

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101719\
 Data File : VU035201.D
 Acq On : 17 Oct 2019 09:39
 Operator : JC/SP
 Sample : VSTD0.506
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 4:10:41 PM

Quant Time: Oct 18 02:28:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 18 02:07:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	403488	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	384106	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	156011	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	12859	0.53	ug/L	0.00
7) Chloroethane-d5	1.93	69	10581	0.47	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.60	63	22851	0.46	ug/L	0.00
20) 2-Butanone-d5	4.73	46	32086	4.48	ug/L	0.00
24) Chloroform-d	5.12	84	21957	0.48	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	13410	0.50	ug/L	0.00
32) Benzene-d6	5.78	84	42339	0.46	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.74	67	13841	0.46	ug/L	0.00
41) Toluene-d8	7.93	98	41250	0.47	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.22	79	6518	0.56	ug/L	0.00
46) 2-Hexanone-d5	8.69	63	25407	4.72	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.79	84	11742	0.46	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.22	152	13626	0.51	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	16833	0.461 ug/L	97
3) Chloromethane	1.53	50	17256	0.440 ug/L	100
5) Vinyl chloride	1.62	62	17593	0.453 ug/L	92
6) Bromomethane	1.88	94	9533	0.433 ug/L	97
8) Chloroethane	1.95	64	11137	0.476 ug/L	99
9) Trichlorofluoromethane	2.16	101	23035	0.480 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	13057	0.470 ug/L	92
12) 1,1-Dichloroethene	2.61	96	12860	0.496 ug/L	94
13) Acetone	2.70	43	23957	4.234 ug/L	100
14) Carbon disulfide	2.83	76	41217	0.482 ug/L	99
15) Methyl Acetate	3.02	43	5948	0.403 ug/L	91
16) Methylene chloride	3.09	84	17219	0.540 ug/L	98
17) Methyl tert-butyl Ether	3.43	73	34529	0.485 ug/L #	93
18) trans-1,2-Dichloroethene	3.39	96	14053	0.502 ug/L	94
19) 1,1-Dichloroethane	3.92	63	25722	0.473 ug/L	95
21) 2-Butanone	4.80	43	36564	4.489 ug/L	98
22) cis-1,2-Dichloroethene	4.72	96	15019	0.482 ug/L	92
23) Bromochloromethane	5.03	128	6367	0.489 ug/L	90
25) Chloroform	5.14	83	31475	0.517 ug/L	99
27) 1,2-Dichloroethane	5.85	62	17649	0.490 ug/L	99
29) 1,1,1-Trichloroethane	5.37	97	23262	0.532 ug/L	95
30) Cyclohexane	5.43	56	24159	0.505 ug/L	99
31) Carbon tetrachloride	5.57	117	19939	0.525 ug/L	99
33) Benzene	5.82	78	55768	0.481 ug/L	100
34) Trichloroethene	6.58	95	15864	0.529 ug/L	97
35) Methylcyclohexane	6.80	83	24049	0.491 ug/L	97
37) 1,2-Dichloropropane	6.84	63	14923	0.484 ug/L #	97
38) Bromodichloromethane	7.15	83	19458	0.524 ug/L	97
39) cis-1,3-Dichloropropene	7.65	75	23523	0.539 ug/L #	82
40) 4-Methyl-2-pentanone	7.85	43	93161	4.720 ug/L	100

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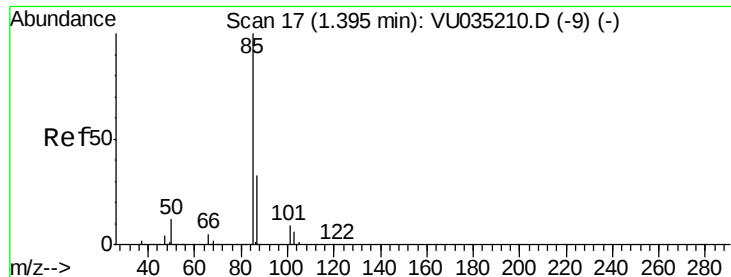
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.01	91	61793	0.509	ug/L	99
44) trans-1,3-Dichloropropene	8.25	75	18625	0.547	ug/L	88
45) 1,1,2-Trichloroethane	8.44	97	10761	0.514	ug/L	98
47) Tetrachloroethene	8.59	164	12262	0.501	ug/L	97
48) 2-Hexanone	8.74	43	62919	4.632	ug/L	98
49) Dibromochloromethane	8.85	129	13038	0.530	ug/L	96
50) 1,2-Dibromoethane	8.96	107	10457	0.518	ug/L #	99
51) Chlorobenzene	9.48	112	40869	0.517	ug/L	97
52) Ethylbenzene	9.60	91	70895	0.524	ug/L	99
53) m,p-Xylene	9.73	106	25734	0.513	ug/L	96
54) o-Xylene	10.13	106	25495	0.520	ug/L	98
55) Styrene	10.15	104	38867	0.489	ug/L	96
56) Isopropylbenzene	10.51	105	67601	0.515	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.82	83	13757	0.488	ug/L	97
59) 1,2,3-Trichloropropane	10.86	75	9726m	0.478	ug/L	
61) Bromoform	10.32	173	8030	0.699	ug/L	98
62) 1,3-Dichlorobenzene	11.78	146	26958	0.552	ug/L	96
63) 1,4-Dichlorobenzene	11.87	146	26618	0.541	ug/L	97
65) 1,2-Dichlorobenzene	12.24	146	24913	0.532	ug/L	96
66) 1,2-Dibromo-3-chloropropan	13.02	75	1823	0.609	ug/L #	82
67) 1,3,5-Trichlorobenzene	13.25	180	11679	0.359	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	5223	0.222	ug/L	97
69) Naphthalene	14.12	128	7137	0.202	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	5241	0.230	ug/L	93

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



#2

Dichlorodifluoromethane

Concen: 0.461 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU035201.D

Acq: 17 Oct 2019 09:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.506

Tot Ion: 85 Resp: 16833

Ion Ratio Lower Upper

85 100

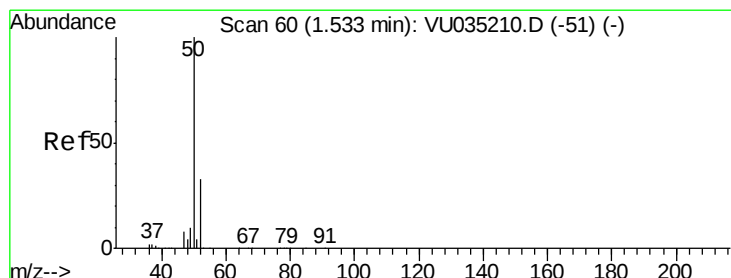
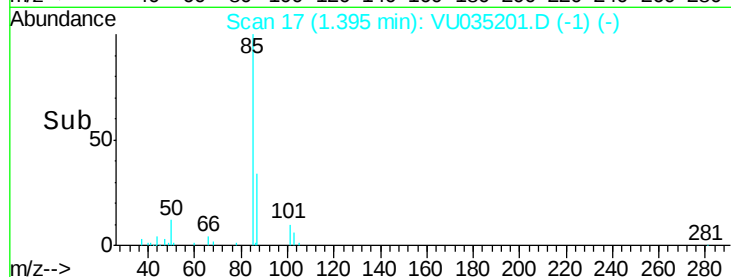
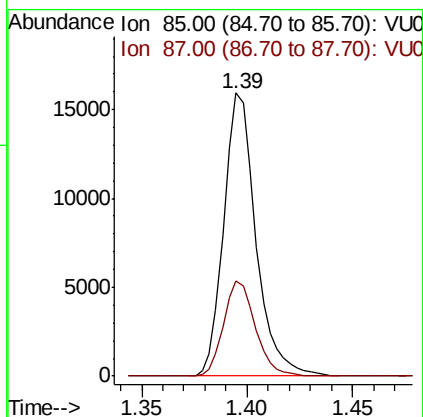
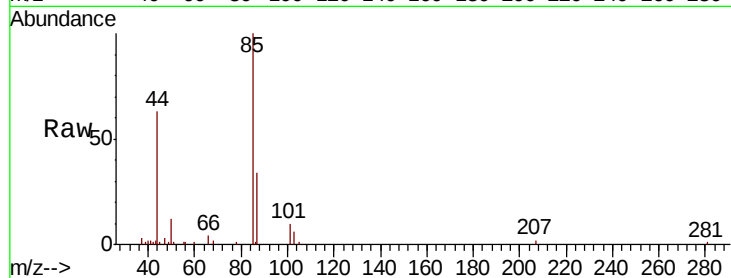
87 33.3 25.5 38.3

Manual Integrations

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#3

Chloromethane

Concen: 0.440 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU035201.D

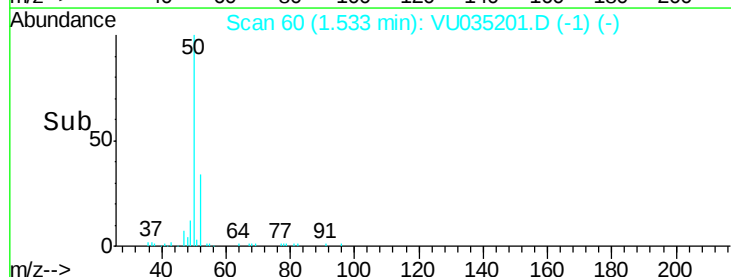
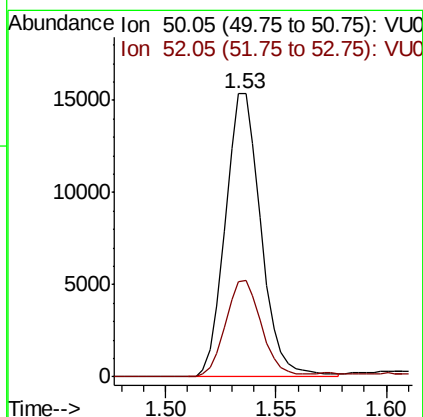
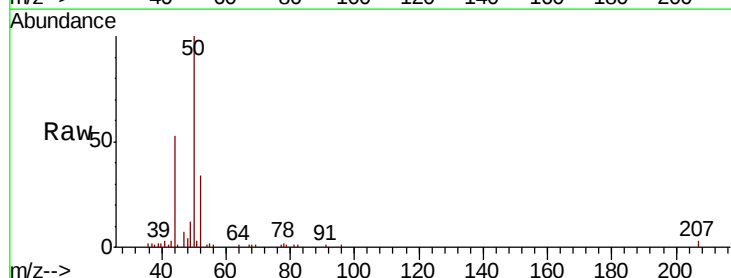
Acq: 17 Oct 2019 09:39

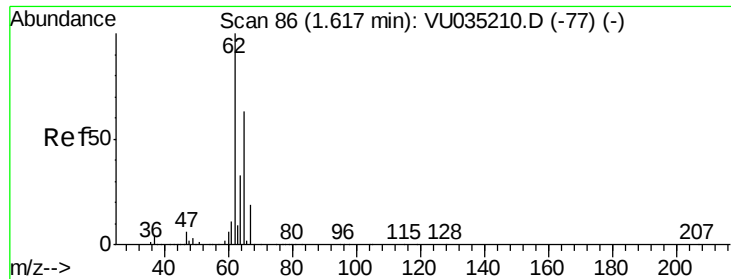
Tgt Ion: 50 Resp: 17256

Ion Ratio Lower Upper

50 100

52 33.7 23.5 43.7





#5

Vinyl chloride

Concen: 0.453 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035201.D

Acq: 17 Oct 2019 09:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.506

Tot Ion: 62 Resp: 17593

Ion Ratio Lower Upper

62 100

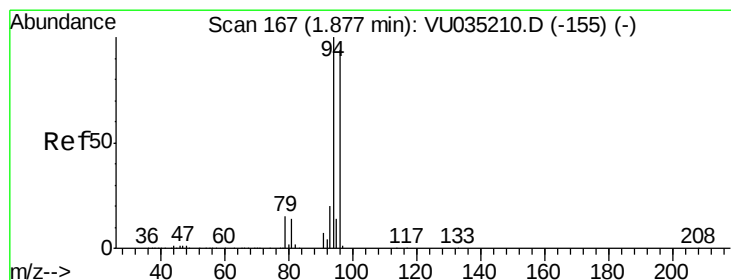
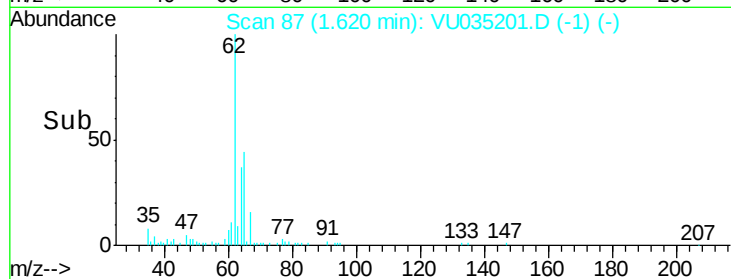
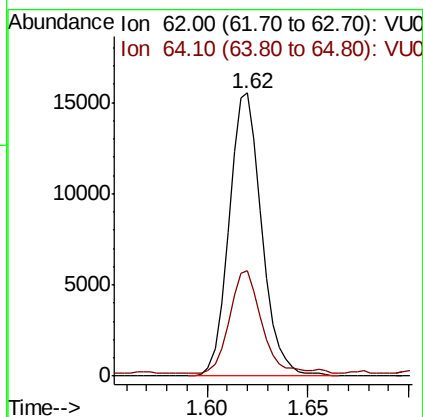
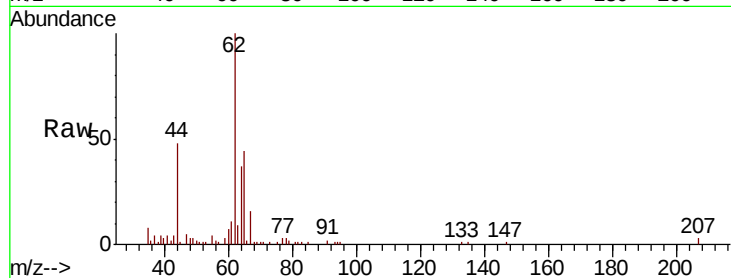
64 37.0 22.9 42.5

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#6

Bromomethane

Concen: 0.433 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU035201.D

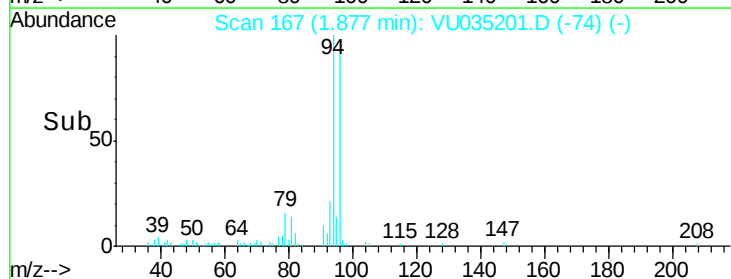
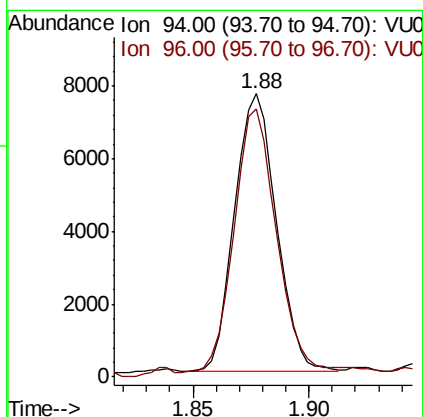
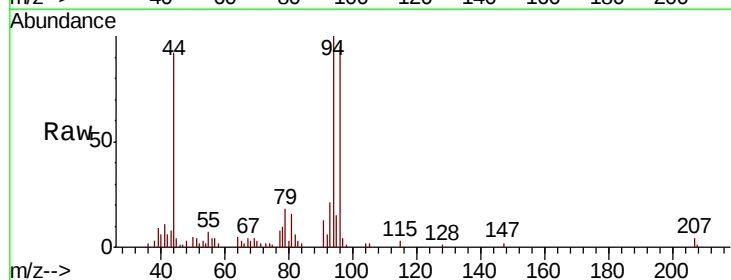
Acq: 17 Oct 2019 09:39

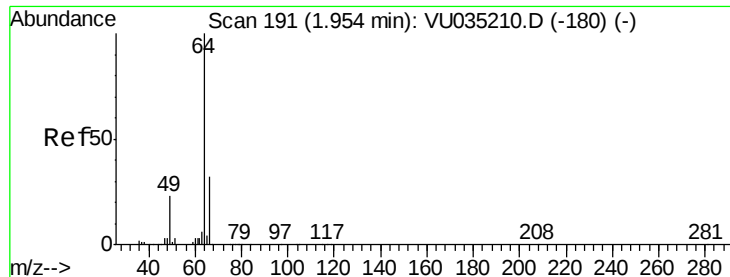
Tgt Ion: 94 Resp: 9533

Ion Ratio Lower Upper

94 100

96 94.7 64.6 120.0





#8

Chloroethane

Concen: 0.476 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU035201.D

Acq: 17 Oct 2019 09:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.506

Tot Ion: 64 Resp: 11137

Ion Ratio Lower Upper

64 100

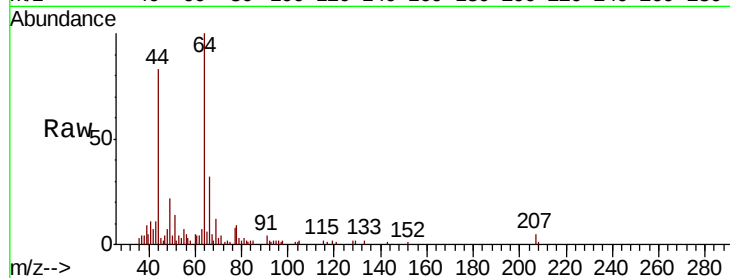
66 31.8 22.7 42.1

Manual Integrations

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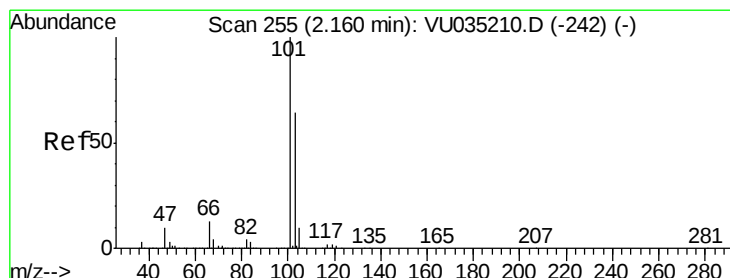
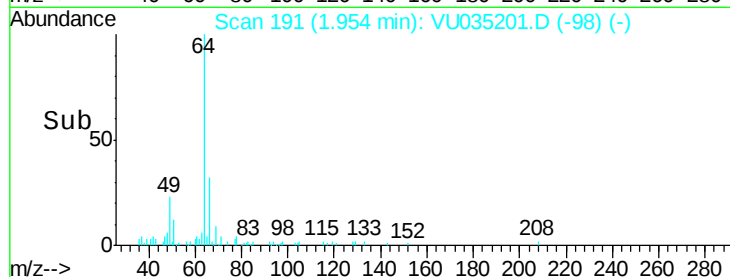
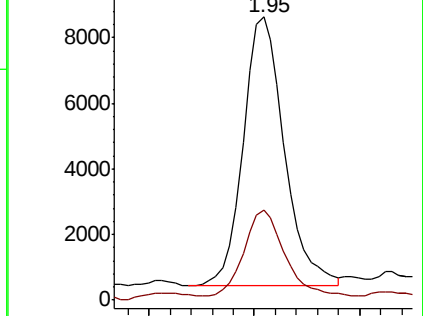
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Abundance Ion 64.10 (63.80 to 64.80): VU035201.D (-180) (-)

Ion 66.05 (65.75 to 66.75): VU035201.D (-180) (-)



#9

Trichlorofluoromethane

Concen: 0.480 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU035201.D

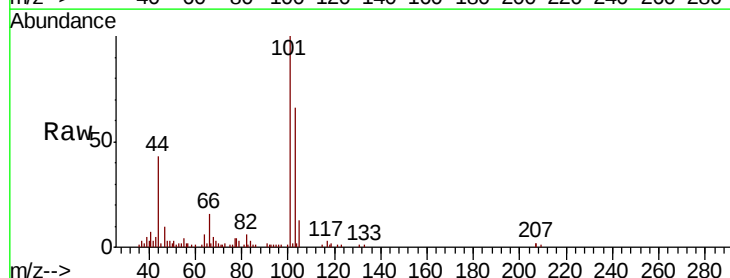
Acq: 17 Oct 2019 09:39

Tgt Ion: 101 Resp: 23035

Ion Ratio Lower Upper

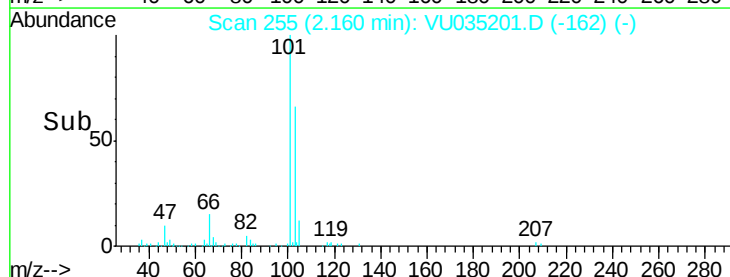
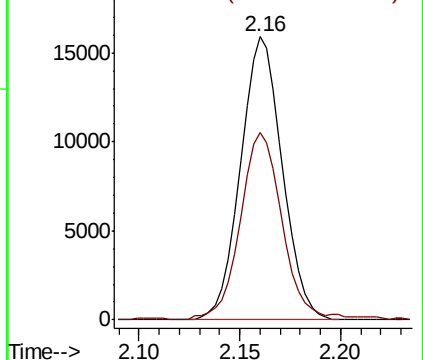
101 100

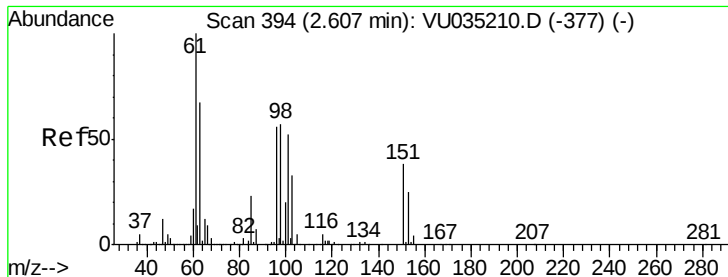
103 67.1 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VU035210.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU035210.D (-242) (-)





#10

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

Concen: 0.470 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035201.D

Acq: 17 Oct 2019 09:39

Instrument :

MSVOA_U

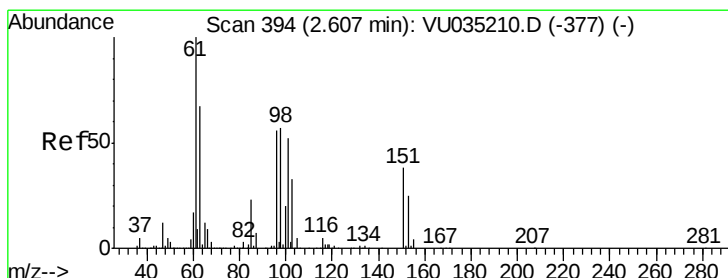
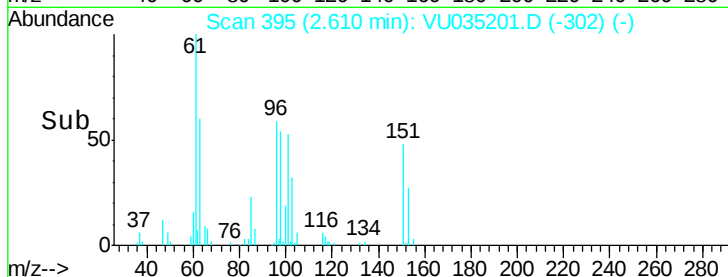
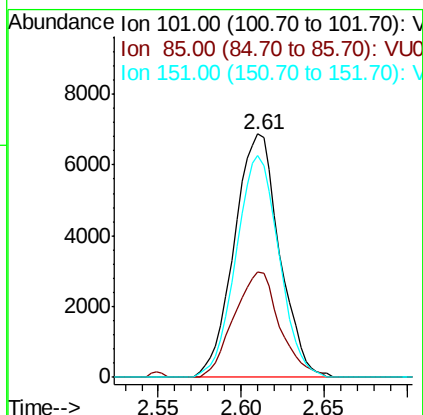
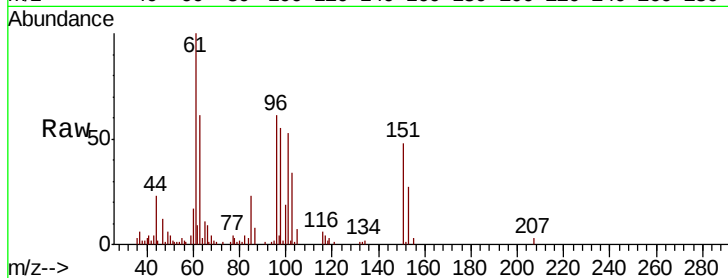
ClientSampleId :

VSTD0.506

Tot Ion:	101	Resp:	13057
Ion Ratio	Lower	Upper	
101	100		
85	43.5	33.9	50.9
151	86.6	61.0	91.4

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 0.496 ug/L

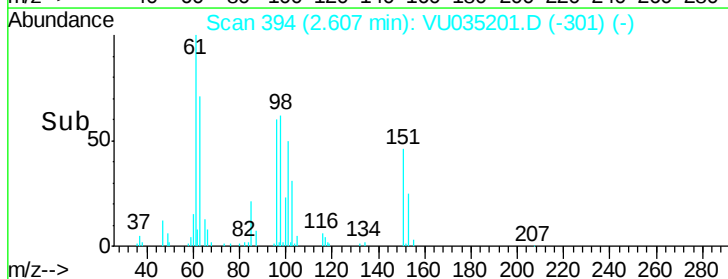
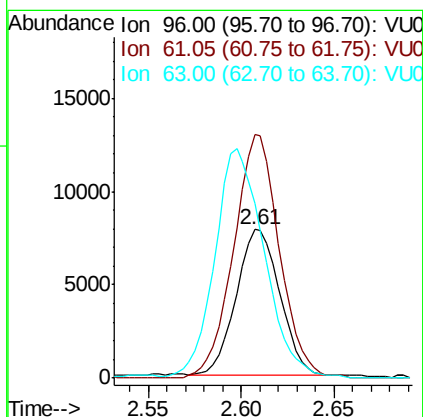
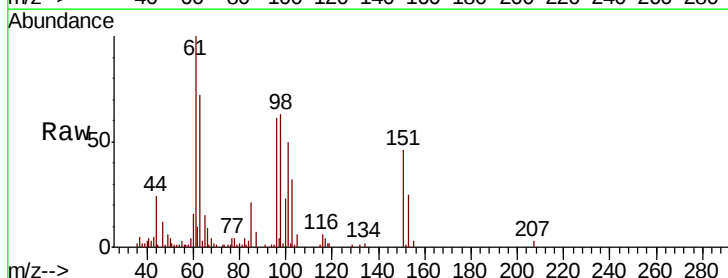
RT: 2.61 min Scan# 394

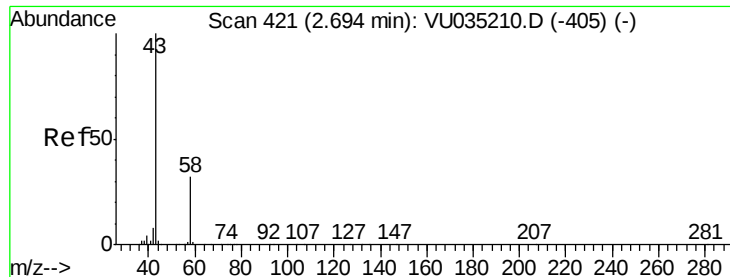
Delta R.T. 0.00 min

Lab File: VU035201.D

Acq: 17 Oct 2019 09:39

Tgt Ion:	96	Resp:	12860
Ion Ratio	Lower	Upper	
96	100		
61	163.8	120.6	224.0
63	117.4	86.8	161.2





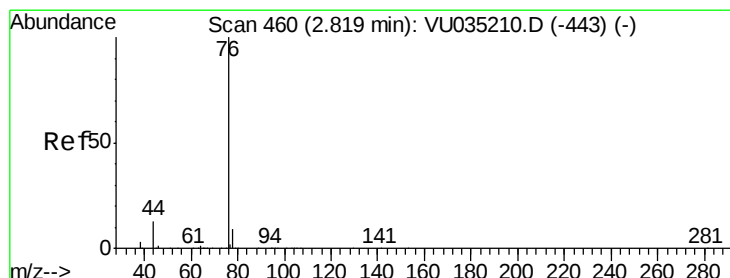
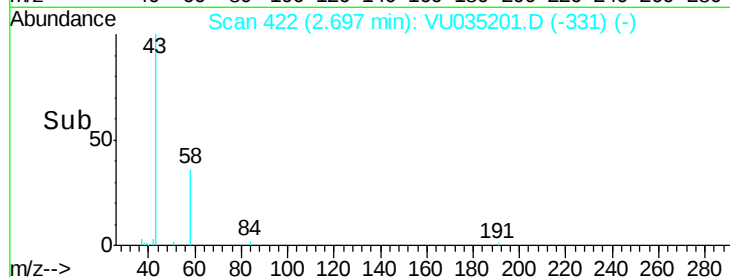
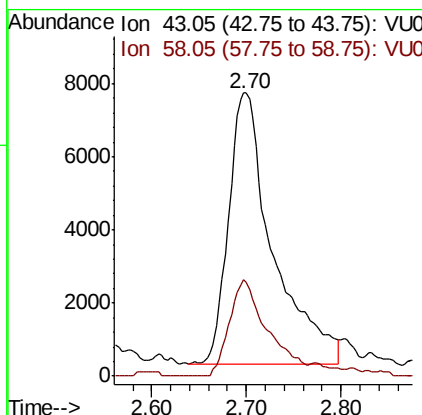
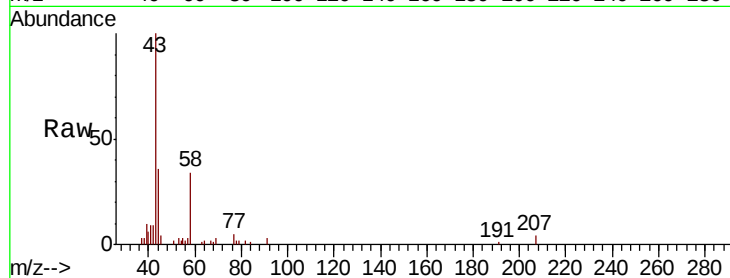
#13
Acetone
Concen: 4.234 ug/L
RT: 2.70 min Scan# 422
Delta R.T. -0.01 min
Lab File: VU035201.D
Acq: 17 Oct 2019 09:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.506

Tot Ion	Ratio	Lower	Upper
43	100		
58	31.1	0.0	61.8

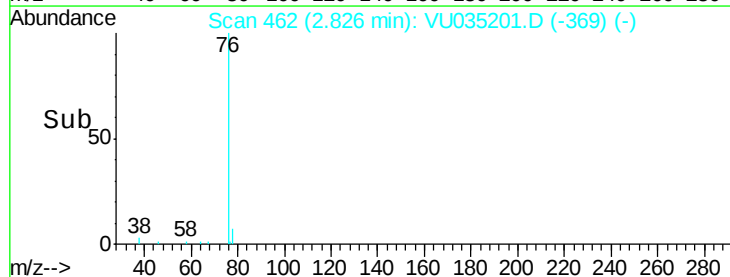
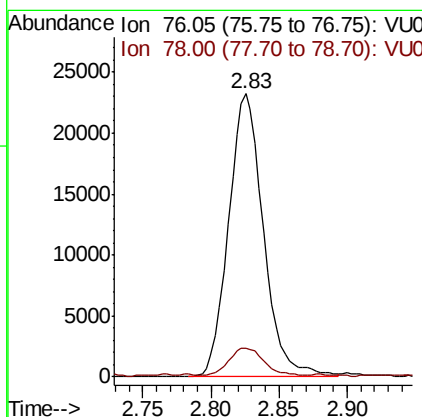
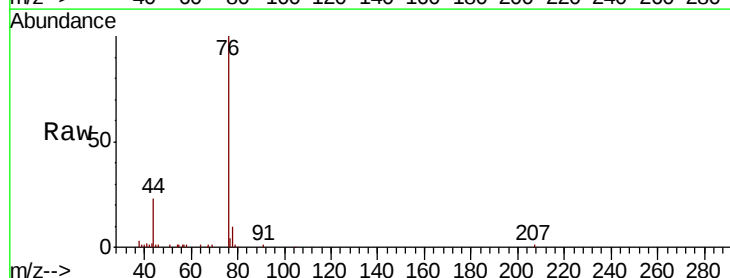
Manual Integrations
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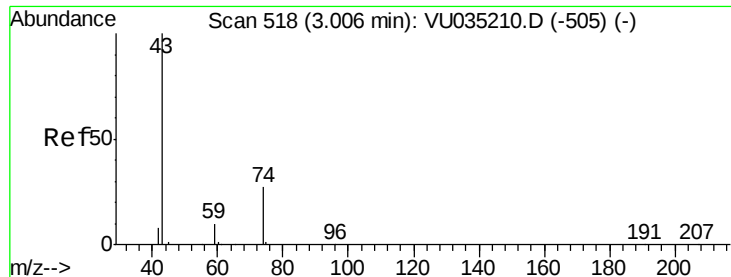
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10/18/2019 4:10:41 PM



#14
Carbon disulfide
Concen: 0.482 ug/L
RT: 2.83 min Scan# 462
Delta R.T. 0.00 min
Lab File: VU035201.D
Acq: 17 Oct 2019 09:39

Tgt Ion	Ratio	Lower	Upper
76	100		
78	10.0	7.6	11.4





#15

Methyl Acetate

Concen: 0.403 ug/L

RT: 3.02 min Scan# 521

Delta R.T. 0.01 min

Lab File: VU035201.D

Acq: 17 Oct 2019 09:39

Instrument :

MSVOA_U

ClientSampled :

VSTD0.506

Tot Ion: 43 Resp: 5948

Ion Ratio Lower Upper

43 100

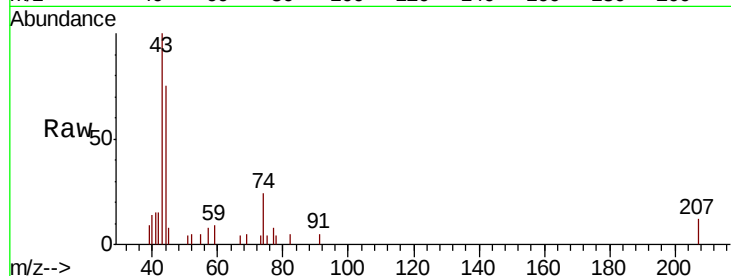
74 20.9 20.3 30.5

Manual Integrations

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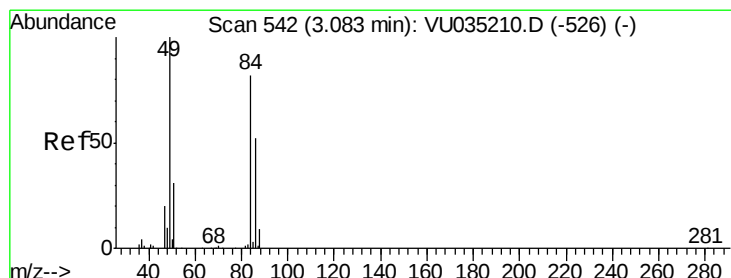
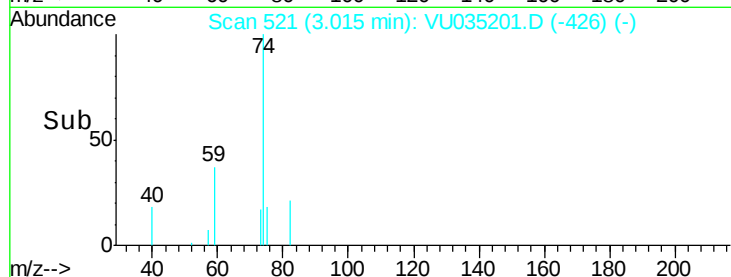
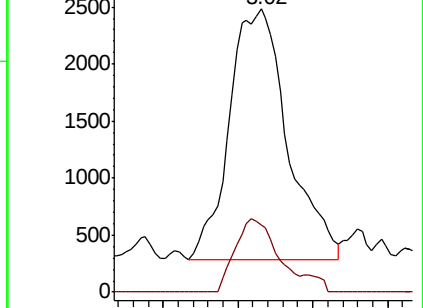
MMDadoda

10/18/2019 4:10:41 PM



Abundance Ion 43.05 (42.75 to 43.75): VU035201.D (-505) (-)

Ion 74.05 (73.75 to 74.75): VU035201.D (-505) (-)



#16

Methylene chloride

Concen: 0.540 ug/L

RT: 3.09 min Scan# 543

Delta R.T. 0.00 min

Lab File: VU035201.D

Acq: 17 Oct 2019 09:39

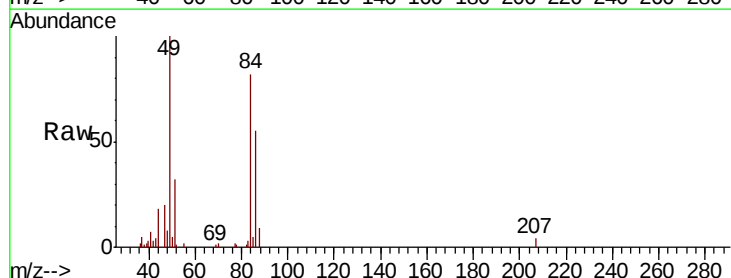
Tgt Ion: 84 Resp: 17219

Ion Ratio Lower Upper

84 100

86 66.4 45.4 84.2

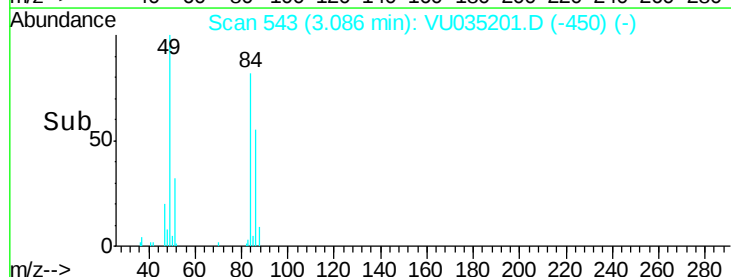
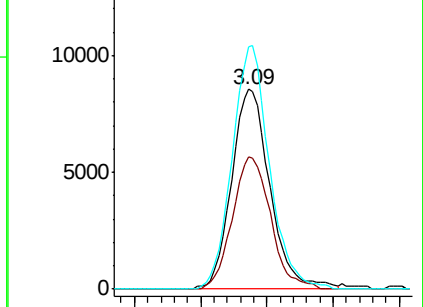
49 121.3 86.8 161.2

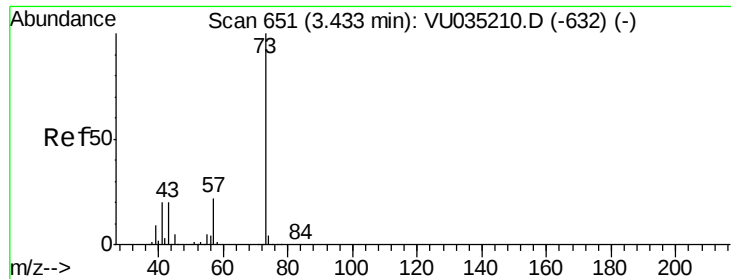


Abundance Ion 84.05 (83.75 to 84.75): VU035210.D (-526) (-)

Ion 86.00 (85.70 to 86.70): VU035210.D (-526) (-)

Ion 49.10 (48.80 to 49.80): VU035210.D (-526) (-)





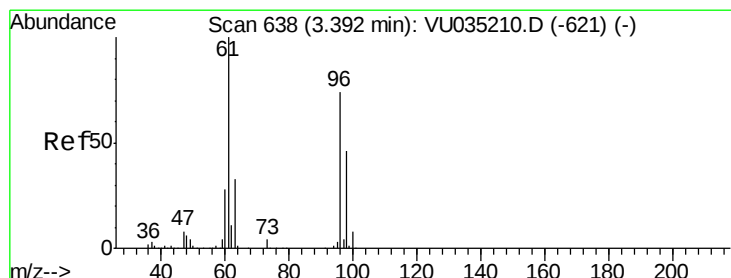
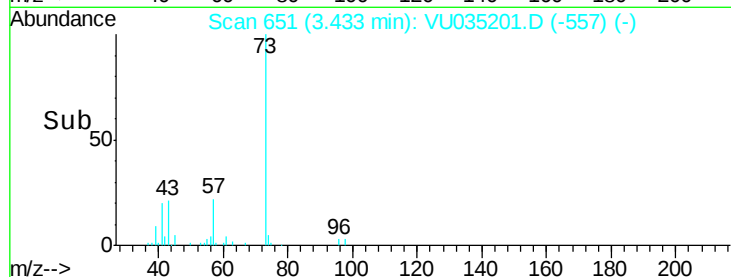
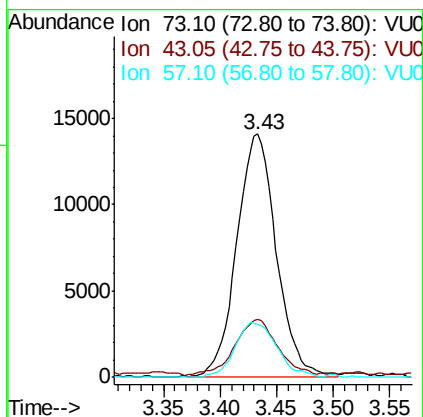
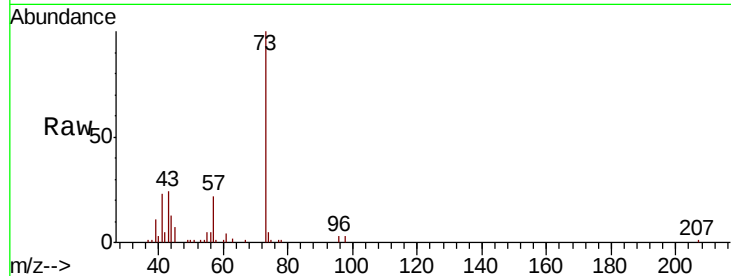
#17
Methvl tert-butvl Ether
Concen: 0.485 ug/L
RT: 3.43 min Scan# 651
Delta R.T. 0.00 min
Lab File: VU035201.D
Acq: 17 Oct 2019 09:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.506

Tot Ion	Ratio	Lower	Upper
73	100		
43	24.4	16.0	24.0#
57	23.6	17.4	26.2

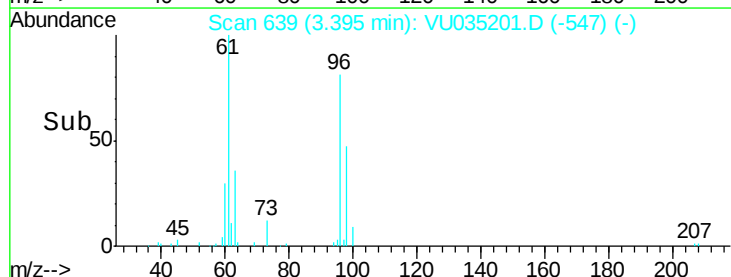
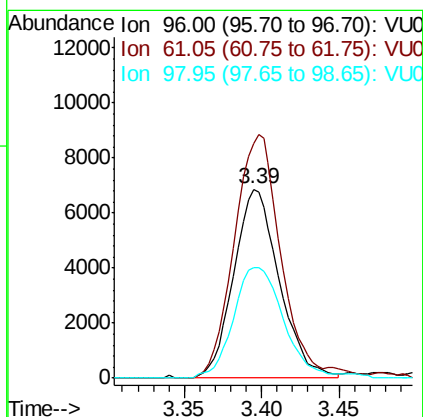
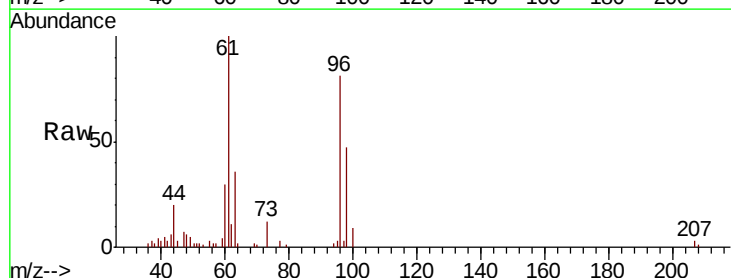
Manual Integrations
APPROVED

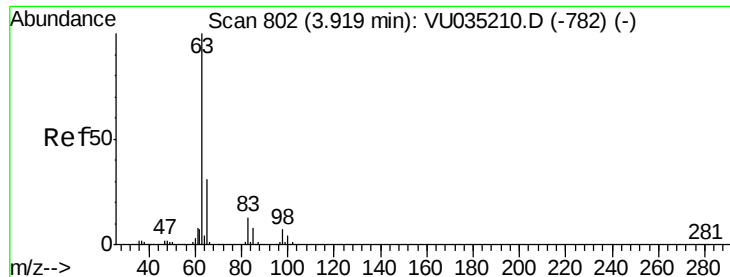
MMDadoda
10/18/2019 4:10:41 PM



#18
trans-1,2-Dichloroethene
Concen: 0.502 ug/L
RT: 3.39 min Scan# 639
Delta R.T. -0.00 min
Lab File: VU035201.D
Acq: 17 Oct 2019 09:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	124.1	93.0	172.6
98	58.8	43.7	81.1





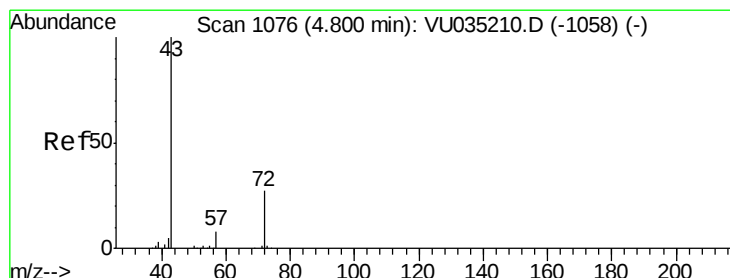
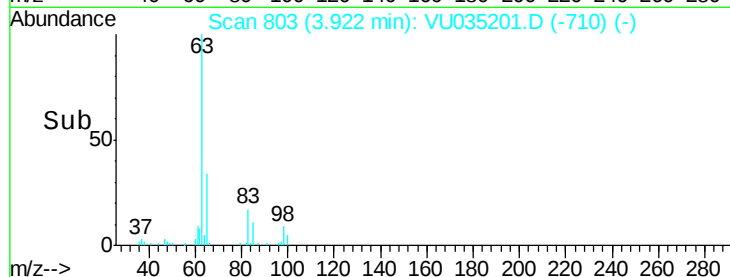
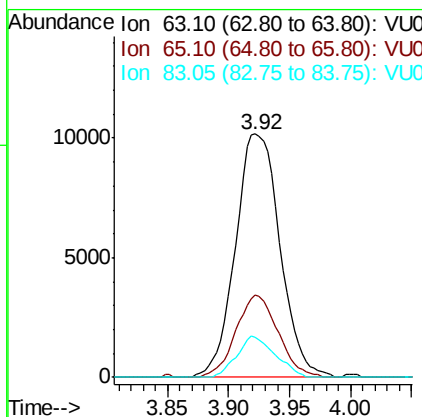
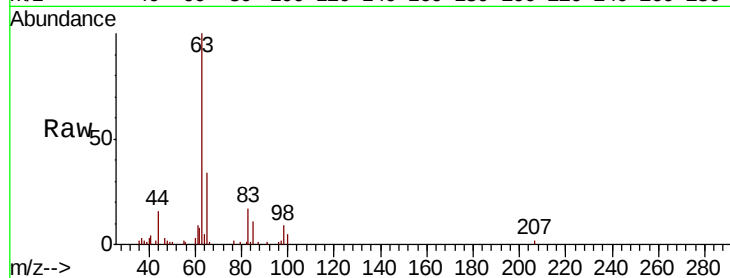
#19
 1,1-Dichloroethane
 Concen: 0.473 ug/L
 RT: 3.92 min Scan# 803
 Delta R.T. 0.00 min
 Lab File: VU035201.D
 Acq: 17 Oct 2019 09:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

Tot Ion:	63	Resp:	25722
Ion Ratio	Lower	Upper	
63	100		
65	33.7	22.4	41.6
83	16.7	9.3	17.3

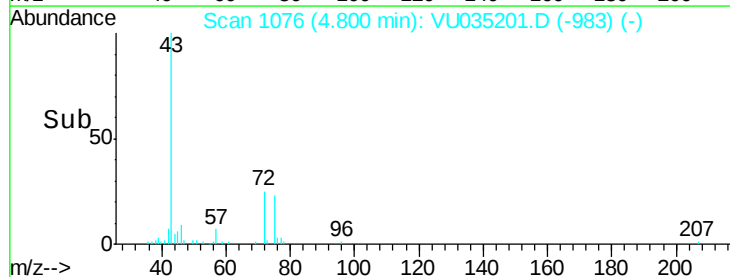
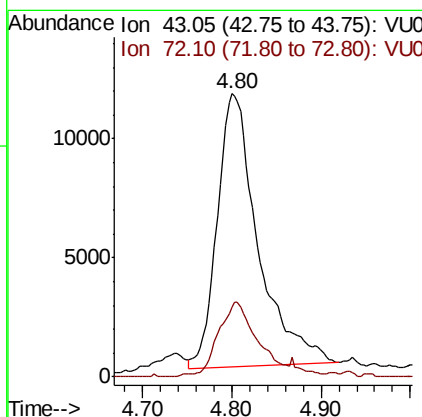
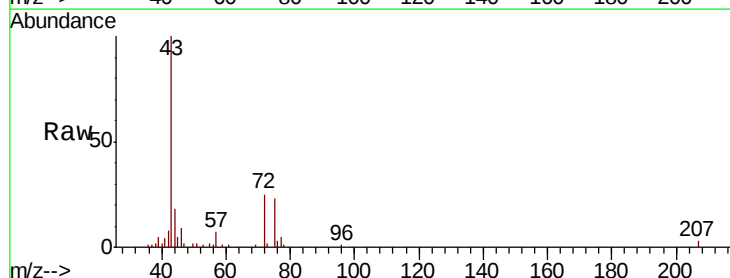
Manual Integrations
 APPROVED

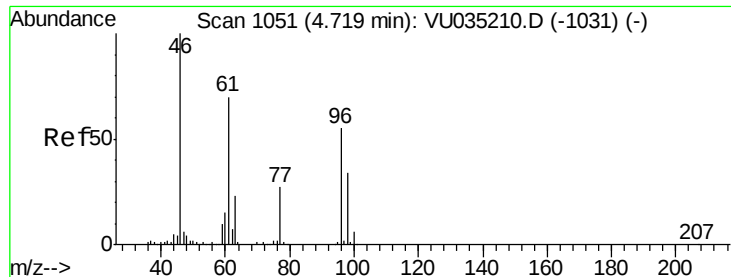
MMDadoda
 10/18/2019 4:10:41 PM



#21
 2-Butanone
 Concen: 4.489 ug/L
 RT: 4.80 min Scan# 1076
 Delta R.T. 0.00 min
 Lab File: VU035201.D
 Acq: 17 Oct 2019 09:39

Tgt Ion:	43	Resp:	36564
Ion Ratio	Lower	Upper	
43	100		
72	26.1	13.6	40.8





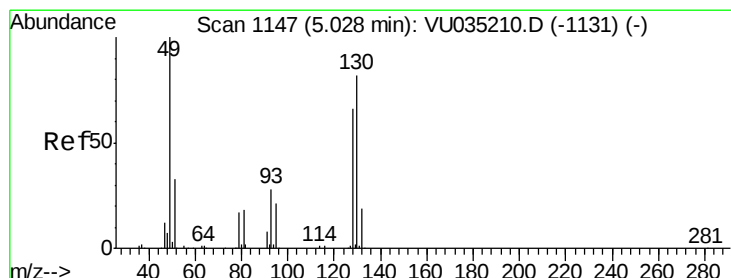
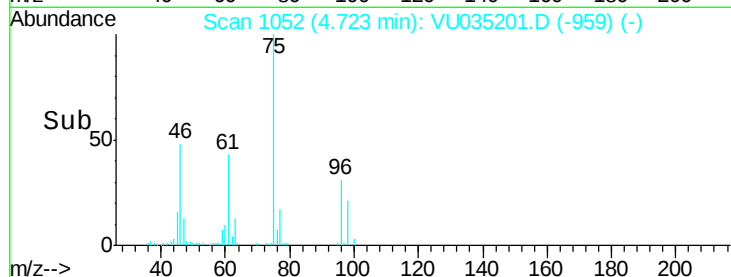
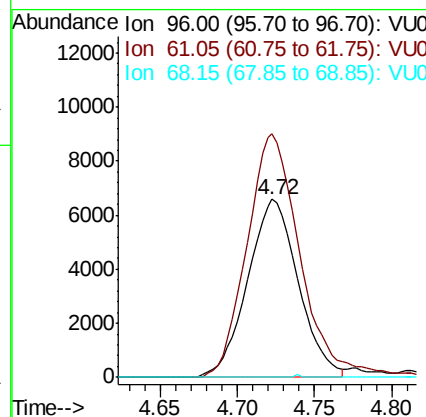
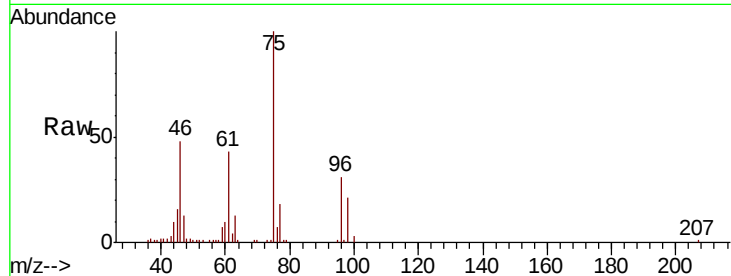
#22
 cis-1,2-Dichloroethene
 Concen: 0.482 ug/L
 RT: 4.72 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VU035201.D
 Acq: 17 Oct 2019 09:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.8	89.7	166.5
68	0.0	0.0	0.0

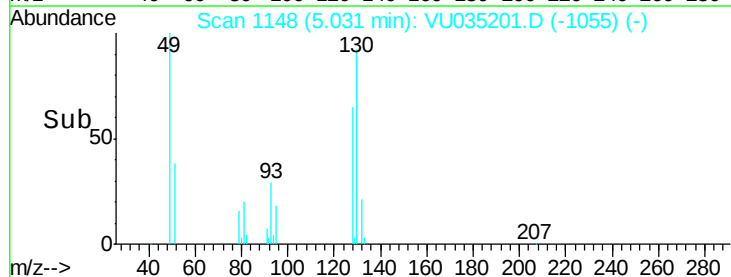
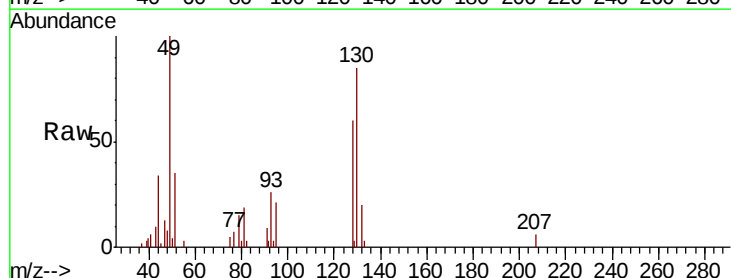
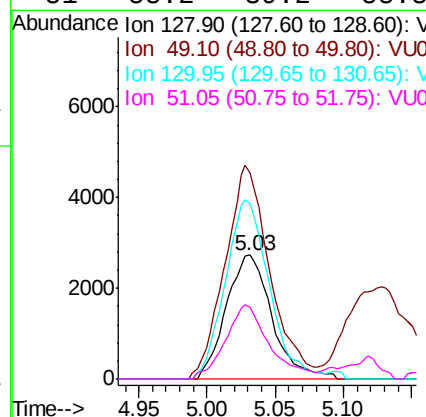
Manual Integrations
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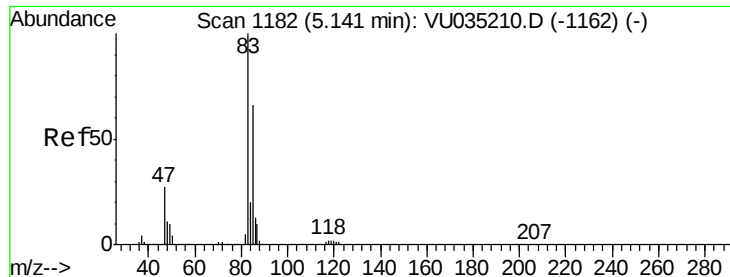
MMDadoda
 10/18/2019 4:10:41 PM



#23
 Bromochloromethane
 Concen: 0.489 ug/L
 RT: 5.03 min Scan# 1148
 Delta R.T. 0.00 min
 Lab File: VU035201.D
 Acq: 17 Oct 2019 09:39

Tgt Ion	Ratio	Lower	Upper
128	100		
49	165.7	109.3	203.1
130	140.8	88.7	164.7
51	58.2	39.2	58.8





#25

Chloroform

Concen: 0.517 ug/L

RT: 5.14 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU035201.D

Acq: 17 Oct 2019 09:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.506

Tot Ion: 83 Resp: 31475

Ion Ratio Lower Upper

83 100

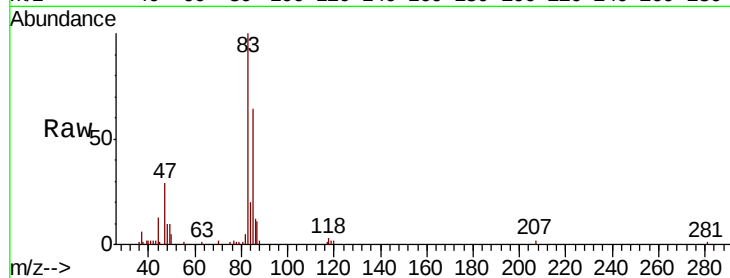
85 64.1 45.1 83.9

Manual Integrations

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Abundance Ion 83.05 (82.75 to 83.75): VU035210.D (-1162) (-)

Ion 85.00 (84.70 to 85.70): VU035210.D (-1162) (-)

15000

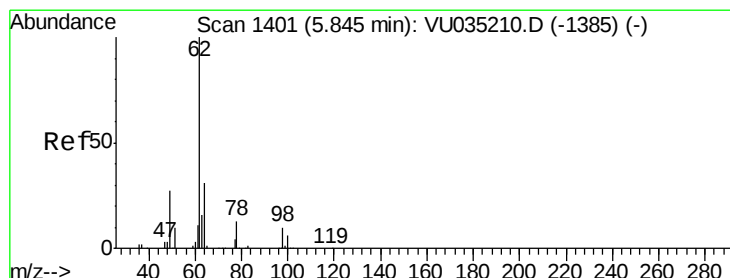
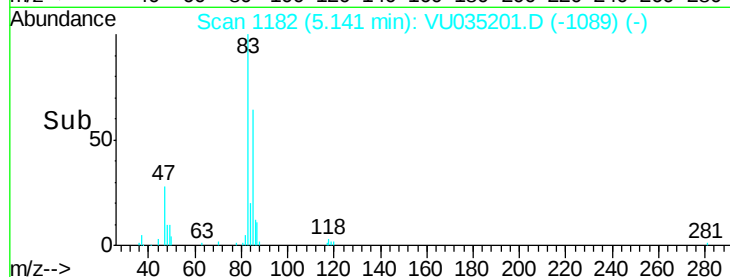
10000

5000

0

5.05 5.10 5.15 5.20 5.25

Time-->



#27

1,2-Dichloroethane

Concen: 0.490 ug/L

RT: 5.85 min Scan# 1402

Delta R.T. 0.00 min

Lab File: VU035201.D

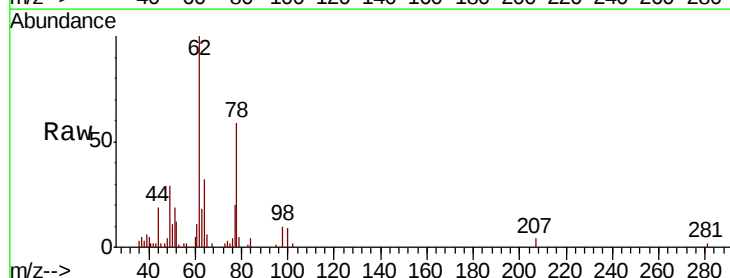
Acq: 17 Oct 2019 09:39

Tgt Ion: 62 Resp: 17649

Ion Ratio Lower Upper

62 100

98 10.2 7.8 11.6



Abundance Ion 62.00 (61.70 to 62.70): VU035210.D (-1385) (-)

Ion 98.05 (97.75 to 98.75): VU035210.D (-1385) (-)

8000

6000

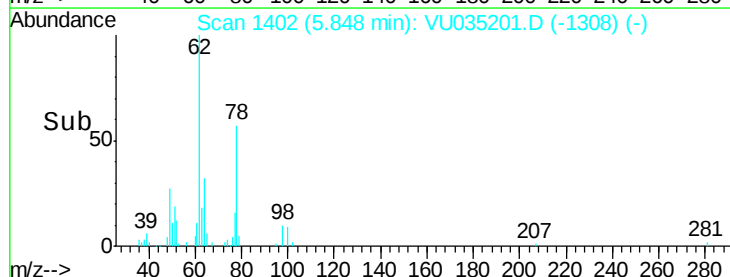
4000

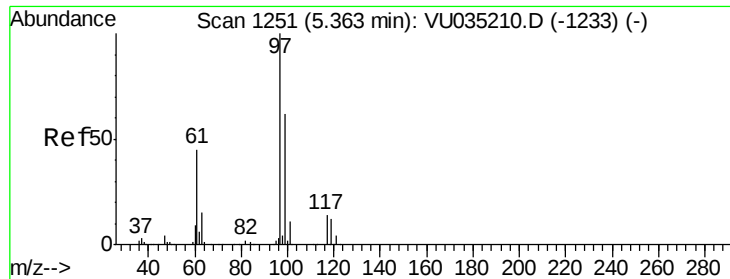
2000

0

5.80 5.85 5.90

Time-->





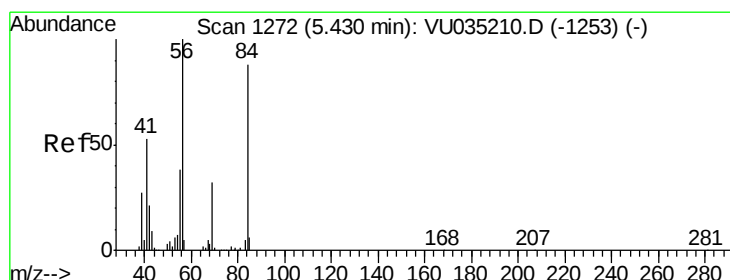
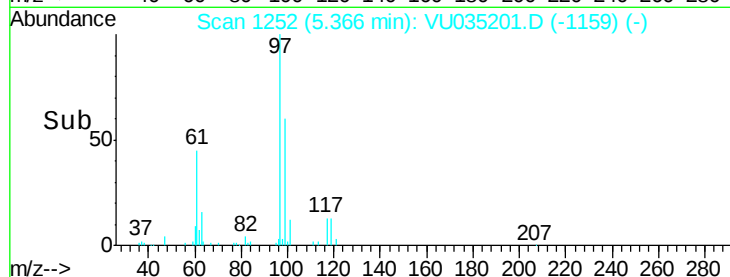
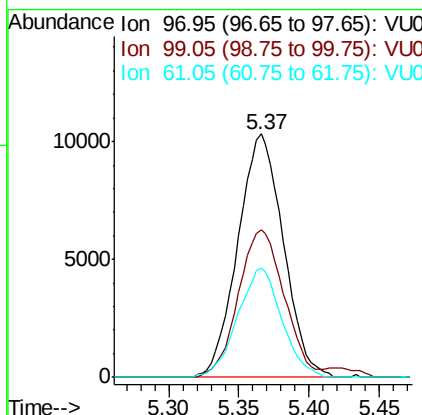
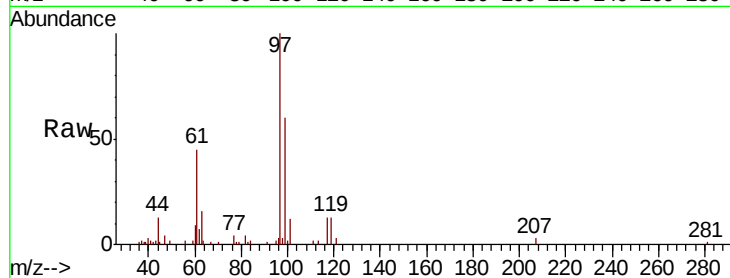
#29
 1,1,1-Trichloroethane
 Concen: 0.532 ug/L
 RT: 5.37 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VU035201.D
 Acq: 17 Oct 2019 09:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

Tot Ion	Ratio	Lower	Upper
97	100		
99	61.1	52.6	79.0
61	43.7	37.0	55.4

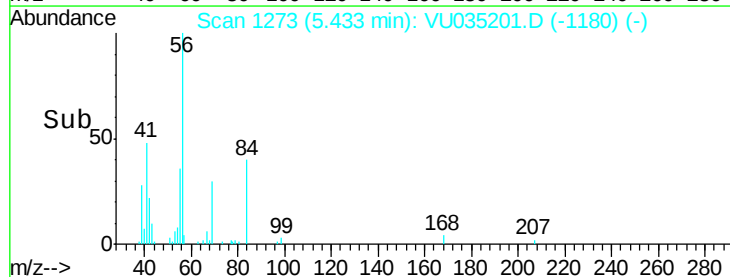
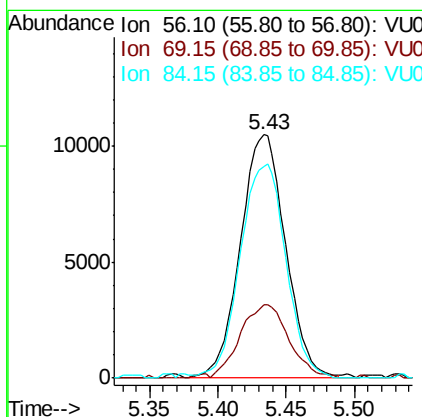
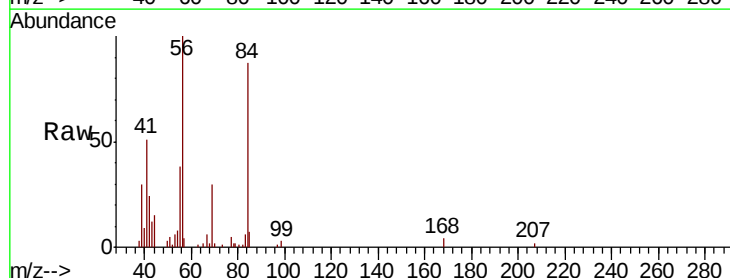
Manual Integrations
 APPROVED

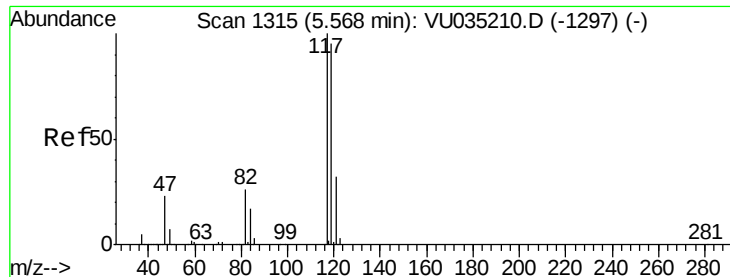
MMDadoda
 10/18/2019 4:10:41 PM



#30
 Cyclohexane
 Concen: 0.505 ug/L
 RT: 5.43 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VU035201.D
 Acq: 17 Oct 2019 09:39

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.4	24.6	36.8
84	89.0	71.5	107.3





#31

Carbon tetrachloride

Concen: 0.525 ug/L

RT: 5.57 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VU035201.D

Acq: 17 Oct 2019 09:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.506

Tot Ion:117 Resp: 19939

Ion Ratio Lower Upper

117 100

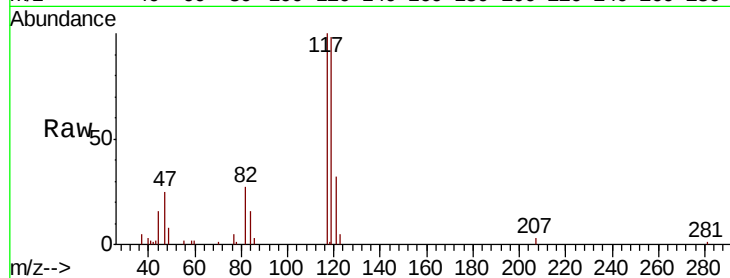
119 96.0 77.4 116.0

Manual Integrations

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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.57

10000

8000

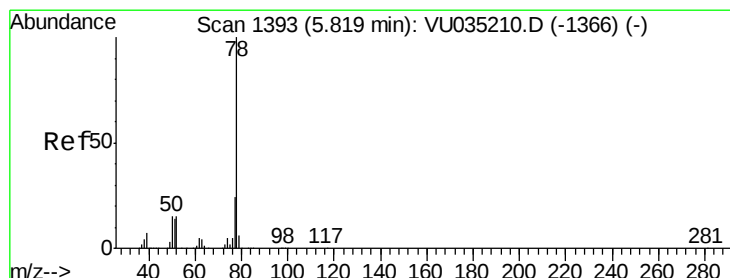
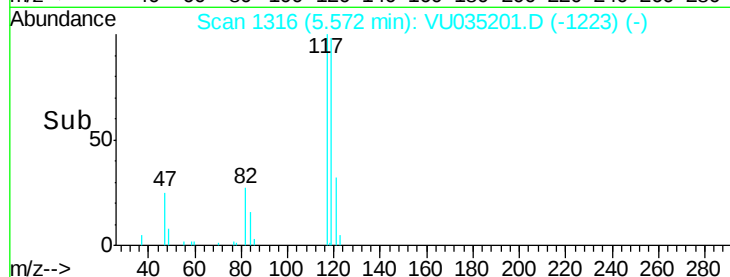
6000

4000

2000

0

Time-->



#33

Benzene

Concen: 0.481 ug/L

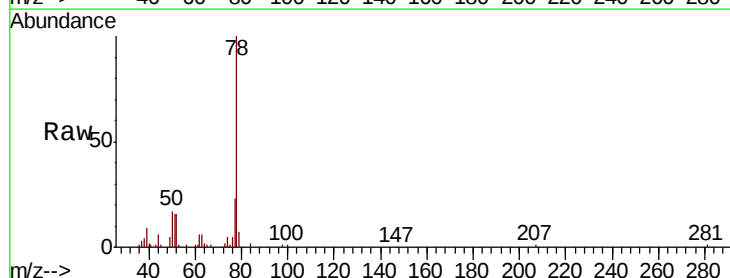
RT: 5.82 min Scan# 1394

Delta R.T. 0.00 min

Lab File: VU035201.D

Acq: 17 Oct 2019 09:39

Tgt Ion: 78 Resp: 55768



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.82

30000

25000

20000

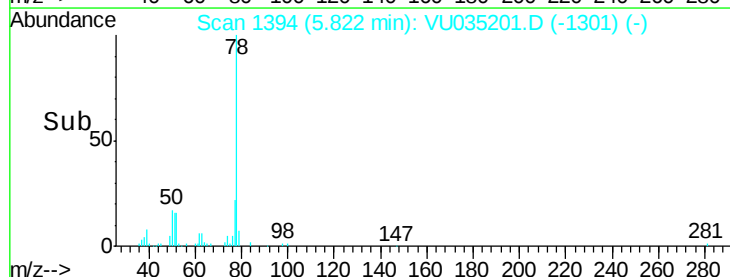
15000

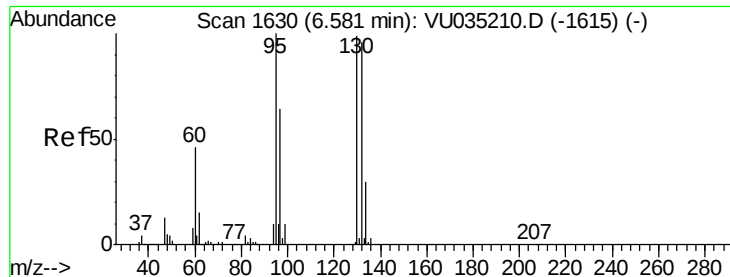
10000

5000

0

Time-->





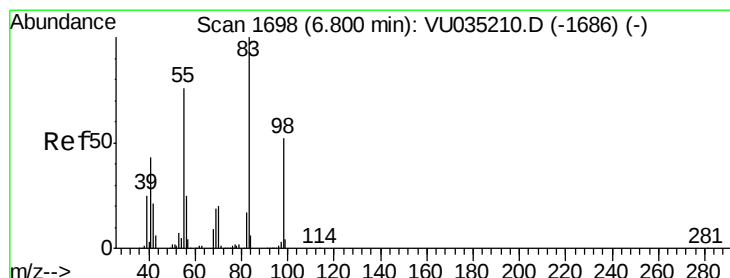
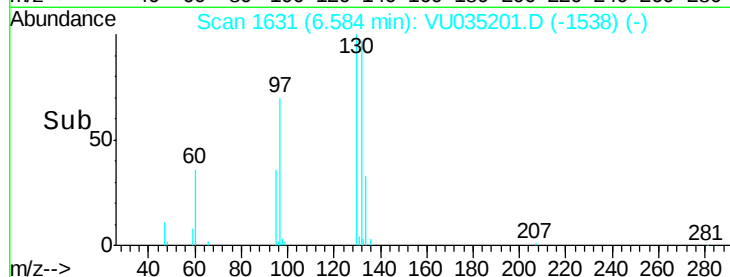
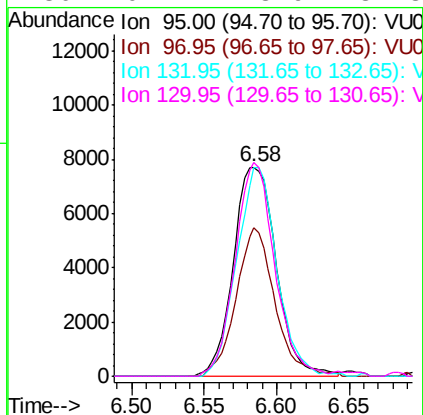
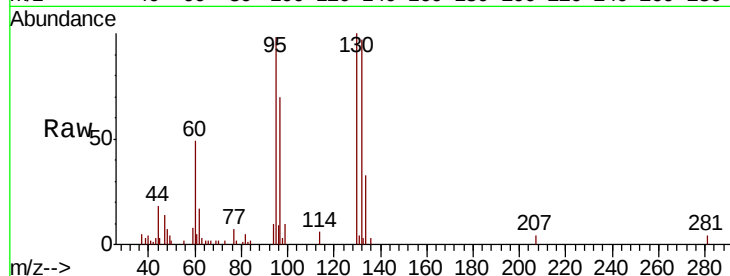
#34
 Trichloroethene
 Concen: 0.529 ug/L
 RT: 6.58 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VU035201.D
 Acq: 17 Oct 2019 09:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

Tot Ion	95	Resp	15864
Ion Ratio	Lower	Upper	
95	100		
97	71.3	46.6	86.6
132	99.5	68.7	127.7
130	102.1	73.9	137.3

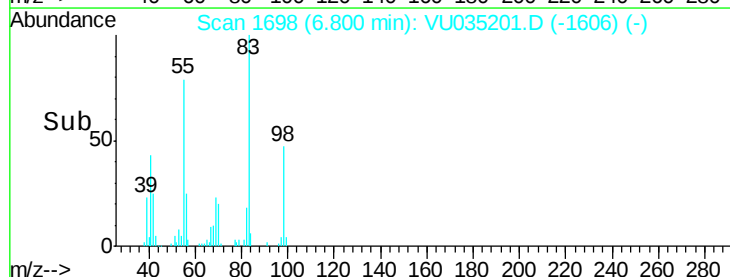
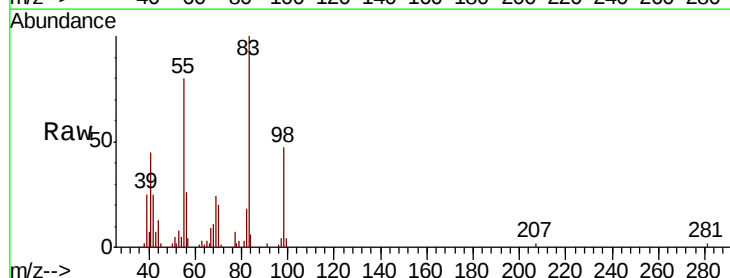
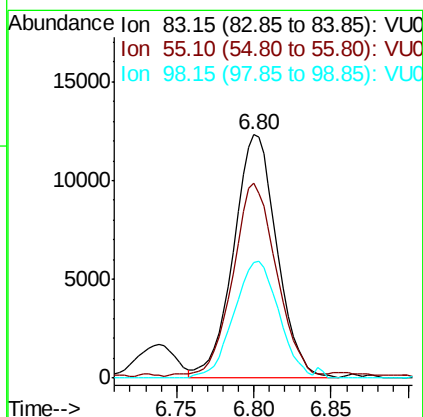
Manual Integrations
 APPROVED

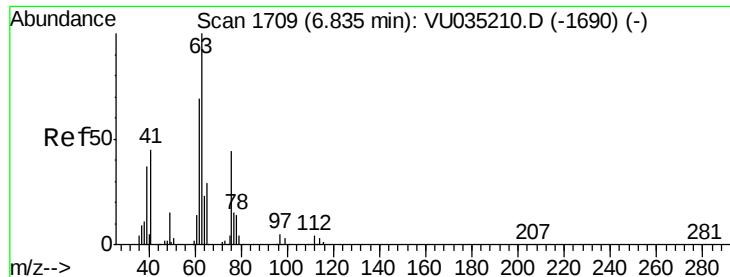
MMDadoda
 10/18/2019 4:10:41 PM



#35
 Methylcyclohexane
 Concen: 0.491 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU035201.D
 Acq: 17 Oct 2019 09:39

Tgt Ion	83	Resp	24049
Ion Ratio	Lower	Upper	
83	100		
55	79.1	60.4	90.6
98	49.5	39.5	59.3





#37

1,2-Dichloropropane

Concen: 0.484 ug/L

RT: 6.84 min Scan# 1709

Delta R.T. 0.00 min

Lab File: VU035201.D

Acq: 17 Oct 2019 09:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.506

Tot Ion: 63 Resp: 14923

Ion Ratio Lower Upper

63 100

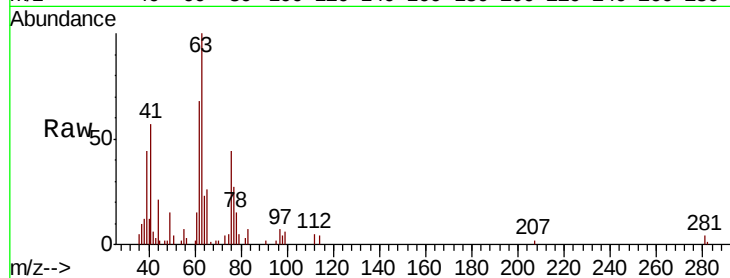
112 3.5 3.7 5.5#

Manual Integrations

APPROVED

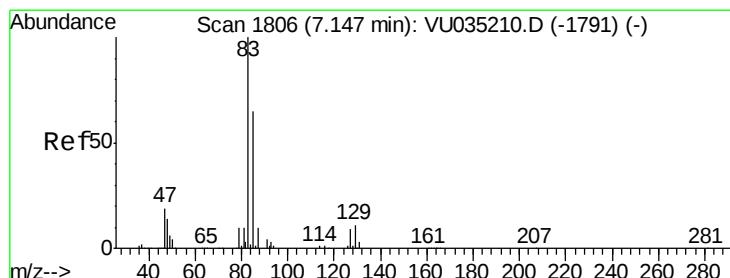
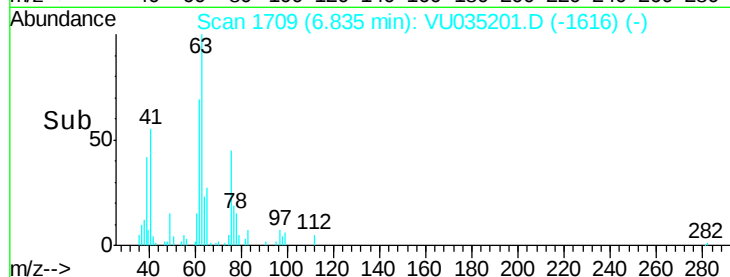
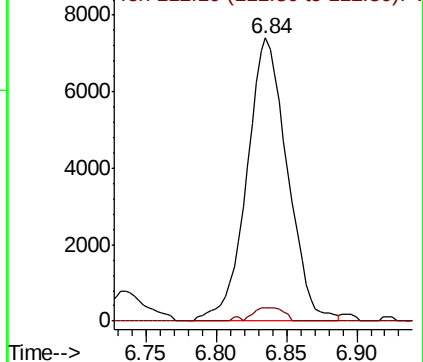
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Abundance Ion 63.10 (62.80 to 63.80): VU035201.D (-1690) (-)

Ion 112.10 (111.80 to 112.80): VU035201.D (-1690) (-)



#38

Bromodichloromethane

Concen: 0.524 ug/L

RT: 7.15 min Scan# 1806

Delta R.T. 0.00 min

Lab File: VU035201.D

Acq: 17 Oct 2019 09:39

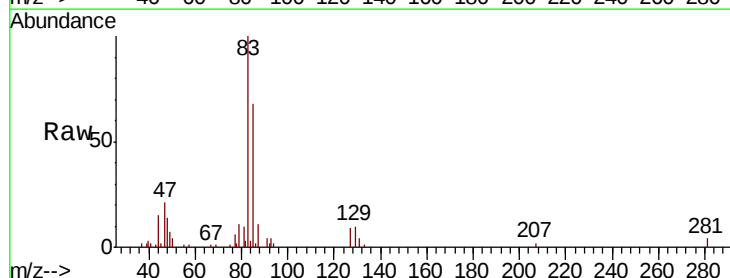
Tgt Ion: 83 Resp: 19458

Ion Ratio Lower Upper

83 100

85 68.2 45.6 84.8

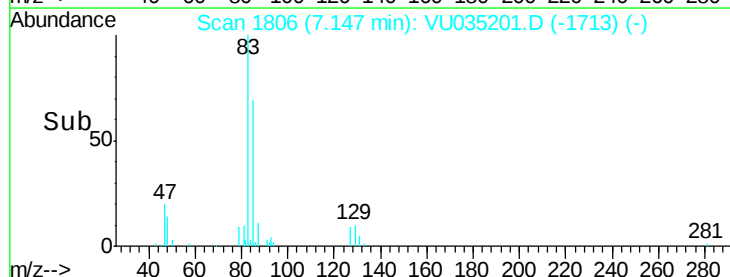
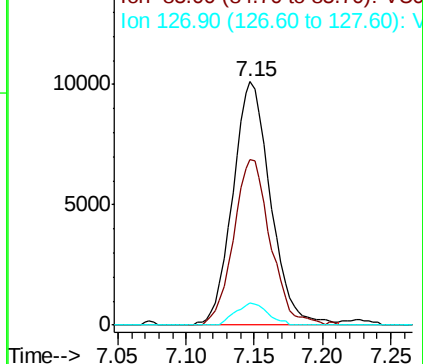
127 8.9 6.9 10.3

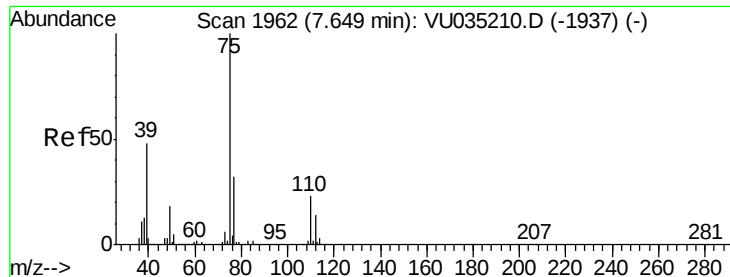


Abundance Ion 82.95 (82.65 to 83.65): VU035210.D (-1791) (-)

Ion 85.00 (84.70 to 85.70): VU035210.D (-1791) (-)

Ion 126.90 (126.60 to 127.60): VU035210.D (-1791) (-)





#39

cis-1,3-Dichloropropene

Concen: 0.539 ug/L

RT: 7.65 min Scan# 1962

Delta R.T. 0.00 min

Lab File: VU035201.D

Acq: 17 Oct 2019 09:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.506

Tot Ion: 75 Resp: 23523

Ion Ratio Lower Upper

75 100

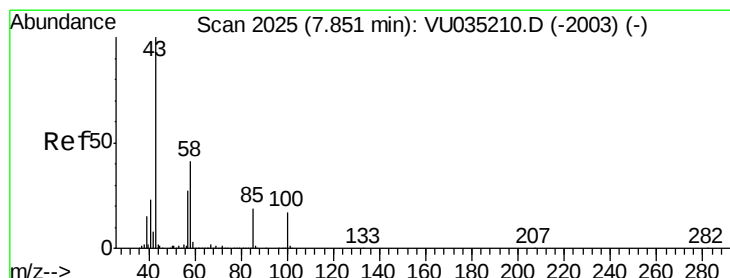
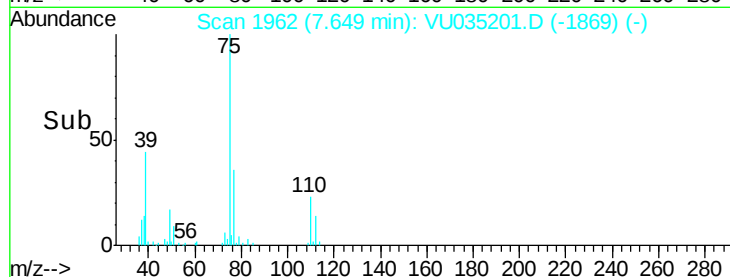
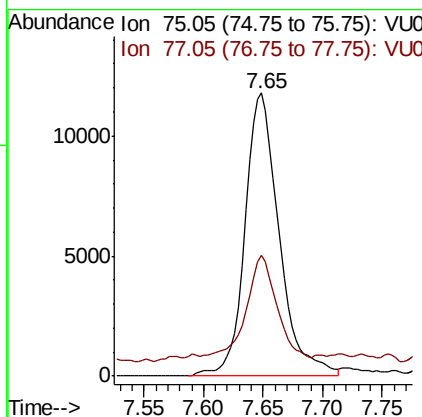
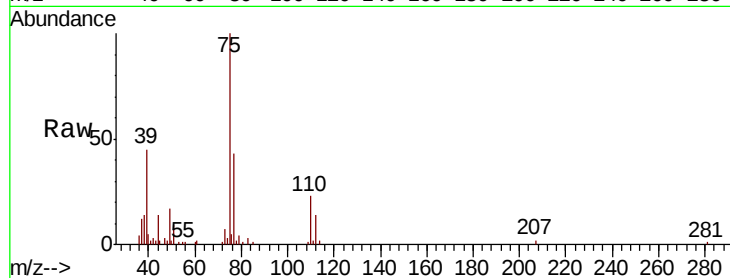
77 42.7 22.7 42.1#

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#40

4-Methyl-2-pentanone

Concen: 4.720 ug/L

RT: 7.85 min Scan# 2025

Delta R.T. 0.00 min

Lab File: VU035201.D

Acq: 17 Oct 2019 09:39

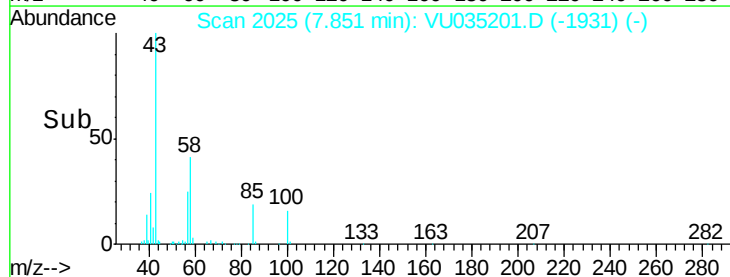
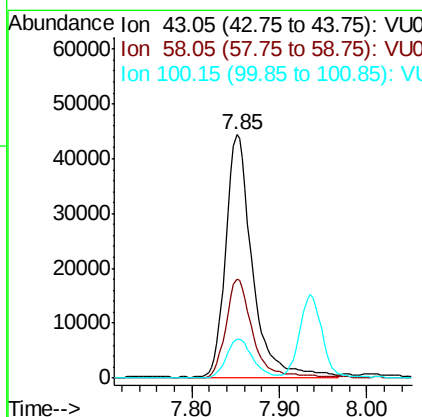
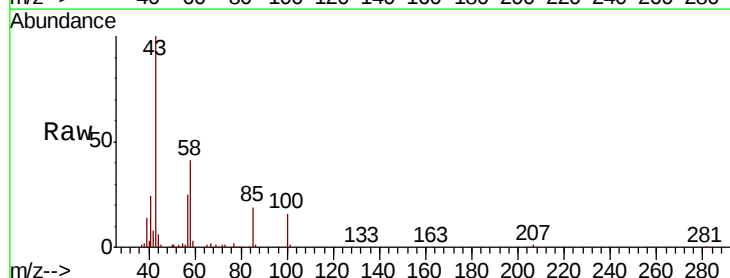
Tgt Ion: 43 Resp: 93161

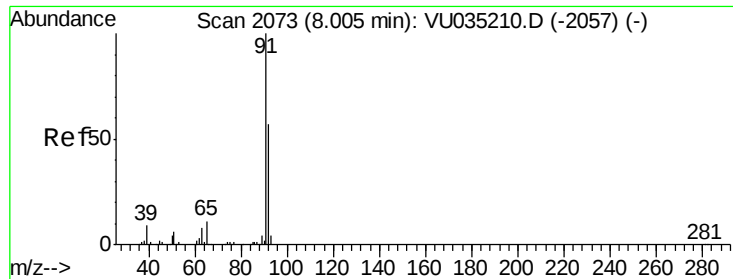
Ion Ratio Lower Upper

43 100

58 40.4 32.3 48.5

100 16.1 13.4 20.2





#42

Toluene

Concen: 0.509 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035201.D

Acq: 17 Oct 2019 09:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.506

Tot Ion: 91 Resp: 61793

Ion Ratio Lower Upper

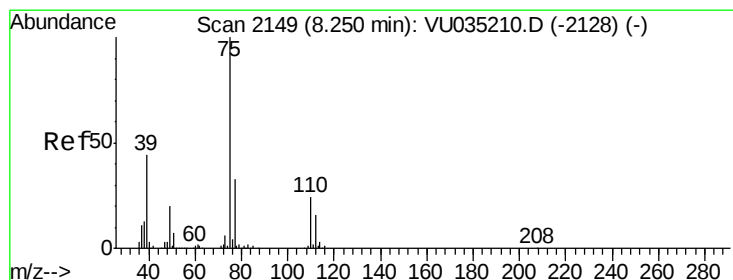
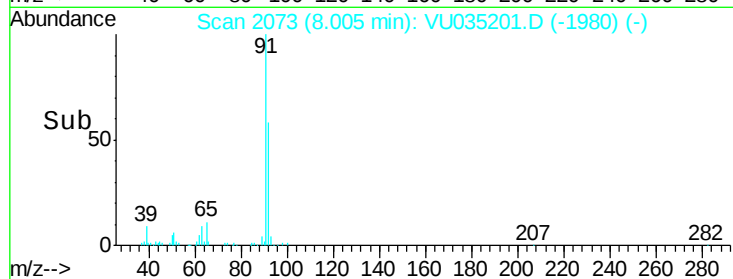
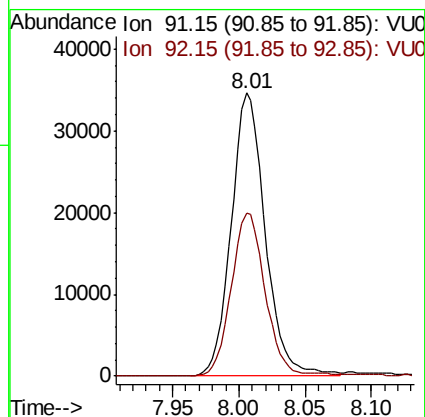
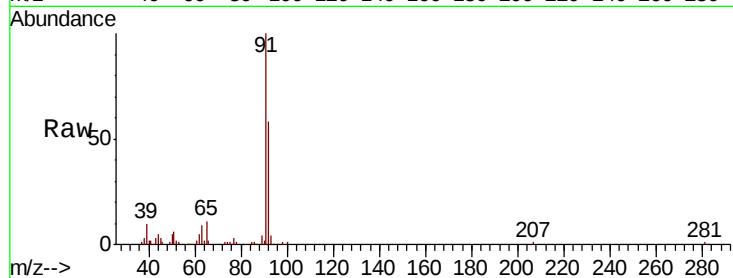
91 100

92 57.6 39.9 74.1

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#44

trans-1,3-Dichloropropene

Concen: 0.547 ug/L

RT: 8.25 min Scan# 2150

Delta R.T. 0.00 min

Lab File: VU035201.D

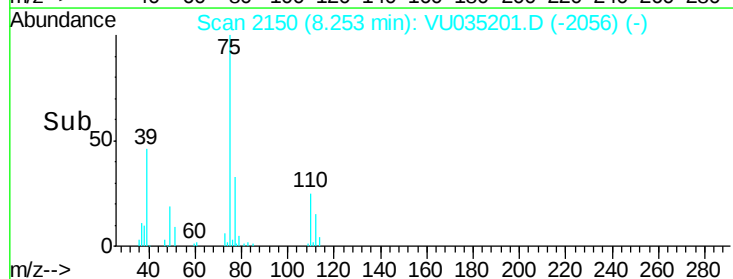
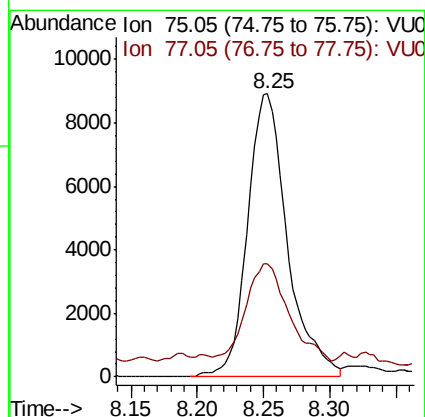
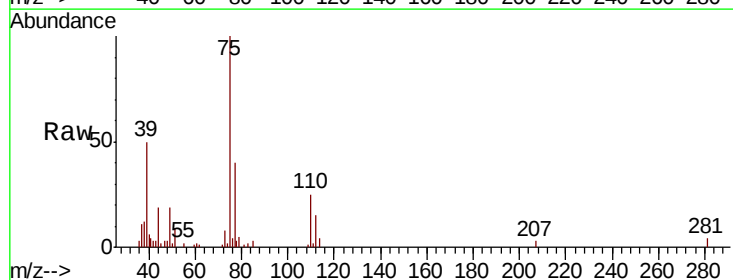
Acq: 17 Oct 2019 09:39

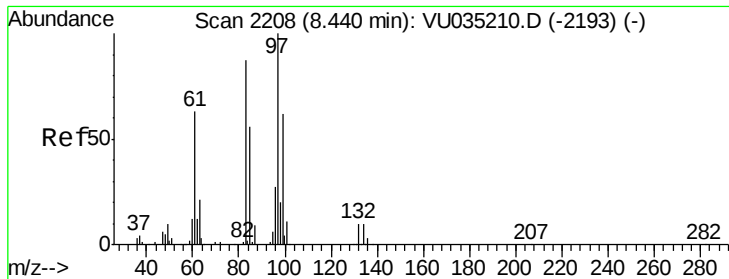
Tgt Ion: 75 Resp: 18625

Ion Ratio Lower Upper

75 100

77 39.8 23.0 42.8





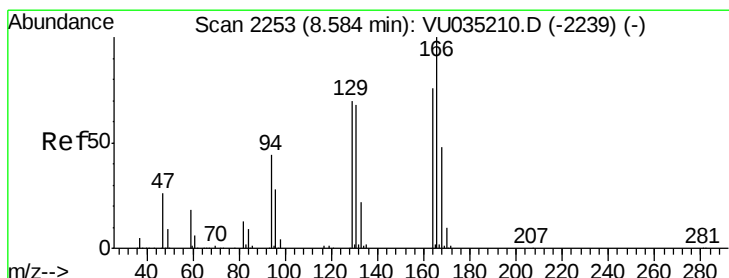
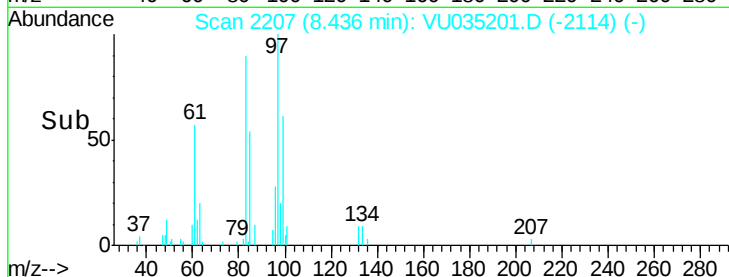
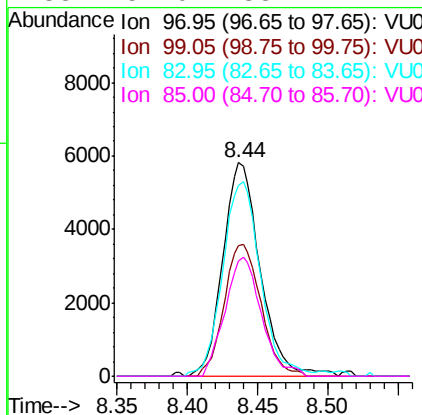
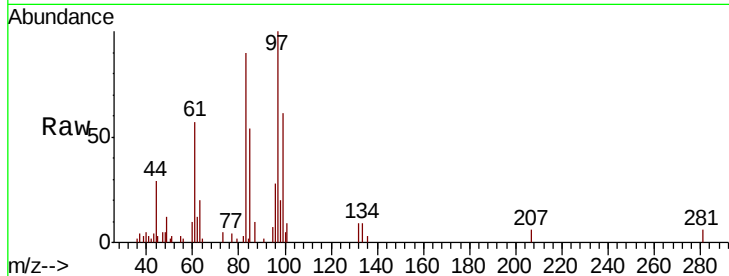
#45
 1,1,2-Trichloroethane
 Concen: 0.514 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: VU035201.D
 Acq: 17 Oct 2019 09:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

Tot Ion	97	Resp	10761
Ion	Ratio	Lower	Upper
97	100		
99	61.4	42.9	79.7
83	89.5	60.4	112.2
85	54.0	38.4	71.2

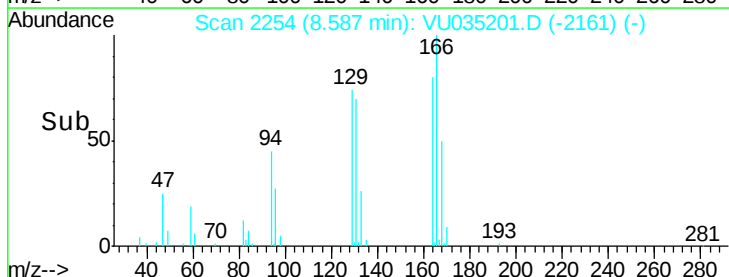
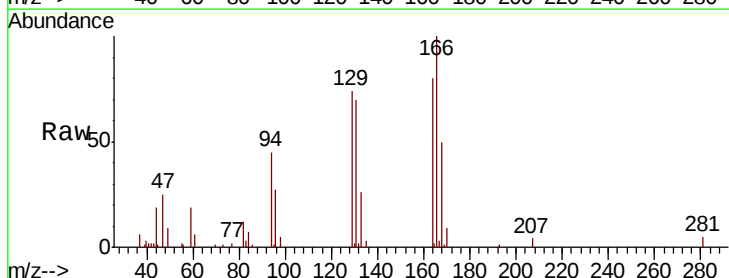
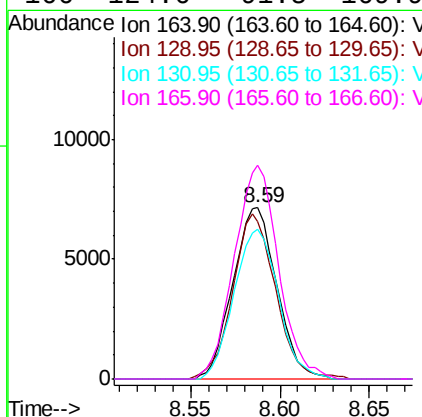
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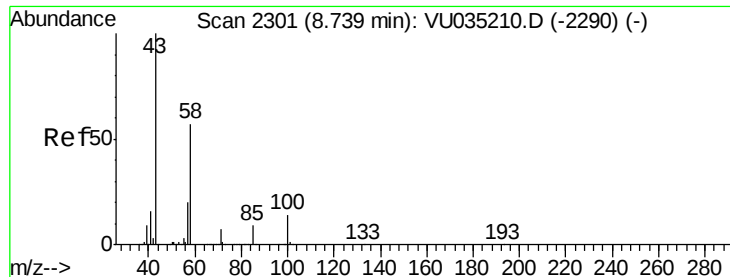
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#47
 Tetrachloroethene
 Concen: 0.501 ug/L
 RT: 8.59 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VU035201.D
 Acq: 17 Oct 2019 09:39

Tgt Ion	164	Resp	12262
Ion	Ratio	Lower	Upper
164	100		
129	91.9	65.2	121.0
131	87.2	62.9	116.9
166	124.6	91.5	169.9





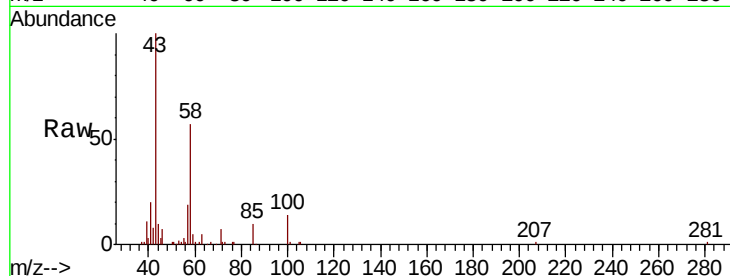
#48
2-Hexanone
Concen: 4.632 ug/L
RT: 8.74 min Scan# 2302
Delta R.T. 0.00 min
Lab File: VU035201.D
Acq: 17 Oct 2019 09:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.506

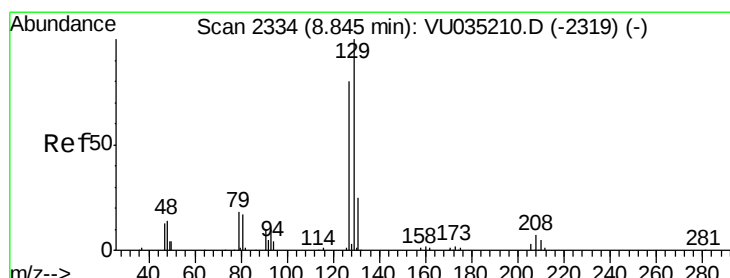
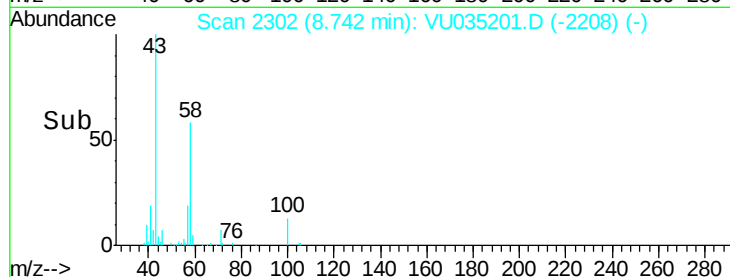
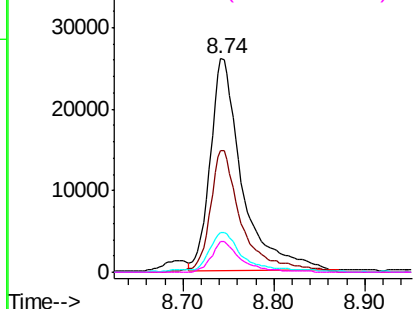
Tot Ion	Ion	Ratio	Lower	Upper
43	100			
58	57.6	45.1	67.7	
57	17.3	16.0	24.0	
100	13.2	10.4	15.6	

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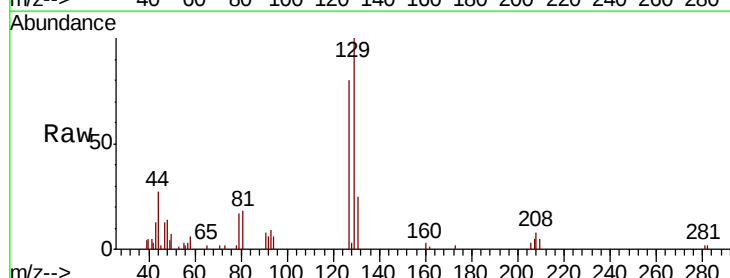


Abundance Ion 43.05 (42.75 to 43.75): VU035201.D (-2290) (-)
Ion 58.05 (57.75 to 58.75): VU035201.D (-2290) (-)
Ion 57.20 (56.90 to 57.90): VU035201.D (-2290) (-)
Ion 100.15 (99.85 to 100.85): VU035201.D (-2290) (-)

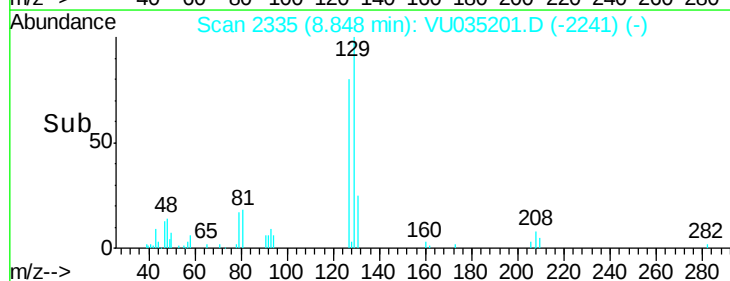
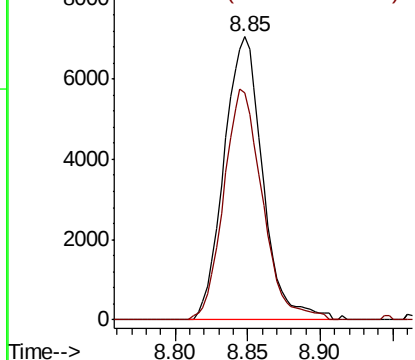


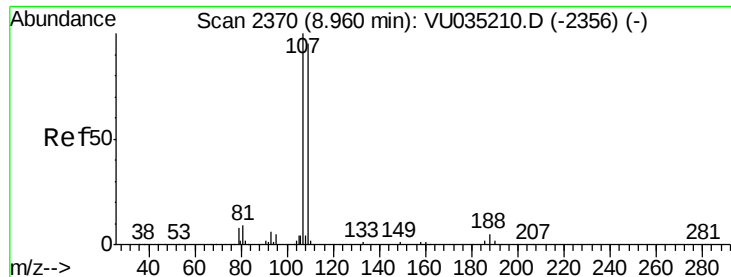
#49
Dibromochloromethane
Concen: 0.530 ug/L
RT: 8.85 min Scan# 2335
Delta R.T. 0.00 min
Lab File: VU035201.D
Acq: 17 Oct 2019 09:39

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	80.1	53.8	99.8	



Abundance Ion 128.95 (128.65 to 129.65): VU035201.D (-2319) (-)
Ion 126.90 (126.60 to 127.60): VU035201.D (-2319) (-)





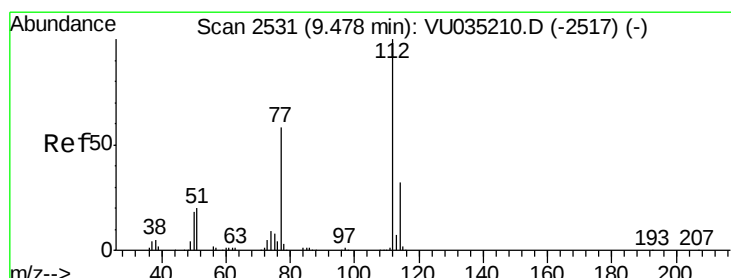
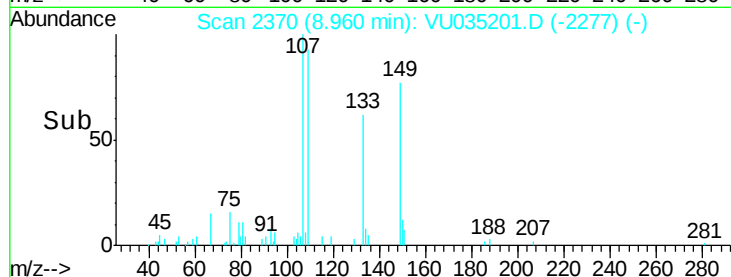
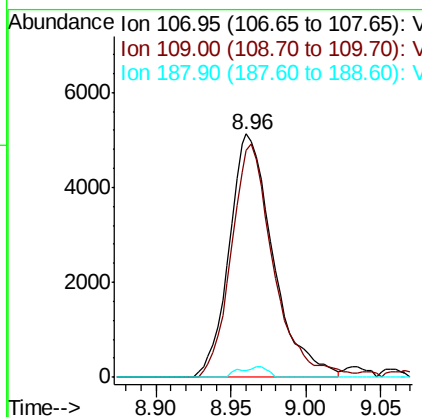
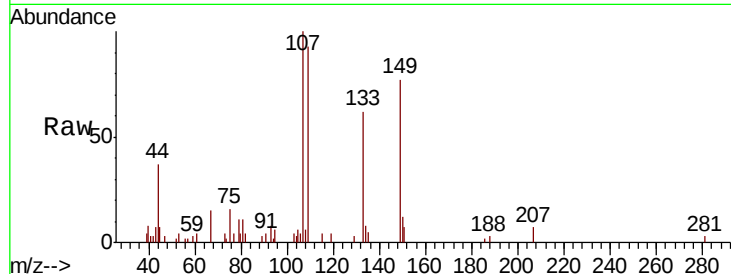
#50
1,2-Dibromoethane
Concen: 0.518 ug/L
RT: 8.96 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VU035201.D
Acq: 17 Oct 2019 09:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.506

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	66.1	122.8
188	2.8	3.2	4.8#

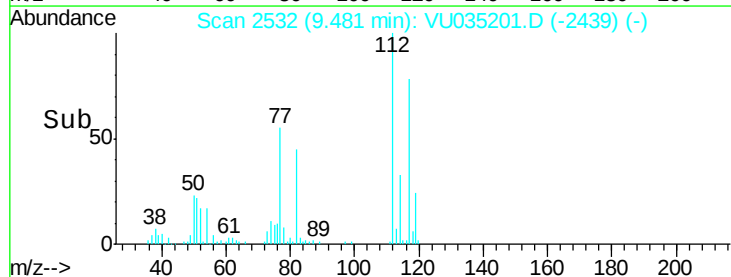
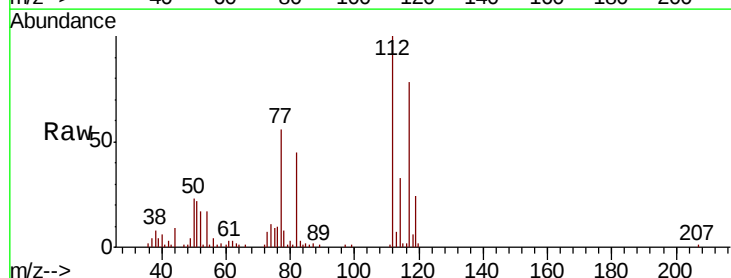
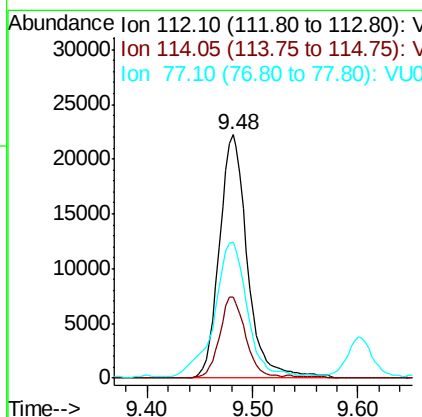
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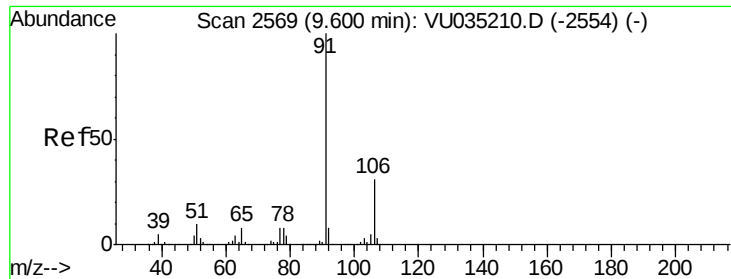
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#51
Chlorobenzene
Concen: 0.517 ug/L
RT: 9.48 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU035201.D
Acq: 17 Oct 2019 09:39

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.3	23.0	42.8
77	55.7	47.5	71.3





#52

Ethylbenzene

Concen: 0.524 ug/L

RT: 9.60 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU035201.D

Acq: 17 Oct 2019 09:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD0.506

Tot Ion: 91 Resp: 70895

Ion Ratio Lower Upper

91 100

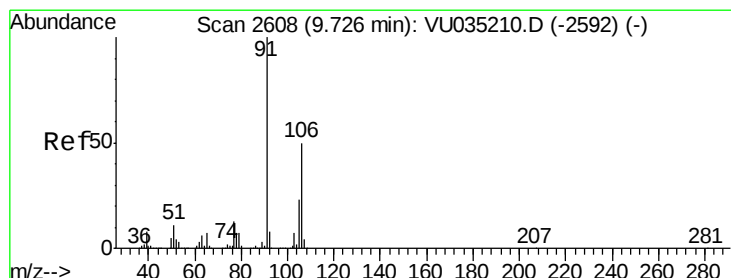
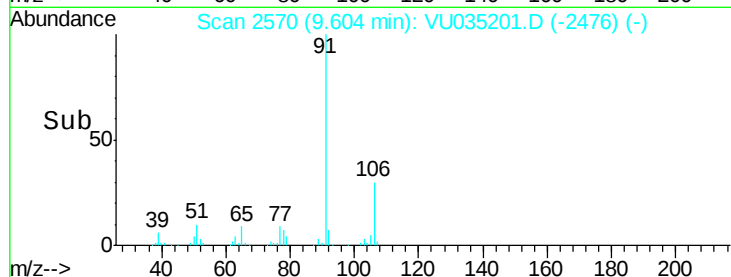
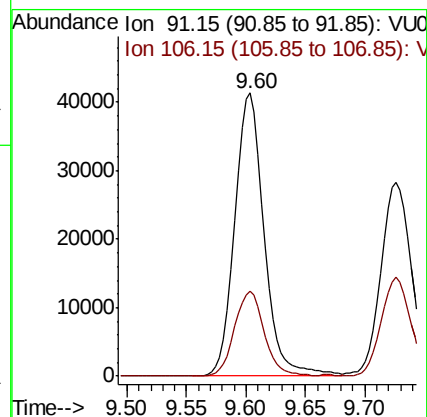
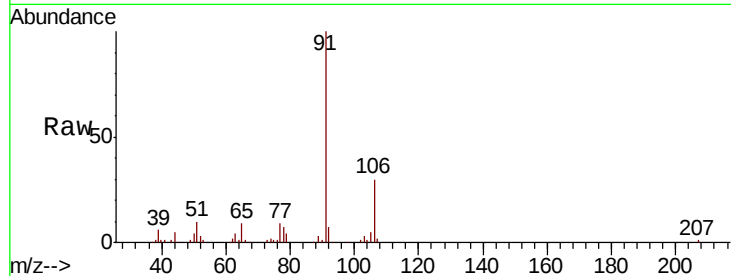
106 30.1 21.3 39.6

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#53

m,p-Xylene

Concen: 0.513 ug/L

RT: 9.73 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VU035201.D

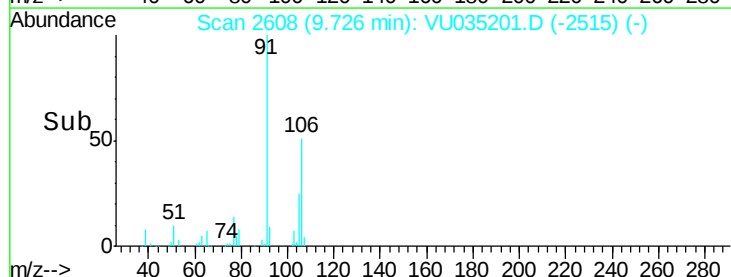
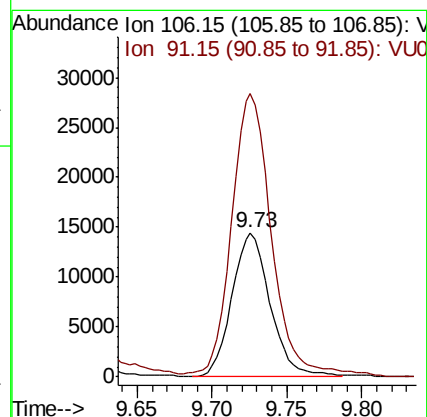
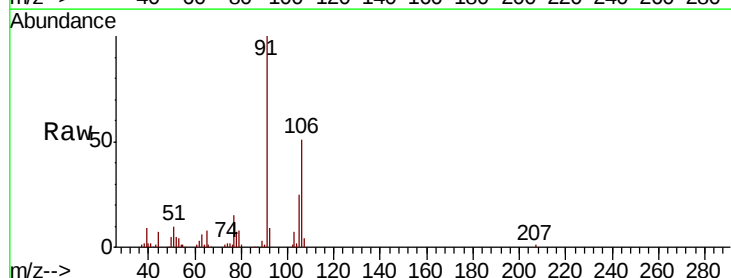
Acq: 17 Oct 2019 09:39

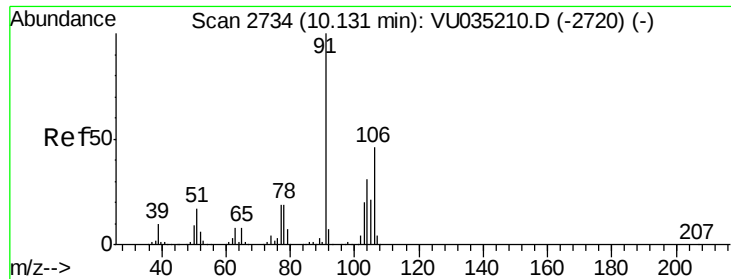
Tgt Ion: 106 Resp: 25734

Ion Ratio Lower Upper

106 100

91 196.5 142.0 263.6





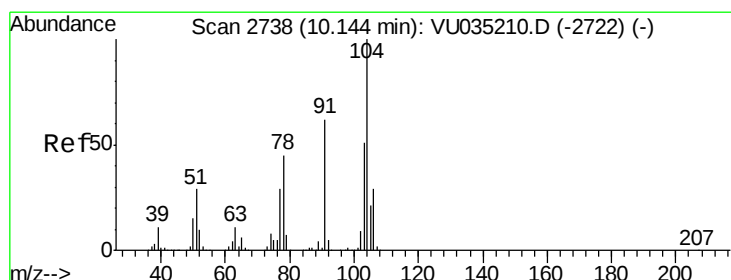
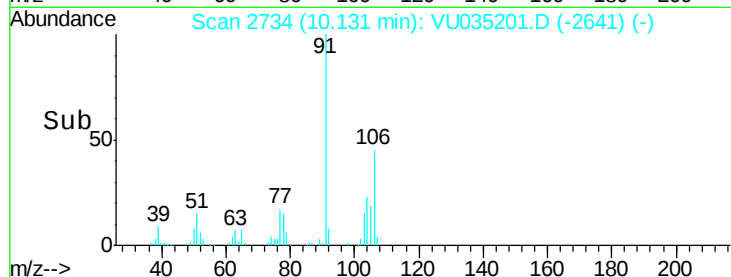
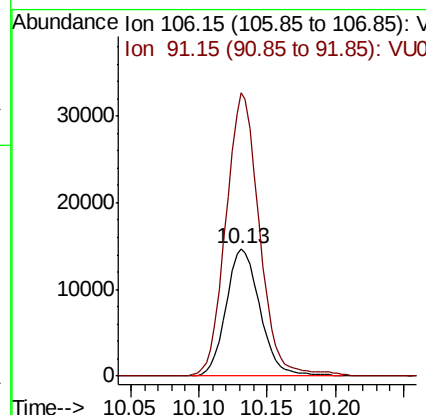
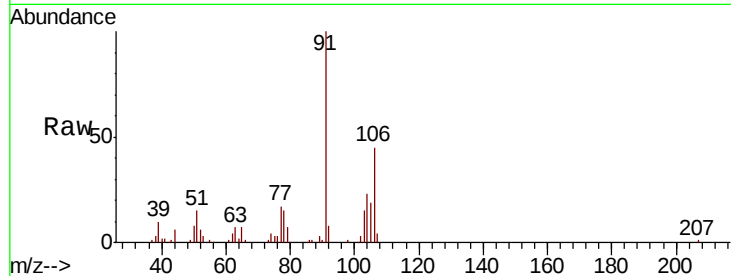
#54
o-Xylene
Concen: 0.520 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU035201.D
Acq: 17 Oct 2019 09:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.506

Tot Ion	Ratio	Lower	Upper
106	100		
91	221.9	153.2	284.6

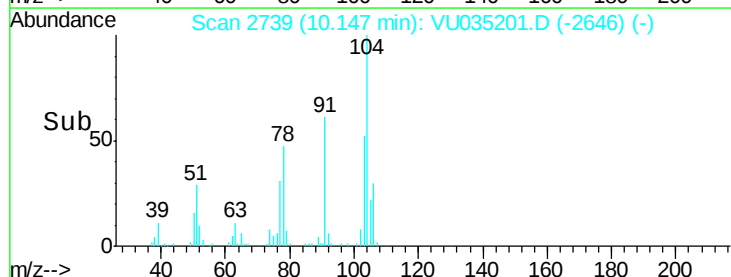
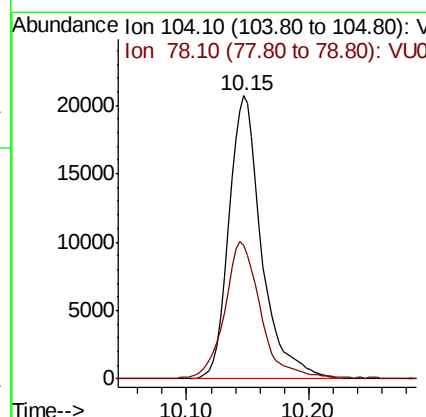
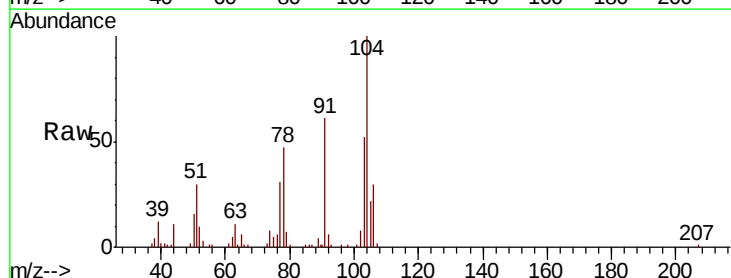
Manual Integrations
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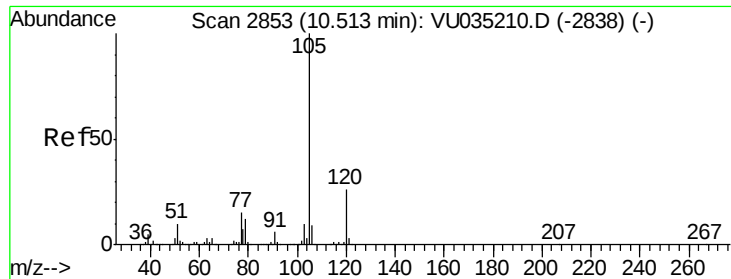
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#55
Styrene
Concen: 0.489 ug/L
RT: 10.15 min Scan# 2739
Delta R.T. 0.00 min
Lab File: VU035201.D
Acq: 17 Oct 2019 09:39

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.3	31.3	58.1





#56

Isopropylbenzene

Concen: 0.515 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VU035201.D

Acq: 17 Oct 2019 09:39

Instrument :

MSVOA_U

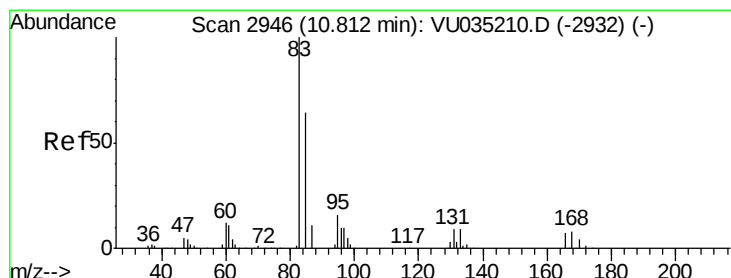
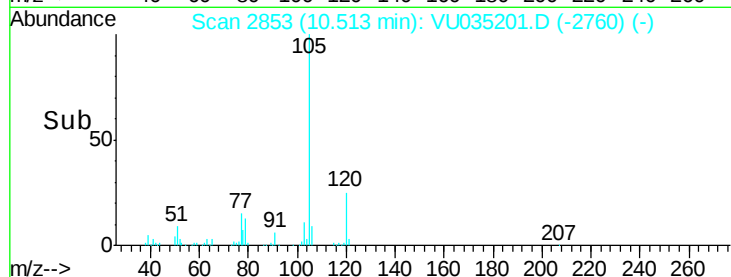
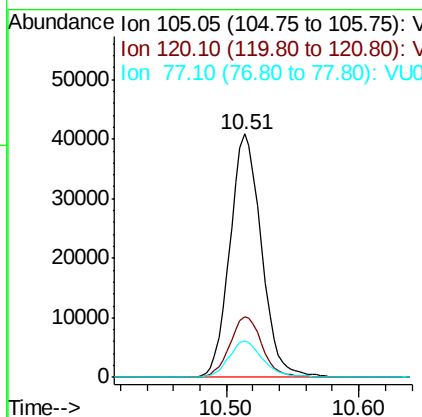
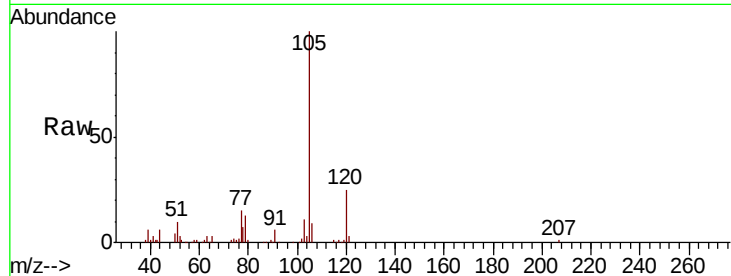
ClientSampled :

VSTD0.506

Tot Ion:	105	Resp:	67601
Ion Ratio	Lower	Upper	
105	100		
120	25.4	21.0	31.6
77	16.3	12.6	19.0

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#58

1,1,2,2-Tetrachloroethane

Concen: 0.488 ug/L

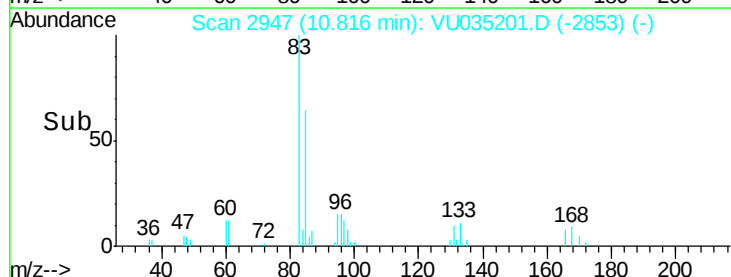
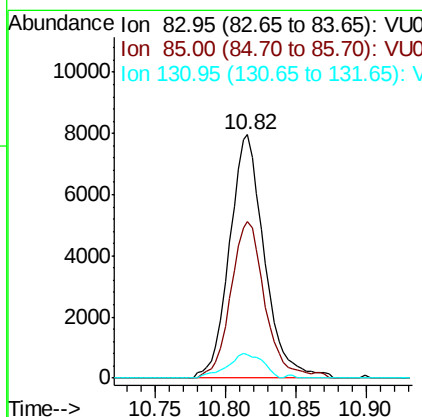
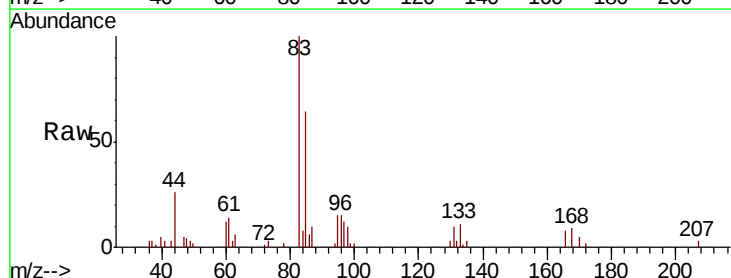
RT: 10.82 min Scan# 2947

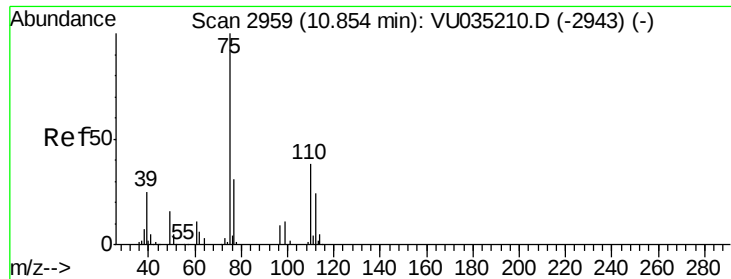
Delta R.T. 0.00 min

Lab File: VU035201.D

Acq: 17 Oct 2019 09:39

Tgt Ion:	83	Resp:	13757
Ion Ratio	Lower	Upper	
83	100		
85	64.3	46.8	86.8
131	9.7	7.5	11.3





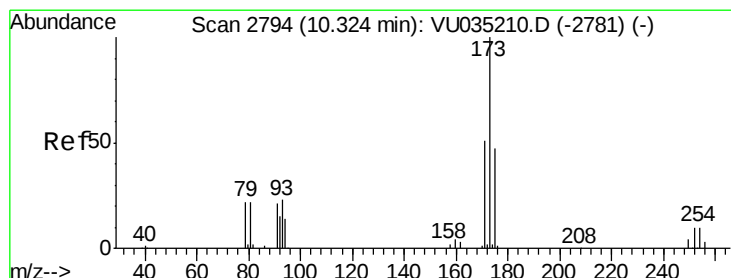
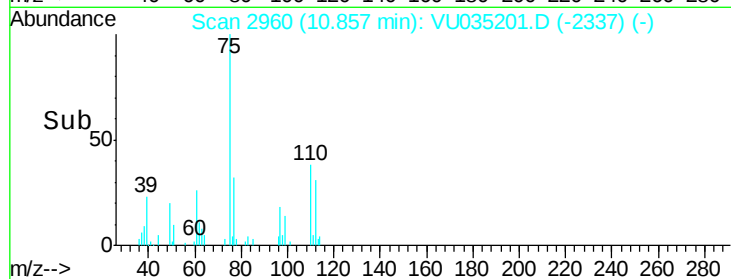
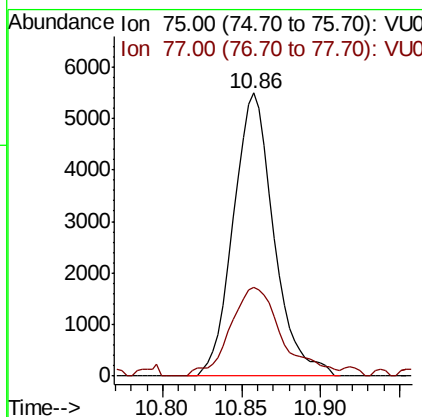
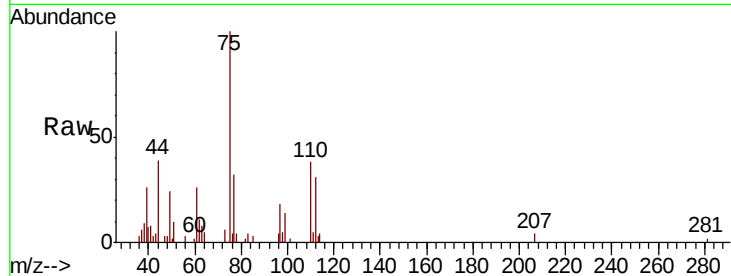
#59
 1,2,3-Trichloropropane
 Concen: 0.478 ug/L m
 RT: 10.86 min Scan# 2960
 Delta R.T. 0.00 min
 Lab File: VU035201.D
 Acq: 17 Oct 2019 09:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

Tot Ion: 75 Resp: 9726
 Ion Ratio Lower Upper
 75 100
 77 71.6 26.2 39.2#

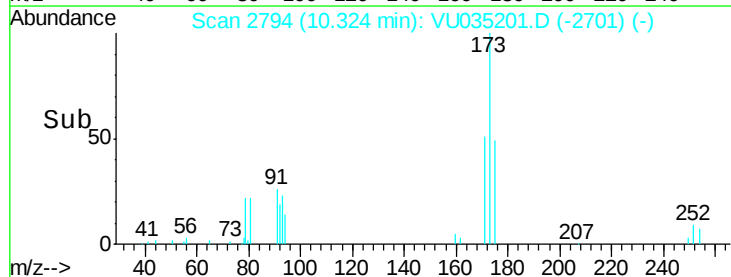
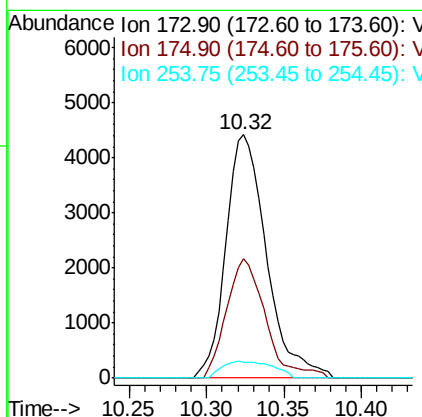
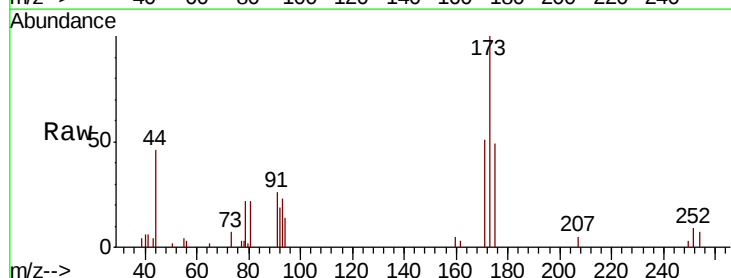
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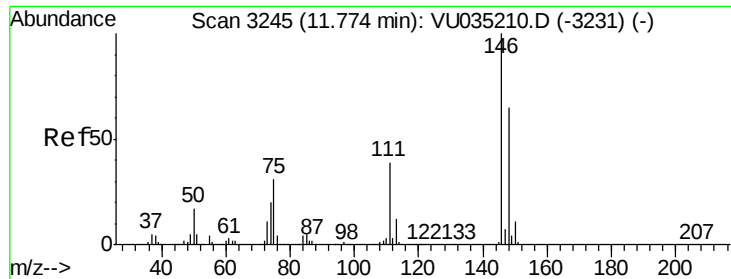
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#61
 Bromoform
 Concen: 0.699 ug/L
 RT: 10.32 min Scan# 2794
 Delta R.T. 0.00 min
 Lab File: VU035201.D
 Acq: 17 Oct 2019 09:39

Tgt Ion: 173 Resp: 8030
 Ion Ratio Lower Upper
 173 100
 175 47.0 38.8 58.2
 254 8.6 7.5 11.3





#62

1,3-Dichlorobenzene

Concen: 0.552 ug/L

RT: 11.78 min Scan# 3246

Delta R.T. 0.00 min

Lab File: VU035201.D

Acq: 17 Oct 2019 09:39

Instrument :

MSVOA_U

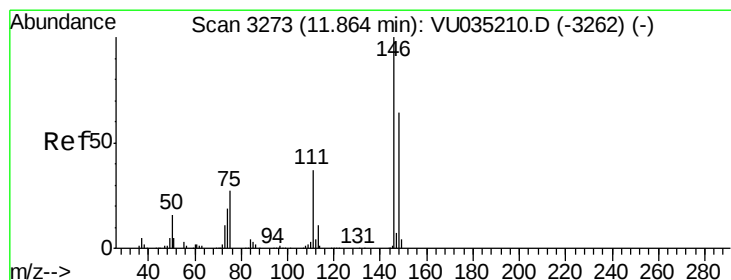
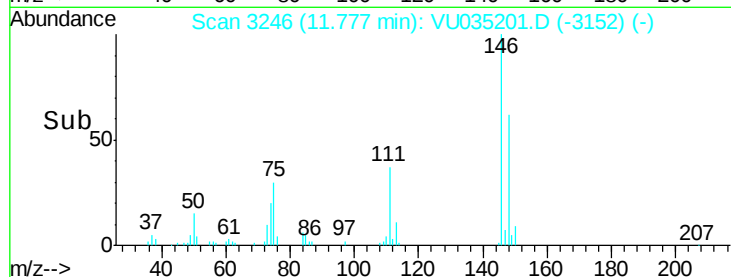
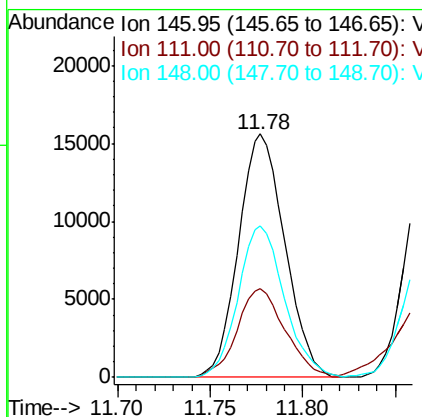
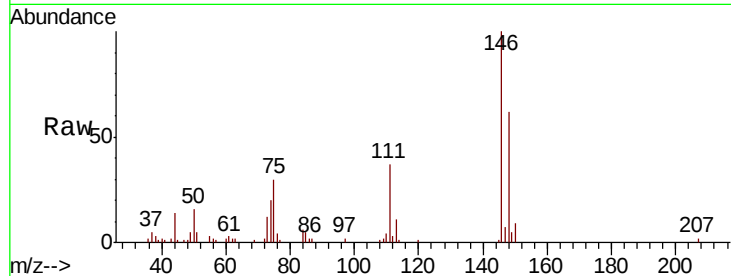
ClientSampleId :

VSTD0.506

Tot Ion:	146	Resp:	26958
Ion Ratio	Lower	Upper	
146	100		
111	36.6	27.8	51.6
148	62.0	45.6	84.8

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#63

1,4-Dichlorobenzene

Concen: 0.541 ug/L

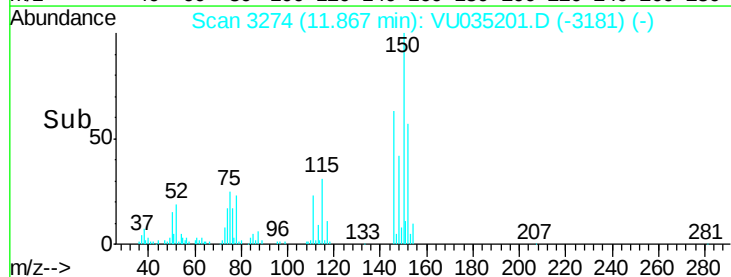
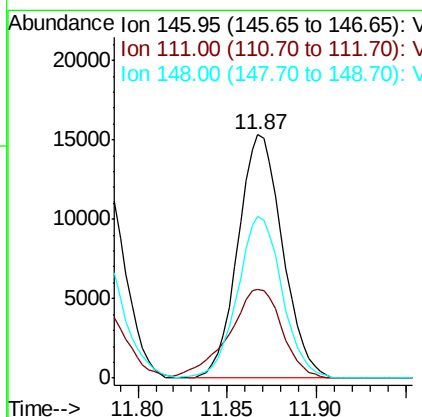
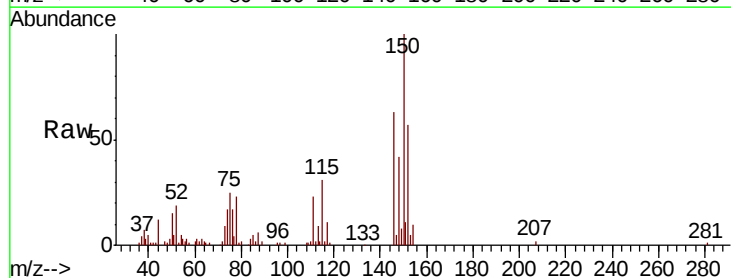
RT: 11.87 min Scan# 3274

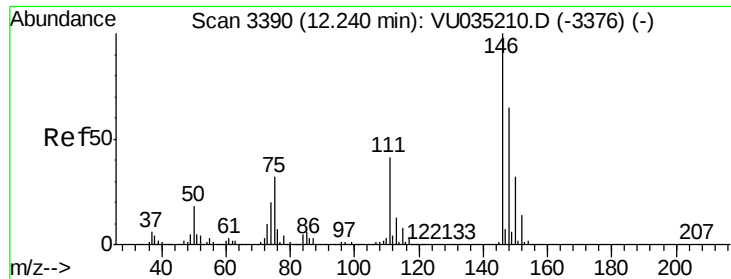
Delta R.T. 0.00 min

Lab File: VU035201.D

Acq: 17 Oct 2019 09:39

Tgt Ion:	146	Resp:	26618
Ion Ratio	Lower	Upper	
146	100		
111	36.7	26.4	49.0
148	66.3	44.7	83.1





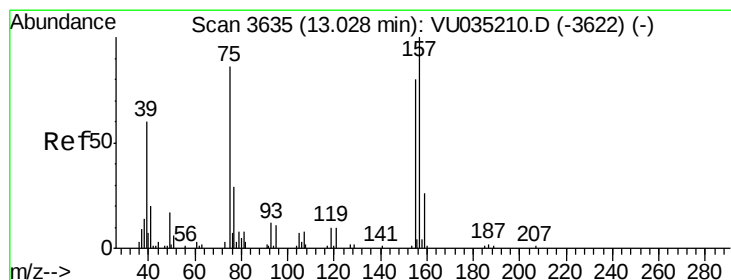
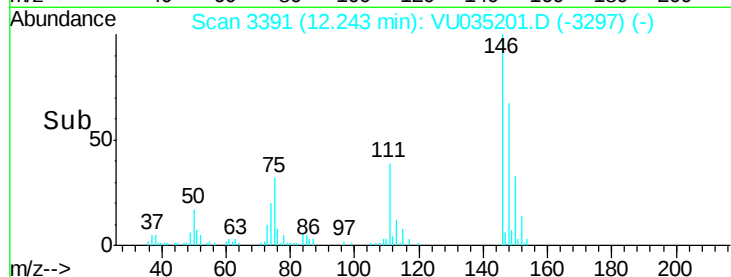
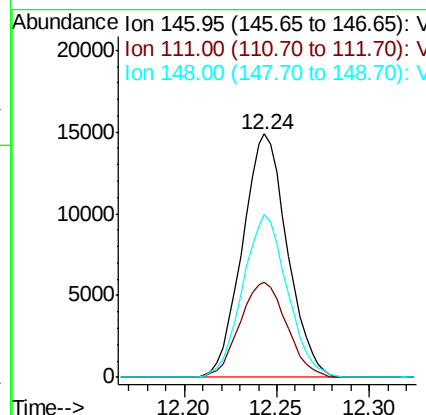
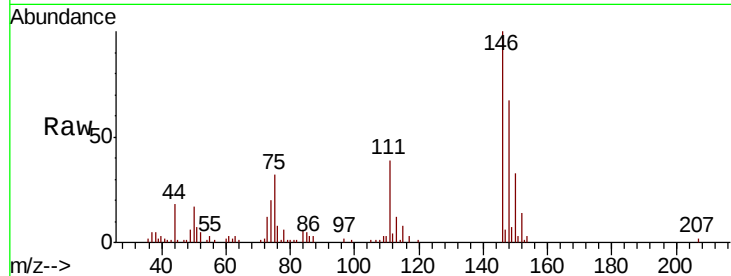
#65
 1,2-Dichlorobenzene
 Concen: 0.532 ug/L
 RT: 12.24 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VU035201.D
 Acq: 17 Oct 2019 09:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	33.0	49.6
148	66.8	51.0	76.4

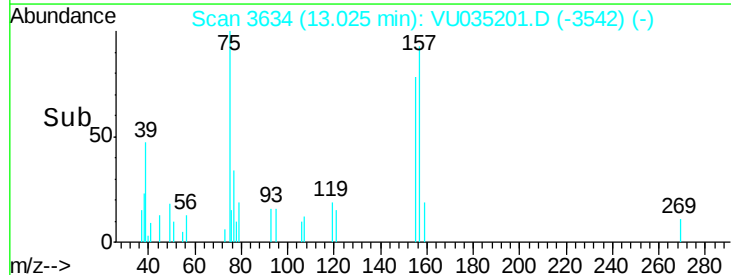
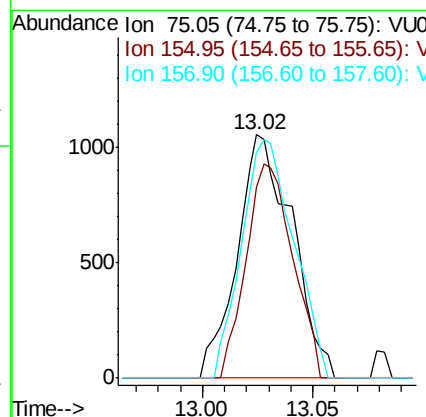
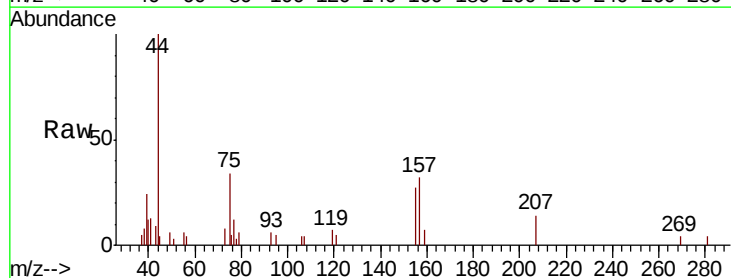
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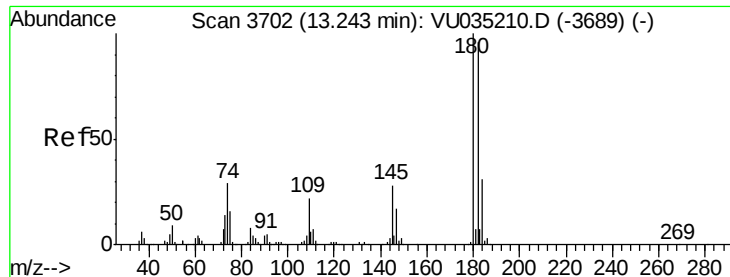
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.609 ug/L
 RT: 13.02 min Scan# 3634
 Delta R.T. -0.00 min
 Lab File: VU035201.D
 Acq: 17 Oct 2019 09:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.3	70.0	105.0
157	92.9	94.7	142.1#





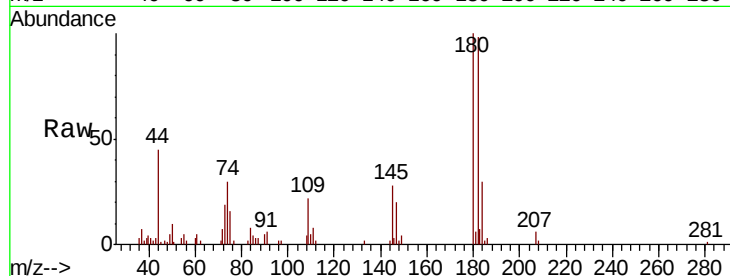
#67
 1,3,5-Trichlorobenzene
 Concen: 0.359 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. 0.00 min
 Lab File: VU035201.D
 Acq: 17 Oct 2019 09:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.506

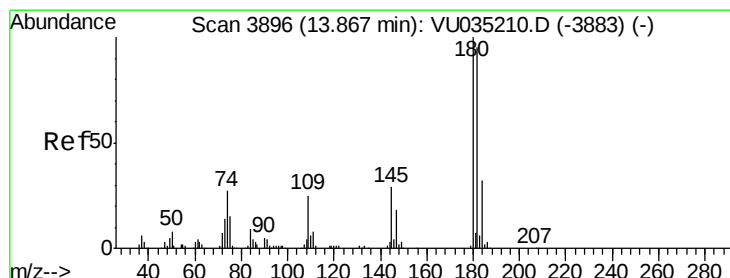
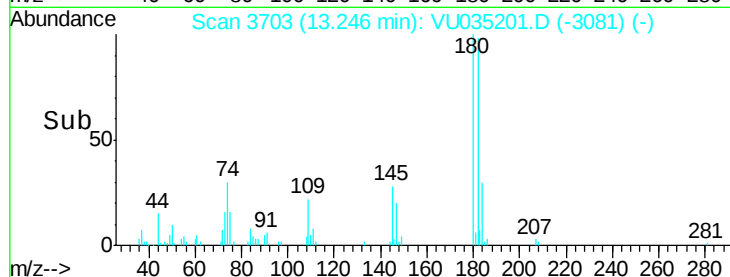
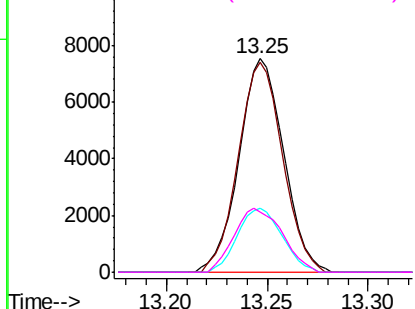
Tot Ion:	180	Resp:	11679
Ion	Ratio	Lower	Upper
180	100		
182	97.7	77.4	116.2
184	29.9	23.9	35.9
145	32.2	22.4	33.6

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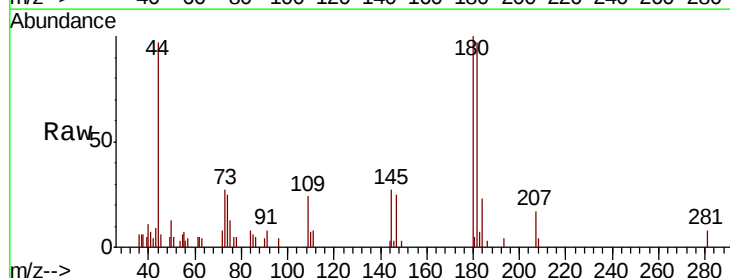


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

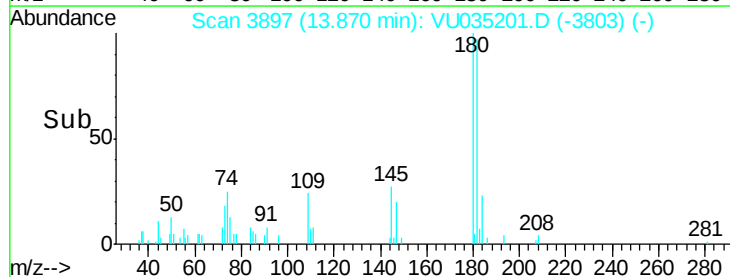
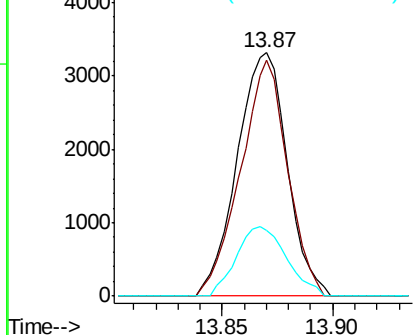


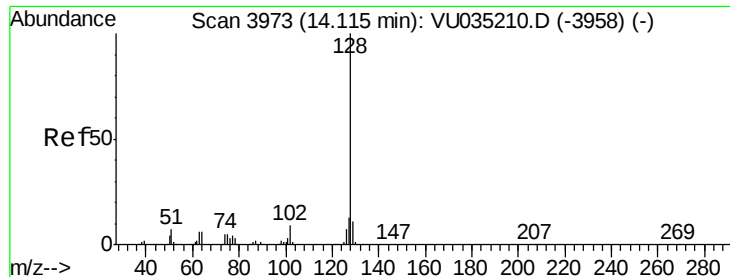
#68
 1,2,4-trichlorobenzene
 Concen: 0.222 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. 0.00 min
 Lab File: VU035201.D
 Acq: 17 Oct 2019 09:39

Tgt Ion:	180	Resp:	5223
Ion	Ratio	Lower	Upper
180	100		
182	90.9	75.9	113.9
145	28.5	23.4	35.2



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.202 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. 0.00 min

Lab File: VU035201.D

Acq: 17 Oct 2019 09:39

Instrument :

MSVOA_U

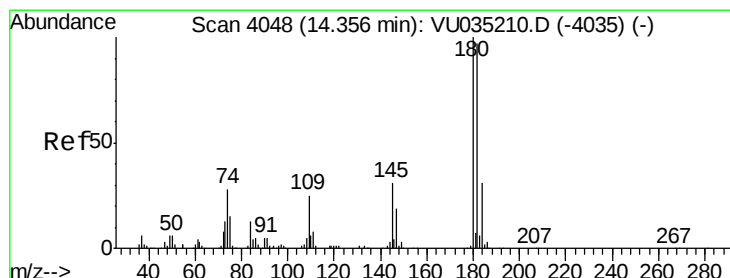
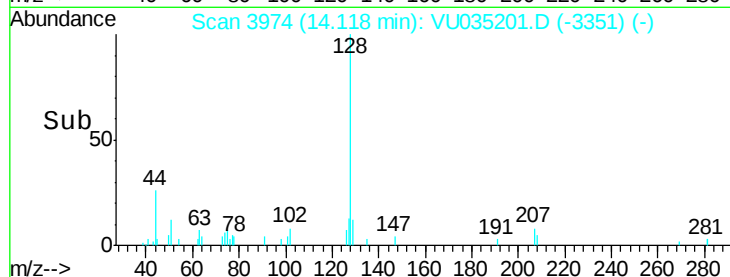
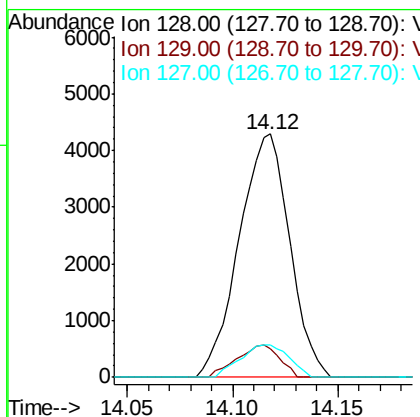
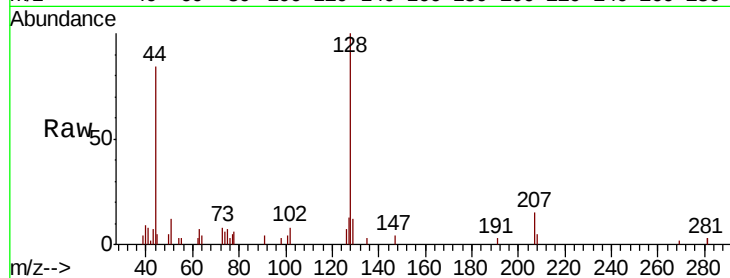
ClientSampleId :

VSTD0.506

Tot Ion:	128	Resp:	7137
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	13.0
127	12.9	10.7	16.1

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#70

1,2,3-Trichlorobenzene

Concen: 0.230 ug/L

RT: 14.36 min Scan# 4048

Delta R.T. 0.00 min

Lab File: VU035201.D

Acq: 17 Oct 2019 09:39

Tgt Ion:	180	Resp:	5241
Ion	Ratio	Lower	Upper
180	100		
182	86.0	76.0	114.0
145	29.7	24.6	37.0

