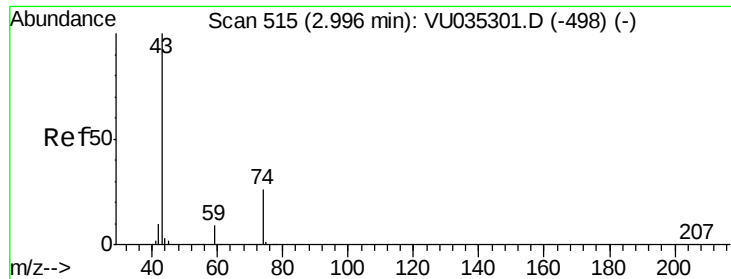
Tgt Ion: 76 Resp: 115456

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9





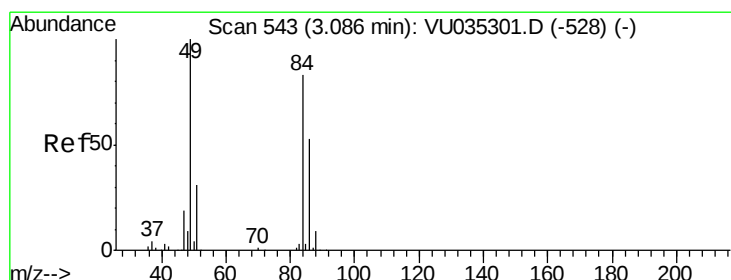
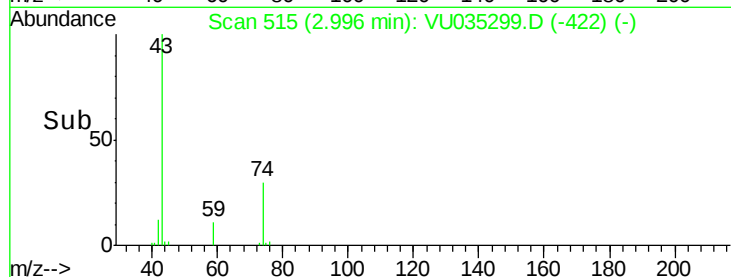
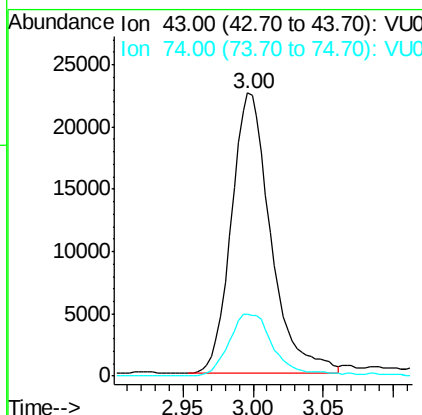
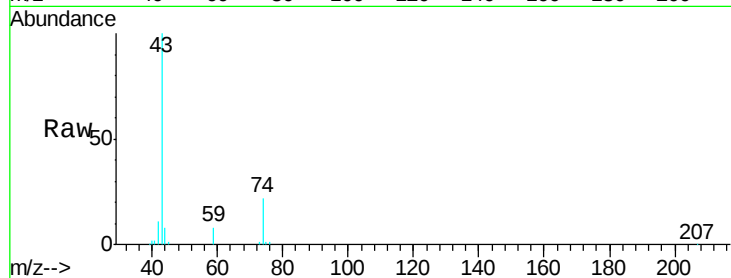
#15
Methyl Acetate
Concen: 9.536 ug/L
RT: 3.00 min Scan# 515
Delta R.T. -0.00 min
Lab File: VU035299.D
Acq: 19 Oct 2019 06:51

Instrument :
MSVOA_U
ClientSampleId :
VSTD00534

Tgt Ion: 43 Resp: 44201
Ion Ratio Lower Upper
43 100
74 24.9 20.3 30.5

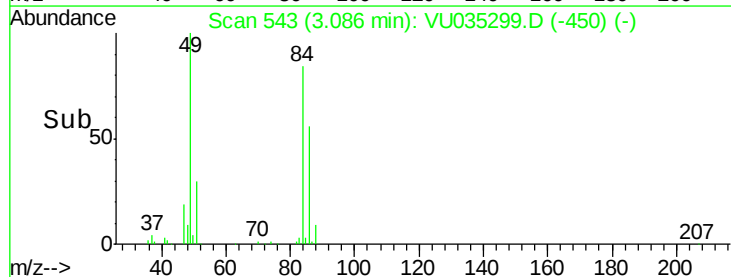
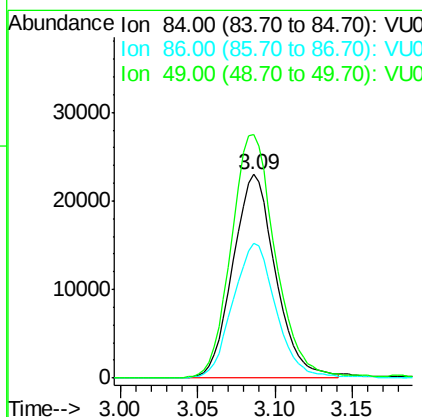
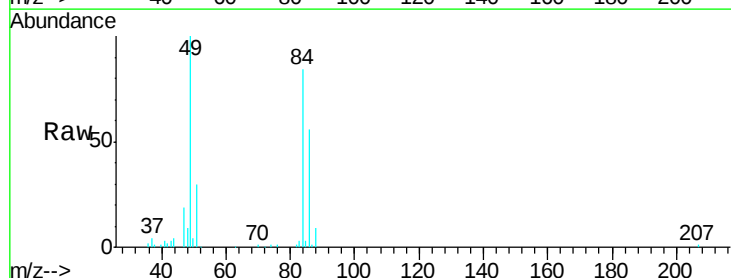
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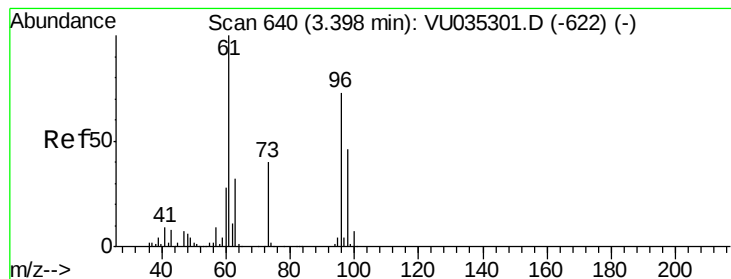
MMDadoda
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#16
Methylene chloride
Concen: 9.826 ug/L
RT: 3.09 min Scan# 543
Delta R.T. -0.00 min
Lab File: VU035299.D
Acq: 19 Oct 2019 06:51

Tgt Ion: 84 Resp: 44254
Ion Ratio Lower Upper
84 100
86 66.5 44.4 82.5
49 119.6 84.0 156.0





#17

trans-1,2-Dichloroethene

Concen: 9.870 ug/L

RT: 3.40 min Scan# 640

Delta R.T. -0.00 min

Lab File: VU035299.D

Acq: 19 Oct 2019 06:51

Instrument :

MSVOA_U

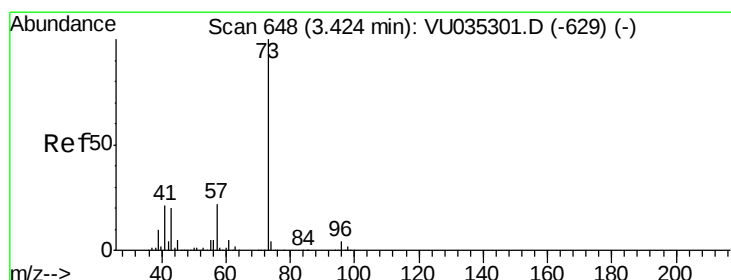
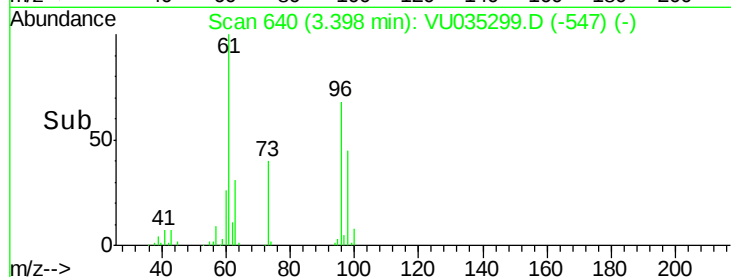
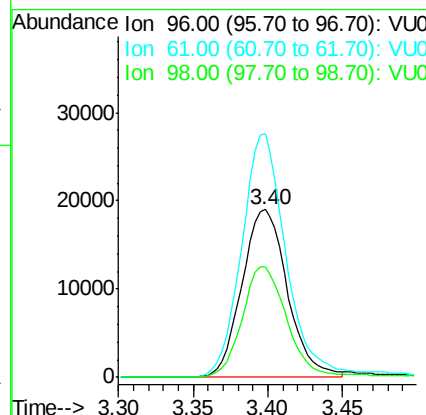
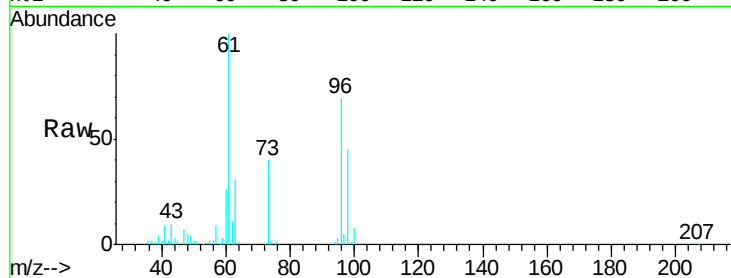
ClientSampleId :

VSTD00534

Tgt Ion:	96	Resp:	40367
Ion	Ratio	Lower	Upper
96	100		
61	145.4	95.8	178.0
98	65.6	44.4	82.4

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#18

Methyl tert-butyl Ether

Concen: 9.548 ug/L

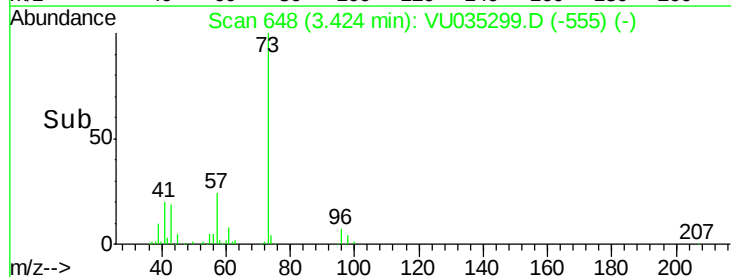
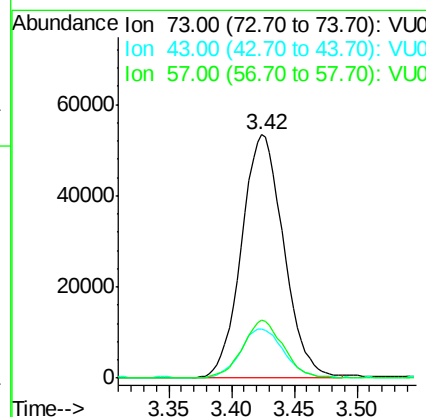
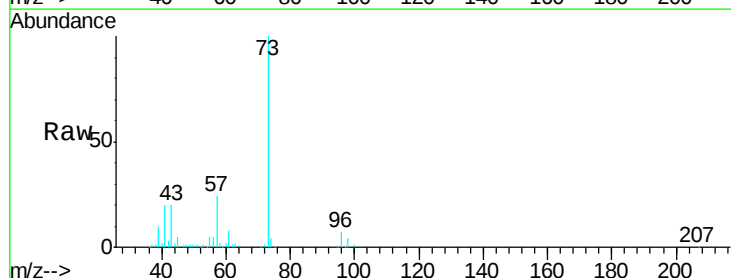
RT: 3.42 min Scan# 648

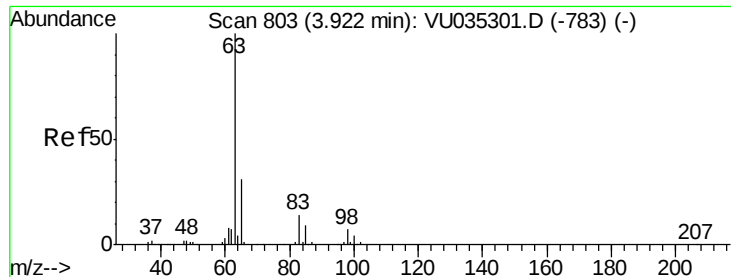
Delta R.T. -0.00 min

Lab File: VU035299.D

Acq: 19 Oct 2019 06:51

Tgt Ion:	73	Resp:	125155
Ion	Ratio	Lower	Upper
73	100		
43	20.2	16.0	24.0
57	22.9	17.6	26.4





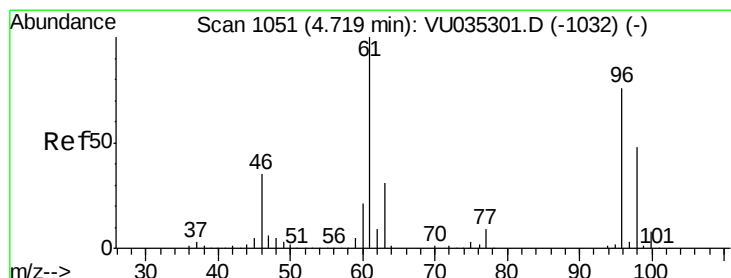
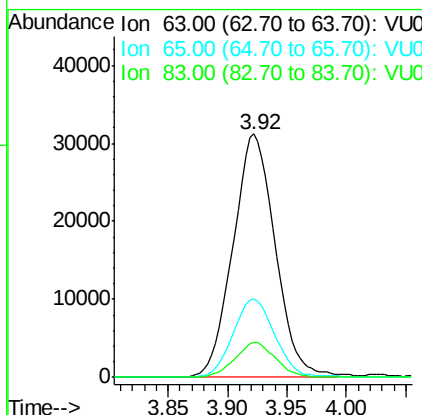
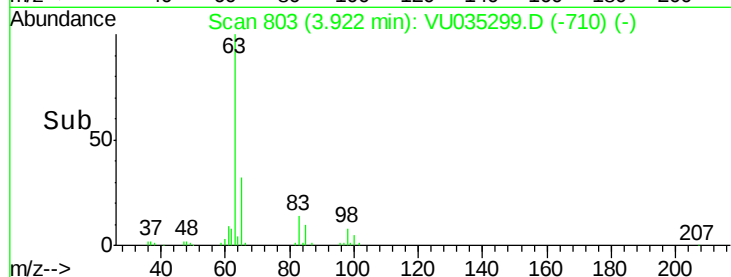
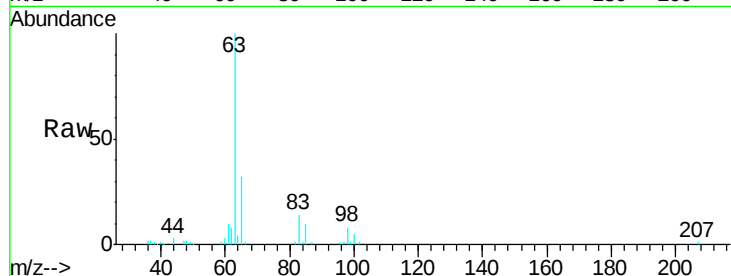
#19
 1,1-Dichloroethane
 Concen: 9.792 ug/L
 RT: 3.92 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: VU035299.D
 Acq: 19 Oct 2019 06:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00534

Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.1	21.6	40.0
83	14.4	9.4	17.6

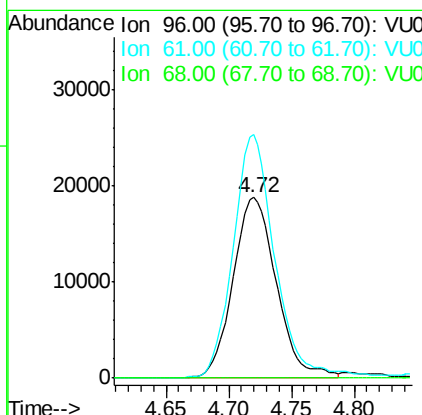
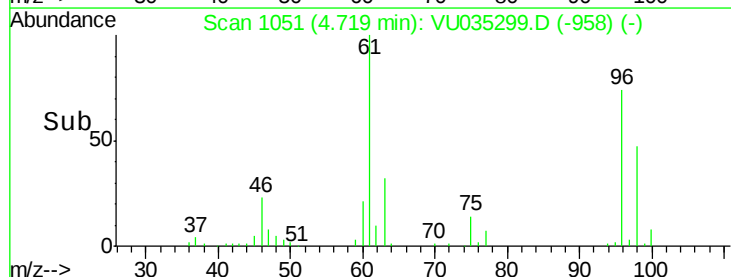
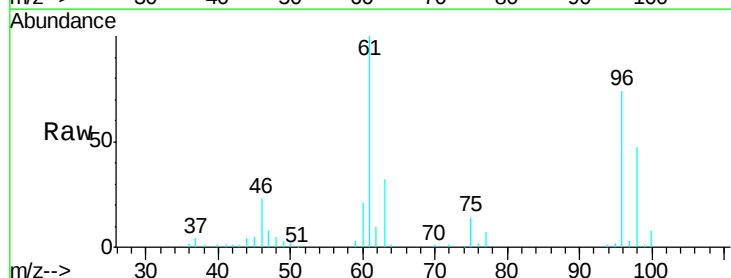
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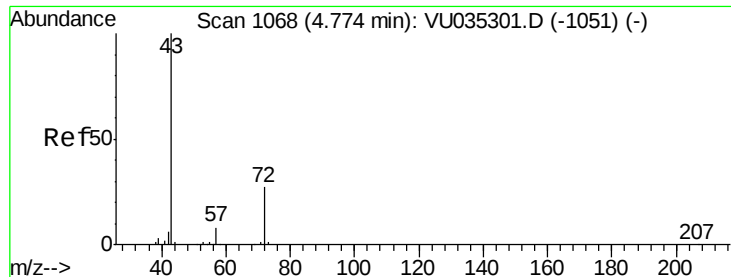
MMDadoda
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#20
 cis-1,2-Dichloroethene
 Concen: 9.768 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VU035299.D
 Acq: 19 Oct 2019 06:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	135.0	92.7	172.3
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 18.869 ug/L

RT: 4.78 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VU035299.D

Acq: 19 Oct 2019 06:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00534

Tgt Ion: 43 Resp: 73328

Ion Ratio Lower Upper

43 100

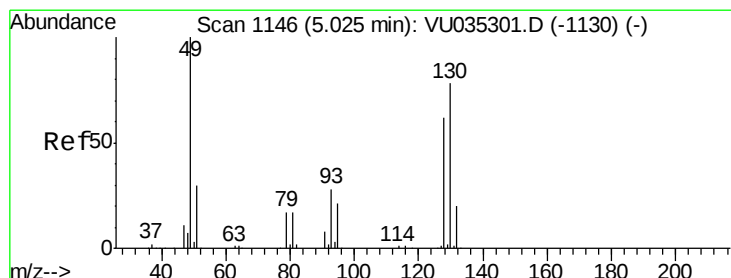
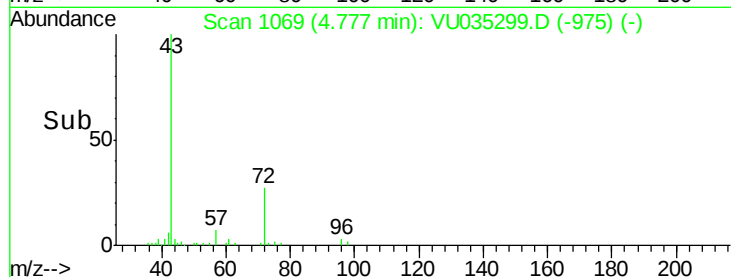
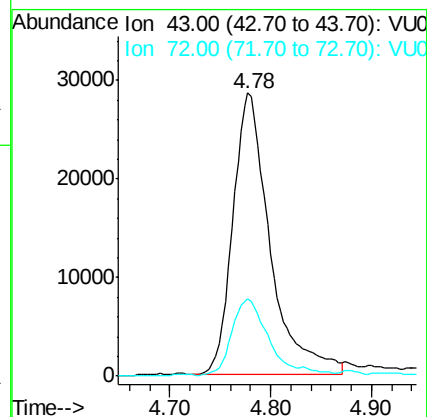
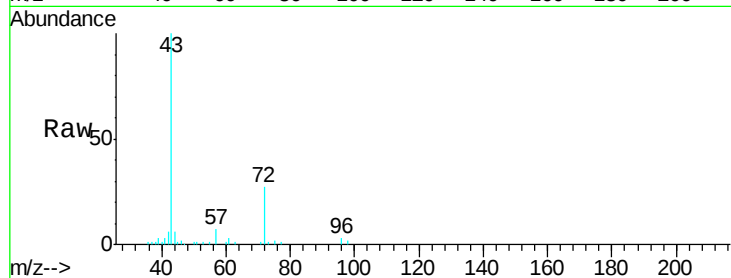
72 25.4 12.9 38.6

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#23

Bromochloromethane

Concen: 9.497 ug/L

RT: 5.03 min Scan# 1147

Delta R.T. 0.00 min

Lab File: VU035299.D

Acq: 19 Oct 2019 06:51

Tgt Ion: 128 Resp: 22076

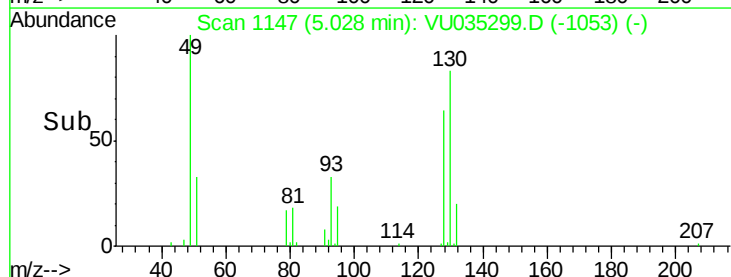
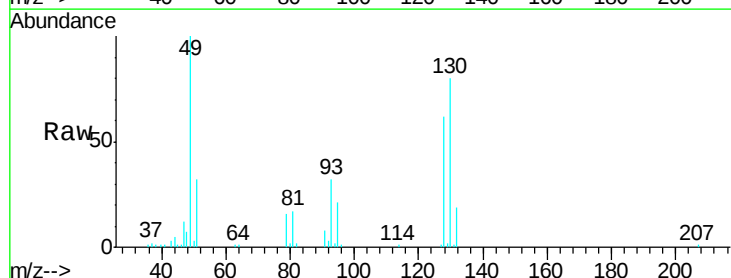
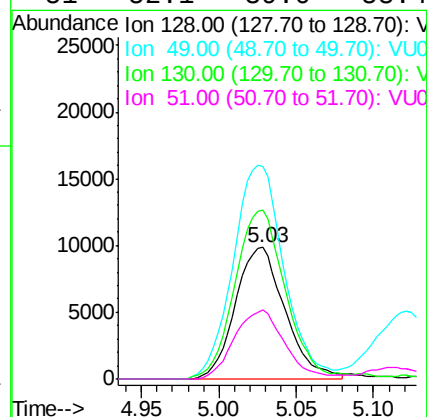
Ion Ratio Lower Upper

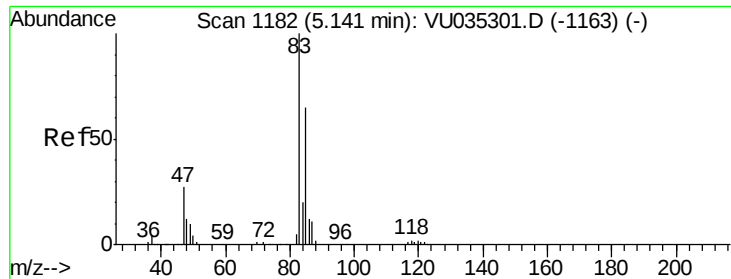
128 100

49 161.0 112.7 209.3

130 128.3 87.8 163.0

51 52.1 39.0 58.4





#25

Chloroform

Concen: 9.600 ug/L

RT: 5.14 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VU035299.D

Acq: 19 Oct 2019 06:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00534

Tgt Ion: 83 Resp: 77116

Ion Ratio Lower Upper

83 100

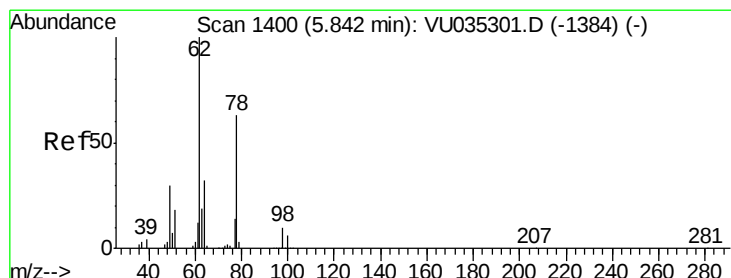
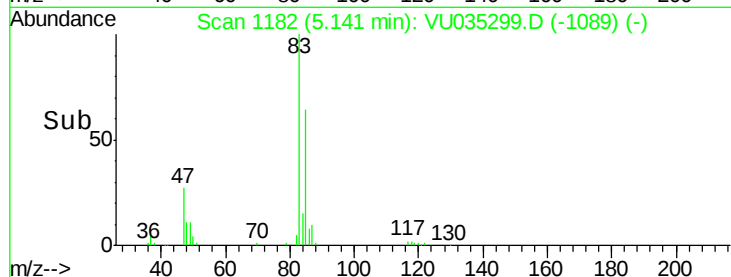
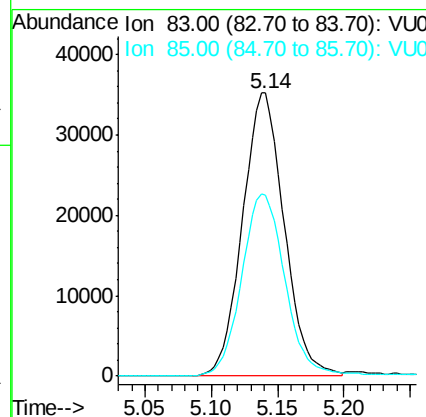
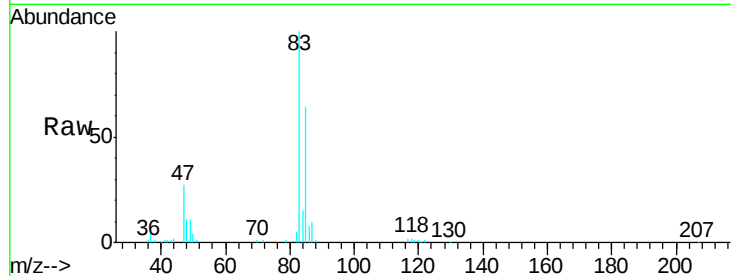
85 63.8 45.5 84.5

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#27

1,2-Dichloroethane

Concen: 10.080 ug/L

RT: 5.84 min Scan# 1400

Delta R.T. -0.00 min

Lab File: VU035299.D

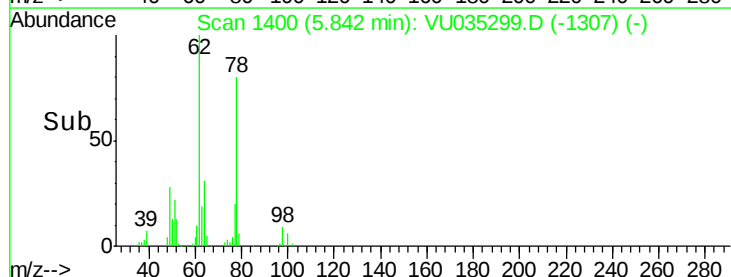
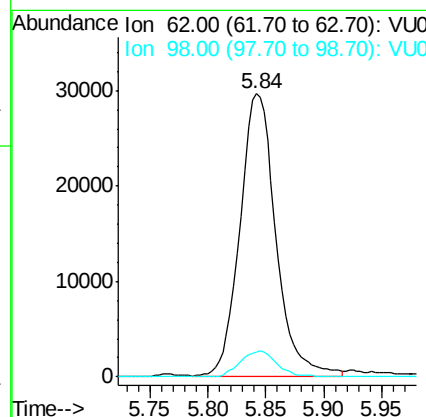
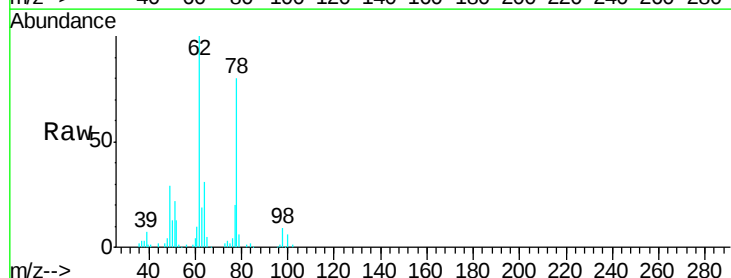
Acq: 19 Oct 2019 06:51

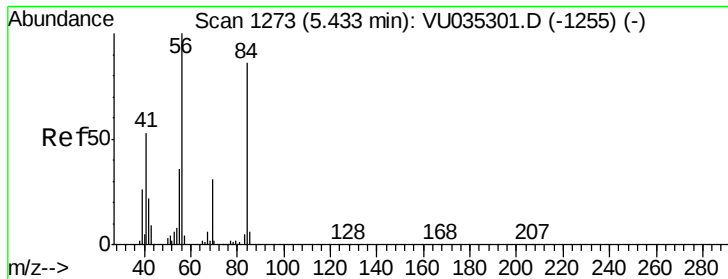
Tgt Ion: 62 Resp: 63408

Ion Ratio Lower Upper

62 100

98 8.9 7.8 11.6





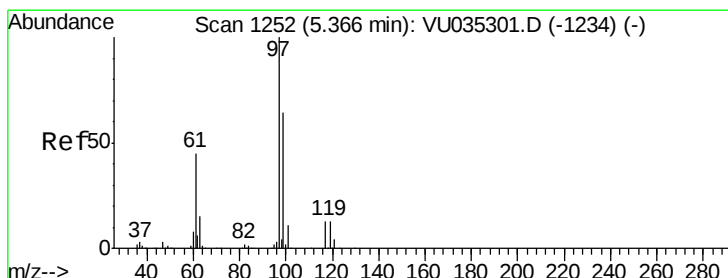
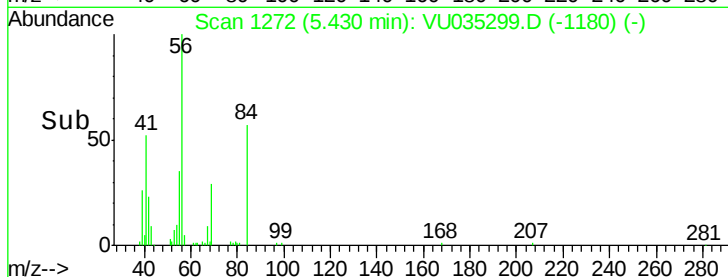
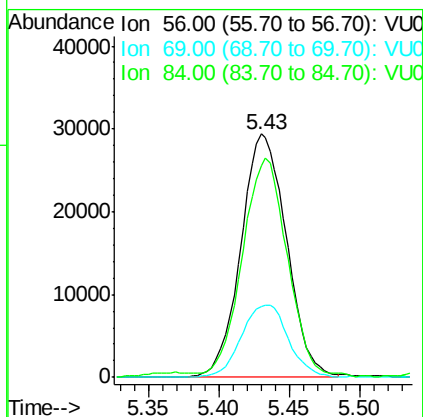
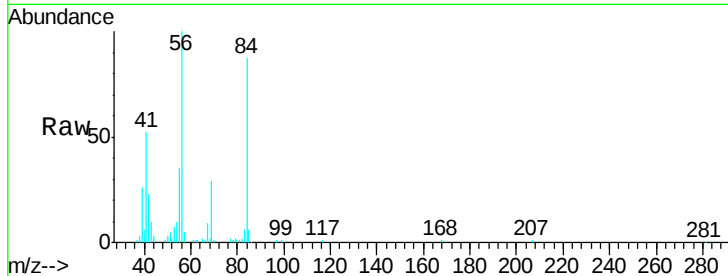
#29
Cyclohexane
Concen: 9.768 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VU035299.D
Acq: 19 Oct 2019 06:51

Instrument :
MSVOA_U
ClientSampleId :
VSTD00534

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.2	36.4
84	88.6	71.1	106.7

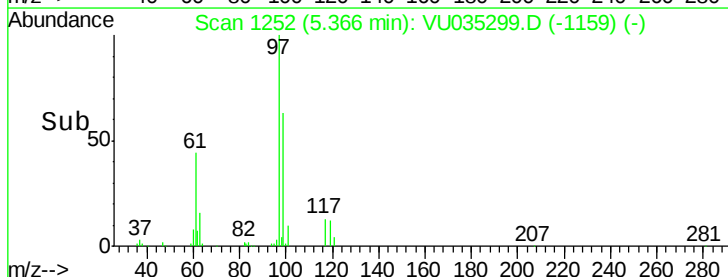
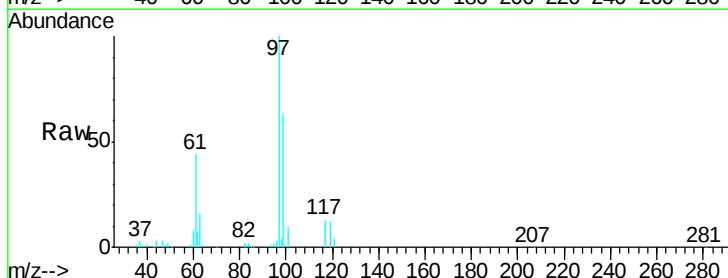
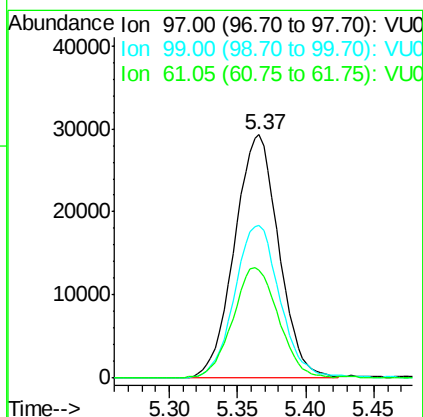
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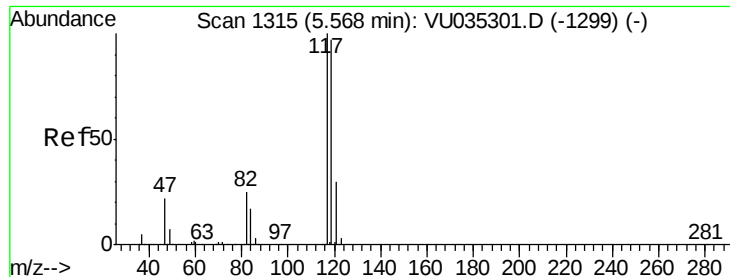
MMDadoda
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#30
1,1,1-Trichloroethane
Concen: 9.947 ug/L
RT: 5.37 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VU035299.D
Acq: 19 Oct 2019 06:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.3	76.9
61	45.6	36.6	54.8





#31

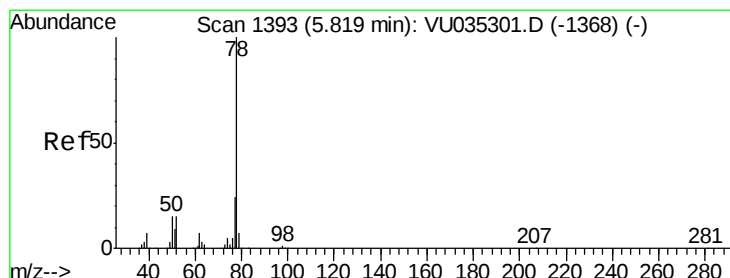
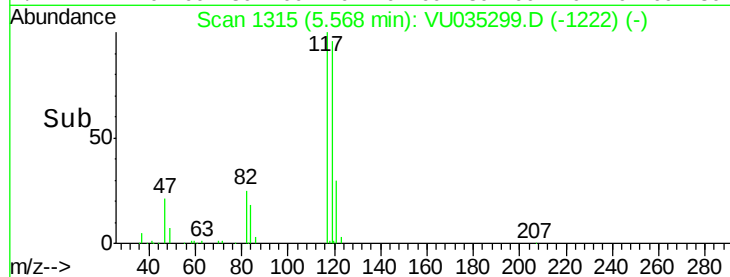
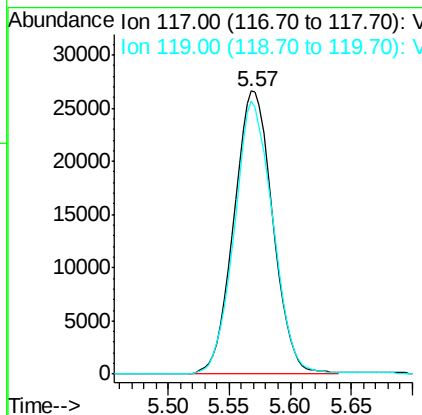
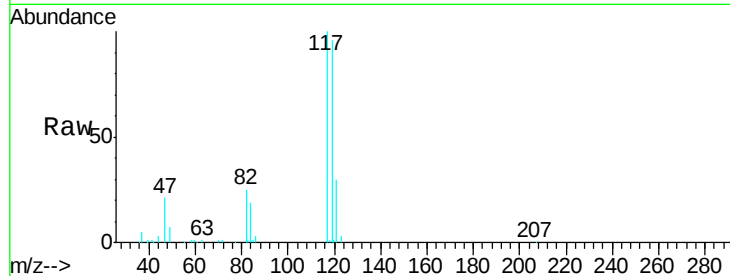
Carbon tetrachloride
Concen: 10.097 ug/L
RT: 5.57 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU035299.D
Acq: 19 Oct 2019 06:51

Instrument :
MSVOA_U
ClientSampleId :
VSTD00534

Tgt Ion:117 Resp: 58690
Ion Ratio Lower Upper
117 100
119 95.4 77.7 116.5

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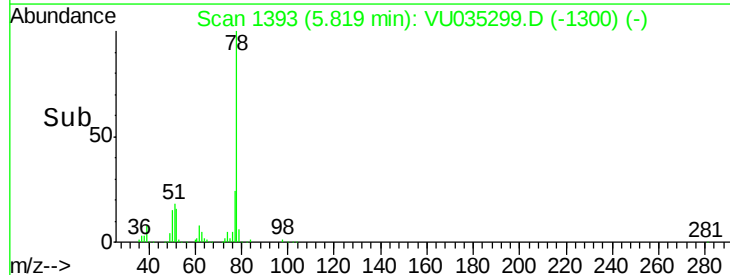
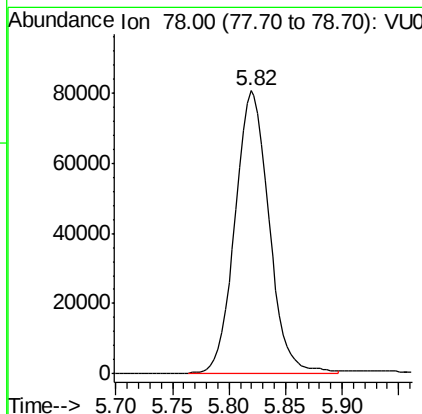
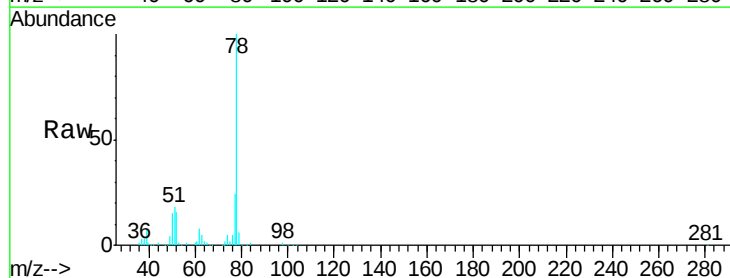
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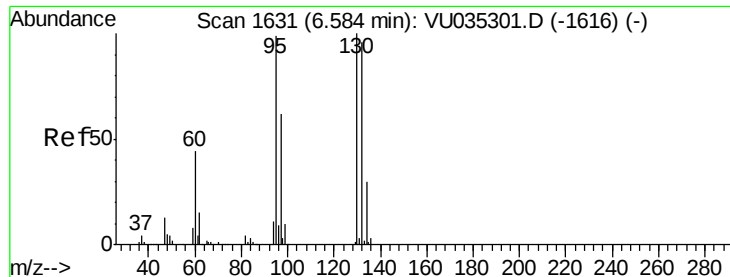


#33

Benzene
Concen: 9.749 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. -0.00 min
Lab File: VU035299.D
Acq: 19 Oct 2019 06:51

Tgt Ion: 78 Resp: 168331





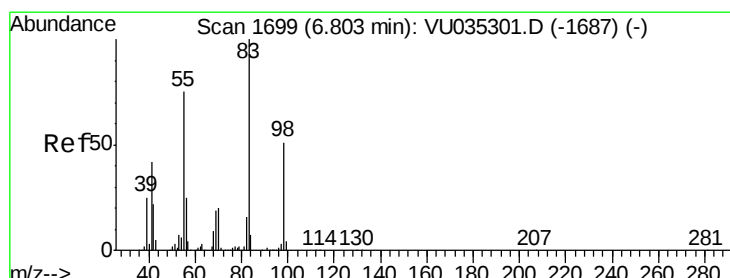
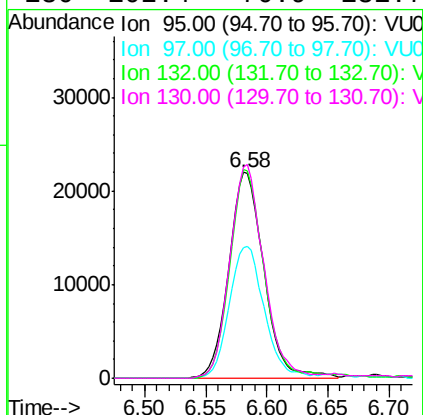
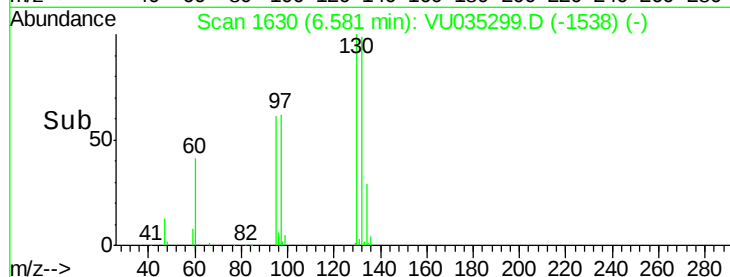
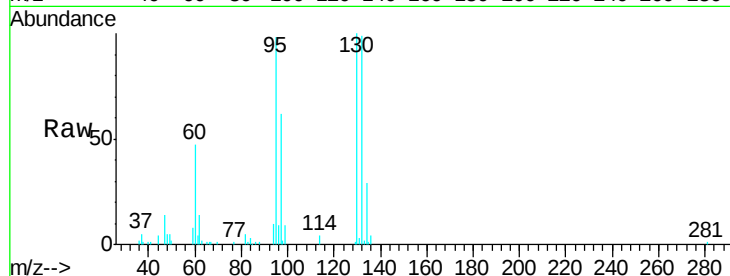
#34
 Trichloroethene
 Concen: 9.984 ug/L
 RT: 6.58 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VU035299.D
 Acq: 19 Oct 2019 06:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00534

Tgt Ion	Ratio	Lower	Upper
95	100		
97	63.5	44.2	82.2
132	101.1	67.8	125.8
130	102.4	70.9	131.7

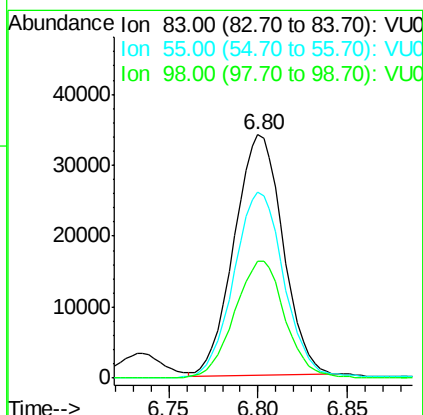
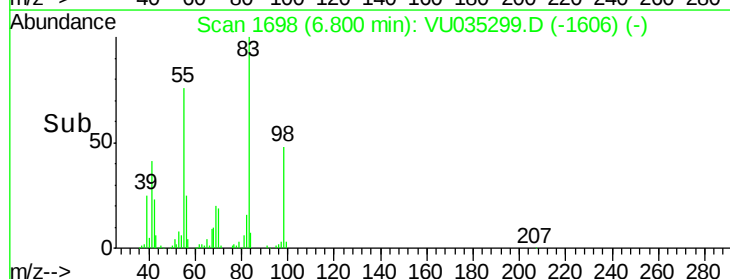
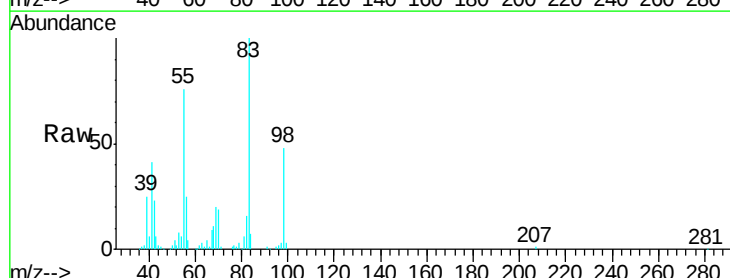
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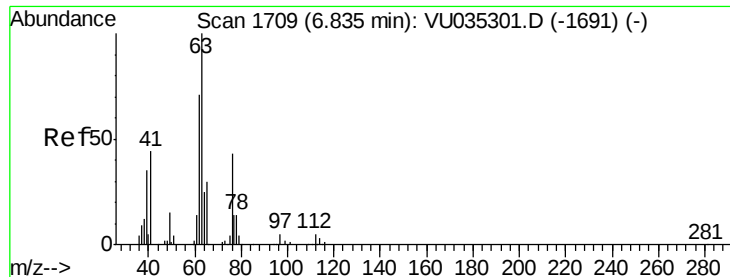
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#35
 Methylcyclohexane
 Concen: 9.481 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU035299.D
 Acq: 19 Oct 2019 06:51

Tgt Ion	Ratio	Lower	Upper
83	100		
55	80.1	59.5	89.3
98	50.6	39.9	59.9





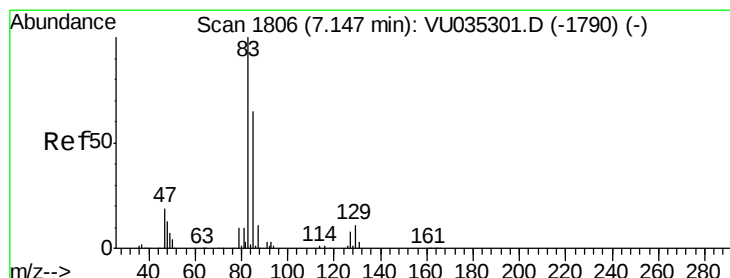
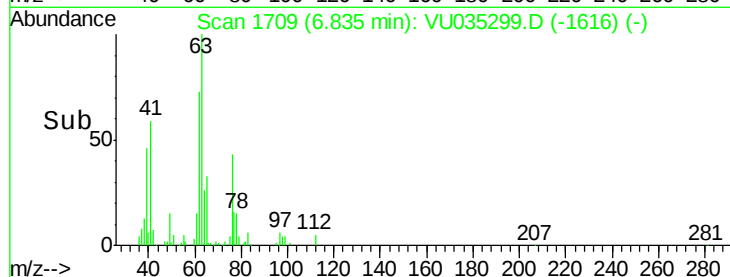
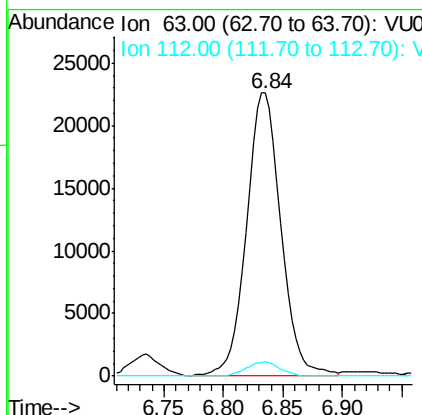
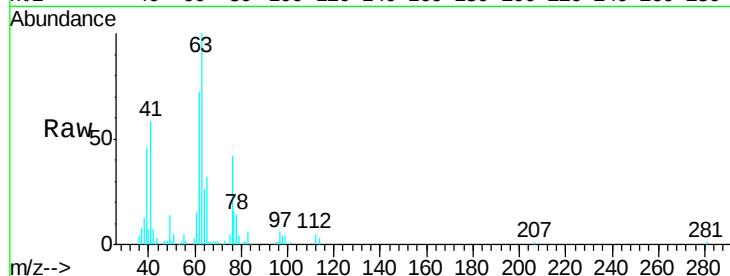
#37
 1,2-Dichloropropane
 Concen: 10.143 ug/L
 RT: 6.84 min Scan# 1709
 Delta R.T. -0.00 min
 Lab File: VU035299.D
 Acq: 19 Oct 2019 06:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00534

Tgt Ion: 63 Resp: 45373
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.6 5.4

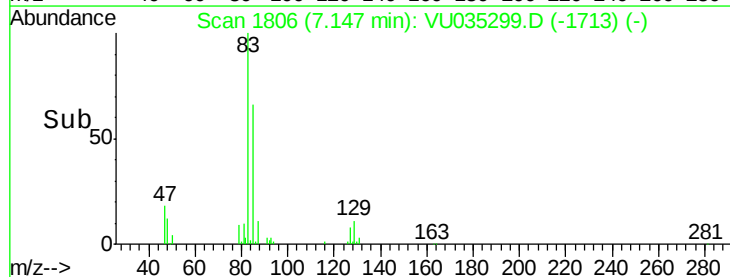
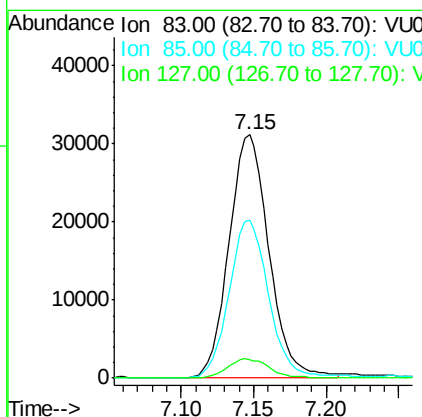
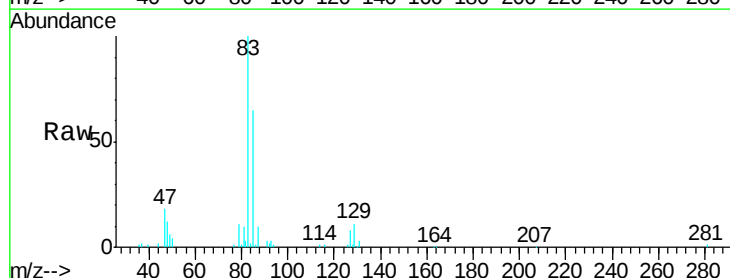
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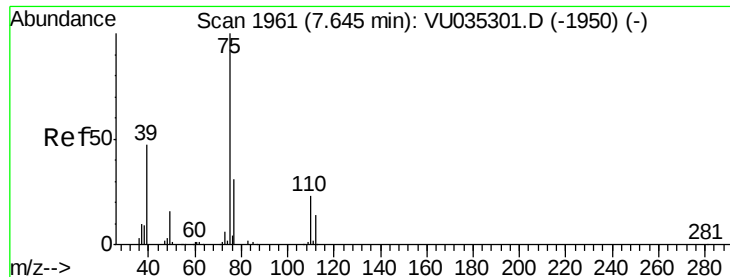
MMDadoda
 10/21/2019 8:36:11 AM



#38
 Bromodichloromethane
 Concen: 10.094 ug/L
 RT: 7.15 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VU035299.D
 Acq: 19 Oct 2019 06:51

Tgt Ion: 83 Resp: 59886
 Ion Ratio Lower Upper
 83 100
 85 64.7 45.3 84.1
 127 7.7 6.6 10.0





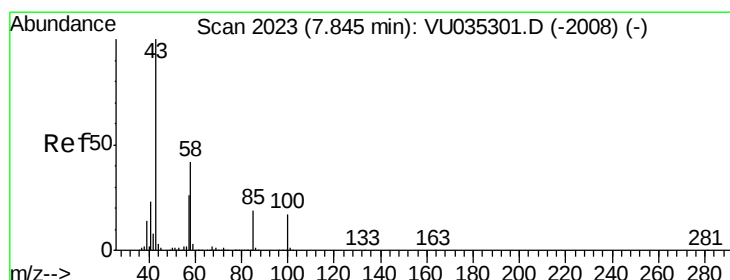
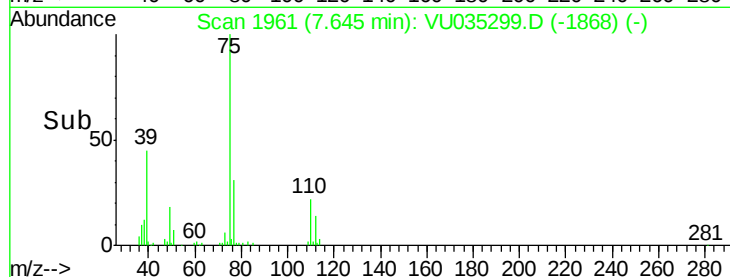
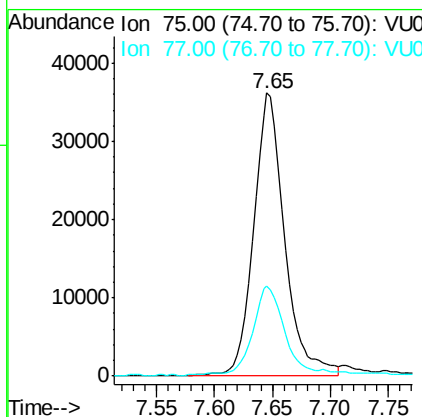
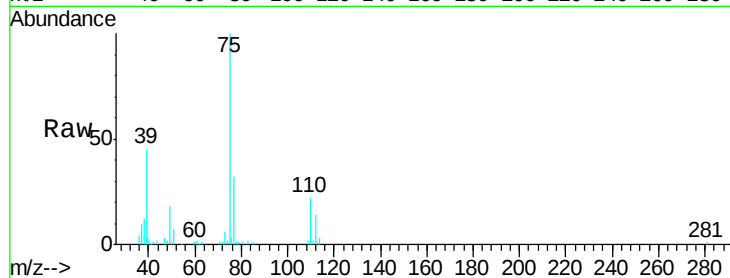
#39
 cis-1,3-Dichloropropene
 Concen: 9.392 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. -0.00 min
 Lab File: VU035299.D
 Acq: 19 Oct 2019 06:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00534

Tgt Ion: 75 Resp: 67954
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.3 41.5

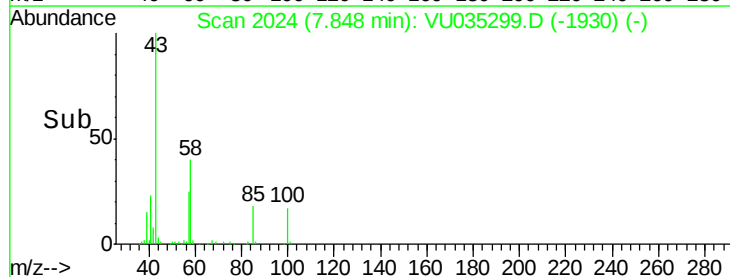
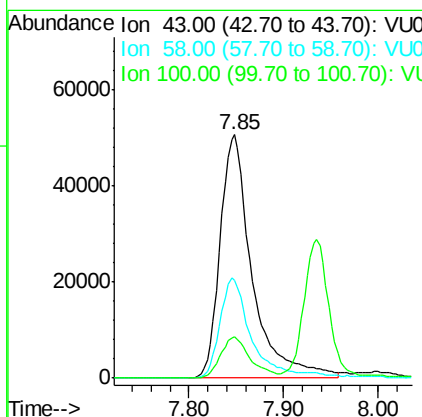
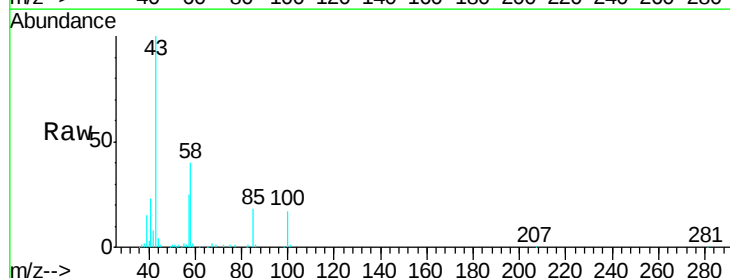
Manual Integrations
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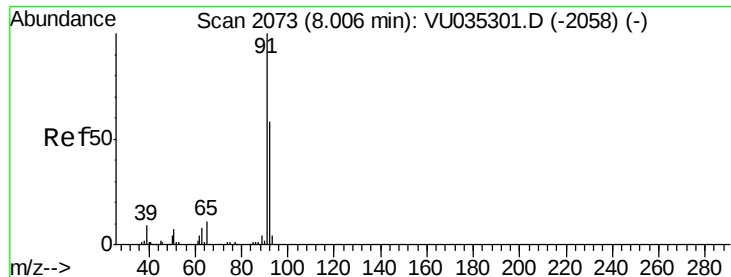
MMDadoda
 10/21/2019 8:36:11 AM



#40
 4-Methyl-2-pentanone
 Concen: 18.865 ug/L
 RT: 7.85 min Scan# 2024
 Delta R.T. 0.00 min
 Lab File: VU035299.D
 Acq: 19 Oct 2019 06:51

Tgt Ion: 43 Resp: 119008
 Ion Ratio Lower Upper
 43 100
 58 39.2 33.1 49.7
 100 15.9 13.2 19.8





#42

Toluene

Concen: 9.726 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VU035299.D

Acq: 19 Oct 2019 06:51

Instrument :

MSVOA_U

ClientSampled :

VSTD00534

Tgt Ion: 91 Resp: 181677

Ion Ratio Lower Upper

91 100

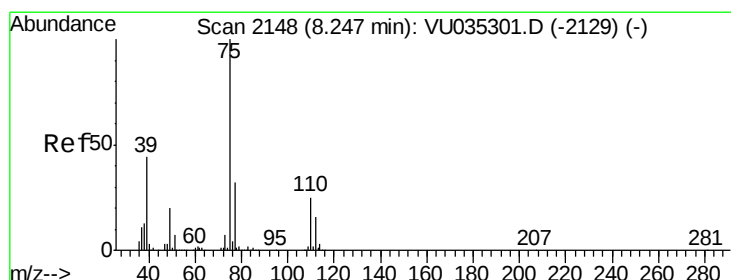
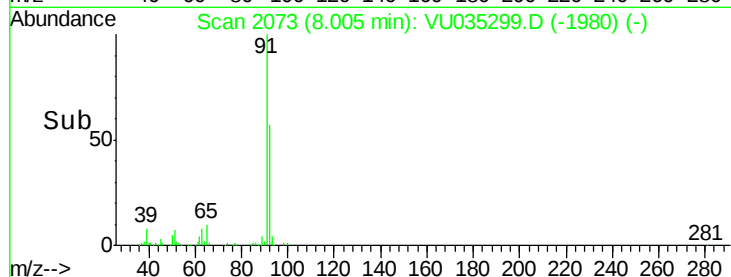
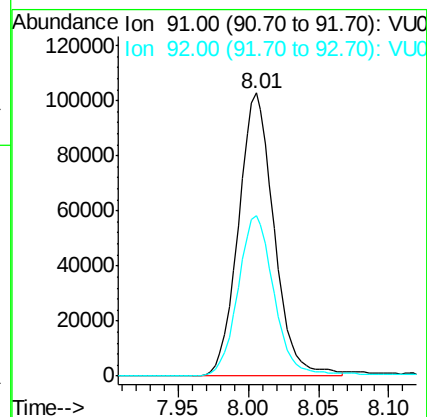
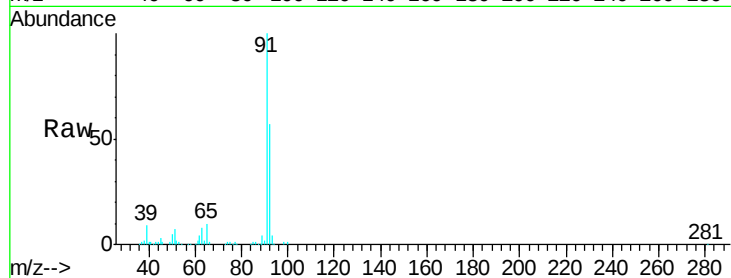
92 56.7 40.3 74.9

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#44

trans-1,3-Dichloropropene

Concen: 9.018 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VU035299.D

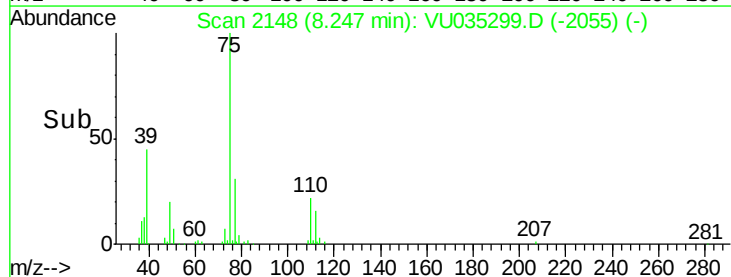
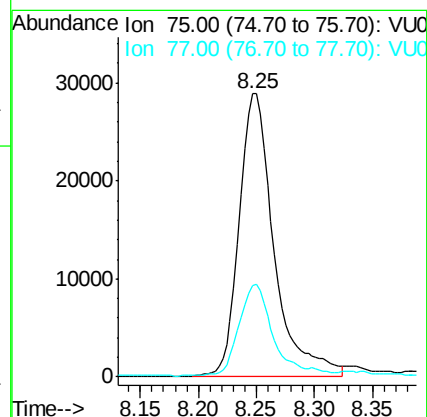
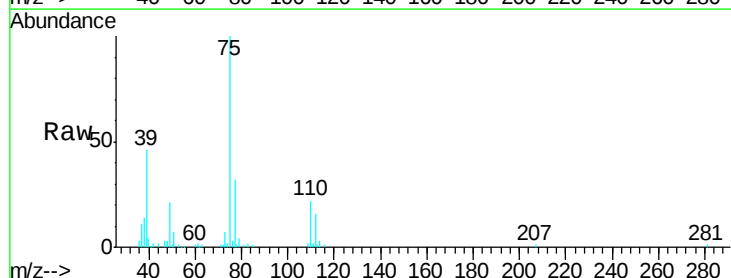
Acq: 19 Oct 2019 06:51

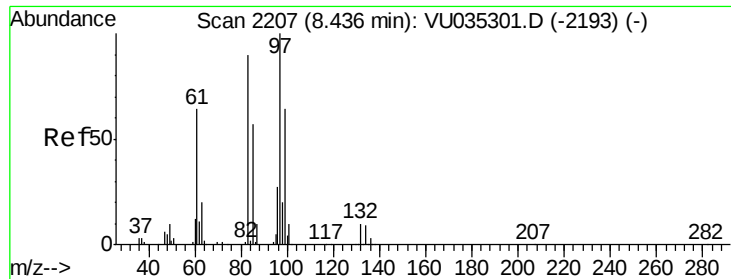
Tgt Ion: 75 Resp: 60827

Ion Ratio Lower Upper

75 100

77 32.4 22.5 41.9





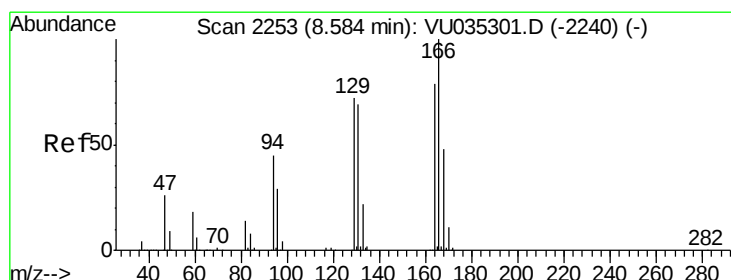
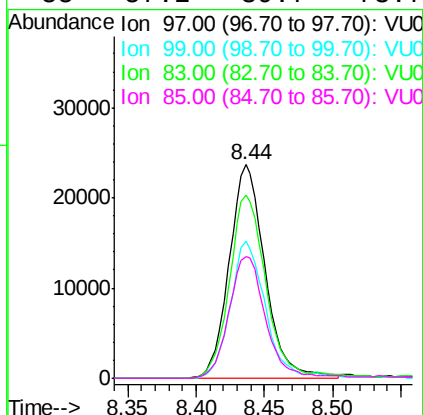
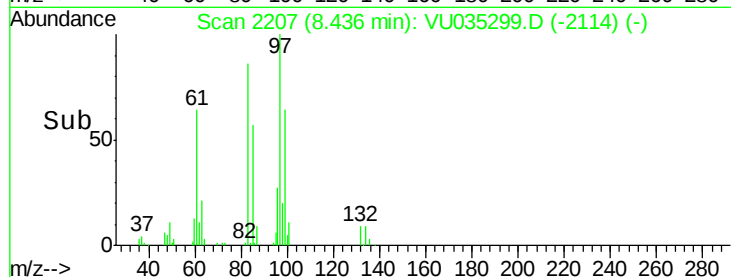
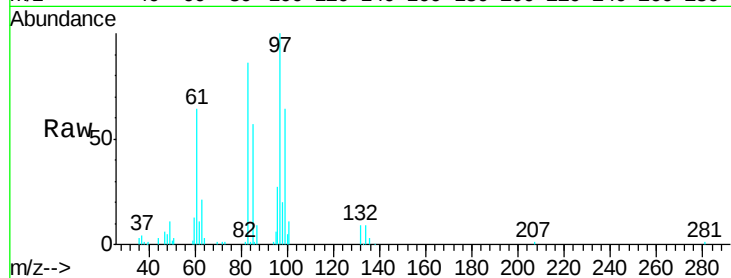
#45
1,1,2-Trichloroethane
Concen: 9.964 ug/L
RT: 8.44 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VU035299.D
Acq: 19 Oct 2019 06:51

Instrument :
MSVOA_U
ClientSampleId :
VSTD00534

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	44.5	82.7
83	85.7	63.0	117.0
85	57.2	39.7	73.7

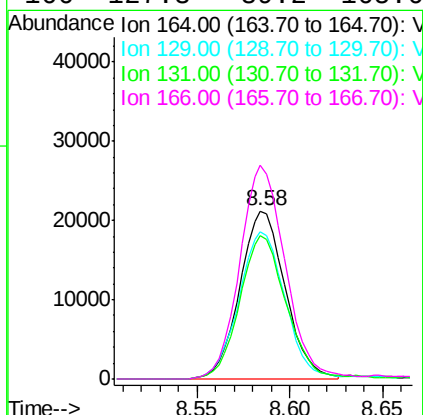
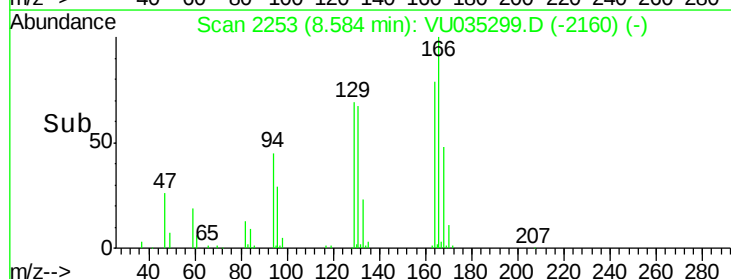
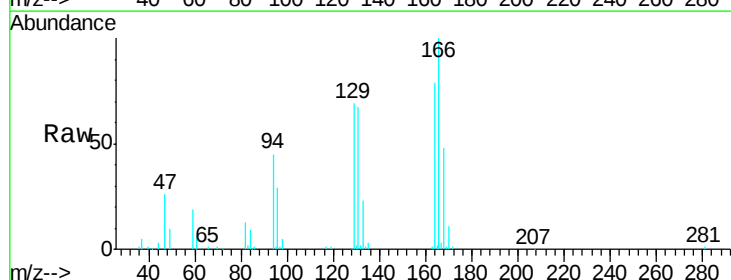
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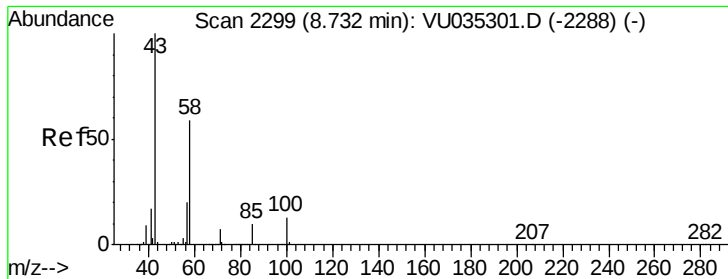
MMDadoda
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#46
Tetrachloroethene
Concen: 10.138 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.00 min
Lab File: VU035299.D
Acq: 19 Oct 2019 06:51

Tgt Ion	Ratio	Lower	Upper
164	100		
129	87.7	64.0	119.0
131	85.3	61.8	114.8
166	127.3	89.2	165.6





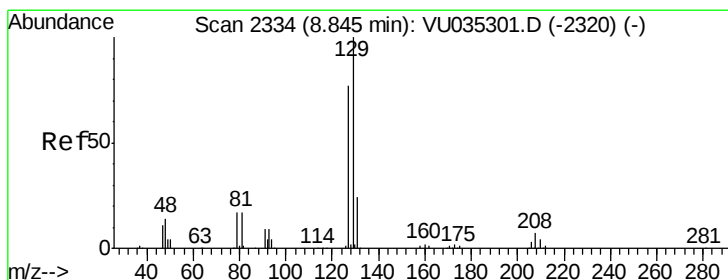
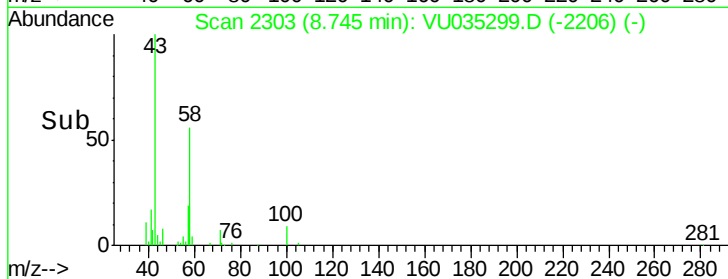
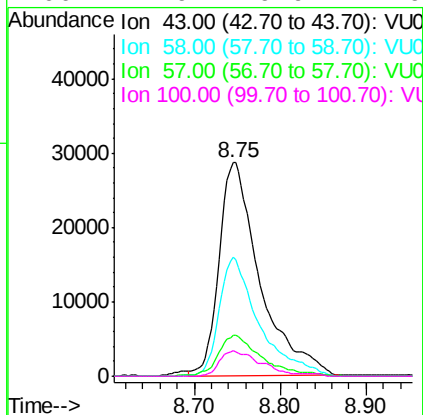
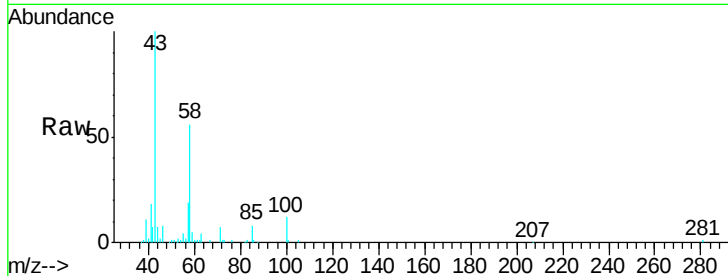
#48
2-Hexanone
Concen: 18.033 ug/L
RT: 8.75 min Scan# 2303
Delta R.T. 0.01 min
Lab File: VU035299.D
Acq: 19 Oct 2019 06:51

Instrument :
MSVOA_U
ClientSampleId :
VSTD00534

Tgt Ion: 43 Resp: 94273
Ion Ratio Lower Upper
43 100
58 54.5 42.7 64.1
57 16.8 14.8 22.2
100 11.9 9.9 14.9

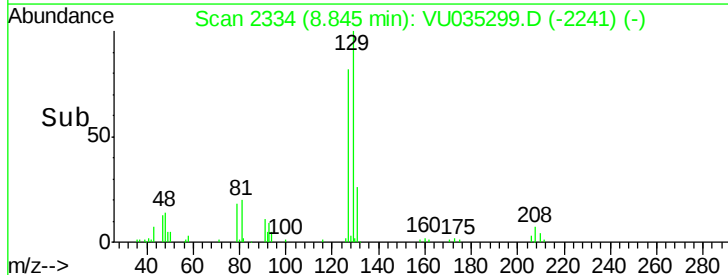
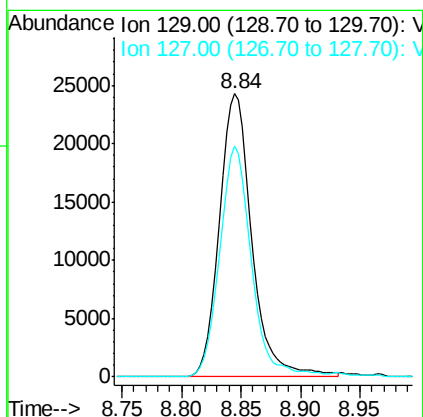
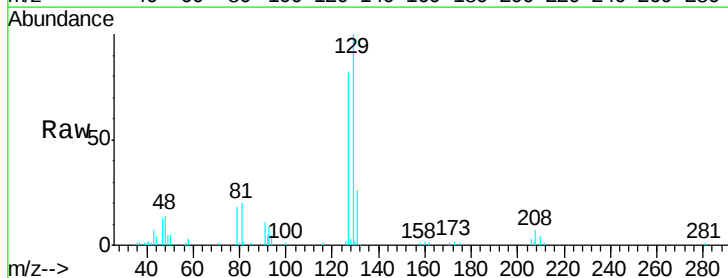
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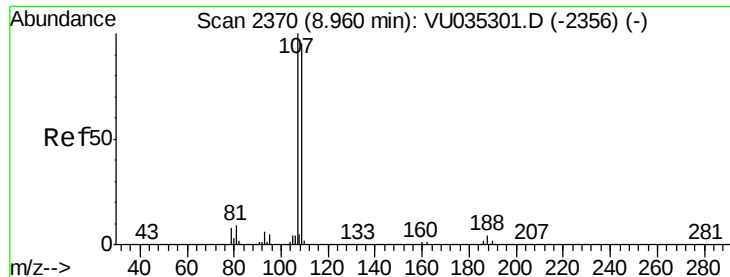
MMDadoda
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#49
Dibromochloromethane
Concen: 9.423 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. -0.00 min
Lab File: VU035299.D
Acq: 19 Oct 2019 06:51

Tgt Ion: 129 Resp: 46104
Ion Ratio Lower Upper
129 100
127 81.5 54.0 100.4





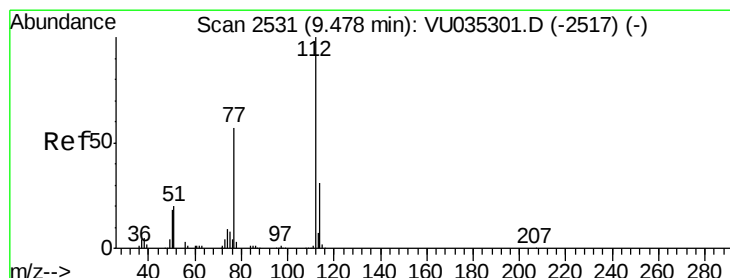
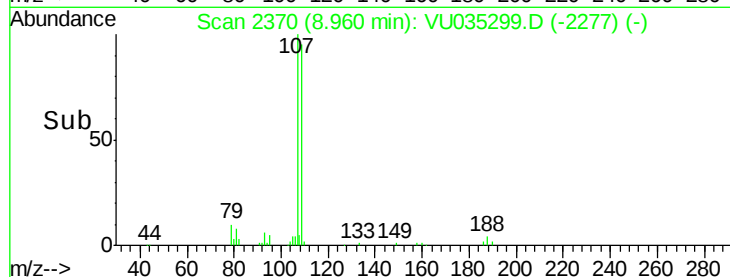
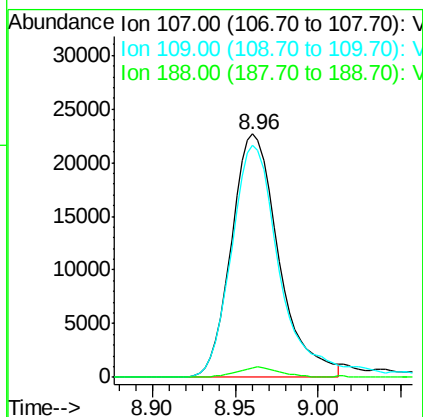
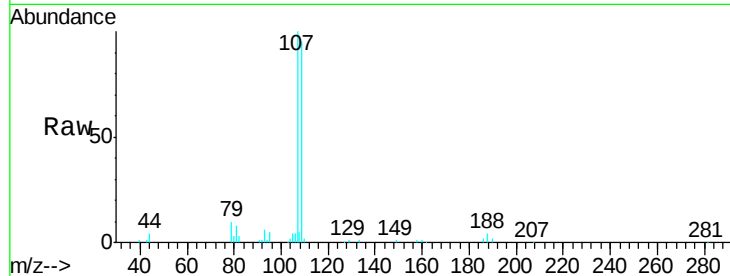
#50
1,2-Dibromoethane
Concen: 9.425 ug/L
RT: 8.96 min Scan# 2370
Delta R.T. -0.00 min
Lab File: VU035299.D
Acq: 19 Oct 2019 06:51

Instrument :
MSVOA_U
ClientSampleId :
VSTD00534

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	45306		
109	95.3	66.8	124.2	
188	4.1	3.4	5.2	

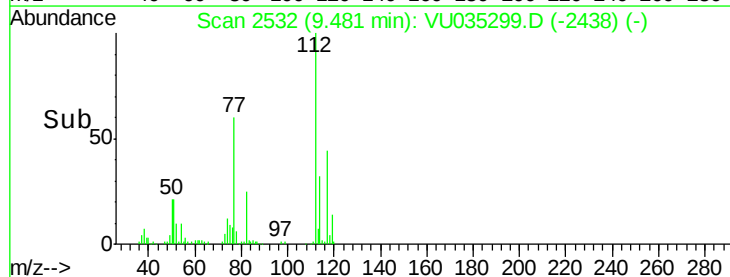
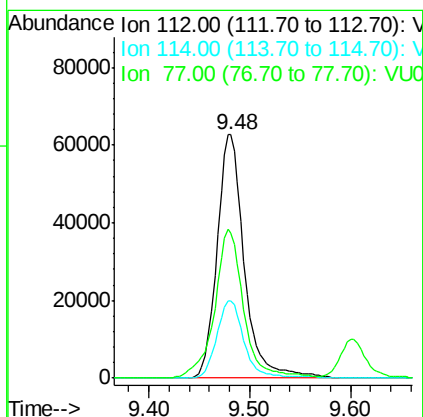
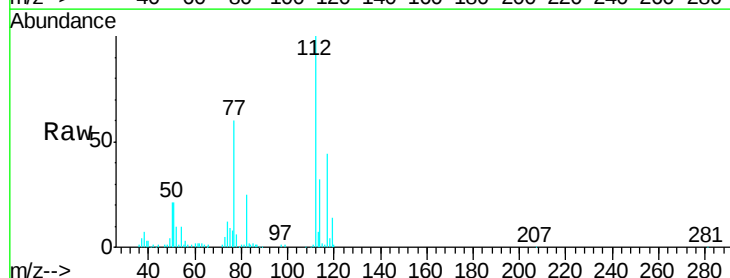
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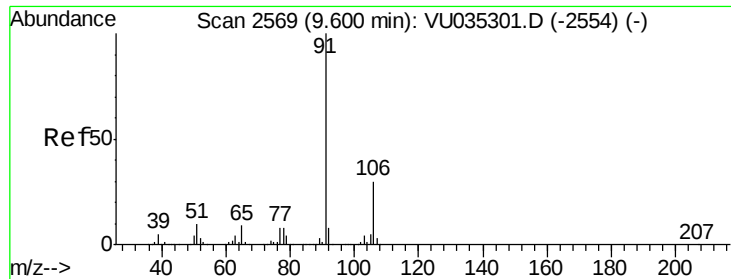
MMDadoda
10/21/2019 8:36:11 AM



#51
Chlorobenzene
Concen: 9.815 ug/L
RT: 9.48 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU035299.D
Acq: 19 Oct 2019 06:51

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	118016		
114	31.9	21.9	40.7	
77	59.6	46.2	69.2	





#52

Ethylbenzene

Concen: 9.548 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU035299.D

Acq: 19 Oct 2019 06:51

Instrument :

MSVOA_U

ClientSampleId :

VSTD00534

Tgt Ion: 91 Resp: 197097

Ion Ratio Lower Upper

91 100

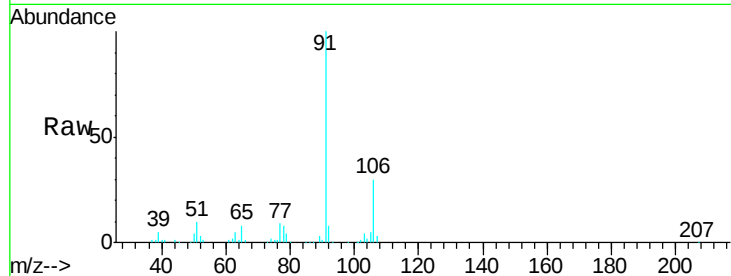
106 29.9 21.3 39.6

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Abundance Ion 91.00 (90.70 to 91.70): VU035301.D (-2554) (-)

Ion 106.00 (105.70 to 106.70): VU035301.D (-2554) (-)

120000

100000

80000

60000

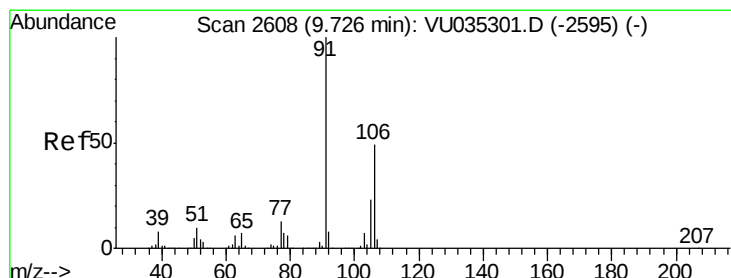
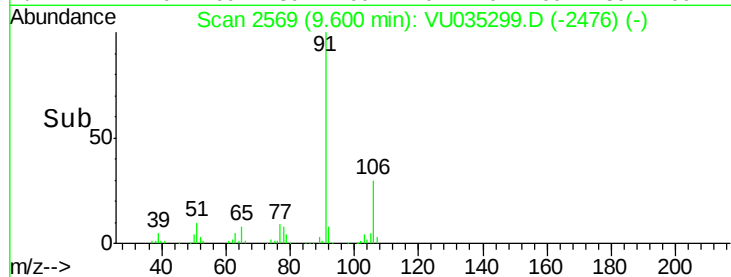
40000

20000

0

9.55 9.60 9.65 9.70

Time-->



#53

m,p-Xylene

Concen: 9.532 ug/L

RT: 9.73 min Scan# 2608

Delta R.T. -0.00 min

Lab File: VU035299.D

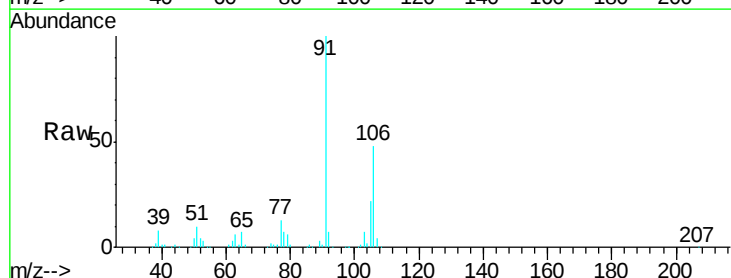
Acq: 19 Oct 2019 06:51

Tgt Ion: 106 Resp: 72236

Ion Ratio Lower Upper

106 100

91 206.7 141.5 262.9



Abundance Ion 106.00 (105.70 to 106.70): VU035301.D (-2595) (-)

Ion 91.00 (90.70 to 91.70): VU035301.D (-2595) (-)

80000

60000

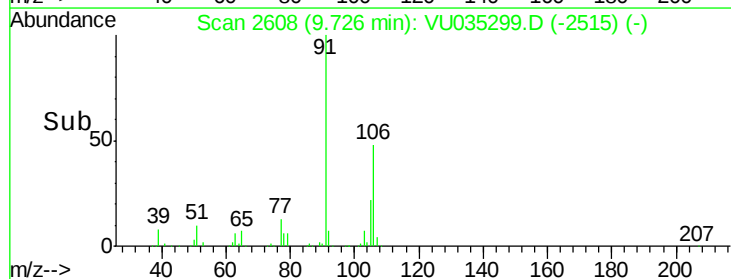
40000

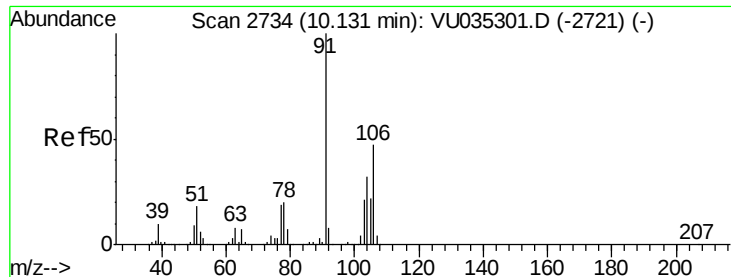
20000

0

9.65 9.70 9.75 9.80 9.85

Time-->





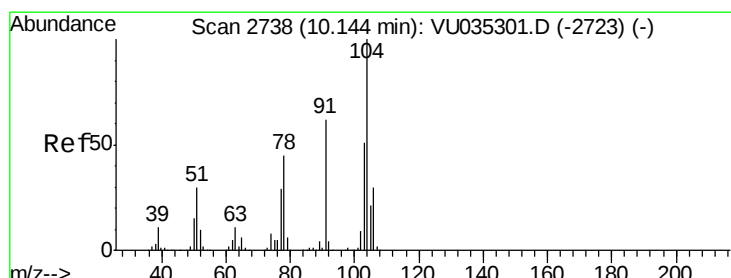
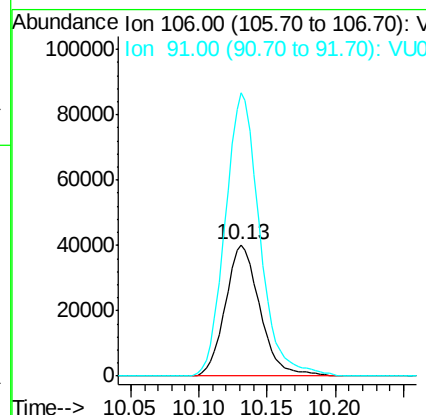
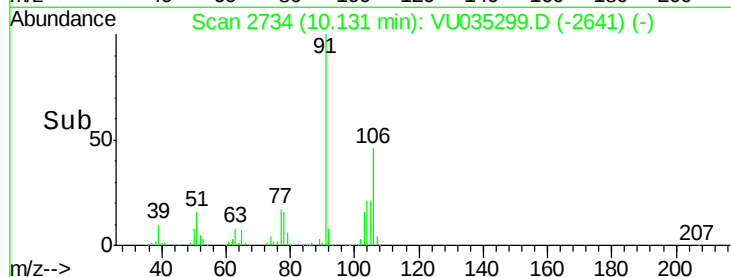
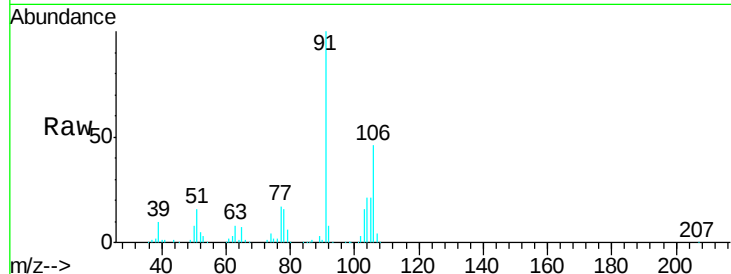
#54
o-xylene
Concen: 9.226 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU035299.D
Acq: 19 Oct 2019 06:51

Instrument :
MSVOA_U
ClientSampled :
VSTD00534

Tgt Ion:106 Resp: 70872
Ion Ratio Lower Upper
106 100
91 215.3 150.6 279.8

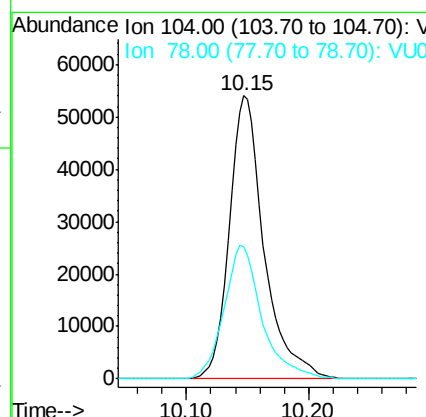
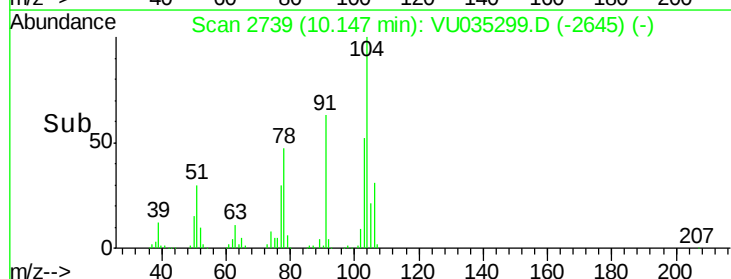
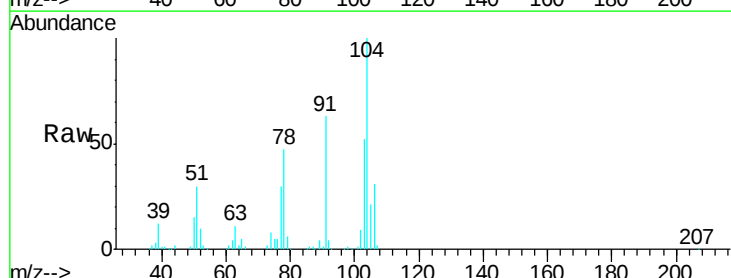
Manual Integrations
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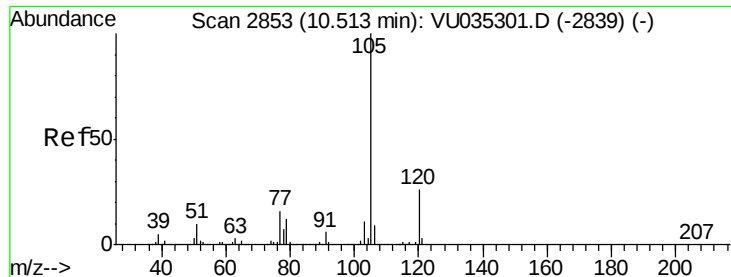
MMDadoda
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#55
Styrene
Concen: 8.431 ug/L
RT: 10.15 min Scan# 2739
Delta R.T. 0.00 min
Lab File: VU035299.D
Acq: 19 Oct 2019 06:51

Tgt Ion:104 Resp: 107566
Ion Ratio Lower Upper
104 100
78 46.9 31.5 58.5





#56

Isopropylbenzene

Concen: 9.178 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VU035299.D

Acq: 19 Oct 2019 06:51

Instrument :

MSVOA_U

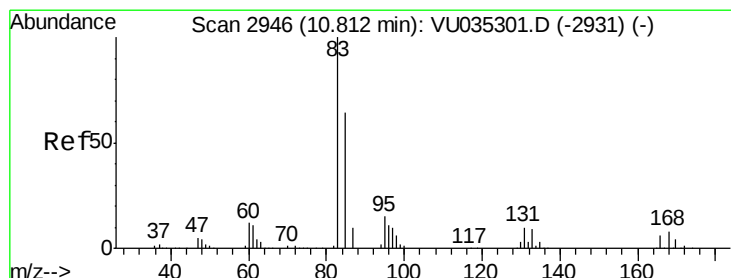
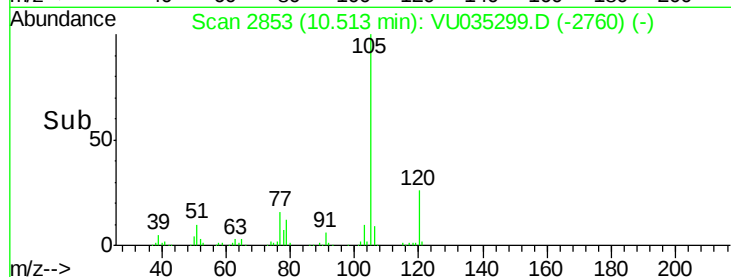
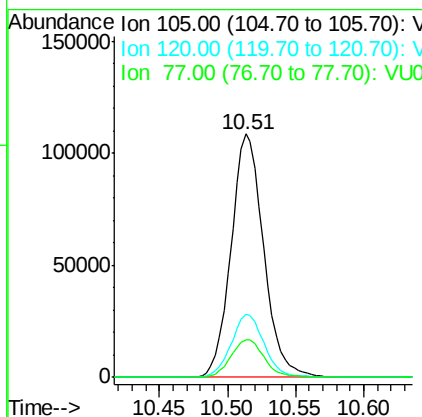
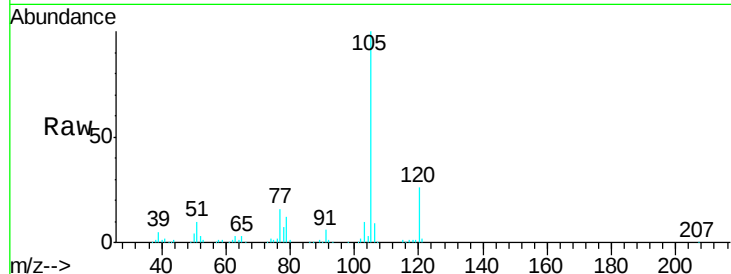
ClientSampleId :

VSTD00534

Tgt Ion:	105	Resp:	180770
Ion Ratio		Lower	Upper
105	100		
120	26.1	21.1	31.7
77	15.9	12.7	19.1

Manual Integrations
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#58

1,1,2,2-Tetrachloroethane

Concen: 9.477 ug/L

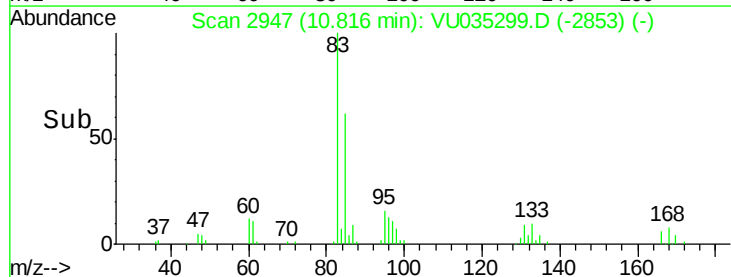
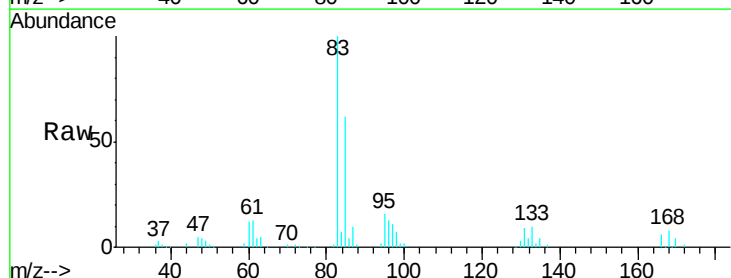
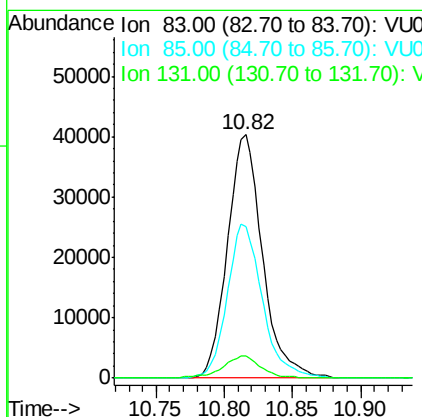
RT: 10.82 min Scan# 2947

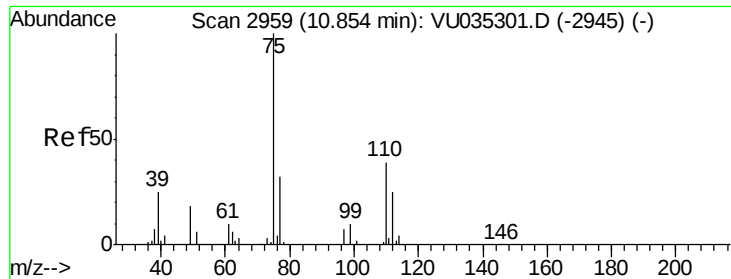
Delta R.T. 0.00 min

Lab File: VU035299.D

Acq: 19 Oct 2019 06:51

Tgt Ion:	83	Resp:	72000
Ion Ratio		Lower	Upper
83	100		
85	62.0	44.9	83.5
131	8.9	7.8	11.6





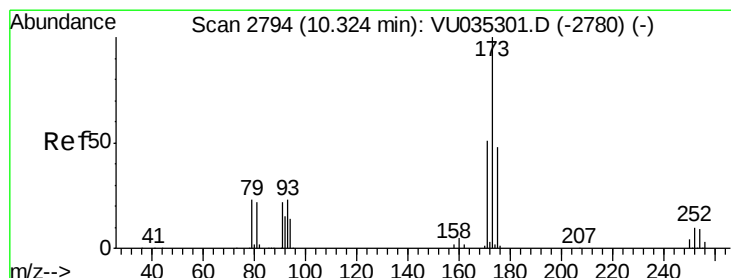
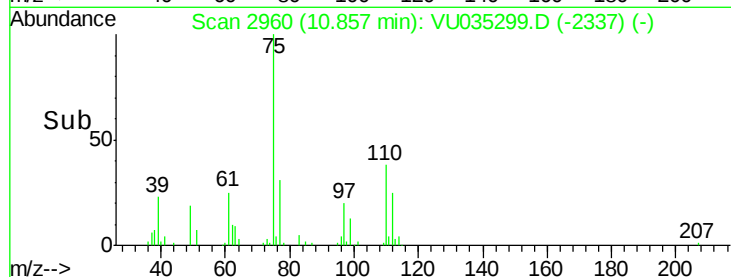
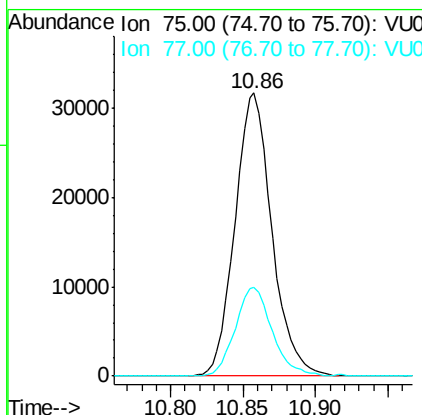
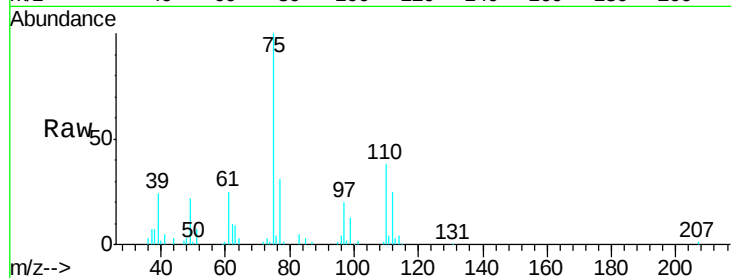
#59
 1,2,3-Trichloropropane
 Concen: 9.444 ug/L
 RT: 10.86 min Scan# 2960
 Delta R.T. 0.00 min
 Lab File: VU035299.D
 Acq: 19 Oct 2019 06:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00534

Tgt Ion: 75 Resp: 56062
 Ion Ratio Lower Upper
 75 100
 77 31.3 26.2 39.2

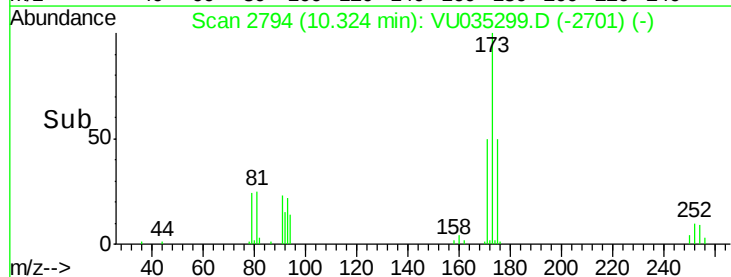
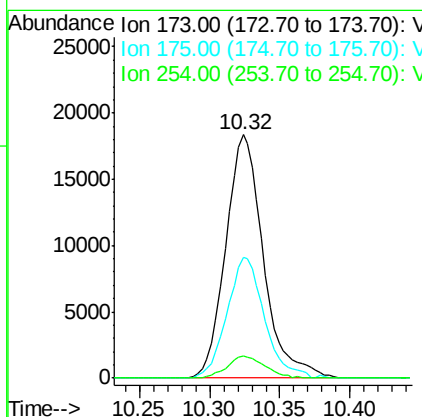
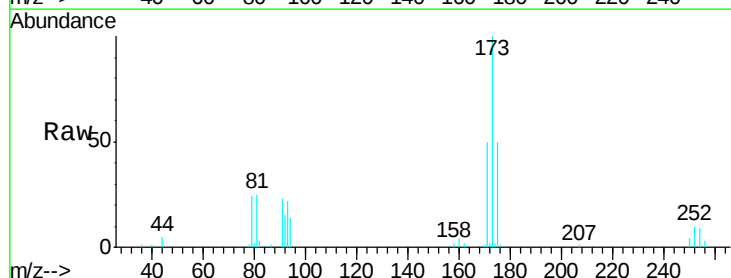
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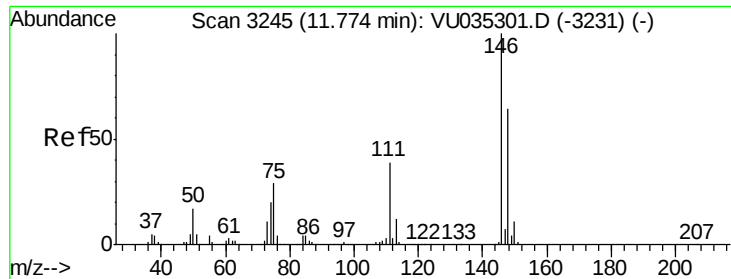
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 10/21/2019 8:36:11 AM



#61
 Bromoform
 Concen: 11.419 ug/L
 RT: 10.32 min Scan# 2794
 Delta R.T. -0.00 min
 Lab File: VU035299.D
 Acq: 19 Oct 2019 06:51

Tgt Ion: 173 Resp: 34301
 Ion Ratio Lower Upper
 173 100
 175 48.9 38.9 58.3
 254 8.9 7.6 11.4





#62

1,3-Dichlorobenzene

Concen: 10.124 ug/L

RT: 11.78 min Scan# 3247

Delta R.T. 0.01 min

Lab File: VU035299.D

Acq: 19 Oct 2019 06:51

Instrument :

MSVOA_U

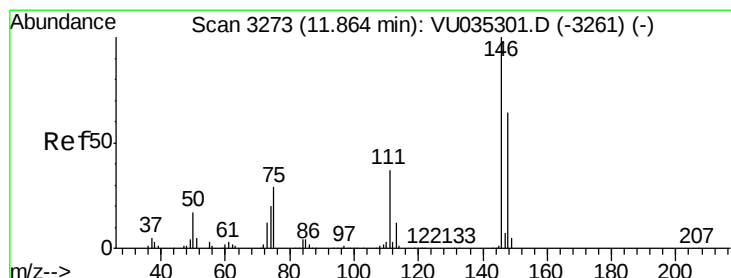
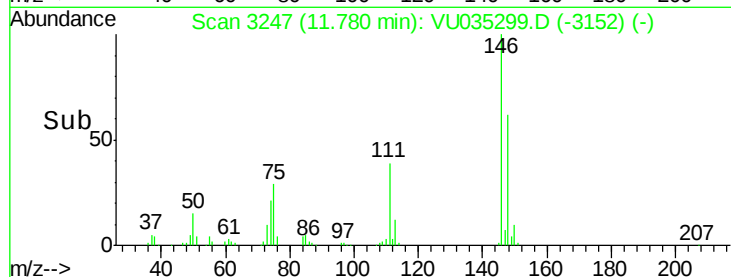
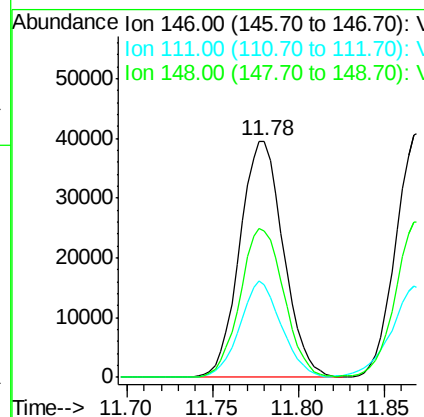
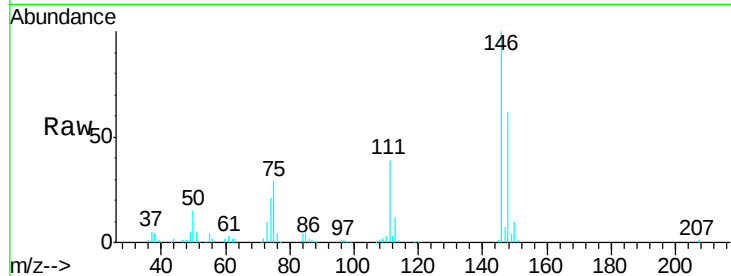
ClientSampleId :

VSTD00534

Tgt Ion:	146	Resp:	69891
Ion Ratio	Lower	Upper	
146	100		
111	39.2	27.3	50.7
148	62.0	44.8	83.2

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#63

1,4-Dichlorobenzene

Concen: 10.384 ug/L

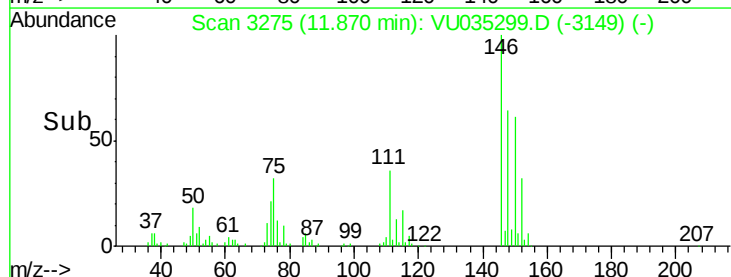
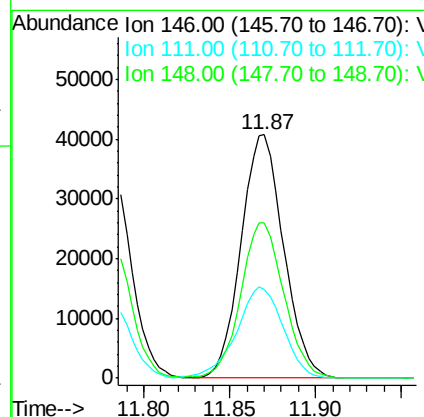
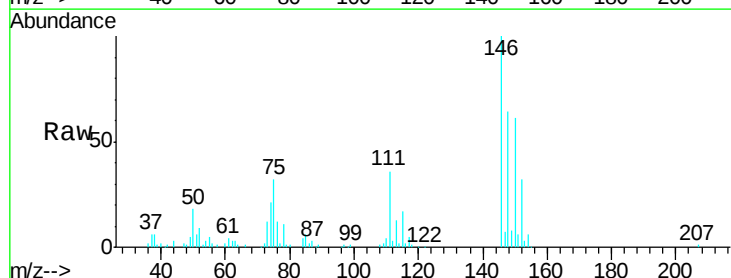
RT: 11.87 min Scan# 3275

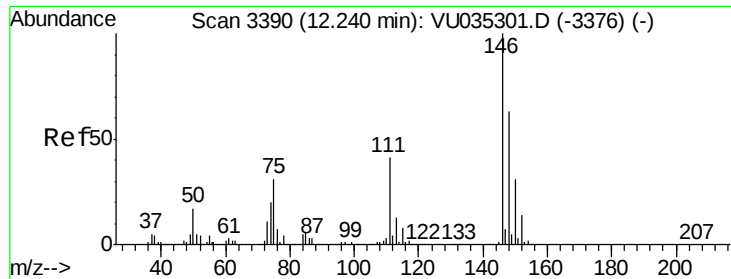
Delta R.T. 0.01 min

Lab File: VU035299.D

Acq: 19 Oct 2019 06:51

Tgt Ion:	146	Resp:	70315
Ion Ratio	Lower	Upper	
146	100		
111	36.5	26.2	48.8
148	63.6	44.5	82.7





#65

1,2-Dichlorobenzene

Concen: 10.239 ug/L

RT: 12.24 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VU035299.D

Acq: 19 Oct 2019 06:51

Instrument :

MSVOA_U

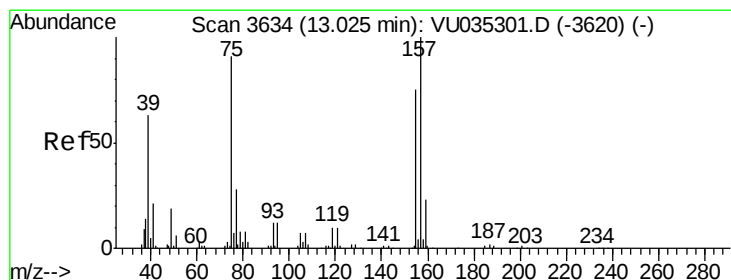
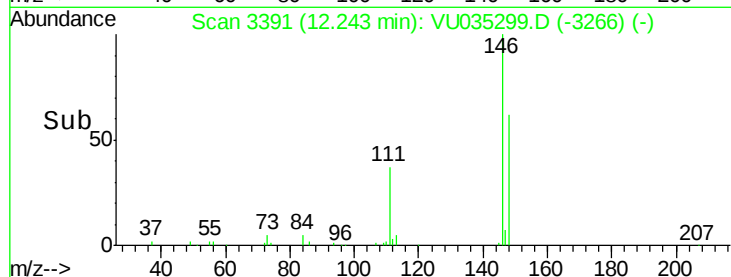
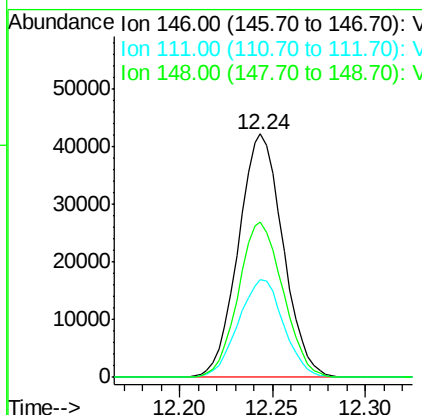
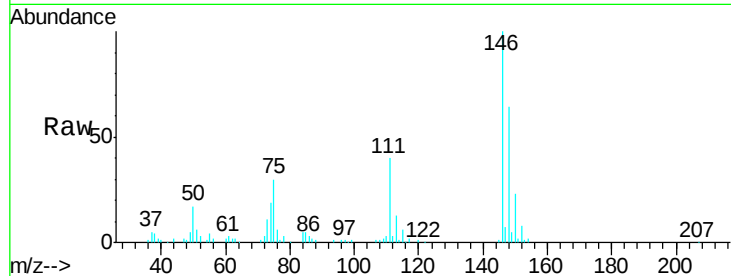
ClientSampleId :

VSTD00534

Tgt Ion:	146	Resp:	70565
Ion Ratio	Lower	Upper	
146	100		
111	40.2	32.8	49.2
148	63.6	50.2	75.4

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#66

1,2-Dibromo-3-chloropropane

Concen: 9.046 ug/L

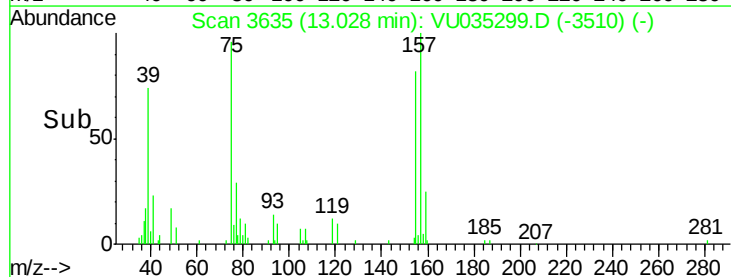
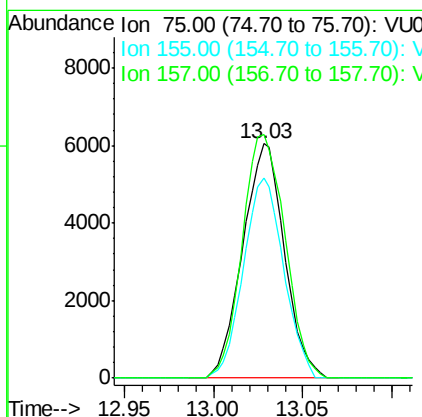
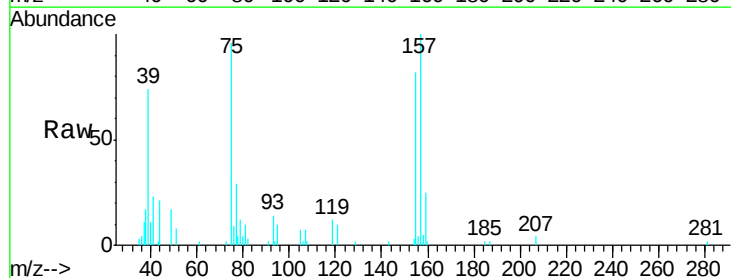
RT: 13.03 min Scan# 3635

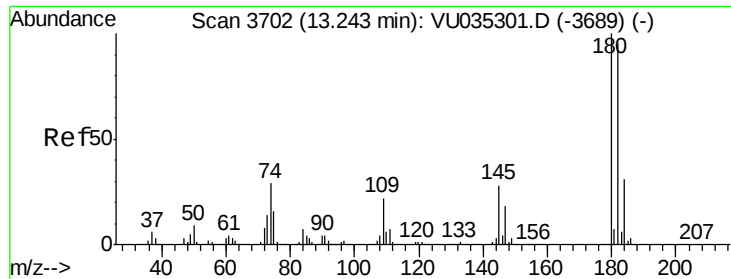
Delta R.T. 0.00 min

Lab File: VU035299.D

Acq: 19 Oct 2019 06:51

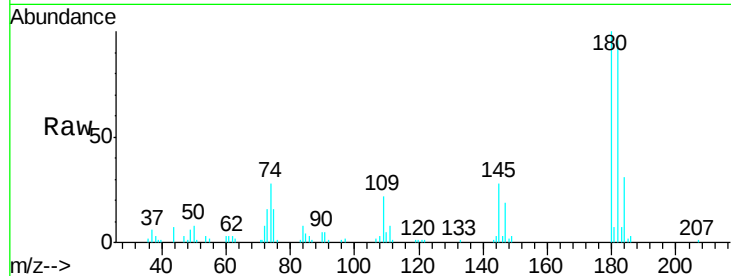
Tgt Ion:	75	Resp:	9888
Ion Ratio	Lower	Upper	
75	100		
155	85.5	66.2	99.2
157	103.9	88.2	132.2





#67
 1,3,5-Trichlorobenzene
 Concen: 7.762 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. 0.00 min
 Lab File: VU035299.D
 Acq: 19 Oct 2019 06:51

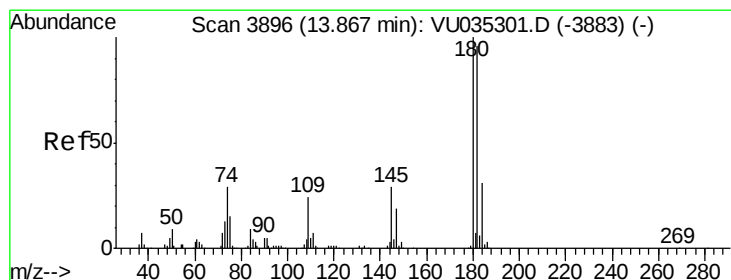
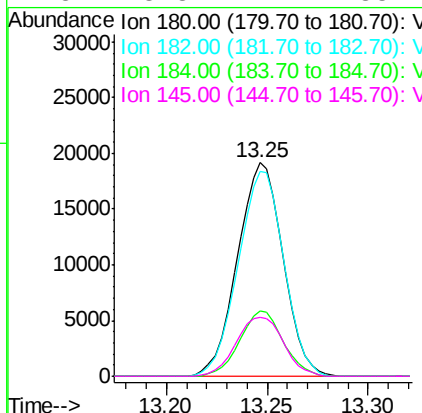
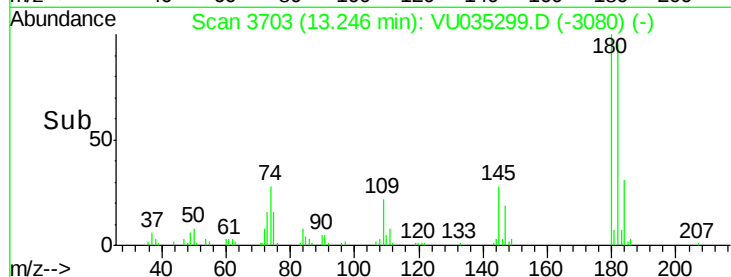
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00534



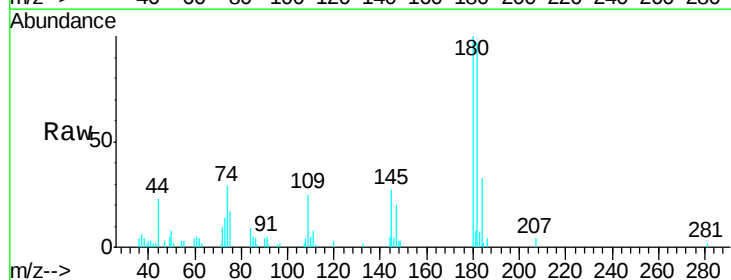
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.5	114.7
184	29.1	24.5	36.7
145	28.8	22.2	33.4

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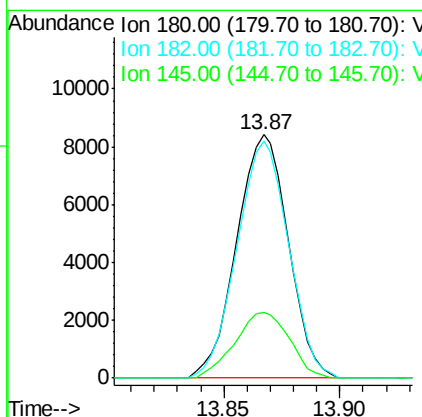
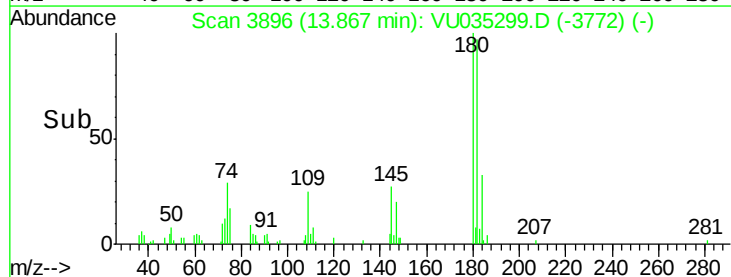
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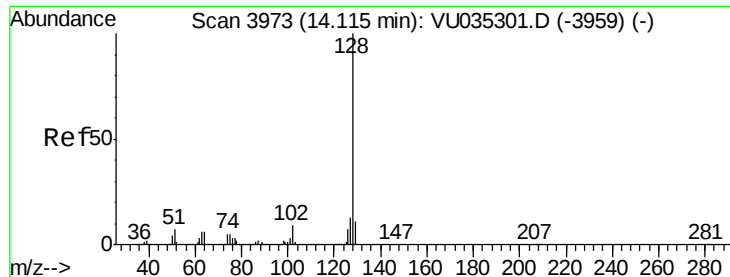


#68
 1,2,4-trichlorobenzene
 Concen: 5.256 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU035299.D
 Acq: 19 Oct 2019 06:51



Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.2	114.2
145	28.3	22.8	34.2





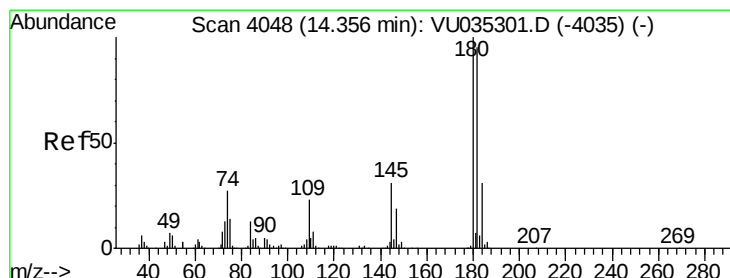
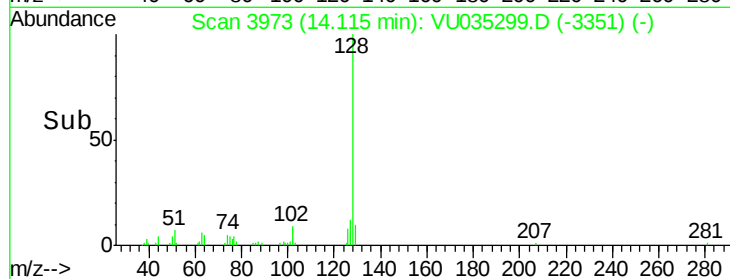
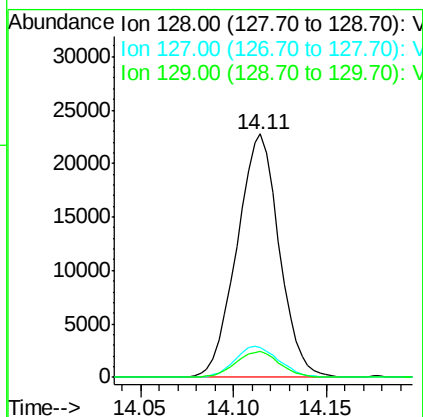
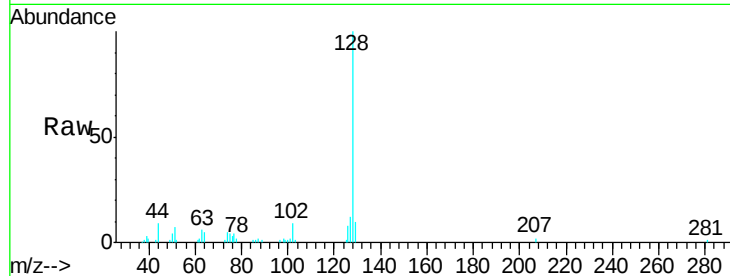
#69
Naphthalene
Concen: 5.804 ug/L
RT: 14.11 min Scan# 3973
Delta R.T. -0.00 min
Lab File: VU035299.D
Acq: 19 Oct 2019 06:51

Instrument :
MSVOA_U
ClientSampleId :
VSTD00534

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.4
129	10.9	8.6	13.0

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#70
1,2,3-Trichlorobenzene
Concen: 5.171 ug/L
RT: 14.36 min Scan# 4048
Delta R.T. -0.00 min
Lab File: VU035299.D
Acq: 19 Oct 2019 06:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.0	76.2	114.2
145	31.6	24.2	36.4

