

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030620\
 Data File : VN060374.D
 Acq On : 6 Mar 2020 12:49
 Operator : JC/MD
 Sample : VN0306WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0306WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/9/2020 11:41:29 AM

Quant Time: Mar 07 03:19:32 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	189598	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	313122	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	288955	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	135702	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	120470	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
35) Dibromofluoromethane	7.56	113	86622	59.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.20%	
50) Toluene-d8	10.08	98	344845	46.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.76%	
62) 4-Bromofluorobenzene	12.40	95	129397	46.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	28923	16.638	ug/l	99
3) Chloromethane	2.04	50	50652	16.736	ug/l	99
4) Vinyl Chloride	2.16	62	41802	16.105	ug/l	98
5) Bromomethane	2.54	94	17616	15.188	ug/l	98
6) Chloroethane	2.68	64	23344	16.600	ug/l	96
7) Trichlorofluoromethane	3.00	101	56707	17.100	ug/l	99
8) Diethyl Ether	3.38	74	22992	18.363	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	33544	17.873	ug/l	99
10) Methyl Iodide	3.93	142	30650	17.894	ug/l	100
11) Tert butyl alcohol	4.73	59	34767	96.253	ug/l	100
12) 1,1-Dichloroethene	3.71	96	32369	17.721	ug/l	99
13) Acrolein	3.57	56	30564	90.702	ug/l	99
14) Allyl chloride	4.29	41	56381	16.788	ug/l	93
15) Acrylonitrile	4.94	53	91452	96.056	ug/l	99
16) Acetone	3.78	43	75309	95.868	ug/l	99
17) Carbon Disulfide	4.03	76	81668	16.422	ug/l	100
18) Methyl Acetate	4.28	43	48773	18.605	ug/l	97
19) Methyl tert-butyl Ether	5.00	73	127695	19.309	ug/l	98
20) Methylene Chloride	4.52	84	38665	17.922	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	35981	18.114	ug/l	98
22) Diisopropyl ether	5.91	45	133940	19.689	ug/l	99
23) Vinyl Acetate	5.86	43	526687	97.430	ug/l	99
24) 1,1-Dichloroethane	5.81	63	72513	18.830	ug/l	99
25) 2-Butanone	6.80	43	123519	97.347	ug/l	100
26) 2,2-Dichloropropane	6.79	77	65591	18.709	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	44172	17.658	ug/l	99
28) Bromochloromethane	7.17	49	29036	18.365	ug/l	97
29) Tetrahydrofuran	7.18	42	84386	95.640	ug/l	98
30) Chloroform	7.35	83	73384	19.143	ug/l	97
31) Cyclohexane	7.63	56	63295	18.414	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	63037	18.559	ug/l	100
36) 1,1-Dichloropropene	7.77	75	52621	17.633	ug/l	99
37) Ethyl Acetate	6.90	43	54203	19.182	ug/l	100
38) Carbon Tetrachloride	7.75	117	51433	17.702	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	58183	16.536	ug/l	96
40) Benzene	8.02	78	159009	18.307	ug/l	99
41) Methacrylonitrile	7.14	41	21426m	16.422	ug/l	
42) 1,2-Dichloroethane	8.10	62	59605	19.017	ug/l	99
43) Isopropyl Acetate	8.14	43	95315	19.268	ug/l	98
44) Trichloroethene	8.82	130	43522	17.991	ug/l	99
45) 1,2-Dichloropropane	9.10	63	44387	19.546	ug/l	98
46) Dibromomethane	9.19	93	27232	18.481	ug/l	99
47) Bromodichloromethane	9.39	83	57985	19.348	ug/l	99
48) Methyl methacrylate	9.18	41	41434	18.368	ug/l	98
49) 1,4-Dioxane	9.18	88	12059	380.136	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	271172	96.683	ug/l	100
52) Toluene	10.14	92	97441	17.859	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	67894	18.489	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	72016	18.926	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	41341	18.842	ug/l	99
56) Ethyl methacrylate	10.42	69	58843	18.667	ug/l	98
57) 1,3-Dichloropropane	10.70	76	69521	19.429	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	162130	98.343	ug/l	99
59) 2-Hexanone	10.74	43	193458	93.943	ug/l	100
60) Dibromochloromethane	10.89	129	42714	19.143	ug/l	100
61) 1,2-Dibromoethane	10.99	107	40387	18.882	ug/l	98
64) Tetrachloroethene	10.62	164	45596	19.169	ug/l	100
65) Chlorobenzene	11.43	112	105730	18.121	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	40607	18.822	ug/l	99
67) Ethyl Benzene	11.50	91	192069	18.076	ug/l	100
68) m/p-Xylenes	11.62	106	142806	35.622	ug/l	99
69) o-Xylene	11.94	106	68898	18.023	ug/l	100
70) Styrene	11.96	104	111146	17.684	ug/l	99
71) Bromoform	12.12	173	29437	18.933	ug/l #	99
73) Isopropylbenzene	12.25	105	185407	18.434	ug/l	100
74) N-amyl acetate	12.06	43	81636	18.574	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	53166	19.446	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	51248m	17.213	ug/l	
77) Bromobenzene	12.52	156	45508	18.458	ug/l	98
78) n-propylbenzene	12.59	91	213953	18.147	ug/l	100
79) 2-Chlorotoluene	12.67	91	127221	18.357	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	156157	18.440	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	20837	19.319	ug/l #	85
82) 4-Chlorotoluene	12.77	91	133320	18.259	ug/l	98
83) tert-Butylbenzene	12.99	119	131896	17.989	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	155762	18.223	ug/l	100
85) sec-Butylbenzene	13.17	105	172670	17.587	ug/l	99
86) p-Isopropyltoluene	13.28	119	155630	17.126	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	80282	18.832	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	81461	19.125	ug/l	99
89) n-Butylbenzene	13.61	91	140631	16.858	ug/l	100
90) Hexachloroethane	13.87	117	21413	16.279	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	78427	18.154	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11607	18.747	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	50257	18.364	ug/l	98
94) Hexachlorobutadiene	15.01	225	23580	18.324	ug/l	99
95) Naphthalene	15.13	128	142377	17.432	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	47576	18.287	ug/l	99

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

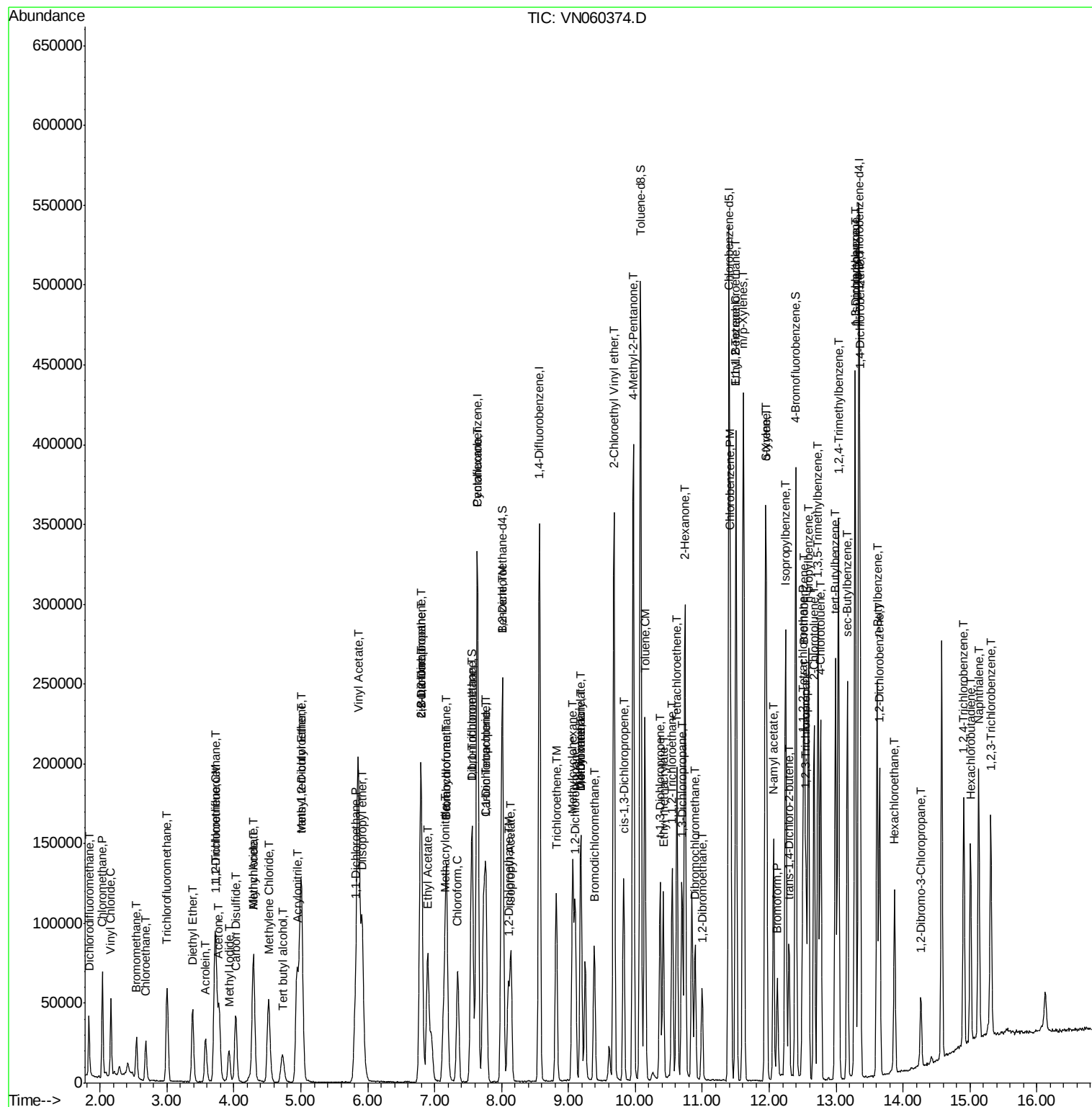
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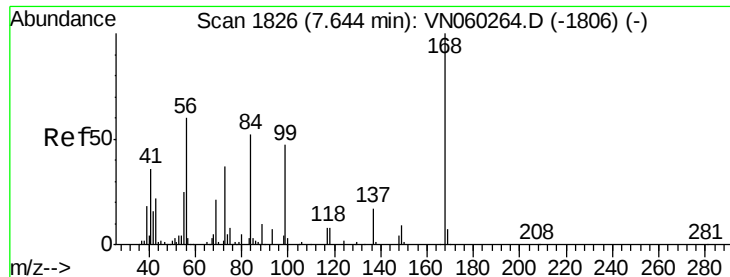
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060374.D

Acq: 6 Mar 2020 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN0306WBSD01

Tot Ion:168 Resp: 189598

Ion Ratio Lower Upper

168 100

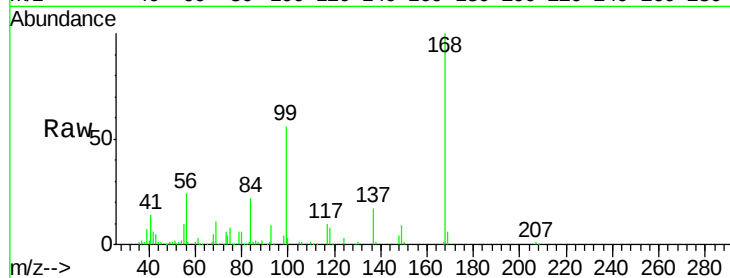
99 56.1 44.7 67.1

Manual Integrations

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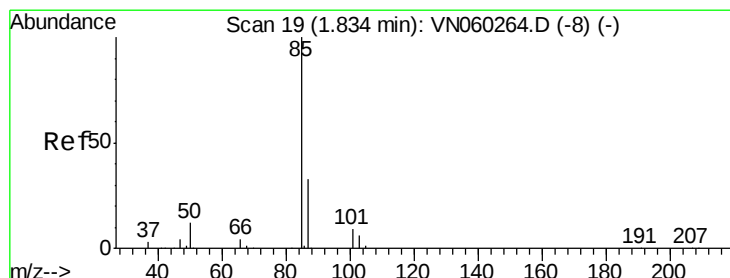
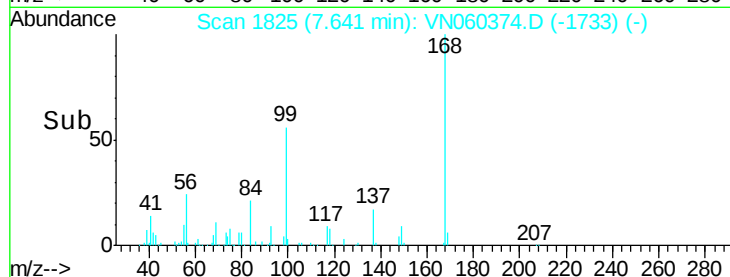
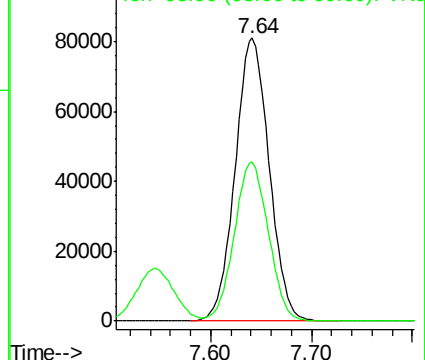
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 16.638 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060374.D

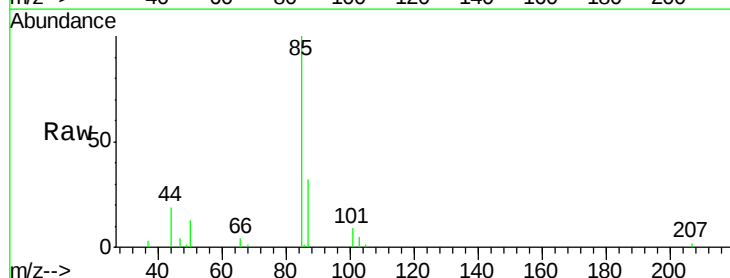
Acq: 6 Mar 2020 12:49

Tgt Ion: 85 Resp: 28923

Ion Ratio Lower Upper

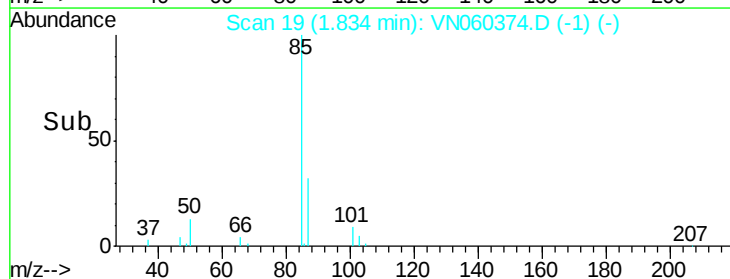
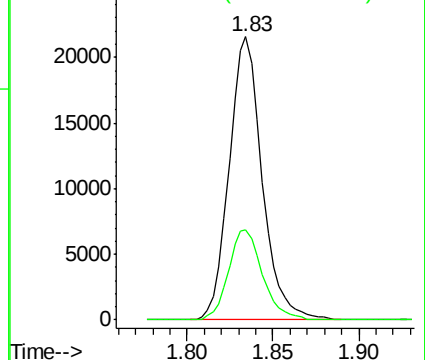
85 100

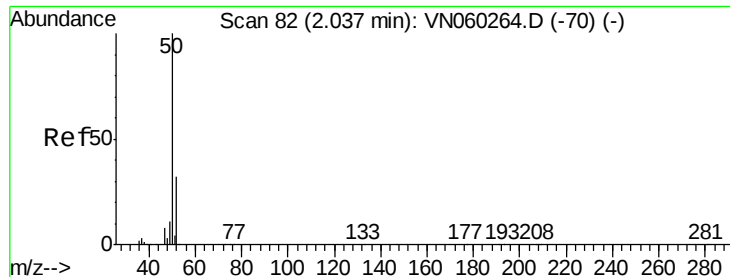
87 32.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 16.736 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060374.D

Acq: 6 Mar 2020 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN0306WBSD01

Tot Ion: 50 Resp: 50652

Ion Ratio Lower Upper

50 100

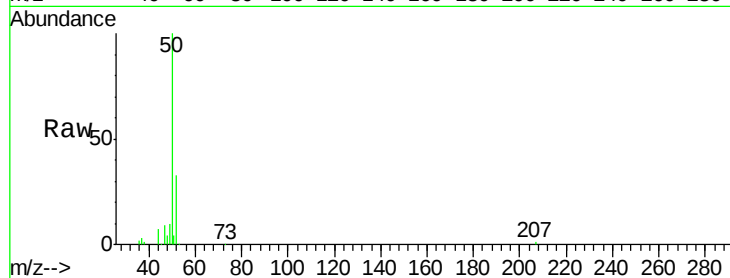
52 32.6 25.6 38.4

Manual Integrations

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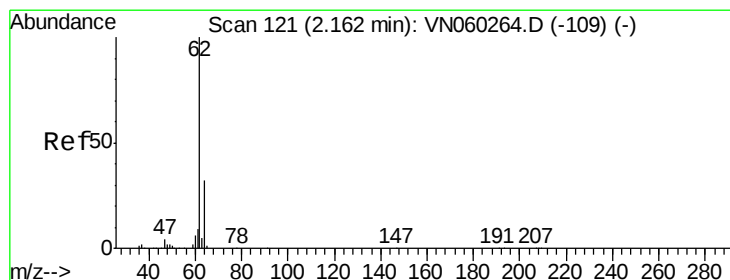
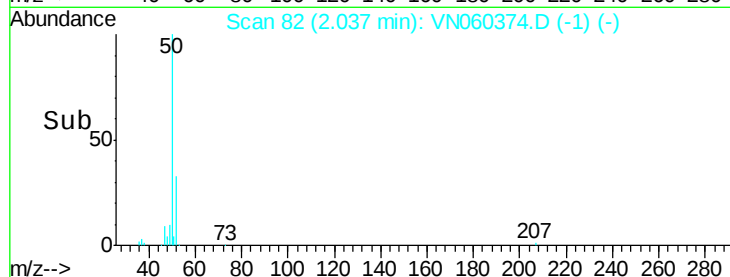
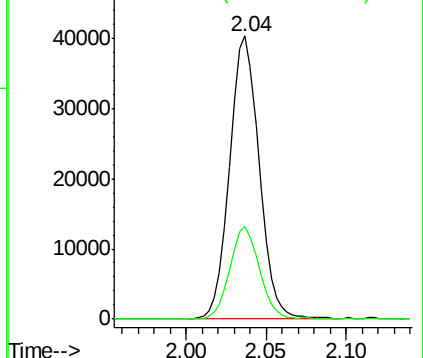
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 16.105 ug/l

RT: 2.16 min Scan# 121

Delta R.T. -0.00 min

Lab File: VN060374.D

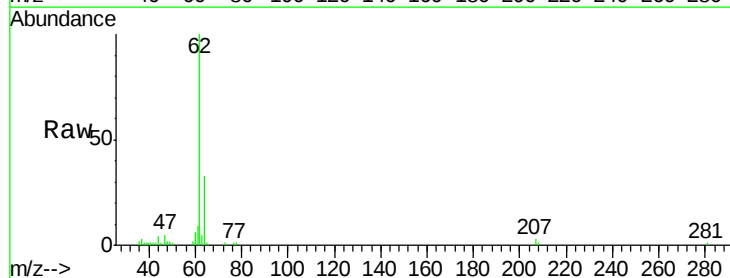
Acq: 6 Mar 2020 12:49

Tgt Ion: 62 Resp: 41802

Ion Ratio Lower Upper

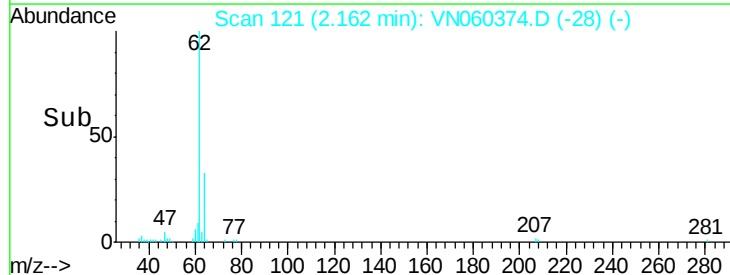
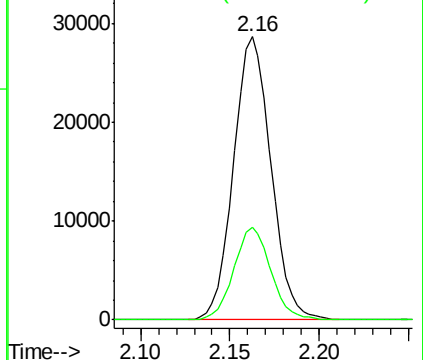
62 100

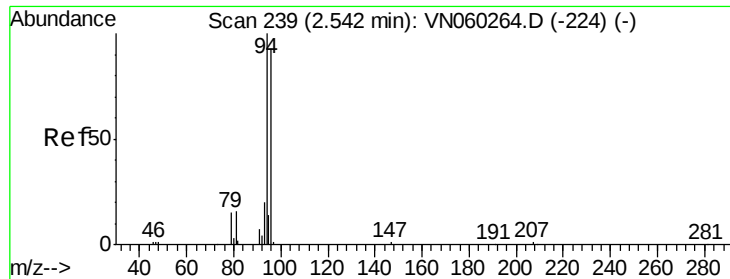
64 32.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 15.188 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN060374.D

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Tot Ion: 94 Resp: 17616

Ion Ratio Lower Upper

94 100

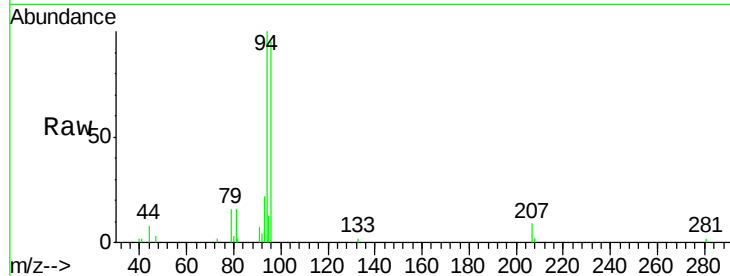
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Manual Integrations

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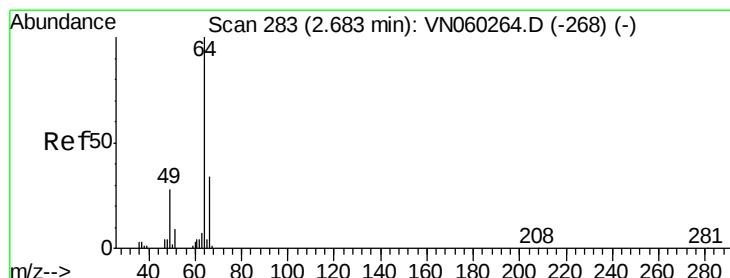
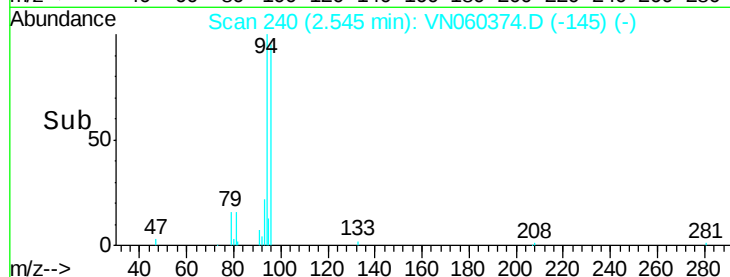
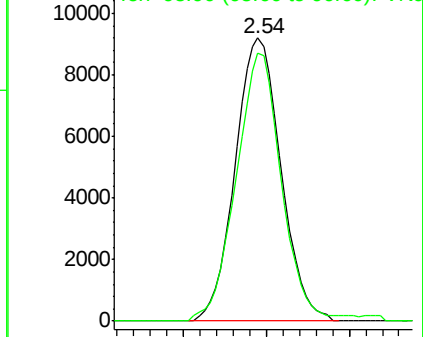
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 16.600 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN060374.D

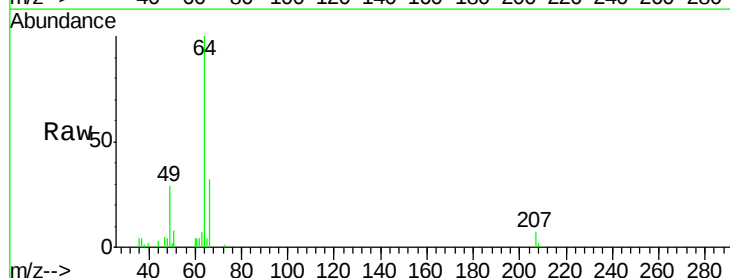
Acq: 6 Mar 2020 12:49

Tgt Ion: 64 Resp: 23344

Ion Ratio Lower Upper

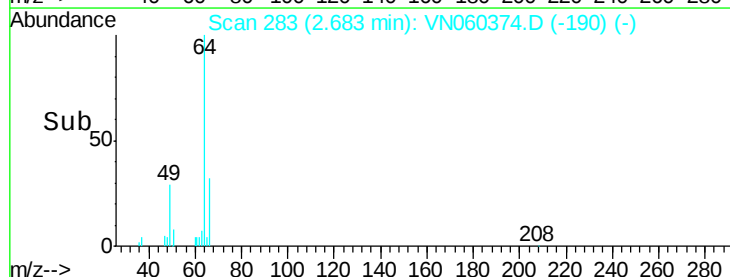
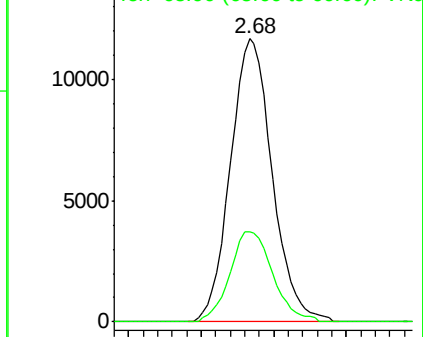
64 100

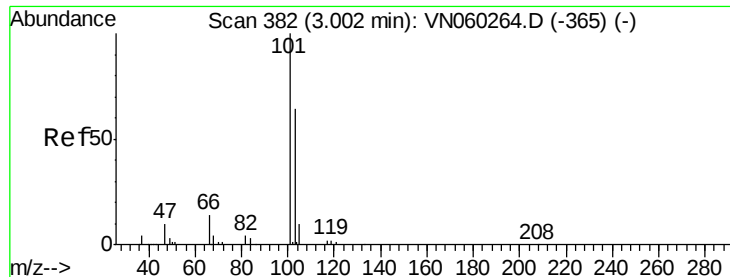
66 32.0 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

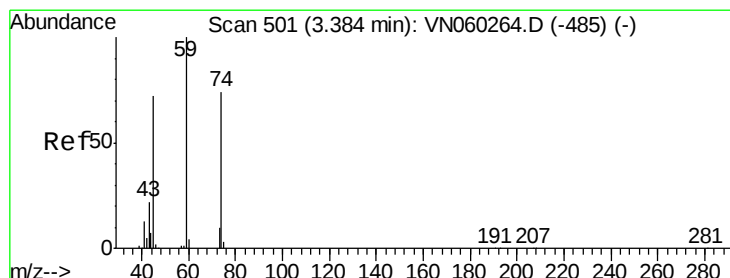
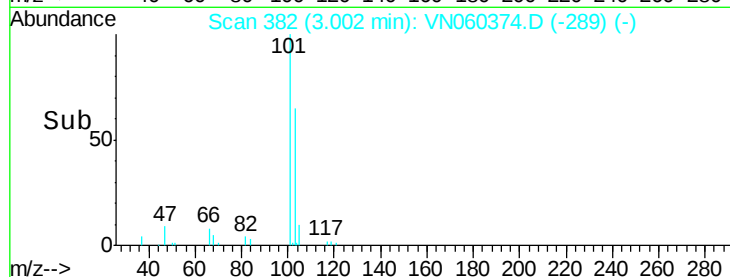
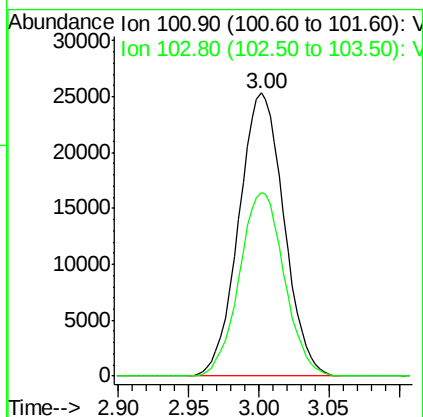
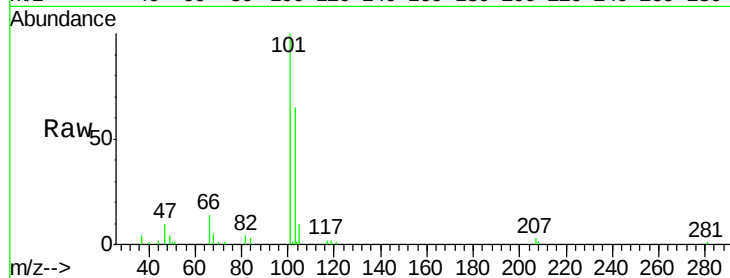
Trichlorofluoromethane
Concen: 17.100 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.00 min
Lab File: VN060374.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		56707		
103	65.0	51.3	76.9		

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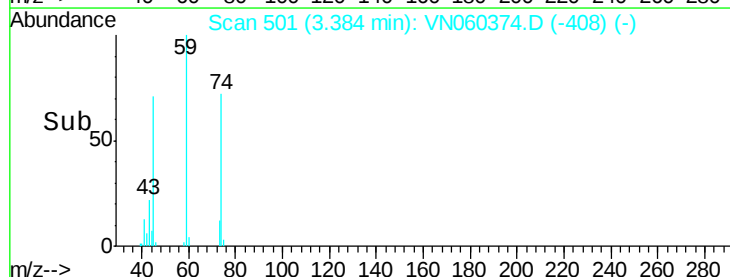
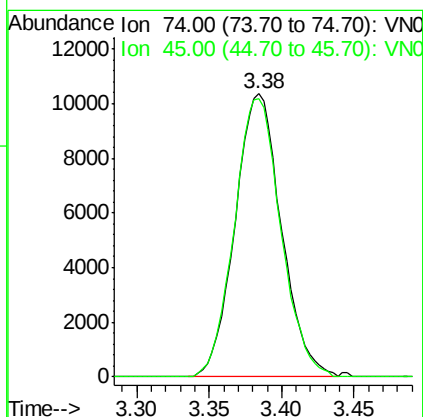
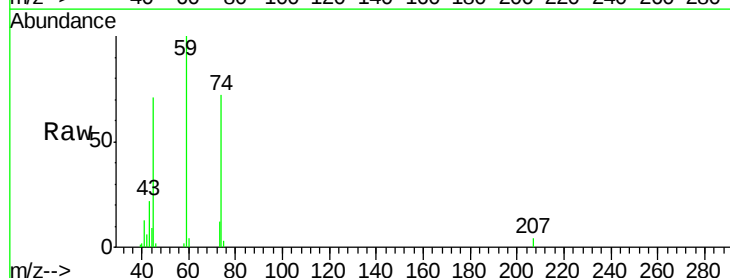
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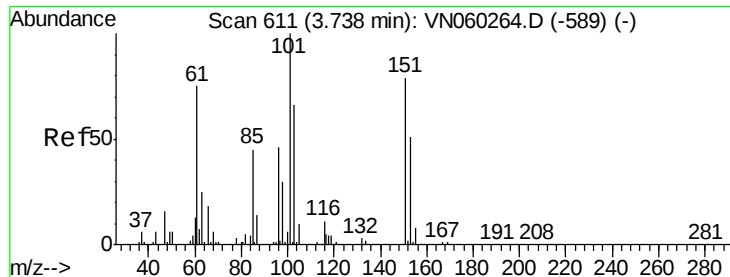


#8

Diethyl Ether
Concen: 18.363 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN060374.D
Acq: 6 Mar 2020 12:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		22992		
45	98.8	49.5	148.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.873 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN060374.D

Acq: 6 Mar 2020 12:49

Instrument :

MSVOA_N

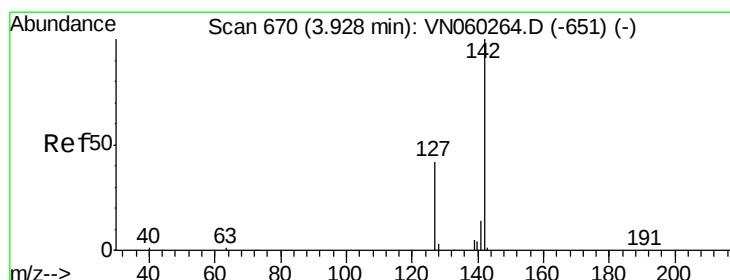
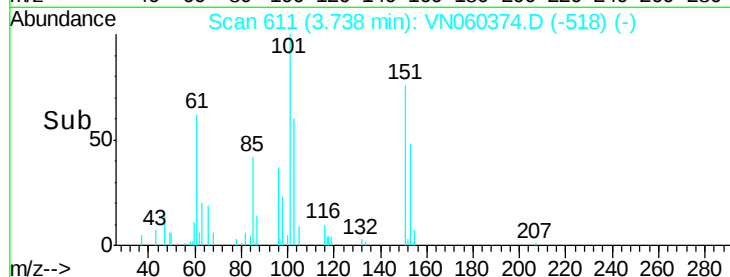
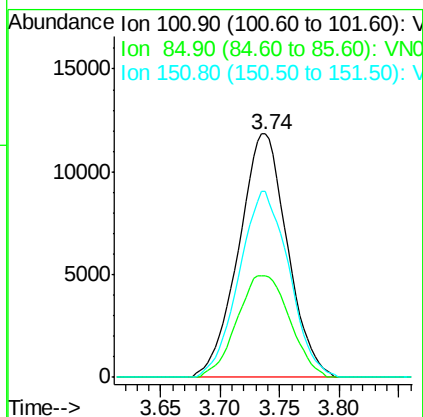
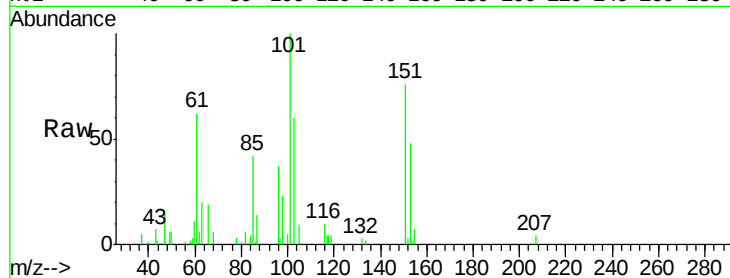
ClientSampleId :

VN0306WBSD01

Tot Ion:	101	Resp:	33544
Ion Ratio	Lower	Upper	
101	100		
85	45.1	35.4	53.2
151	78.4	62.0	93.0

Manual Integrations
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#10

Methyl Iodide

Concen: 17.894 ug/l

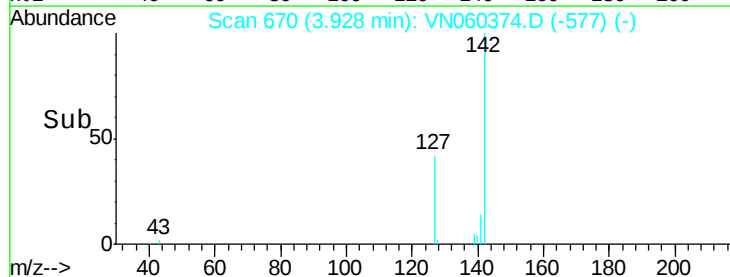
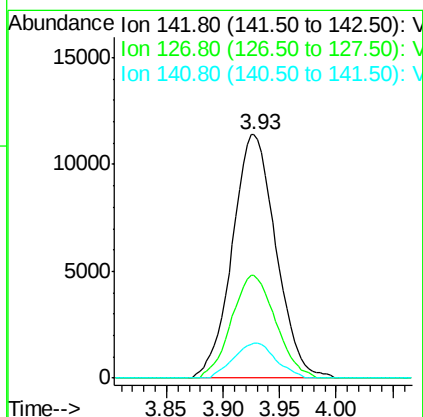
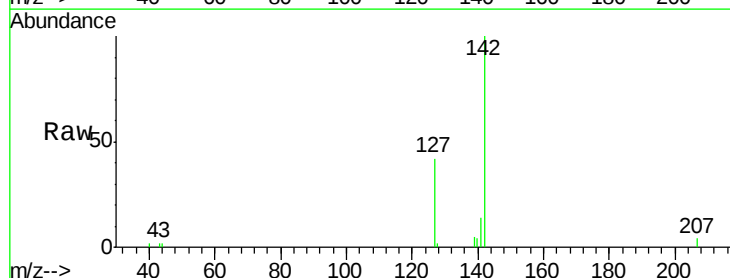
RT: 3.93 min Scan# 670

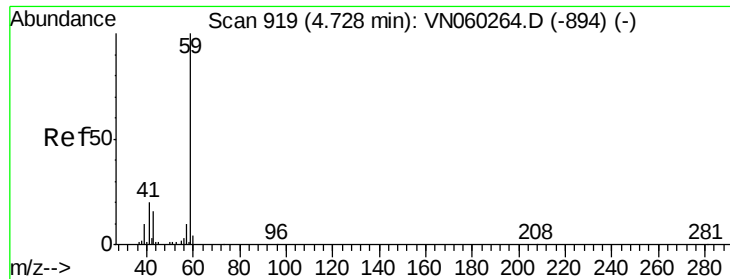
Delta R.T. -0.00 min

Lab File: VN060374.D

Acq: 6 Mar 2020 12:49

Tgt Ion:	142	Resp:	30650
Ion Ratio	Lower	Upper	
142	100		
127	42.5	33.8	50.6
141	13.9	11.1	16.7





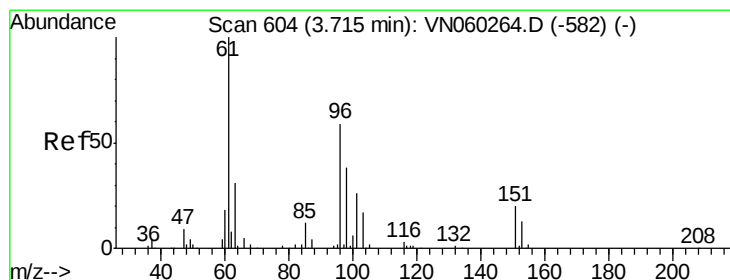
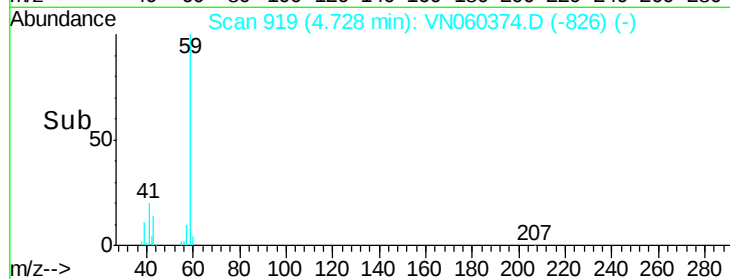
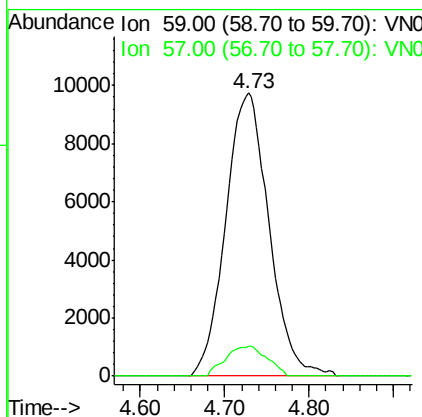
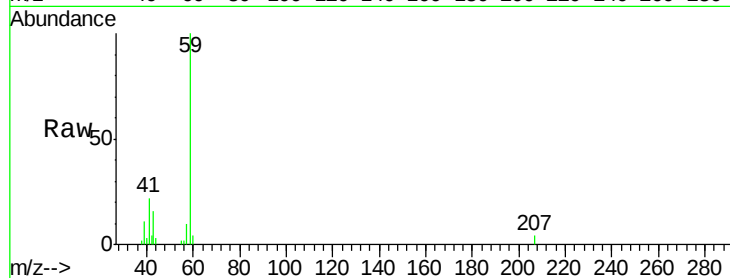
#11
Tert butyl alcohol
Concen: 96.253 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN060374.D
Acq: 6 Mar 2020 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0306WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.2

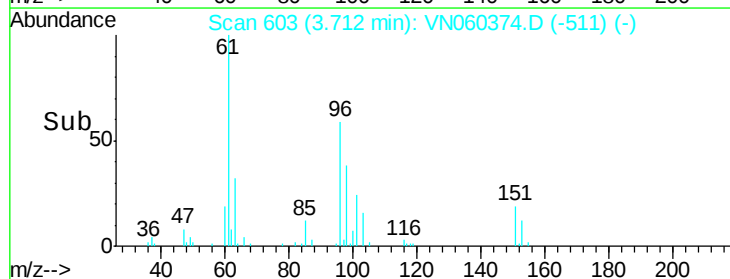
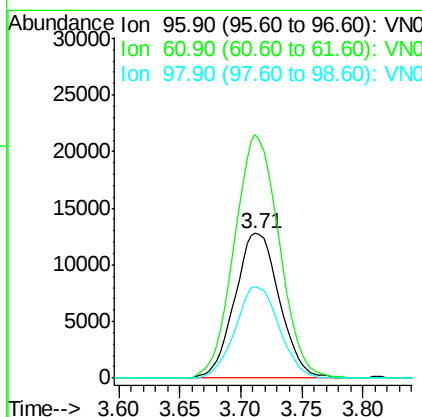
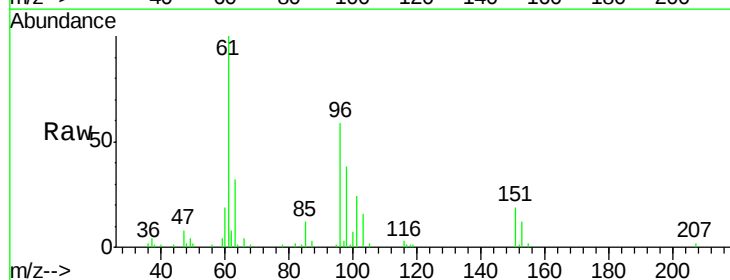
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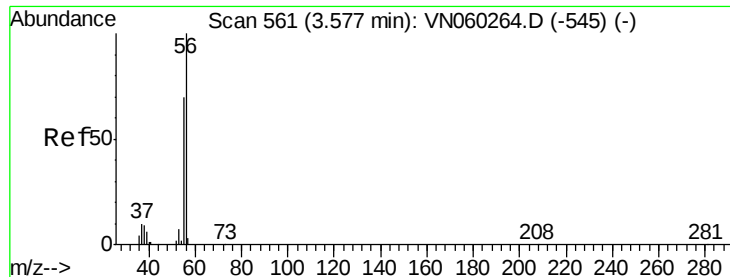
MMDadoda
3/9/2020 11:41:29 AM



#12
1,1-Dichloroethene
Concen: 17.721 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060374.D
Acq: 6 Mar 2020 12:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.3	135.4	203.0
98	63.3	51.6	77.4





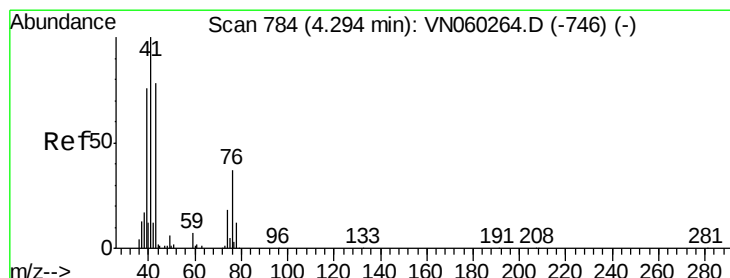
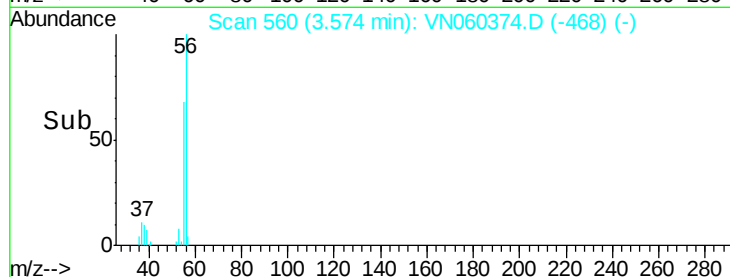
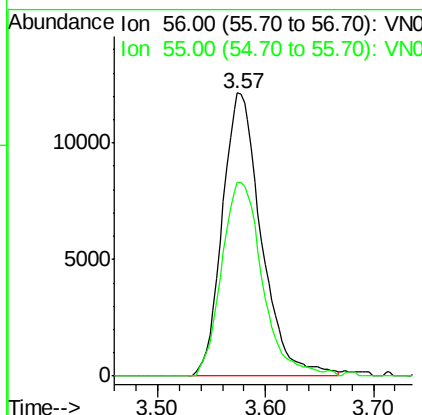
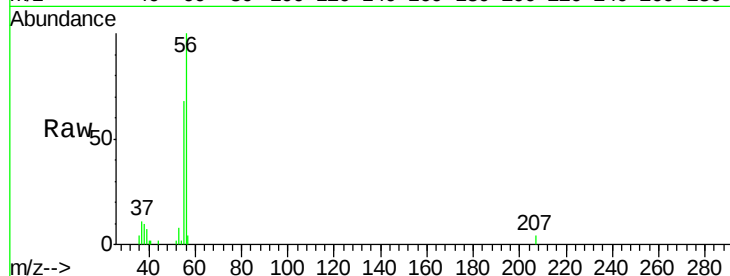
#13
Acrolein
Concen: 90.702 ug/l
RT: 3.57 min Scan# 560
Delta R.T. -0.00 min
Lab File: VN060374.D
Acq: 6 Mar 2020 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0306WBSD01

Tot Ion	56	Resp	30564
Ion Ratio	Lower	Upper	
56	100		
55	71.0	57.4	86.0

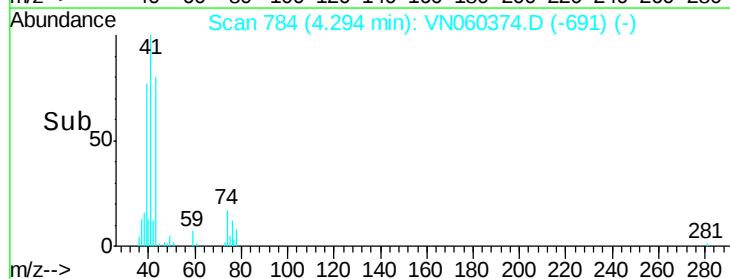
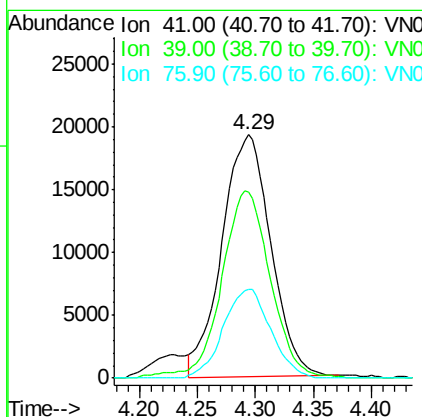
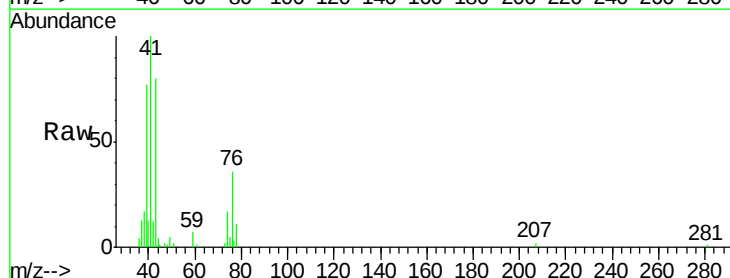
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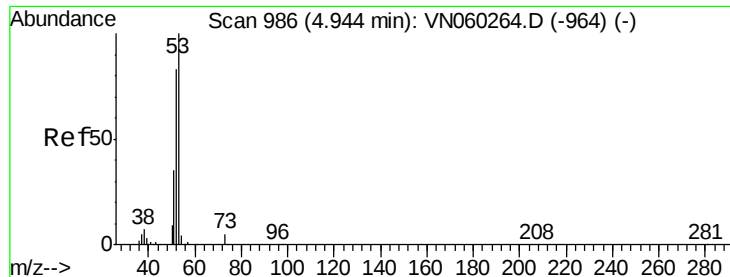
MMDadoda
3/9/2020 11:41:29 AM



#14
Allyl chloride
Concen: 16.788 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN060374.D
Acq: 6 Mar 2020 12:49

Tgt Ion	41	Resp	56381
Ion Ratio	Lower	Upper	
41	100		
39	77.1	55.4	83.2
76	35.5	27.0	40.6





#15

Acrylonitrile

Concen: 96.056 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.00 min

Lab File: VN060374.D

Acq: 6 Mar 2020 12:49

Instrument :

MSVOA_N

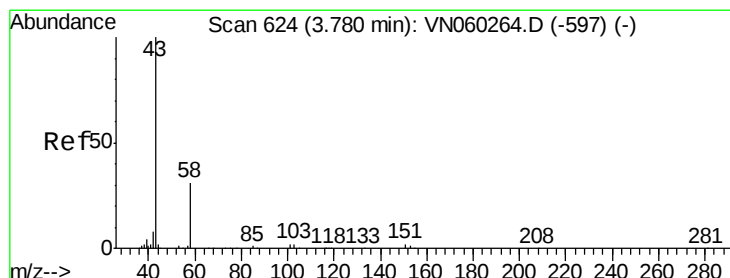
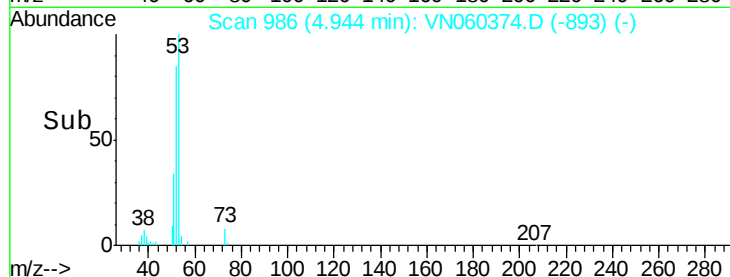
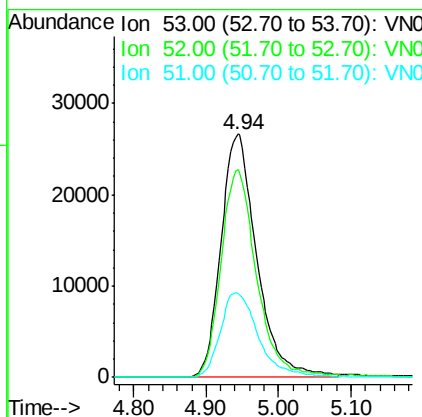
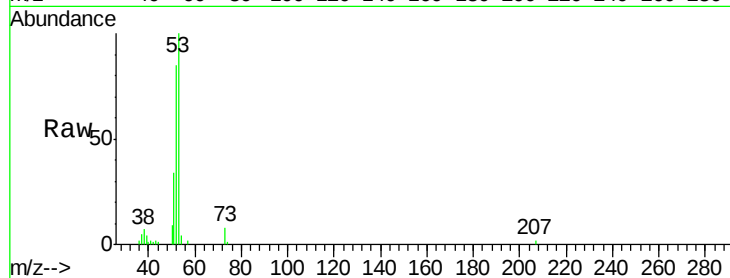
ClientSampled :

VN0306WBSD01

Tot Ion:	53	Resp:	91452
Ion	Ratio	Lower	Upper
53	100		
52	84.4	66.8	100.2
51	36.8	29.0	43.6

Manual Integrations
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3/9/2020 11:41:29 AM



#16

Acetone

Concen: 95.868 ug/l

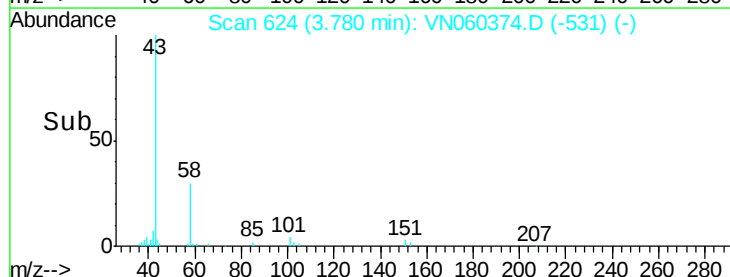
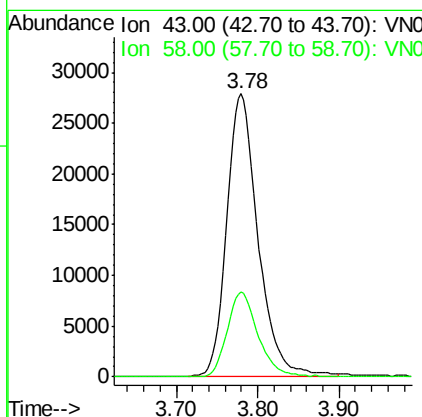
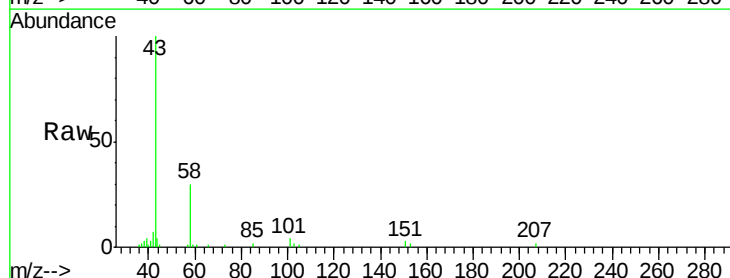
RT: 3.78 min Scan# 624

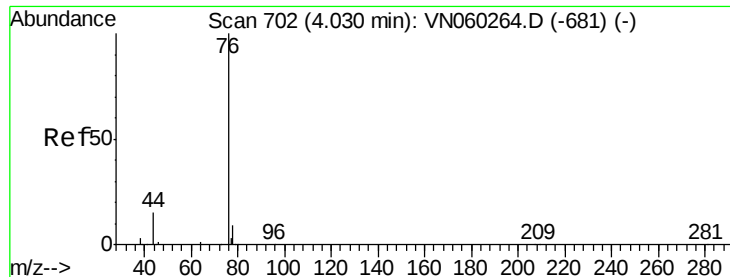
Delta R.T. -0.00 min

Lab File: VN060374.D

Acq: 6 Mar 2020 12:49

Tgt Ion:	43	Resp:	75309
Ion	Ratio	Lower	Upper
43	100		
58	30.0	24.6	36.8





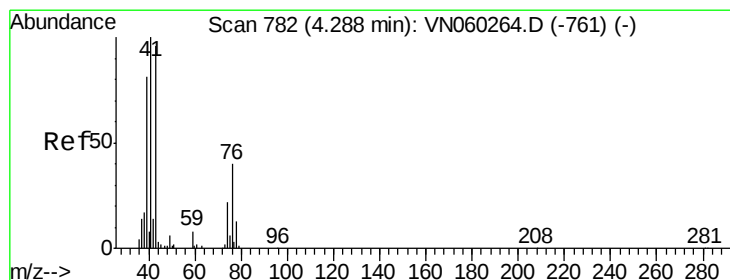
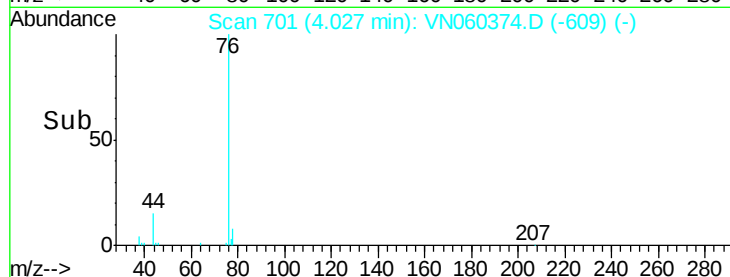
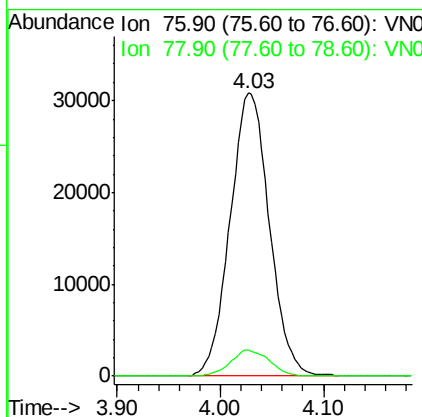
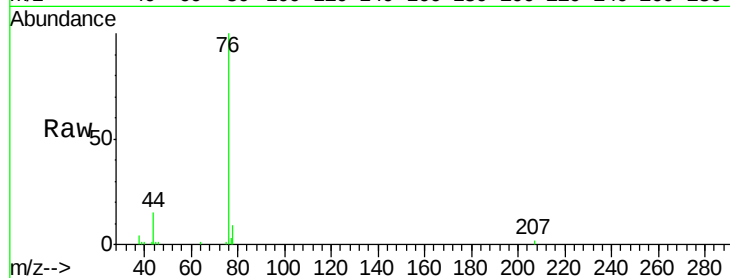
#17
Carbon Disulfide
Concen: 16.422 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060374.D
Acq: 6 Mar 2020 12:49

Instrument :
MSVOA_N
ClientSampled :
VN0306WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.0

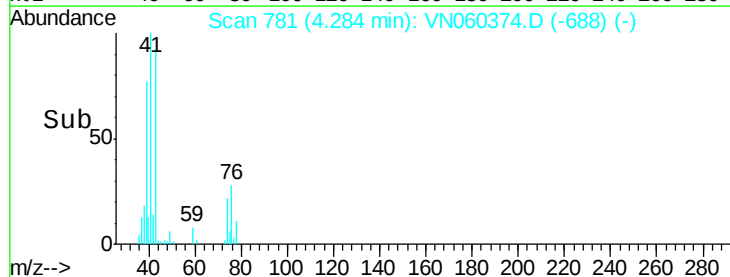
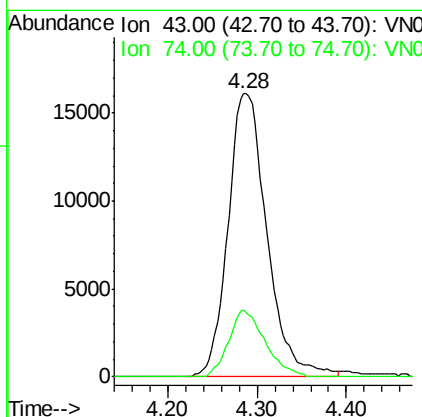
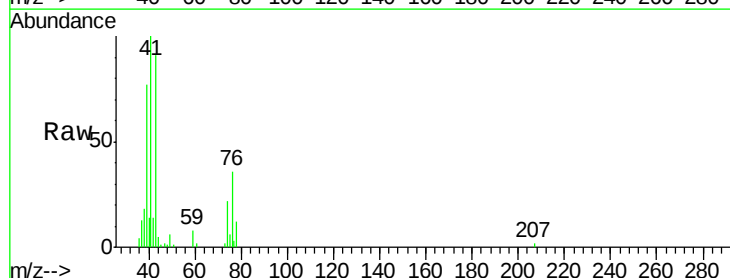
Manual Integrations
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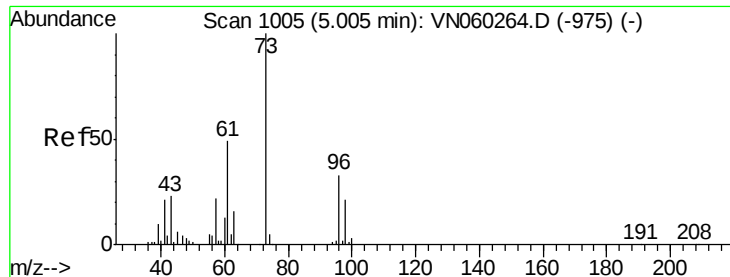
MMDadoda
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#18
Methyl Acetate
Concen: 18.605 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060374.D
Acq: 6 Mar 2020 12:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.1	18.8	28.2





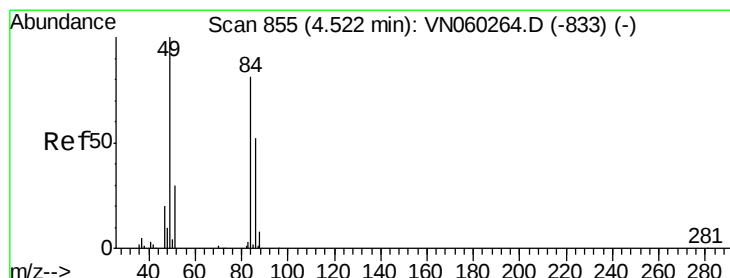
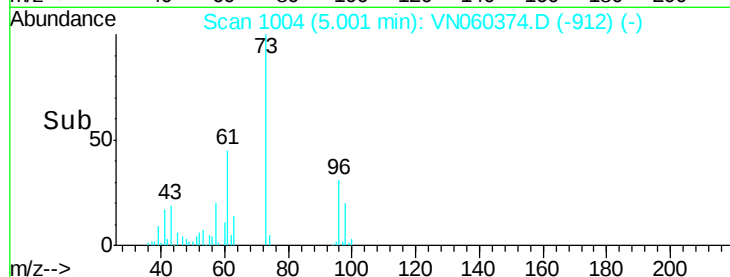
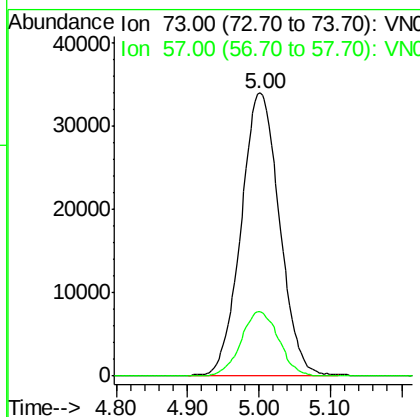
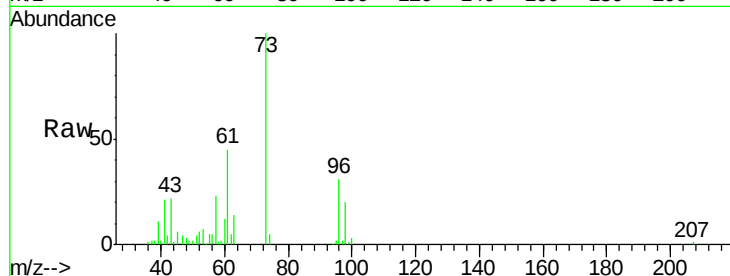
#19
Methvl tert-butvl Ether
Concen: 19.309 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060374.D
Acq: 6 Mar 2020 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0306WBSD01

Tot Ion: 73 Resp: 127695
Ion Ratio Lower Upper
73 100
57 22.6 17.3 25.9

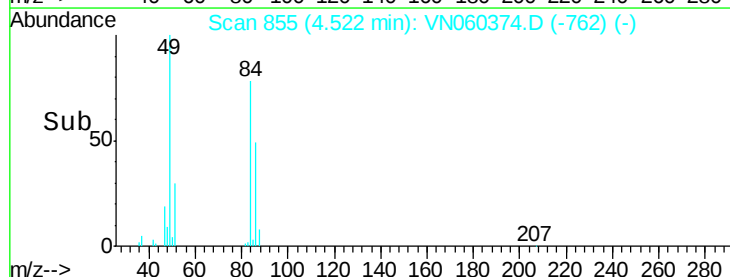
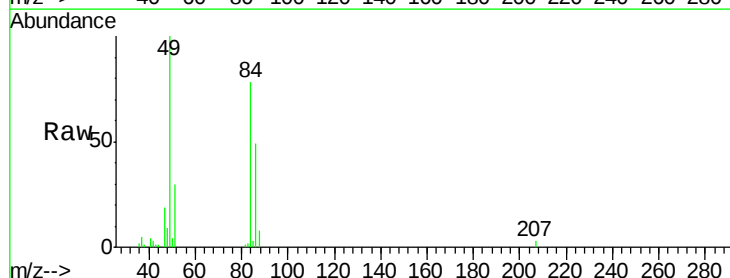
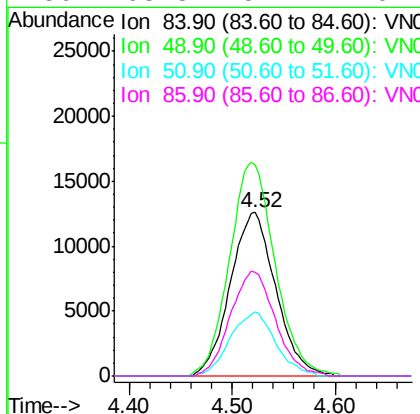
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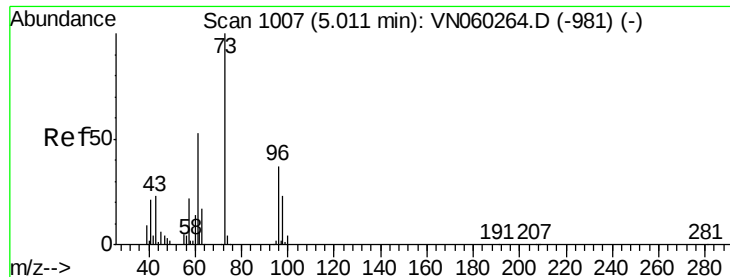
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#20
Methylene Chloride
Concen: 17.922 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060374.D
Acq: 6 Mar 2020 12:49

Tgt Ion: 84 Resp: 38665
Ion Ratio Lower Upper
84 100
49 128.9 99.3 148.9
51 39.2 30.1 45.1
86 63.8 51.1 76.7





#21

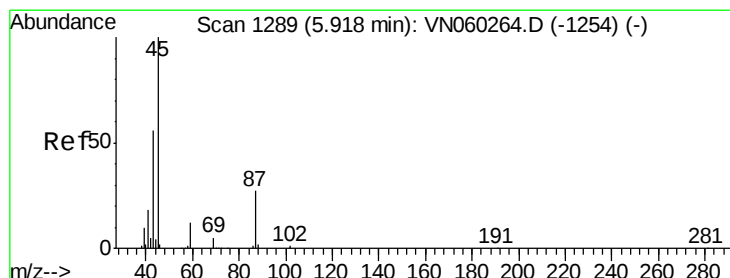
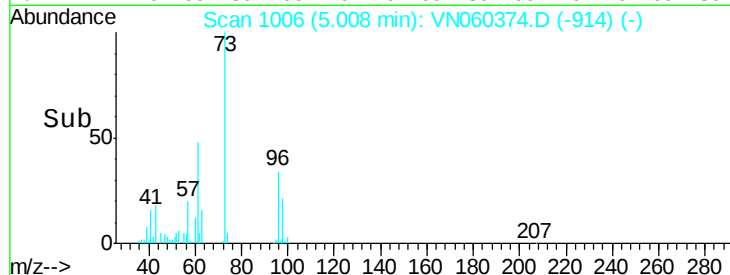
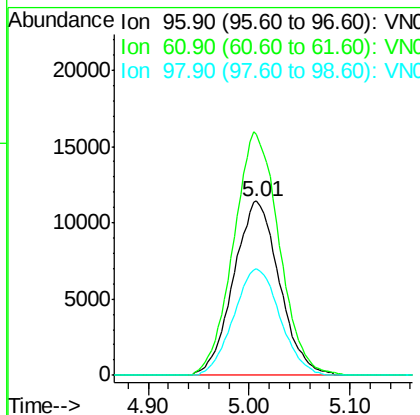
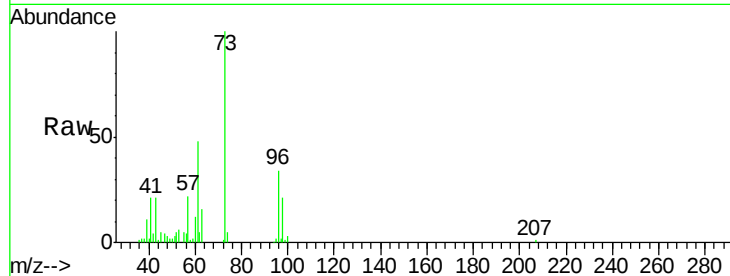
trans-1,2-Dichloroethene
Concen: 18.114 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060374.D
Acq: 6 Mar 2020 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0306WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.8	113.8	170.8
98	61.0	48.8	73.2

Manual Integrations
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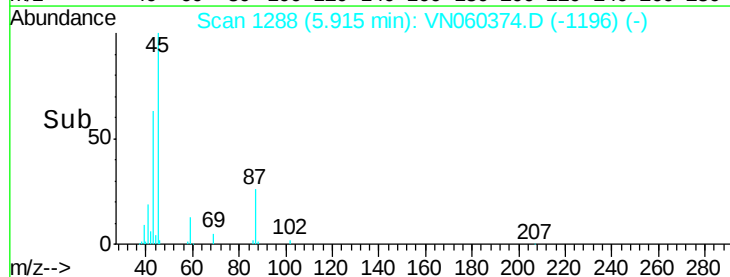
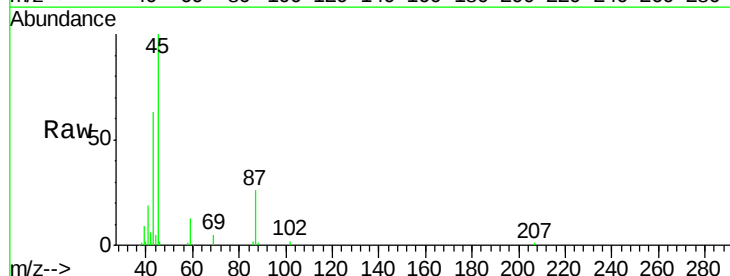
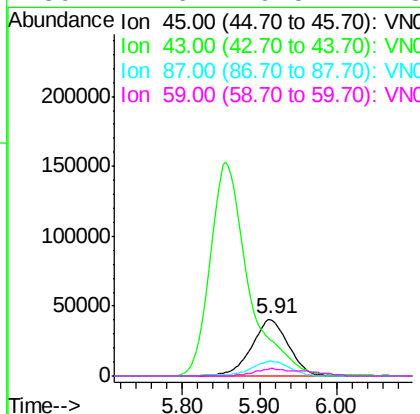
MMDadoda
3/9/2020 11:41:29 AM

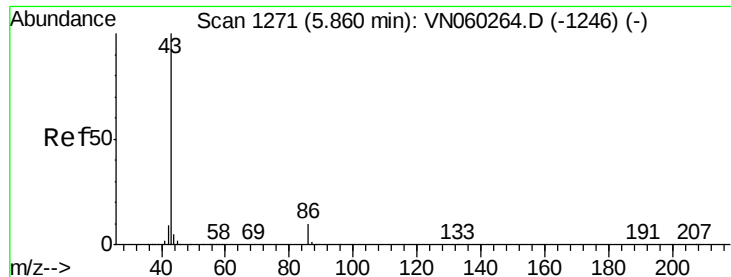


#22

Diisopropyl ether
Concen: 19.689 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060374.D
Acq: 6 Mar 2020 12:49

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.1	48.6	72.8
87	26.2	22.2	33.2
59	12.6	9.5	14.3





#23

Vinyl Acetate

Concen: 97.430 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060374.D

Acq: 6 Mar 2020 12:49

Instrument :

MSVOA_N

ClientSampled :

VN0306WBSD01

Tot Ion: 43 Resp: 526687

Ion Ratio Lower Upper

43 100

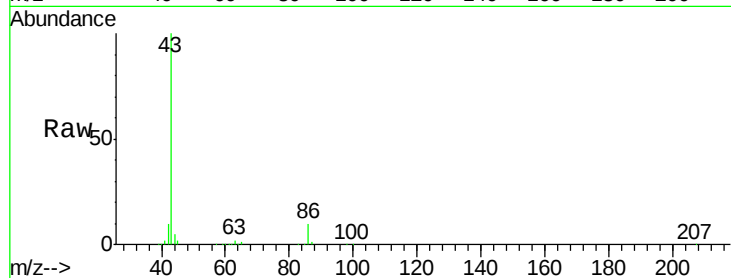
86 9.6 8.0 12.0

Manual Integrations

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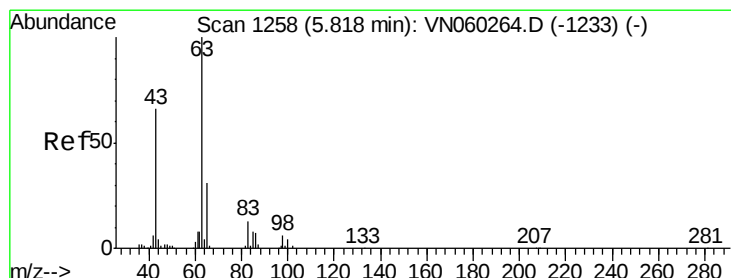
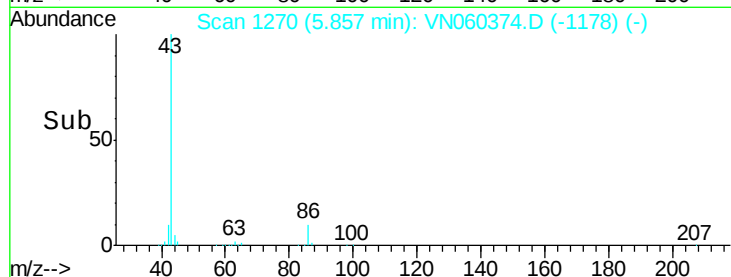
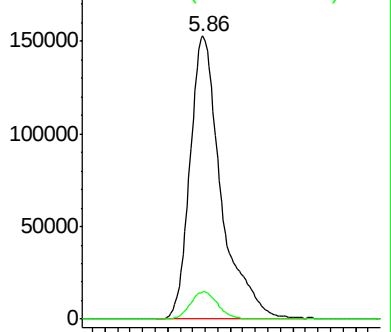
MMDadoda

3/9/2020 11:41:29 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.830 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060374.D

Acq: 6 Mar 2020 12:49

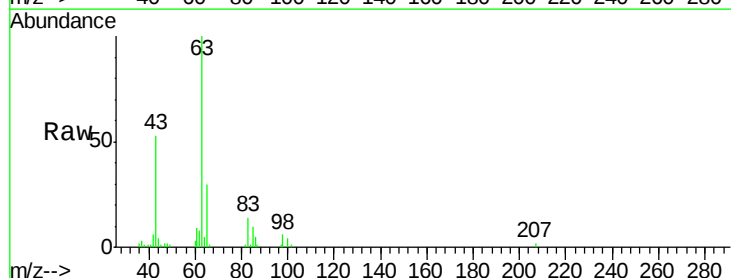
Tgt Ion: 63 Resp: 72513

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.0

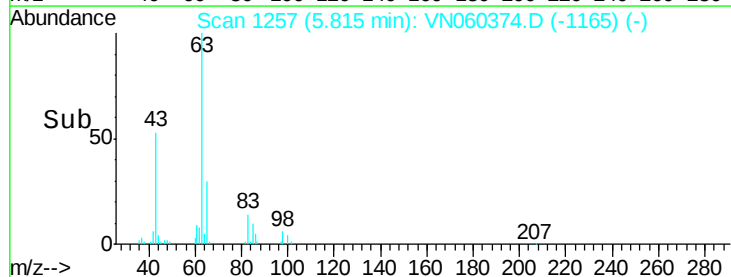
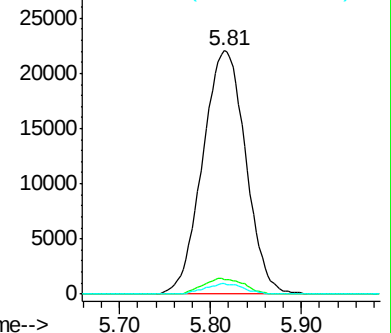
100 4.2 2.0 6.0

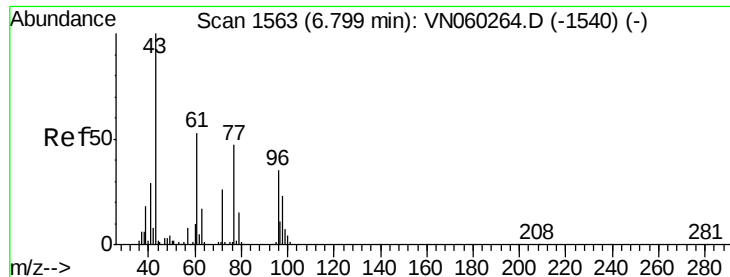


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





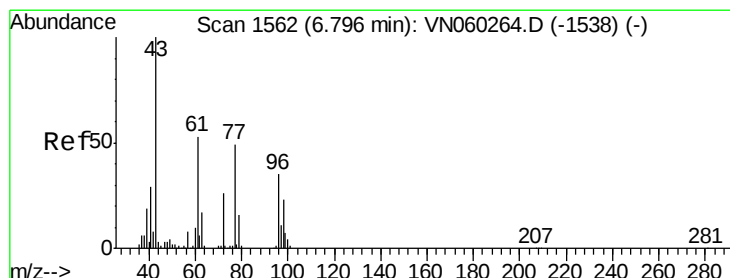
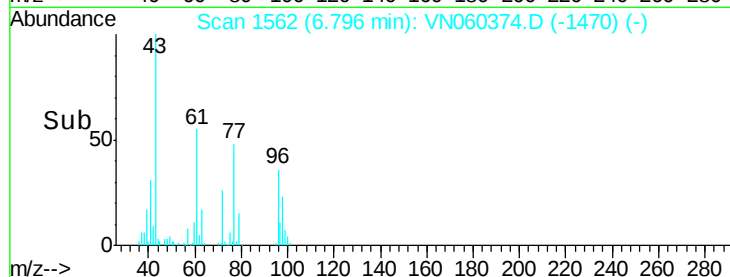
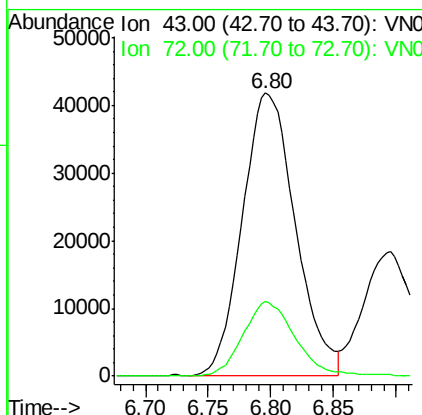
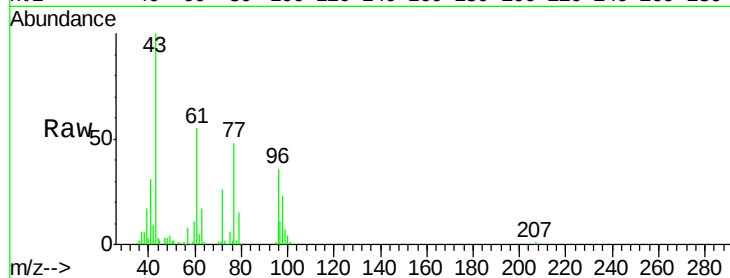
#25
2-Butanone
Concen: 97.347 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN060374.D
Acq: 6 Mar 2020 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0306WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
72	26.2	20.9	31.3

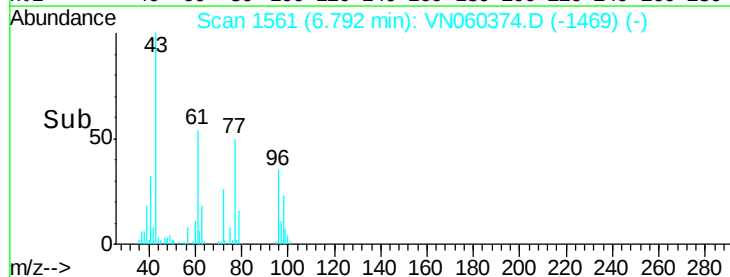
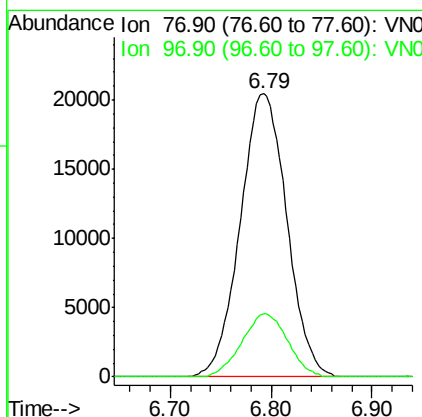
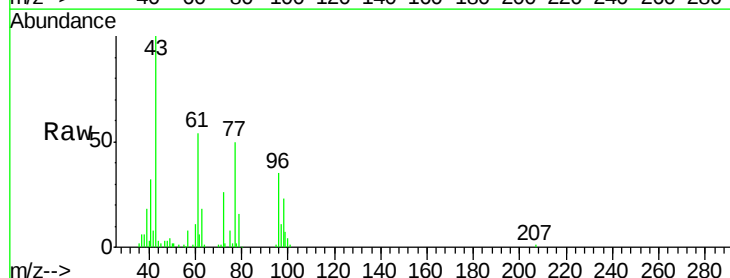
Manual Integrations
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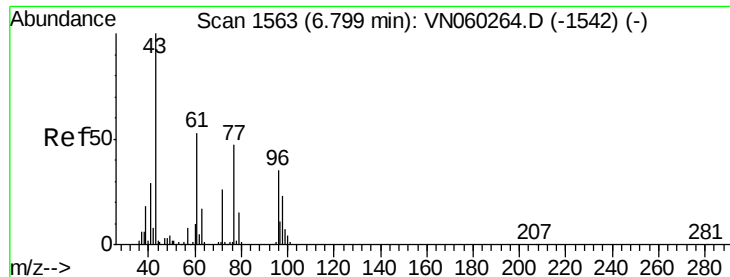
MMDadoda
3/9/2020 11:41:29 AM



#26
2,2-Dichloropropane
Concen: 18.709 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060374.D
Acq: 6 Mar 2020 12:49

Tgt Ion	Ratio	Lower	Upper
77	100		
97	21.8	11.2	33.6





#27

cis-1,2-Dichloroethene

Concen: 17.658 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060374.D

Acq: 6 Mar 2020 12:49

Instrument :

MSVOA_N

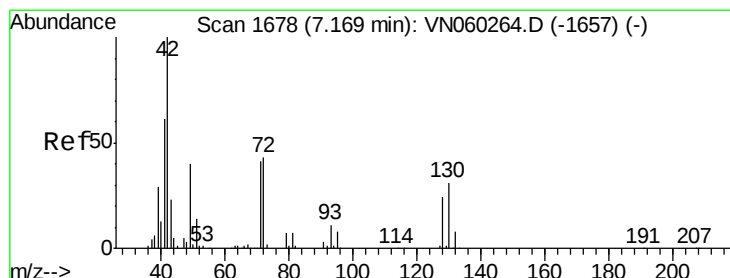
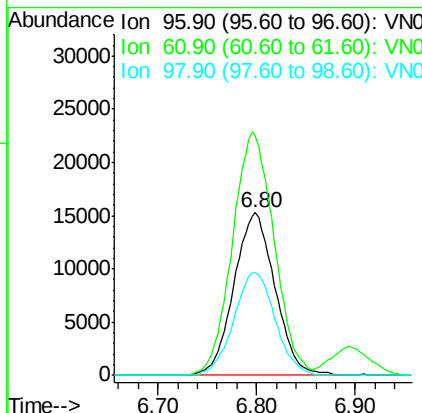
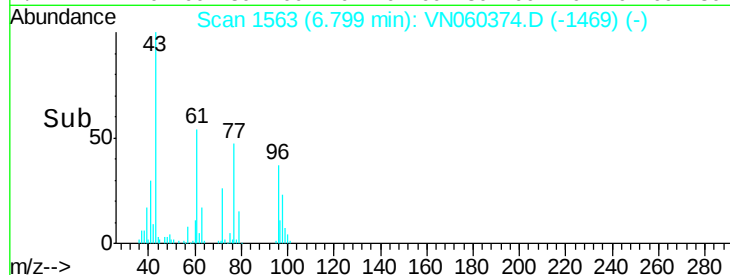
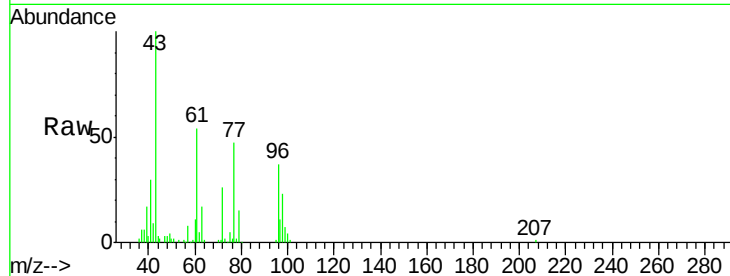
ClientSampleId :

VN0306WBSD01

Tot Ion:	96	Resp:	44172
Ion	Ratio	Lower	Upper
96	100		
61	151.3	0.0	300.8
98	63.4	0.0	128.2

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#28

Bromochloromethane

Concen: 18.365 ug/l

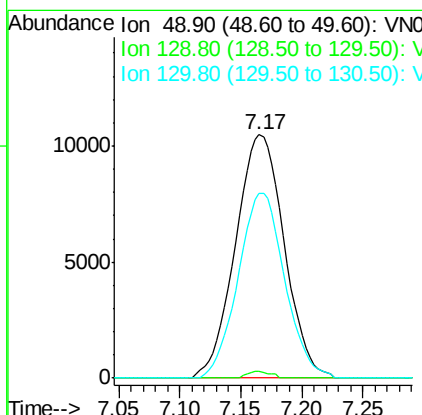
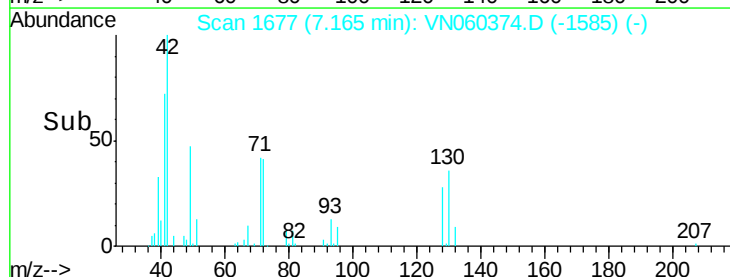
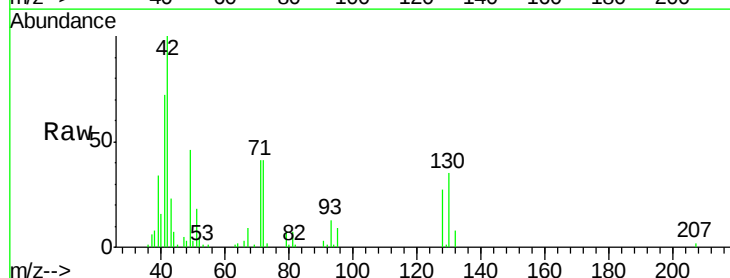
RT: 7.17 min Scan# 1677

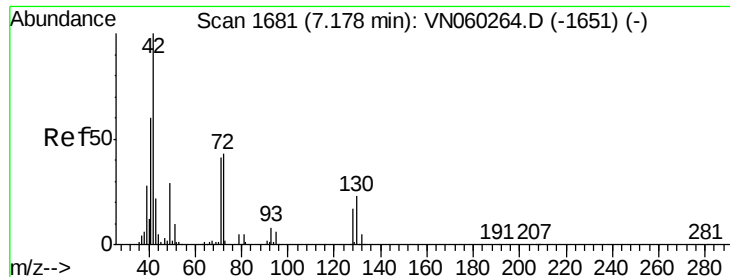
Delta R.T. -0.00 min

Lab File: VN060374.D

Acq: 6 Mar 2020 12:49

Tgt Ion:	49	Resp:	29036
Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.8
130	72.5	59.8	89.8





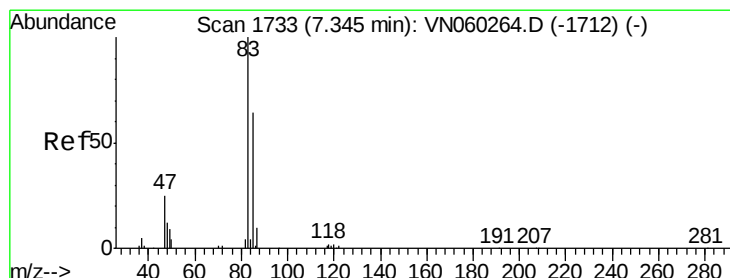
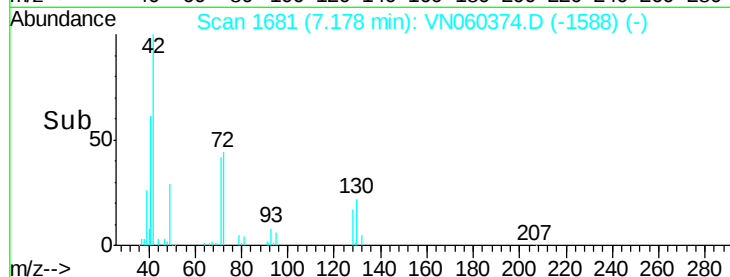
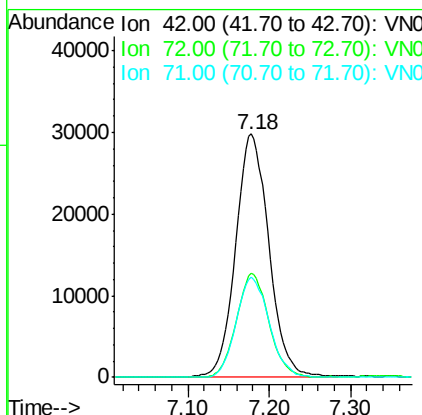
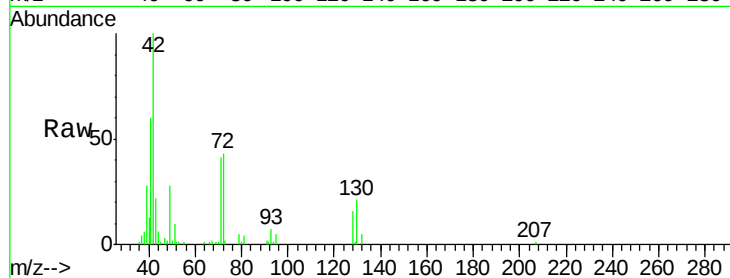
#29
Tetrahydrofuran
Concen: 95.640 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060374.D
Acq: 6 Mar 2020 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0306WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	34.6	52.0
71	40.6	32.9	49.3

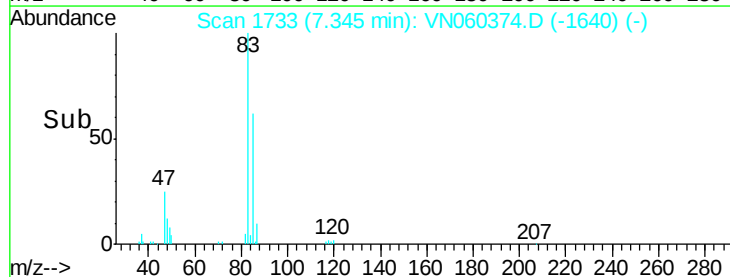
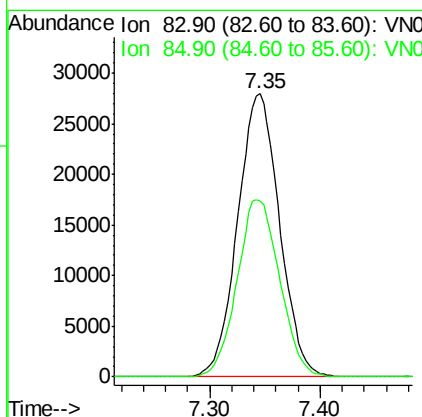
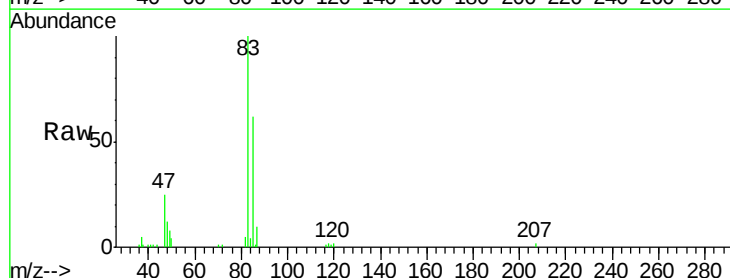
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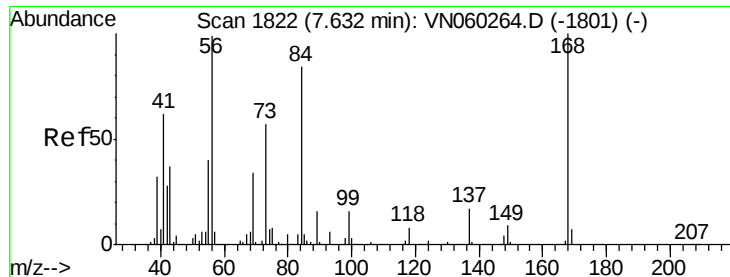
MMDadoda
3/9/2020 11:41:29 AM



#30
Chloroform
Concen: 19.143 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060374.D
Acq: 6 Mar 2020 12:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.4	77.2





#31

Cyclohexane

Concen: 18.414 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060374.D

Acq: 6 Mar 2020 12:49

Instrument :

MSVOA_N

ClientSampled :

VN0306WBSD01

Tot Ion: 56 Resp: 63295

Ion Ratio Lower Upper

56 100

69 39.5 27.2 40.8

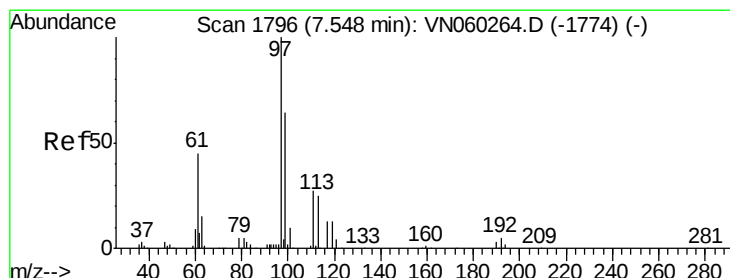
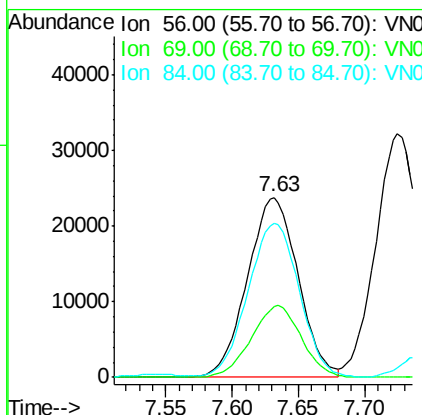
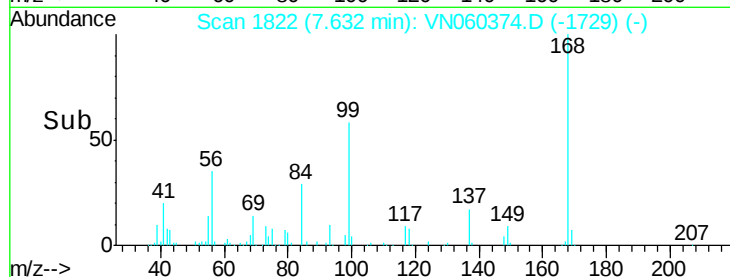
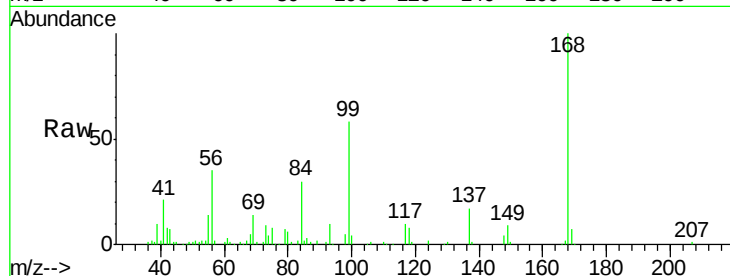
84 84.8 66.7 100.1

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#32

1,1,1-Trichloroethane

Concen: 18.559 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN060374.D

Acq: 6 Mar 2020 12:49

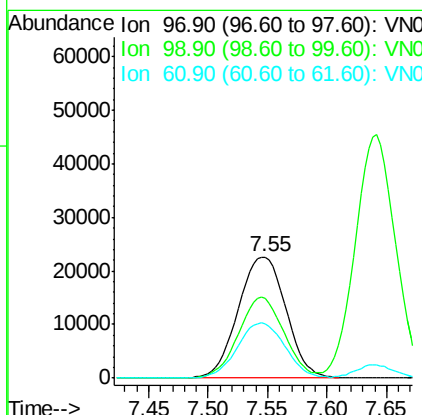
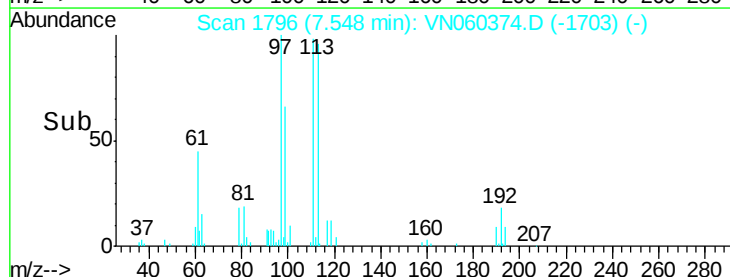
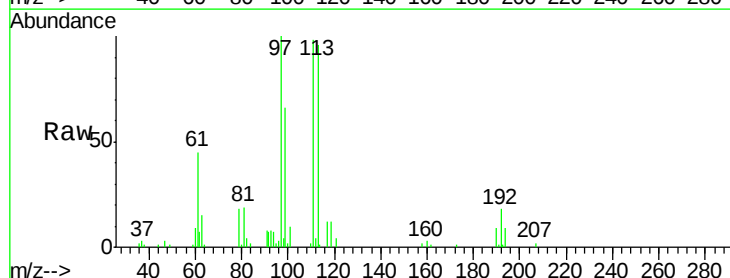
Tgt Ion: 97 Resp: 63037

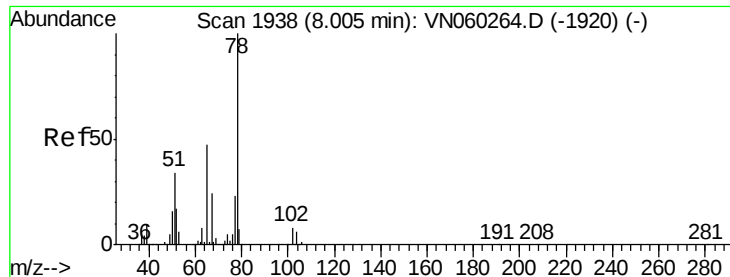
Ion Ratio Lower Upper

97 100

99 63.8 51.4 77.0

61 45.5 36.6 55.0





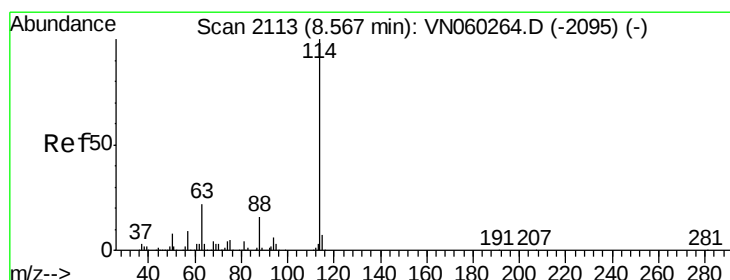
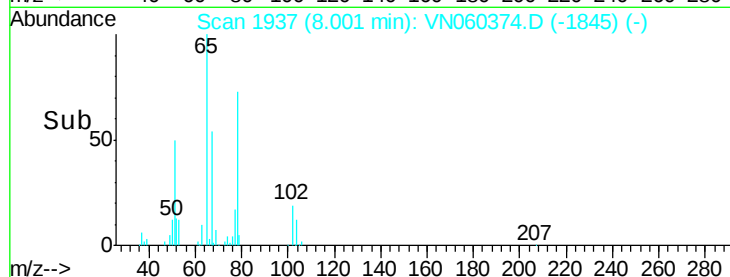
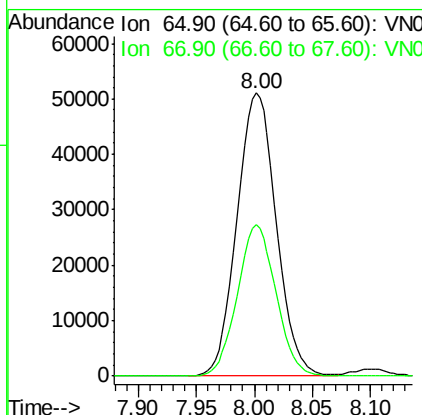
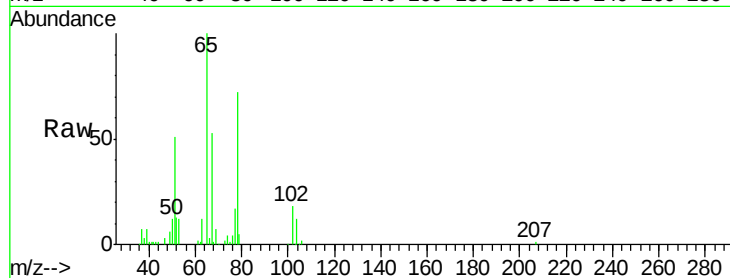
#33
 1,2-Dichloroethane-d4
 Concen: 49.524 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060374.D
 Acq: 6 Mar 2020 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0306WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.3	0.0	103.8	

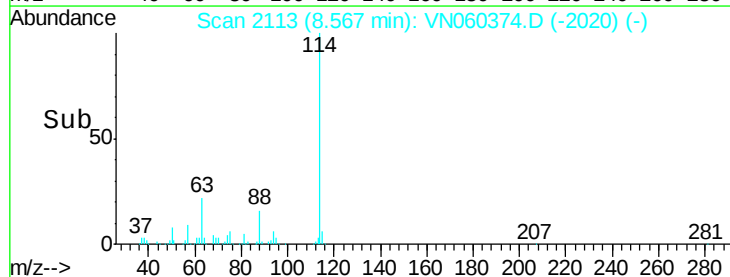
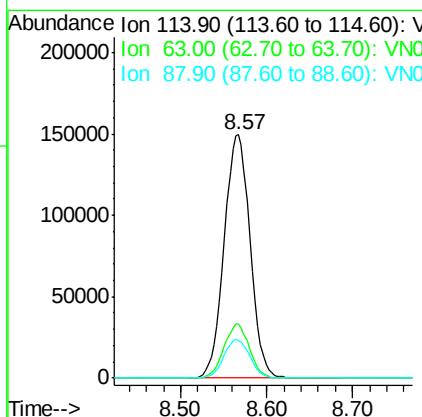
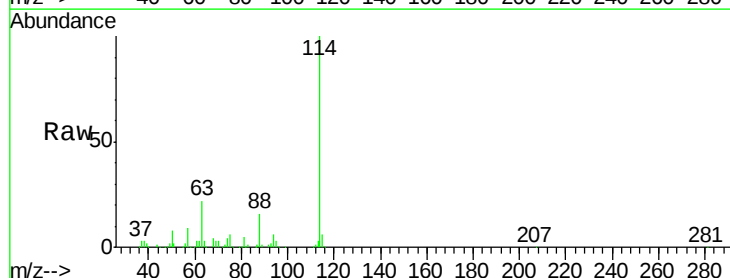
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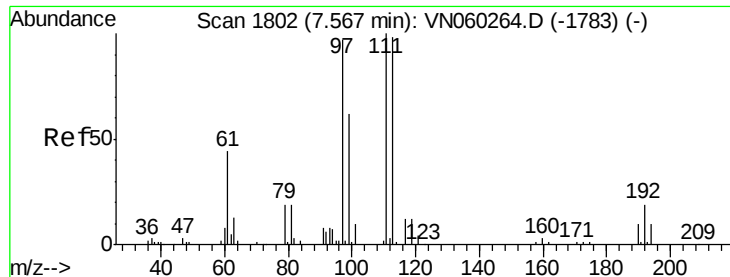
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 3/9/2020 11:41:29 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060374.D
 Acq: 6 Mar 2020 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.1	0.0	43.2	
88	15.6	0.0	31.6	





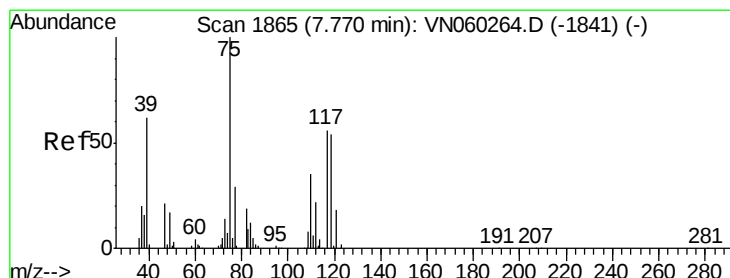
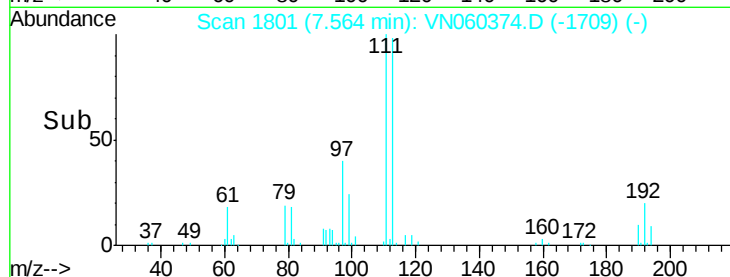
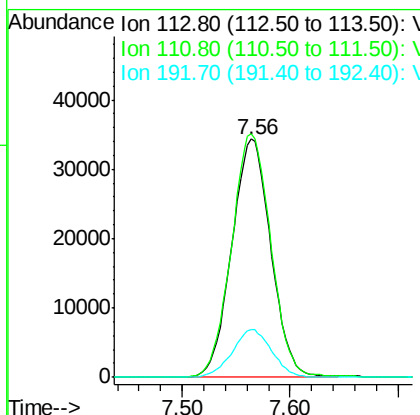
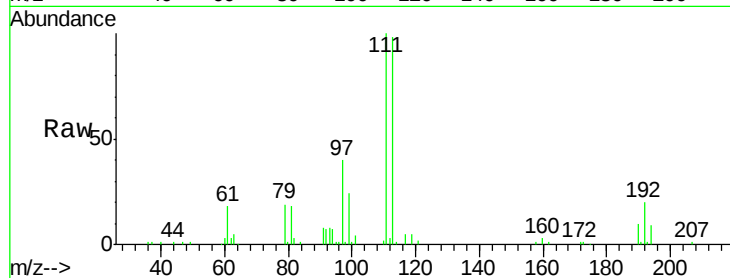
#35
Dibromofluoromethane
Concen: 59.599 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN060374.D
Acq: 6 Mar 2020 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0306WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.4	123.6
192	20.1	16.2	24.2

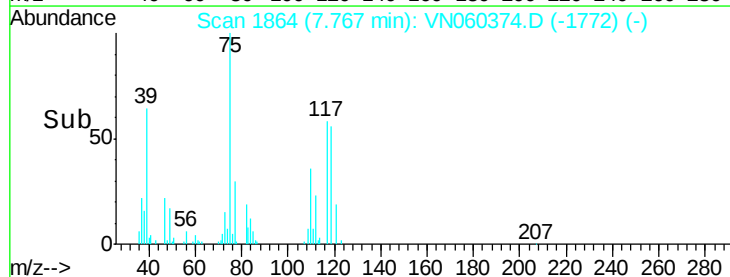
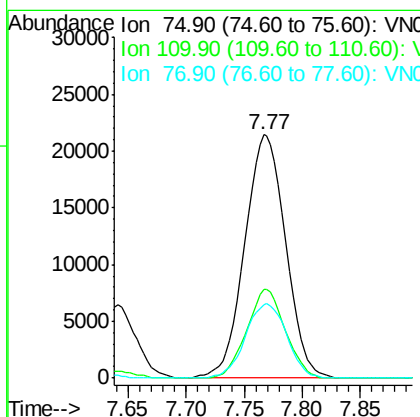
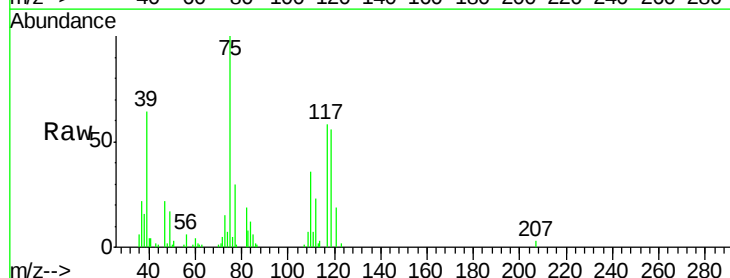
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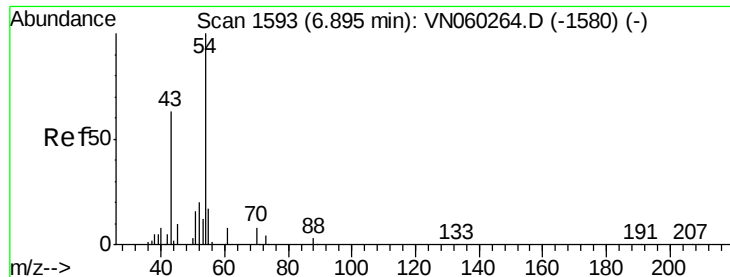
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#36
1,1-Dichloropropene
Concen: 17.633 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN060374.D
Acq: 6 Mar 2020 12:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.3	17.3	52.0
77	30.7	24.2	36.2





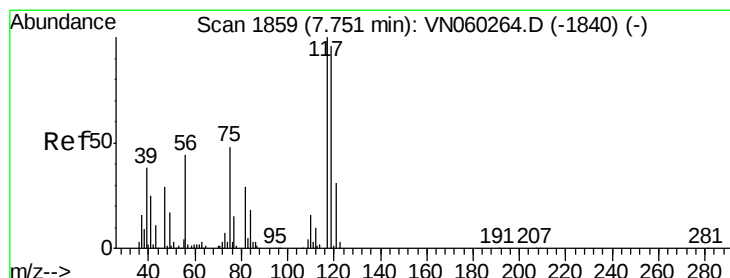
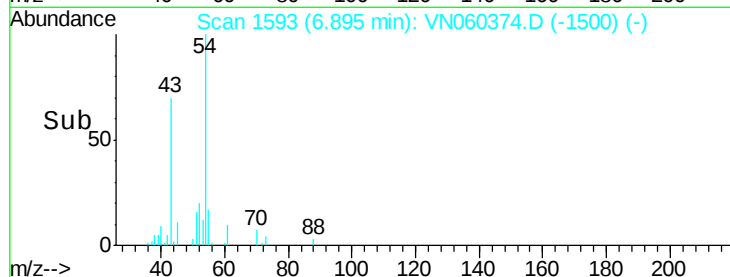
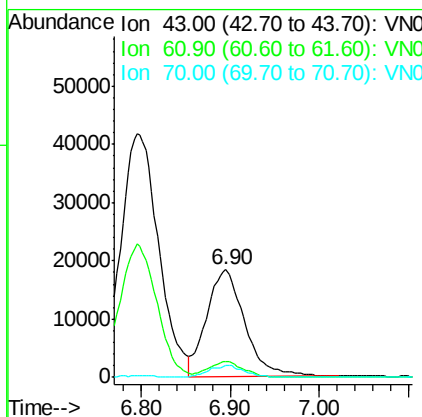
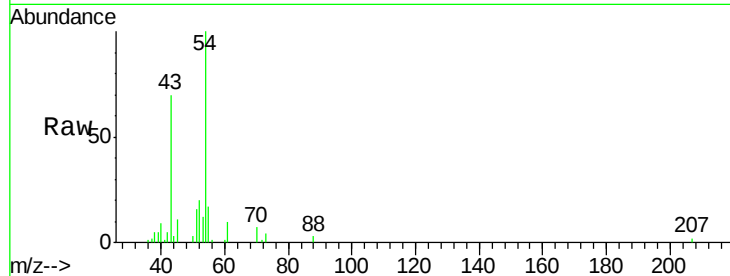
#37
Ethyl Acetate
Concen: 19.182 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.00 min
Lab File: VN060374.D
Acq: 6 Mar 2020 12:49

Instrument :
MSVOA_N
ClientSampled :
VN0306WBSD01

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	13.8	11.1	16.7	
70	10.2	8.4	12.6	

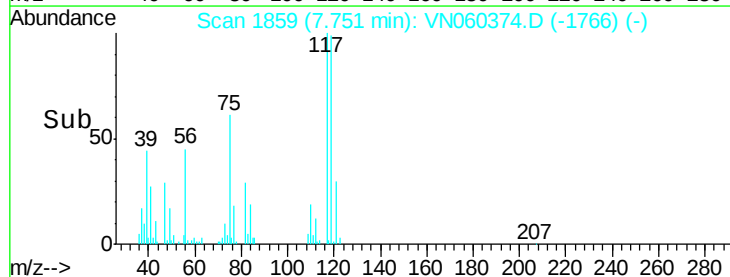
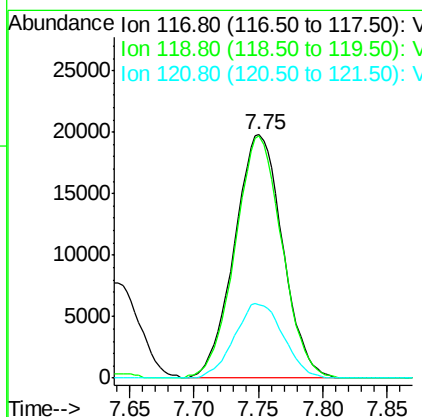
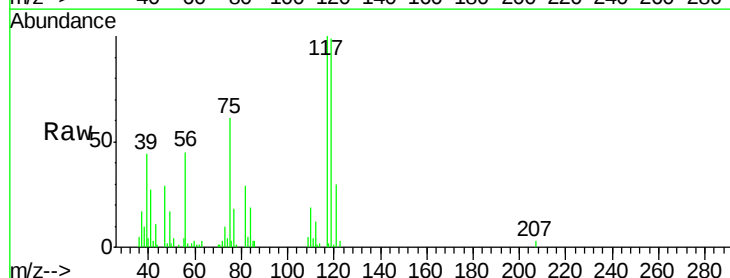
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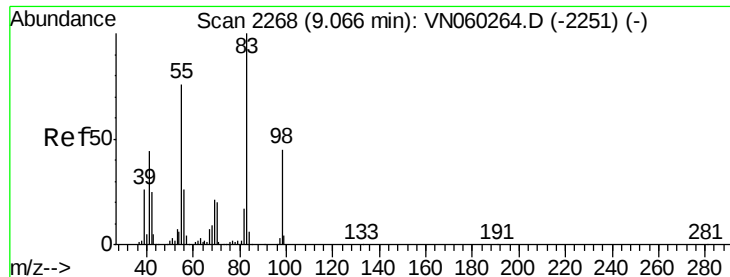
MMDadoda
3/9/2020 11:41:29 AM



#38
Carbon Tetrachloride
Concen: 17.702 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060374.D
Acq: 6 Mar 2020 12:49

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	99.5	76.7	115.1	
121	30.3	24.5	36.7	





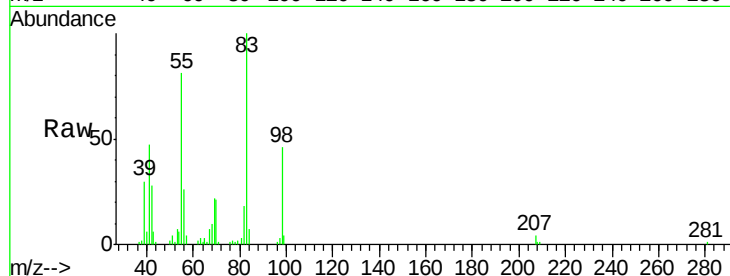
#39
Methvlcvclohexane
Concen: 16.536 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060374.D
Acq: 6 Mar 2020 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0306WBSD01

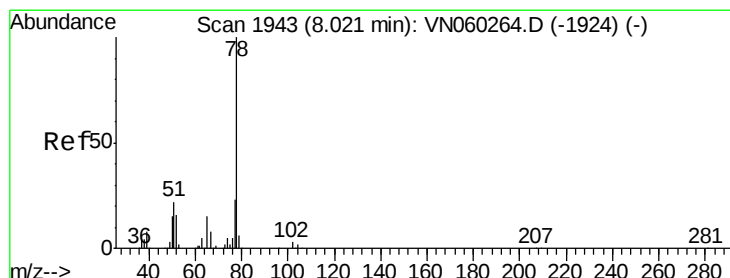
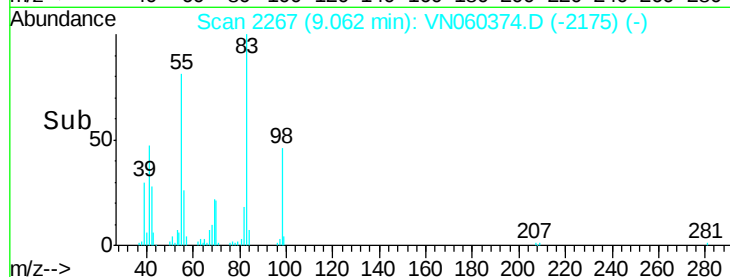
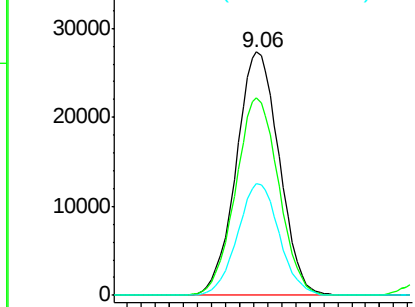
Tot Ion	Ratio	Lower	Upper
83	100		
55	81.1	61.0	91.4
98	45.8	36.1	54.1

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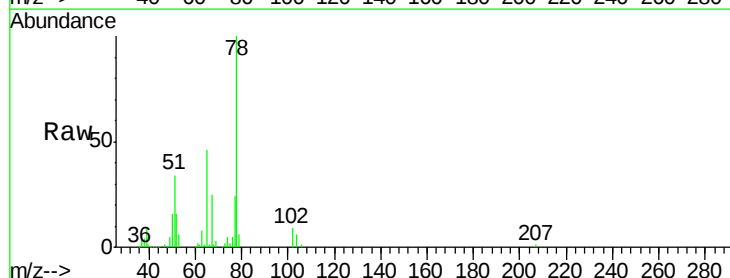


Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 55.00 (54.70 to 55.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

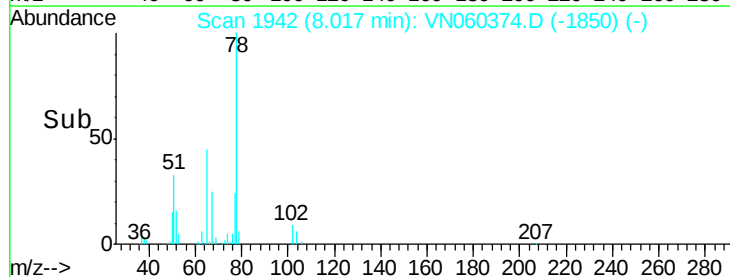
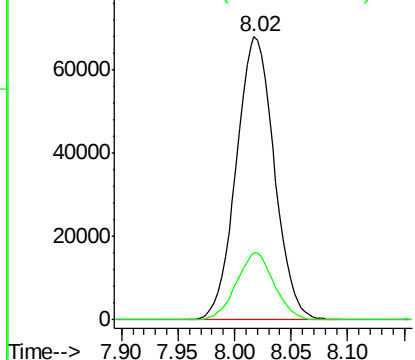


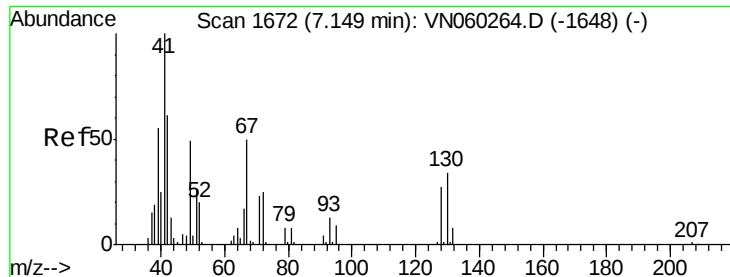
#40
Benzene
Concen: 18.307 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060374.D
Acq: 6 Mar 2020 12:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2



Abundance Ion 78.00 (77.70 to 78.70): VNO
Ion 77.00 (76.70 to 77.70): VNO





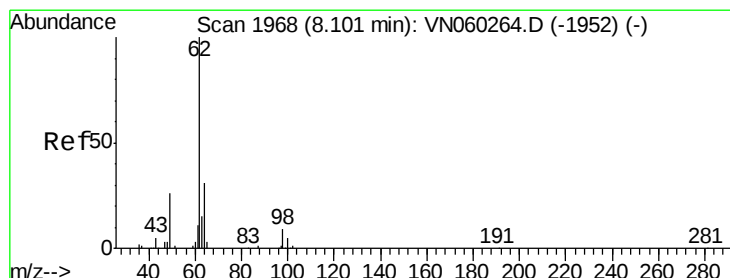
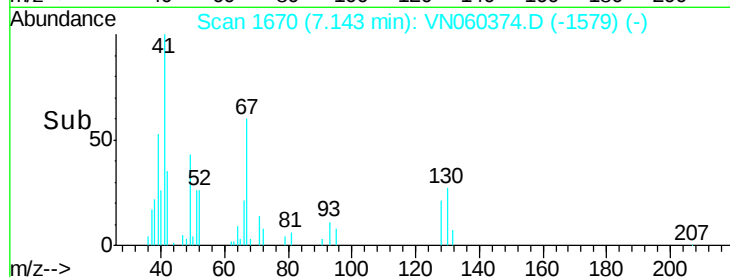
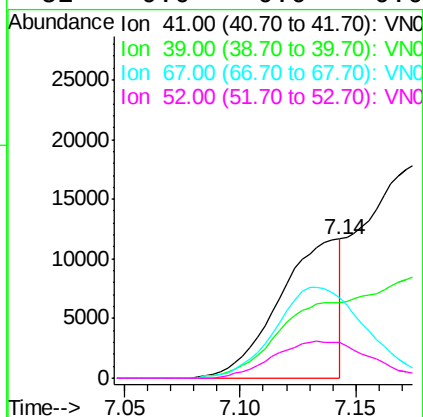
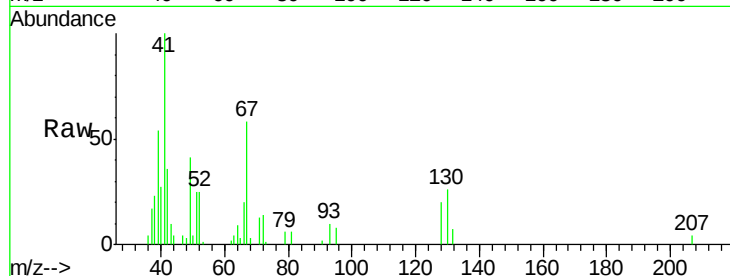
#41
Methacrylonitrile
Concen: 16.422 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VN060374.D
Acq: 6 Mar 2020 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0306WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	185.5	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

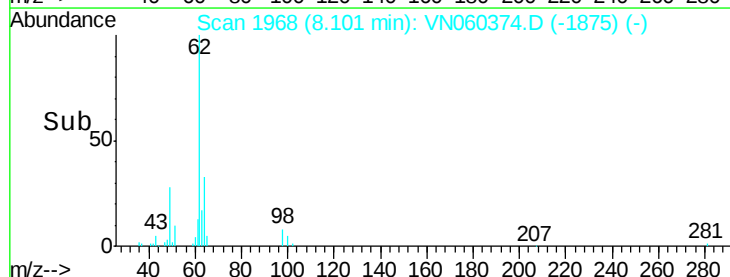
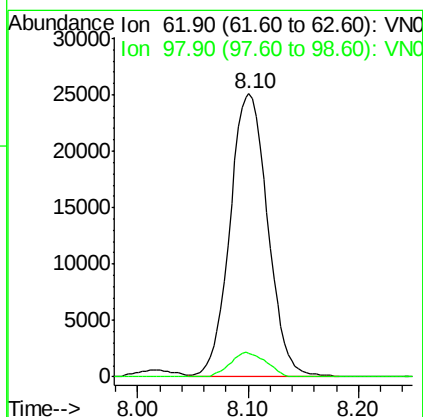
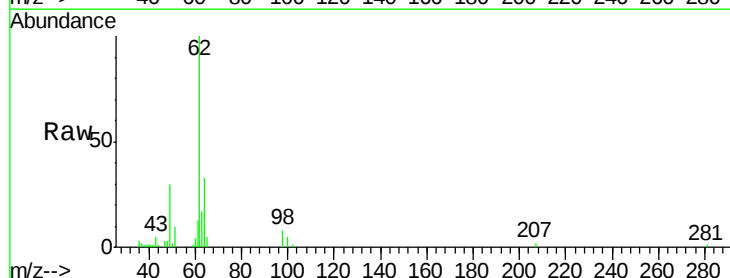
Manual Integrations
APPROVED

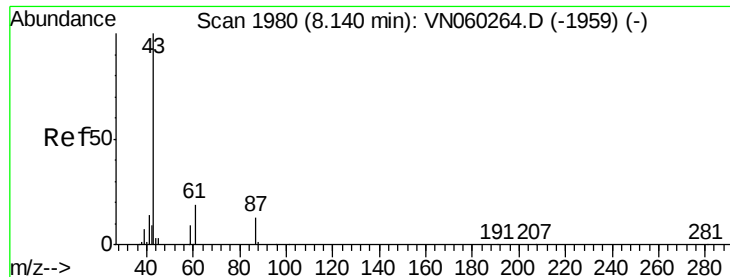
MMDadoda
3/9/2020 11:41:29 AM



#42
1,2-Dichloroethane
Concen: 19.017 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060374.D
Acq: 6 Mar 2020 12:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	8.2	0.0	17.0		





#43

Isopropyl Acetate

Concen: 19.268 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060374.D

Acq: 6 Mar 2020 12:49

Instrument :

MSVOA_N

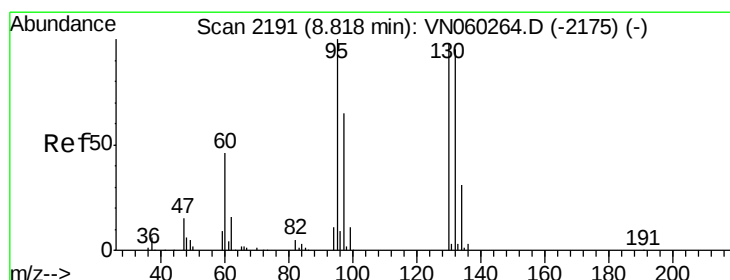
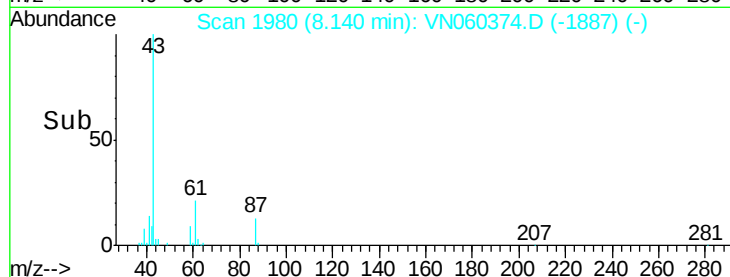
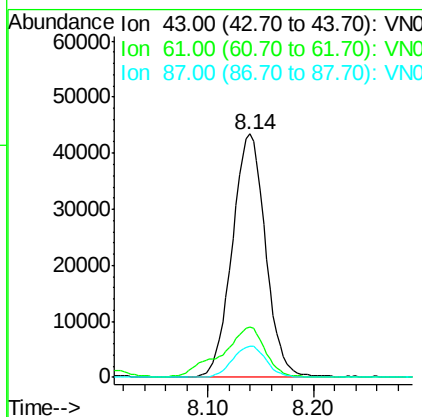
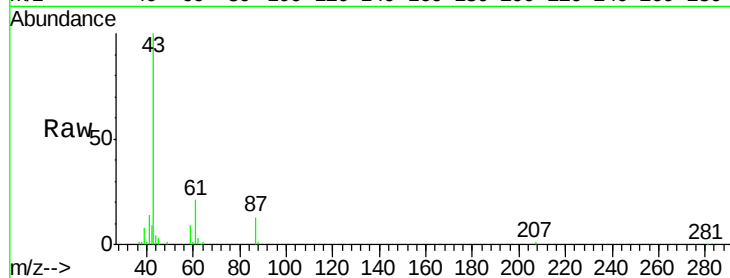
ClientSampleId :

VN0306WBSD01

Tot Ion:	43	Resp:	95315
Ion	Ratio	Lower	Upper
43	100		
61	27.1	20.9	31.3
87	12.8	10.6	16.0

Manual Integrations
APPROVED

MMDadoda
3/9/2020 11:41:29 AM



#44

Trichloroethene

Concen: 17.991 ug/l

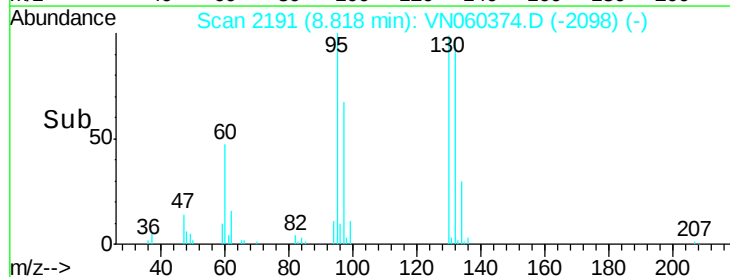
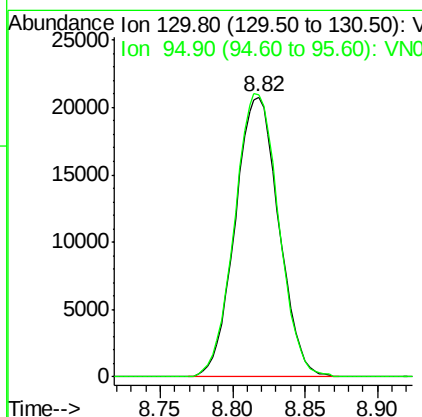
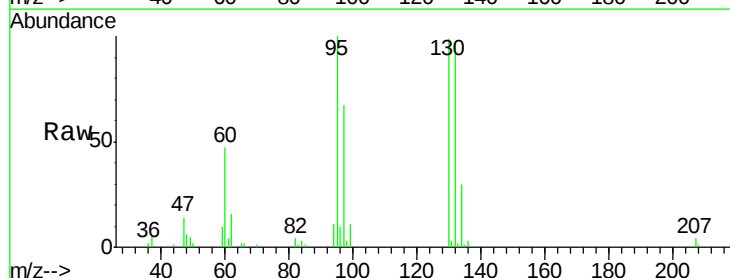
RT: 8.82 min Scan# 2191

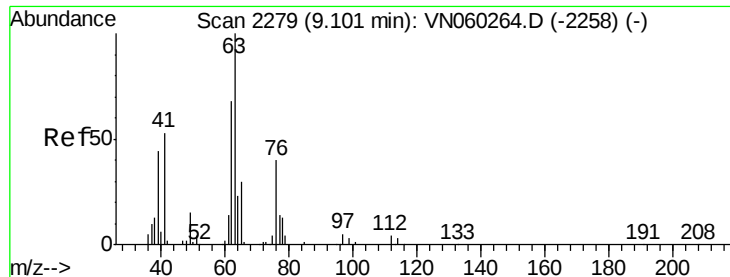
Delta R.T. -0.00 min

Lab File: VN060374.D

Acq: 6 Mar 2020 12:49

Tgt Ion:	130	Resp:	43522
Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	203.4





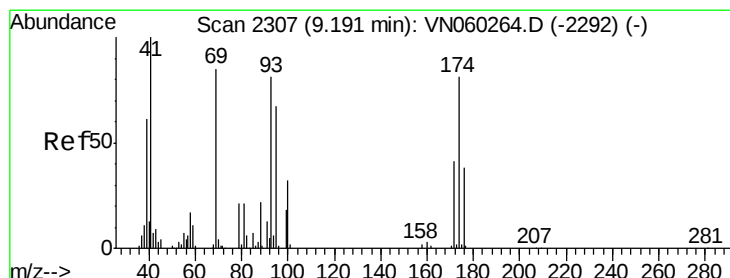
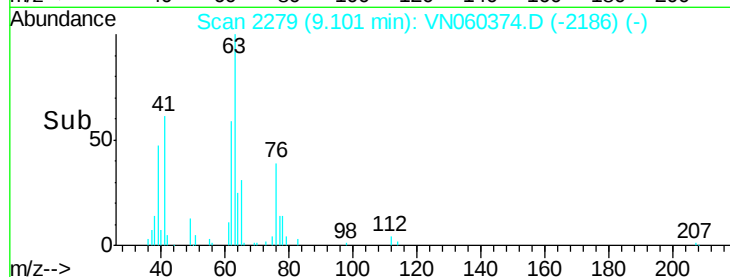
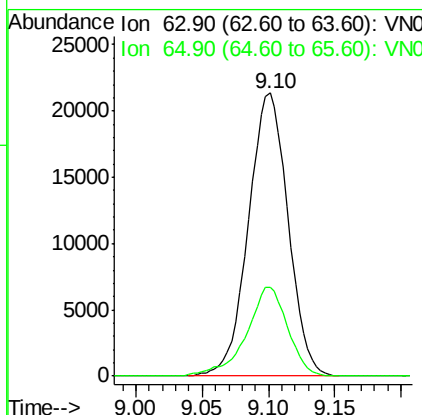
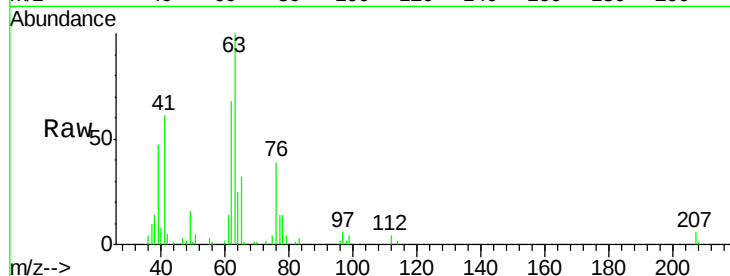
#45
 1,2-Dichloropropane
 Concen: 19.546 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN060374.D
 Acq: 6 Mar 2020 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0306WBSD01

Tot Ion	63	Resp	44387
Ion Ratio	Lower	Upper	
63	100		
65	31.6	24.4	36.6

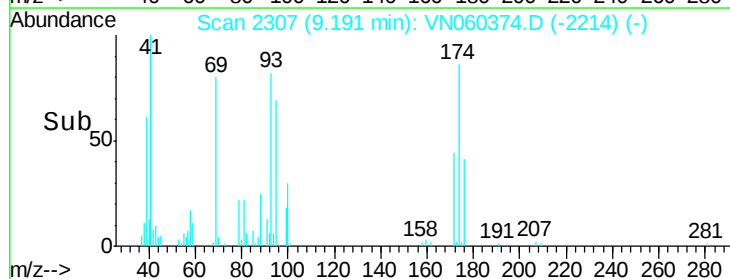
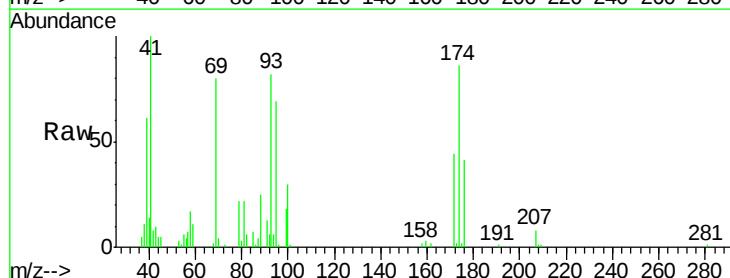
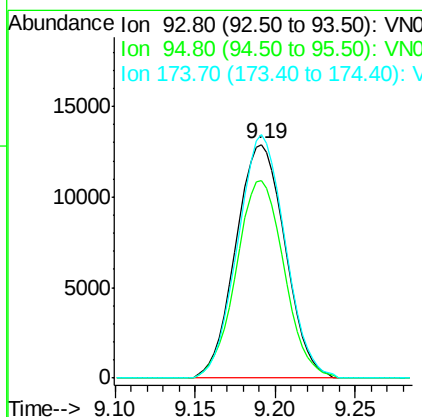
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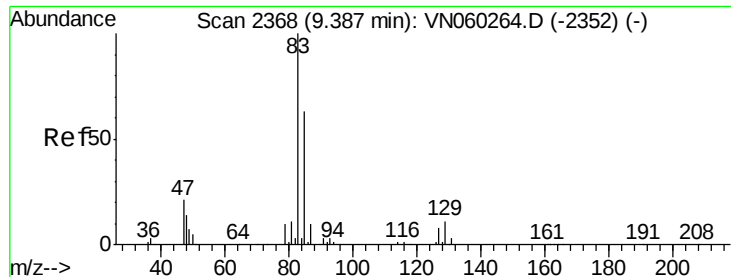
MMDadoda
 3/9/2020 11:41:29 AM



#46
 Dibromomethane
 Concen: 18.481 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN060374.D
 Acq: 6 Mar 2020 12:49

Tgt Ion	93	Resp	27232
Ion Ratio	Lower	Upper	
93	100		
95	82.0	65.9	98.9
174	100.6	79.6	119.4





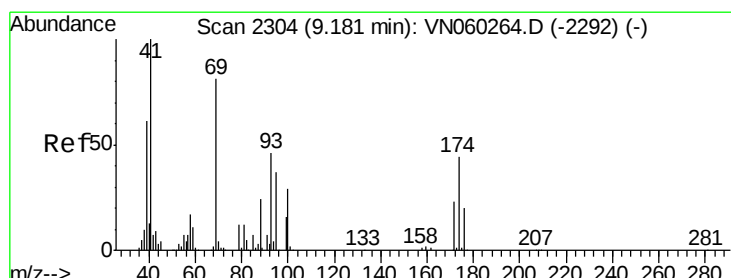
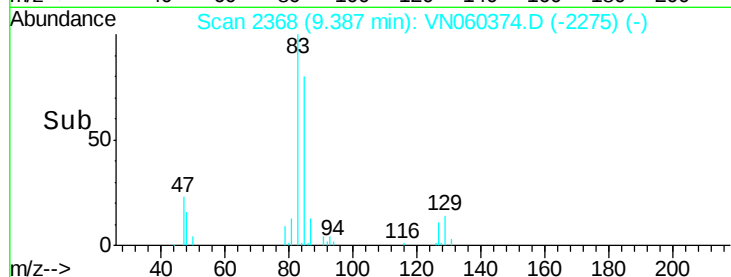
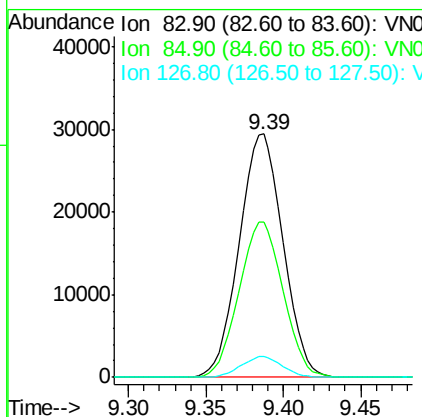
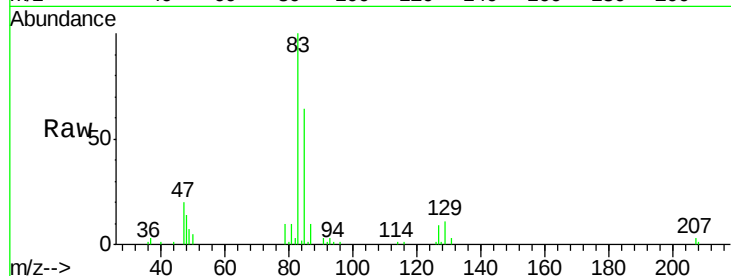
#47
Bromodichloromethane
Concen: 19.348 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN060374.D
Acq: 6 Mar 2020 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0306WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.0	50.7	76.1
127	8.7	6.8	10.2

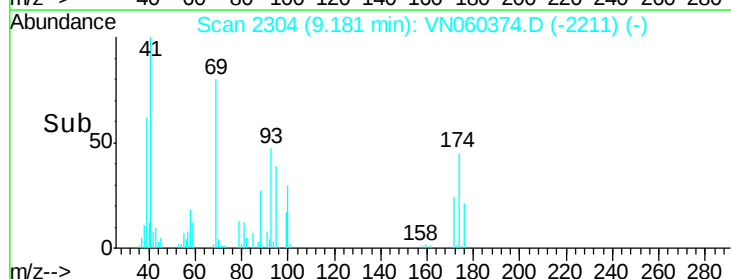
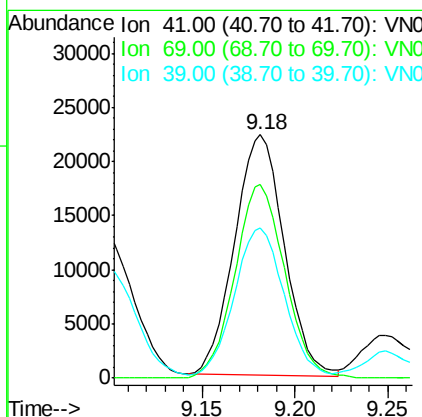
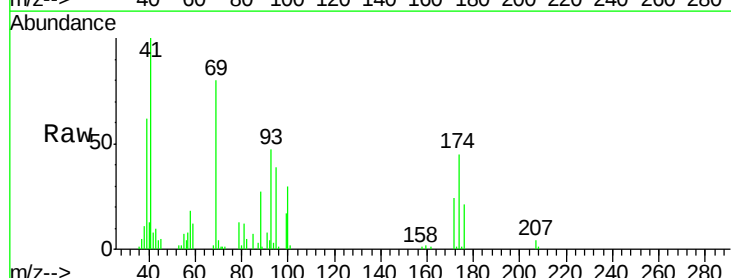
Manual Integrations
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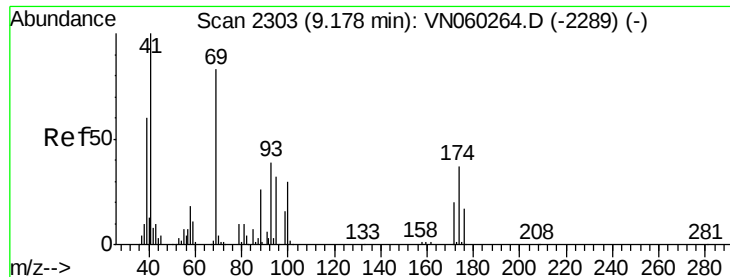
MMDadoda
3/9/2020 11:41:29 AM



#48
Methyl methacrylate
Concen: 18.368 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN060374.D
Acq: 6 Mar 2020 12:49

Tgt Ion	Ratio	Lower	Upper
41	100		
69	81.0	66.7	100.1
39	63.7	50.1	75.1





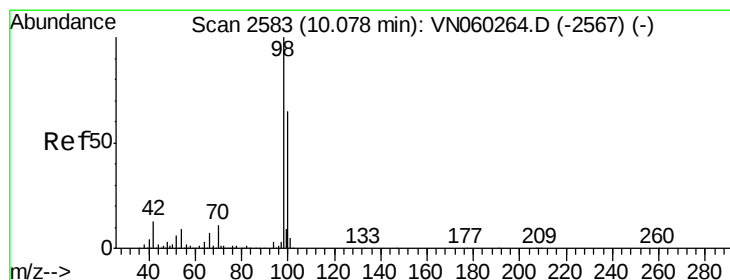
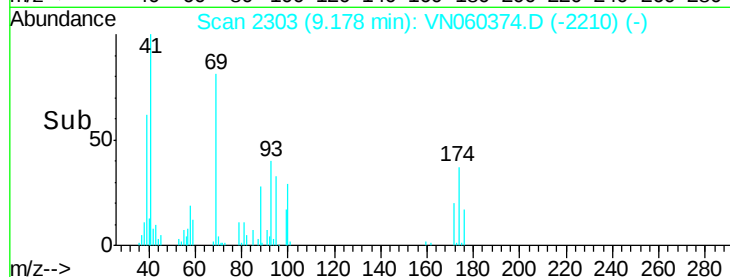
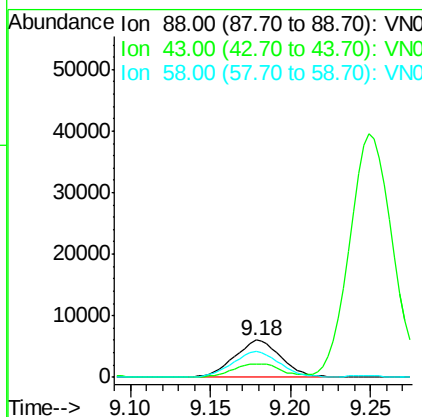
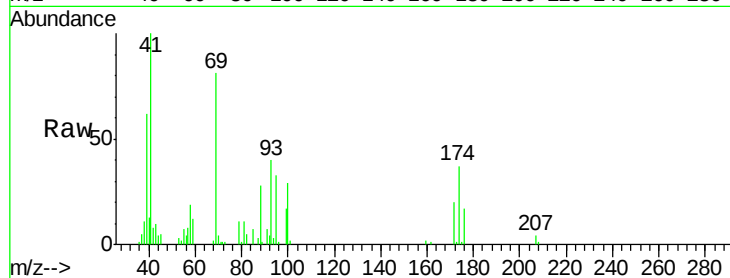
#49
1,4-Dioxane
Concen: 380.136 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060374.D
Acq: 6 Mar 2020 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0306WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.0	30.4	45.6
58	69.4	57.0	85.6

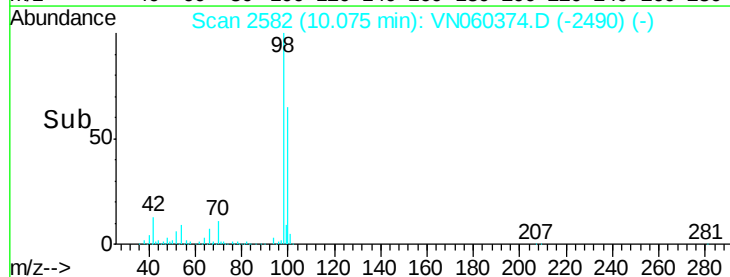
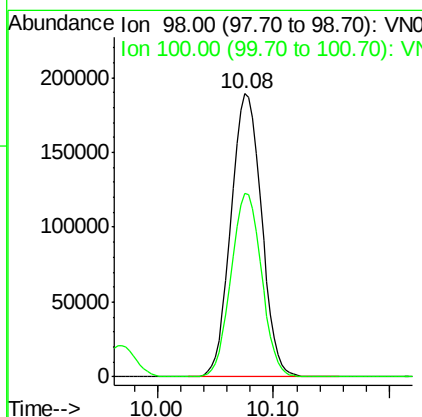
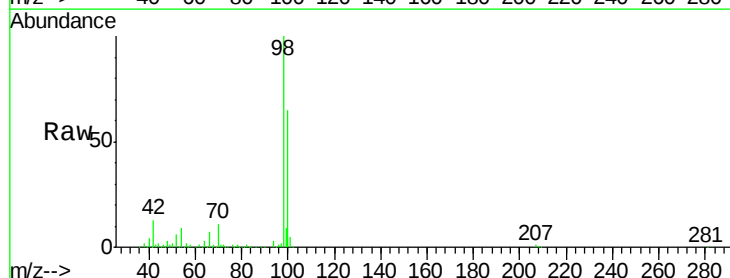
Manual Integrations
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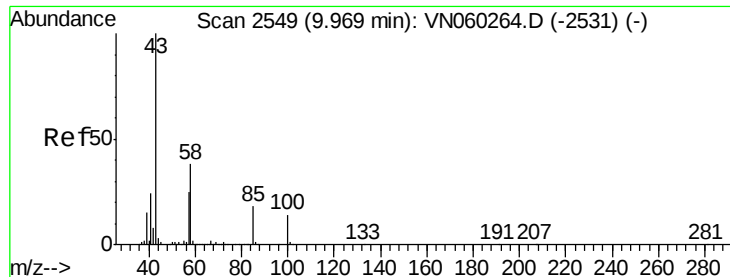
MMDadoda
3/9/2020 11:41:29 AM



#50
Toluene-d8
Concen: 46.880 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060374.D
Acq: 6 Mar 2020 12:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.2	78.2





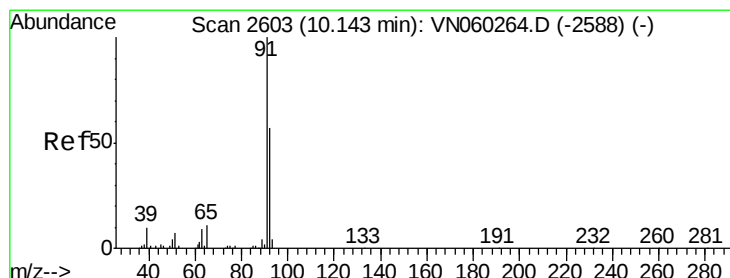
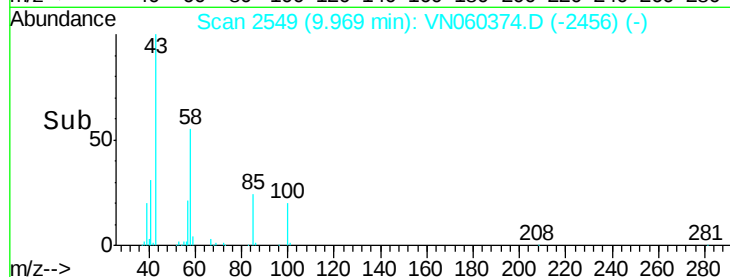
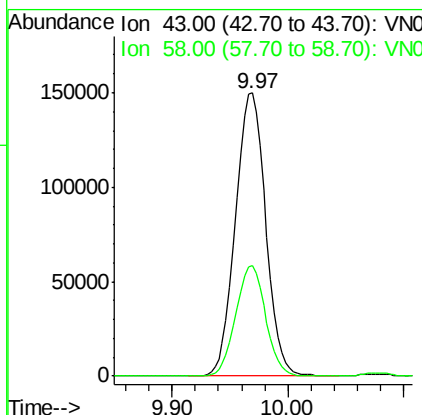
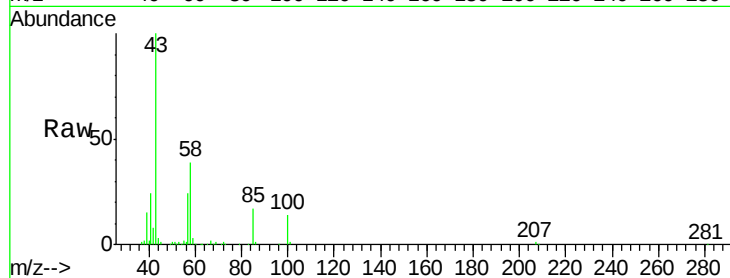
#51
4-Methyl-2-Pentanone
Concen: 96.683 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. -0.00 min
Lab File: VN060374.D
Acq: 6 Mar 2020 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0306WBSD01

Tot Ion	43	Resp	271172
Ion Ratio	100	Lower	Upper
43	100		
58	38.5	30.9	46.3

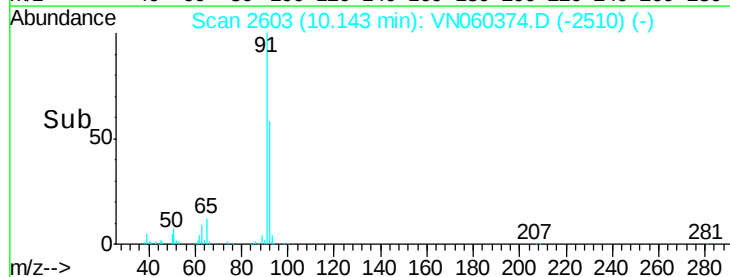
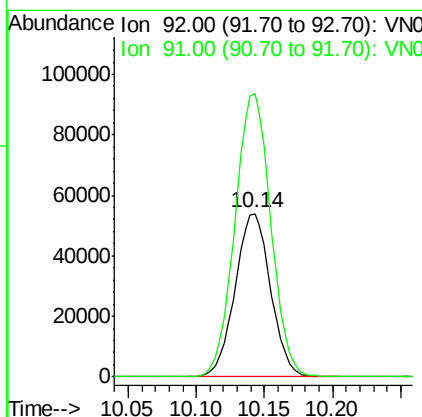
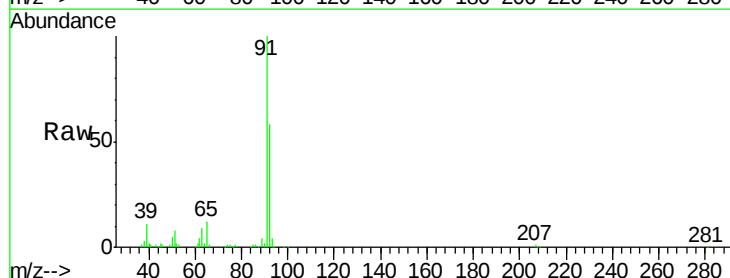
Manual Integrations
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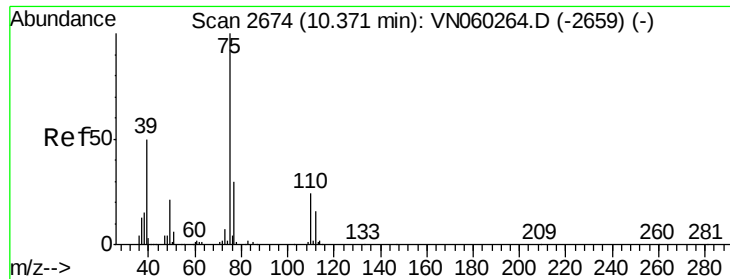
MMDadoda
3/9/2020 11:41:29 AM



#52
Toluene
Concen: 17.859 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VN060374.D
Acq: 6 Mar 2020 12:49

Tgt Ion	92	Resp	97441
Ion Ratio	100	Lower	Upper
92	100		
91	175.2	138.1	207.1





#53

t-1,3-Dichloropropene

Concen: 18.489 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN060374.D

Acq: 6 Mar 2020 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN0306WBSD01

Tot Ion: 75 Resp: 67894

Ion Ratio Lower Upper

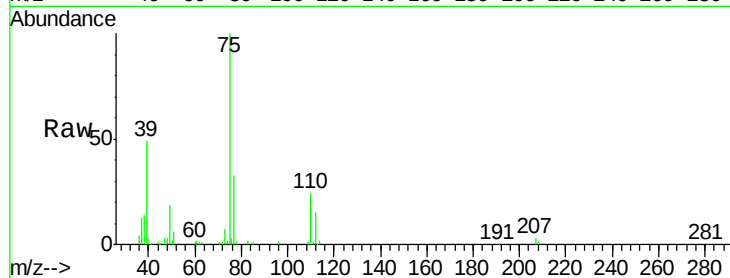
75 100

77 31.6 24.8 37.2

Manual Integrations
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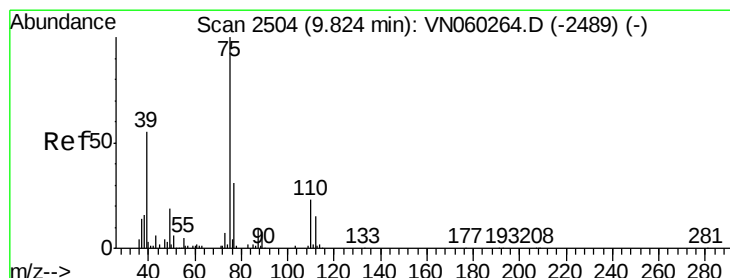
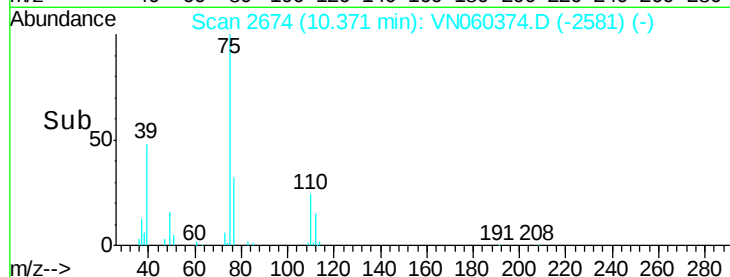
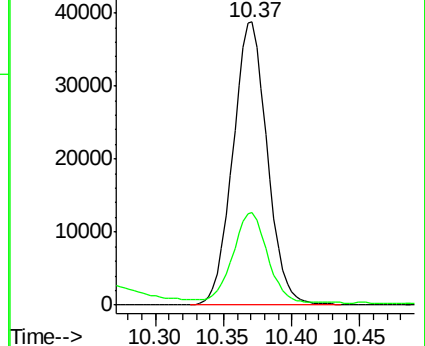
MMDadoda

3/9/2020 11:41:29 AM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 18.926 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060374.D

Acq: 6 Mar 2020 12:49

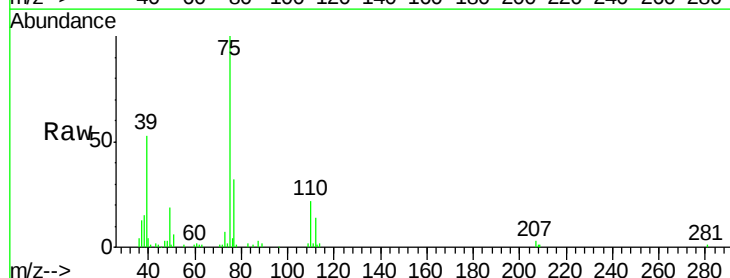
Tgt Ion: 75 Resp: 72016

Ion Ratio Lower Upper

75 100

77 31.7 24.8 37.2

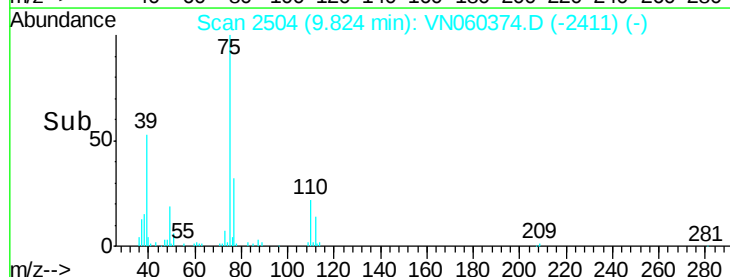
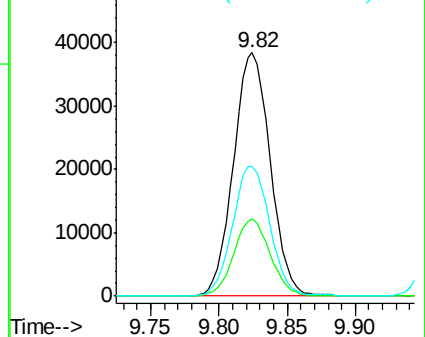
39 53.3 43.8 65.8

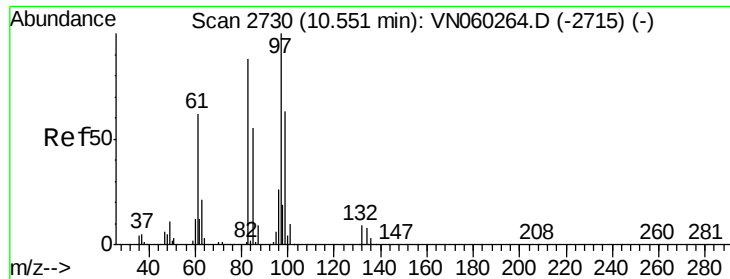


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





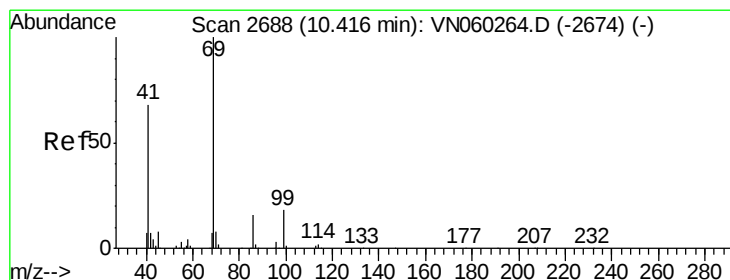
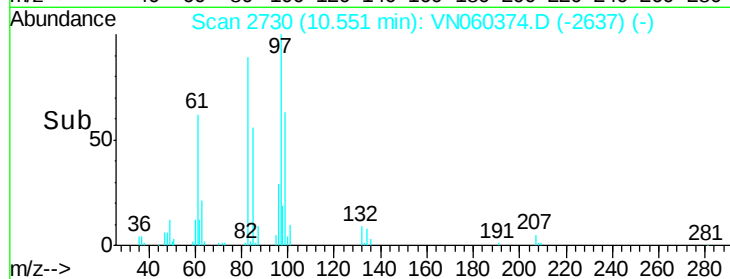
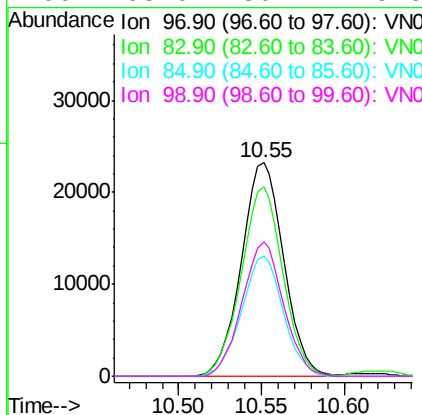
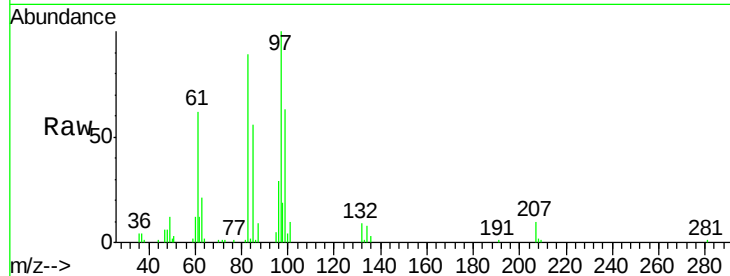
#55
 1,1,2-Trichloroethane
 Concen: 18.842 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060374.D
 Acq: 6 Mar 2020 12:49

Instrument :
 MSVOA_N
 ClientSampled :
 VN0306WBSD01

Tot Ion:	97	Resp:	41341
Ion	Ratio	Lower	Upper
97	100		
83	88.8	70.0	105.0
85	56.5	44.0	66.0
99	63.0	50.4	75.6

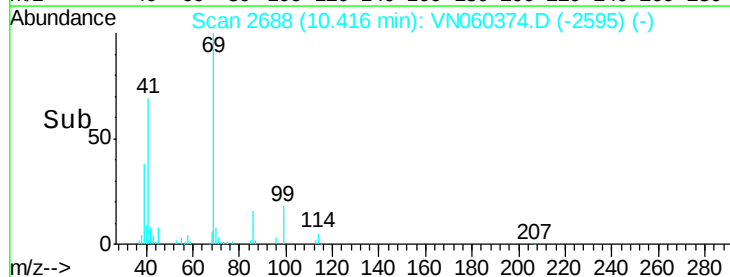
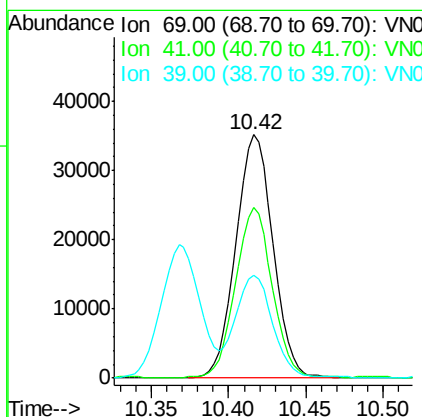
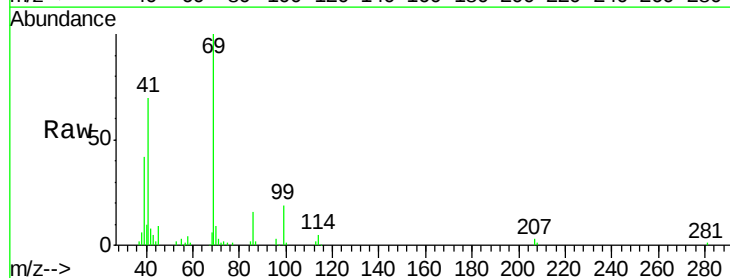
Manual Integrations
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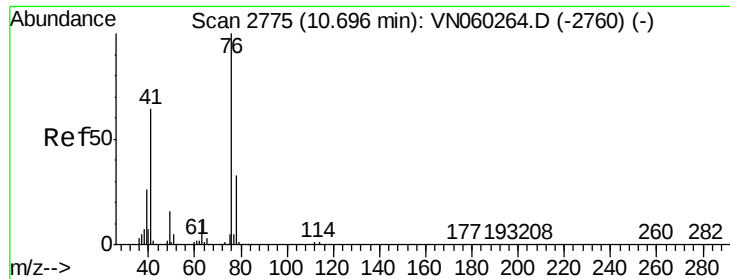
MMDadoda
 3/9/2020 11:41:29 AM



#56
 Ethyl methacrylate
 Concen: 18.667 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060374.D
 Acq: 6 Mar 2020 12:49

Tgt Ion:	69	Resp:	58843
Ion	Ratio	Lower	Upper
69	100		
41	69.8	54.1	81.1
39	41.8	32.5	48.7





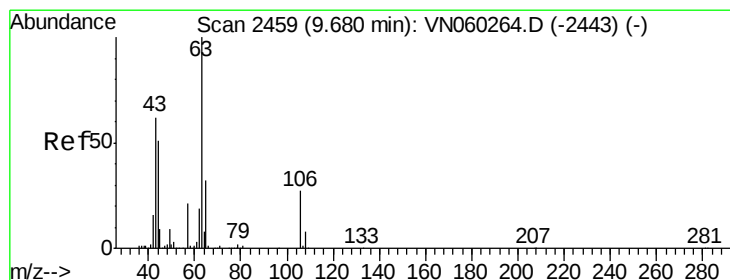
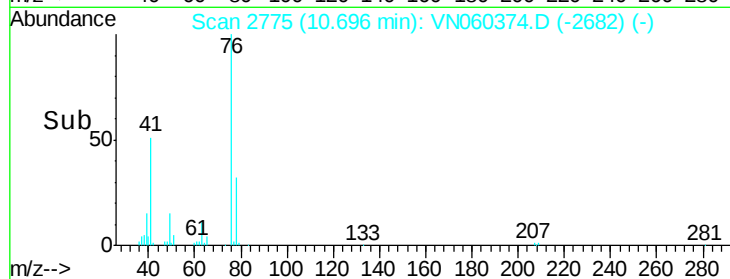
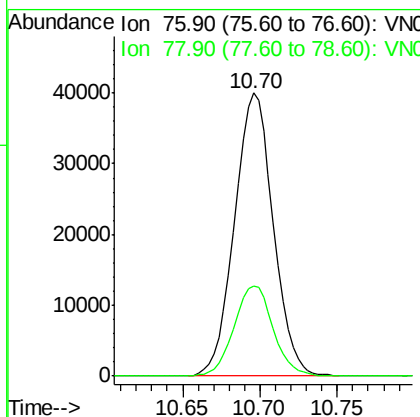
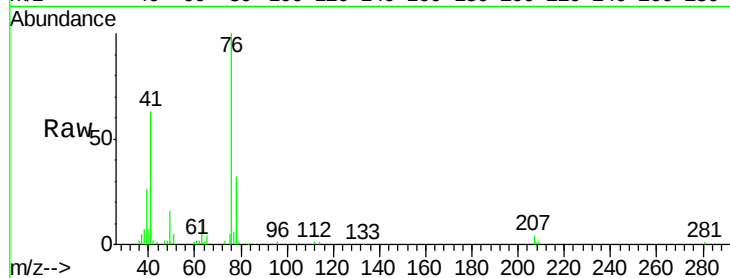
#57
 1,3-Dichloropropane
 Concen: 19.429 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VN060374.D
 Acq: 6 Mar 2020 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0306WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.2	39.2

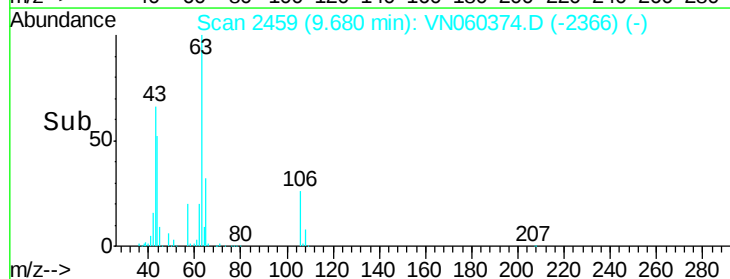
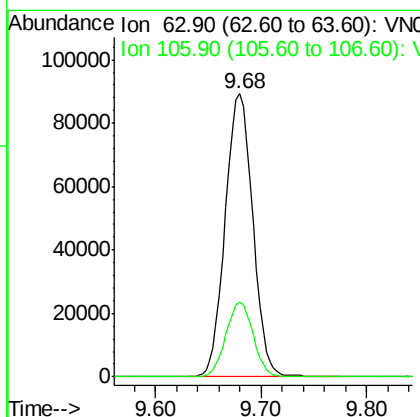
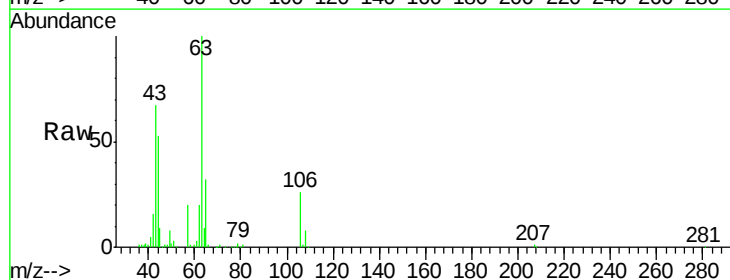
Manual Integrations
 APPROVED

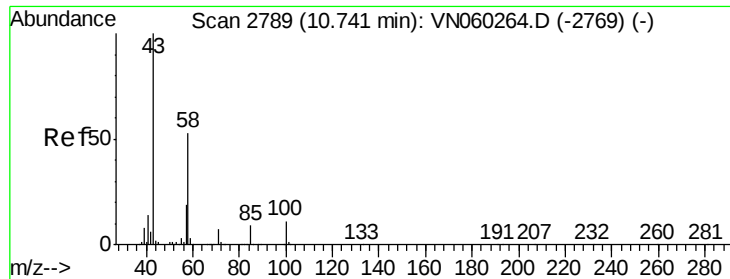
MMDadoda
 3/9/2020 11:41:29 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.343 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN060374.D
 Acq: 6 Mar 2020 12:49

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.0	21.1	31.7





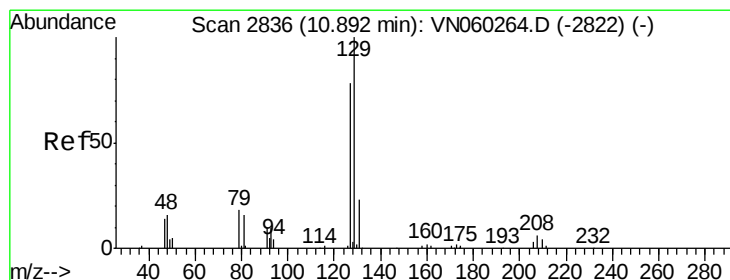
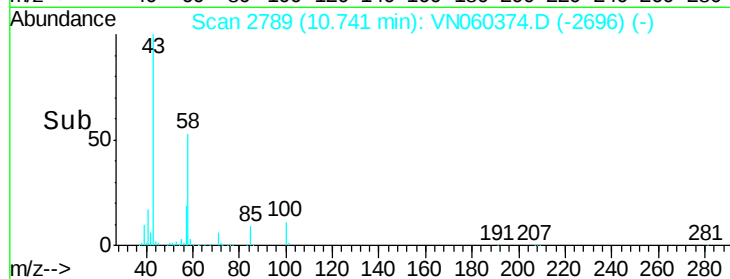
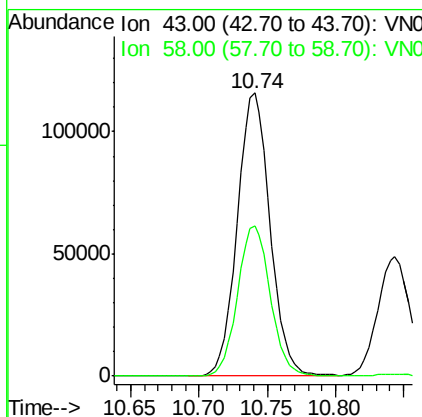
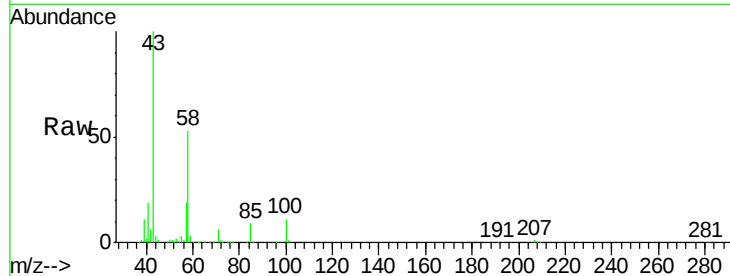
#59
2-Hexanone
Concen: 93.943 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060374.D
Acq: 6 Mar 2020 12:49

Instrument :
MSVOA_N
ClientSampled :
VN0306WBSD01

Tot Ion	43	Resp	193458
Ion Ratio	43	100	
Lower	58	53.0	26.5
Upper			79.5

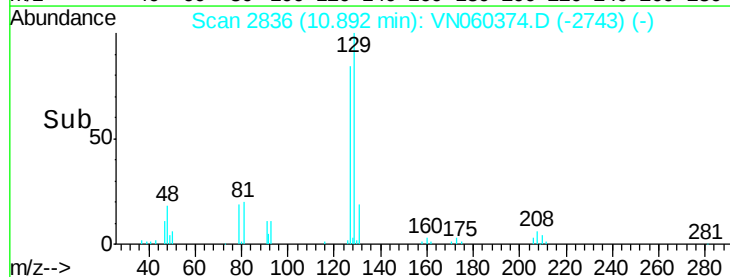
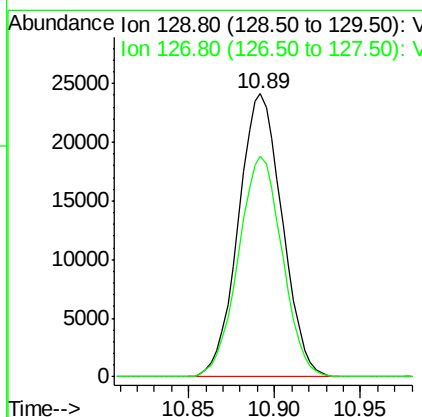
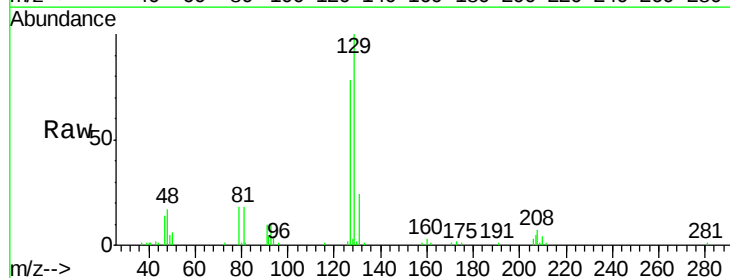
Manual Integrations
APPROVED

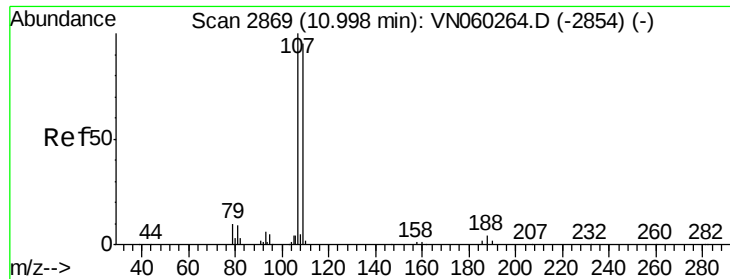
MMDadoda
3/9/2020 11:41:29 AM



#60
Dibromochloromethane
Concen: 19.143 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060374.D
Acq: 6 Mar 2020 12:49

Tgt Ion	129	Resp	42714
Ion Ratio	129	100	
Lower	127	78.0	38.9
Upper			116.7





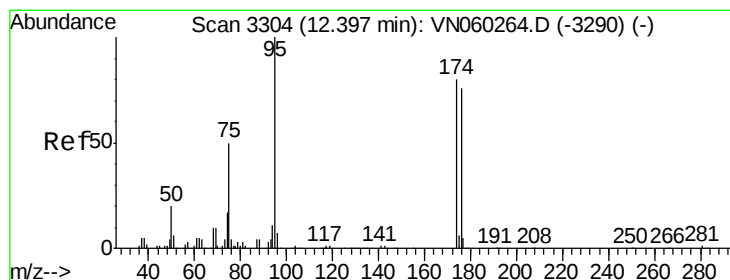
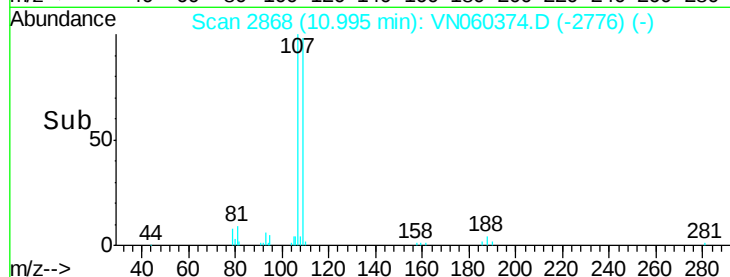
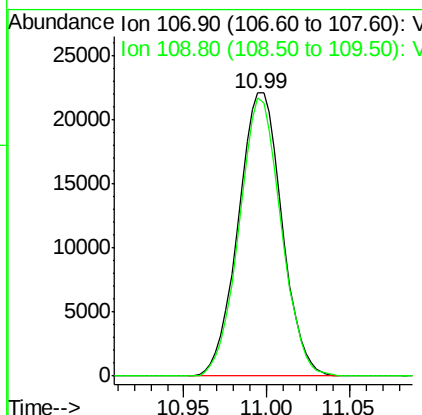
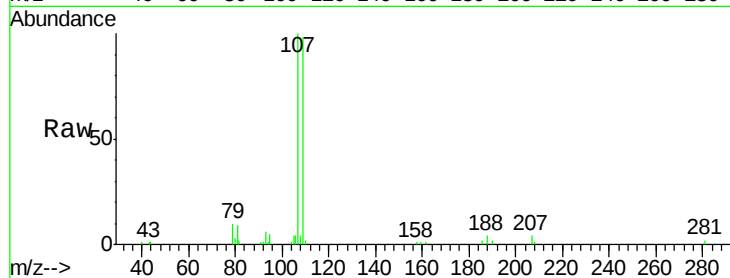
#61
 1,2-Dibromoethane
 Concen: 18.882 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060374.D
 Acq: 6 Mar 2020 12:49

Instrument :
 MSVOA_N
 ClientSampled :
 VN0306WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	76.8	115.2

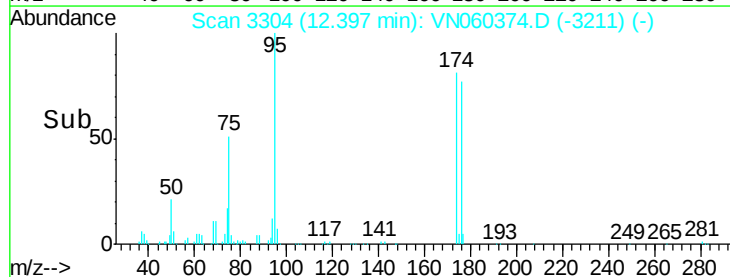
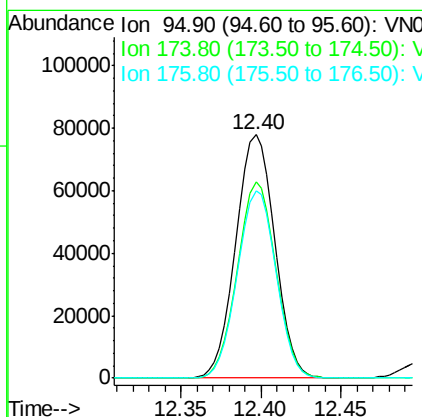
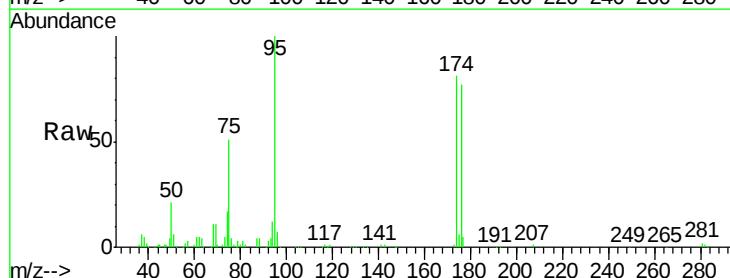
Manual Integrations
 APPROVED

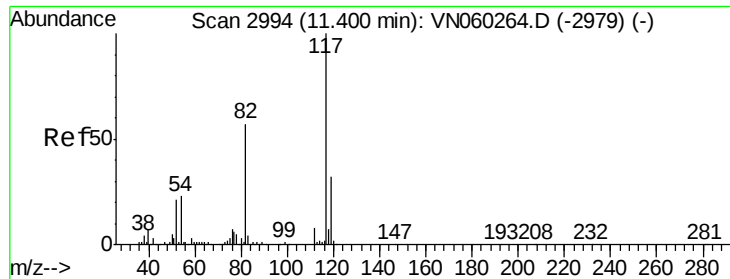
MMDadoda
 3/9/2020 11:41:29 AM



#62
 4-Bromofluorobenzene
 Concen: 46.405 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060374.D
 Acq: 6 Mar 2020 12:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.4	0.0	159.2
176	76.4	0.0	153.8





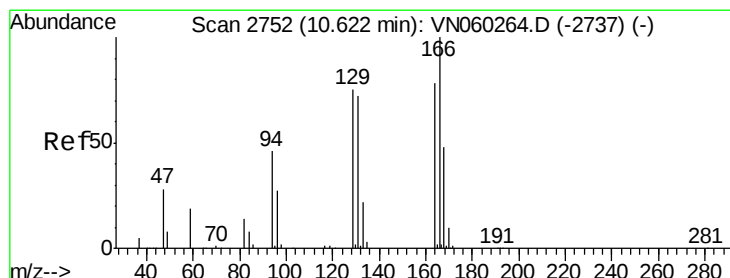
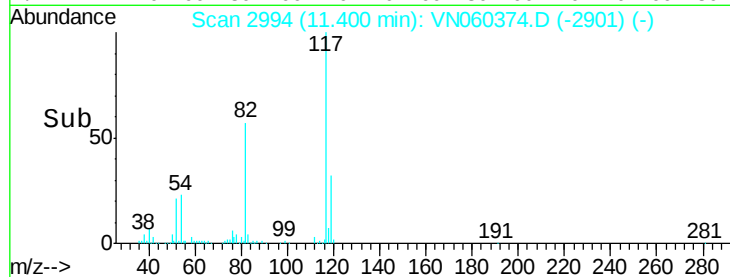
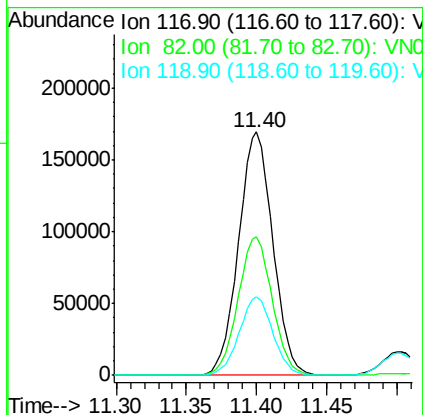
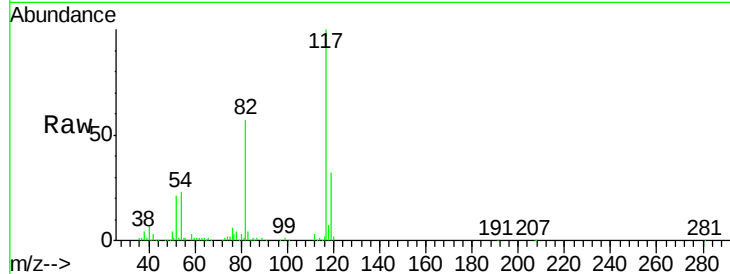
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060374.D
Acq: 6 Mar 2020 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0306WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	288955		
82	57.0		45.8	68.6
119	32.2		25.8	38.8

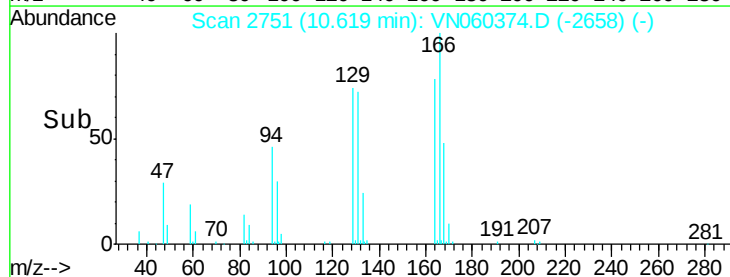
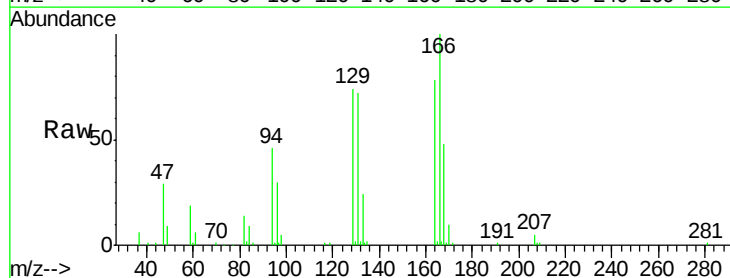
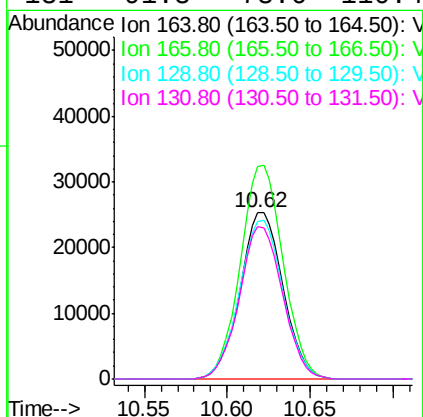
Manual Integrations
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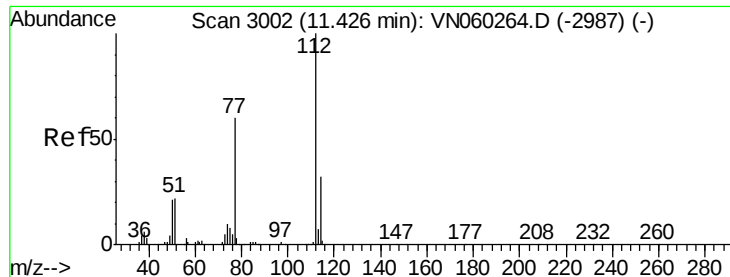
MMDadoda
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#64
Tetrachloroethene
Concen: 19.169 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060374.D
Acq: 6 Mar 2020 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	45596		
166	127.9		102.0	153.0
129	94.9		76.4	114.6
131	91.8		73.6	110.4





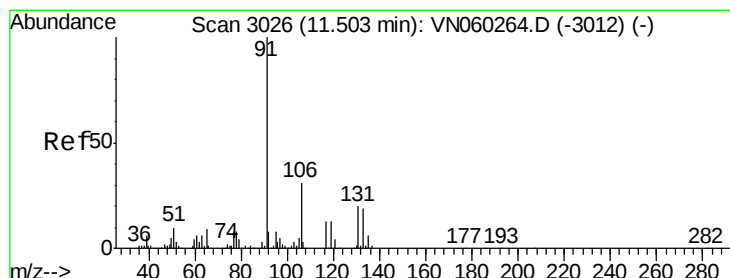
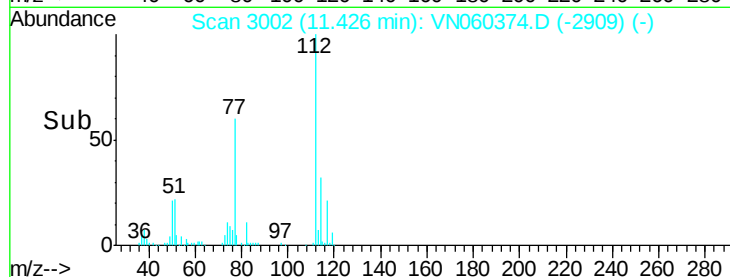
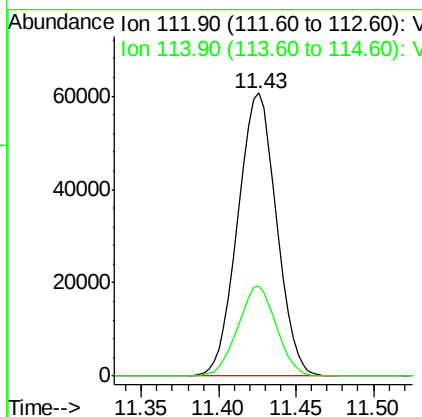
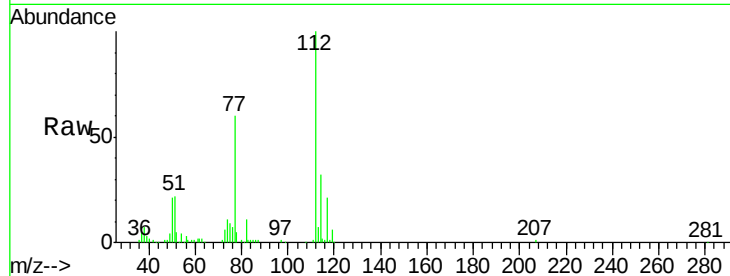
#65
Chlorobenzene
Concen: 18.121 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060374.D
Acq: 6 Mar 2020 12:49

Instrument :
MSVOA_N
ClientSampled :
VN0306WBSD01

Tot Ion:112 Resp: 105730
Ion Ratio Lower Upper
112 100
114 31.7 25.4 38.0

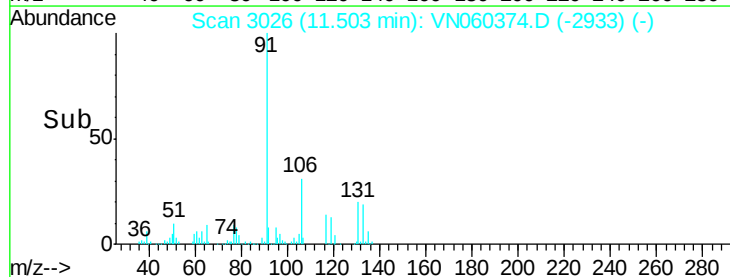
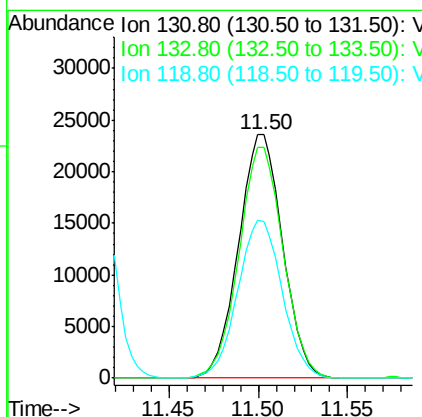
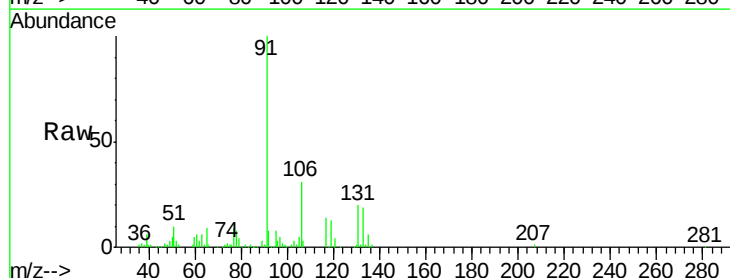
Manual Integrations
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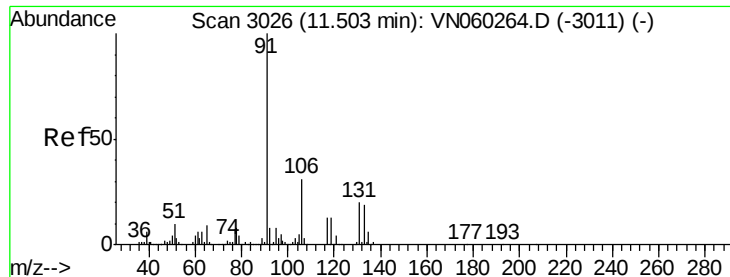
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.822 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN060374.D
Acq: 6 Mar 2020 12:49

Tgt Ion:131 Resp: 40607
Ion Ratio Lower Upper
131 100
133 95.2 47.7 143.1
119 65.3 33.2 99.6





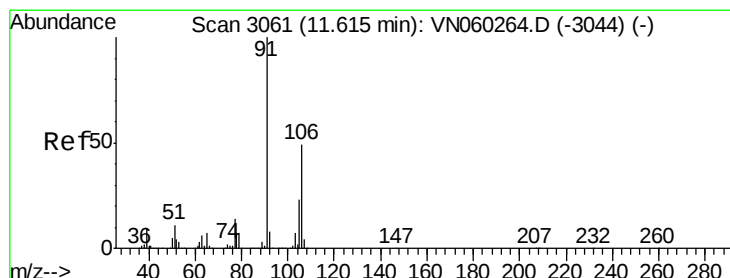
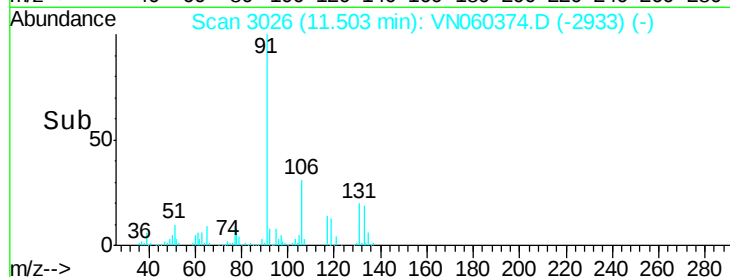
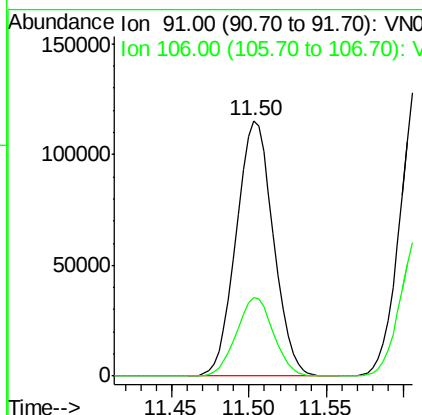
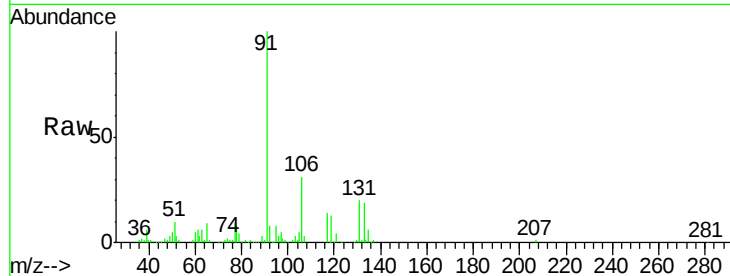
#67
Ethyl Benzene
Concen: 18.076 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN060374.D
Acq: 6 Mar 2020 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0306WBSD01

Tot Ion: 91 Resp: 192069
Ion Ratio Lower Upper
91 100
106 30.8 24.7 37.1

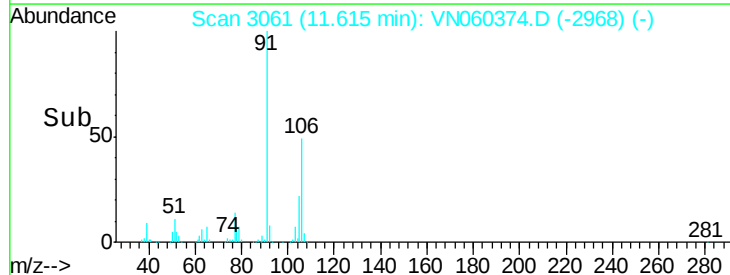
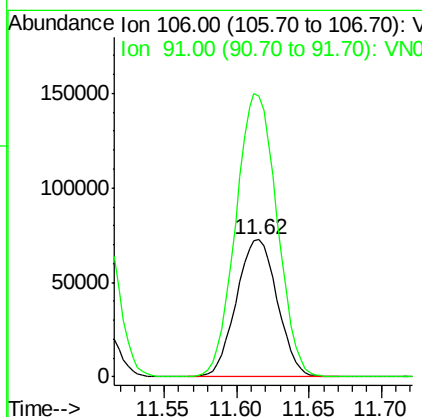
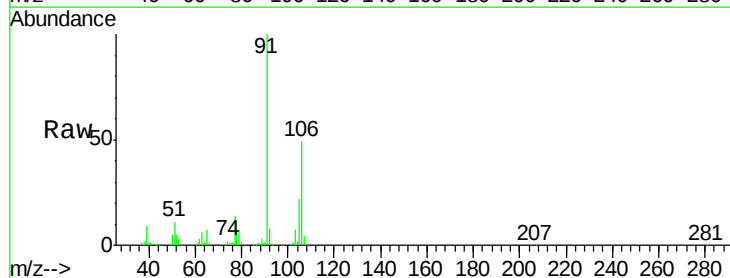
Manual Integrations
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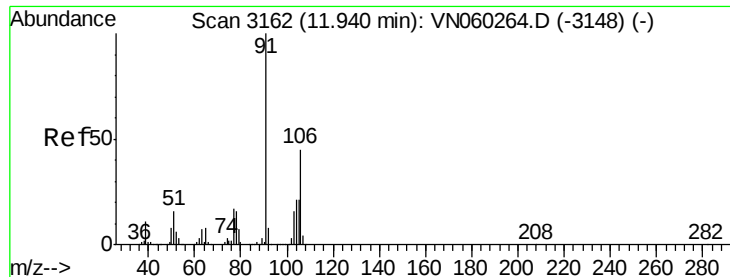
MMDadoda
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#68
m/p-Xylenes
Concen: 35.622 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN060374.D
Acq: 6 Mar 2020 12:49

Tgt Ion: 106 Resp: 142806
Ion Ratio Lower Upper
106 100
91 207.4 164.5 246.7





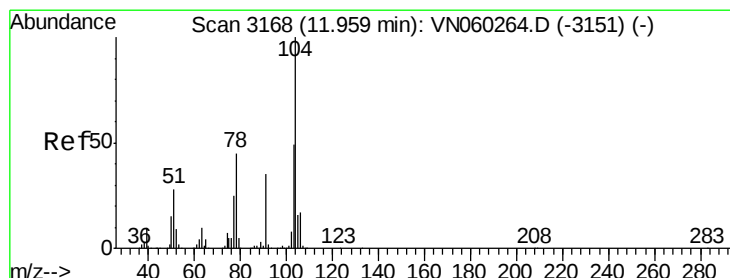
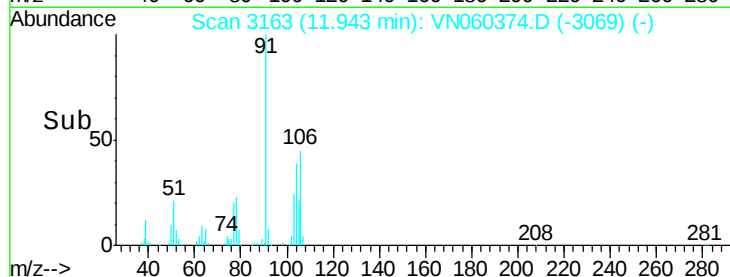
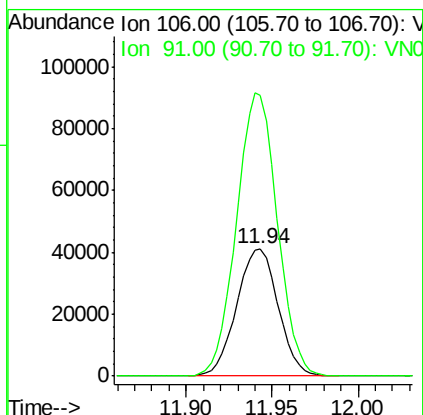
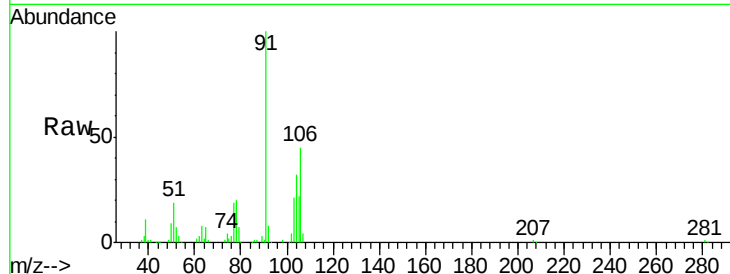
#69
o-Xylene
Concen: 18.023 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060374.D
Acq: 6 Mar 2020 12:49

Instrument :
MSVOA_N
ClientSampled :
VN0306WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	218.6	109.5	328.4	

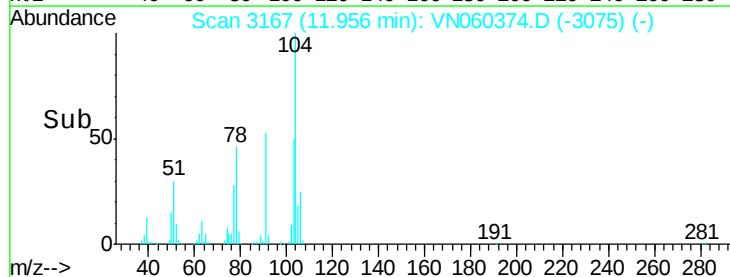
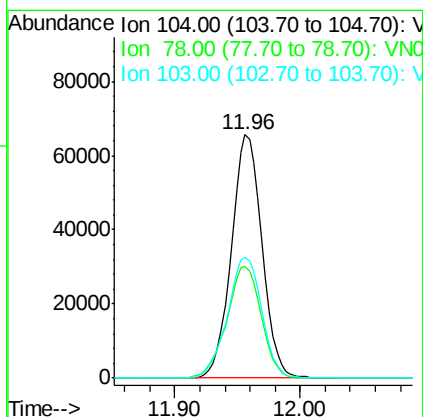
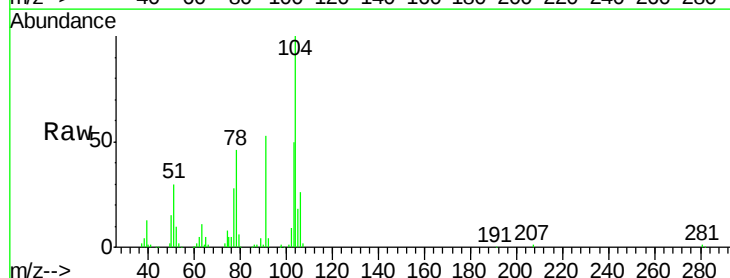
Manual Integrations
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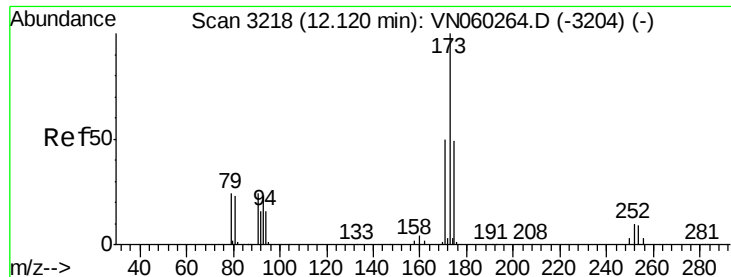
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#70
Styrene
Concen: 17.684 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060374.D
Acq: 6 Mar 2020 12:49

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	51.6	41.2	61.8	
103	55.5	43.9	65.9	





#71

Bromoform

Concen: 18.933 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN060374.D

Acq: 6 Mar 2020 12:49

Instrument :

MSVOA_N

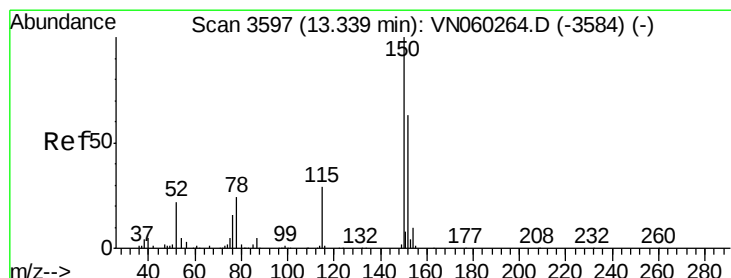
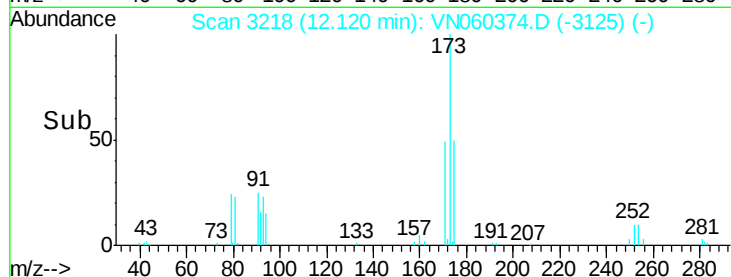
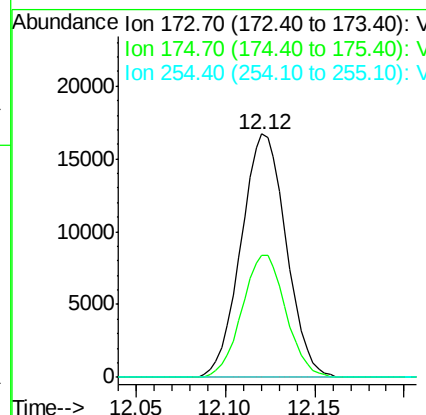
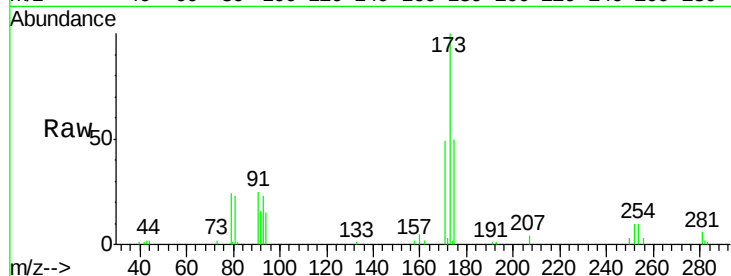
ClientSampled :

VN0306WBSD01

Tot Ion:	173	Resp:	29437
Ion Ratio	Lower	Upper	
173	100		
175	48.6	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

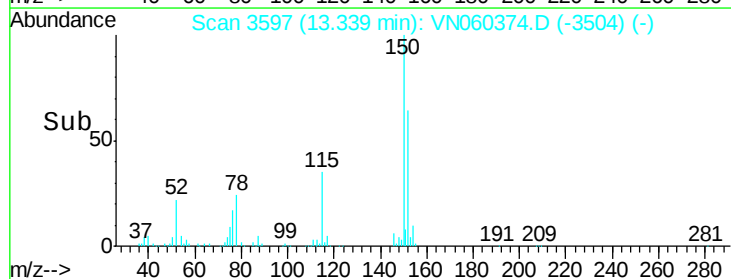
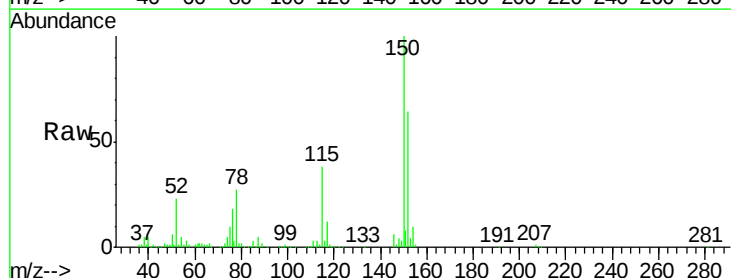
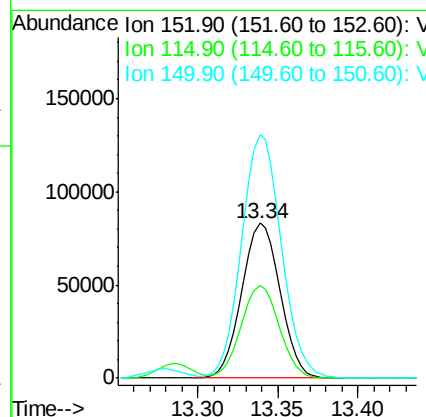
RT: 13.34 min Scan# 3597

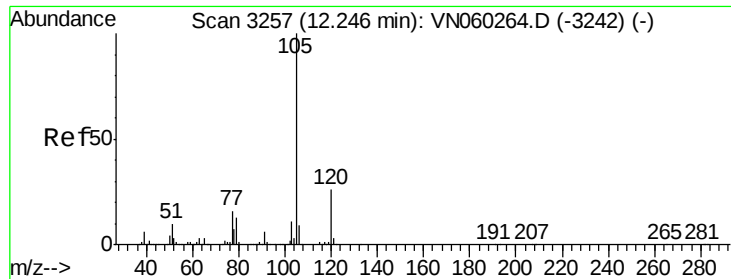
Delta R.T. -0.00 min

Lab File: VN060374.D

Acq: 6 Mar 2020 12:49

Tgt Ion:	152	Resp:	135702
Ion Ratio	Lower	Upper	
152	100		
115	59.8	30.0	90.0
150	163.2	0.0	349.6





#73

Isopropylbenzene

Concen: 18.434 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN060374.D

Acq: 6 Mar 2020 12:49

Instrument :

MSVOA_N

ClientSampled :

VN0306WBSD01

Tot Ion: 105 Resp: 185407

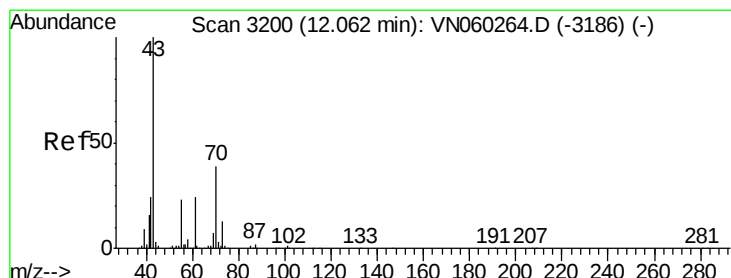
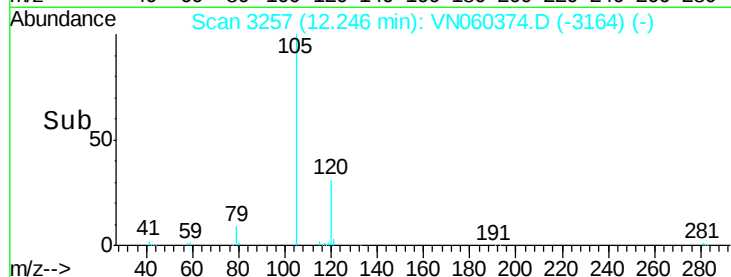
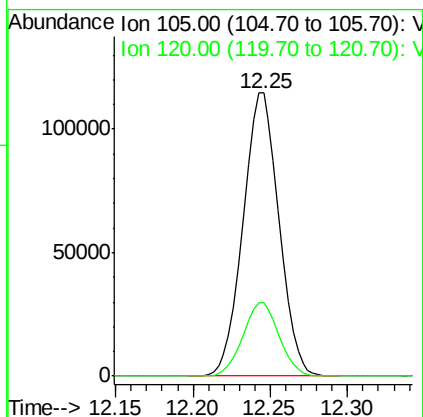
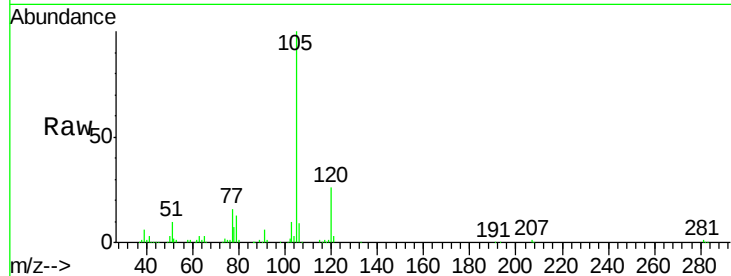
Ion Ratio Lower Upper

105 100

120 25.9 13.0 38.9

Manual Integrations
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#74

N-ethyl acetate

Concen: 18.574 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060374.D

Acq: 6 Mar 2020 12:49

Tgt Ion: 43 Resp: 81636

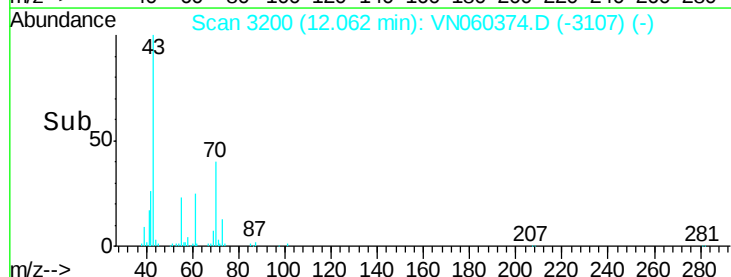
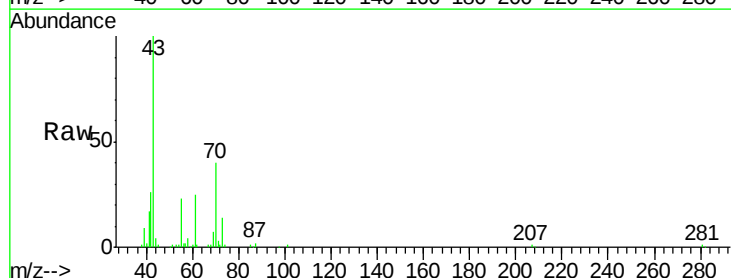
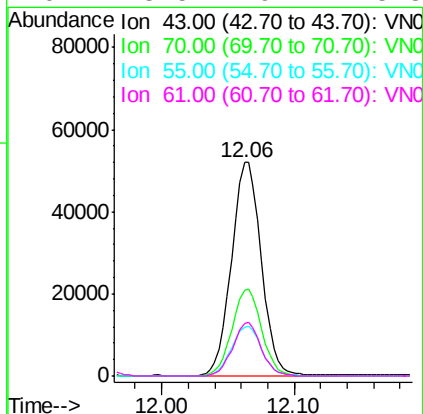
Ion Ratio Lower Upper

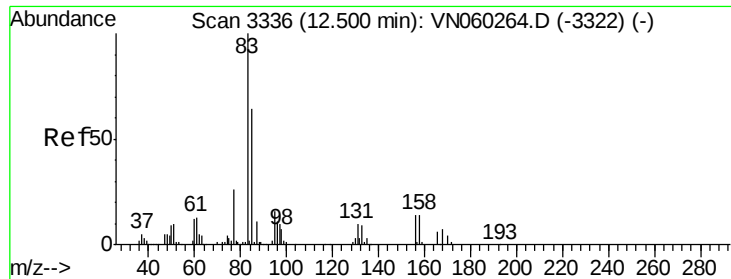
43 100

70 40.1 32.2 48.2

55 23.3 18.2 27.4

61 23.5 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.446 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060374.D

Acq: 6 Mar 2020 12:49

Instrument :

MSVOA_N

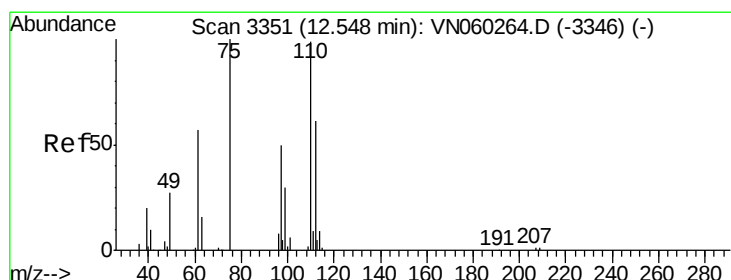
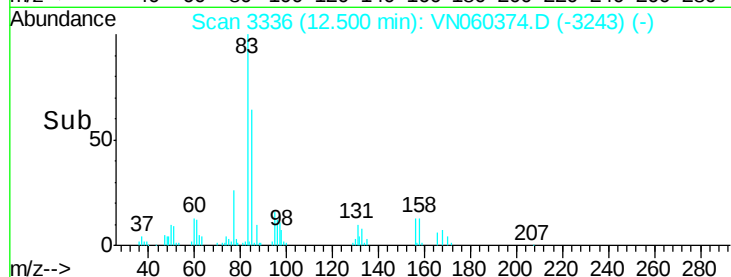
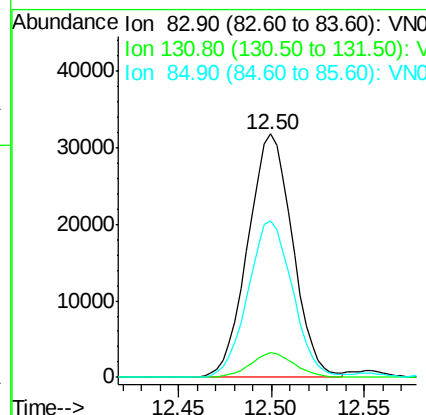
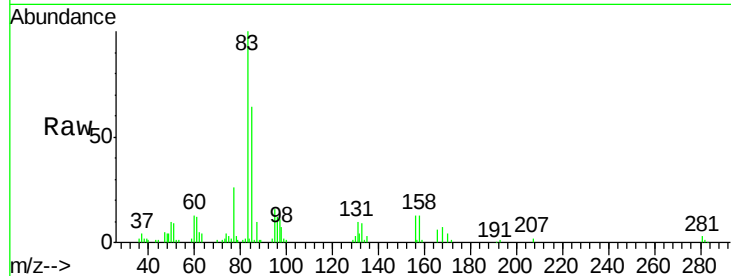
ClientSampleId :

VN0306WBSD01

Tot Ion:	83	Resp:	53166
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.1	15.3
85	64.2	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.213 ug/l m

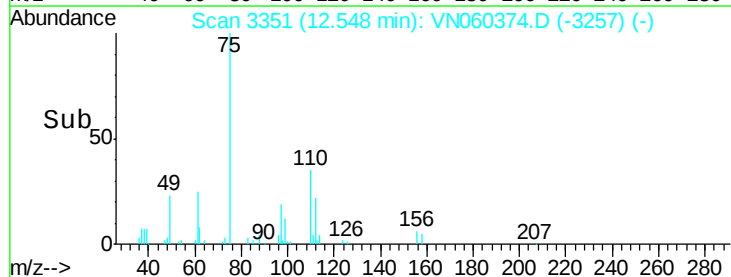
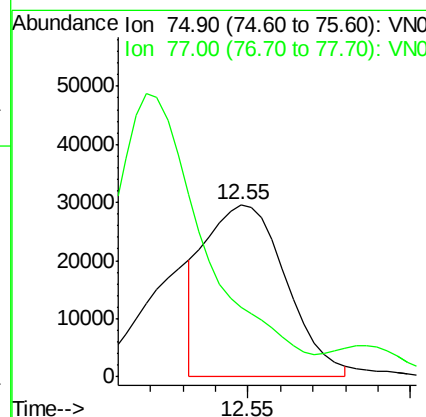
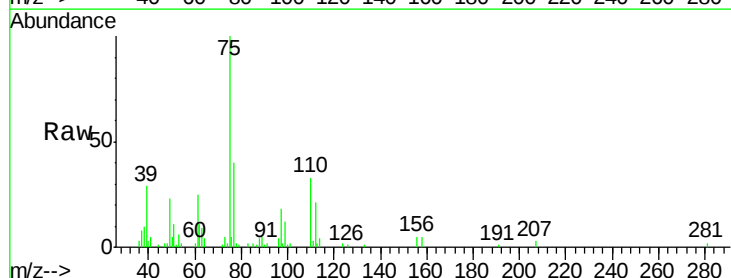
RT: 12.55 min Scan# 3351

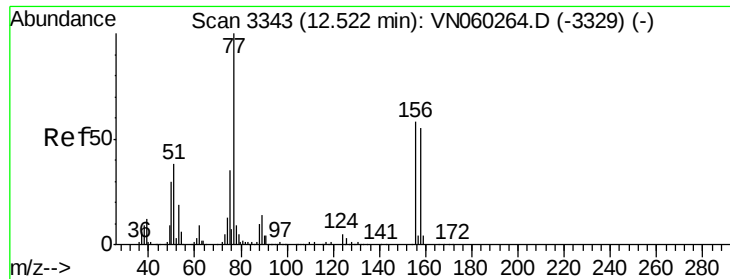
Delta R.T. 0.00 min

Lab File: VN060374.D

Acq: 6 Mar 2020 12:49

Tgt Ion:	75	Resp:	51248
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.458 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN060374.D

Acq: 6 Mar 2020 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN0306WBSD01

Tot Ion:156 Resp: 45508

Ion Ratio Lower Upper

156 100

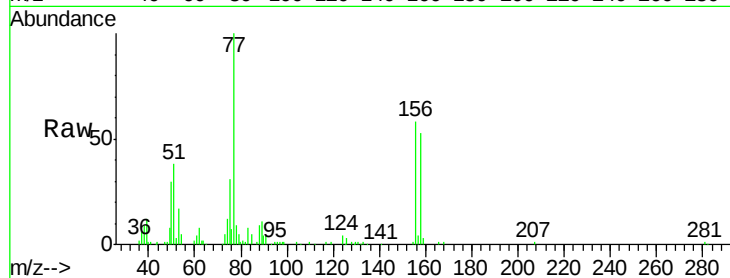
77 215.8 106.1 318.3

158 94.8 48.3 144.8

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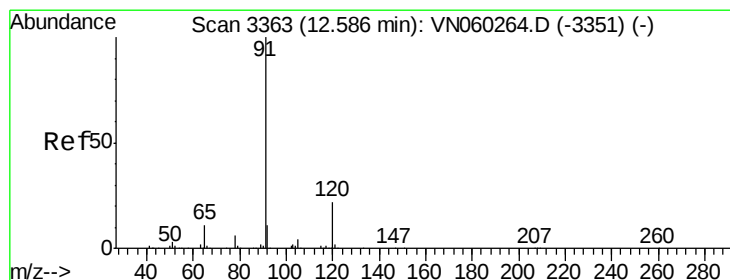
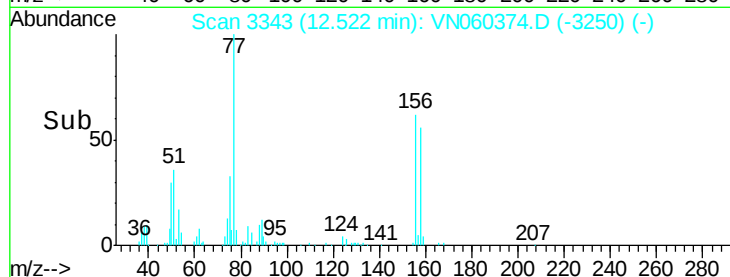
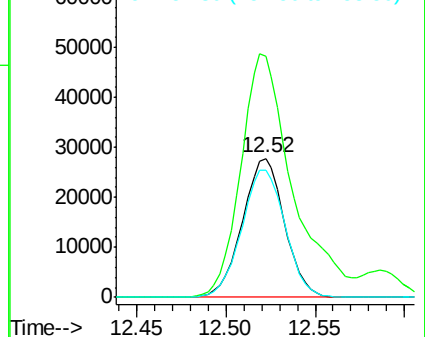
3/9/2020 11:41:29 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.147 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060374.D

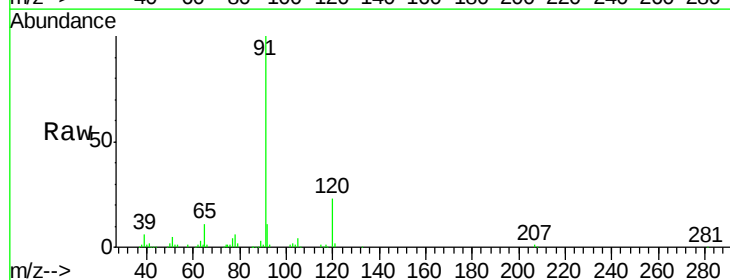
Acq: 6 Mar 2020 12:49

Tgt Ion: 91 Resp: 213953

Ion Ratio Lower Upper

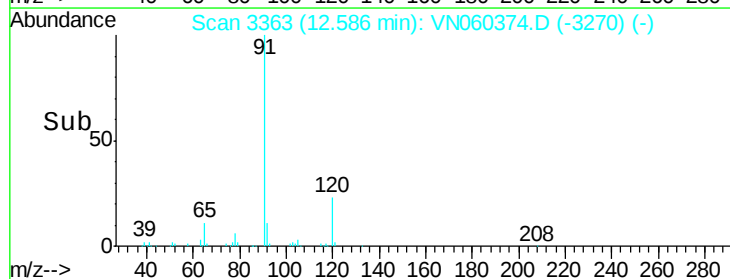
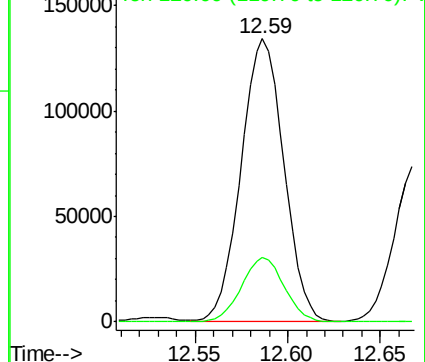
91 100

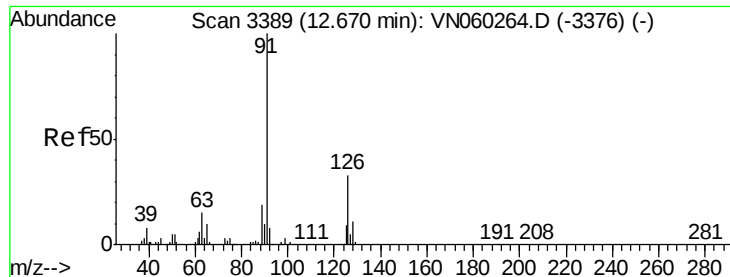
120 22.7 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.357 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060374.D

Acq: 6 Mar 2020 12:49

Instrument :

MSVOA_N

ClientSampled :

VN0306WBSD01

Tot Ion: 91 Resp: 127221

Ion Ratio Lower Upper

91 100

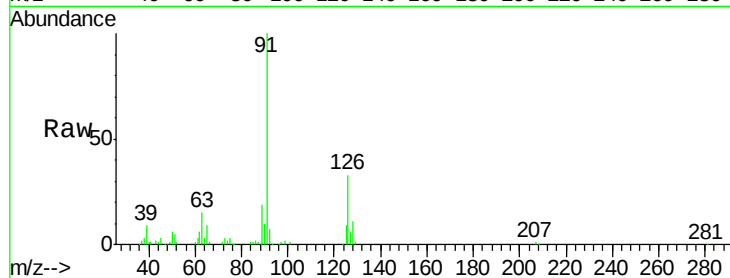
126 33.5 16.6 49.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN060374.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060374.D (-3376) (-)

150000

100000

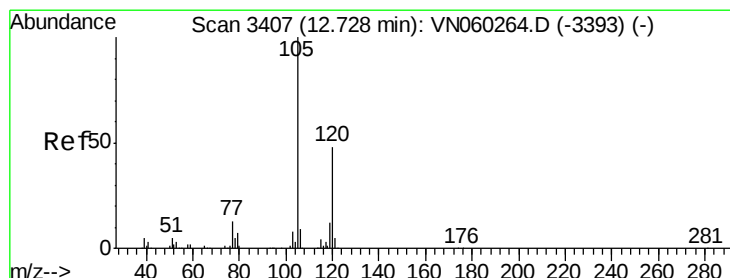
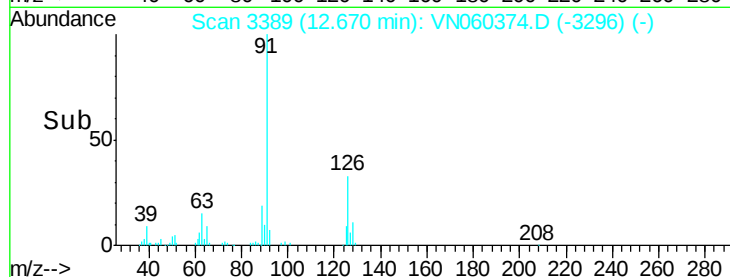
50000

0

12.60 12.65 12.70

12.67

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.440 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060374.D

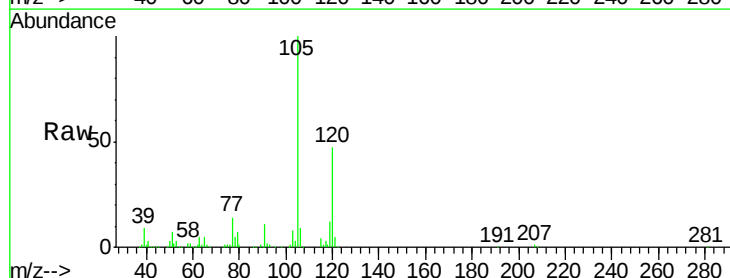
Acq: 6 Mar 2020 12:49

Tgt Ion: 105 Resp: 156157

Ion Ratio Lower Upper

105 100

120 47.6 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060374.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN060374.D (-3314) (-)

100000

80000

60000

40000

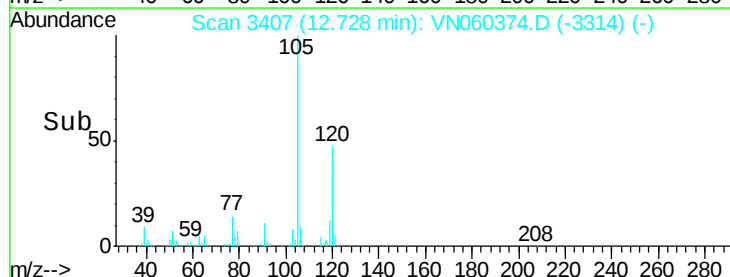
20000

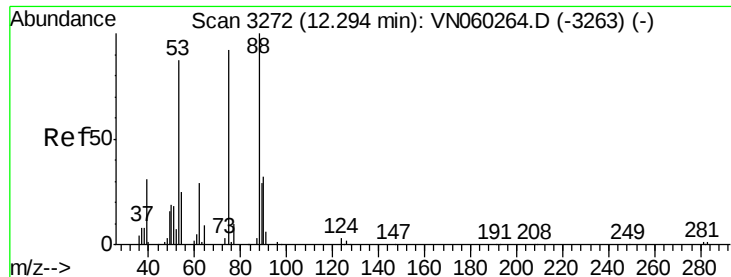
0

12.65 12.70 12.75 12.80

12.73

Time-->





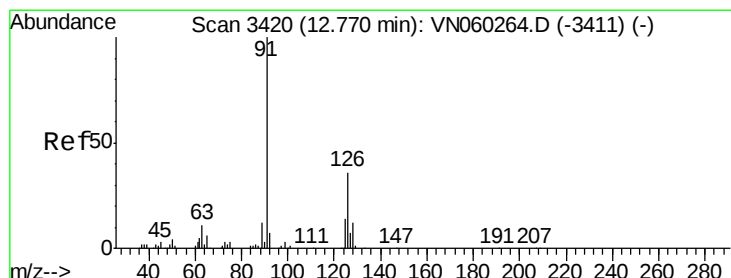
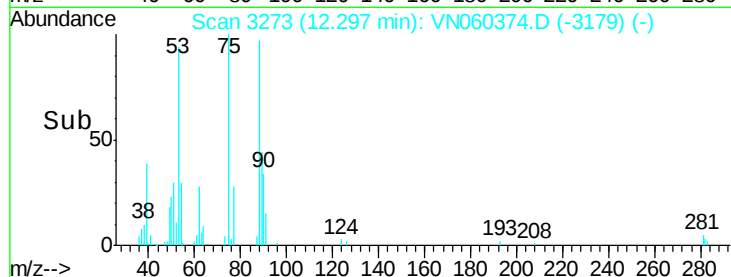
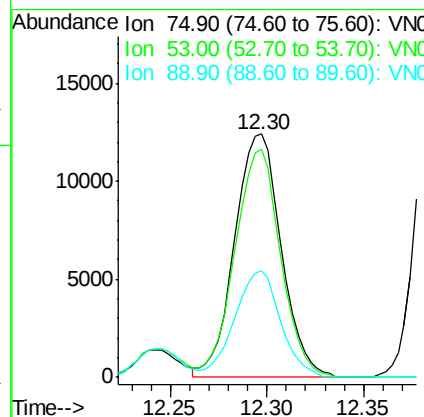
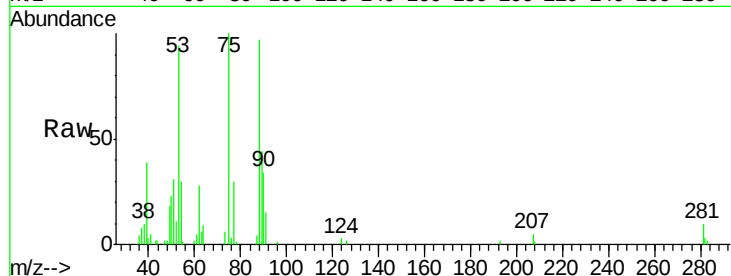
#81
trans-1,4-Dichloro-2-butene
Concen: 19.319 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN060374.D
Acq: 6 Mar 2020 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0306WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.3	73.8	110.6
89	43.2	57.1	85.7#

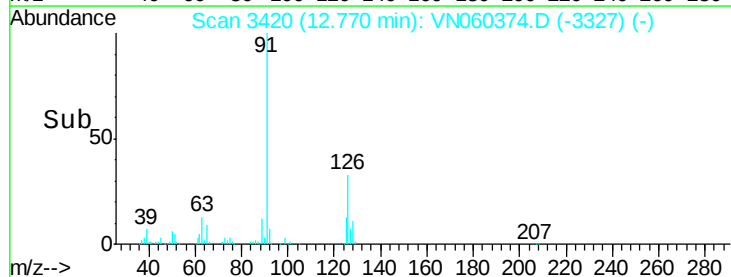
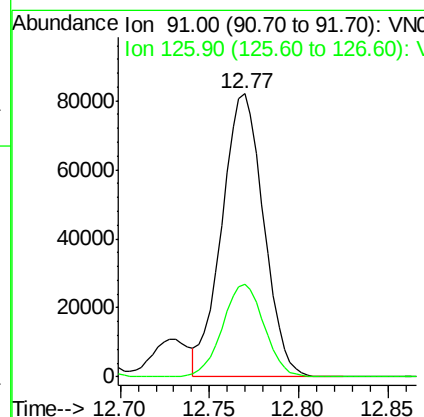
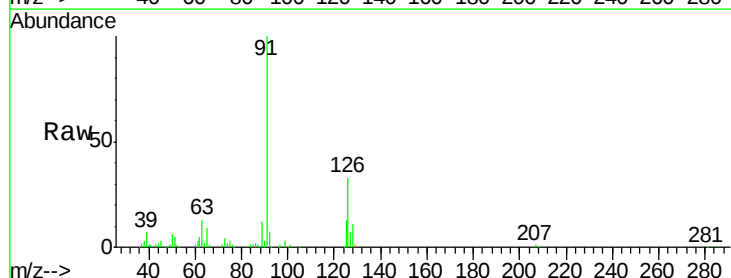
Manual Integrations
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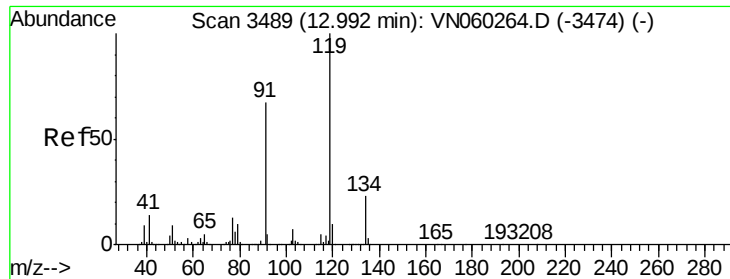
MMDadoda
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#82
4-Chlorotoluene
Concen: 18.259 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN060374.D
Acq: 6 Mar 2020 12:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.7	50.1





#83

tert-Butylbenzene

Concen: 17.989 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN060374.D

Acq: 6 Mar 2020 12:49

Instrument :

MSVOA_N

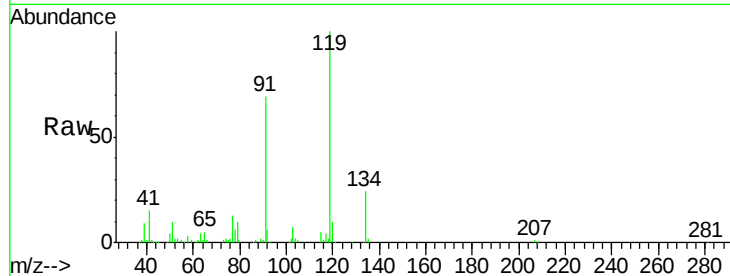
ClientSampled :

VN0306WBSD01

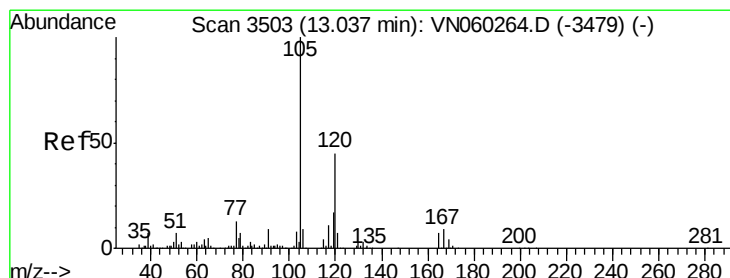
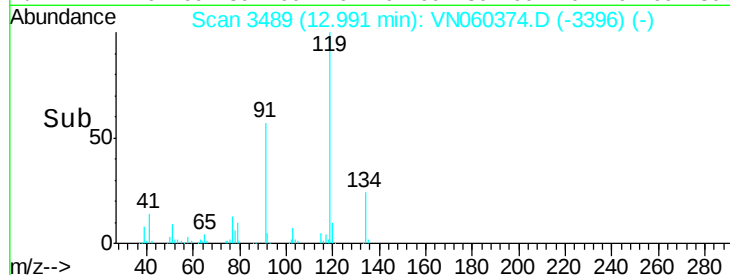
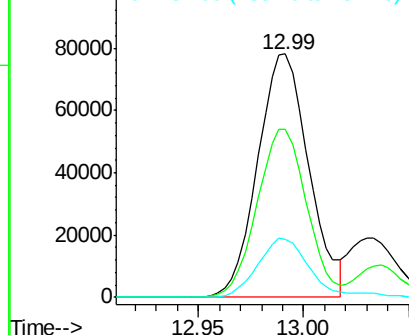
Tot Ion:	119	Resp:	131896
Ion Ratio	Lower	Upper	
119	100		
91	67.1	33.1	99.2
134	25.0	12.4	37.0

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 18.223 ug/l

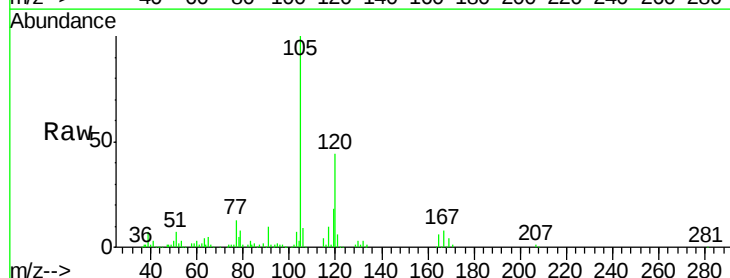
RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

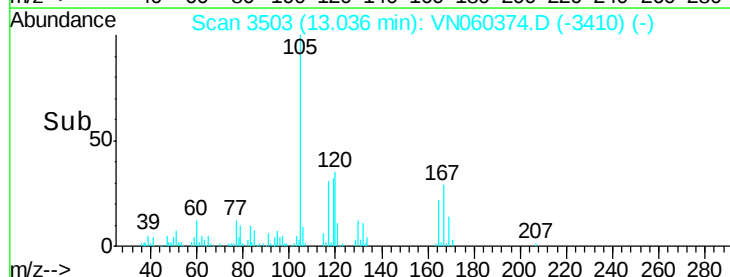
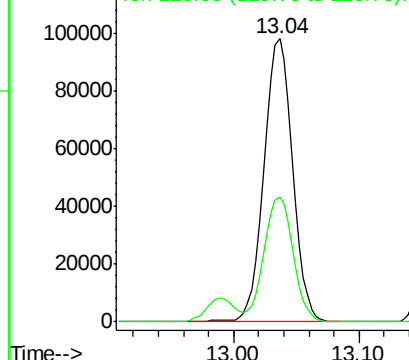
Lab File: VN060374.D

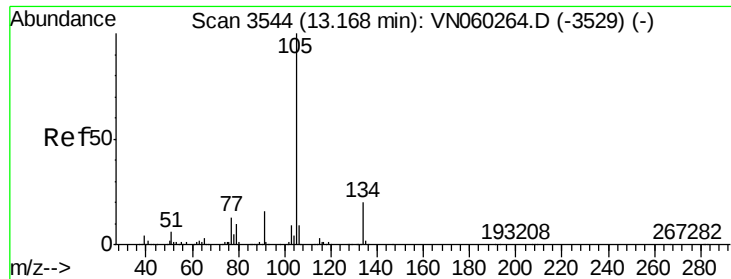
Acq: 6 Mar 2020 12:49

Tgt Ion:	105	Resp:	155762
Ion Ratio	Lower	Upper	
105	100		
120	44.8	22.3	66.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 17.587 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060374.D

Acq: 6 Mar 2020 12:49

Instrument :

MSVOA_N

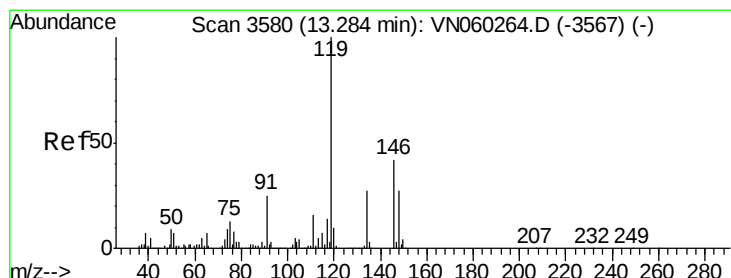
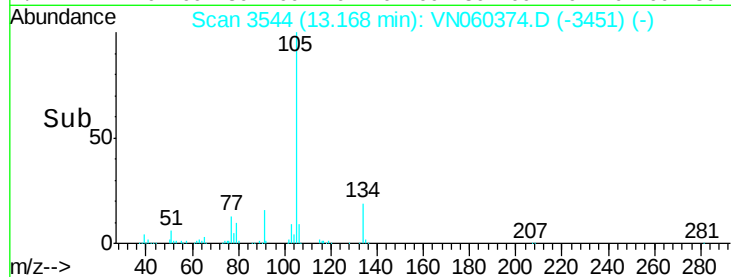
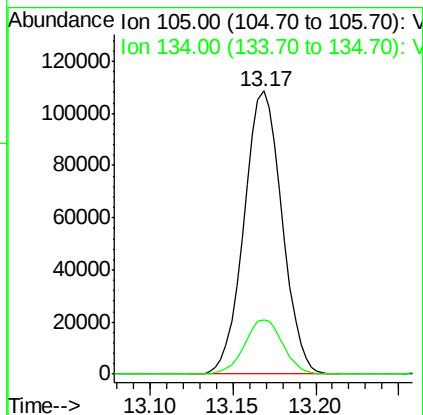
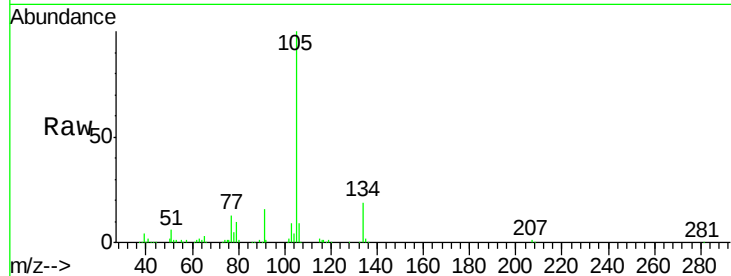
ClientSampleId :

VN0306WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.5

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#86

p-Isopropyltoluene

Concen: 17.126 ug/l

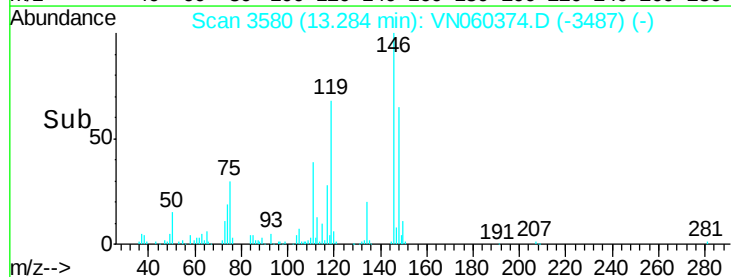
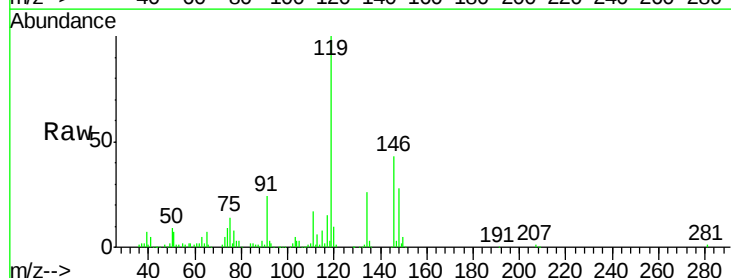
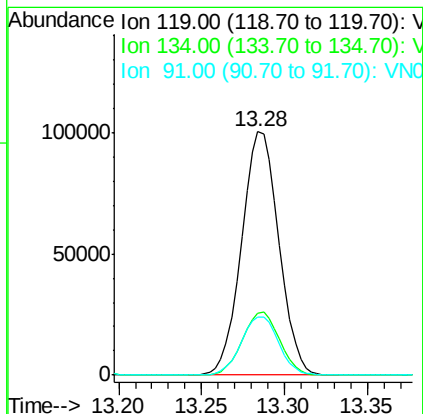
RT: 13.28 min Scan# 3580

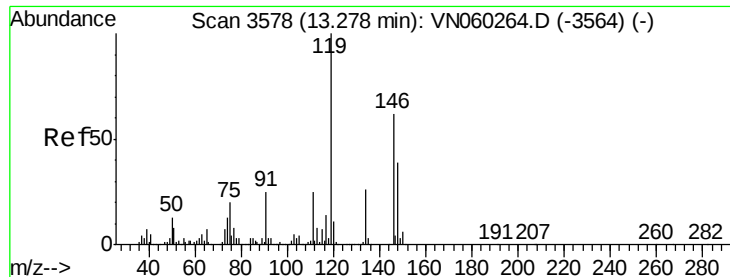
Delta R.T. -0.00 min

Lab File: VN060374.D

Acq: 6 Mar 2020 12:49

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.2	39.6
91	24.5	12.2	36.6





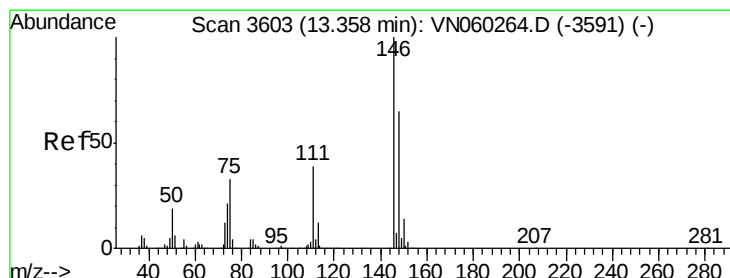
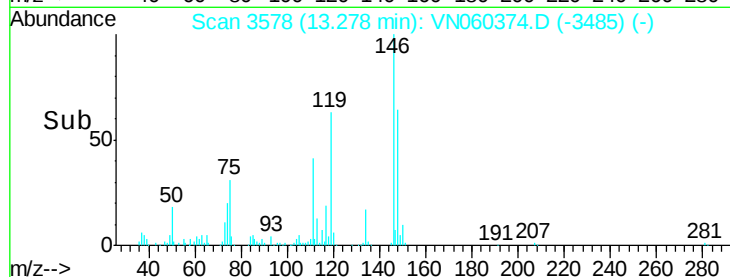
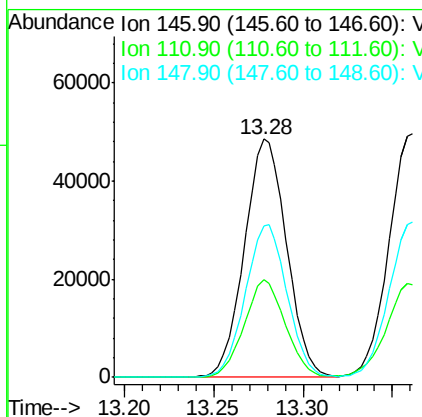
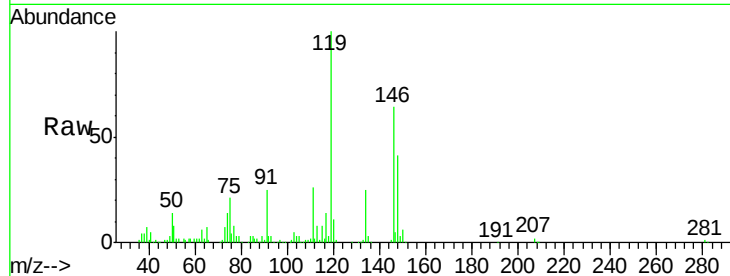
#87
 1,3-Dichlorobenzene
 Concen: 18.832 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060374.D
 Acq: 6 Mar 2020 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0306WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	59.9
148	63.3	32.1	96.3

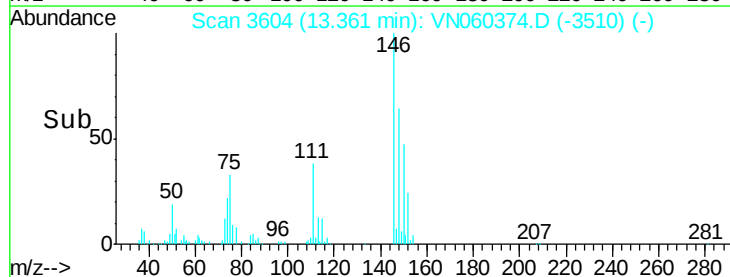
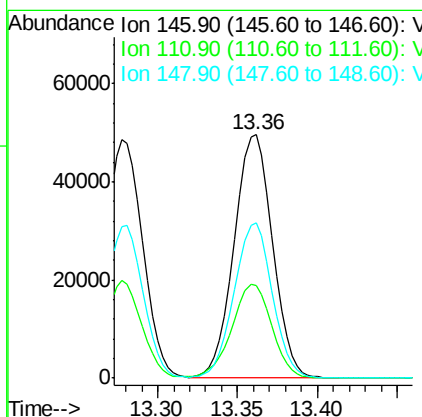
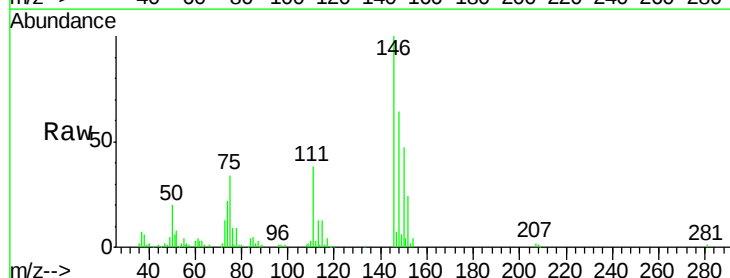
Manual Integrations
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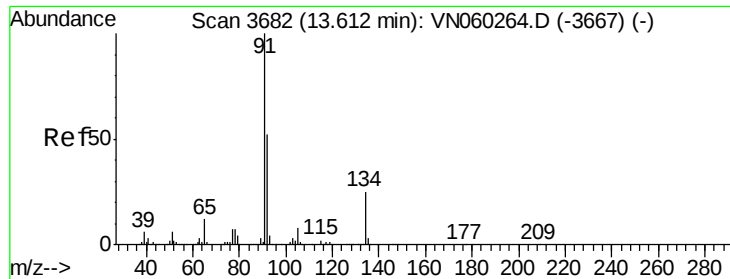
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#88
 1,4-Dichlorobenzene
 Concen: 19.125 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN060374.D
 Acq: 6 Mar 2020 12:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.8	59.4
148	63.3	32.3	96.9





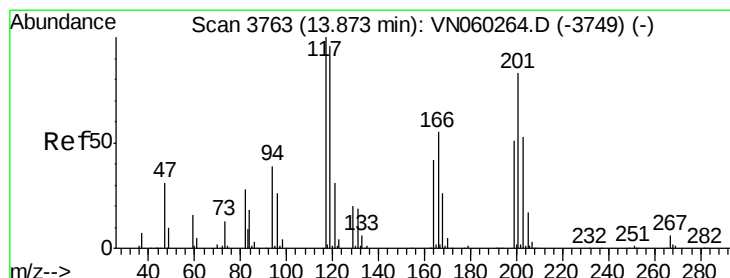
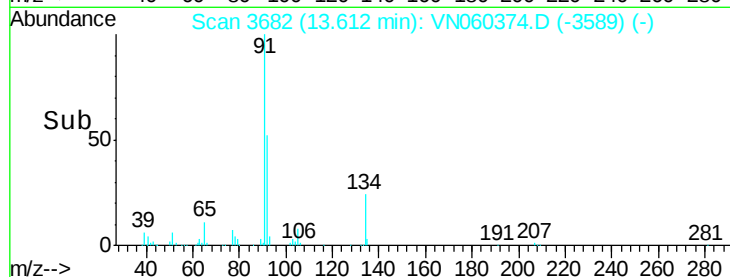
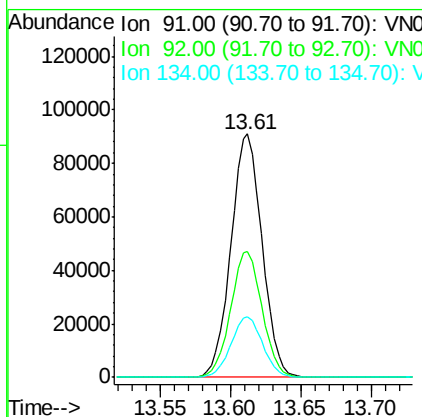
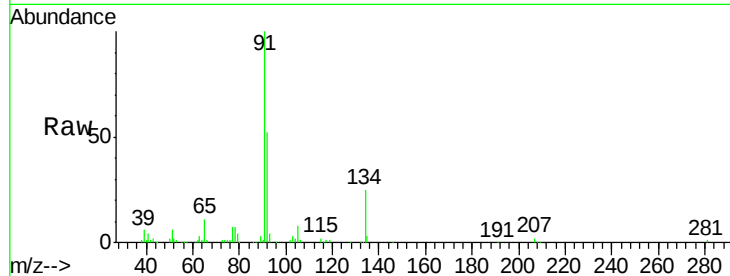
#89
n-Butylbenzene
Concen: 16.858 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN060374.D
Acq: 6 Mar 2020 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0306WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.0	78.0
134	25.1	12.7	38.1

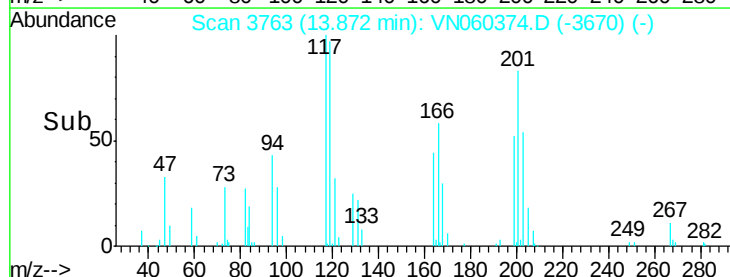
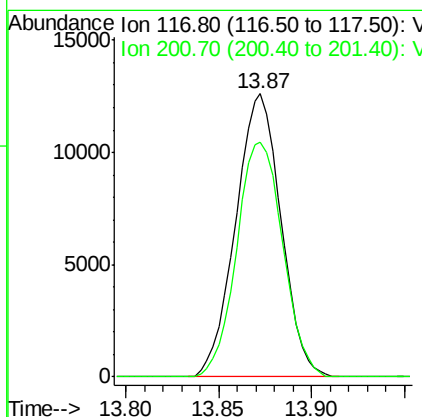
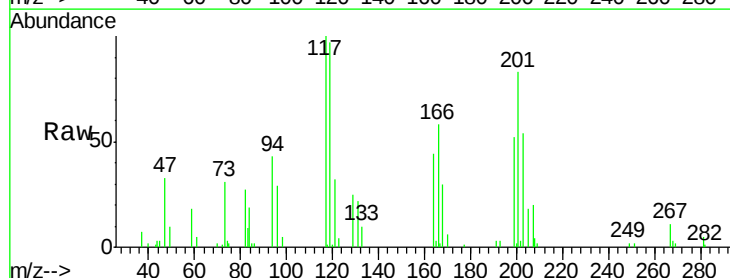
Manual Integrations
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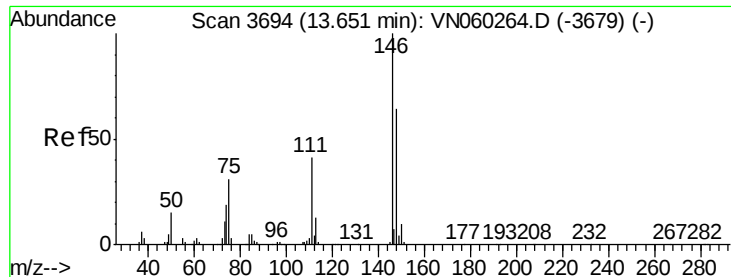
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3/9/2020 11:41:29 AM



#90
Hexachloroethane
Concen: 16.279 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN060374.D
Acq: 6 Mar 2020 12:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.2	41.0	123.0





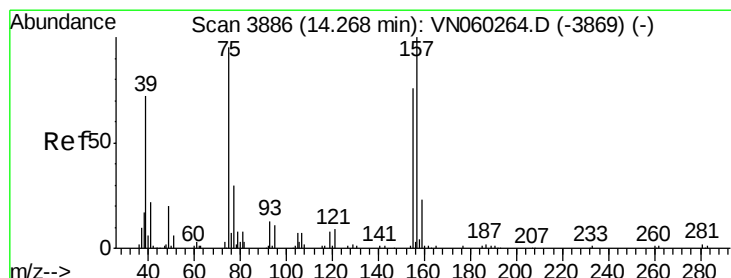
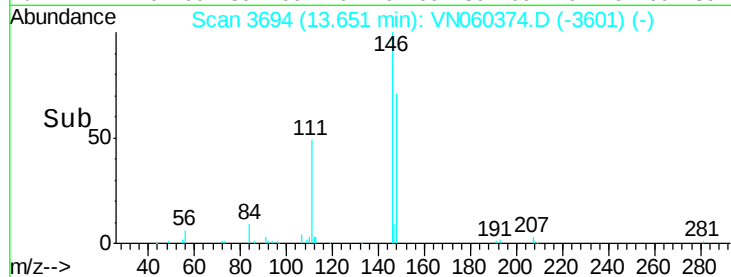
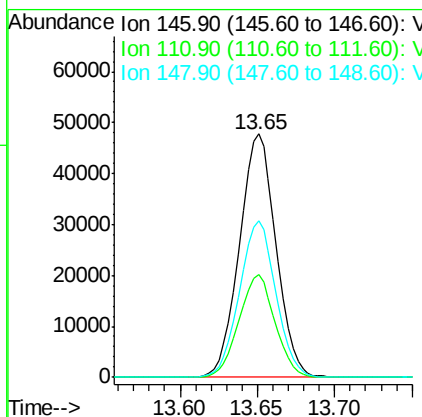
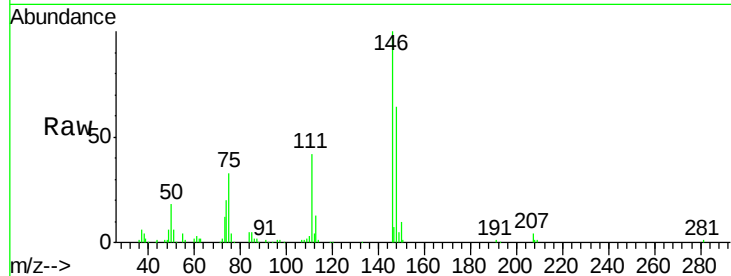
#91
 1,2-Dichlorobenzene
 Concen: 18.154 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN060374.D
 Acq: 6 Mar 2020 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0306WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.3	61.0
148	64.1	31.8	95.3

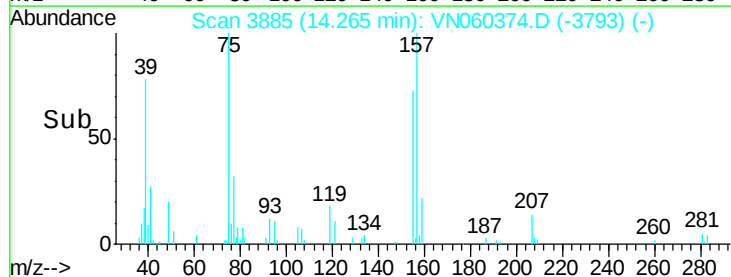
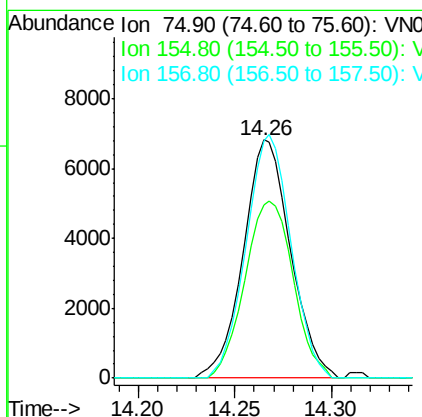
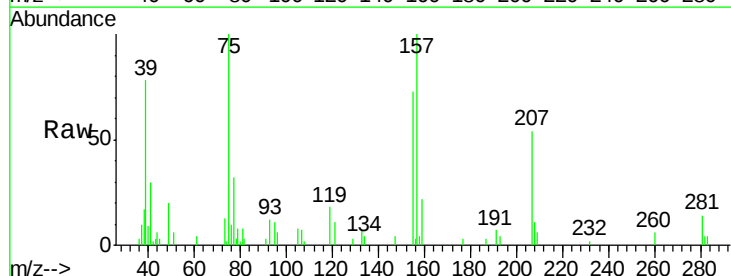
Manual Integrations
 APPROVED

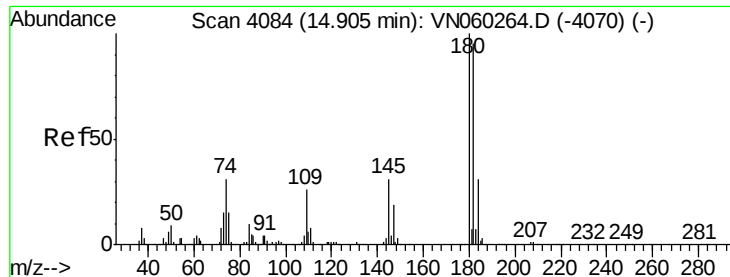
MMDadoda
 3/9/2020 11:41:29 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.747 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN060374.D
 Acq: 6 Mar 2020 12:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.7	40.4	121.2
157	97.0	52.5	157.5





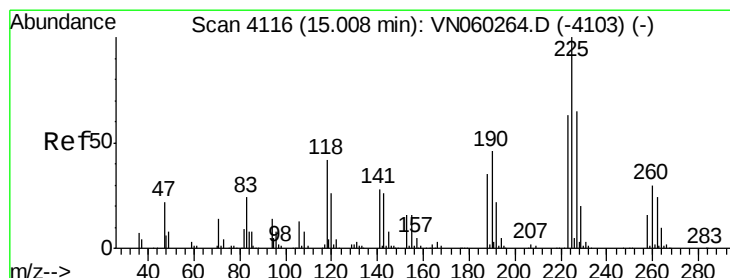
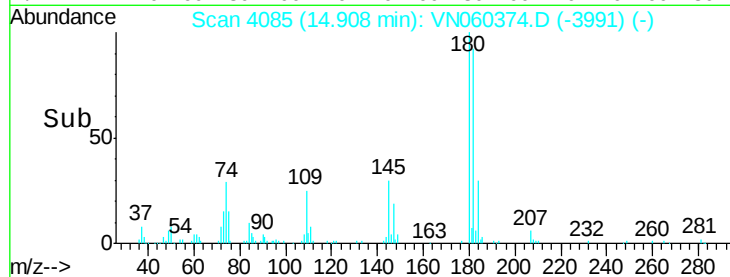
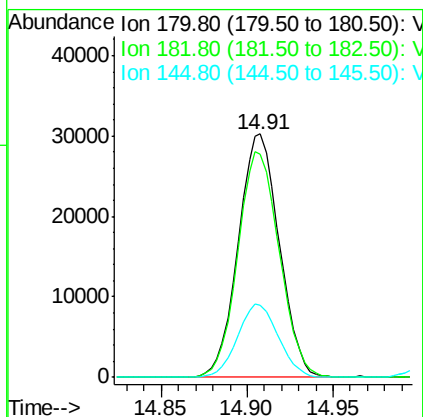
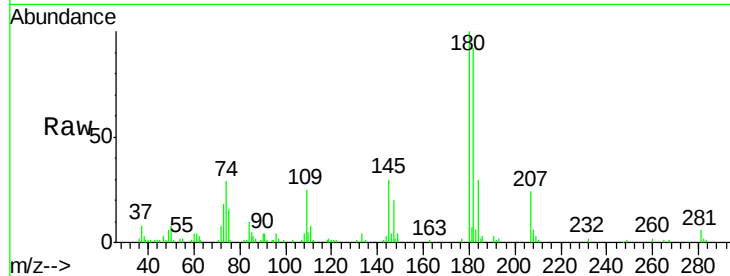
#93
 1,2,4-Trichlorobenzene
 Concen: 18.364 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060374.D
 Acq: 6 Mar 2020 12:49

Instrument :
 MSVOA_N
 ClientSampled :
 VN0306WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	50257		
182	93.6	47.8	143.3	
145	29.9	15.4	46.1	

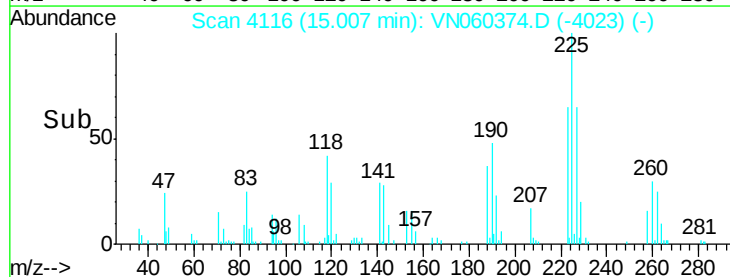
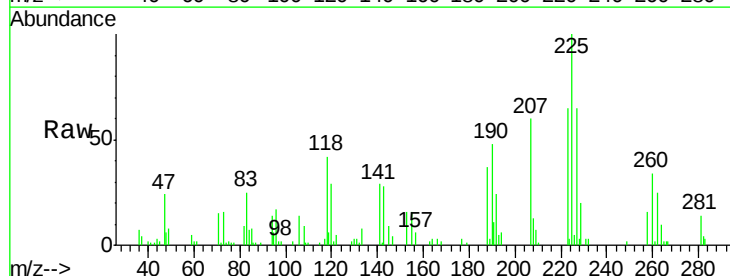
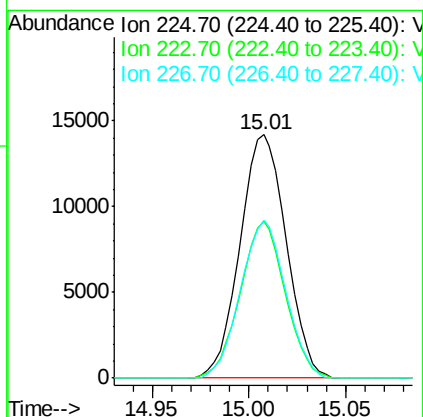
Manual Integrations
 APPROVED

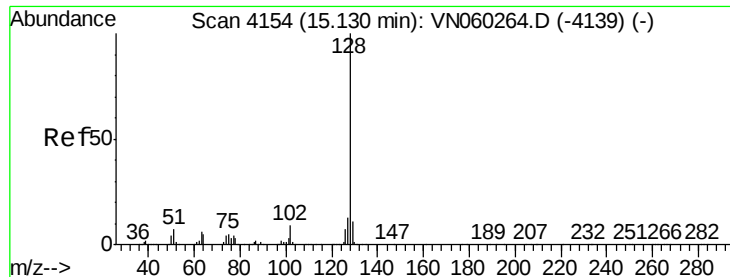
MMDadoda
 3/9/2020 11:41:29 AM



#94
 Hexachlorobutadiene
 Concen: 18.324 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060374.D
 Acq: 6 Mar 2020 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	23580		
223	62.6	31.3	93.9	
227	63.1	32.3	96.9	





#95

Naphthalene

Concen: 17.432 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060374.D

Acq: 6 Mar 2020 12:49

Instrument :

MSVOA_N

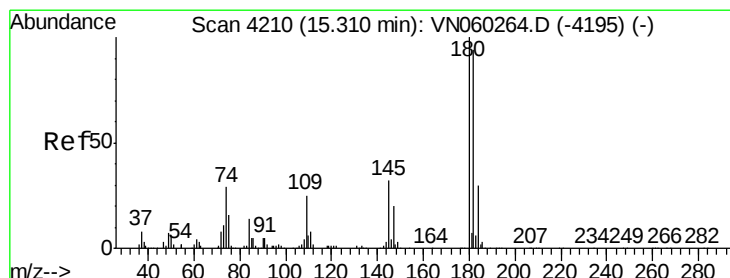
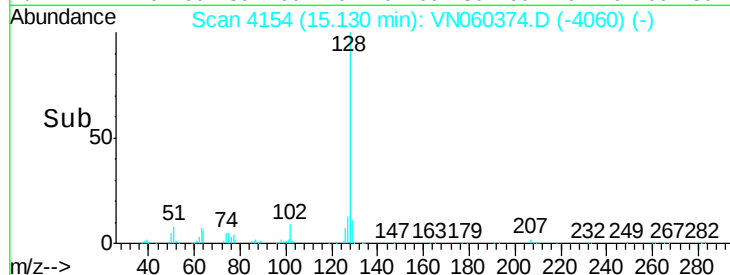
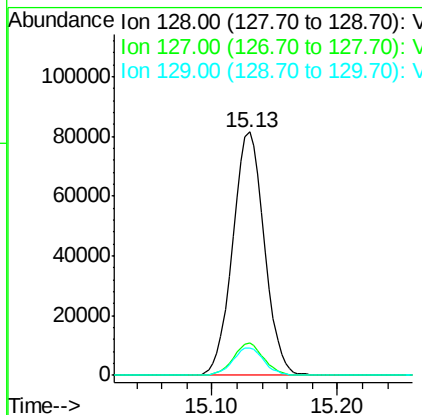
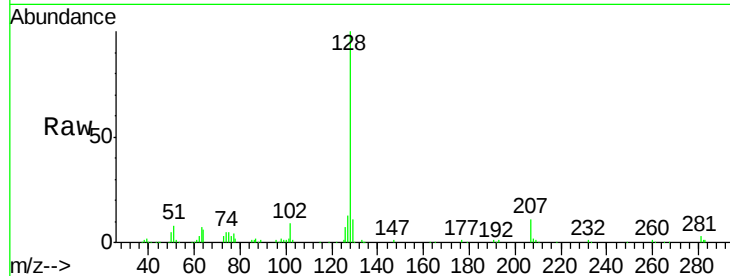
ClientSampleId :

VN0306WBSD01

Tot Ion:	128	Resp:	142377
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/9/2020 11:41:29 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.287 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060374.D

Acq: 6 Mar 2020 12:49

Tgt Ion:	180	Resp:	47576
Ion Ratio	Lower	Upper	
180	100		
182	93.3	47.3	142.0
145	32.5	16.2	48.5

