

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030220\
 Data File : VN060298.D
 Acq On : 2 Mar 2020 9:29
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/3/2020 10:04:31 AM

Quant Time: Mar 03 05:51:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	227320	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	365720	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	341081	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	164641	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	142946	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
35) Dibromofluoromethane	7.56	113	89504	52.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.46%	
50) Toluene-d8	10.08	98	420181	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
62) 4-Bromofluorobenzene	12.40	95	158941	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	96929	46.507	ug/l	99
3) Chloromethane	2.04	50	164488	45.331	ug/l	100
4) Vinyl Chloride	2.16	62	135545	43.556	ug/l	100
5) Bromomethane	2.54	94	55540	44.053	ug/l	97
6) Chloroethane	2.68	64	75772	44.940	ug/l	97
7) Trichlorofluoromethane	3.00	101	176120	44.296	ug/l	100
8) Diethyl Ether	3.38	74	70526	46.980	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	102225	45.430	ug/l	100
10) Methyl Iodide	3.93	142	99984	48.687	ug/l	99
11) Tert butyl alcohol	4.72	59	106979	247.025	ug/l #	85
12) 1,1-Dichloroethene	3.72	96	100347	45.942	ug/l	97
13) Acrolein	3.57	56	103689	256.646	ug/l	100
14) Allyl chloride	4.29	41	174891	43.433	ug/l	91
15) Acrylonitrile	4.94	53	287448	251.818	ug/l	100
16) Acetone	3.78	43	213640	226.832	ug/l	99
17) Carbon Disulfide	4.03	76	265499	45.751	ug/l	100
18) Methyl Acetate	4.29	43	148699	47.310	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	379457	47.856	ug/l	99
20) Methylene Chloride	4.52	84	116262	44.948	ug/l	97
21) trans-1,2-Dichloroethene	5.00	96	106184	45.213	ug/l	96
22) Diisopropyl ether	5.91	45	397832	48.775	ug/l	99
23) Vinyl Acetate	5.86	43	1639035	252.885	ug/l	99
24) 1,1-Dichloroethane	5.81	63	215554	46.687	ug/l	99
25) 2-Butanone	6.80	43	378454	248.770	ug/l	100
26) 2,2-Dichloropropane	6.79	77	194817	46.349	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	129785	43.272	ug/l	99
28) Bromochloromethane	7.17	49	88561	46.718	ug/l	98
29) Tetrahydrofuran	7.18	42	258728	244.573	ug/l	100
30) Chloroform	7.35	83	215518	46.891	ug/l	99
31) Cyclohexane	7.63	56	188060	47.668	ug/l	100
32) 1,1,1-Trichloroethane	7.54	97	187351	46.007	ug/l	100
36) 1,1-Dichloropropene	7.77	75	157521	45.193	ug/l	99
37) Ethyl Acetate	6.89	43	164274	49.775	ug/l	100
38) Carbon Tetrachloride	7.75	117	157878	46.523	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	189932	46.217	ug/l	98
40) Benzene	8.02	78	473656	46.690	ug/l	100
41) Methacrylonitrile	7.15	41	78237m	51.341	ug/l	
42) 1,2-Dichloroethane	8.10	62	175480	47.935	ug/l	100
43) Isopropyl Acetate	8.14	43	292162	50.566	ug/l	99
44) Trichloroethene	8.81	130	128008	45.306	ug/l	99
45) 1,2-Dichloropropane	9.10	63	129366	48.774	ug/l	98
46) Dibromomethane	9.19	93	82399	47.878	ug/l	99
47) Bromodichloromethane	9.38	83	172476	49.275	ug/l	98
48) Methyl methacrylate	9.18	41	129355	49.096	ug/l	99
49) 1,4-Dioxane	9.18	88	37574	1014.098	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	839029	256.122	ug/l	99
52) Toluene	10.14	92	298474	46.837	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	202670	47.253	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	214417	48.245	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	120373	46.972	ug/l	98
56) Ethyl methacrylate	10.42	69	189366	51.435	ug/l	99
57) 1,3-Dichloropropane	10.70	76	204394	48.907	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	481065	249.833	ug/l	99
59) 2-Hexanone	10.74	43	623008	259.021	ug/l	99
60) Dibromochloromethane	10.89	129	128704	49.385	ug/l	100
61) 1,2-Dibromoethane	10.99	107	122191	48.912	ug/l	99
64) Tetrachloroethene	10.62	164	134048	49.913	ug/l	100
65) Chlorobenzene	11.43	112	312445	45.365	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	120820	47.445	ug/l	100
67) Ethyl Benzene	11.50	91	585570	46.687	ug/l	99
68) m/p-Xylenes	11.61	106	435798	92.094	ug/l	100
69) o-Xylene	11.94	106	212453	47.081	ug/l	100
70) Styrene	11.96	104	348570	46.983	ug/l	99
71) Bromoform	12.12	173	93870	51.147	ug/l #	100
73) Isopropylbenzene	12.24	105	573520	46.998	ug/l	99
74) N-amyl acetate	12.06	43	262457	49.219	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	163984	49.436	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	156452m	43.312	ug/l	
77) Bromobenzene	12.52	156	139921	46.776	ug/l	99
78) n-propylbenzene	12.59	91	671008	46.910	ug/l	100
79) 2-Chlorotoluene	12.67	91	389833	46.363	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	490189	47.710	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	67335	51.457	ug/l #	62
82) 4-Chlorotoluene	12.77	91	409364	46.210	ug/l	99
83) tert-Butylbenzene	12.99	119	413066	46.435	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	485233	46.790	ug/l	100
85) sec-Butylbenzene	13.17	105	561202	47.112	ug/l	100
86) p-Isopropyltoluene	13.28	119	513639	46.587	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	249555	48.547	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	249120	48.735	ug/l	100
89) n-Butylbenzene	13.61	91	467176	46.159	ug/l	99
90) Hexachloroethane	13.87	117	75547	47.339	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	240195	45.826	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	35223	46.891	ug/l	99

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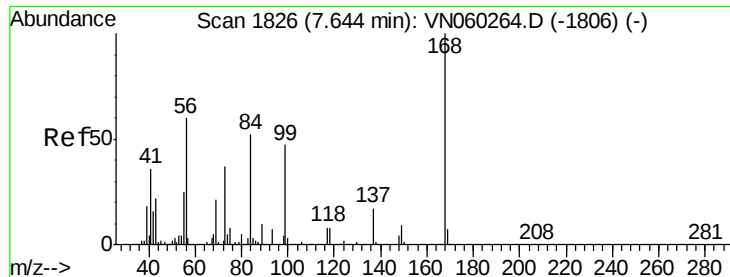
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	156481	46.989	ug/l	99
94) Hexachlorobutadiene	15.01	225	76392	49.896	ug/l	100
95) Naphthalene	15.13	128	457101	46.577	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	147214	46.923	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060298.D

Acq: 2 Mar 2020 9:29

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 227320

Ion Ratio Lower Upper

168 100

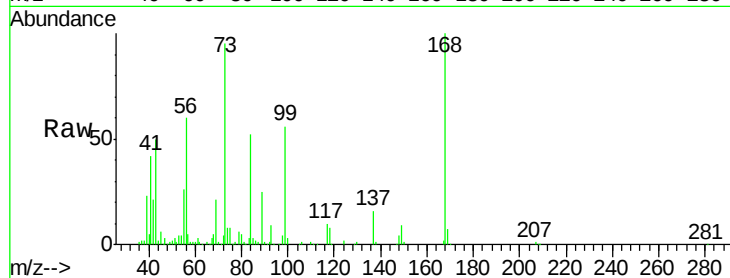
99 55.7 44.7 67.1

Manual Integrations

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3/3/2020 10:04:31 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

100000

80000

60000

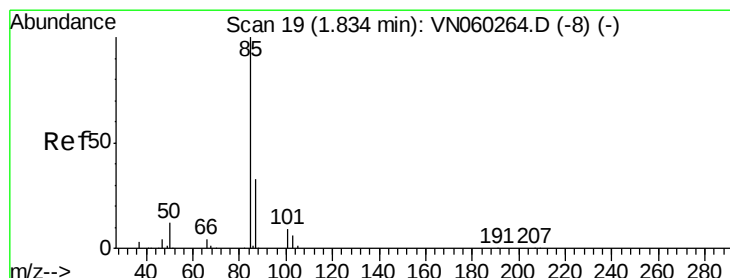
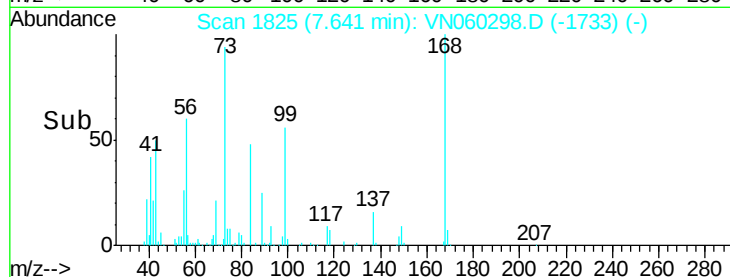
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 46.507 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060298.D

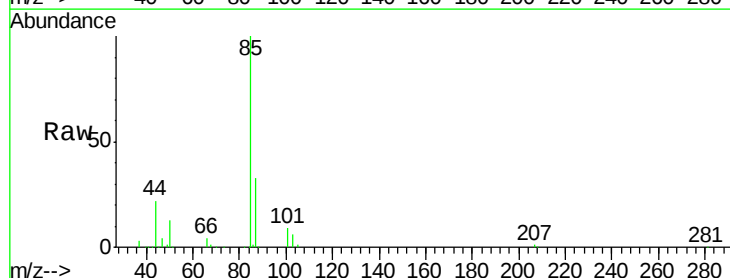
Acq: 2 Mar 2020 9:29

Tgt Ion: 85 Resp: 96929

Ion Ratio Lower Upper

85 100

87 33.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

80000

60000

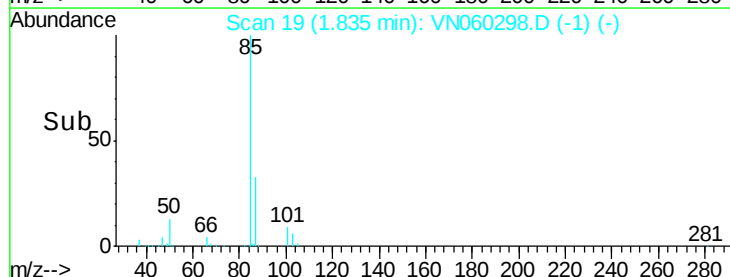
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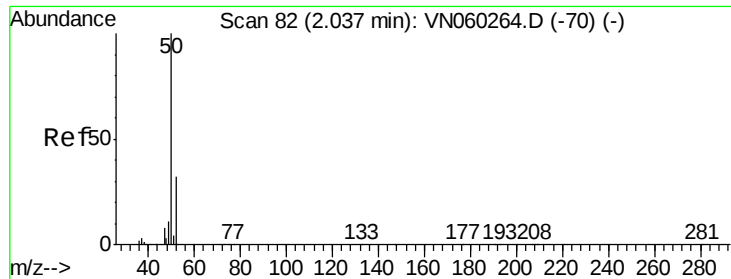
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 45.331 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060298.D

Acq: 2 Mar 2020 9:29

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 164488

Ion Ratio Lower Upper

50 100

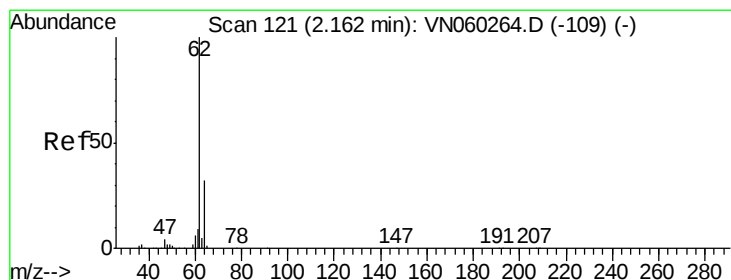
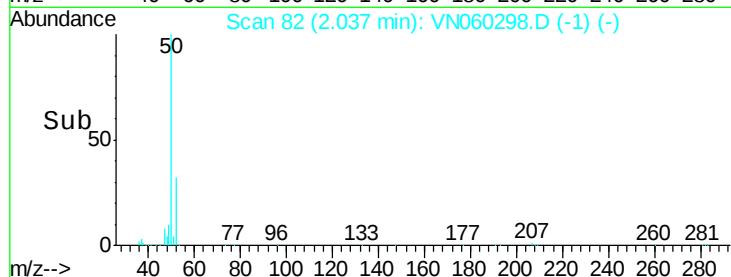
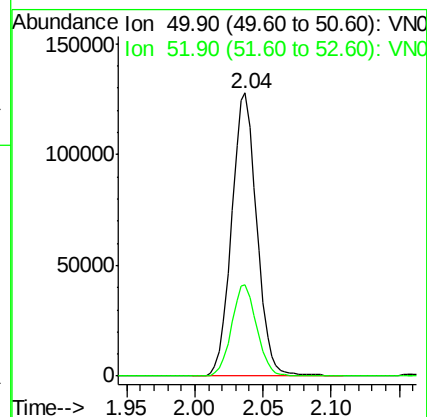
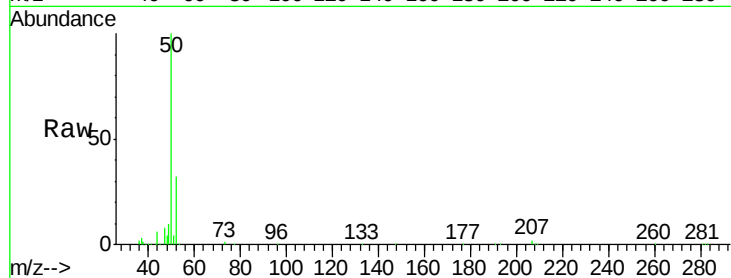
52 32.2 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 43.556 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060298.D

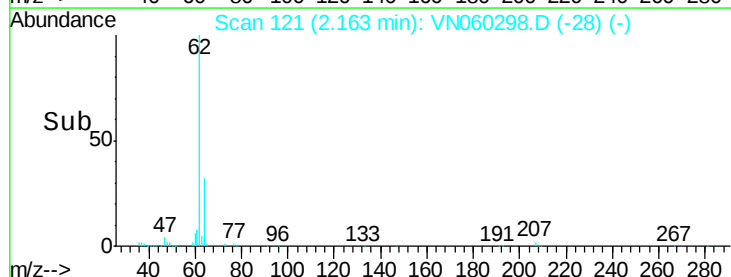
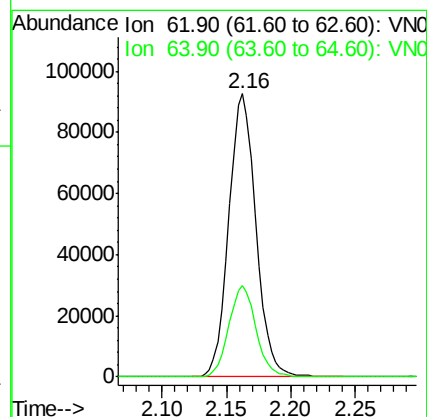
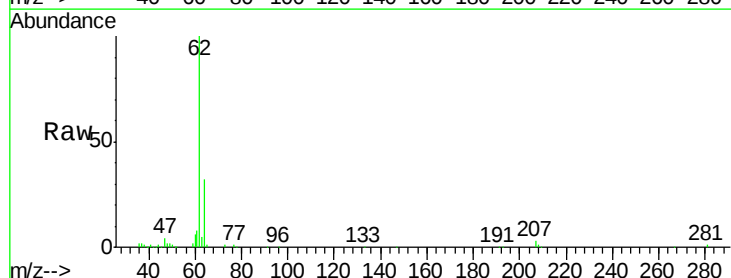
Acq: 2 Mar 2020 9:29

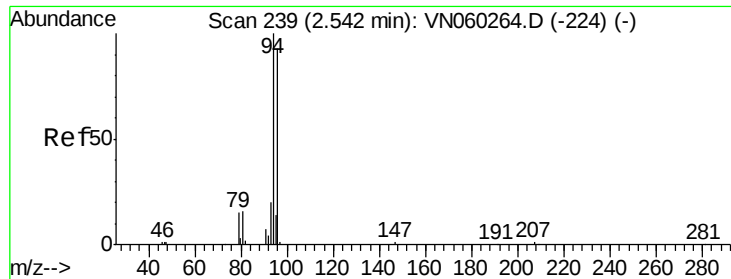
Tgt Ion: 62 Resp: 135545

Ion Ratio Lower Upper

62 100

64 32.1 25.5 38.3





#5

Bromomethane

Concen: 44.053 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

Lab File: VN060298.D

Acq: 2 Mar 2020 9:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 55540

Ion Ratio Lower Upper

94 100

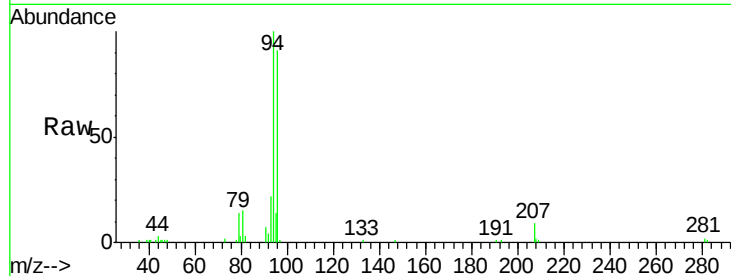
96 90.2 74.3 111.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

25000

20000

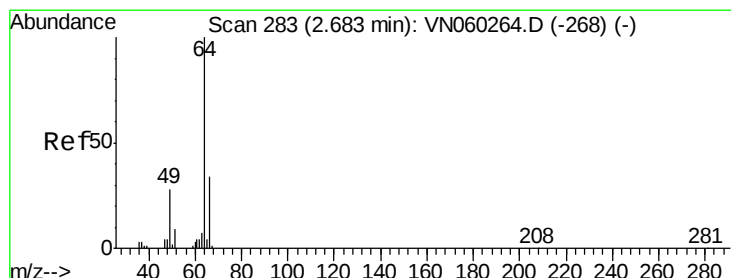
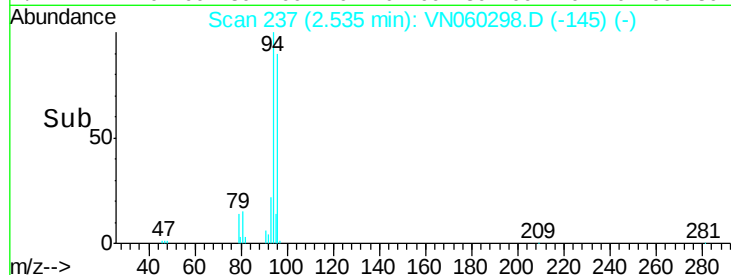
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 44.940 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN060298.D

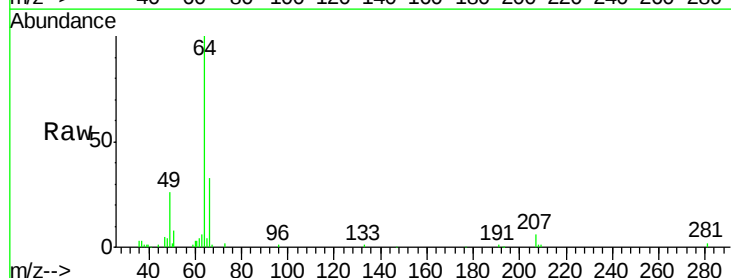
Acq: 2 Mar 2020 9:29

Tgt Ion: 64 Resp: 75772

Ion Ratio Lower Upper

64 100

66 32.5 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

40000

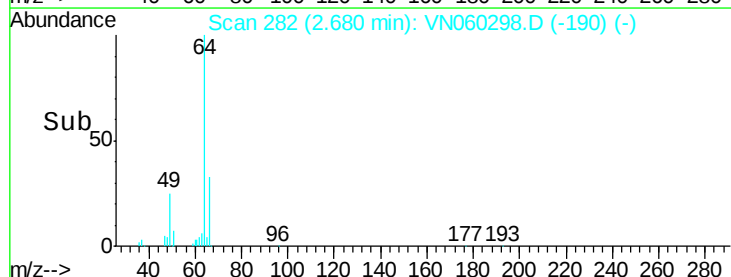
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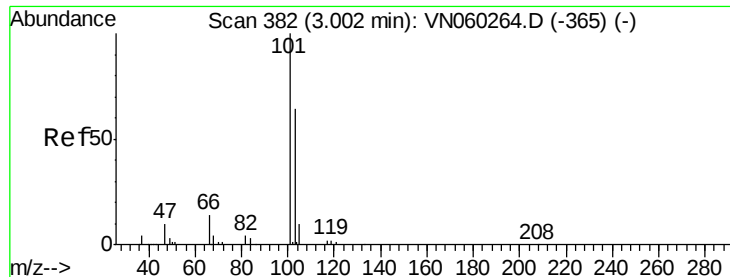
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10000

0

Time-->





#7

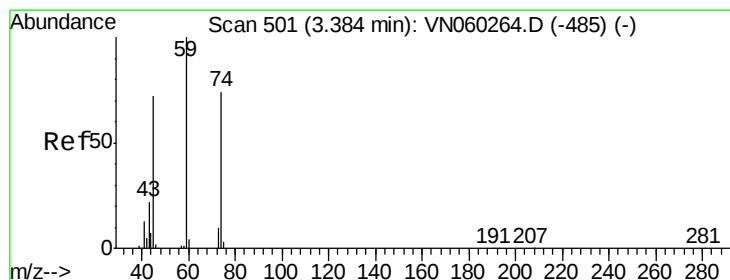
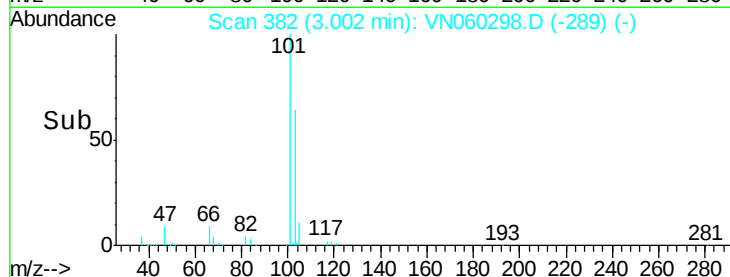
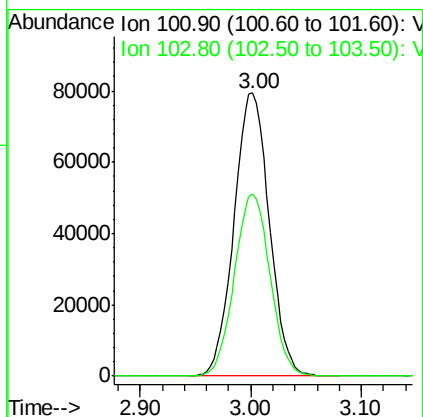
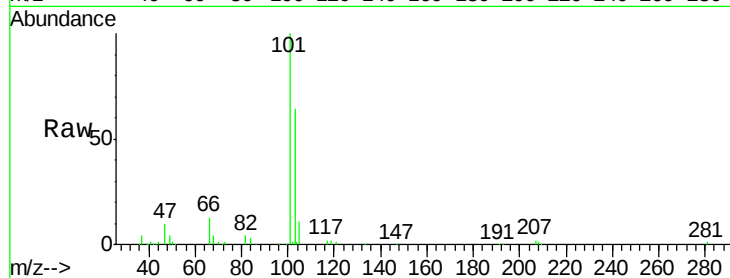
Trichlorofluoromethane
Concen: 44.296 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN060298.D
Acq: 2 Mar 2020 9:29

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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.3	76.9

Manual Integrations
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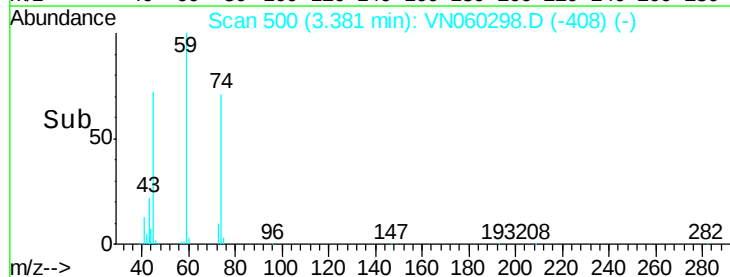
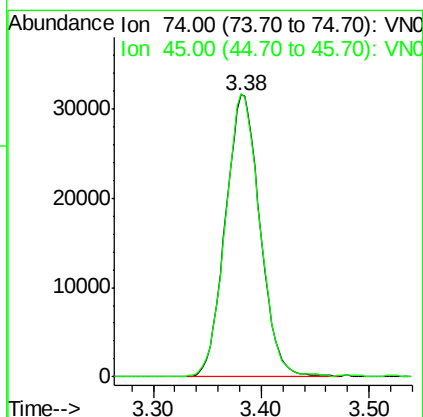
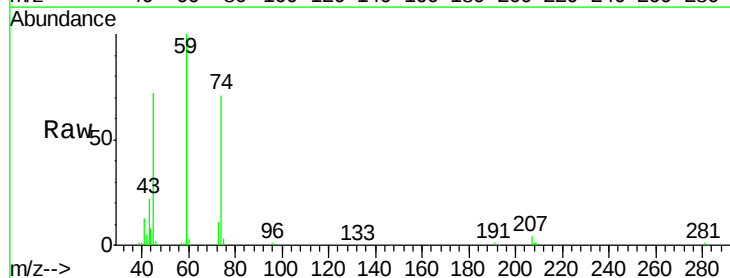
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3/3/2020 10:04:31 AM



#8

Diethyl Ether
Concen: 46.980 ug/l
RT: 3.38 min Scan# 500
Delta R.T. -0.00 min
Lab File: VN060298.D
Acq: 2 Mar 2020 9:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.1	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.430 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060298.D

Acq: 2 Mar 2020 9:29

Instrument :

MSVOA_N

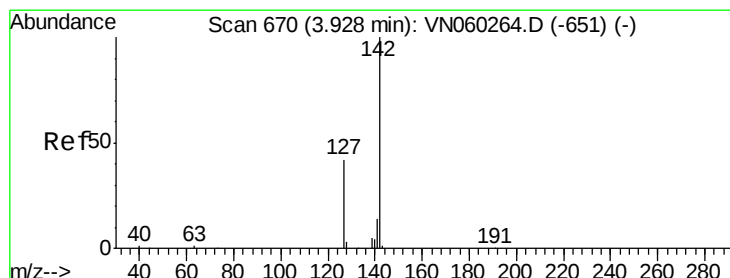
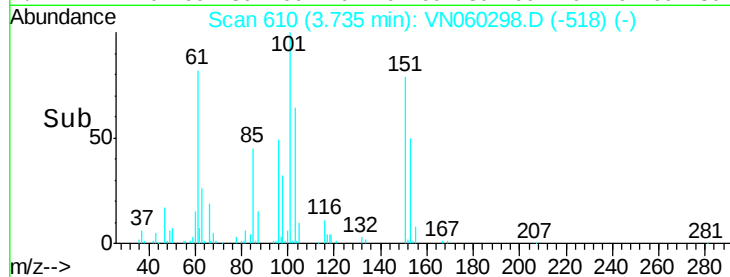
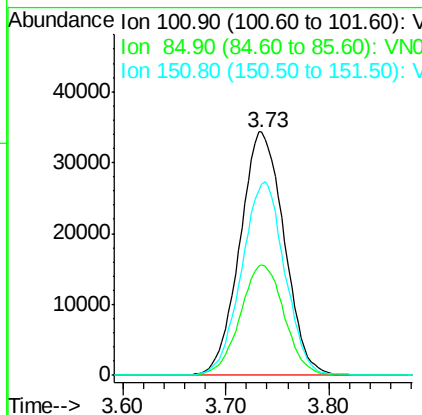
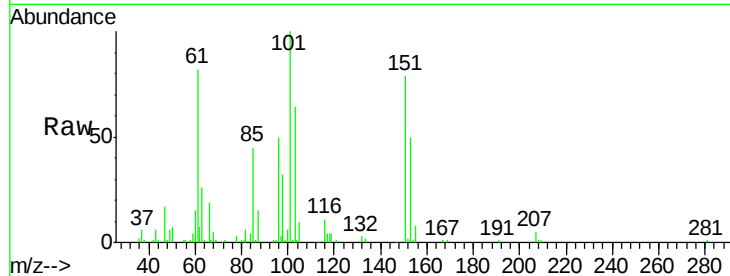
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	102225
Ion Ratio	Lower	Upper	
101	100		
85	45.0	35.4	53.2
151	77.4	62.0	93.0

Manual Integrations
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3/3/2020 10:04:31 AM



#10

Methyl Iodide

Concen: 48.687 ug/l

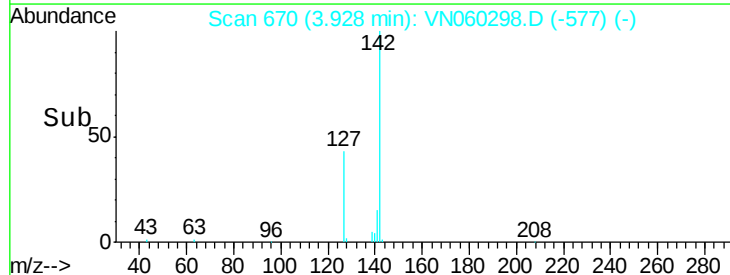
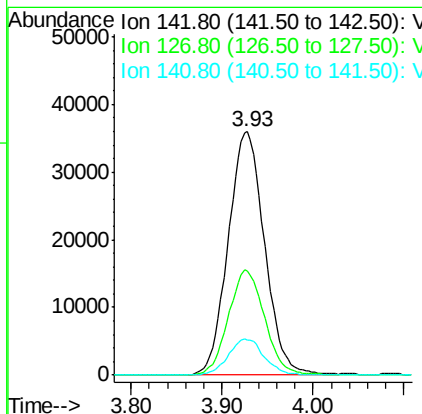
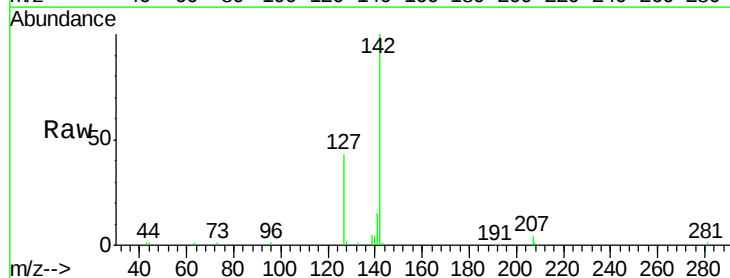
RT: 3.93 min Scan# 670

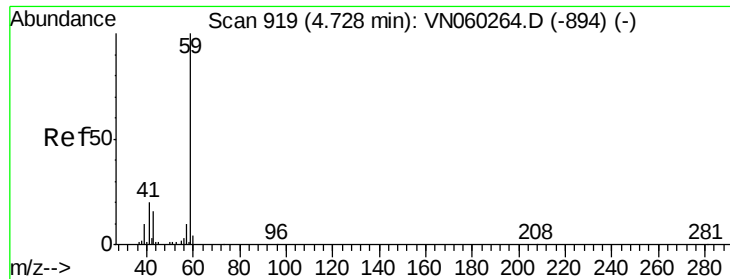
Delta R.T. 0.00 min

Lab File: VN060298.D

Acq: 2 Mar 2020 9:29

Tgt Ion:	142	Resp:	99984
Ion Ratio	Lower	Upper	
142	100		
127	42.9	33.8	50.6
141	14.4	11.1	16.7





#11

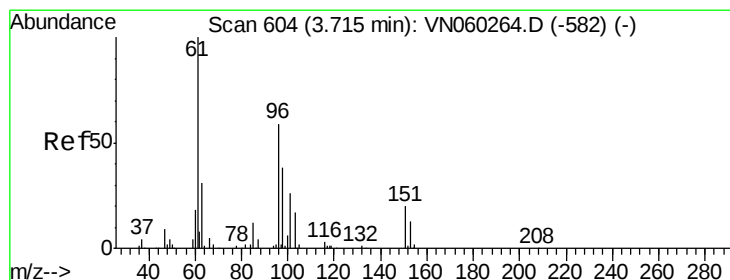
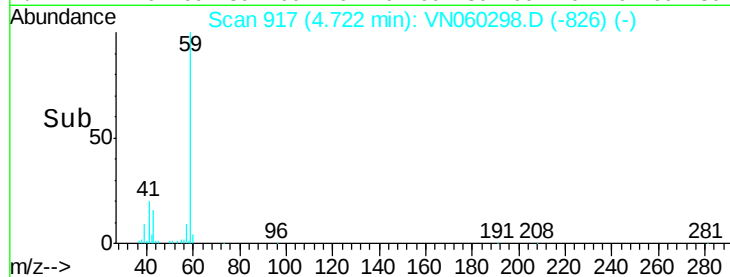
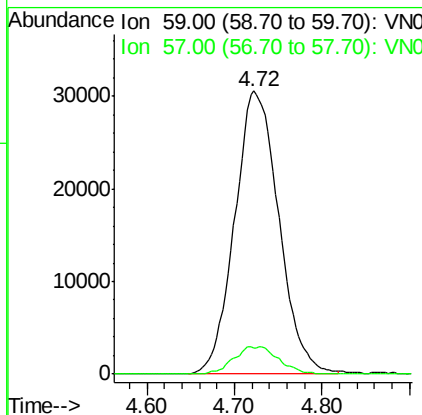
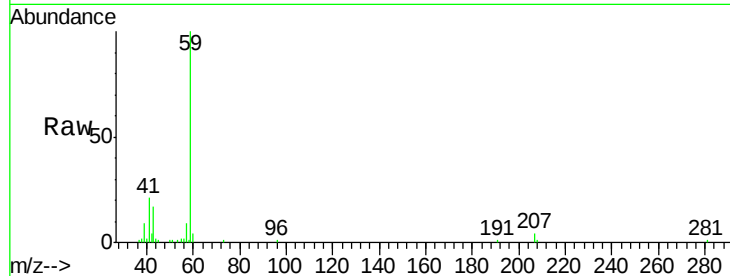
Tert butyl alcohol
 Concen: 247.025 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: VN060298.D
 Acq: 2 Mar 2020 9:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.6	8.2	12.2#

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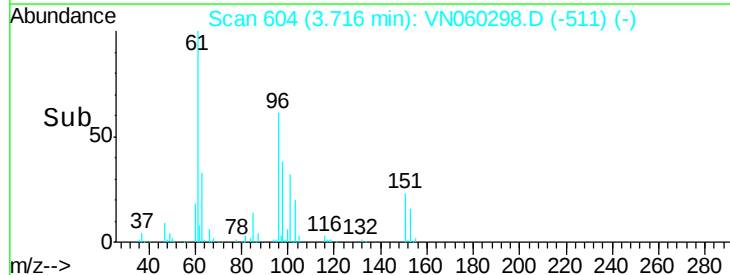
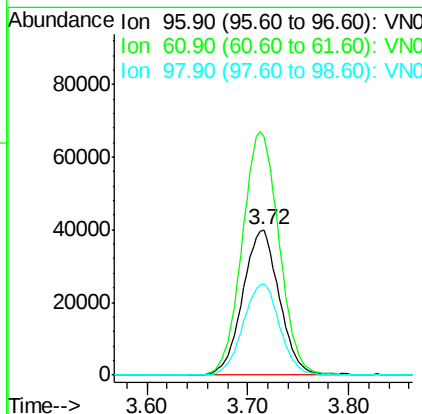
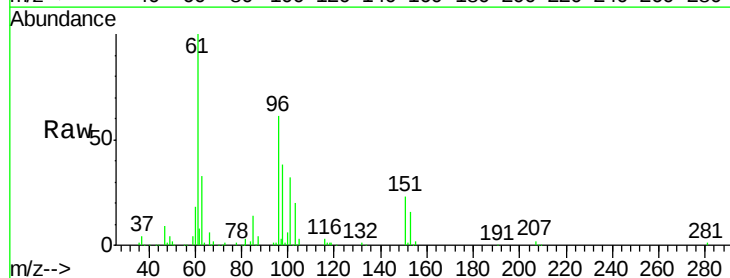
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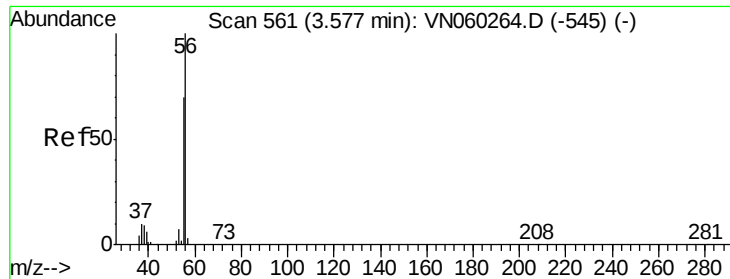


#12

1,1-Dichloroethene
 Concen: 45.942 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN060298.D
 Acq: 2 Mar 2020 9:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.4	135.4	203.0
98	62.5	51.6	77.4





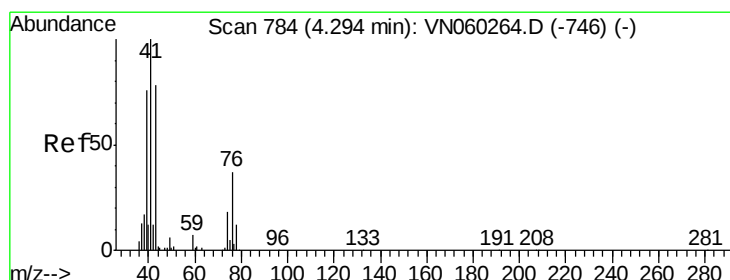
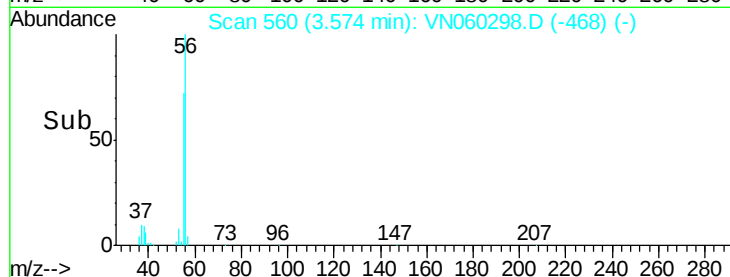
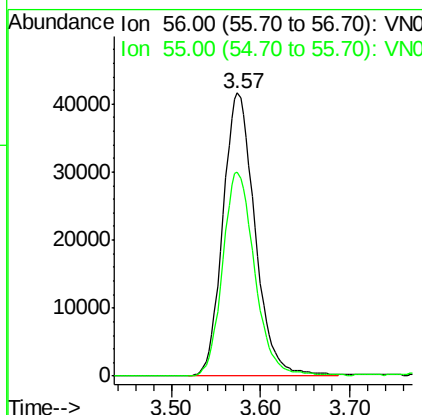
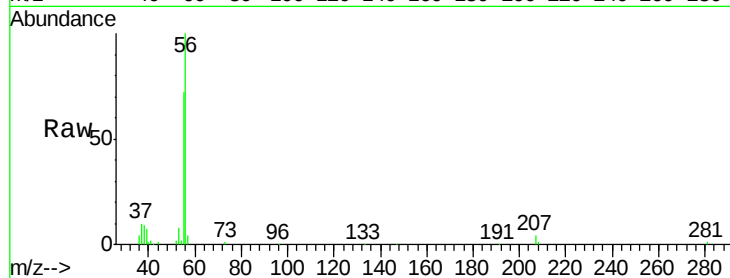
#13
Acrolein
Concen: 256.646 ug/l
RT: 3.57 min Scan# 560
Delta R.T. -0.00 min
Lab File: VN060298.D
Acq: 2 Mar 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	103689
Ion Ratio	56	100	
Lower	55	71.9	57.4
Upper			86.0

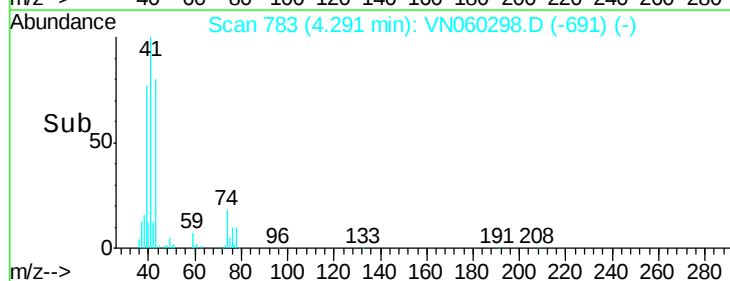
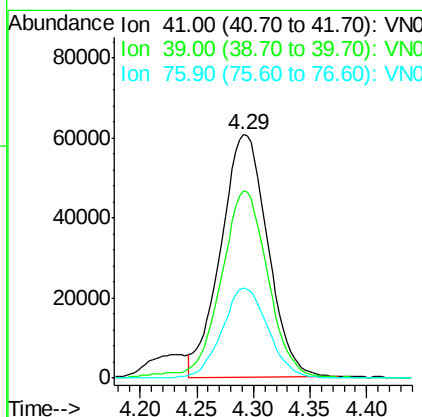
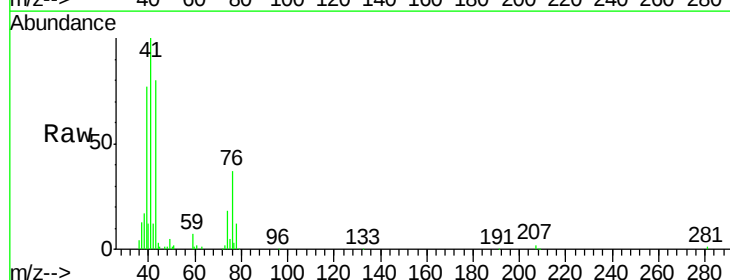
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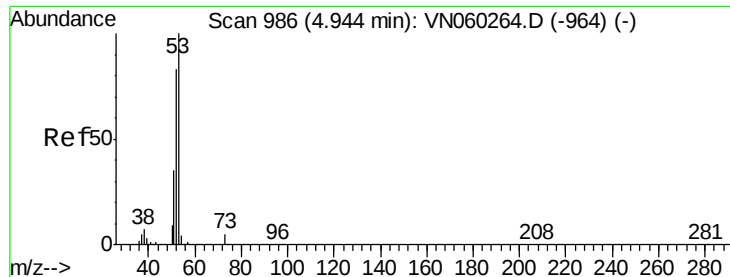
MMDadoda
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#14
Allyl chloride
Concen: 43.433 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.00 min
Lab File: VN060298.D
Acq: 2 Mar 2020 9:29

Tgt Ion	41	Resp	174891
Ion Ratio	41	100	
Lower	39	77.9	55.4
Upper			83.2
	76	36.5	27.0
			40.6





#15

Acrylonitrile

Concen: 251.818 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060298.D

Acq: 2 Mar 2020 9:29

Instrument :

MSVOA_N

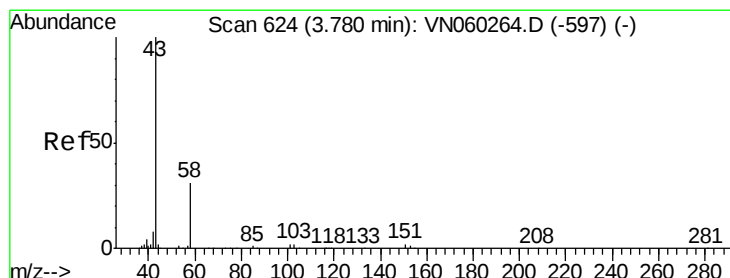
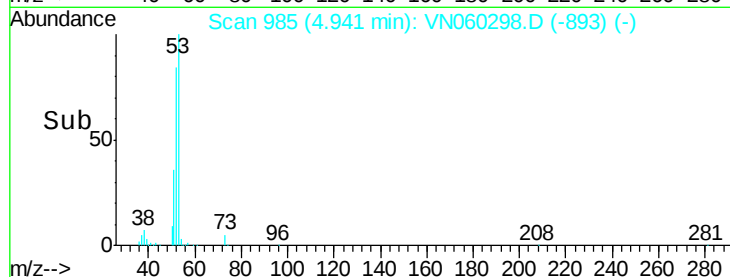
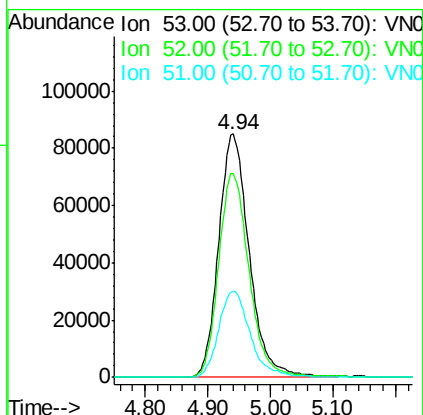
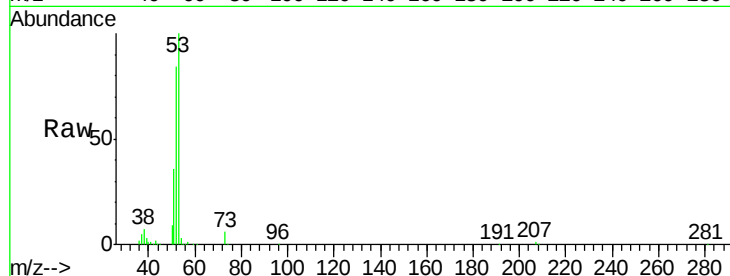
ClientSampled :

VSTDCCC050

Tot Ion:	53	Resp:	287448
Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.8	100.2
51	36.7	29.0	43.6

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#16

Acetone

Concen: 226.832 ug/l

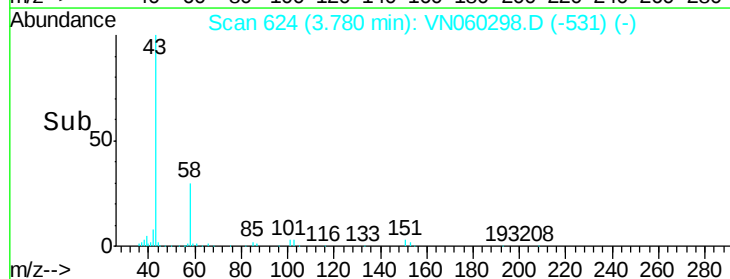
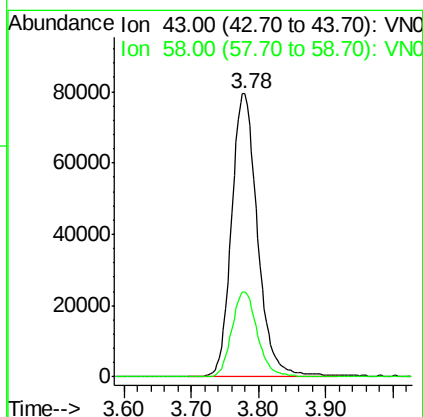
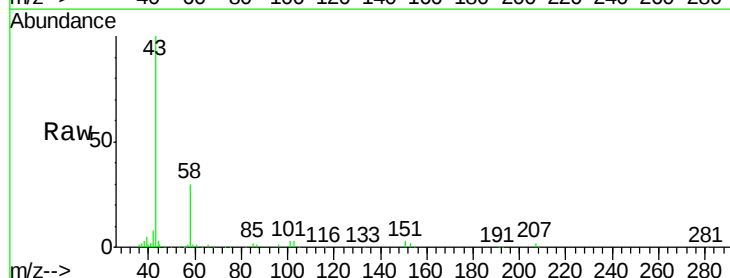
RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN060298.D

Acq: 2 Mar 2020 9:29

Tgt Ion:	43	Resp:	213640
Ion	Ratio	Lower	Upper
43	100		
58	29.9	24.6	36.8





#17

Carbon Disulfide

Concen: 45.751 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060298.D

Acq: 2 Mar 2020 9:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 265499

Ion Ratio Lower Upper

76 100

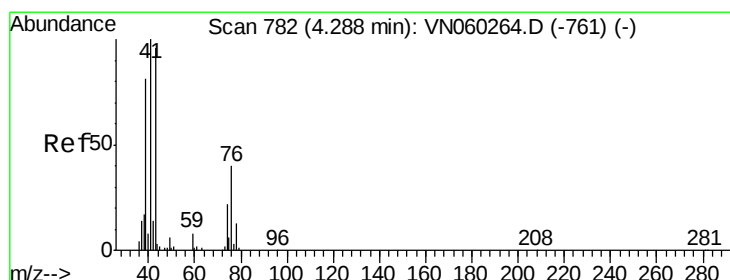
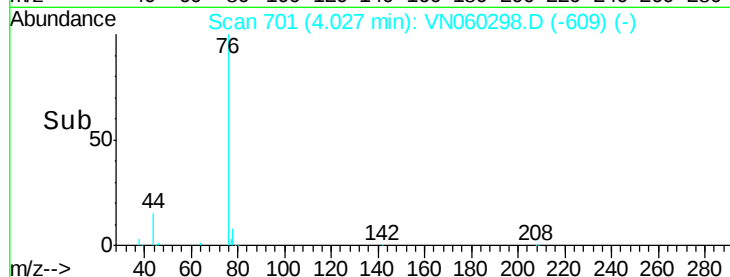
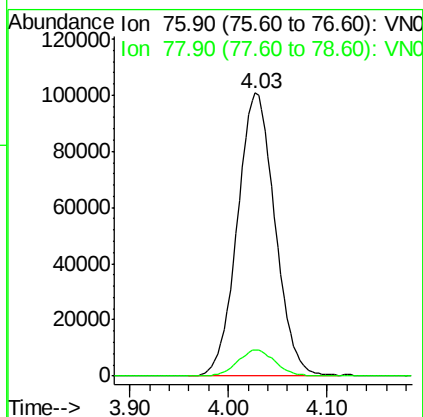
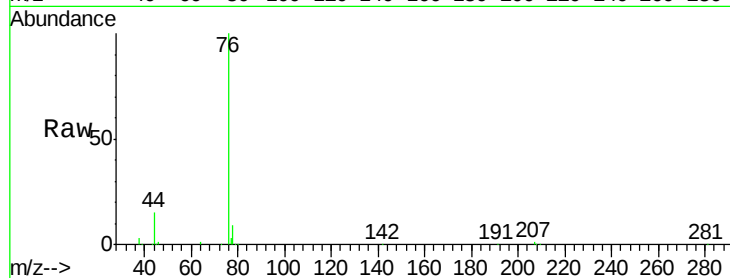
78 9.3 7.4 11.0

Manual Integrations

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#18

Methyl Acetate

Concen: 47.310 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.00 min

Lab File: VN060298.D

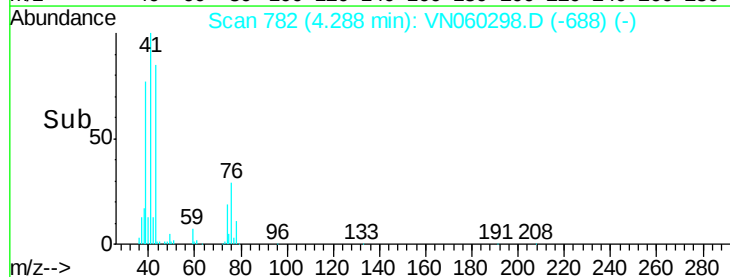
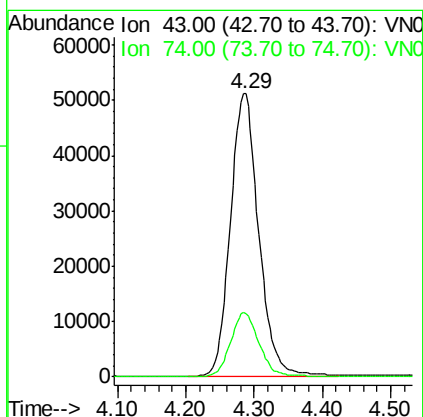
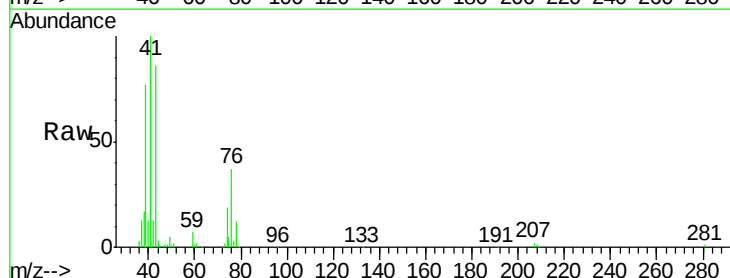
Acq: 2 Mar 2020 9:29

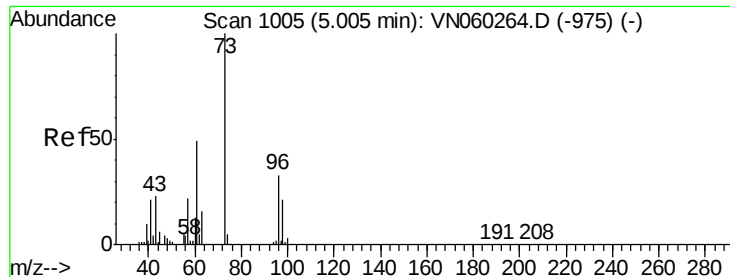
Tgt Ion: 43 Resp: 148699

Ion Ratio Lower Upper

43 100

74 22.6 18.8 28.2





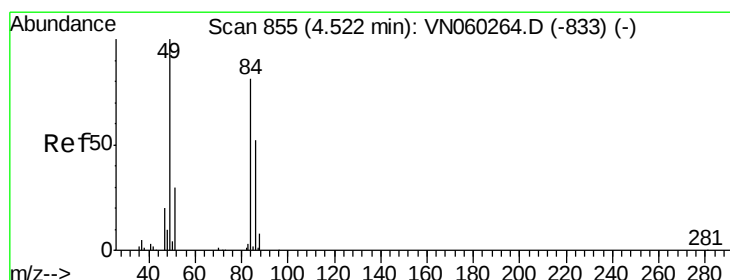
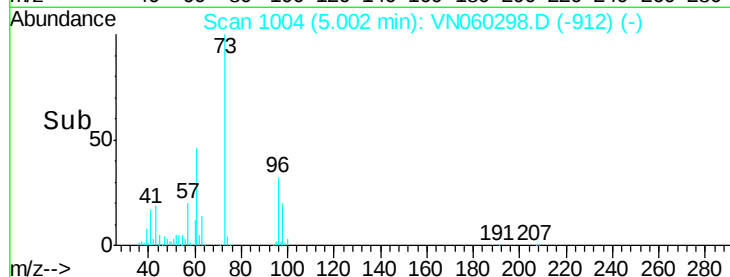
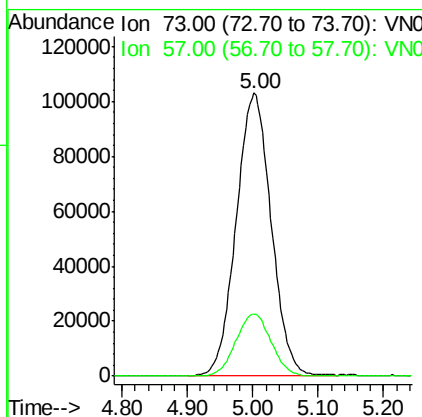
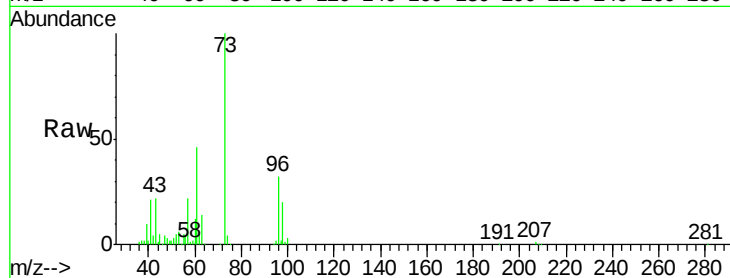
#19
Methvl tert-butvl Ether
Concen: 47.856 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060298.D
Acq: 2 Mar 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 379457
Ion Ratio Lower Upper
73 100
57 22.1 17.3 25.9

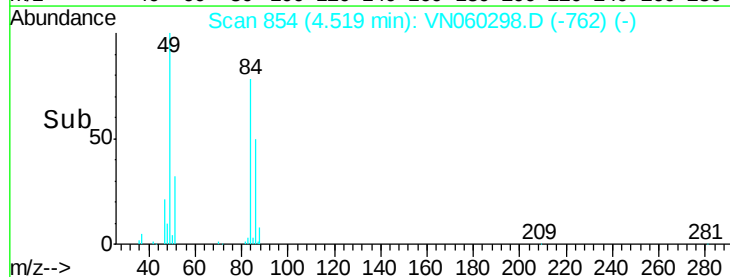
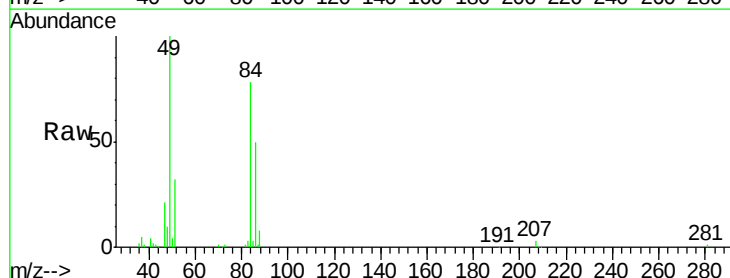
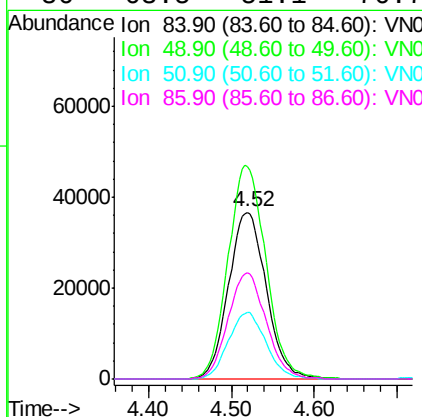
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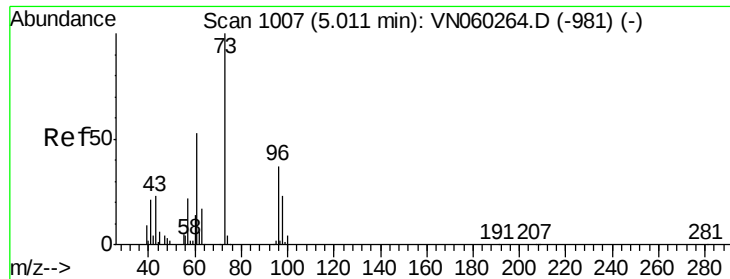
MMDadoda
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#20
Methylene Chloride
Concen: 44.948 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060298.D
Acq: 2 Mar 2020 9:29

Tgt Ion: 84 Resp: 116262
Ion Ratio Lower Upper
84 100
49 127.6 99.3 148.9
51 40.4 30.1 45.1
86 63.5 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 45.213 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VN060298.D

Acq: 2 Mar 2020 9:29

Instrument :

MSVOA_N

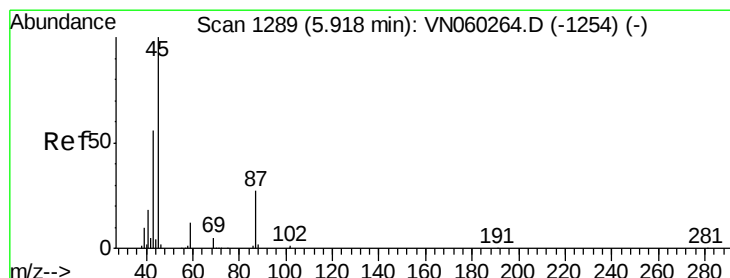
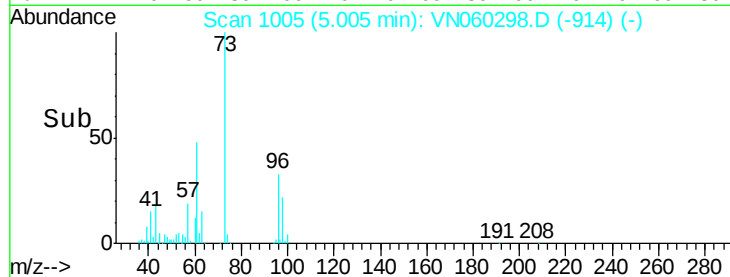
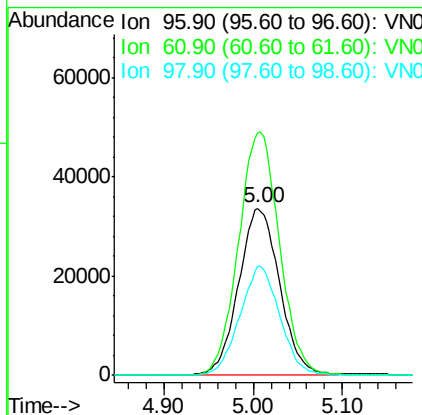
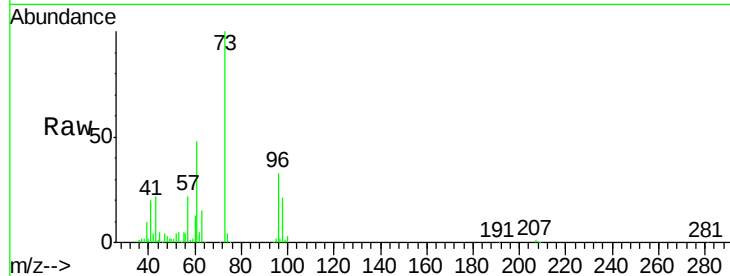
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	106184
Ion	Ratio	Lower	Upper
96	100		
61	145.7	113.8	170.8
98	65.5	48.8	73.2

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#22

Diisopropyl ether

Concen: 48.775 ug/l

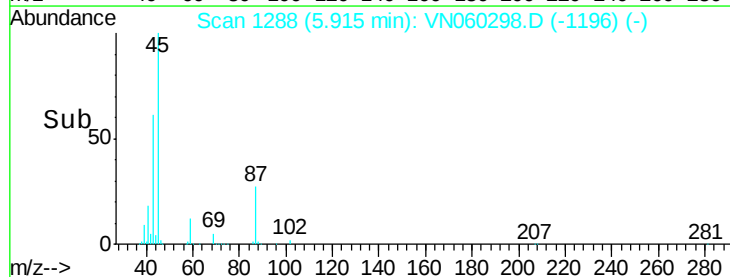
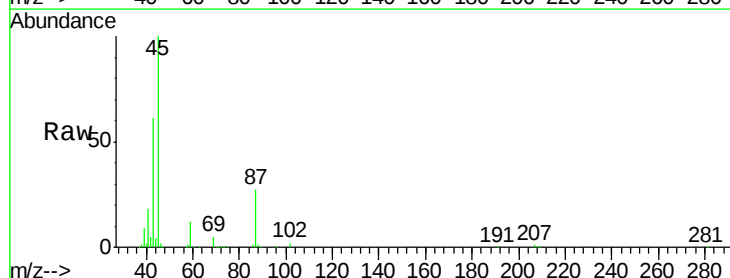
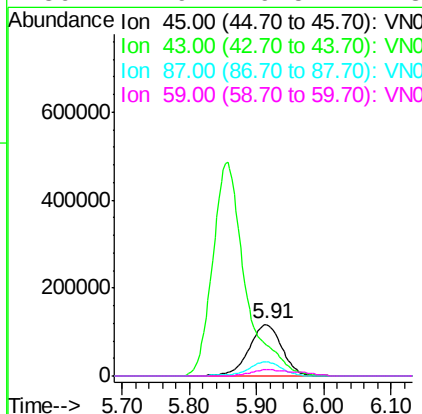
RT: 5.91 min Scan# 1288

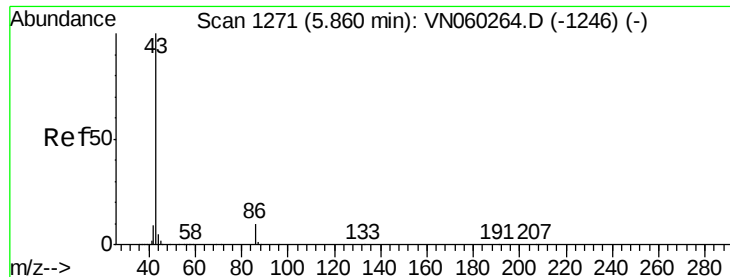
Delta R.T. -0.00 min

Lab File: VN060298.D

Acq: 2 Mar 2020 9:29

Tgt Ion:	45	Resp:	397832
Ion	Ratio	Lower	Upper
45	100		
43	59.8	48.6	72.8
87	27.2	22.2	33.2
59	11.9	9.5	14.3





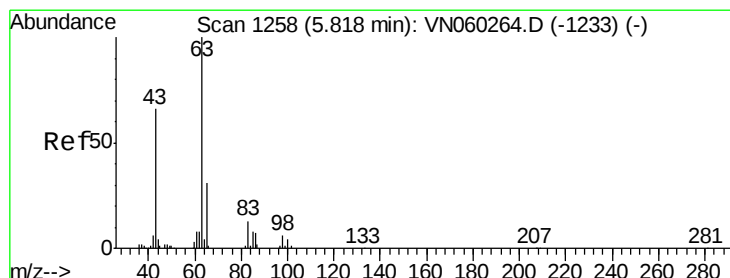
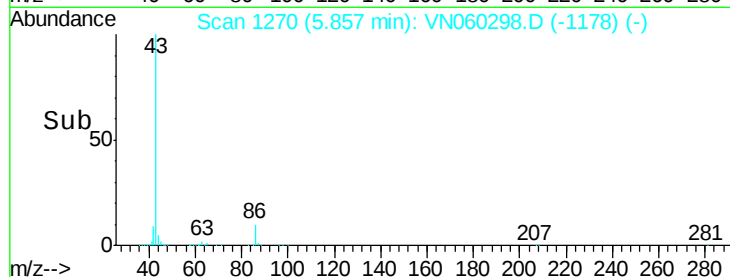
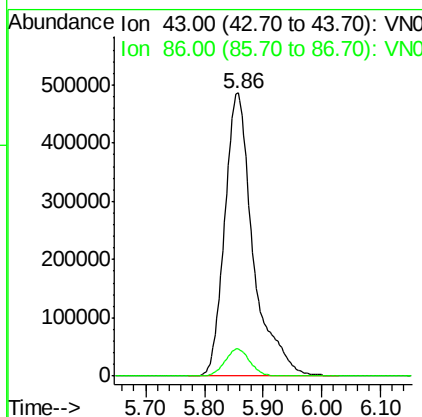
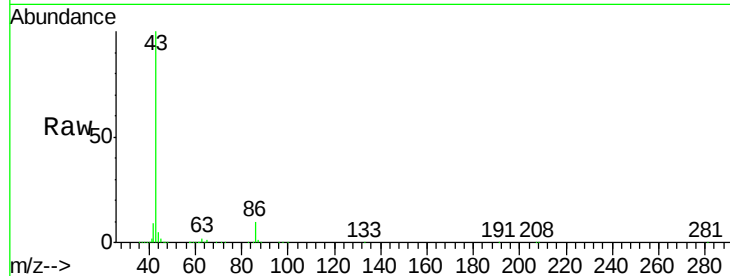
#23
 Vinyl Acetate
 Concen: 252.885 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VN060298.D
 Acq: 2 Mar 2020 9:29

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 43 Resp: 1639035
 Ion Ratio Lower Upper
 43 100
 86 9.7 8.0 12.0

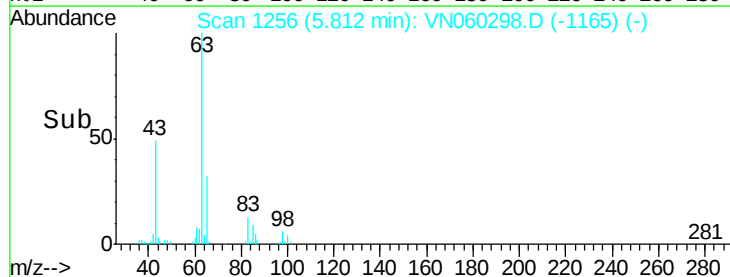
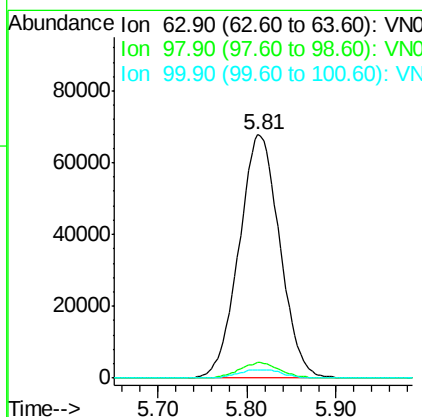
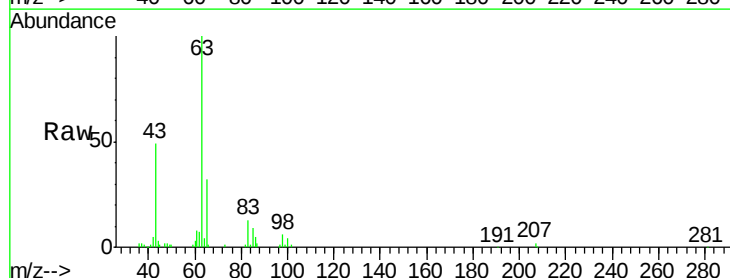
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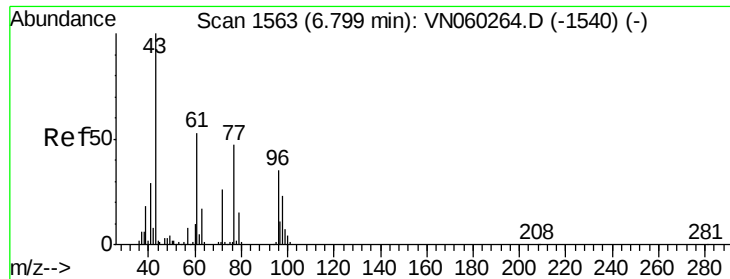
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 46.687 ug/l
 RT: 5.81 min Scan# 1256
 Delta R.T. -0.01 min
 Lab File: VN060298.D
 Acq: 2 Mar 2020 9:29

Tgt Ion: 63 Resp: 215554
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.0 9.0
 100 3.6 2.0 6.0





#25

2-Butanone

Concen: 248.770 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060298.D

Acq: 2 Mar 2020 9:29

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 378454

Ion Ratio Lower Upper

43 100

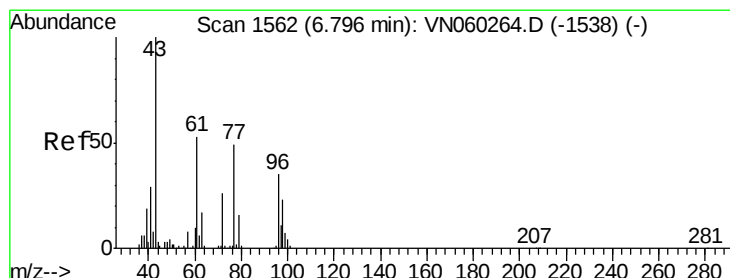
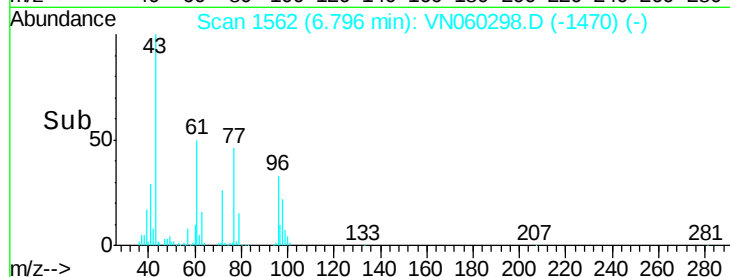
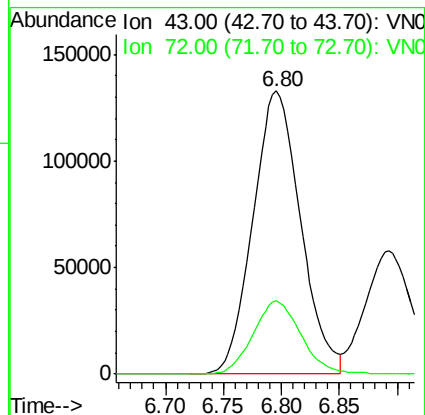
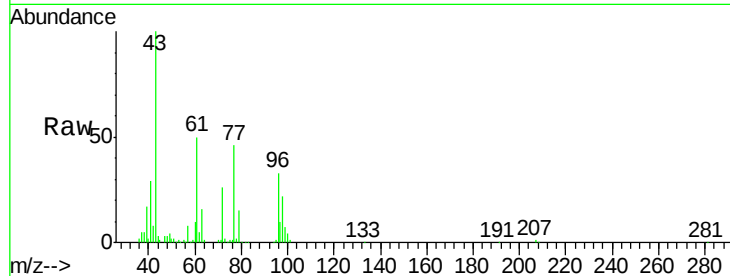
72 25.9 20.9 31.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 46.349 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060298.D

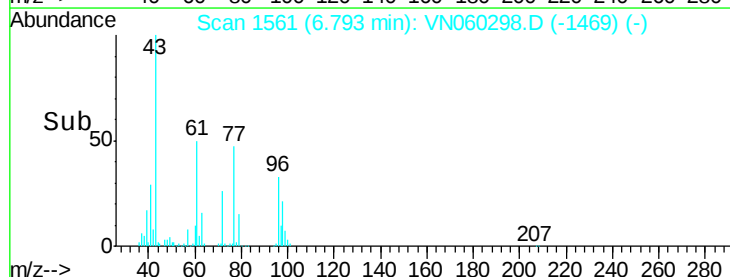
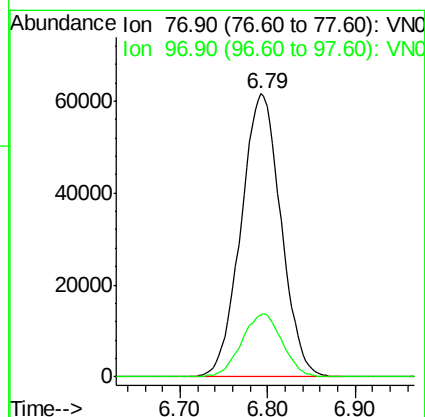
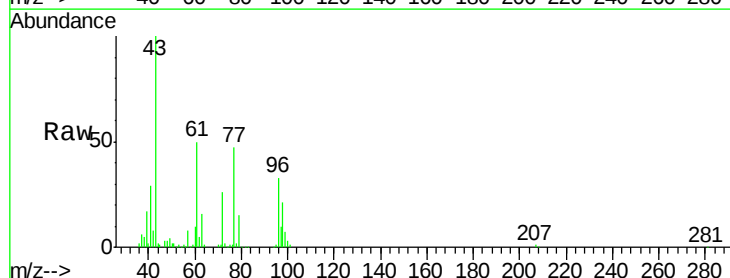
Acq: 2 Mar 2020 9:29

Tgt Ion: 77 Resp: 194817

Ion Ratio Lower Upper

77 100

97 22.6 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 43.272 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060298.D

Acq: 2 Mar 2020 9:29

Instrument :

MSVOA_N

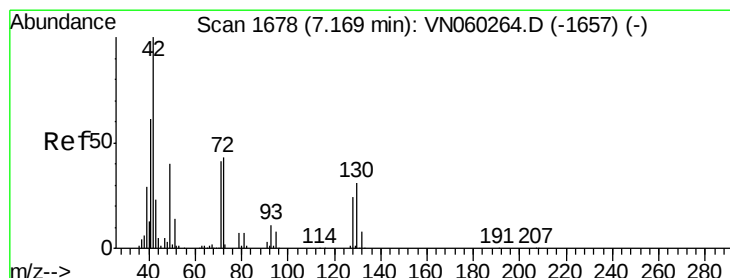
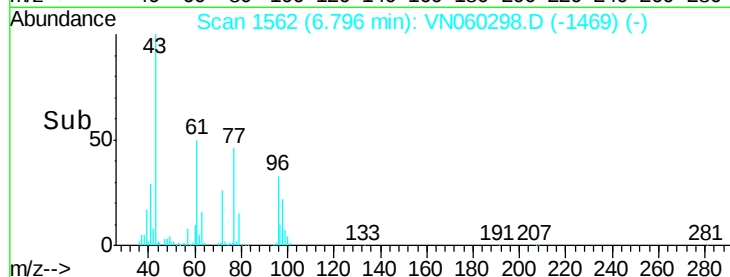
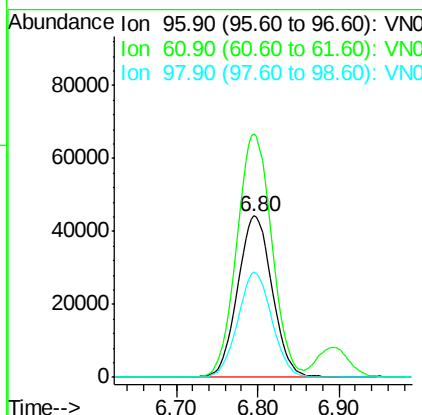
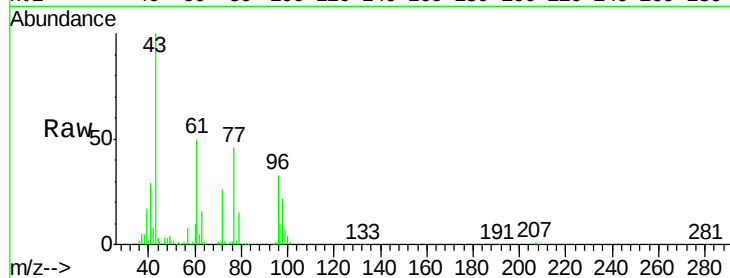
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	129785
Ion Ratio	Lower	Upper	
96	100		
61	152.5	0.0	300.8
98	64.1	0.0	128.2

Manual Integrations
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#28

Bromochloromethane

Concen: 46.718 ug/l

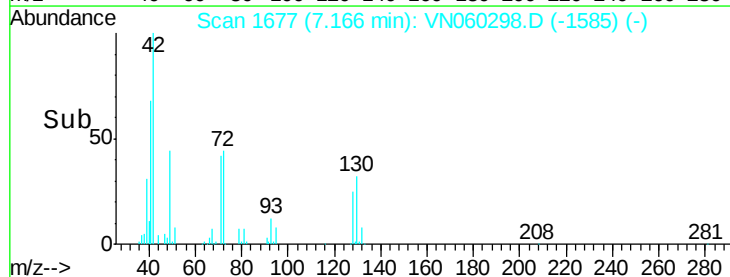
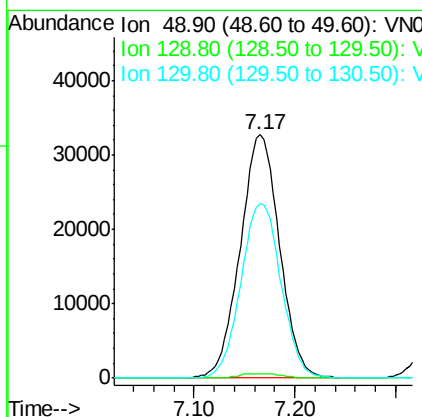
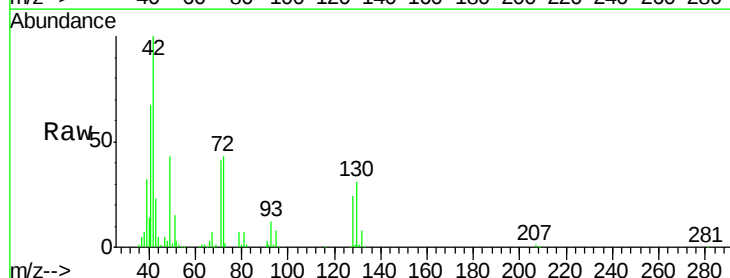
RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060298.D

Acq: 2 Mar 2020 9:29

Tgt Ion:	49	Resp:	88561
Ion Ratio	Lower	Upper	
49	100		
129	1.9	0.0	3.8
130	73.1	59.8	89.8





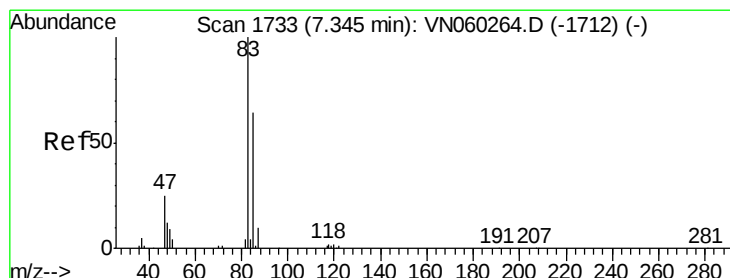
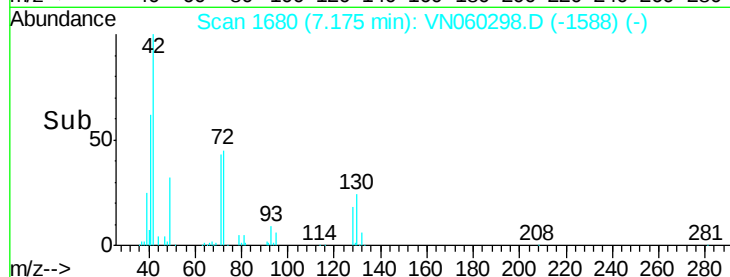
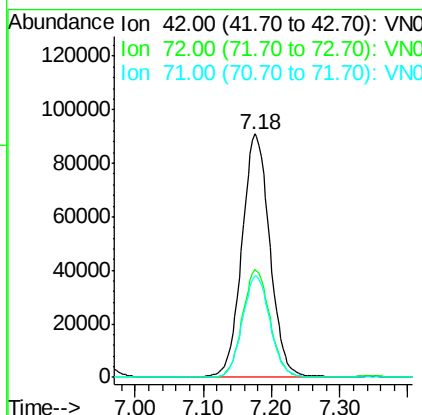
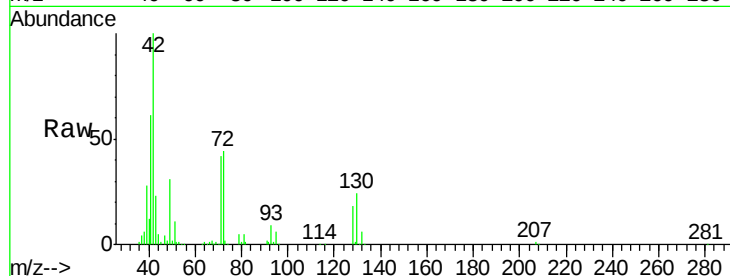
#29
Tetrahydrofuran
Concen: 244.573 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN060298.D
Acq: 2 Mar 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	34.6	52.0
71	41.2	32.9	49.3

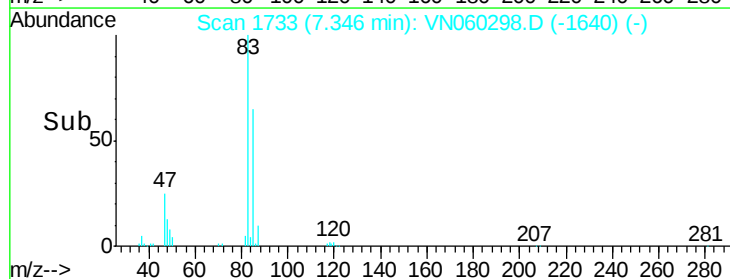
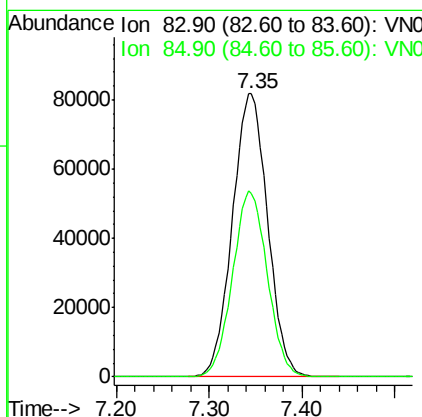
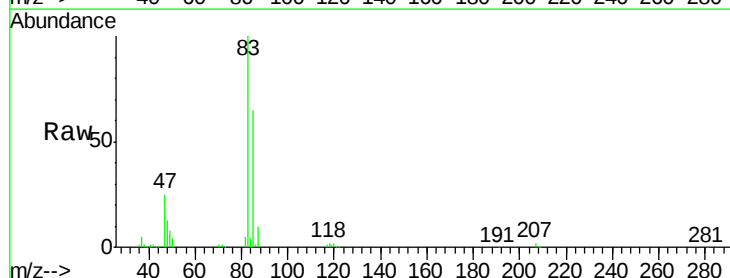
Manual Integrations
APPROVED

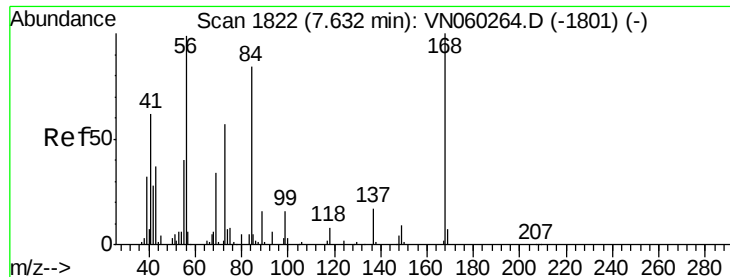
MMDadoda
3/3/2020 10:04:31 AM



#30
Chloroform
Concen: 46.891 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060298.D
Acq: 2 Mar 2020 9:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.4	77.2





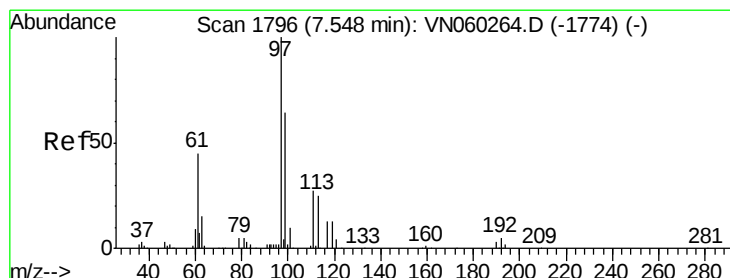
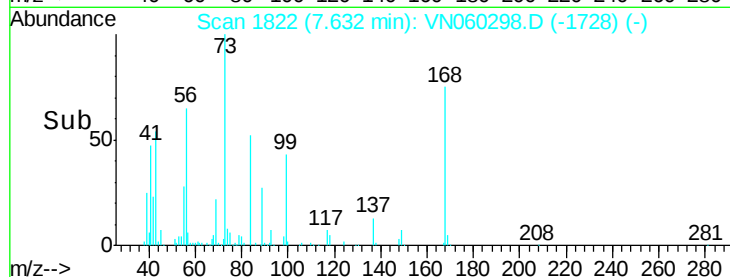
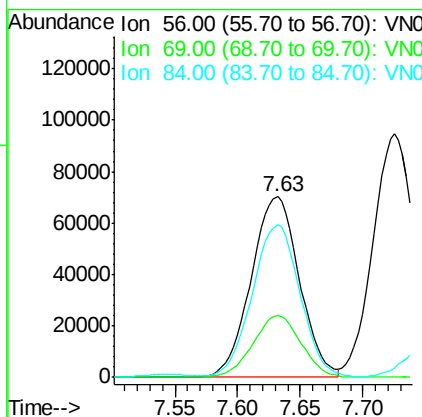
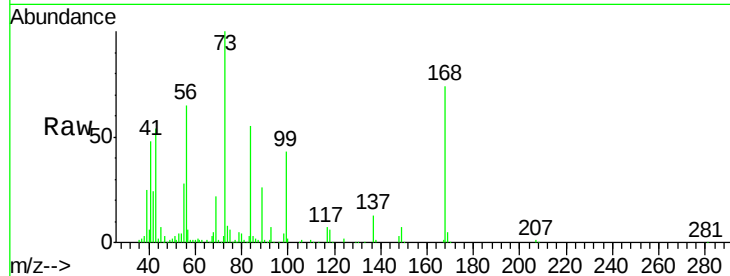
#31
Cyclohexane
Concen: 47.668 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060298.D
Acq: 2 Mar 2020 9:29

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	33.9	27.2	40.8	
84	83.3	66.7	100.1	

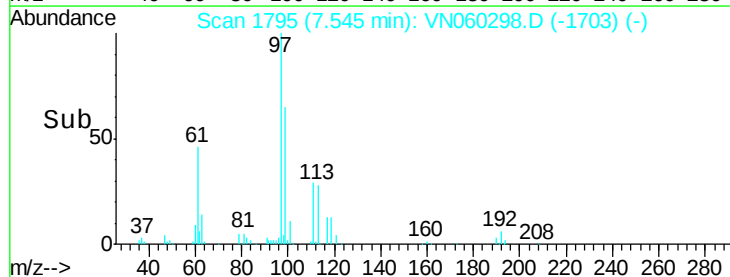
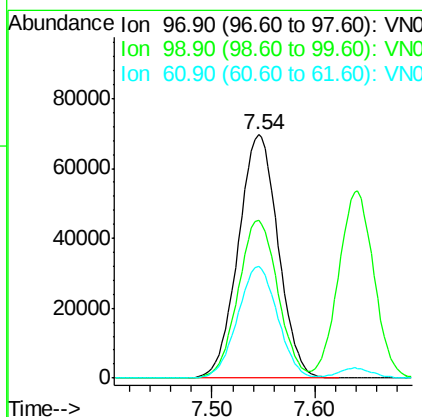
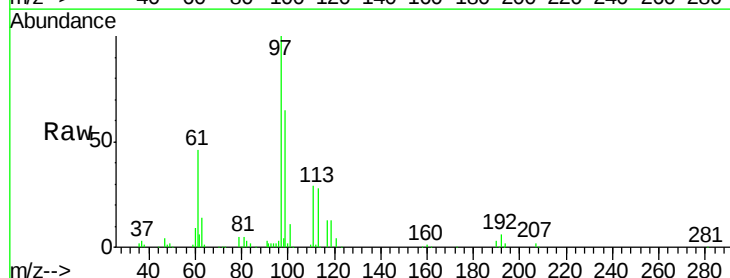
Manual Integrations
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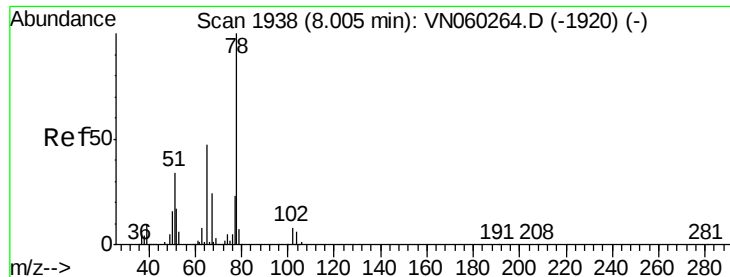
MMDadoda
3/3/2020 10:04:31 AM



#32
1,1,1-Trichloroethane
Concen: 46.007 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060298.D
Acq: 2 Mar 2020 9:29

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.7	51.4	77.0	
61	45.9	36.6	55.0	





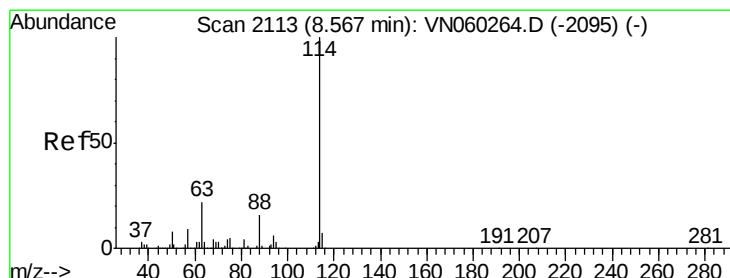
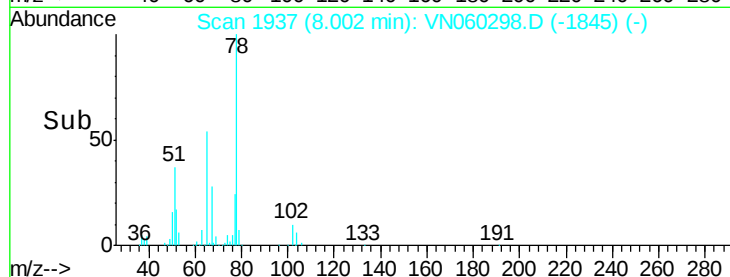
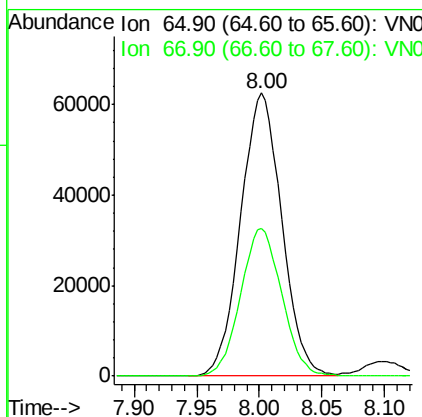
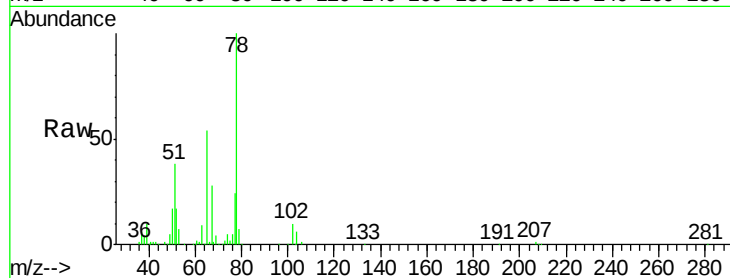
#33
 1,2-Dichloroethane-d4
 Concen: 49.012 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060298.D
 Acq: 2 Mar 2020 9:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.2	0.0	103.8	

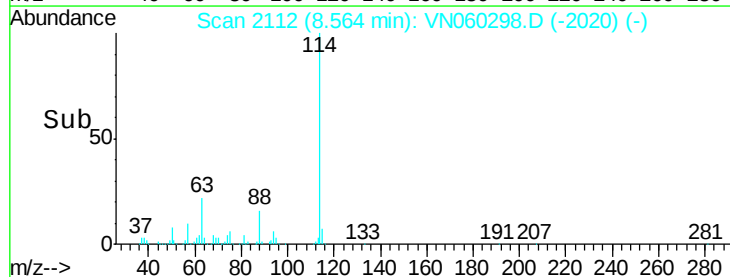
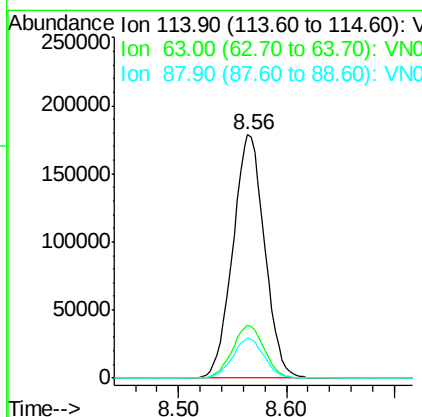
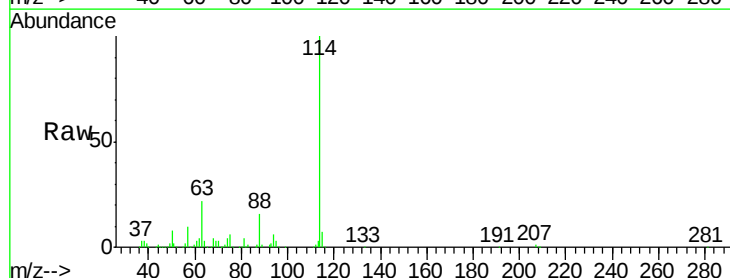
Manual Integrations
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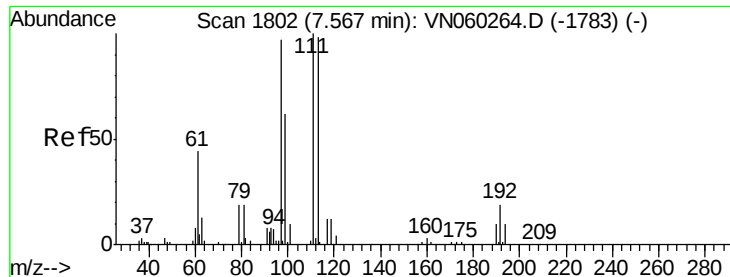
MMDadoda
 3/3/2020 10:04:31 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060298.D
 Acq: 2 Mar 2020 9:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.6	0.0	43.2	
88	16.3	0.0	31.6	





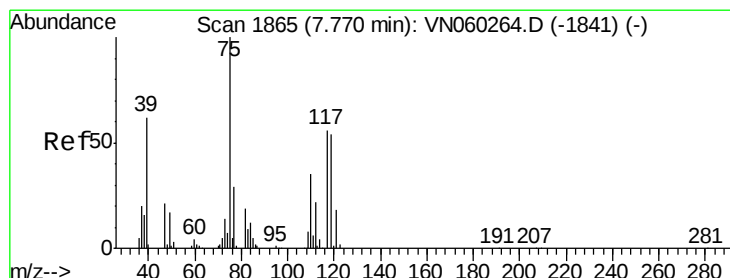
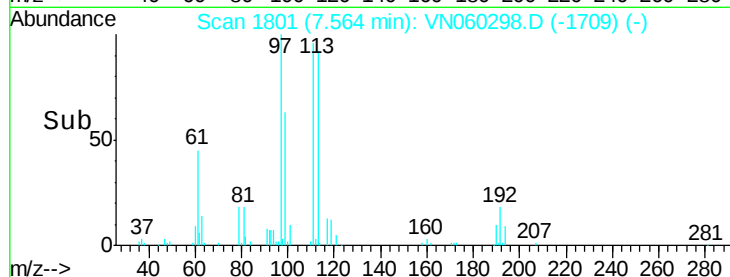
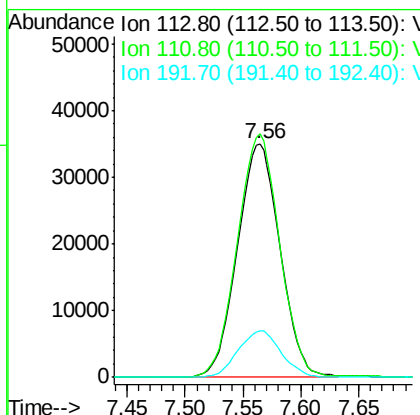
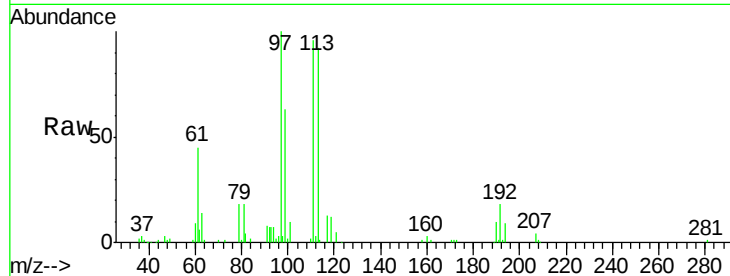
#35
 Dibromofluoromethane
 Concen: 52.725 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060298.D
 Acq: 2 Mar 2020 9:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	89504		
111	103.1	82.4	123.6	
192	19.9	16.2	24.2	

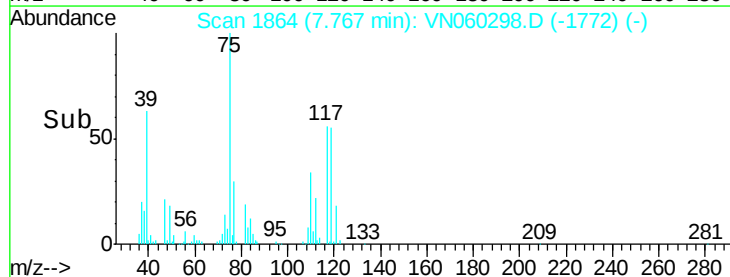
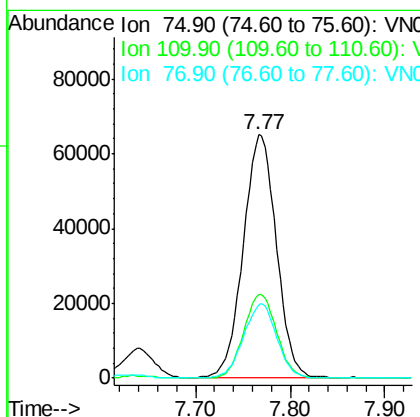
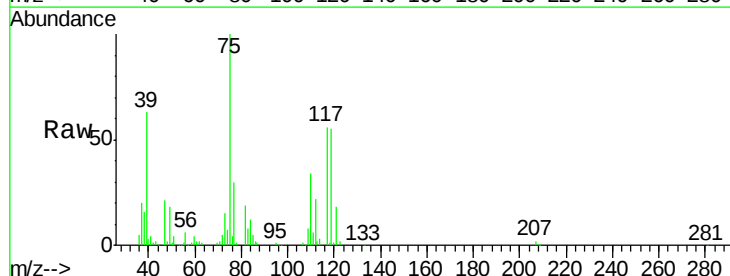
Manual Integrations
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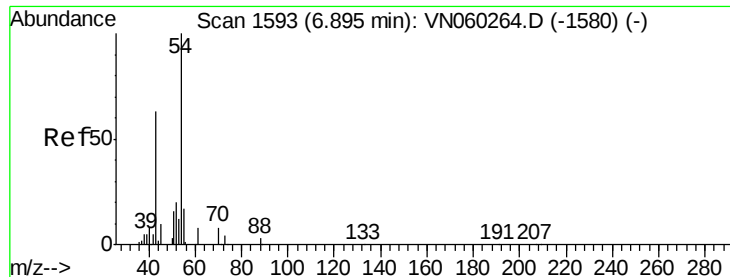
MMDadoda
 3/3/2020 10:04:31 AM



#36
 1,1-Dichloropropene
 Concen: 45.193 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN060298.D
 Acq: 2 Mar 2020 9:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	157521		
110	34.3	17.3	52.0	
77	30.9	24.2	36.2	





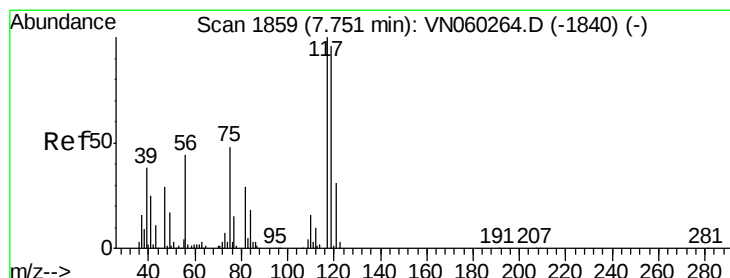
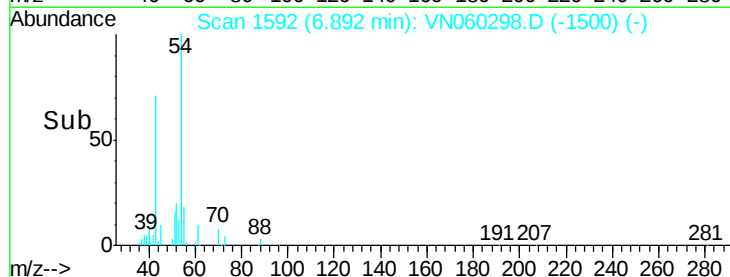
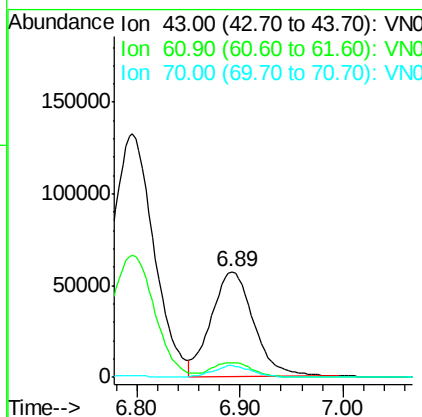
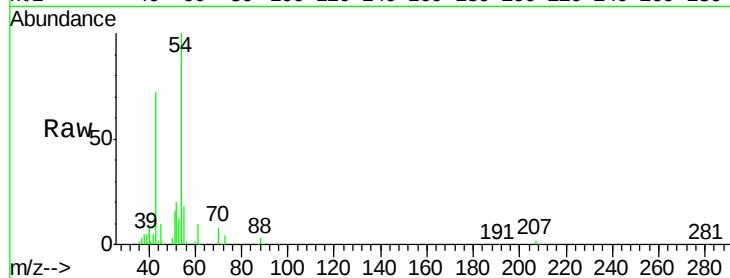
#37
Ethyl Acetate
Concen: 49.775 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060298.D
Acq: 2 Mar 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.1	16.7
70	10.4	8.4	12.6

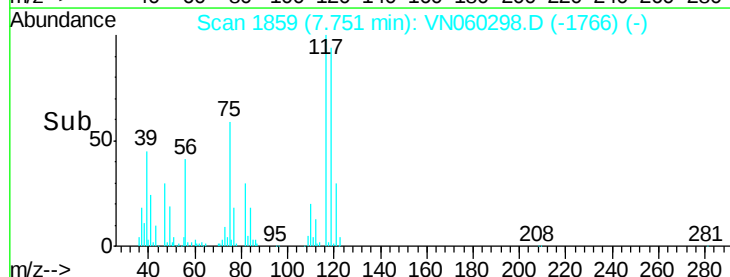
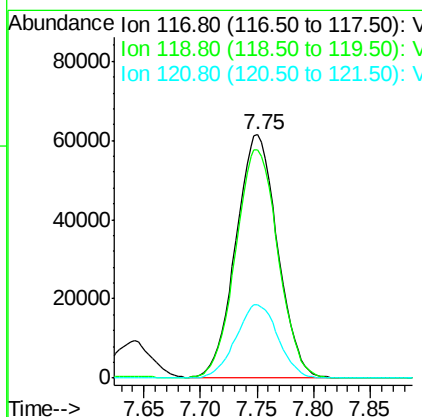
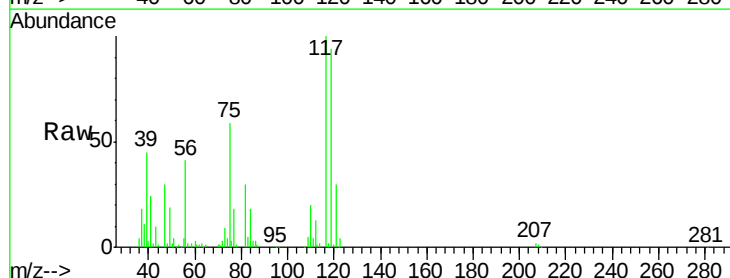
Manual Integrations
APPROVED

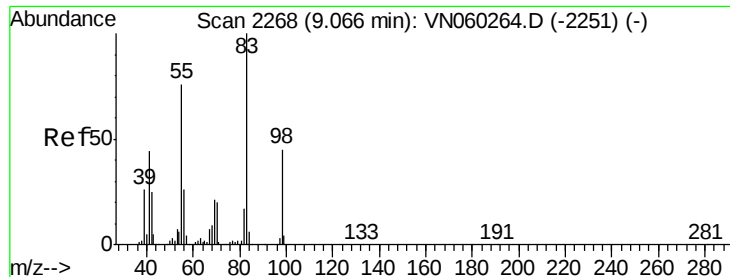
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#38
Carbon Tetrachloride
Concen: 46.523 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060298.D
Acq: 2 Mar 2020 9:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.8	76.7	115.1
121	30.2	24.5	36.7





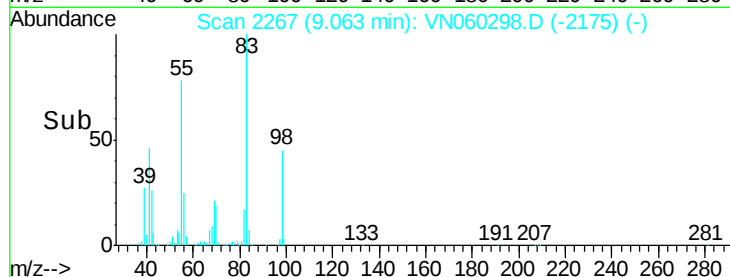
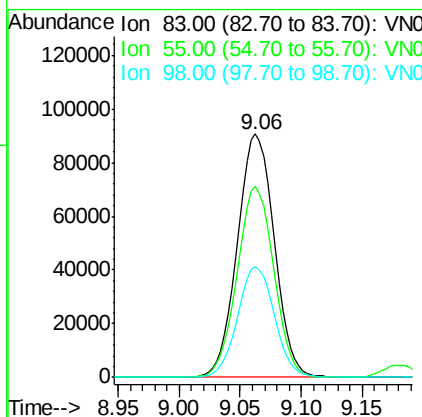
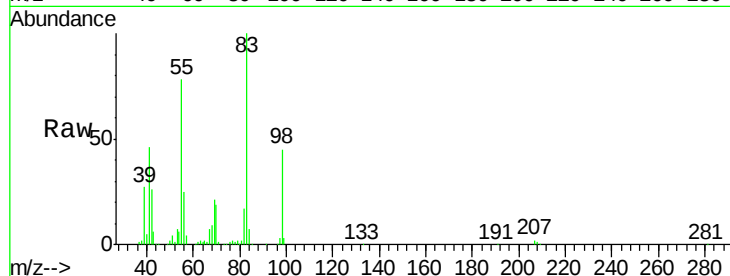
#39
Methvlcvclohexane
Concen: 46.217 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060298.D
Acq: 2 Mar 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	189932
Ion	Ratio	Lower	Upper
83	100		
55	78.3	61.0	91.4
98	45.5	36.1	54.1

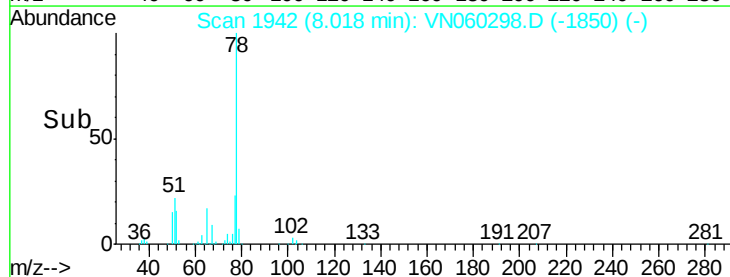
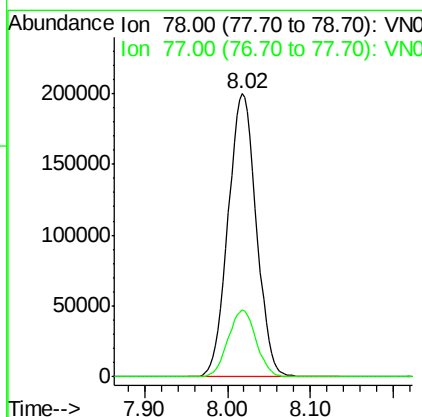
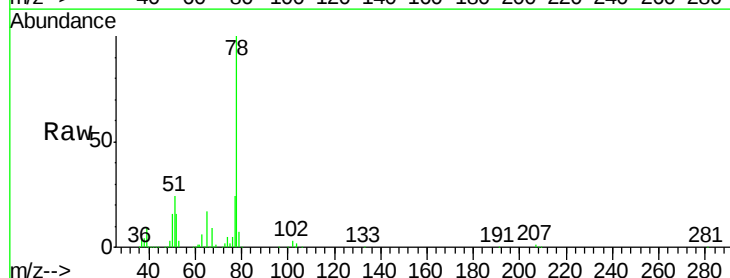
Manual Integrations
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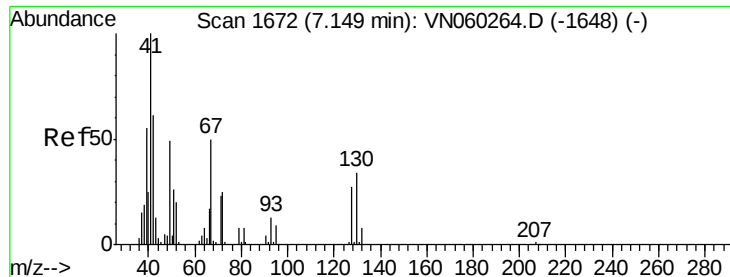
MMDadoda
3/3/2020 10:04:31 AM



#40
Benzene
Concen: 46.690 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060298.D
Acq: 2 Mar 2020 9:29

Tgt Ion	78	Resp	473656
Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2





#41

Methacrylonitrile

Concen: 51.341 ug/l m

RT: 7.15 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VN060298.D

Acq: 2 Mar 2020 9:29

Instrument :

MSVOA_N

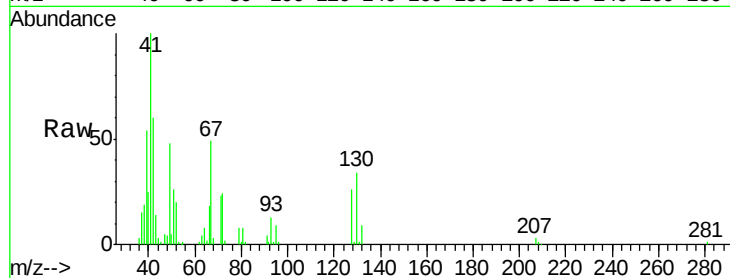
ClientSampled :

VSTDCCC050

Tot Ion	41	Resp	78237
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
3/3/2020 10:04:31 AM

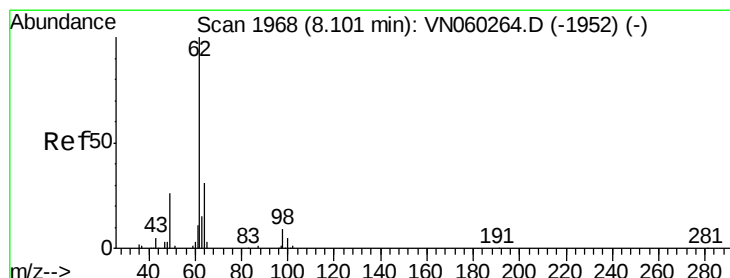
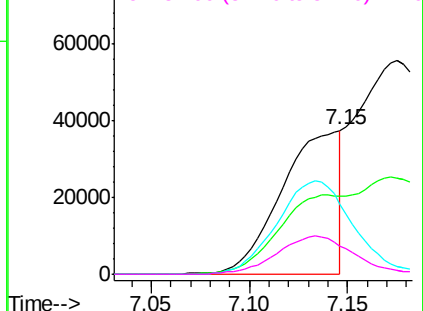
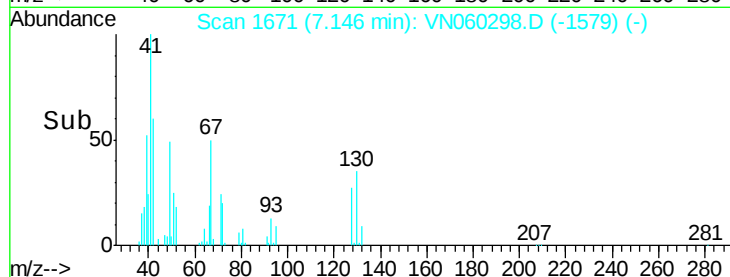


Abundance Ion 41.00 (40.70 to 41.70): VN060298.D (-1579) (-)

Ion 39.00 (38.70 to 39.70): VN060298.D (-1579) (-)

Ion 67.00 (66.70 to 67.70): VN060298.D (-1579) (-)

Ion 52.00 (51.70 to 52.70): VN060298.D (-1579) (-)



#42

1,2-Dichloroethane

Concen: 47.935 ug/l

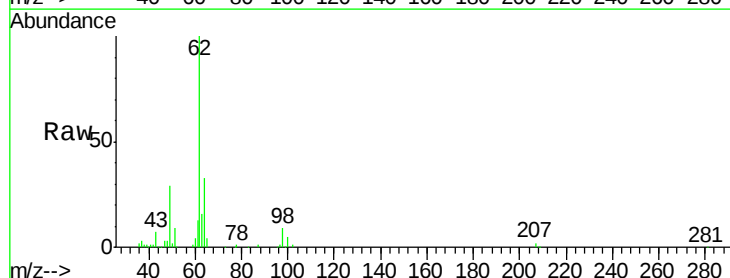
RT: 8.10 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VN060298.D

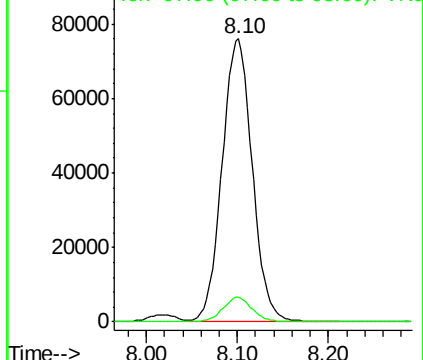
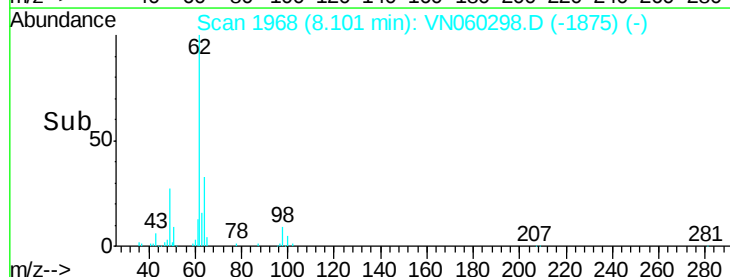
Acq: 2 Mar 2020 9:29

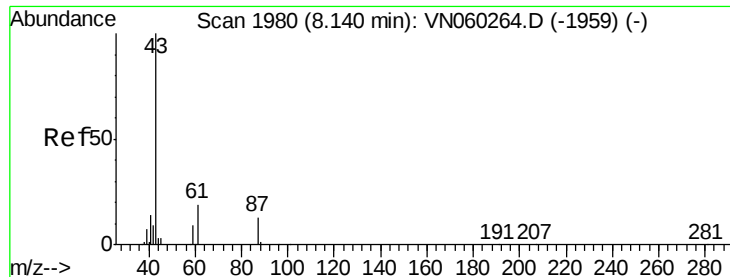
Tgt Ion	62	Resp	175480
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.0



Abundance Ion 61.90 (61.60 to 62.60): VN060298.D (-1875) (-)

Ion 97.90 (97.60 to 98.60): VN060298.D (-1875) (-)





#43

Isopropyl Acetate

Concen: 50.566 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060298.D

Acq: 2 Mar 2020 9:29

Instrument :

MSVOA_N

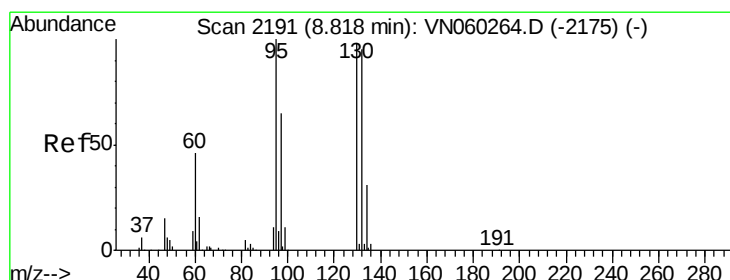
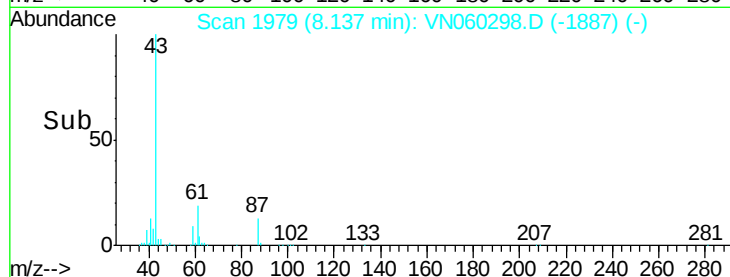
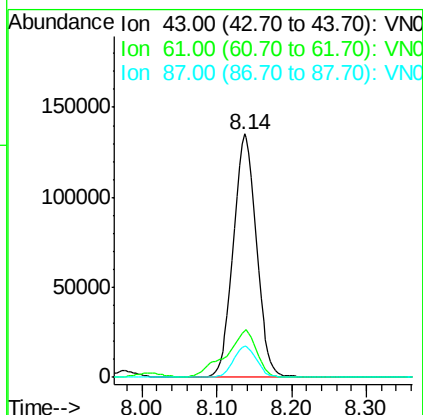
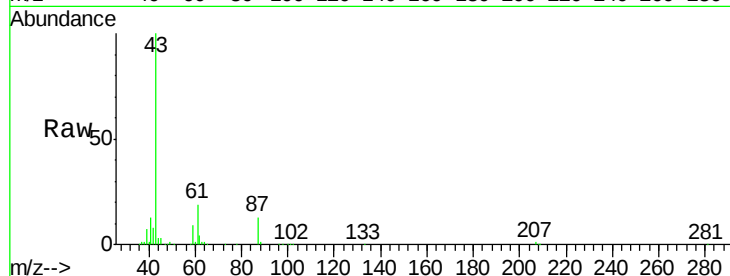
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	292162
Ion	Ratio	Lower	Upper
43	100		
61	25.7	20.9	31.3
87	12.7	10.6	16.0

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#44

Trichloroethene

Concen: 45.306 ug/l

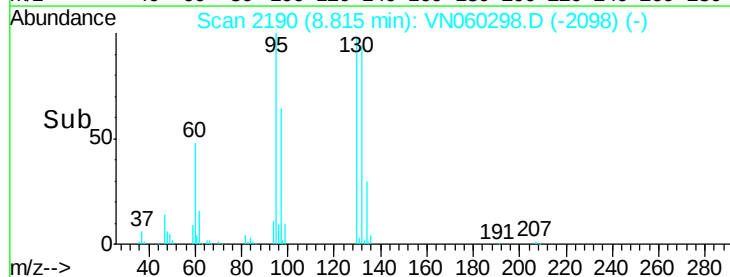
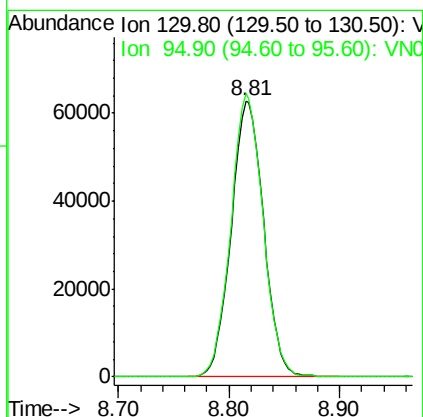
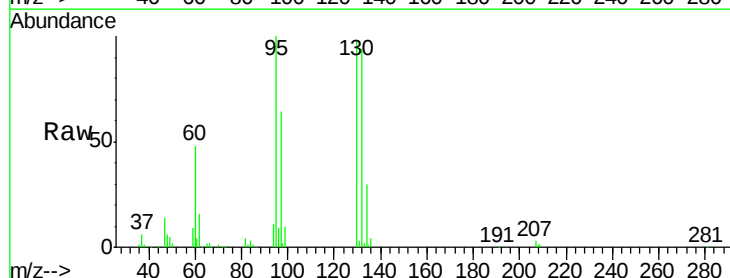
RT: 8.81 min Scan# 2190

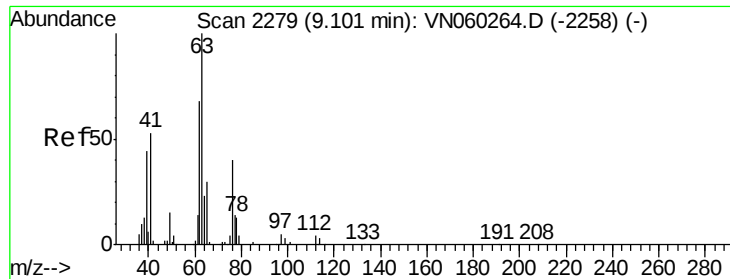
Delta R.T. -0.00 min

Lab File: VN060298.D

Acq: 2 Mar 2020 9:29

Tgt Ion:	130	Resp:	128008
Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	203.4





#45

1,2-Dichloropropane

Concen: 48.774 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN060298.D

Acq: 2 Mar 2020 9:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 129366

Ion Ratio Lower Upper

63 100

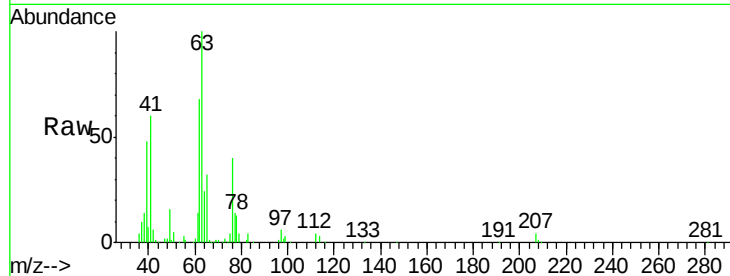
65 31.7 24.4 36.6

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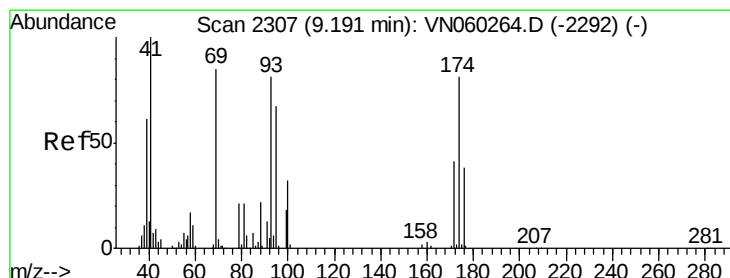
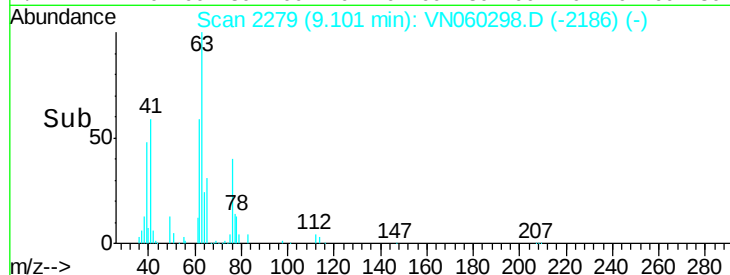
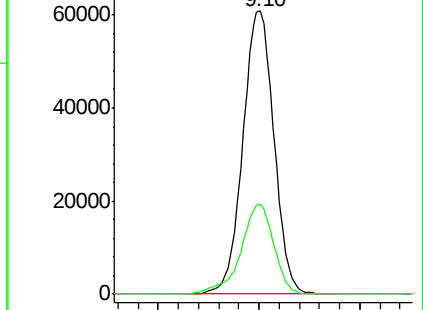
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Abundance Ion 62.90 (62.60 to 63.60): VN060298.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN060298.D (-2186) (-)



#46

Dibromomethane

Concen: 47.878 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060298.D

Acq: 2 Mar 2020 9:29

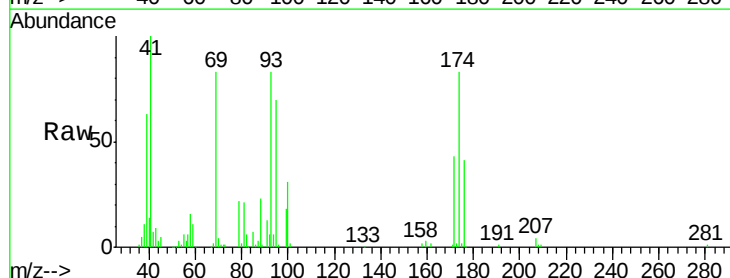
Tgt Ion: 93 Resp: 82399

Ion Ratio Lower Upper

93 100

95 83.5 65.9 98.9

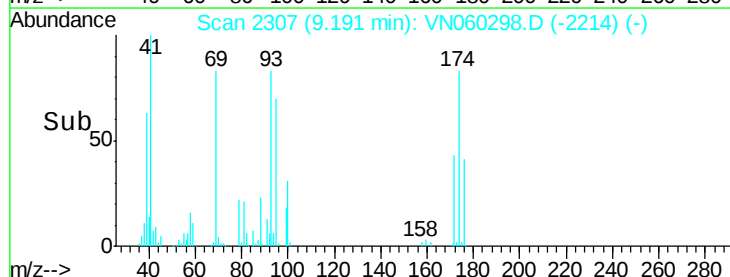
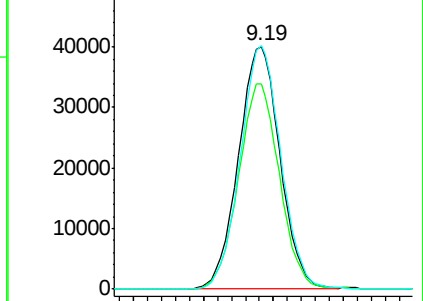
174 98.3 79.6 119.4

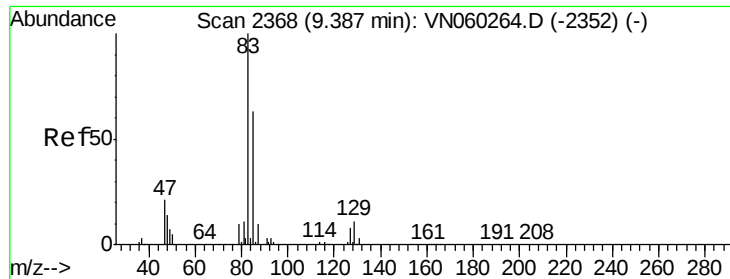


Abundance Ion 92.80 (92.50 to 93.50): VN060298.D (-2214) (-)

Ion 94.80 (94.50 to 95.50): VN060298.D (-2214) (-)

Ion 173.70 (173.40 to 174.40): VN060298.D (-2214) (-)





#47

Bromodichloromethane

Concen: 49.275 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060298.D

Acq: 2 Mar 2020 9:29

Instrument :

MSVOA_N

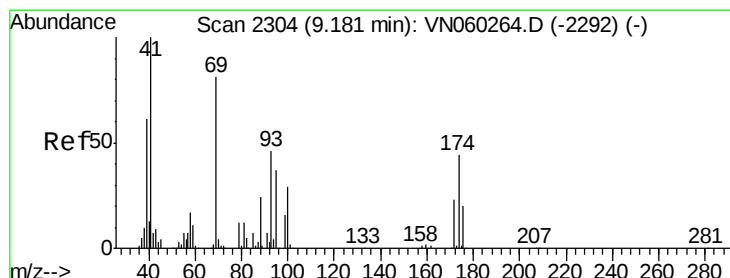
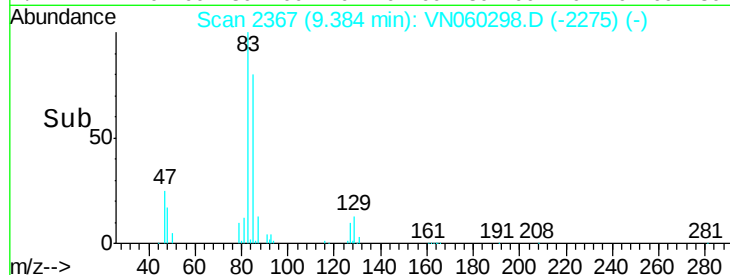
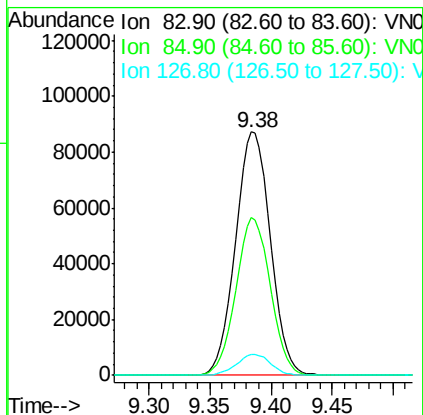
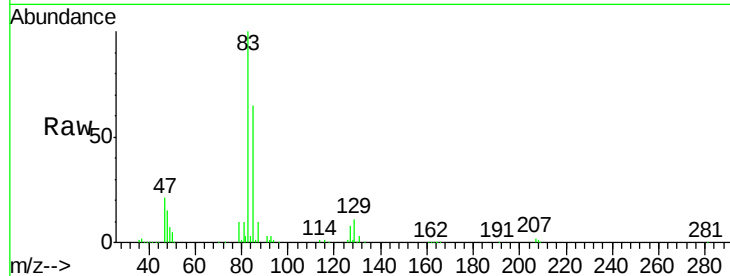
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	172476
Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.7	76.1
127	8.4	6.8	10.2

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#48

Methyl methacrylate

Concen: 49.096 ug/l

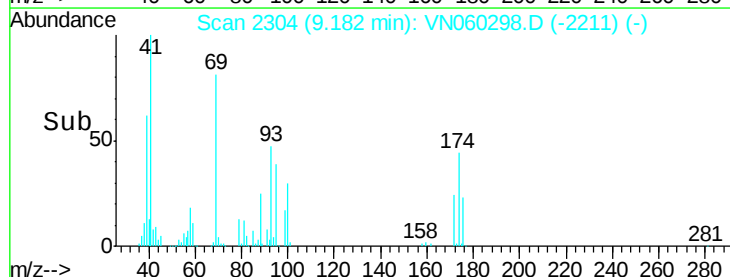
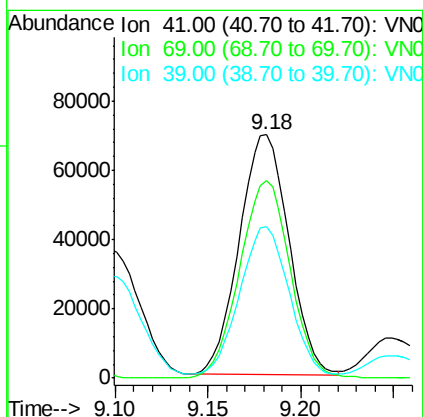
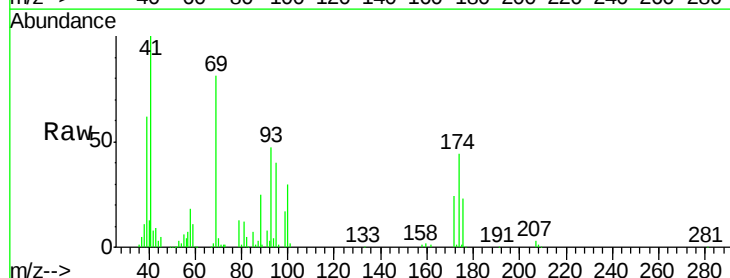
RT: 9.18 min Scan# 2304

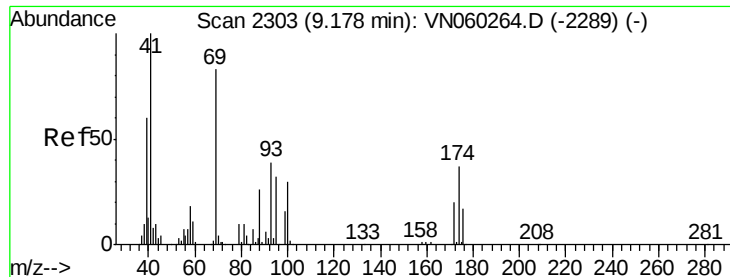
Delta R.T. 0.00 min

Lab File: VN060298.D

Acq: 2 Mar 2020 9:29

Tgt Ion:	41	Resp:	129355
Ion	Ratio	Lower	Upper
41	100		
69	83.5	66.7	100.1
39	63.6	50.1	75.1





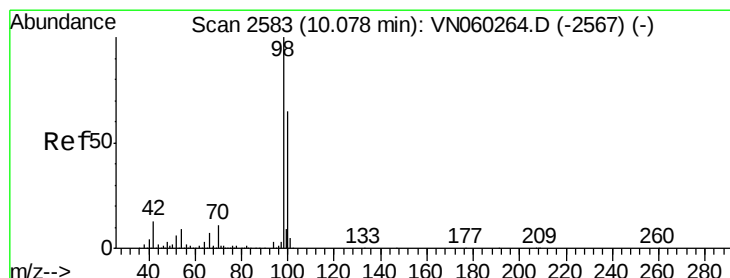
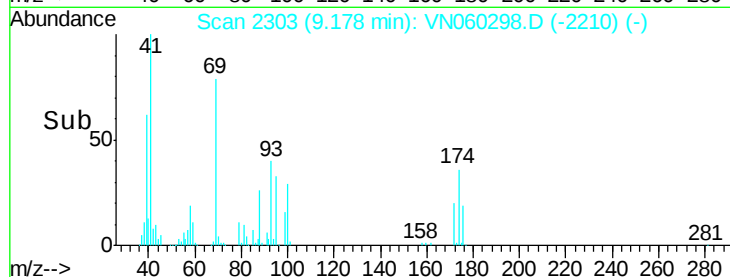
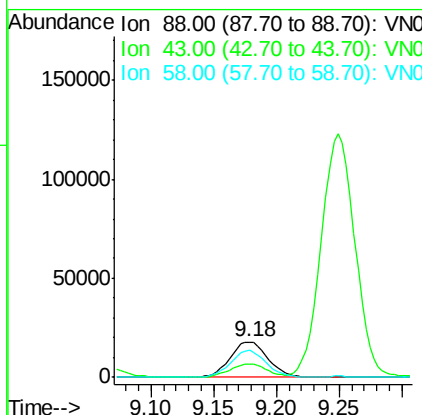
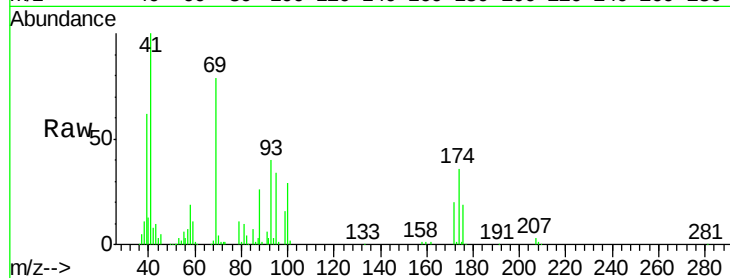
#49
1,4-Dioxane
Concen: 1014.098 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060298.D
Acq: 2 Mar 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.3	30.4	45.6
58	71.8	57.0	85.6

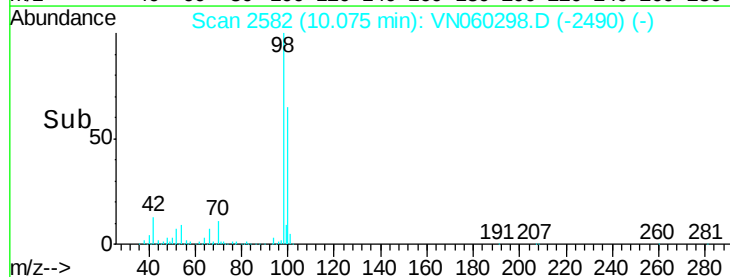
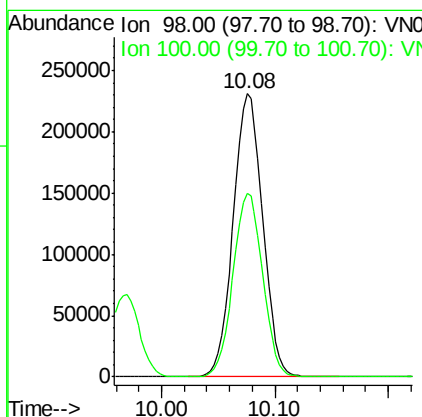
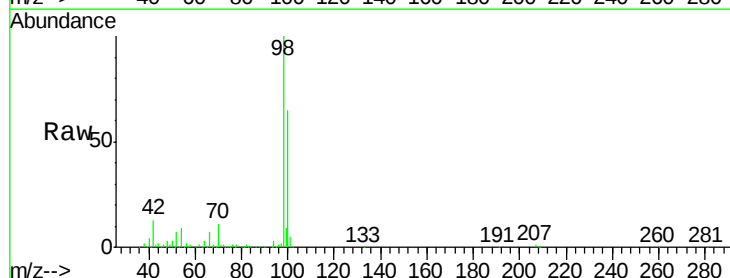
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#50
Toluene-d8
Concen: 48.906 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060298.D
Acq: 2 Mar 2020 9:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 256.122 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060298.D

Acq: 2 Mar 2020 9:29

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 839029

Ion Ratio Lower Upper

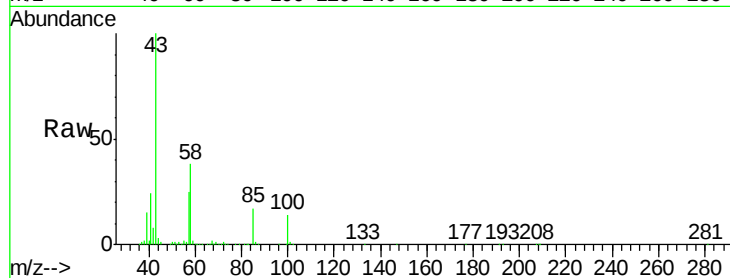
43 100

58 38.3 30.9 46.3

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN060264.D (-2531) (-)

9.97

500000

400000

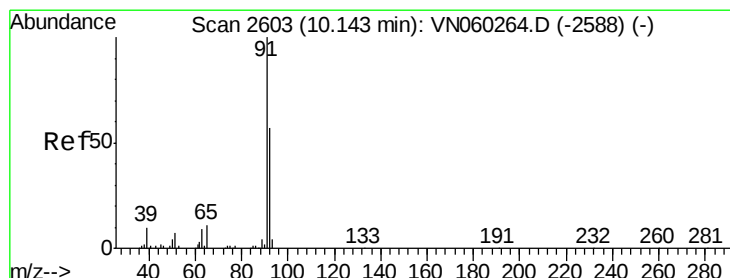
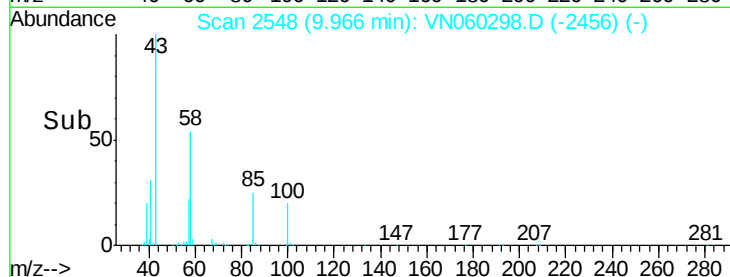
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 46.837 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060298.D

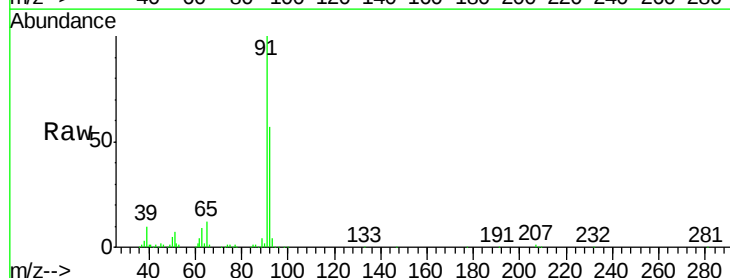
Acq: 2 Mar 2020 9:29

Tgt Ion: 92 Resp: 298474

Ion Ratio Lower Upper

92 100

91 173.3 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VN060264.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN060264.D (-2588) (-)

10.14

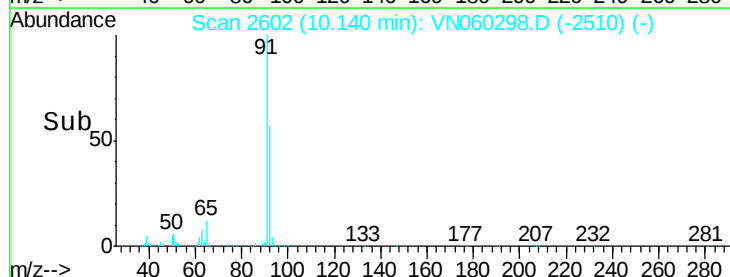
300000

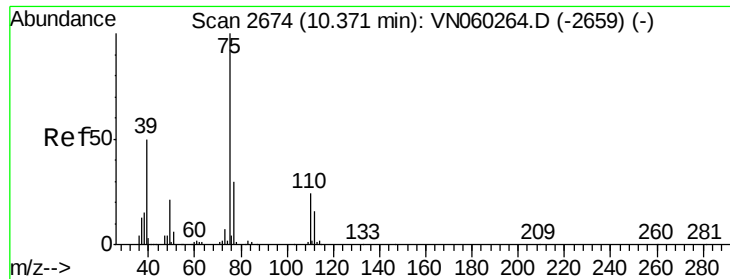
200000

100000

0

Time-->





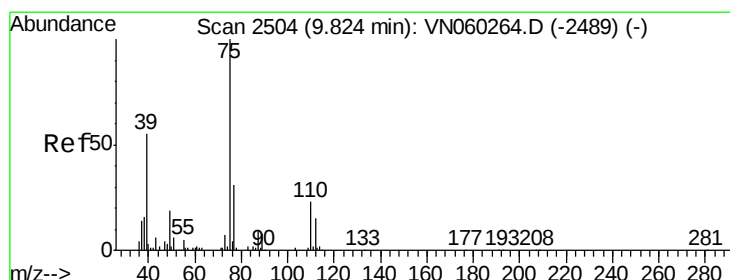
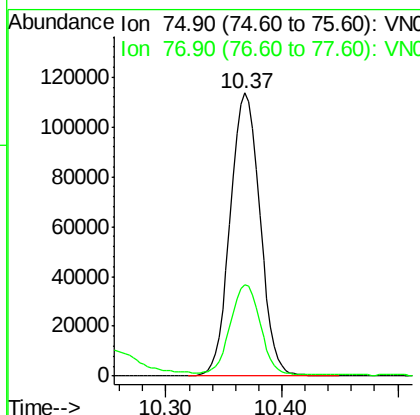
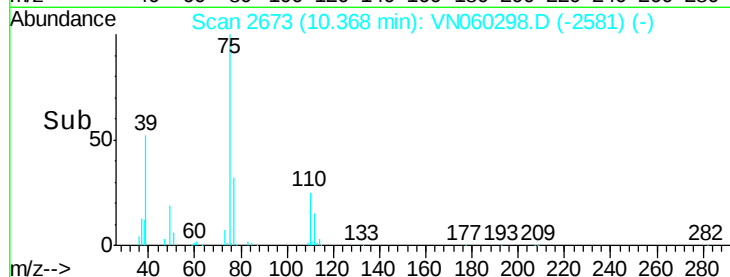
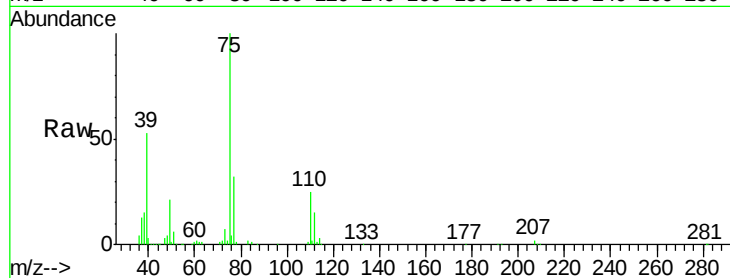
#53
t-1,3-Dichloropropene
Concen: 47.253 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060298.D
Acq: 2 Mar 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 202670
Ion Ratio Lower Upper
75 100
77 31.9 24.8 37.2

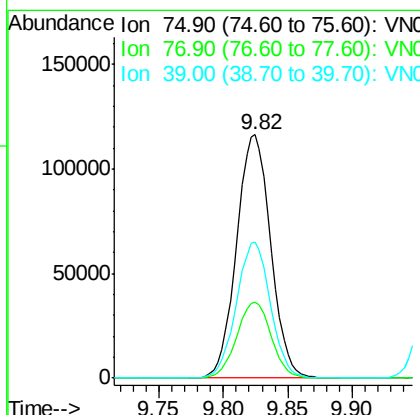
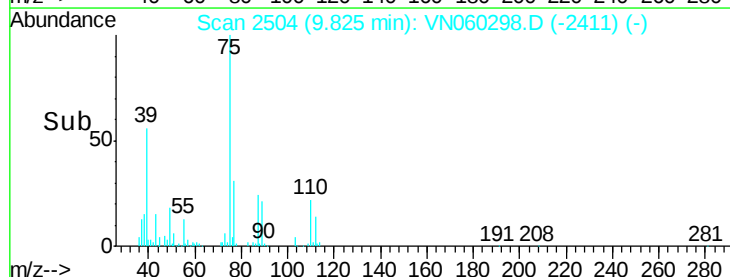
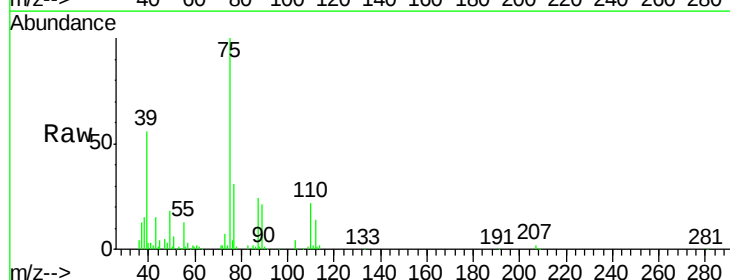
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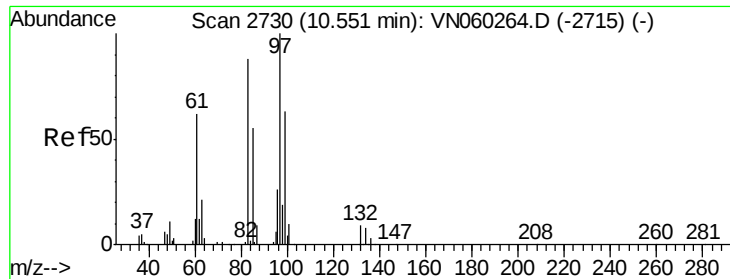
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#54
cis-1,3-Dichloropropene
Concen: 48.245 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060298.D
Acq: 2 Mar 2020 9:29

Tgt Ion: 75 Resp: 214417
Ion Ratio Lower Upper
75 100
77 31.4 24.8 37.2
39 56.1 43.8 65.8





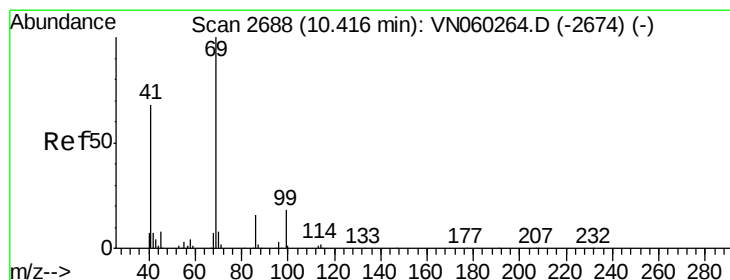
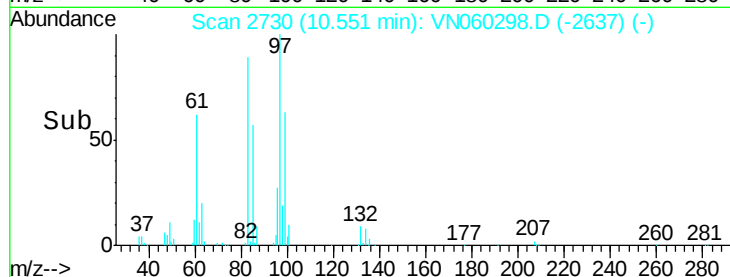
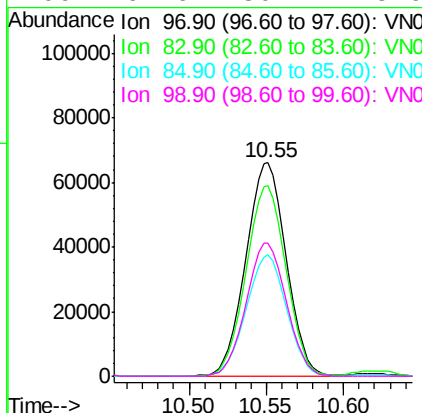
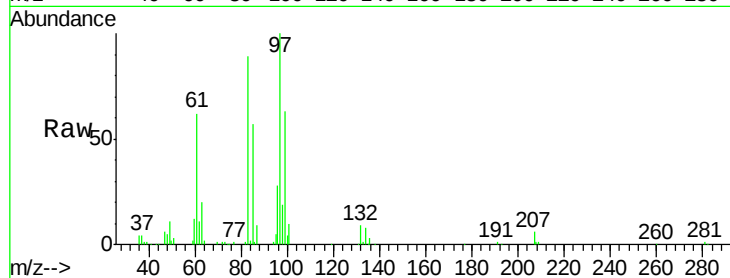
#55
 1,1,2-Trichloroethane
 Concen: 46.972 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060298.D
 Acq: 2 Mar 2020 9:29

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.2	70.0	105.0
85	56.9	44.0	66.0
99	62.6	50.4	75.6

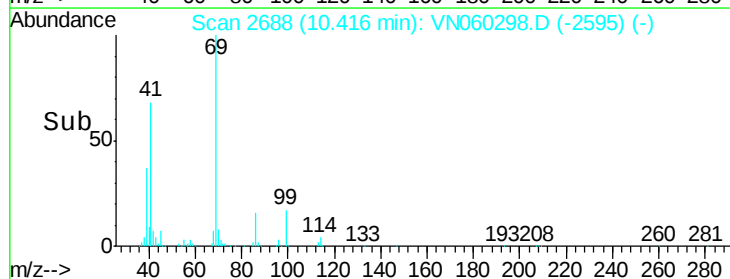
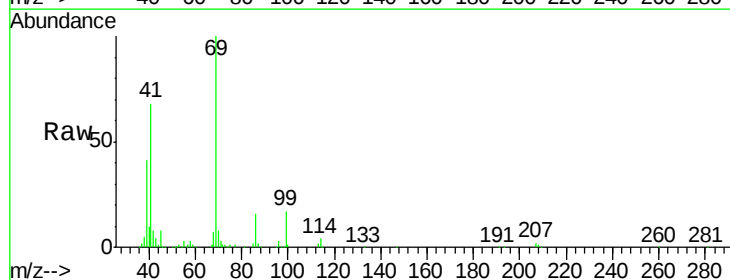
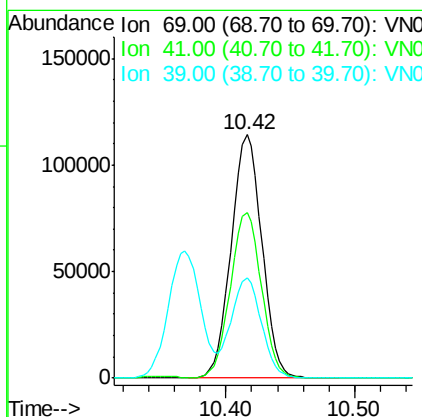
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 51.435 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060298.D
 Acq: 2 Mar 2020 9:29

Tgt Ion	Ratio	Lower	Upper
69	100		
41	68.2	54.1	81.1
39	40.3	32.5	48.7





#57

1,3-Dichloropropane

Concen: 48.907 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060298.D

Acq: 2 Mar 2020 9:29

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 204394

Ion Ratio Lower Upper

76 100

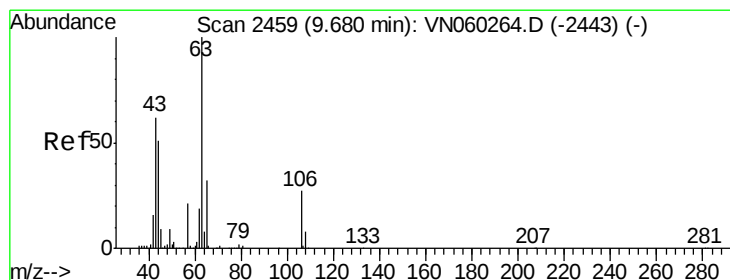
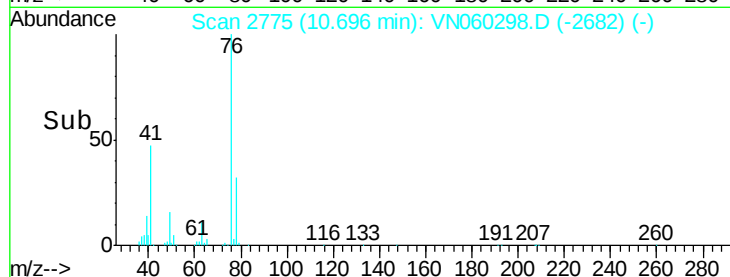
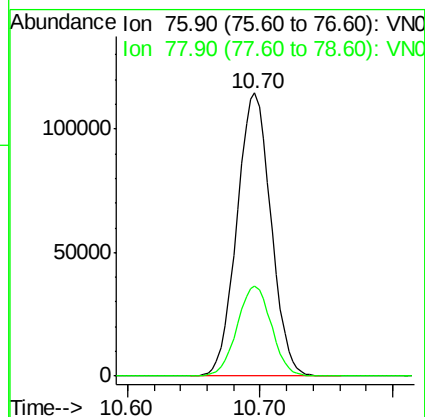
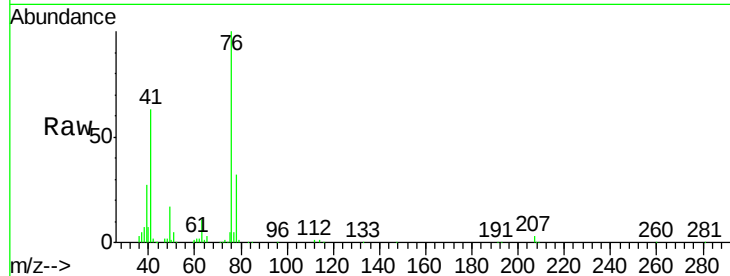
78 32.1 26.2 39.2

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#58

2-Chloroethyl Vinyl ether

Concen: 249.833 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN060298.D

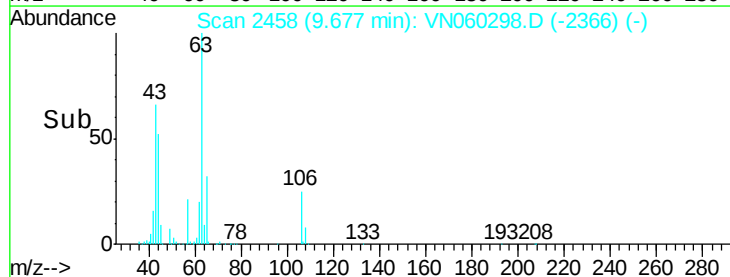
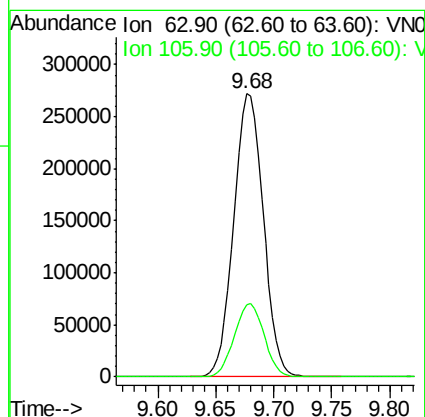
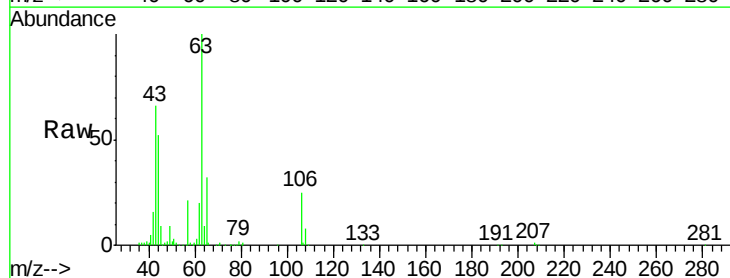
Acq: 2 Mar 2020 9:29

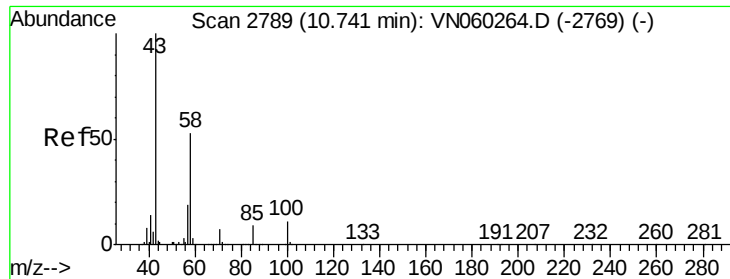
Tgt Ion: 63 Resp: 481065

Ion Ratio Lower Upper

63 100

106 26.1 21.1 31.7





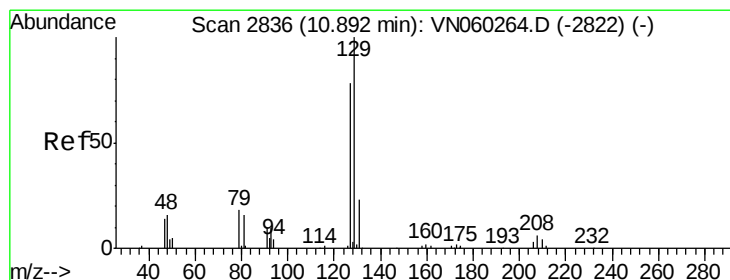
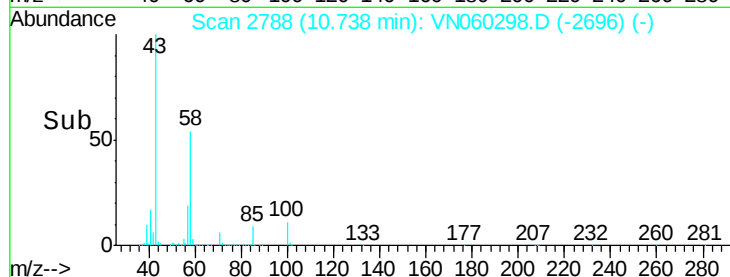
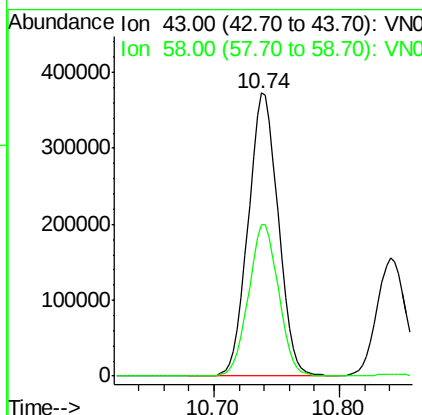
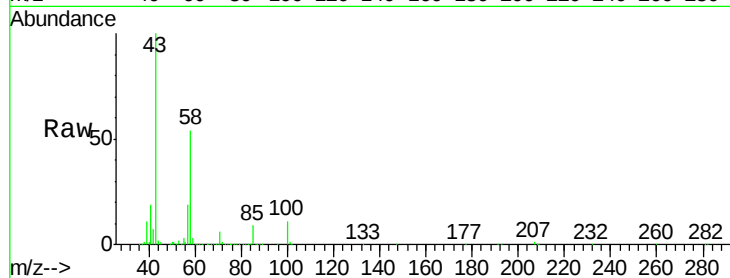
#59
2-Hexanone
Concen: 259.021 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060298.D
Acq: 2 Mar 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 623008
Ion Ratio Lower Upper
43 100
58 53.6 26.5 79.5

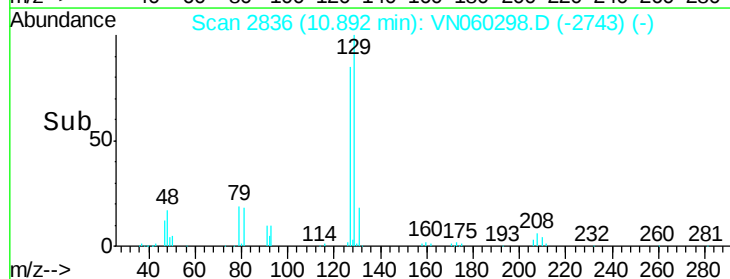
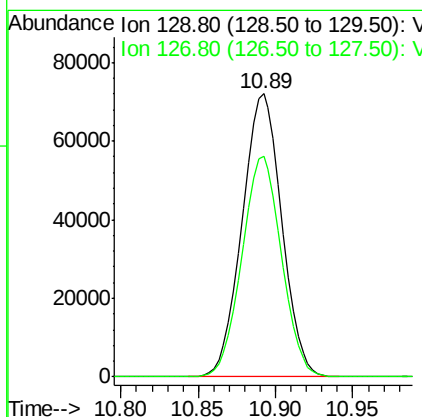
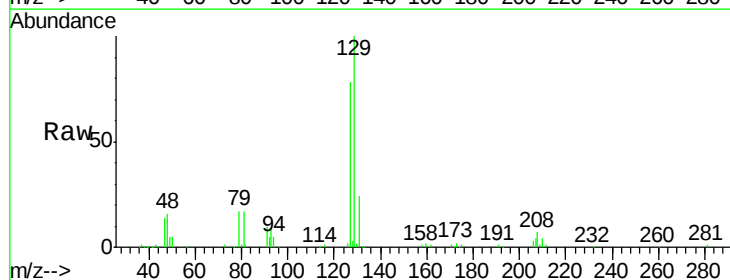
Manual Integrations
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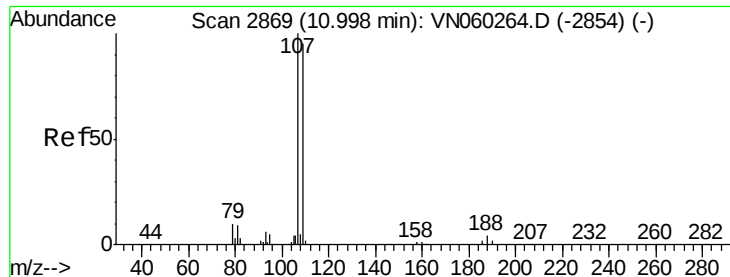
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#60
Dibromochloromethane
Concen: 49.385 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060298.D
Acq: 2 Mar 2020 9:29

Tgt Ion: 129 Resp: 128704
Ion Ratio Lower Upper
129 100
127 77.5 38.9 116.7





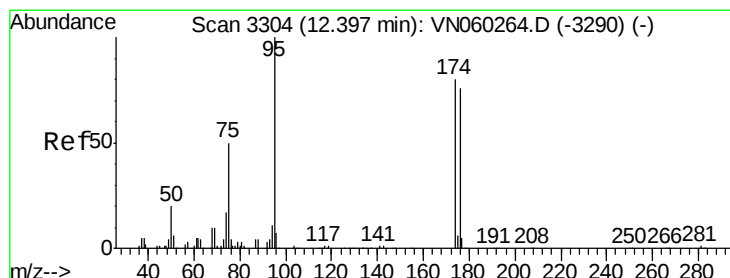
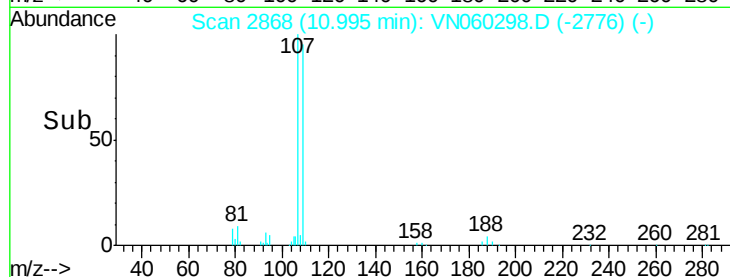
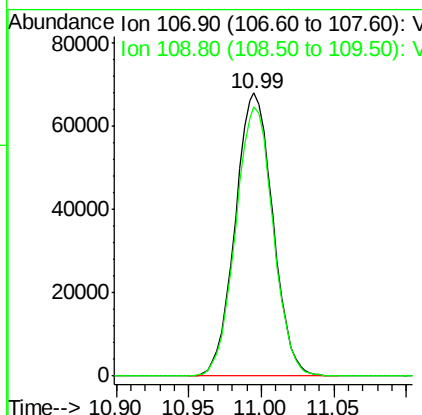
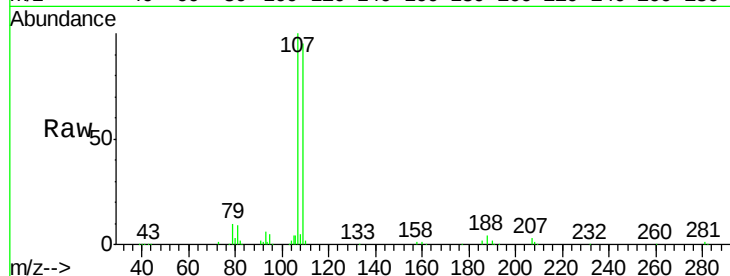
#61
 1,2-Dibromoethane
 Concen: 48.912 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060298.D
 Acq: 2 Mar 2020 9:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	76.8	115.2

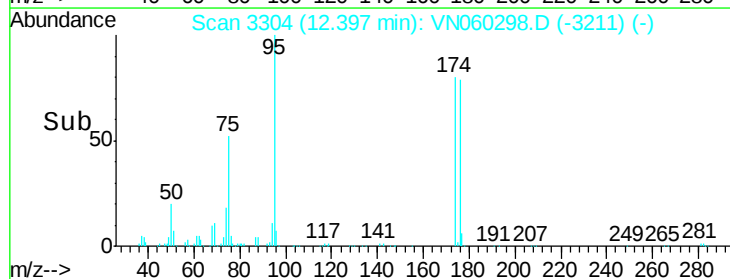
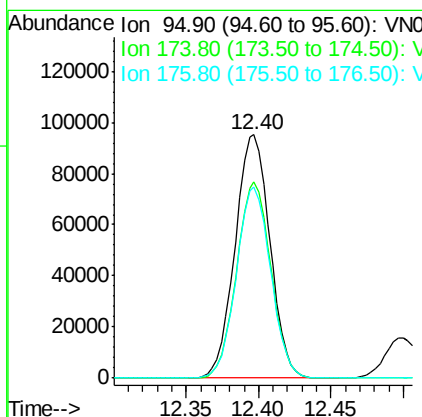
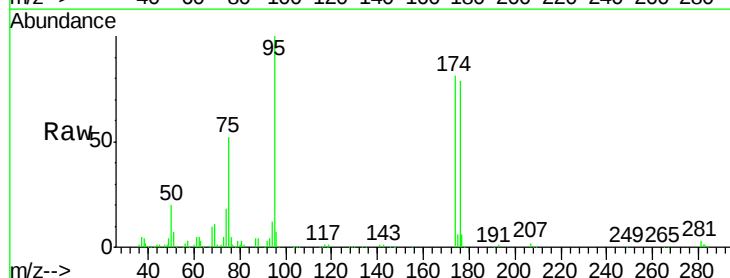
Manual Integrations
 APPROVED

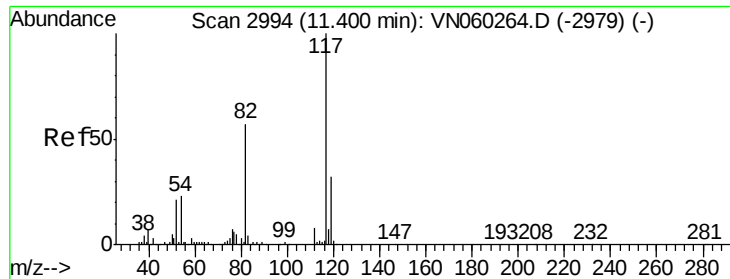
MMDadoda
 3/3/2020 10:04:31 AM



#62
 4-Bromofluorobenzene
 Concen: 48.802 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060298.D
 Acq: 2 Mar 2020 9:29

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.3	0.0	159.2
176	77.4	0.0	153.8





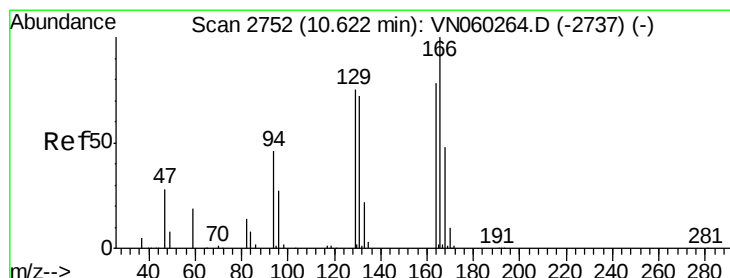
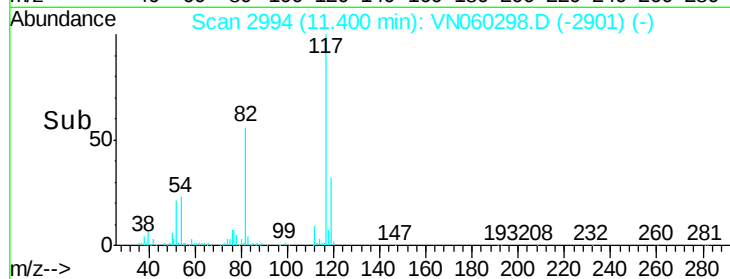
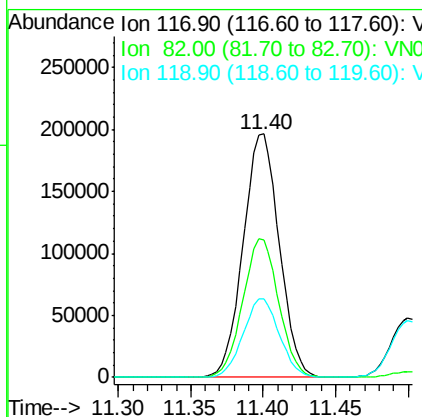
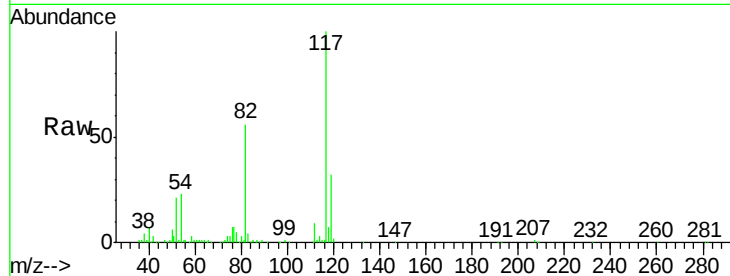
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060298.D
Acq: 2 Mar 2020 9:29

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	341081		
82	56.4	45.8	68.6	
119	32.3	25.8	38.8	

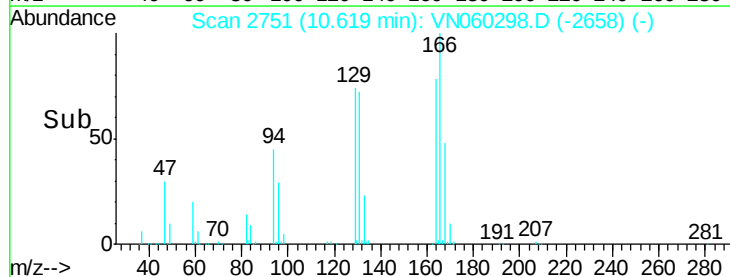
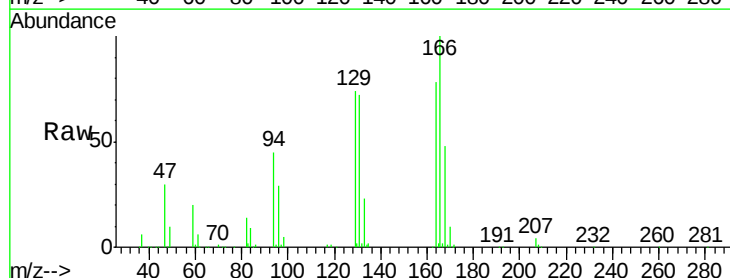
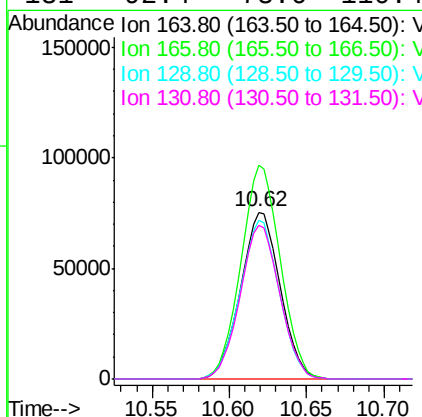
Manual Integrations
APPROVED

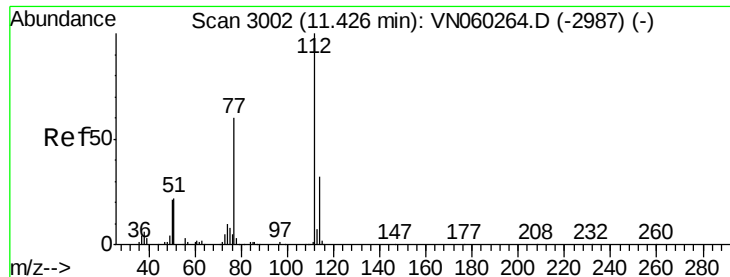
MMDadoda
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#64
Tetrachloroethene
Concen: 49.913 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060298.D
Acq: 2 Mar 2020 9:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	134048		
166	128.1	102.0	153.0	
129	95.4	76.4	114.6	
131	92.4	73.6	110.4	





#65

Chlorobenzene

Concen: 45.365 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060298.D

Acq: 2 Mar 2020 9:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 312445

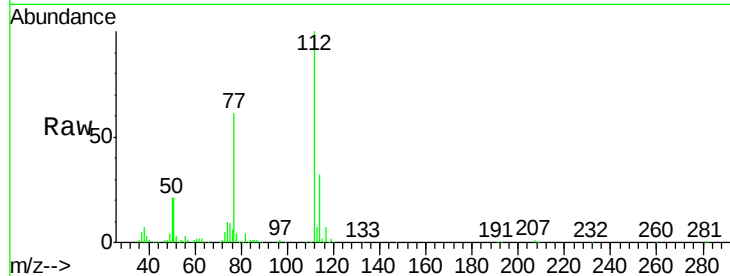
Ion Ratio Lower Upper

112 100

114 31.9 25.4 38.0

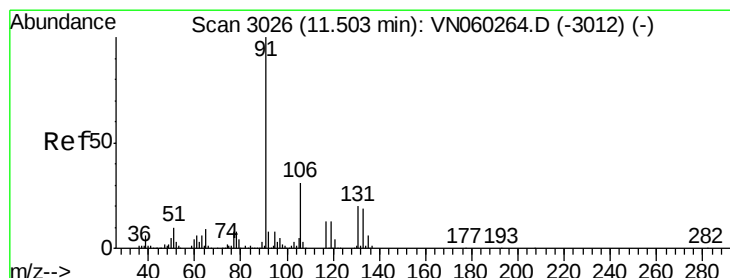
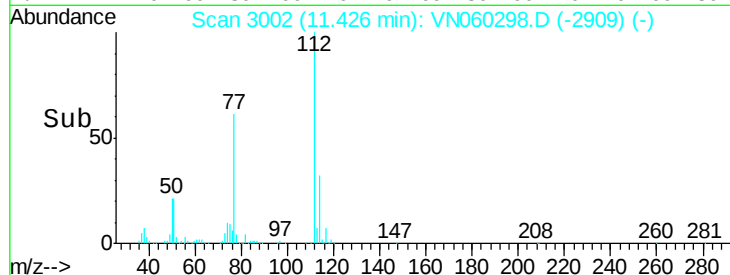
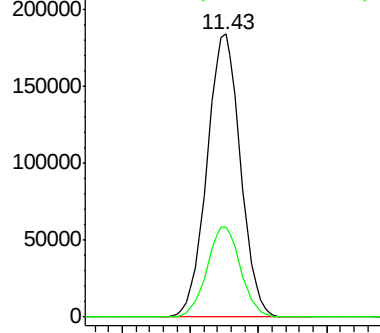
Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 47.445 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060298.D

Acq: 2 Mar 2020 9:29

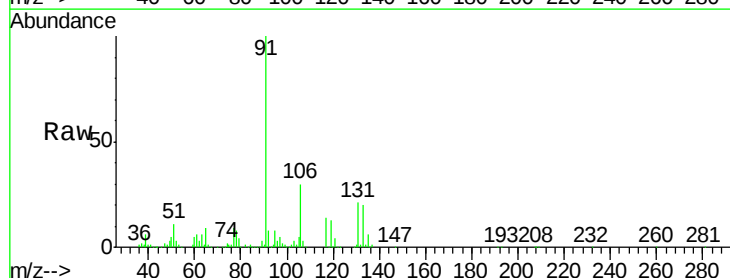
Tgt Ion:131 Resp: 120820

Ion Ratio Lower Upper

131 100

133 95.8 47.7 143.1

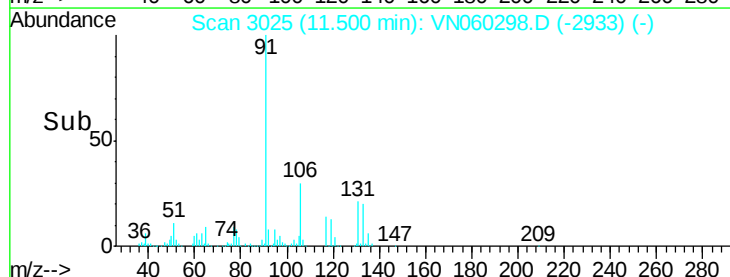
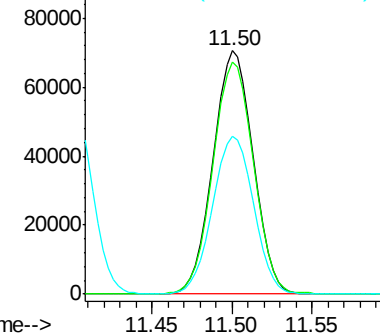
119 66.6 33.2 99.6

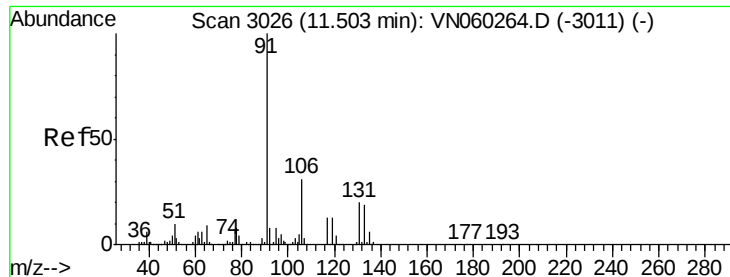


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 46.687 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060298.D

Acq: 2 Mar 2020 9:29

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 585570

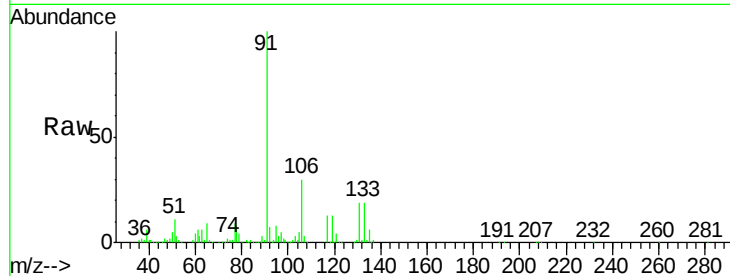
Ion Ratio Lower Upper

91 100

106 30.3 24.7 37.1

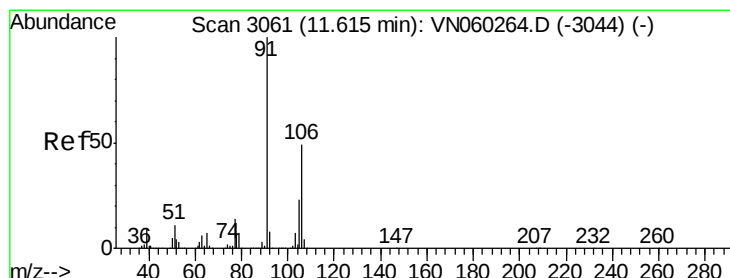
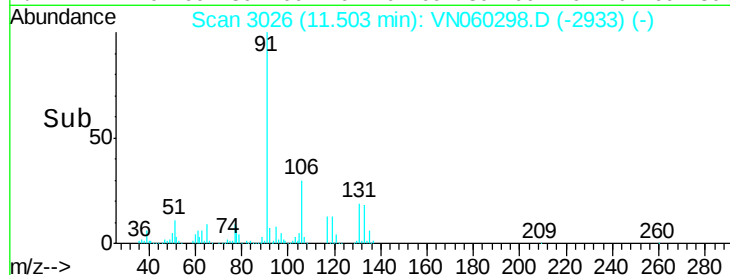
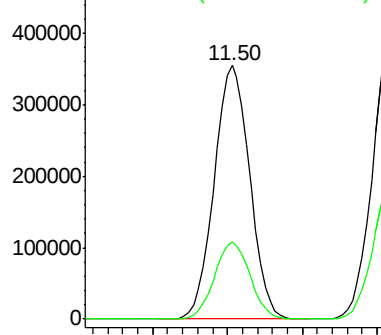
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Abundance Ion 91.00 (90.70 to 91.70): VN060298.D (-2933) (-)

Ion 106.00 (105.70 to 106.70): VN060298.D (-2933) (-)



#68

m/p-Xylenes

Concen: 92.094 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060298.D

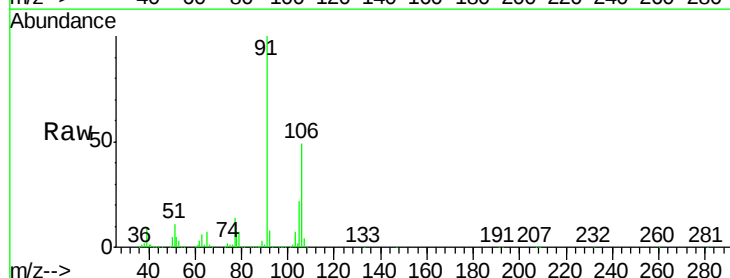
Acq: 2 Mar 2020 9:29

Tgt Ion: 106 Resp: 435798

Ion Ratio Lower Upper

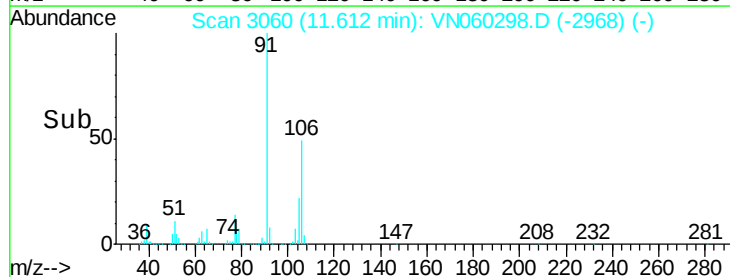
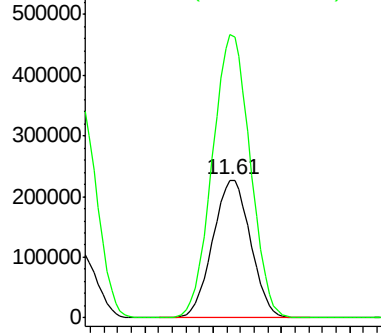
106 100

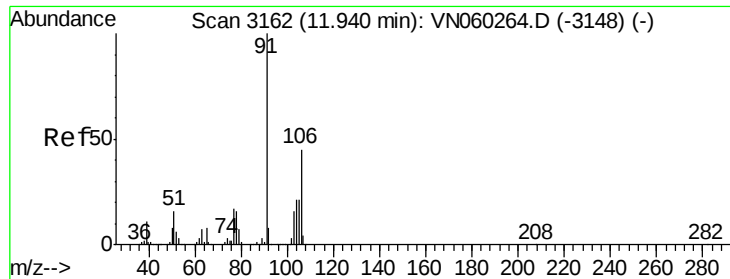
91 206.0 164.5 246.7



Abundance Ion 106.00 (105.70 to 106.70): VN060298.D (-2968) (-)

Ion 91.00 (90.70 to 91.70): VN060298.D (-2968) (-)





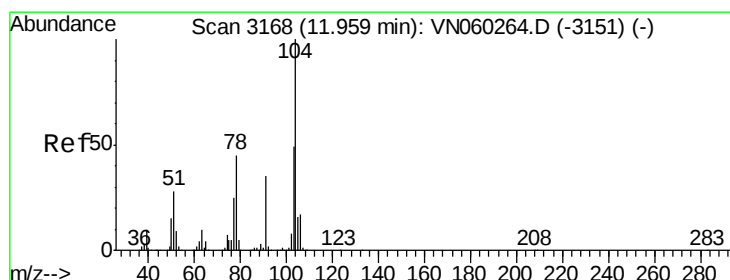
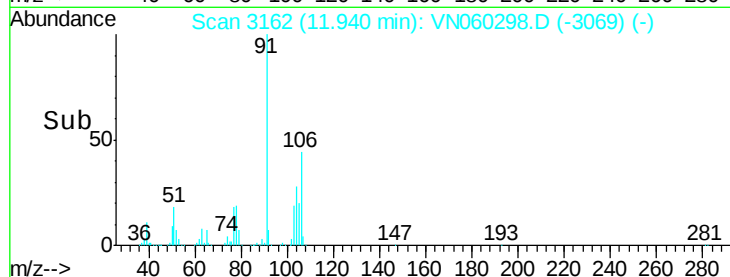
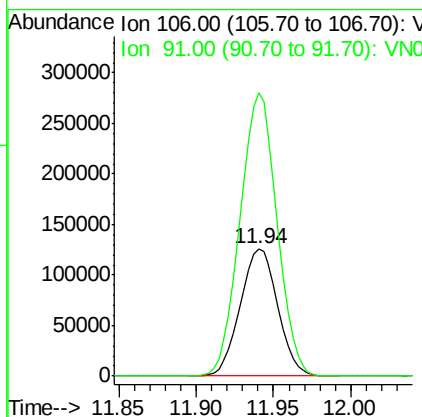
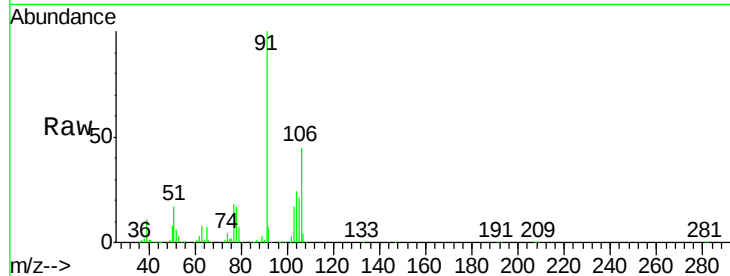
#69
o-Xylene
Concen: 47.081 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060298.D
Acq: 2 Mar 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
212453	106	100		
	91	219.4	109.5	328.4

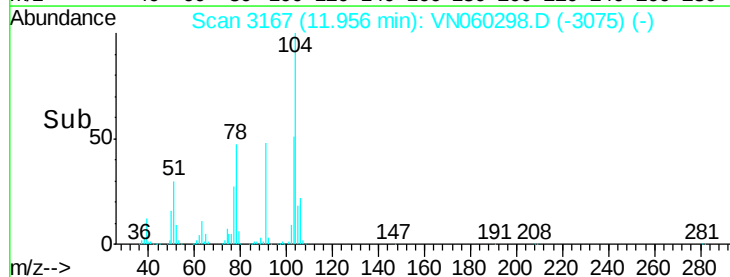
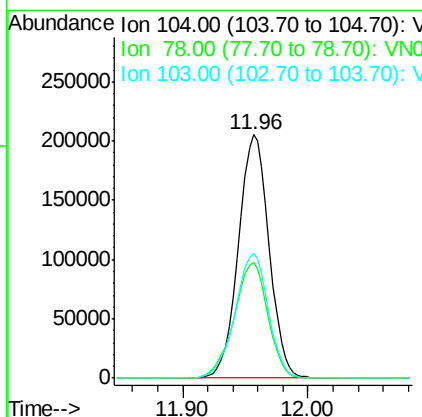
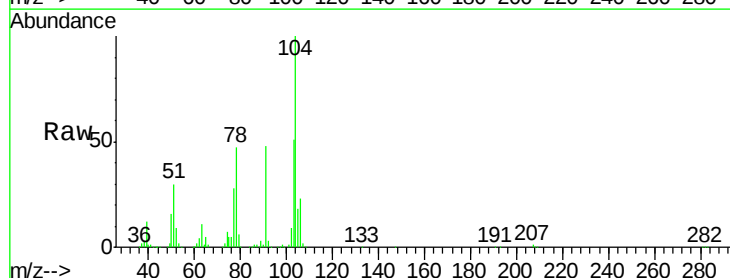
Manual Integrations
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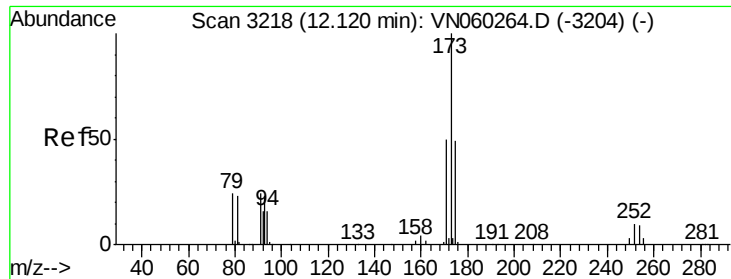
MMDadoda
3/3/2020 10:04:31 AM



#70
Styrene
Concen: 46.983 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060298.D
Acq: 2 Mar 2020 9:29

Tgt Ion	Ion	Ratio	Lower	Upper
348570	104	100		
	78	52.5	41.2	61.8
	103	55.4	43.9	65.9





#71

Bromoform

Concen: 51.147 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060298.D

Acq: 2 Mar 2020 9:29

Instrument :

MSVOA_N

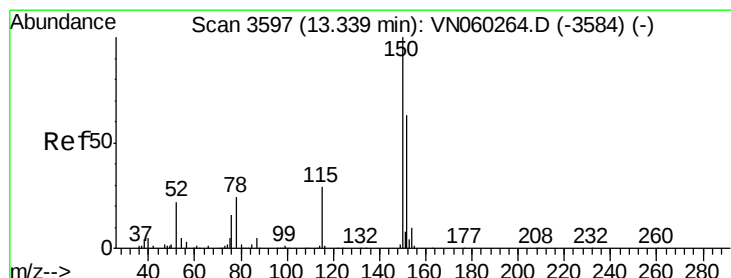
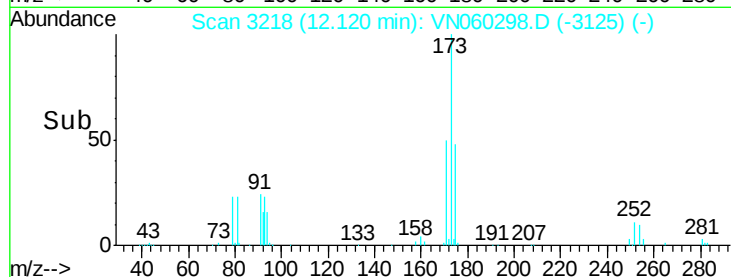
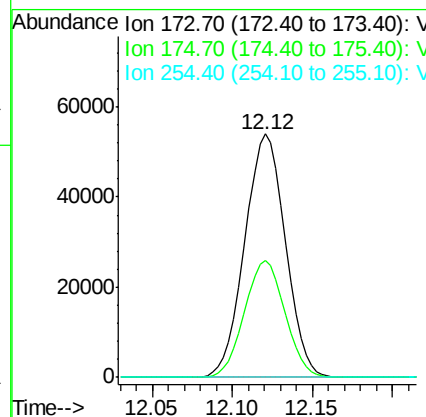
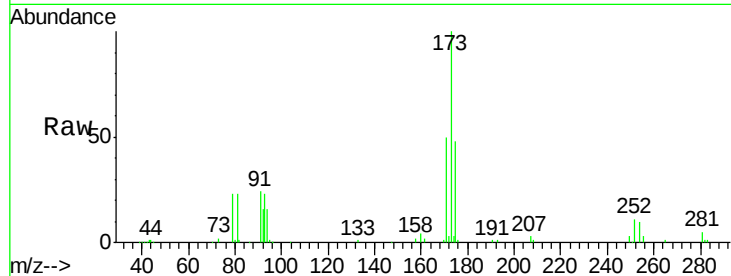
ClientSampled :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.1	72.2
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

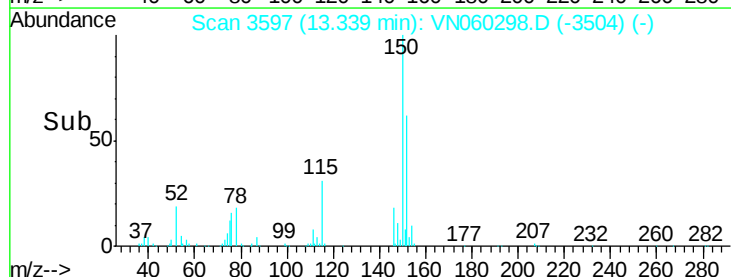
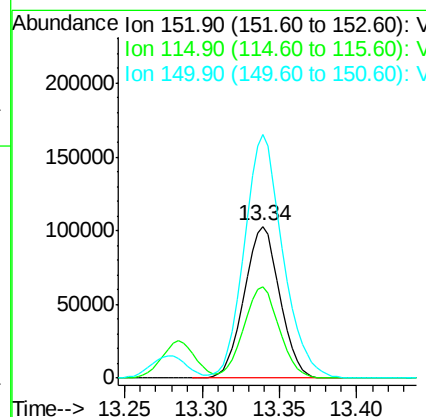
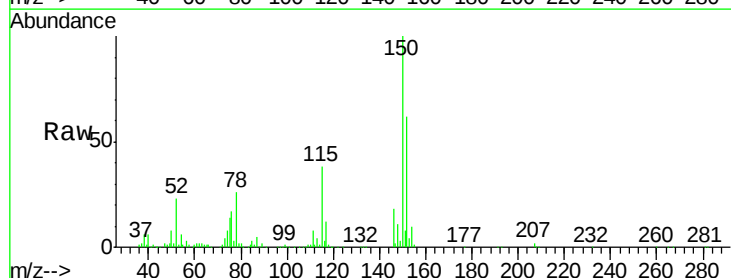
RT: 13.34 min Scan# 3597

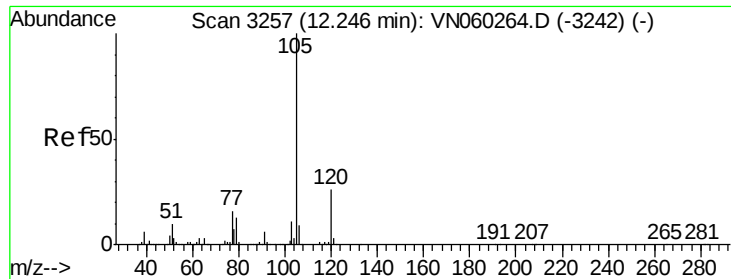
Delta R.T. 0.00 min

Lab File: VN060298.D

Acq: 2 Mar 2020 9:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.1	30.0	90.0
150	173.0	0.0	349.6





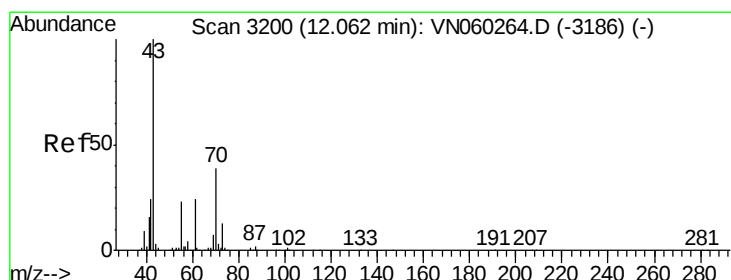
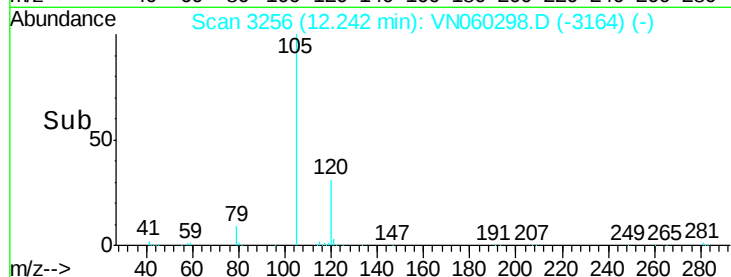
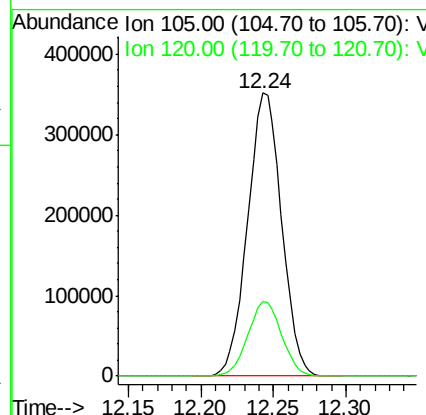
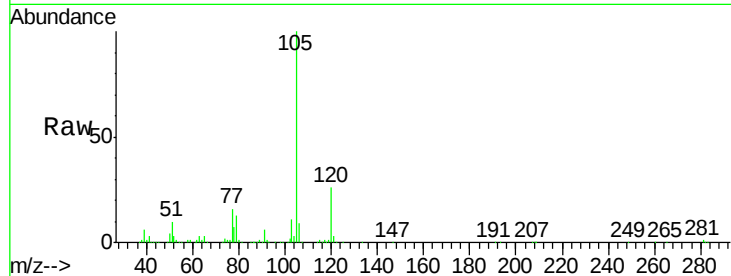
#73
Isopropylbenzene
Concen: 46.998 ug/l
RT: 12.24 min Scan# 3256
Delta R.T. -0.00 min
Lab File: VN060298.D
Acq: 2 Mar 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	573520		
120	26.2	13.0	38.9	

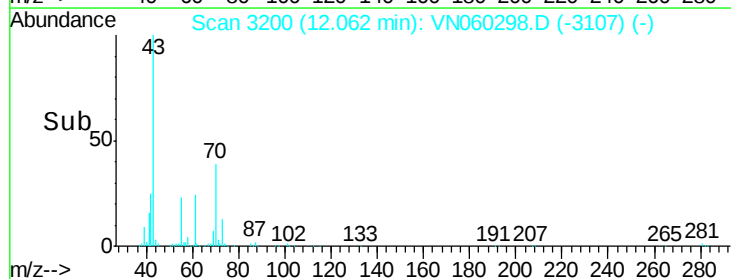
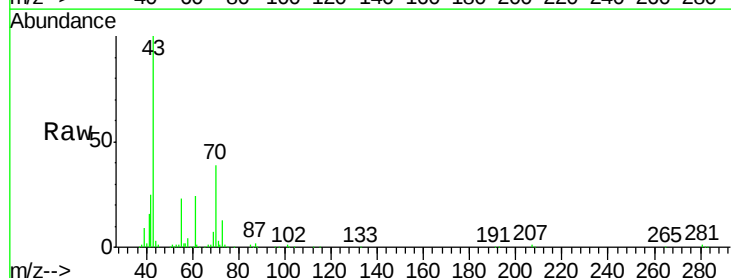
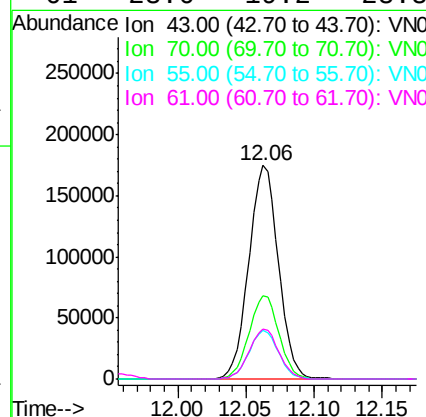
Manual Integrations
APPROVED

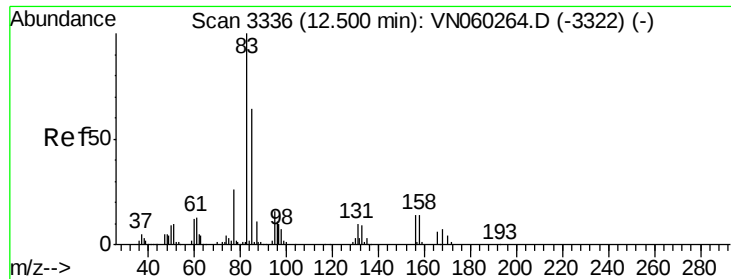
MMDadoda
3/3/2020 10:04:31 AM



#74
N-ethyl acetate
Concen: 49.219 ug/l
RT: 12.06 min Scan# 3200
Delta R.T. 0.00 min
Lab File: VN060298.D
Acq: 2 Mar 2020 9:29

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	262457		
70	39.6	32.2	48.2	
55	22.9	18.2	27.4	
61	23.6	19.2	28.8	





#75

1,1,2,2-Tetrachloroethane

Concen: 49.436 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060298.D

Acq: 2 Mar 2020 9:29

Instrument :

MSVOA_N

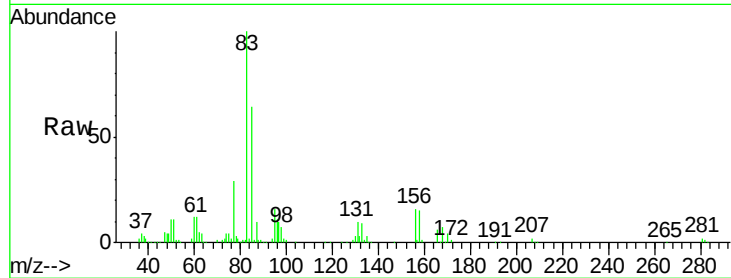
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	163984
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.1	15.3
85	64.6	32.3	96.8

Manual Integrations
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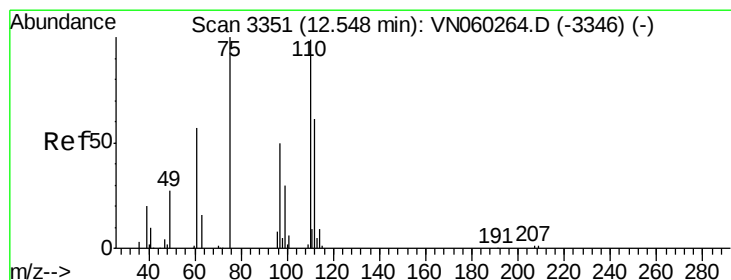
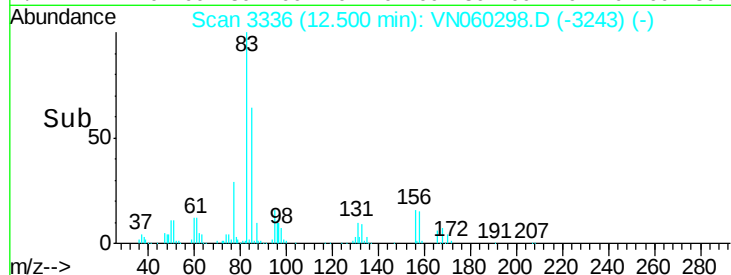
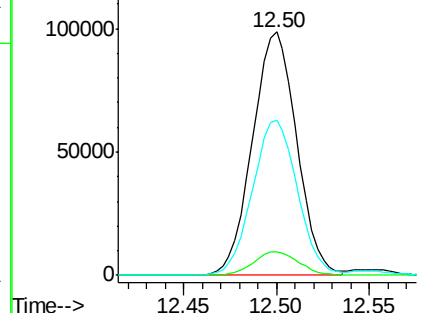
MMDadoda
3/3/2020 10:04:31 AM



Abundance Ion 82.90 (82.60 to 83.60): VN060298.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060298.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060298.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 43.312 ug/l m

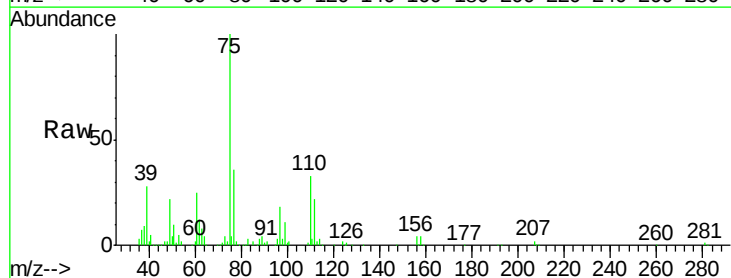
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060298.D

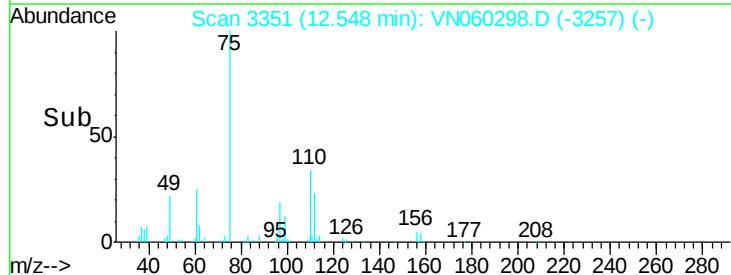
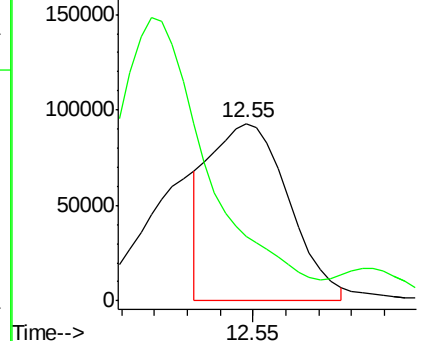
Acq: 2 Mar 2020 9:29

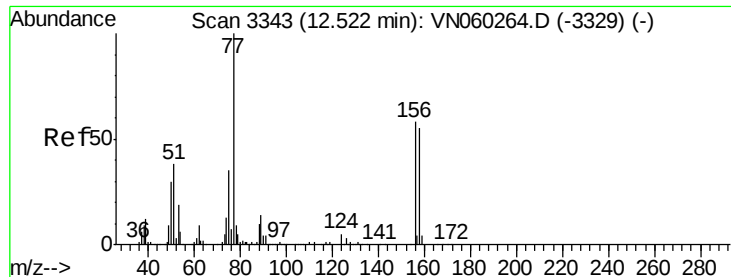
Tgt Ion:	75	Resp:	156452
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060298.D (-3257) (-)

Ion 77.00 (76.70 to 77.70): VN060298.D (-3257) (-)





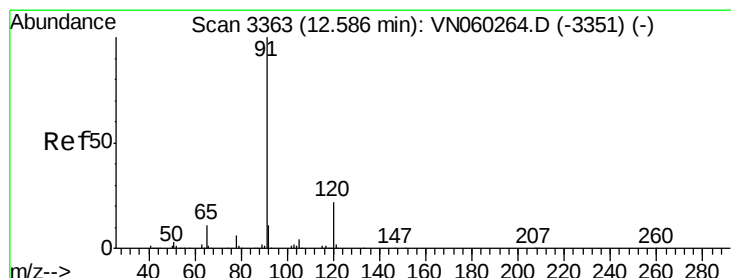
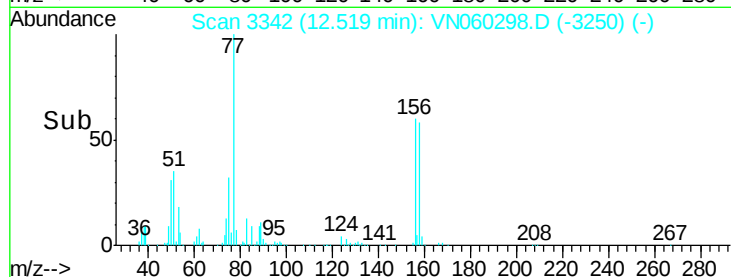
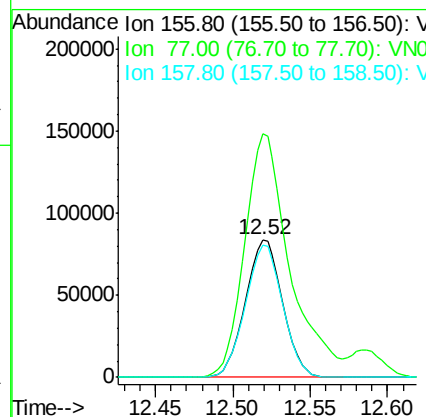
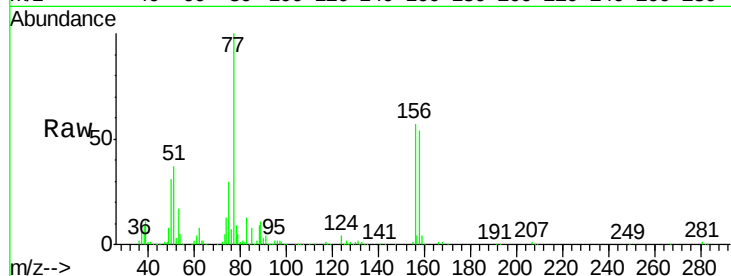
#77
Bromobenzene
Concen: 46.776 ug/l
RT: 12.52 min Scan# 3342
Delta R.T. -0.00 min
Lab File: VN060298.D
Acq: 2 Mar 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	214.3	106.1	318.3
158	96.7	48.3	144.8

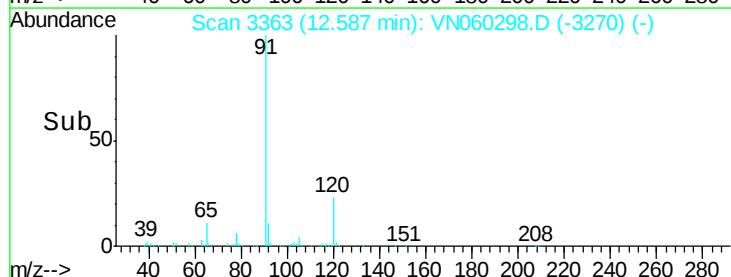
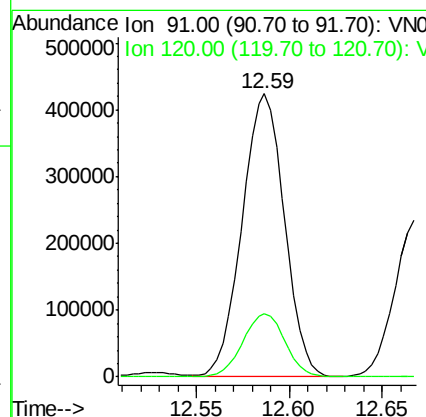
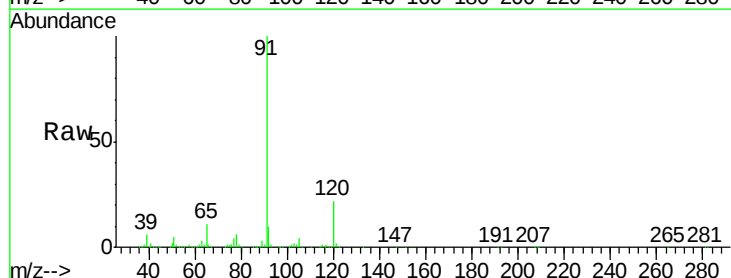
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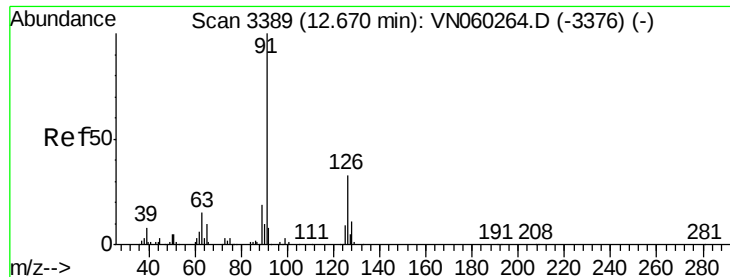
MMDadoda
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#78
n-propylbenzene
Concen: 46.910 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN060298.D
Acq: 2 Mar 2020 9:29

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.3	33.9





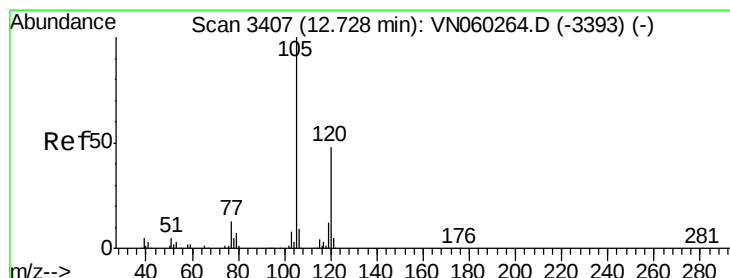
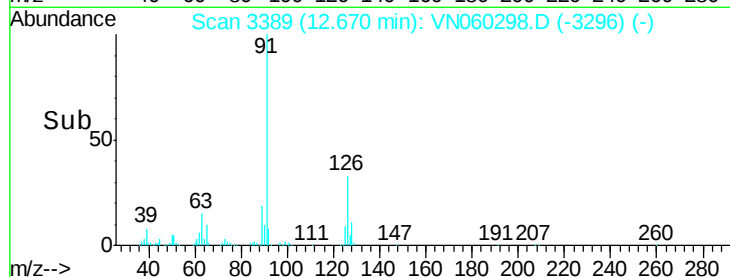
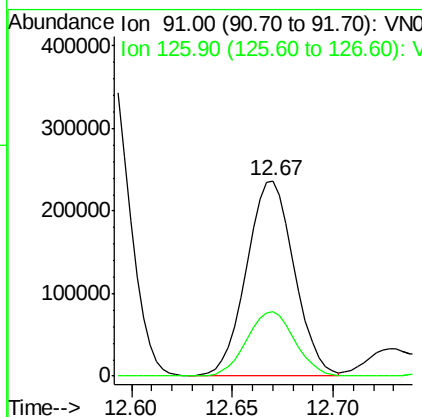
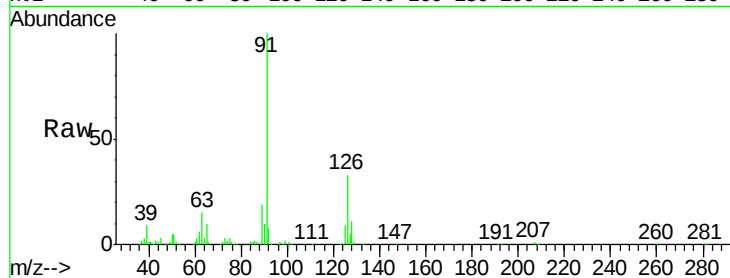
#79
2-Chlorotoluene
Concen: 46.363 ug/l
RT: 12.67 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VN060298.D
Acq: 2 Mar 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.6	49.8

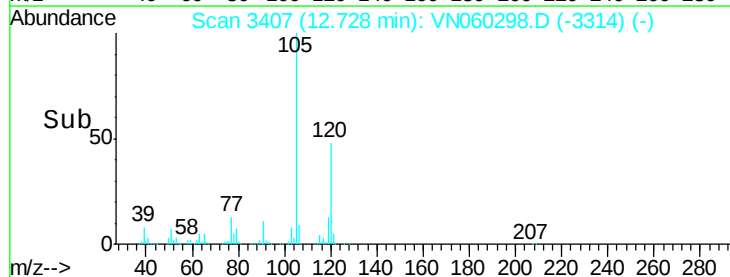
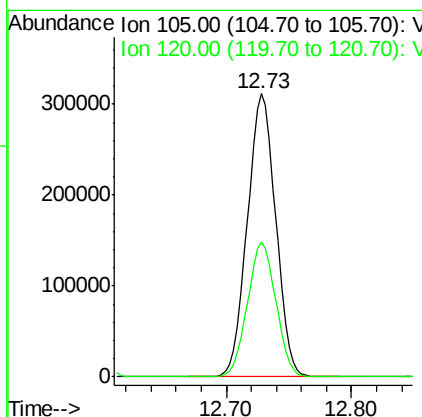
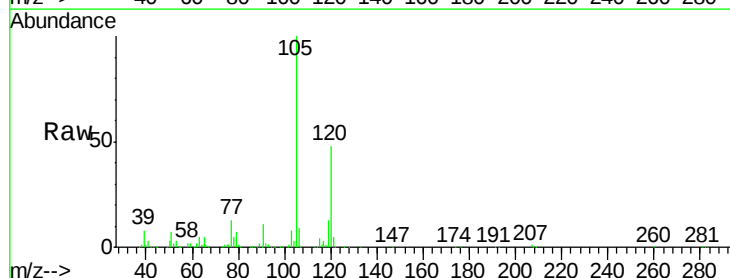
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#80
1,3,5-Trimethylbenzene
Concen: 47.710 ug/l
RT: 12.73 min Scan# 3407
Delta R.T. 0.00 min
Lab File: VN060298.D
Acq: 2 Mar 2020 9:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.7	24.1	72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 51.457 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060298.D

Acq: 2 Mar 2020 9:29

Instrument :

MSVOA_N

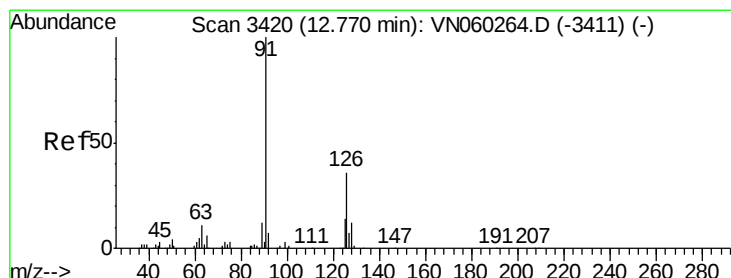
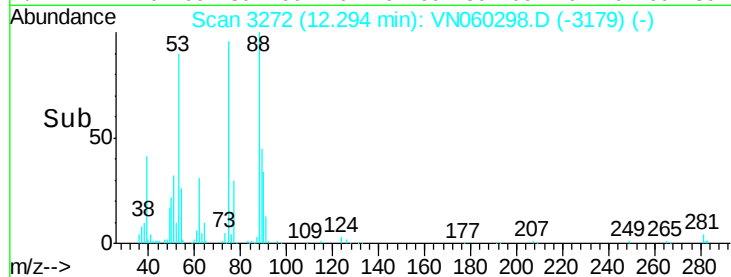
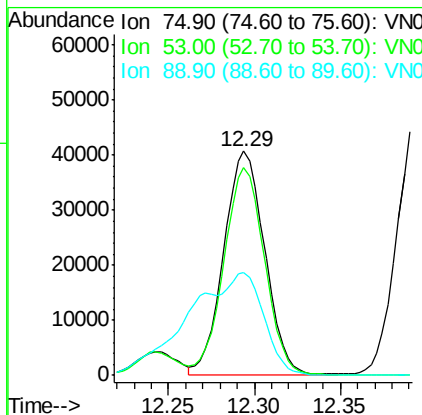
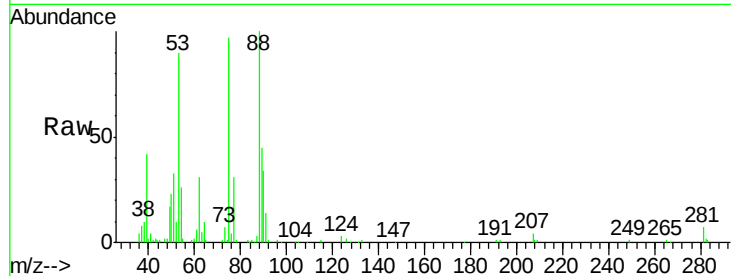
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	67335
Ion Ratio	Lower	Upper	
75	100		
53	92.4	73.8	110.6
89	0.0	57.1	85.7#

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#82

4-Chlorotoluene

Concen: 46.210 ug/l

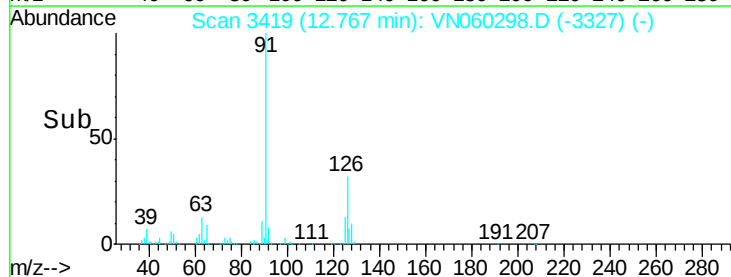
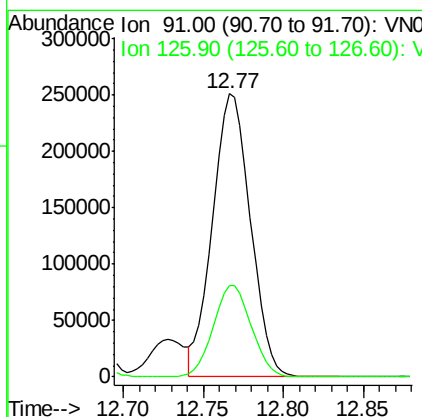
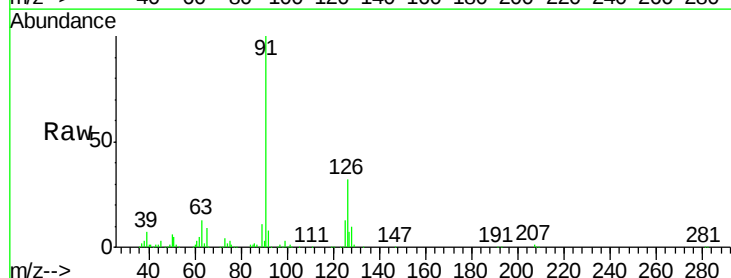
RT: 12.77 min Scan# 3419

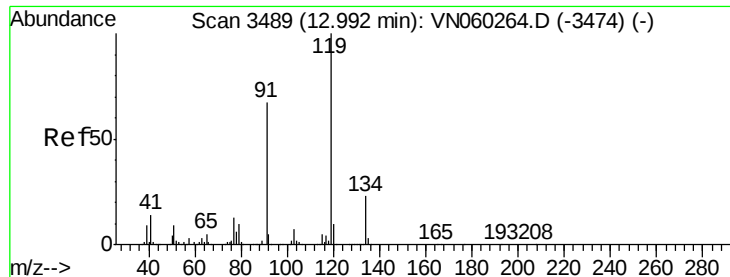
Delta R.T. -0.00 min

Lab File: VN060298.D

Acq: 2 Mar 2020 9:29

Tgt Ion:	91	Resp:	409364
Ion Ratio	Lower	Upper	
91	100		
126	32.6	16.7	50.1





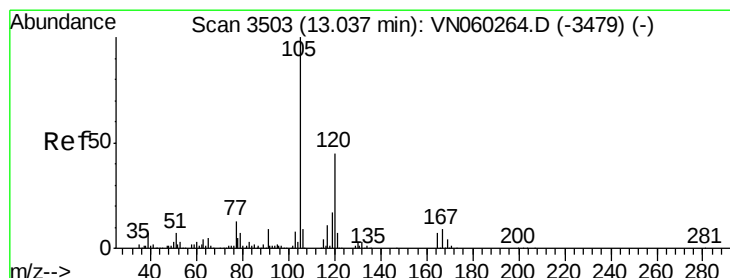
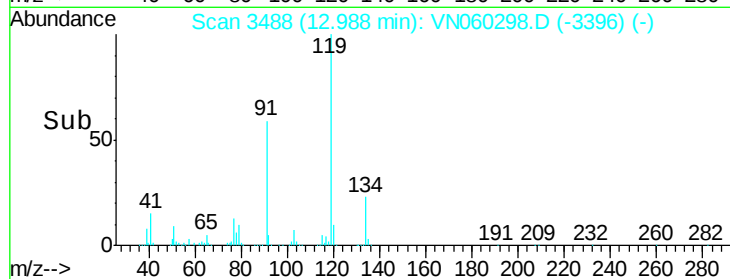
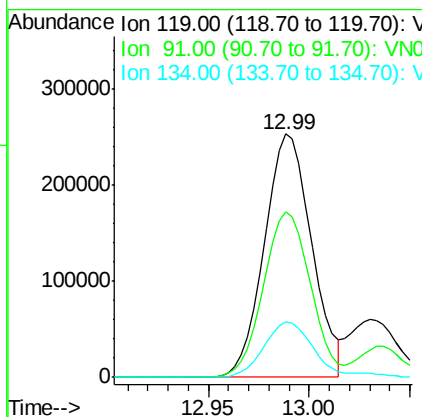
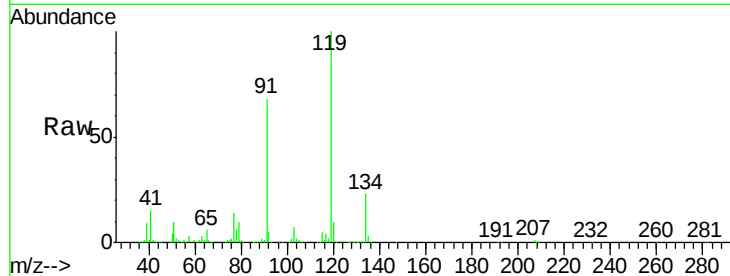
#83
 tert-Butylbenzene
 Concen: 46.435 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060298.D
 Acq: 2 Mar 2020 9:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.7	33.1	99.2
134	24.4	12.4	37.0

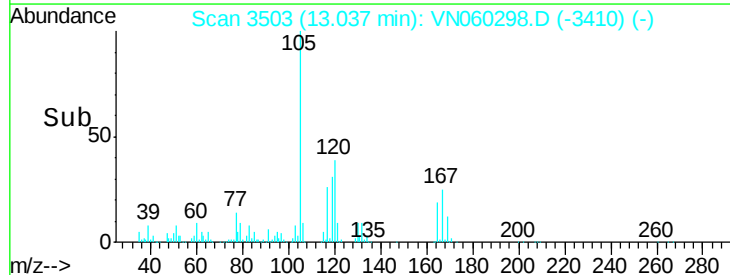
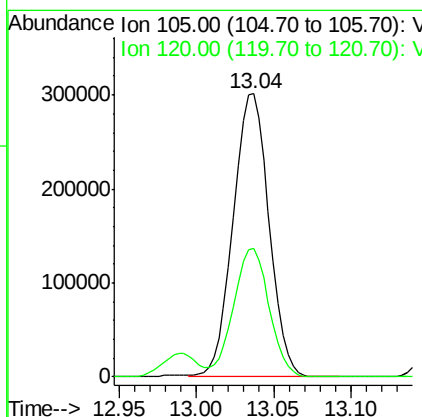
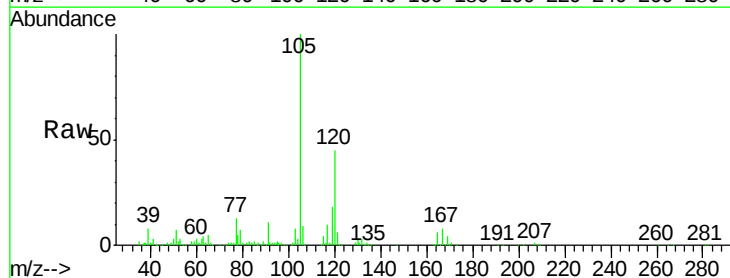
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#84
 1,2,4-Trimethylbenzene
 Concen: 46.790 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060298.D
 Acq: 2 Mar 2020 9:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.3	66.9





#85

sec-Butylbenzene

Concen: 47.112 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060298.D

Acq: 2 Mar 2020 9:29

Instrument :

MSVOA_N

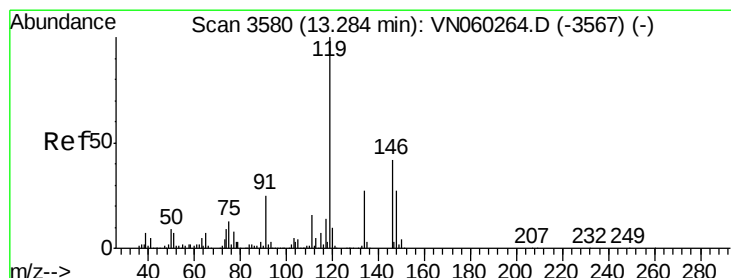
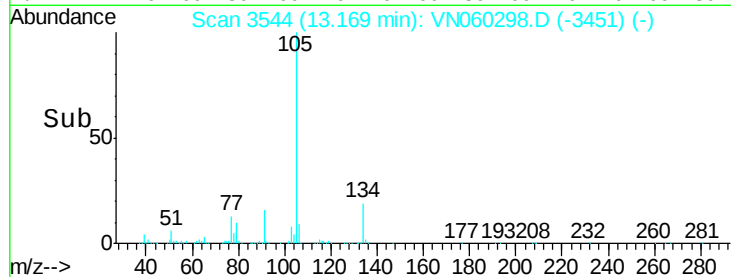
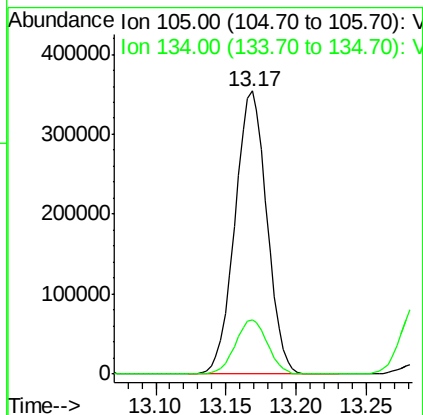
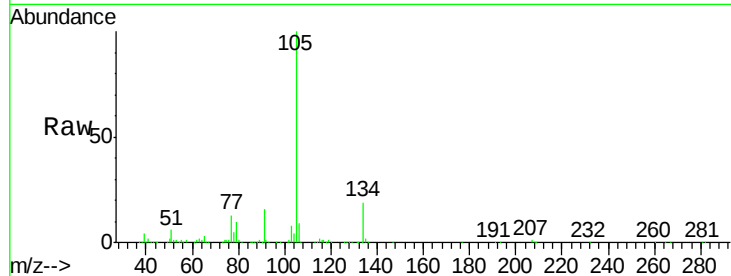
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	561202		
134	19.5	9.8	29.5	

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#86

p-Isopropyltoluene

Concen: 46.587 ug/l

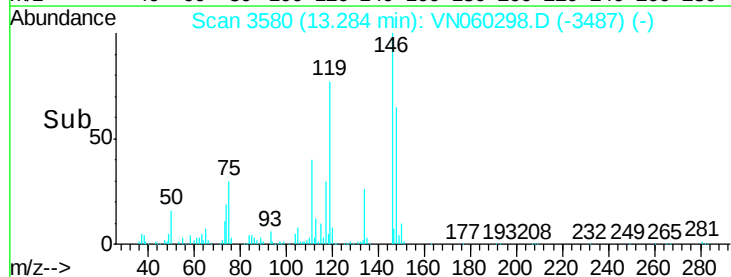
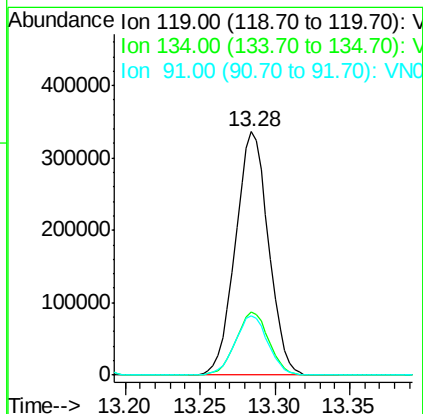
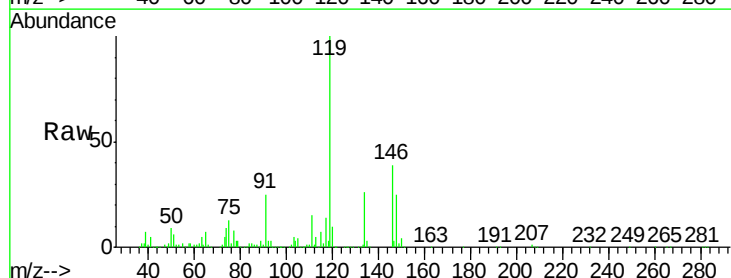
RT: 13.28 min Scan# 3580

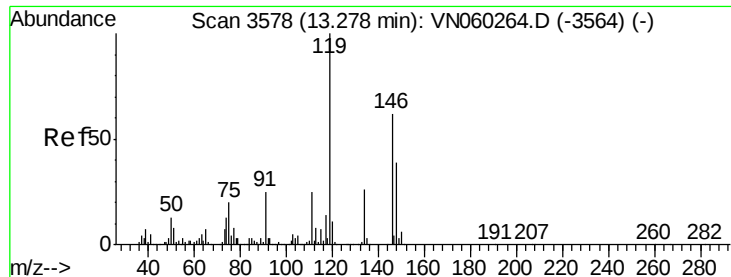
Delta R.T. 0.00 min

Lab File: VN060298.D

Acq: 2 Mar 2020 9:29

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	513639		
134	25.8	13.2	39.6	
91	24.5	12.2	36.6	





#87

1,3-Dichlorobenzene

Concen: 48.547 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060298.D

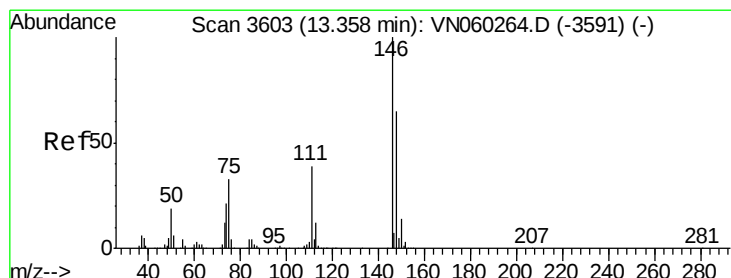
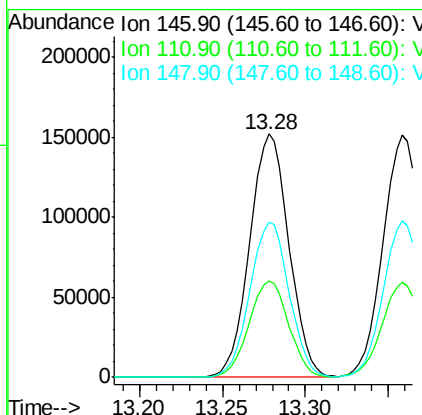
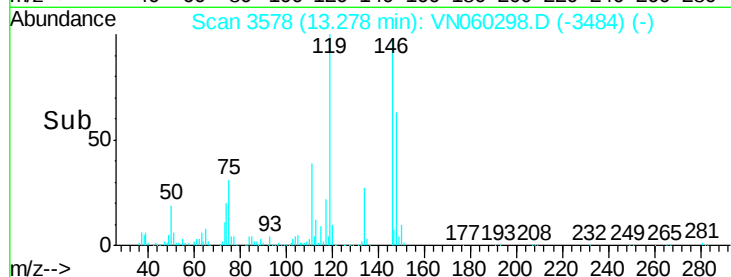
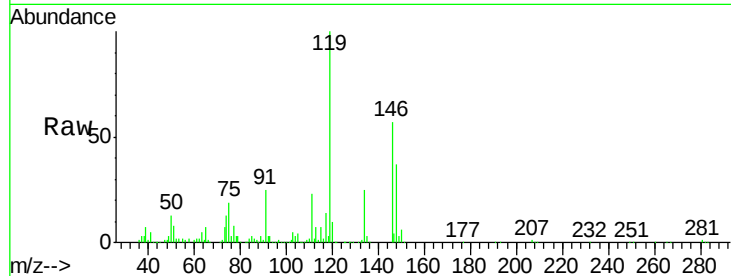
Acq: 2 Mar 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	249555		
111	40.1	20.0	59.9	
148	64.0	32.1	96.3	

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#88

1,4-Dichlorobenzene

Concen: 48.735 ug/l

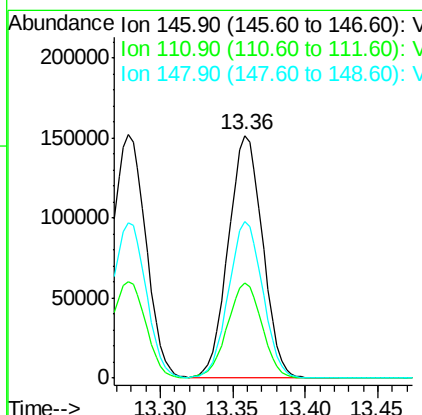
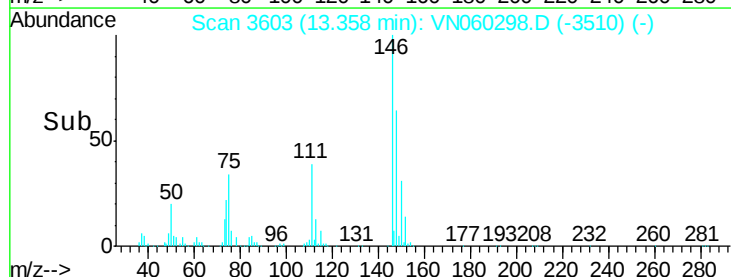
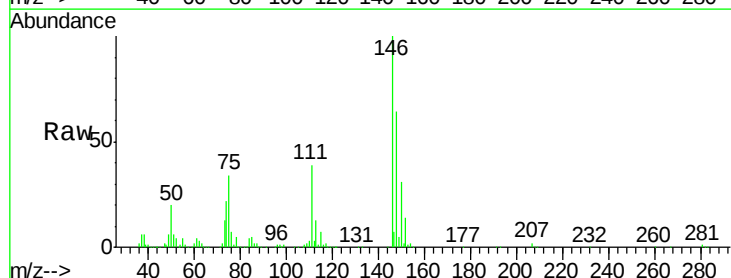
RT: 13.36 min Scan# 3603

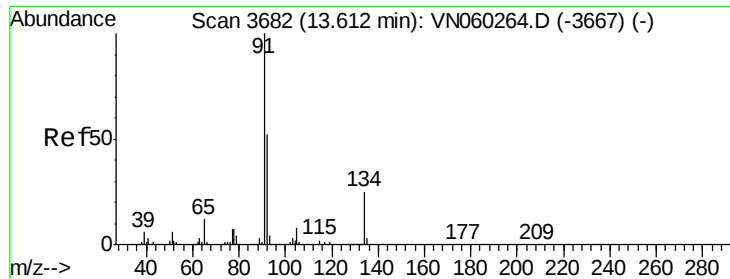
Delta R.T. 0.00 min

Lab File: VN060298.D

Acq: 2 Mar 2020 9:29

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	249120		
111	39.6	19.8	59.4	
148	64.4	32.3	96.9	





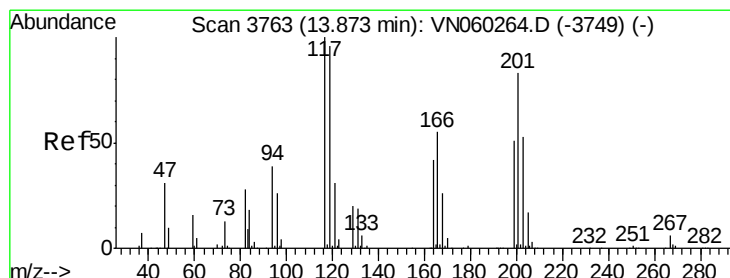
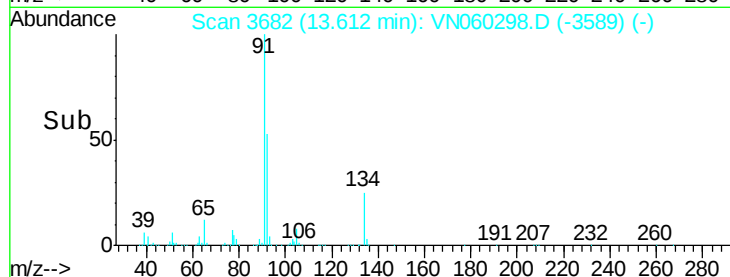
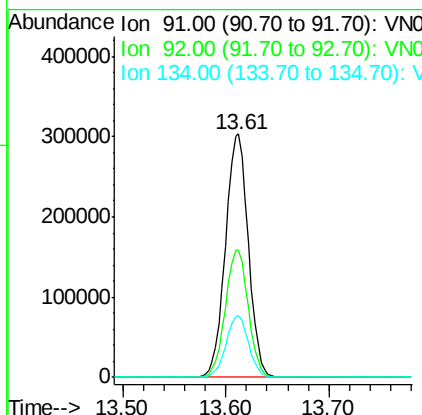
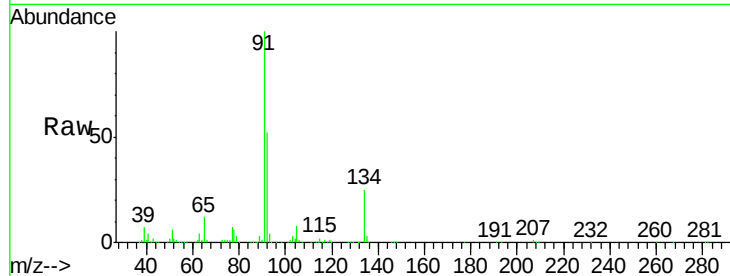
#89
n-Butylbenzene
Concen: 46.159 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060298.D
Acq: 2 Mar 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.0	78.0
134	25.2	12.7	38.1

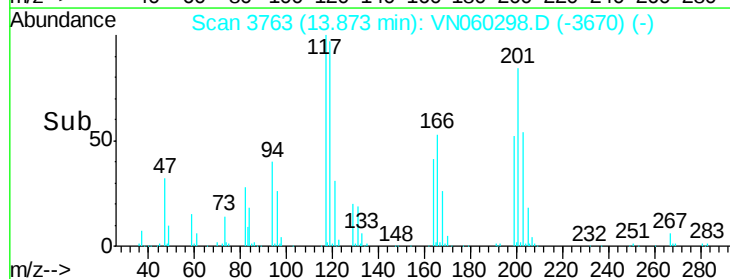
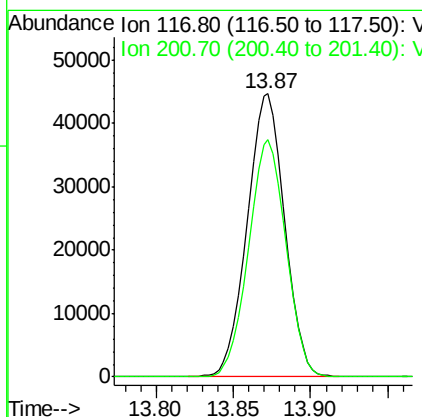
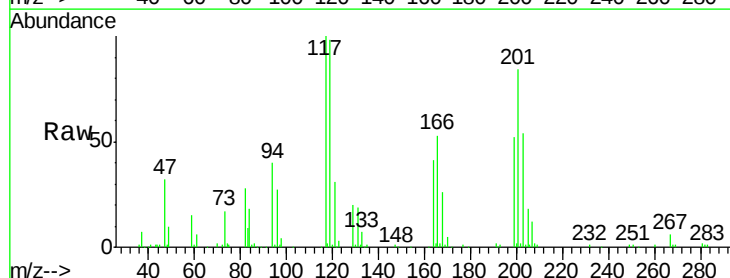
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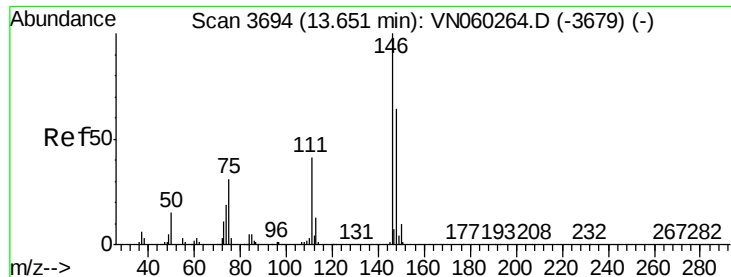
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#90
Hexachloroethane
Concen: 47.339 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060298.D
Acq: 2 Mar 2020 9:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.5	41.0	123.0





#91

1,2-Dichlorobenzene

Concen: 45.826 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060298.D

Acq: 2 Mar 2020 9:29

Instrument :

MSVOA_N

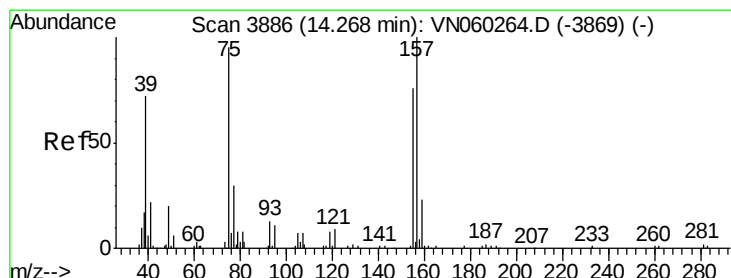
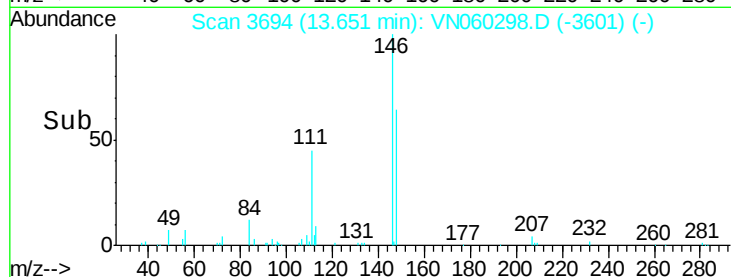
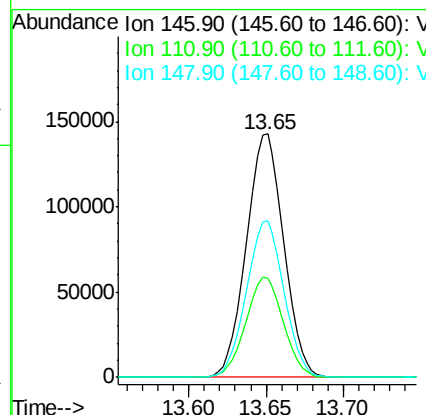
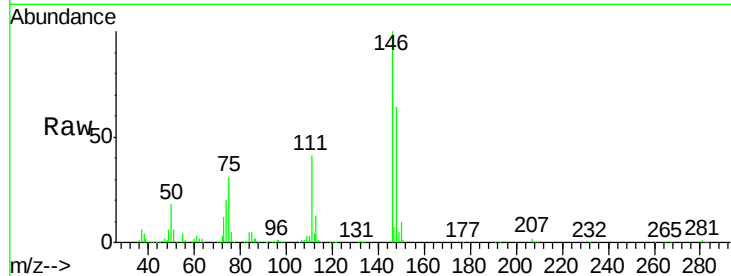
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	240195
Ion Ratio		Lower	Upper
146	100		
111	41.3	20.3	61.0
148	64.6	31.8	95.3

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#92

1,2-Dibromo-3-Chloropropane

Concen: 46.891 ug/l

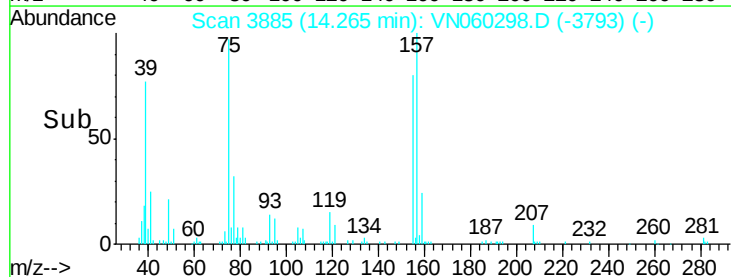
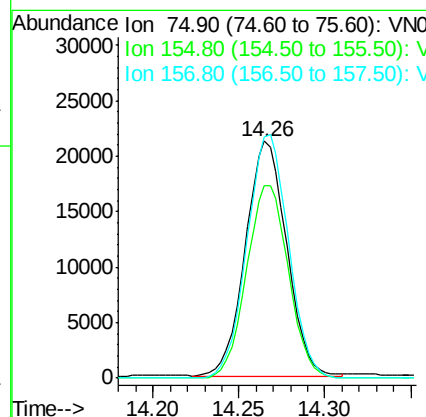
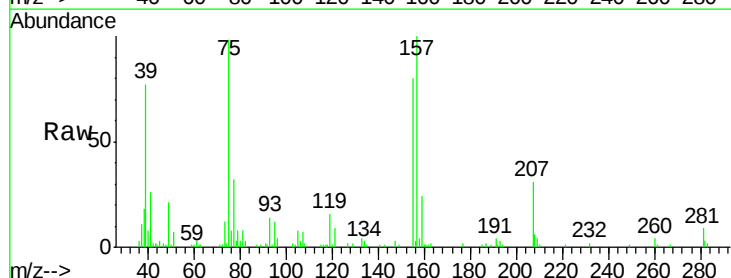
RT: 14.26 min Scan# 3885

Delta R.T. -0.00 min

Lab File: VN060298.D

Acq: 2 Mar 2020 9:29

Tgt Ion:	75	Resp:	35223
Ion Ratio		Lower	Upper
75	100		
155	83.1	40.4	121.2
157	104.4	52.5	157.5





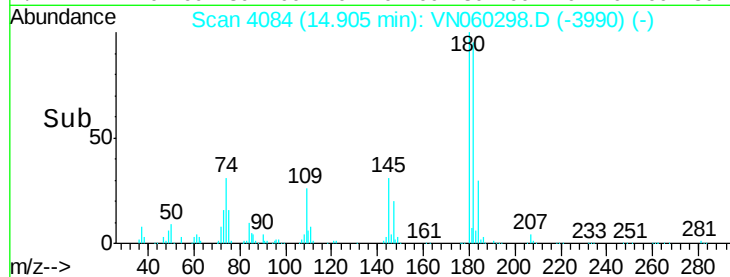
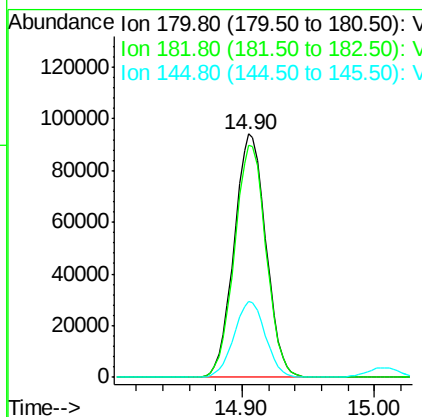
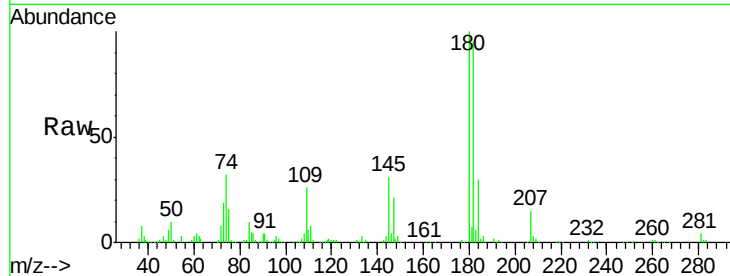
#93
 1,2,4-Trichlorobenzene
 Concen: 46.989 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060298.D
 Acq: 2 Mar 2020 9:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	156481		
182	94.9	47.8	143.3	
145	31.1	15.4	46.1	

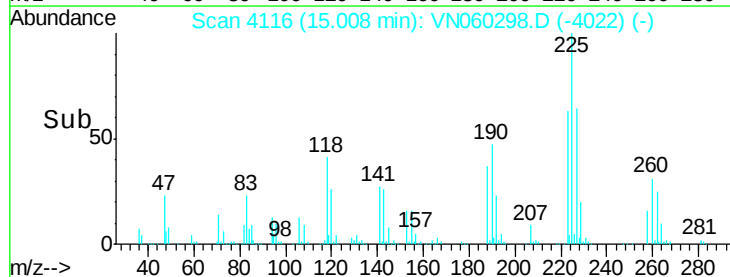
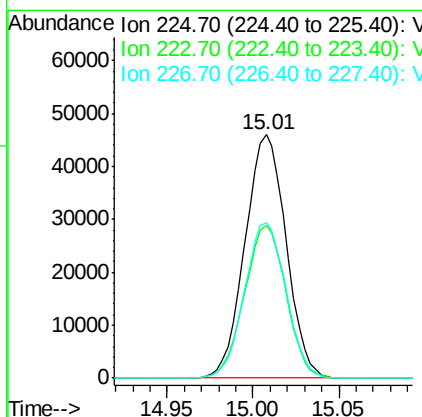
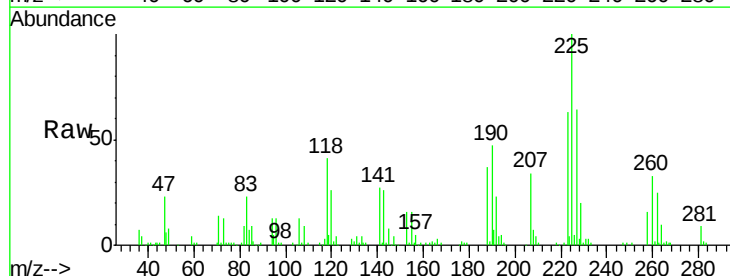
Manual Integrations
 APPROVED

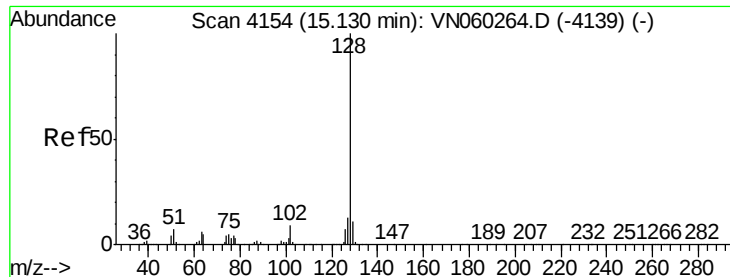
MMDadoda
 3/3/2020 10:04:31 AM



#94
 Hexachlorobutadiene
 Concen: 49.896 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060298.D
 Acq: 2 Mar 2020 9:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	76392		
223	63.0	31.3	93.9	
227	64.4	32.3	96.9	





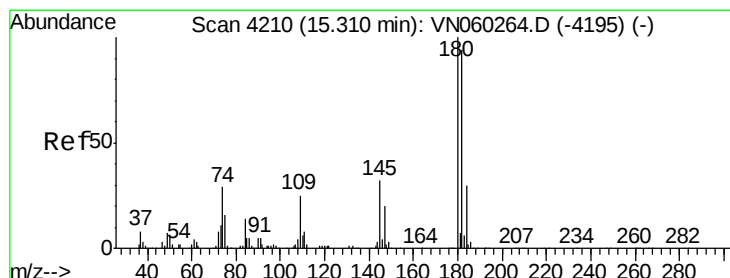
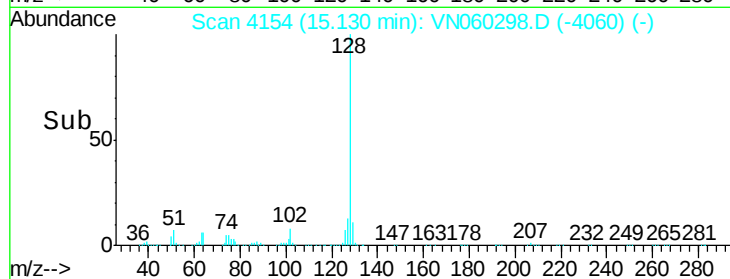
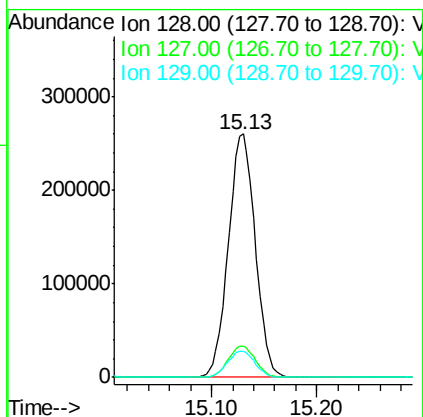
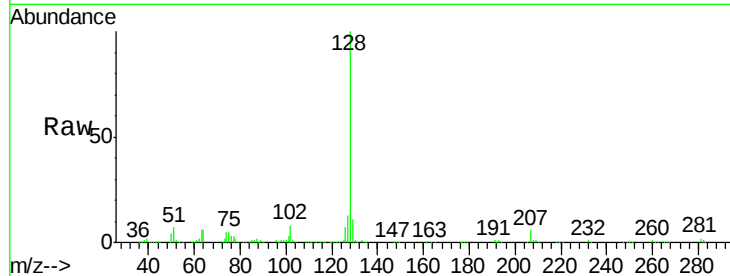
#95
Naphthalene
Concen: 46.577 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060298.D
Acq: 2 Mar 2020 9:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/3/2020 10:04:31 AM



#96
1,2,3-Trichlorobenzene
Concen: 46.923 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060298.D
Acq: 2 Mar 2020 9:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.3	142.0
145	32.2	16.2	48.5

