

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030420\
 Data File : VN060337.D
 Acq On : 4 Mar 2020 8:44
 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
 3/5/2020 1:09:43 PM

Quant Time: Mar 05 05:41:36 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	218183	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	355248	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	331801	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	164267	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	132670	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	
35) Dibromofluoromethane	7.56	113	81434	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
50) Toluene-d8	10.08	98	395142	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	
62) 4-Bromofluorobenzene	12.40	95	151985	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	98172	49.076	ug/l	99
3) Chloromethane	2.03	50	167055	47.966	ug/l	100
4) Vinyl Chloride	2.16	62	137269	45.958	ug/l	99
5) Bromomethane	2.54	94	49033	40.318	ug/l	100
6) Chloroethane	2.68	64	74285	45.903	ug/l	97
7) Trichlorofluoromethane	3.00	101	182398	47.796	ug/l	99
8) Diethyl Ether	3.38	74	69901	48.514	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	107094	49.587	ug/l	99
10) Methyl Iodide	3.92	142	92652	47.006	ug/l	99
11) Tert butyl alcohol	4.72	59	92748	223.133	ug/l	100
12) 1,1-Dichloroethene	3.71	96	103091	49.181	ug/l	99
13) Acrolein	3.57	56	110858	285.882	ug/l	100
14) Allyl chloride	4.29	41	176002	45.539	ug/l	93
15) Acrylonitrile	4.94	53	277288	253.090	ug/l	99
16) Acetone	3.78	43	198531	219.617	ug/l	98
17) Carbon Disulfide	4.03	76	268496	48.244	ug/l	99
18) Methyl Acetate	4.28	43	138680	45.970	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	385615	50.669	ug/l	100
20) Methylene Chloride	4.52	84	118674	47.802	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	111190	49.367	ug/l	95
22) Diisopropyl ether	5.91	45	403231	51.507	ug/l	99
23) Vinyl Acetate	5.86	43	1599195	257.071	ug/l	100
24) 1,1-Dichloroethane	5.81	63	220971	49.864	ug/l	100
25) 2-Butanone	6.80	43	367029	251.364	ug/l	100
26) 2,2-Dichloropropane	6.79	77	206576	51.205	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	134499	46.721	ug/l	99
28) Bromochloromethane	7.17	49	88577	48.683	ug/l	99
29) Tetrahydrofuran	7.18	42	249896	246.116	ug/l	100
30) Chloroform	7.34	83	223905	50.756	ug/l	97
31) Cyclohexane	7.63	56	196068	51.898	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	196380	50.243	ug/l	99
36) 1,1-Dichloropropene	7.77	75	166446	49.162	ug/l	100
37) Ethyl Acetate	6.89	43	163156	50.894	ug/l	99
38) Carbon Tetrachloride	7.75	117	168304	51.057	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	200171	50.144	ug/l	99
40) Benzene	8.02	78	494119	50.143	ug/l	99
41) Methacrylonitrile	7.15	41	83820m	56.626	ug/l	
42) 1,2-Dichloroethane	8.10	62	180409	50.734	ug/l	100
43) Isopropyl Acetate	8.14	43	287494	51.225	ug/l	99
44) Trichloroethene	8.82	130	137574	50.127	ug/l	100
45) 1,2-Dichloropropane	9.10	63	134364	52.151	ug/l	99
46) Dibromomethane	9.19	93	84217	50.376	ug/l	99
47) Bromodichloromethane	9.39	83	180392	53.055	ug/l	100
48) Methyl methacrylate	9.18	41	127804	49.937	ug/l	98
49) 1,4-Dioxane	9.18	88	31289	869.363	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	827210	259.957	ug/l	99
52) Toluene	10.14	92	312342	50.458	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	212295	50.957	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	222530	51.546	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	124582	50.047	ug/l	99
56) Ethyl methacrylate	10.42	69	192416	53.804	ug/l	100
57) 1,3-Dichloropropane	10.70	76	208698	51.409	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	444988	237.910	ug/l	99
59) 2-Hexanone	10.74	43	631191	270.158	ug/l	99
60) Dibromochloromethane	10.89	129	135816	53.650	ug/l	100
61) 1,2-Dibromoethane	10.99	107	126093	51.962	ug/l	99
64) Tetrachloroethene	10.62	164	144389	55.423	ug/l	99
65) Chlorobenzene	11.43	112	333406	49.763	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	128556	51.894	ug/l	100
67) Ethyl Benzene	11.50	91	623149	51.073	ug/l	100
68) m/p-Xylenes	11.61	106	462316	100.430	ug/l	99
69) o-Xylene	11.94	106	224057	51.042	ug/l	99
70) Styrene	11.96	104	375024	51.962	ug/l	99
71) Bromoform	12.12	173	97542	54.634	ug/l #	100
73) Isopropylbenzene	12.24	105	611521	50.226	ug/l	100
74) N-amyl acetate	12.06	43	261584	49.167	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	165628	50.046	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	161376m	44.777	ug/l	
77) Bromobenzene	12.52	156	146958	49.241	ug/l	99
78) n-propylbenzene	12.59	91	724213	50.745	ug/l	100
79) 2-Chlorotoluene	12.67	91	416142	49.605	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	521612	50.884	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	68511	52.475	ug/l	97
82) 4-Chlorotoluene	12.77	91	440472	49.835	ug/l	99
83) tert-Butylbenzene	12.99	119	438086	49.360	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	517820	50.046	ug/l	99
85) sec-Butylbenzene	13.17	105	608957	51.237	ug/l	100
86) p-Isopropyltoluene	13.28	119	556747	50.612	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	271051	52.865	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	270785	53.125	ug/l	99
89) n-Butylbenzene	13.61	91	521769	51.670	ug/l	100
90) Hexachloroethane	13.87	117	80169	50.349	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	256867	49.118	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	35995	48.028	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	176453	53.096	ug/l	99
94) Hexachlorobutadiene	15.01	225	86883	56.959	ug/l	98
95) Naphthalene	15.13	128	483166	49.362	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	160641	51.337	ug/l	100

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

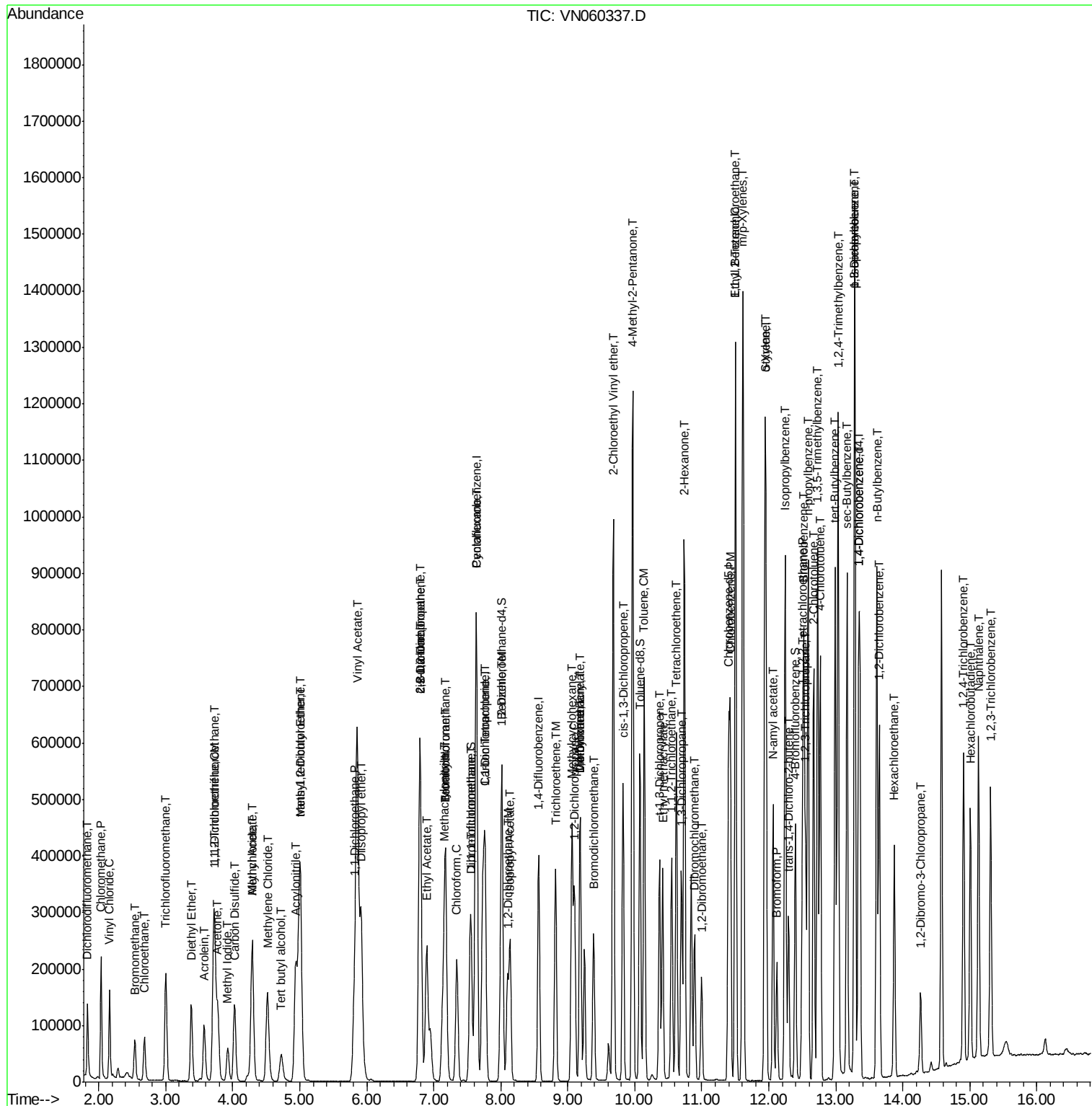
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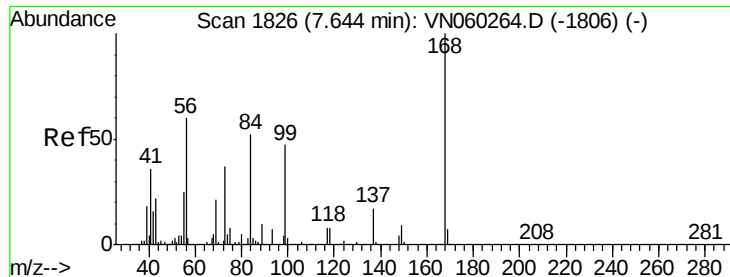
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 218183

Ion Ratio Lower Upper

168 100

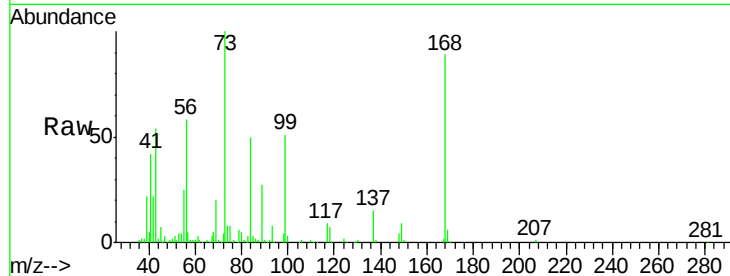
99 56.7 44.7 67.1

Manual Integrations

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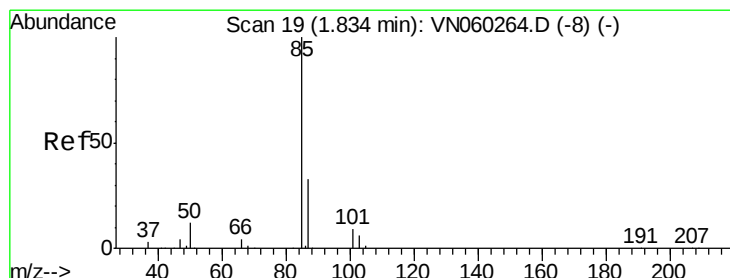
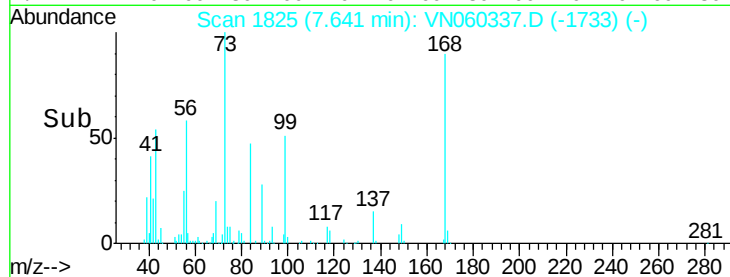
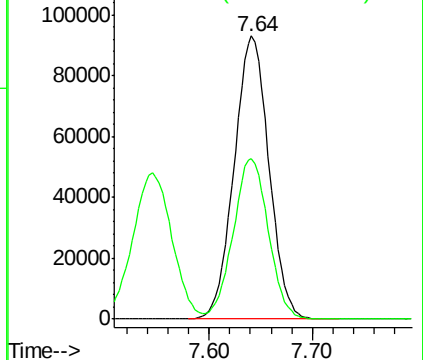
MMDadoda

3/5/2020 1:09:43 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 49.076 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060337.D

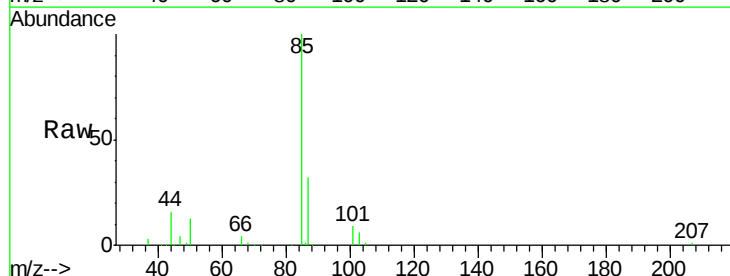
Acq: 4 Mar 2020 8:44

Tgt Ion: 85 Resp: 98172

Ion Ratio Lower Upper

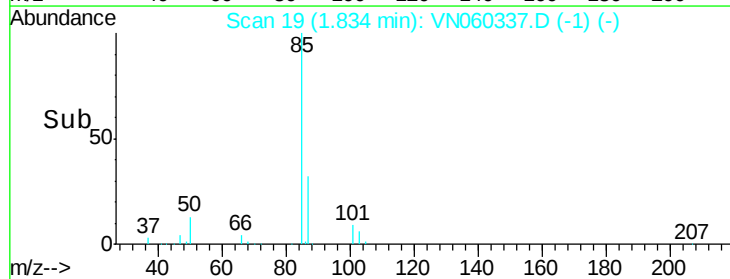
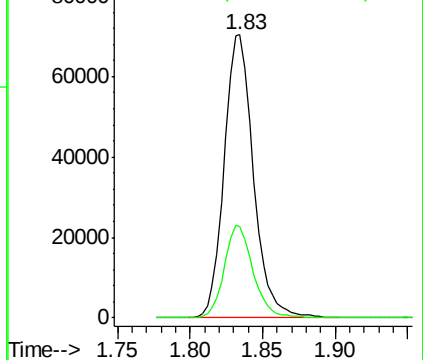
85 100

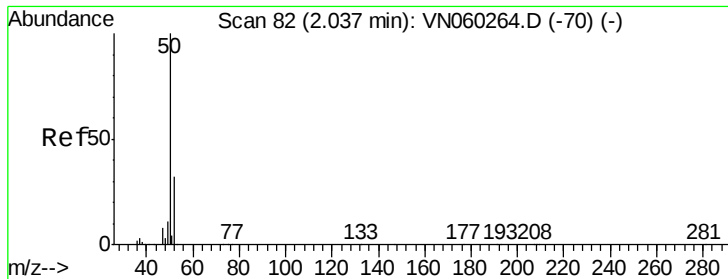
87 32.1 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 47.966 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 167055

Ion Ratio Lower Upper

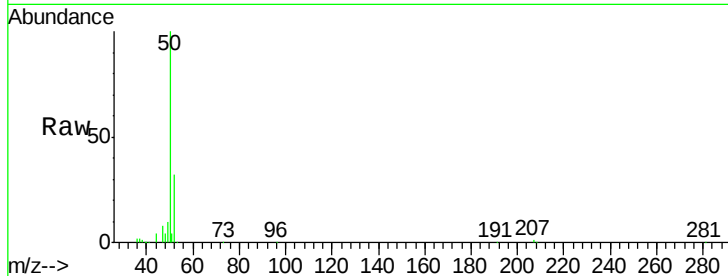
50 100

52 31.9 25.6 38.4

Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.03

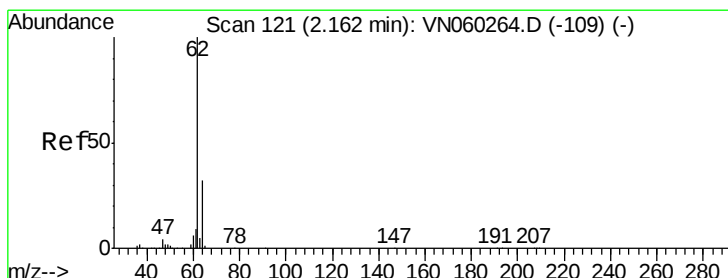
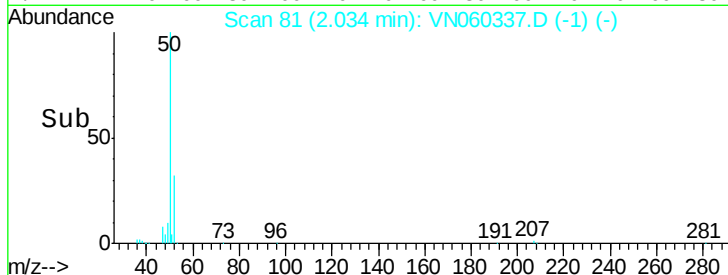
150000

100000

50000

0

Time--> 1.95 2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 45.958 ug/l

RT: 2.16 min Scan# 121

Delta R.T. -0.00 min

Lab File: VN060337.D

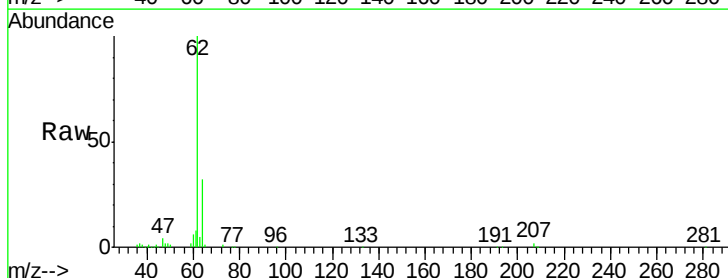
Acq: 4 Mar 2020 8:44

Tgt Ion: 62 Resp: 137269

Ion Ratio Lower Upper

62 100

64 32.2 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

100000

80000

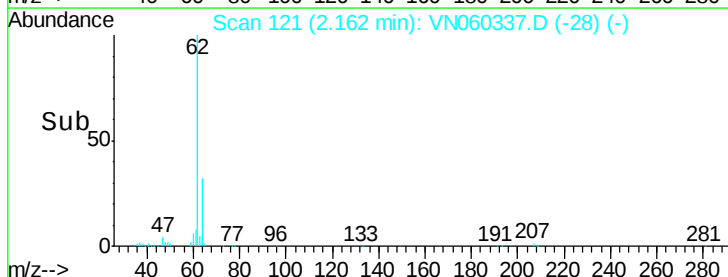
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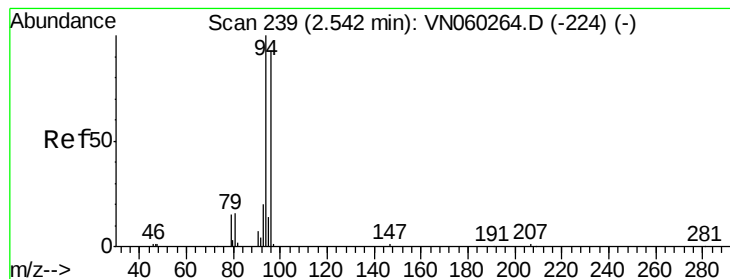
40000

20000

0

Time--> 2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 40.318 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Tot Ion: 94 Resp: 49033

Ion Ratio Lower Upper

94 100

96 93.0 74.3 111.5

Instrument :

MSVOA_N

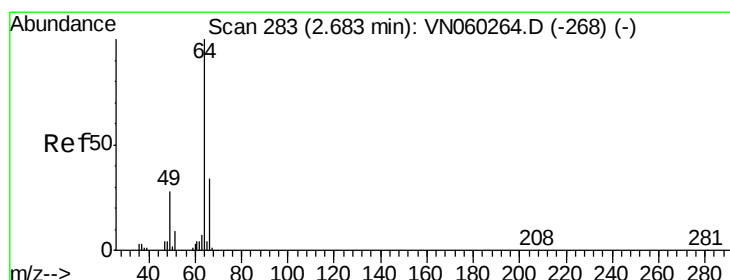
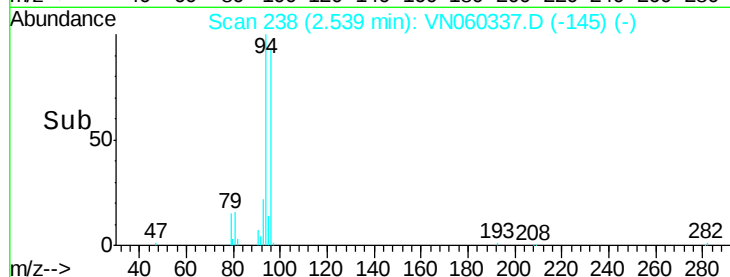
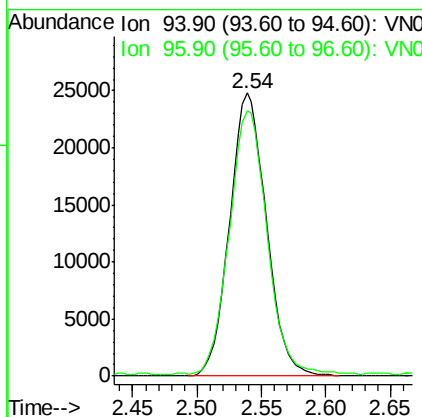
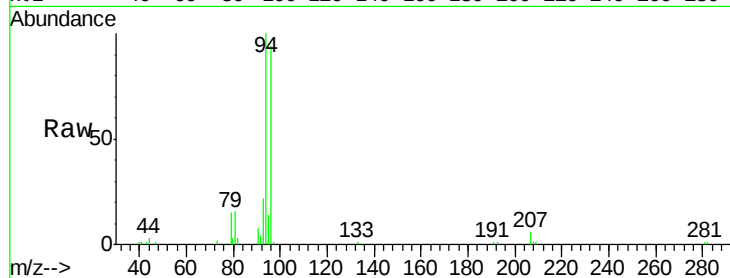
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#6

Chloroethane

Concen: 45.903 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060337.D

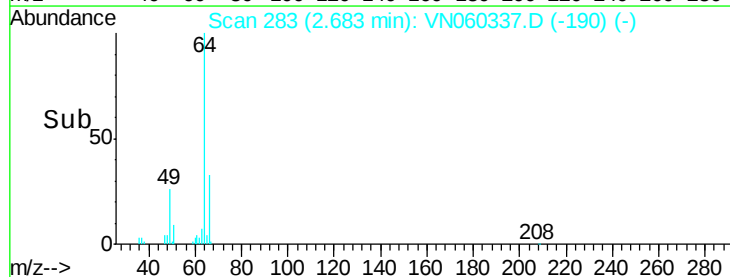
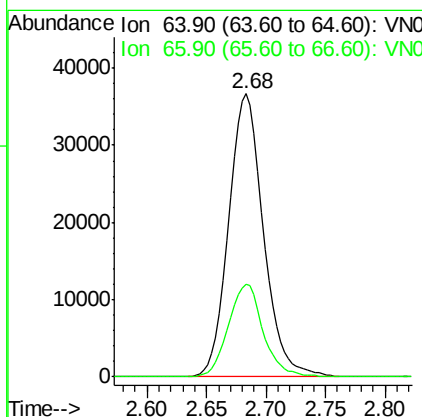
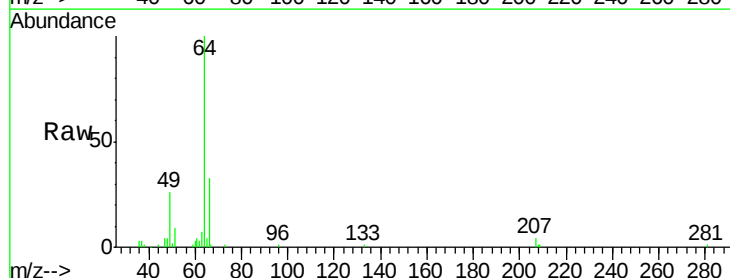
Acq: 4 Mar 2020 8:44

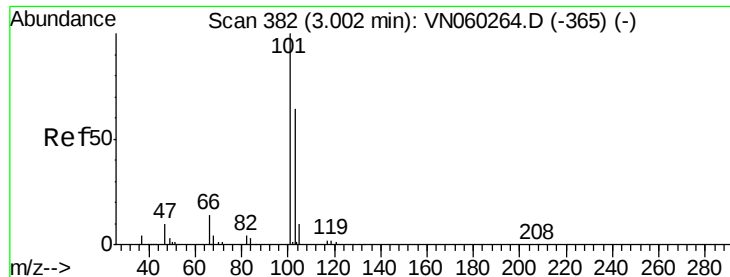
Tgt Ion: 64 Resp: 74285

Ion Ratio Lower Upper

64 100

66 32.8 27.4 41.2





#7

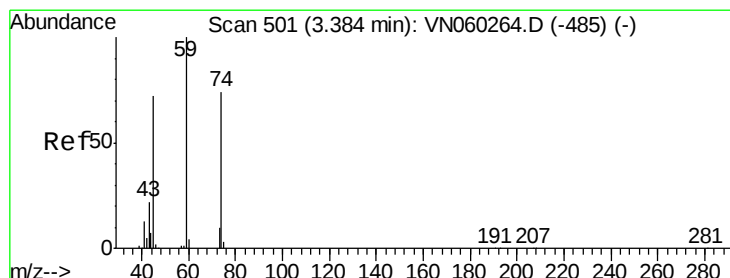
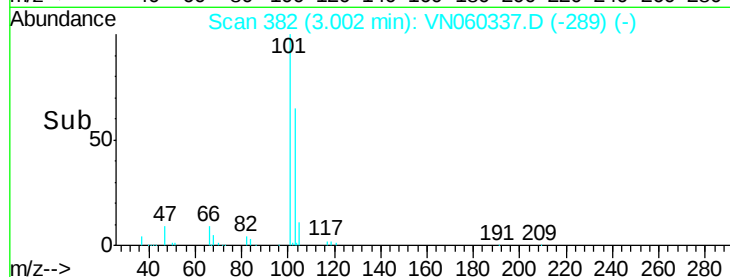
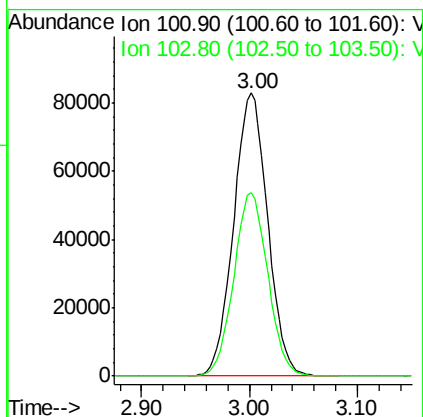
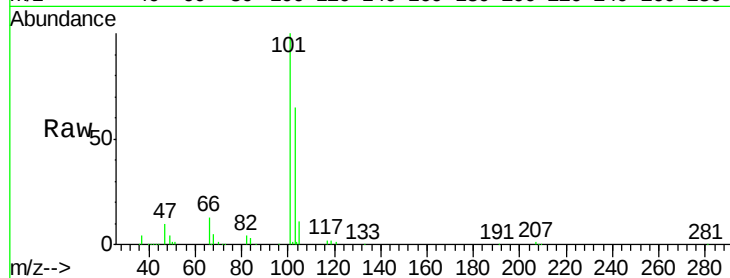
Trichlorofluoromethane
Concen: 47.796 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		182398		
103	64.9	51.3	76.9		

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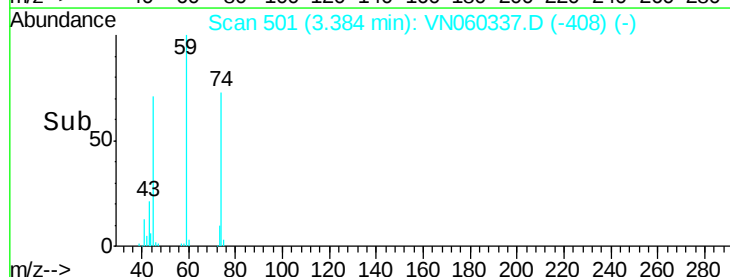
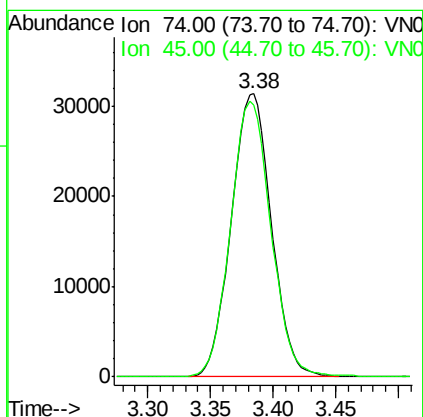
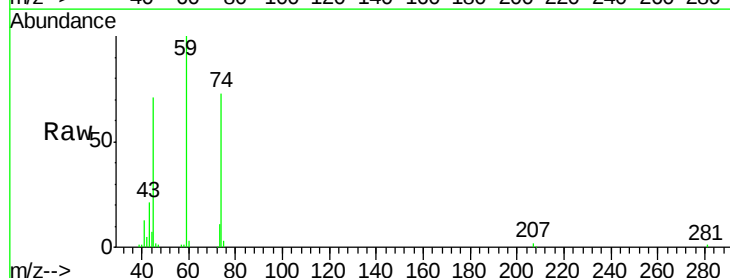
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3/5/2020 1:09:43 PM



#8

Diethyl Ether
Concen: 48.514 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		69901		
45	98.1	49.5	148.7		





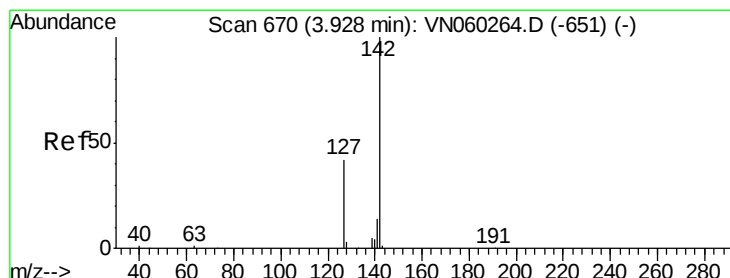
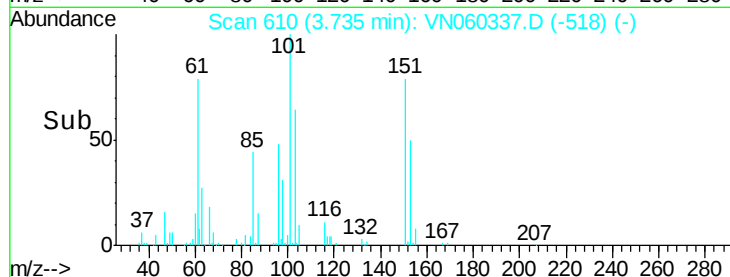
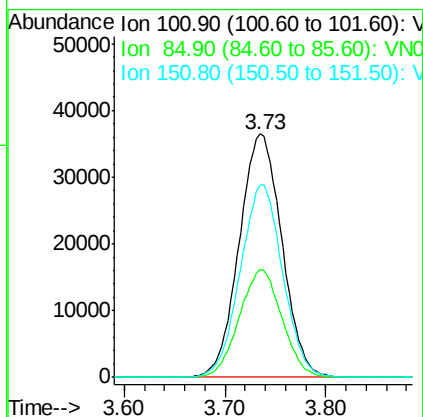
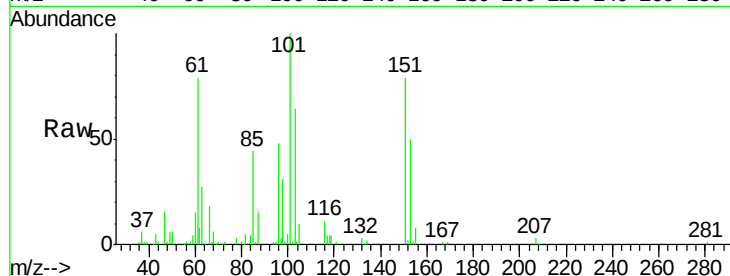
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 49.587 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN060337.D
 Acq: 4 Mar 2020 8:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	107094		
85	44.2	35.4	53.2	
151	78.7	62.0	93.0	

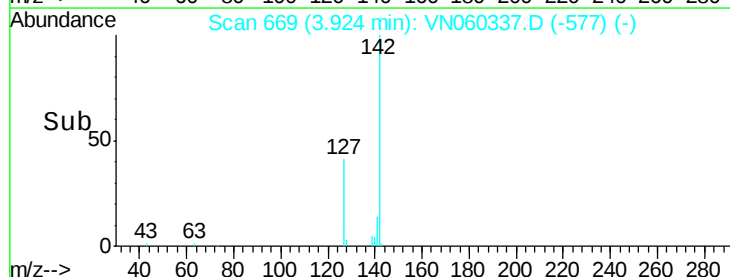
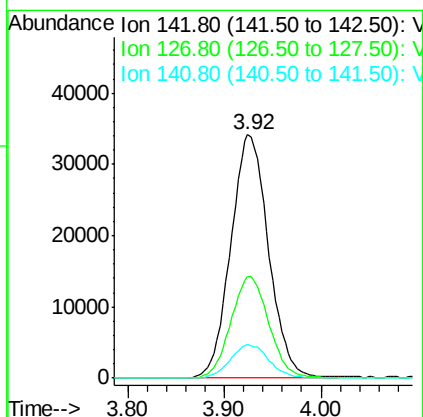
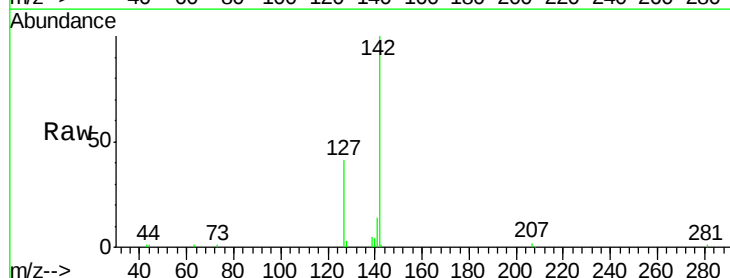
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#10
 Methyl Iodide
 Concen: 47.006 ug/l
 RT: 3.92 min Scan# 669
 Delta R.T. -0.00 min
 Lab File: VN060337.D
 Acq: 4 Mar 2020 8:44

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	92652		
127	41.8	33.8	50.6	
141	13.9	11.1	16.7	





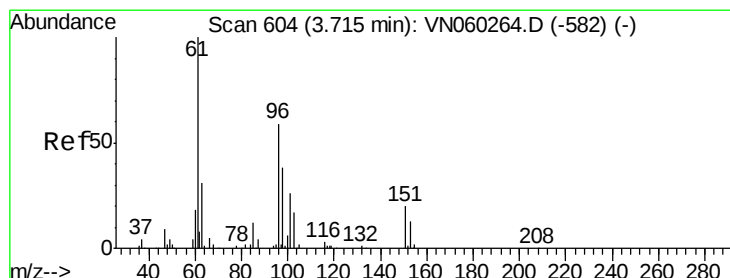
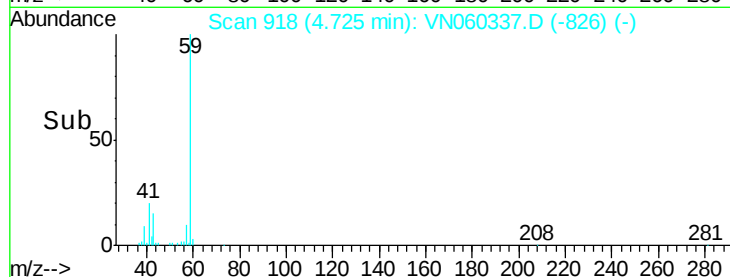
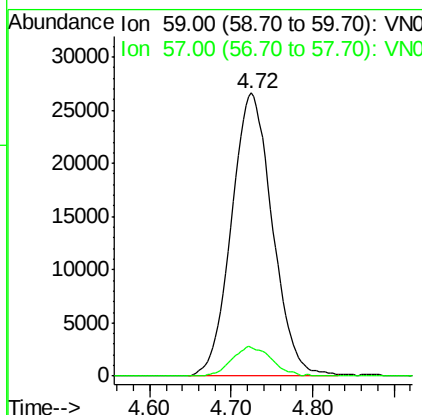
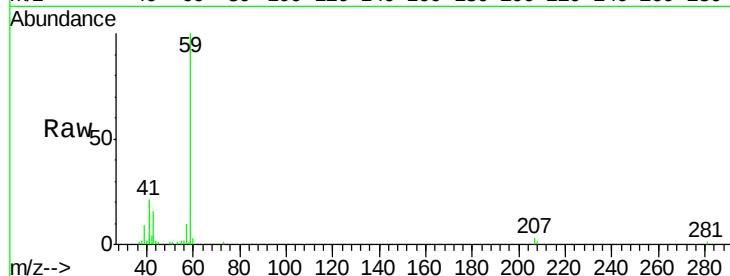
#11
Tert butyl alcohol
Concen: 223.133 ug/l
RT: 4.72 min Scan# 918
Delta R.T. -0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 92748
Ion Ratio Lower Upper
59 100
57 10.1 8.2 12.2

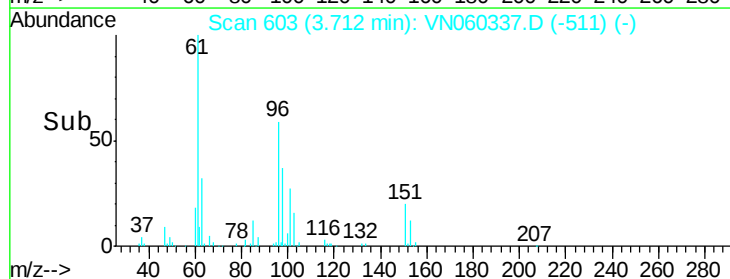
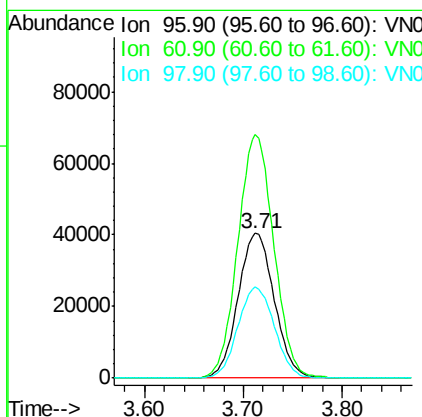
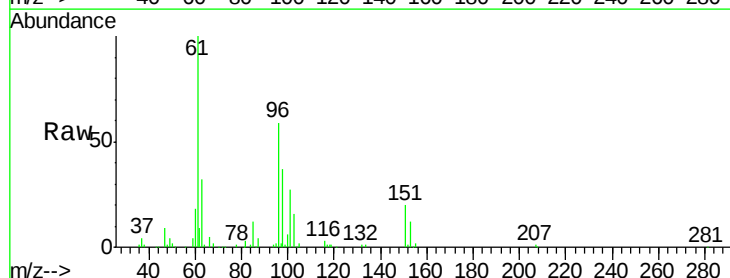
Manual Integrations
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#12
1,1-Dichloroethene
Concen: 49.181 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Tgt Ion: 96 Resp: 103091
Ion Ratio Lower Upper
96 100
61 168.2 135.4 203.0
98 62.7 51.6 77.4





#13

Acrolein

Concen: 285.882 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 110858

Ion Ratio Lower Upper

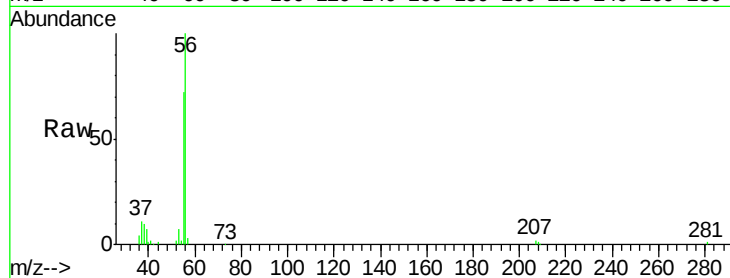
56 100

55 71.6 57.4 86.0

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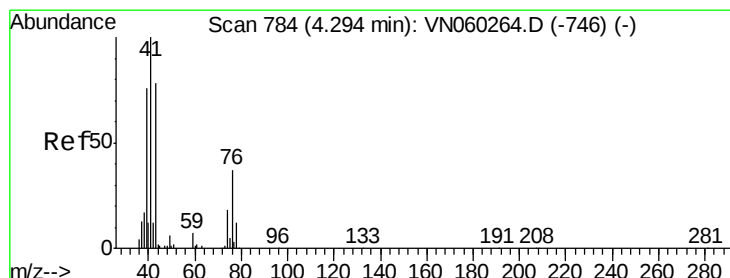
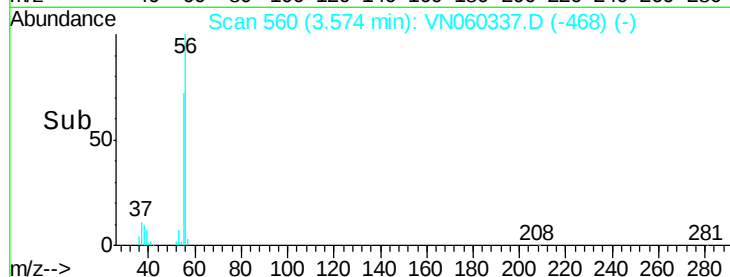
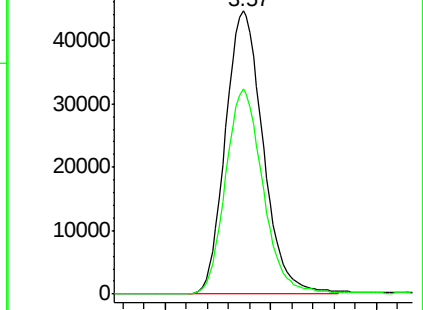
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Abundance Ion 56.00 (55.70 to 56.70): VN060337.D (-468) (-)

Ion 55.00 (54.70 to 55.70): VN060337.D (-468) (-)



#14

Allyl chloride

Concen: 45.539 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

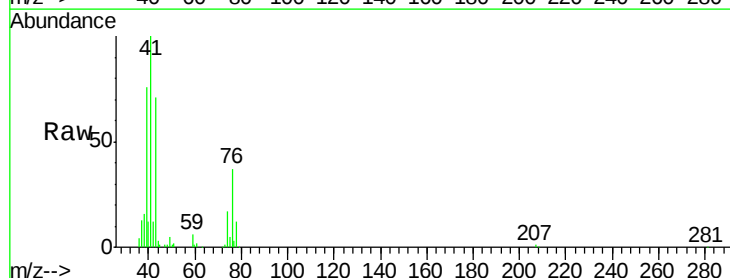
Tgt Ion: 41 Resp: 176002

Ion Ratio Lower Upper

41 100

39 75.9 55.4 83.2

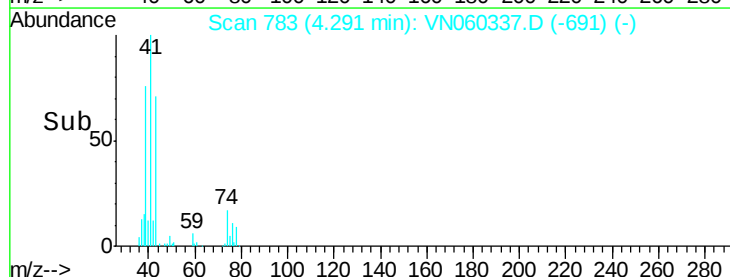
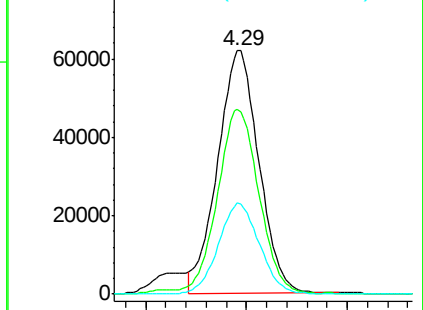
76 37.2 27.0 40.6



Abundance Ion 41.00 (40.70 to 41.70): VN060337.D (-691) (-)

Ion 39.00 (38.70 to 39.70): VN060337.D (-691) (-)

Ion 75.90 (75.60 to 76.60): VN060337.D (-691) (-)





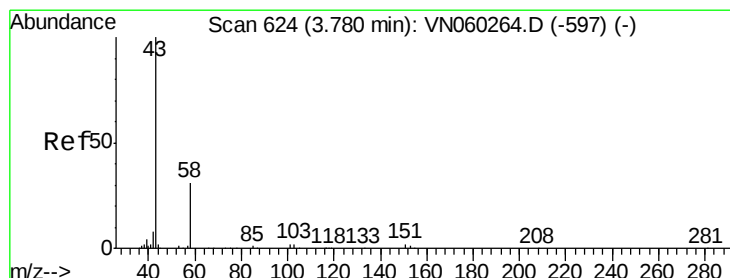
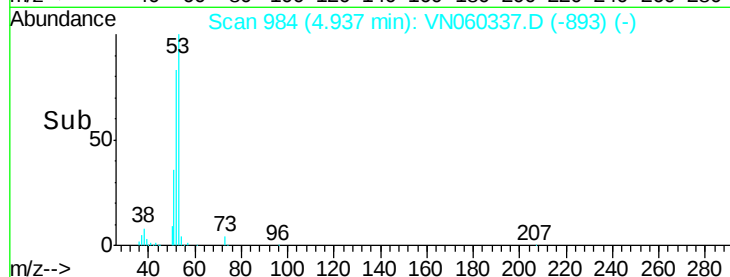
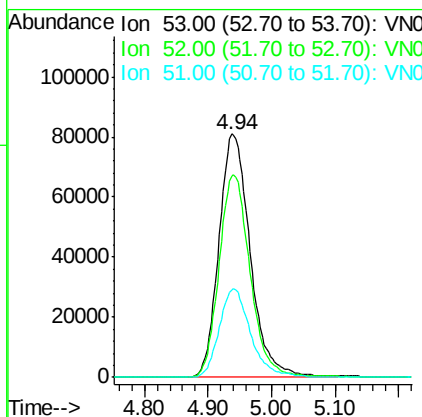
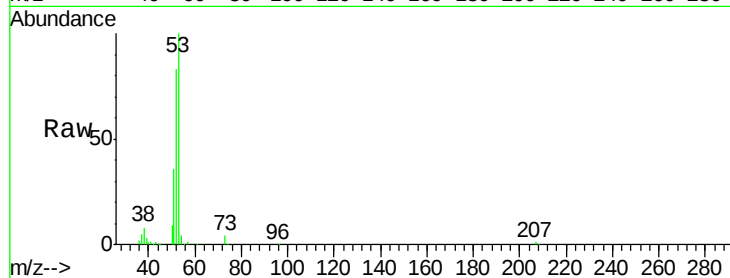
#15
 Acrylonitrile
 Concen: 253.090 ug/l
 RT: 4.94 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: VN060337.D
 Acq: 4 Mar 2020 8:44

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

Tot Ion:	53	Resp:	277288
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.8	100.2
51	36.4	29.0	43.6

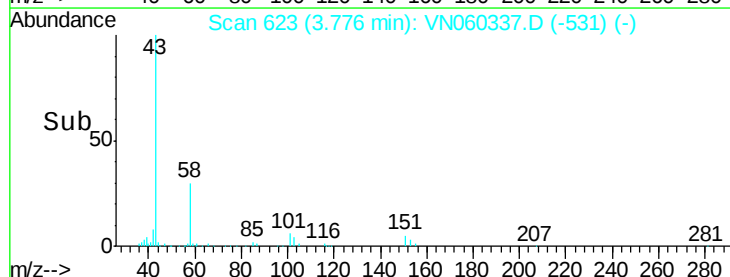
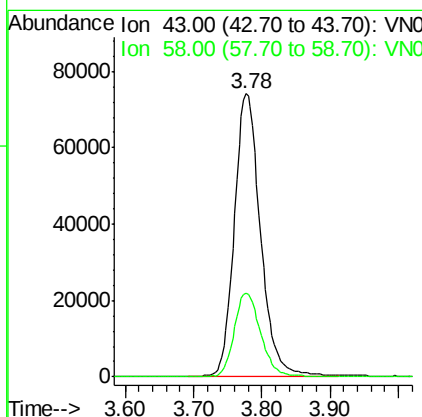
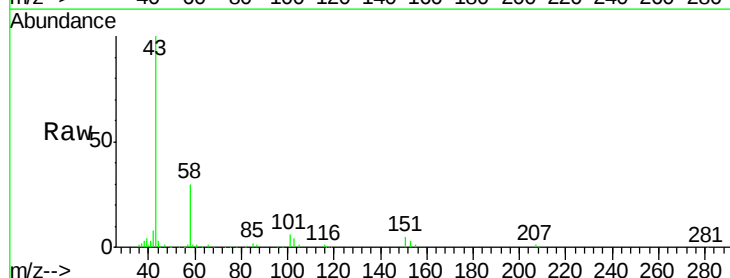
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#16
 Acetone
 Concen: 219.617 ug/l
 RT: 3.78 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: VN060337.D
 Acq: 4 Mar 2020 8:44

Tgt Ion:	43	Resp:	198531
Ion	Ratio	Lower	Upper
43	100		
58	29.6	24.6	36.8





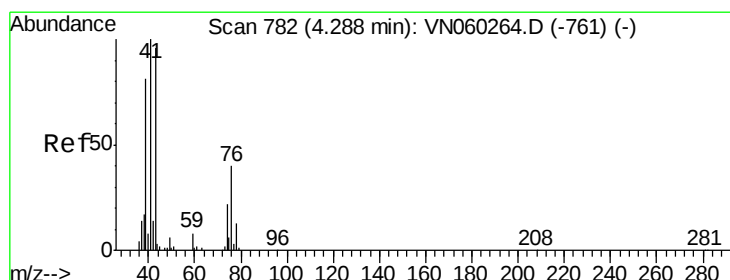
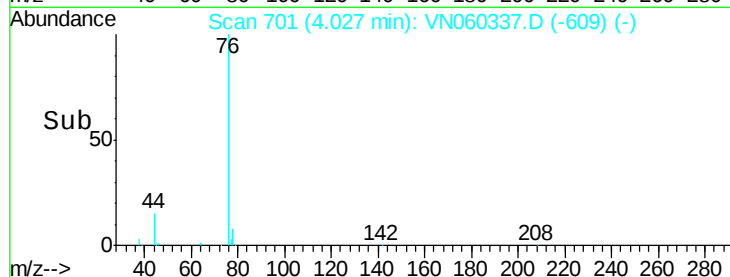
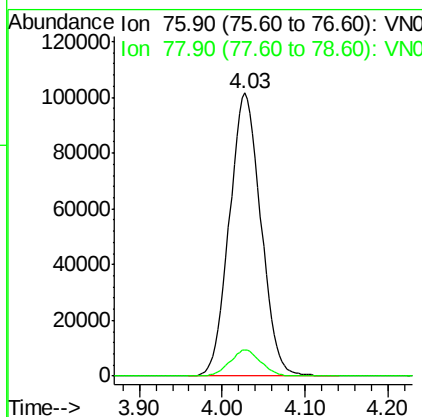
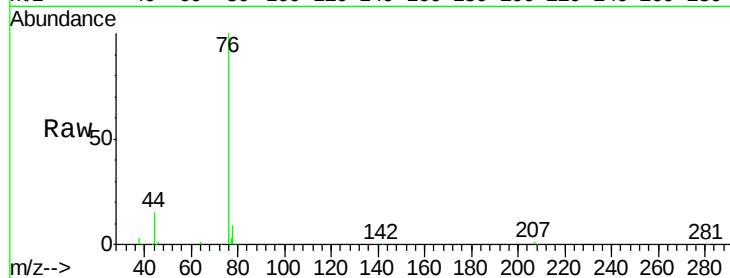
#17
Carbon Disulfide
Concen: 48.244 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.0

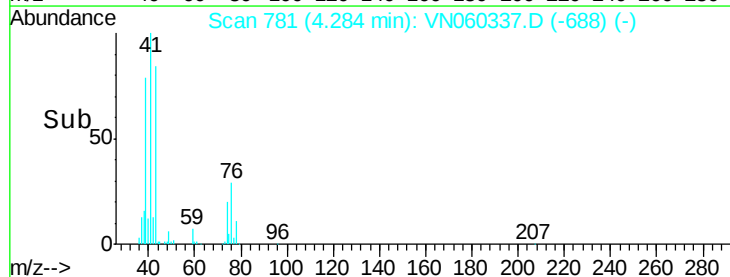
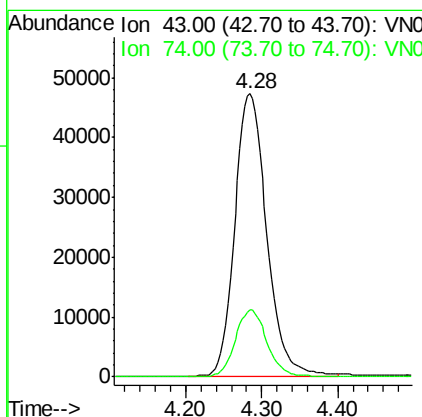
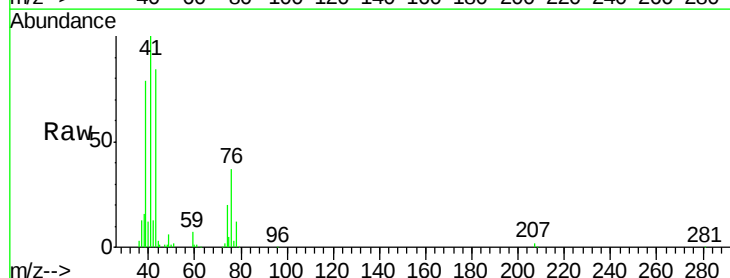
Manual Integrations
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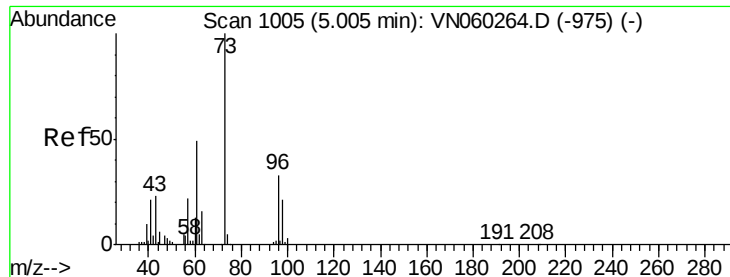
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#18
Methyl Acetate
Concen: 45.970 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	18.8	28.2





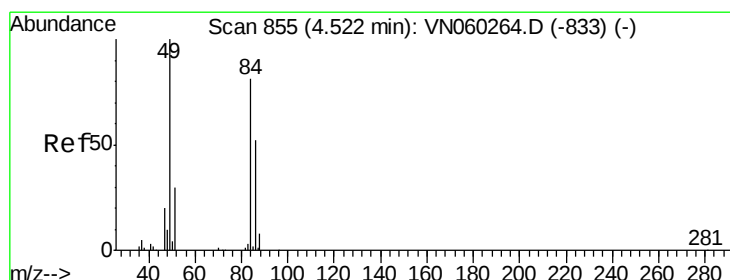
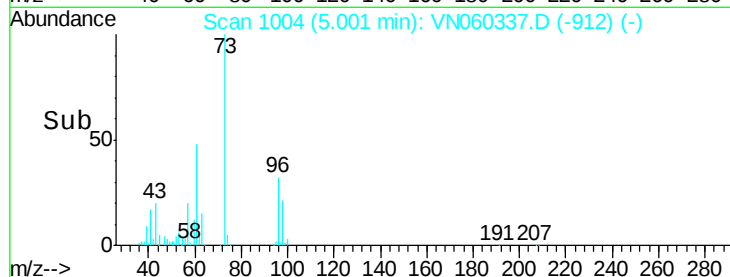
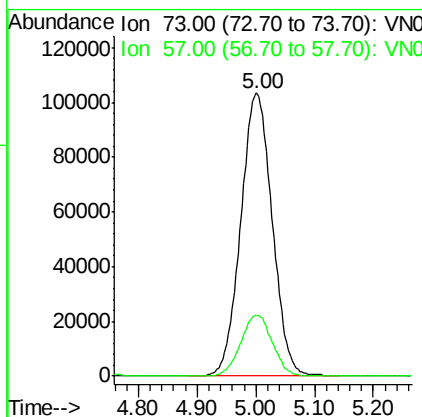
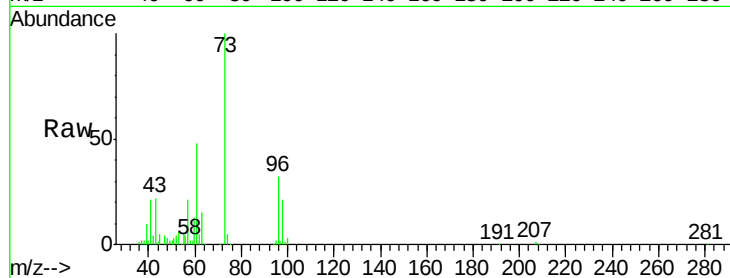
#19
Methvl tert-butvl Ether
Concen: 50.669 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.3	25.9

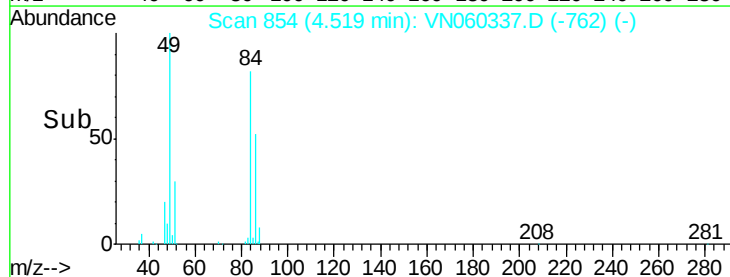
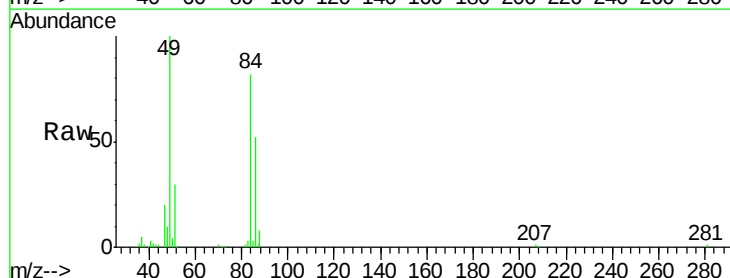
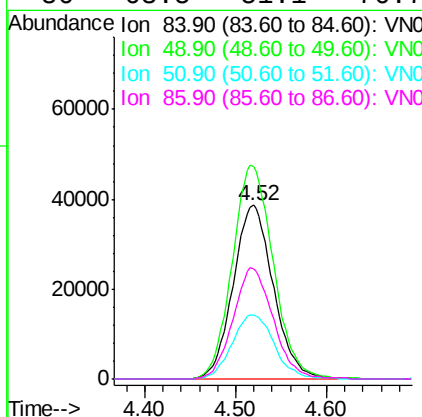
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#20
Methylene Chloride
Concen: 47.802 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.6	99.3	148.9
51	37.1	30.1	45.1
86	63.5	51.1	76.7





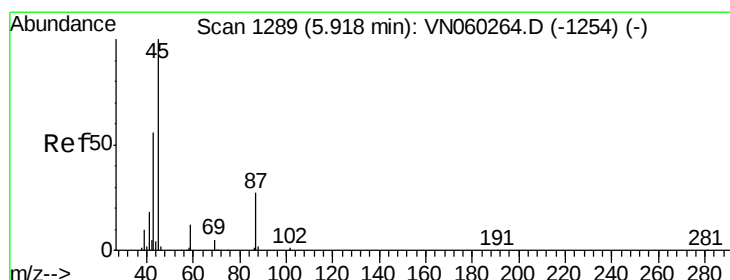
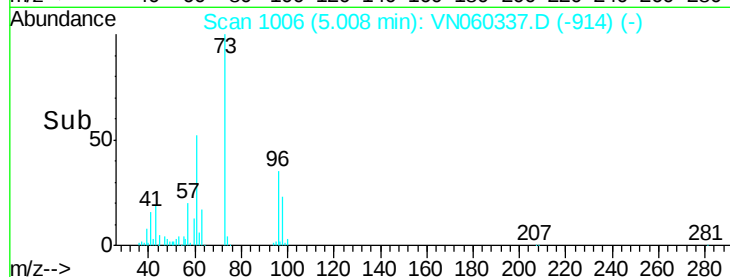
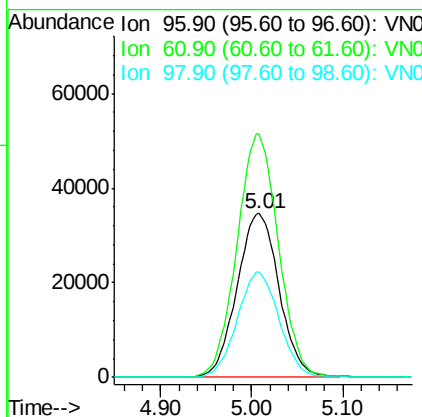
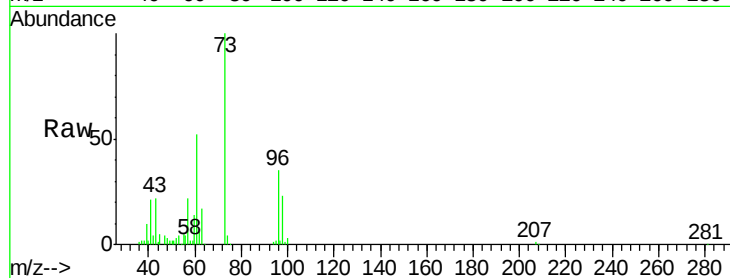
#21
trans-1,2-Dichloroethene
Concen: 49.367 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.3	113.8	170.8
98	64.6	48.8	73.2

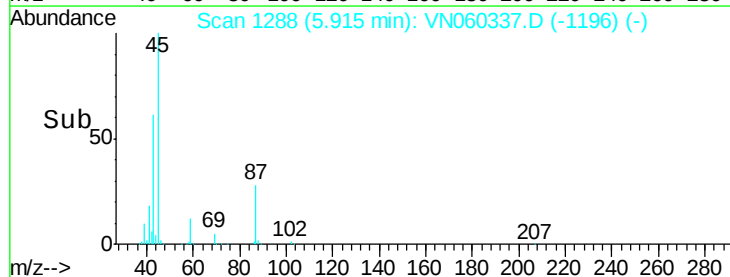
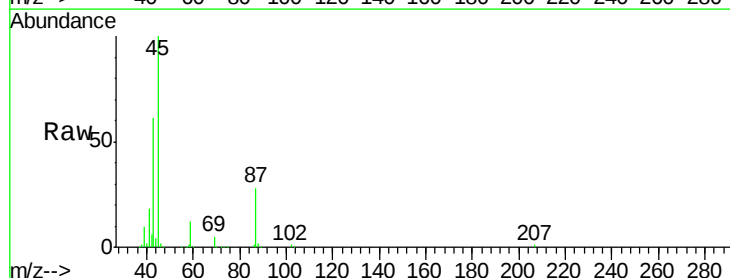
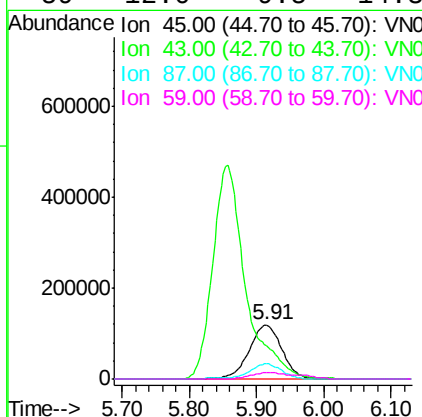
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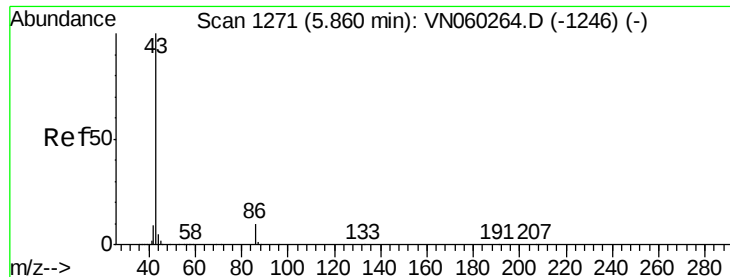
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#22
Diisopropyl ether
Concen: 51.507 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.7	48.6	72.8
87	28.2	22.2	33.2
59	12.0	9.5	14.3





#23

Vinyl Acetate

Concen: 257.071 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Tot Ion: 43 Resp: 1599195

Ion Ratio Lower Upper

43 100

86 10.1 8.0 12.0

Instrument :

MSVOA_N

ClientSampled :

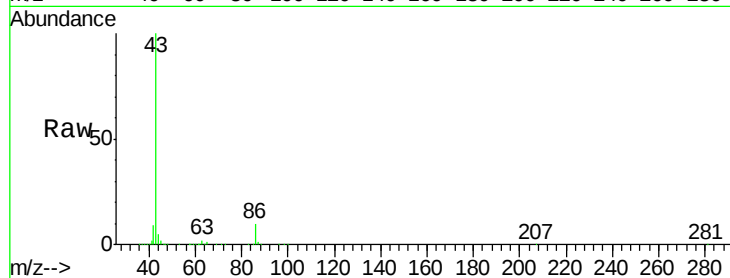
VSTDCCC050

Manual Integrations

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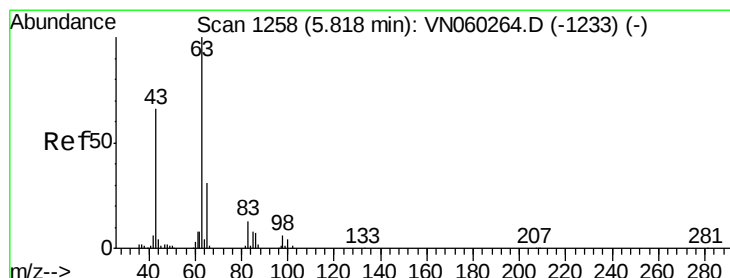
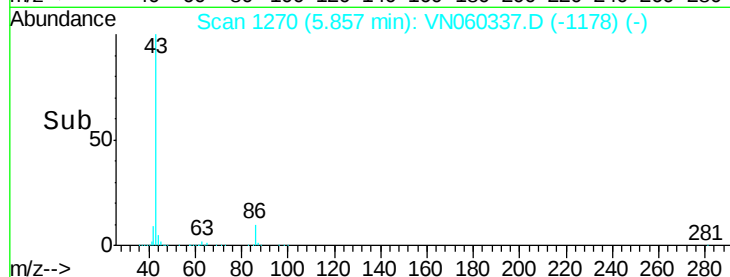
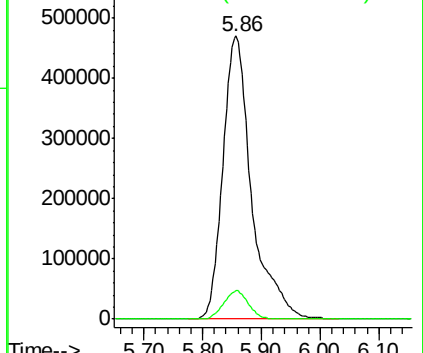
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 49.864 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

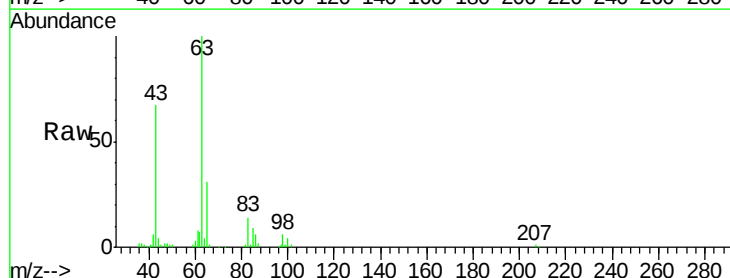
Tgt Ion: 63 Resp: 220971

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.0

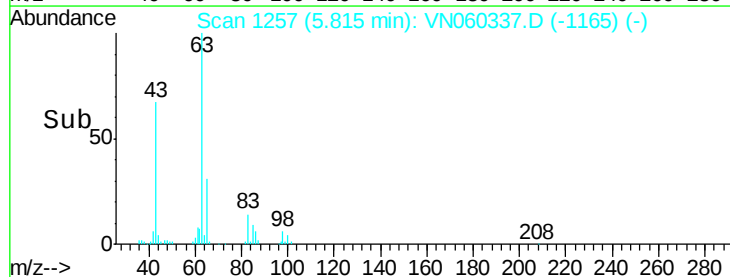
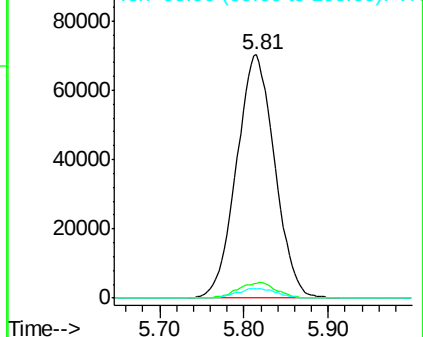
100 3.9 2.0 6.0

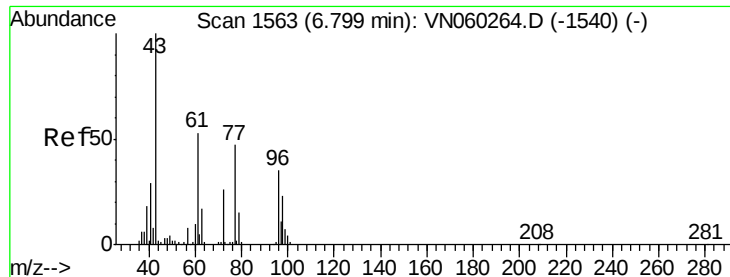


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 251.364 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 367029

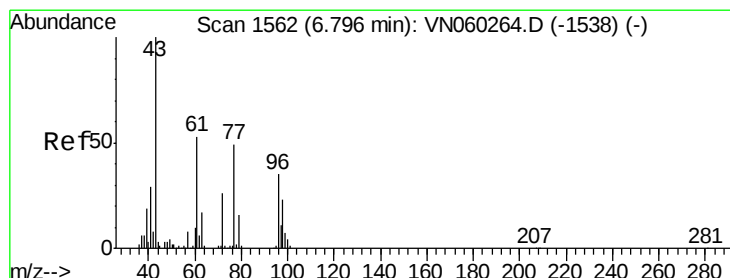
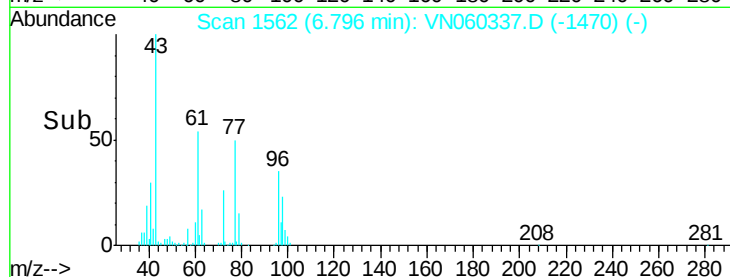
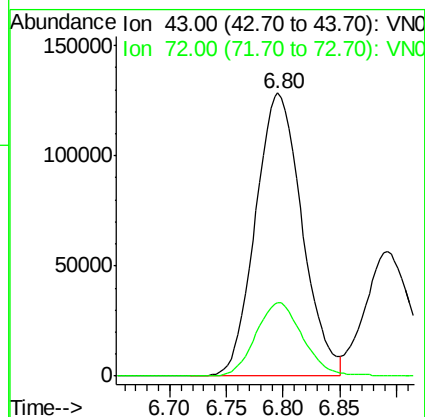
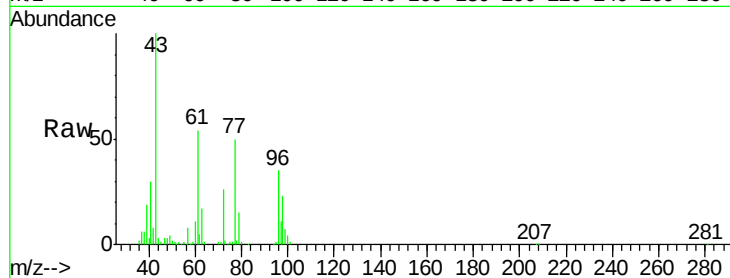
Ion Ratio Lower Upper

43 100

72 26.2 20.9 31.3

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#26

2,2-Dichloropropane

Concen: 51.205 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060337.D

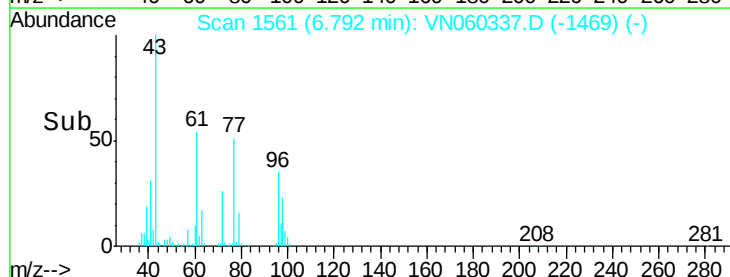
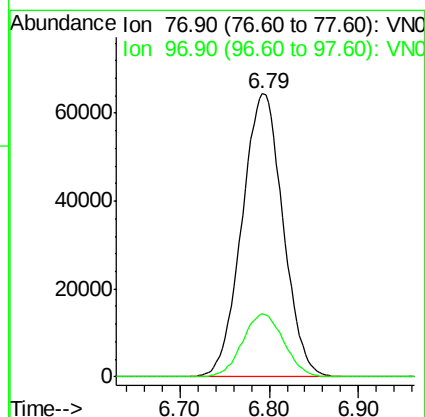
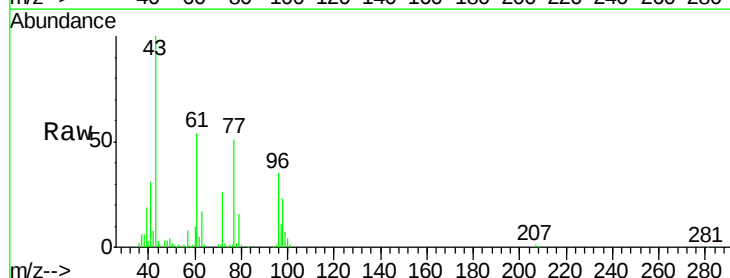
Acq: 4 Mar 2020 8:44

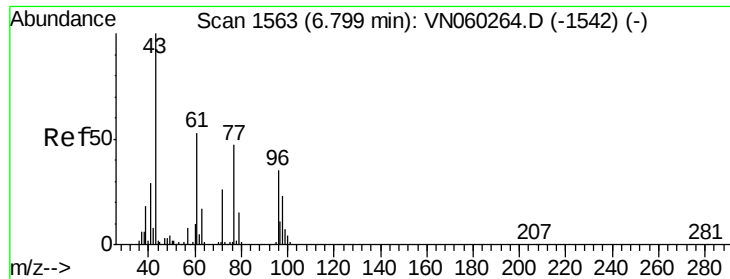
Tgt Ion: 77 Resp: 206576

Ion Ratio Lower Upper

77 100

97 22.3 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 46.721 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Instrument :

MSVOA_N

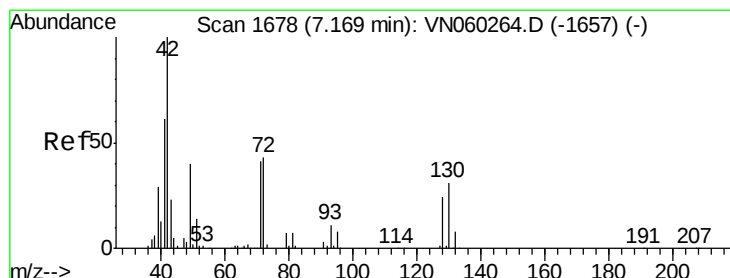
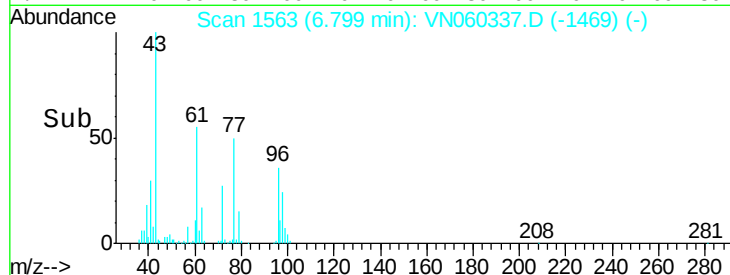
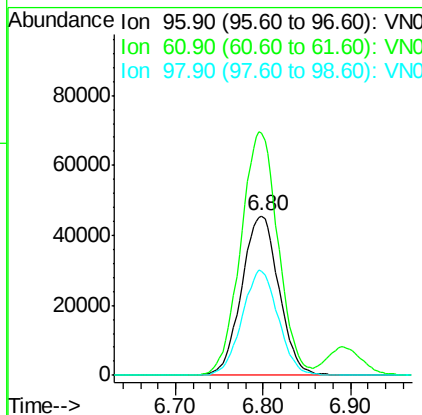
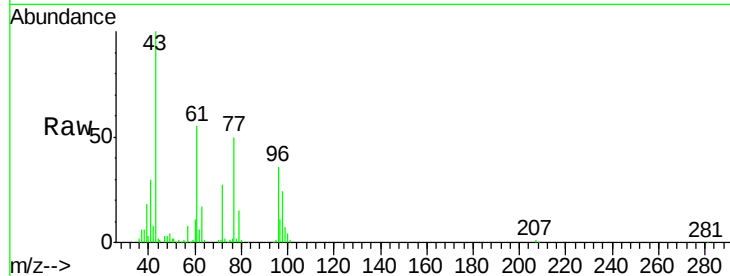
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	134499
Ion Ratio	Lower	Upper	
96	100		
61	153.0	0.0	300.8
98	64.2	0.0	128.2

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#28

Bromochloromethane

Concen: 48.683 ug/l

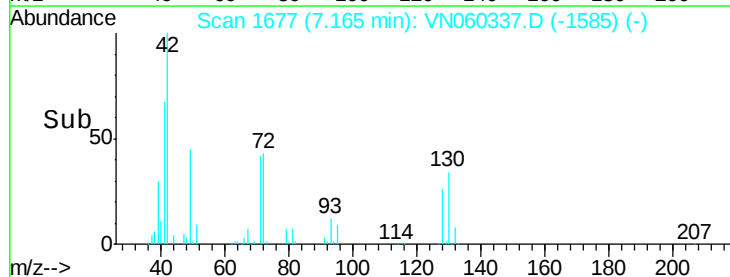
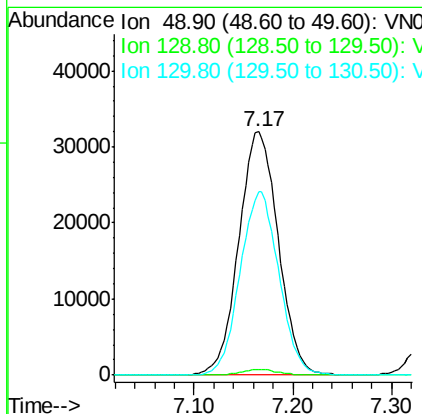
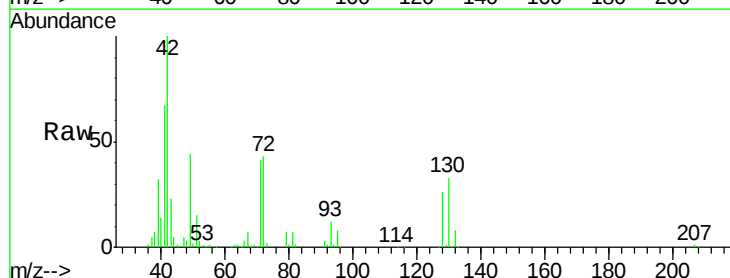
RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Tgt Ion:	49	Resp:	88577
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	3.8
130	73.9	59.8	89.8





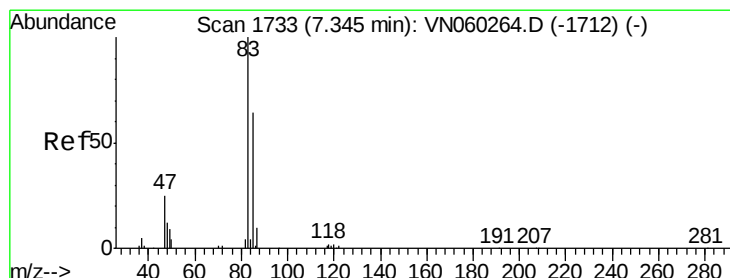
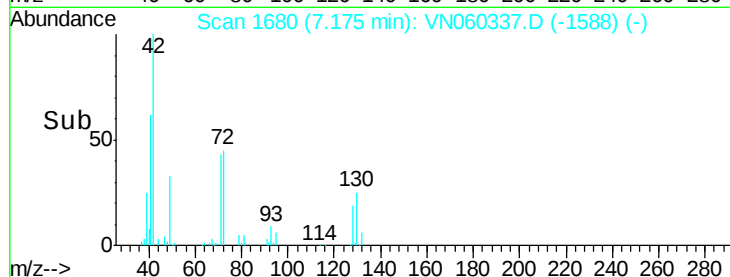
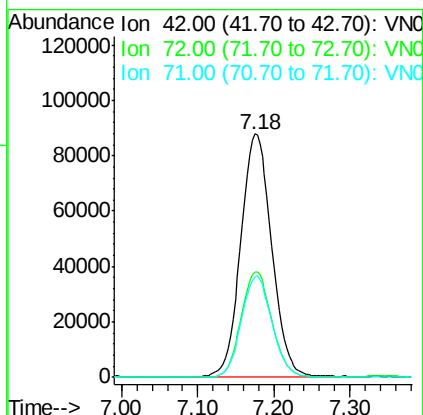
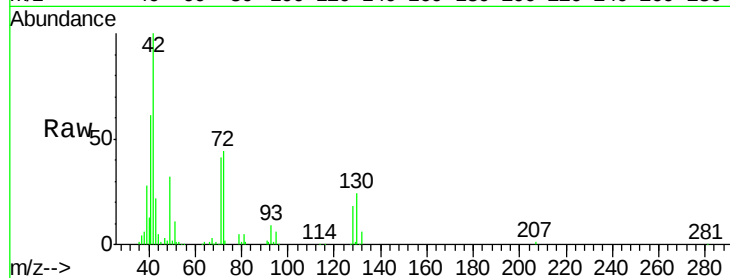
#29
Tetrahydrofuran
Concen: 246.116 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	34.6	52.0
71	41.0	32.9	49.3

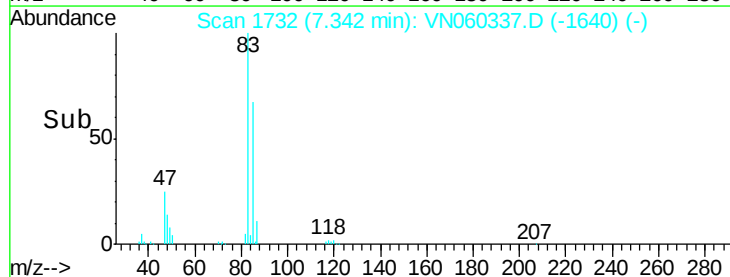
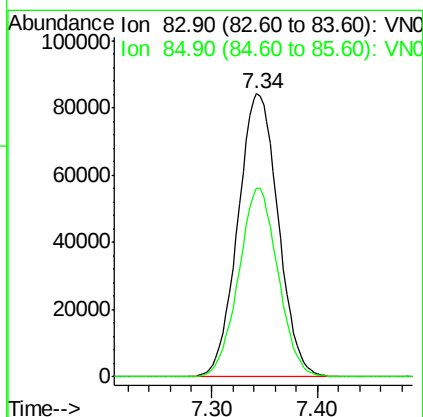
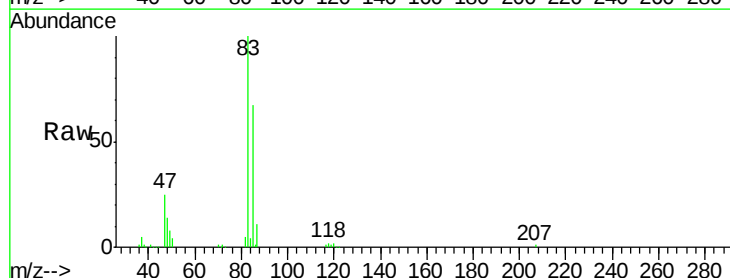
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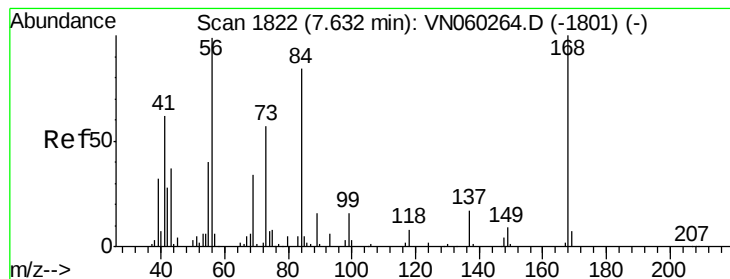
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#30
Chloroform
Concen: 50.756 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	51.4	77.2





#31

Cyclohexane

Concen: 51.898 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Instrument :

MSVOA_N

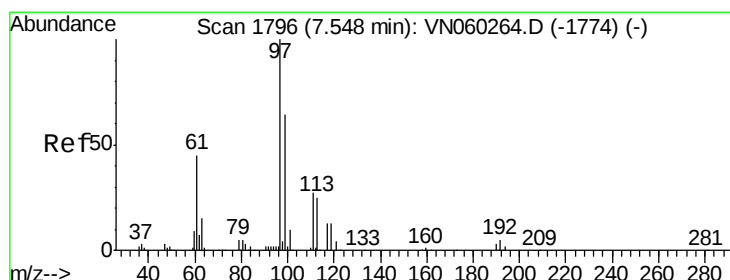
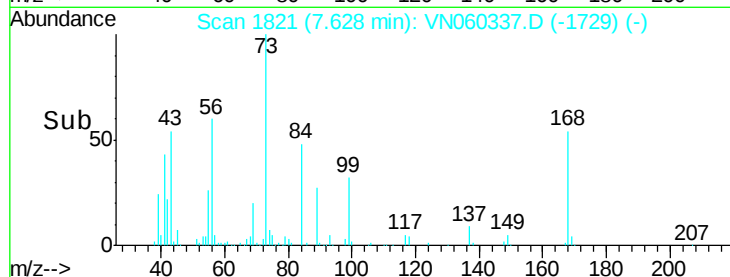
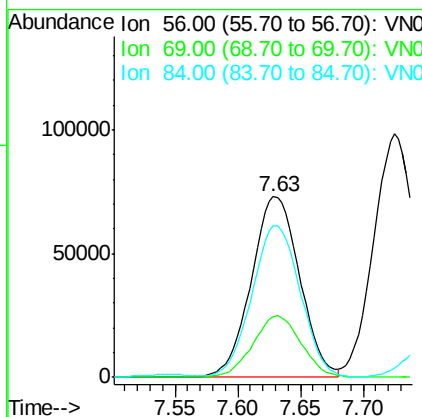
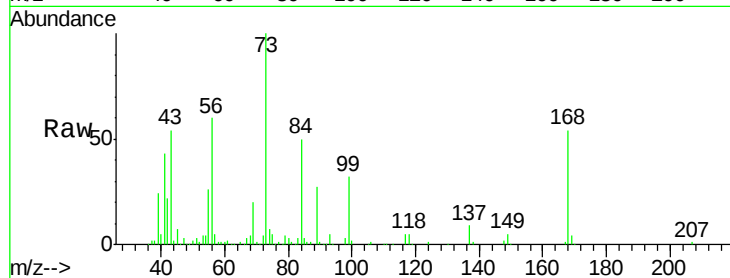
ClientSampled :

VSTDCCC050

Tot Ion:	56	Resp:	196068
Ion Ratio	Lower	Upper	
56	100		
69	33.7	27.2	40.8
84	82.6	66.7	100.1

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#32

1,1,1-Trichloroethane

Concen: 50.243 ug/l

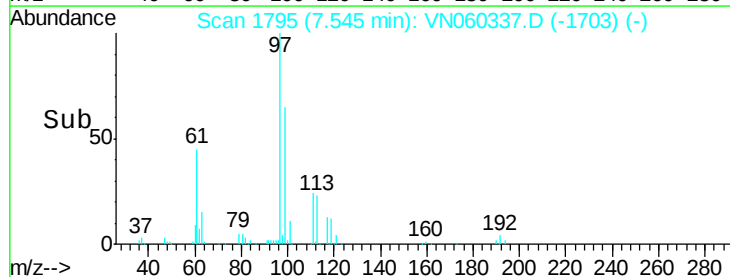
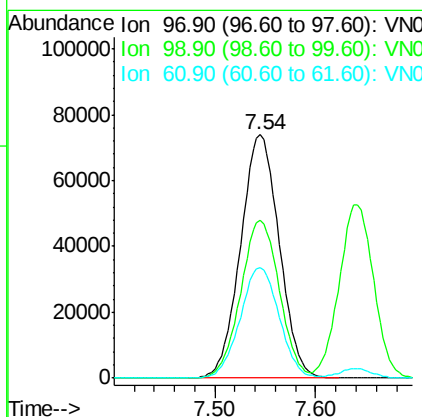
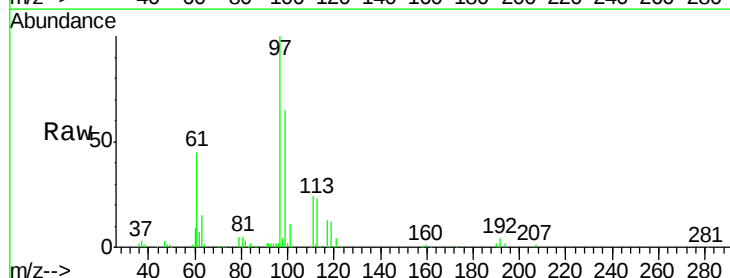
RT: 7.54 min Scan# 1795

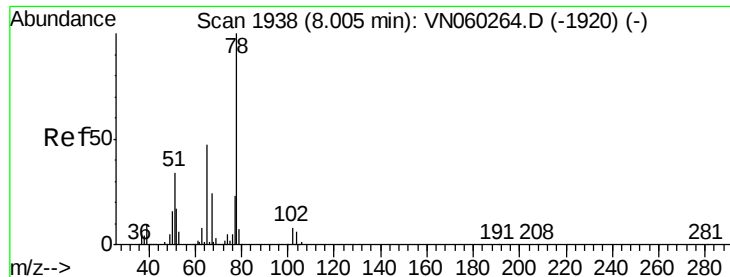
Delta R.T. -0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Tgt Ion:	97	Resp:	196380
Ion Ratio	Lower	Upper	
97	100		
99	65.0	51.4	77.0
61	45.9	36.6	55.0





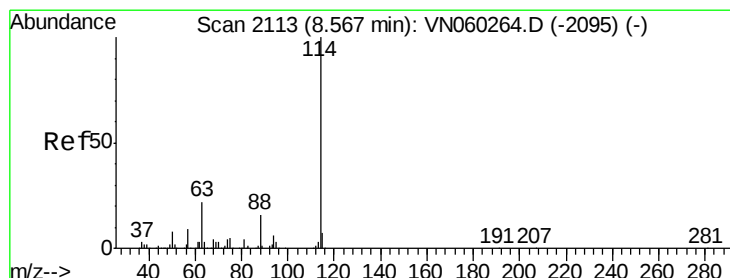
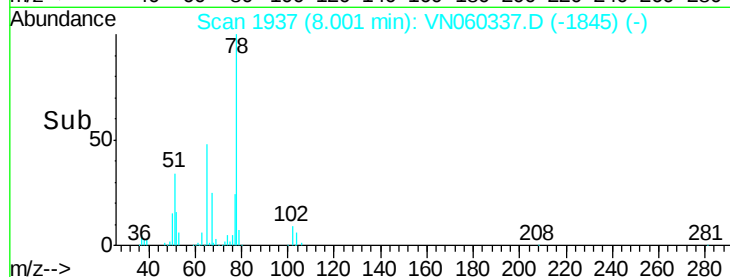
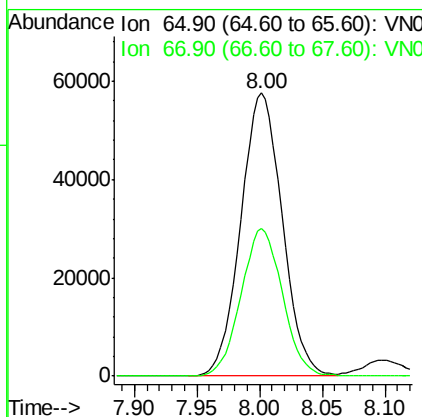
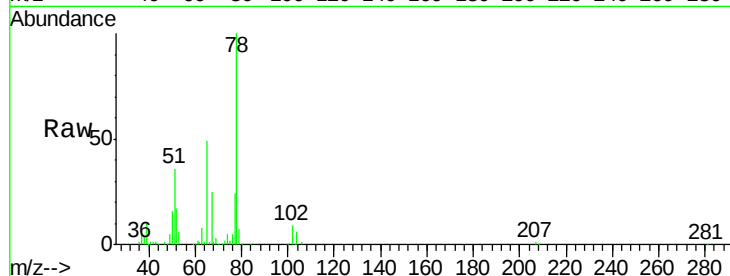
#33
 1,2-Dichloroethane-d4
 Concen: 47.394 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060337.D
 Acq: 4 Mar 2020 8:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.1	0.0	103.8	

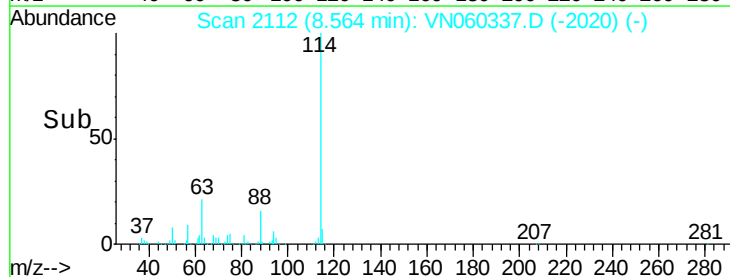
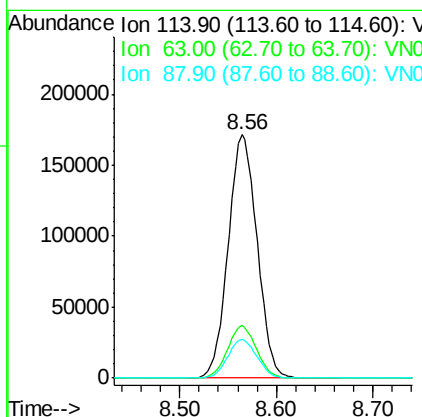
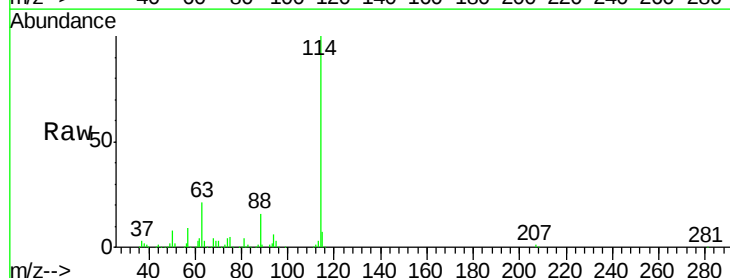
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060337.D
 Acq: 4 Mar 2020 8:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.5	0.0	43.2	
88	15.9	0.0	31.6	





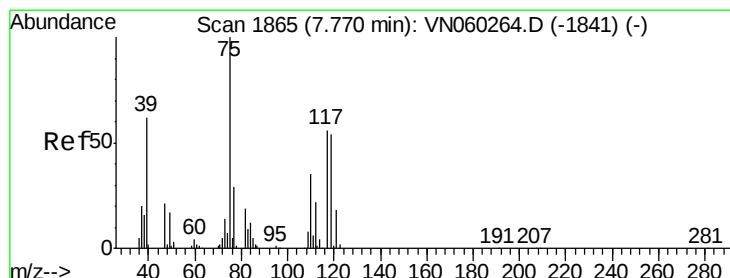
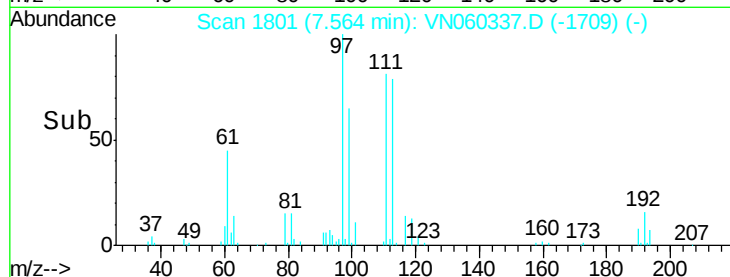
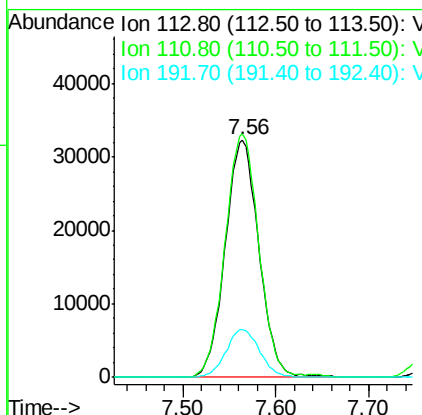
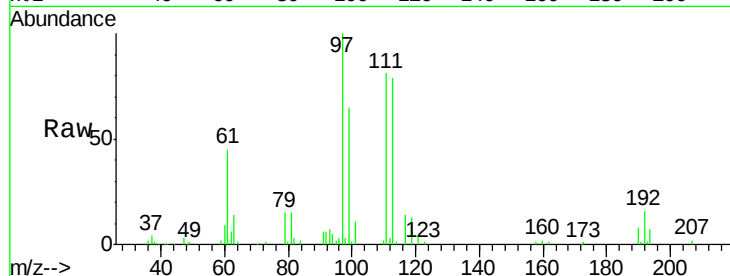
#35
Dibromofluoromethane
Concen: 49.386 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.4	123.6
192	20.1	16.2	24.2

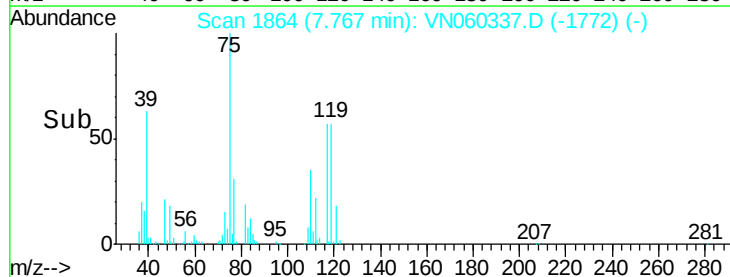
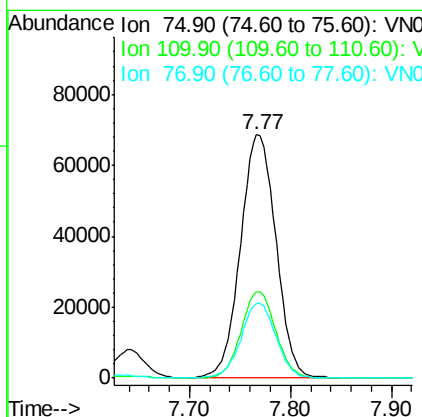
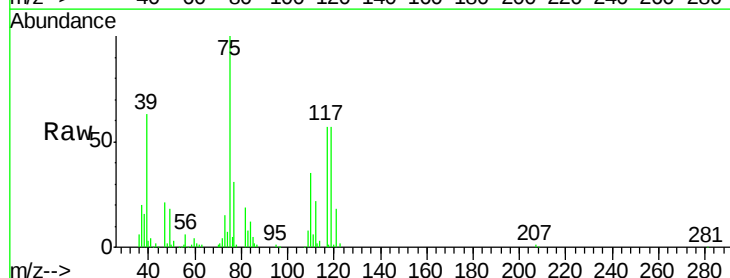
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#36
1,1-Dichloropropene
Concen: 49.162 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.3	52.0
77	30.6	24.2	36.2





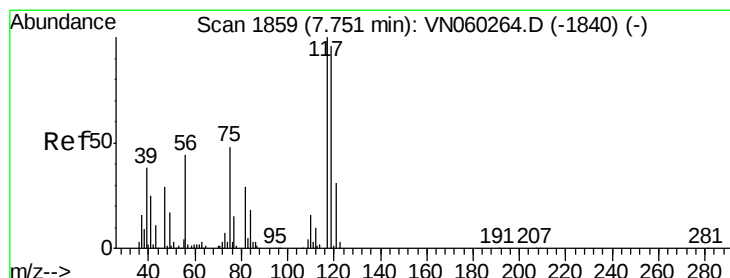
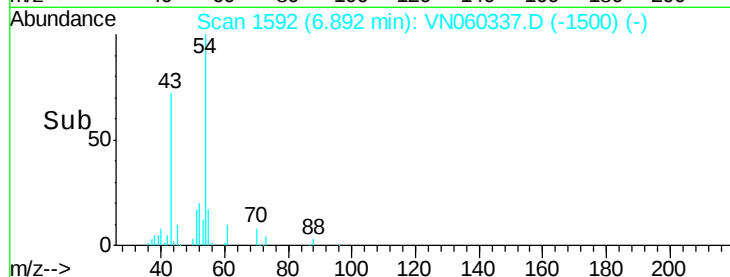
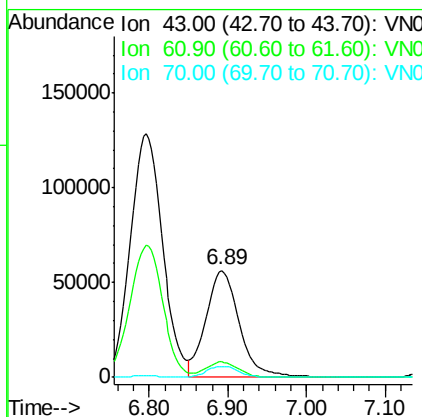
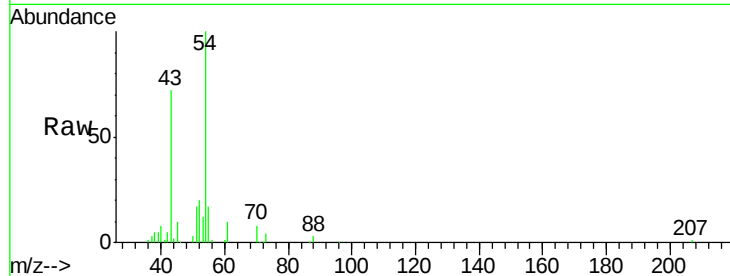
#37
Ethyl Acetate
Concen: 50.894 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.1	16.7
70	10.2	8.4	12.6

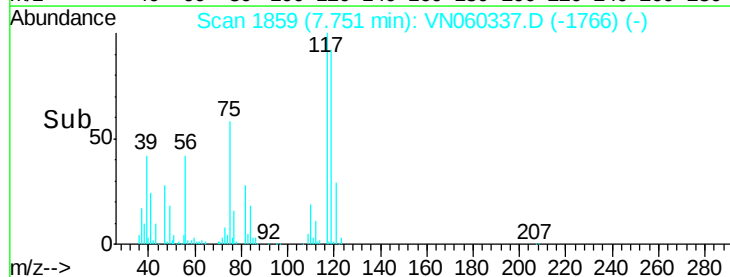
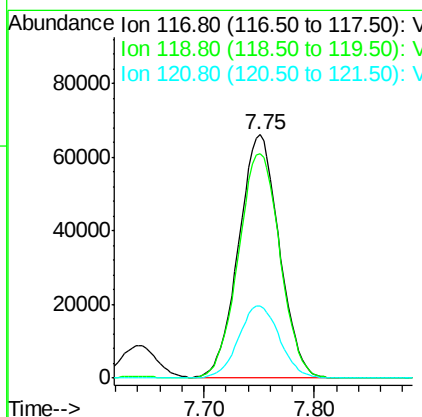
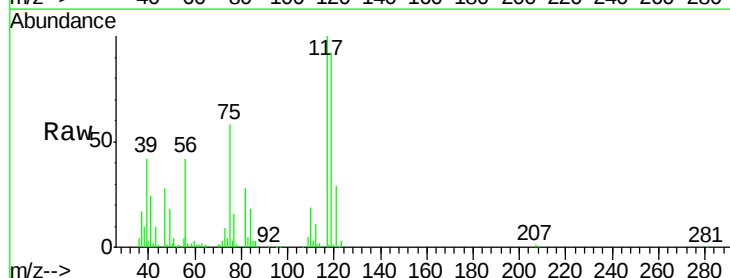
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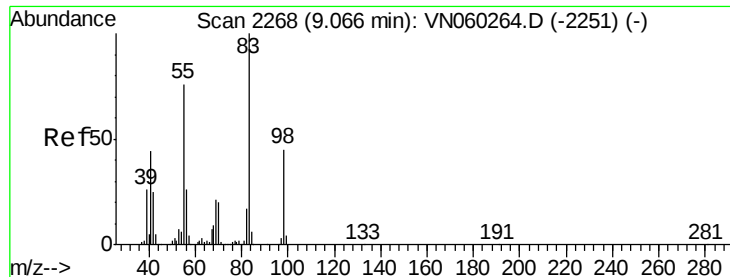
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#38
Carbon Tetrachloride
Concen: 51.057 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.4	76.7	115.1
121	29.5	24.5	36.7





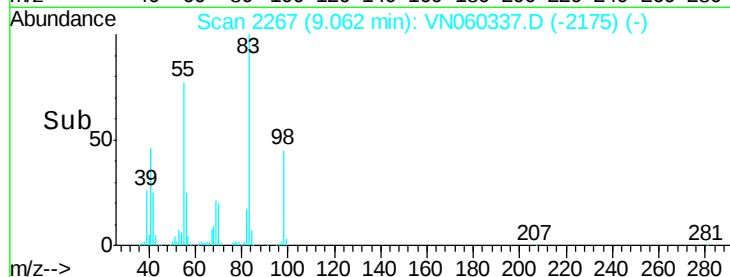
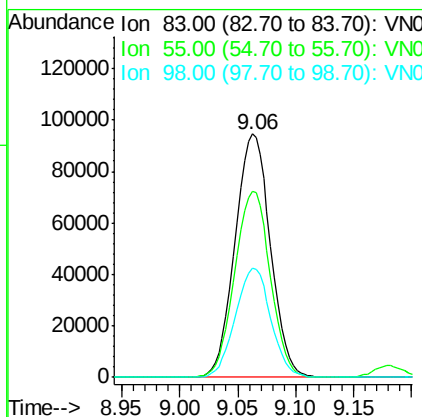
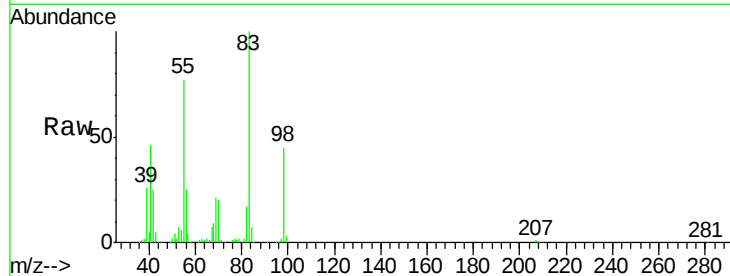
#39
Methvlcvclohexane
Concen: 50.144 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.6	61.0	91.4
98	44.7	36.1	54.1

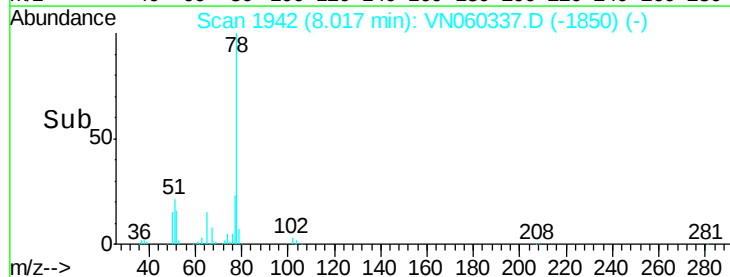
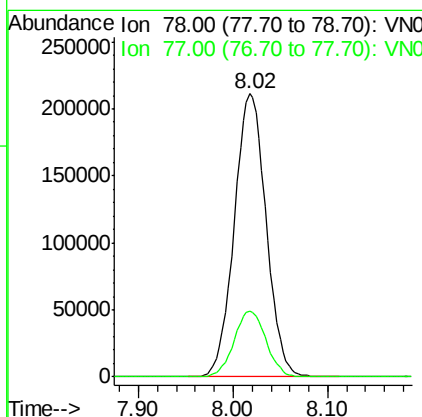
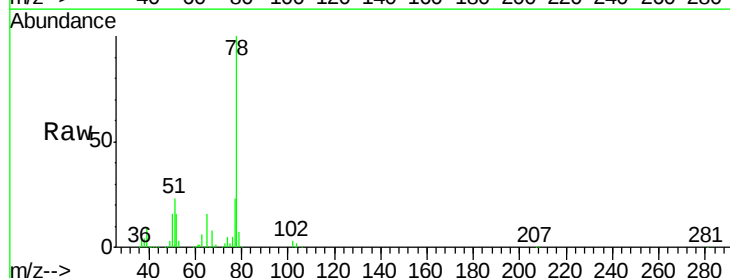
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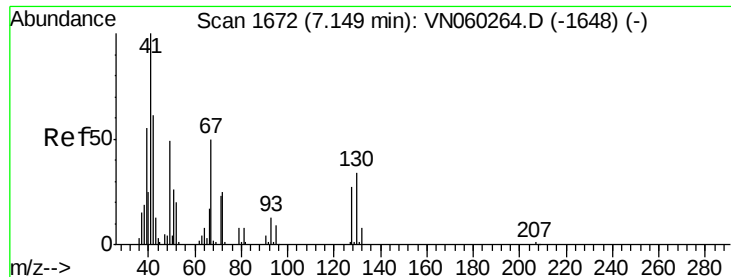
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#40
Benzene
Concen: 50.143 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2





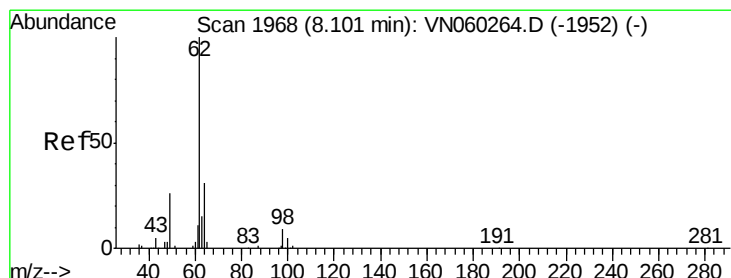
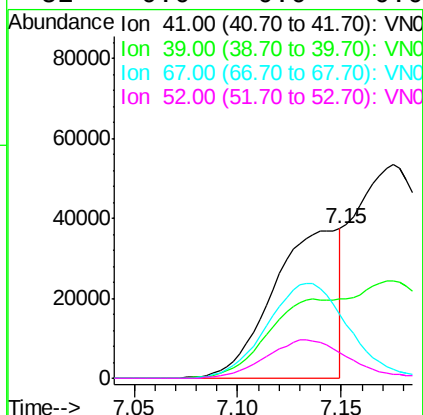
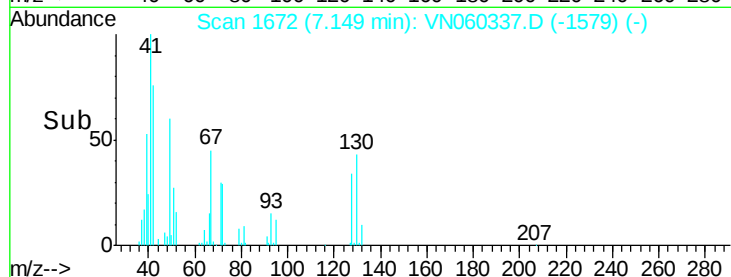
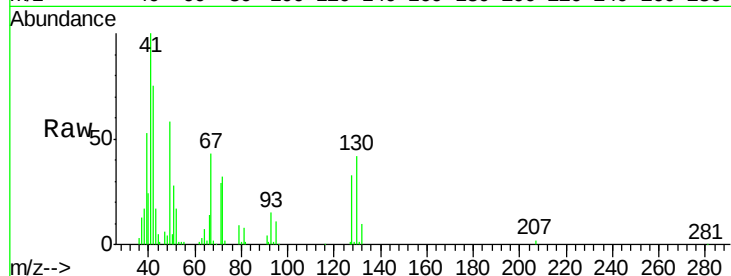
#41
Methacrylonitrile
Concen: 56.626 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		83820		
39	0.0	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

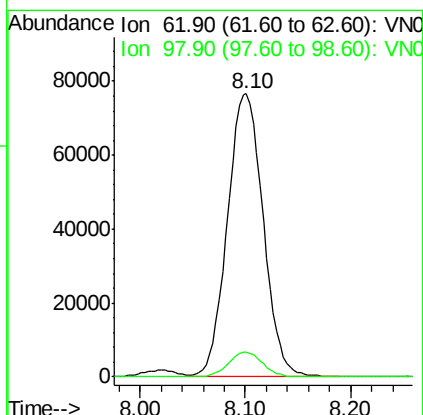
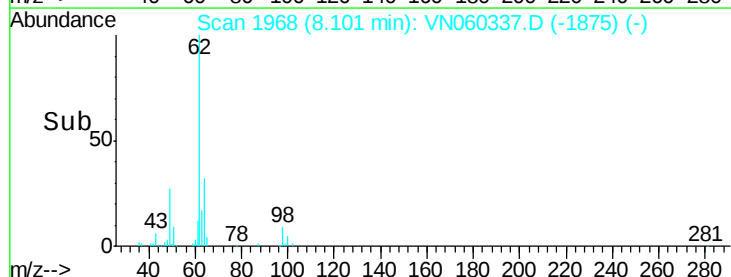
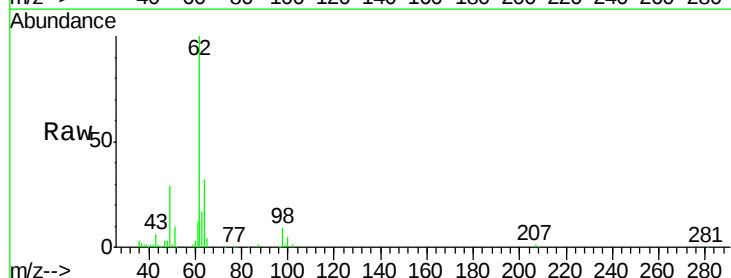
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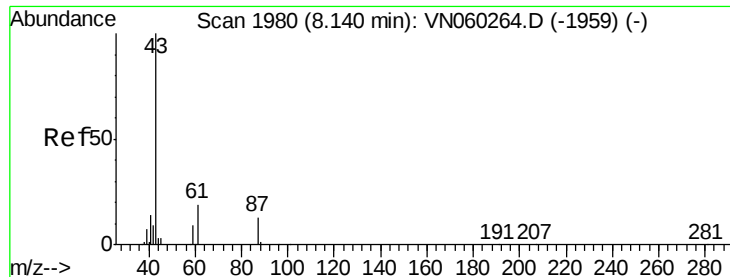
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#42
1,2-Dichloroethane
Concen: 50.734 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		180409		
98	8.3	0.0	17.0		





#43

Isopropyl Acetate

Concen: 51.225 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Instrument :

MSVOA_N

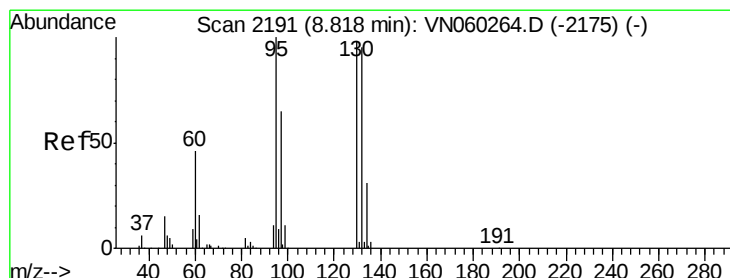
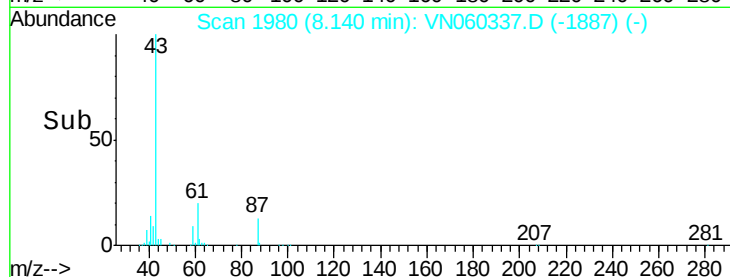
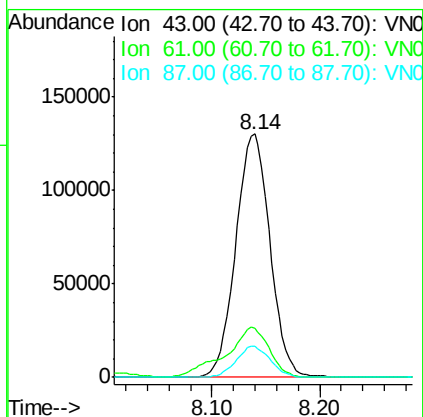
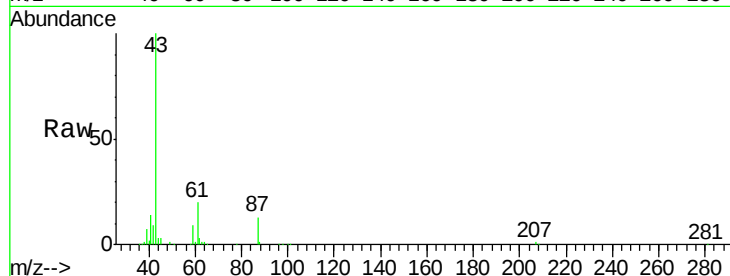
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	287494
Ion	Ratio	Lower	Upper
43	100		
61	26.4	20.9	31.3
87	12.7	10.6	16.0

Manual Integrations
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#44

Trichloroethene

Concen: 50.127 ug/l

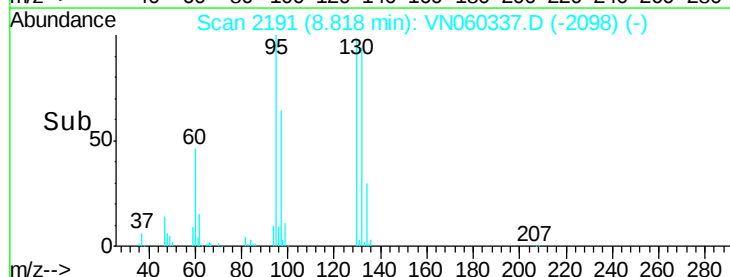
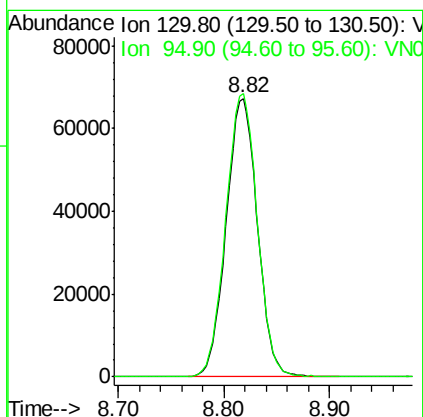
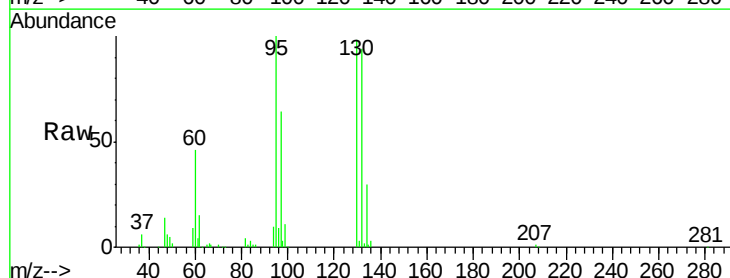
RT: 8.82 min Scan# 2191

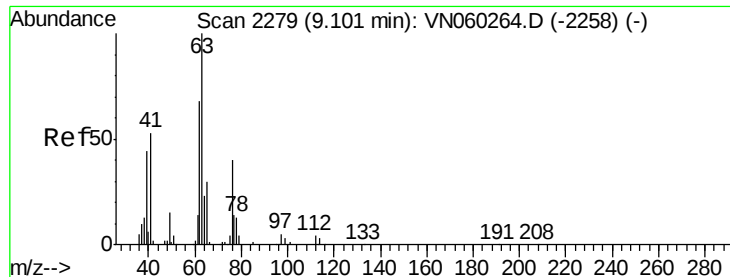
Delta R.T. 0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Tgt Ion:	130	Resp:	137574
Ion	Ratio	Lower	Upper
130	100		
95	101.6	0.0	203.4





#45

1,2-Dichloropropane

Concen: 52.151 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 134364

Ion Ratio Lower Upper

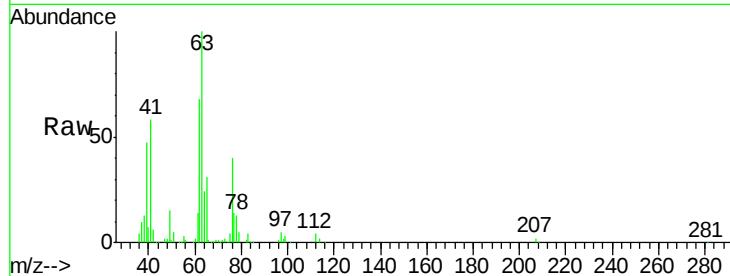
63 100

65 31.2 24.4 36.6

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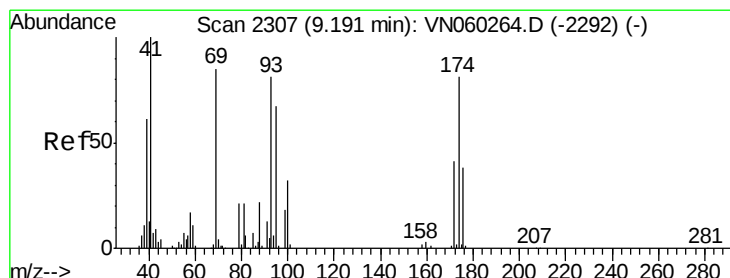
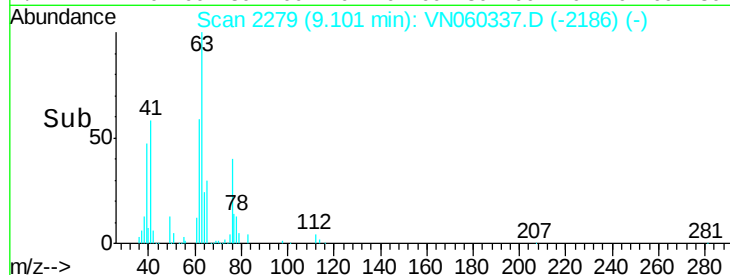
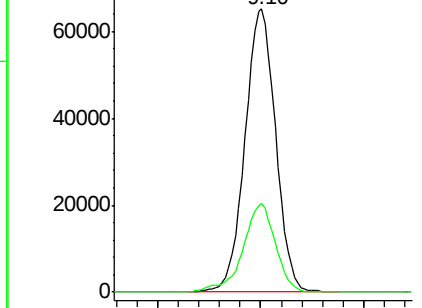
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VN060337.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN060337.D (-2186) (-)



#46

Dibromomethane

Concen: 50.376 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

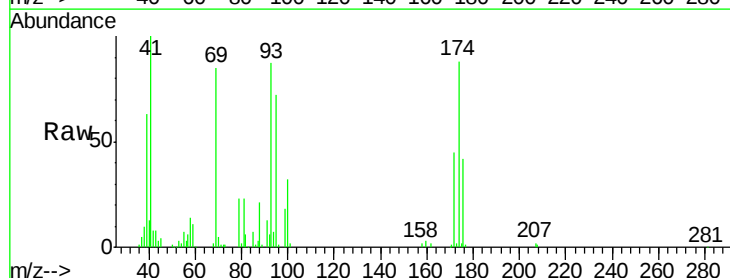
Tgt Ion: 93 Resp: 84217

Ion Ratio Lower Upper

93 100

95 83.4 65.9 98.9

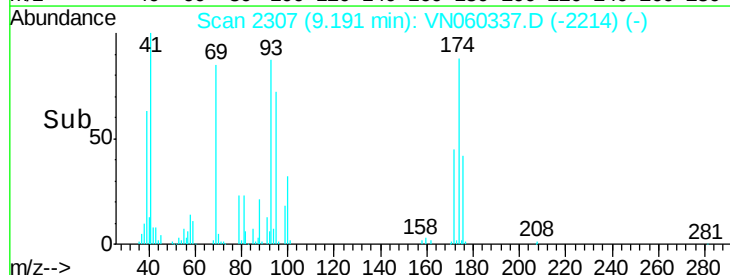
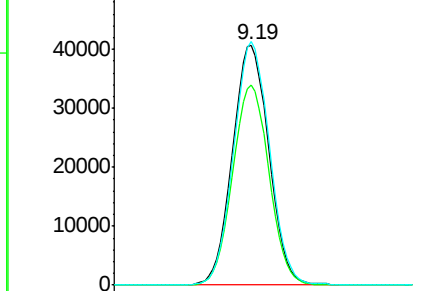
174 100.2 79.6 119.4

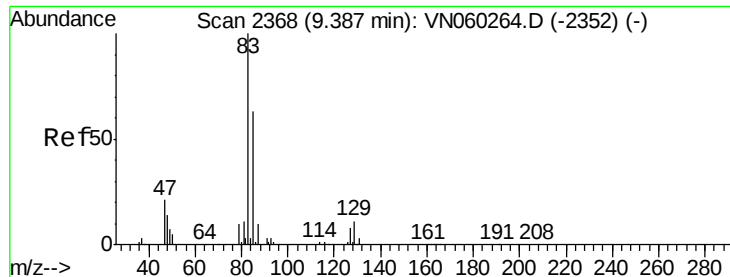


Abundance Ion 92.80 (92.50 to 93.50): VN060337.D (-2214) (-)

Ion 94.80 (94.50 to 95.50): VN060337.D (-2214) (-)

Ion 173.70 (173.40 to 174.40): VN060337.D (-2214) (-)





#47

Bromodichloromethane

Concen: 53.055 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Instrument :

MSVOA_N

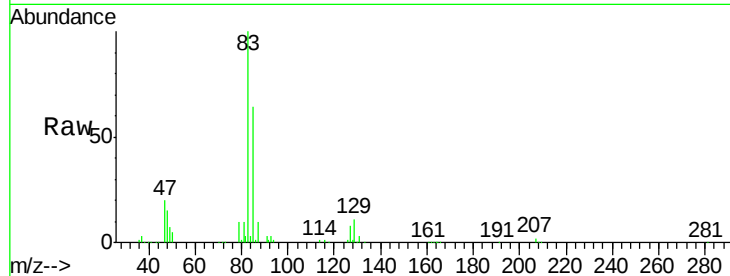
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	180392
Ion Ratio	Lower	Upper	
83	100		
85	63.7	50.7	76.1
127	8.2	6.8	10.2

Manual Integrations
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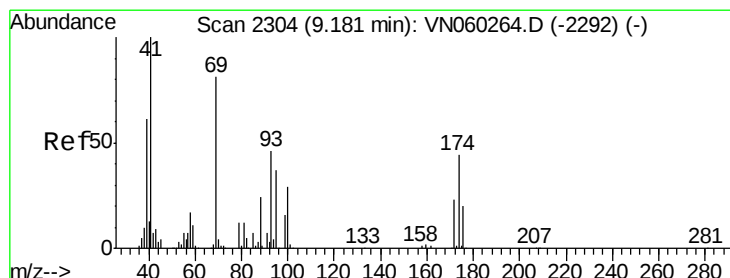
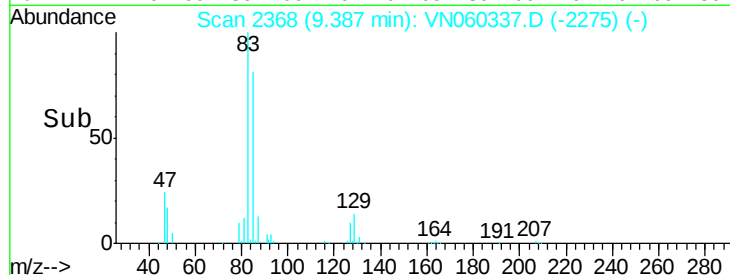
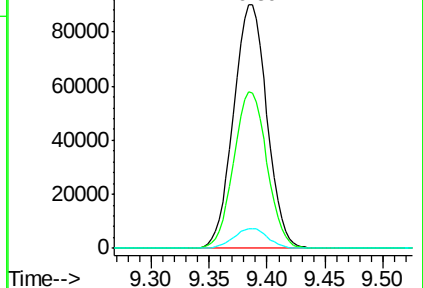
MMDadoda
3/5/2020 1:09:43 PM



Abundance Ion 82.90 (82.60 to 83.60): VN060337.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060337.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060337.D (-2275) (-)



#48

Methyl methacrylate

Concen: 49.937 ug/l

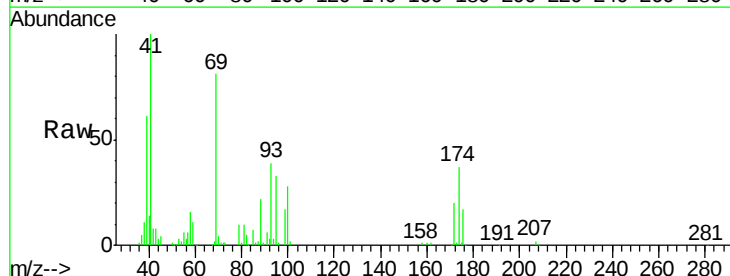
RT: 9.18 min Scan# 2303

Delta R.T. -0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

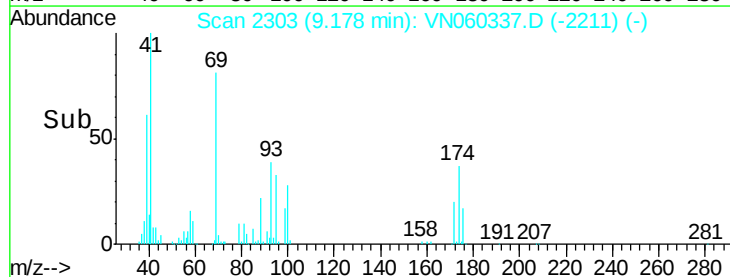
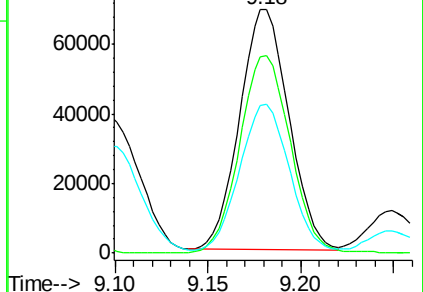
Tgt Ion:	41	Resp:	127804
Ion Ratio	Lower	Upper	
41	100		
69	84.5	66.7	100.1
39	60.8	50.1	75.1

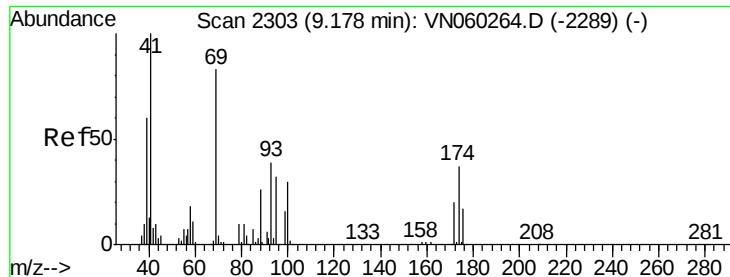


Abundance Ion 41.00 (40.70 to 41.70): VN060337.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060337.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060337.D (-2211) (-)





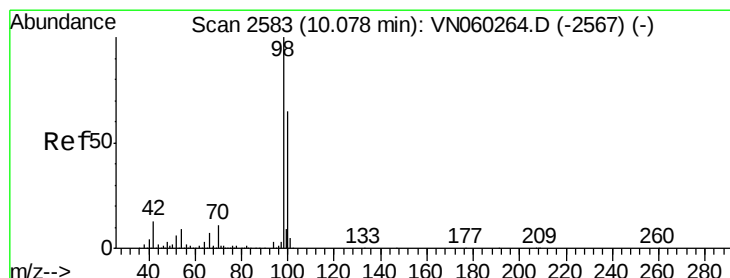
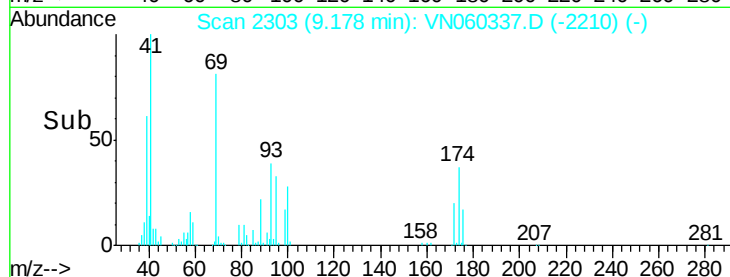
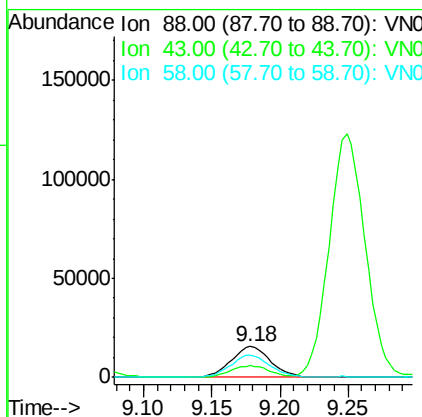
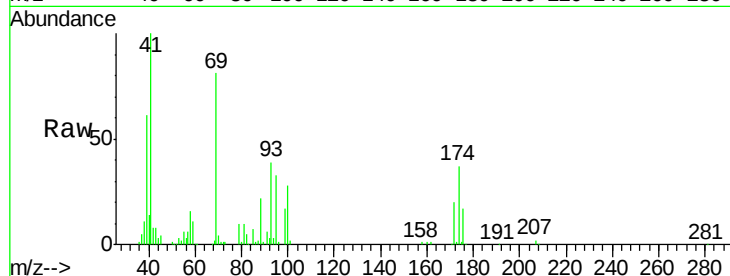
#49
1,4-Dioxane
Concen: 869.363 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.4	30.4	45.6
58	72.3	57.0	85.6

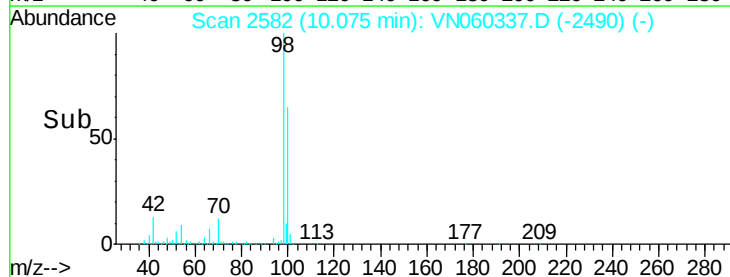
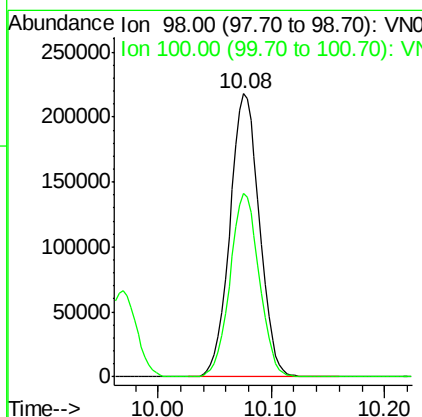
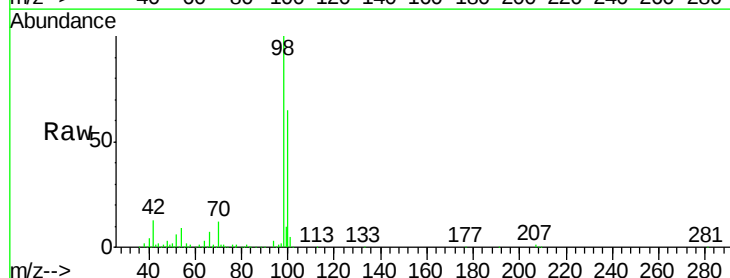
Manual Integrations
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#50
Toluene-d8
Concen: 47.348 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.2	78.2





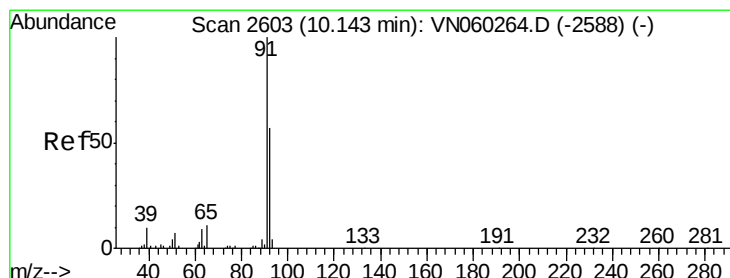
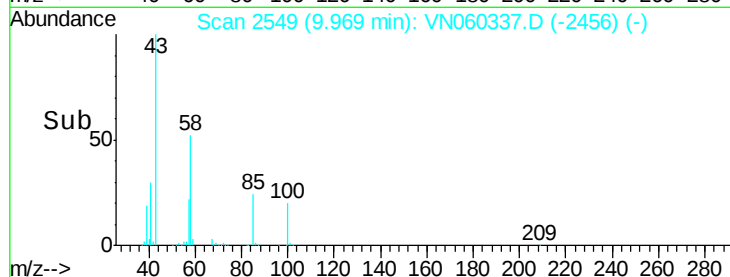
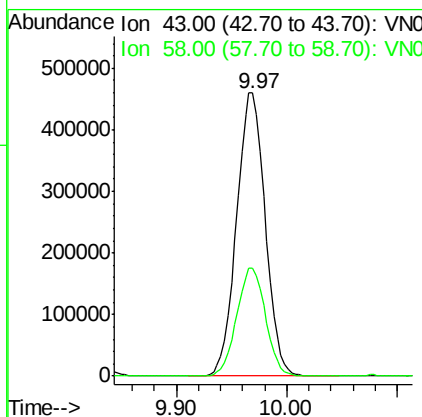
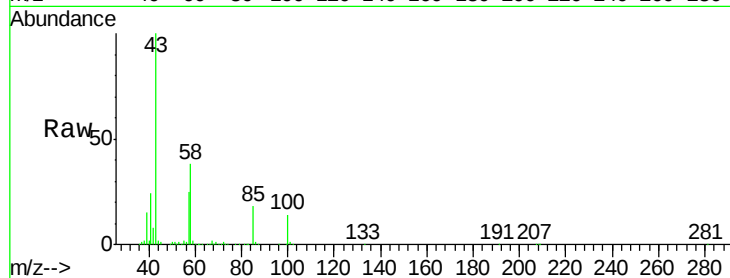
#51
4-Methyl-2-Pentanone
Concen: 259.957 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	43	58	Ratio	Lower	Upper
827210	100	38.3		30.9	46.3

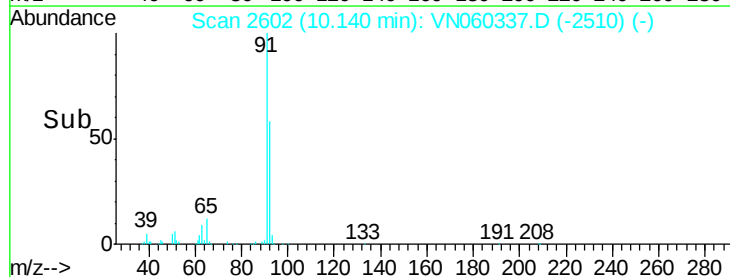
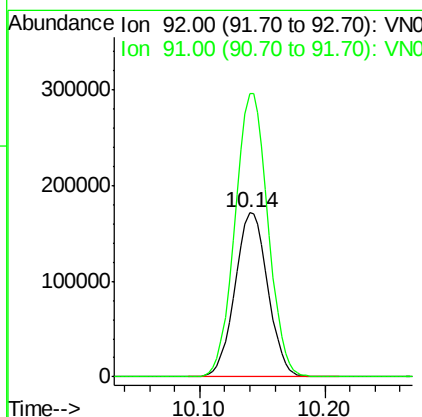
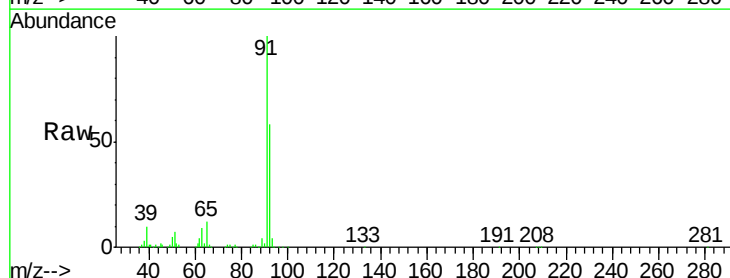
Manual Integrations
APPROVED

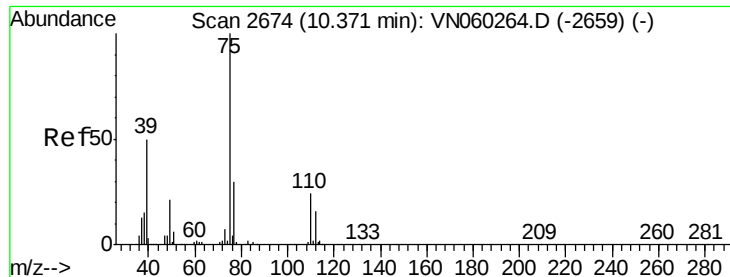
MMDadoda
3/5/2020 1:09:43 PM



#52
Toluene
Concen: 50.458 ug/l
RT: 10.14 min Scan# 2602
Delta R.T. -0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Tgt Ion	92	91	Ratio	Lower	Upper
312342	100	173.3		138.1	207.1





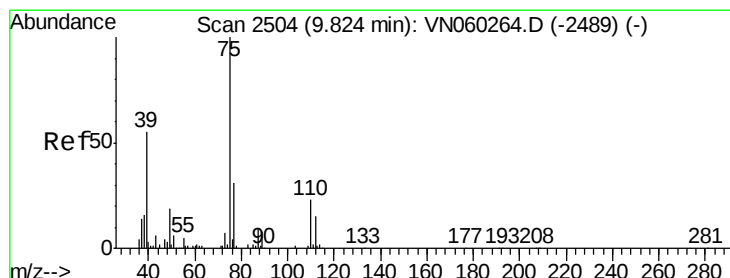
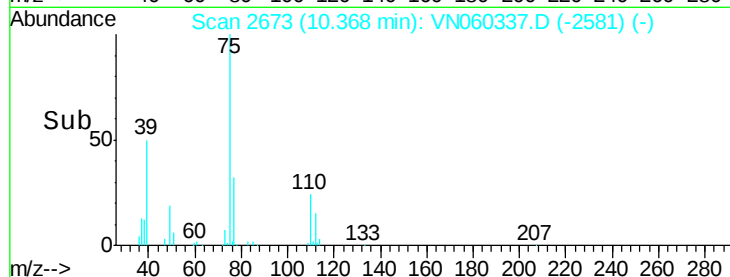
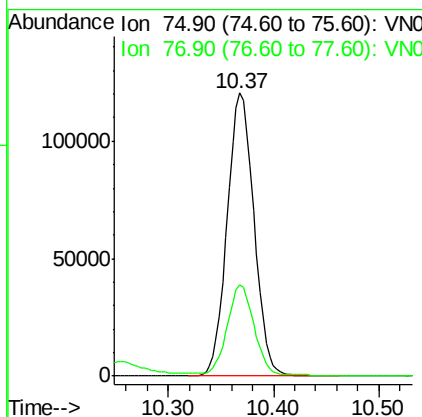
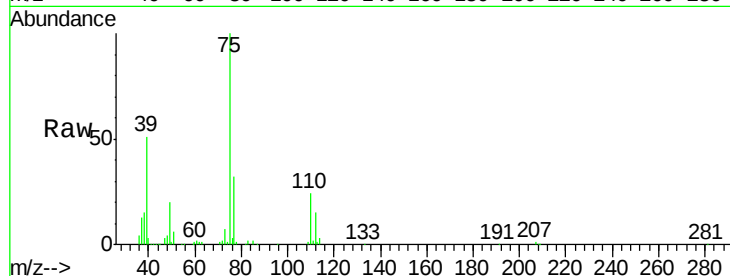
#53
t-1,3-Dichloropropene
Concen: 50.957 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.8	37.2

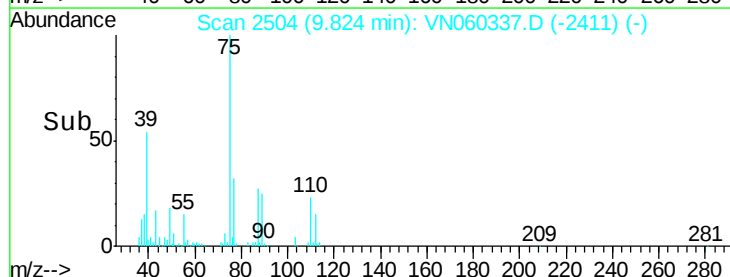
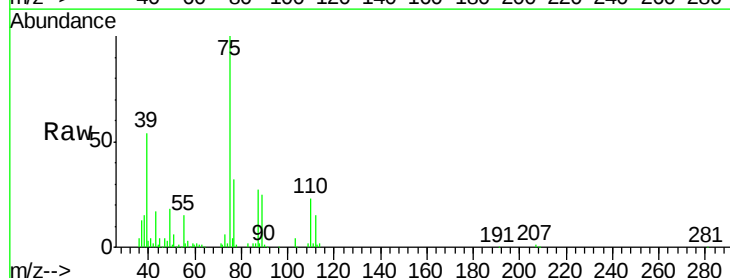
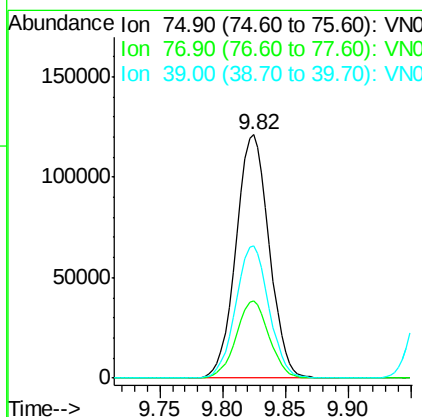
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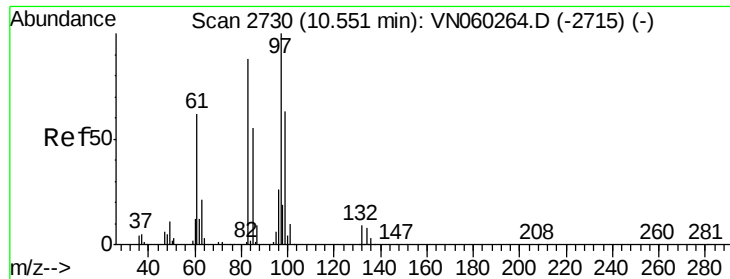
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#54
cis-1,3-Dichloropropene
Concen: 51.546 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.8	37.2
39	54.3	43.8	65.8





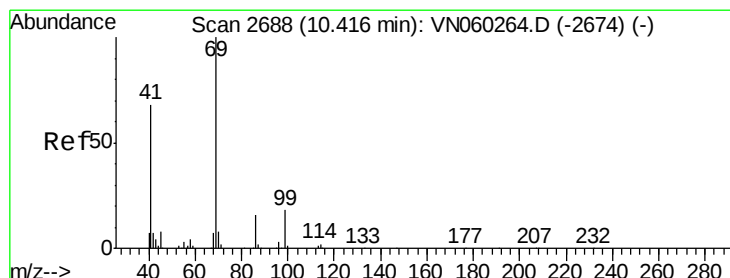
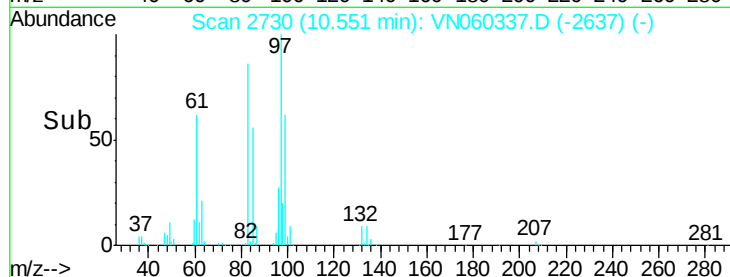
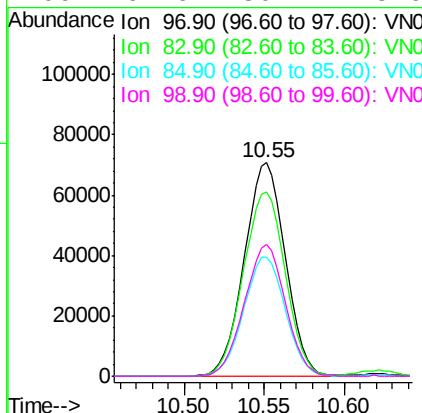
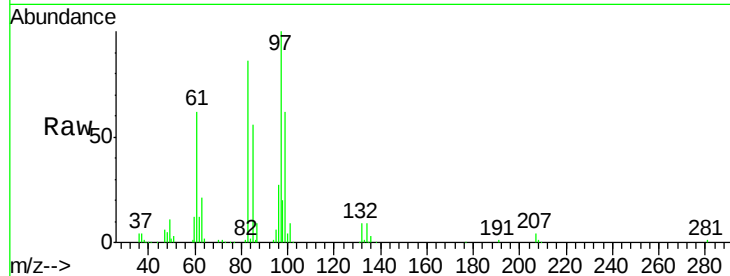
#55
 1,1,2-Trichloroethane
 Concen: 50.047 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060337.D
 Acq: 4 Mar 2020 8:44

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.4	70.0	105.0
85	56.0	44.0	66.0
99	61.6	50.4	75.6

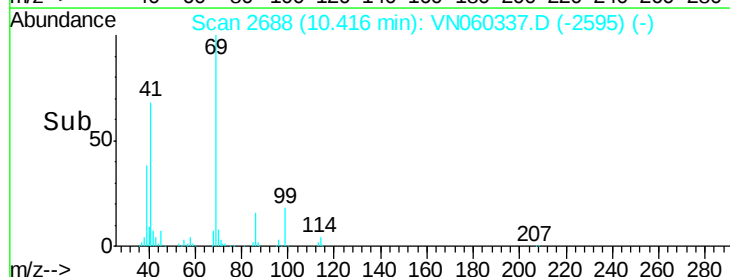
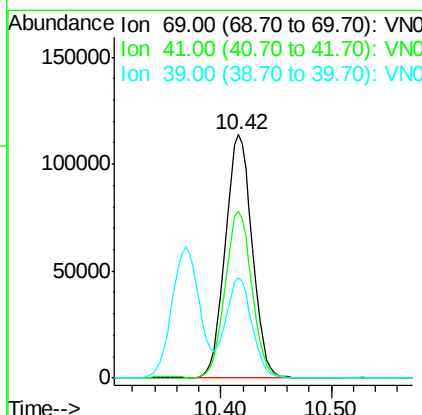
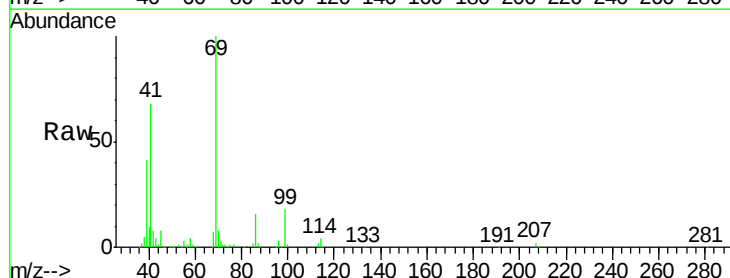
Manual Integrations
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 3/5/2020 1:09:43 PM



#56
 Ethyl methacrylate
 Concen: 53.804 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060337.D
 Acq: 4 Mar 2020 8:44

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.5	54.1	81.1
39	40.5	32.5	48.7





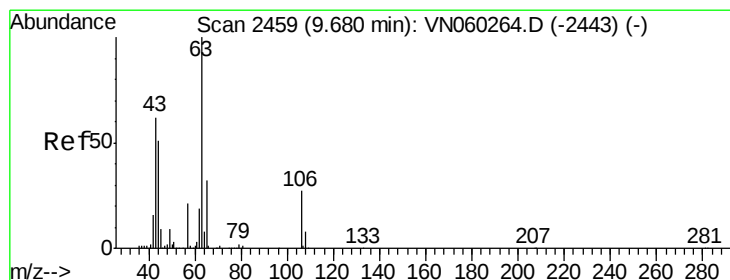
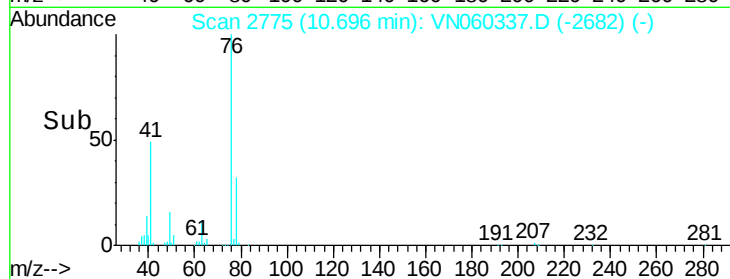
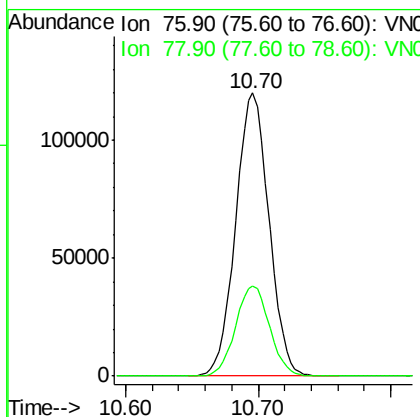
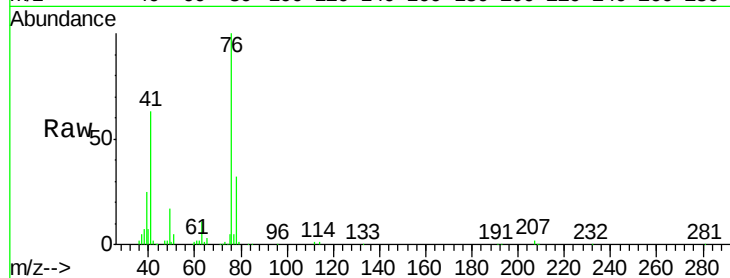
#57
 1,3-Dichloropropane
 Concen: 51.409 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060337.D
 Acq: 4 Mar 2020 8:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.2	39.2

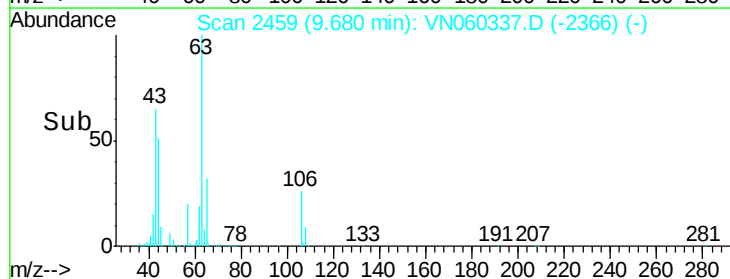
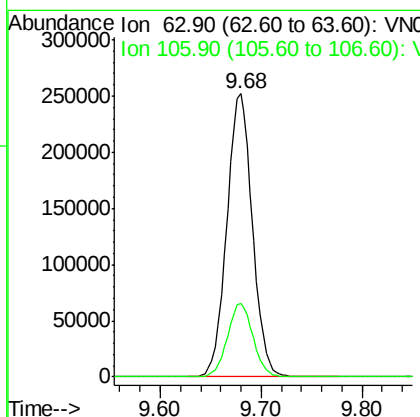
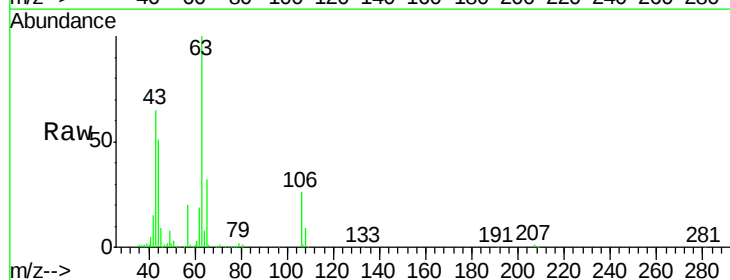
Manual Integrations
 APPROVED

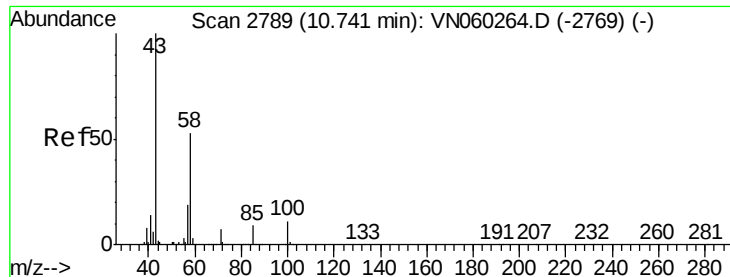
MMDadoda
 3/5/2020 1:09:43 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 237.910 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN060337.D
 Acq: 4 Mar 2020 8:44

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.1	21.1	31.7





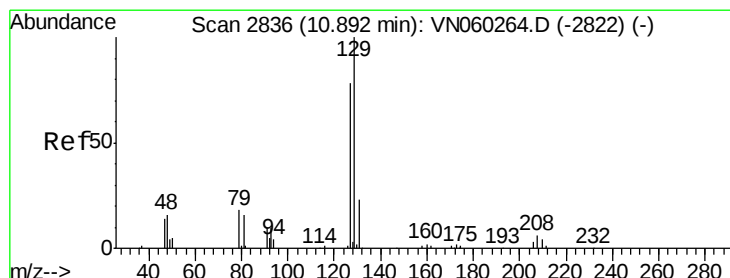
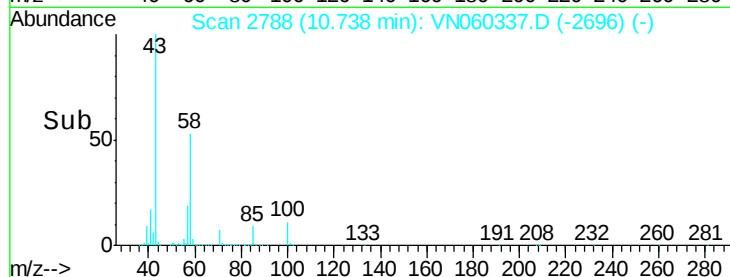
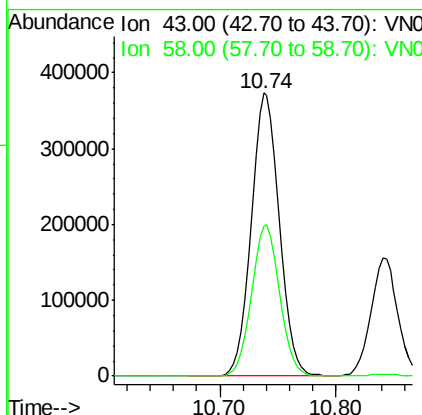
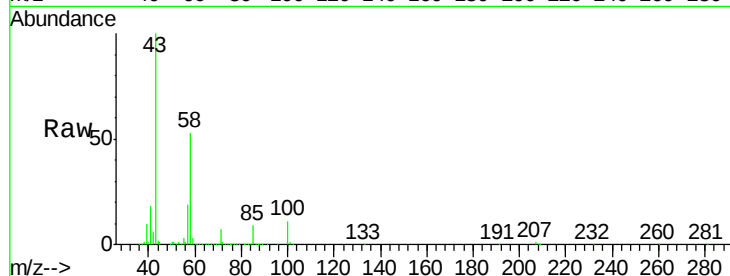
#59
2-Hexanone
Concen: 270.158 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 631191
Ion Ratio Lower Upper
43 100
58 53.5 26.5 79.5

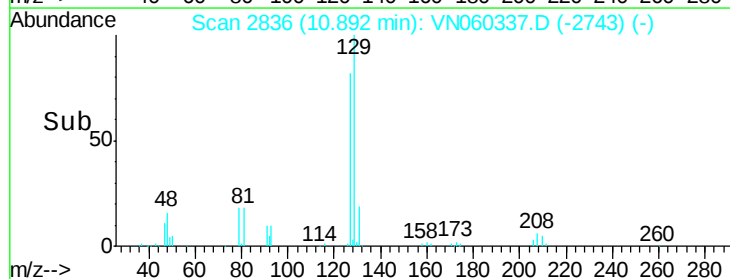
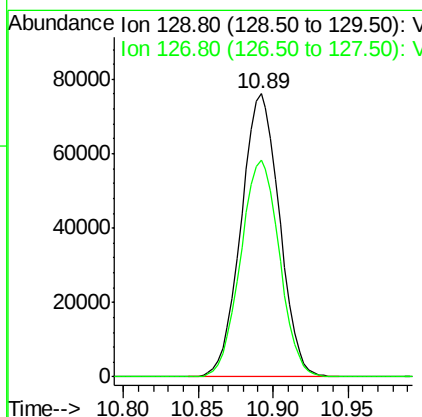
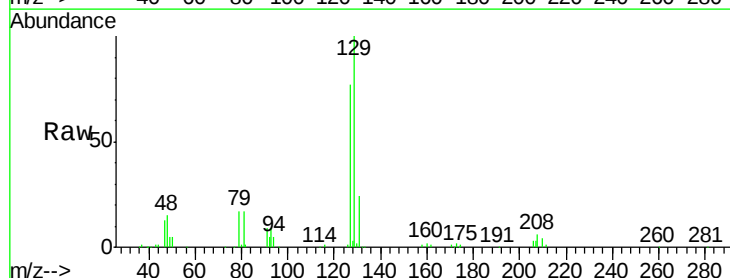
Manual Integrations
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#60
Dibromochloromethane
Concen: 53.650 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Tgt Ion:129 Resp: 135816
Ion Ratio Lower Upper
129 100
127 77.6 38.9 116.7





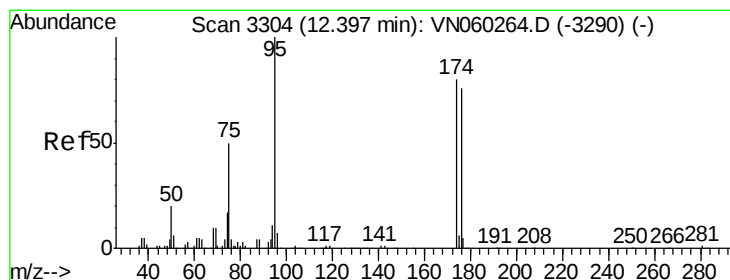
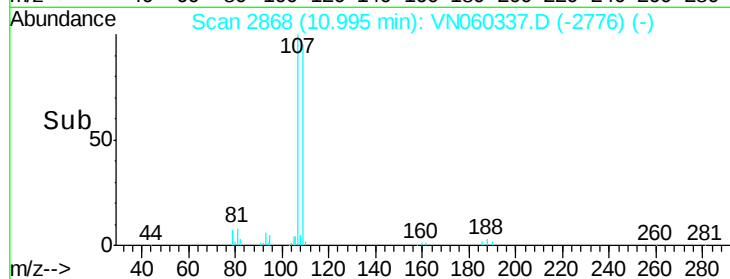
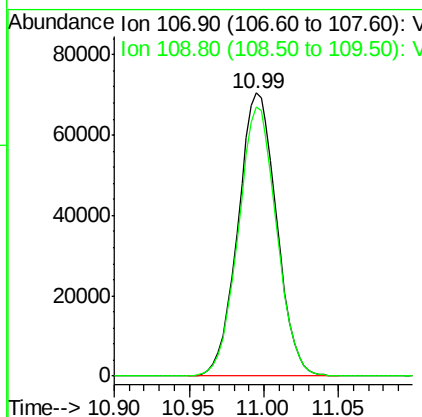
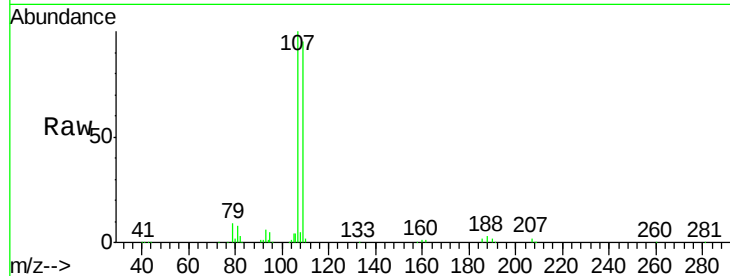
#61
 1,2-Dibromoethane
 Concen: 51.962 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060337.D
 Acq: 4 Mar 2020 8:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	76.8	115.2

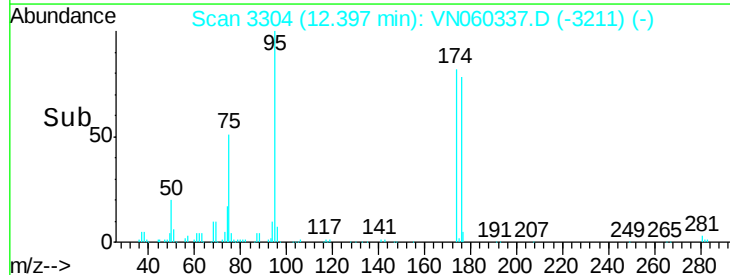
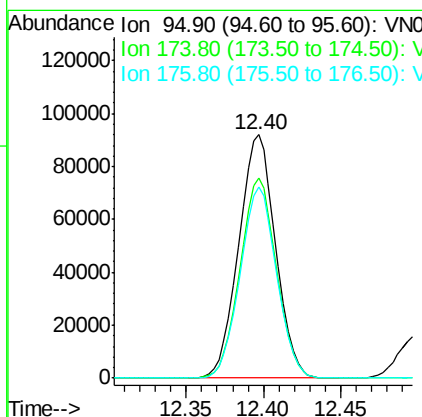
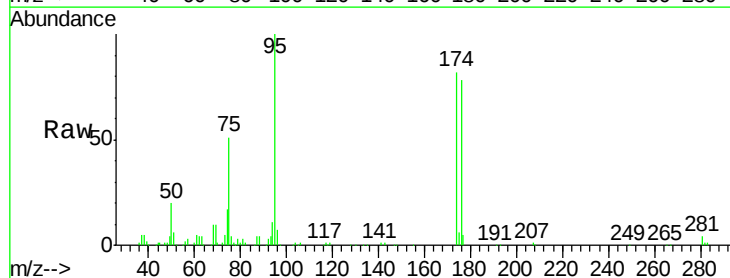
Manual Integrations
 APPROVED

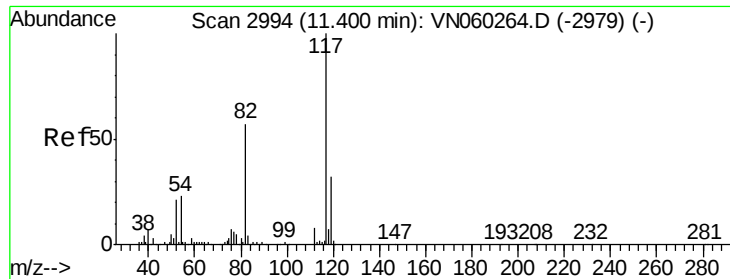
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 48.042 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060337.D
 Acq: 4 Mar 2020 8:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.4	0.0	159.2
176	77.9	0.0	153.8





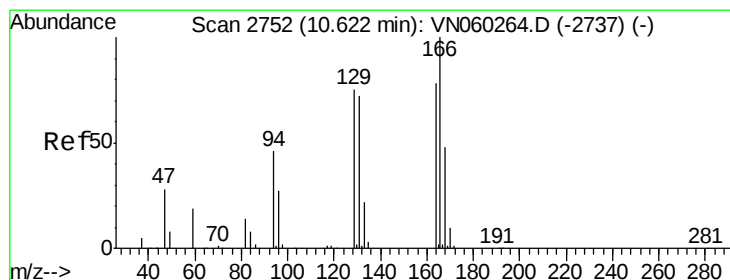
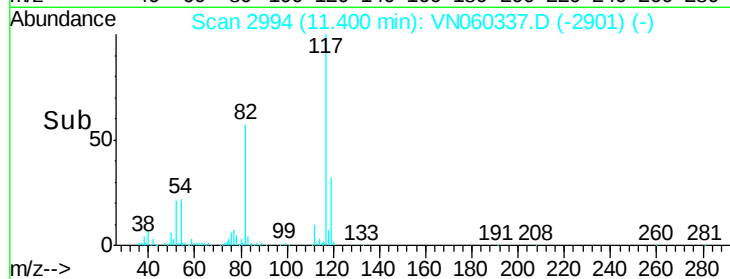
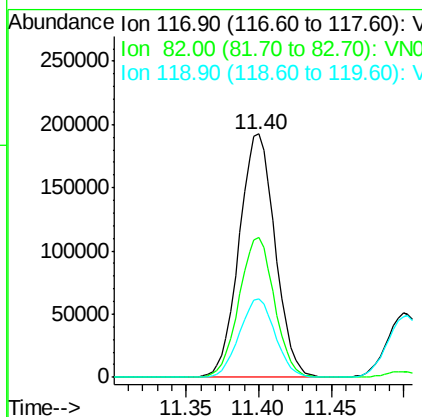
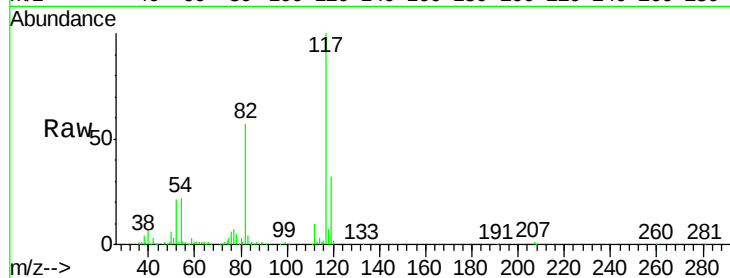
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.2	45.8	68.6
119	32.3	25.8	38.8

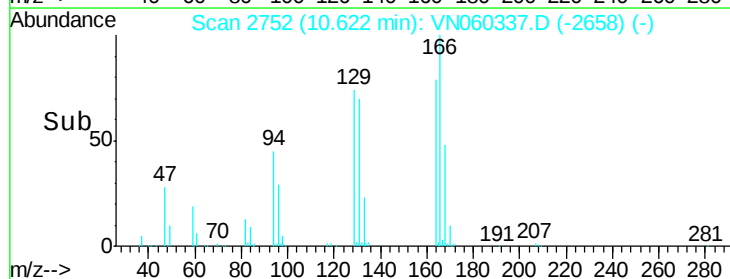
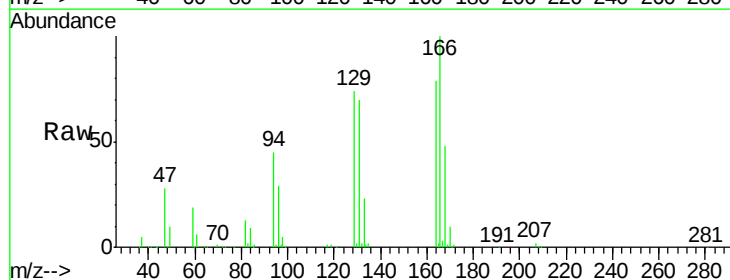
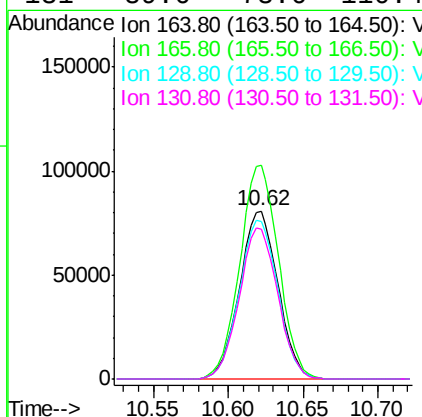
Manual Integrations
APPROVED

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#64
Tetrachloroethene
Concen: 55.423 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	102.0	153.0
129	94.2	76.4	114.6
131	89.6	73.6	110.4





#65

Chlorobenzene

Concen: 49.763 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 333406

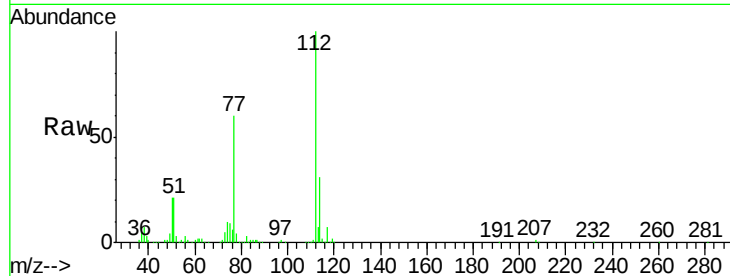
Ion Ratio Lower Upper

112 100

114 31.4 25.4 38.0

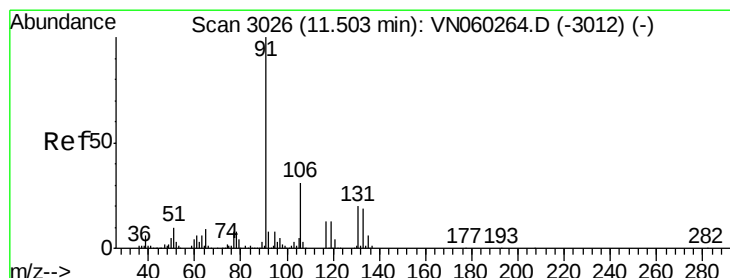
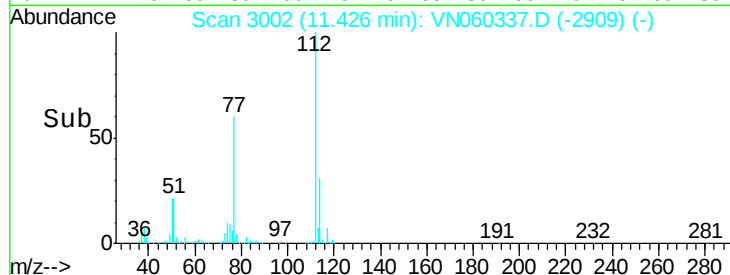
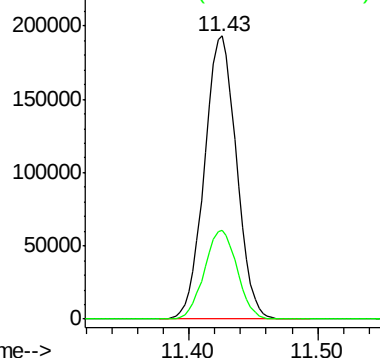
Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.894 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

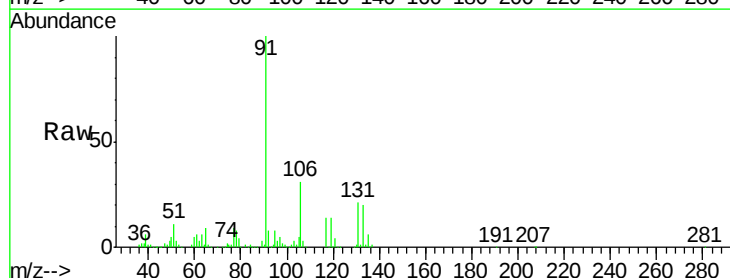
Tgt Ion:131 Resp: 128556

Ion Ratio Lower Upper

131 100

133 95.4 47.7 143.1

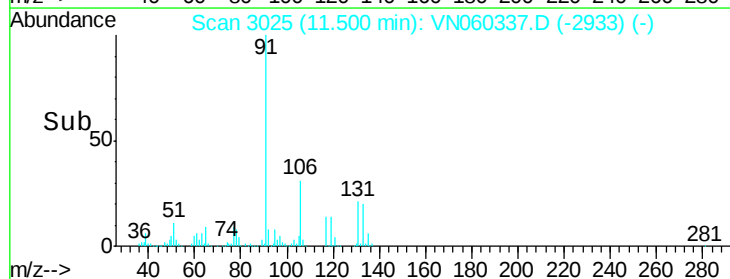
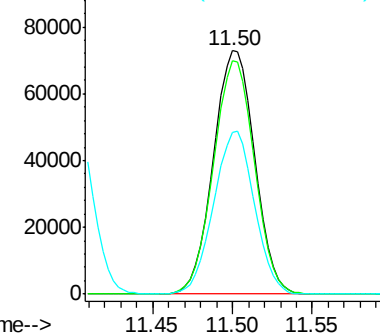
119 65.9 33.2 99.6

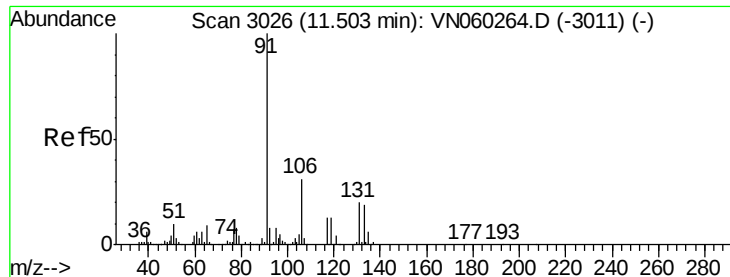


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 51.073 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 623149

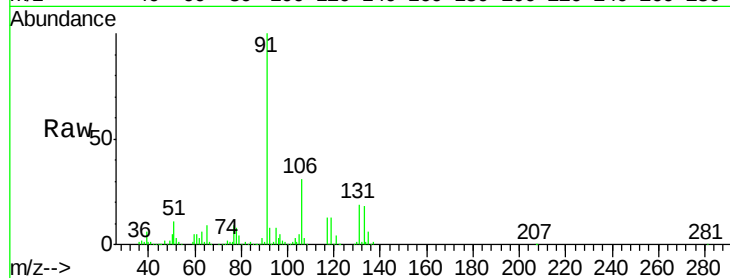
Ion Ratio Lower Upper

91 100

106 31.1 24.7 37.1

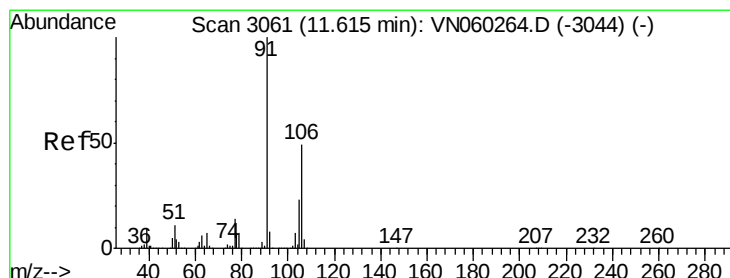
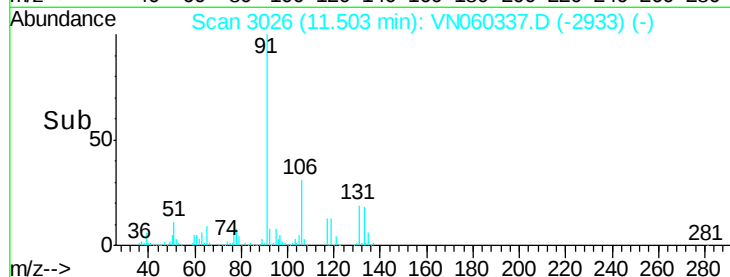
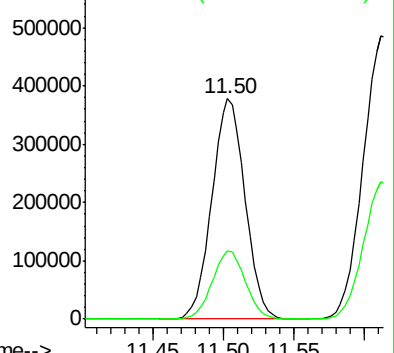
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN060264.D (-3011) (-)

Ion 106.00 (105.70 to 106.70): VN060264.D (-3011) (-)



#68

m/p-Xylenes

Concen: 100.430 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060337.D

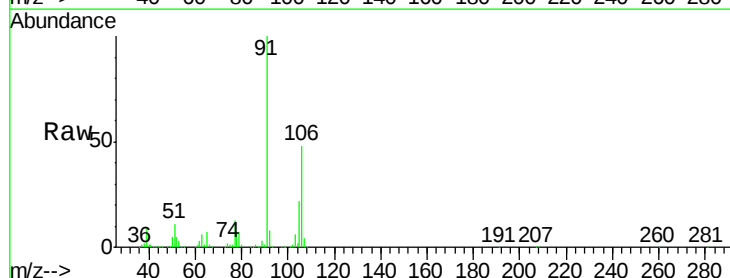
Acq: 4 Mar 2020 8:44

Tgt Ion: 106 Resp: 462316

Ion Ratio Lower Upper

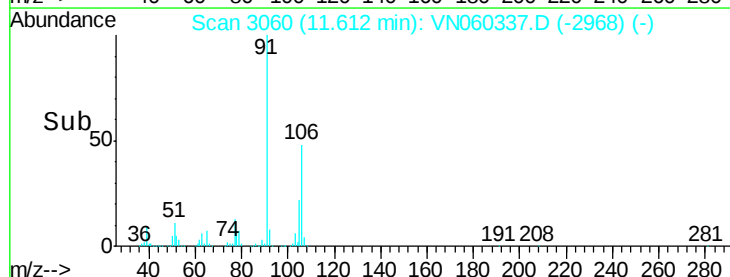
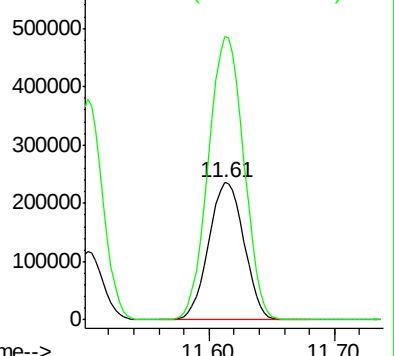
106 100

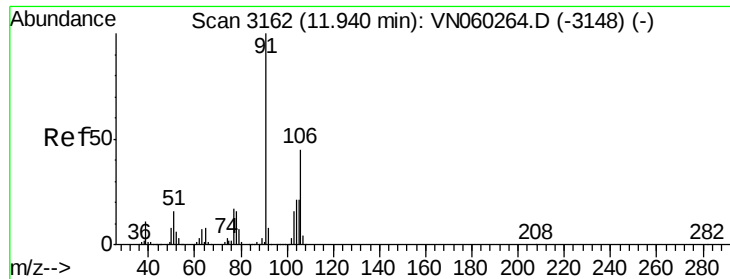
91 207.2 164.5 246.7



Abundance Ion 106.00 (105.70 to 106.70): VN060264.D (-3044) (-)

Ion 91.00 (90.70 to 91.70): VN060264.D (-3044) (-)





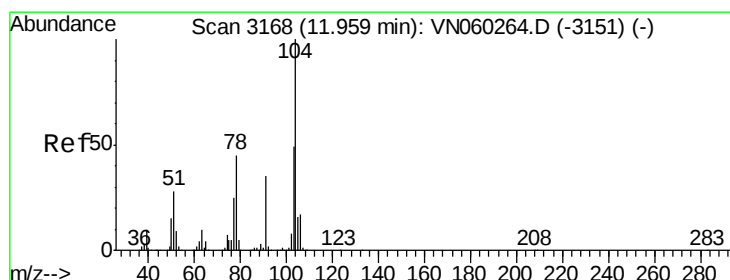
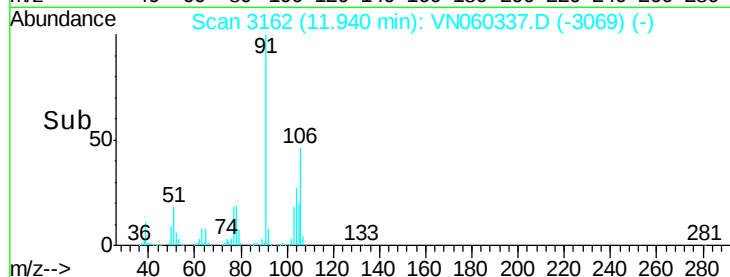
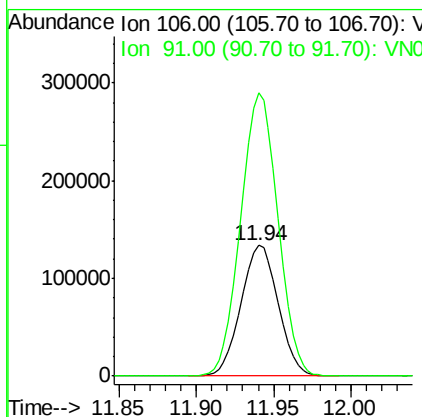
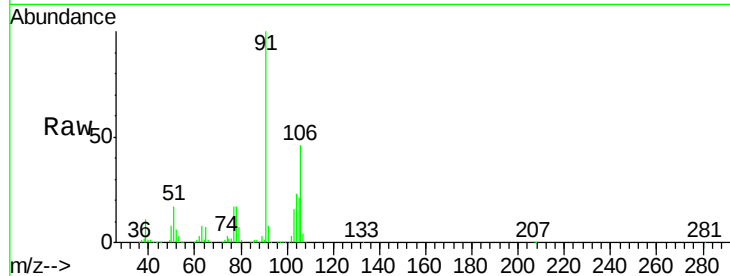
#69
o-Xylene
Concen: 51.042 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	217.0	109.5	328.4

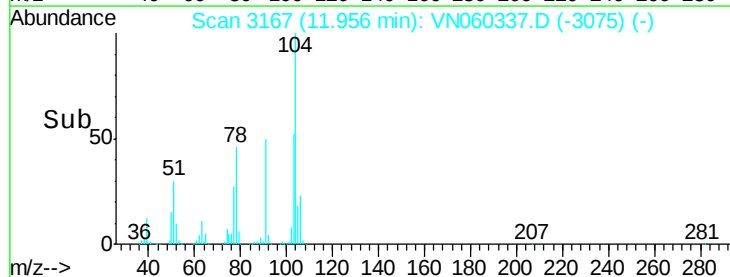
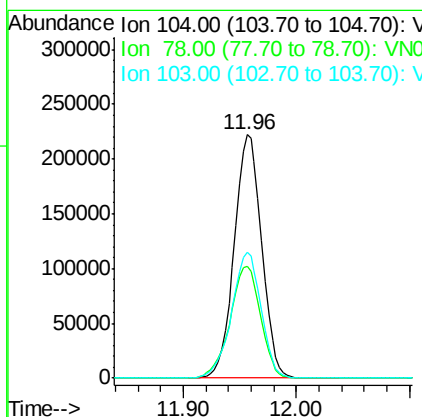
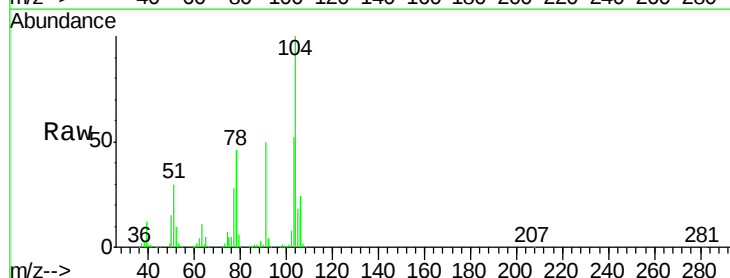
Manual Integrations
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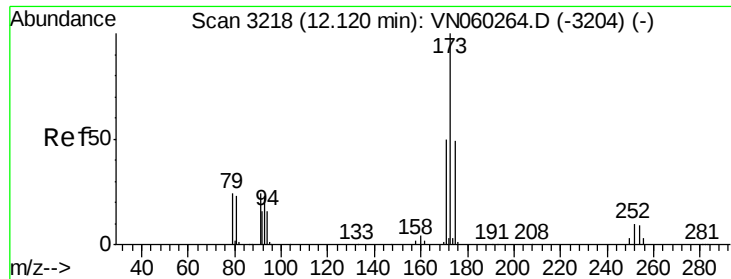
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#70
Styrene
Concen: 51.962 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.1	41.2	61.8
103	55.4	43.9	65.9





#71

Bromoform

Concen: 54.634 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Instrument :

MSVOA_N

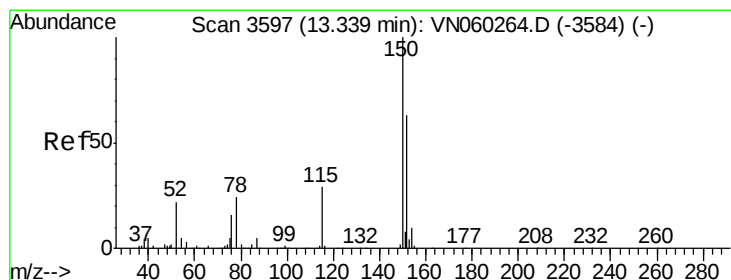
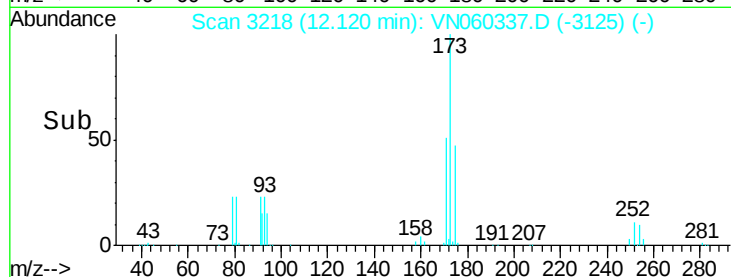
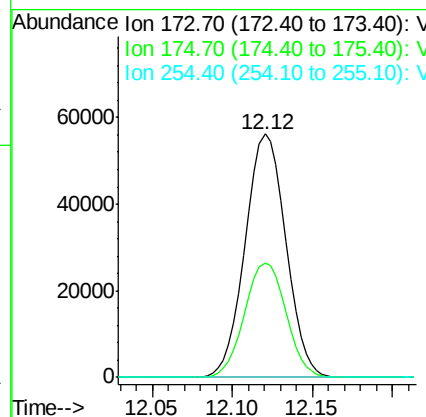
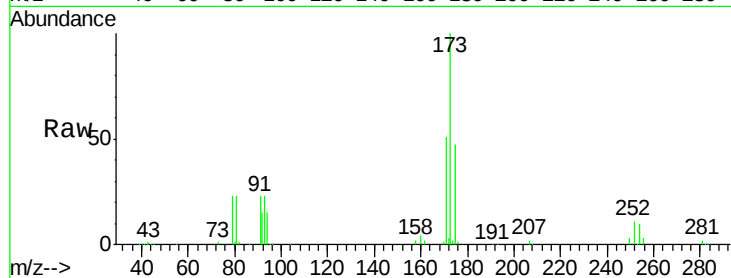
ClientSampleId :

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

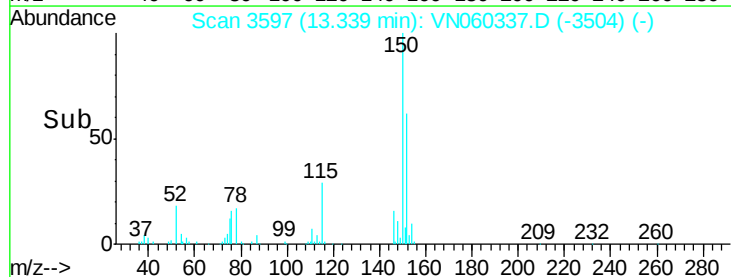
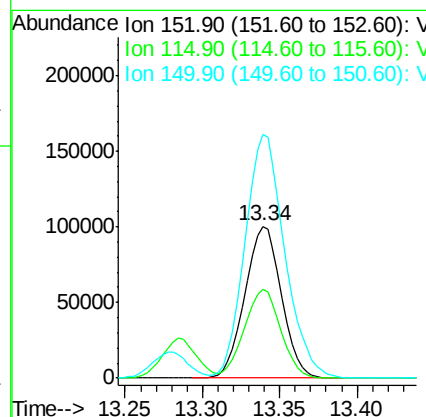
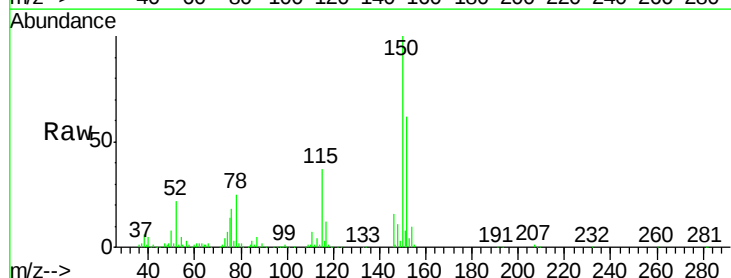
RT: 13.34 min Scan# 3597

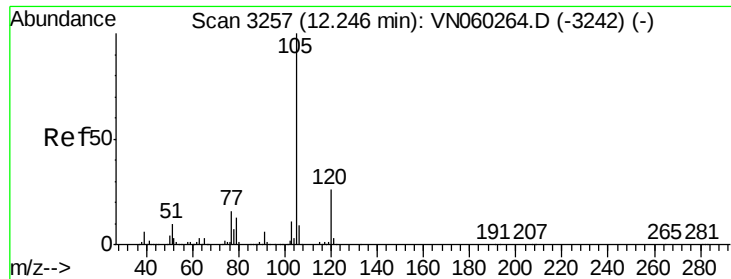
Delta R.T. -0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	30.0	90.0
150	175.5	0.0	349.6





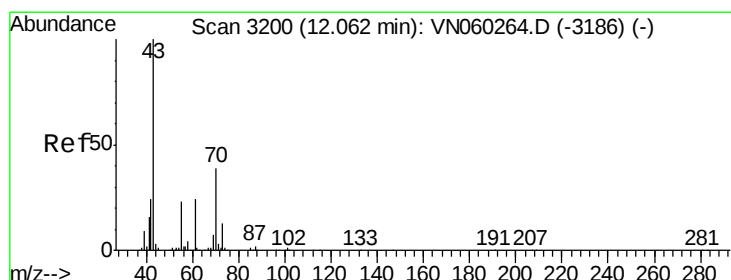
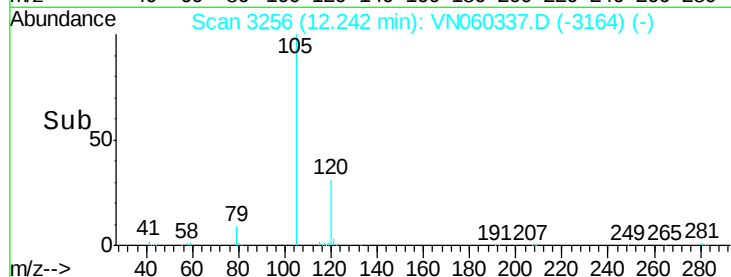
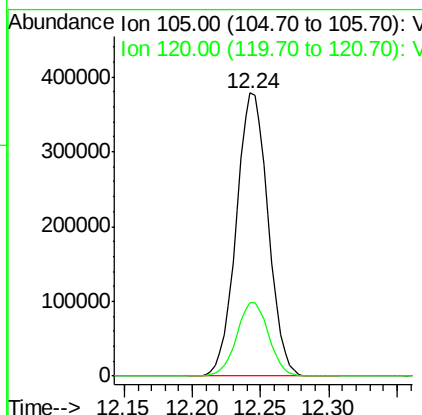
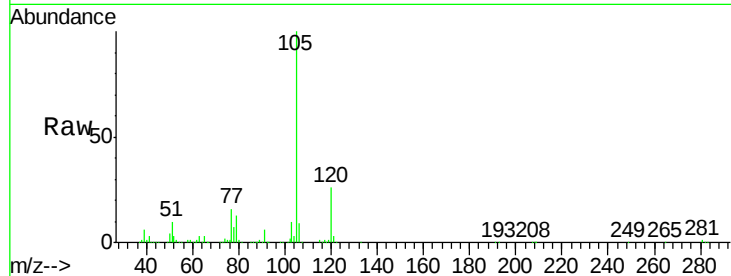
#73
Isopropylbenzene
Concen: 50.226 ug/l
RT: 12.24 min Scan# 3256
Delta R.T. -0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.0	38.9

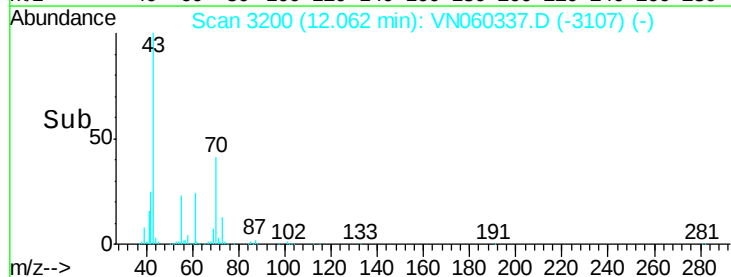
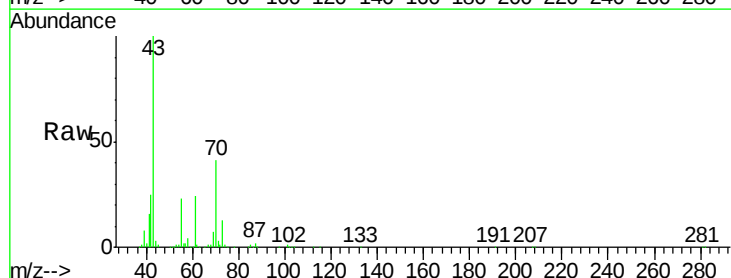
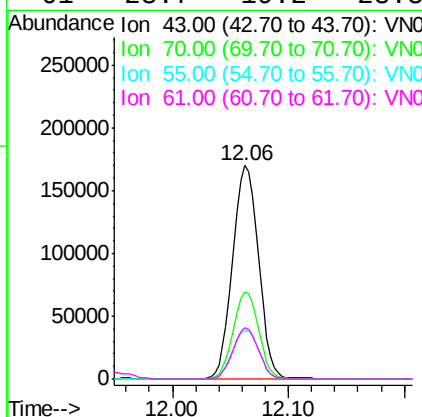
Manual Integrations
APPROVED

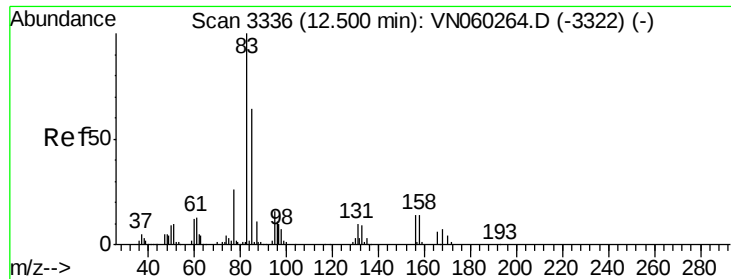
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#74
N-ethyl acetate
Concen: 49.167 ug/l
RT: 12.06 min Scan# 3200
Delta R.T. 0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.2	32.2	48.2
55	23.2	18.2	27.4
61	23.7	19.2	28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 50.046 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Instrument :

MSVOA_N

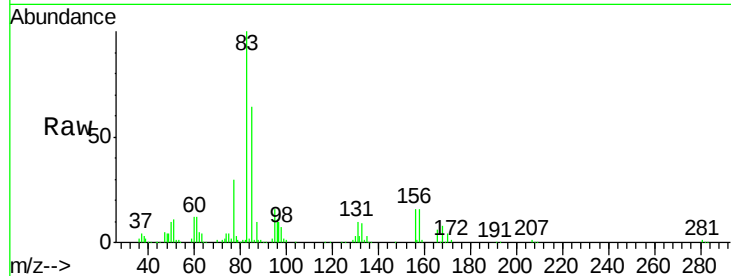
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	165628
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.1	15.3
85	64.2	32.3	96.8

Manual Integrations
APPROVED

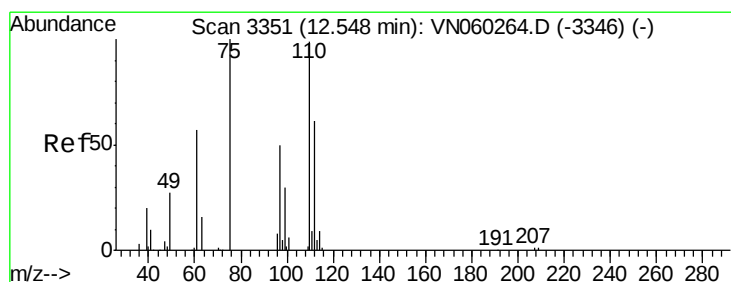
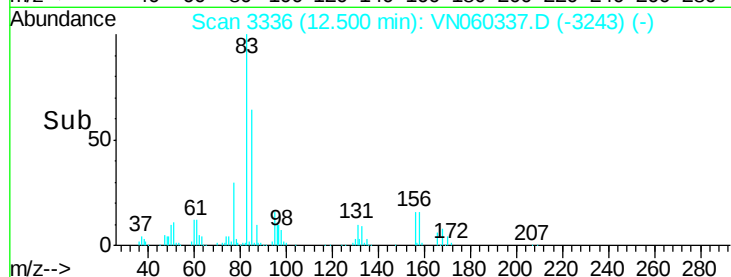
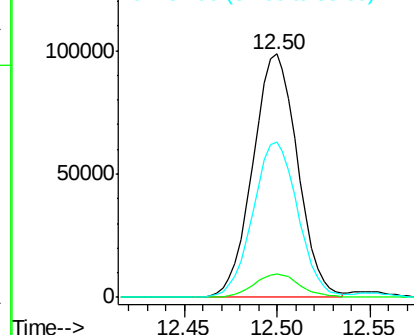
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Abundance Ion 82.90 (82.60 to 83.60): VN060337.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060337.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060337.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 44.777 ug/l m

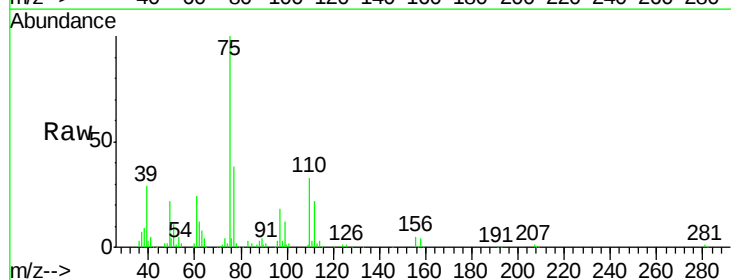
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060337.D

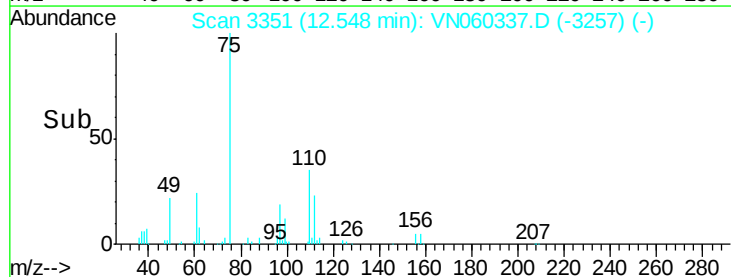
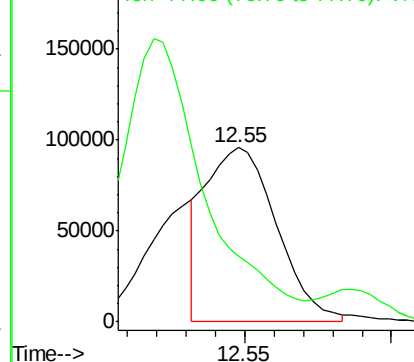
Acq: 4 Mar 2020 8:44

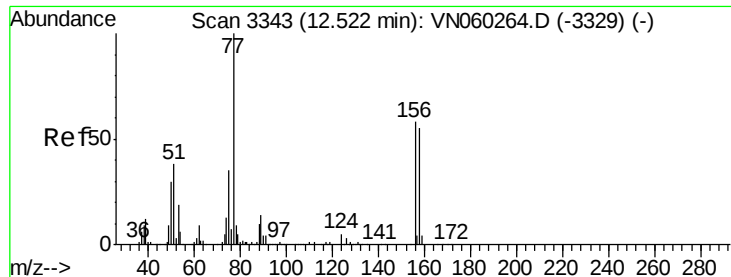
Tgt Ion:	75	Resp:	161376
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060337.D (-3257) (-)

Ion 77.00 (76.70 to 77.70): VN060337.D (-3257) (-)





#77

Bromobenzene

Concen: 49.241 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Instrument :

MSVOA_N

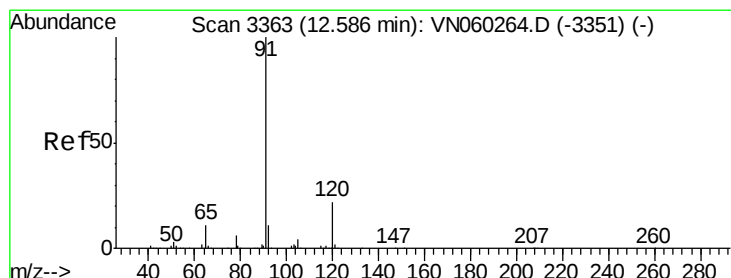
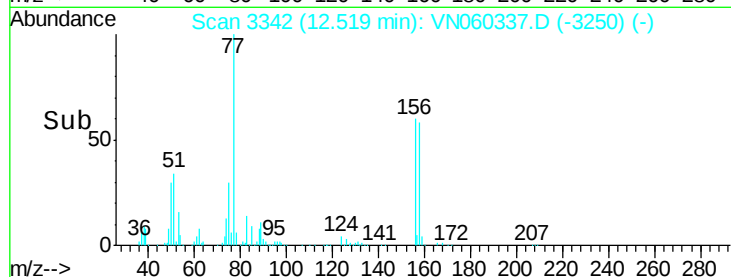
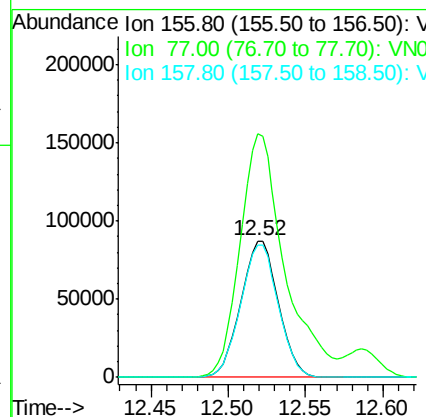
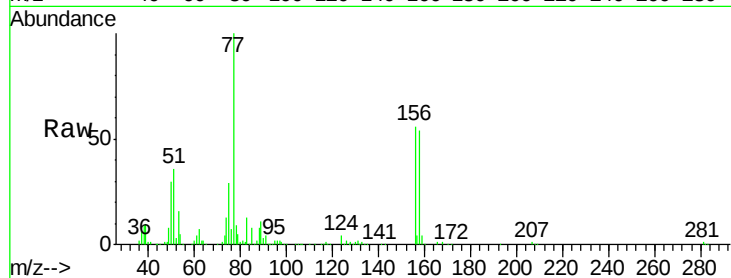
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	212.7	106.1	318.3	
158	97.5	48.3	144.8	

Manual Integrations
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#78

n-propylbenzene

Concen: 50.745 ug/l

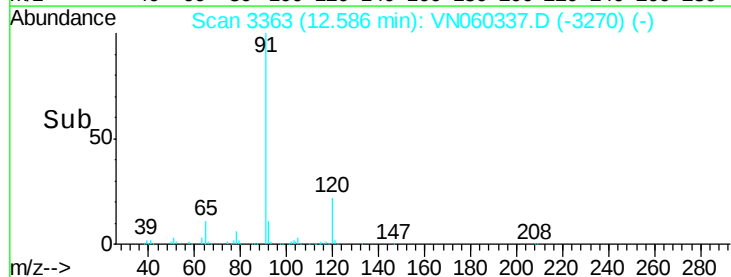
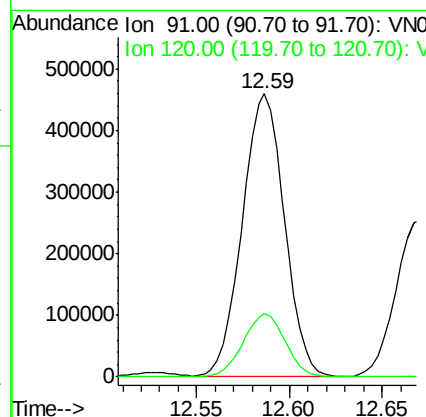
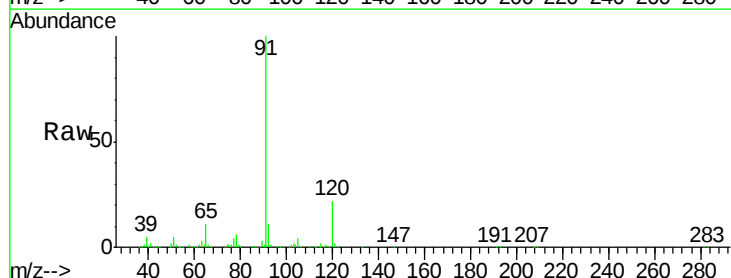
RT: 12.59 min Scan# 3363

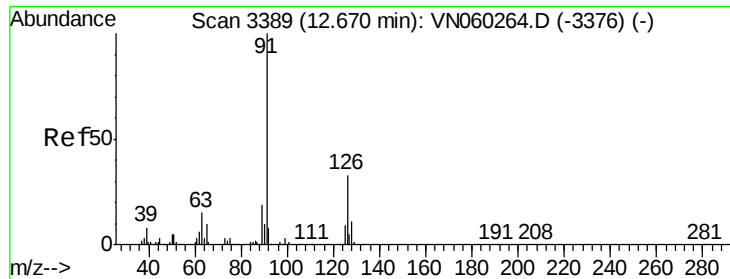
Delta R.T. 0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.4	11.3	33.9	





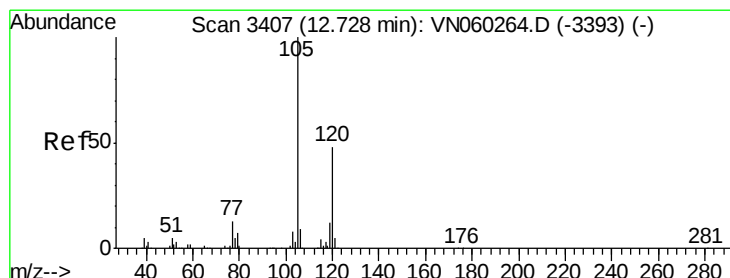
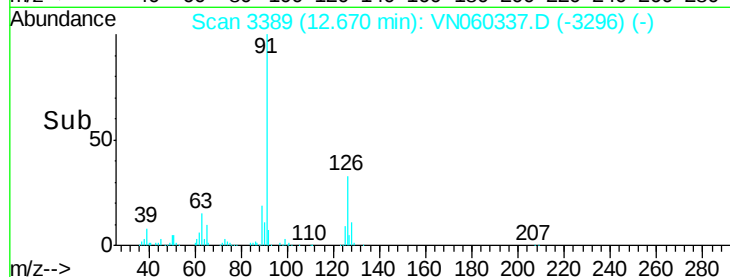
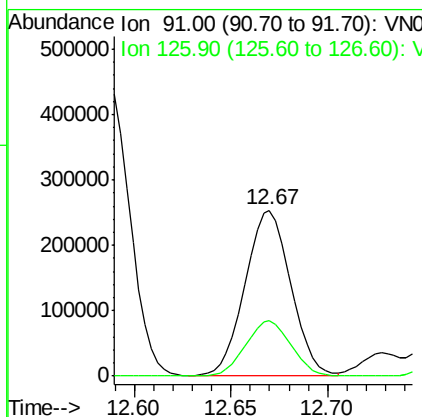
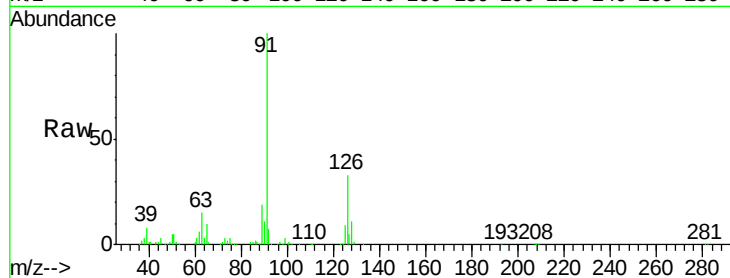
#79
2-Chlorotoluene
Concen: 49.605 ug/l
RT: 12.67 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 416142
Ion Ratio Lower Upper
91 100
126 33.4 16.6 49.8

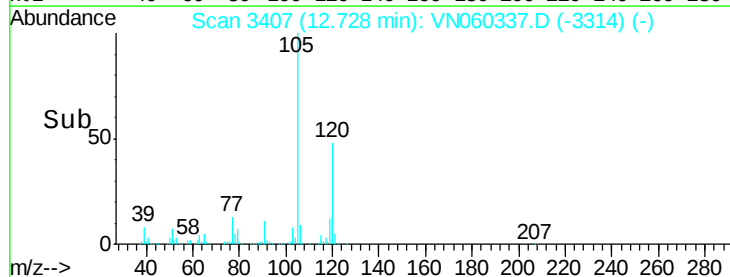
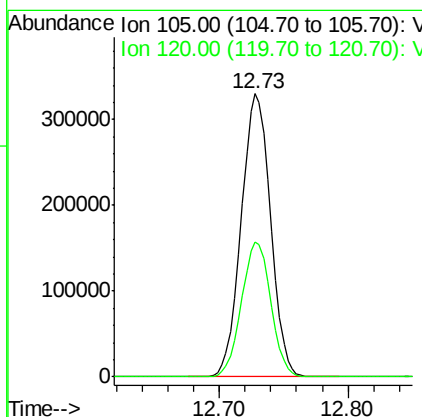
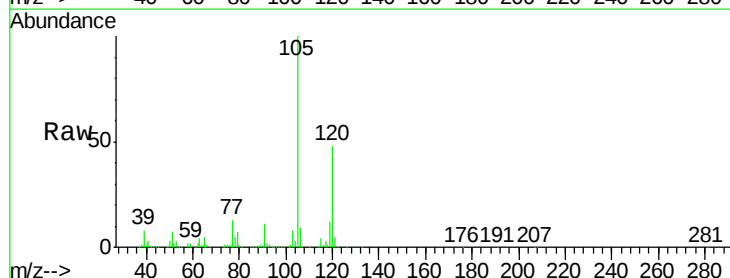
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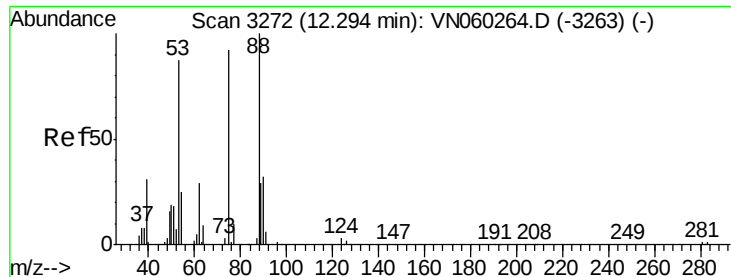
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#80
1,3,5-Trimethylbenzene
Concen: 50.884 ug/l
RT: 12.73 min Scan# 3407
Delta R.T. 0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Tgt Ion: 105 Resp: 521612
Ion Ratio Lower Upper
105 100
120 47.7 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 52.475 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Instrument :

MSVOA_N

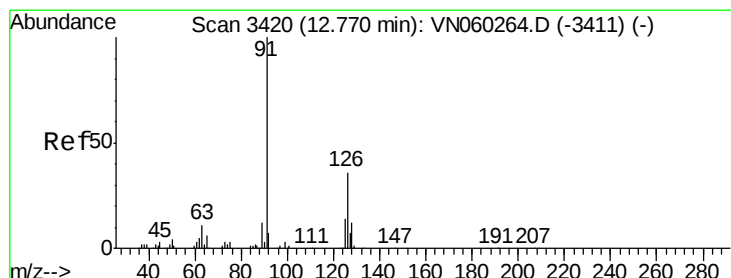
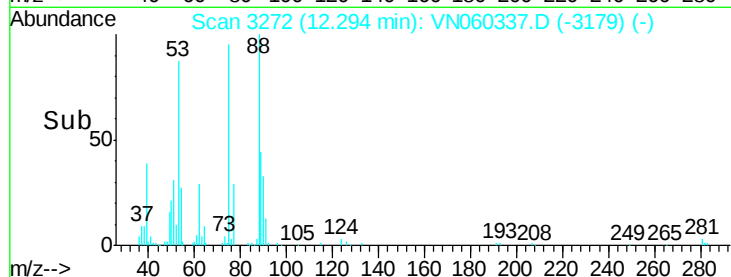
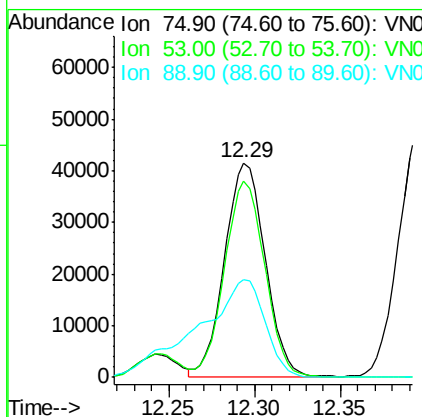
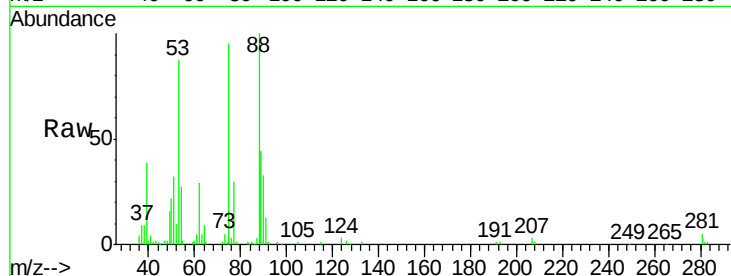
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	68511
Ion Ratio	Lower	Upper	
75	100		
53	90.8	73.8	110.6
89	75.7	57.1	85.7

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#82

4-Chlorotoluene

Concen: 49.835 ug/l

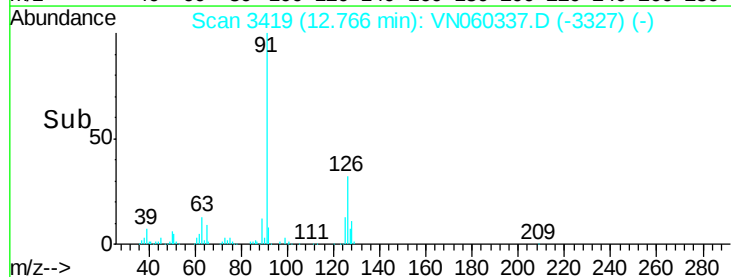
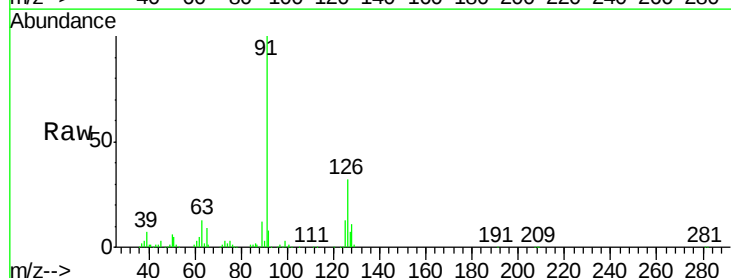
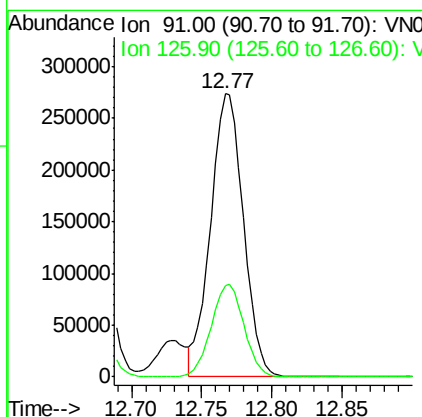
RT: 12.77 min Scan# 3419

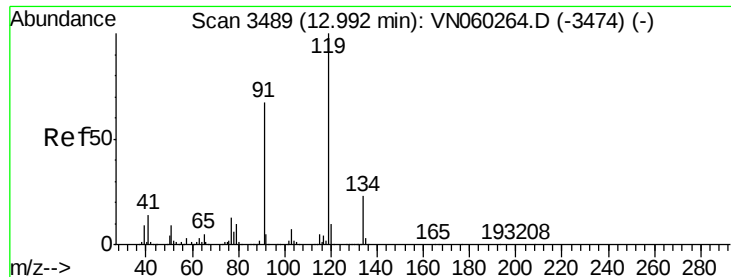
Delta R.T. -0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Tgt Ion:	91	Resp:	440472
Ion Ratio	Lower	Upper	
91	100		
126	32.8	16.7	50.1





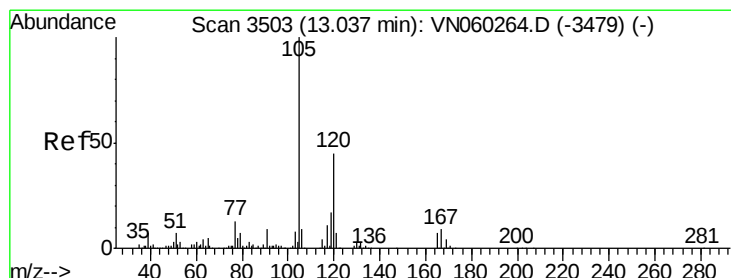
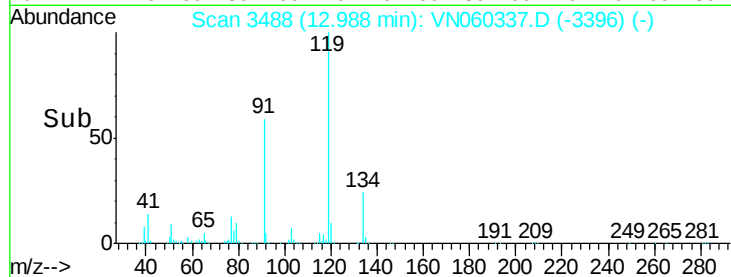
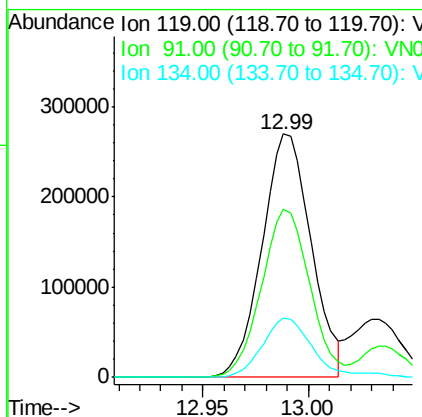
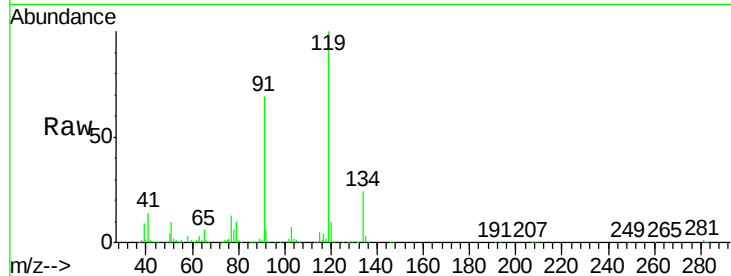
#83
 tert-Butylbenzene
 Concen: 49.360 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060337.D
 Acq: 4 Mar 2020 8:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.9	33.1	99.2
134	25.4	12.4	37.0

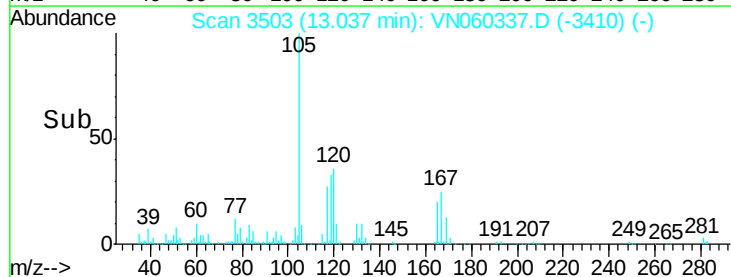
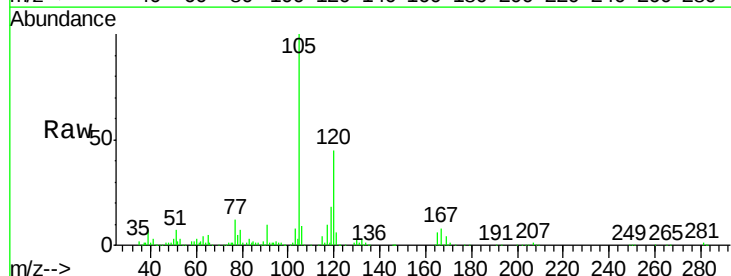
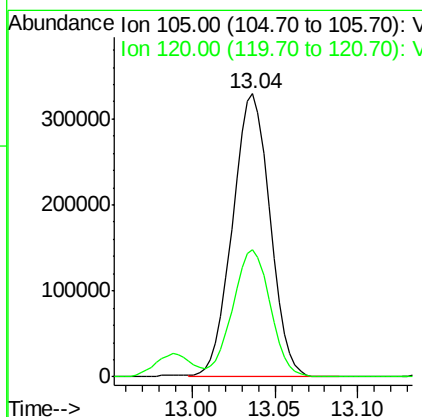
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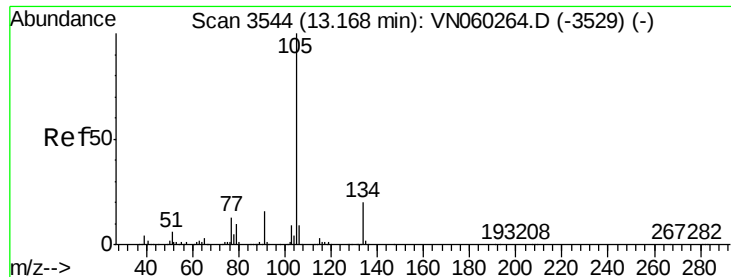
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.046 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060337.D
 Acq: 4 Mar 2020 8:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.3	66.9





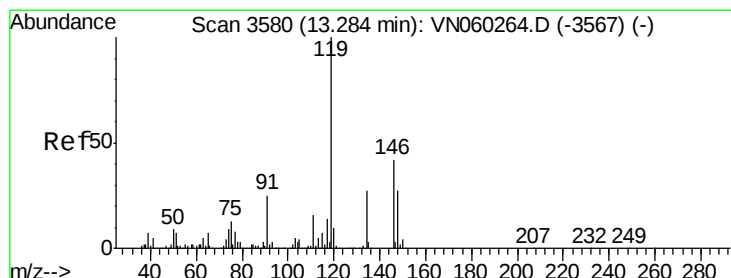
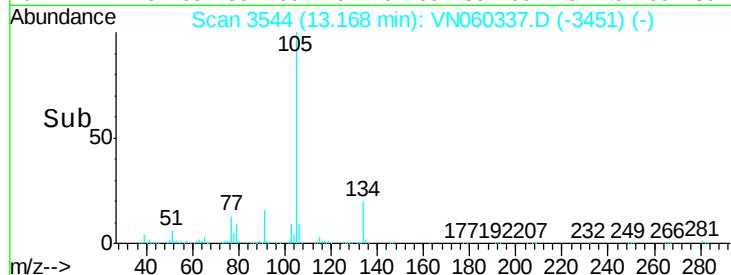
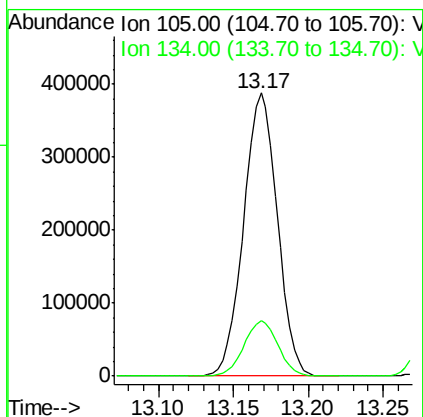
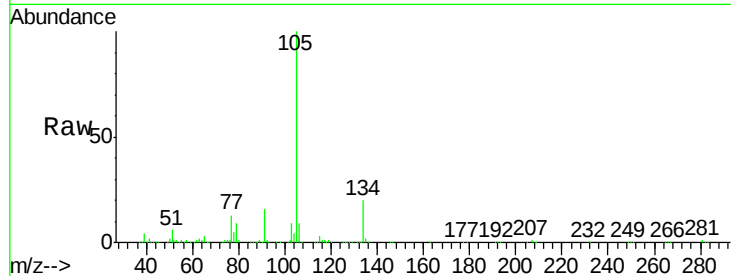
#85
 sec-Butylbenzene
 Concen: 51.237 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060337.D
 Acq: 4 Mar 2020 8:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	608957		
134	19.8	9.8	29.5	

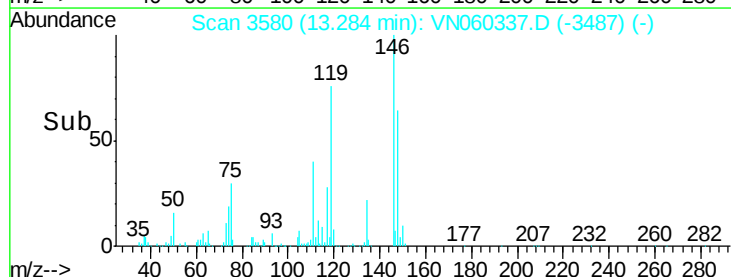
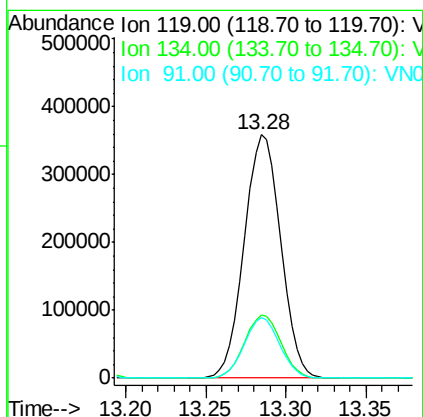
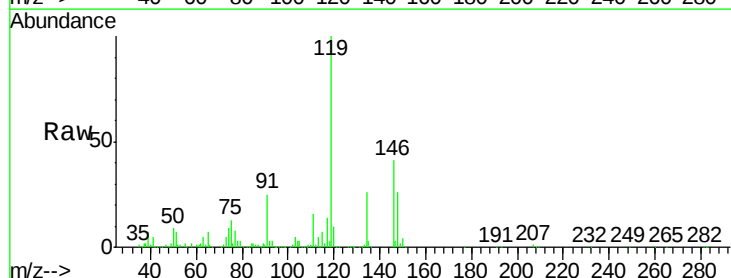
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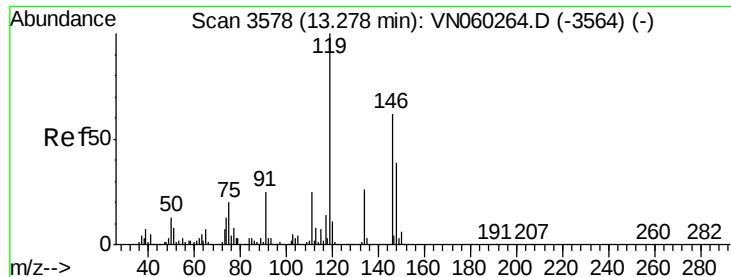
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#86
 p-Isopropyltoluene
 Concen: 50.612 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060337.D
 Acq: 4 Mar 2020 8:44

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	556747		
134	26.0	13.2	39.6	
91	24.3	12.2	36.6	





#87

1,3-Dichlorobenzene

Concen: 52.865 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060337.D

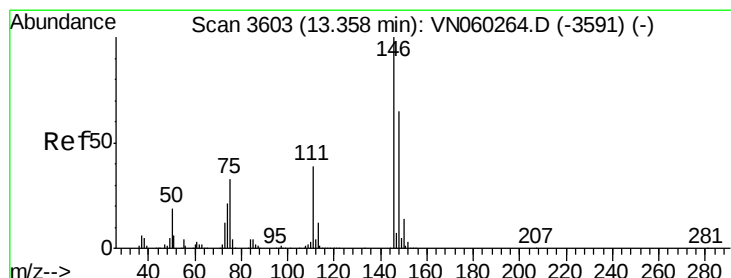
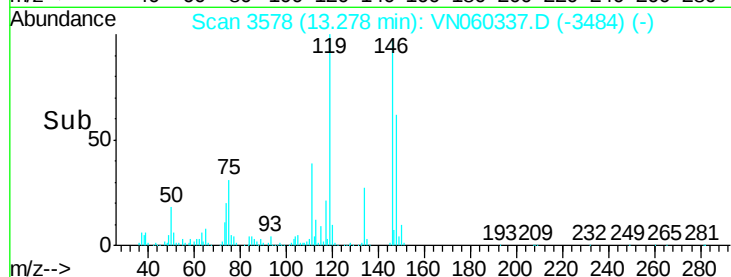
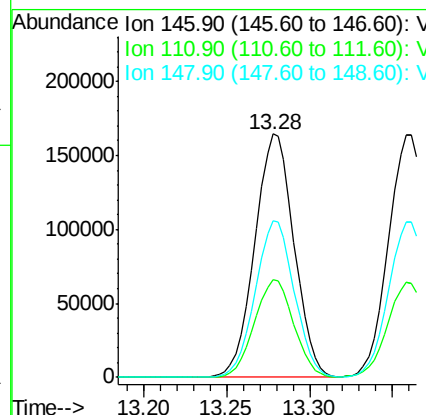
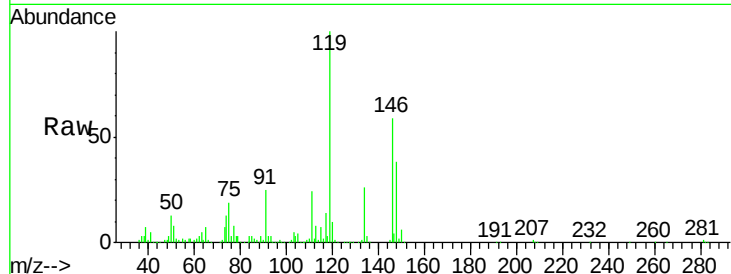
Acq: 4 Mar 2020 8:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	59.9
148	63.7	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 53.125 ug/l

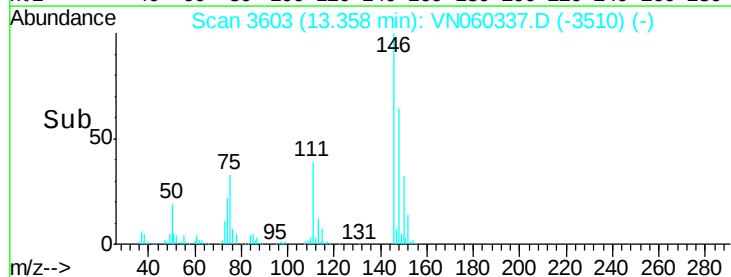
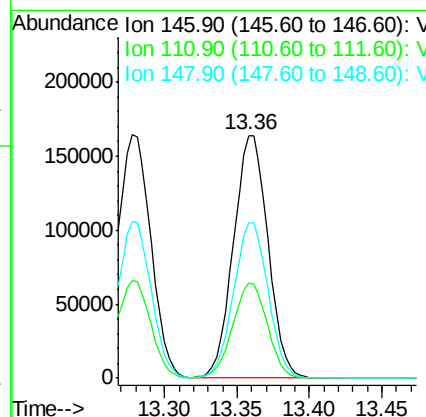
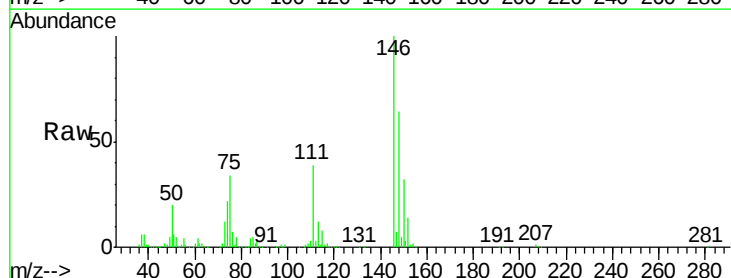
RT: 13.36 min Scan# 3603

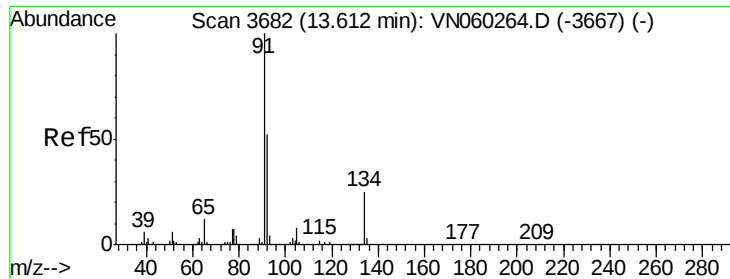
Delta R.T. 0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.8	59.4
148	64.2	32.3	96.9





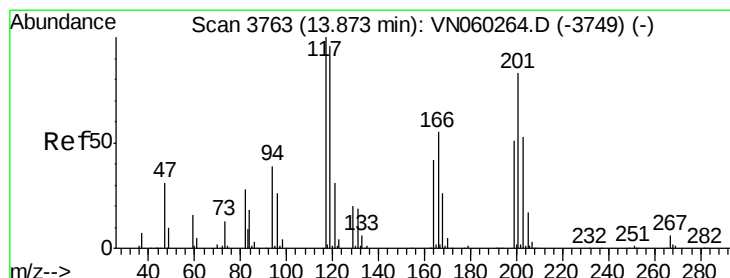
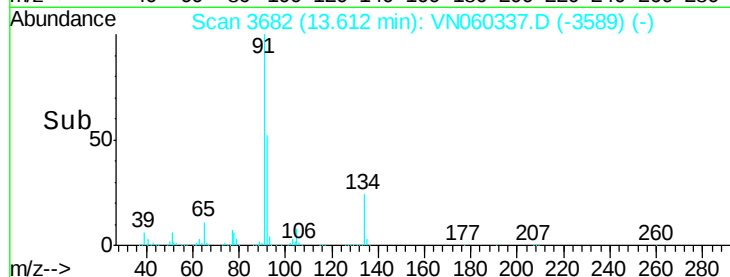
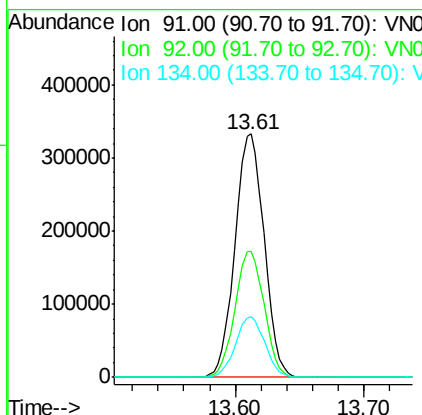
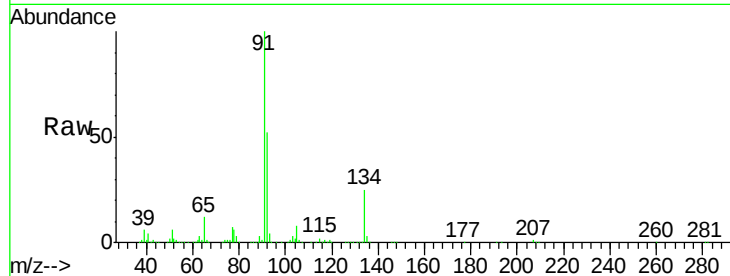
#89
n-Butylbenzene
Concen: 51.670 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.0	78.0
134	24.9	12.7	38.1

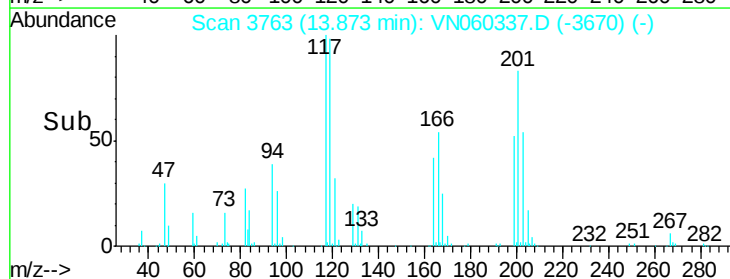
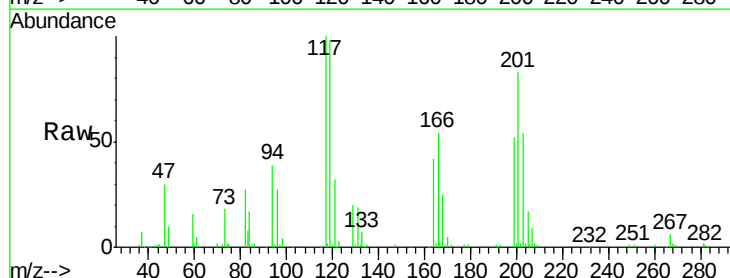
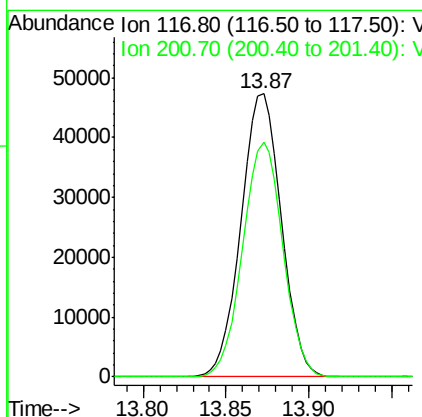
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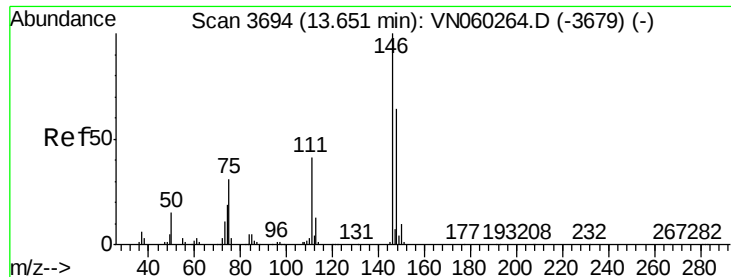
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#90
Hexachloroethane
Concen: 50.349 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060337.D
Acq: 4 Mar 2020 8:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.4	41.0	123.0





#91

1,2-Dichlorobenzene

Concen: 49.118 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Instrument :

MSVOA_N

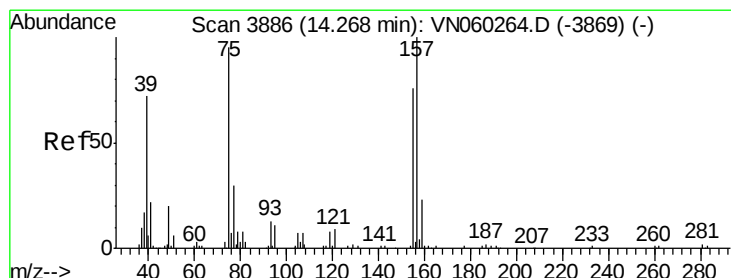
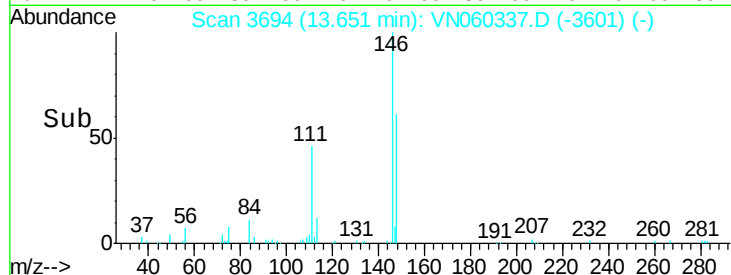
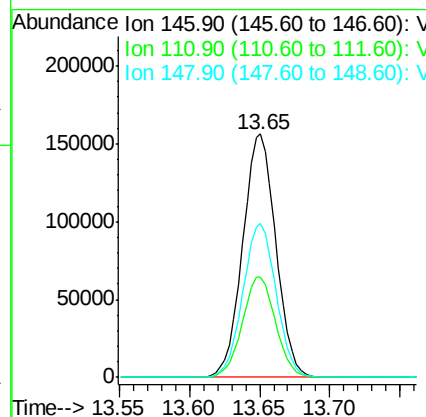
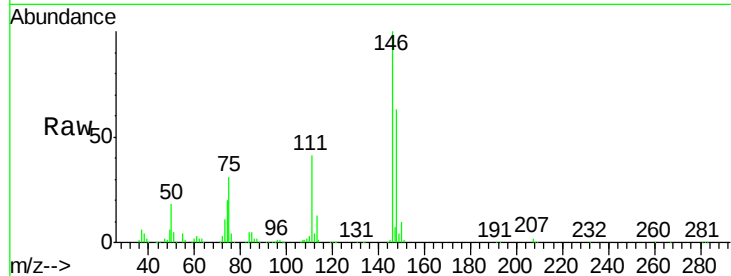
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	256867
Ion Ratio		Lower	Upper
146	100		
111	41.3	20.3	61.0
148	63.6	31.8	95.3

Manual Integrations
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3/5/2020 1:09:43 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.028 ug/l

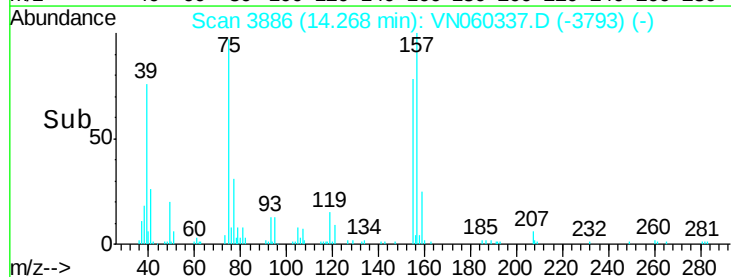
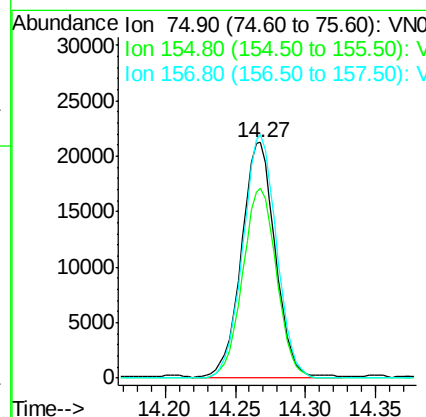
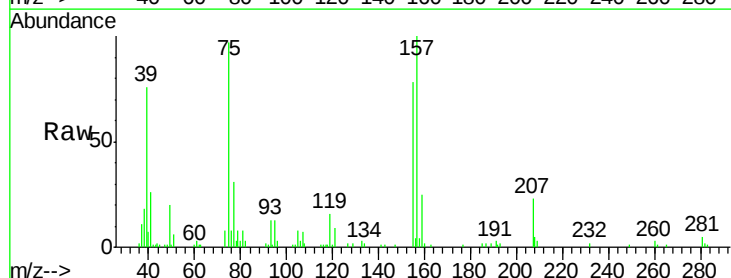
RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Tgt Ion:	75	Resp:	35995
Ion Ratio		Lower	Upper
75	100		
155	79.9	40.4	121.2
157	101.8	52.5	157.5





#93

1,2,4-Trichlorobenzene

Concen: 53.096 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. 0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Instrument :

MSVOA_N

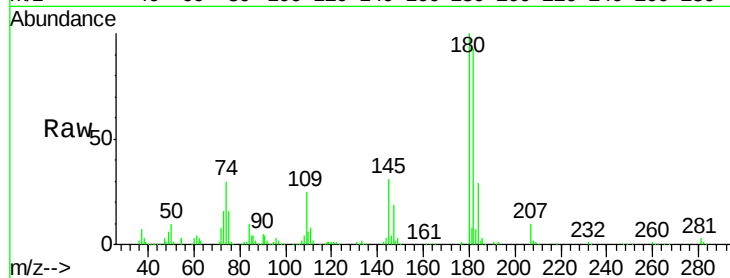
ClientSampled :

VSTDCCC050

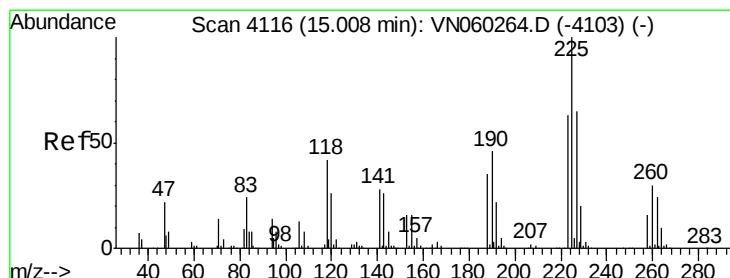
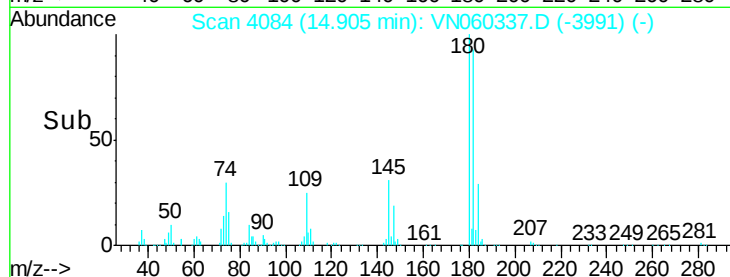
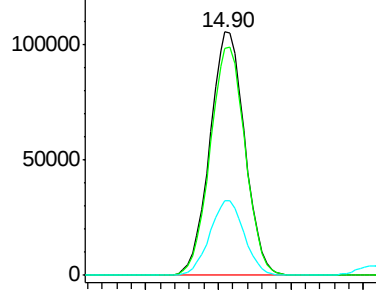
Tot Ion:	180	Resp:	176453
Ion Ratio	Lower	Upper	
180	100		
182	94.0	47.8	143.3
145	30.4	15.4	46.1

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:09:43 PM



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 56.959 ug/l

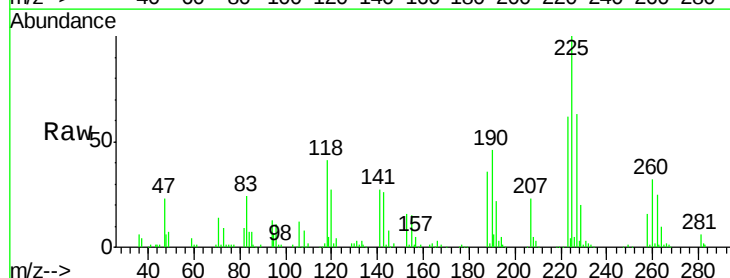
RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

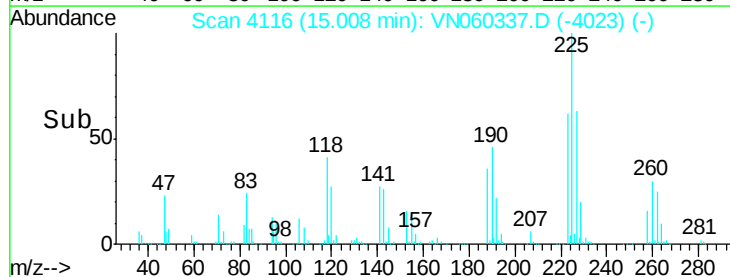
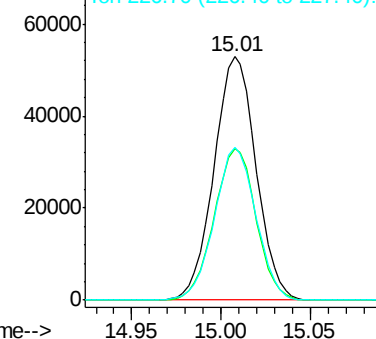
Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Tgt Ion:	225	Resp:	86883
Ion Ratio	Lower	Upper	
225	100		
223	62.1	31.3	93.9
227	61.9	32.3	96.9



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 49.362 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Instrument :

MSVOA_N

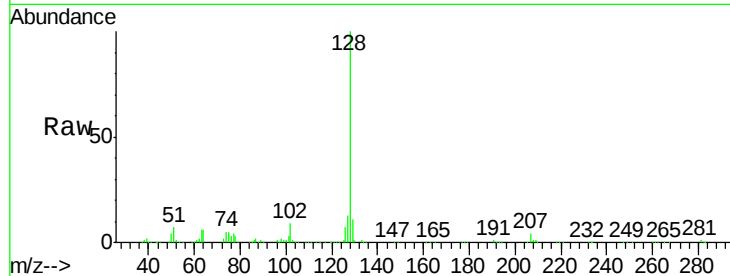
ClientSampleId :

VSTDCCC050

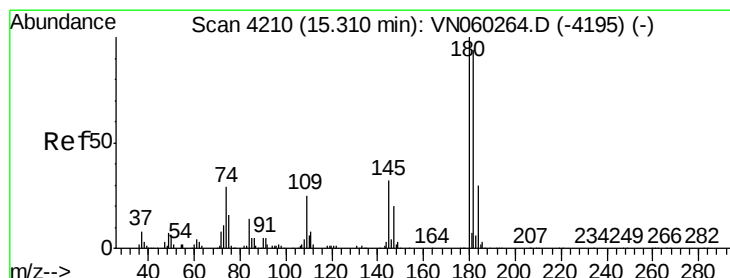
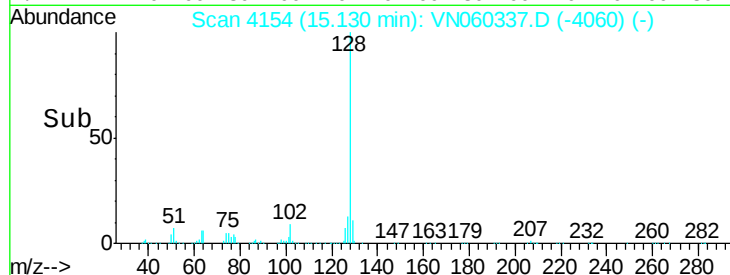
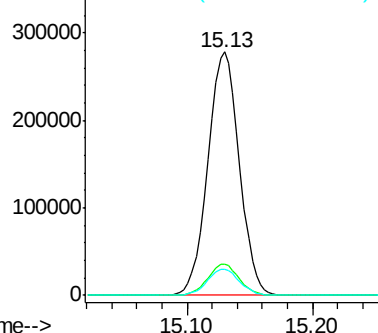
Tot Ion:	128	Resp:	483166
Ion Ratio		Lower	Upper
128	100		
127	12.7	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:09:43 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.337 ug/l

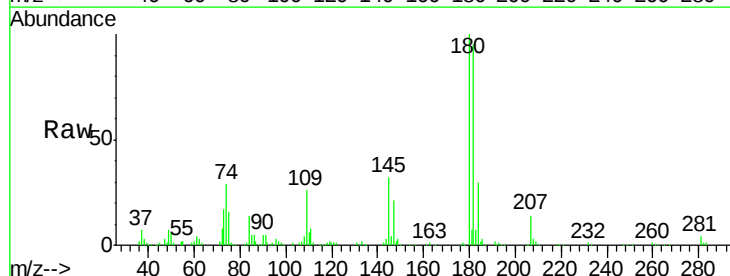
RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060337.D

Acq: 4 Mar 2020 8:44

Tgt Ion:	180	Resp:	160641
Ion Ratio		Lower	Upper
180	100		
182	95.0	47.3	142.0
145	32.5	16.2	48.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

