

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102320\
 Data File : VU040932.D
 Acq On : 23 Oct 2020 13:01
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda

10/26/2020 4:24:25 PM

Quant Time: Oct 24 06:50:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U102220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Oct 23 07:07:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	6.12	96	60642	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.63	95	23623	1.07	ug/l	0.00
Spiked Amount 1.000			Recovery	=	107.00%	
68) 1,2-Dichlorobenzene-d4	12.19	152	24185	1.05	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.39	85	269459	9.527	ug/l	100
3) Chloromethane	1.53	50	276716	9.387	ug/l	98
4) Vinyl Chloride	1.61	62	266284	9.700	ug/l	99
5) Bromomethane	1.87	94	147007	9.112	ug/l	99
6) Chloroethane	1.94	64	152586	9.095	ug/l	99
7) Trichlorofluoromethane	2.15	101	334591	9.647	ug/l	100
8) 1,1,2-Trichloro-1,2,2-trif	2.59	101	187851	9.742	ug/l	99
9) 1,1-Dichloroethene	2.59	96	165623	9.862	ug/l	99
10) Iodomethane	2.74	142	214092	10.438	ug/l	99
11) Allyl Chloride	2.94	41	338616	9.793	ug/l	99
12) Acrylonitrile	3.34	53	114178	19.285	ug/l	96
13) Acetone	2.66	43	291094	58.742	ug/l	99
14) Carbon Disulfide	2.81	76	616678	9.772	ug/l	100
15) Methylene Chloride	3.06	84	231273	10.602	ug/l	99
16) trans-1,2-Dichloroethene	3.37	96	184581	9.711	ug/l	97
17) 1,1-Dichloroethane	3.89	63	372523	9.582	ug/l	100
18) 2-Butanone	4.75	43	430063	53.650	ug/l	100
19) Cyclohexane	5.40	56	348245m	9.518	ug/l	
20) Methylcyclohexane	6.77	83	294903	10.774	ug/l	96
21) 2,2-Dichloropropane	4.68	77	324422	9.883	ug/l	100
22) cis-1,2-Dichloroethene	4.69	96	192301	9.482	ug/l	98
23) Diethyl Ether	2.39	59	159970	9.647	ug/l	99
24) tert-Butyl Alcohol	3.27	59	151990m	82.165	ug/l	
25) Methyl tert-Butyl Ether	3.38	73	500715	9.612	ug/l	97
26) Bromochloromethane	4.99	128	86032	9.760	ug/l	97
27) Chloroform	5.11	83	357549	9.623	ug/l	100
28) 1,1,1-Trichloroethane	5.33	97	307965	9.614	ug/l	98
29) 1,1-Dichloropropene	5.54	75	271883	9.687	ug/l	98
30) Carbon Tetrachloride	5.54	117	280505	9.675	ug/l	98
31) Isopropyl Ether	4.02	45	584478	9.722	ug/l	100
32) Ethyl-t-butyl ether	4.53	59	510418	9.640	ug/l	98
33) Tert-Amyl methyl ether	5.96	73	409362	10.381	ug/l	99
34) Propionitrile	4.83	54	109657	49.823	ug/l #	92
35) Benzene	5.79	78	770906	9.909	ug/l	100
36) 1,2-Dichloroethane	5.81	62	281011	9.744	ug/l	98
37) Trichloroethene	6.55	130	180289	9.803	ug/l	98
38) 1,2-Dichloropropane	6.81	63	221703	10.044	ug/l	95
39) Methacrylonitrile	5.00	41	97286	9.429	ug/l	99
40) Methyl acrylate	4.87	55	142456	10.069	ug/l	97
41) Tetrahydrofuran	5.09	42	98791	18.613	ug/l	97
42) 1-Chlorobutane	5.47	56	420112	9.901	ug/l	99

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Manual Integrations
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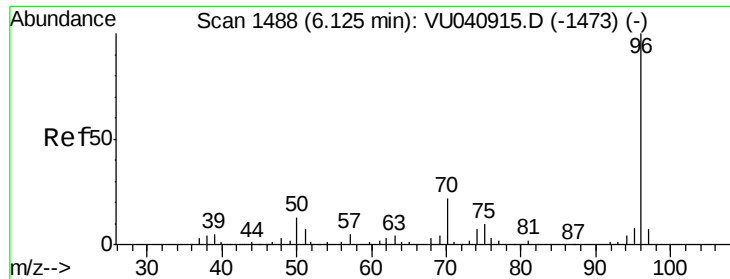
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Quant Time: Oct 24 06:50:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U102220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.93	93	120397	9.733	ug/l	98
44) Bromodichloromethane	7.12	83	285861	9.953	ug/l	98
45) 4-Methyl-2-Pentanone	7.81	43	896547	55.206	ug/l	100
46) t-1,4-Dichloro-2-butene	10.83	75	115954m	18.056	ug/l	
47) Methyl methacrylate	6.98	69	225464	21.831	ug/l	99
48) Ethyl methacrylate	8.34	69	188286	10.837	ug/l	99
49) Toluene	7.98	92	460017	10.752	ug/l	97
50) t-1,3-Dichloropropene	8.22	75	261002	10.515	ug/l	96
51) cis-1,3-Dichloropropene	7.62	75	279650	10.280	ug/l	99
52) 1,1,2-Trichloroethane	8.41	97	155523	9.944	ug/l	99
53) 1,3-Dichloropropane	8.58	76	283724	10.105	ug/l	98
54) 2-Hexanone	8.70	43	664103	58.532	ug/l	99
55) Dibromochloromethane	8.82	129	183402	9.780	ug/l	98
56) 1,2-Dibromoethane	8.93	107	145856	10.058	ug/l	100
58) Tetrachloroethene	8.56	164	172043	10.007	ug/l	97
59) Chlorobenzene	9.45	112	471608	10.412	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.54	131	180458	10.140	ug/l	98
61) Pentachloroethane	11.42	117	141035	9.811	ug/l	98
62) Hexachloroethane	12.47	117	153951	10.523	ug/l	99
63) Ethyl Benzene	9.57	91	848167	11.306	ug/l	99
64) m/p-Xylenes	9.69	106	687142	20.671	ug/l	98
65) o-Xylene	10.10	106	305700	11.604	ug/l	100
66) Styrene	10.11	104	569099	10.358	ug/l	99
67) Bromoform	10.29	173	102079	10.057	ug/l	99
69) Isopropylbenzene	10.48	105	804385	11.449	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.78	83	215024	10.105	ug/l	100
71) 1,2,3-Trichloropropane	10.83	75	160406m	9.888	ug/l	
72) Bromobenzene	10.78	156	194681	10.628	ug/l	97
73) n-propylbenzene	10.90	120	239221	10.254	ug/l	97
74) 2-Chlorotoluene	10.98	126	203088	11.140	ug/l	99
75) 1,3,5-Trimethylbenzene	11.09	105	758094	10.357	ug/l	99
76) 4-Chlorotoluene	11.10	126	221290	11.712	ug/l	99
77) tert-Butylbenzene	11.42	119	672360	11.322	ug/l	99
78) 1,2,4-Trimethylbenzene	11.46	105	788849	10.392	ug/l	99
79) sec-Butylbenzene	11.64	105	969327	11.757	ug/l	99
80) Nitrobenzene	13.20	77	56310	55.948	ug/l	100
81) p-Isopropyltoluene	11.79	119	837051	10.438	ug/l	99
82) 1,3-Dichlorobenzene	11.74	146	422173	10.566	ug/l	99
83) 1,4-Dichlorobenzene	11.83	146	427635	10.583	ug/l	99
84) n-Butylbenzene	12.20	91	847264	12.277	ug/l	99
85) 1,2-Dichlorobenzene	12.20	146	413042	10.806	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.99	75	39562	9.958	ug/l	98
87) 1,2,4-Trichlorobenzene	13.83	180	241386	10.775	ug/l	99
88) Hexachlorobutadiene	14.01	225	136252	10.833	ug/l	99
89) Naphthalene	14.08	128	517718	9.229	ug/l	100
90) 1,2,3-Trichlorobenzene	14.32	180	253660	11.637	ug/l	99

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.12 min Scan# 1488

Delta R.T. -0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

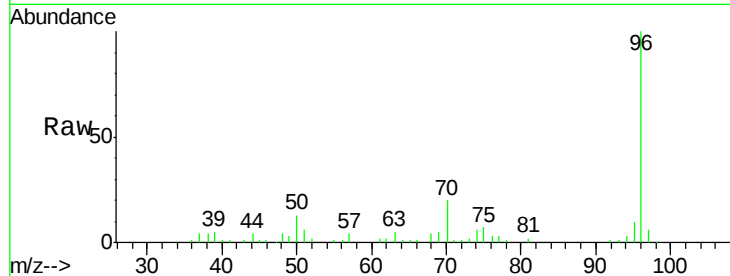
VSTDCCC010EC

Tot Ion:	96	Resp:	60642
Ion	Ratio	Lower	Upper
96	100		
70	22.6	16.3	24.5
95	9.8	7.3	10.9
97	0.0	0.0	0.0

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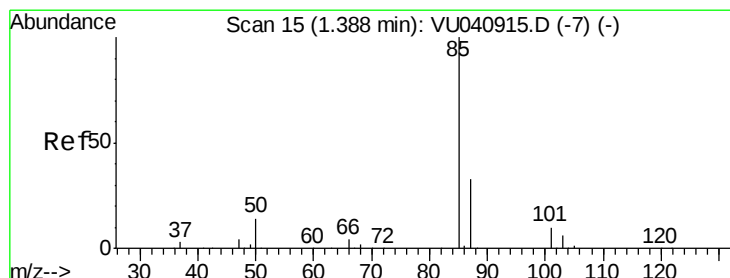
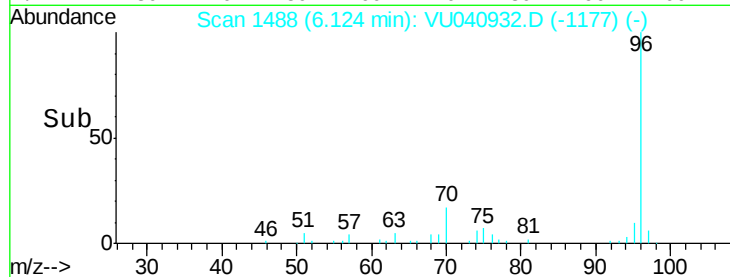
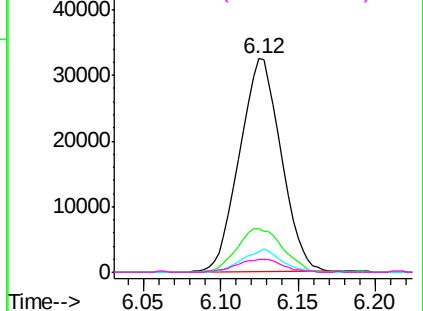


Abundance Ion 96.00 (95.70 to 96.70): VU040932.D (-1177) (-)

Ion 70.00 (69.70 to 70.70): VU040932.D (-1177) (-)

Ion 95.00 (94.70 to 95.70): VU040932.D (-1177) (-)

Ion 97.00 (96.70 to 97.70): VU040932.D (-1177) (-)



#2

Dichlorodifluoromethane

Concen: 9.527 ug/l

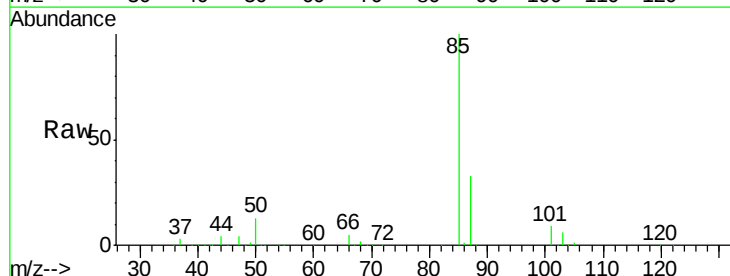
RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040932.D

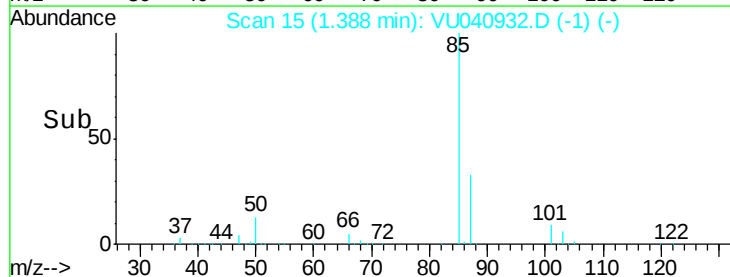
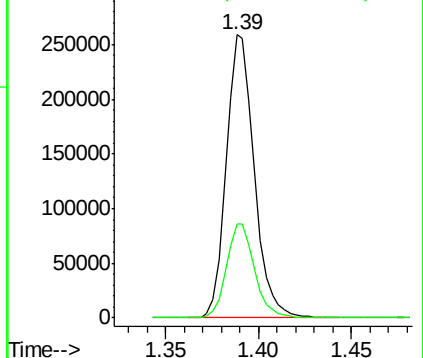
Acq: 23 Oct 2020 13:01

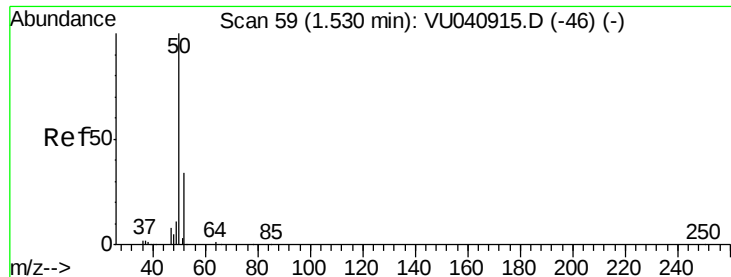
Tgt Ion:	85	Resp:	269459
Ion	Ratio	Lower	Upper
85	100		
87	33.1	16.5	49.5



Abundance Ion 85.00 (84.70 to 85.70): VU040932.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU040932.D (-1) (-)





#3

Chloromethane

Concen: 9.387 ug/l

RT: 1.53 min Scan# 59

Delta R.T. -0.00 min

Lab File: VU040932.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 50 Resp: 276716

Ion Ratio Lower Upper

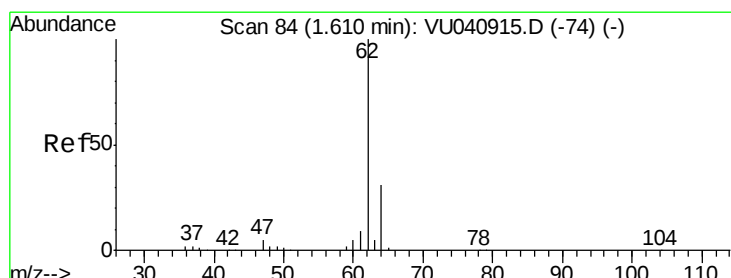
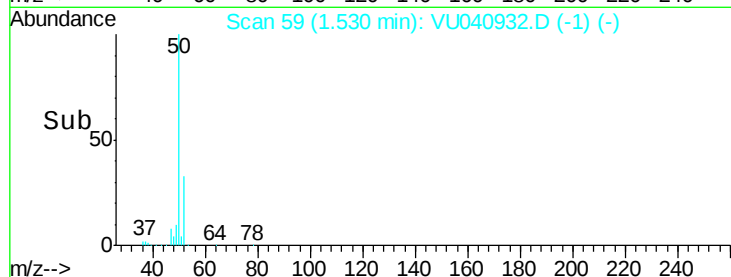
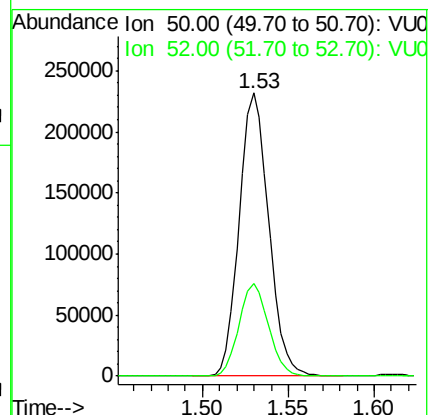
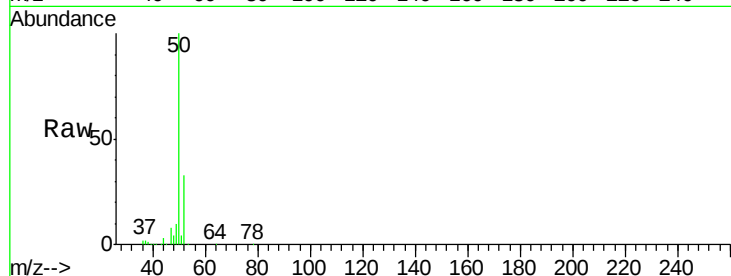
50 100

52 32.7 26.9 40.3

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#4

Vinyl Chloride

Concen: 9.700 ug/l

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040932.D

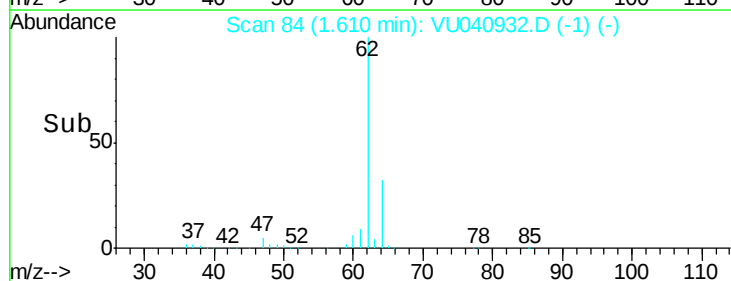
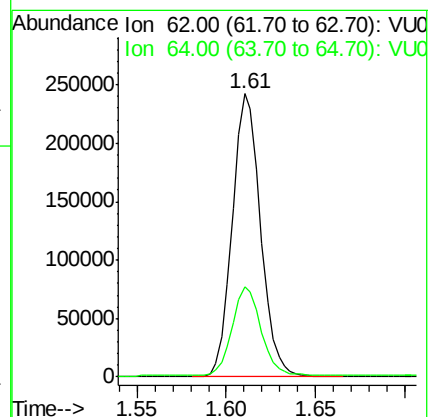
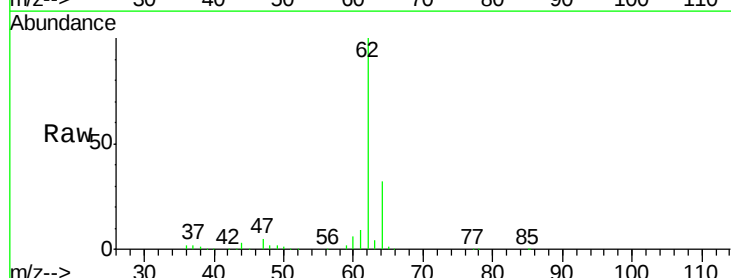
Acq: 23 Oct 2020 13:01

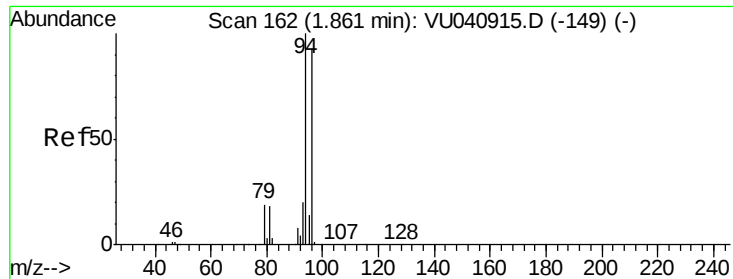
Tgt Ion: 62 Resp: 266284

Ion Ratio Lower Upper

62 100

64 31.2 24.7 37.1





#5

Bromomethane

Concen: 9.112 ug/l

RT: 1.87 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU040932.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 94 Resp: 147007

Ion Ratio Lower Upper

94 100

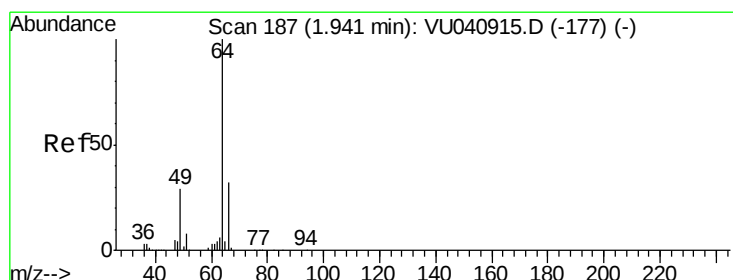
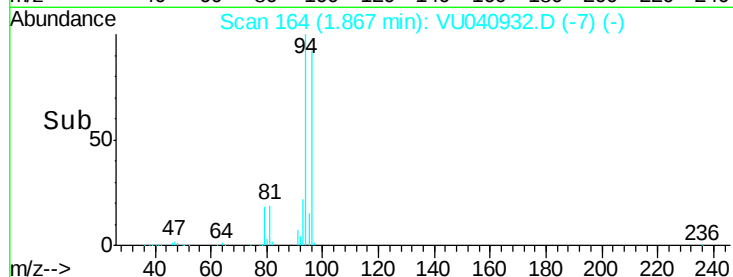
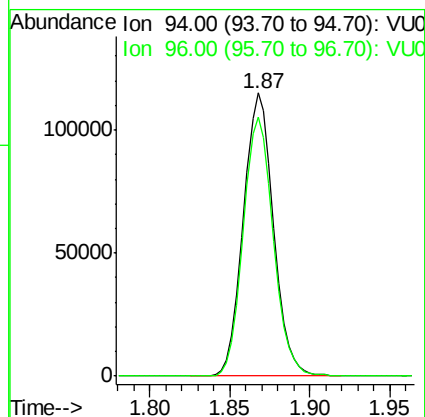
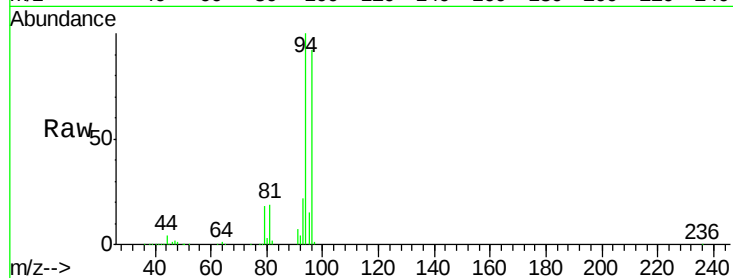
96 91.6 74.4 111.6

Manual Integrations

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#6

Chloroethane

Concen: 9.095 ug/l

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040932.D

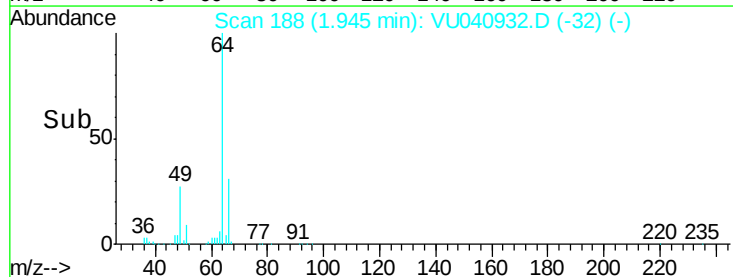
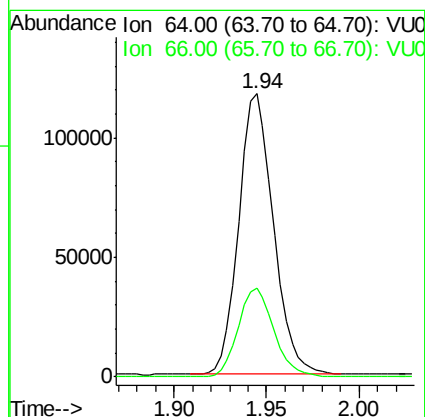
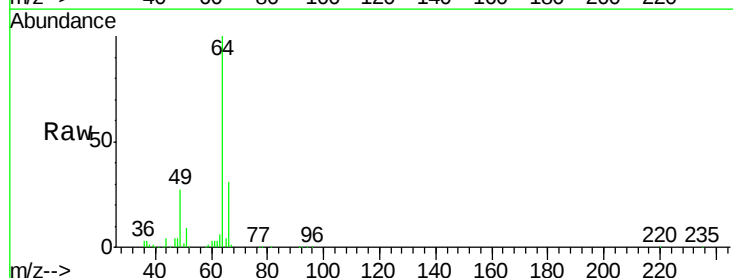
Acq: 23 Oct 2020 13:01

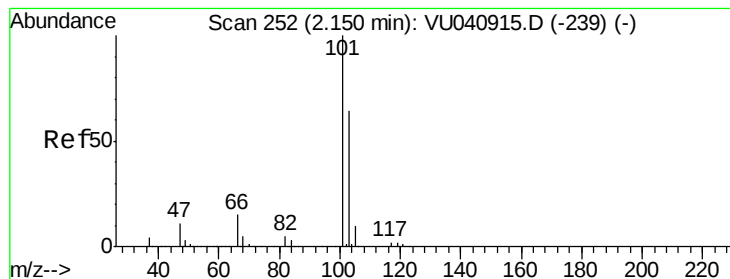
Tgt Ion: 64 Resp: 152586

Ion Ratio Lower Upper

64 100

66 31.5 25.4 38.2





#7

Trichlorofluoromethane
Concen: 9.647 ug/l
RT: 2.15 min Scan# 252
Delta R.T. -0.00 min
Lab File: VU040932.D
Acq: 23 Oct 2020 13:01

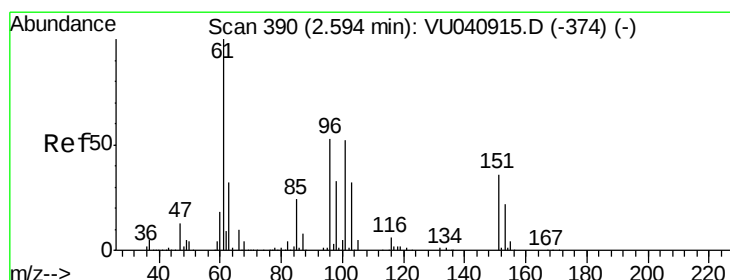
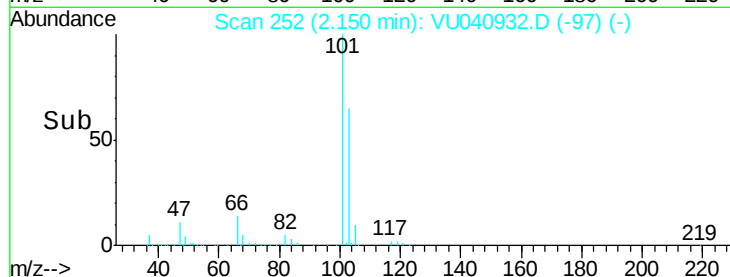
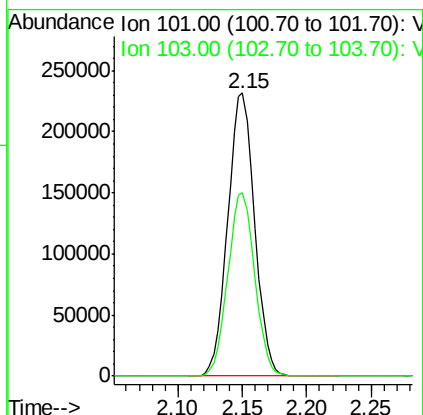
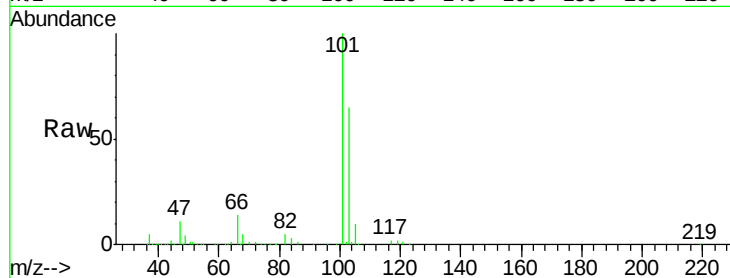
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	334591		
103	64.6	51.5	77.3	

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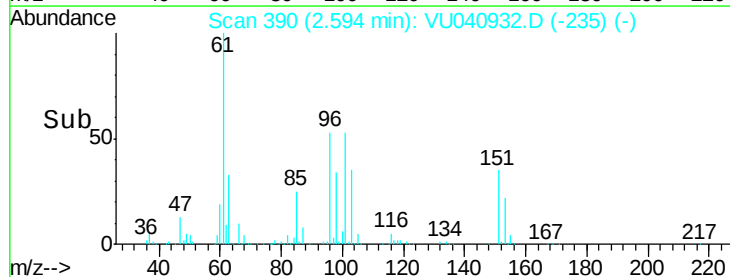
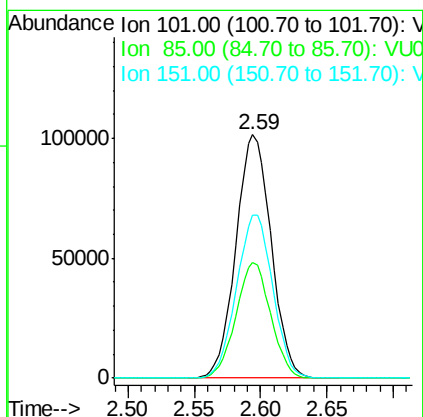
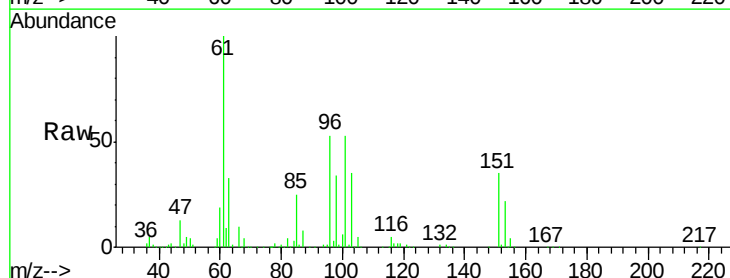
10/26/2020 4:24:25 PM

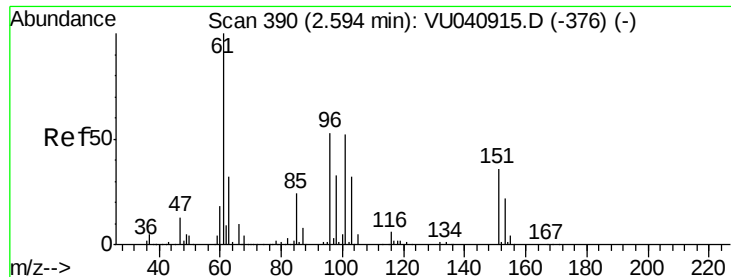


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 9.742 ug/l
RT: 2.59 min Scan# 390
Delta R.T. -0.00 min
Lab File: VU040932.D
Acq: 23 Oct 2020 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	187851		
85	46.6	36.2	54.2	
151	68.8	55.1	82.7	





#9

1,1-Dichloroethene

Concen: 9.862 ug/l

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040932.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_U

ClientSampleId :

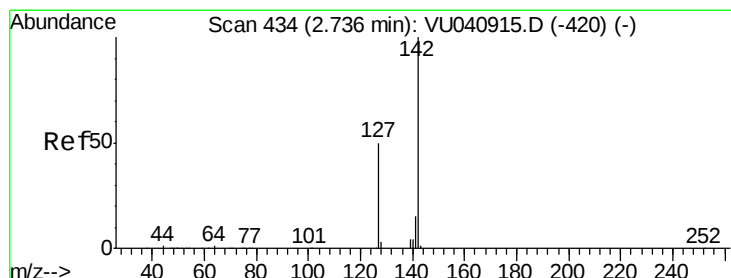
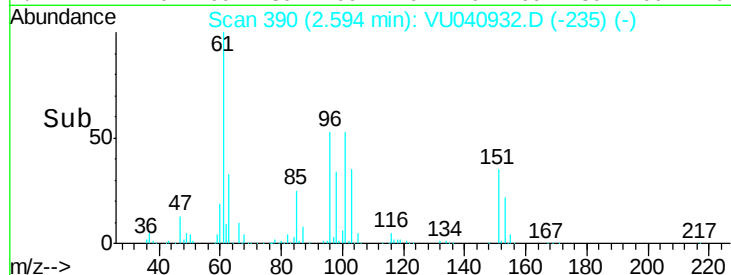
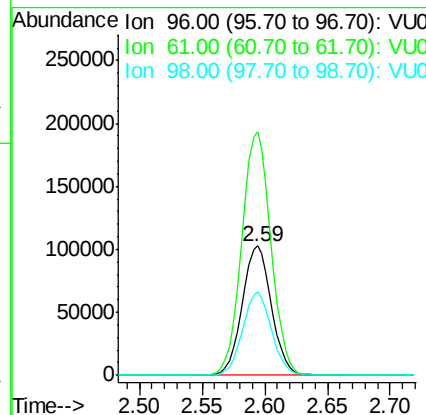
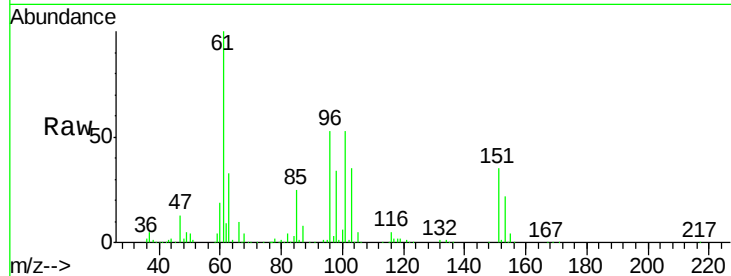
VSTDCCC010EC

Tot Ion:	96	Resp:	165623
Ion	Ratio	Lower	Upper
96	100		
61	187.8	0.0	561.9
98	64.1	0.0	125.0

Manual Integrations
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#10

Iodomethane

Concen: 10.438 ug/l

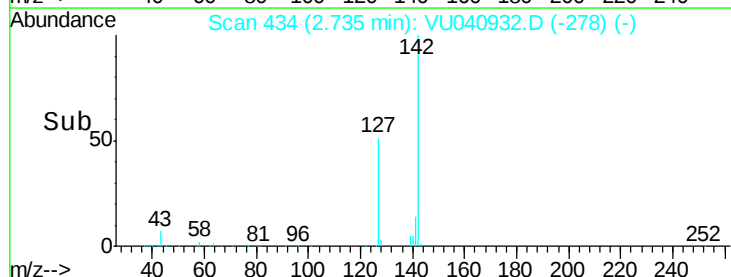
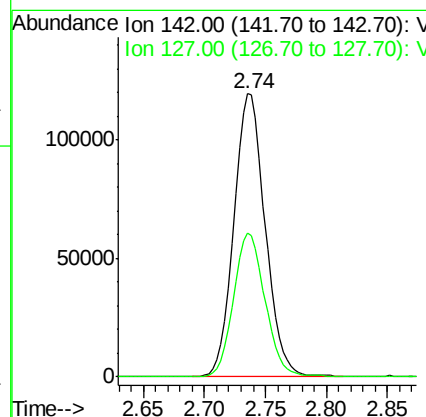
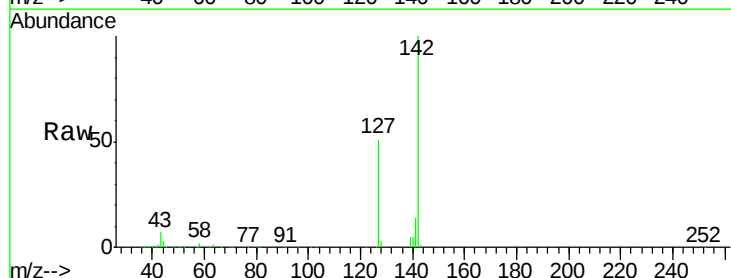
RT: 2.74 min Scan# 434

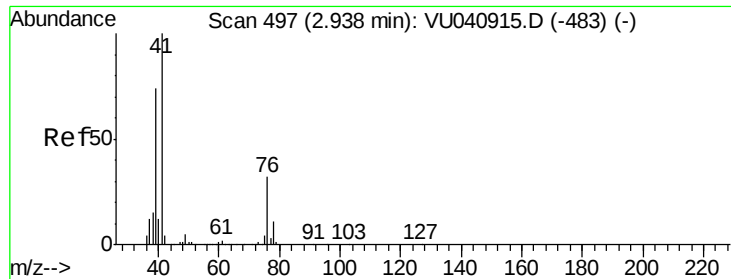
Delta R.T. 0.00 min

Lab File: VU040932.D

Acq: 23 Oct 2020 13:01

Tgt Ion:	142	Resp:	214092
Ion	Ratio	Lower	Upper
142	100		
127	51.2	40.6	60.8





#11
Allvl Chloride
Concen: 9.793 ug/l
RT: 2.94 min Scan# 497
Delta R.T. -0.00 min
Lab File: VU040932.D
Acq: 23 Oct 2020 13:01

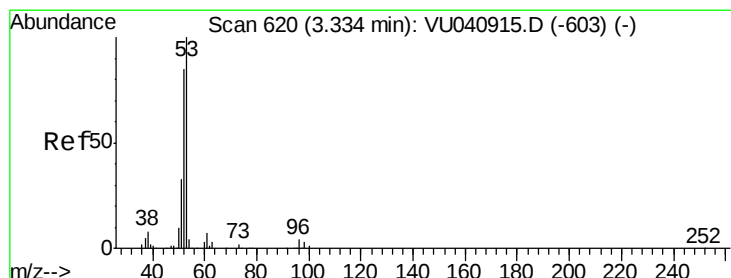
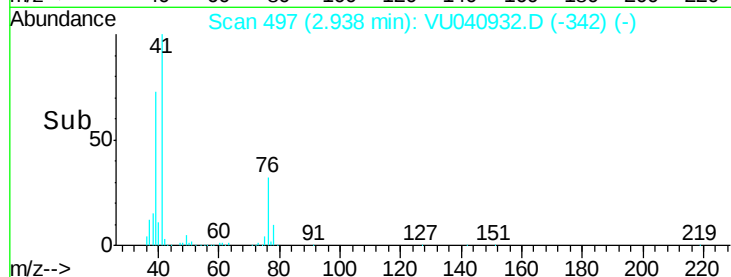
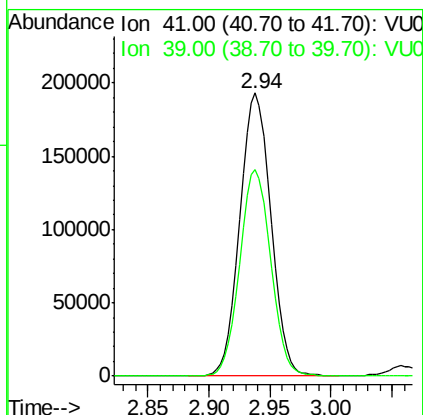
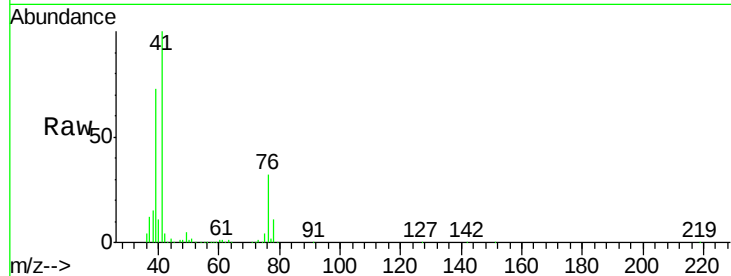
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion: 41 Resp: 338616
Ion Ratio Lower Upper
41 100
39 73.0 59.0 88.4

Manual Integrations
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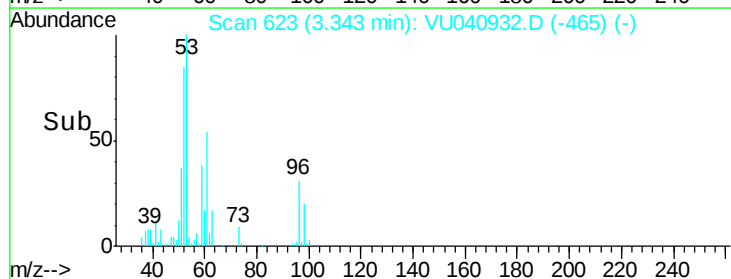
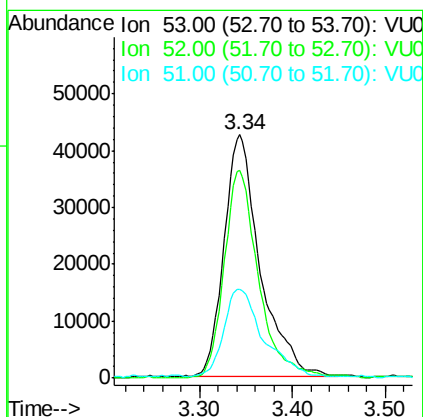
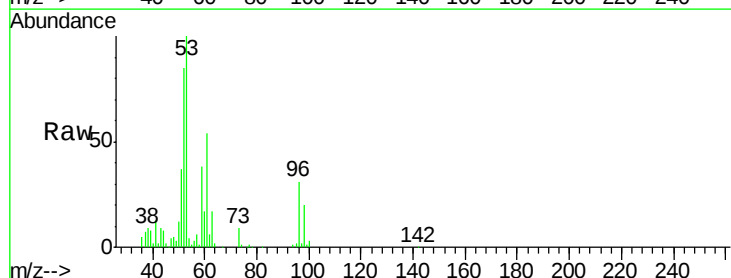
MMDadoda

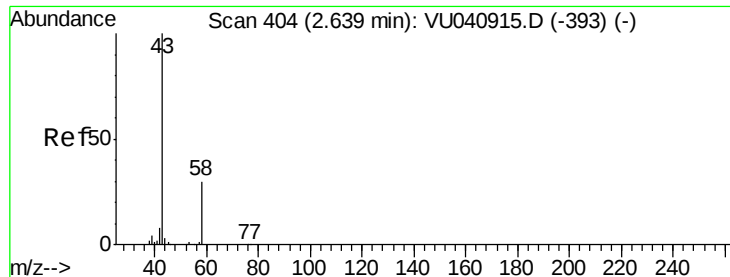
10/26/2020 4:24:25 PM



#12
Acrylonitrile
Concen: 19.285 ug/l
RT: 3.34 min Scan# 623
Delta R.T. 0.01 min
Lab File: VU040932.D
Acq: 23 Oct 2020 13:01

Tgt Ion: 53 Resp: 114178
Ion Ratio Lower Upper
53 100
52 82.5 63.1 94.7
51 40.1 30.6 46.0





#13

Acetone

Concen: 58.742 ug/l

RT: 2.66 min Scan# 411

Delta R.T. 0.02 min

Lab File: VU040932.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 291094

Ion Ratio Lower Upper

43 100

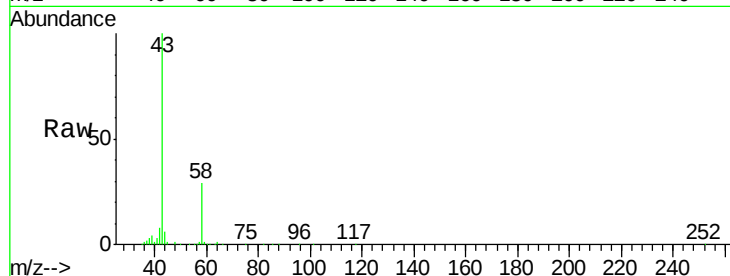
58 28.8 23.6 35.4

Manual Integrations

APPROVED

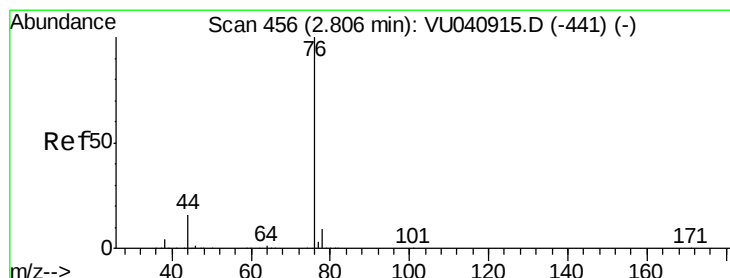
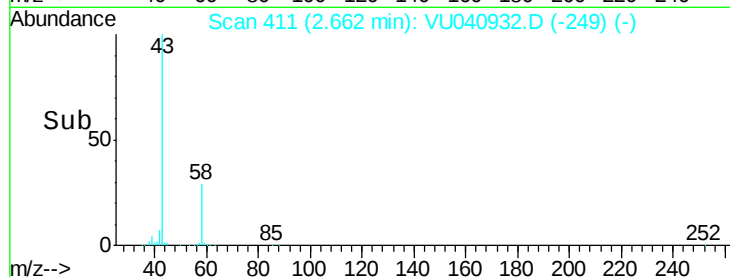
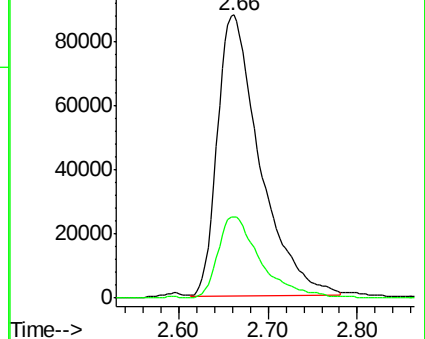
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU040932.D (-249) (-)

Ion 58.00 (57.70 to 58.70): VU040932.D (-249) (-)



#14

Carbon Disulfide

Concen: 9.772 ug/l

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040932.D

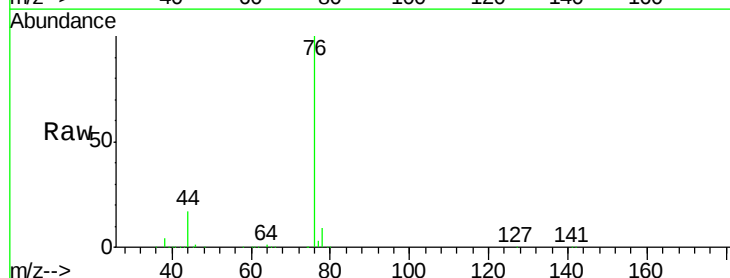
Acq: 23 Oct 2020 13:01

Tgt Ion: 76 Resp: 616678

Ion Ratio Lower Upper

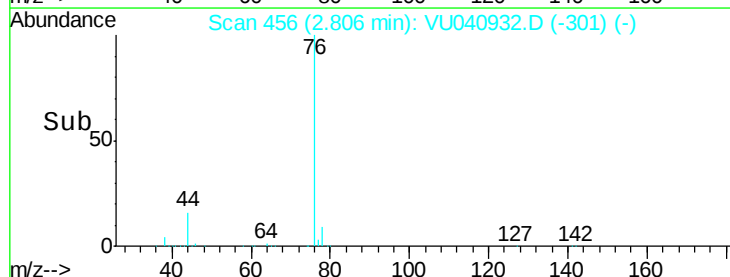
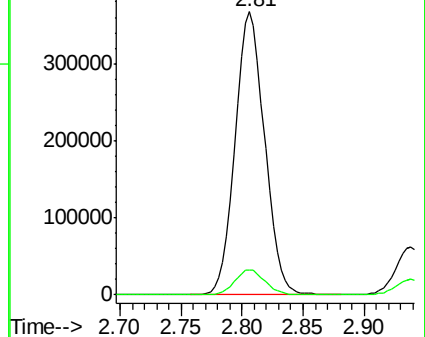
76 100

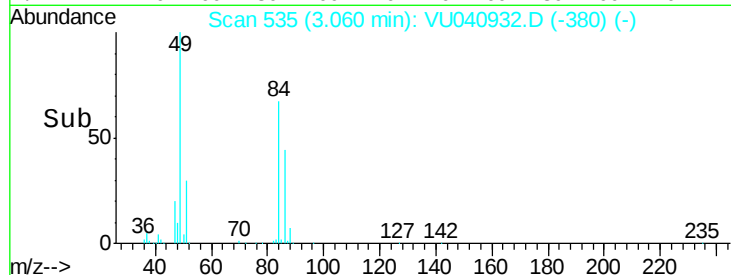
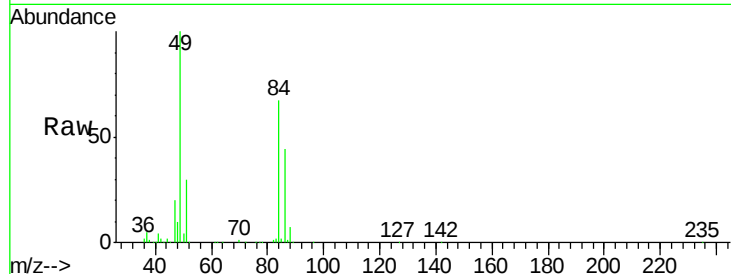
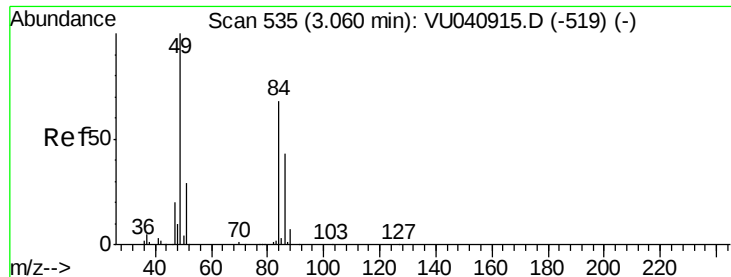
78 8.9 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU040932.D (-301) (-)

Ion 78.00 (77.70 to 78.70): VU040932.D (-301) (-)





#15
Methvlene Chloride
Concen: 10.602 ug/l
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU040932.D
Acq: 23 Oct 2020 13:01

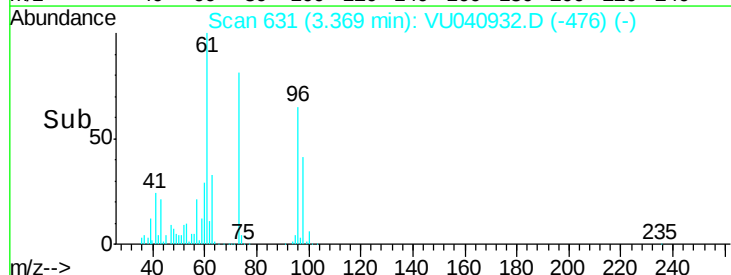
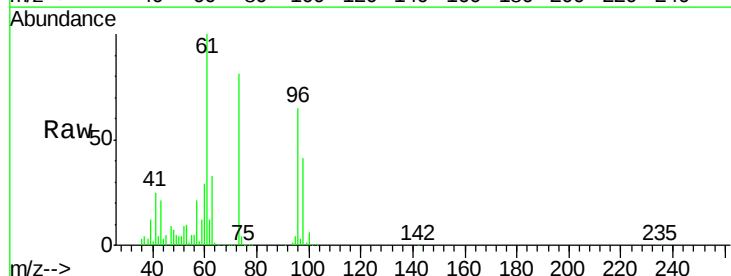
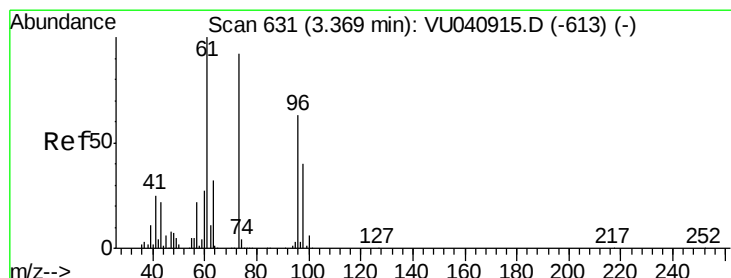
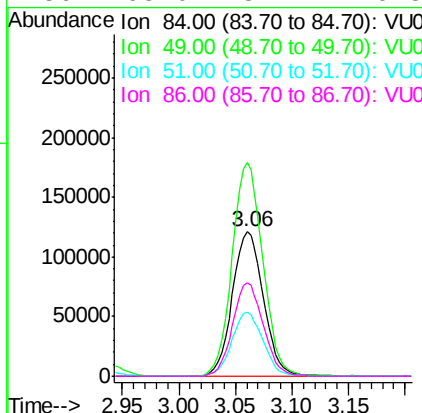
Tot Ion:	84	Resp:	231273
Ion	Ratio	Lower	Upper
84	100		
49	148.2	118.2	177.4
51	44.6	0.0	86.8
86	65.0	51.2	76.8

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Manual Integrations
APPROVED

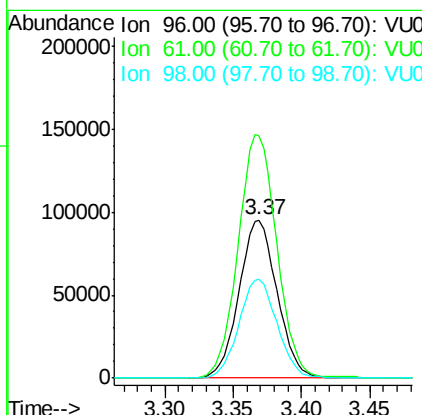
MMDadoda

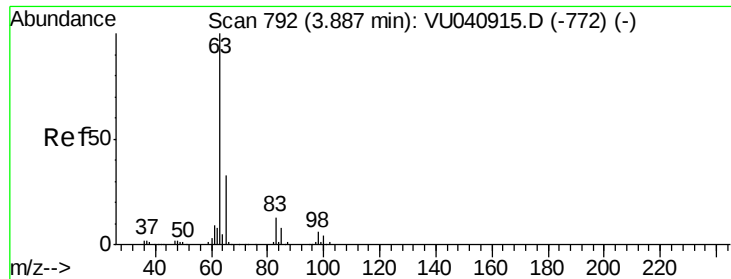
10/26/2020 4:24:25 PM



#16
trans-1,2-Dichloroethene
Concen: 9.711 ug/l
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU040932.D
Acq: 23 Oct 2020 13:01

Tgt Ion:	96	Resp:	184581
Ion	Ratio	Lower	Upper
96	100		
61	153.3	127.0	190.4
98	62.7	51.2	76.8





#17
 1,1-Dichloroethane
 Concen: 9.582 ug/l
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU040932.D
 Acq: 23 Oct 2020 13:01

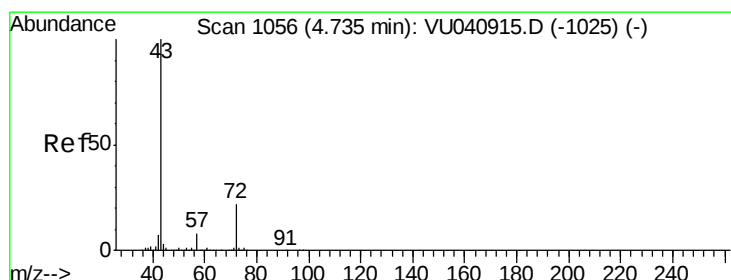
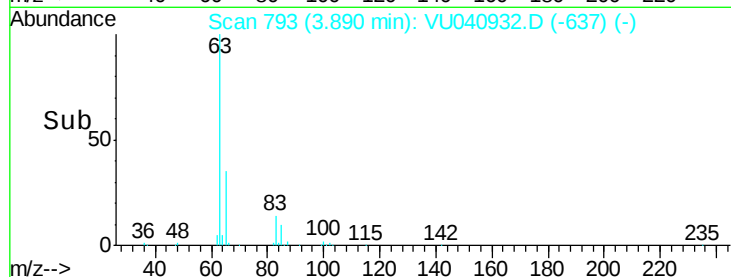
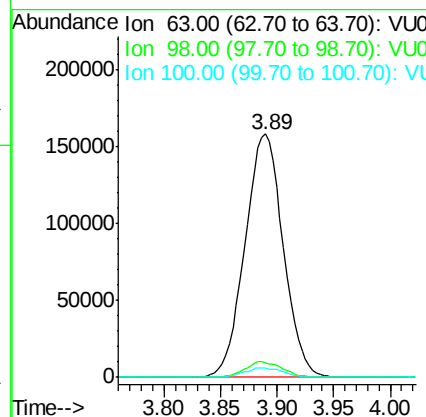
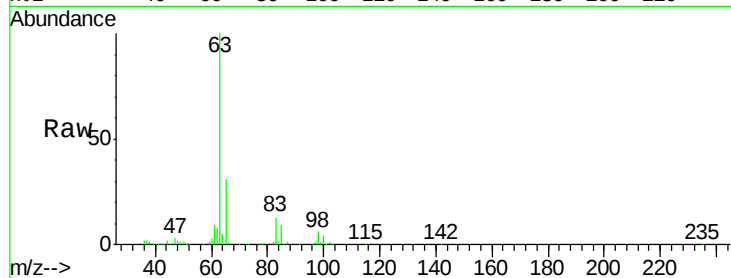
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:	63	Resp:	372523
Ion Ratio	Lower	Upper	
63	100		
98	6.1	3.0	9.2
100	3.8	1.8	5.5

Manual Integrations
 APPROVED

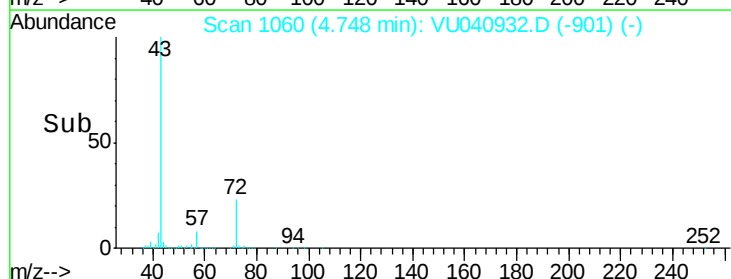
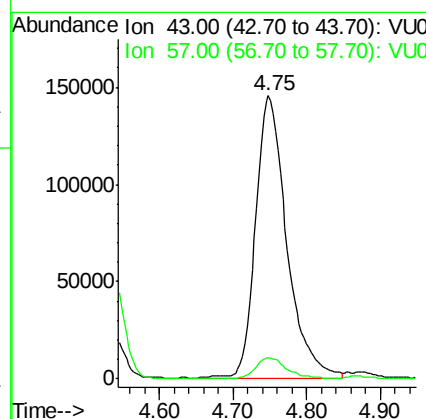
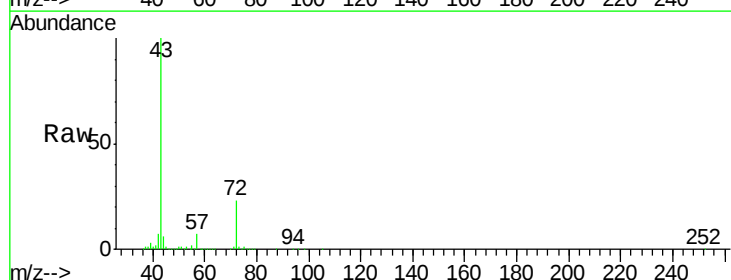
MMDadoda

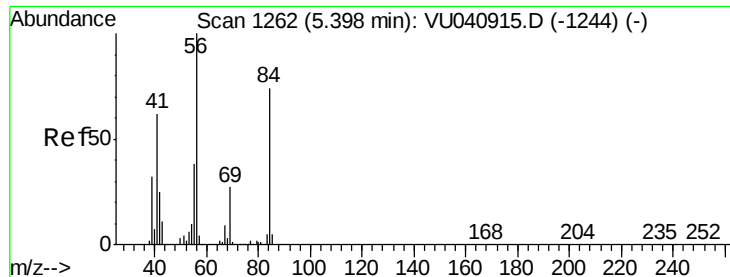
10/26/2020 4:24:25 PM



#18
 2-Butanone
 Concen: 53.650 ug/l
 RT: 4.75 min Scan# 1060
 Delta R.T. 0.01 min
 Lab File: VU040932.D
 Acq: 23 Oct 2020 13:01

Tgt Ion:	43	Resp:	430063
Ion Ratio	Lower	Upper	
43	100		
57	7.5	0.0	15.2





#19
Cyclohexane
Concen: 9.518 ug/l m
RT: 5.40 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VU040932.D
Acq: 23 Oct 2020 13:01

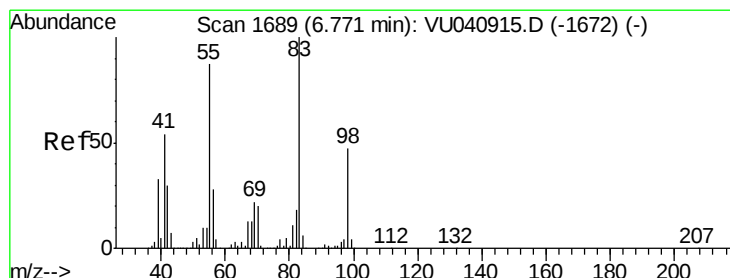
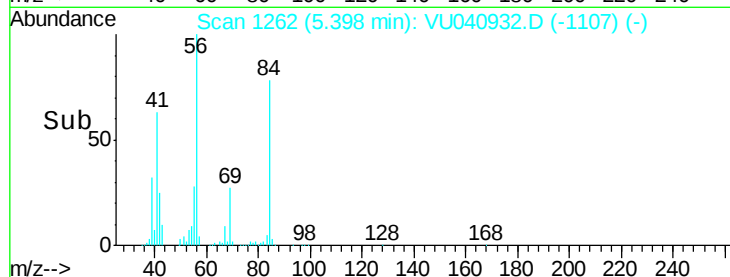
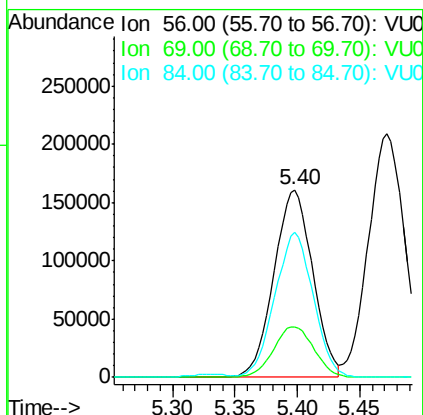
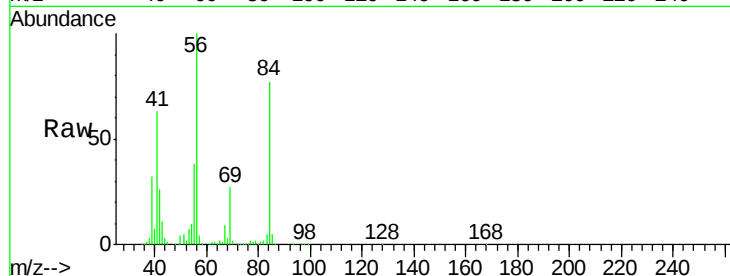
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	56	Resp	348245
Ion	Ratio	Lower	Upper
56	100		
69	28.1	22.2	33.2
84	75.1	60.1	90.1

Manual Integrations
APPROVED

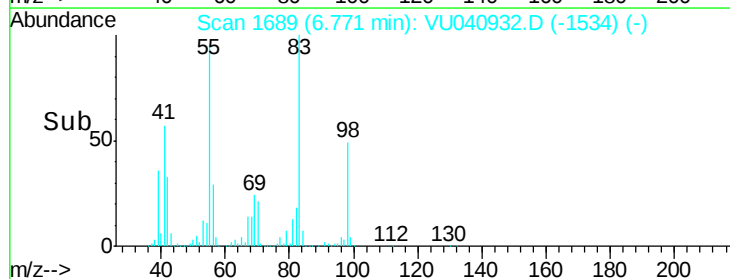
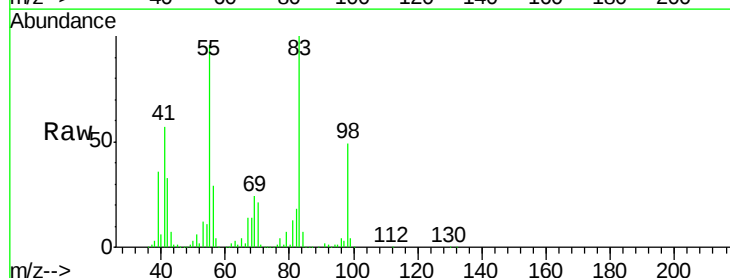
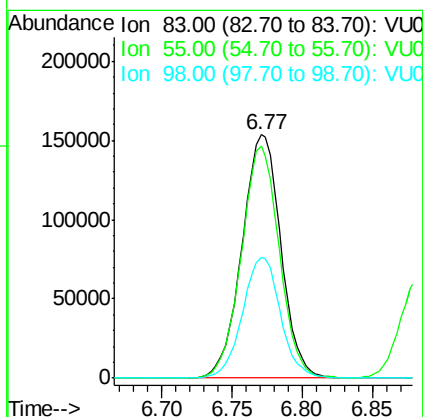
MMDadoda

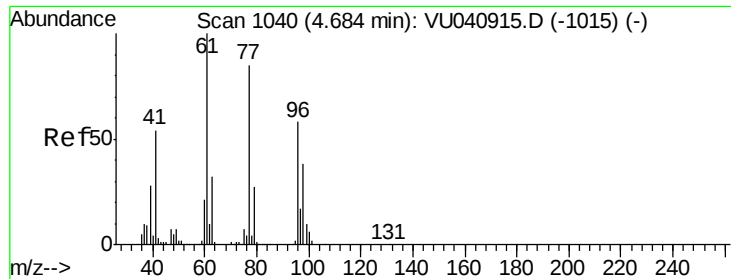
10/26/2020 4:24:25 PM



#20
Methylcyclohexane
Concen: 10.774 ug/l
RT: 6.77 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VU040932.D
Acq: 23 Oct 2020 13:01

Tgt Ion	83	Resp	294903
Ion	Ratio	Lower	Upper
83	100		
55	93.1	71.0	106.4
98	48.8	38.1	57.1





#21
 2,2-Dichloropropane
 Concen: 9.883 ug/l
 RT: 4.68 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VU040932.D
 Acq: 23 Oct 2020 13:01

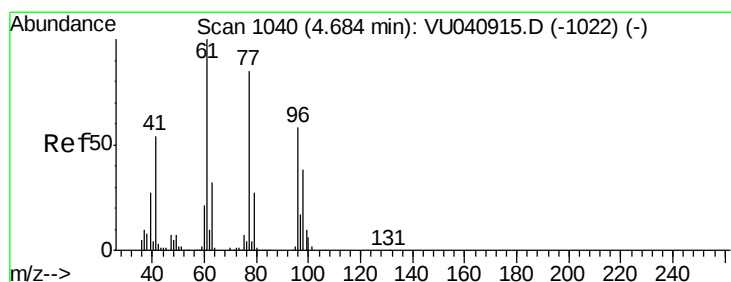
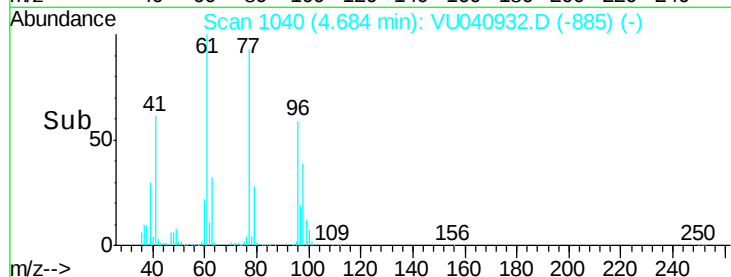
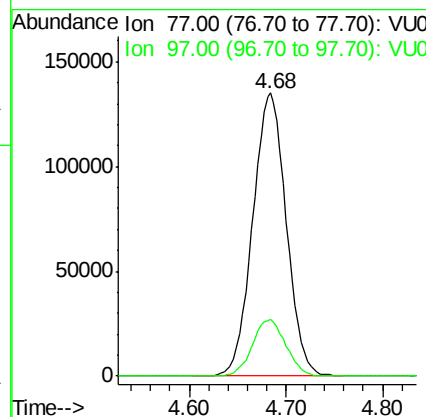
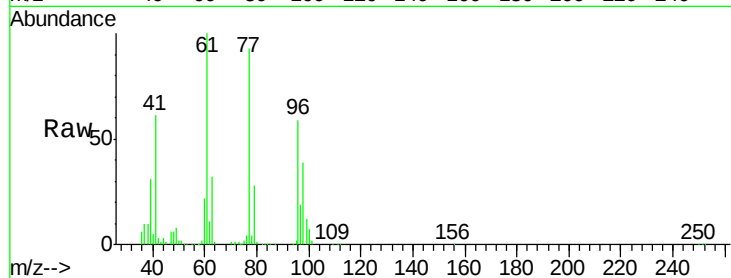
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 77 Resp: 324422
 Ion Ratio Lower Upper
 77 100
 97 20.1 16.0 24.0

Manual Integrations
 APPROVED

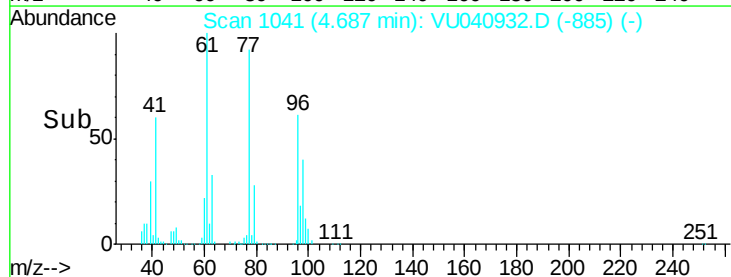
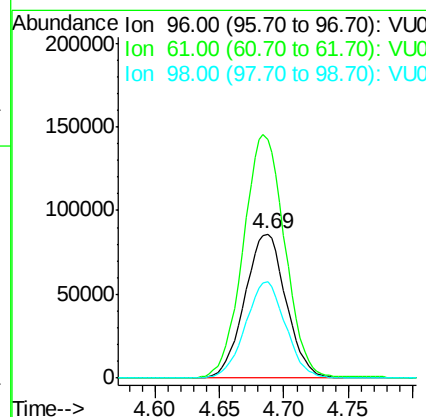
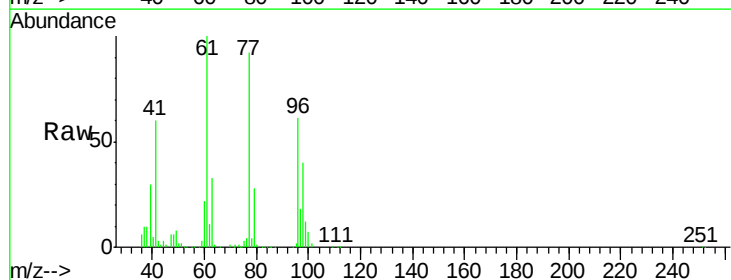
MMDadoda

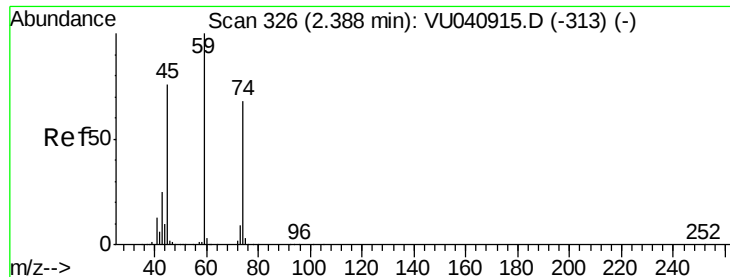
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#22
 cis-1,2-Dichloroethene
 Concen: 9.482 ug/l
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU040932.D
 Acq: 23 Oct 2020 13:01

Tgt Ion: 96 Resp: 192301
 Ion Ratio Lower Upper
 96 100
 61 169.9 0.0 434.5
 98 64.9 32.6 97.8





#23

Diethyl Ether

Concen: 9.647 ug/l

RT: 2.39 min Scan# 326

Delta R.T. -0.00 min

Lab File: VU040932.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_U

ClientSampleId :

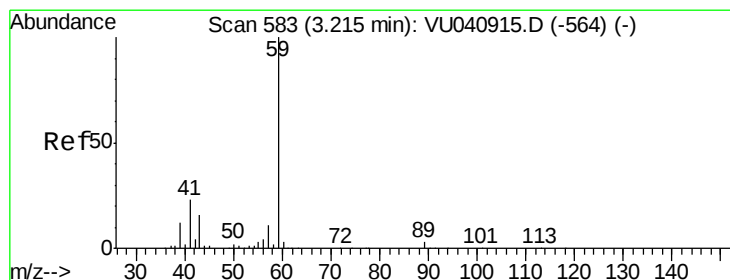
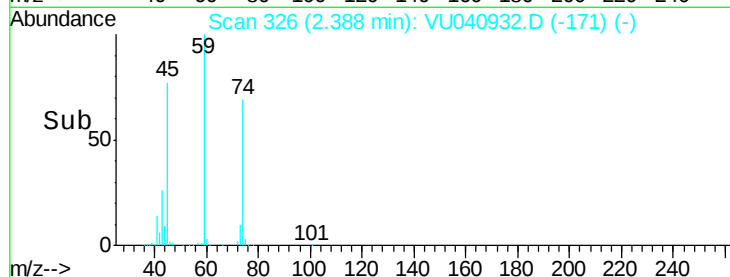
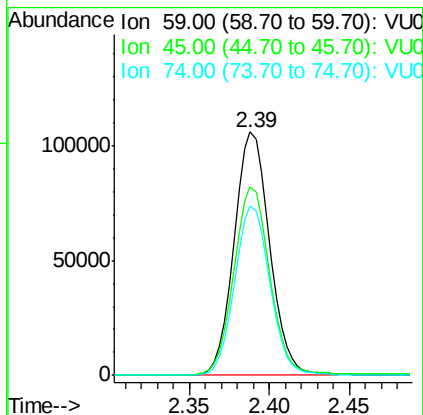
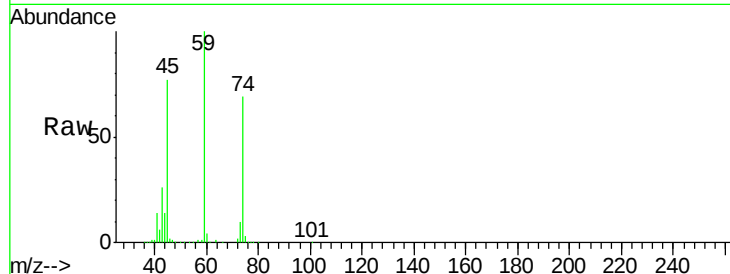
VSTDCCC010EC

Tot Ion:	59	Resp:	159970
Ion	Ratio	Lower	Upper
59	100		
45	78.2	61.4	92.2
74	69.4	55.0	82.4

Manual Integrations
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#24

tert-Butyl Alcohol

Concen: 82.165 ug/l m

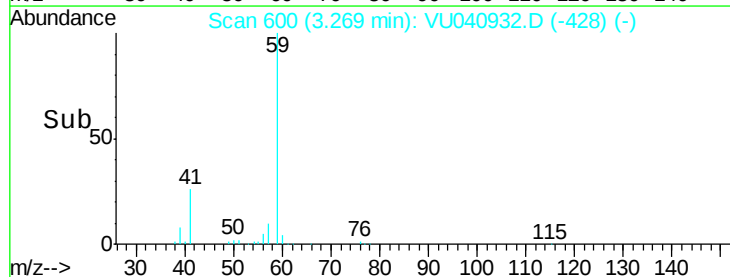
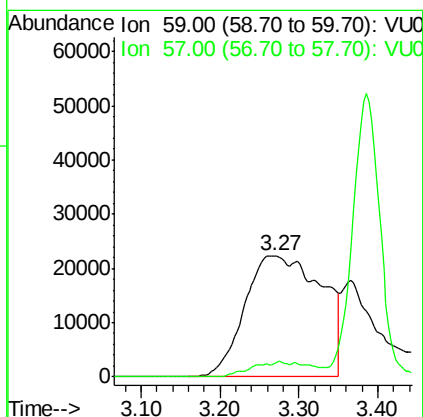
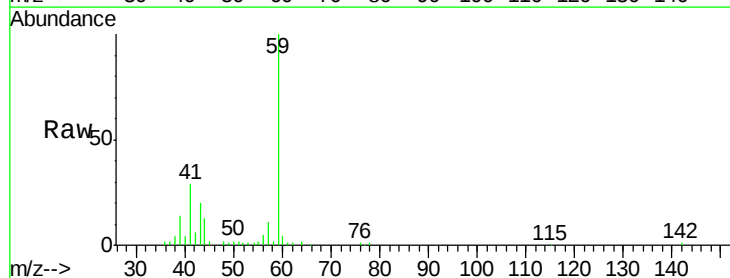
RT: 3.27 min Scan# 600

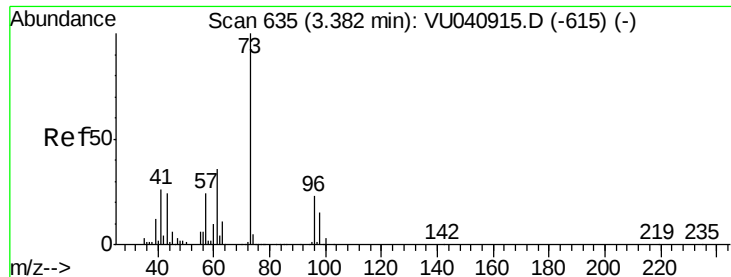
Delta R.T. 0.05 min

Lab File: VU040932.D

Acq: 23 Oct 2020 13:01

Tgt Ion:	59	Resp:	151990
Ion	Ratio	Lower	Upper
59	100		
57	3.7	8.4	12.6#





#25
Methvl tert-Butvl Ether
Concen: 9.612 ug/l
RT: 3.38 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU040932.D
Acq: 23 Oct 2020 13:01

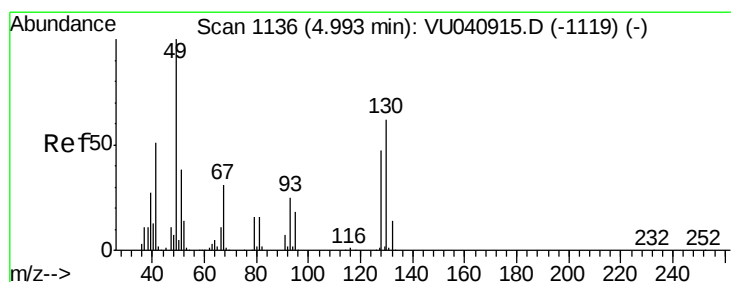
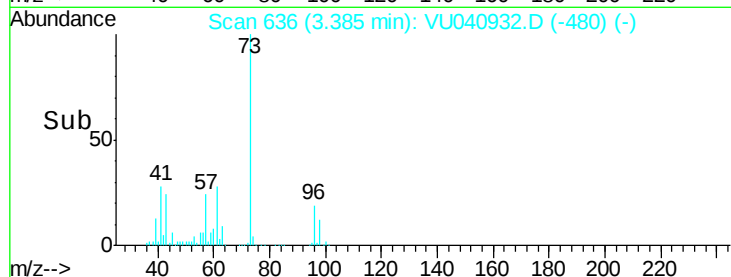
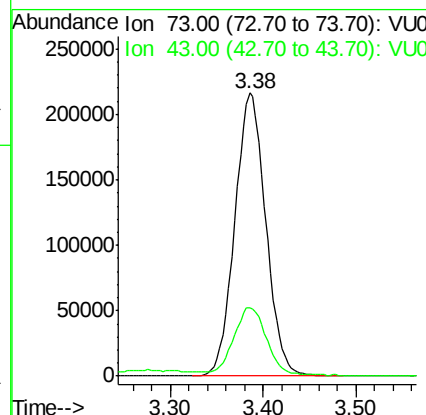
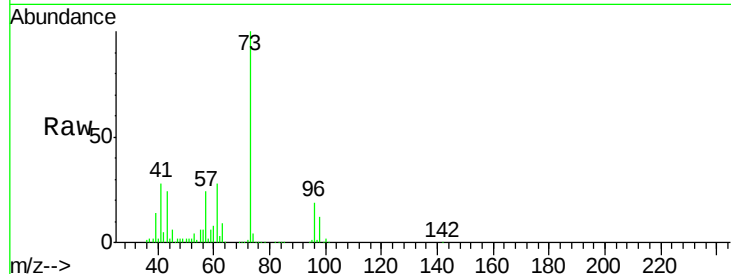
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
73	100		
43	25.2	19.0	28.6

Manual Integrations
APPROVED

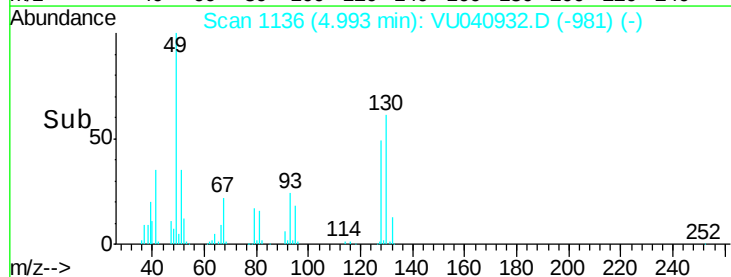
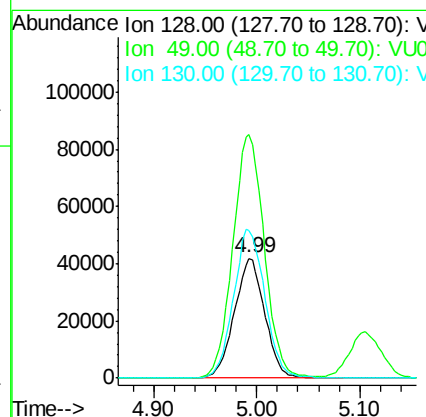
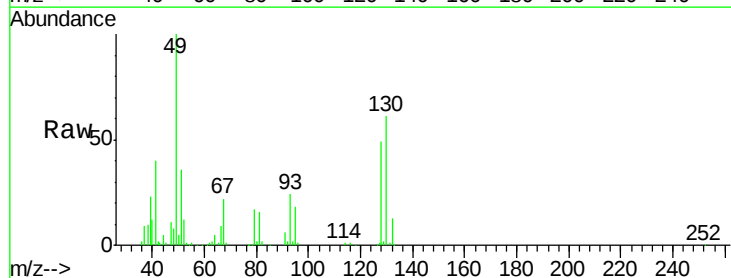
MMDadoda

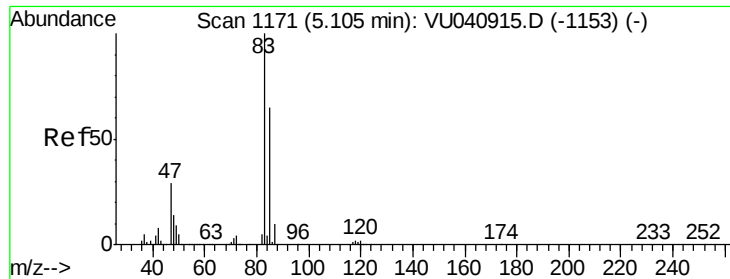
10/26/2020 4:24:25 PM



#26
Bromochloromethane
Concen: 9.760 ug/l
RT: 4.99 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VU040932.D
Acq: 23 Oct 2020 13:01

Tgt Ion	Ratio	Lower	Upper
128	100		
49	210.0	0.0	426.4
130	128.2	106.2	159.4





#27

Chloroform

Concen: 9.623 ug/l

RT: 5.11 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VU040932.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 357549

Ion Ratio Lower Upper

83 100

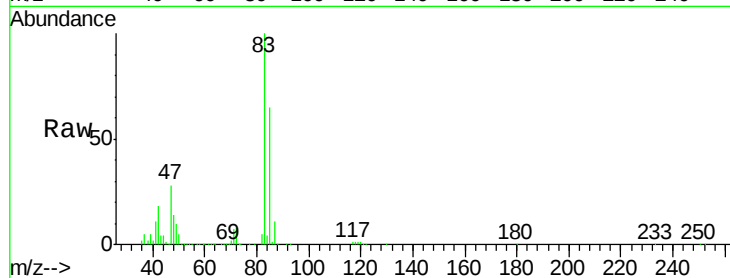
85 64.7 0.0 129.0

Manual Integrations

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Abundance Ion 83.00 (82.70 to 83.70): VU040932.D (-1016) (-)

Ion 85.00 (84.70 to 85.70): VU040932.D (-1016) (-)

5.11

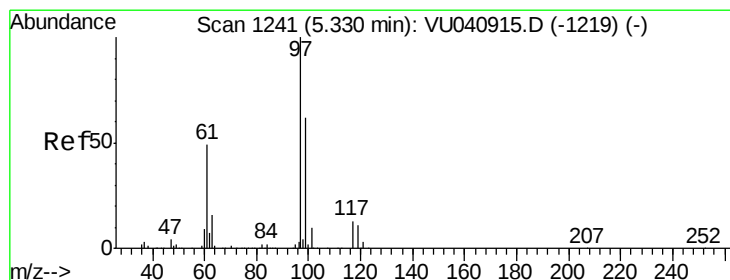
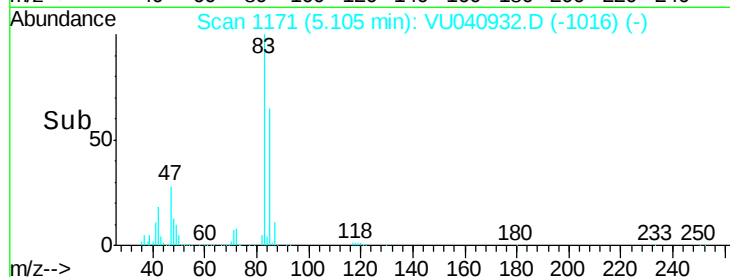
150000

100000

50000

0

Time-->



#28

1,1,1-Trichloroethane

Concen: 9.614 ug/l

RT: 5.33 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VU040932.D

Acq: 23 Oct 2020 13:01

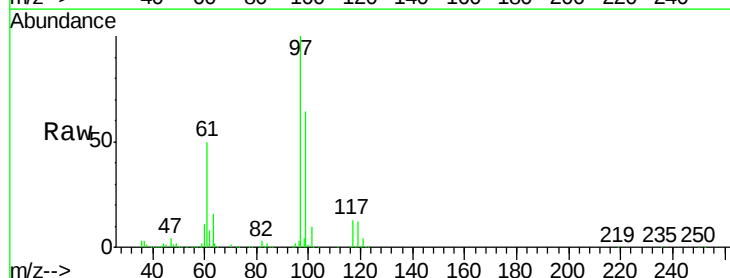
Tgt Ion: 97 Resp: 307965

Ion Ratio Lower Upper

97 100

99 65.2 31.4 94.3

61 50.4 24.7 74.1



Abundance Ion 97.00 (96.70 to 97.70): VU040932.D (-1086) (-)

Ion 99.00 (98.70 to 99.70): VU040932.D (-1086) (-)

Ion 61.00 (60.70 to 61.70): VU040932.D (-1086) (-)

5.33

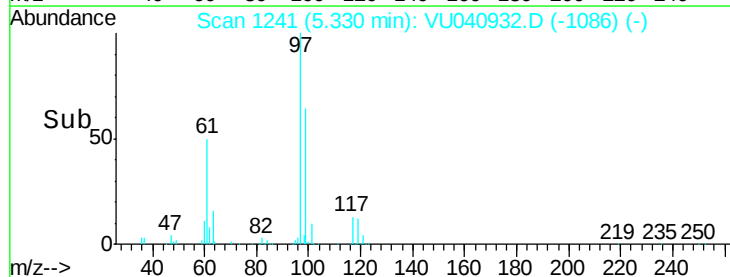
150000

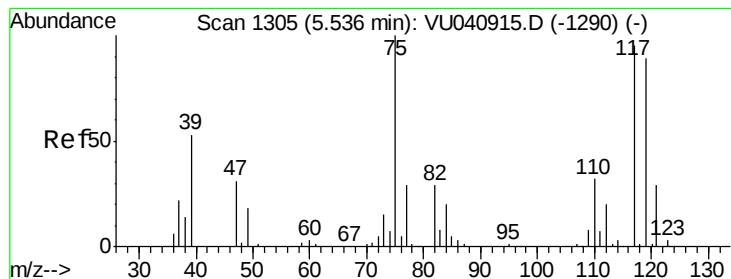
100000

50000

0

Time-->





#29

1,1-Dichloropropene

Concen: 9.687 ug/l

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU040932.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 271883

Ion Ratio Lower Upper

75 100

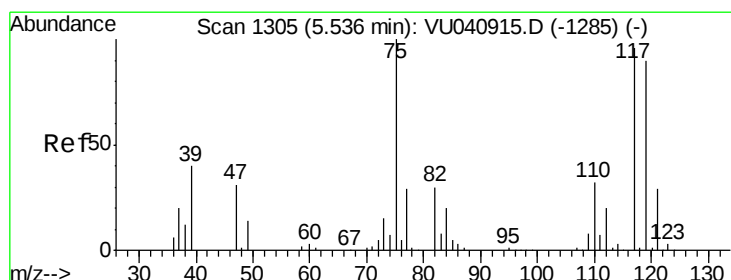
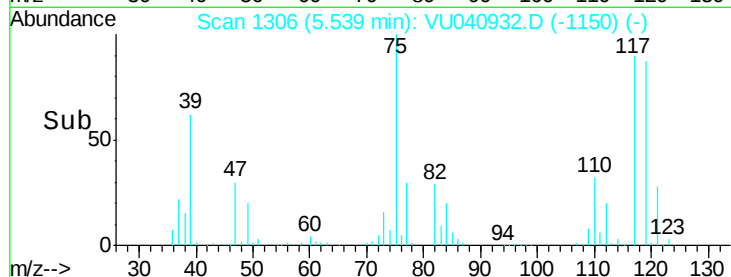
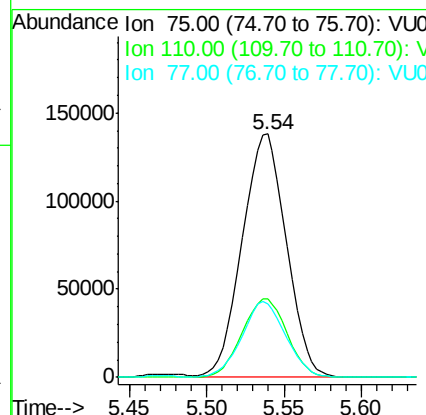
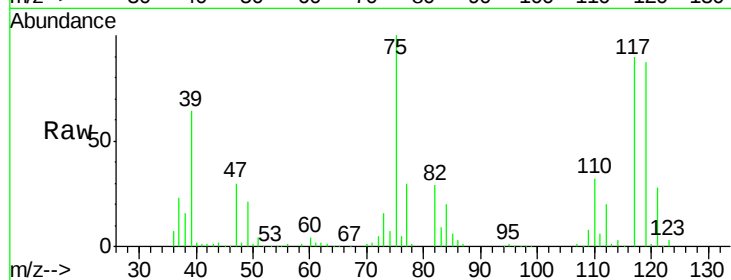
110 33.2 15.9 47.6

77 30.8 24.2 36.2

Manual Integrations
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#30

Carbon Tetrachloride

Concen: 9.675 ug/l

RT: 5.54 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VU040932.D

Acq: 23 Oct 2020 13:01

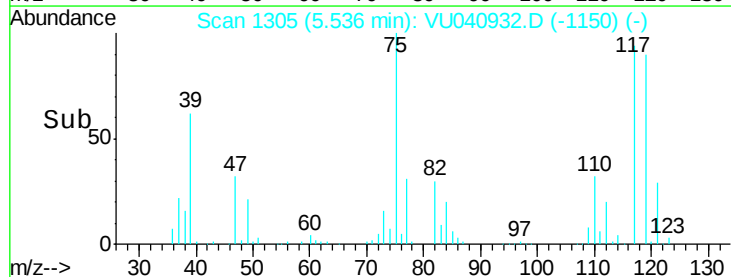
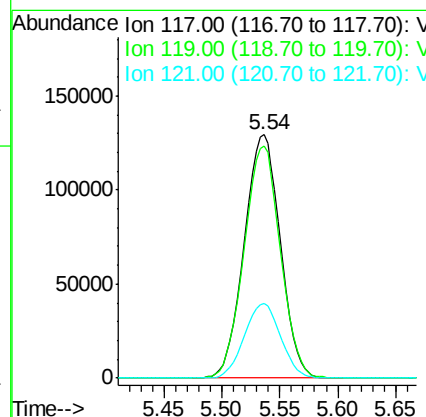
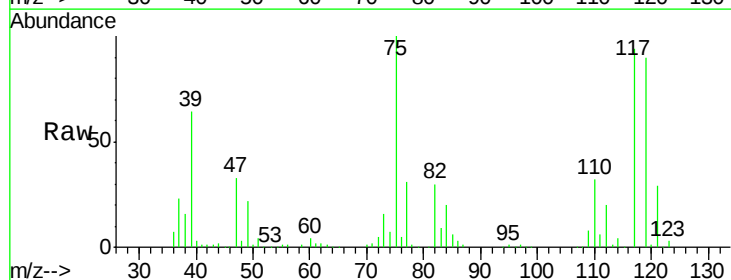
Tgt Ion: 117 Resp: 280505

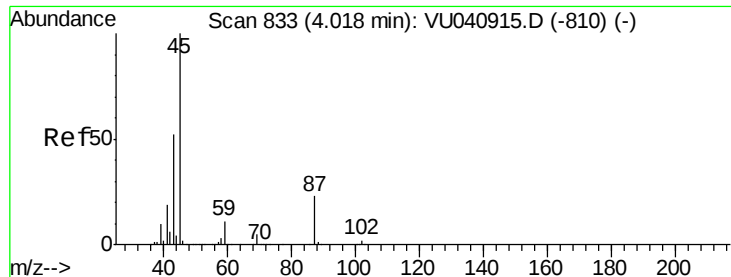
Ion Ratio Lower Upper

117 100

119 95.6 74.9 112.3

121 30.5 24.1 36.1





#31

Isopropyl Ether

Concen: 9.722 ug/l

RT: 4.02 min Scan# 834

Delta R.T. 0.00 min

Lab File: VU040932.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 584478

Ion Ratio Lower Upper

45 100

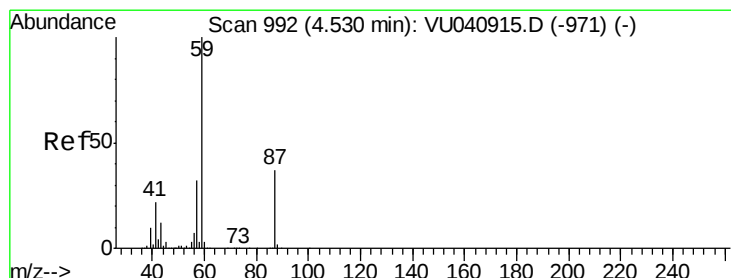
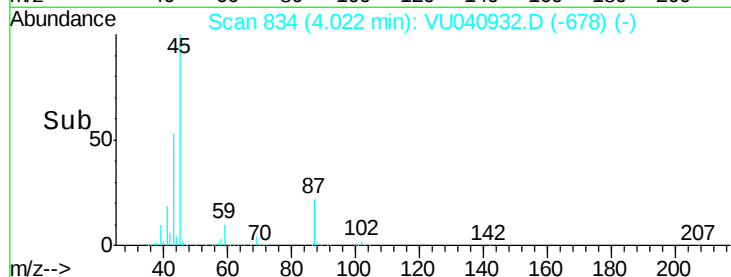
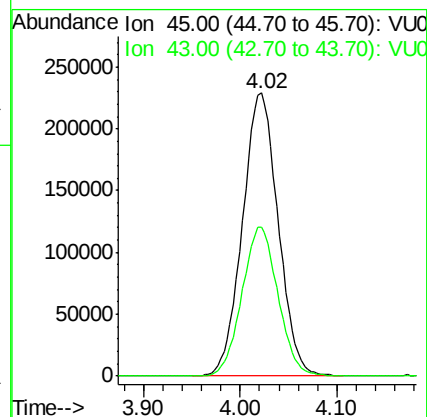
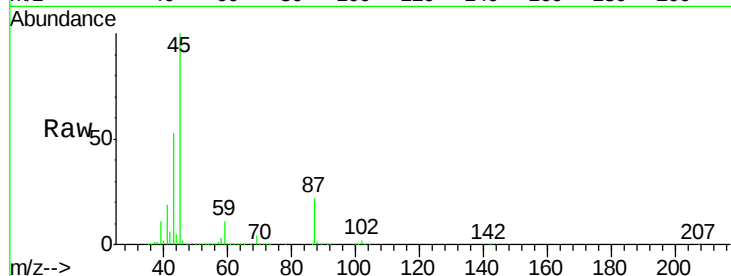
43 53.2 26.8 80.3

Manual Integrations

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#32

Ethyl-t-butyl ether

Concen: 9.640 ug/l

RT: 4.53 min Scan# 992

Delta R.T. -0.00 min

Lab File: VU040932.D

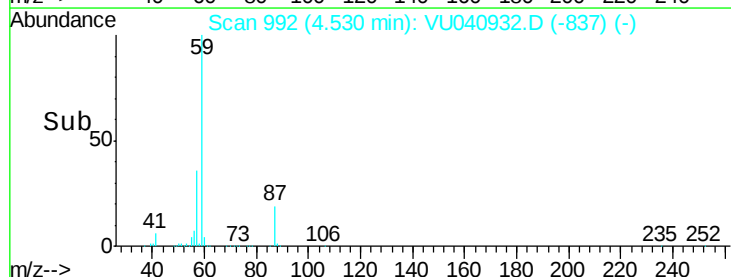
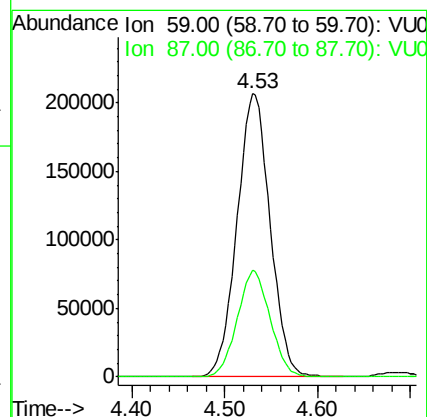
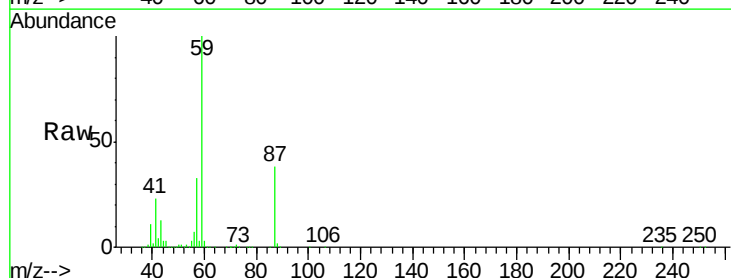
Acq: 23 Oct 2020 13:01

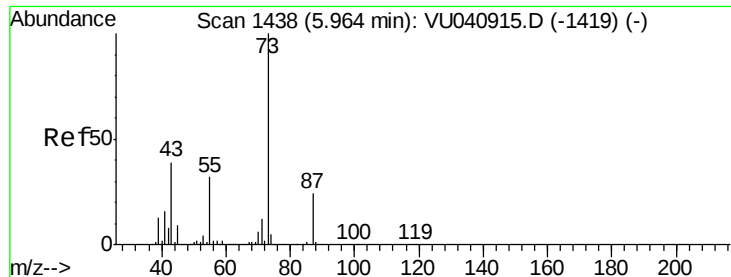
Tgt Ion: 59 Resp: 510418

Ion Ratio Lower Upper

59 100

87 37.1 30.6 46.0





#33
Tert-Butyl methyl ether
Concen: 10.381 ug/l
RT: 5.96 min Scan# 1438
Delta R.T. -0.00 min
Lab File: VU040932.D
Acq: 23 Oct 2020 13:01

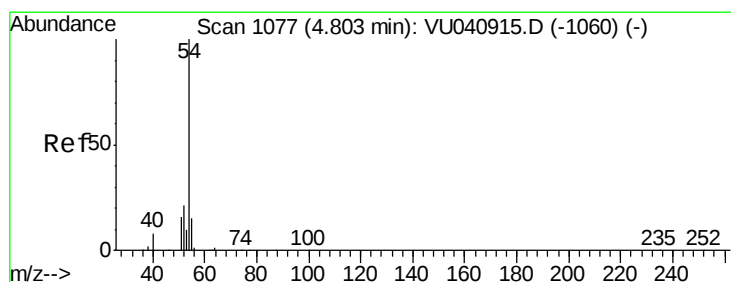
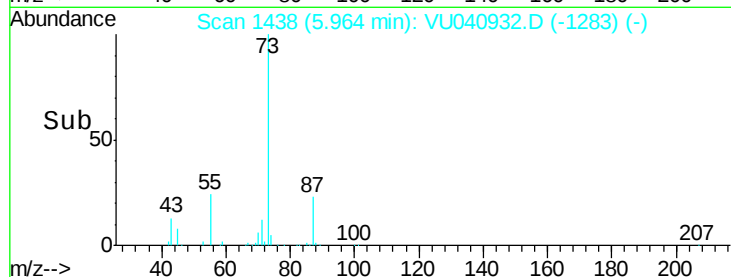
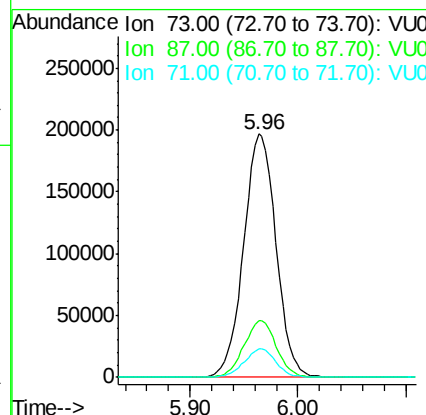
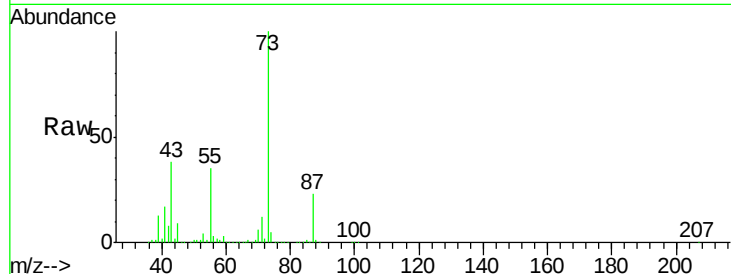
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
73	100		
87	23.5	19.0	28.4
71	11.5	9.7	14.5

Manual Integrations
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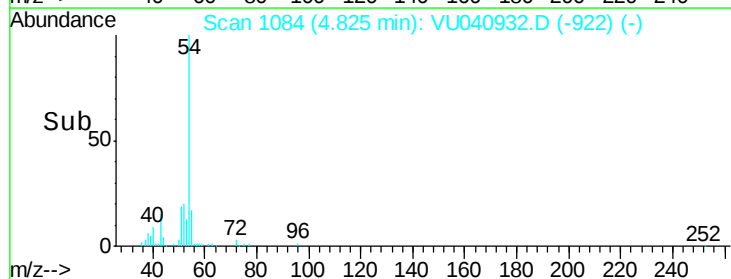
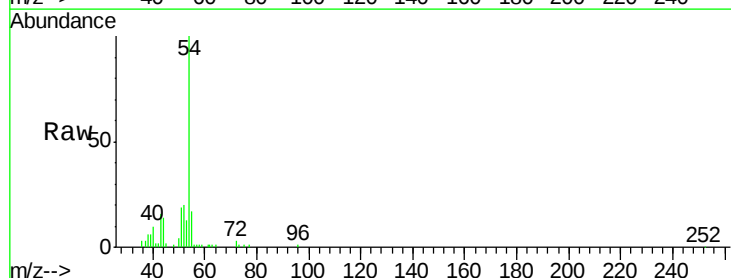
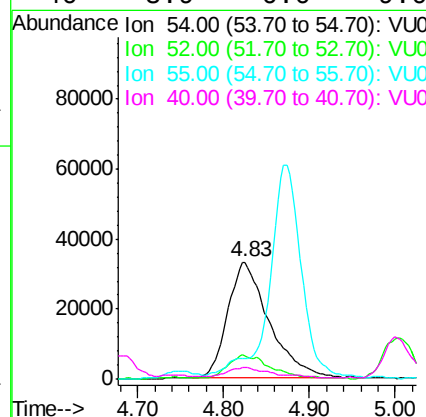
MMDadoda

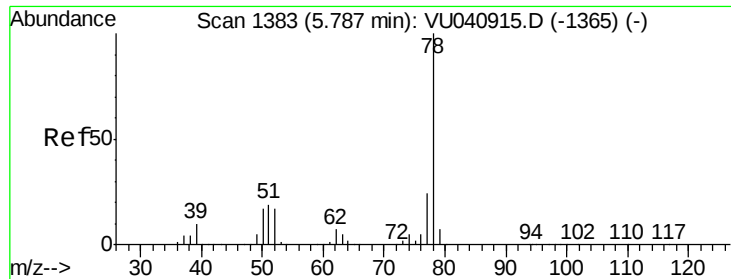
10/26/2020 4:24:25 PM



#34
Propionitrile
Concen: 49.823 ug/l
RT: 4.83 min Scan# 1084
Delta R.T. 0.02 min
Lab File: VU040932.D
Acq: 23 Oct 2020 13:01

Tgt Ion	Ratio	Lower	Upper
54	100		
52	19.7	15.5	23.3
55	7.7	12.5	18.7#
40	8.9	6.0	9.0





#35

Benzene

Concen: 9.909 ug/l

RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VU040932.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 78 Resp: 770906

Ion Ratio Lower Upper

78 100

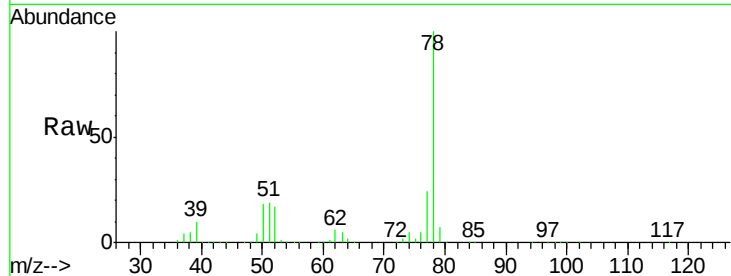
77 24.4 19.4 29.2

Manual Integrations

APPROVED

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Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0

5.79

400000

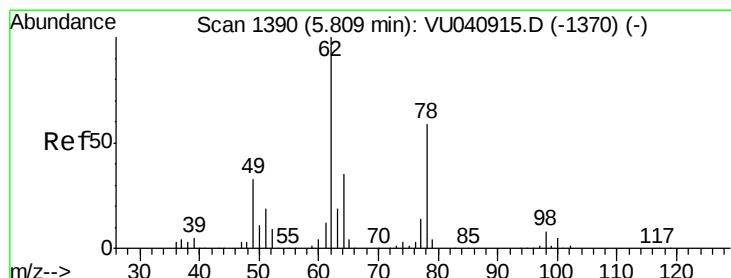
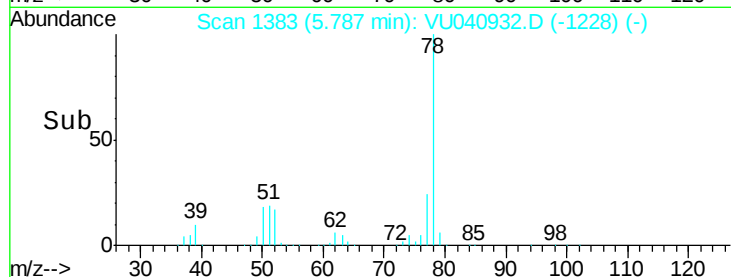
300000

200000

100000

0

Time-->



#36

1,2-Dichloroethane

Concen: 9.744 ug/l

RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VU040932.D

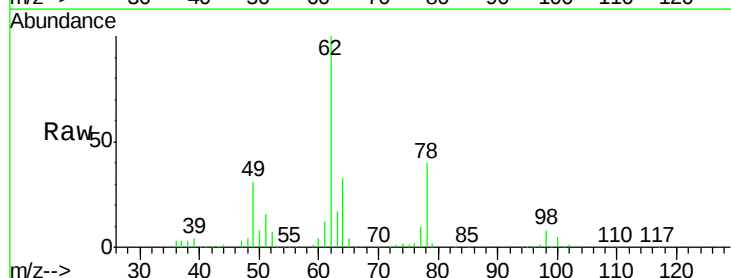
Acq: 23 Oct 2020 13:01

Tgt Ion: 62 Resp: 281011

Ion Ratio Lower Upper

62 100

98 7.8 6.7 10.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

5.81

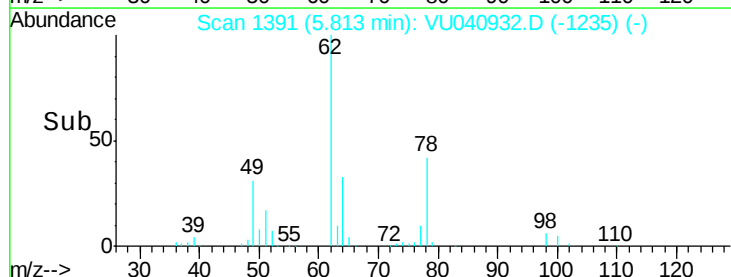
150000

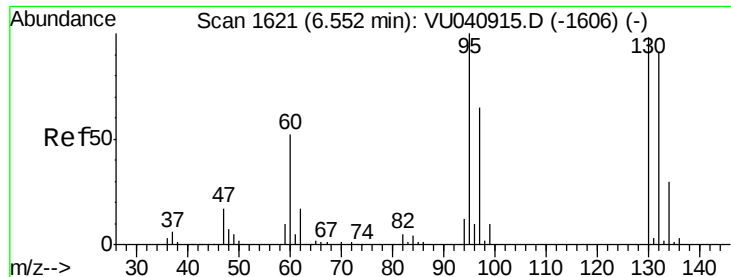
100000

50000

0

Time-->





#37
 Trichloroethene
 Concen: 9.803 ug/l
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040932.D
 Acq: 23 Oct 2020 13:01

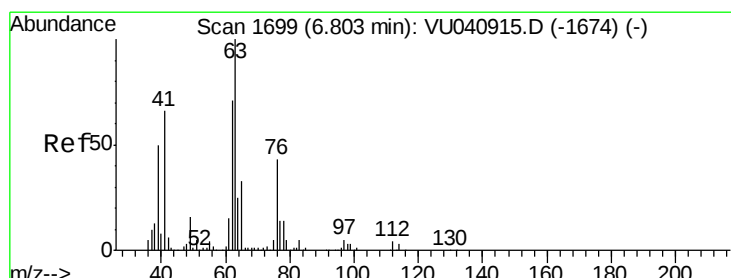
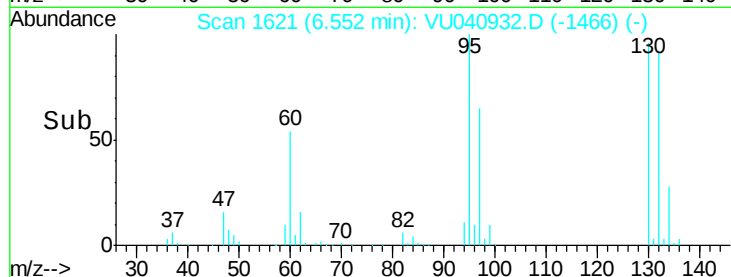
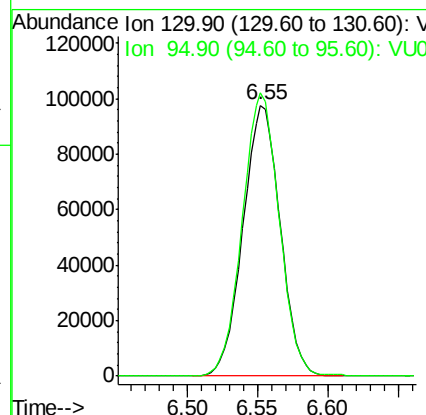
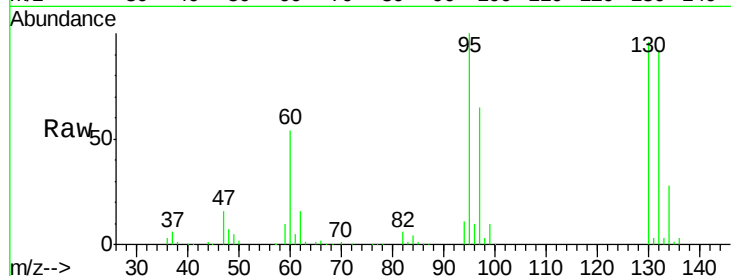
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
130	100		
95	104.4	81.9	122.9

Manual Integrations
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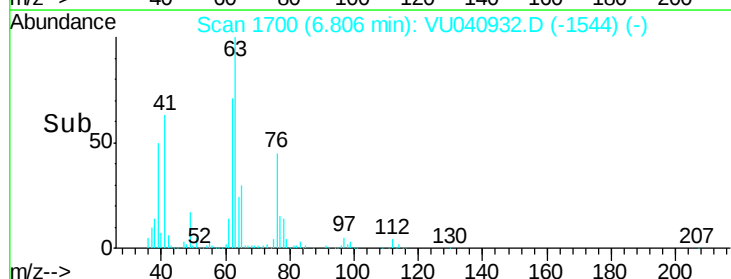
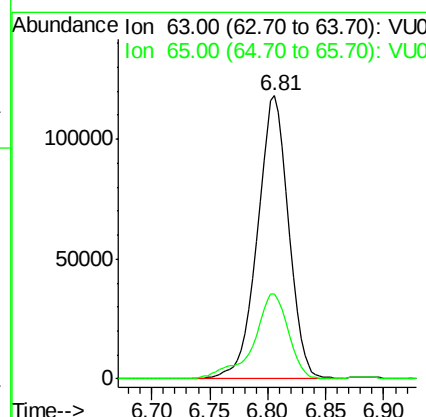
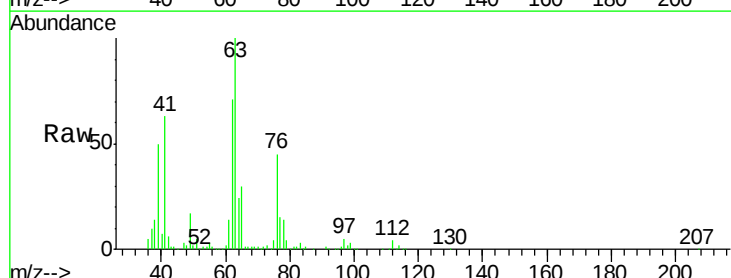
MMDadoda

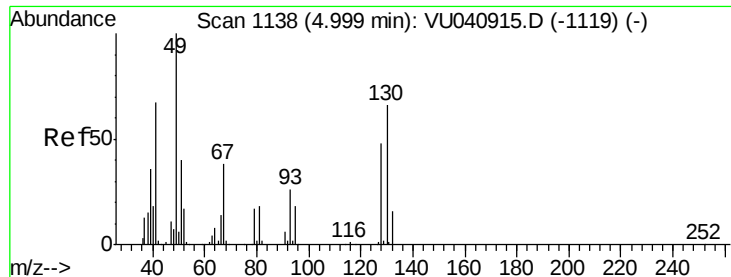
10/26/2020 4:24:25 PM



#38
 1,2-Dichloropropane
 Concen: 10.044 ug/l
 RT: 6.81 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VU040932.D
 Acq: 23 Oct 2020 13:01

Tgt Ion	Ratio	Lower	Upper
63	100		
65	29.6	26.2	39.2





#39
Methacrylonitrile
Concen: 9.429 ug/l
RT: 5.00 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VU040932.D
Acq: 23 Oct 2020 13:01

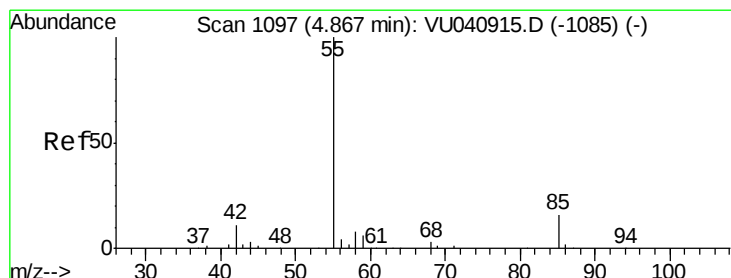
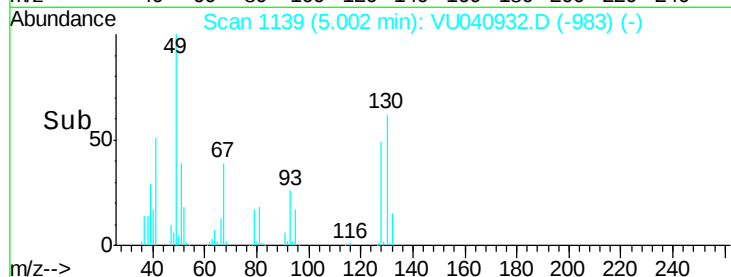
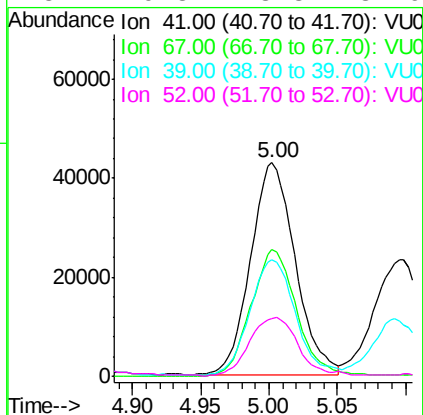
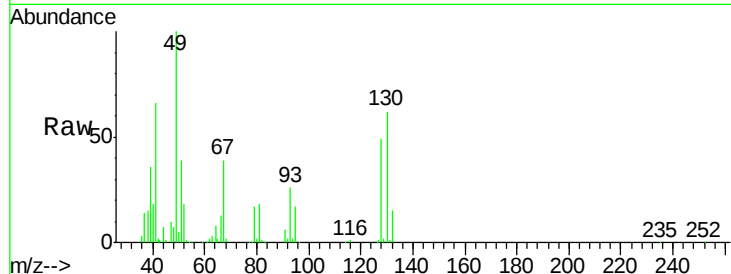
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	41	Resp	97286
Ion	Ratio	Lower	Upper
41	100		
67	61.0	48.7	73.1
39	55.4	44.6	67.0
52	29.8	23.3	34.9

Manual Integrations
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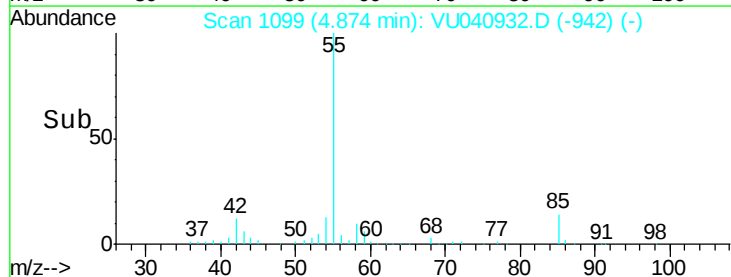
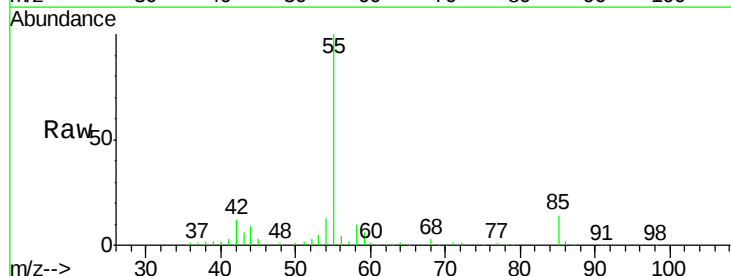
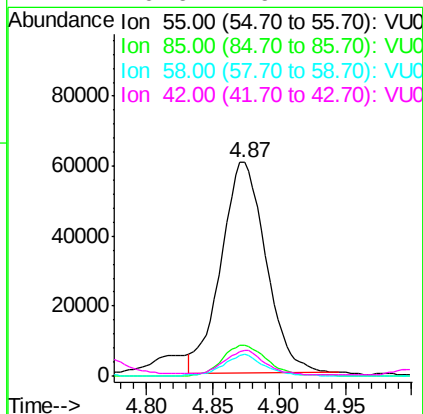
MMDadoda

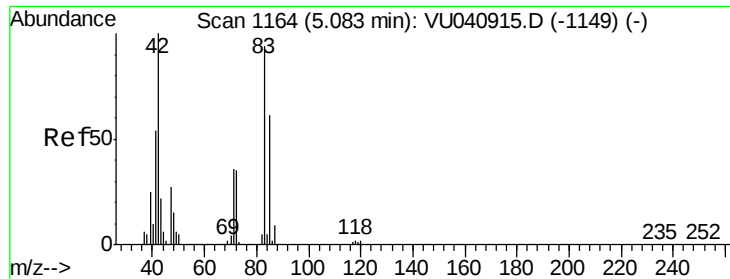
10/26/2020 4:24:25 PM



#40
Methyl acrylate
Concen: 10.069 ug/l
RT: 4.87 min Scan# 1099
Delta R.T. 0.01 min
Lab File: VU040932.D
Acq: 23 Oct 2020 13:01

Tgt Ion	55	Resp	142456
Ion	Ratio	Lower	Upper
55	100		
85	14.3	12.2	18.2
58	9.5	6.8	10.2
42	10.6	9.4	14.2





#41
Tetrahydrofuran
Concen: 18.613 ug/l
RT: 5.09 min Scan# 1167
Delta R.T. 0.01 min
Lab File: VU040932.D
Acq: 23 Oct 2020 13:01

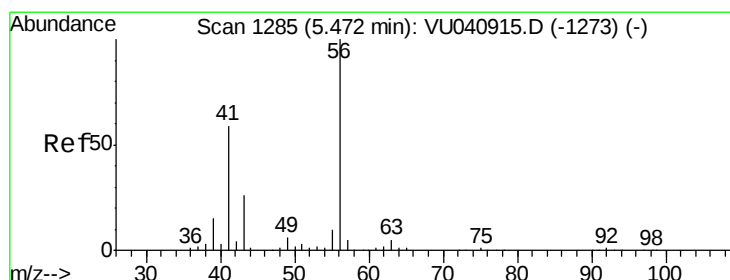
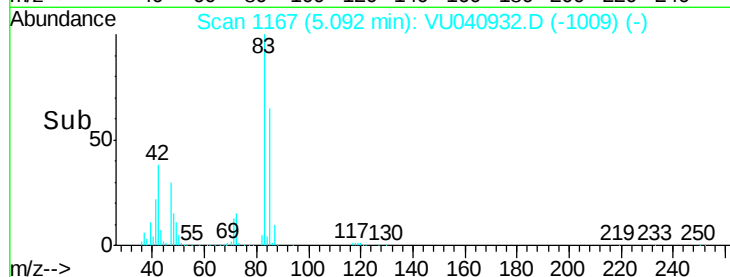
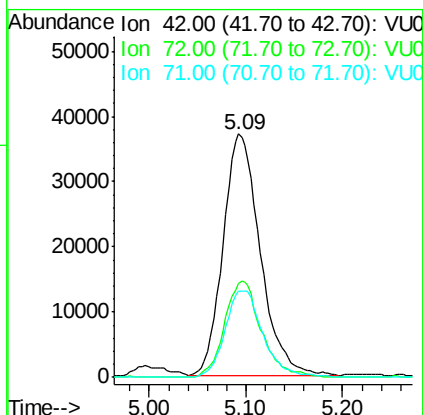
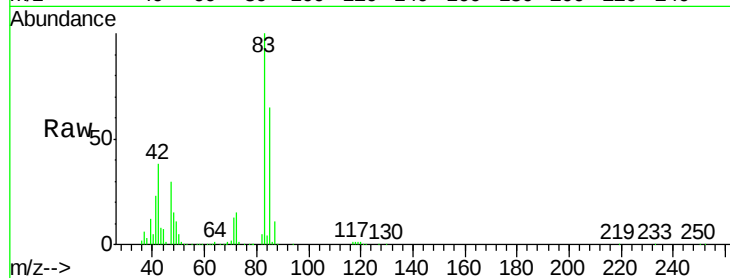
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.6	30.1	45.1
71	36.8	27.9	41.9

Manual Integrations
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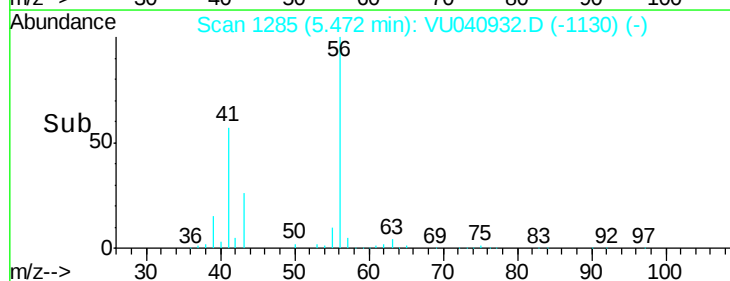
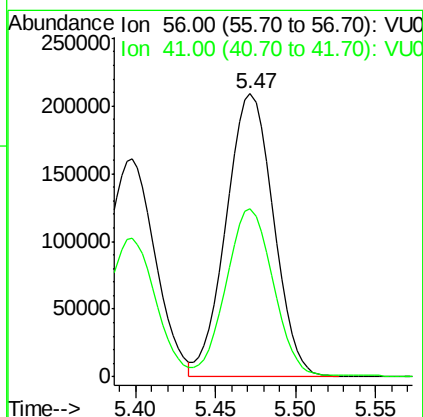
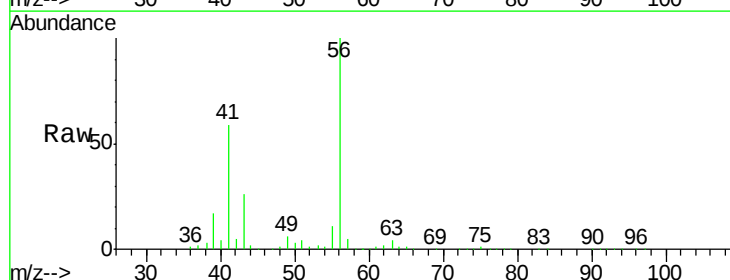
MMDadoda

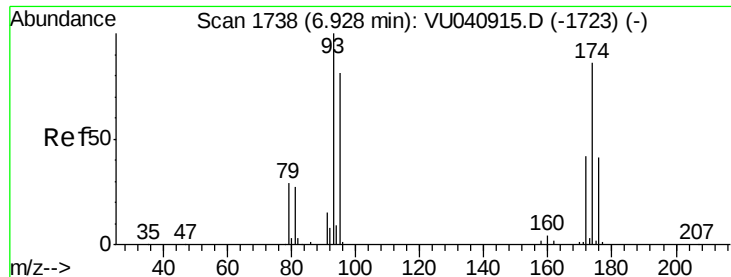
10/26/2020 4:24:25 PM



#42
1-Chlorobutane
Concen: 9.901 ug/l
RT: 5.47 min Scan# 1285
Delta R.T. -0.00 min
Lab File: VU040932.D
Acq: 23 Oct 2020 13:01

Tgt Ion	Ratio	Lower	Upper
56	100		
41	58.3	29.6	88.8





#43

Dibromomethane

Concen: 9.733 ug/l

RT: 6.93 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VU040932.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 93 Resp: 120397

Ion Ratio Lower Upper

93 100

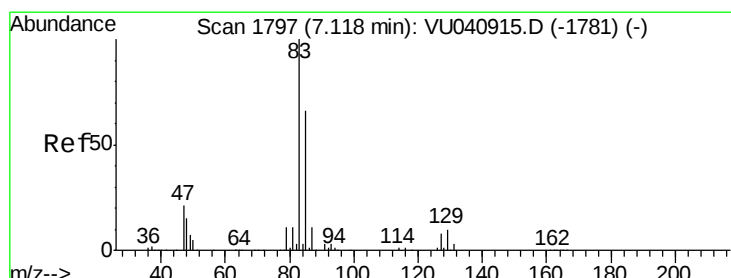
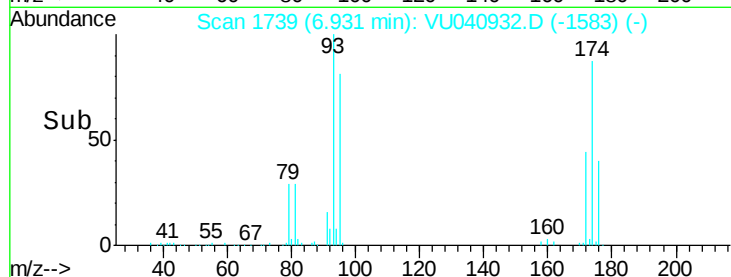
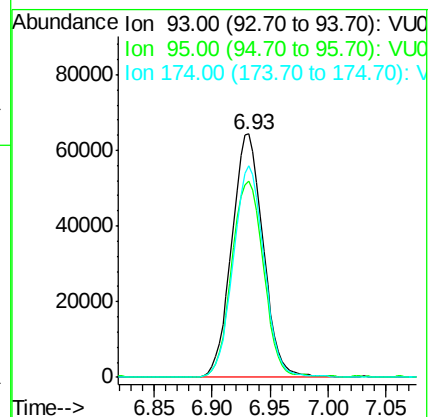
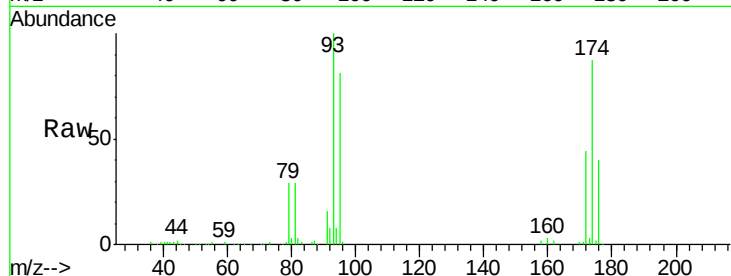
95 82.3 66.3 99.5

174 85.1 70.4 105.6

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#44

Bromodichloromethane

Concen: 9.953 ug/l

RT: 7.12 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VU040932.D

Acq: 23 Oct 2020 13:01

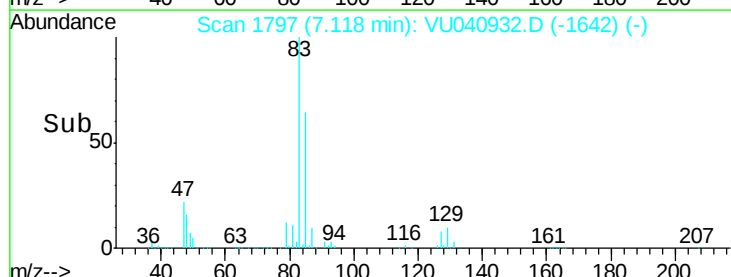
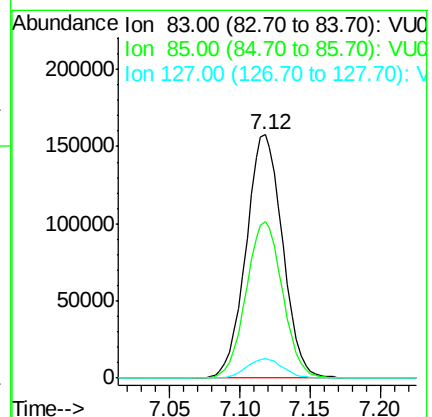
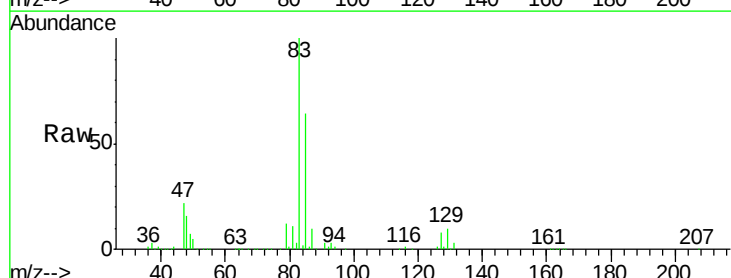
Tgt Ion: 83 Resp: 285861

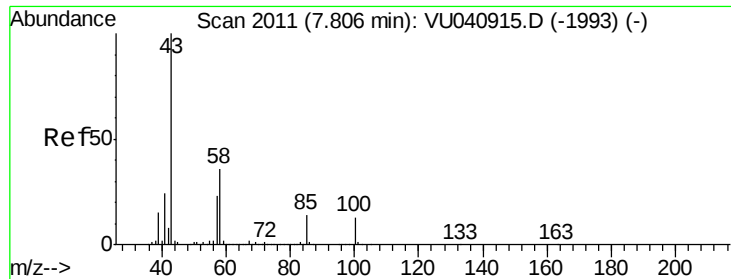
Ion Ratio Lower Upper

83 100

85 64.2 52.6 78.8

127 7.9 6.4 9.6





#45
4-Methyl-2-Pentanone
Concen: 55.206 ug/l
RT: 7.81 min Scan# 2012
Delta R.T. 0.00 min
Lab File: VU040932.D
Acq: 23 Oct 2020 13:01

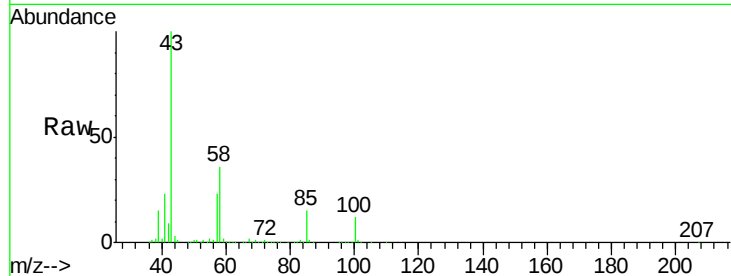
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion:	43	Resp:	896547
Ion	Ratio	Lower	Upper
43	100		
58	35.8	17.8	53.5
85	14.6	11.4	17.2

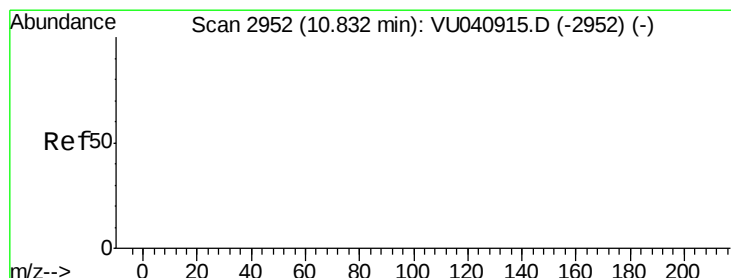
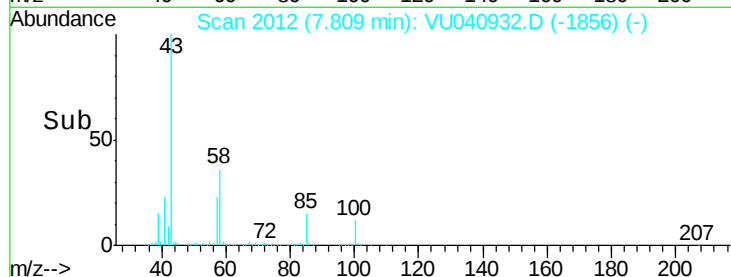
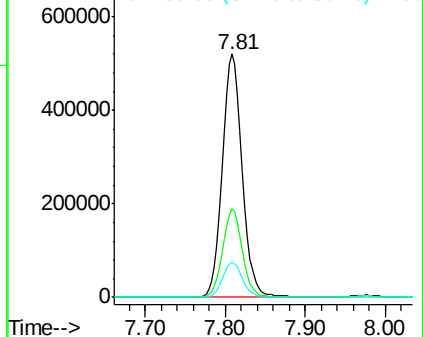
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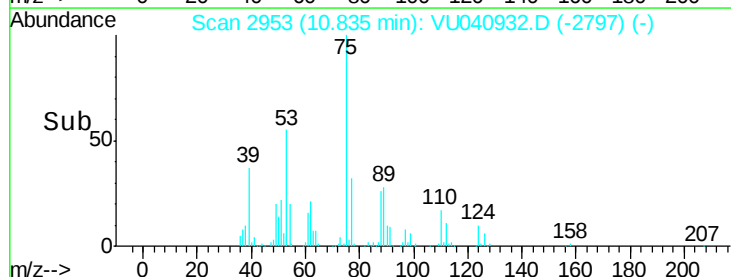
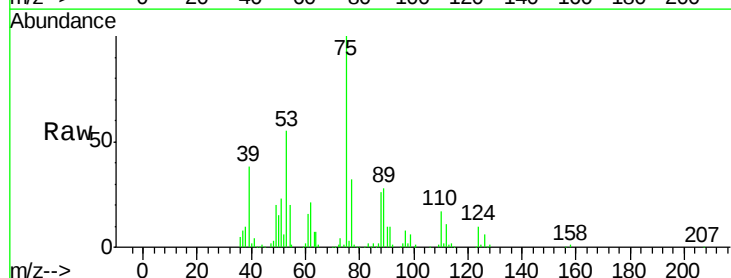
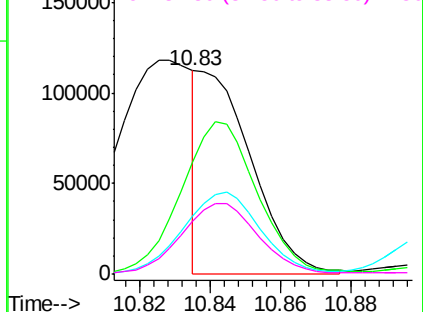
Abundance Ion 43.00 (42.70 to 43.70): VU040932.D (-1856) (-)
Ion 58.00 (57.70 to 58.70): VU040932.D (-1856) (-)
Ion 85.00 (84.70 to 85.70): VU040932.D (-1856) (-)

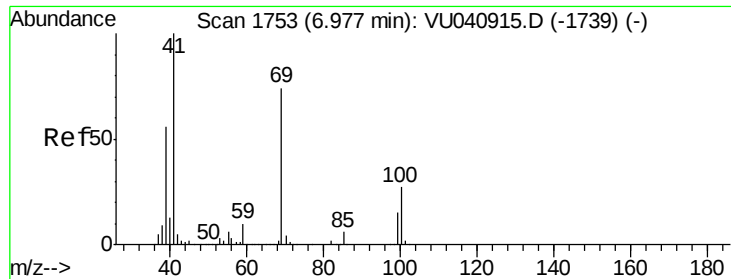


#46
t-1,4-Dichloro-2-butene
Concen: 18.056 ug/l m
RT: 10.83 min Scan# 2953
Delta R.T. 0.00 min
Lab File: VU040932.D
Acq: 23 Oct 2020 13:01

Tgt Ion:	75	Resp:	115954
Ion	Ratio	Lower	Upper
75	100		
53	109.8	73.0	109.4#
89	60.2	41.7	62.5
88	52.0	34.4	51.6#

Abundance Ion 74.90 (74.60 to 75.60): VU040932.D (-2797) (-)
Ion 53.00 (52.70 to 53.70): VU040932.D (-2797) (-)
Ion 88.80 (88.50 to 89.50): VU040932.D (-2797) (-)
Ion 87.80 (87.50 to 88.50): VU040932.D (-2797) (-)





#47
Methvl methacrylate
Concen: 21.831 ug/l
RT: 6.98 min Scan# 1754
Delta R.T. 0.00 min
Lab File: VU040932.D
Acq: 23 Oct 2020 13:01

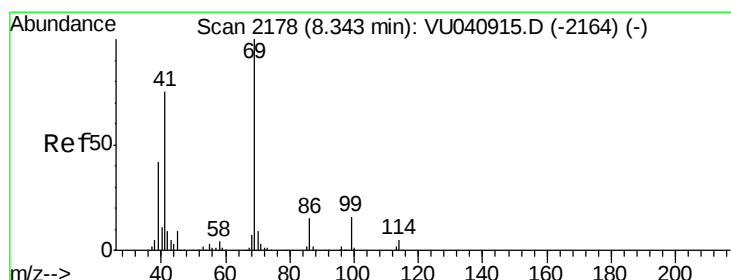
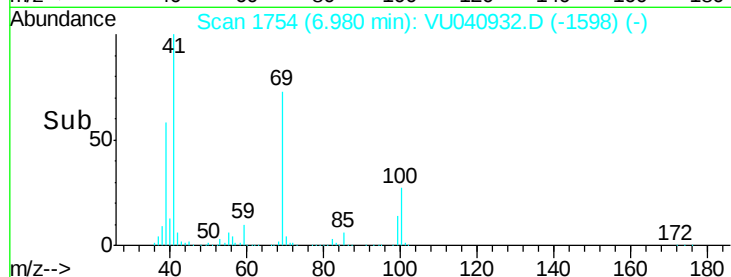
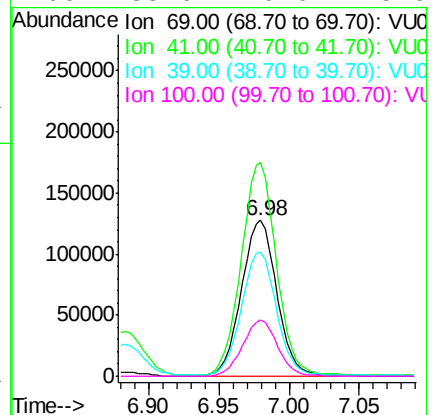
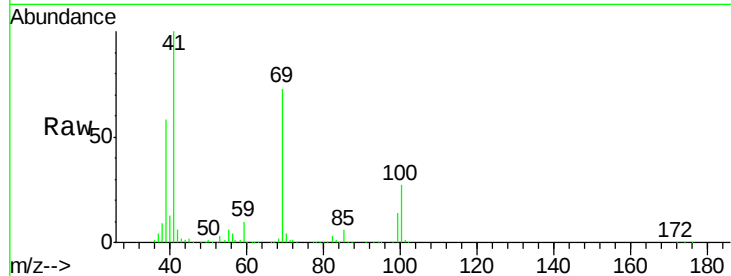
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	135.0	0.0	270.2		
39	78.1	61.6	92.4		
100	35.6	29.0	43.6		

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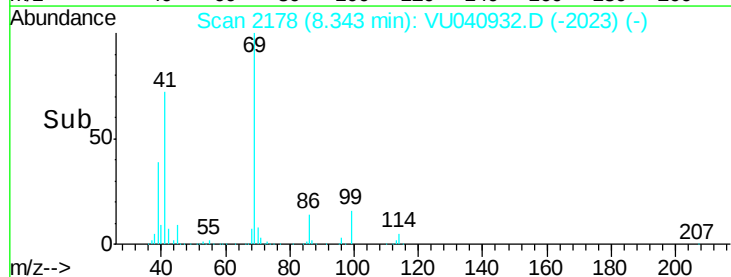
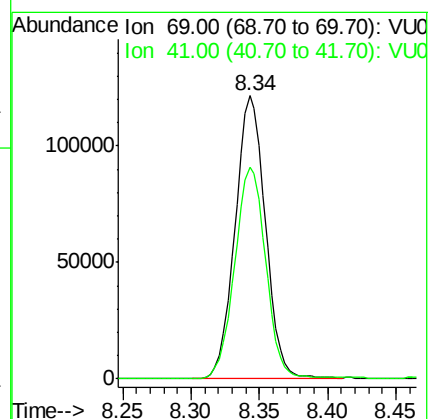
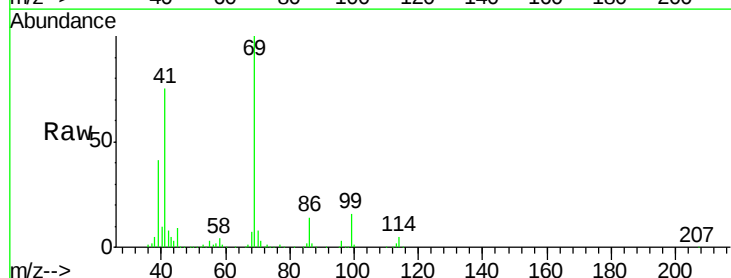
MMDadoda

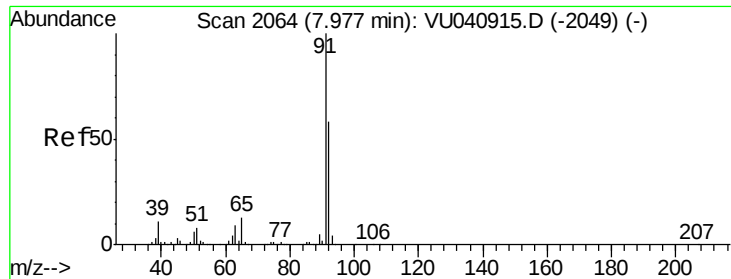
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#48
Ethyl methacrylate
Concen: 10.837 ug/l
RT: 8.34 min Scan# 2178
Delta R.T. -0.00 min
Lab File: VU040932.D
Acq: 23 Oct 2020 13:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	76.2	37.6	112.9		





#49

Toluene

Concen: 10.752 ug/l

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU040932.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 92 Resp: 460017

Ion Ratio Lower Upper

92 100

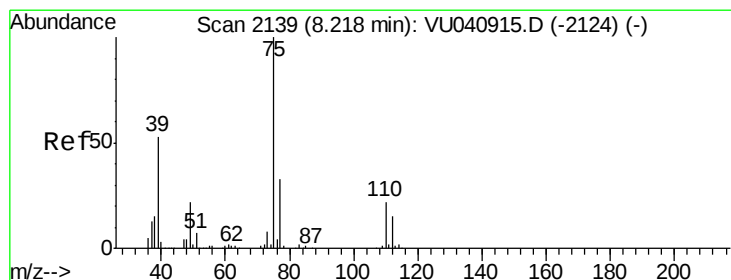
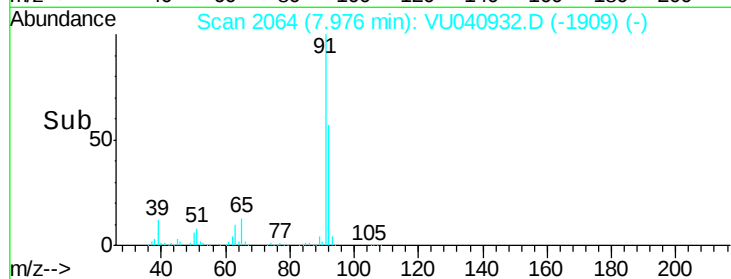
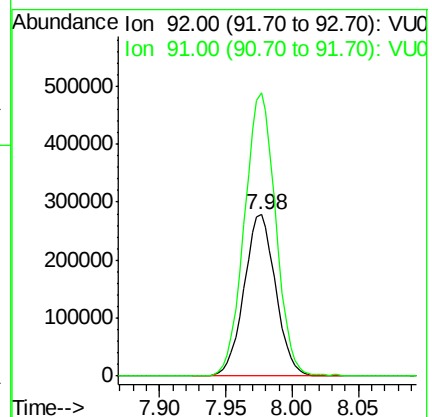
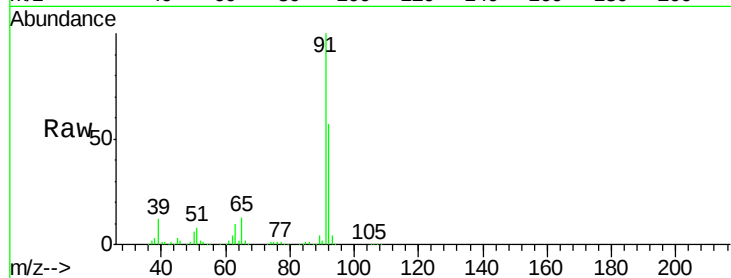
91 174.6 136.8 205.2

Manual Integrations

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#50

t-1,3-Dichloropropene

Concen: 10.515 ug/l

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU040932.D

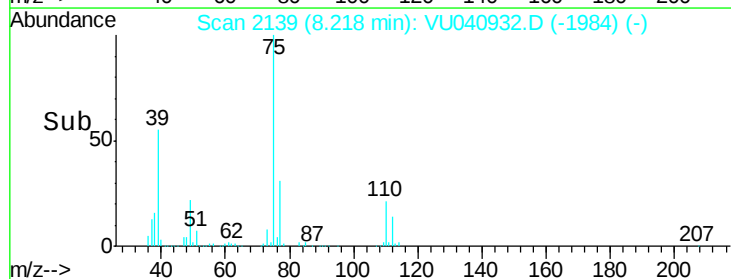
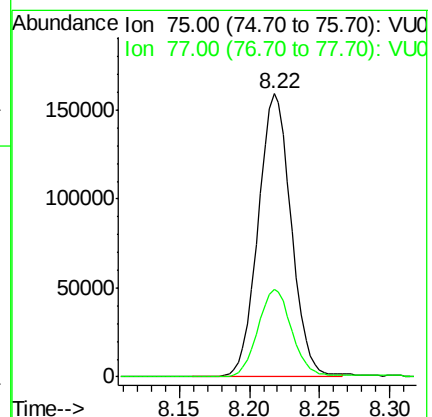
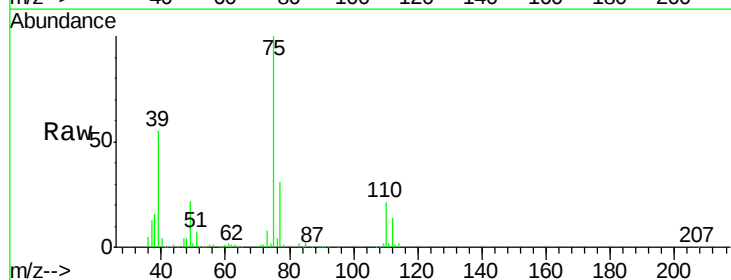
Acq: 23 Oct 2020 13:01

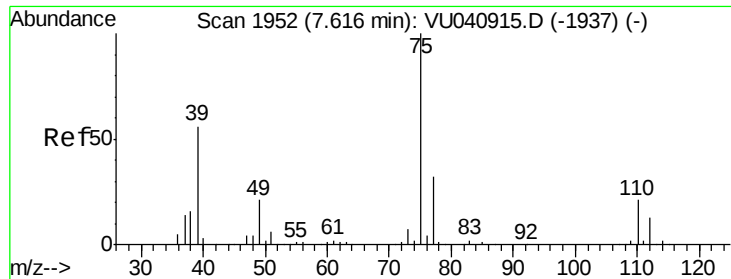
Tgt Ion: 75 Resp: 261002

Ion Ratio Lower Upper

75 100

77 30.8 26.2 39.4





#51
 cis-1,3-Dichloropropene
 Concen: 10.280 ug/l
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU040932.D
 Acq: 23 Oct 2020 13:01

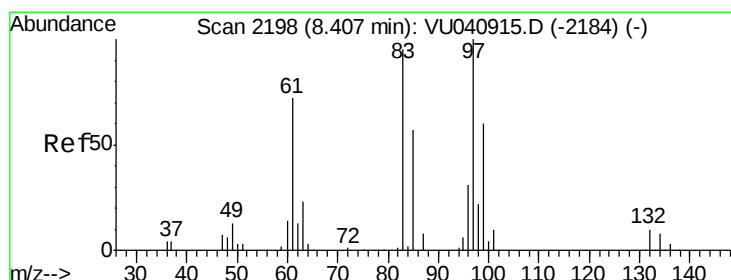
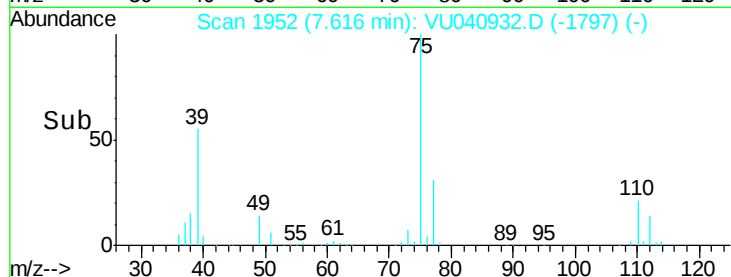
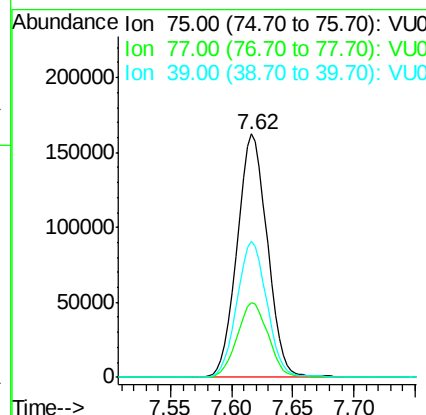
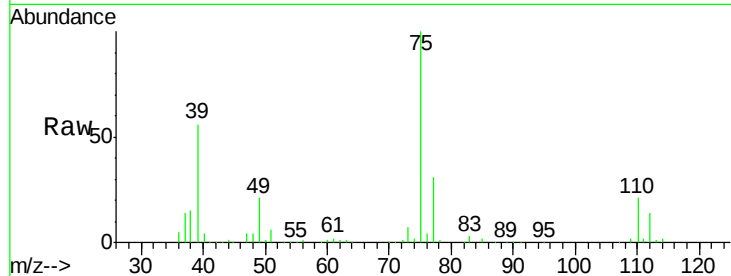
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.4	38.0
39	55.7	44.7	67.1

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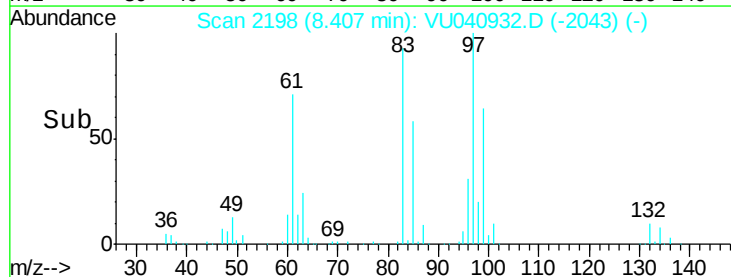
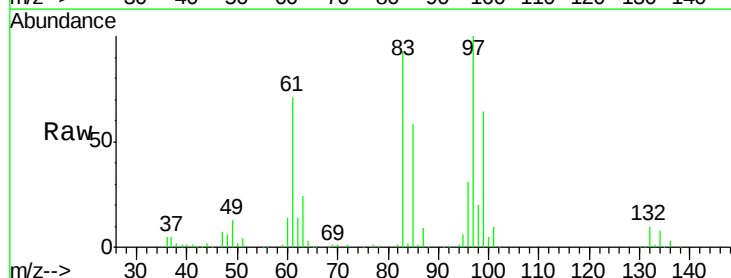
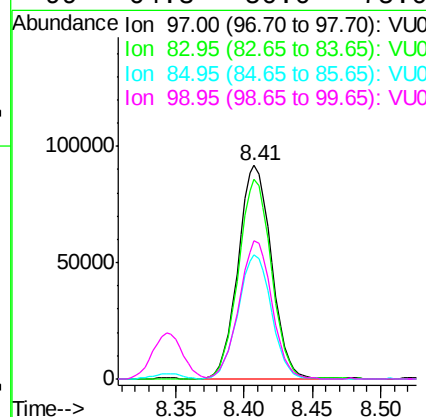
MMDadoda

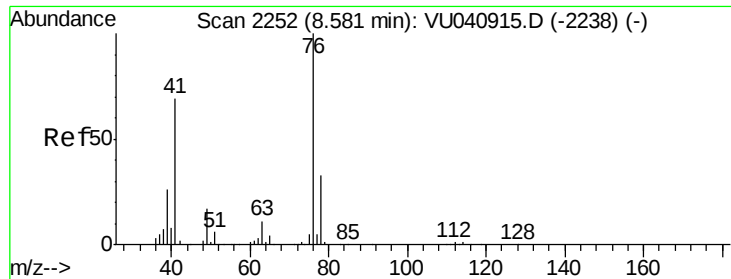
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#52
 1,1,2-Trichloroethane
 Concen: 9.944 ug/l
 RT: 8.41 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU040932.D
 Acq: 23 Oct 2020 13:01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	93.6	75.9	113.9
85	57.8	46.1	69.1
99	64.3	50.0	75.0





#53

1,3-Dichloropropane

Concen: 10.105 ug/l

RT: 8.58 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VU040932.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 283724

Ion Ratio Lower Upper

76 100

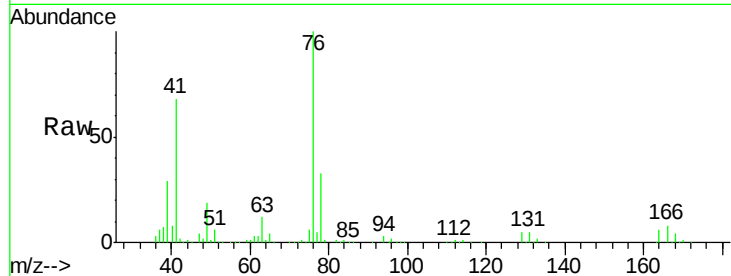
78 32.2 26.6 39.8

Manual Integrations

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Abundance Ion 76.00 (75.70 to 76.70): VU040932.D (-2097) (-)

Ion 78.00 (77.70 to 78.70): VU040932.D (-2097) (-)

200000

150000

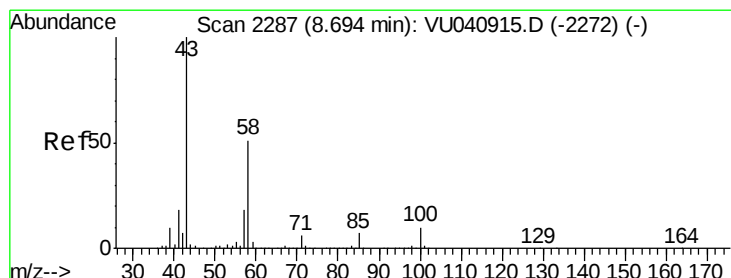
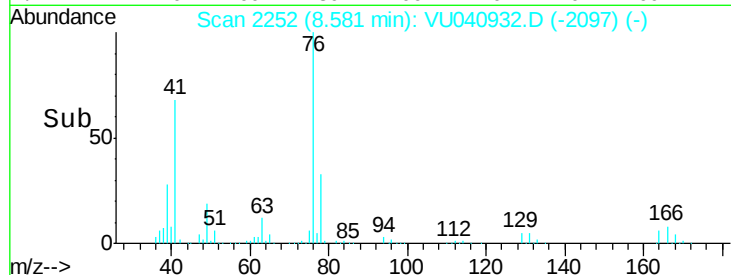
100000

50000

0

8.50 8.55 8.60 8.65

Time-->



#54

2-Hexanone

Concen: 58.532 ug/l

RT: 8.70 min Scan# 2288

Delta R.T. 0.00 min

Lab File: VU040932.D

Acq: 23 Oct 2020 13:01

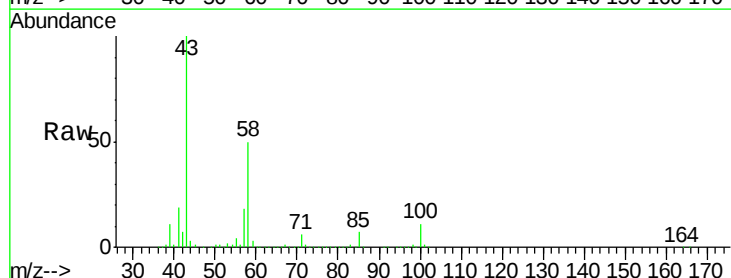
Tgt Ion: 43 Resp: 664103

Ion Ratio Lower Upper

43 100

58 49.8 30.2 70.2

57 17.6 0.0 37.4



Abundance Ion 43.00 (42.70 to 43.70): VU040932.D (-2132) (-)

Ion 58.00 (57.70 to 58.70): VU040932.D (-2132) (-)

Ion 57.00 (56.70 to 57.70): VU040932.D (-2132) (-)

500000

400000

300000

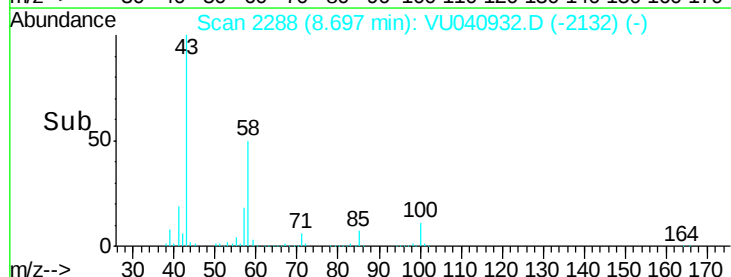
200000

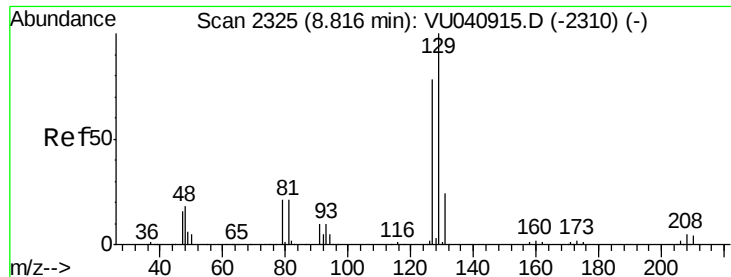
100000

0

8.60 8.65 8.70 8.75 8.80

Time-->





#55
Dibromochloromethane
Concen: 9.780 ug/l
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU040932.D
Acq: 23 Oct 2020 13:01

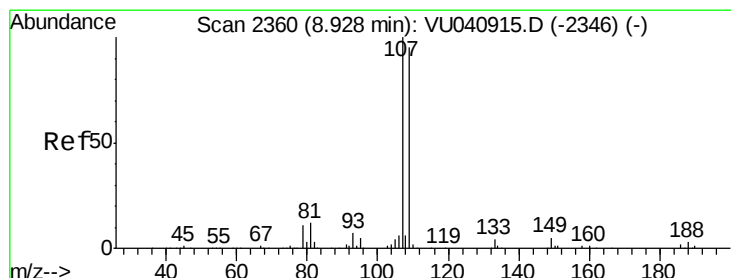
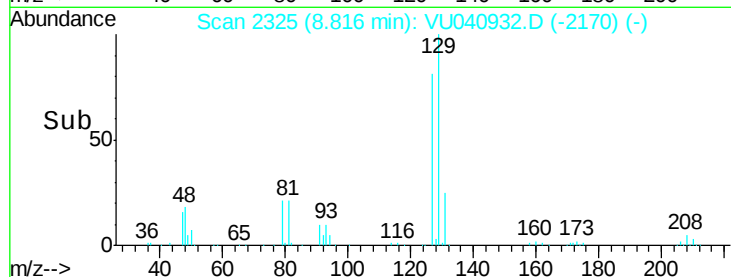
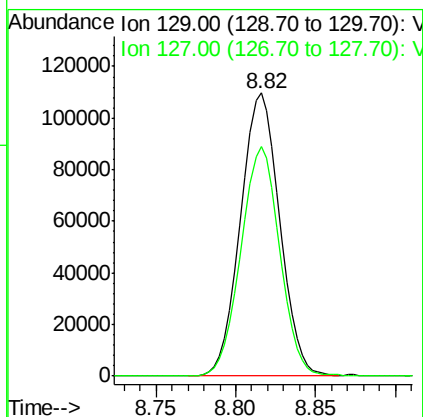
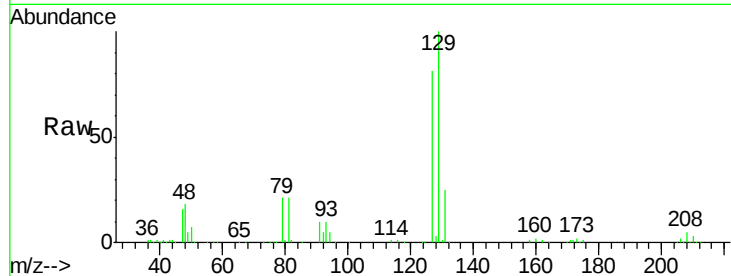
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
129	100			
127	80.4	63.1	94.7	

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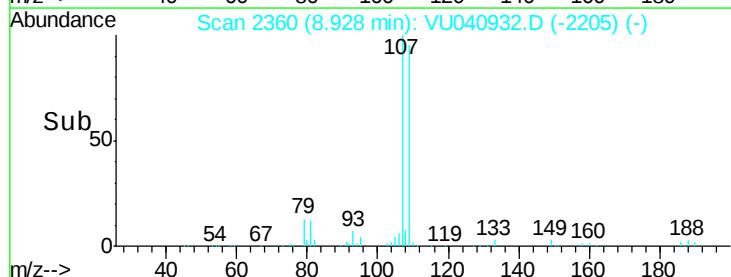
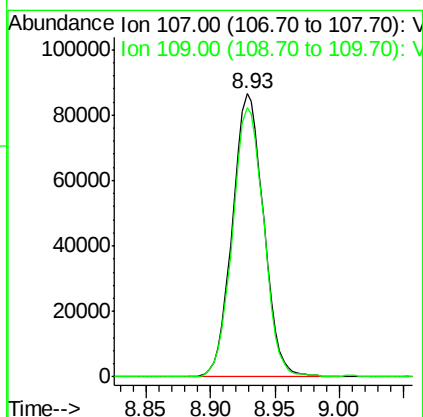
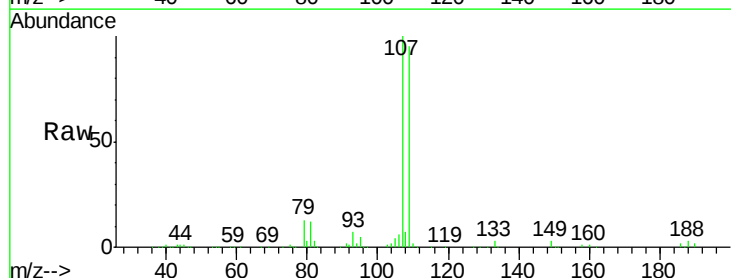
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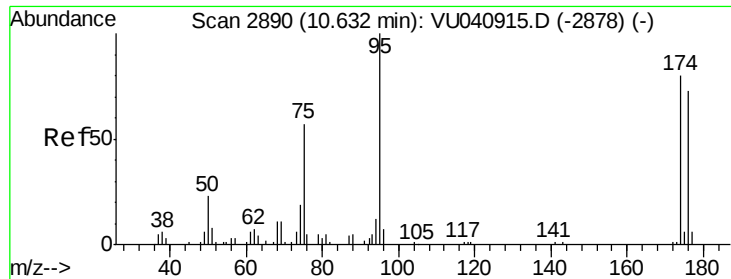
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#56
1,2-Dibromoethane
Concen: 10.058 ug/l
RT: 8.93 min Scan# 2360
Delta R.T. -0.00 min
Lab File: VU040932.D
Acq: 23 Oct 2020 13:01

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
109	95.0	0.0	190.4	





#57

4-Bromofluorobenzene

Concen: 1.066 ug/l

RT: 10.63 min Scan# 2890

Delta R.T. -0.00 min

Lab File: VU040932.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_U

ClientSampleId :

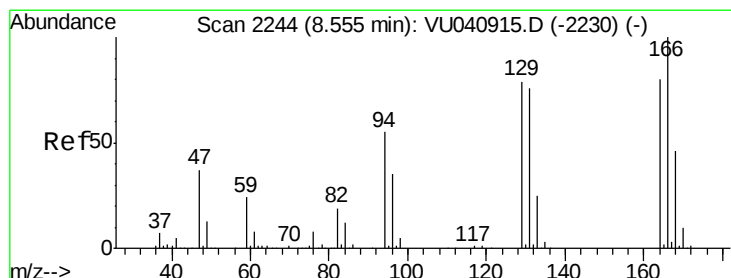
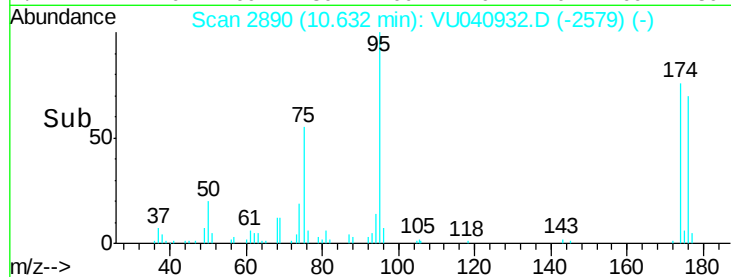
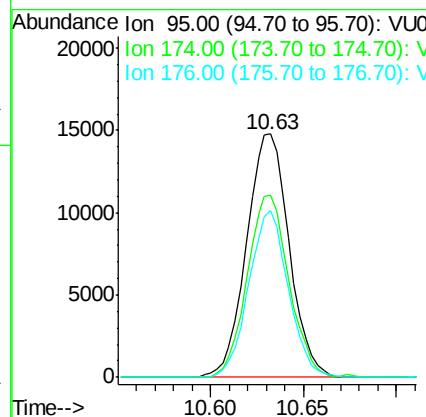
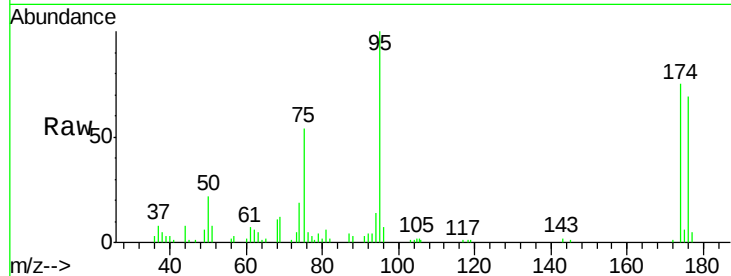
VSTDCCC010EC

Tot Ion:	95	Resp:	23623
Ion	Ratio	Lower	Upper
95	100		
174	73.0	60.3	90.5
176	63.7	55.6	83.4

Manual Integrations
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#58

Tetrachloroethene

Concen: 10.007 ug/l

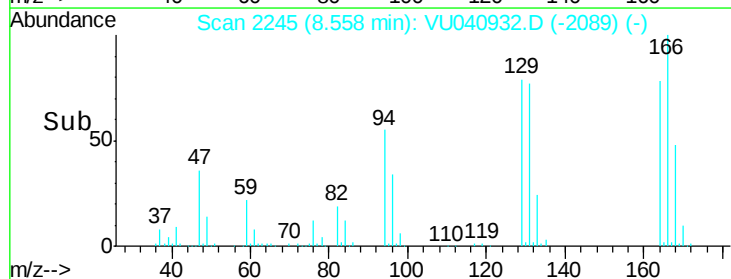
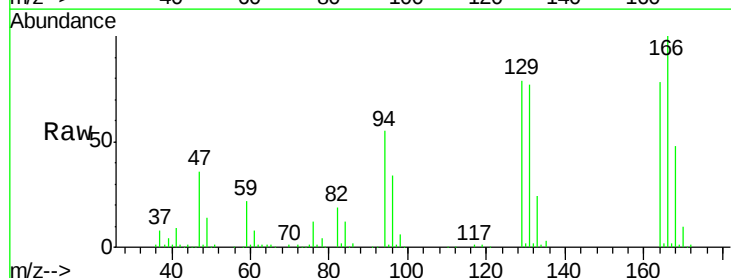
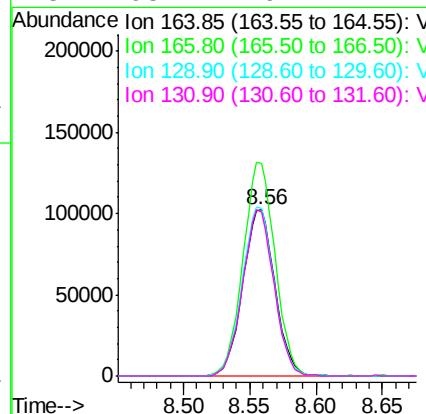
RT: 8.56 min Scan# 2245

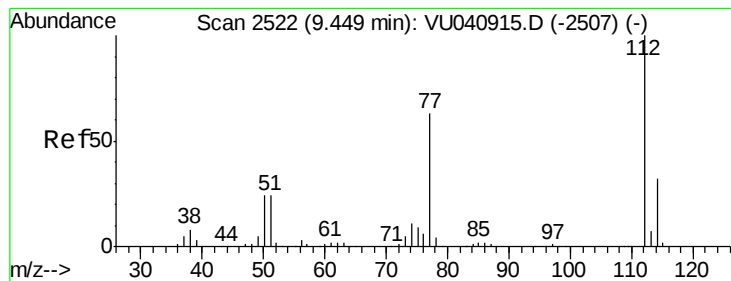
Delta R.T. 0.00 min

Lab File: VU040932.D

Acq: 23 Oct 2020 13:01

Tgt Ion:	164	Resp:	172043
Ion	Ratio	Lower	Upper
164	100		
166	128.3	100.3	150.5
129	100.9	79.4	119.0
131	98.7	76.2	114.4





#59

Chlorobenzene

Concen: 10.412 ug/l

RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VU040932.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:112 Resp: 471608

Ion Ratio Lower Upper

112 100

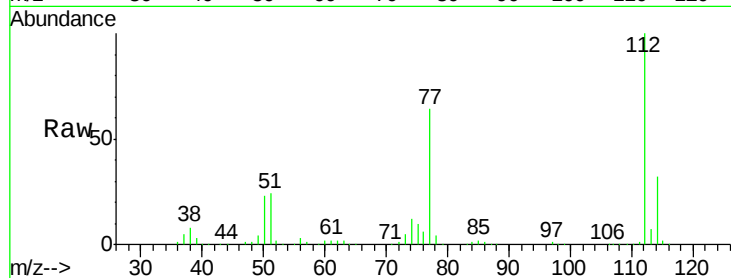
114 31.6 25.8 38.8

Manual Integrations

APPROVED

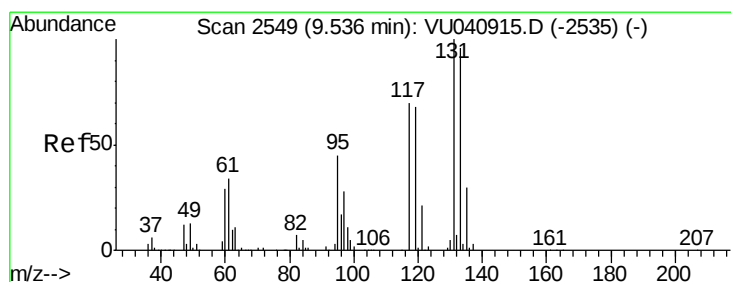
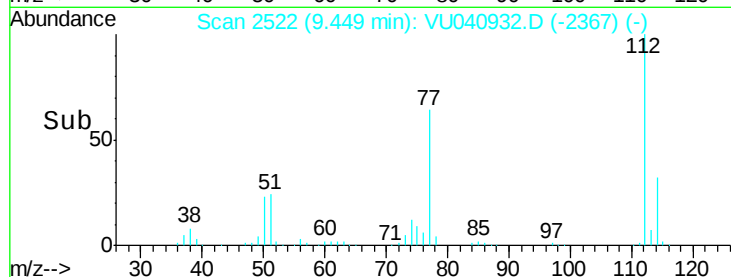
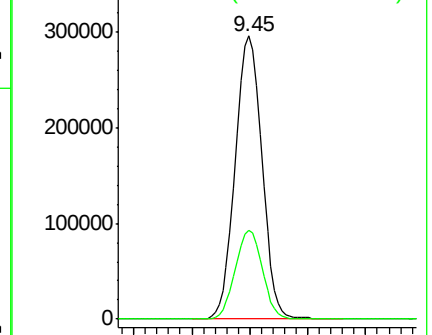
MMDadoda

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#60

1,1,1,2-Tetrachloroethane

Concen: 10.140 ug/l

RT: 9.54 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VU040932.D

Acq: 23 Oct 2020 13:01

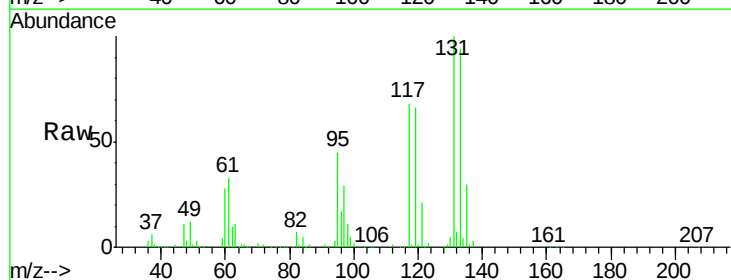
Tgt Ion:131 Resp: 180458

Ion Ratio Lower Upper

131 100

133 95.1 77.4 116.0

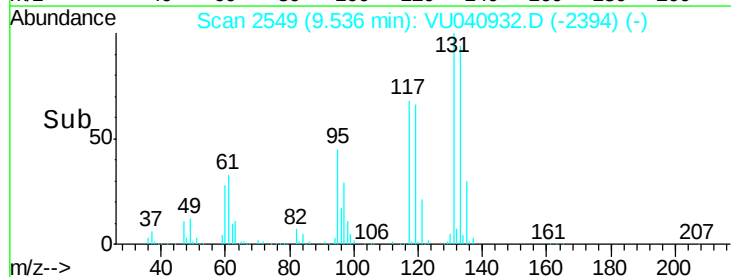
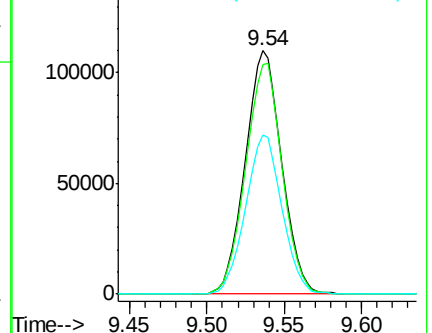
119 65.3 53.5 80.3

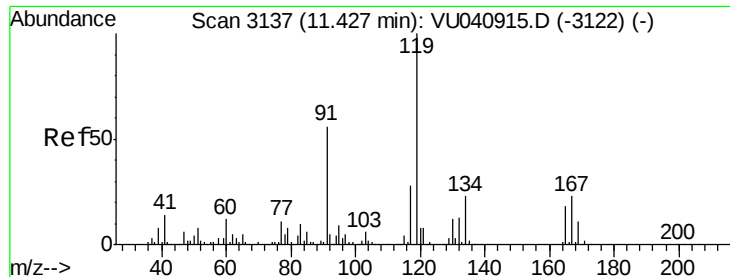


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#61
 Pentachloroethane
 Concen: 9.811 ug/l
 RT: 11.42 min Scan# 3136
 Delta R.T. -0.00 min
 Lab File: VU040932.D
 Acq: 23 Oct 2020 13:01

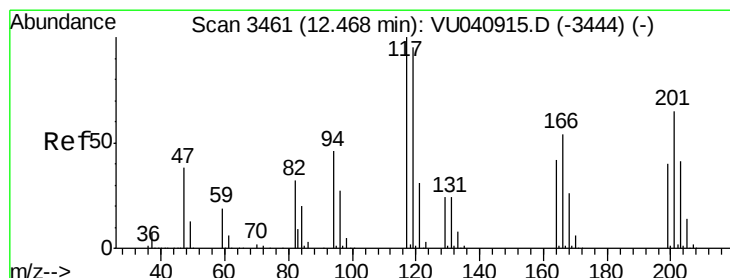
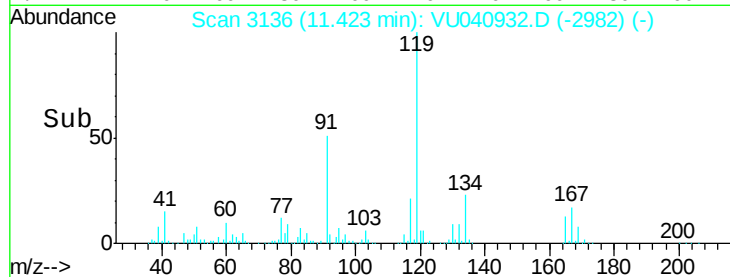
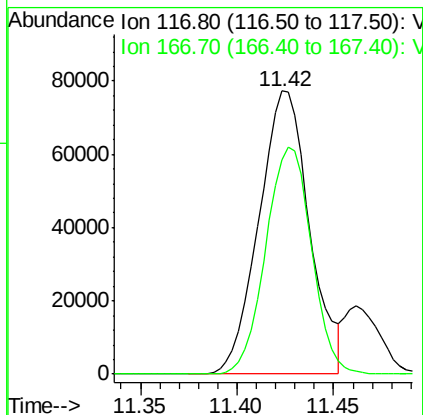
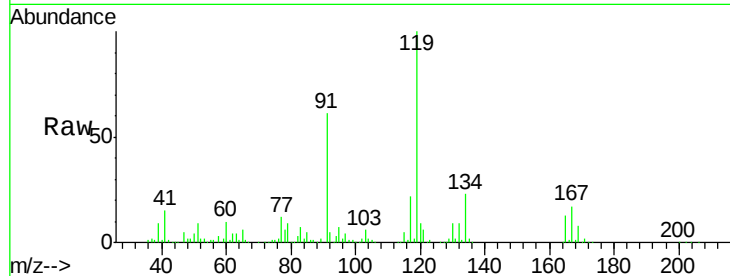
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:117 Resp: 141035
 Ion Ratio Lower Upper
 117 100
 167 72.6 59.4 89.2

Manual Integrations
 APPROVED

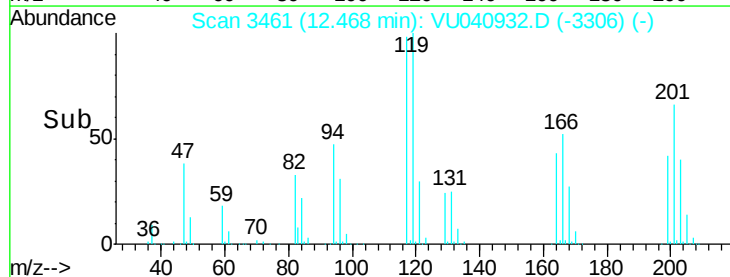
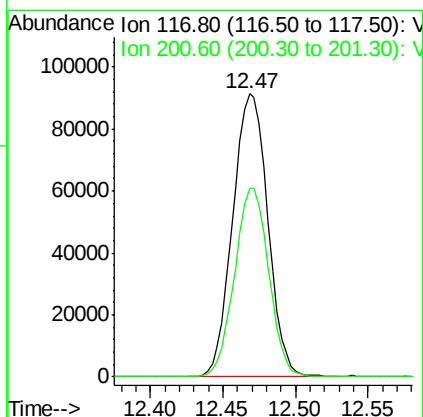
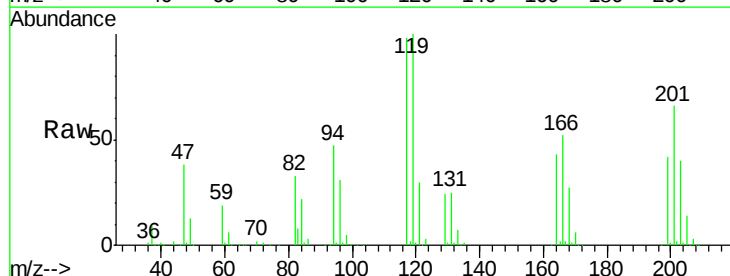
MMDadoda

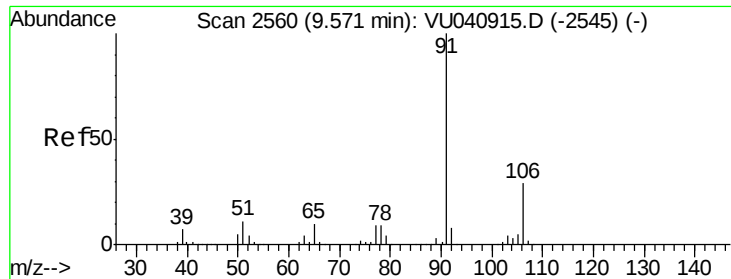
10/26/2020 4:24:25 PM



#62
 Hexachloroethane
 Concen: 10.523 ug/l
 RT: 12.47 min Scan# 3461
 Delta R.T. -0.00 min
 Lab File: VU040932.D
 Acq: 23 Oct 2020 13:01

Tgt Ion:117 Resp: 153951
 Ion Ratio Lower Upper
 117 100
 201 65.0 52.6 78.8





#63

Ethyl Benzene

Concen: 11.306 ug/l

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040932.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 848167

Ion Ratio Lower Upper

91 100

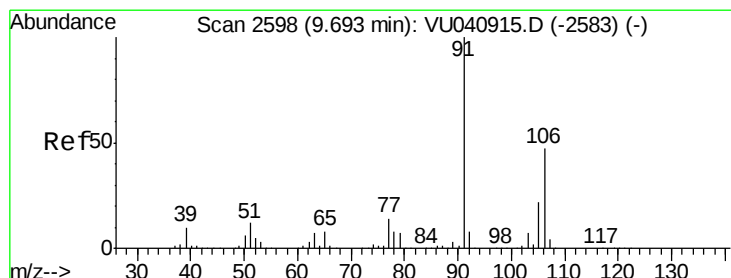
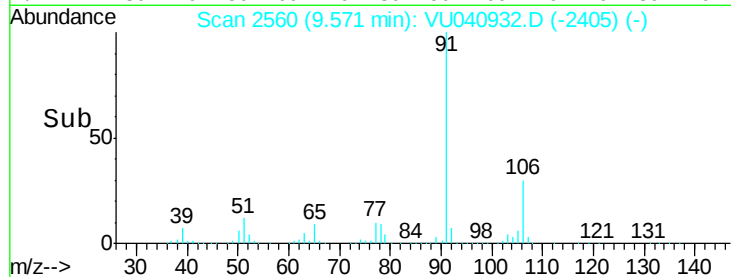
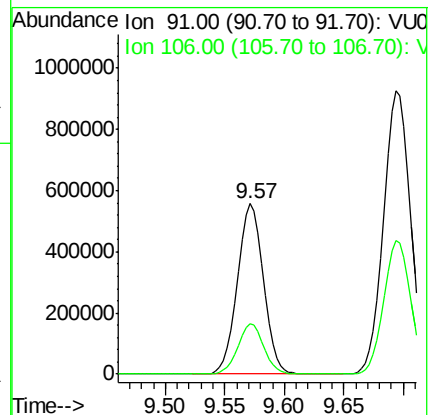
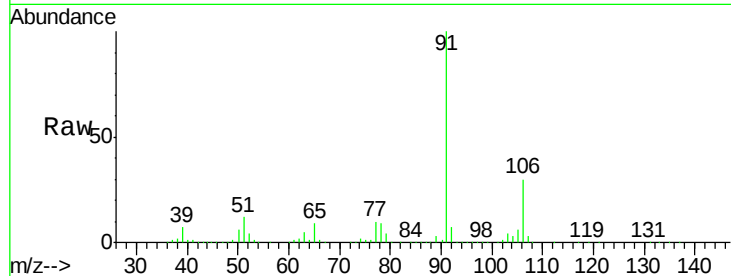
106 29.7 23.5 35.3

Manual Integrations

APPROVED

MMDadoda

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#64

m/p-Xylenes

Concen: 20.671 ug/l

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040932.D

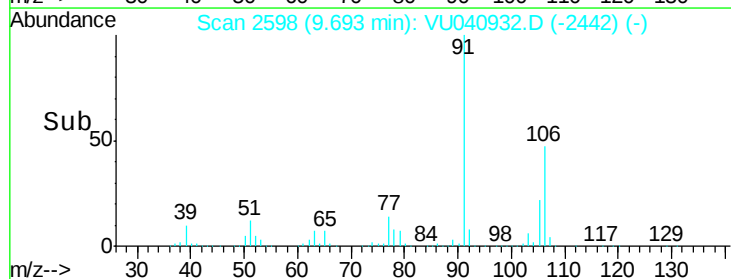
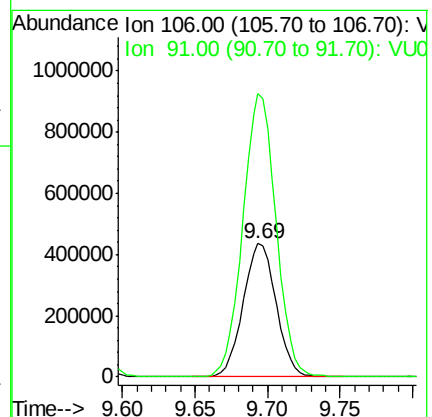
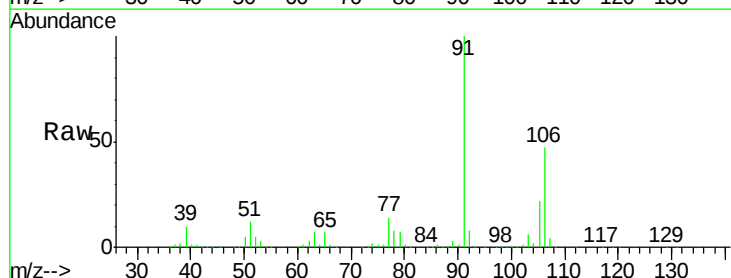
Acq: 23 Oct 2020 13:01

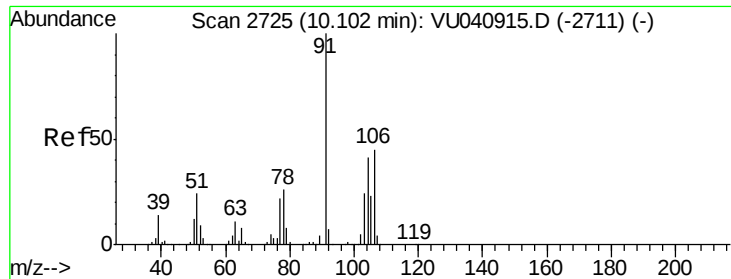
Tgt Ion: 106 Resp: 687142

Ion Ratio Lower Upper

106 100

91 213.3 168.3 252.5





#65
o-Xylene
Concen: 11.604 ug/l
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU040932.D
Acq: 23 Oct 2020 13:01

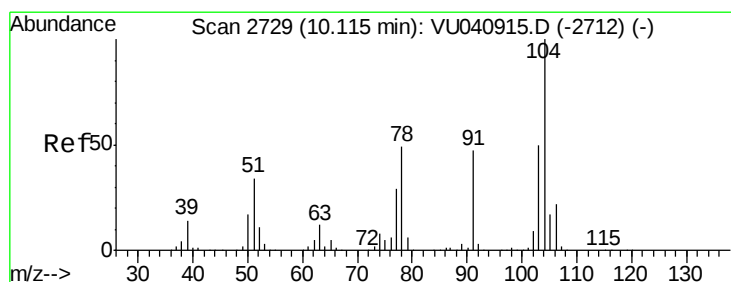
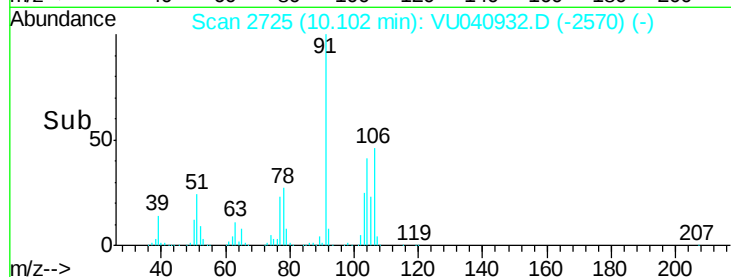
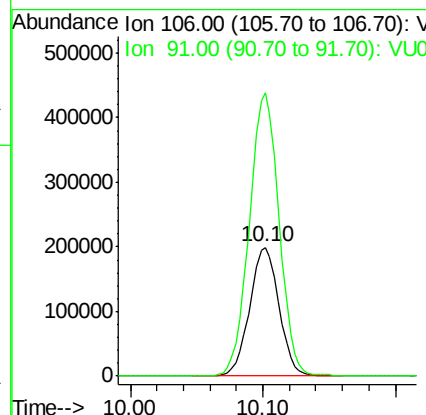
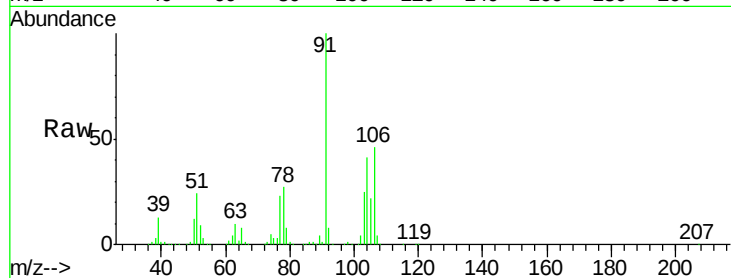
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	223.3	111.3	333.9	

Manual Integrations
APPROVED

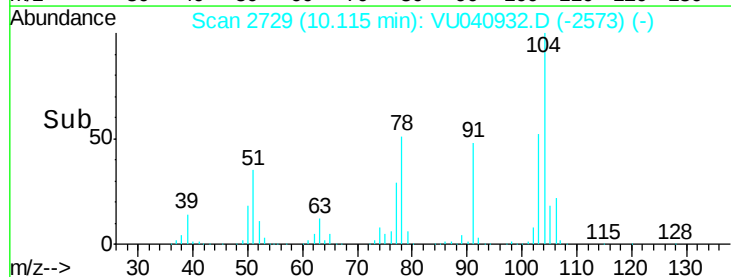
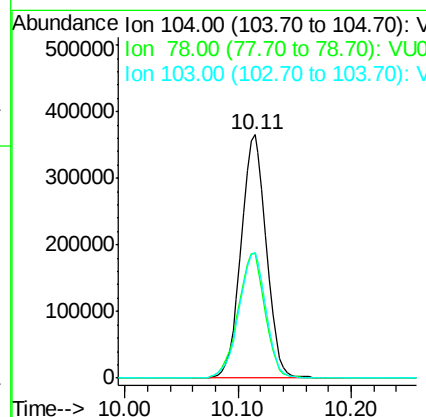
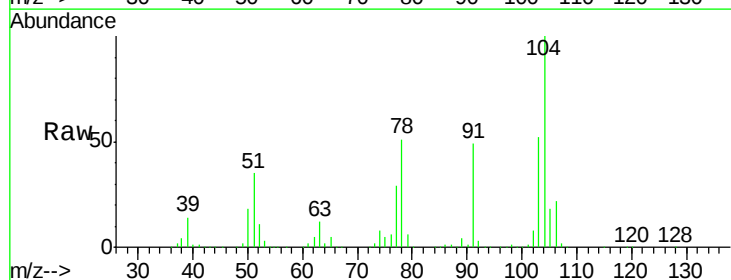
MMDadoda

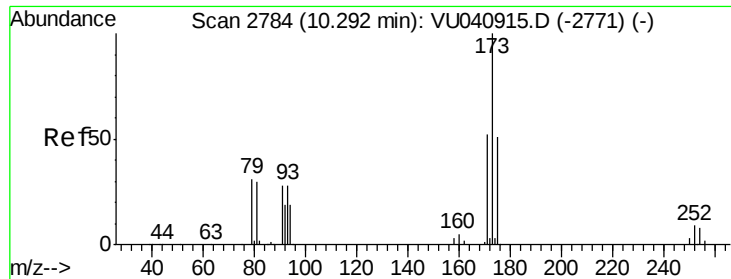
10/26/2020 4:24:25 PM



#66
Styrene
Concen: 10.358 ug/l
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040932.D
Acq: 23 Oct 2020 13:01

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	55.0	43.4	65.0	
103	55.0	43.1	64.7	





#67

Bromoform

Concen: 10.057 ug/l

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU040932.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 102079

Ion Ratio Lower Upper

173 100

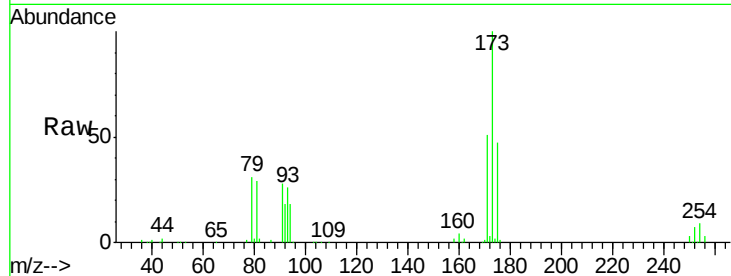
175 47.8 39.0 58.4

254 8.7 6.6 9.8

Manual Integrations
APPROVED

MMDadoda

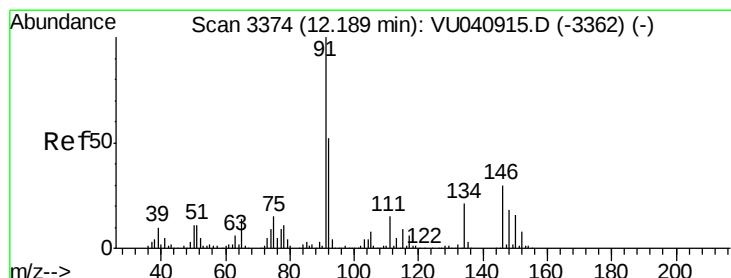
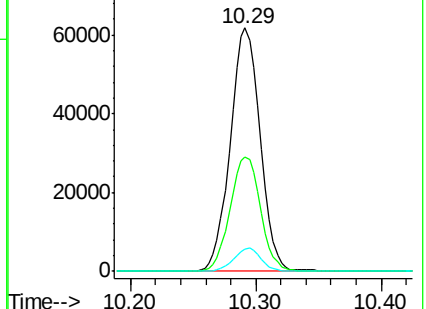
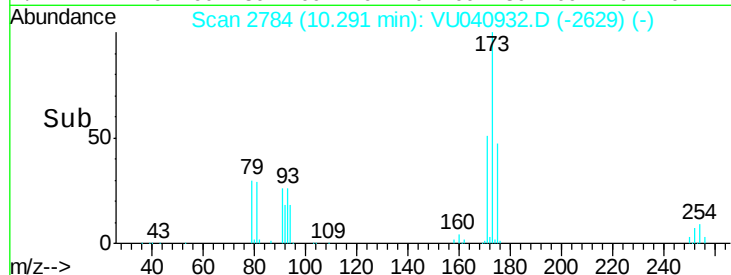
10/26/2020 4:24:25 PM



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 1.046 ug/l

RT: 12.19 min Scan# 3374

Delta R.T. -0.00 min

Lab File: VU040932.D

Acq: 23 Oct 2020 13:01

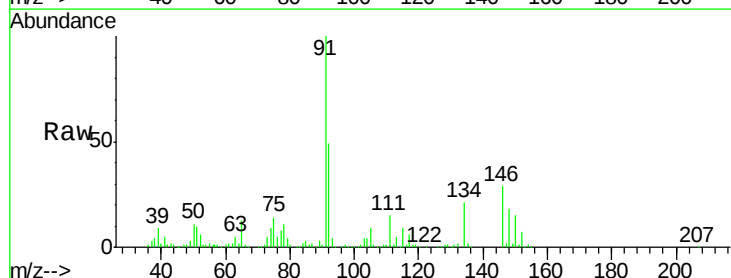
Tgt Ion:152 Resp: 24185

Ion Ratio Lower Upper

152 100

115 165.9 0.0 323.4

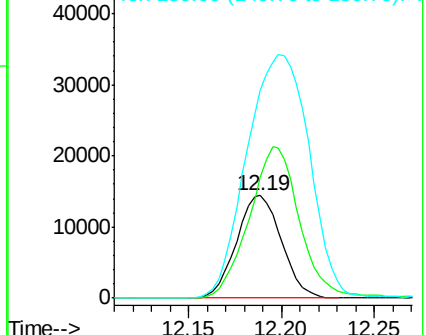
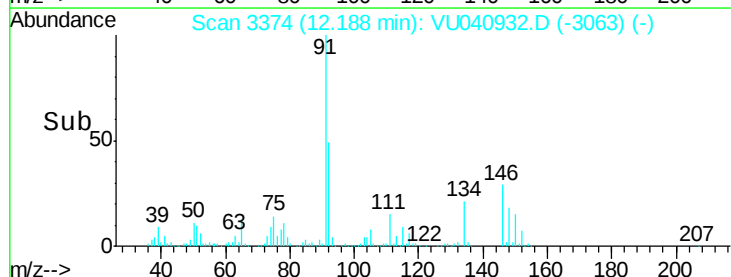
150 331.4 0.0 653.8

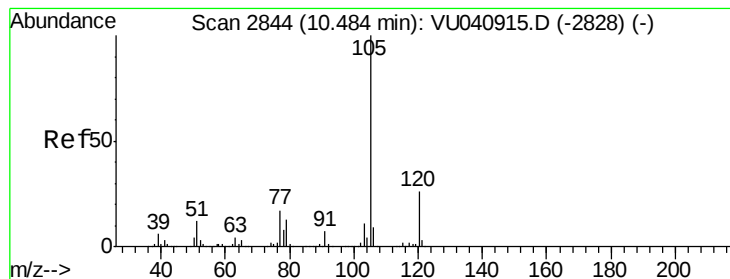


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 11.449 ug/l

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU040932.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 804385

Ion Ratio Lower Upper

105 100

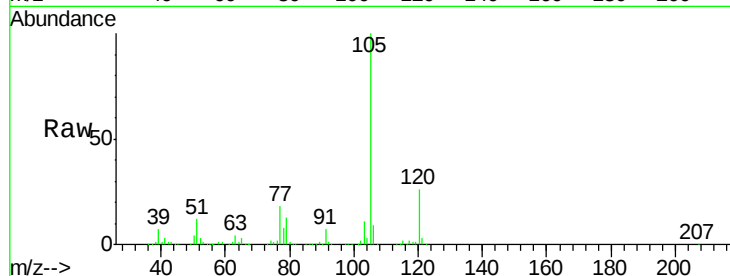
120 25.7 12.9 38.6

Manual Integrations

APPROVED

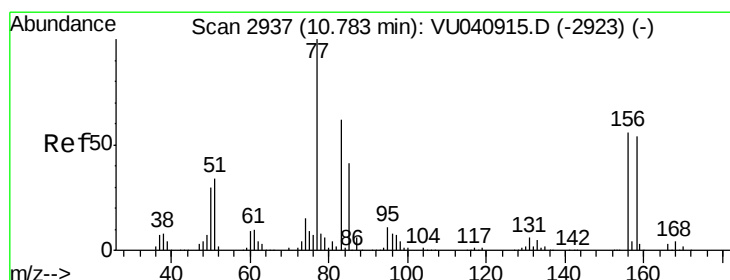
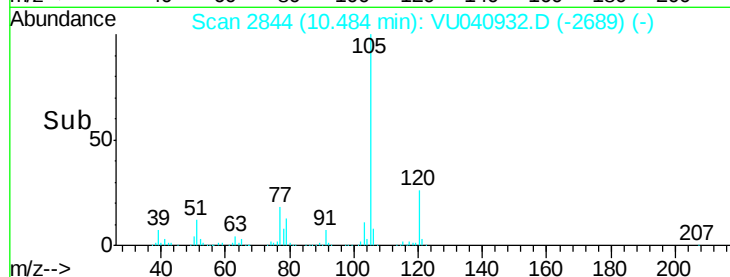
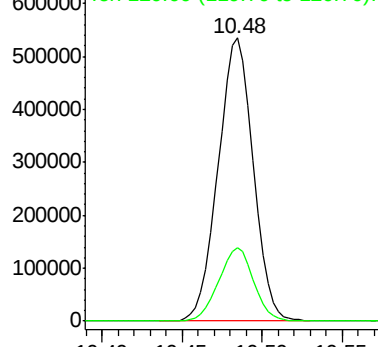
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#70

1,1,2,2-Tetrachloroethane

Concen: 10.105 ug/l

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040932.D

Acq: 23 Oct 2020 13:01

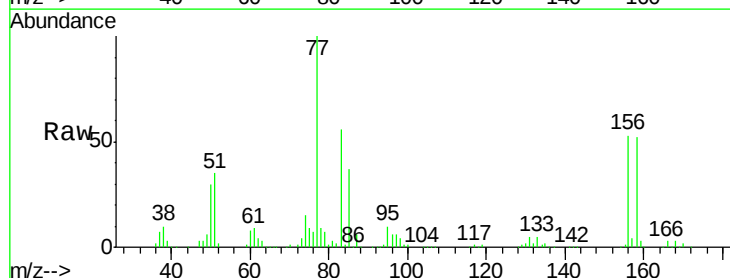
Tgt Ion: 83 Resp: 215024

Ion Ratio Lower Upper

83 100

131 9.4 7.1 10.7

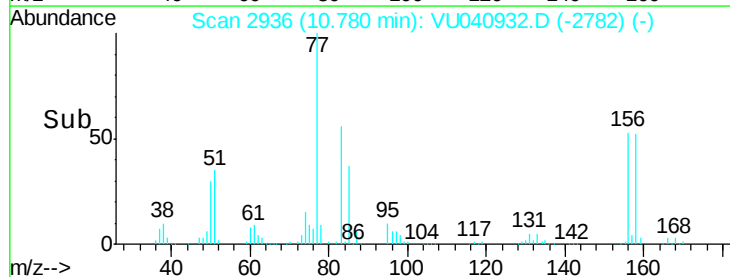
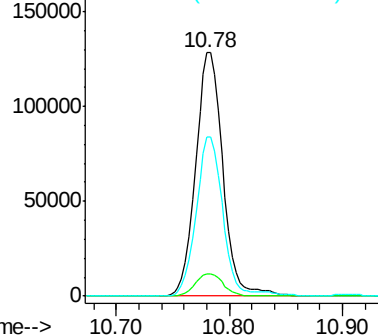
85 64.6 51.8 77.6

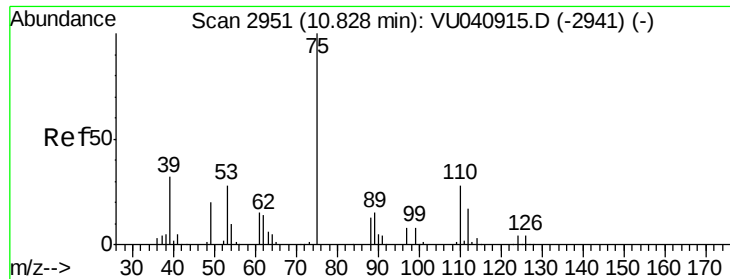


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0





#71
1,2,3-Trichloropropane
Concen: 9.888 ug/l m
RT: 10.83 min Scan# 2951
Delta R.T. -0.00 min
Lab File: VU040932.D
Acq: 23 Oct 2020 13:01

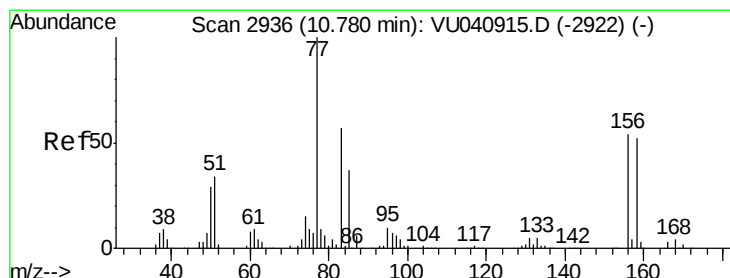
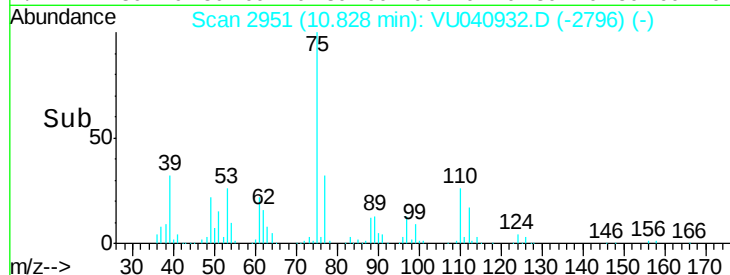
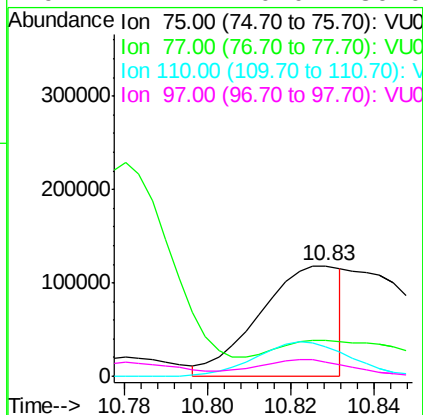
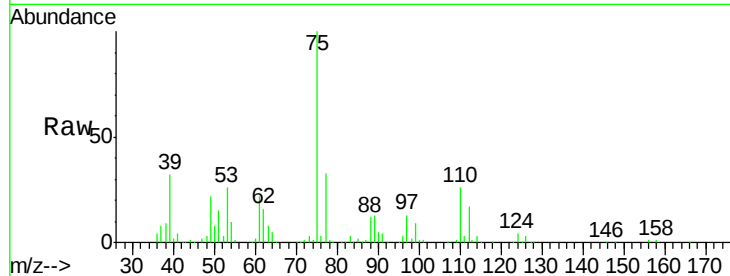
Instrument :
MSVOA_U
ClientSampled :
VSTDCCC010EC

Tot Ion	75	Resp	160406
Ion	Ratio	Lower	Upper
75	100		
77	55.3	0.0	110.8
110	36.7	0.0	73.4
97	17.4	0.0	36.0

Manual Integrations
APPROVED

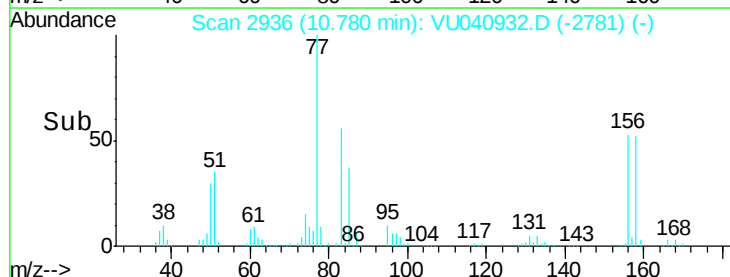
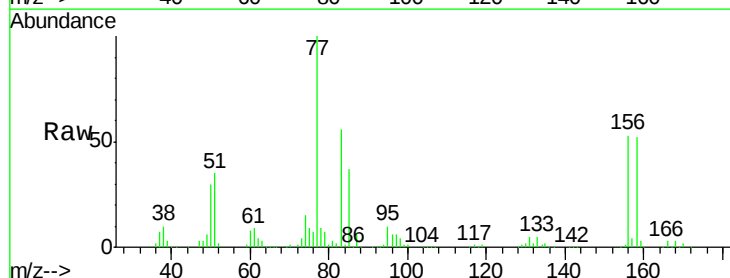
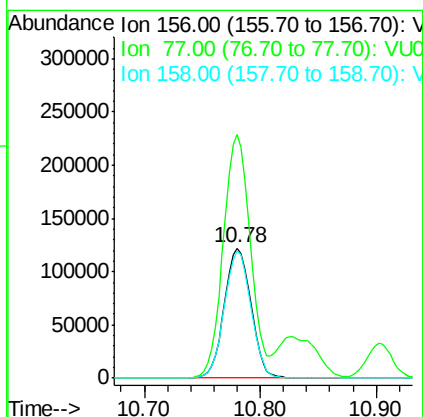
MMDadoda

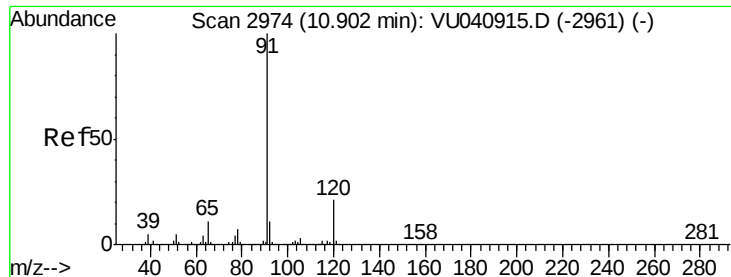
10/26/2020 4:24:25 PM



#72
Bromobenzene
Concen: 10.628 ug/l
RT: 10.78 min Scan# 2936
Delta R.T. -0.00 min
Lab File: VU040932.D
Acq: 23 Oct 2020 13:01

Tgt Ion	156	Resp	194681
Ion	Ratio	Lower	Upper
156	100		
77	190.3	0.0	370.2
158	97.2	0.0	193.2





#73

n-propylbenzene

Concen: 10.254 ug/l

RT: 10.90 min Scan# 2974

Delta R.T. 0.00 min

Lab File: VU040932.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:120 Resp: 239221

Ion Ratio Lower Upper

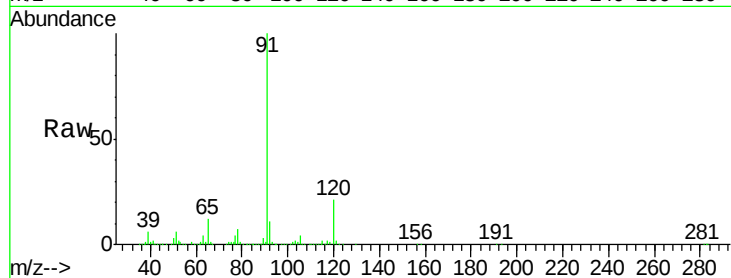
120 100

91 471.6 370.8 556.2

Manual Integrations
APPROVED

MMDadoda

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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0

800000

600000

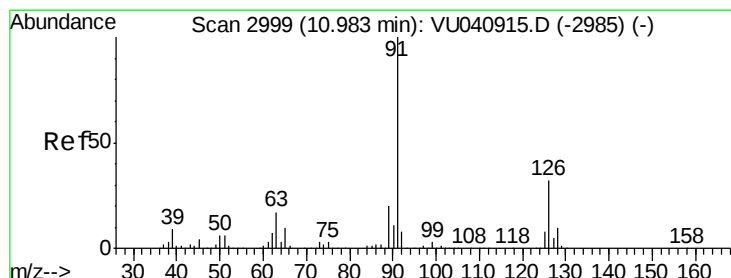
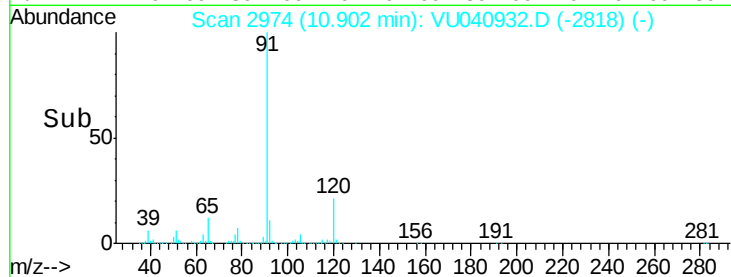
400000

200000

0

10.85 10.90 10.95

Time-->



#74

2-Chlorotoluene

Concen: 11.140 ug/l

RT: 10.98 min Scan# 2999

Delta R.T. -0.00 min

Lab File: VU040932.D

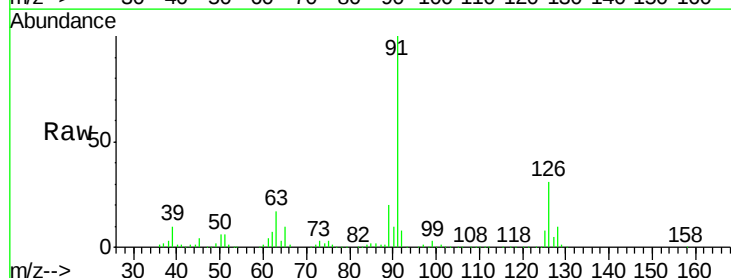
Acq: 23 Oct 2020 13:01

Tgt Ion:126 Resp: 203088

Ion Ratio Lower Upper

126 100

91 315.4 0.0 633.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

800000

600000

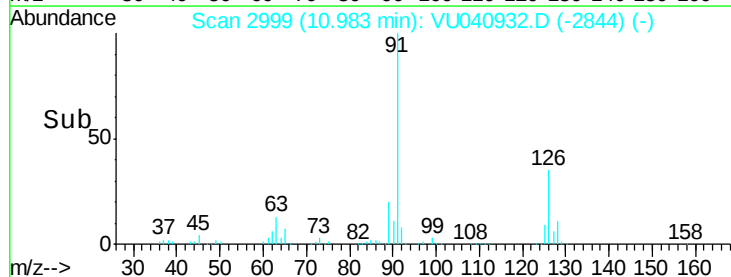
400000

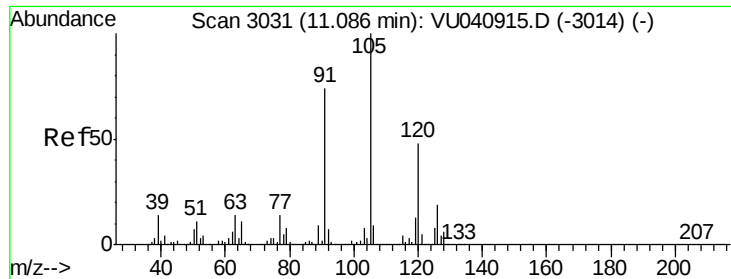
200000

0

10.90 10.95 11.00 11.05

Time-->





#75

1,3,5-Trimethylbenzene

Concen: 10.357 ug/l

RT: 11.09 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VU040932.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 758094

Ion Ratio Lower Upper

105 100

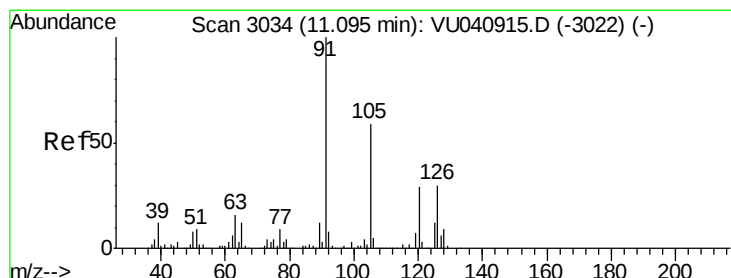
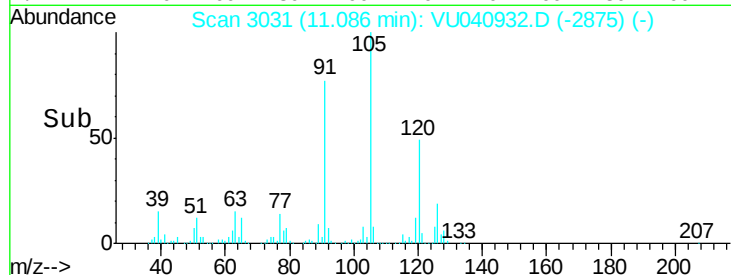
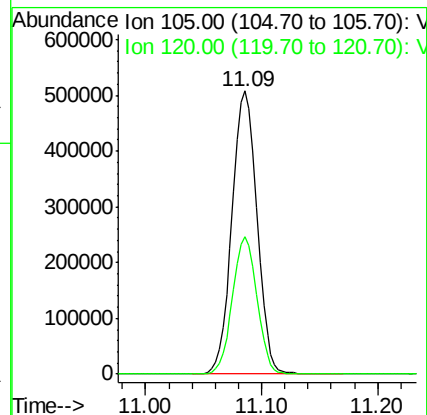
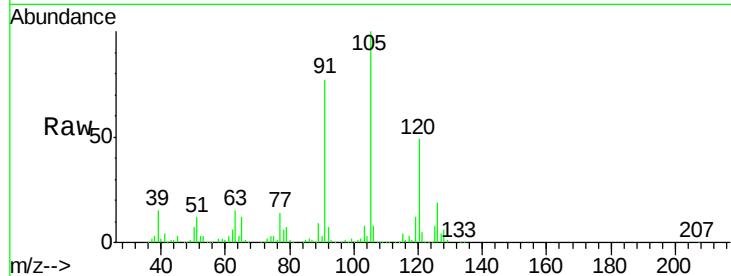
120 47.4 38.7 58.1

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#76

4-Chlorotoluene

Concen: 11.712 ug/l

RT: 11.10 min Scan# 3034

Delta R.T. -0.00 min

Lab File: VU040932.D

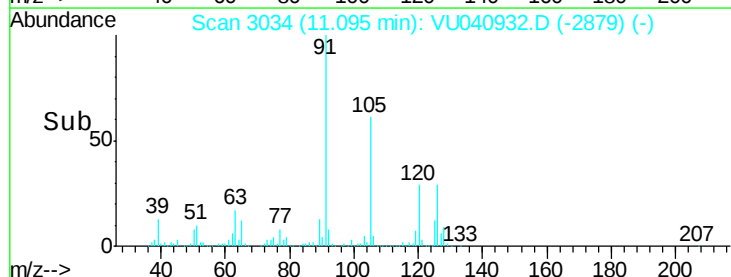
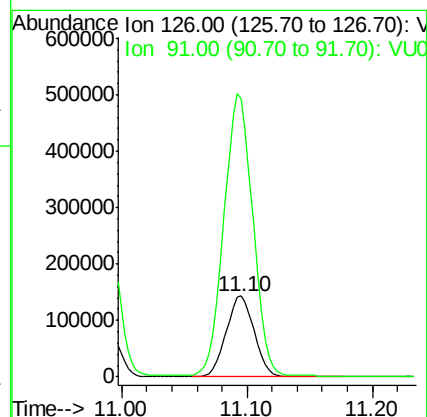
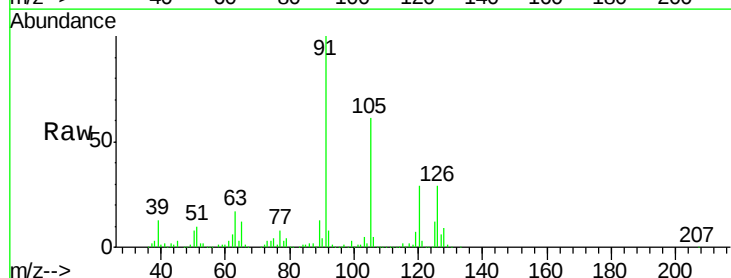
Acq: 23 Oct 2020 13:01

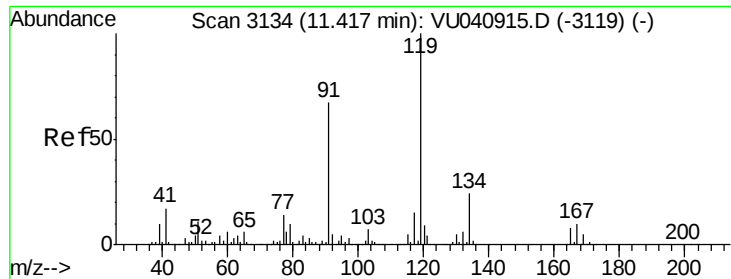
Tgt Ion:126 Resp: 221290

Ion Ratio Lower Upper

126 100

91 362.3 0.0 730.4





#77

tert-Butylbenzene

Concen: 11.322 ug/l

RT: 11.42 min Scan# 3134

Delta R.T. -0.00 min

Lab File: VU040932.D

Acq: 23 Oct 2020 13:01

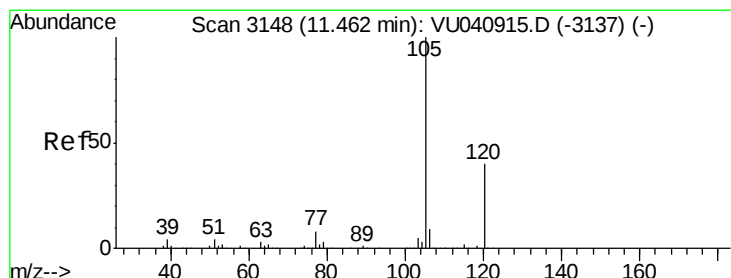
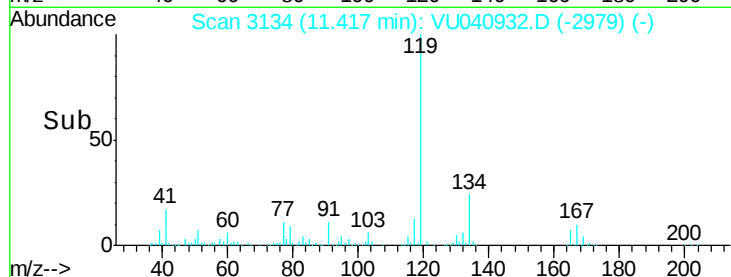
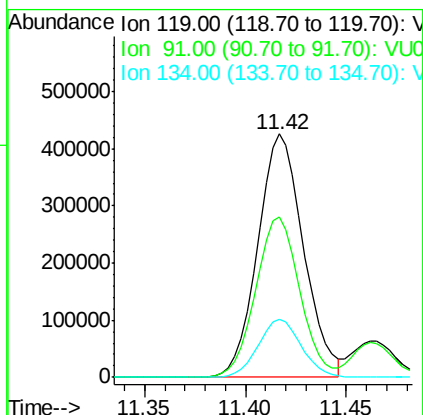
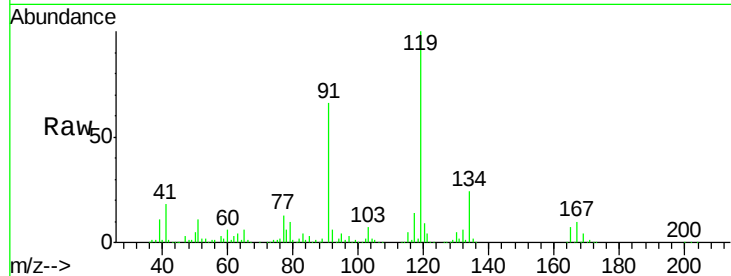
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.3	32.0	96.2
134	22.9	18.4	27.6

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#78

1,2,4-Trimethylbenzene

Concen: 10.392 ug/l

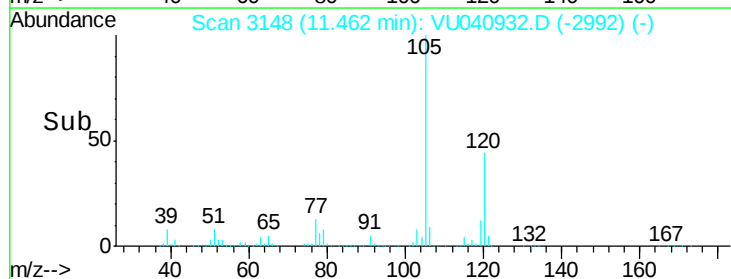
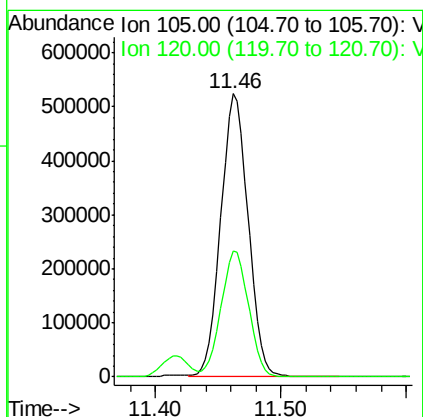
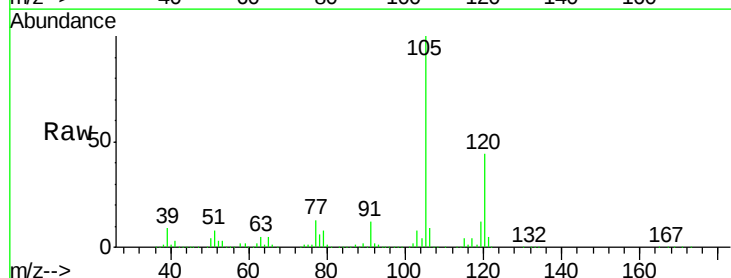
RT: 11.46 min Scan# 3148

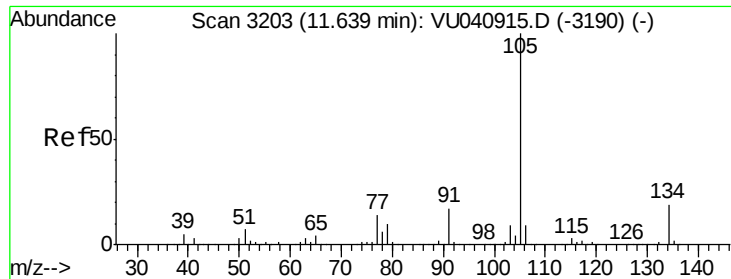
Delta R.T. 0.00 min

Lab File: VU040932.D

Acq: 23 Oct 2020 13:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.6	67.8





#79

sec-Butylbenzene

Concen: 11.757 ug/l

RT: 11.64 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VU040932.D

Acq: 23 Oct 2020 13:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 969327

Ion Ratio Lower Upper

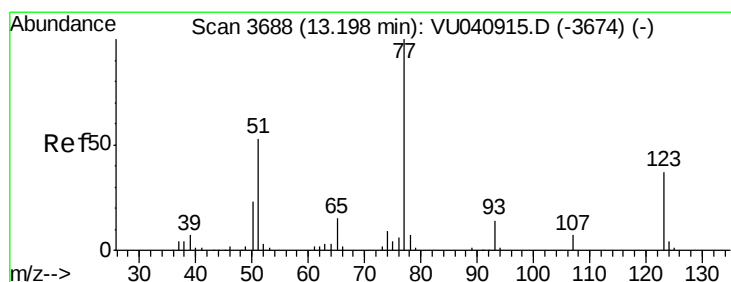
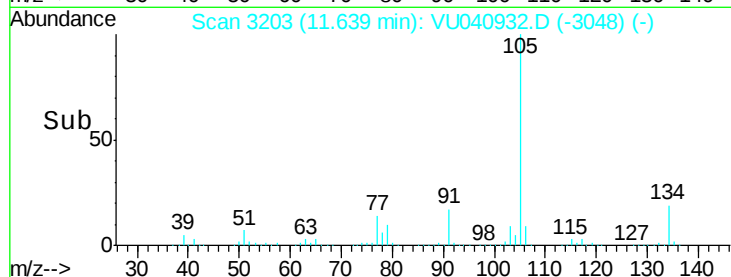
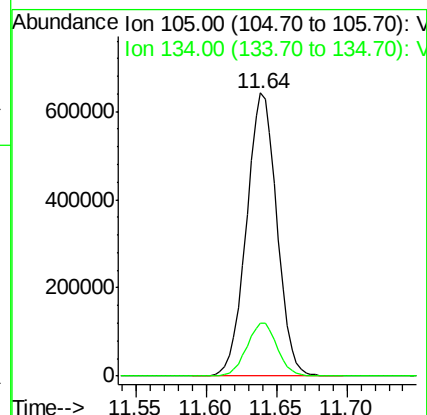
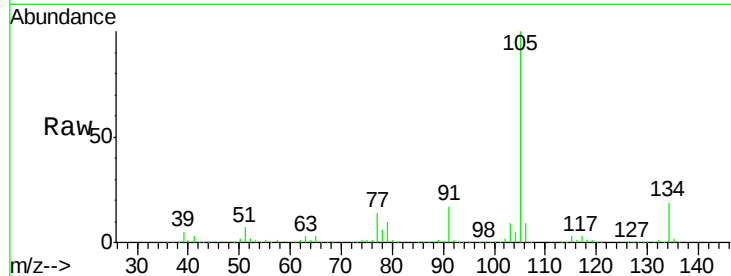
105 100

134 18.8 15.4 23.0

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#80

Nitrobenzene

Concen: 55.948 ug/l

RT: 13.20 min Scan# 3689

Delta R.T. 0.00 min

Lab File: VU040932.D

Acq: 23 Oct 2020 13:01

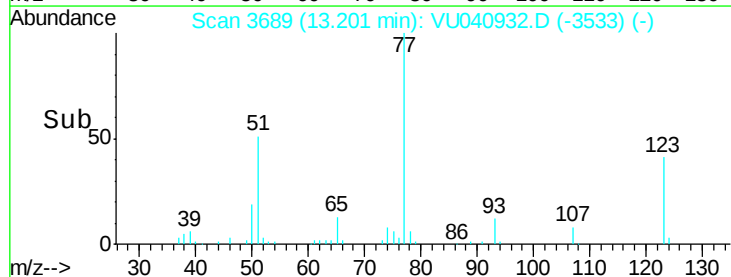
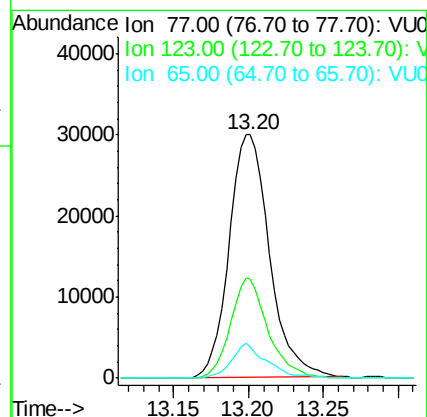
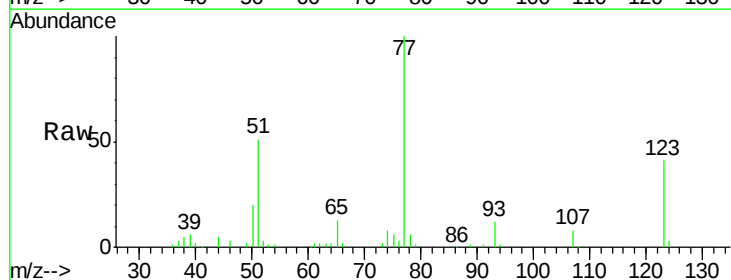
Tgt Ion: 77 Resp: 56310

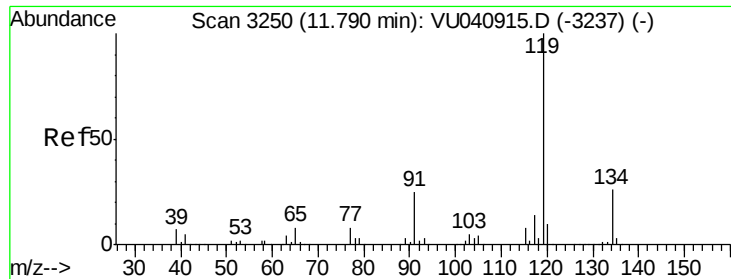
Ion Ratio Lower Upper

77 100

123 38.0 16.8 59.4

65 12.5 11.0 14.0





#81
 p-Isopropyltoluene
 Concen: 10.438 ug/l
 RT: 11.79 min Scan# 3250
 Delta R.T. 0.00 min
 Lab File: VU040932.D
 Acq: 23 Oct 2020 13:01

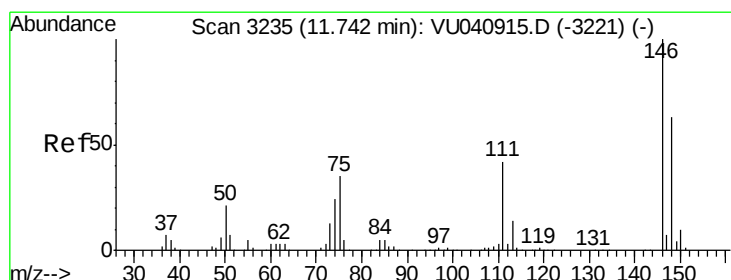
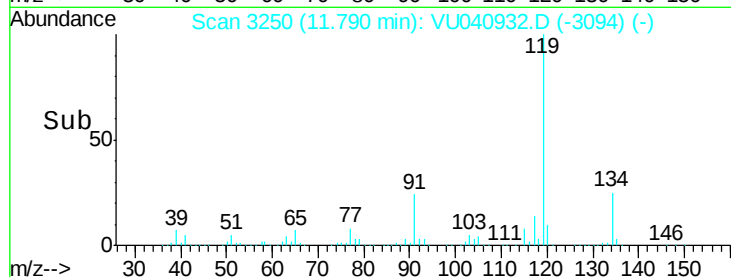
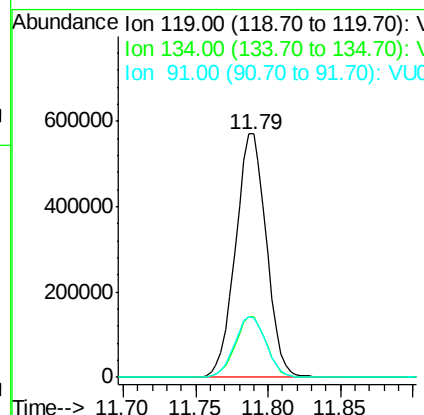
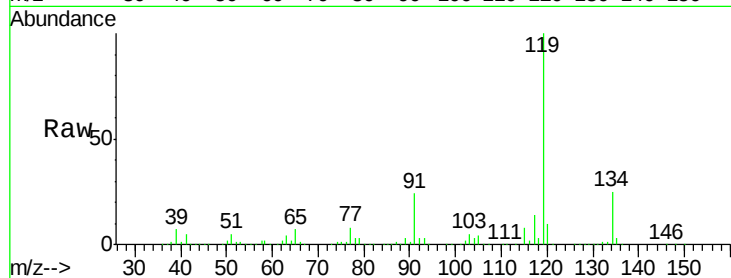
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.9	20.4	30.6
91	25.4	20.4	30.6

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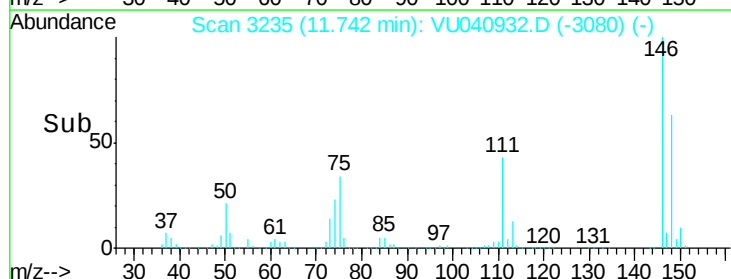
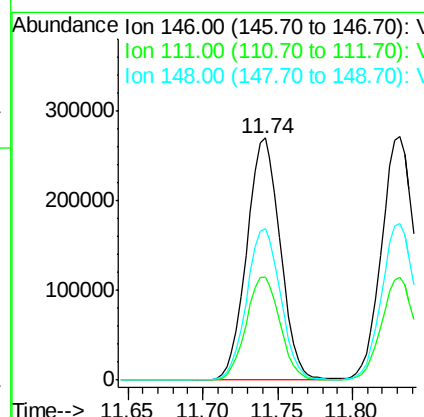
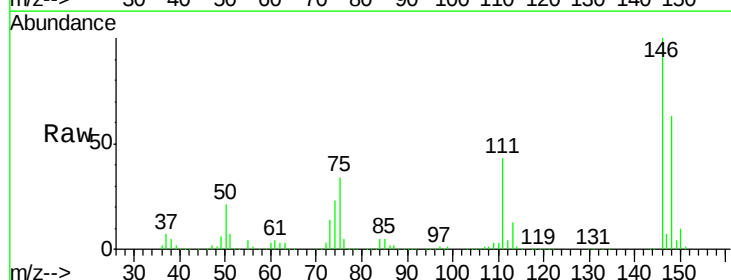
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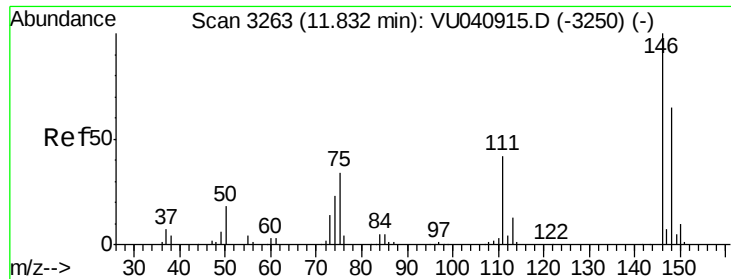
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#82
 1,3-Dichlorobenzene
 Concen: 10.566 ug/l
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU040932.D
 Acq: 23 Oct 2020 13:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.0	33.6	50.4
148	63.3	50.1	75.1





#83
 1,4-Dichlorobenzene
 Concen: 10.583 ug/l
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040932.D
 Acq: 23 Oct 2020 13:01

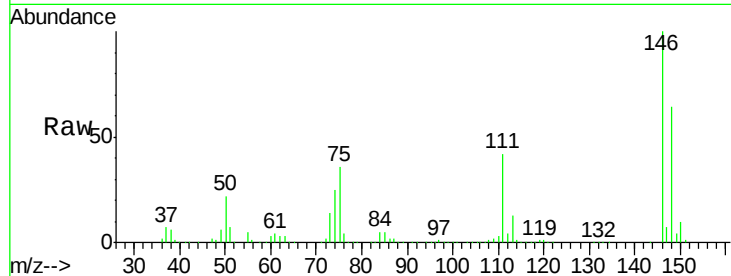
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	33.7	50.5
148	64.1	50.6	75.8

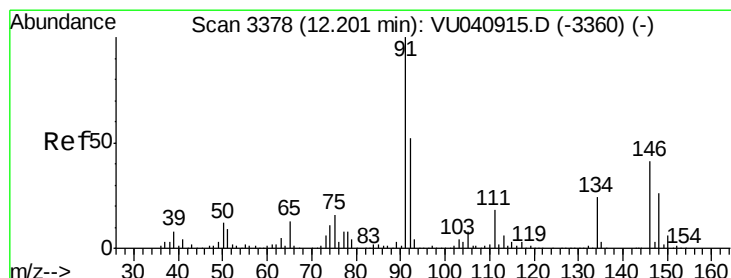
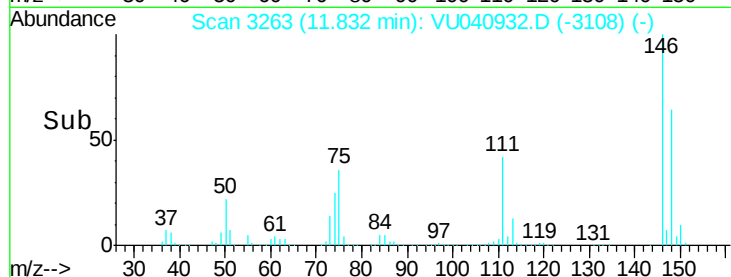
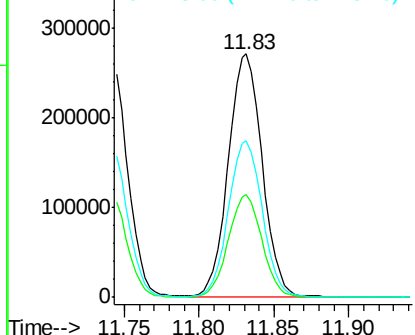
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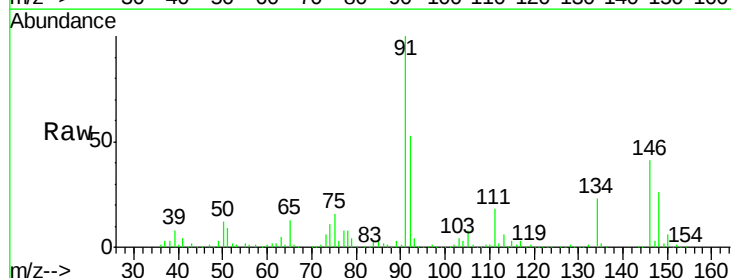


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

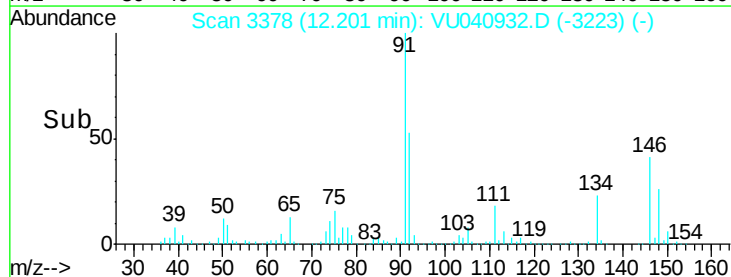
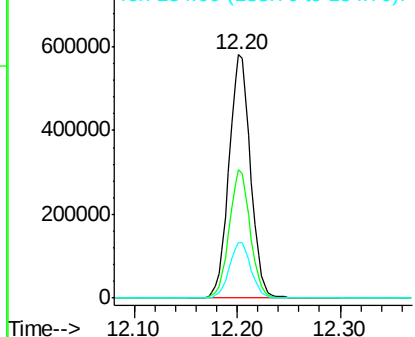


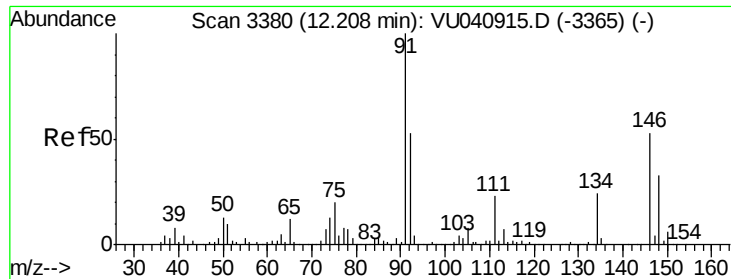
#84
 n-Butylbenzene
 Concen: 12.277 ug/l
 RT: 12.20 min Scan# 3378
 Delta R.T. -0.00 min
 Lab File: VU040932.D
 Acq: 23 Oct 2020 13:01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.0	41.7	62.5
134	22.8	18.6	28.0



Abundance Ion 91.00 (90.70 to 91.70): VU0
 Ion 92.00 (91.70 to 92.70): VU0
 Ion 134.00 (133.70 to 134.70): V





#85
 1,2-Dichlorobenzene
 Concen: 10.806 ug/l
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU040932.D
 Acq: 23 Oct 2020 13:01

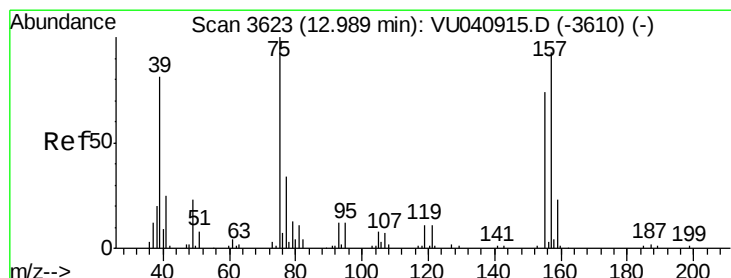
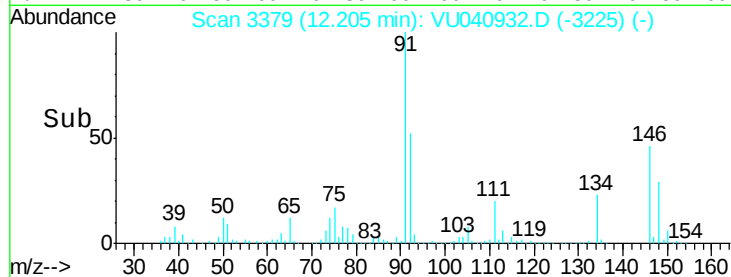
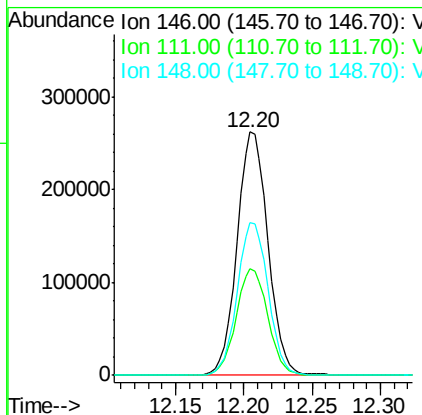
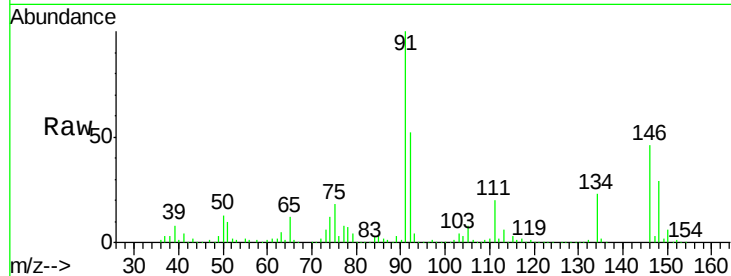
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.3	66.9
148	62.7	31.5	94.5

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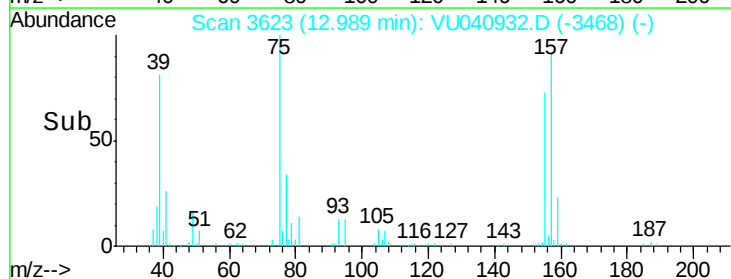
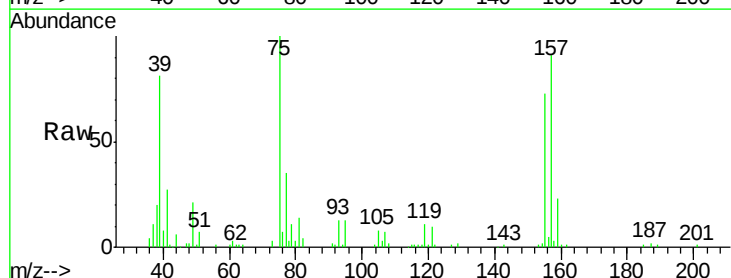
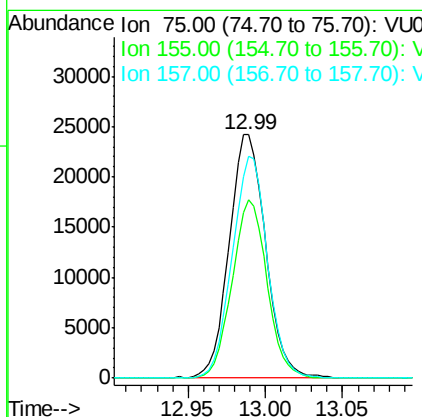
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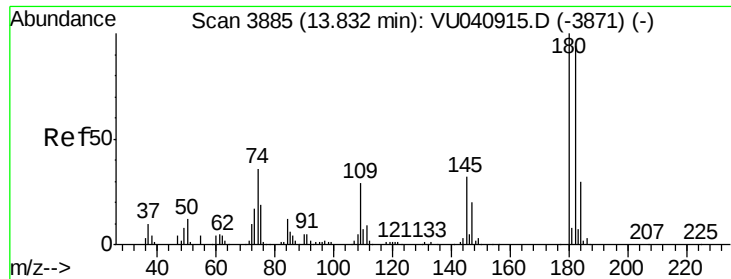
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 9.958 ug/l
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU040932.D
 Acq: 23 Oct 2020 13:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.0	57.1	85.7
157	88.0	72.4	108.6





#87
 1,2,4-Trichlorobenzene
 Concen: 10.775 ug/l
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU040932.D
 Acq: 23 Oct 2020 13:01

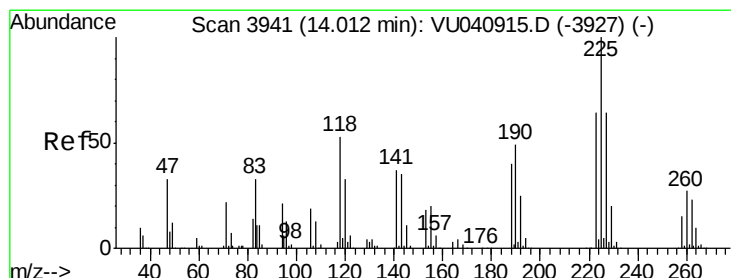
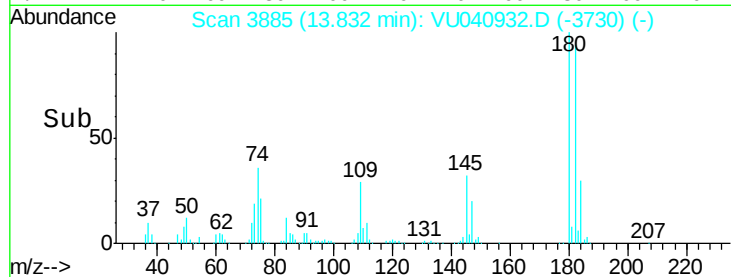
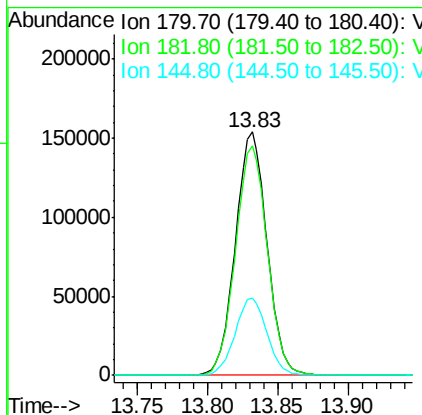
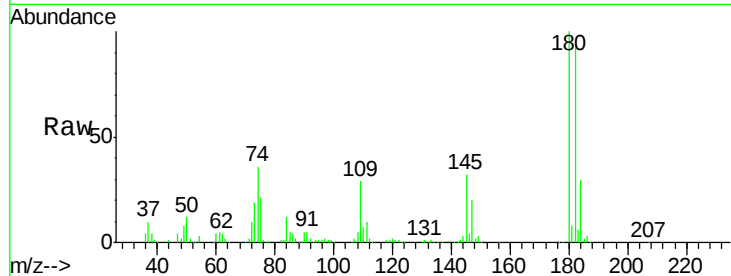
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.4	113.2
145	32.0	25.4	38.0

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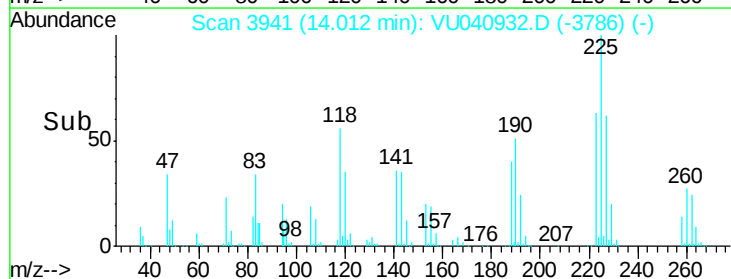
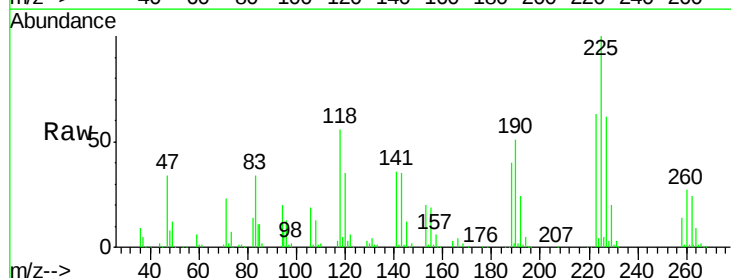
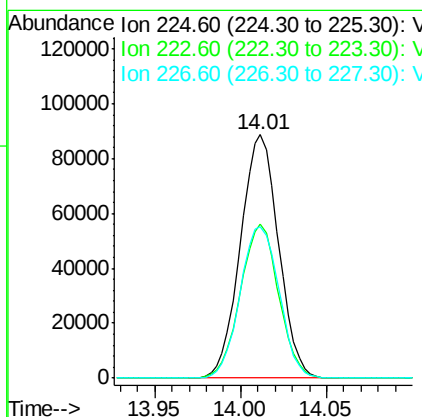
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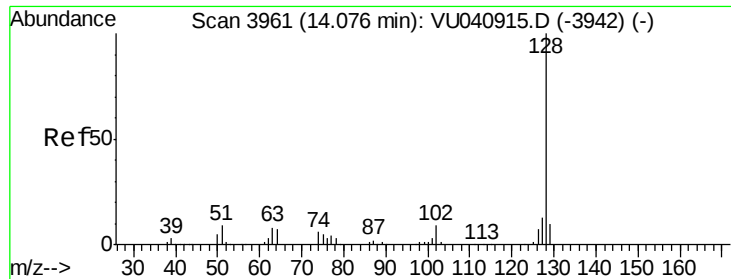
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#88
 Hexachlorobutadiene
 Concen: 10.833 ug/l
 RT: 14.01 min Scan# 3941
 Delta R.T. -0.00 min
 Lab File: VU040932.D
 Acq: 23 Oct 2020 13:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	49.9	74.9
227	63.7	51.1	76.7





#89
Naphthalene
Concen: 9.229 ug/l
RT: 14.08 min Scan# 3962
Delta R.T. 0.00 min
Lab File: VU040932.D
Acq: 23 Oct 2020 13:01

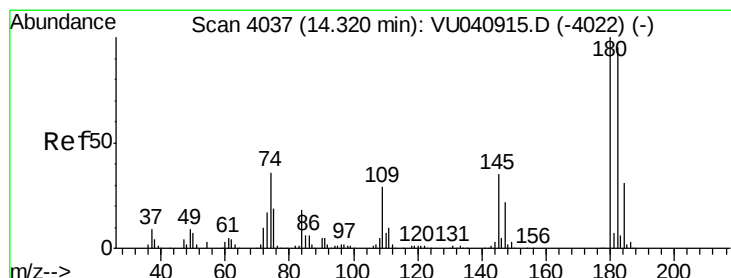
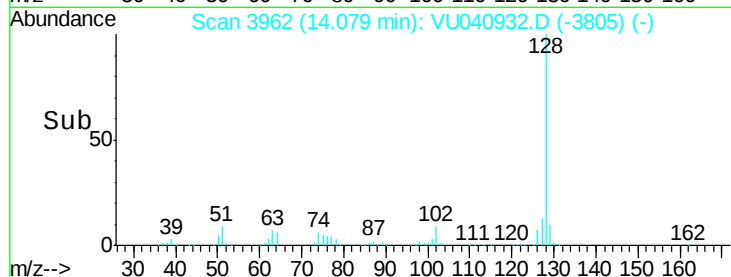
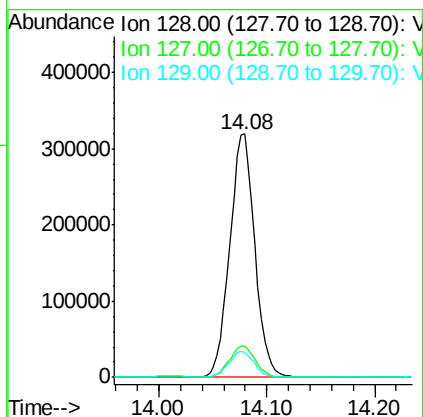
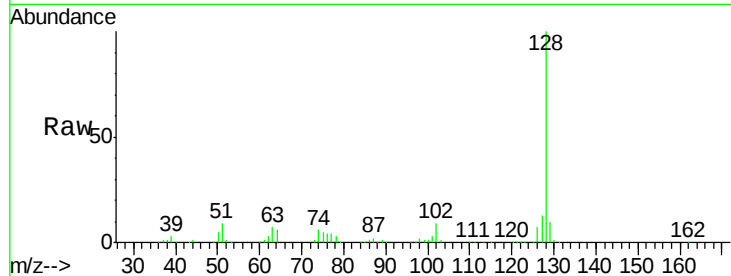
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	10.8	8.6	13.0

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#90
1,2,3-Trichlorobenzene
Concen: 11.637 ug/l
RT: 14.32 min Scan# 4037
Delta R.T. -0.00 min
Lab File: VU040932.D
Acq: 23 Oct 2020 13:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.0	114.0
145	35.1	28.0	42.0

