

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092019\
 Data File : VN058234.D
 Acq On : 20 Sep 2019 8:47
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 9/23/2019 3:29:31 PM

Quant Time: Sep 23 03:35:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N090919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 09 12:14:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	75523	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	439939	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	397348	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	201705	30.19	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.63%
60) 4-Bromofluorobenzene	12.40	95	204734	30.11	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.37%
63) Toluene-d8	10.08	98	563920	29.57	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.57%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	89033	19.512	ug/l 99
3) Chloromethane	2.04	50	96396	16.942	ug/l 99
4) Vinyl Chloride	2.17	62	98436	16.910	ug/l 99
5) Bromomethane	2.55	94	48027	13.220	ug/l 95
6) Chloroethane	2.69	64	61333	16.953	ug/l 99
7) Trichlorofluoromethane	3.00	101	122662	18.239	ug/l 96
8) Diethyl Ether	3.39	74	54628	20.135	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	87891	20.929	ug/l 99
10) 1,1-Dichloroethene	3.71	96	78793	19.731	ug/l 89
11) Methyl Iodide	3.93	142	76827	14.379	ug/l 99
12) Methyl Acetate	4.30	43	105447	19.241	ug/l 93
13) Acrolein	3.58	56	32351	108.799	ug/l 97
14) Acrylonitrile	4.95	53	214918	96.199	ug/l # 91
15) Acetone	3.79	58	71133	112.151	ug/l 98
16) Carbon Disulfide	4.03	76	163422	17.574	ug/l 100
17) Allyl chloride	4.30	41	144562	19.755	ug/l 91
18) Methylene Chloride	4.53	84	98656	19.605	ug/l 95
19) trans-1,2-Dichloroethene	5.01	96	85703	19.256	ug/l 98
20) Diisopropyl ether	5.92	45	327854	19.165	ug/l 99
21) 1,1-Dichloroethane	5.82	63	186752	19.798	ug/l 100
22) cis-1,2-Dichloroethene	6.81	96	109254	20.034	ug/l 98
23) tert-Butyl Alcohol	4.75	59	64142	87.945	ug/l # 100
24) Methyl tert-Butyl Ether	5.01	73	294967	19.271	ug/l # 100
25) Chloroform	7.35	83	191794	19.971	ug/l 100
26) Cyclohexane	7.63	56	150819	19.029	ug/l # 97
29) 1,1-Dichloropropene	7.78	75	135973	19.647	ug/l 99
30) 2-Butanone	6.81	43	327460	104.936	ug/l # 94
31) 2,2-Dichloropropane	6.80	77	146456	20.043	ug/l 97
32) 1,1,1-Trichloroethane	7.55	97	156670	20.134	ug/l 100
33) Carbon Tetrachloride	7.75	117	123055	19.385	ug/l 97
34) Benzene	8.02	78	410602	20.023	ug/l 98
35) Methacrylonitrile	7.15	41	47713	16.485	ug/l 98
36) 1,2-Dichloroethane	8.11	62	158630	19.934	ug/l 100
37) Trichloroethene	8.82	130	99529	19.983	ug/l 99
38) Methylcyclohexane	9.07	83	156901	19.910	ug/l 99
39) 1,2-Dichloropropane	9.11	63	115530	20.061	ug/l 98
40) Dibromomethane	9.20	93	69261	19.773	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.39	83	135577	19.199	ug/l	97
42) Vinyl Acetate	5.87	43	1304572	104.017	ug/l	100
43) Ethyl Acetate	6.90	43	122729	19.277	ug/l #	84
44) Isopropyl Acetate	8.15	43	218824	19.713	ug/l #	92
45) 1,4-Dioxane	9.19	88	30567	350.424	ug/l	97
46) Methyl methacrylate	9.19	41	101083	18.641	ug/l	98
47) n-amyl Acetate	12.07	43	184232	18.067	ug/l	95
48) t-1,3-Dichloropropene	10.38	75	141886	18.873	ug/l	100
49) cis-1,3-Dichloropropene	9.83	75	162406	19.254	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	101737	20.024	ug/l	98
51) Ethyl methacrylate	10.43	69	147897	18.774	ug/l	97
52) 1,3-Dichloropropane	10.70	76	175811	19.787	ug/l	100
53) Dibromochloromethane	10.90	129	94529	18.839	ug/l	97
54) 1,2-Dibromoethane	11.00	107	98073	19.401	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	335339	89.582	ug/l	99
56) Bromoform	12.13	173	55543	17.868	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	635610	103.150	ug/l	99
59) 2-Hexanone	10.75	43	484030	104.675	ug/l	100
61) Tetrachloroethene	10.63	164	80555	19.940	ug/l	98
62) Toluene	10.15	91	445844	20.264	ug/l	99
64) Chlorobenzene	11.43	112	269975	19.781	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	93667	19.766	ug/l	99
66) Ethyl Benzene	11.51	91	494741	20.604	ug/l	99
67) m/p-Xylenes	11.62	106	359741	39.252	ug/l	97
68) o-Xylene	11.95	106	172455	19.207	ug/l	98
69) Styrene	11.97	104	298859	19.523	ug/l	99
70) Isopropylbenzene	12.25	105	489779	20.634	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	145446	19.606	ug/l	100
72) 1,2,3-Trichloropropane	12.56	75	128675m	19.542	ug/l	
73) Bromobenzene	12.53	156	112612	19.816	ug/l	99
74) n-propylbenzene	12.59	91	576946	21.274	ug/l	99
75) 2-Chlorotoluene	12.68	91	341345	20.208	ug/l	99
76) 1,3,5-Trimethylbenzene	12.74	105	405075	20.041	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	33869	17.339	ug/l	98
78) 4-Chlorotoluene	12.78	91	350707	20.354	ug/l	98
79) tert-butylbenzene	13.00	119	347109	19.684	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	410205	20.368	ug/l	99
81) sec-Butylbenzene	13.18	105	475851	20.339	ug/l	100
82) p-Isopropyltoluene	13.29	119	424347	20.253	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	209594	19.842	ug/l	98
84) 1,4-Dichlorobenzene	13.37	146	207038	19.908	ug/l	98
85) n-Butylbenzene	13.62	91	379400	19.429	ug/l	97
86) Hexachloroethane	13.88	117	59668	17.879	ug/l	97
87) 1,2-Dichlorobenzene	13.66	146	206206	20.111	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.28	75	24469	18.733	ug/l	97
89) 1,2,4-Trichlorobenzene	14.92	180	117971	18.835	ug/l	98
90) Hexachlorobutadiene	15.01	225	61329	21.320	ug/l	99
91) Naphthalene	15.13	128	299982	17.406	ug/l	98
92) 1,2,3-Trichlorobenzene	15.30	180	110222	18.452	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

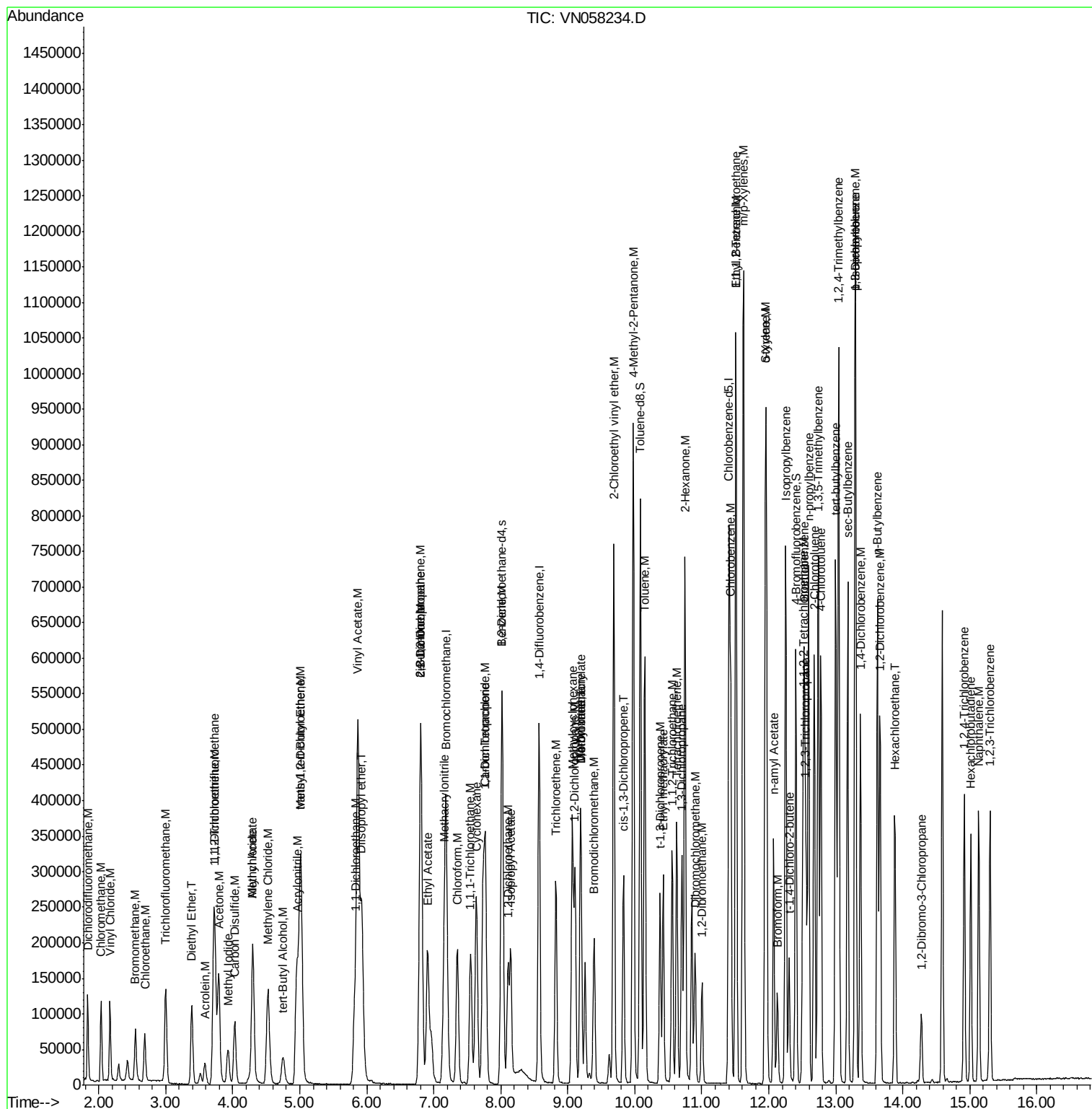
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092019\
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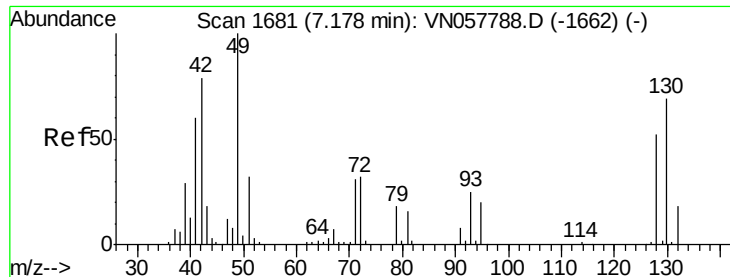
Instrument :
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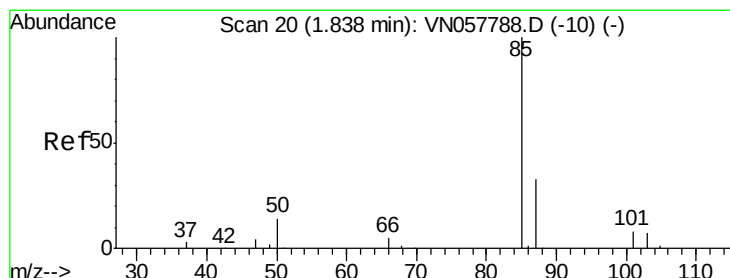
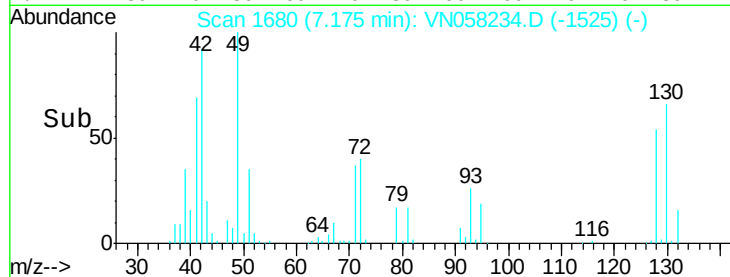
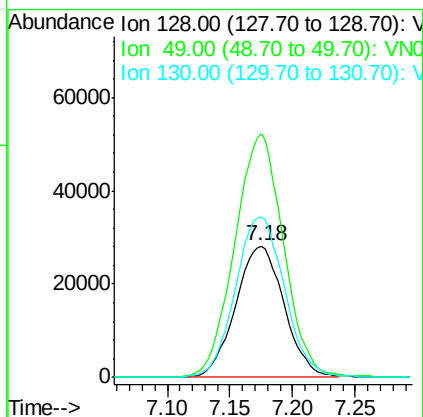
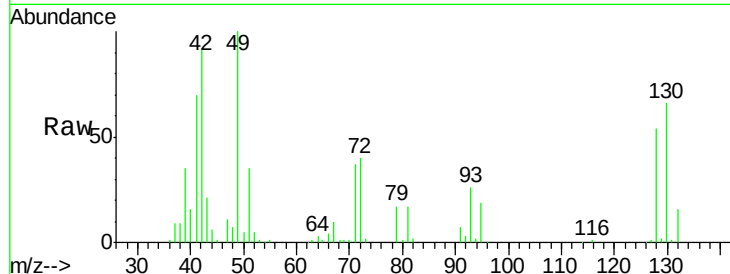
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Instrument :
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ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
49	186.8	0.0	486.5
130	124.4	0.0	324.5

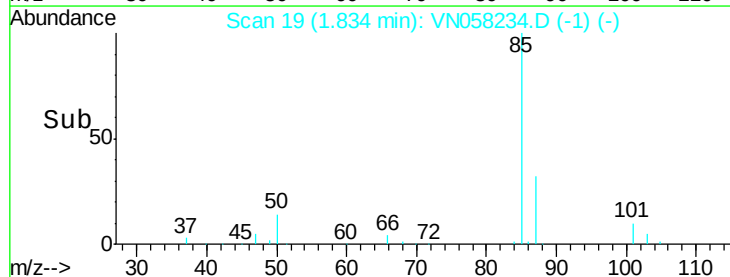
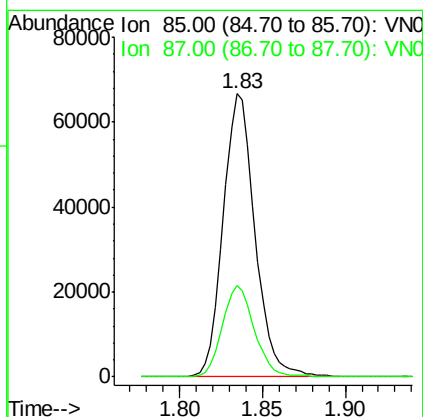
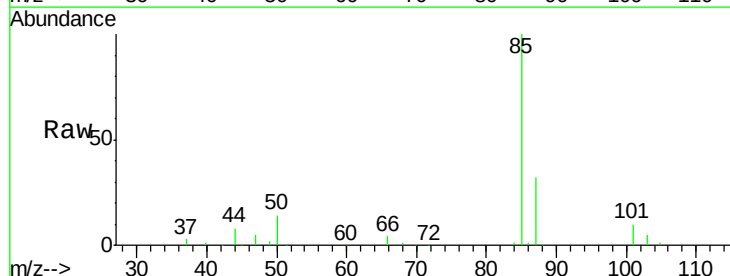
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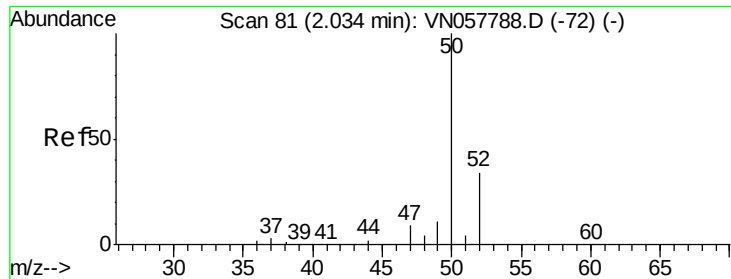
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#2
Dichlorodifluoromethane
Concen: 19.512 ug/l
RT: 1.83 min Scan# 19
Delta R.T. -0.00 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.4	49.4





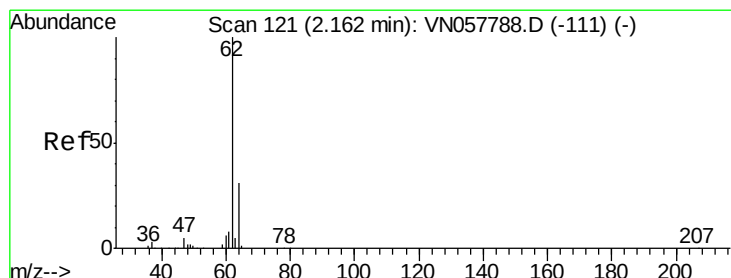
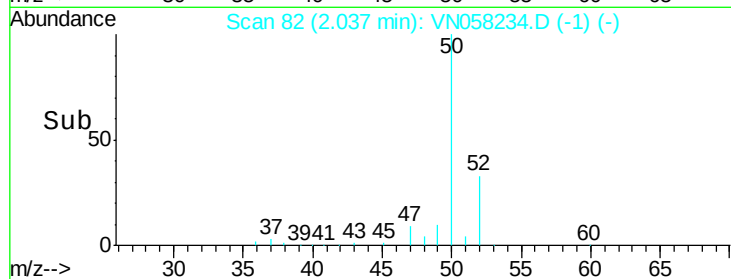
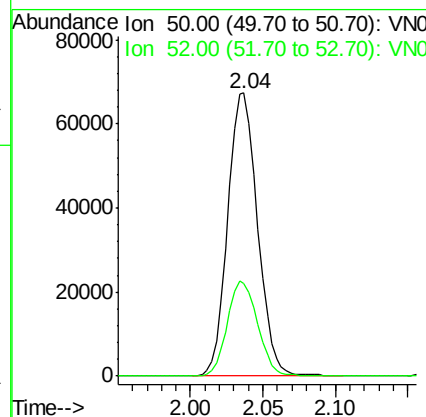
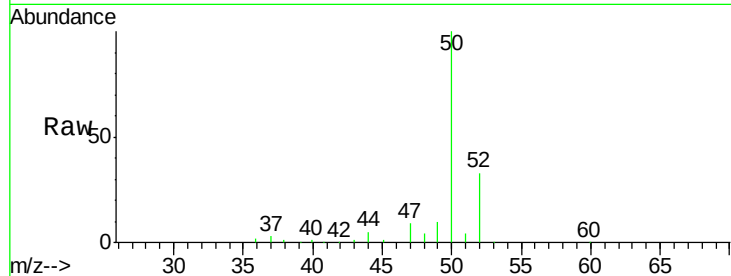
#3
Chloromethane
Concen: 16.942 ug/l
RT: 2.04 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.9	40.3

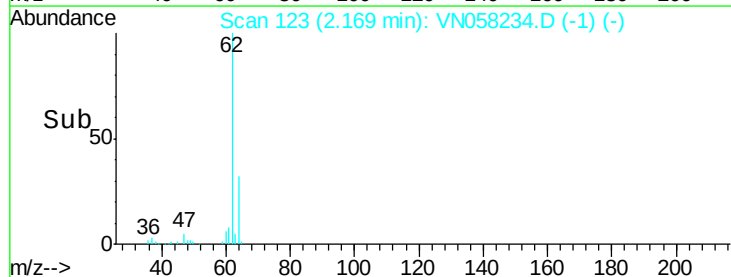
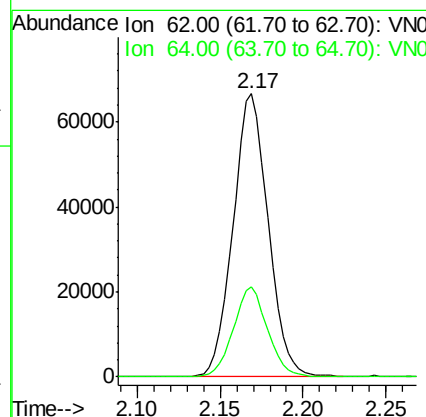
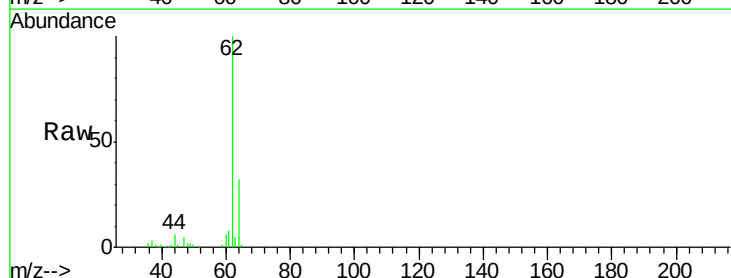
Manual Integrations
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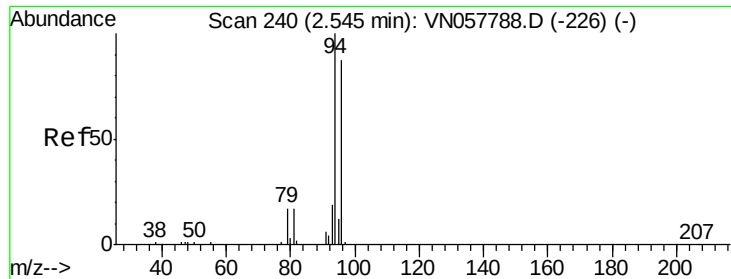
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#4
Vinyl Chloride
Concen: 16.910 ug/l
RT: 2.17 min Scan# 123
Delta R.T. 0.01 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.0	25.0	37.6





#5

Bromomethane

Concen: 13.220 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.00 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 48027

Ion Ratio Lower Upper

94 100

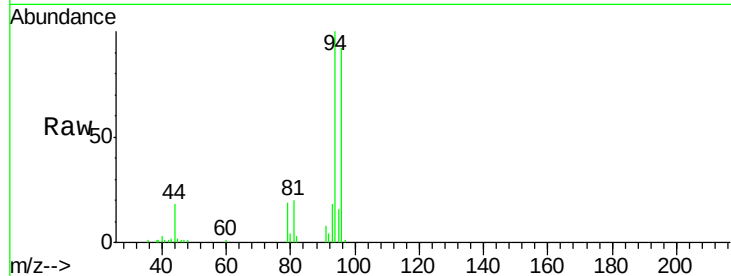
96 91.5 69.2 103.8

Manual Integrations

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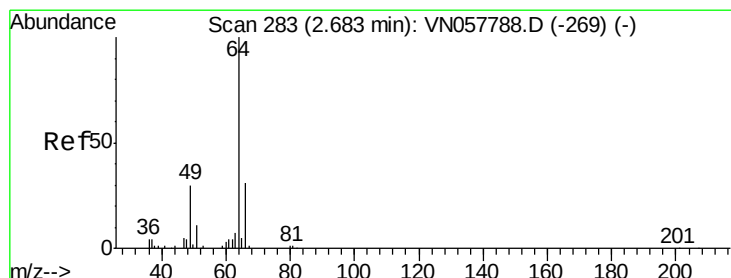
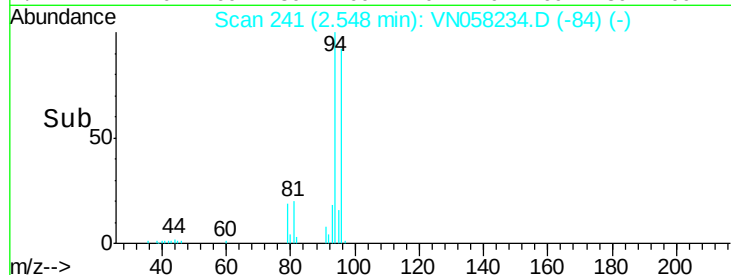
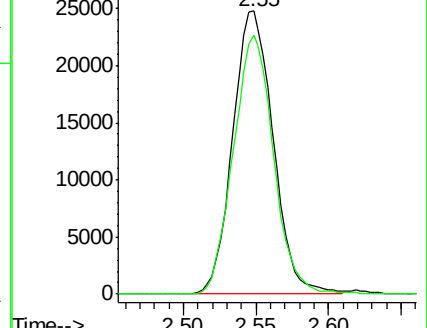
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 16.953 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058234.D

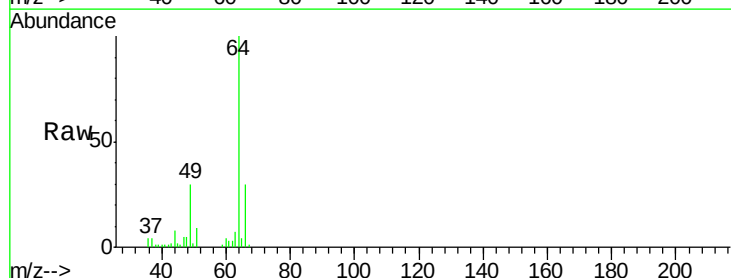
Acq: 20 Sep 2019 8:47

Tgt Ion: 64 Resp: 61333

Ion Ratio Lower Upper

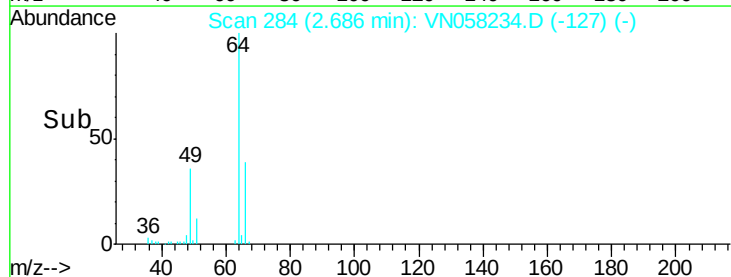
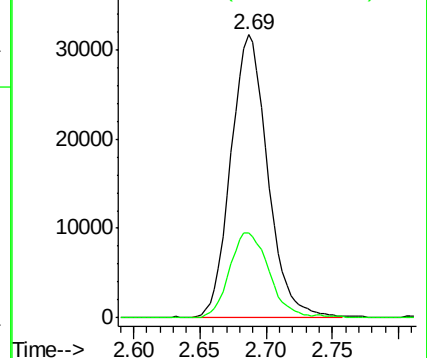
64 100

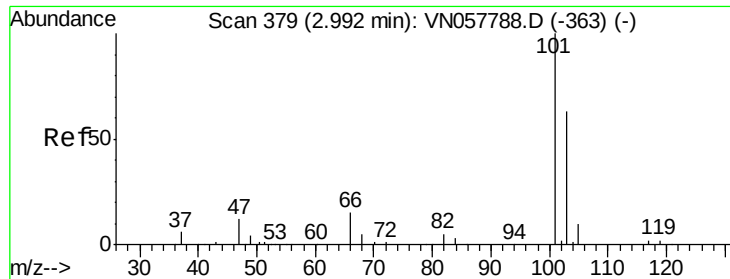
66 30.0 24.4 36.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

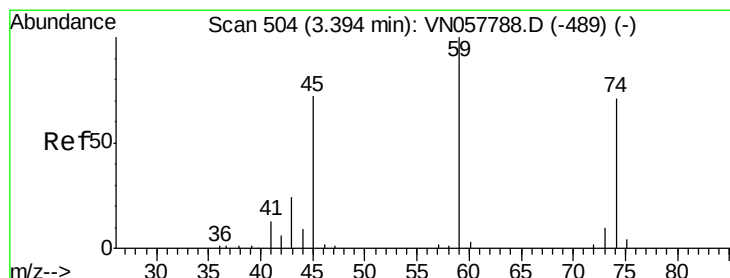
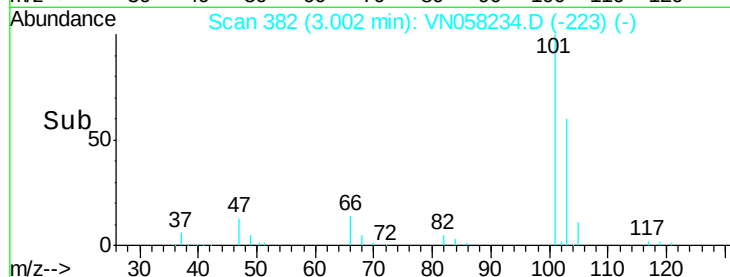
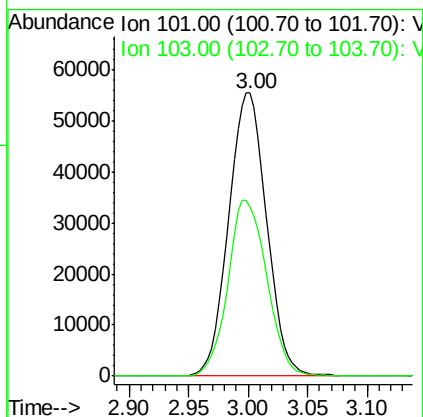
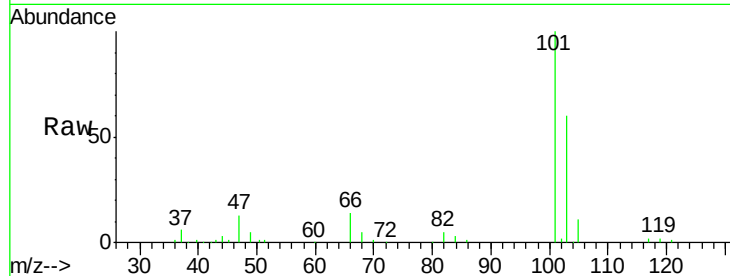
Trichlorofluoromethane
Concen: 18.239 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.01 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Instrument :
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ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		122662		
103	59.9	50.2	75.2		

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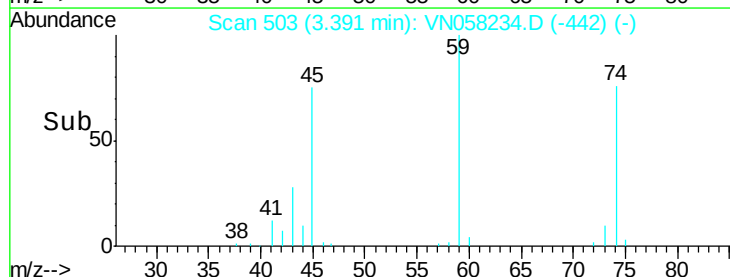
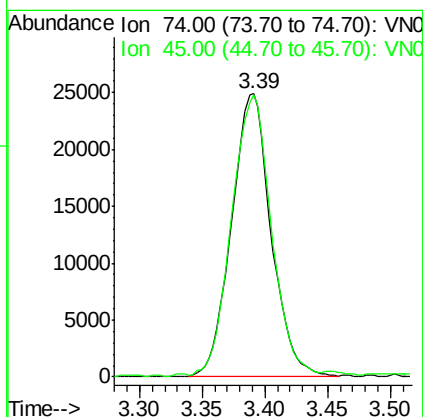
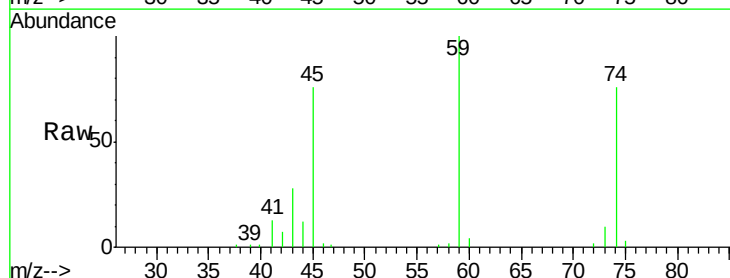
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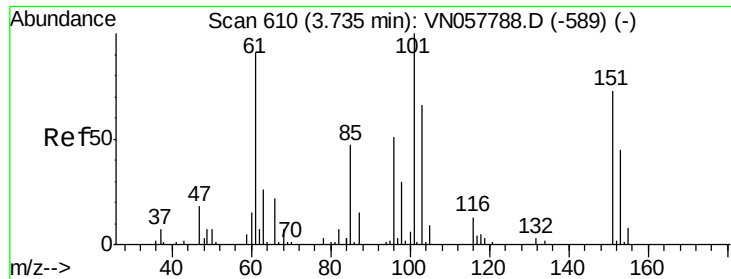


#8

Diethyl Ether
Concen: 20.135 ug/l
RT: 3.39 min Scan# 503
Delta R.T. -0.00 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		54628		
45	99.3	20.3	182.5		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.929 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Instrument :

MSVOA_N

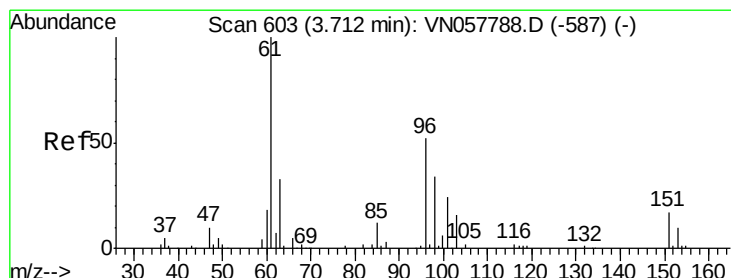
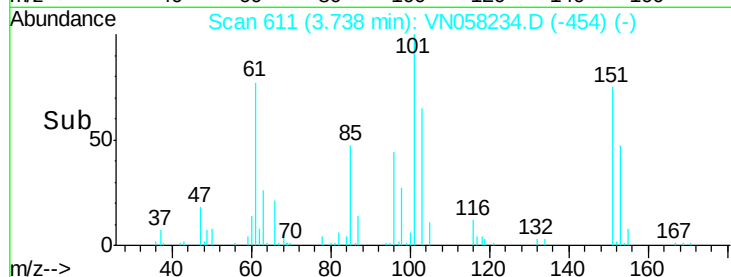
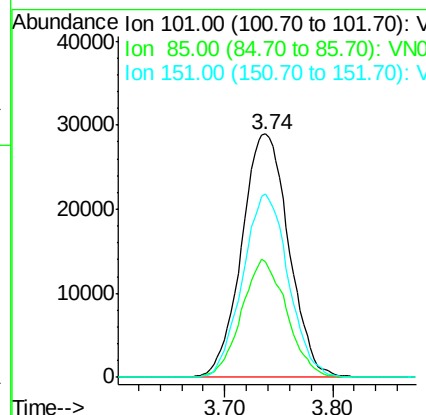
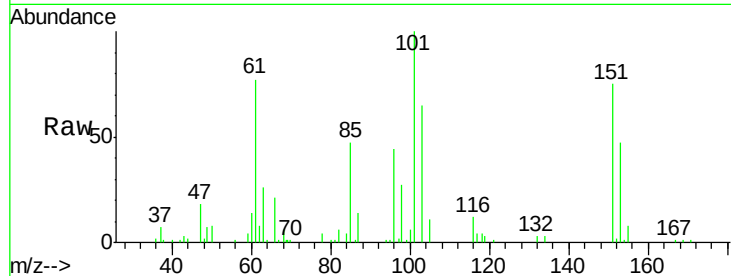
ClientSampleId :

VSTDCCC020

Tot Ion:	101	Resp:	87891
Ion Ratio	Lower	Upper	
101	100		
85	46.3	0.0	94.0
151	73.0	0.0	144.4

Manual Integrations
APPROVED

MMDadoda
9/23/2019 3:29:31 PM



#10

1,1-Dichloroethene

Concen: 19.731 ug/l

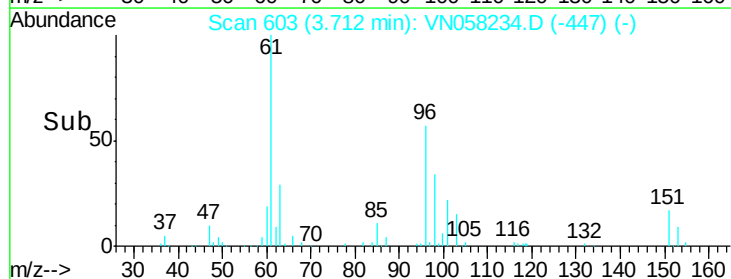
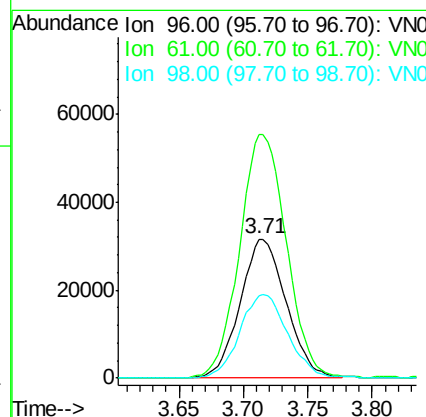
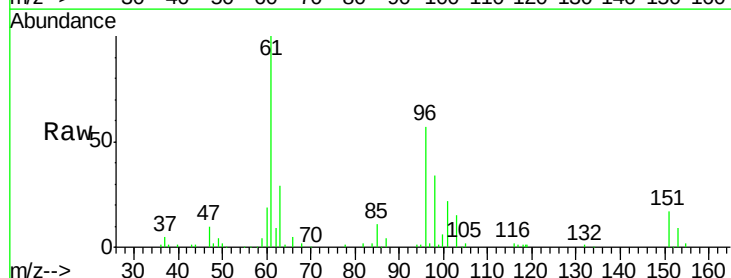
RT: 3.71 min Scan# 603

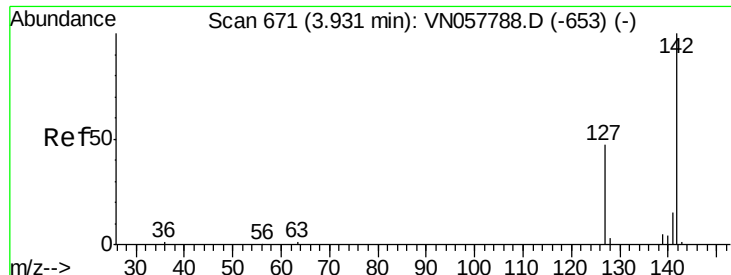
Delta R.T. 0.00 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Tgt Ion:	96	Resp:	78793
Ion Ratio	Lower	Upper	
96	100		
61	174.2	153.4	230.0
98	59.2	51.5	77.3





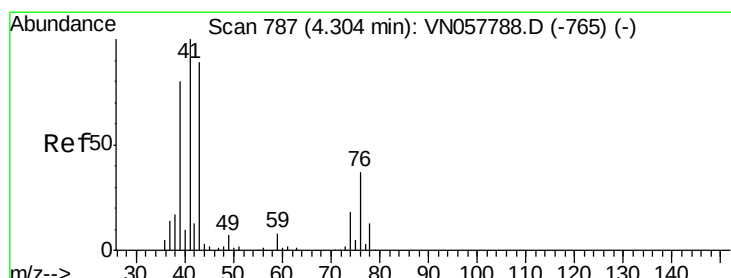
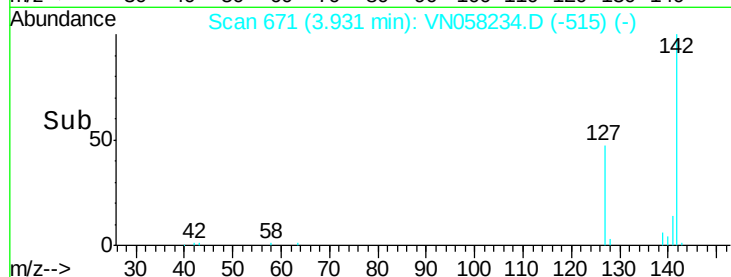
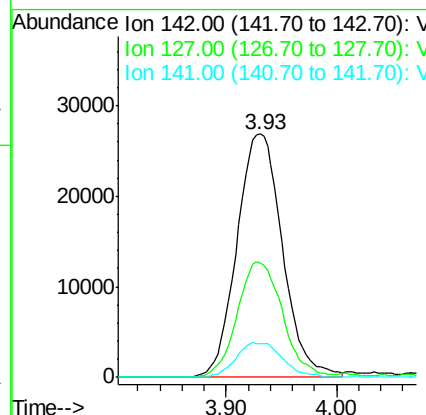
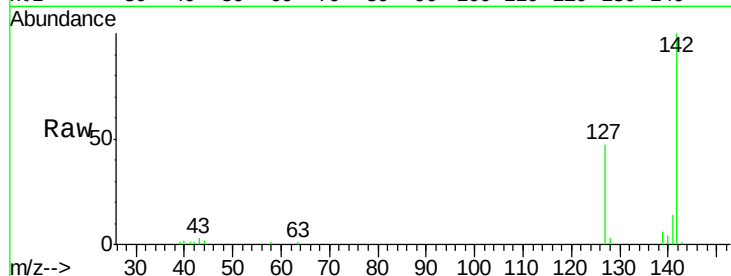
#11
Methvl Iodide
Concen: 14.379 ug/l
RT: 3.93 min Scan# 671
Delta R.T. 0.00 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	46.7	23.3	69.8
141	13.8	7.5	22.6

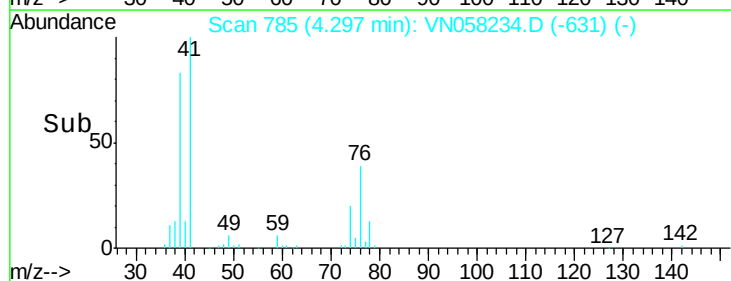
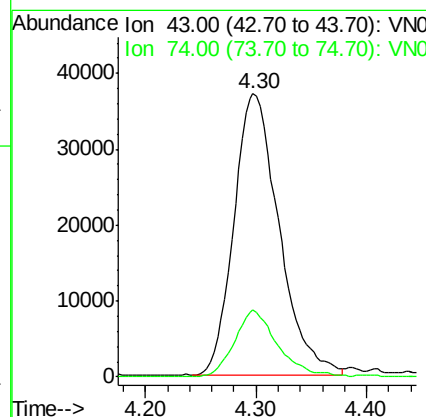
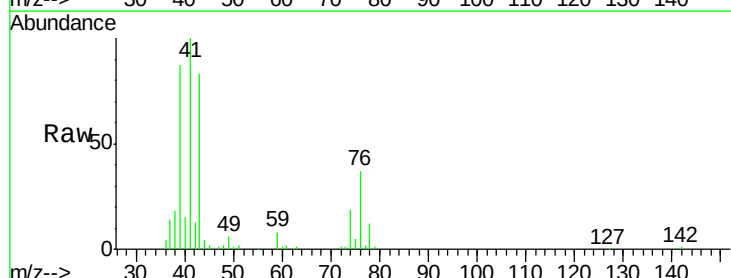
Manual Integrations
APPROVED

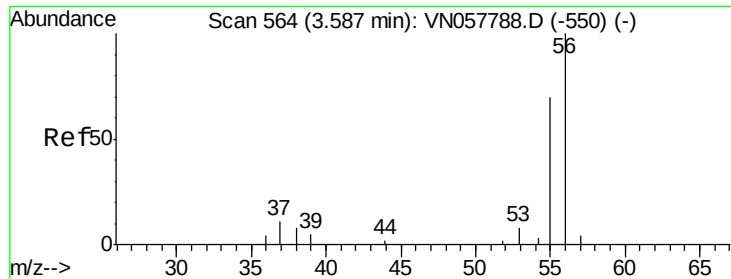
MMDadoda
9/23/2019 3:29:31 PM



#12
Methyl Acetate
Concen: 19.241 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.01 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	16.2	24.4





#13

Acrolein

Concen: 108.799 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 56 Resp: 32351

Ion Ratio Lower Upper

56 100

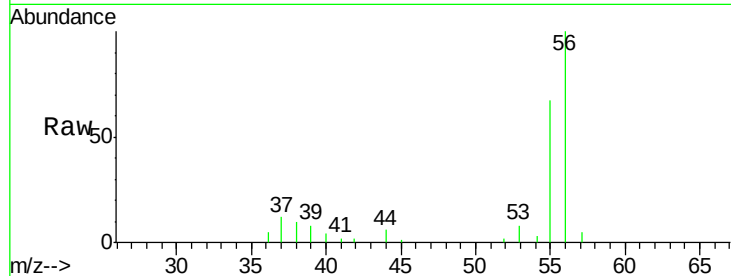
55 71.0 59.0 88.4

Manual Integrations

APPROVED

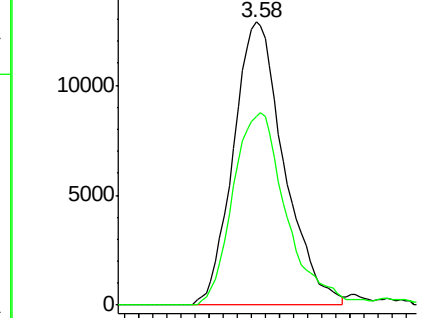
MMDadoda

9/23/2019 3:29:31 PM

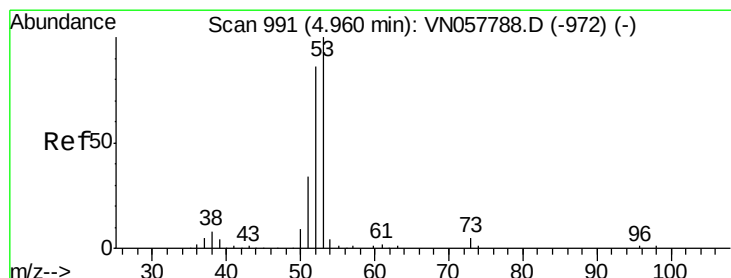
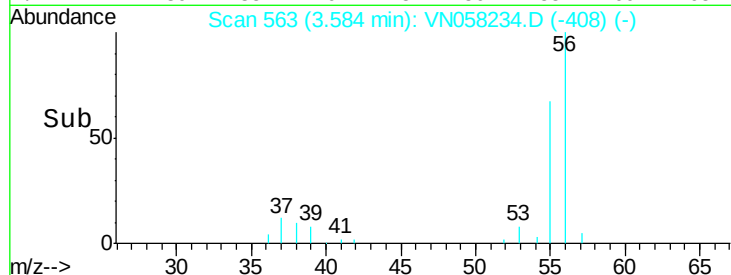


Abundance Ion 56.00 (55.70 to 56.70): VN058234.D (-408) (-)

Ion 55.00 (54.70 to 55.70): VN058234.D (-408) (-)



Time-->



#14

Acrylonitrile

Concen: 96.199 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.01 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

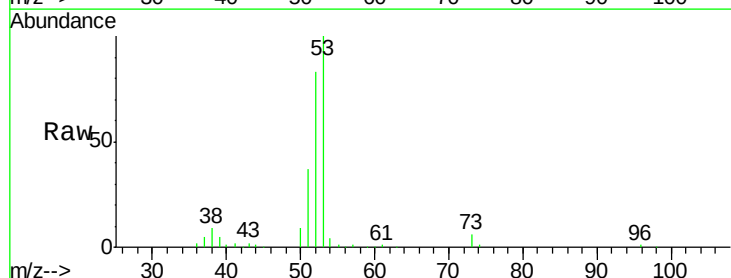
Tgt Ion: 53 Resp: 214918

Ion Ratio Lower Upper

53 100

52 81.6 41.0 123.0

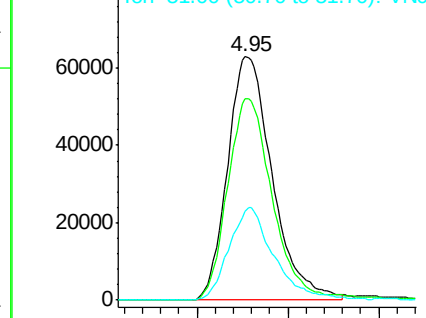
51 38.2 8.6 25.8#



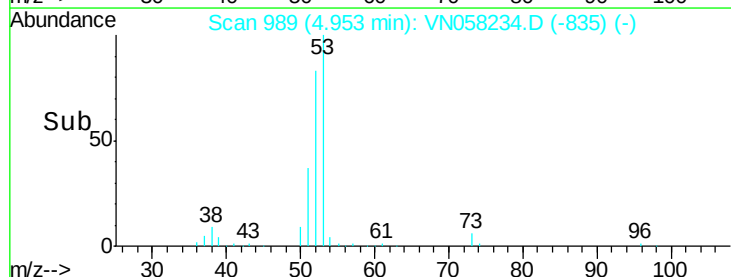
Abundance Ion 53.00 (52.70 to 53.70): VN058234.D (-835) (-)

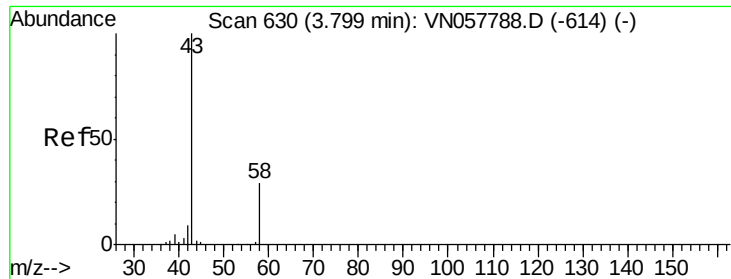
Ion 52.00 (51.70 to 52.70): VN058234.D (-835) (-)

Ion 51.00 (50.70 to 51.70): VN058234.D (-835) (-)



Time-->





#15

Acetone

Concen: 112.151 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.01 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 71133

Ion Ratio Lower Upper

58 100

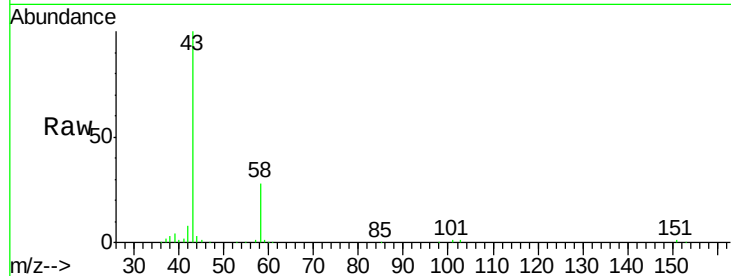
43 350.5 277.7 416.5

Manual Integrations

APPROVED

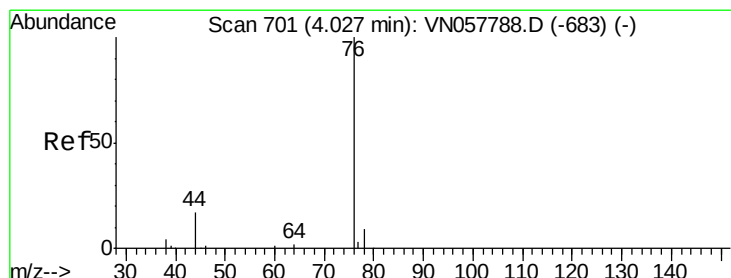
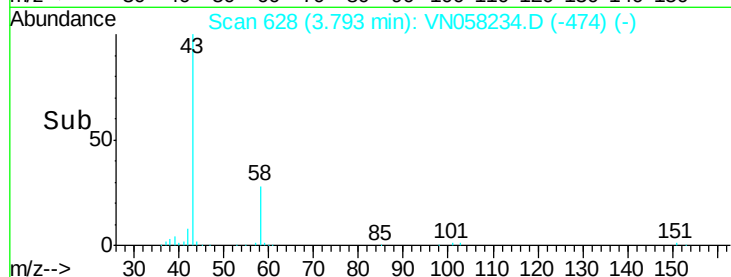
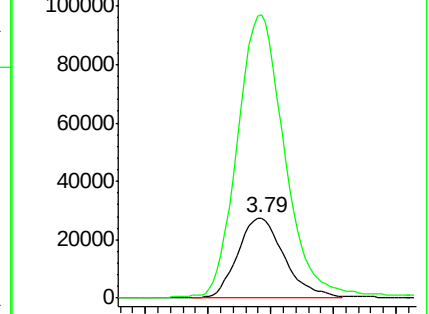
MMDadoda

9/23/2019 3:29:31 PM



Abundance Ion 58.00 (57.70 to 58.70): VN057788.D (-614) (-)

Ion 43.00 (42.70 to 43.70): VN057788.D (-614) (-)



#16

Carbon Disulfide

Concen: 17.574 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058234.D

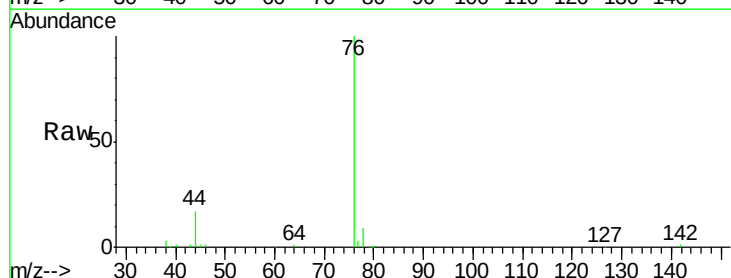
Acq: 20 Sep 2019 8:47

Tgt Ion: 76 Resp: 163422

Ion Ratio Lower Upper

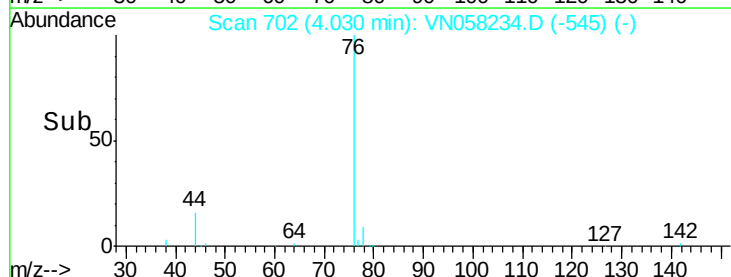
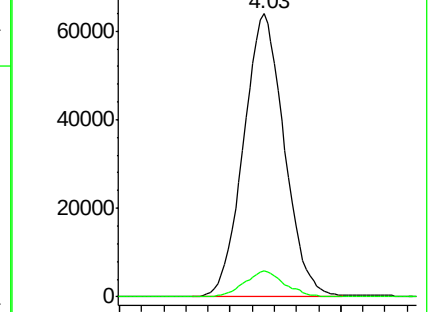
76 100

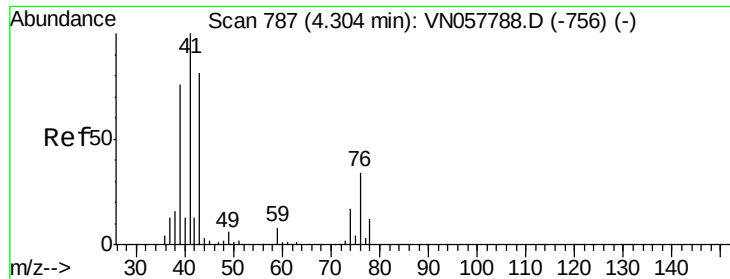
78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN057788.D (-683) (-)

Ion 78.00 (77.70 to 78.70): VN057788.D (-683) (-)





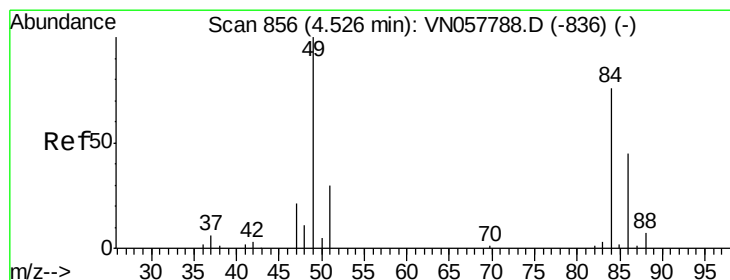
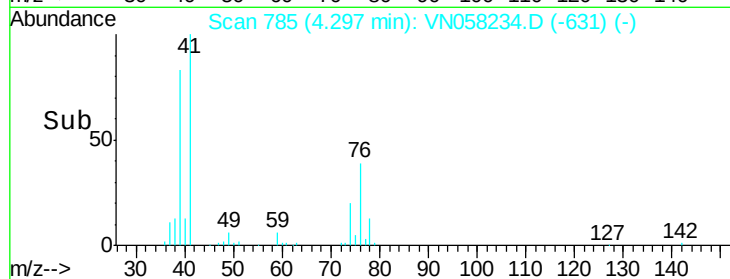
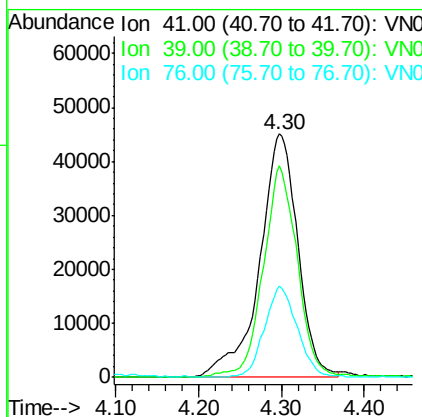
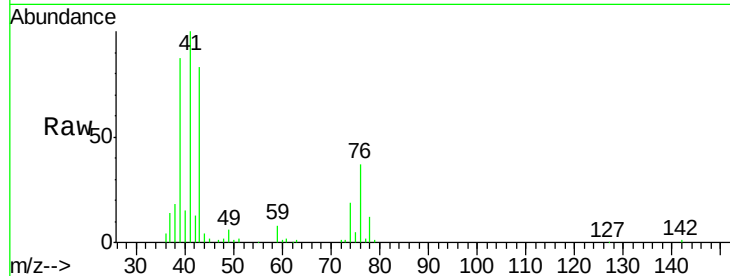
#17
Allvl chloride
Concen: 19.755 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.01 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	86.7	38.5	115.3
76	37.0	17.2	51.6

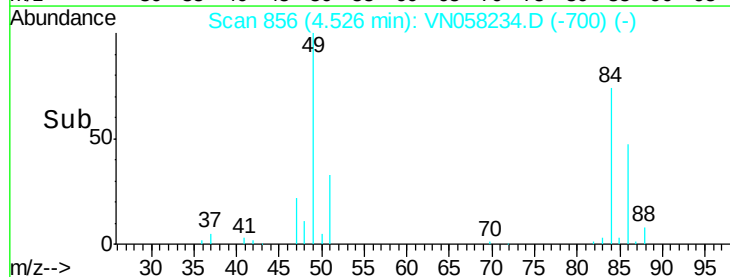
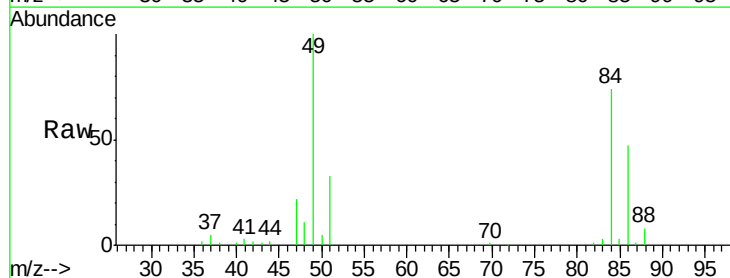
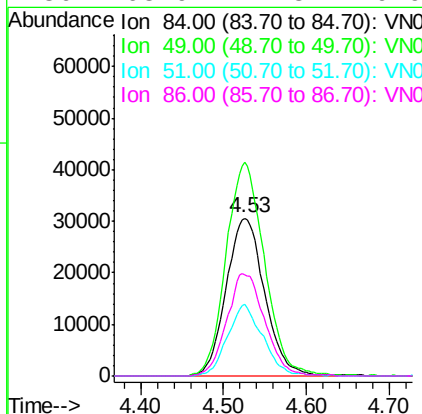
Manual Integrations
APPROVED

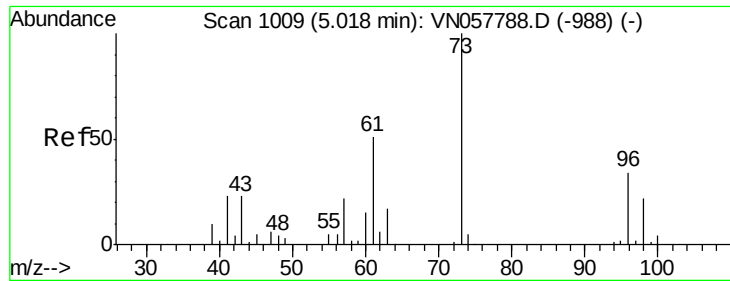
MMDadoda
9/23/2019 3:29:31 PM



#18
Methylene Chloride
Concen: 19.605 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	135.5	105.4	158.2
51	45.3	31.3	46.9
86	63.9	47.3	70.9





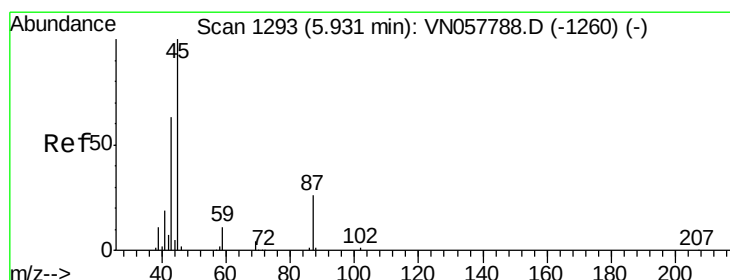
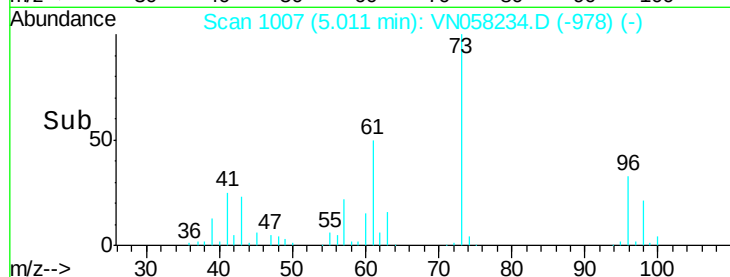
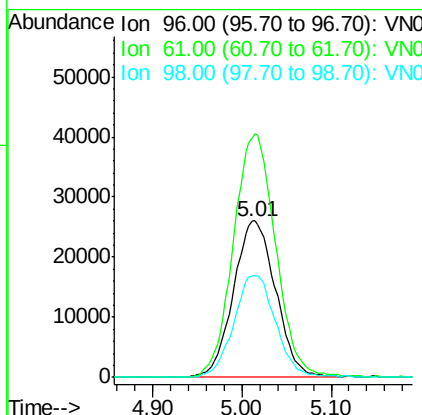
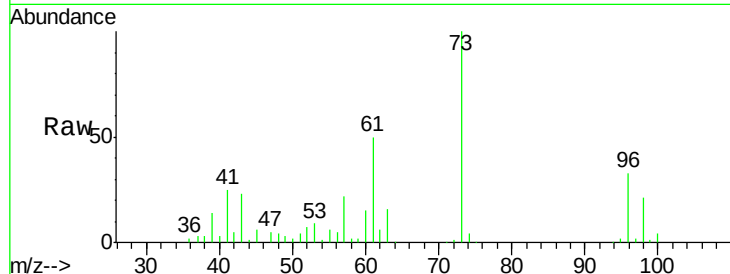
#19
trans-1,2-Dichloroethene
Concen: 19.256 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.7	121.0	181.6
98	65.0	52.7	79.1

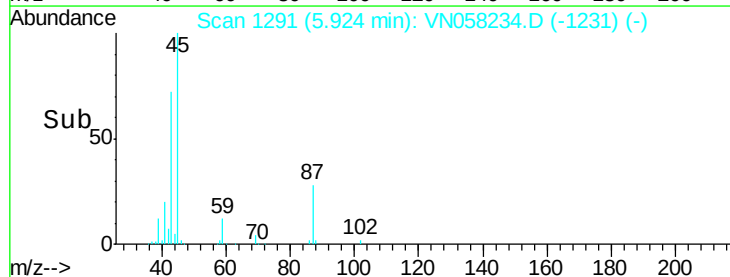
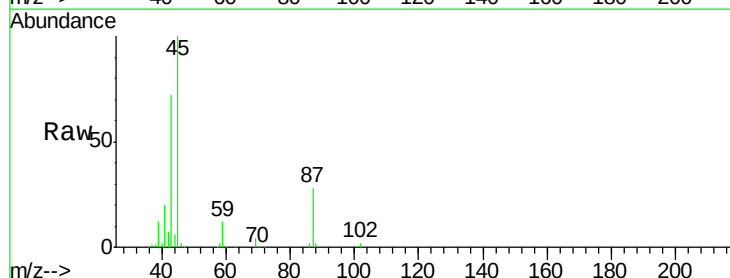
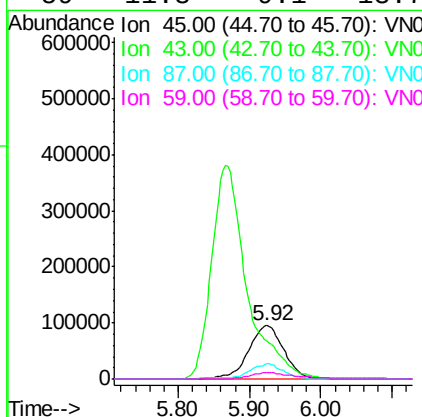
Manual Integrations
APPROVED

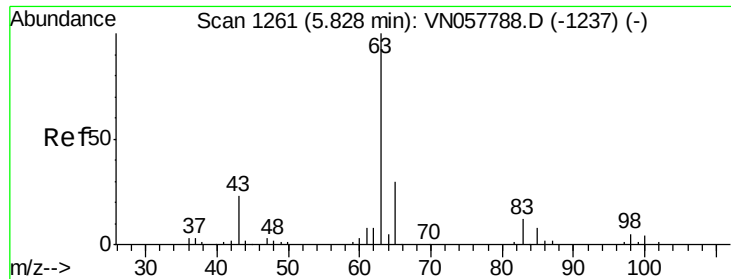
MMDadoda
9/23/2019 3:29:31 PM



#20
Diisopropyl ether
Concen: 19.165 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. -0.01 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Tgt Ion	Ratio	Lower	Upper
45	100		
43	68.9	55.2	82.8
87	27.6	21.3	31.9
59	11.3	9.1	13.7





#21

1,1-Dichloroethane

Concen: 19.798 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Instrument :

MSVOA_N

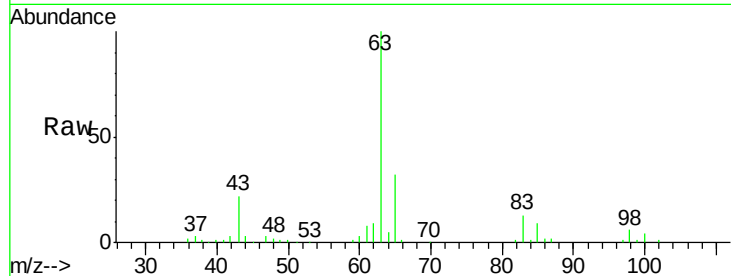
ClientSampleId :

VSTDCCC020

Tot Ion:	63	Resp:	186752
Ion Ratio	Lower	Upper	
63	100		
98	5.5	2.8	8.3
100	3.7	1.8	5.5

Manual Integrations
APPROVED

MMDadoda
9/23/2019 3:29:31 PM

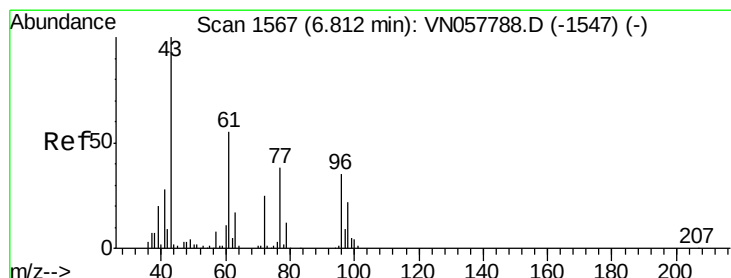
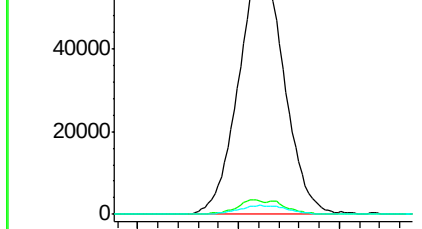
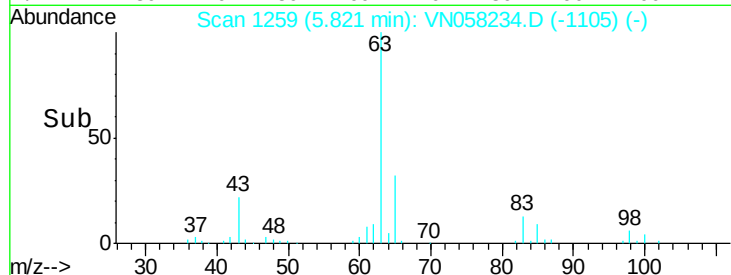


Abundance Ion 63.00 (62.70 to 63.70): VN057788.D (-1237) (-)

Ion 98.00 (97.70 to 98.70): VN057788.D (-1237) (-)

Ion 100.00 (99.70 to 100.70): VN057788.D (-1237) (-)

Time-->



#22

cis-1,2-Dichloroethene

Concen: 20.034 ug/l

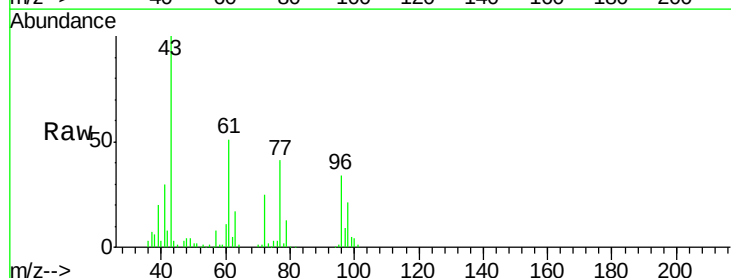
RT: 6.81 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Tgt Ion:	96	Resp:	109254
Ion Ratio	Lower	Upper	
96	100		
61	157.1	127.4	191.0
98	62.5	51.5	77.3

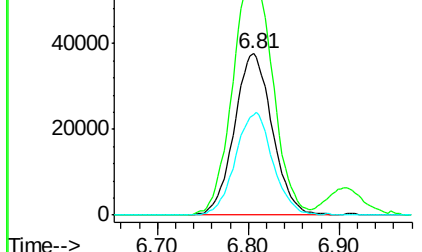
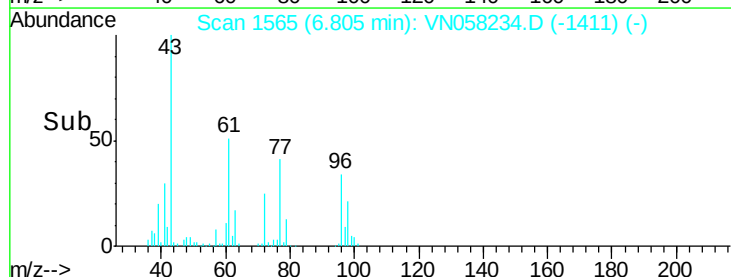


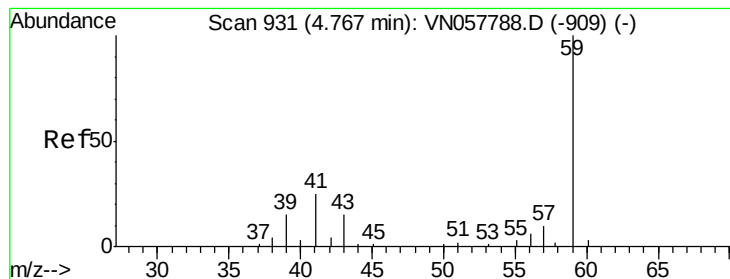
Abundance Ion 96.00 (95.70 to 96.70): VN057788.D (-1547) (-)

Ion 61.00 (60.70 to 61.70): VN057788.D (-1547) (-)

Ion 98.00 (97.70 to 98.70): VN057788.D (-1547) (-)

Time-->





#23

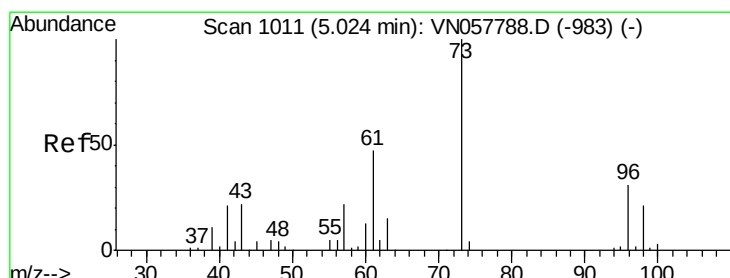
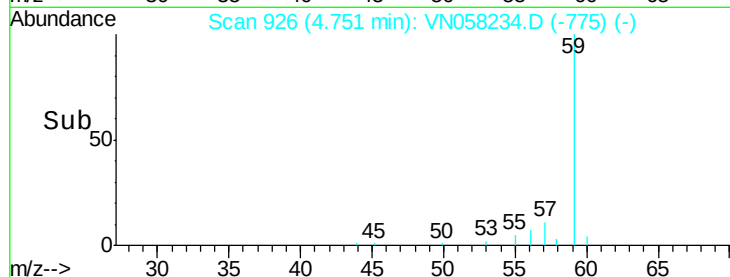
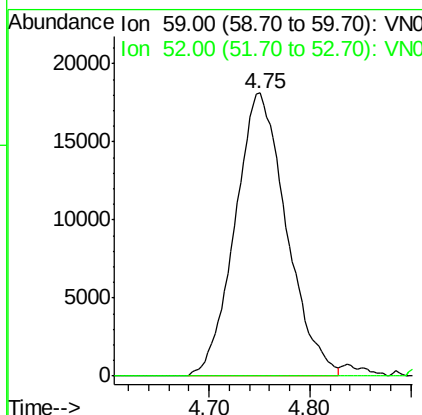
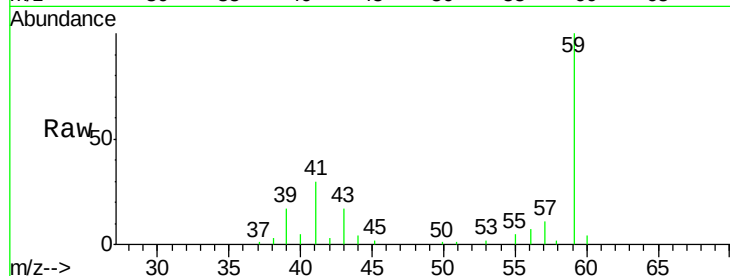
tert-Butyl Alcohol
 Concen: 87.945 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. -0.02 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		64142		
52	0.0		0.0	0.0	0.0

Manual Integrations
 APPROVED

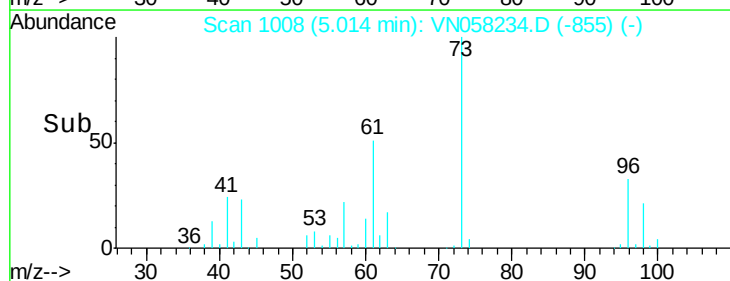
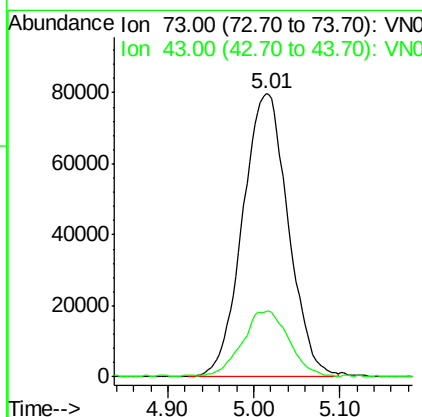
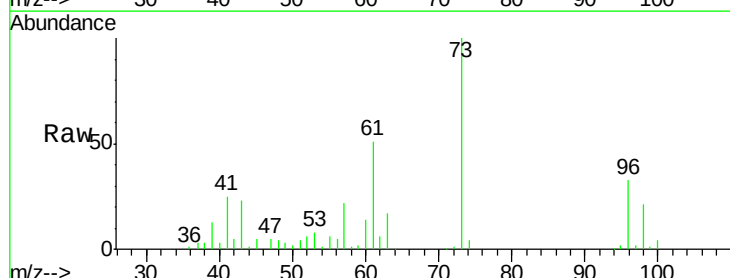
MMDadoda
 9/23/2019 3:29:31 PM

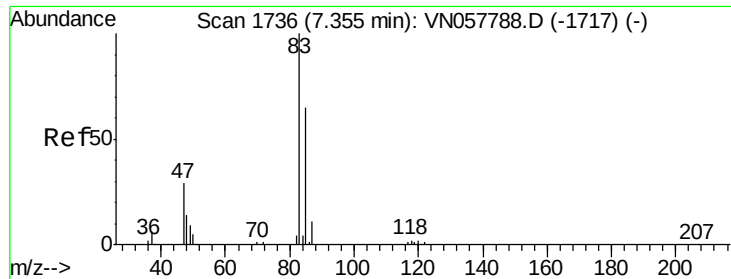


#24

Methyl tert-Butyl Ether
 Concen: 19.271 ug/l
 RT: 5.01 min Scan# 1008
 Delta R.T. -0.01 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
73	100		294967		
43	23.6		0.0	0.0	0.0





#25

Chloroform

Concen: 19.971 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. -0.00 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 83 Resp: 191794

Ion Ratio Lower Upper

83 100

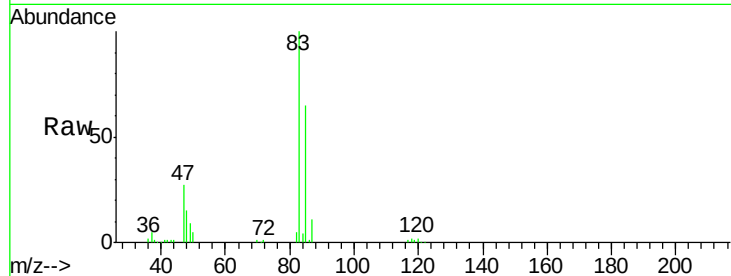
85 65.0 51.8 77.6

Manual Integrations

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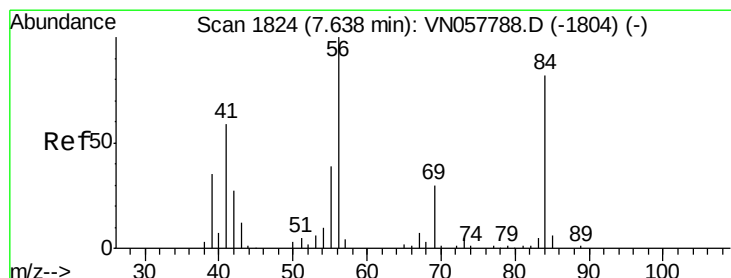
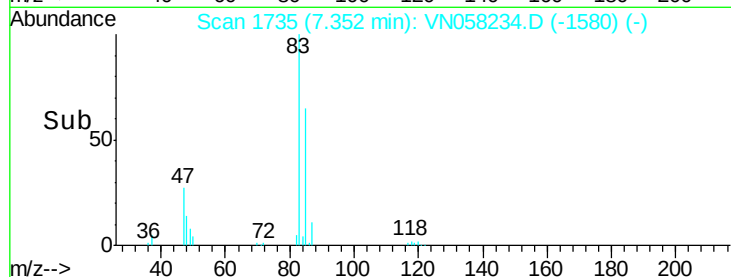
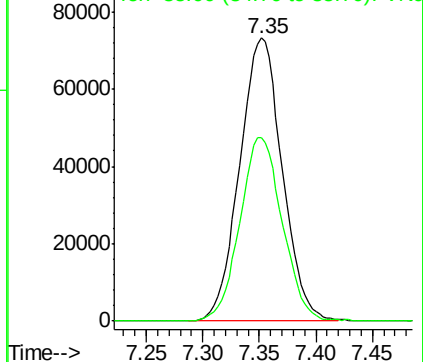
MMDadoda

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Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#26

Cyclohexane

Concen: 19.029 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

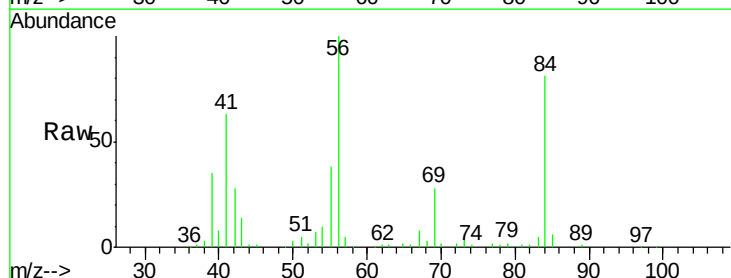
Tgt Ion: 56 Resp: 150819

Ion Ratio Lower Upper

56 100

89 1.1 0.3 0.5#

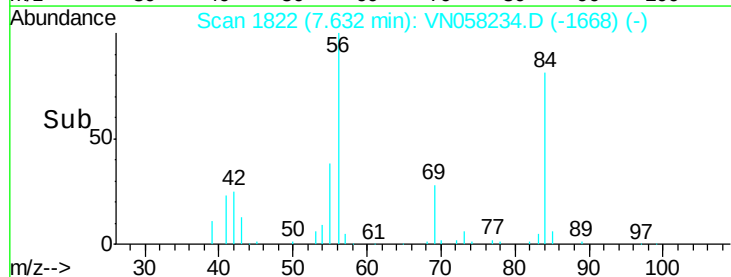
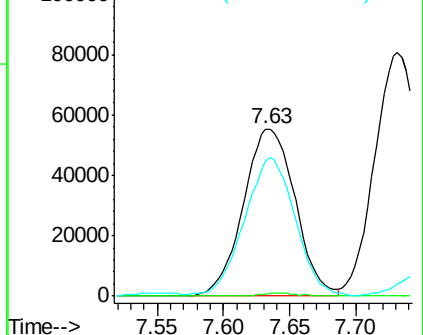
84 80.5 66.6 100.0

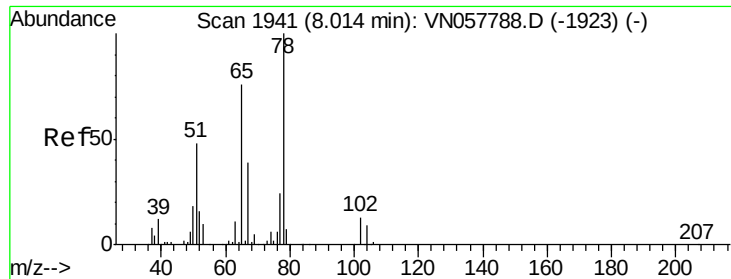


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





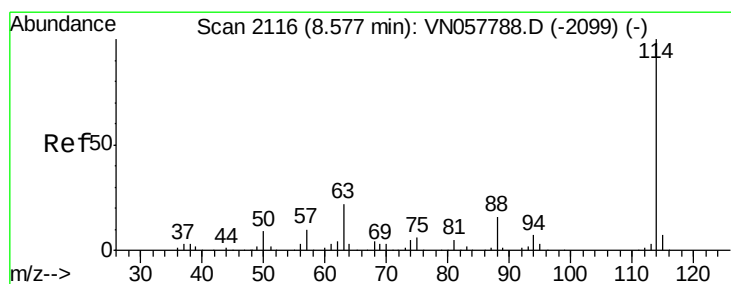
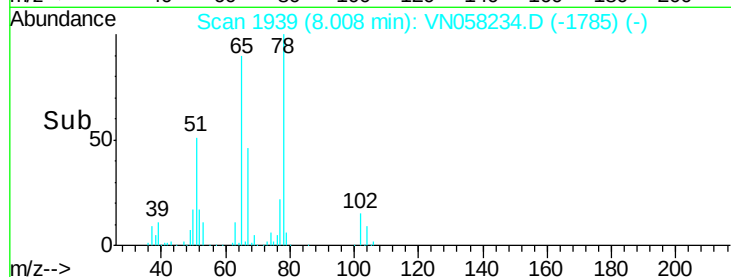
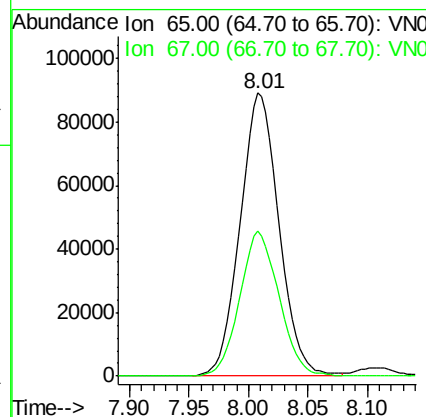
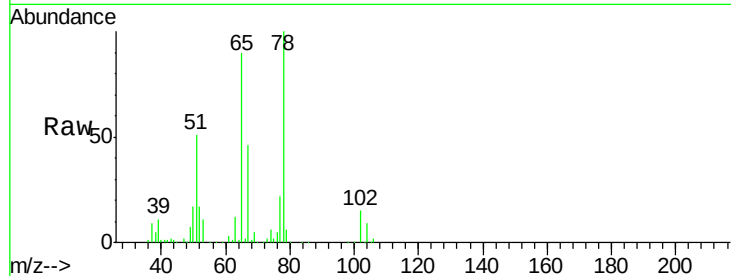
#27
 1,2-Dichloroethane-d4
 Concen: 30.194 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.01 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.7	40.9	61.3

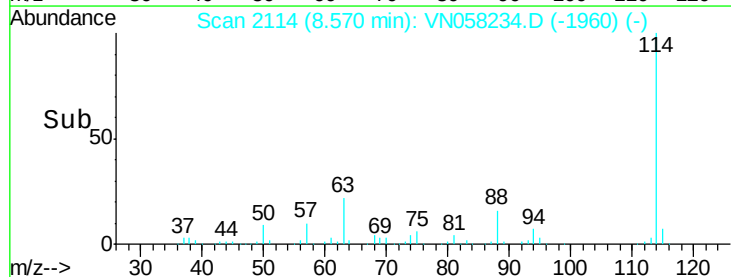
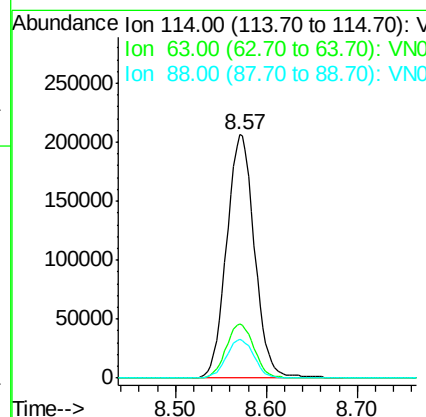
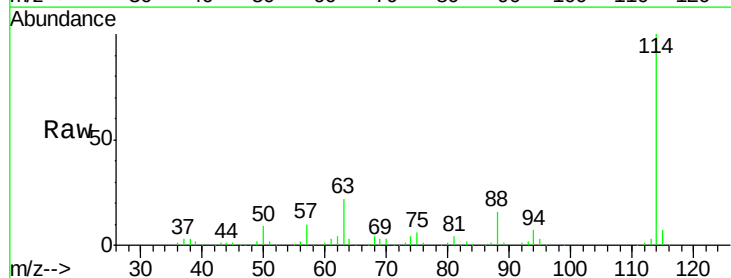
Manual Integrations
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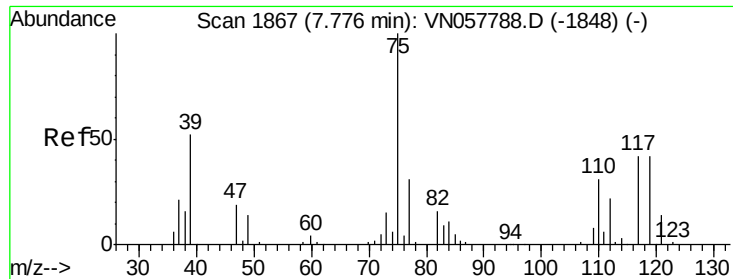
MMDadoda
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.3	18.0	27.0
88	15.8	12.6	19.0





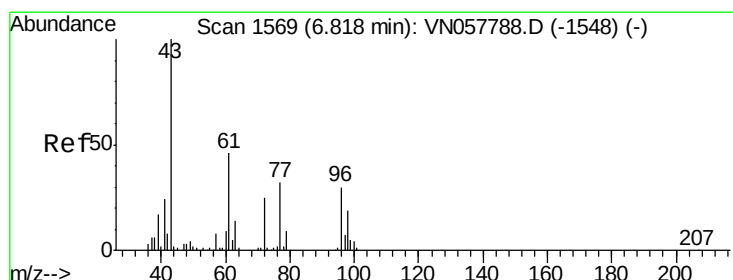
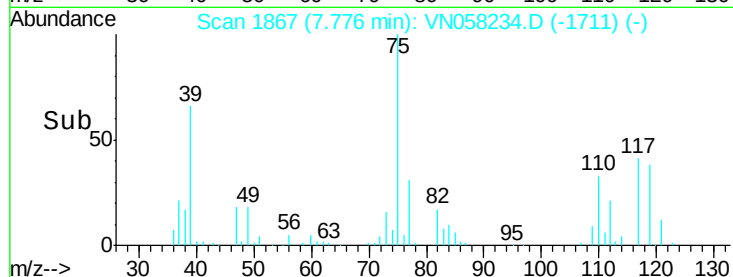
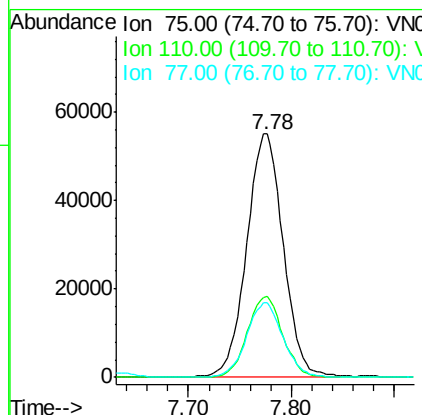
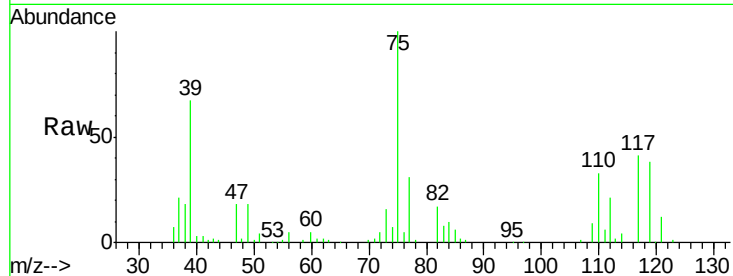
#29
 1,1-Dichloropropene
 Concen: 19.647 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	31.9	0.0	63.8
77	30.6	0.0	60.0

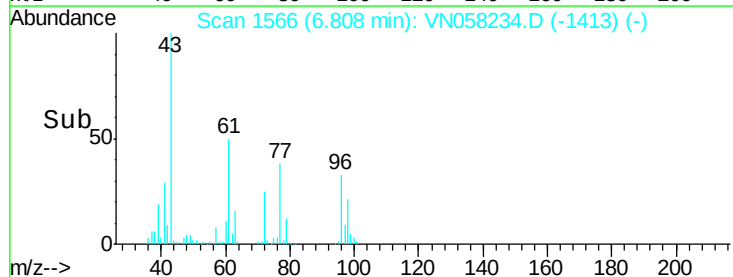
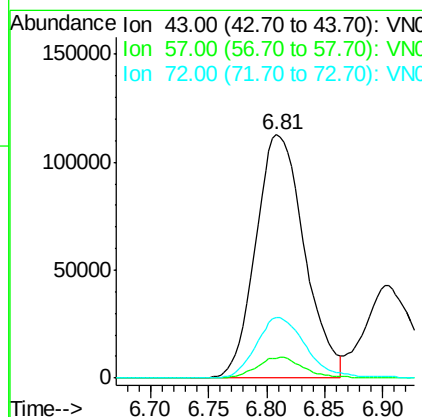
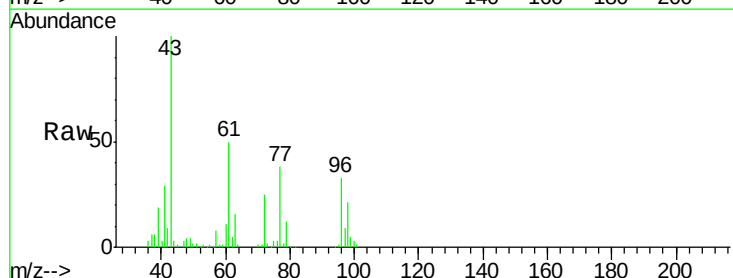
Manual Integrations
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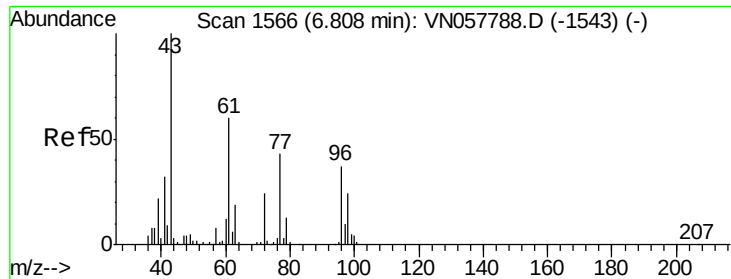
MMDadoda
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#30
 2-Butanone
 Concen: 104.936 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	0.0	6.4	9.6#
72	25.6	20.3	30.5





#31

2,2-Dichloropropane

Concen: 20.043 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.01 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 77 Resp: 146456

Ion Ratio Lower Upper

77 100

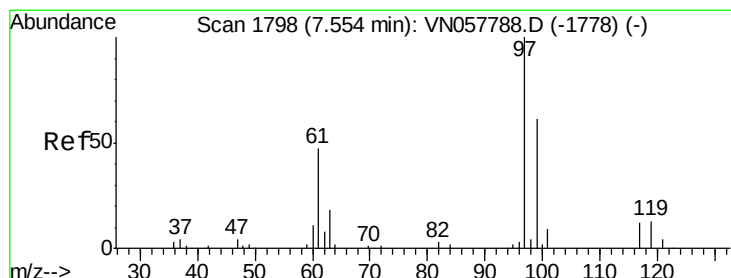
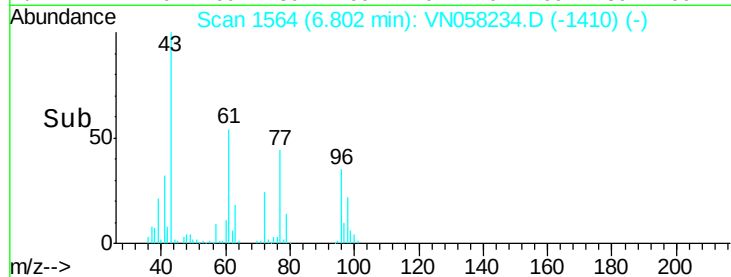
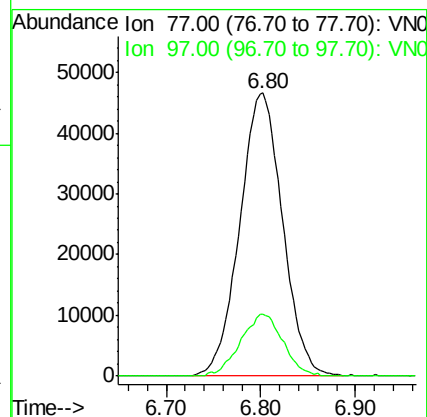
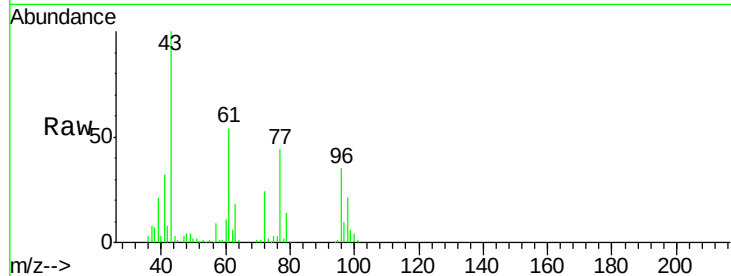
97 20.6 17.7 26.5

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 20.134 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.01 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

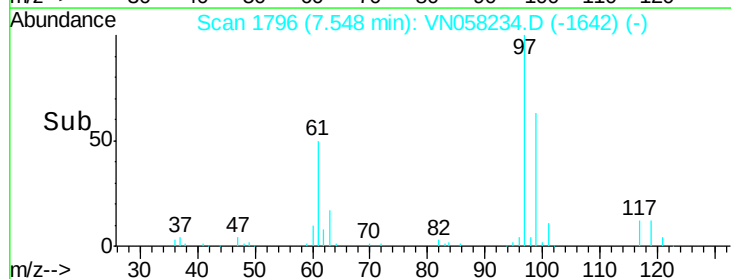
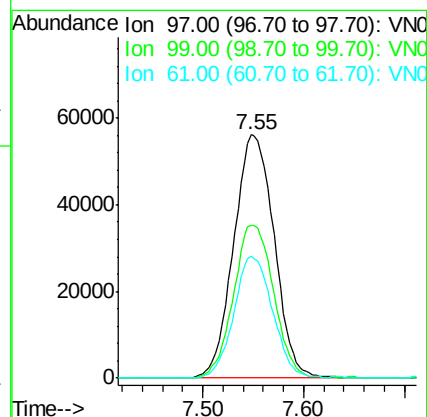
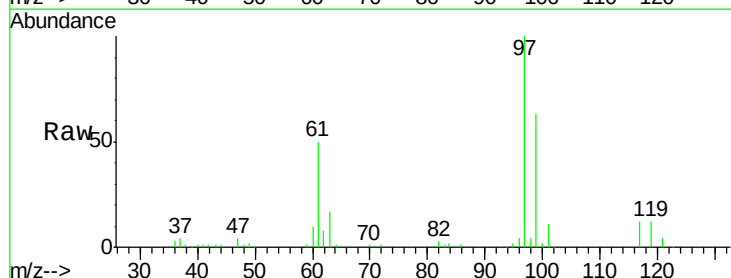
Tgt Ion: 97 Resp: 156670

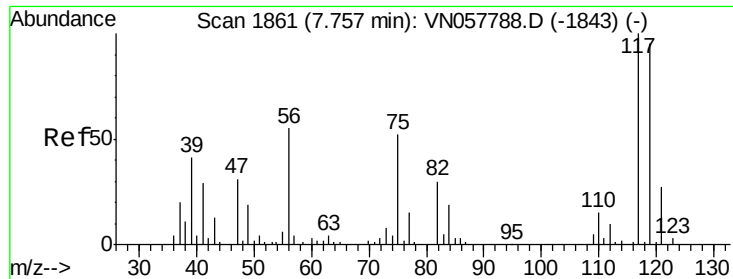
Ion Ratio Lower Upper

97 100

99 62.4 49.8 74.8

61 47.8 38.7 58.1





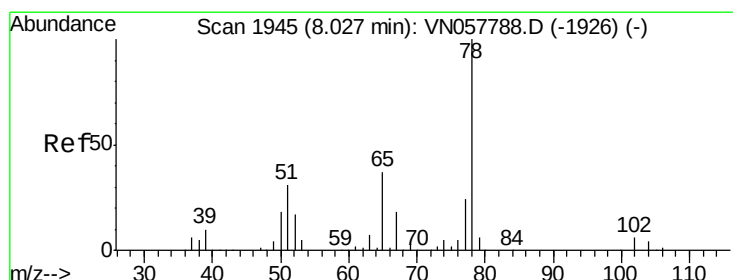
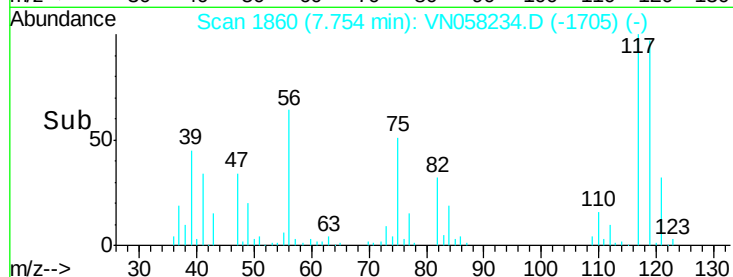
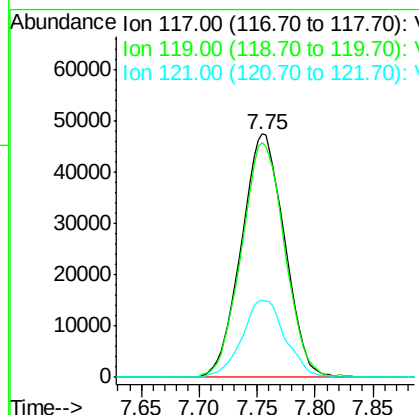
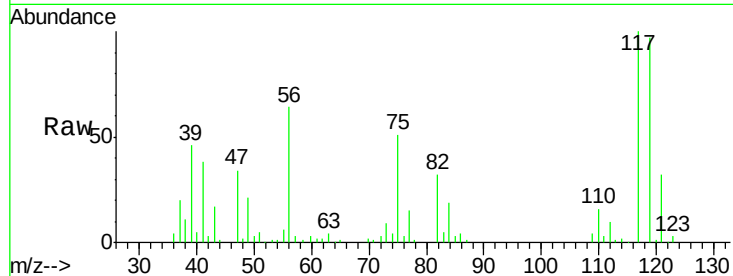
#33
Carbon Tetrachloride
Concen: 19.385 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.5	75.7	113.5
121	31.5	21.7	32.5

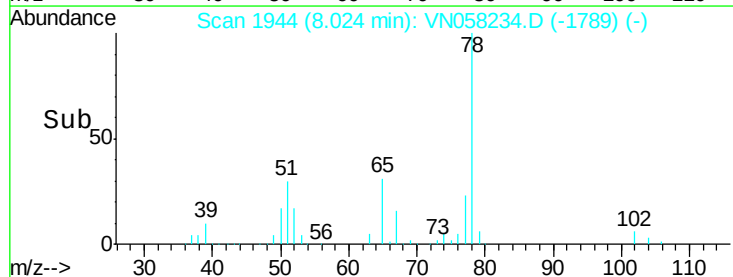
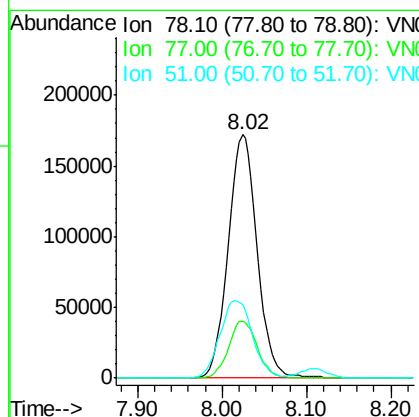
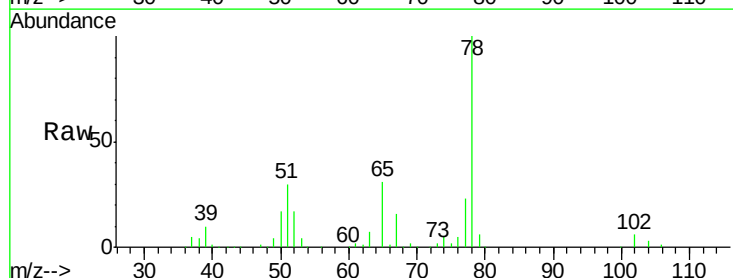
Manual Integrations
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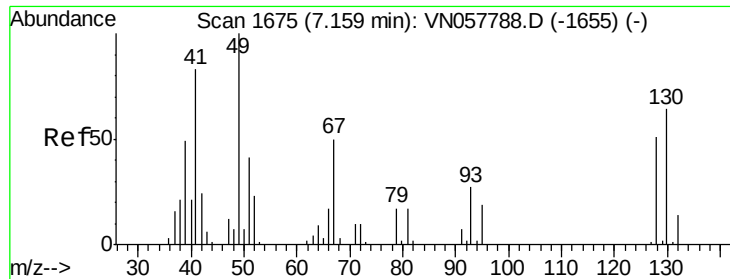
MMDadoda
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#34
Benzene
Concen: 20.023 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.2	28.8
51	30.0	24.9	37.3





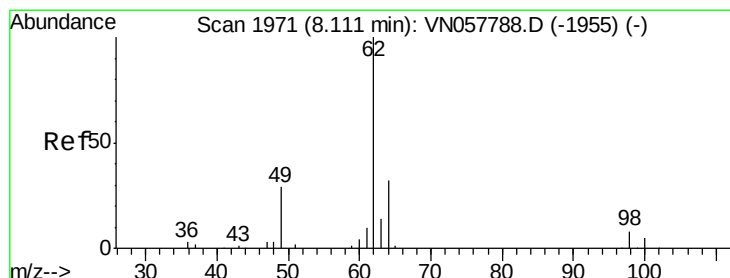
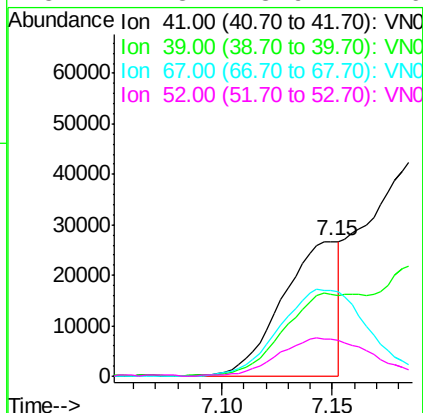
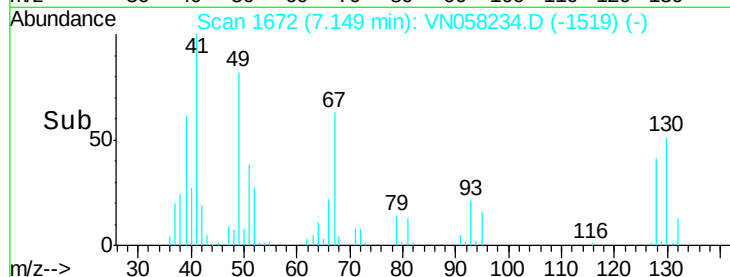
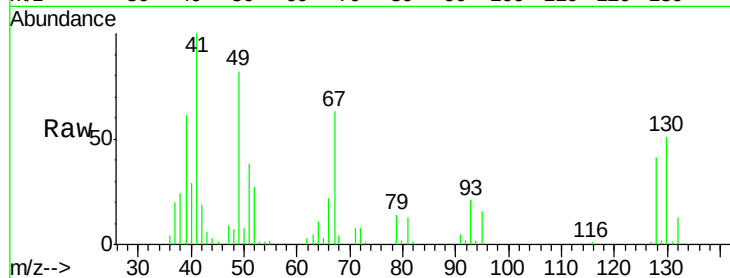
#35
Methacrylonitrile
Concen: 16.485 ug/l
RT: 7.15 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	41	Resp	47713
Ion Ratio	Lower	Upper	
41	100		
39	60.3	29.8	89.5
67	63.5	30.0	90.1
52	27.3	13.9	41.6

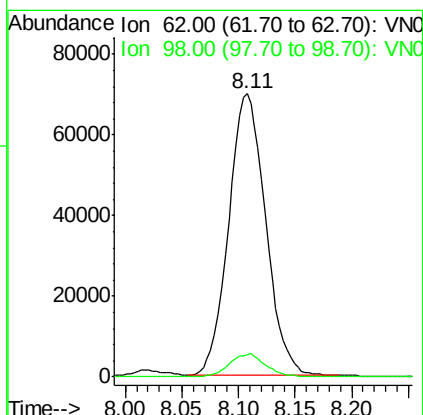
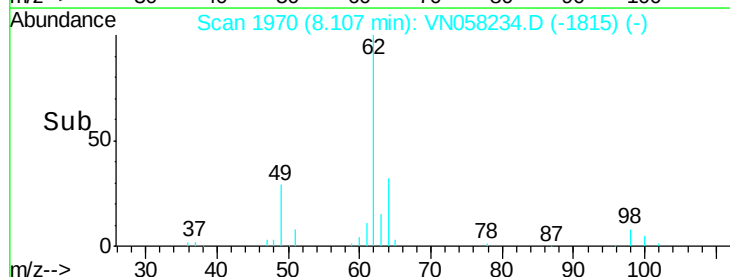
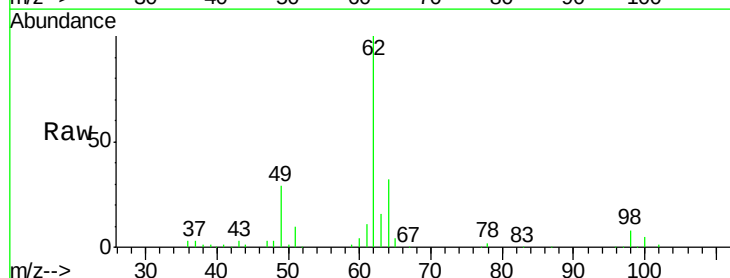
Manual Integrations
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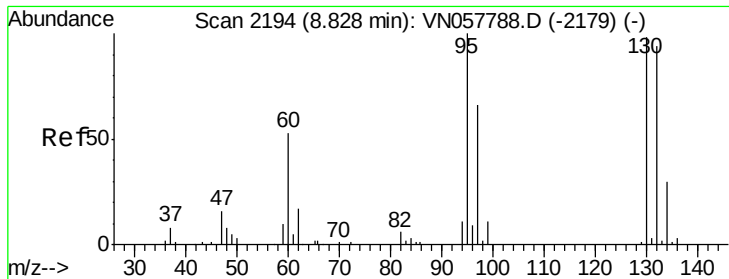
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#36
1,2-Dichloroethane
Concen: 19.934 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Tgt Ion	62	Resp	158630
Ion Ratio	Lower	Upper	
62	100		
98	8.1	6.6	9.8





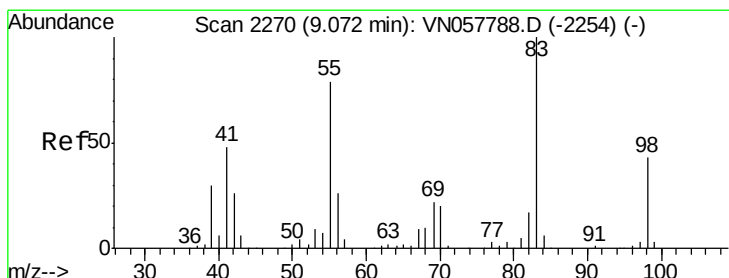
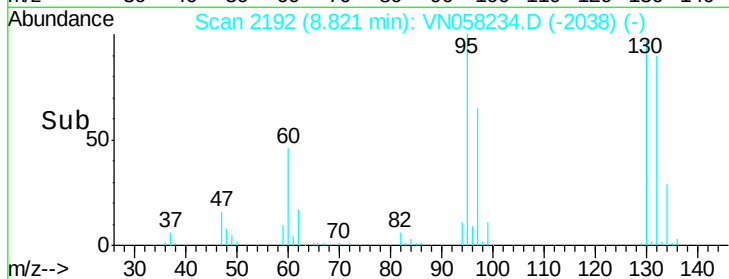
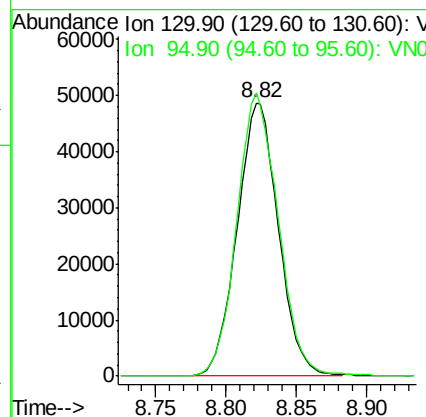
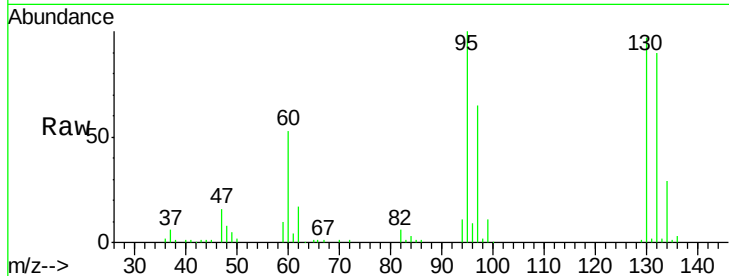
#37
 Trichloroethene
 Concen: 19.983 ug/l
 RT: 8.82 min Scan# 2192
 Delta R.T. -0.01 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:130 Resp: 99529
 Ion Ratio Lower Upper
 130 100
 95 103.5 81.9 122.9

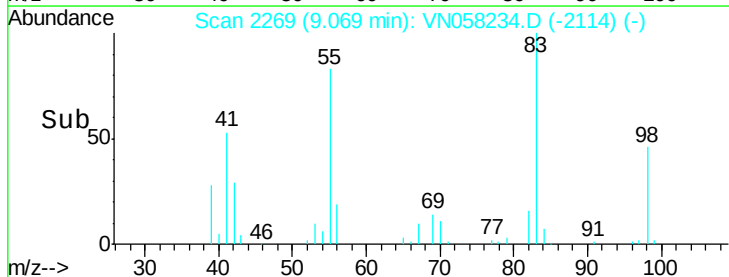
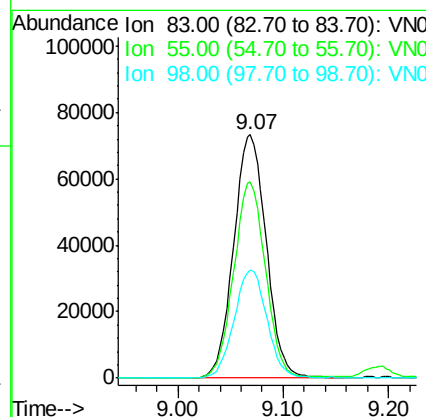
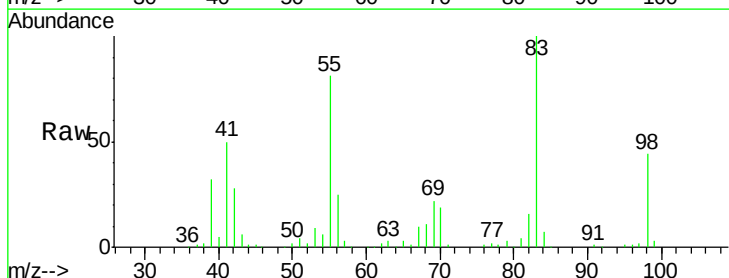
Manual Integrations
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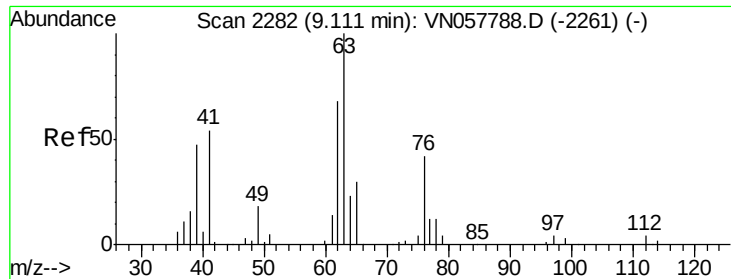
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 9/23/2019 3:29:31 PM



#38
 Methylcyclohexane
 Concen: 19.910 ug/l
 RT: 9.07 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

Tgt Ion: 83 Resp: 156901
 Ion Ratio Lower Upper
 83 100
 55 78.6 39.6 118.7
 98 44.6 21.8 65.4





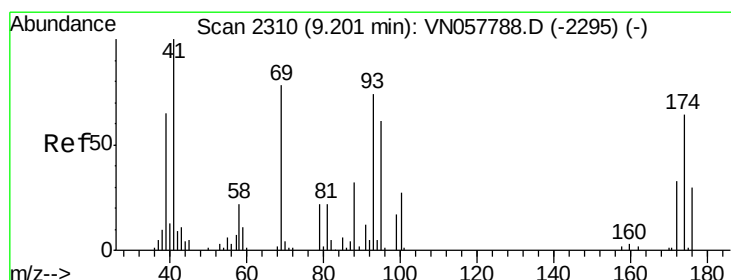
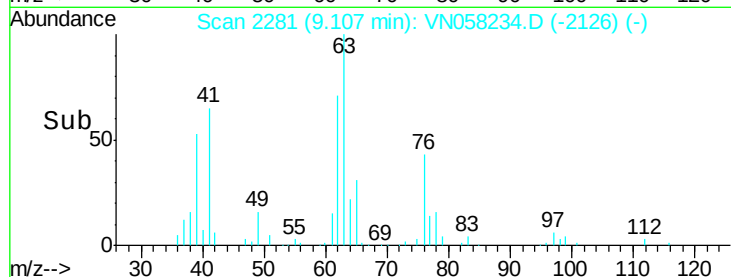
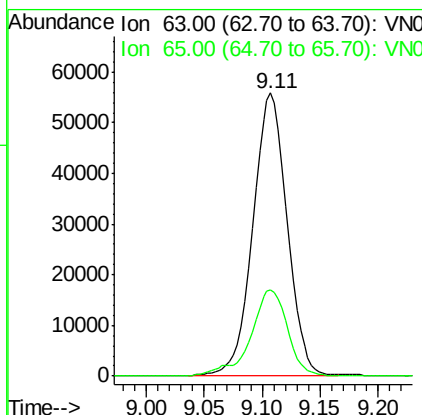
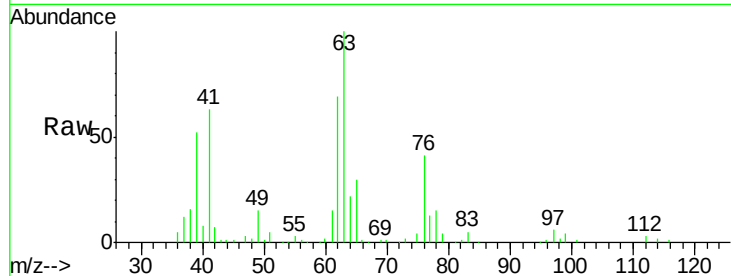
#39
 1,2-Dichloropropane
 Concen: 20.061 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	63	Resp	11530
Ion Ratio	Lower	Upper	
63	100		
65	30.4	23.6	35.4

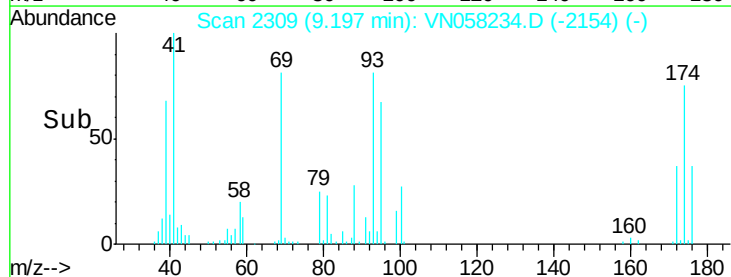
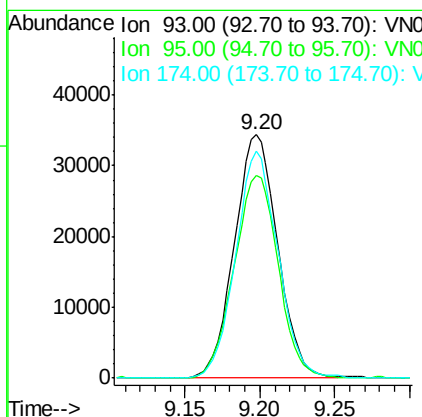
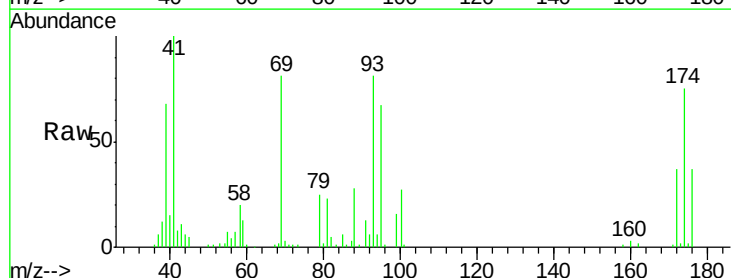
Manual Integrations
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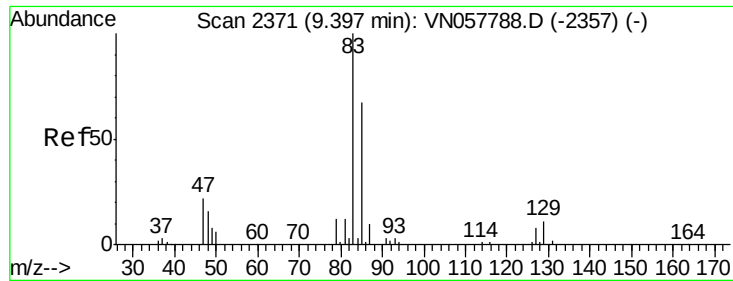
MMDadoda
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#40
 Dibromomethane
 Concen: 19.773 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

Tgt Ion	93	Resp	69261
Ion Ratio	Lower	Upper	
93	100		
95	84.7	0.0	163.0
174	90.9	0.0	171.4





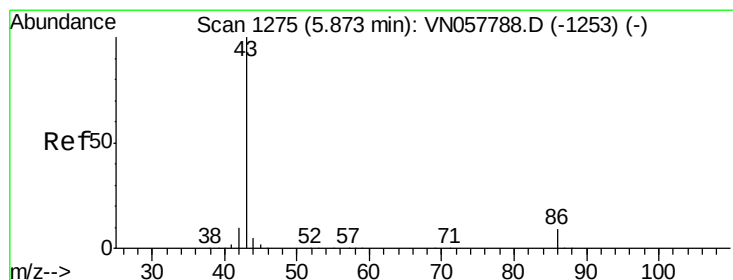
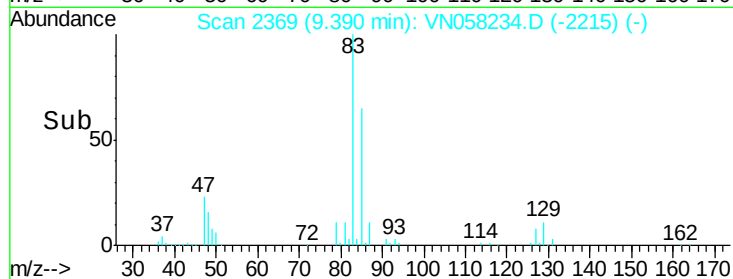
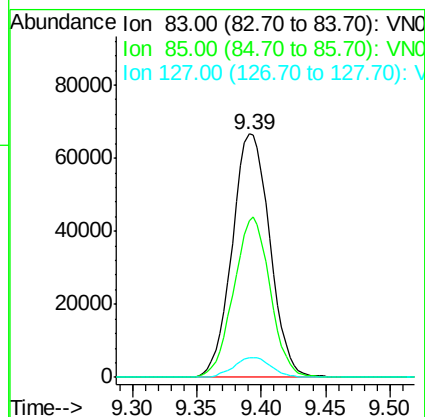
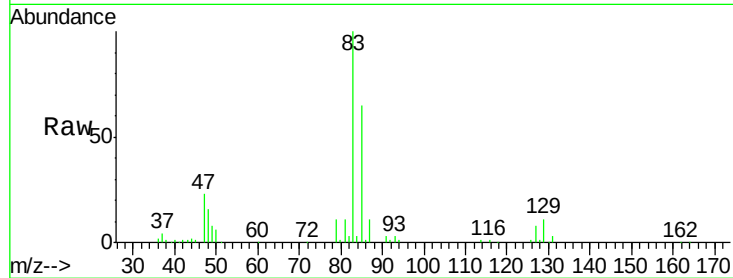
#41
Bromodichloromethane
Concen: 19.199 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. -0.01 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	135577
Ion Ratio	100	Lower	Upper
83	100		
85	64.5	53.4	80.0
127	7.9	6.6	10.0

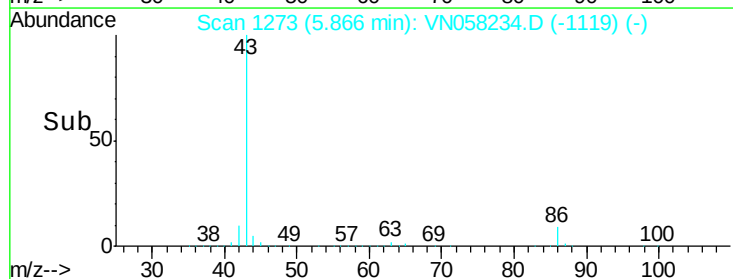
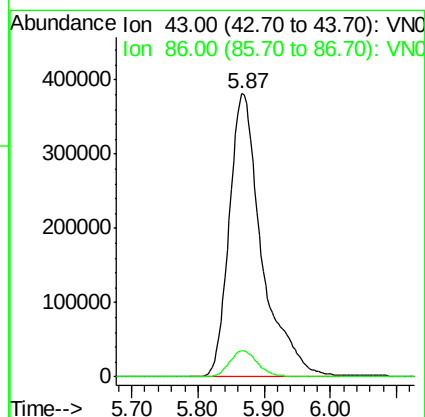
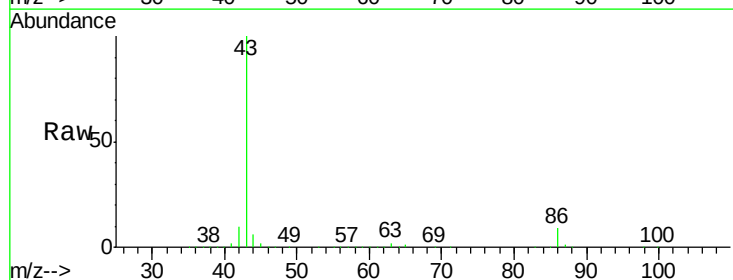
Manual Integrations
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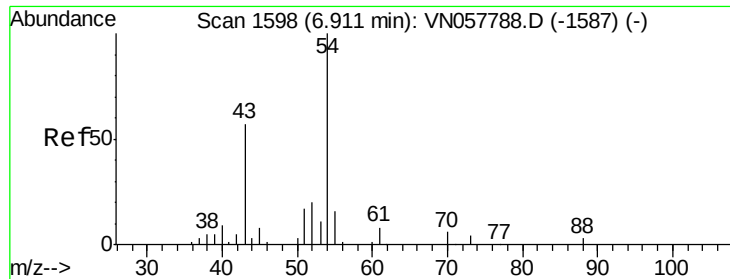
MMDadoda
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#42
Vinyl Acetate
Concen: 104.017 ug/l
RT: 5.87 min Scan# 1273
Delta R.T. -0.01 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Tgt Ion	43	Resp	1304572
Ion Ratio	100	Lower	Upper
43	100		
86	8.0	6.3	9.5





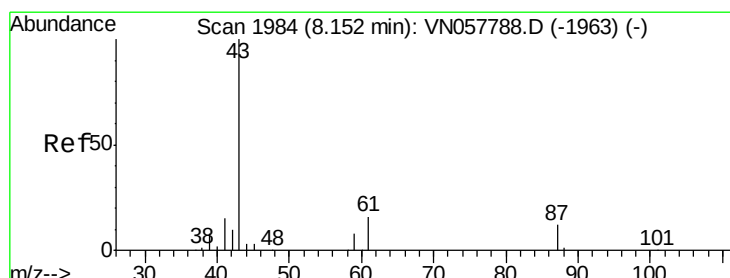
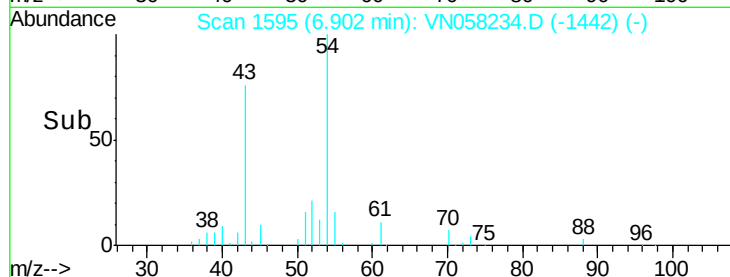
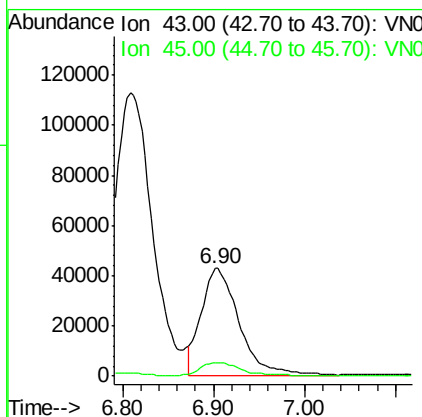
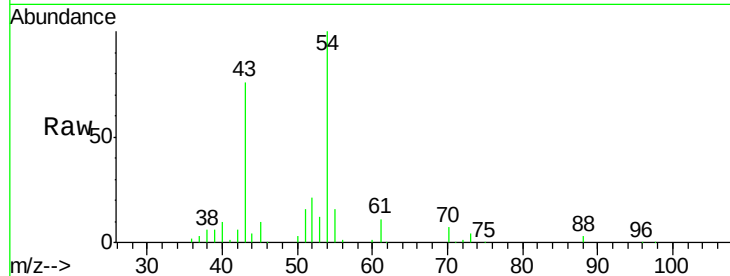
#43
Ethyl Acetate
Concen: 19.277 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 43 Resp: 122729
Ion Ratio Lower Upper
43 100
45 12.1 5.4 8.0#

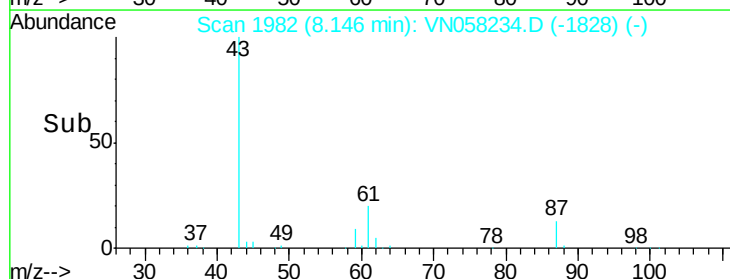
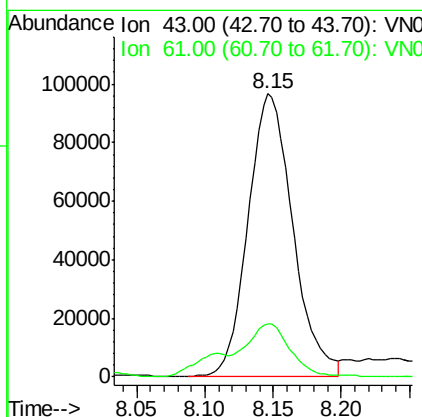
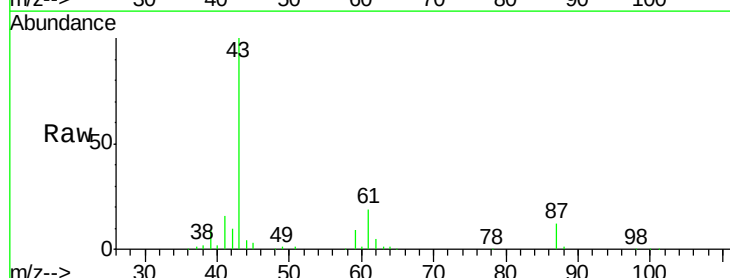
Manual Integrations
APPROVED

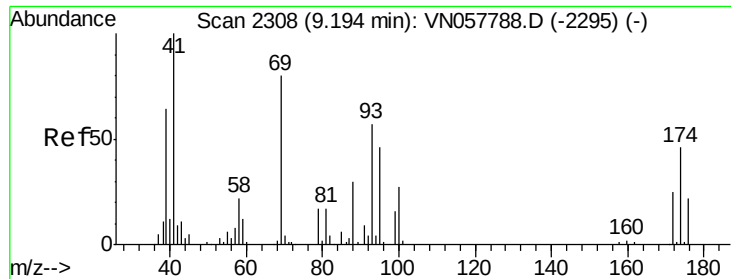
MMDadoda
9/23/2019 3:29:31 PM



#44
Isopropyl Acetate
Concen: 19.713 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Tgt Ion: 43 Resp: 218824
Ion Ratio Lower Upper
43 100
61 17.8 0.1 0.1#





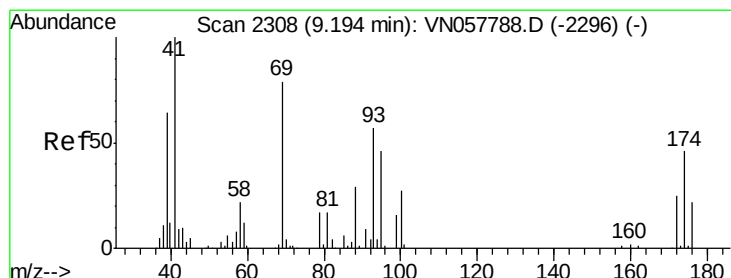
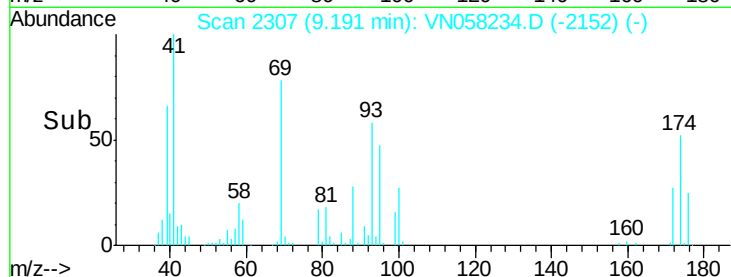
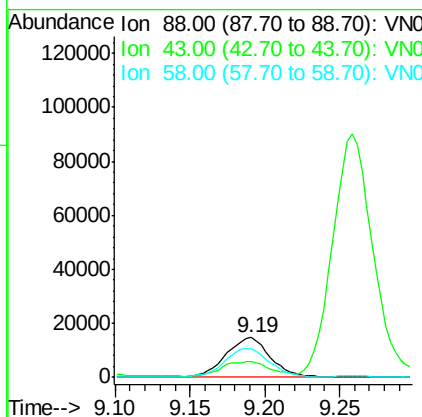
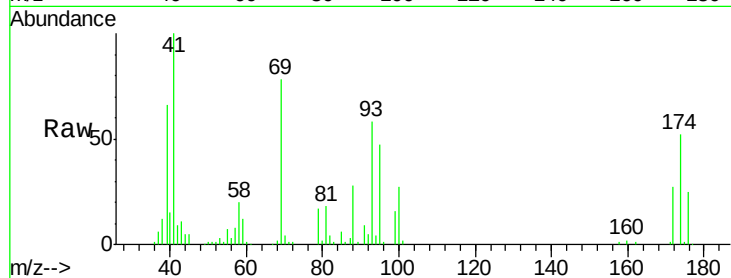
#45
 1,4-Dioxane
 Concen: 350.424 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	39.8	28.2	42.4	
58	73.5	58.5	87.7	

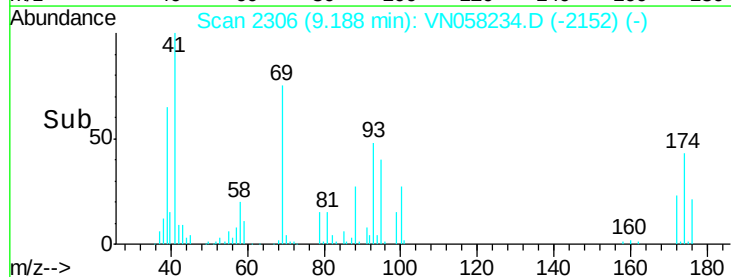
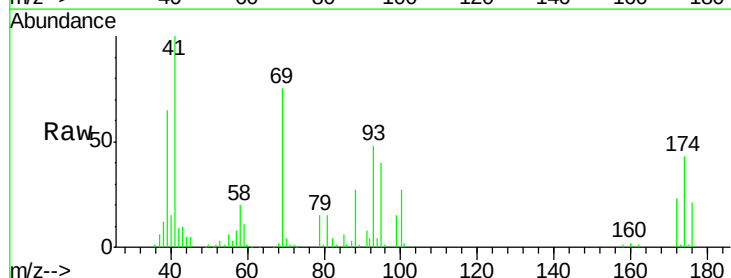
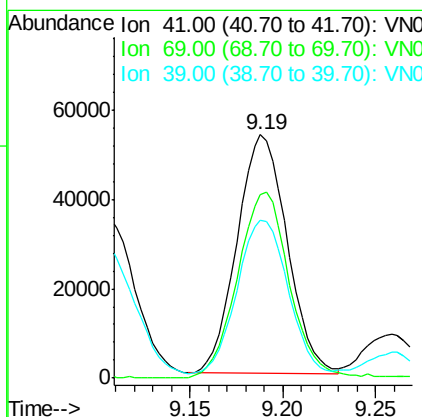
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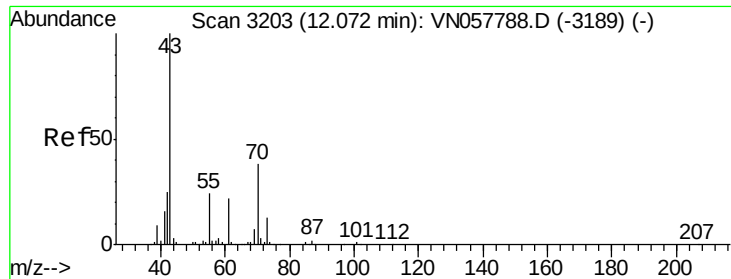
MMDadoda
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#46
 Methyl methacrylate
 Concen: 18.641 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.01 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	76.4	39.6	119.0	
39	64.5	31.9	95.7	





#47

n-amvl Acetate

Concen: 18.067 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 43 Resp: 184232

Ion Ratio Lower Upper

43 100

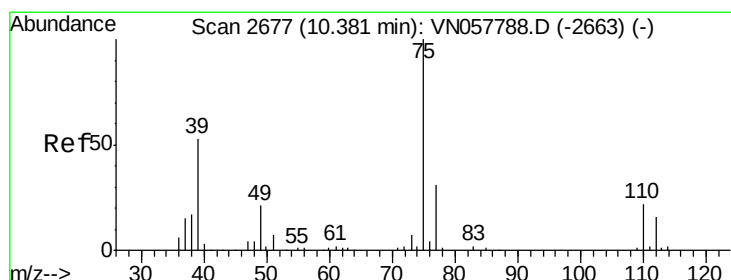
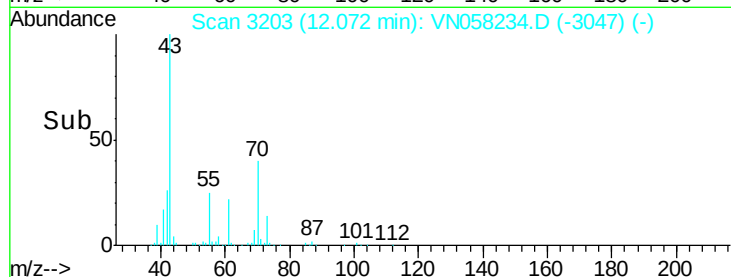
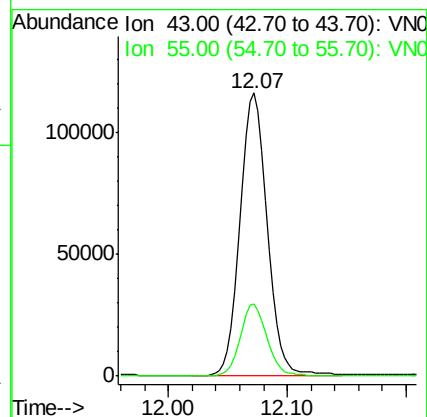
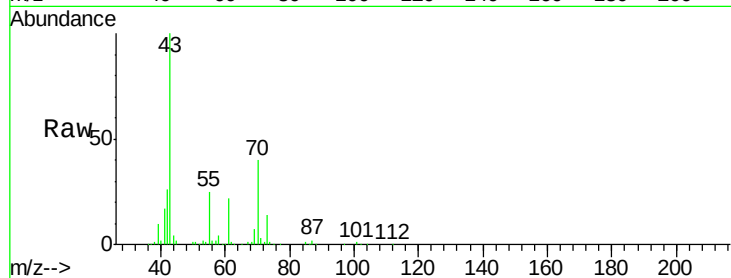
55 25.1 18.3 27.5

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 18.873 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058234.D

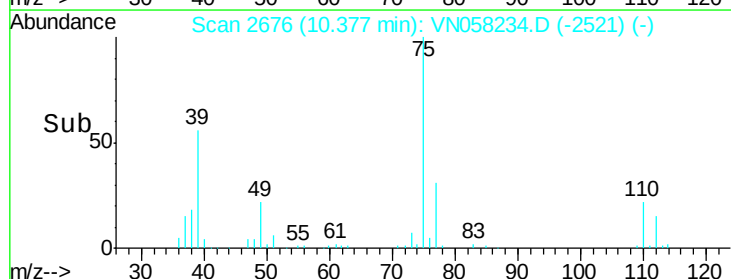
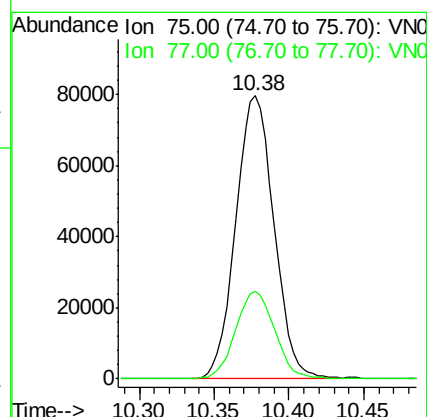
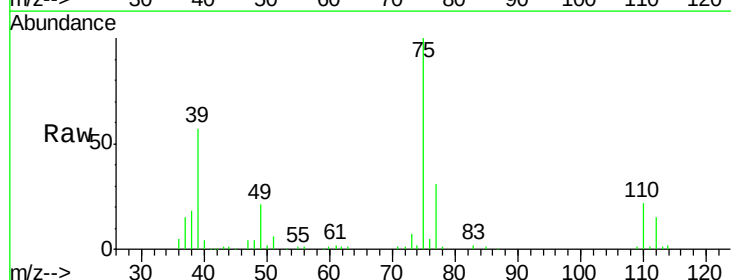
Acq: 20 Sep 2019 8:47

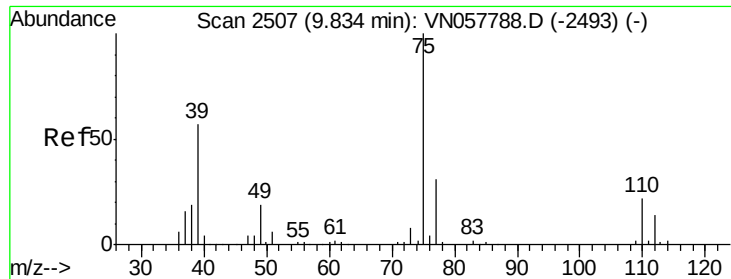
Tgt Ion: 75 Resp: 141886

Ion Ratio Lower Upper

75 100

77 30.9 24.9 37.3





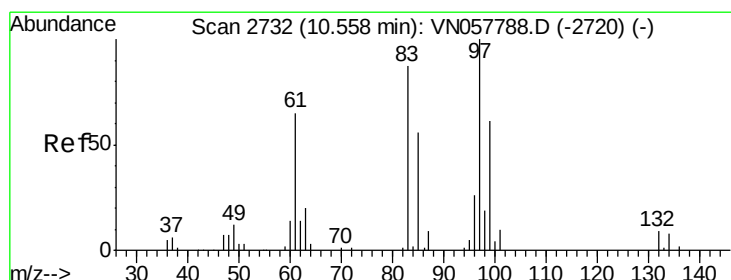
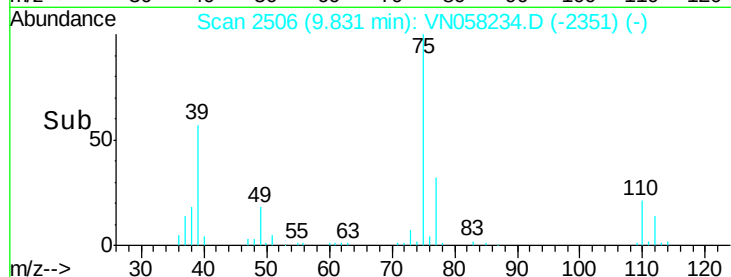
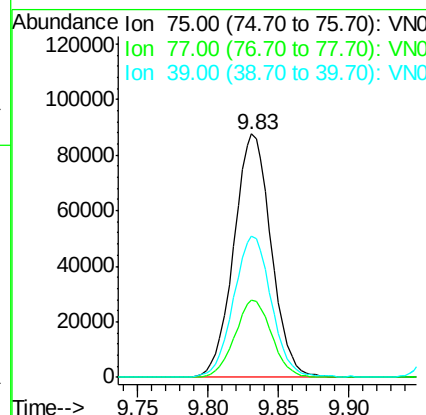
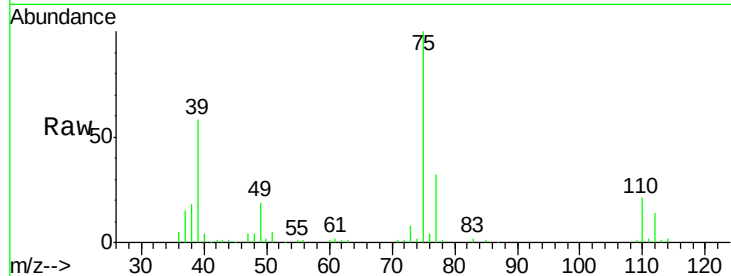
#49
 cis-1,3-Dichloropropene
 Concen: 19.254 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. -0.00 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:	75	Resp:	162406
Ion Ratio		Lower	Upper
75	100		
77	31.9	24.6	36.8
39	57.5	45.8	68.8

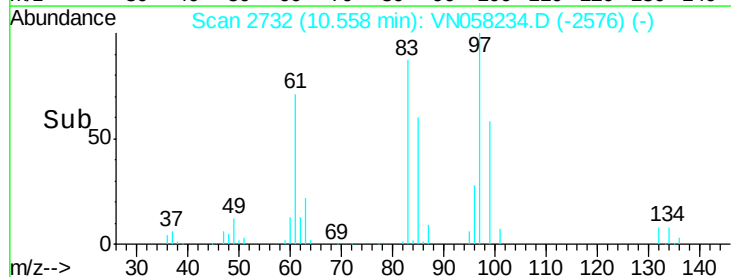
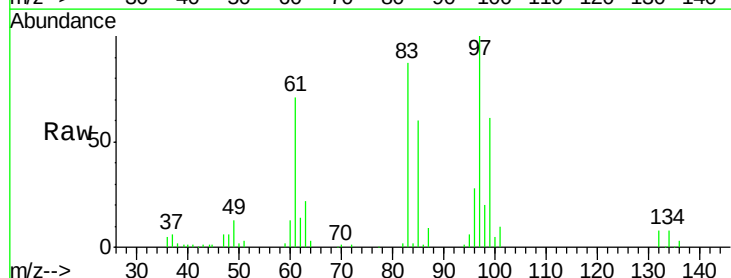
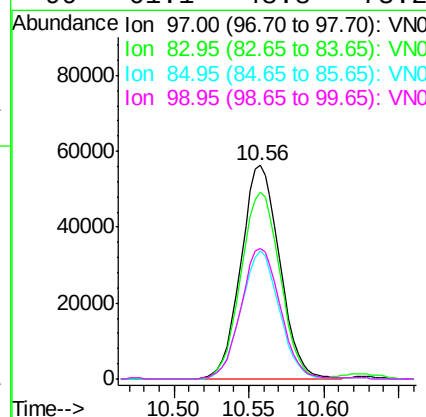
Manual Integrations
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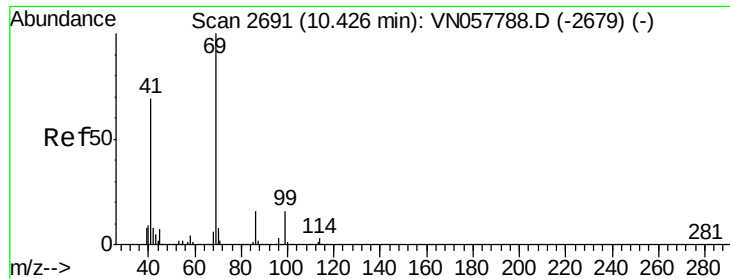
MMDadoda
 9/23/2019 3:29:31 PM



#50
 1,1,2-Trichloroethane
 Concen: 20.024 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

Tgt Ion:	97	Resp:	101737
Ion Ratio		Lower	Upper
97	100		
83	87.3	69.4	104.2
85	60.0	45.0	67.6
99	61.1	48.8	73.2





#51

Ethyl methacrylate

Concen: 18.774 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Instrument :

MSVOA_N

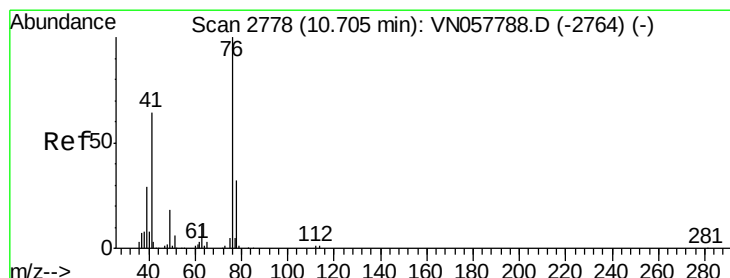
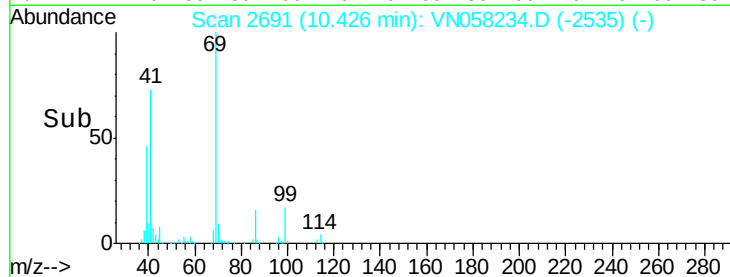
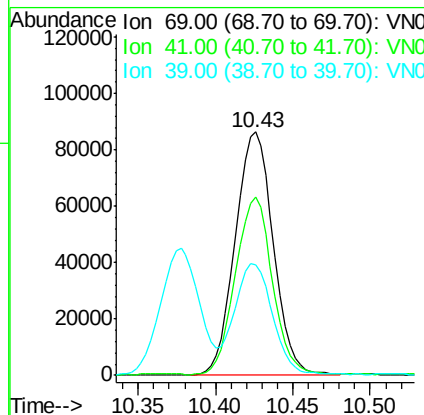
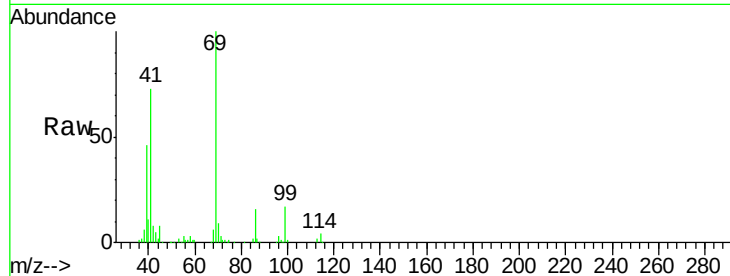
ClientSampled :

VSTDCCC020

Tot Ion:	69	Resp:	147897
Ion	Ratio	Lower	Upper
69	100		
41	73.0	34.5	103.5
39	45.0	22.4	67.3

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.787 ug/l

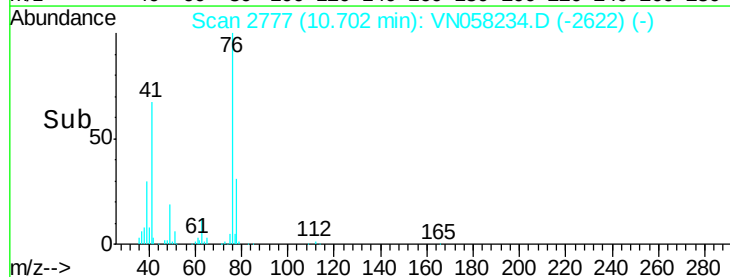
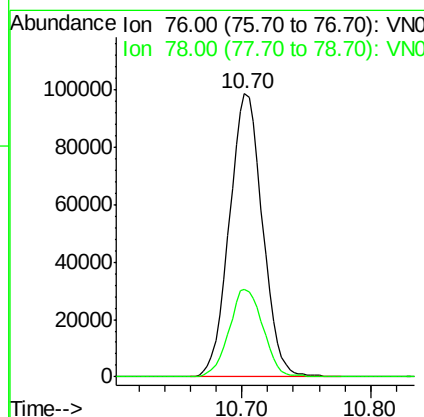
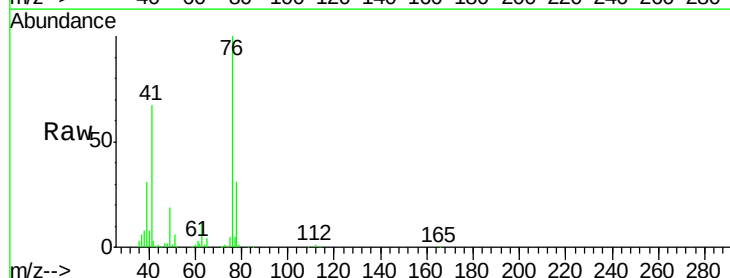
RT: 10.70 min Scan# 2777

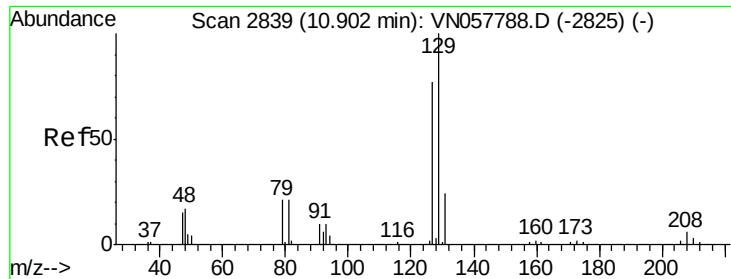
Delta R.T. -0.00 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Tgt Ion:	76	Resp:	175811
Ion	Ratio	Lower	Upper
76	100		
78	31.8	0.0	63.8





#53

Dibromochloromethane

Concen: 18.839 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:129 Resp: 94529

Ion Ratio Lower Upper

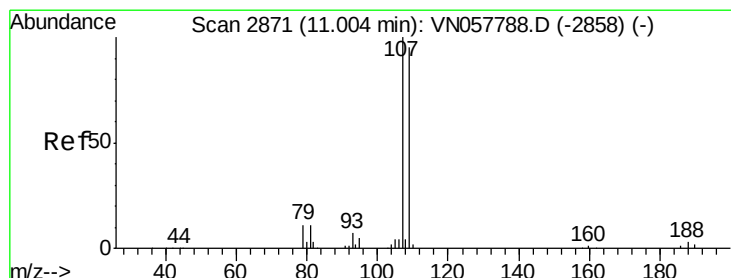
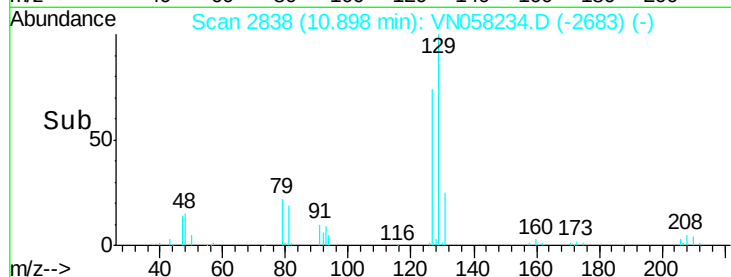
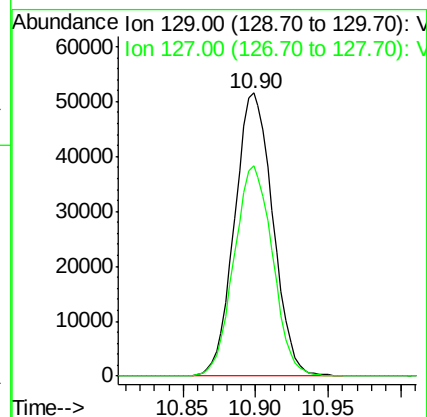
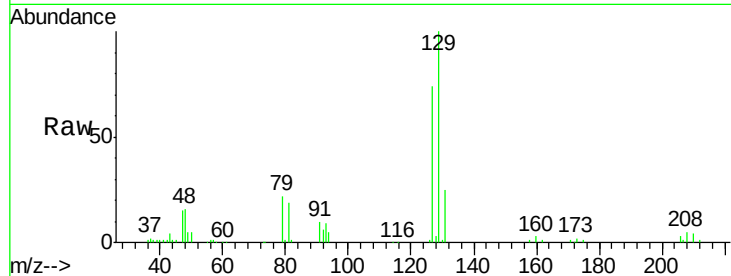
129 100

127 74.8 38.8 116.3

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#54

1,2-Dibromoethane

Concen: 19.401 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VN058234.D

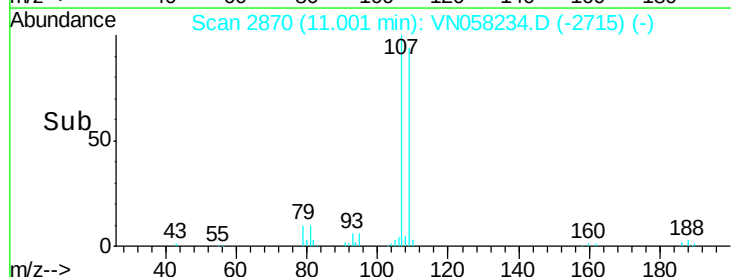
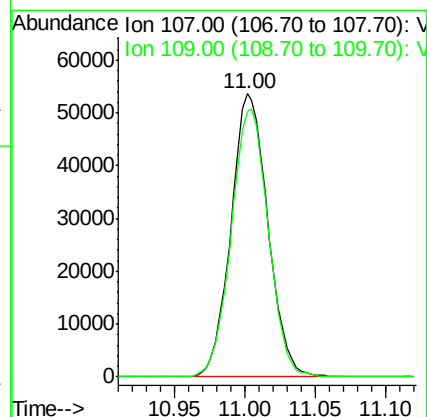
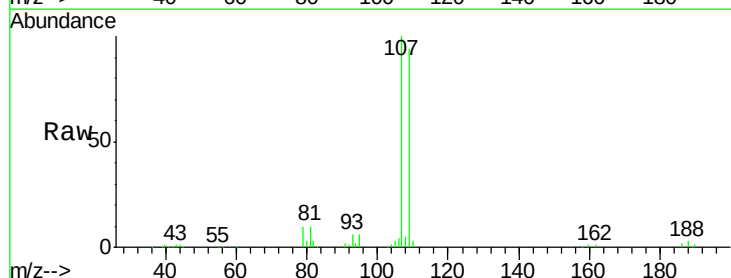
Acq: 20 Sep 2019 8:47

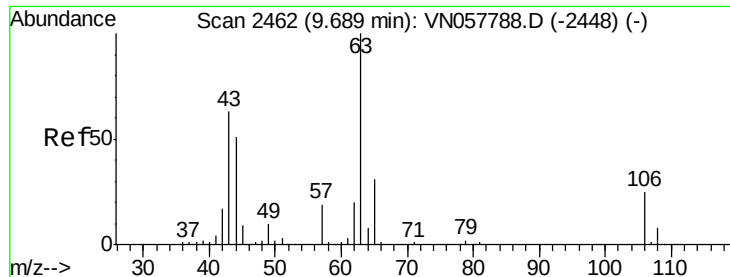
Tgt Ion:107 Resp: 98073

Ion Ratio Lower Upper

107 100

109 95.1 75.4 113.0





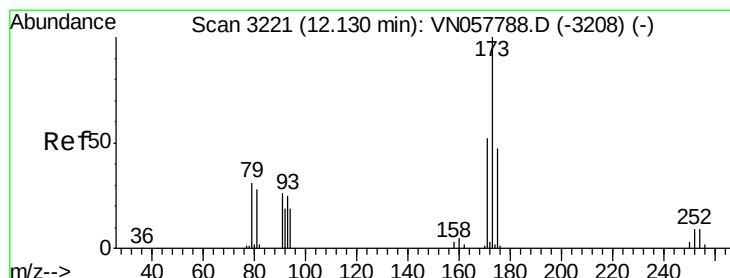
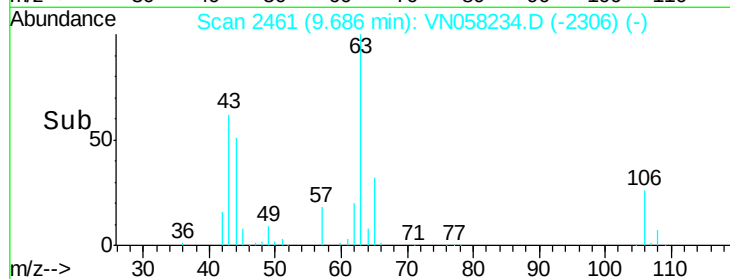
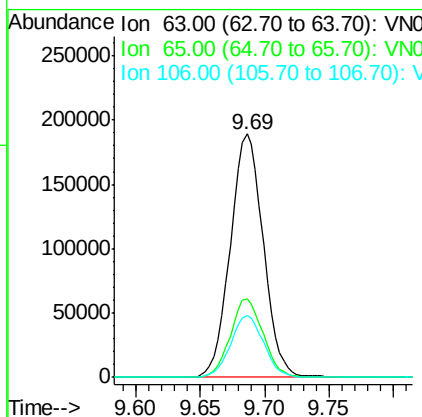
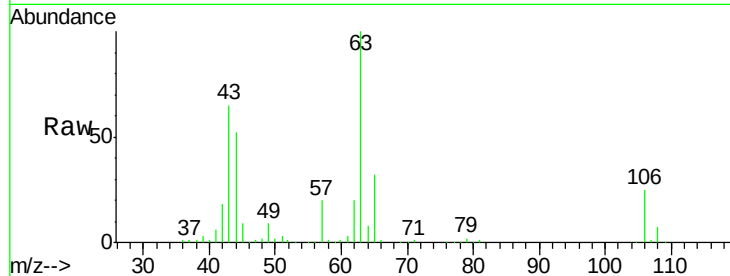
#55
2-Chloroethyl vinyl ether
Concen: 89.582 ug/l
RT: 9.69 min Scan# 2461
Delta R.T. -0.00 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	63	Resp	335339
Ion Ratio	Lower	Upper	
63	100		
65	32.0	25.0	37.6
106	25.5	19.8	29.8

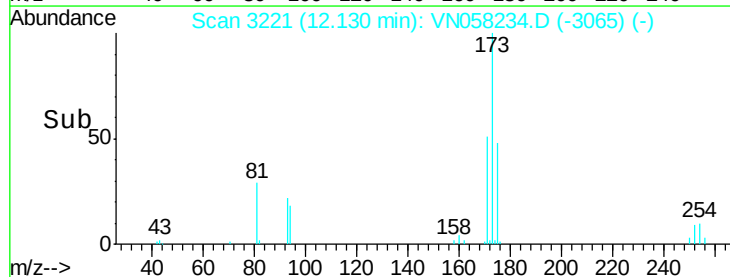
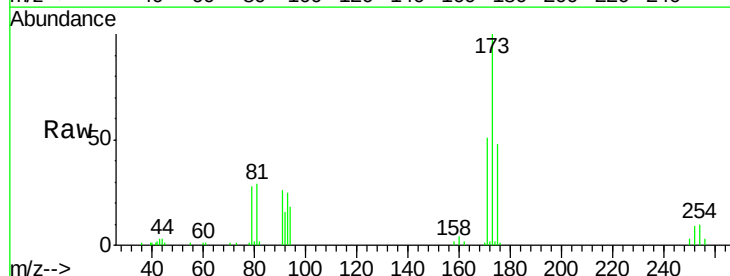
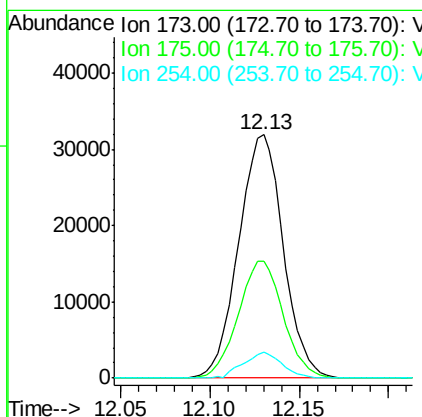
Manual Integrations
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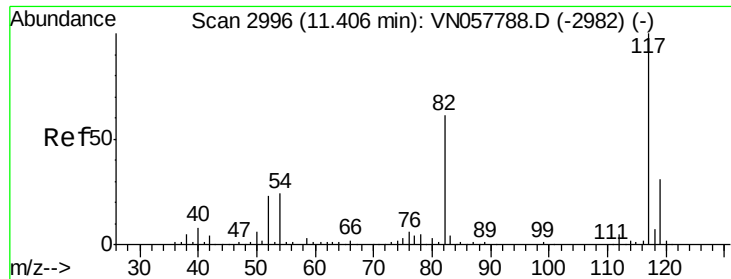
MMDadoda
9/23/2019 3:29:31 PM



#56
Bromoform
Concen: 17.868 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Tgt Ion	173	Resp	55543
Ion Ratio	Lower	Upper	
173	100		
175	48.3	38.4	57.6
254	9.2	6.9	10.3





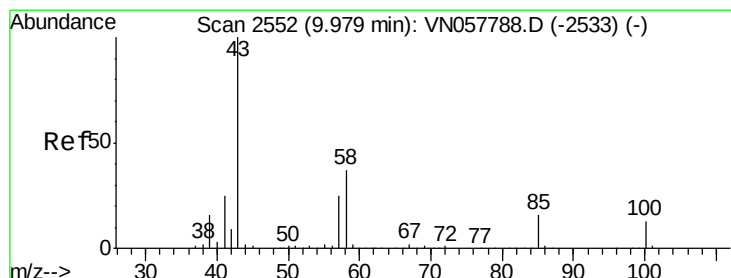
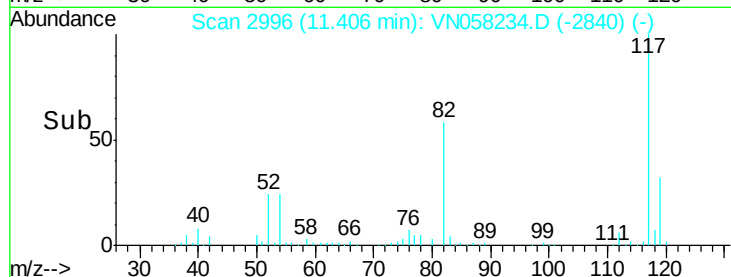
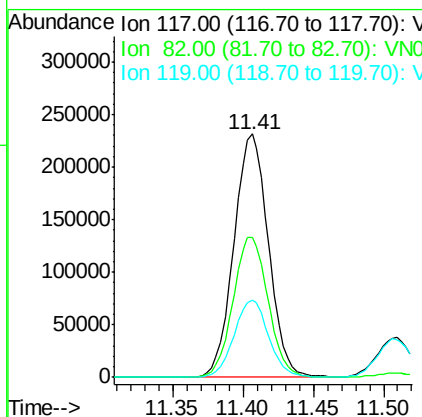
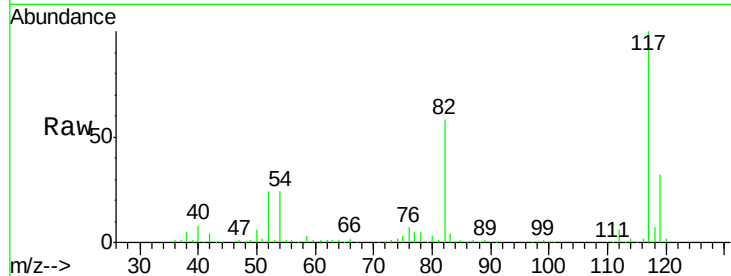
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.5	47.6	71.4
119	31.7	25.4	38.2

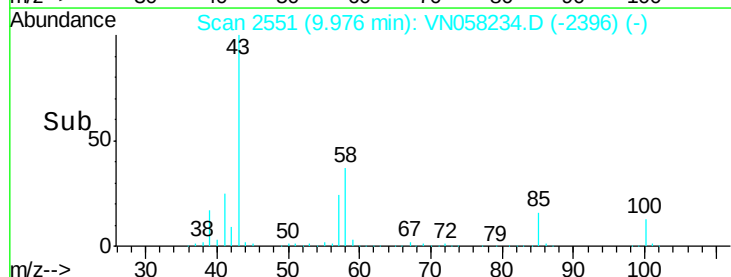
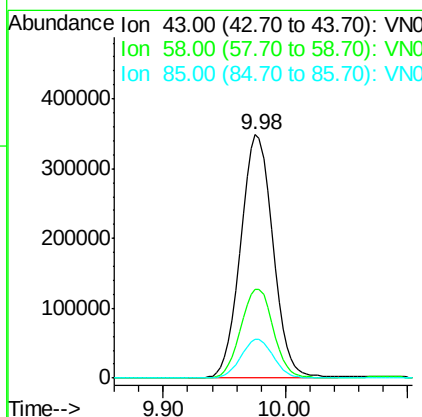
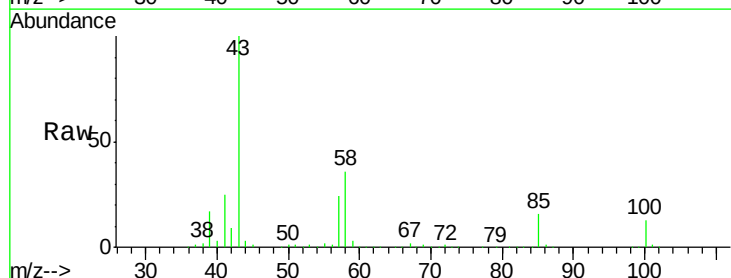
Manual Integrations
APPROVED

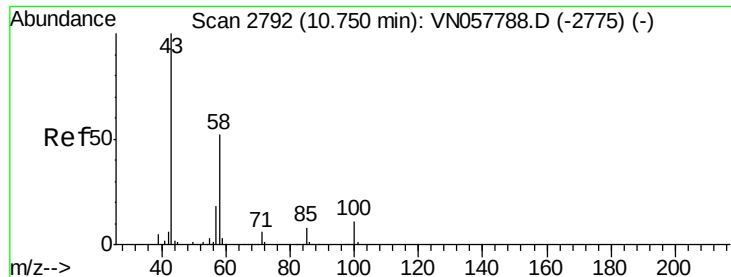
MMDadoda
9/23/2019 3:29:31 PM



#58
4-Methyl-2-Pentanone
Concen: 103.150 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.1	29.4	44.0
85	16.0	12.9	19.3





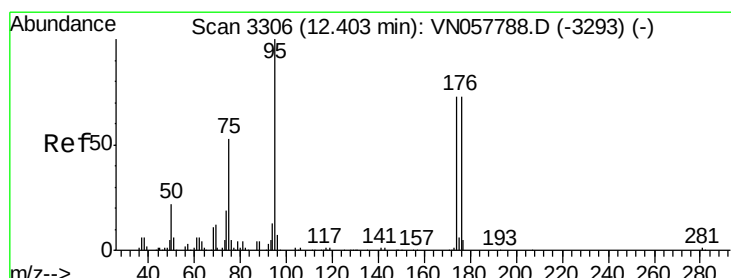
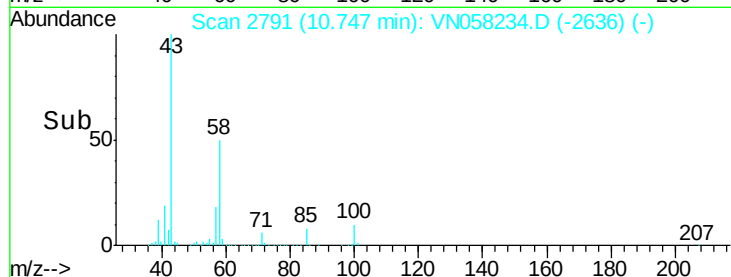
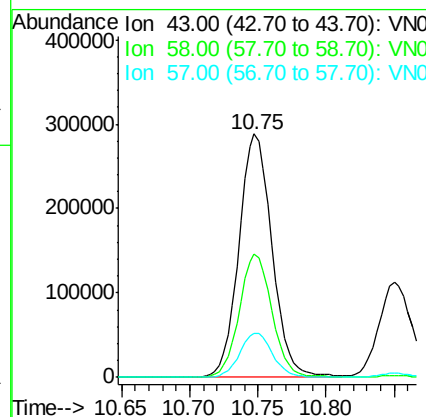
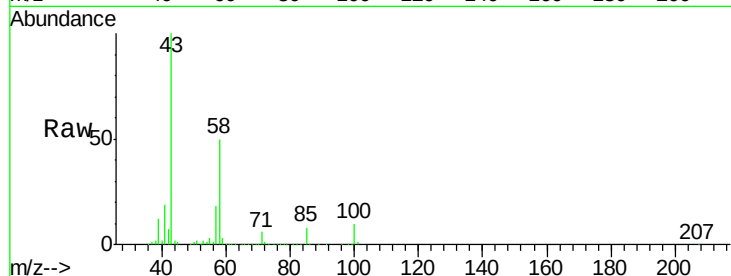
#59
 2-Hexanone
 Concen: 104.675 ug/l
 RT: 10.75 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:	43	Resp:	484030
Ion Ratio	Lower	Upper	
43	100		
58	50.4	40.6	61.0
57	18.2	14.5	21.7

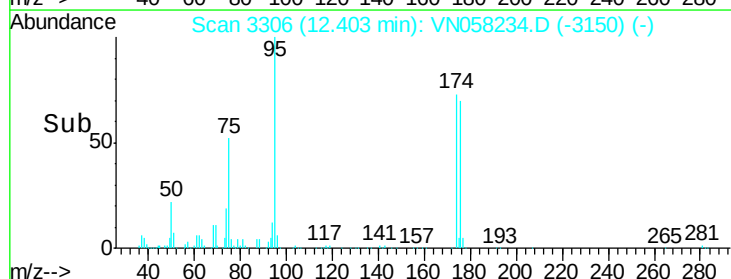
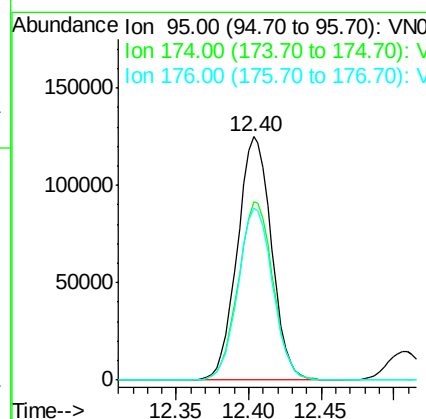
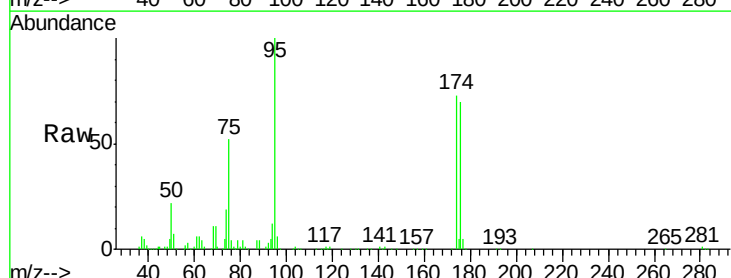
Manual Integrations
 APPROVED

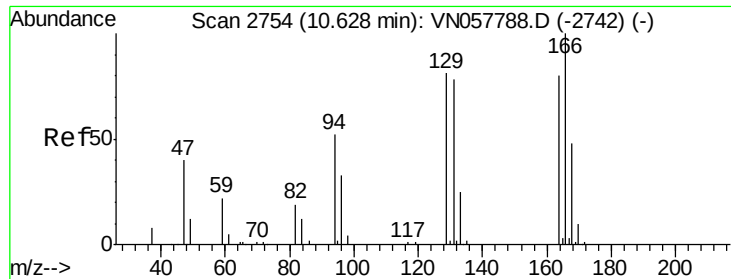
MMDadoda
 9/23/2019 3:29:31 PM



#60
 4-Bromofluorobenzene
 Concen: 30.111 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

Tgt Ion:	95	Resp:	204734
Ion Ratio	Lower	Upper	
95	100		
174	74.5	59.4	89.0
176	71.5	57.4	86.0





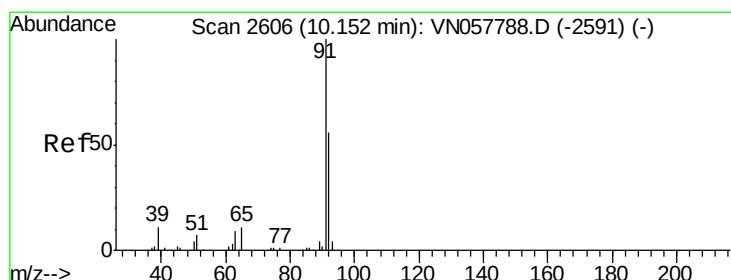
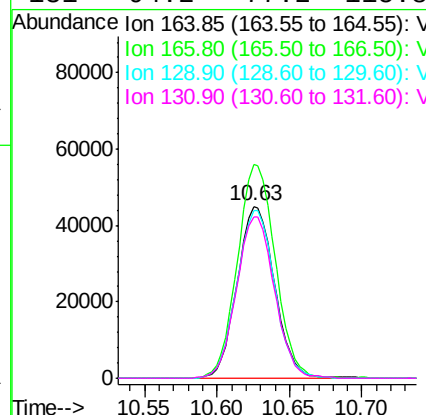
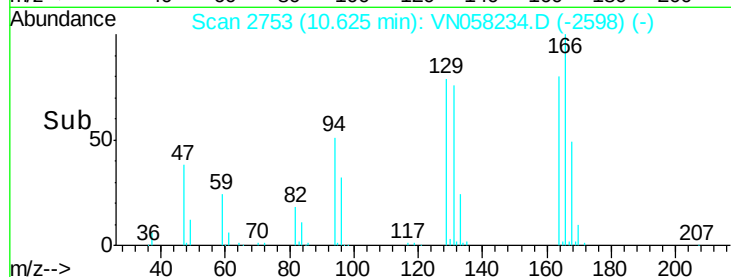
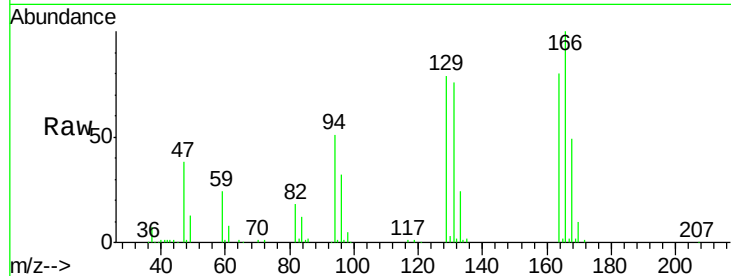
#61
Tetrachloroethene
Concen: 19.940 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	124.3	99.6	149.4	
129	97.6	80.9	121.3	
131	94.2	77.2	115.8	

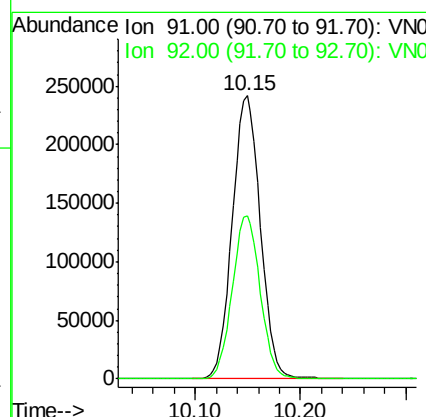
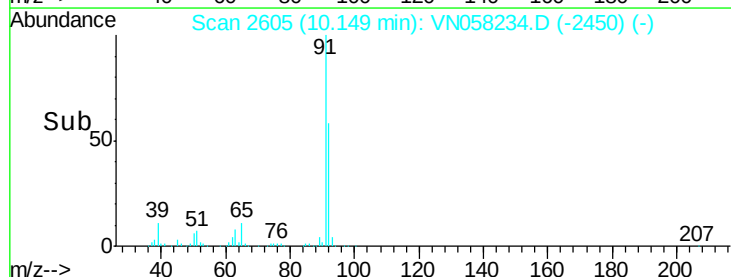
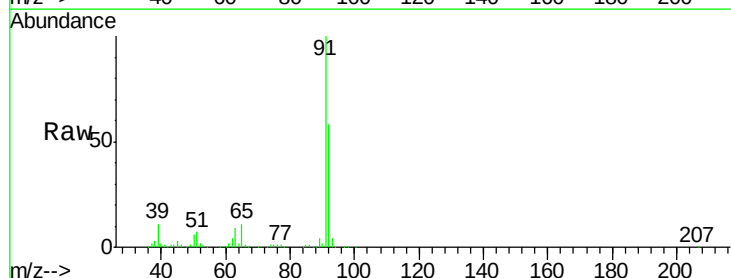
Manual Integrations
APPROVED

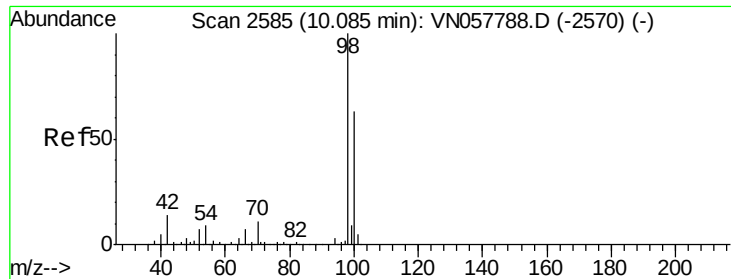
MMDadoda
9/23/2019 3:29:31 PM



#62
Toluene
Concen: 20.264 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. -0.00 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Tgt Ion	Ratio	Resp	Lower	Upper
91	100			
92	57.1	44.9	67.3	





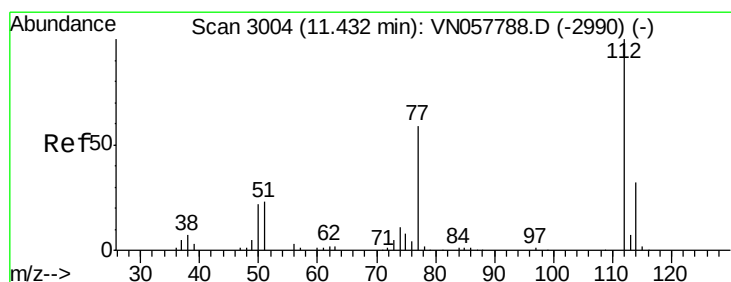
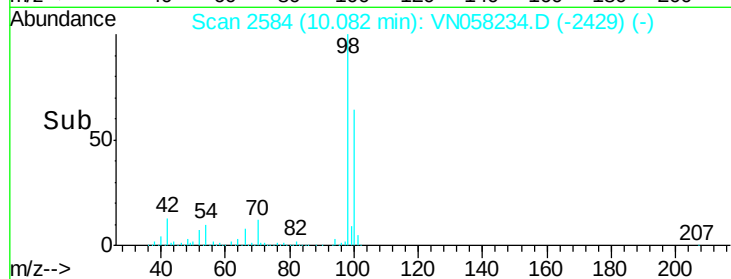
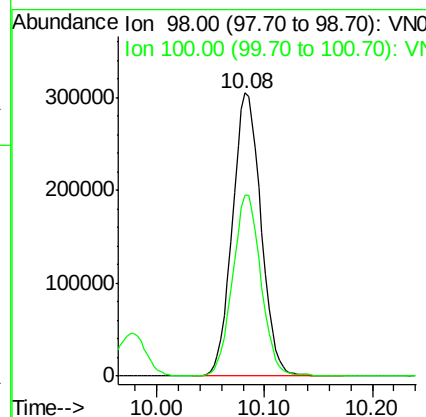
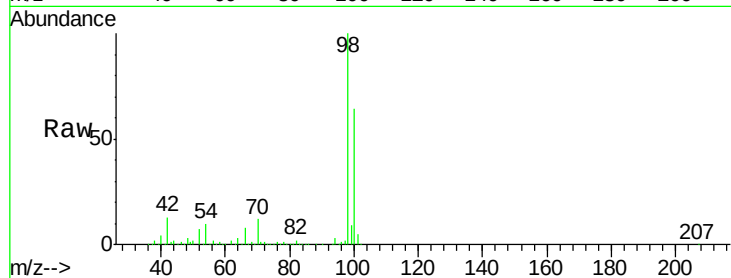
#63
Toluene-d8
Concen: 29.568 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 98 Resp: 563920
Ion Ratio Lower Upper
98 100
100 63.2 50.3 75.5

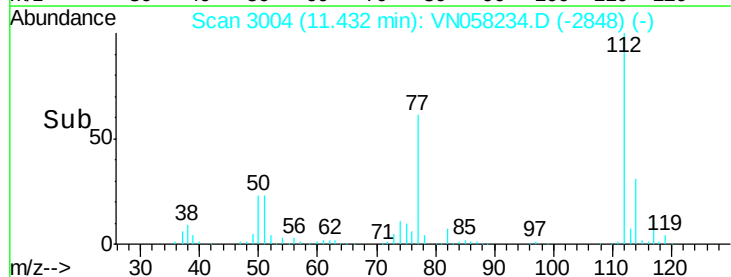
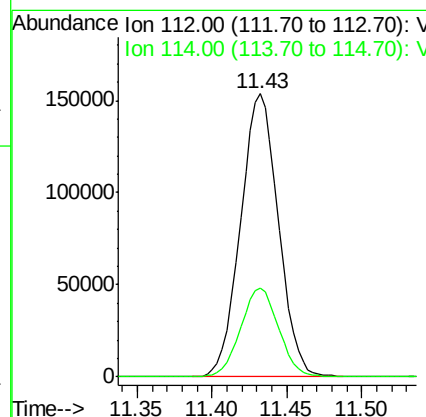
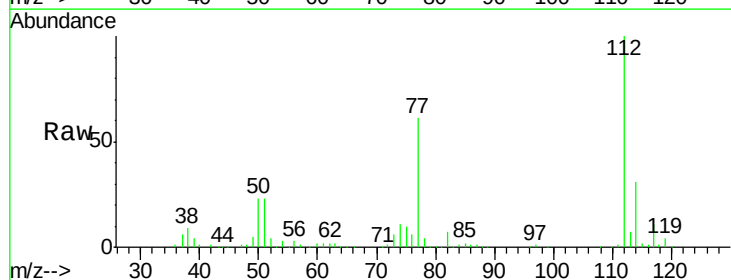
Manual Integrations
APPROVED

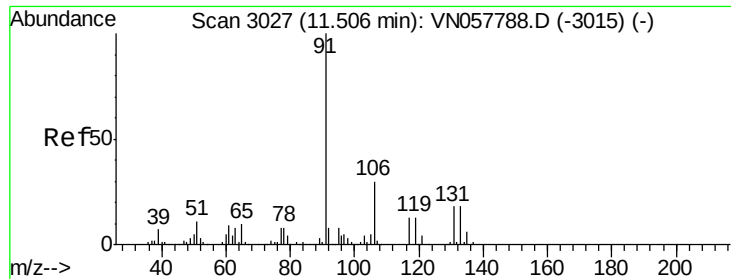
MMDadoda
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#64
Chlorobenzene
Concen: 19.781 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Tgt Ion: 112 Resp: 269975
Ion Ratio Lower Upper
112 100
114 31.5 25.4 38.0





#65

1,1,1,2-Tetrachloroethane

Concen: 19.766 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Instrument :

MSVOA_N

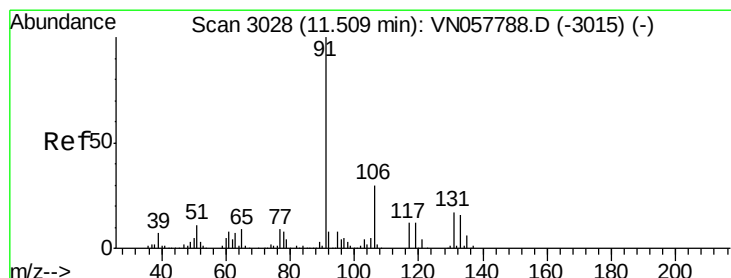
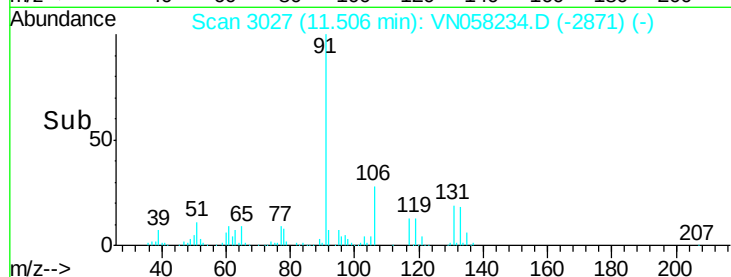
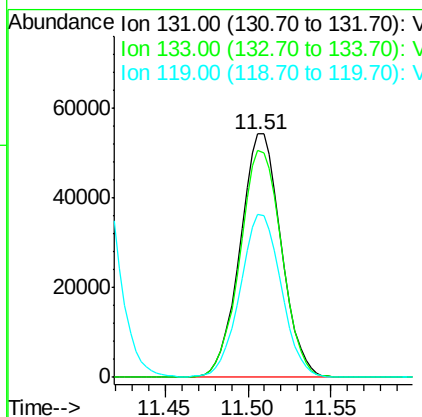
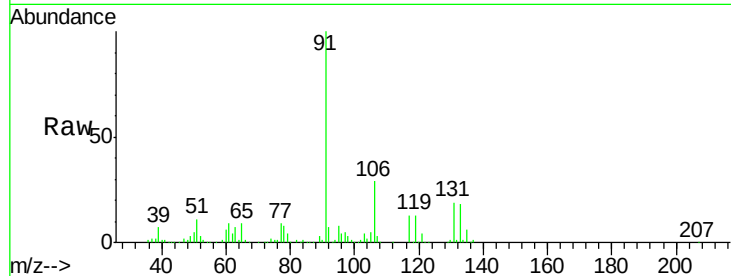
ClientSampleId :

VSTDCCC020

Tot Ion:	131	Resp:	93667
Ion Ratio	Lower	Upper	
131	100		
133	94.9	0.0	189.2
119	67.0	0.0	136.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 20.604 ug/l

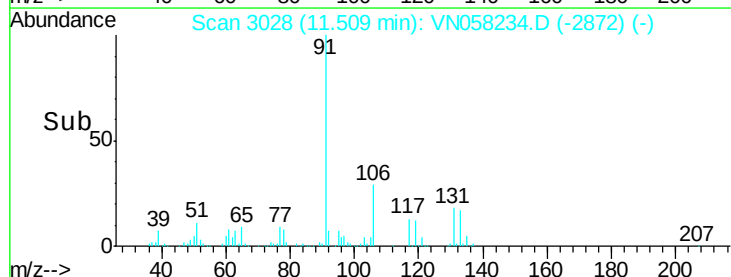
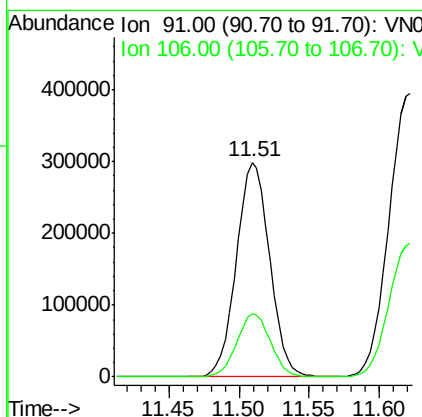
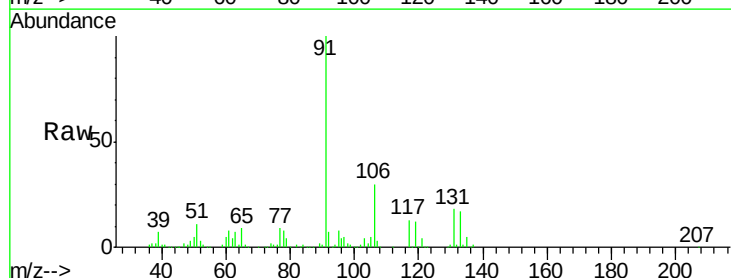
RT: 11.51 min Scan# 3028

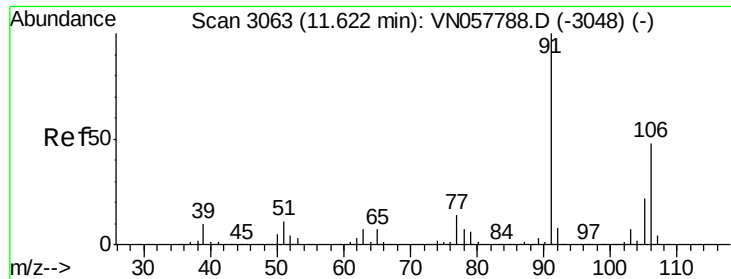
Delta R.T. 0.00 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Tgt Ion:	91	Resp:	494741
Ion Ratio	Lower	Upper	
91	100		
106	29.6	24.0	36.0





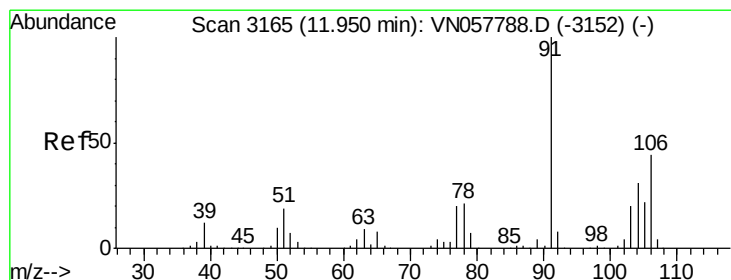
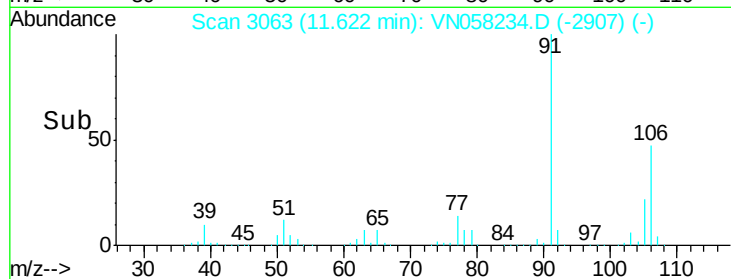
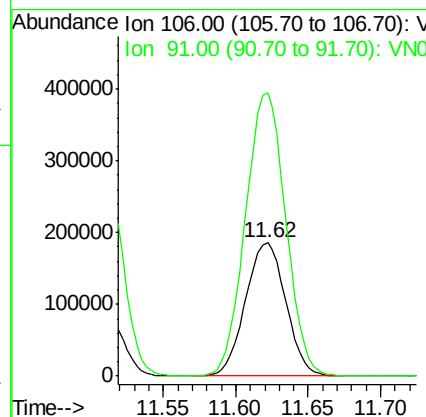
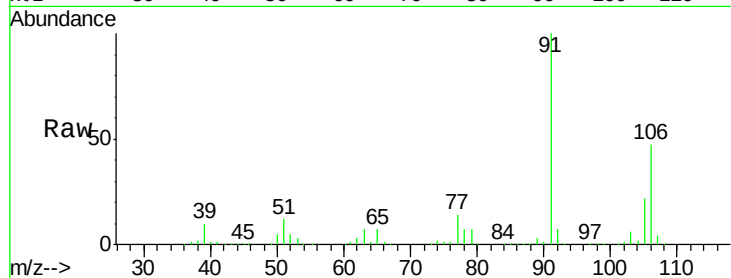
#67
m/p-Xylenes
Concen: 39.252 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:106 Resp: 359741
Ion Ratio Lower Upper
106 100
91 211.9 166.1 249.1

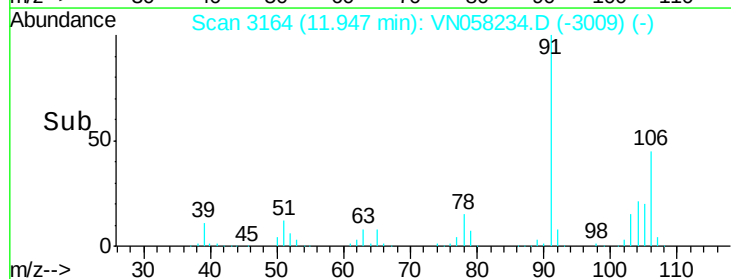
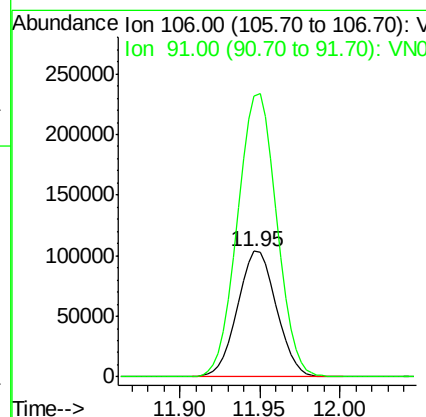
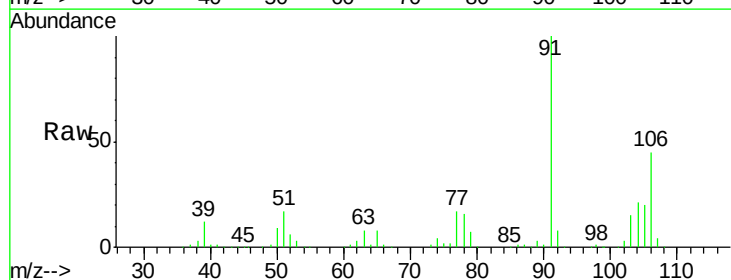
Manual Integrations
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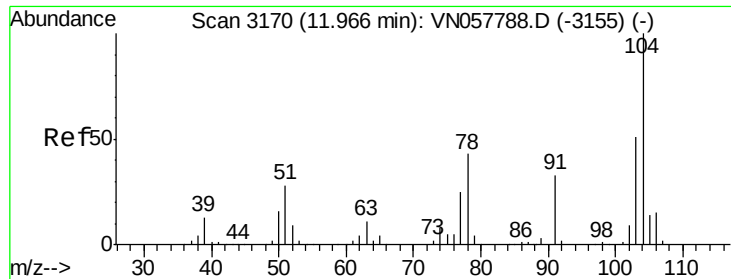
MMDadoda
9/23/2019 3:29:31 PM



#68
o-Xylene
Concen: 19.207 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Tgt Ion:106 Resp: 172455
Ion Ratio Lower Upper
106 100
91 225.9 111.5 334.4





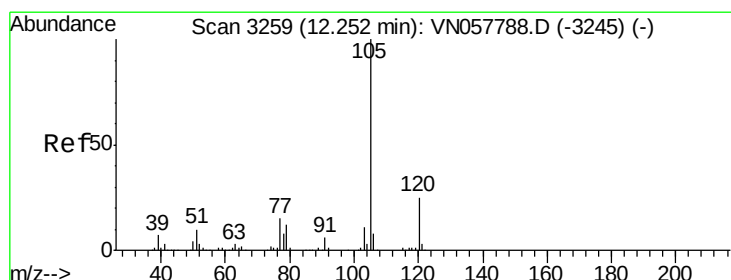
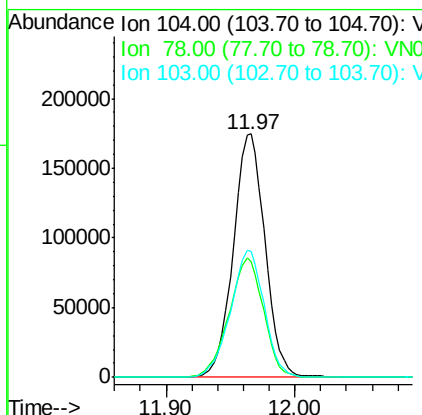
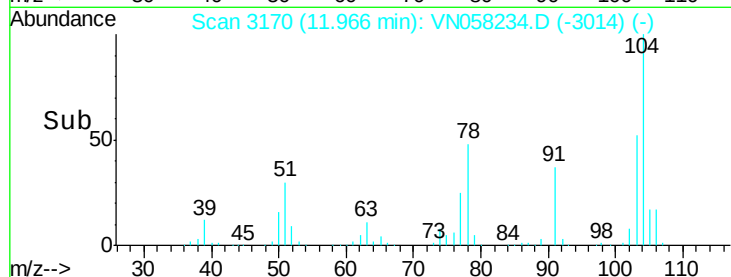
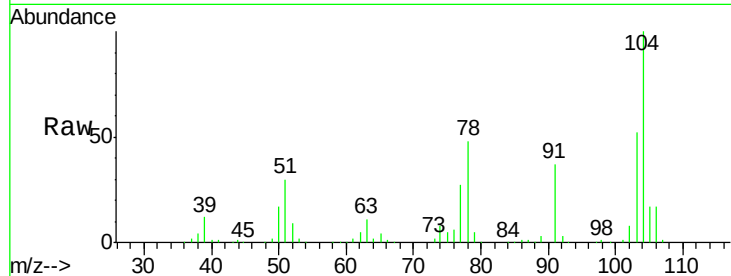
#69
Stvrene
Concen: 19.523 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
104	100	298859		
78	53.2	41.5	62.3	
103	55.5	44.8	67.2	

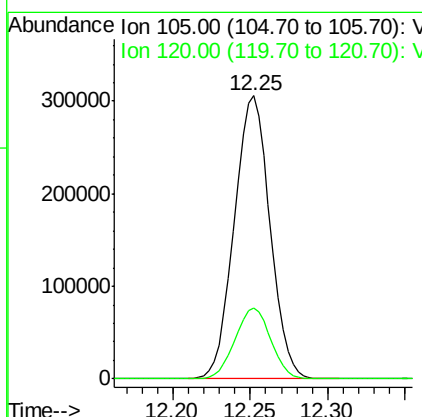
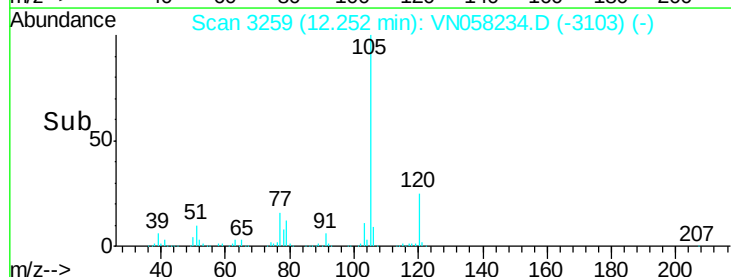
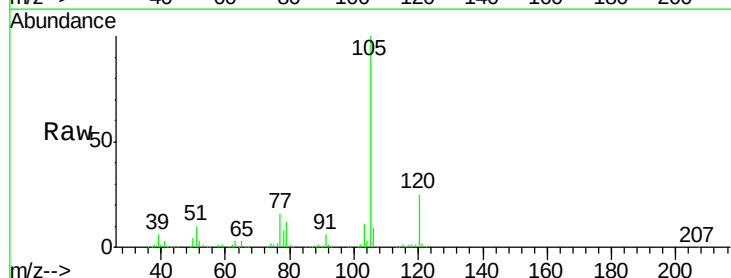
Manual Integrations
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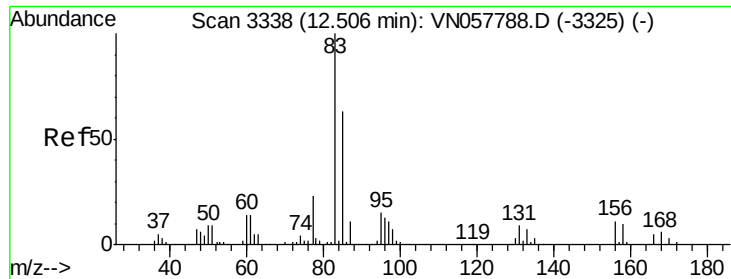
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#70
Isopropylbenzene
Concen: 20.634 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	489779		
120	25.1	17.6	32.6	





#71

1,1,2,2-Tetrachloroethane

Concen: 19.606 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Instrument :

MSVOA_N

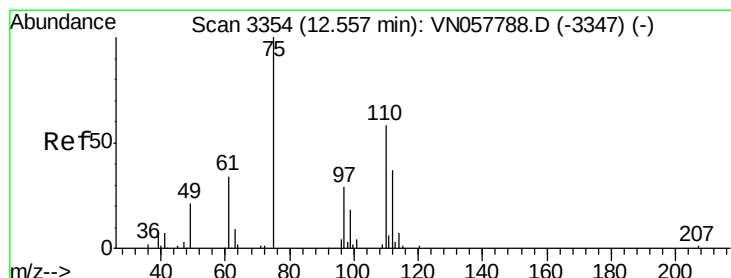
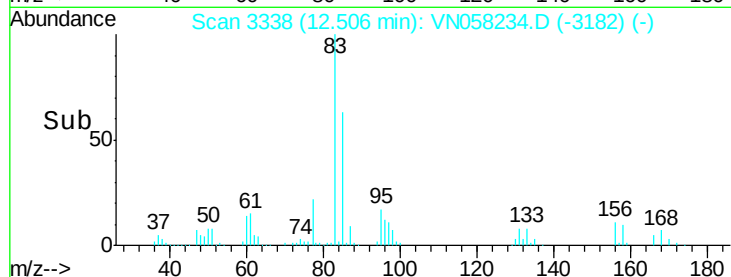
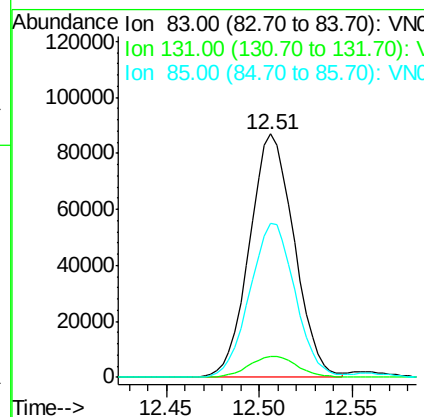
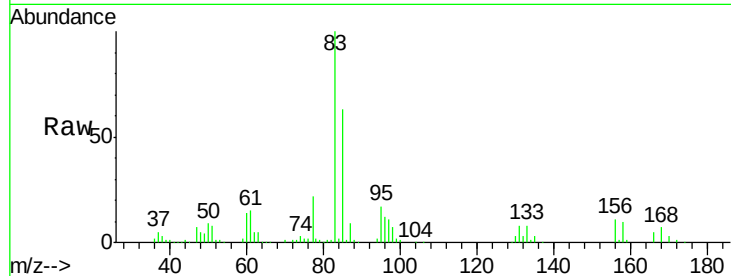
ClientSampleId :

VSTDCCC020

Tot Ion:	83	Resp:	145446
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.9	14.6
85	64.1	32.1	96.3

Manual Integrations
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#72

1,2,3-Trichloropropane

Concen: 19.542 ug/l m

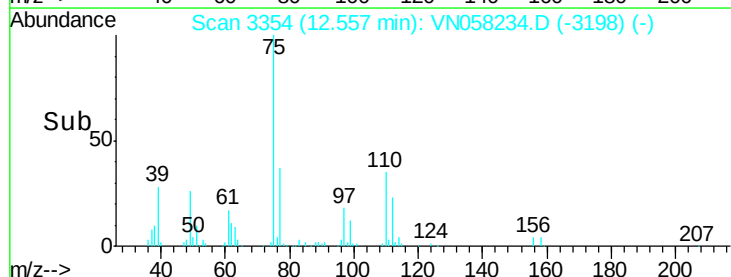
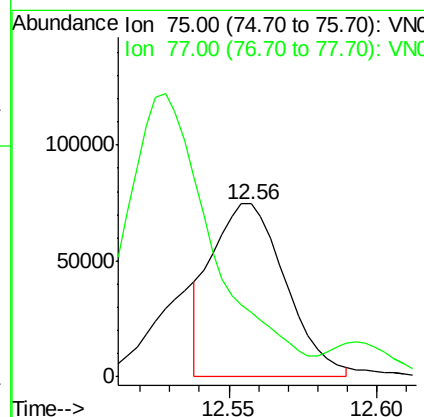
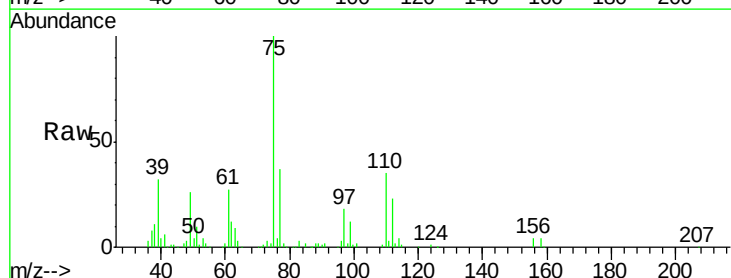
RT: 12.56 min Scan# 3354

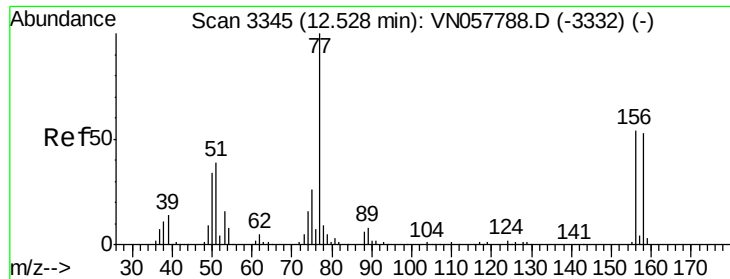
Delta R.T. 0.00 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Tgt Ion:	75	Resp:	128675
Ion Ratio	Lower	Upper	
75	100		
77	194.3	0.0	351.6





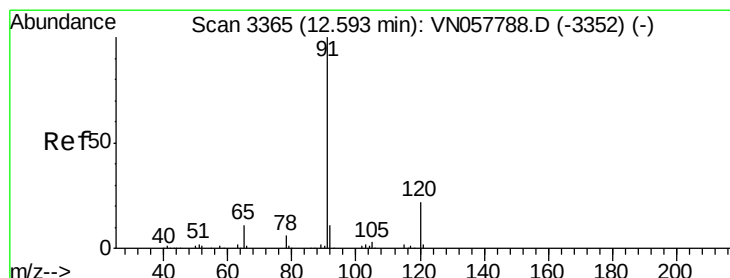
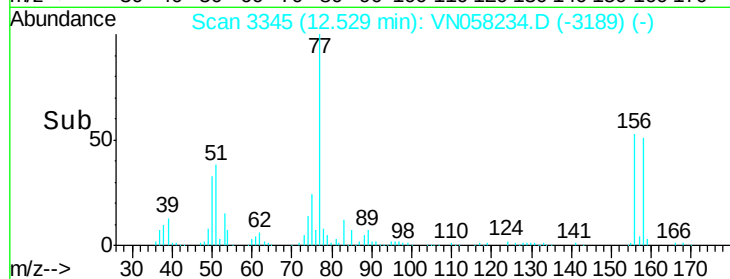
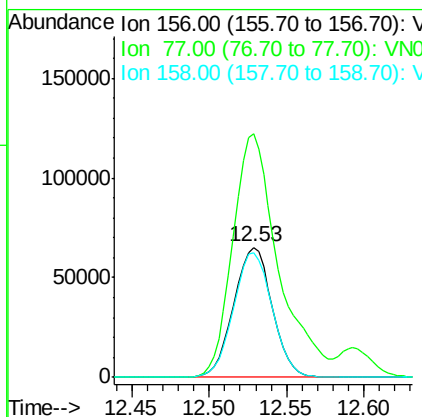
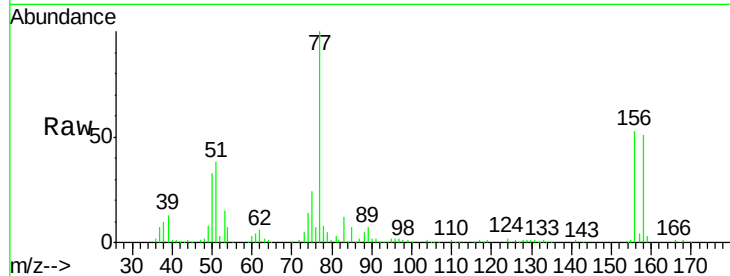
#73
Bromobenzene
Concen: 19.816 ug/l
RT: 12.53 min Scan# 3345
Delta R.T. 0.00 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	222.1	0.0	446.6		
158	96.8	0.0	197.2		

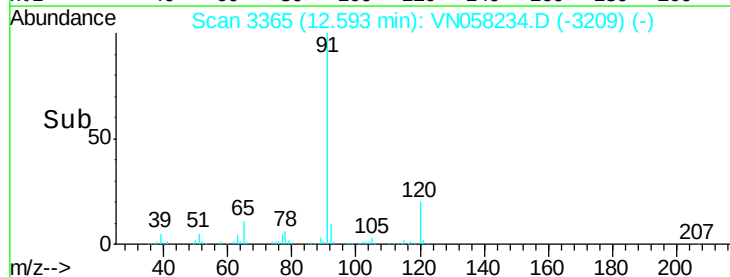
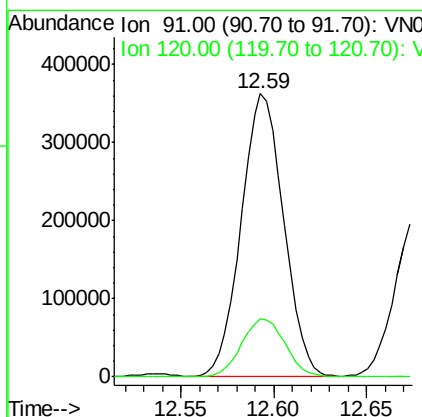
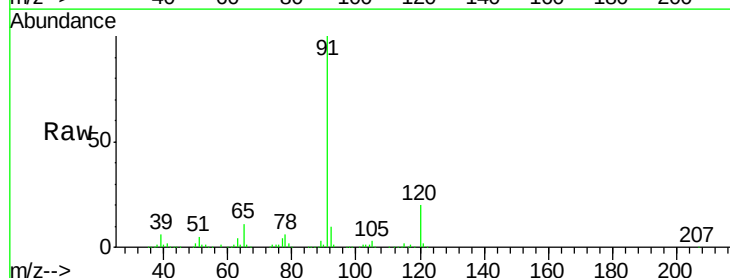
Manual Integrations
APPROVED

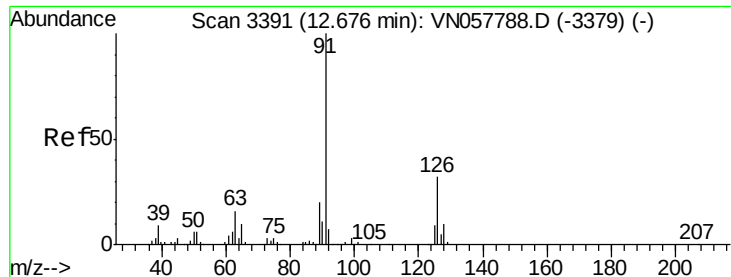
MMDadoda
9/23/2019 3:29:31 PM



#74
n-propylbenzene
Concen: 21.274 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	21.2	0.0	43.4		





#75

2-Chlorotoluene

Concen: 20.208 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 91 Resp: 341345

Ion Ratio Lower Upper

91 100

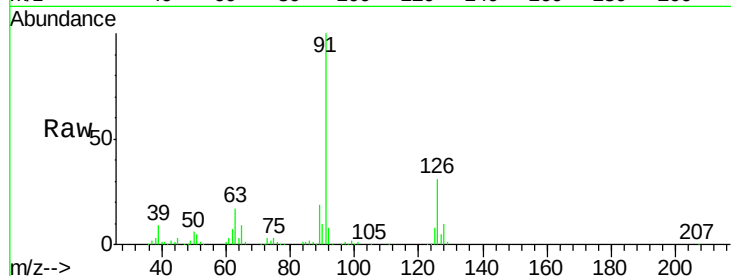
126 31.6 0.0 64.8

Manual Integrations

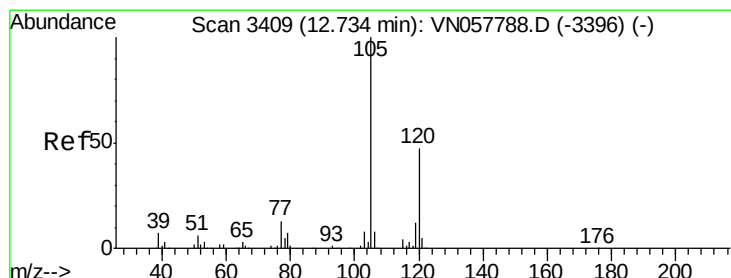
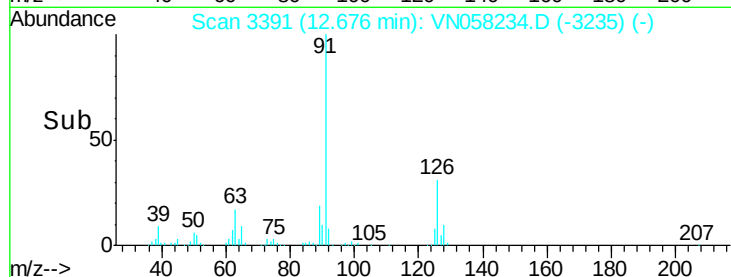
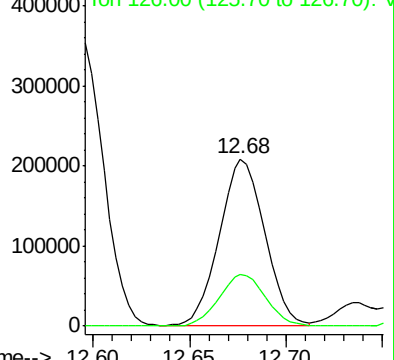
APPROVED

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Abundance Ion 91.00 (90.70 to 91.70): VN057788.D (-3379) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.041 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058234.D

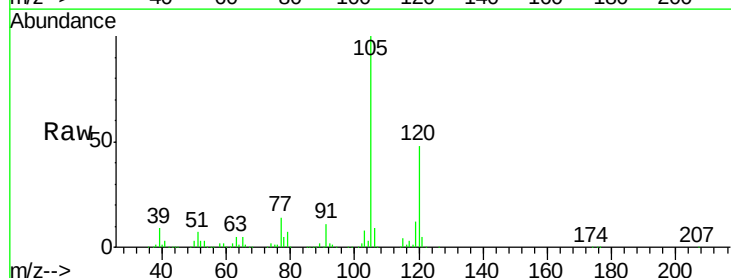
Acq: 20 Sep 2019 8:47

Tgt Ion: 105 Resp: 405075

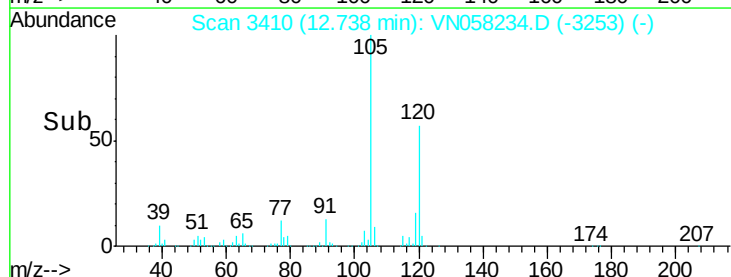
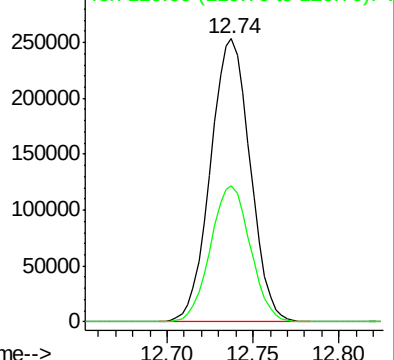
Ion Ratio Lower Upper

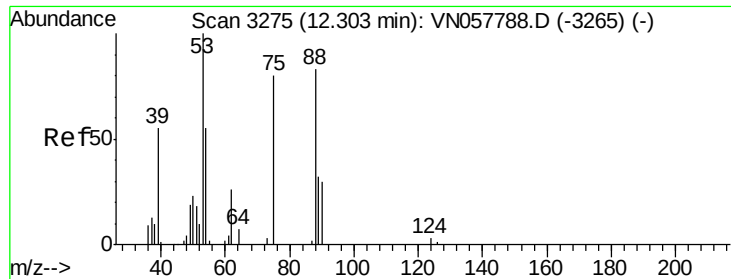
105 100

120 48.4 0.0 94.4



Abundance Ion 105.00 (104.70 to 105.70): VN057788.D (-3396) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 17.339 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Instrument :

MSVOA_N

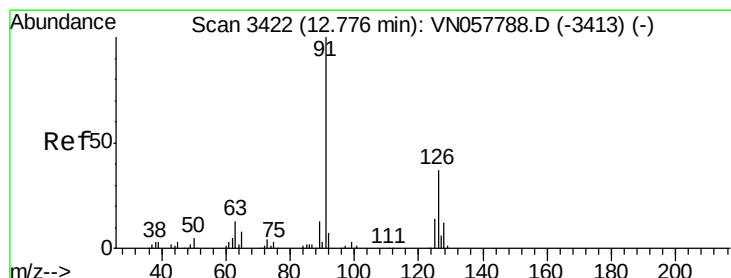
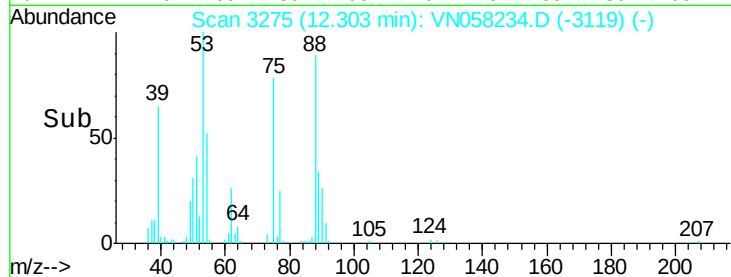
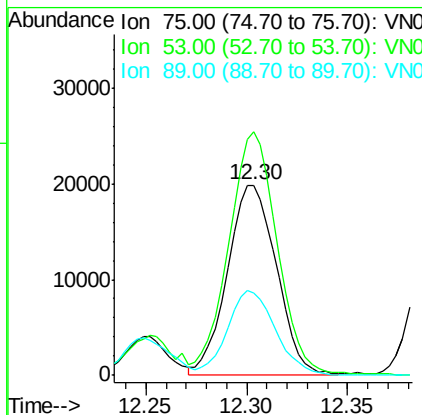
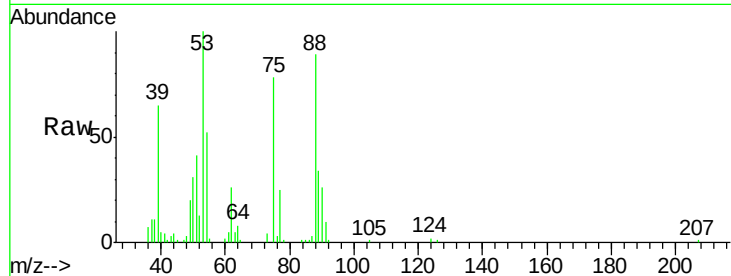
ClientSampleId :

VSTDCCC020

Tot Ion:	75	Resp:	33869
Ion	Ratio	Lower	Upper
75	100		
53	128.2	62.7	188.2
89	43.9	22.8	68.3

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#78

4-Chlorotoluene

Concen: 20.354 ug/l

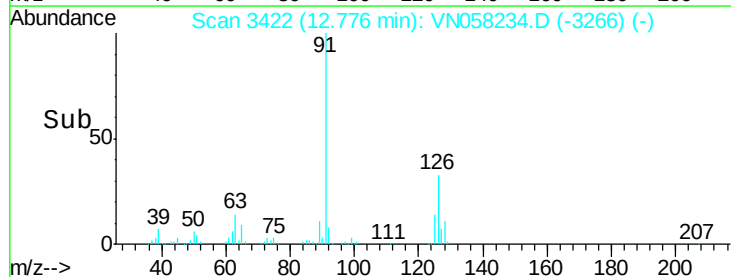
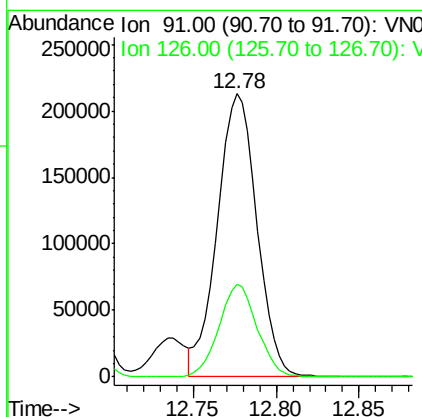
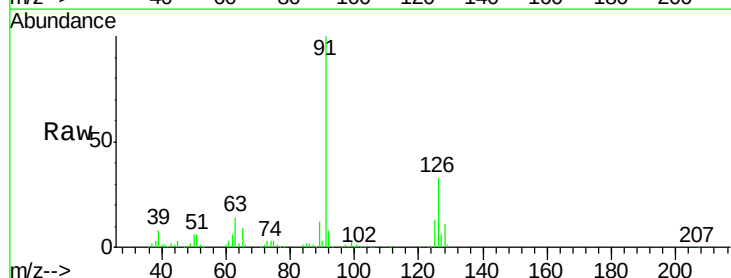
RT: 12.78 min Scan# 3422

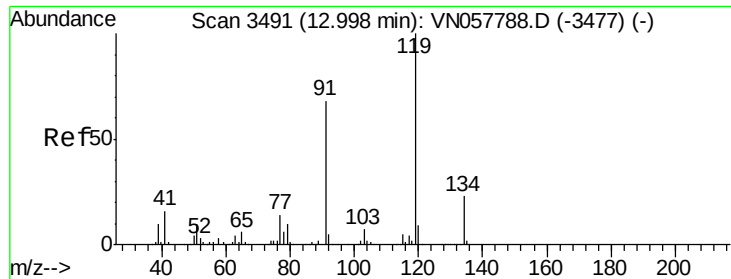
Delta R.T. 0.00 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Tgt Ion:	91	Resp:	350707
Ion	Ratio	Lower	Upper
91	100		
126	31.6	0.0	65.2





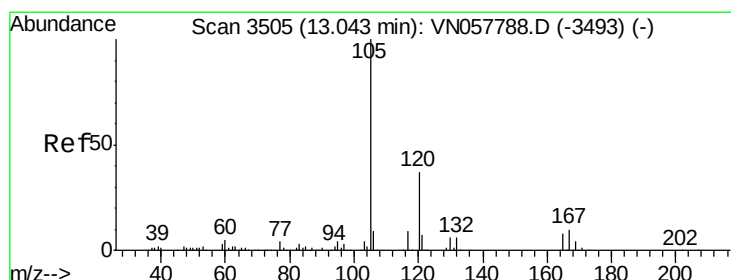
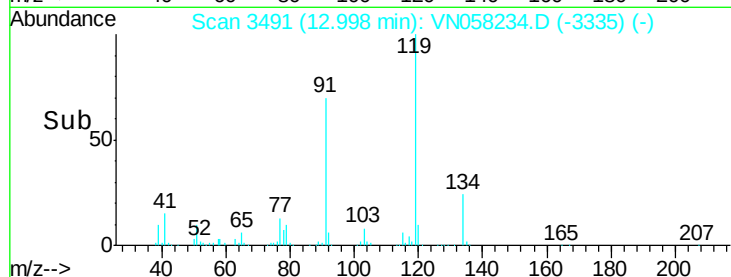
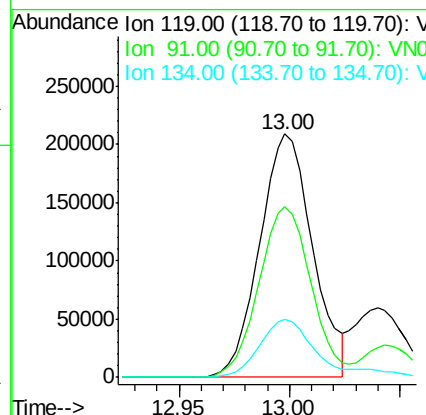
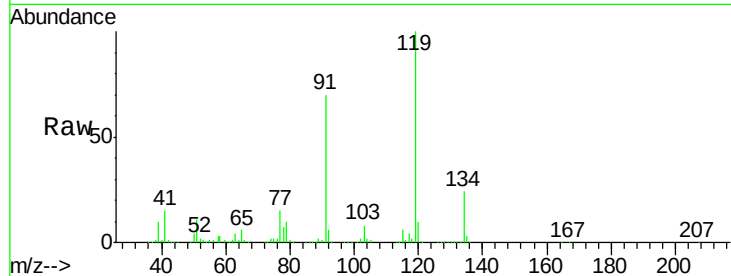
#79
tert-butylbenzene
Concen: 19.684 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	347109		
91	69.2	0.0	133.8	
134	23.8	0.0	46.4	

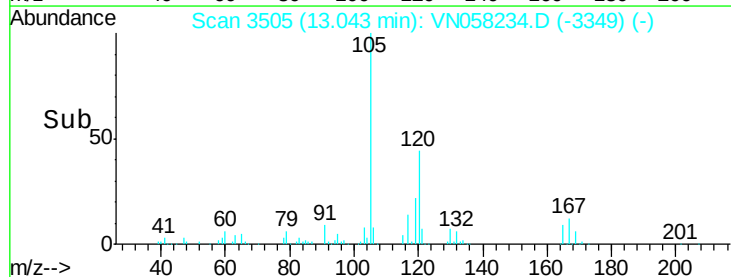
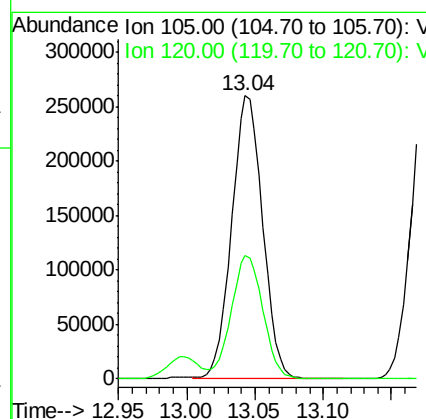
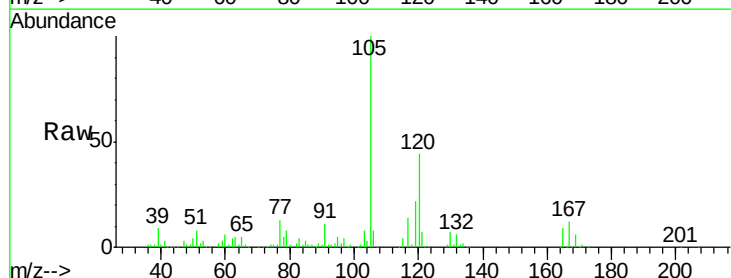
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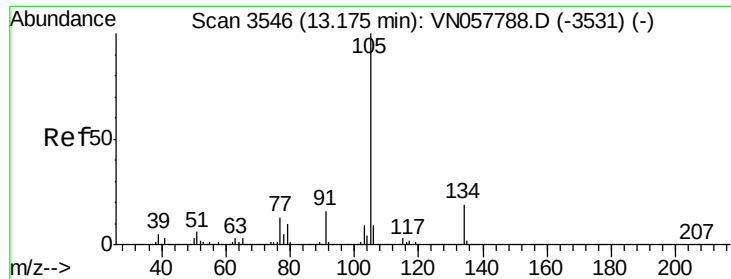
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 20.368 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	410205		
120	44.3	0.0	87.8	





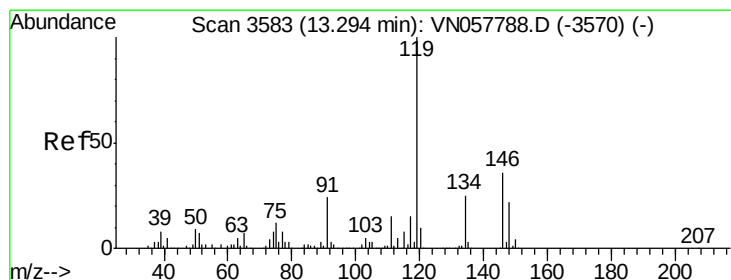
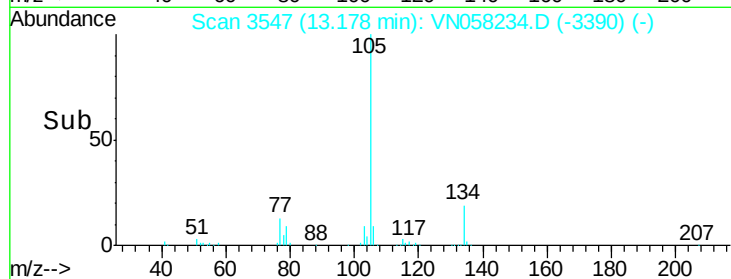
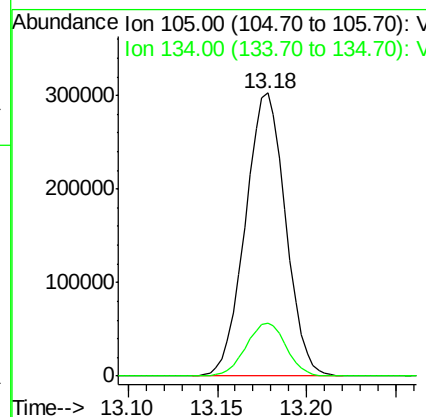
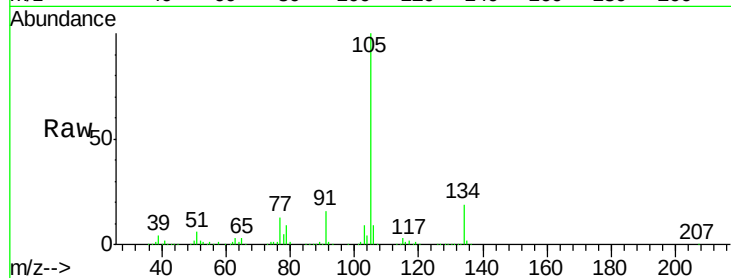
#81
 sec-Butylbenzene
 Concen: 20.339 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.9	0.0	37.6

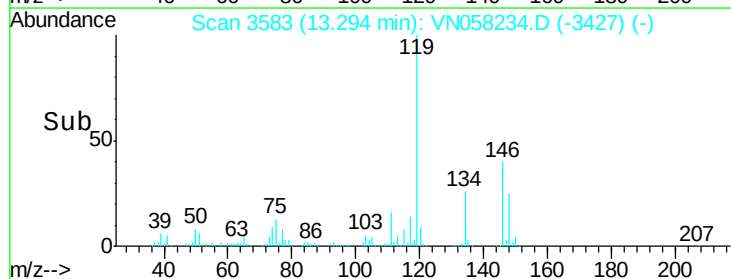
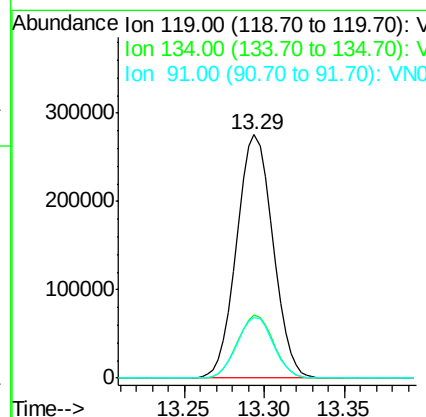
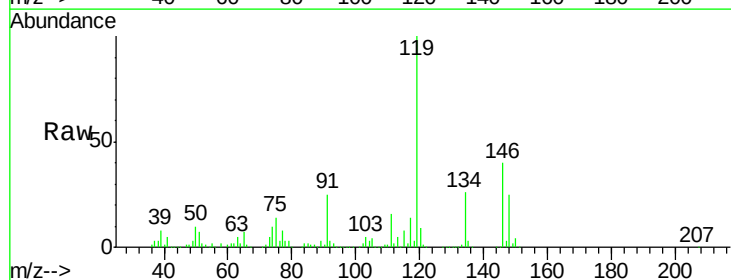
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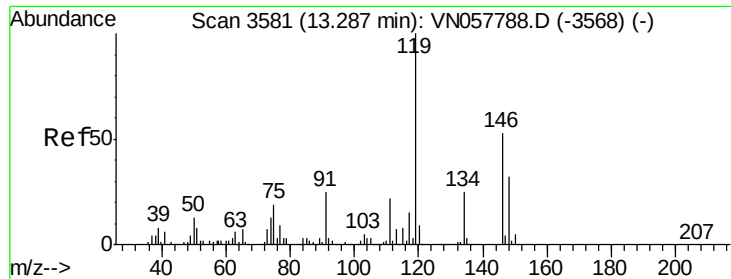
MMDadoda
 9/23/2019 3:29:31 PM



#82
 p-Isopropyltoluene
 Concen: 20.253 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	0.0	50.4
91	24.9	0.0	48.8





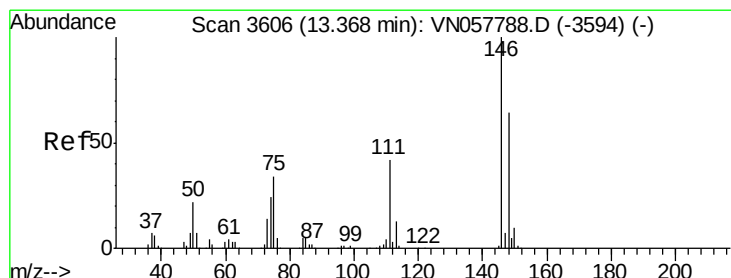
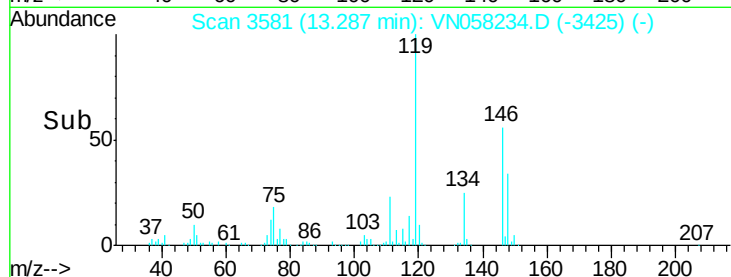
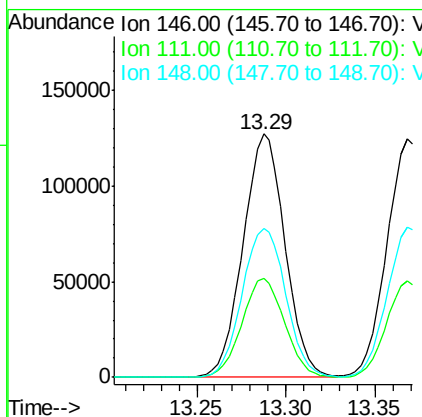
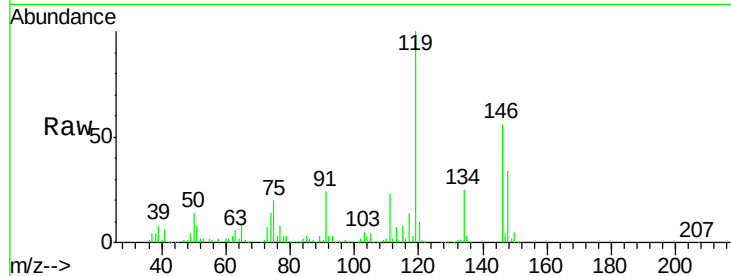
#83
 1,3-Dichlorobenzene
 Concen: 19.842 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.7	62.1
148	63.7	30.9	92.5

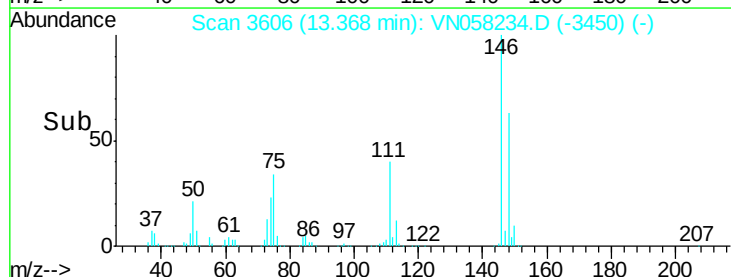
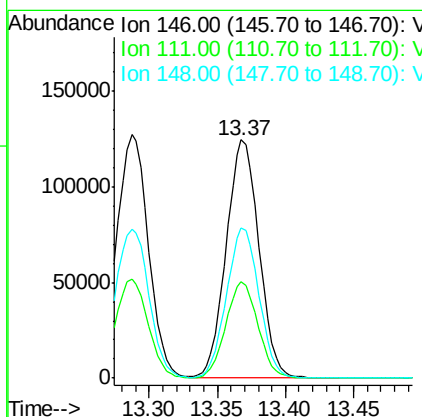
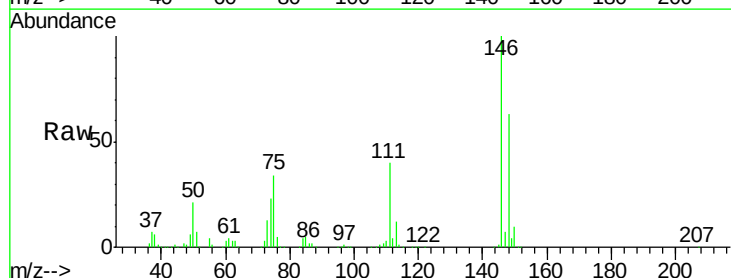
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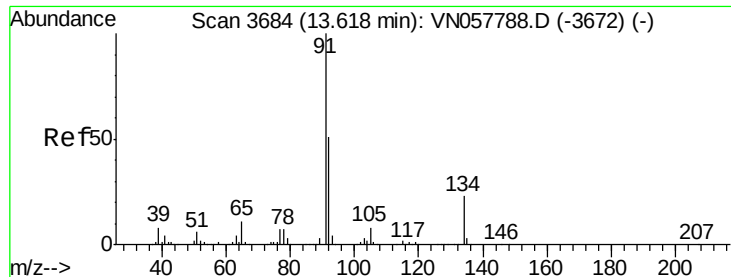
MMDadoda
 9/23/2019 3:29:31 PM



#84
 1,4-Dichlorobenzene
 Concen: 19.908 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	21.1	63.4
148	63.1	31.7	95.1





#85

n-Butylbenzene

Concen: 19.429 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Instrument :

MSVOA_N

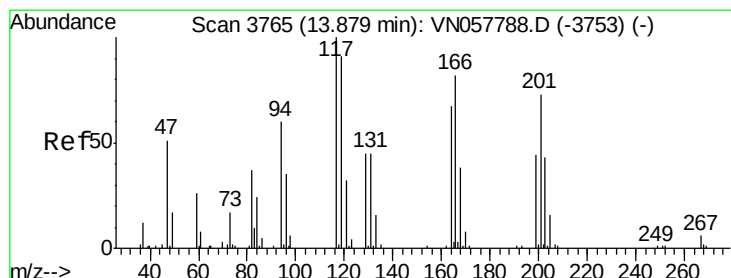
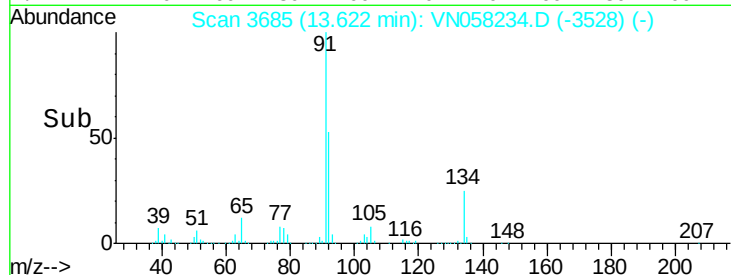
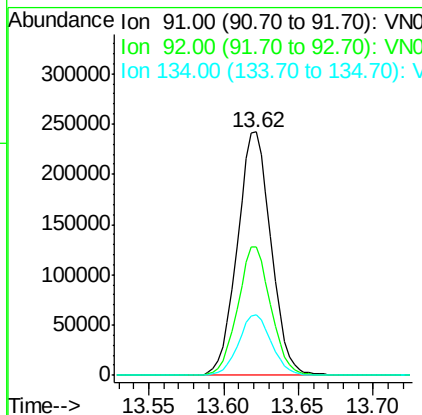
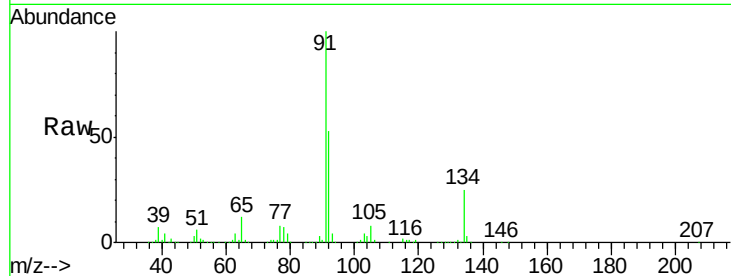
ClientSampleId :

VSTDCCC020

Tot Ion:	91	Resp:	379400
Ion	Ratio	Lower	Upper
91	100		
92	52.1	0.0	100.0
134	24.3	0.0	46.6

Manual Integrations
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#86

Hexachloroethane

Concen: 17.879 ug/l

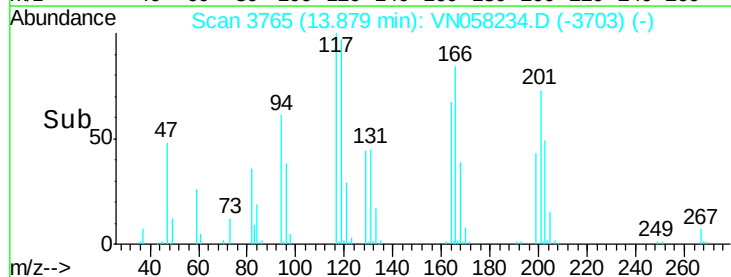
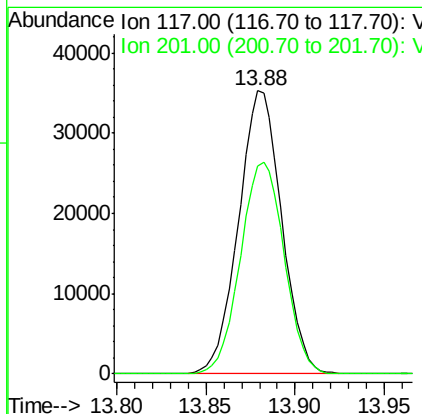
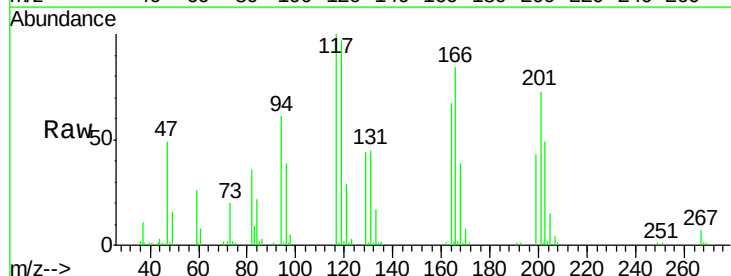
RT: 13.88 min Scan# 3765

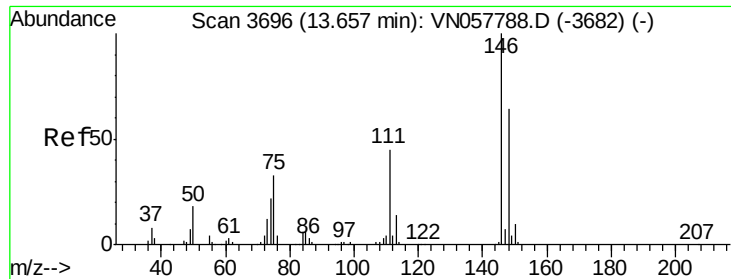
Delta R.T. 0.00 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Tgt Ion:	117	Resp:	59668
Ion	Ratio	Lower	Upper
117	100		
201	75.6	36.7	110.1





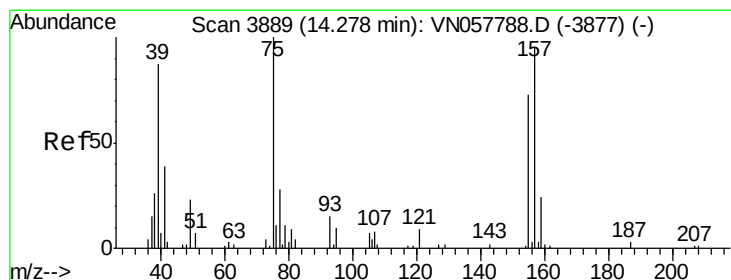
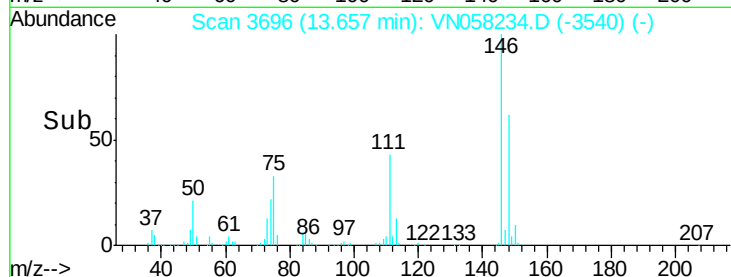
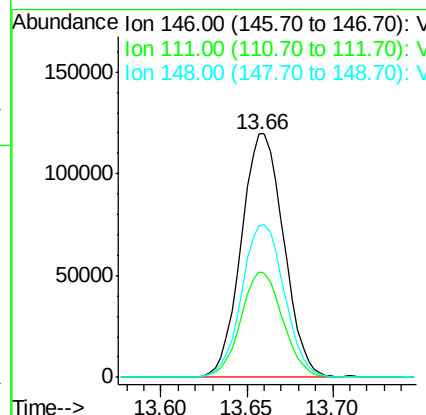
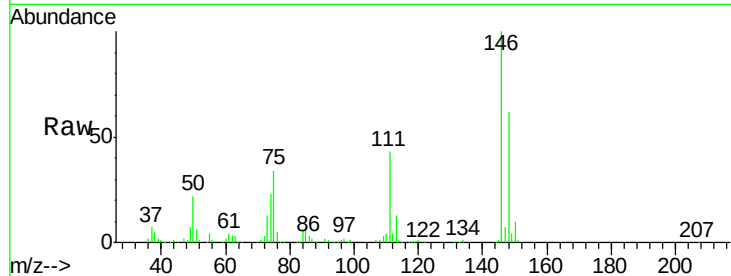
#87
 1,2-Dichlorobenzene
 Concen: 20.111 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	206206		
111	42.8	22.2	66.6	
148	62.9	32.1	96.3	

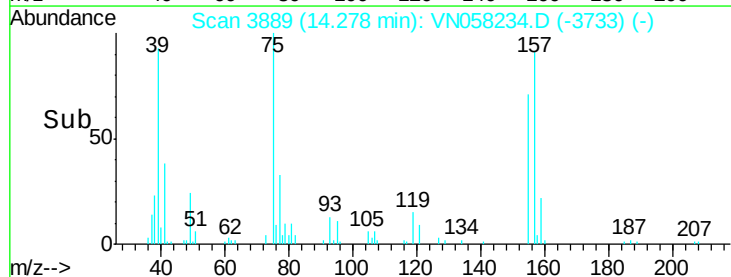
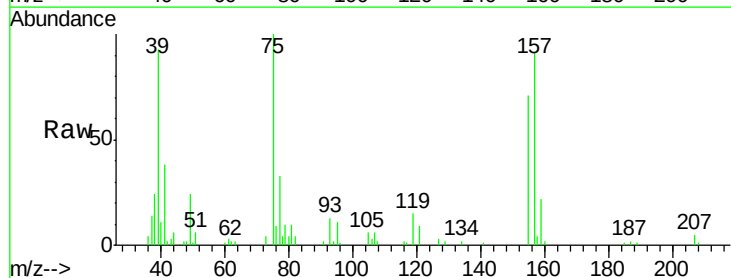
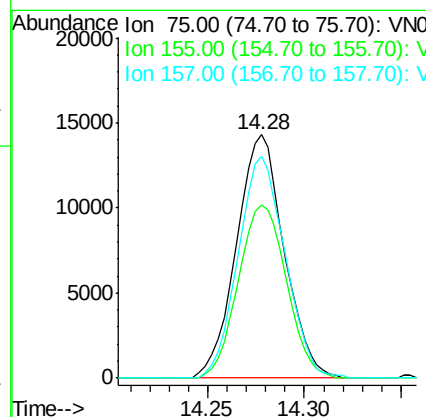
Manual Integrations
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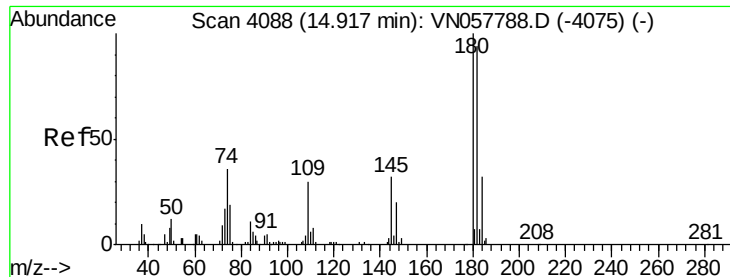
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.733 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	24469		
155	71.9	59.4	89.2	
157	89.9	74.6	112.0	





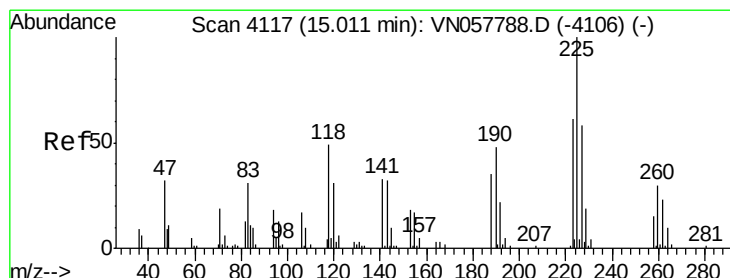
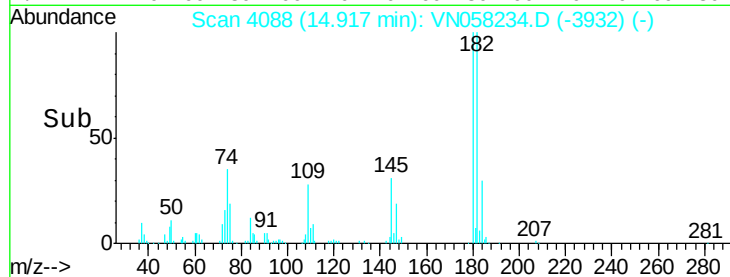
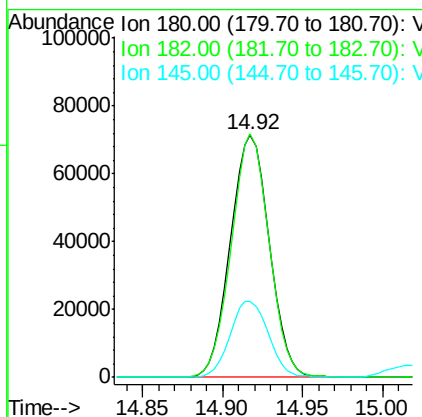
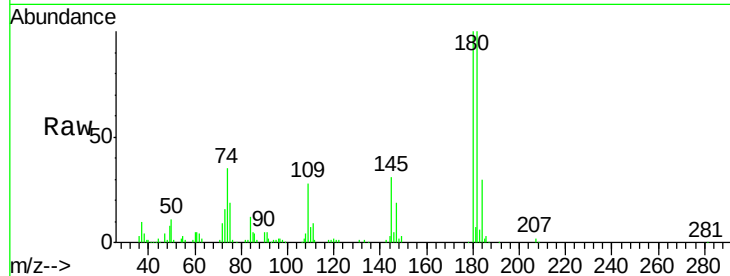
#89
 1,2,4-Trichlorobenzene
 Concen: 18.835 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	117971		
182	97.8	77.0	115.4	
145	31.1	26.1	39.1	

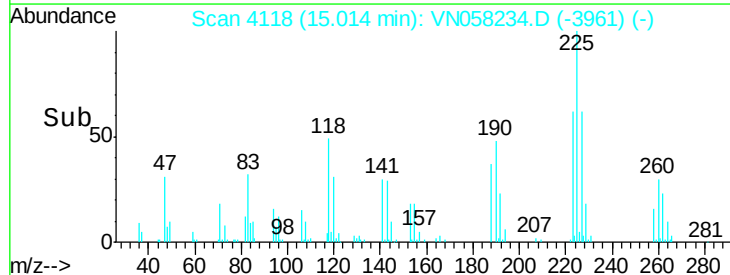
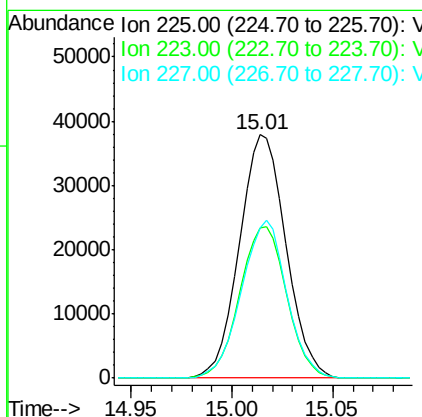
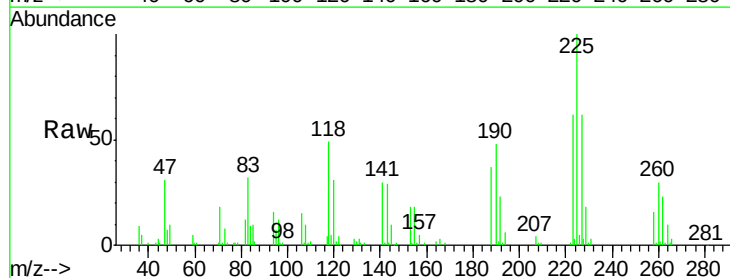
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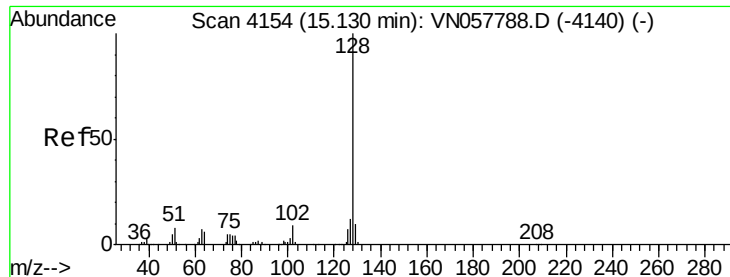
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#90
 Hexachlorobutadiene
 Concen: 21.320 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	61329		
223	62.7	0.0	125.0	
227	63.1	0.0	123.8	





#91

Naphthalene

Concen: 17.406 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Instrument :

MSVOA_N

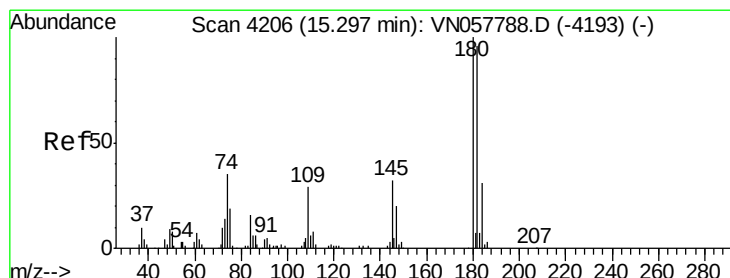
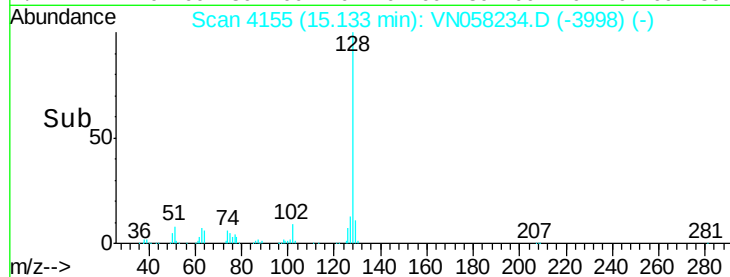
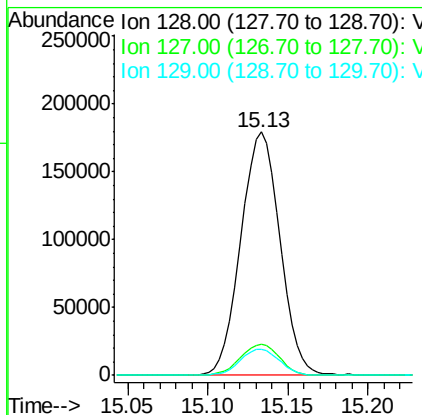
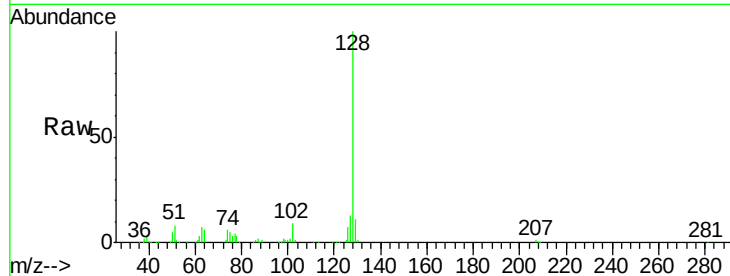
ClientSampleId :

VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		299982		
127	13.0		9.9	14.9	
129	10.8		8.1	12.1	

Manual Integrations
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#92

1,2,3-Trichlorobenzene

Concen: 18.452 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		110222		
182	95.6		0.0	189.8	
145	34.0		0.0	65.0	

