

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010319\
 Data File : VN053274.D
 Acq On : 3 Jan 2019 20:31
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/4/2019 12:39:06 PM

Quant Time: Jan 04 08:57:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	739036	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1140205	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1027664	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	495954	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	405698	54.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.18%	
35) Dibromofluoromethane	7.59	113	346583	66.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	133.08%	
50) Toluene-d8	10.09	98	1420649	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
62) 4-Bromofluorobenzene	12.40	95	512550	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	340862	45.572	ug/l	99
3) Chloromethane	2.06	50	435663	48.067	ug/l	99
4) Vinyl Chloride	2.19	62	442476	48.203	ug/l	100
5) Bromomethane	2.56	94	314222	49.407	ug/l	100
6) Chloroethane	2.71	64	269028	49.485	ug/l	98
7) Trichlorofluoromethane	3.02	101	599165	52.396	ug/l	100
8) Diethyl Ether	3.41	74	247682	57.413	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	387275	53.117	ug/l	98
10) Methyl Iodide	3.96	142	568320	55.505	ug/l	100
11) Tert butyl alcohol	4.78	59	154252	337.082	ug/l	99
12) 1,1-Dichloroethene	3.74	96	369606	52.471	ug/l	100
13) Acrolein	3.61	56	132325	318.907	ug/l	100
14) Allyl chloride	4.33	41	585877	53.696	ug/l	96
15) Acrylonitrile	4.99	53	810900	318.970	ug/l	99
16) Acetone	3.82	43	515341	350.458	ug/l	97
17) Carbon Disulfide	4.06	76	925961	40.308	ug/l	100
18) Methyl Acetate	4.32	43	485536	72.298	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1138387	60.391	ug/l	99
20) Methylene Chloride	4.55	84	442583	55.176	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	393955	52.054	ug/l	98
22) Diisopropyl ether	5.95	45	1390250	59.694	ug/l	98
23) Vinyl Acetate	5.90	43	4134177	308.702	ug/l	99
24) 1,1-Dichloroethane	5.85	63	788217	56.955	ug/l	99
25) 2-Butanone	6.83	43	860377	348.638	ug/l	99
26) 2,2-Dichloropropane	6.83	77	528096	49.988	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	478196	55.812	ug/l	99
28) Bromochloromethane	7.20	49	341211	56.899	ug/l	97
29) Tetrahydrofuran	7.21	42	609993	330.953	ug/l	98
30) Chloroform	7.37	83	782187	57.535	ug/l	99
31) Cyclohexane	7.65	56	661245	50.965	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	636298	54.942	ug/l	99
36) 1,1-Dichloropropene	7.79	75	567841	51.886	ug/l	100
37) Ethyl Acetate	6.93	43	389044	63.679	ug/l	99
38) Carbon Tetrachloride	7.78	117	542168	54.048	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	628851	47.301	ug/l	98
40) Benzene	8.04	78	1770743	54.396	ug/l	99
41) Methacrylonitrile	7.17	41	216835	61.426	ug/l	99
42) 1,2-Dichloroethane	8.13	62	544177	56.587	ug/l	99
43) Isopropyl Acetate	8.16	43	717916	60.951	ug/l	99
44) Trichloroethene	8.84	130	486209	51.639	ug/l	97
45) 1,2-Dichloropropane	9.12	63	487301	57.471	ug/l	99
46) Dibromomethane	9.21	93	282669	57.227	ug/l	98
47) Bromodichloromethane	9.40	83	597063	56.866	ug/l	99
48) Methyl methacrylate	9.20	41	360844	60.866	ug/l	99
49) 1,4-Dioxane	9.20	88	89176	1189.135	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1949039	329.422	ug/l	100
52) Toluene	10.16	92	1099799	54.507	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	605129	54.809	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	694942	54.837	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	417650	59.333	ug/l	99
56) Ethyl methacrylate	10.43	69	564965	60.638	ug/l	96
57) 1,3-Dichloropropane	10.71	76	706870	58.560	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1468946	287.185	ug/l	99
59) 2-Hexanone	10.75	43	1304162	325.794	ug/l	98
60) Dibromochloromethane	10.90	129	460735	57.181	ug/l	99
61) 1,2-Dibromoethane	11.00	107	407800	57.043	ug/l	99
64) Tetrachloroethene	10.63	164	530910	47.693	ug/l	98
65) Chlorobenzene	11.43	112	1236562	54.282	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	450326	56.846	ug/l	100
67) Ethyl Benzene	11.51	91	2121425	54.151	ug/l	100
68) m/p-Xylenes	11.62	106	1606226	107.850	ug/l	99
69) o-Xylene	11.95	106	793425	55.518	ug/l	99
70) Styrene	11.96	104	1320906	56.683	ug/l	100
71) Bromoform	12.13	173	318641	55.679	ug/l	99
73) Isopropylbenzene	12.25	105	2098560	54.081	ug/l	100
74) N-amyl acetate	12.07	43	619793	57.530	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	471653	61.956	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	412978m	49.465	ug/l	
77) Bromobenzene	12.53	156	552540	54.778	ug/l	98
78) n-propylbenzene	12.59	91	2358254	53.361	ug/l	99
79) 2-Chlorotoluene	12.67	91	1419274	51.810	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1679859	53.112	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	141686	54.698	ug/l	98
82) 4-Chlorotoluene	12.77	91	1446163	53.929	ug/l	100
83) tert-Butylbenzene	12.99	119	1492926	53.371	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1718273	54.041	ug/l	100
85) sec-Butylbenzene	13.17	105	1968712	52.033	ug/l	100
86) p-Isopropyltoluene	13.29	119	1711505	52.350	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	947040	53.048	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	929383	51.407	ug/l	100
89) n-Butylbenzene	13.62	91	1387177	49.319	ug/l	100
90) Hexachloroethane	13.87	117	263933	52.607	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	890467	52.998	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	47560	36.132	ug/l	98

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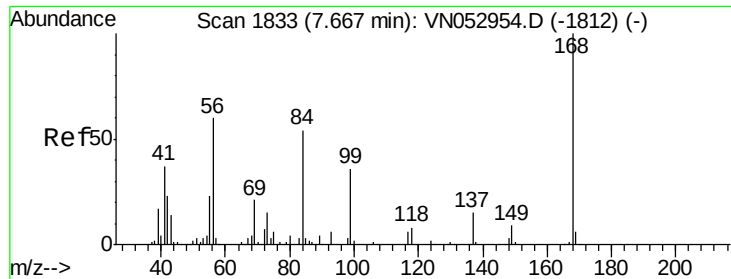
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	175369	20.062	ug/l	99
94) Hexachlorobutadiene	15.01	225	182684	39.004	ug/l	99
95) Naphthalene	15.13	128	291039	15.730	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	100375	12.902	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 739036

Ion Ratio Lower Upper

168 100

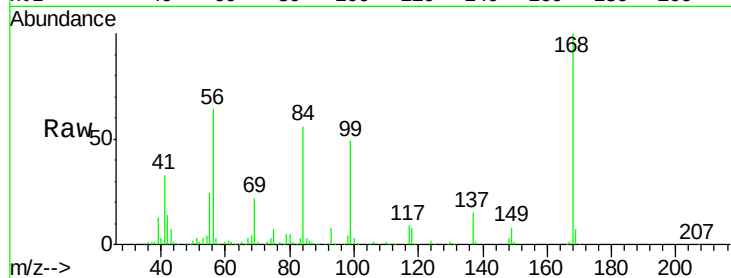
99 48.9 40.2 60.2

Manual Integrations

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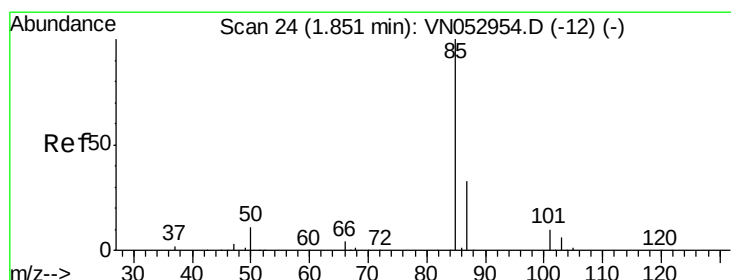
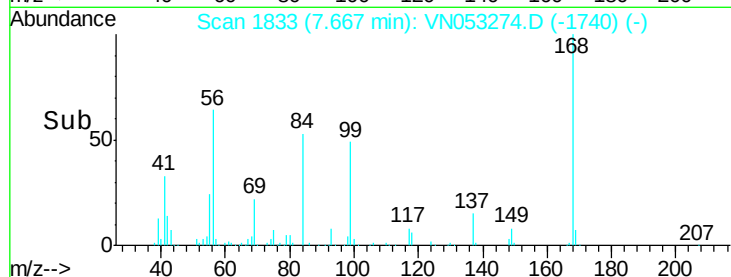
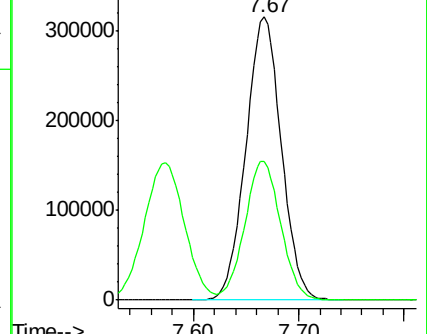
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 45.572 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053274.D

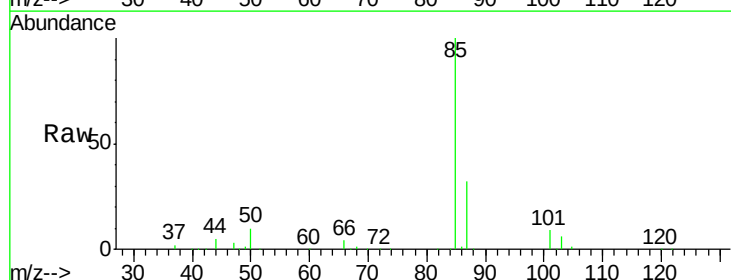
Acq: 3 Jan 2019 20:31

Tgt Ion: 85 Resp: 340862

Ion Ratio Lower Upper

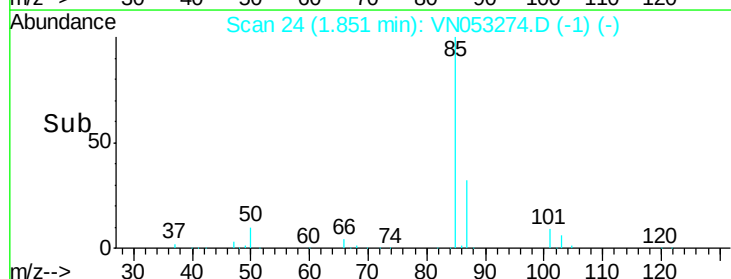
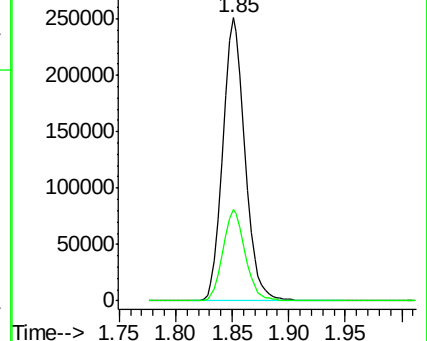
85 100

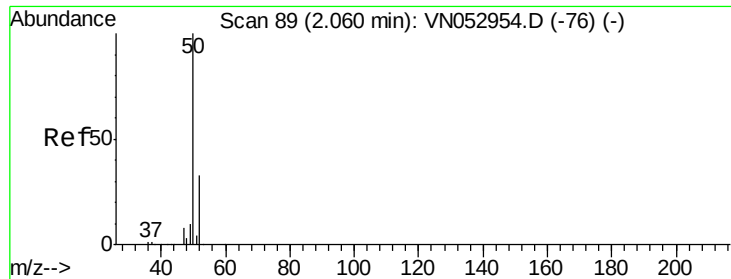
87 32.2 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 48.067 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 435663

Ion Ratio Lower Upper

50 100

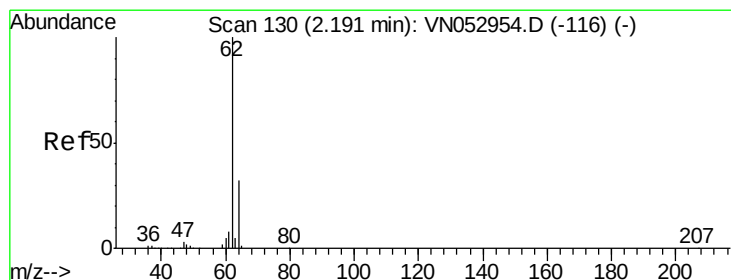
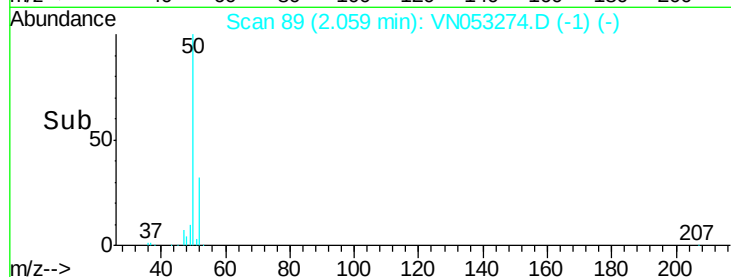
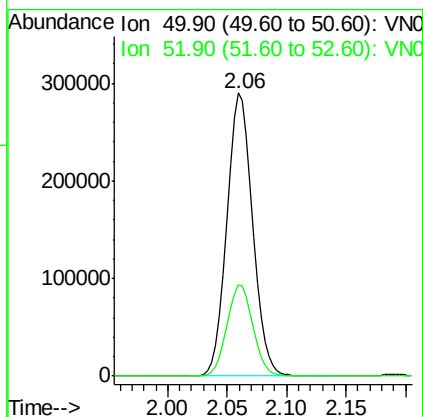
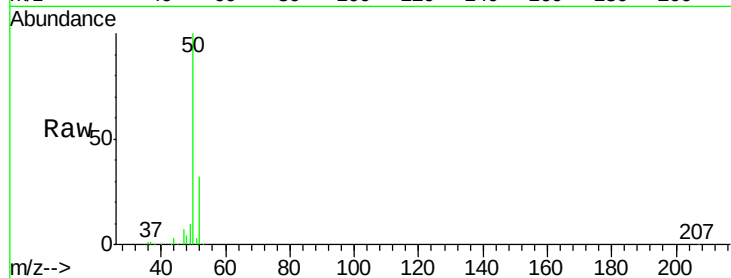
52 32.3 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.203 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053274.D

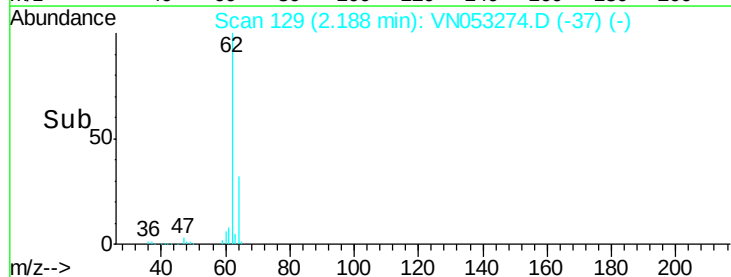
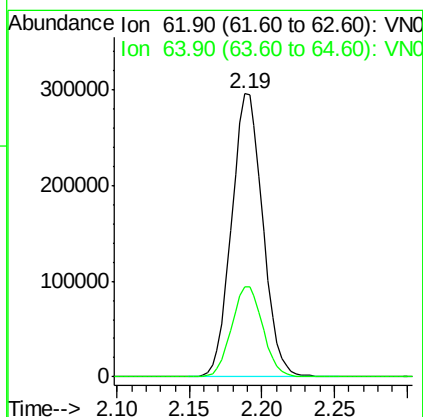
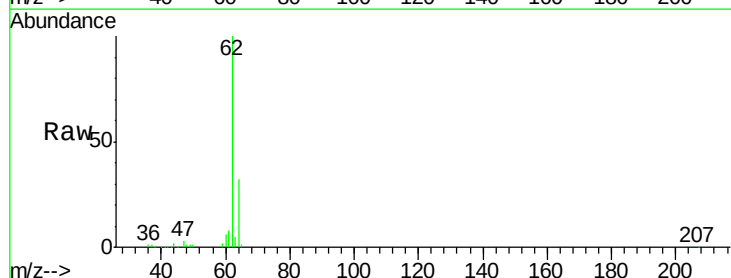
Acq: 3 Jan 2019 20:31

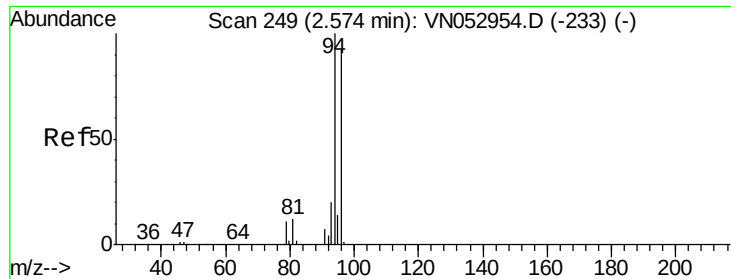
Tgt Ion: 62 Resp: 442476

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3





#5

Bromomethane

Concen: 49.407 ug/l

RT: 2.56 min Scan# 246

Delta R.T. -0.01 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 314222

Ion Ratio Lower Upper

94 100

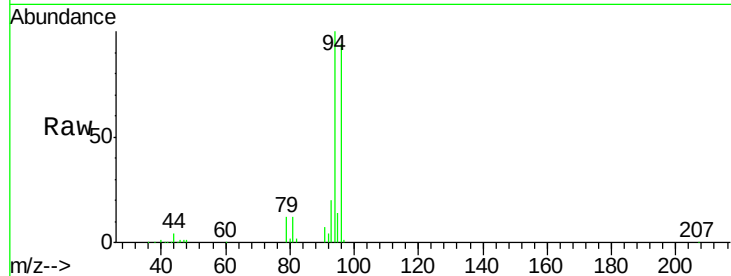
96 93.6 75.0 112.4

Manual Integrations

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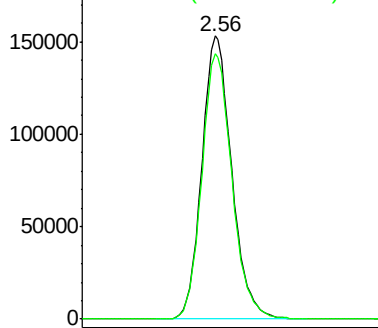
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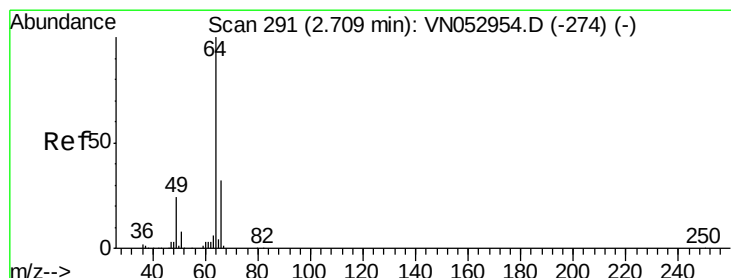
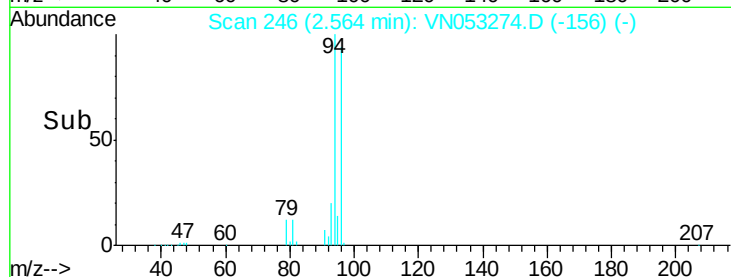


Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



Time-->



#6

Chloroethane

Concen: 49.485 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN053274.D

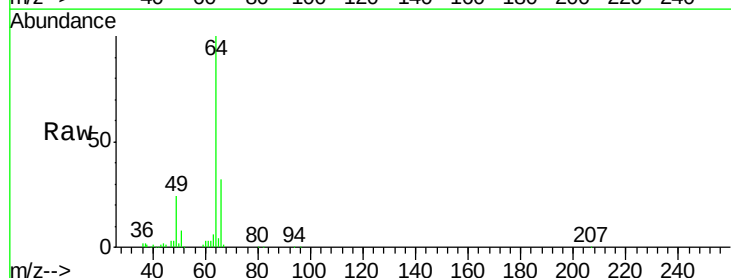
Acq: 3 Jan 2019 20:31

Tgt Ion: 64 Resp: 269028

Ion Ratio Lower Upper

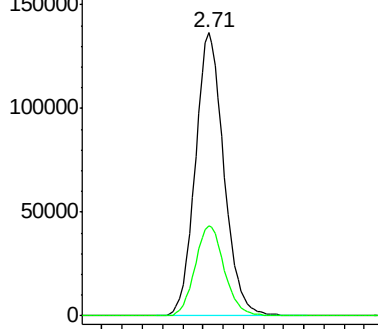
64 100

66 31.8 26.2 39.2

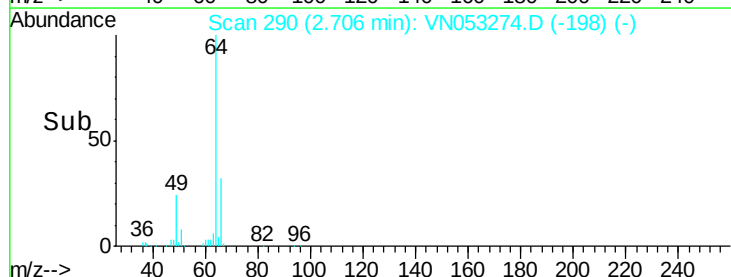


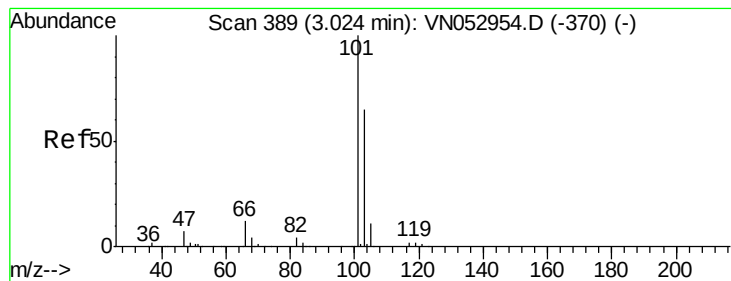
Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



Time-->





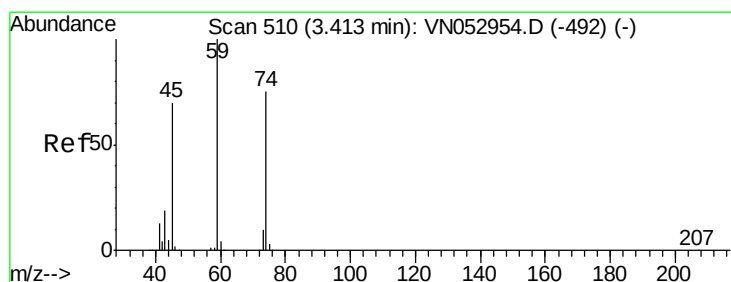
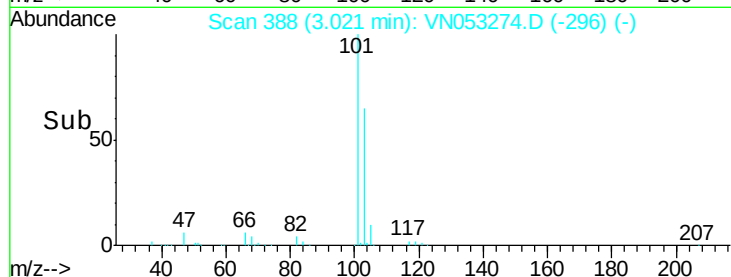
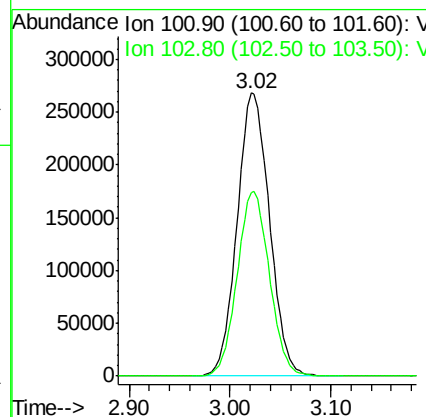
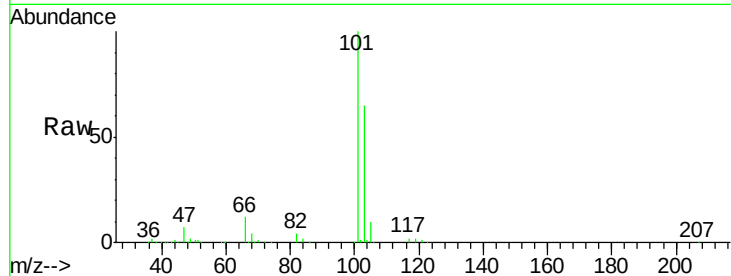
#7
 Trichlorofluoromethane
 Concen: 52.396 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN053274.D
 Acq: 3 Jan 2019 20:31

Instrument :
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 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		599165		
103	64.9	51.8	77.6		

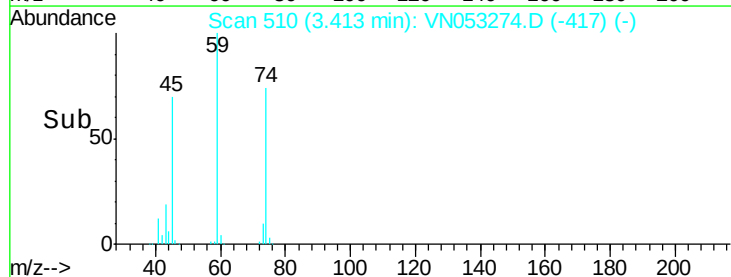
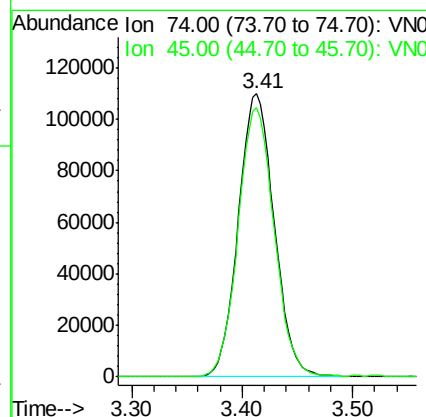
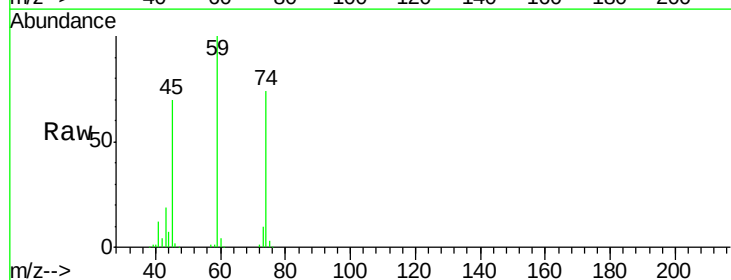
Manual Integrations
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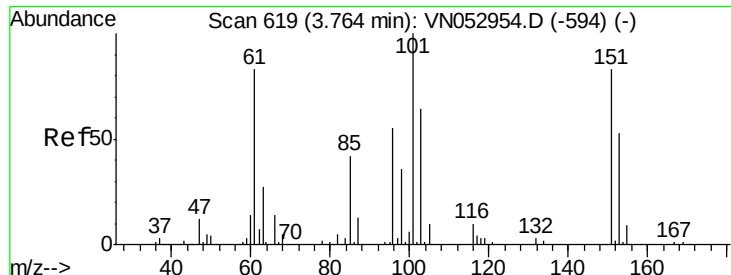
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#8
 Diethyl Ether
 Concen: 57.413 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN053274.D
 Acq: 3 Jan 2019 20:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		247682		
45	95.1	49.4	148.0		





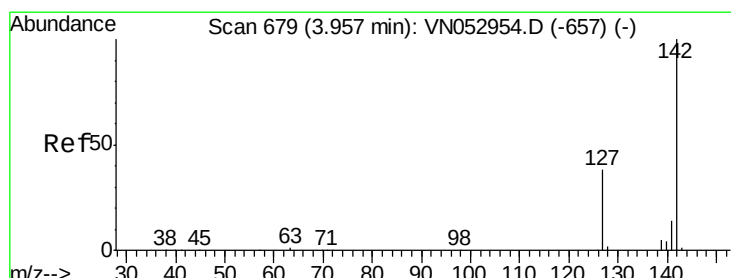
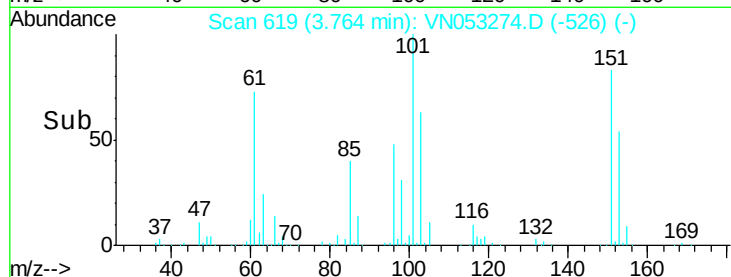
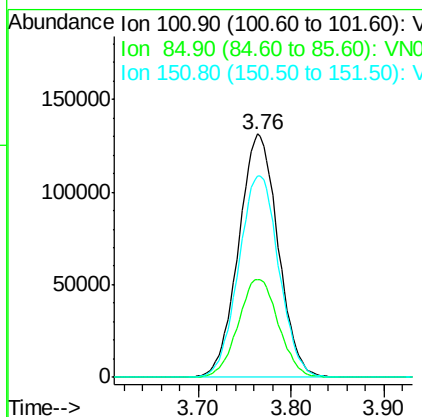
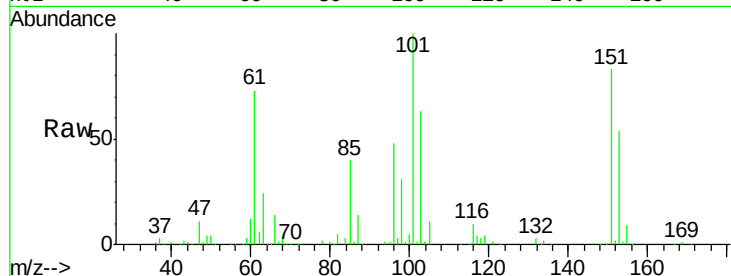
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 53.117 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. -0.00 min
 Lab File: VN053274.D
 Acq: 3 Jan 2019 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	387275		
85	41.4		33.6	50.4
151	84.8		65.5	98.3

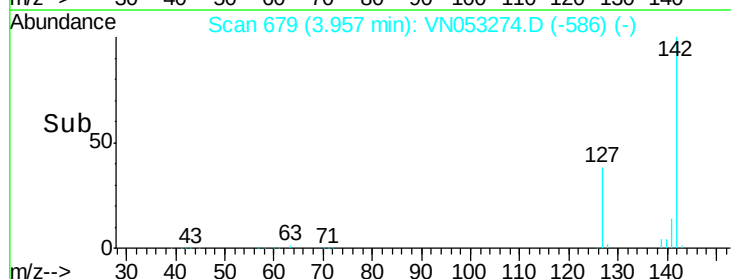
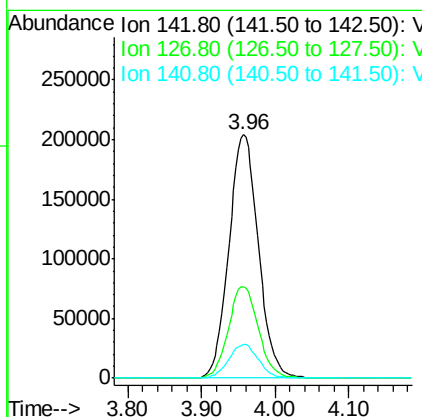
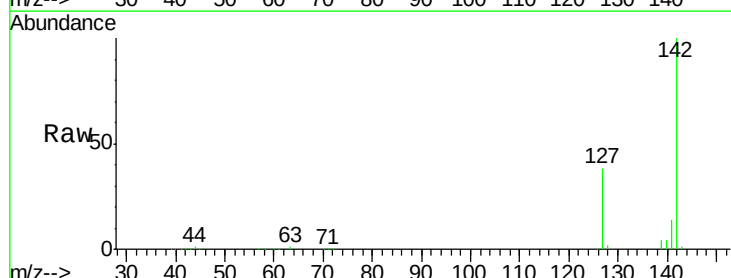
Manual Integrations
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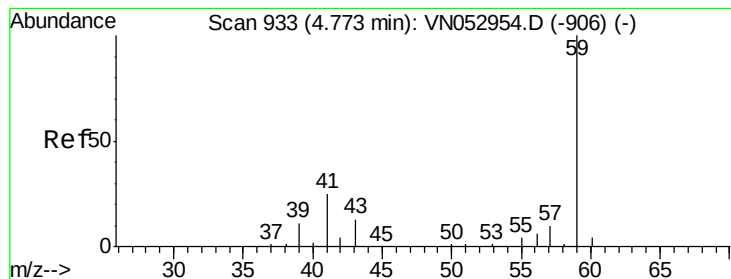
MMDadoda
 1/4/2019 12:39:06 PM



#10
 Methyl Iodide
 Concen: 55.505 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. -0.00 min
 Lab File: VN053274.D
 Acq: 3 Jan 2019 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	568320		
127	38.5		31.0	46.6
141	13.9		11.2	16.8





#11

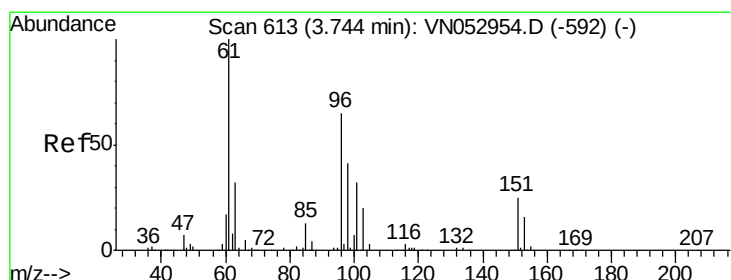
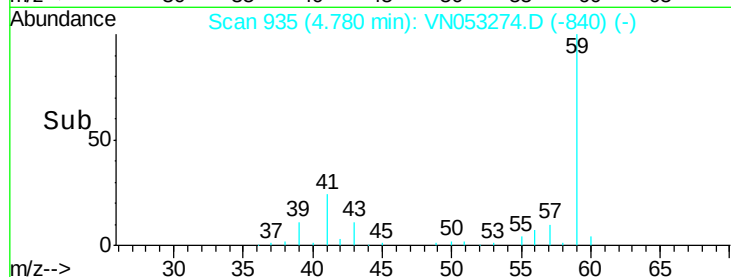
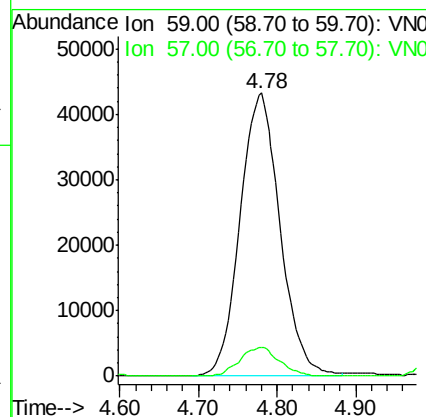
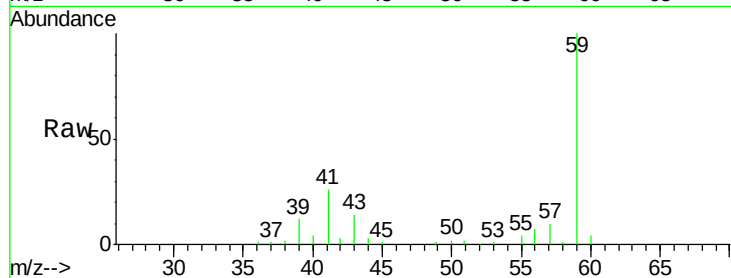
Tert butyl alcohol
 Concen: 337.082 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.01 min
 Lab File: VN053274.D
 Acq: 3 Jan 2019 20:31

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion	59	57	Ratio	100	10.1	Resp	154252	Lower	Upper
59	100								
57		10.1						7.7	11.5

Manual Integrations
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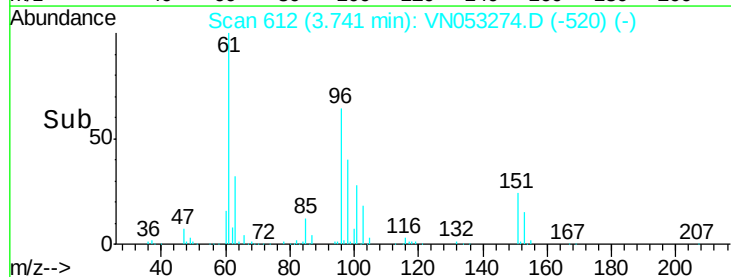
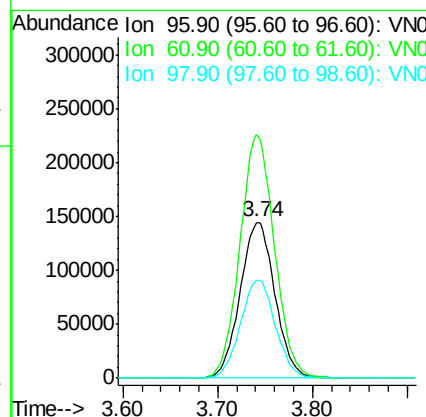
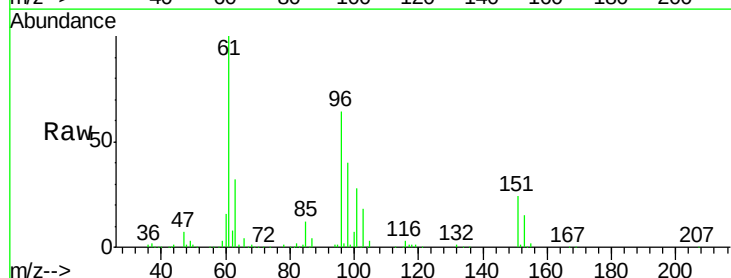
MMDadoda
 1/4/2019 12:39:06 PM

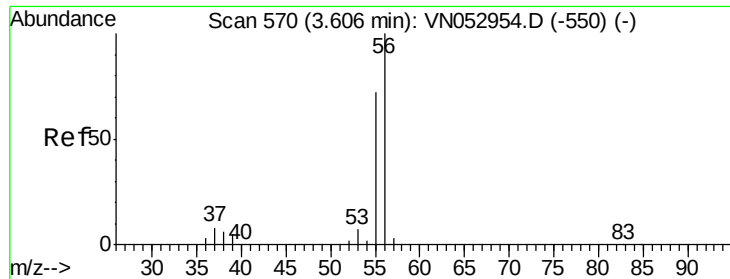


#12

1,1-Dichloroethene
 Concen: 52.471 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN053274.D
 Acq: 3 Jan 2019 20:31

Tgt Ion	96	61	98	Ratio	100	156.5	63.0	Resp	369606	Lower	Upper
96	100										
61		156.5								125.6	188.4
98		63.0								50.6	75.8





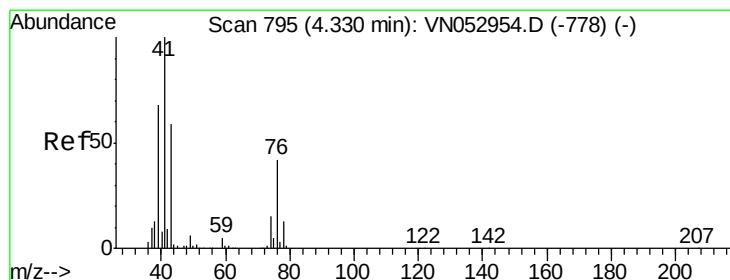
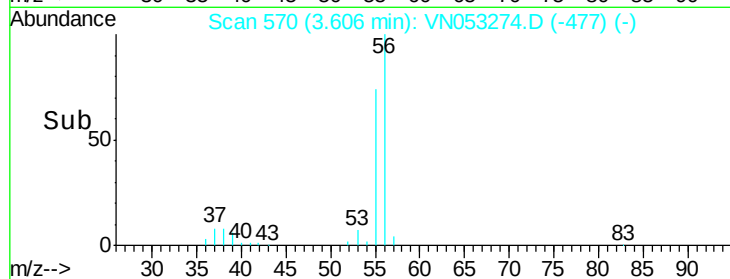
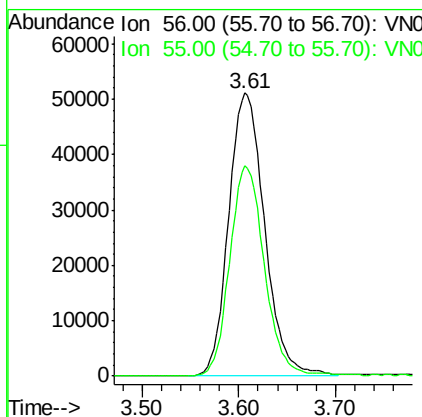
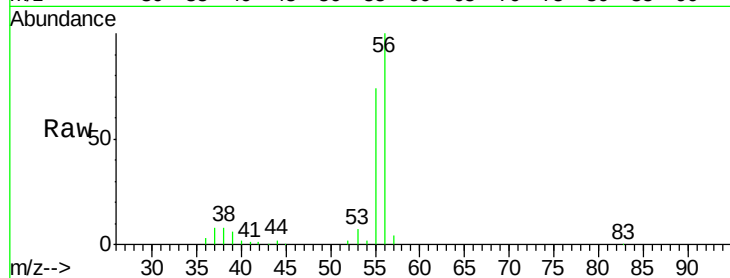
#13
Acrolein
Concen: 318.907 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	71.0	56.6	85.0	

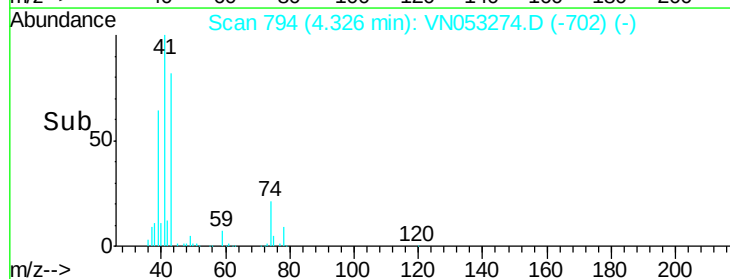
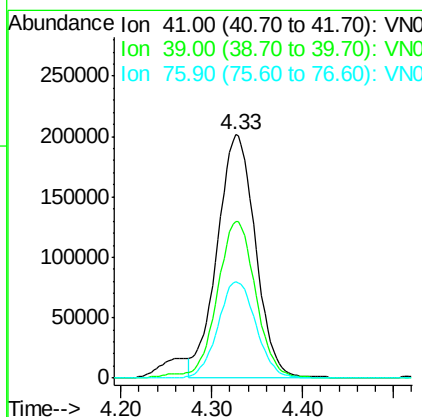
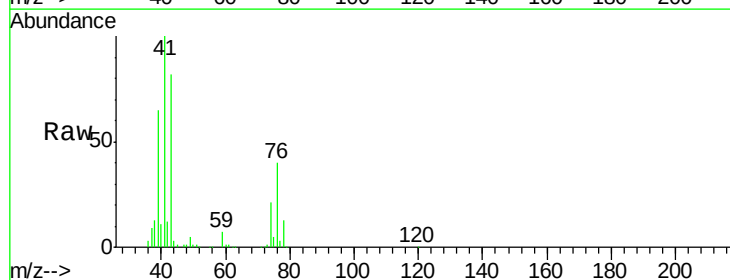
Manual Integrations
APPROVED

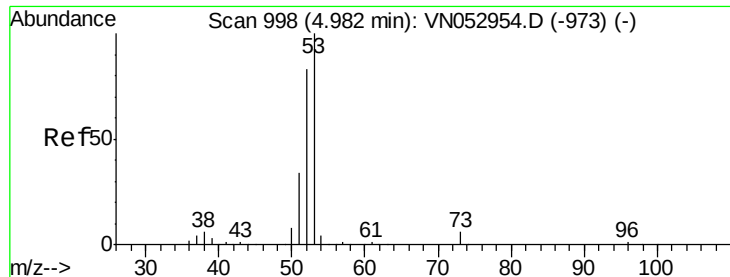
MMDadoda
1/4/2019 12:39:06 PM



#14
Allyl chloride
Concen: 53.696 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	63.8	54.1	81.1	
76	39.3	30.3	45.5	





#15

Acrylonitrile

Concen: 318.970 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

MSVOA_N

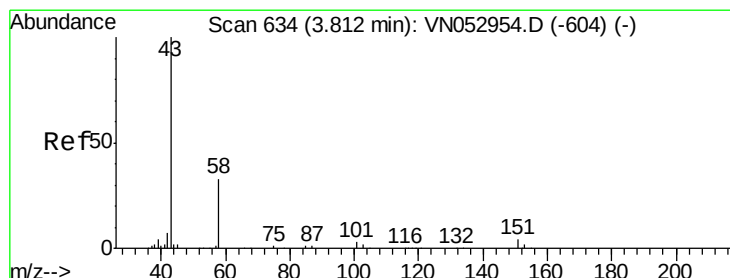
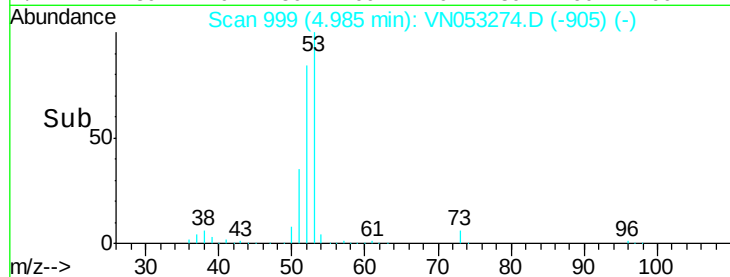
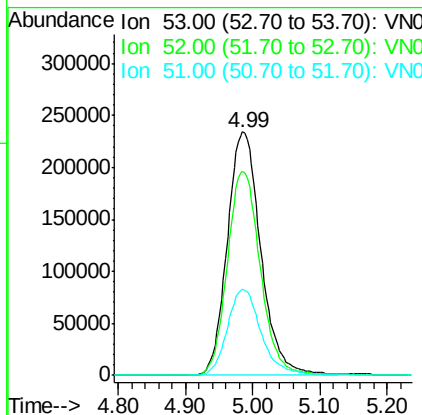
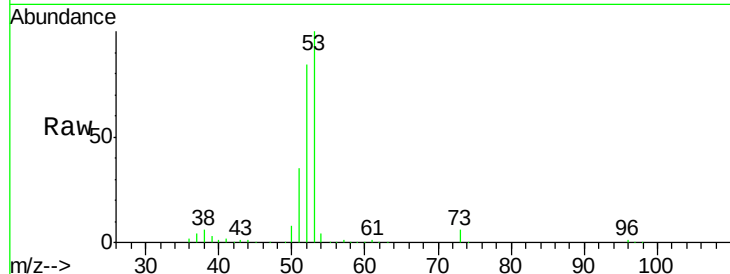
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	810900
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.1	97.7
51	35.8	28.1	42.1

Manual Integrations
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1/4/2019 12:39:06 PM



#16

Acetone

Concen: 350.458 ug/l

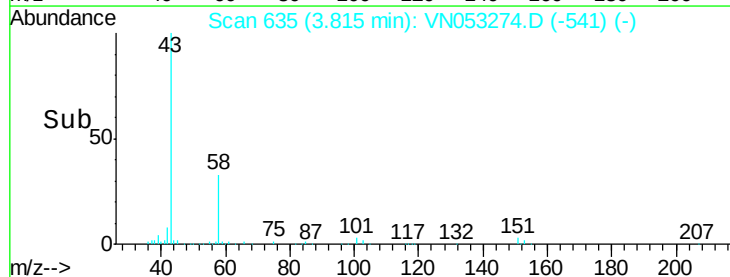
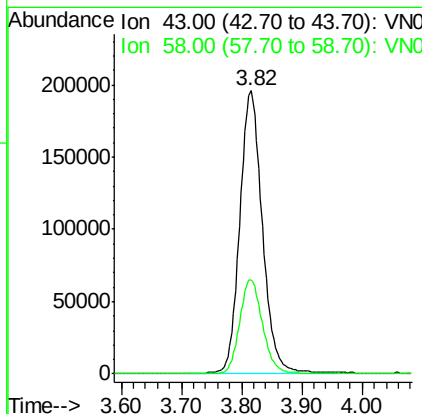
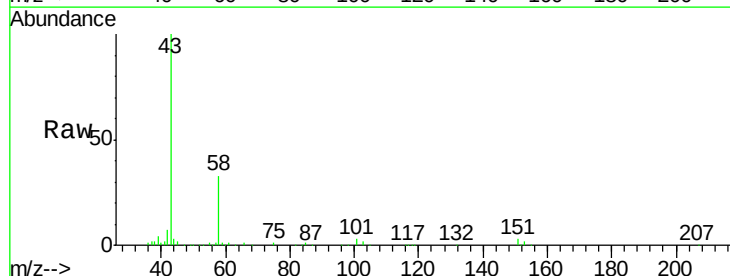
RT: 3.82 min Scan# 635

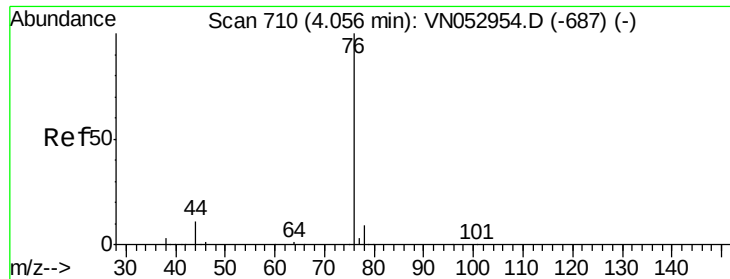
Delta R.T. 0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Tgt Ion:	43	Resp:	515341
Ion	Ratio	Lower	Upper
43	100		
58	33.2	25.4	38.0





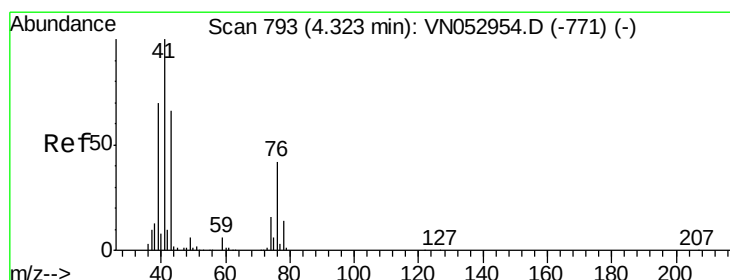
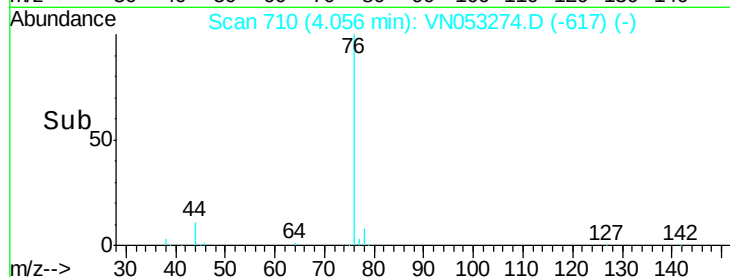
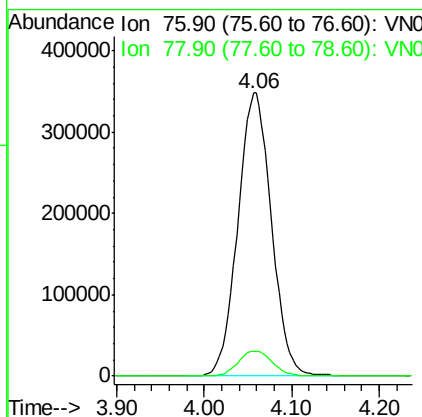
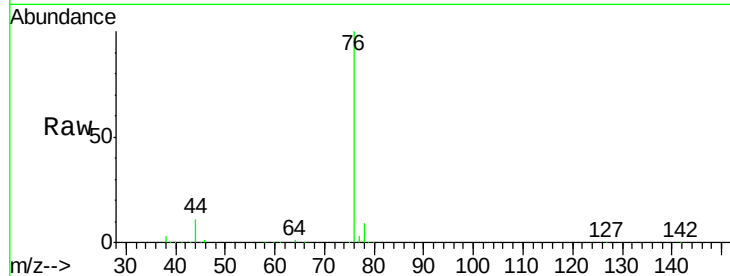
#17
Carbon Disulfide
Concen: 40.308 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.1	10.7

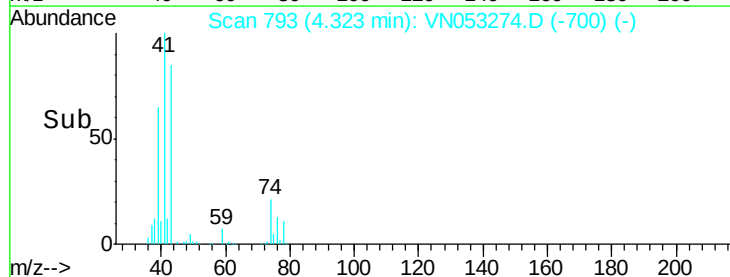
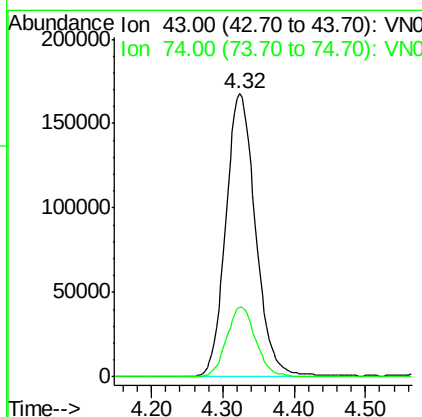
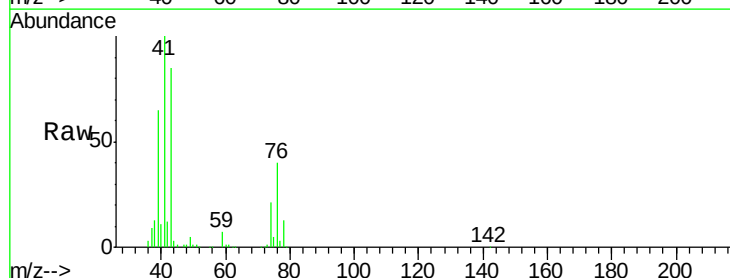
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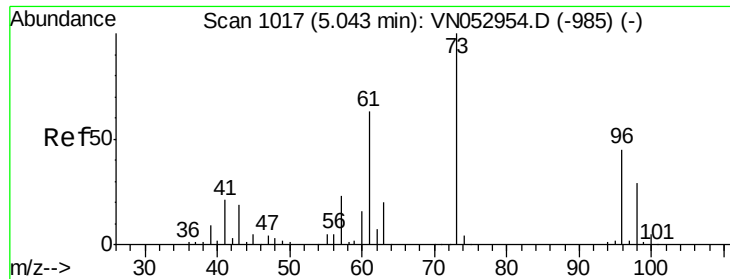
MMDadoda
1/4/2019 12:39:06 PM



#18
Methyl Acetate
Concen: 72.298 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.2	28.8





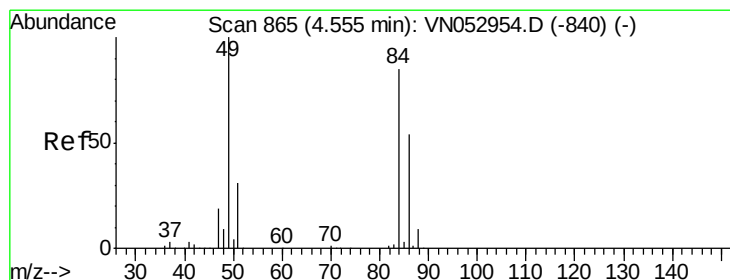
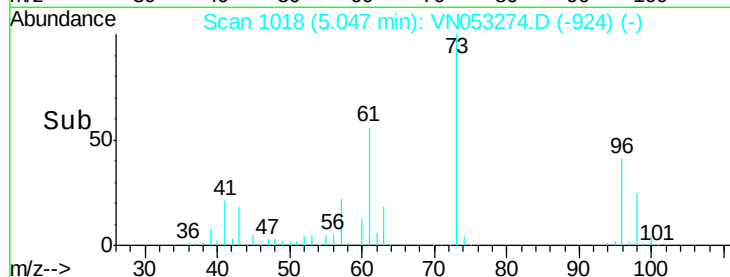
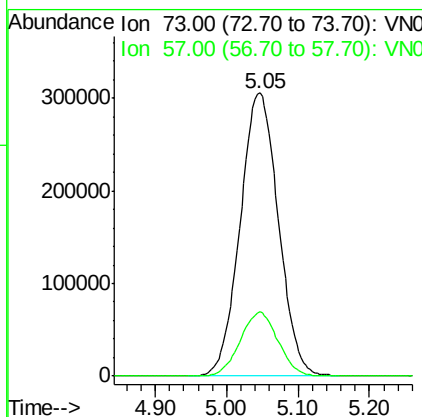
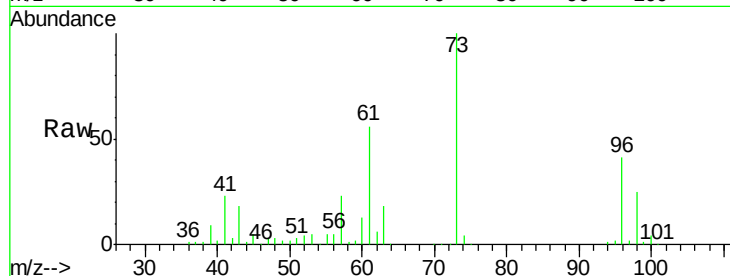
#19
Methyl tert-butyl Ether
Concen: 60.391 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 1138387
Ion Ratio Lower Upper
73 100
57 22.6 18.4 27.6

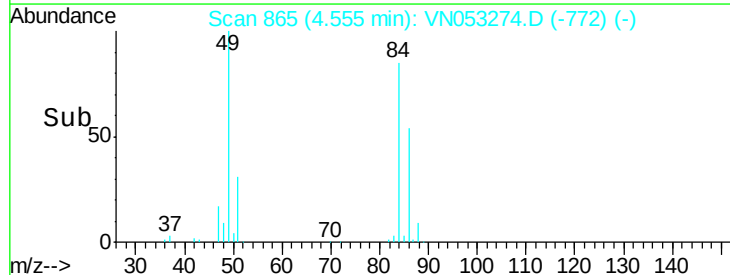
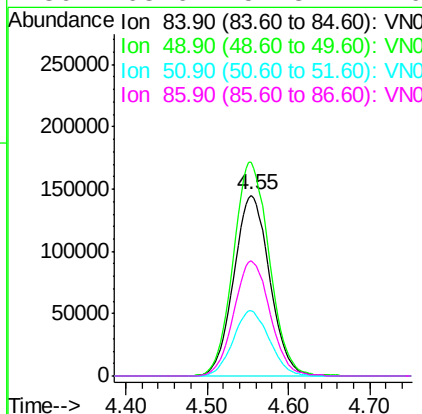
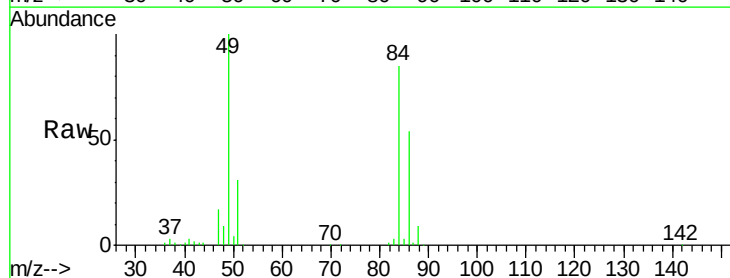
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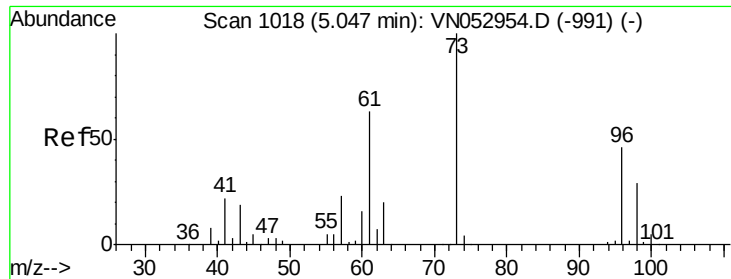
MMDadoda
1/4/2019 12:39:06 PM



#20
Methylene Chloride
Concen: 55.176 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Tgt Ion: 84 Resp: 442583
Ion Ratio Lower Upper
84 100
49 117.8 96.8 145.2
51 36.4 29.9 44.9
86 63.6 51.8 77.6





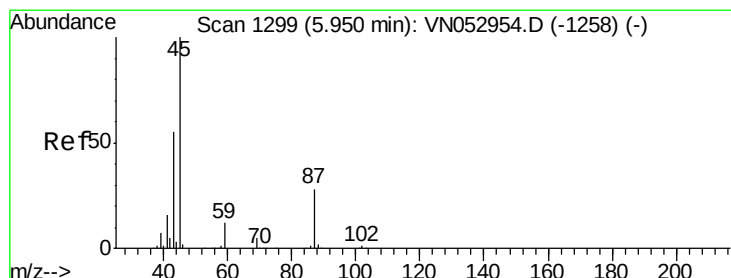
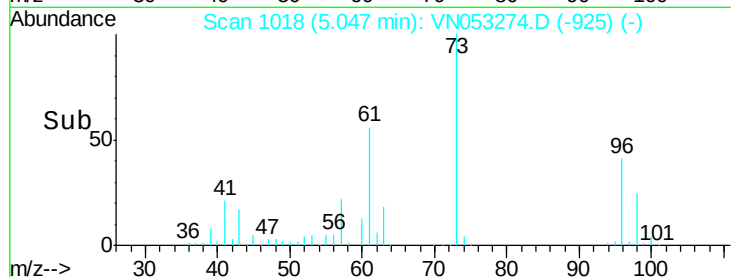
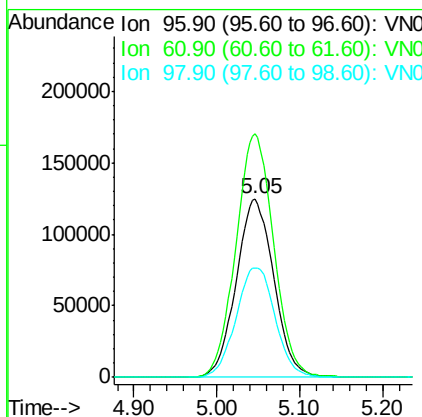
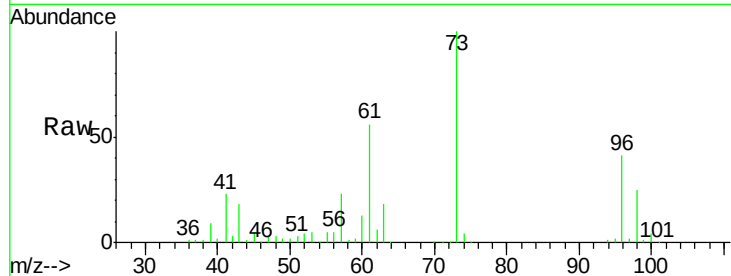
#21
trans-1,2-Dichloroethene
Concen: 52.054 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.3	110.8	166.2
98	61.5	51.4	77.2

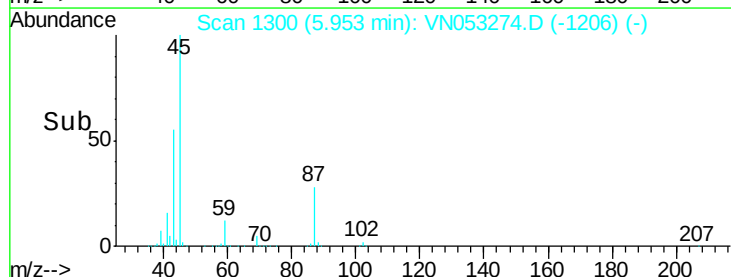
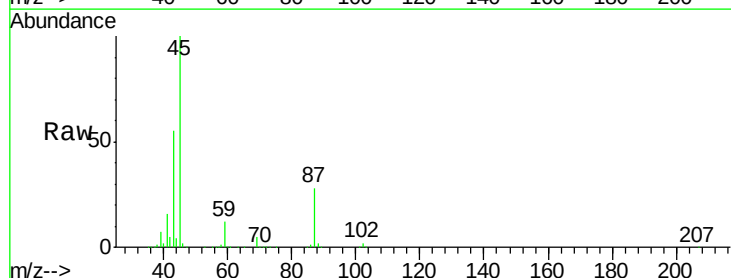
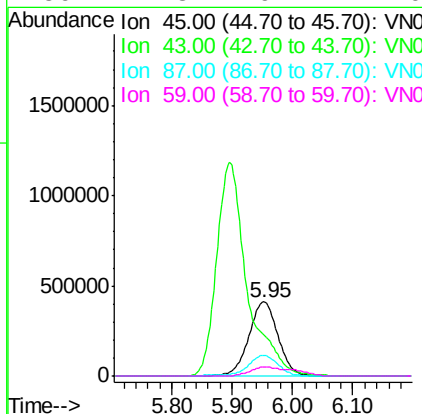
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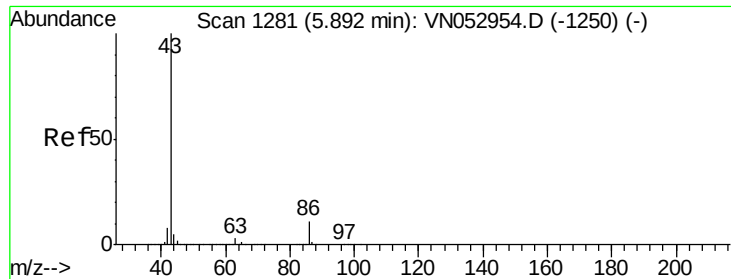
MMDadoda
1/4/2019 12:39:06 PM



#22
Diisopropyl ether
Concen: 59.694 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.9	45.5	68.3
87	28.1	22.0	33.0
59	12.3	9.4	14.0





#23

Vinyl Acetate

Concen: 308.702 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 4134177

Ion Ratio Lower Upper

43 100

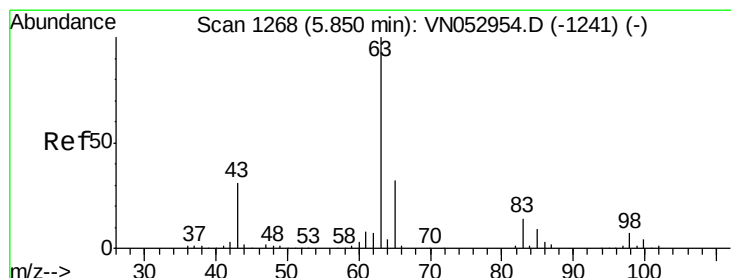
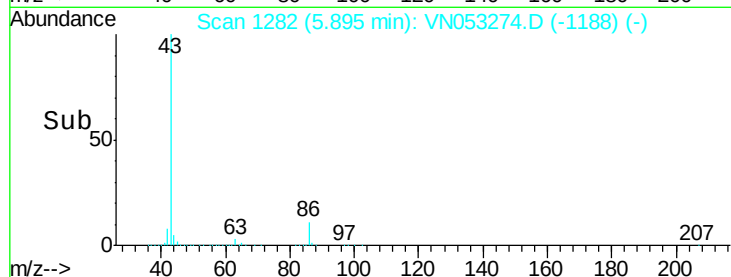
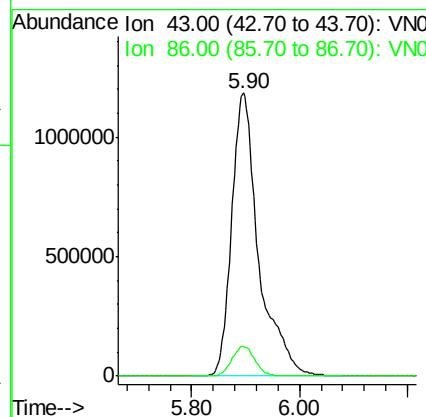
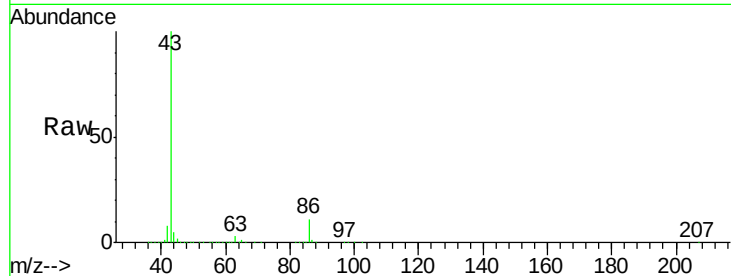
86 10.5 8.1 12.1

Manual Integrations

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1/4/2019 12:39:06 PM



#24

1,1-Dichloroethane

Concen: 56.955 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

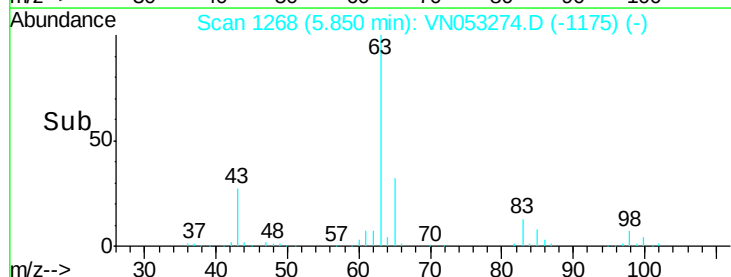
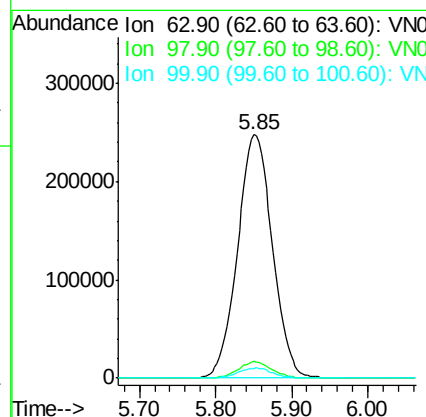
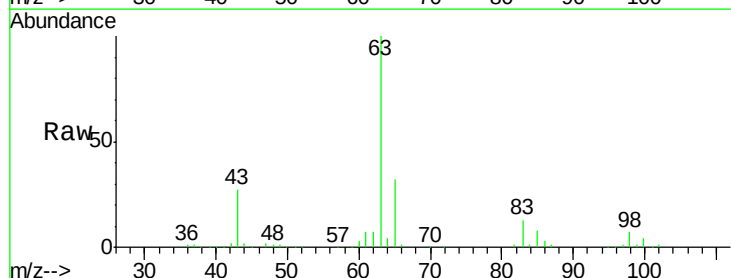
Tgt Ion: 63 Resp: 788217

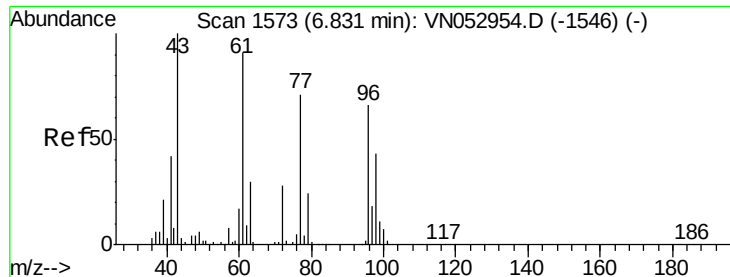
Ion Ratio Lower Upper

63 100

98 6.8 3.1 9.4

100 4.1 2.0 5.8





#25

2-Butanone

Concen: 348.638 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 860377

Ion Ratio Lower Upper

43 100

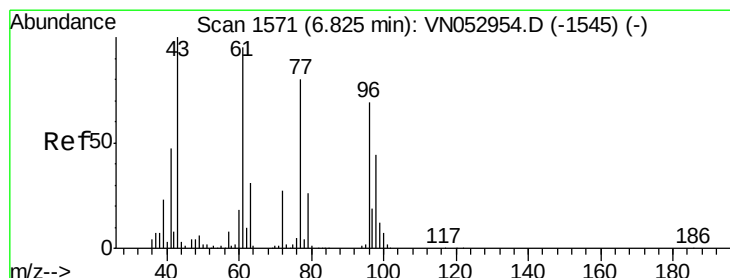
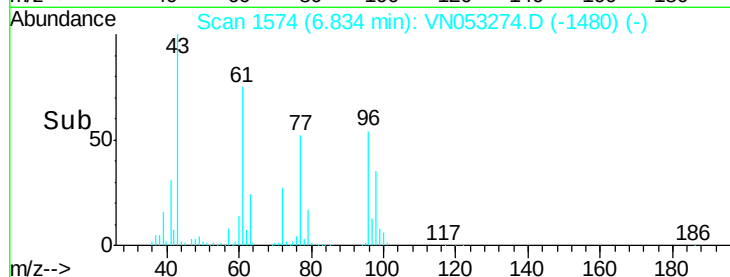
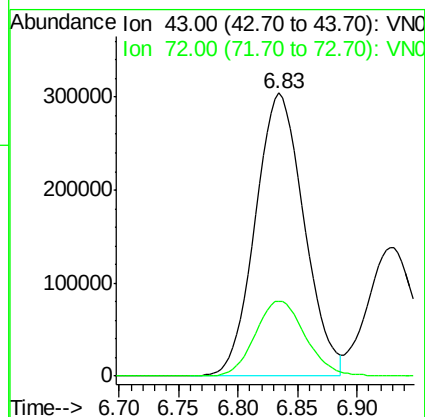
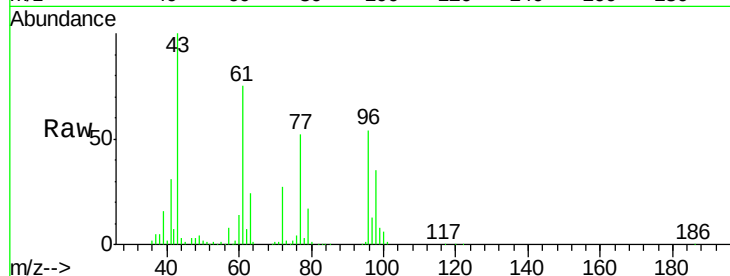
72 26.7 21.0 31.6

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 49.988 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053274.D

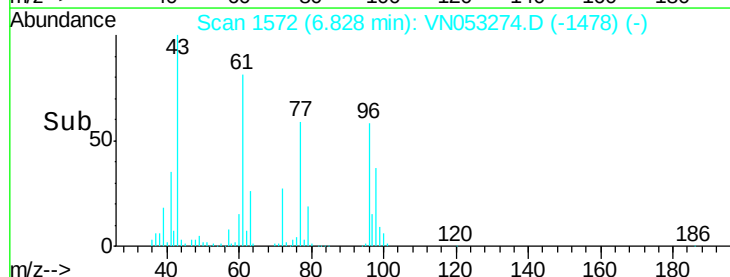
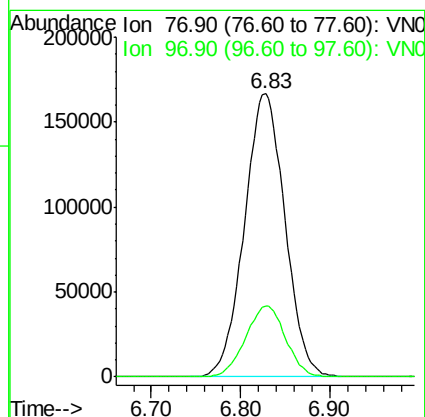
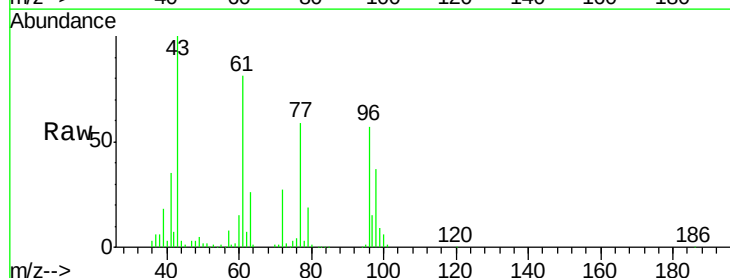
Acq: 3 Jan 2019 20:31

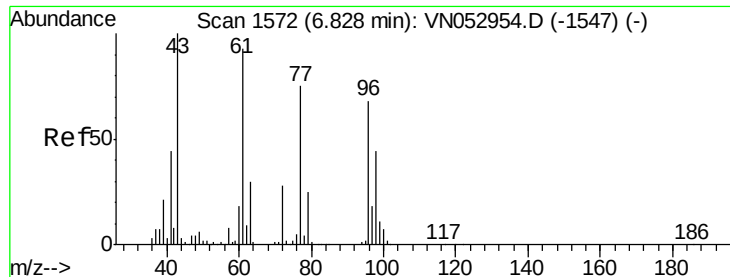
Tgt Ion: 77 Resp: 528096

Ion Ratio Lower Upper

77 100

97 24.7 11.9 35.9





#27

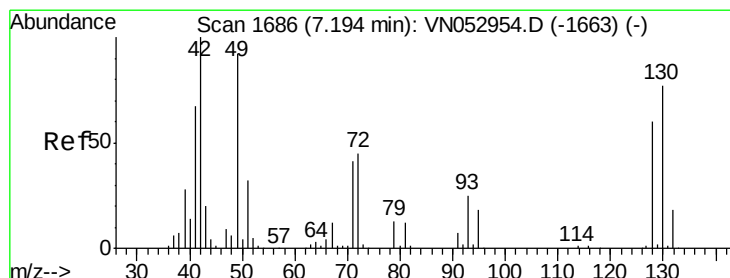
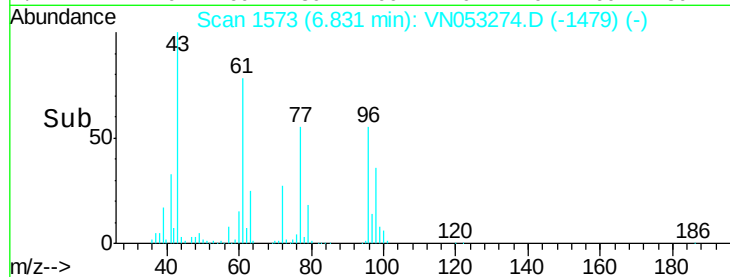
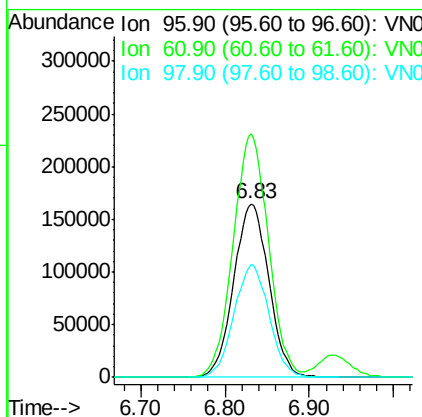
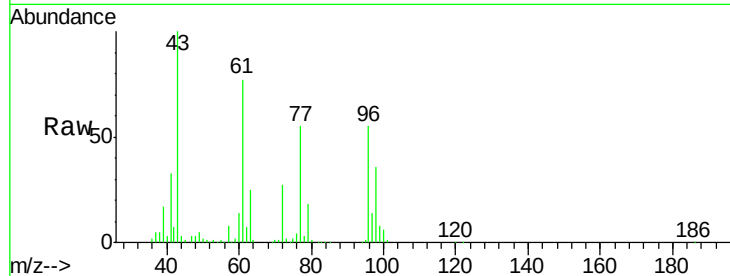
cis-1,2-Dichloroethene
Concen: 55.812 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.7	0.0	284.2
98	64.6	0.0	129.2

Manual Integrations
APPROVED

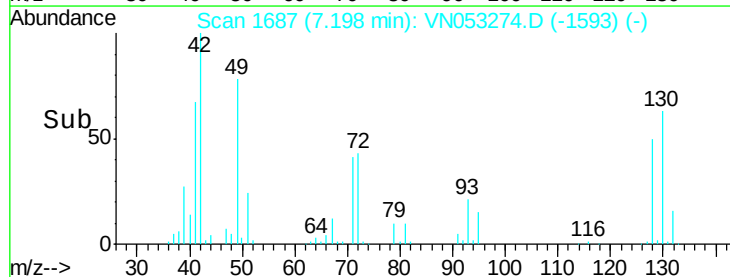
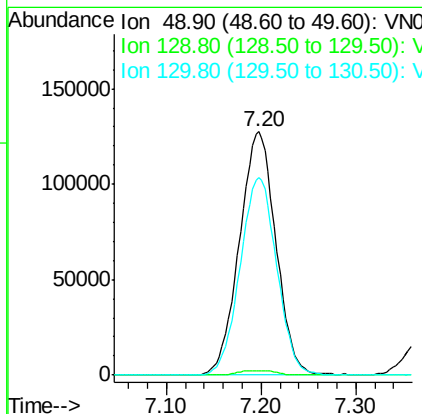
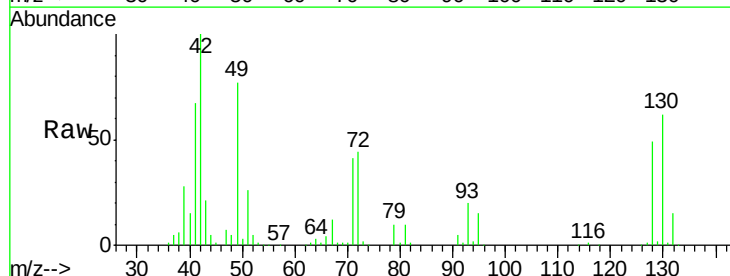
MMDadoda
1/4/2019 12:39:06 PM

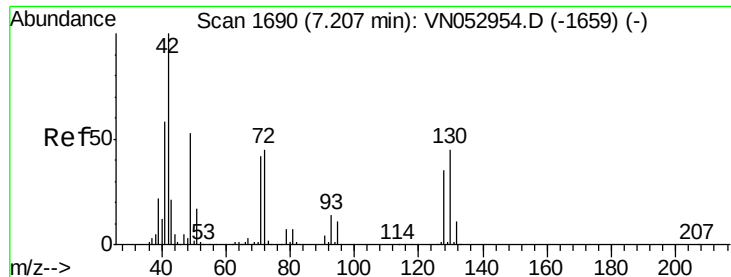


#28

Bromochloromethane
Concen: 56.899 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	81.6	63.3	94.9





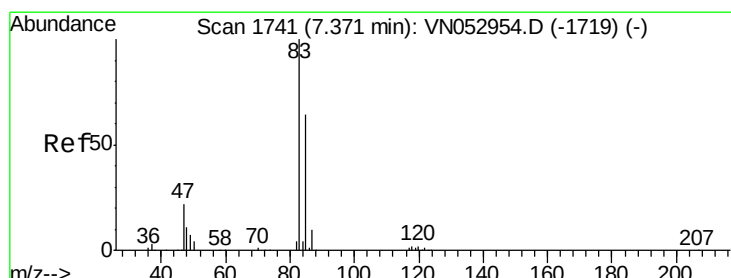
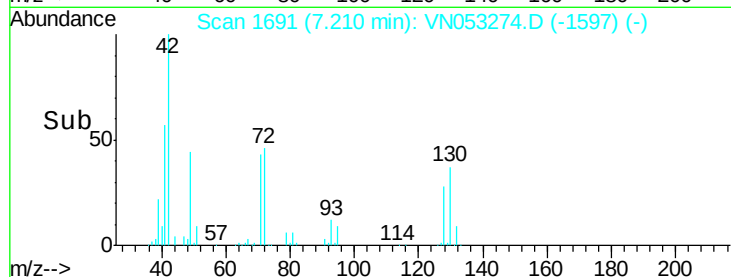
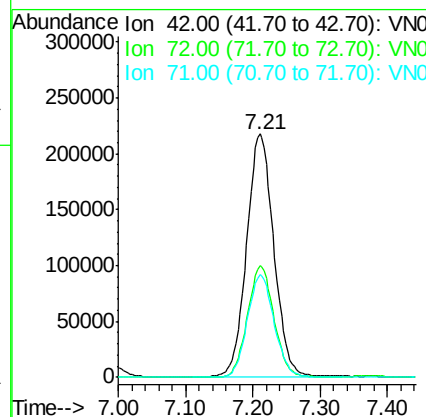
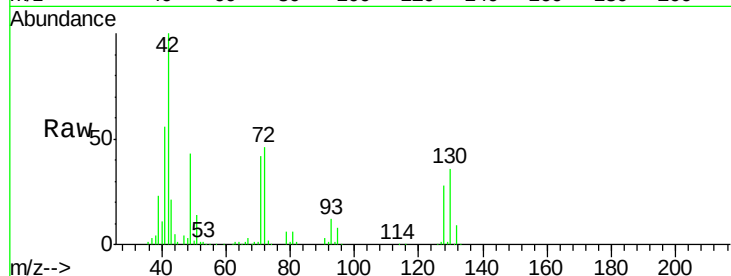
#29
Tetrahydrofuran
Concen: 330.953 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	34.7	52.1
71	41.7	32.3	48.5

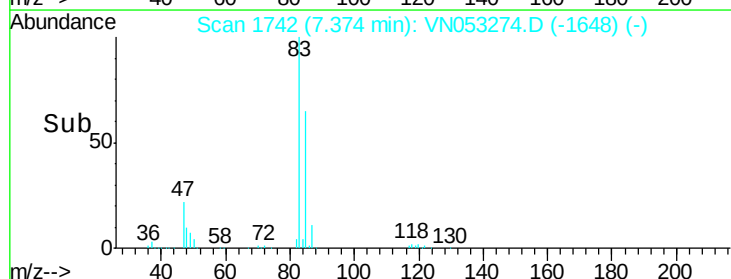
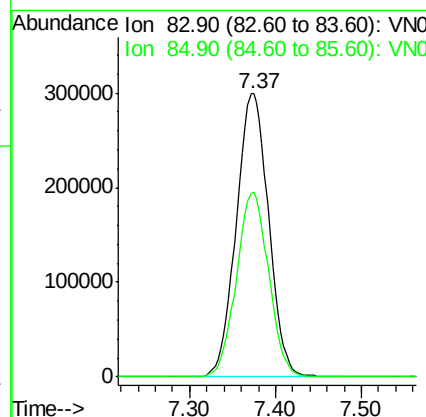
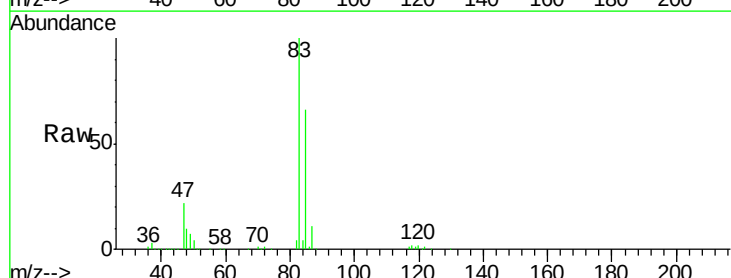
Manual Integrations
APPROVED

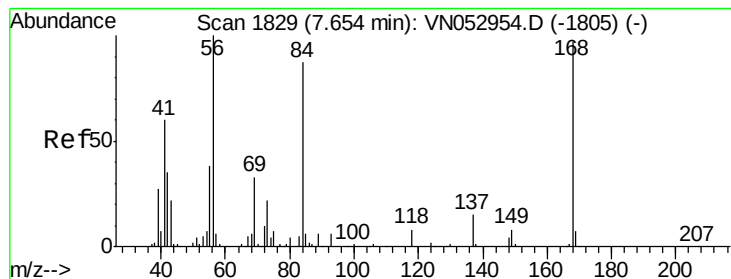
MMDadoda
1/4/2019 12:39:06 PM



#30
Chloroform
Concen: 57.535 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.1	78.1





#31

Cyclohexane

Concen: 50.965 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

MSVOA_N

ClientSampleID :

VSTDCCC050EC

Tot Ion: 56 Resp: 661245

Ion Ratio Lower Upper

56 100

69 32.5 26.6 39.8

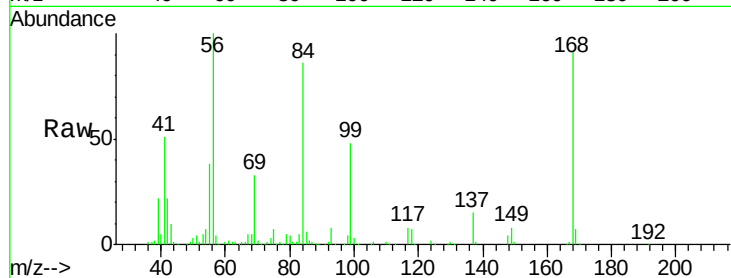
84 84.5 68.4 102.6

Manual Integrations

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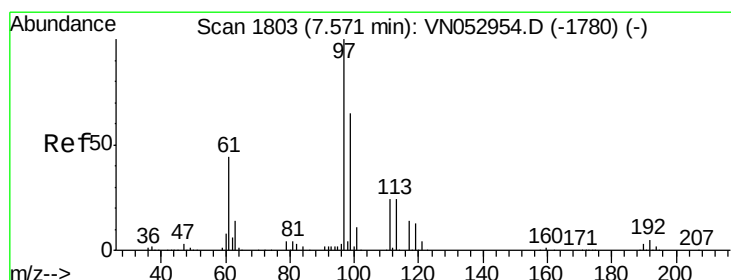
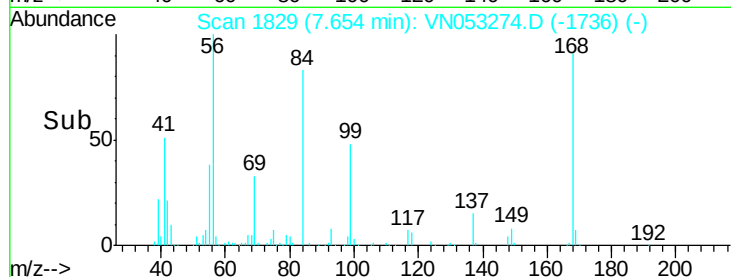
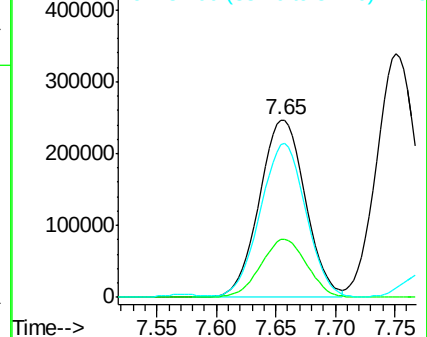
1/4/2019 12:39:06 PM



Abundance Ion 56.00 (55.70 to 56.70): VN053274.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN053274.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN053274.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 54.942 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

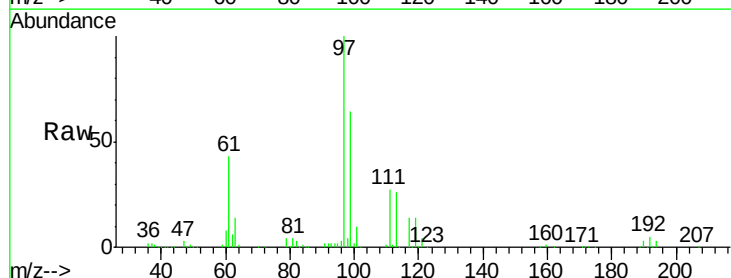
Tgt Ion: 97 Resp: 636298

Ion Ratio Lower Upper

97 100

99 64.7 51.1 76.7

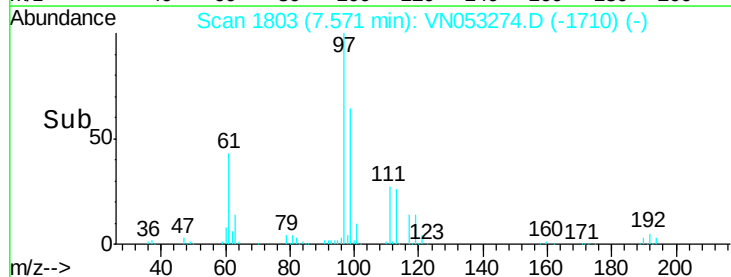
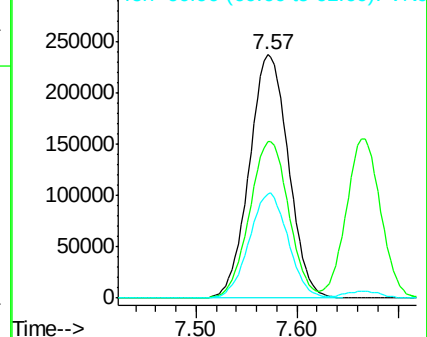
61 42.8 35.0 52.6

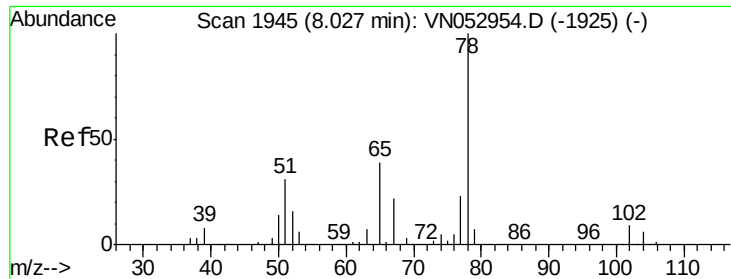


Abundance Ion 96.90 (96.60 to 97.60): VN053274.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN053274.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN053274.D (-1710) (-)





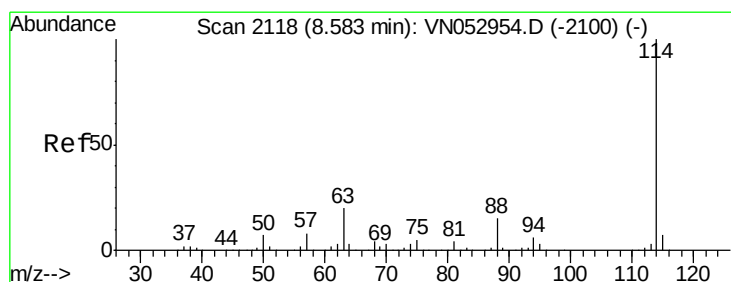
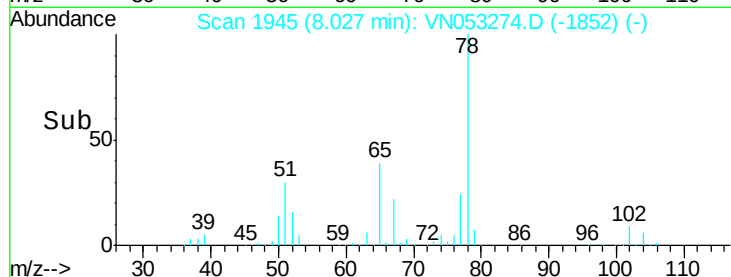
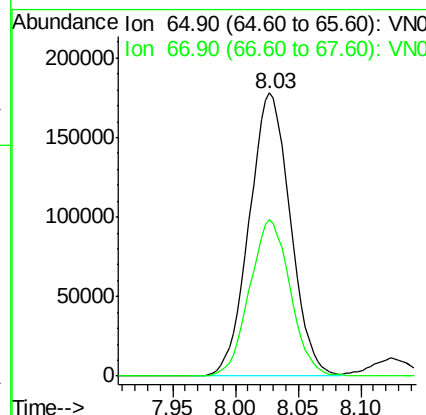
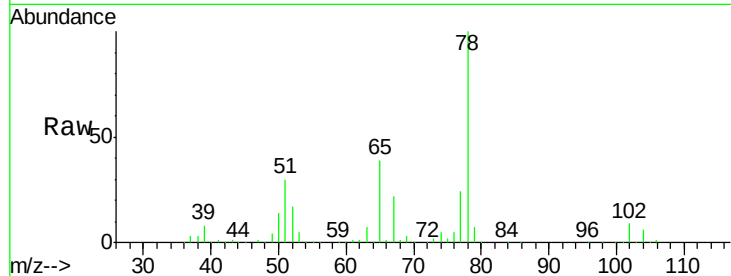
#33
 1,2-Dichloroethane-d4
 Concen: 54.942 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053274.D
 Acq: 3 Jan 2019 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.9	0.0	110.4	

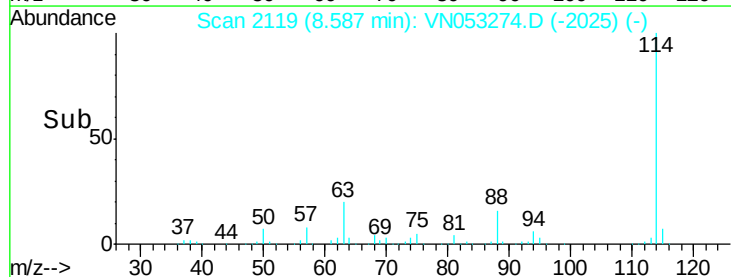
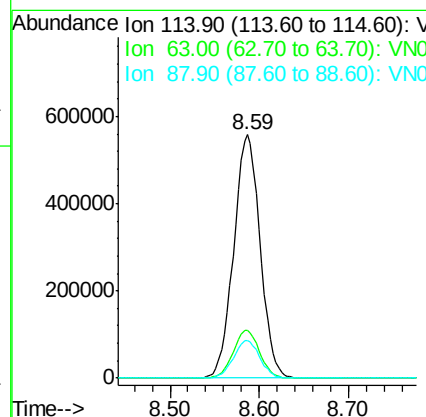
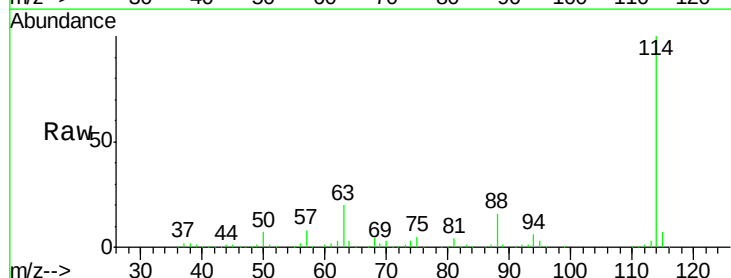
Manual Integrations
 APPROVED

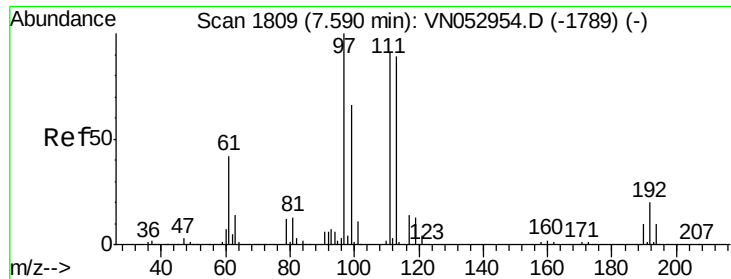
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053274.D
 Acq: 3 Jan 2019 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.5	0.0	39.8	
88	15.6	0.0	31.0	





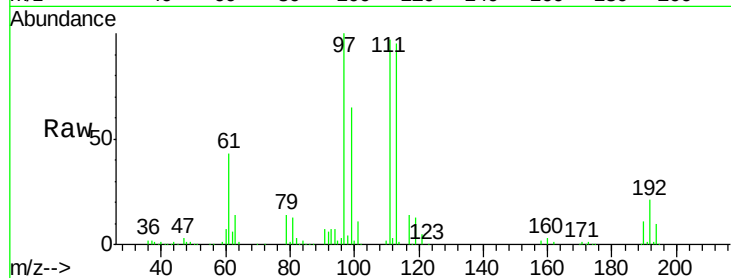
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

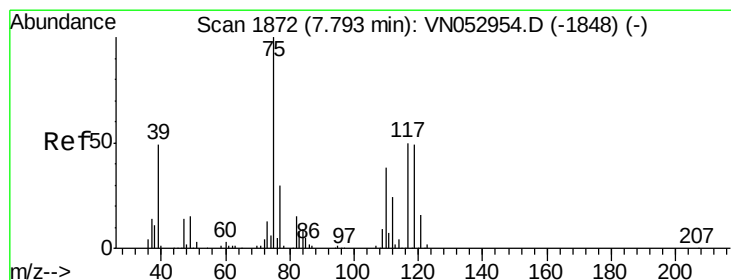
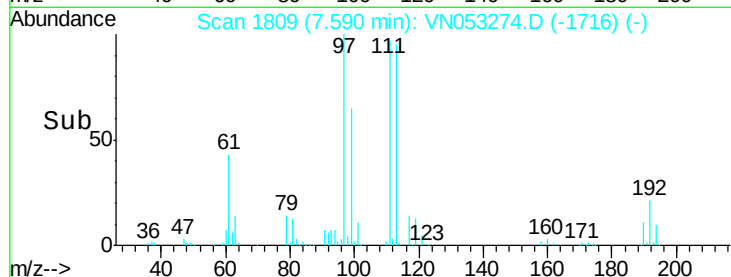
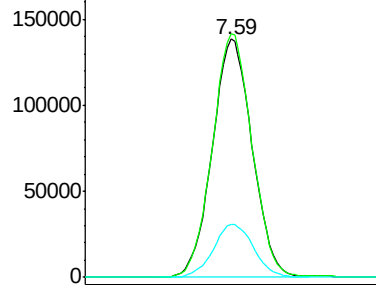
Tot Ion	Ratio	Resp	Lower	Upper
113	100	346583		
111	101.5	83.0	124.4	
192	22.4	17.5	26.3	

Manual Integrations
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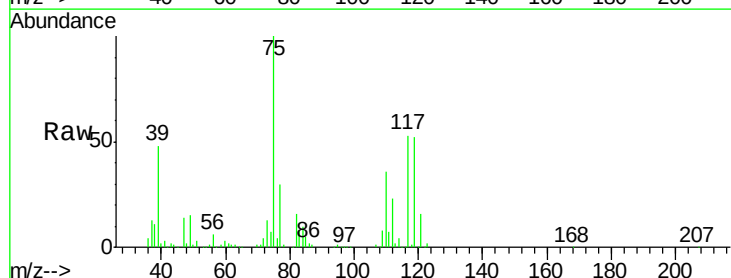


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

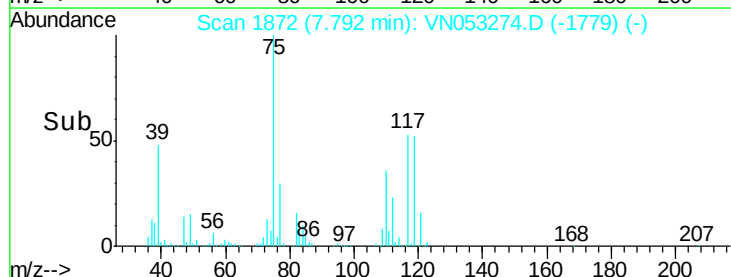
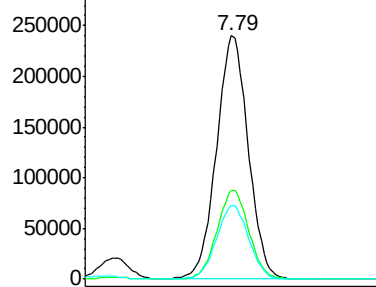


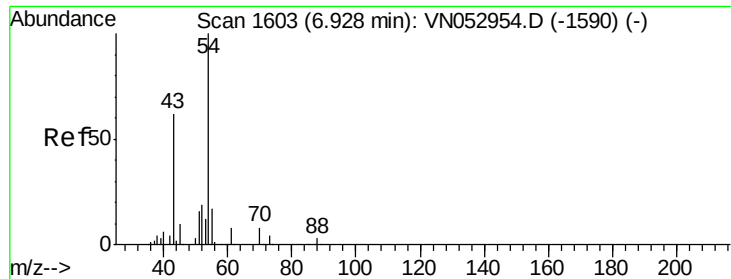
#36
1,1-Dichloropropene
Concen: 51.886 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	567841		
110	36.7	18.2	54.6	
77	31.1	24.9	37.3	



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





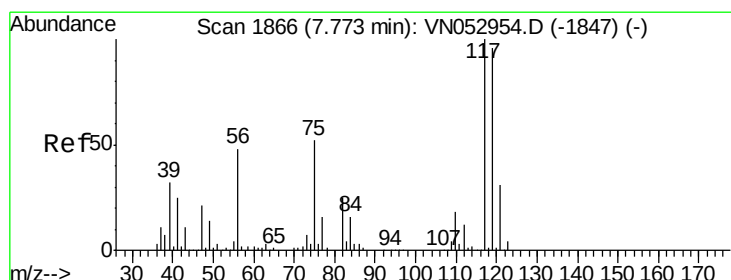
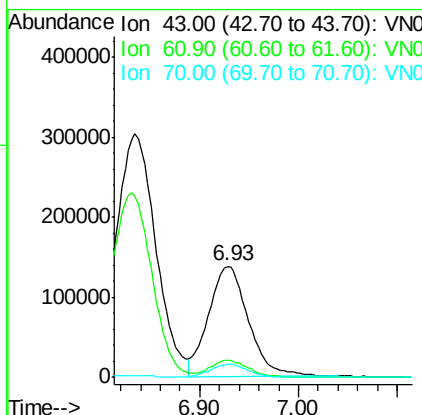
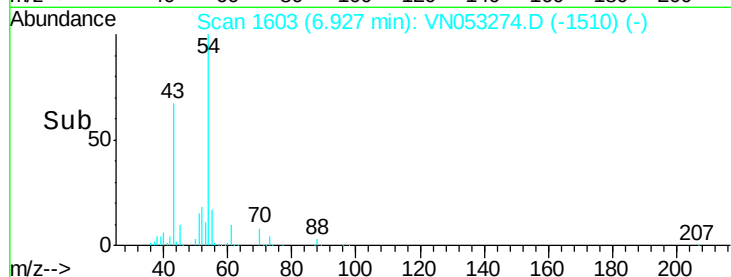
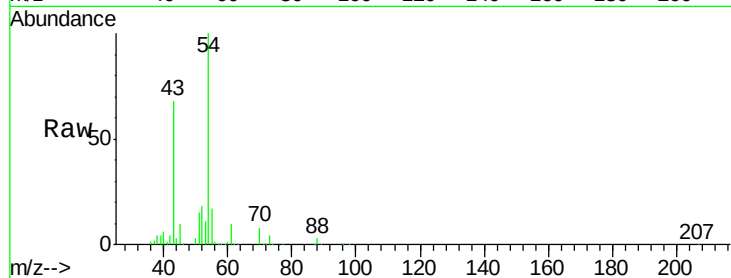
#37
Ethyl Acetate
Concen: 63.679 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.8	17.6
70	11.2	8.4	12.6

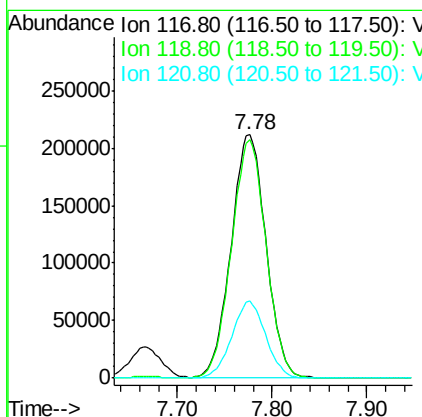
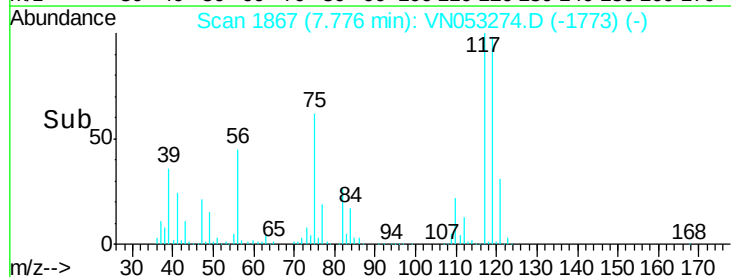
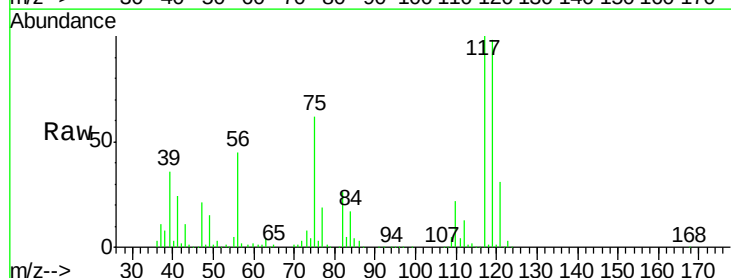
Manual Integrations
APPROVED

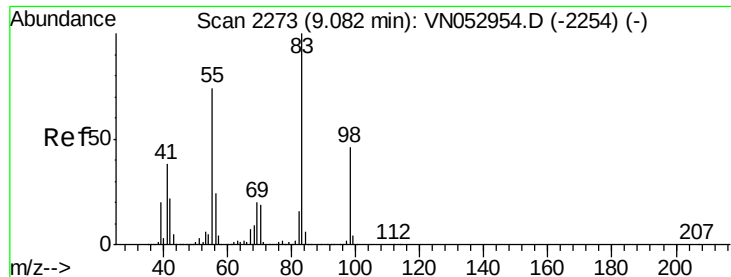
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#38
Carbon Tetrachloride
Concen: 54.048 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	77.1	115.7
121	31.5	24.9	37.3





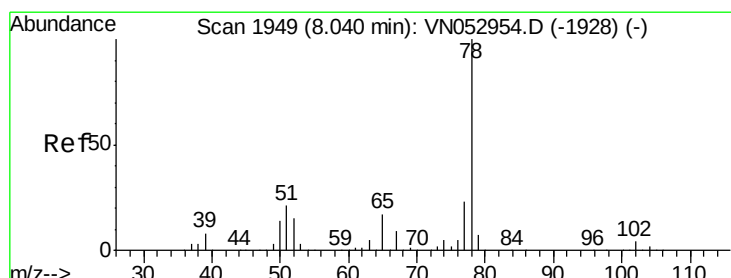
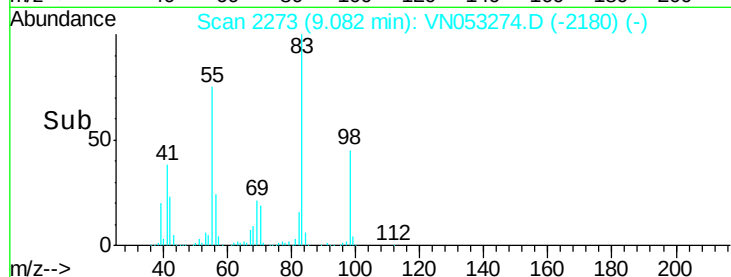
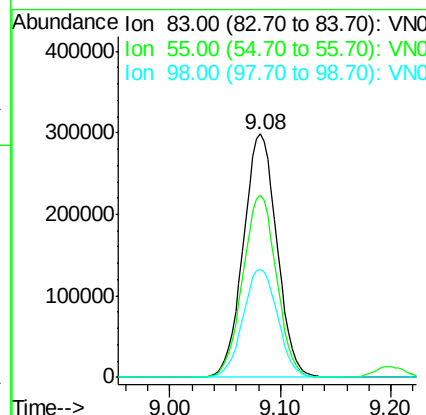
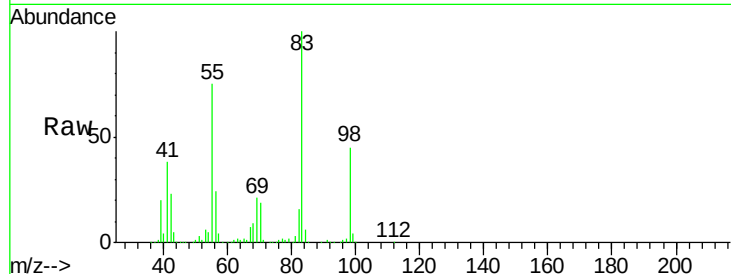
#39
Methylvlcyclohexane
Concen: 47.301 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.0	61.3	91.9
98	44.5	37.0	55.4

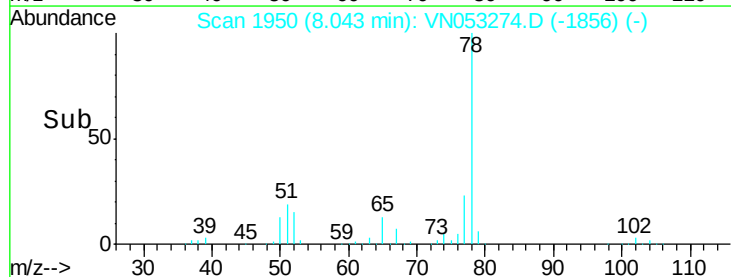
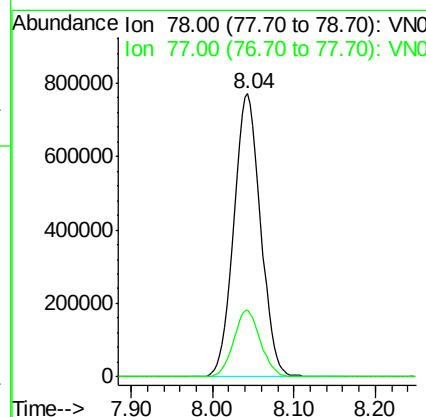
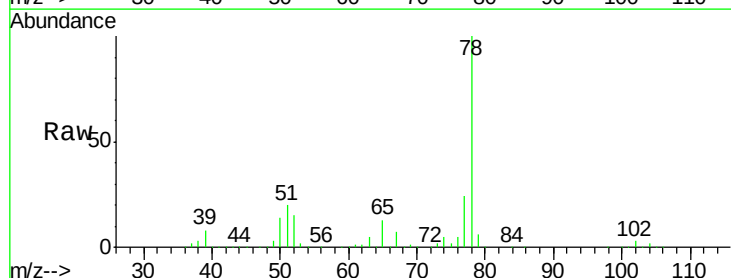
Manual Integrations
APPROVED

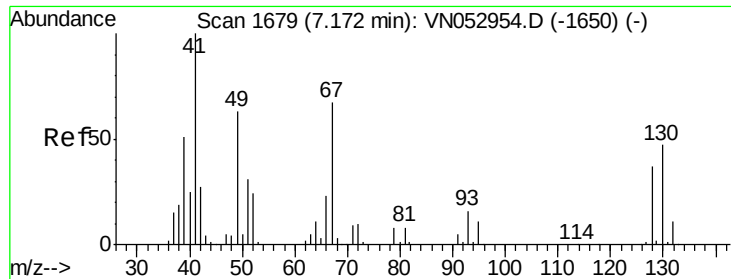
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#40
Benzene
Concen: 54.396 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.5	27.7





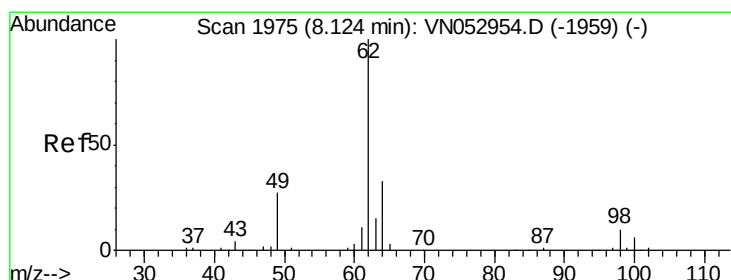
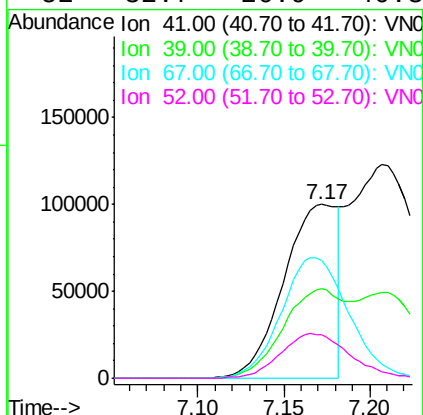
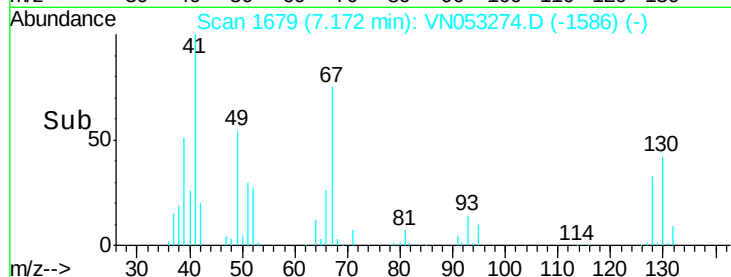
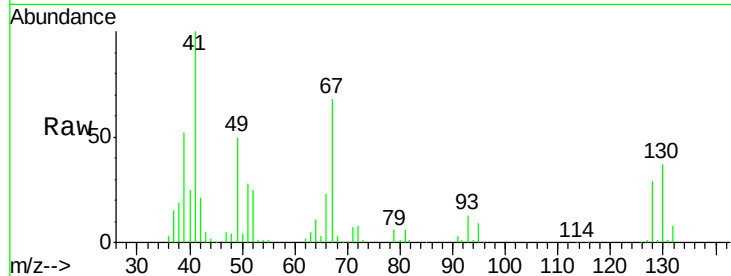
#41
Methacrylonitrile
Concen: 61.426 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion:	41	Resp:	216835
Ion	Ratio	Lower	Upper
41	100		
39	59.2	48.0	72.0
67	87.9	70.3	105.5
52	32.7	26.9	40.3

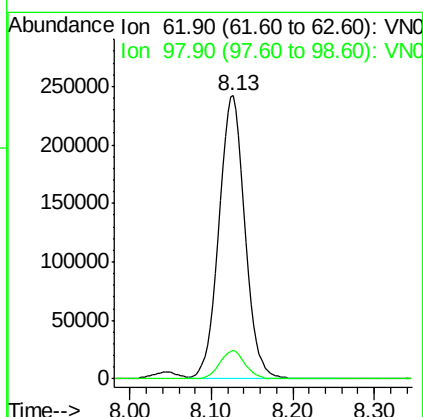
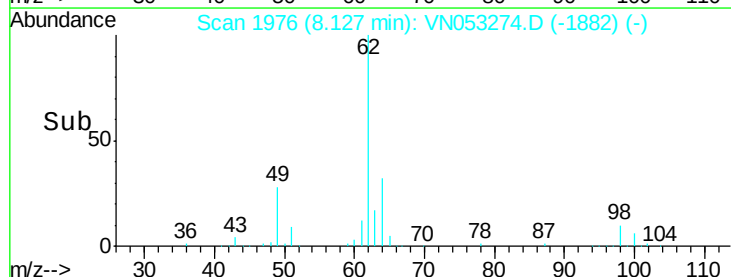
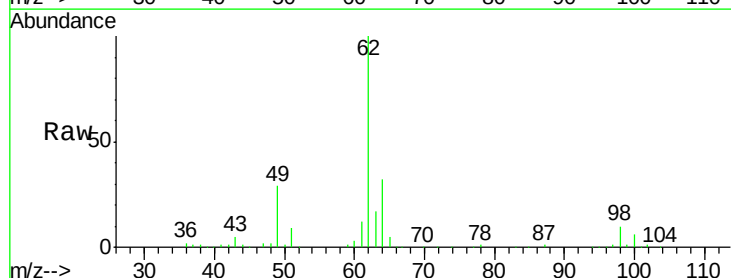
Manual Integrations
APPROVED

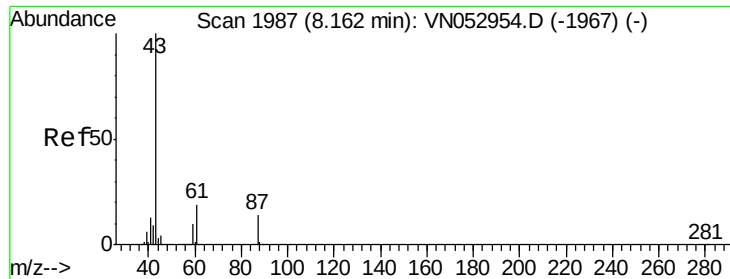
MMDadoda
1/4/2019 12:39:06 PM



#42
1,2-Dichloroethane
Concen: 56.587 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Tgt Ion:	62	Resp:	544177
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.0





#43

Isopropyl Acetate

Concen: 60.951 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

MSVOA_N

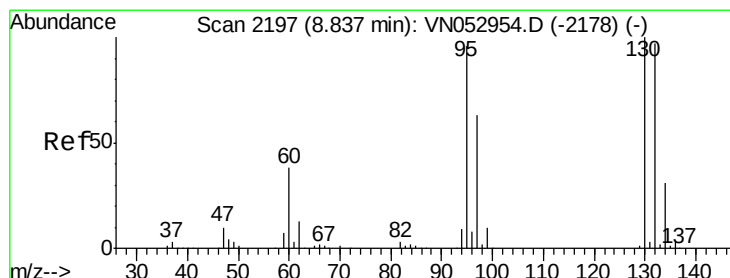
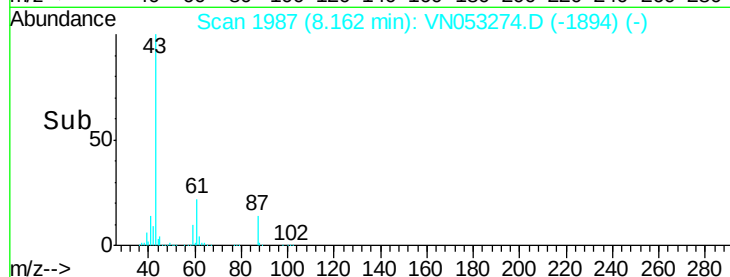
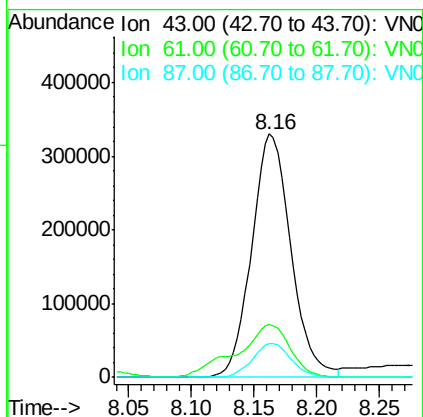
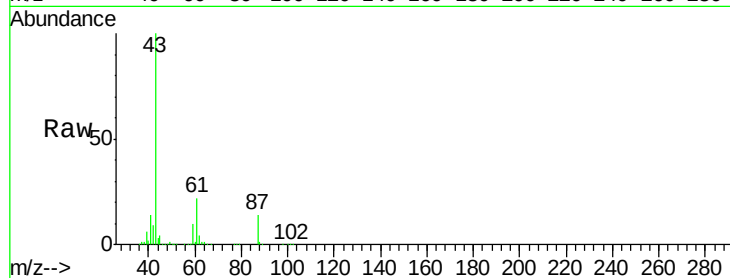
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	717916
Ion	Ratio	Lower	Upper
43	100		
61	29.1	22.9	34.3
87	13.8	10.6	15.8

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#44

Trichloroethene

Concen: 51.639 ug/l

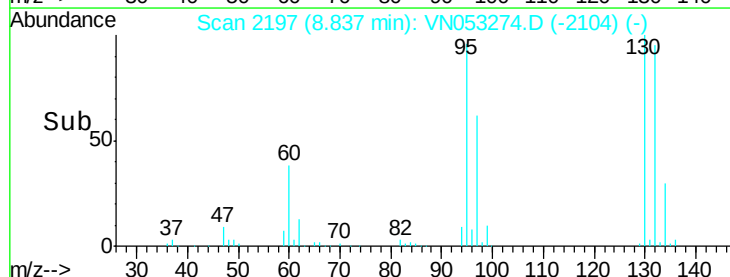
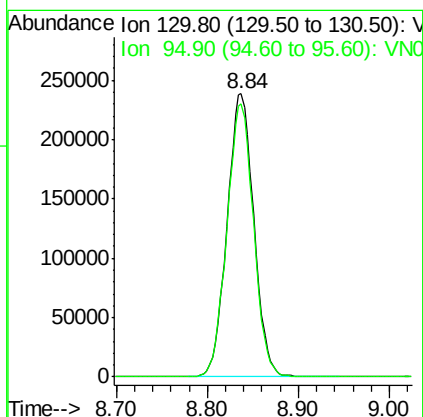
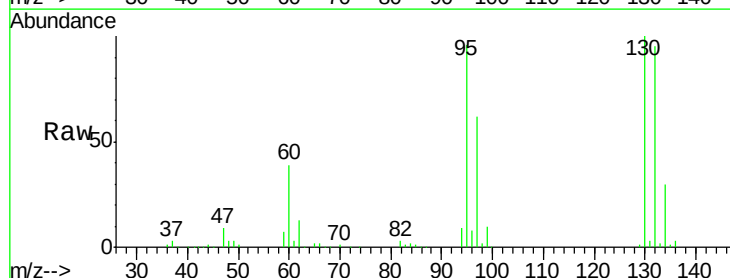
RT: 8.84 min Scan# 2197

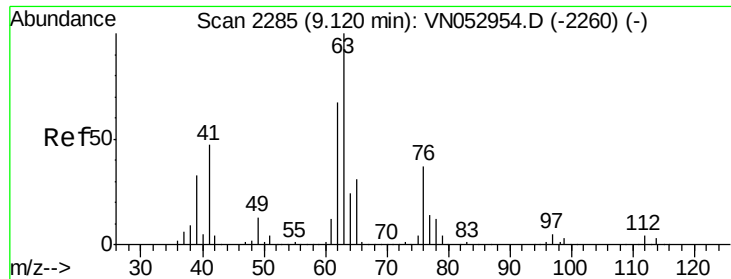
Delta R.T. -0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Tgt Ion:	130	Resp:	486209
Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	197.8





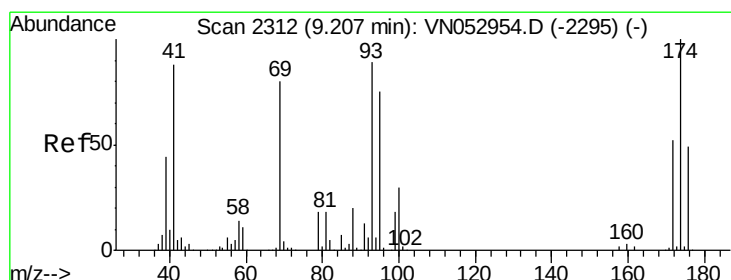
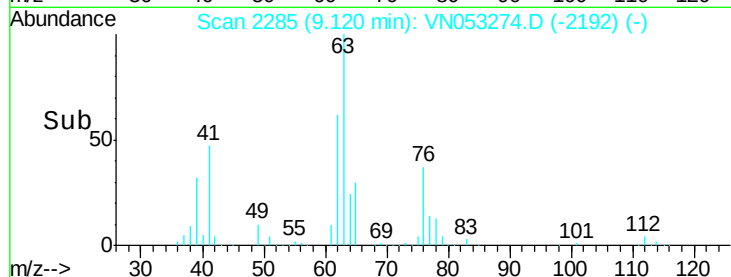
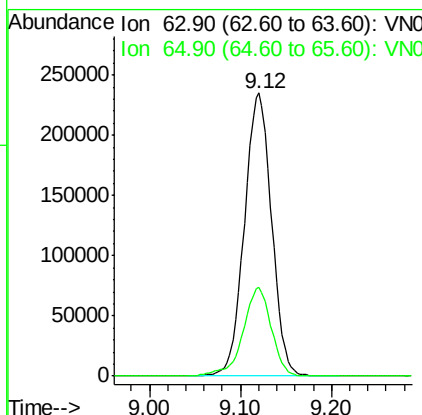
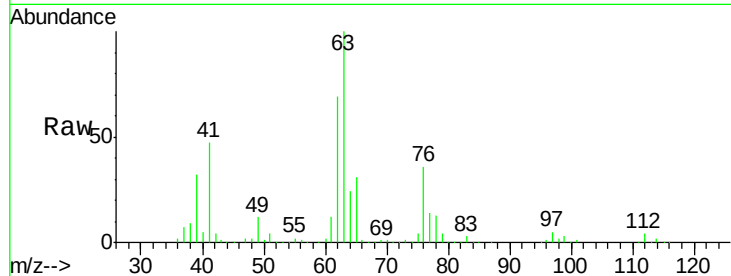
#45
 1,2-Dichloropropane
 Concen: 57.471 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053274.D
 Acq: 3 Jan 2019 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 487301
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.6 37.0

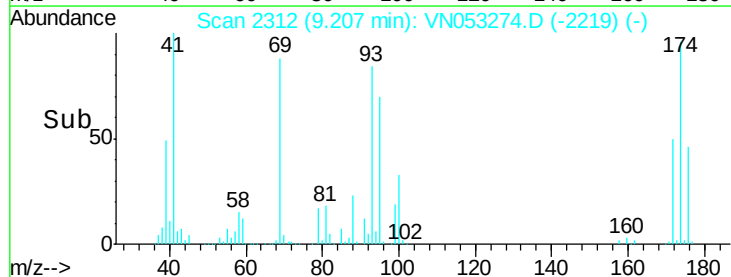
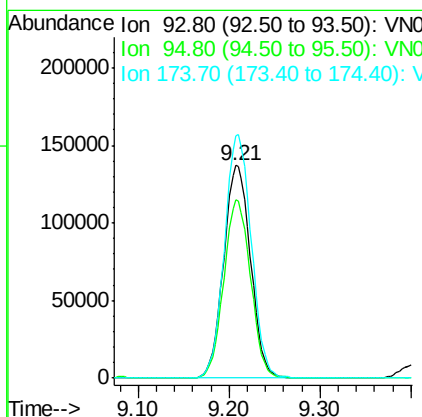
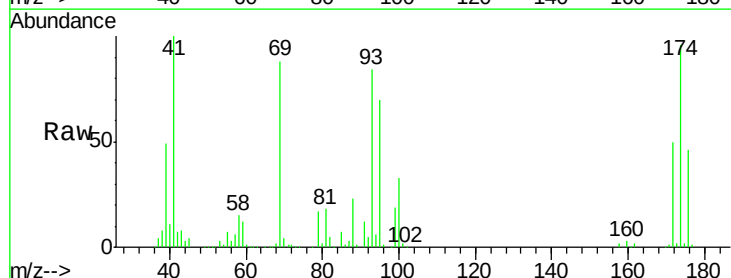
Manual Integrations
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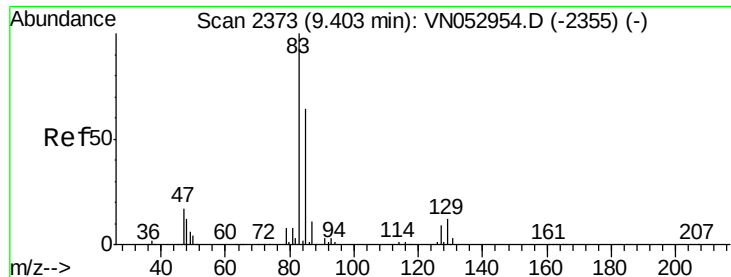
MMDadoda
 1/4/2019 12:39:06 PM



#46
 Dibromomethane
 Concen: 57.227 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053274.D
 Acq: 3 Jan 2019 20:31

Tgt Ion: 93 Resp: 282669
 Ion Ratio Lower Upper
 93 100
 95 83.1 67.8 101.6
 174 113.7 89.0 133.4





#47

Bromodichloromethane

Concen: 56.866 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

MSVOA_N

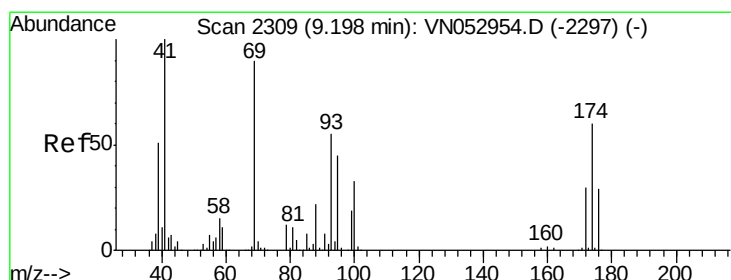
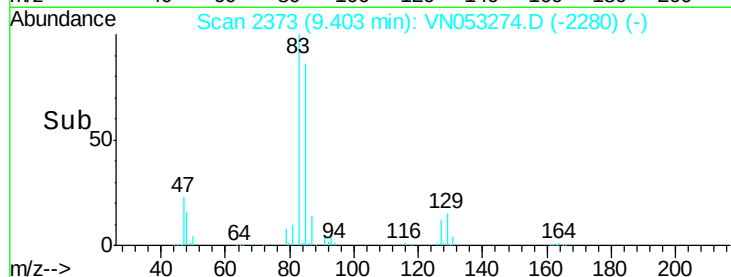
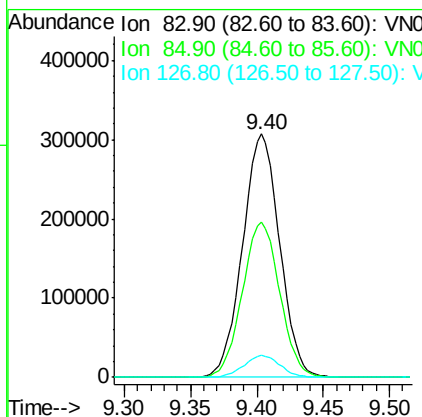
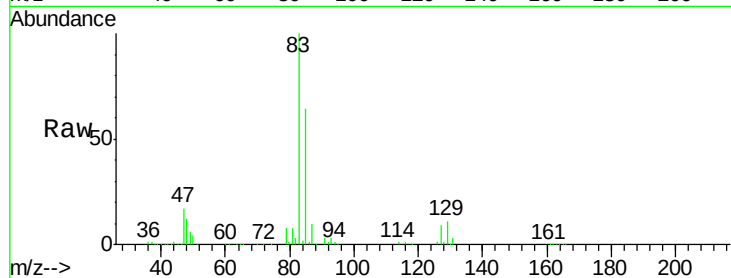
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	597063
Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.6	77.4
127	8.9	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 60.866 ug/l

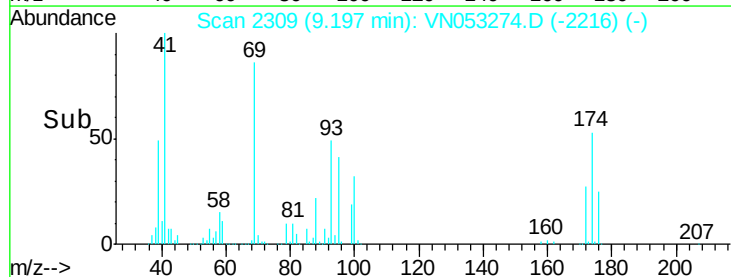
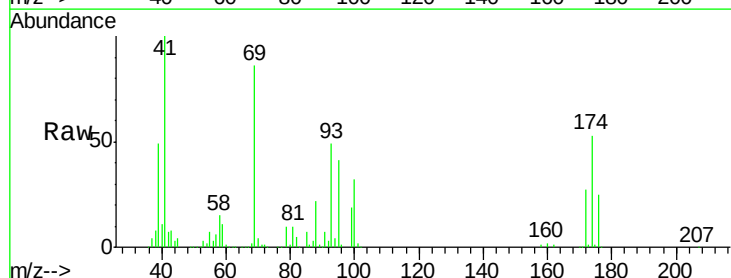
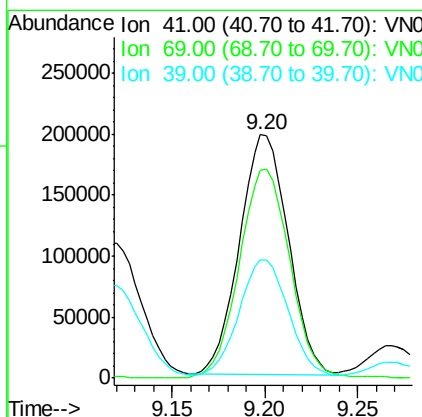
RT: 9.20 min Scan# 2309

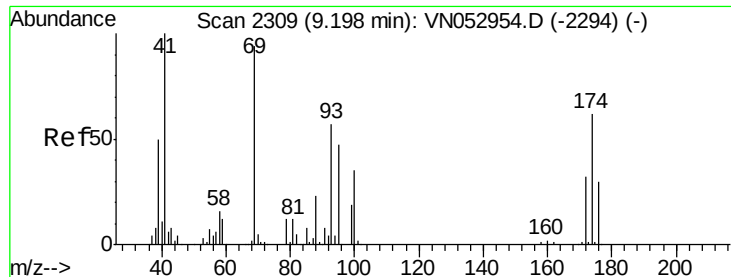
Delta R.T. -0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Tgt Ion:	41	Resp:	360844
Ion	Ratio	Lower	Upper
41	100		
69	90.4	72.2	108.2
39	51.0	41.9	62.9





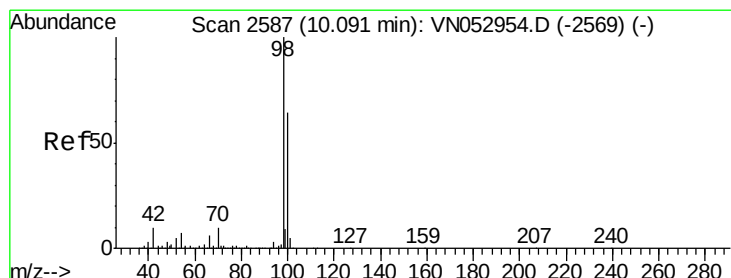
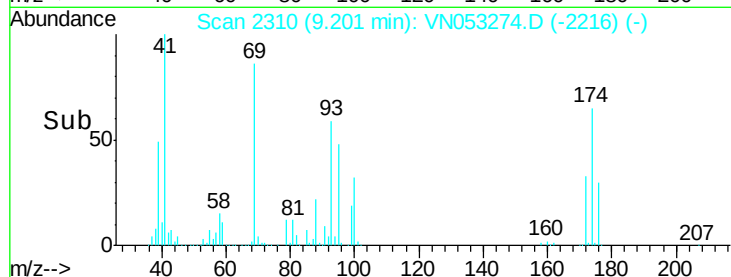
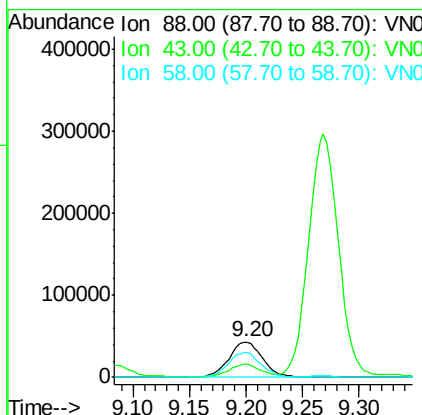
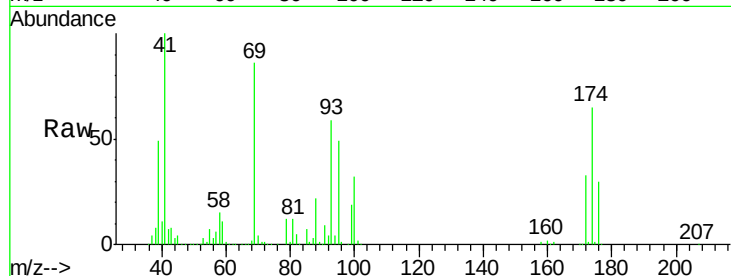
#49
1,4-Dioxane
Concen: 1189.135 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	89176
Ion	Ratio	Lower	Upper
88	100		
43	32.3	26.6	40.0
58	68.8	58.4	87.6

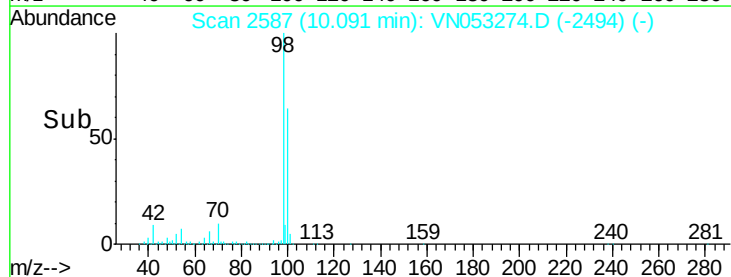
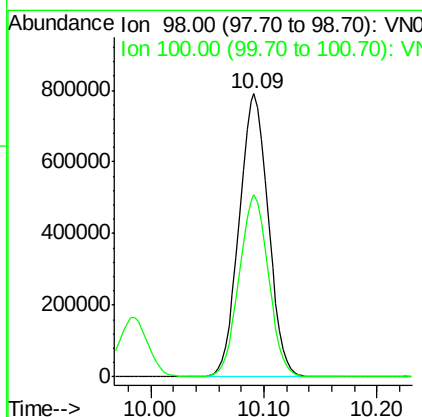
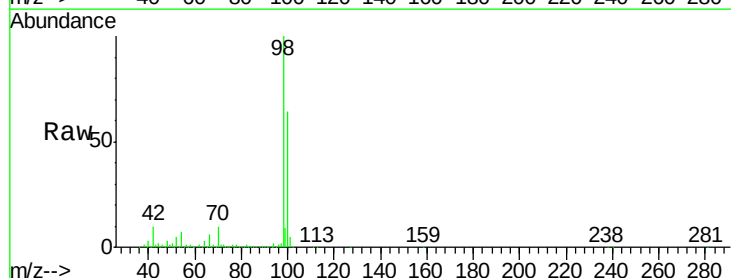
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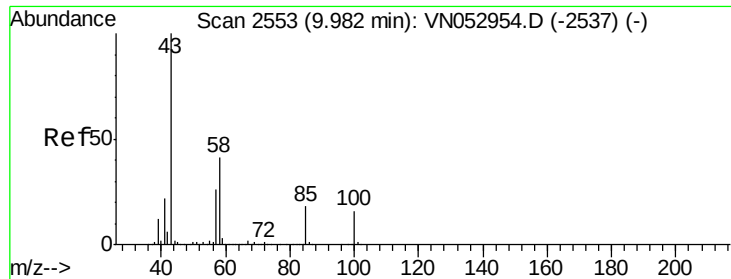
MMDadoda
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#50
Toluene-d8
Concen: 1189.135 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Tgt Ion	98	Resp	1420649
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 329.422 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1949039

Ion Ratio Lower Upper

43 100

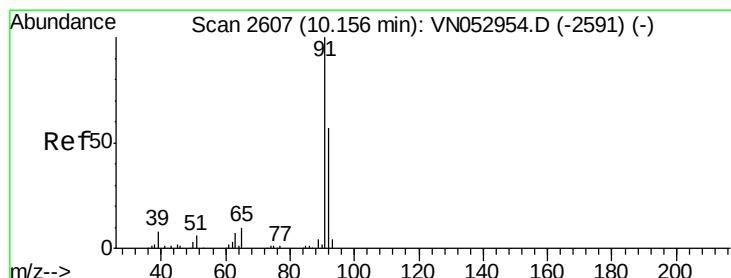
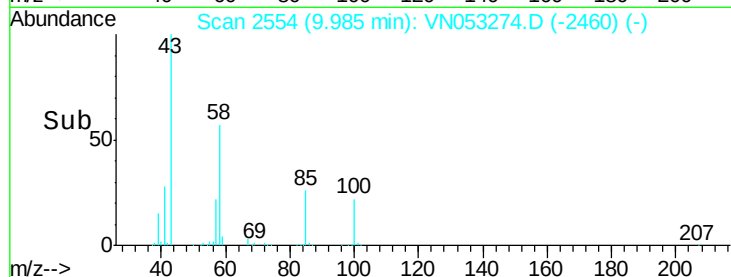
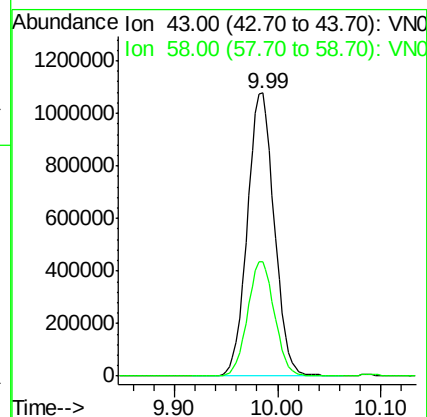
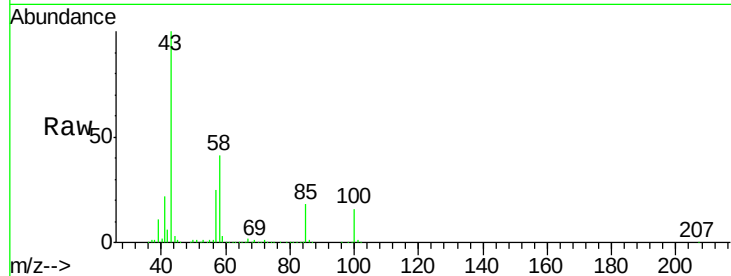
58 40.6 32.2 48.4

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#52

Toluene

Concen: 54.507 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053274.D

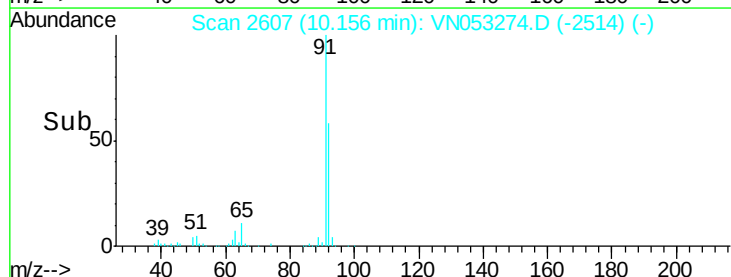
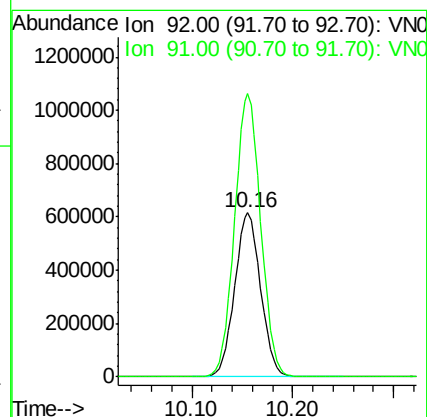
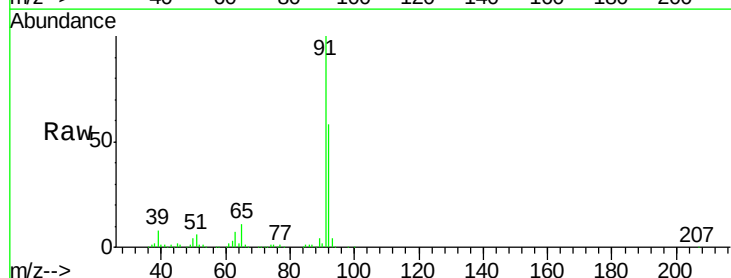
Acq: 3 Jan 2019 20:31

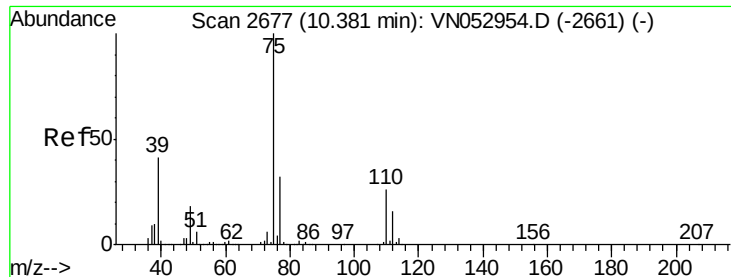
Tgt Ion: 92 Resp: 1099799

Ion Ratio Lower Upper

92 100

91 173.9 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 54.809 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 605129

Ion Ratio Lower Upper

75 100

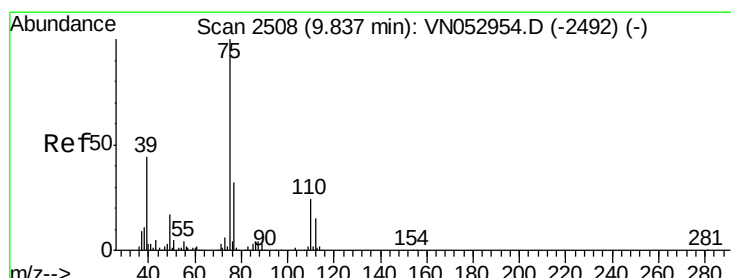
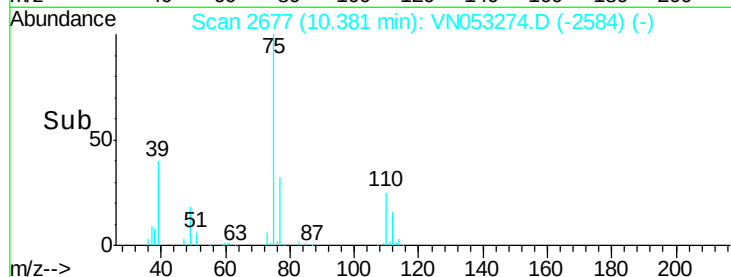
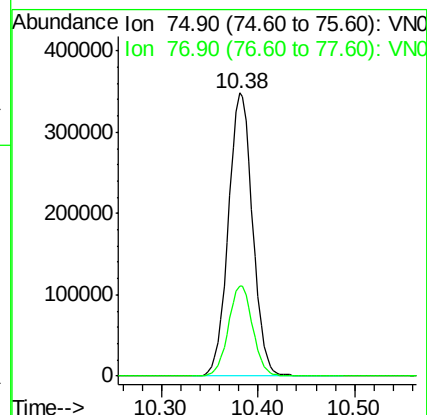
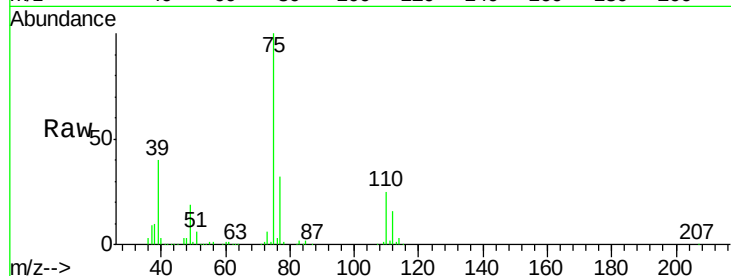
77 31.9 25.6 38.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 54.837 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

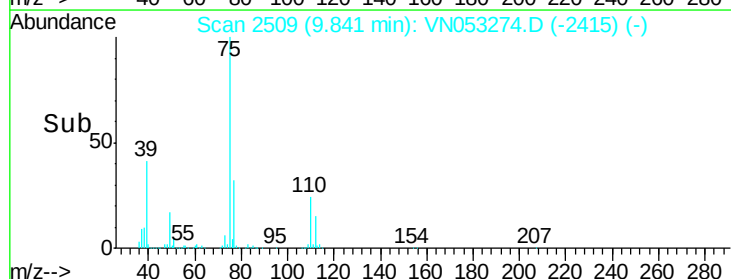
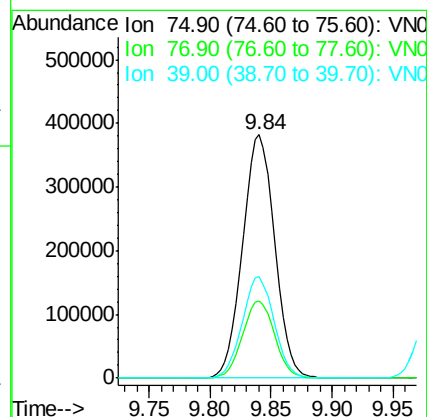
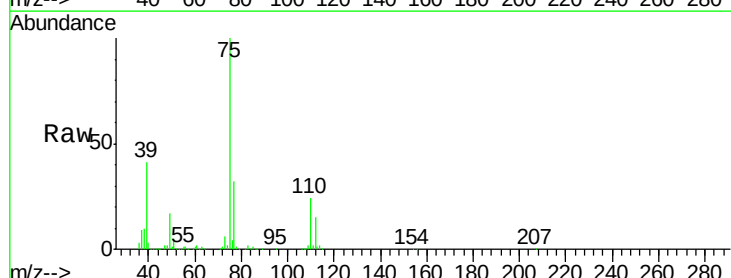
Tgt Ion: 75 Resp: 694942

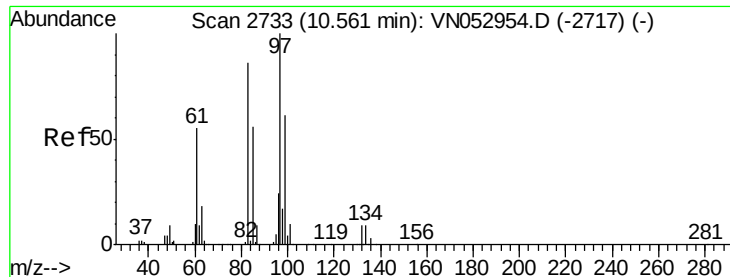
Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.8

39 41.4 34.8 52.2





#55

1,1,2-Trichloroethane

Concen: 59.333 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 417650

Ion Ratio Lower Upper

97 100

83 87.8 70.9 106.3

85 57.2 45.4 68.2

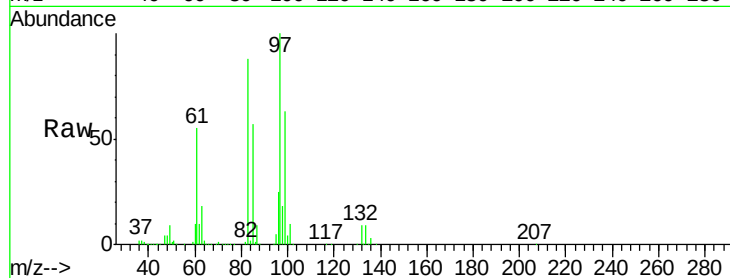
99 62.8 50.4 75.6

Manual Integrations

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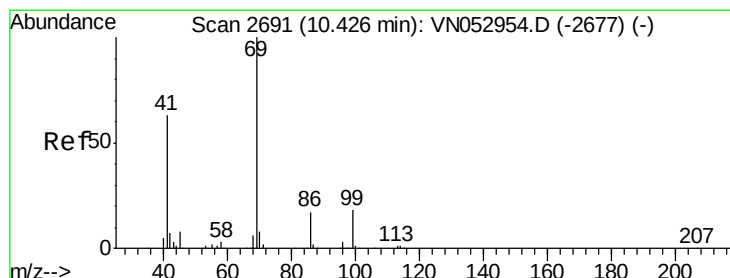
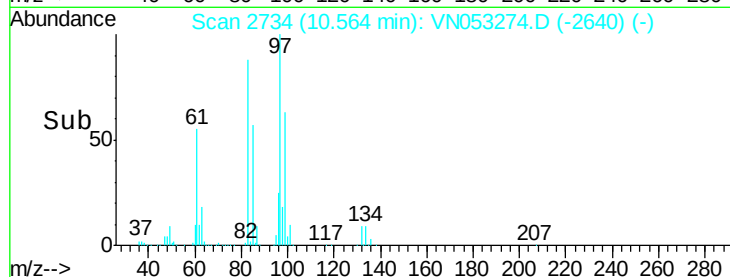
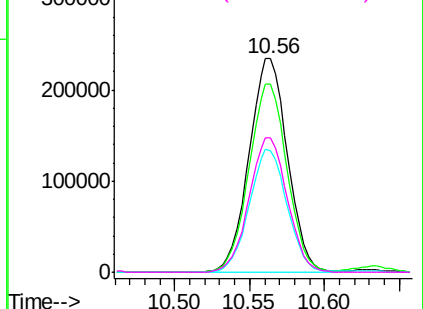


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 60.638 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

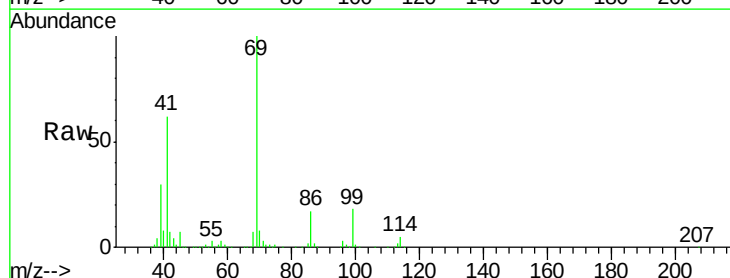
Tgt Ion: 69 Resp: 564965

Ion Ratio Lower Upper

69 100

41 61.5 51.7 77.5

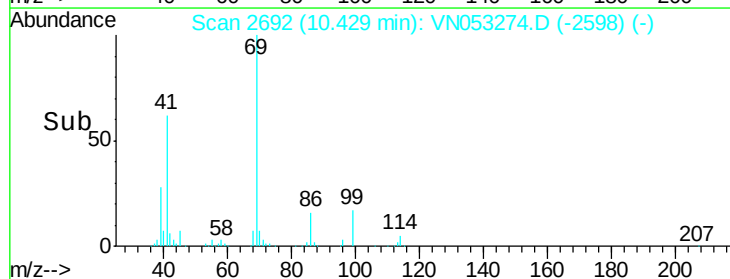
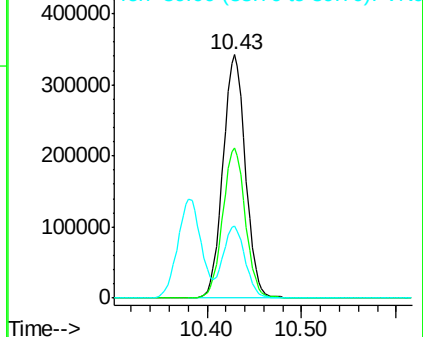
39 29.1 24.6 37.0

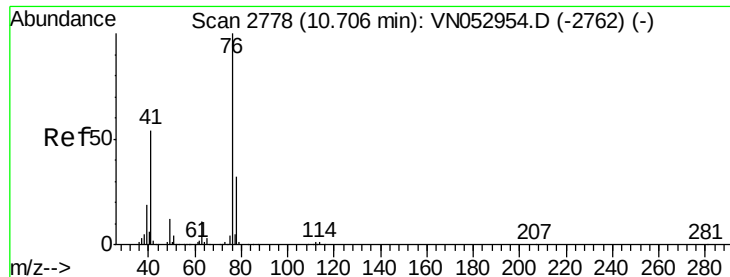


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





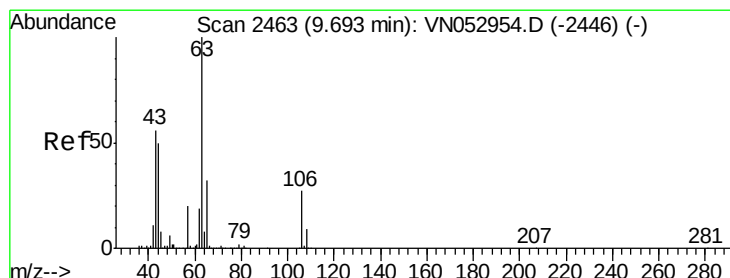
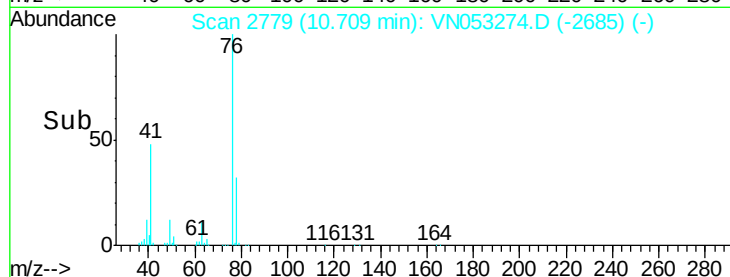
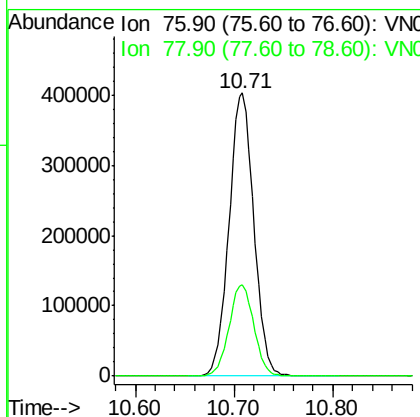
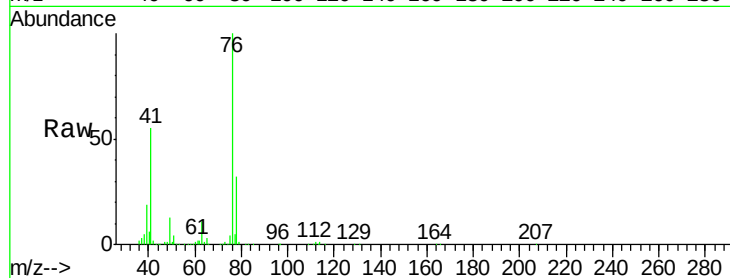
#57
 1,3-Dichloropropane
 Concen: 58.560 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053274.D
 Acq: 3 Jan 2019 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.8	38.8

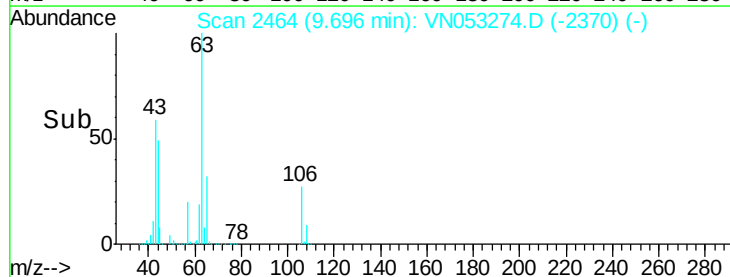
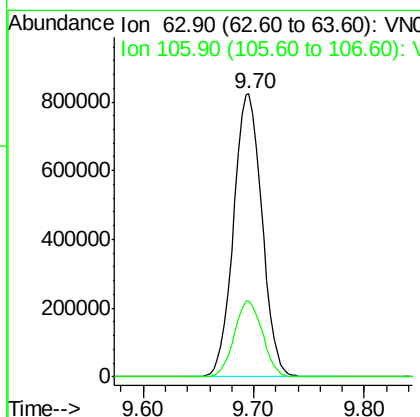
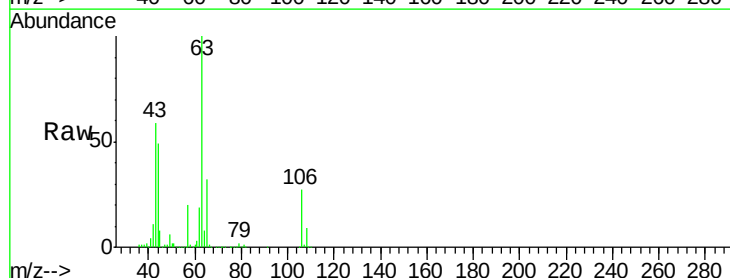
Manual Integrations
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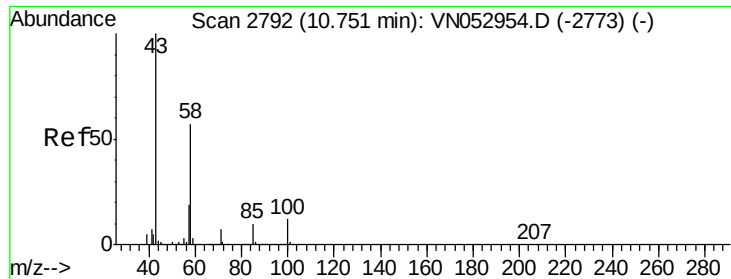
MMDadoda
 1/4/2019 12:39:06 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 287.185 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053274.D
 Acq: 3 Jan 2019 20:31

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.8	21.0	31.6





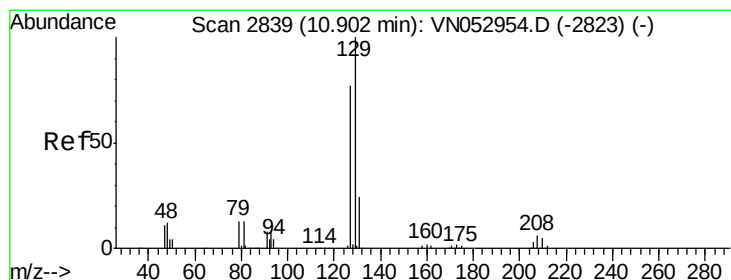
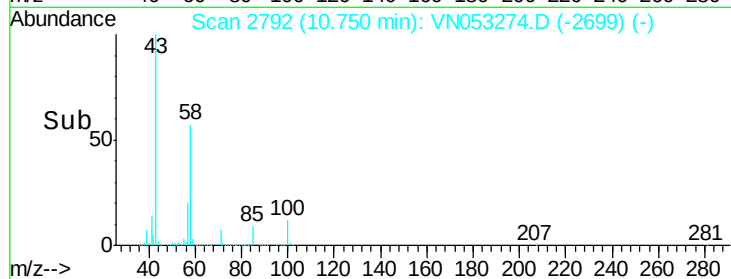
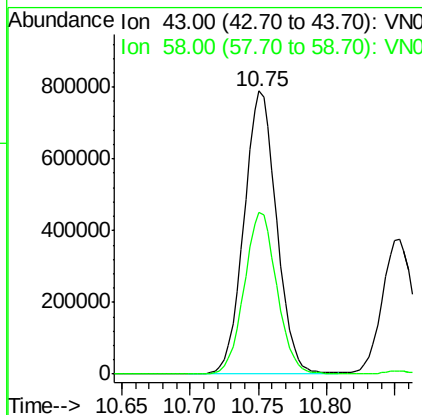
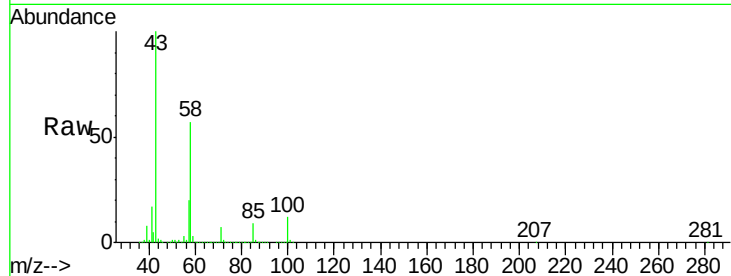
#59
2-Hexanone
Concen: 325.794 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1304162
Ion Ratio Lower Upper
43 100
58 57.5 28.1 84.3

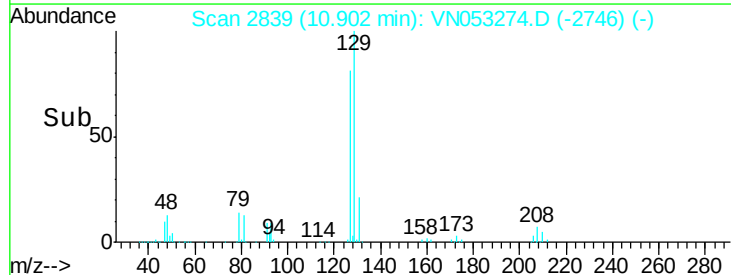
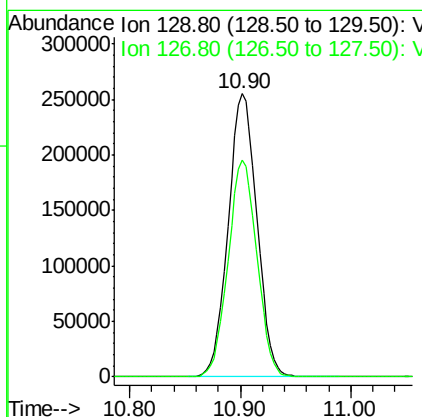
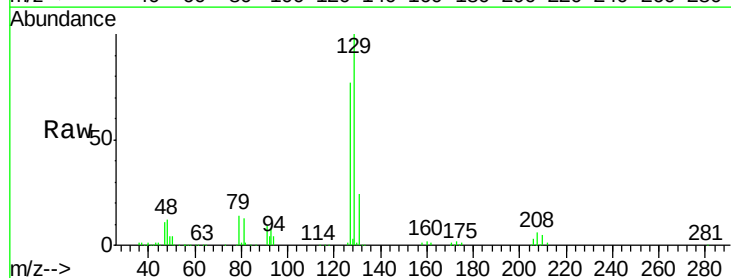
Manual Integrations
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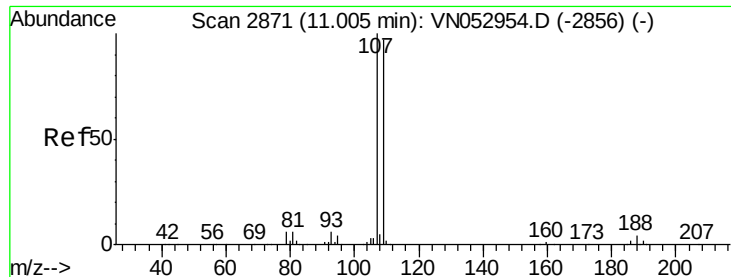
MMDadoda
1/4/2019 12:39:06 PM



#60
Dibromochloromethane
Concen: 57.181 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Tgt Ion: 129 Resp: 460735
Ion Ratio Lower Upper
129 100
127 76.6 38.6 116.0





#61

1,2-Dibromoethane

Concen: 57.043 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

MSVOA_N

ClientSampled :

VSTDC050EC

Tot Ion: 107 Resp: 407800

Ion Ratio Lower Upper

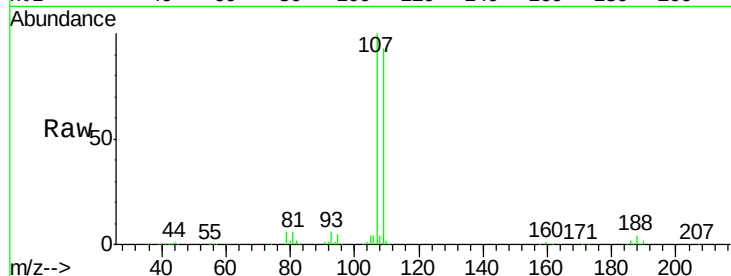
107 100

109 94.7 75.4 113.0

Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

250000

200000

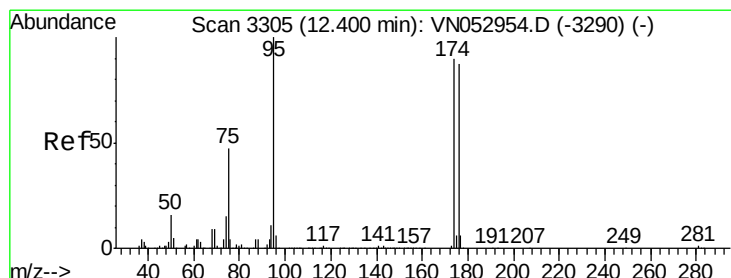
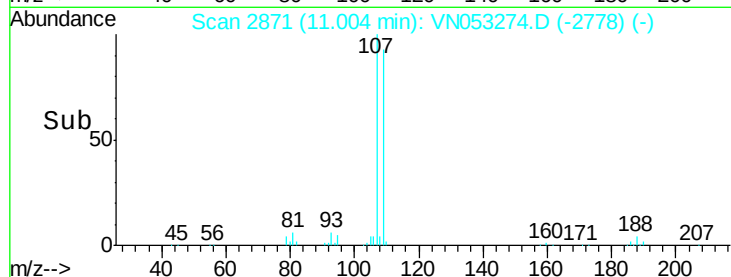
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 57.043 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

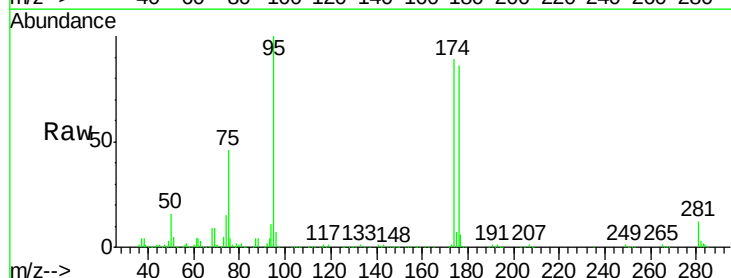
Tgt Ion: 95 Resp: 512550

Ion Ratio Lower Upper

95 100

174 89.6 0.0 178.8

176 88.0 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

400000

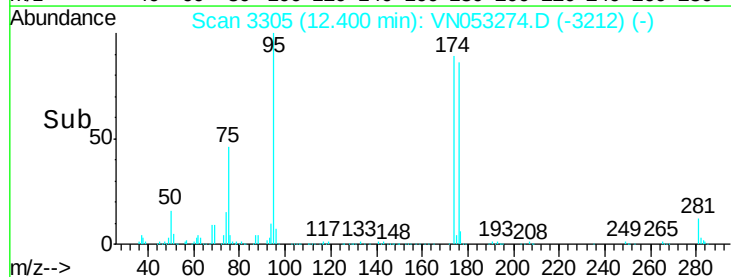
300000

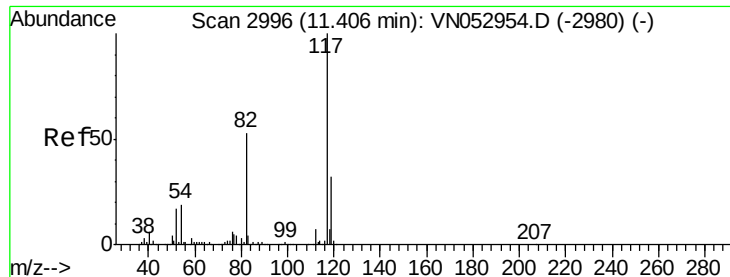
200000

100000

0

Time--> 12.30 12.35 12.40 12.45





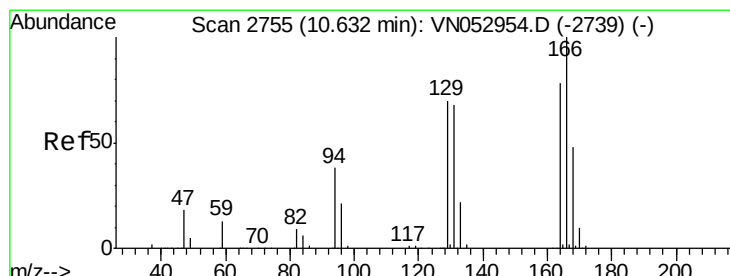
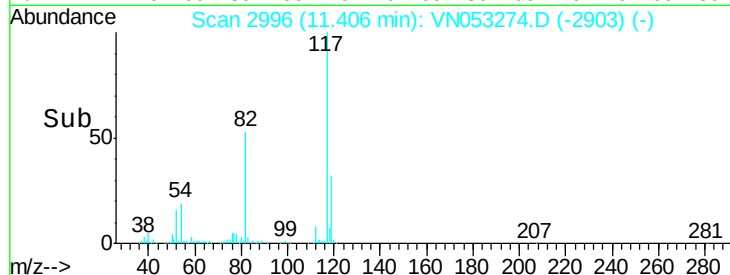
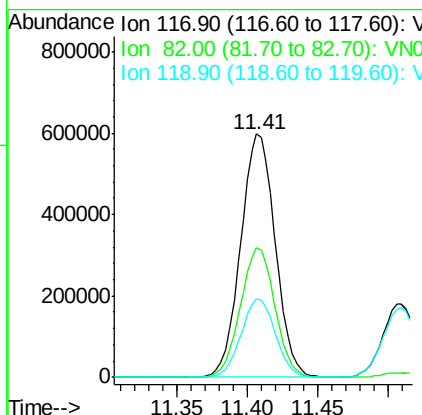
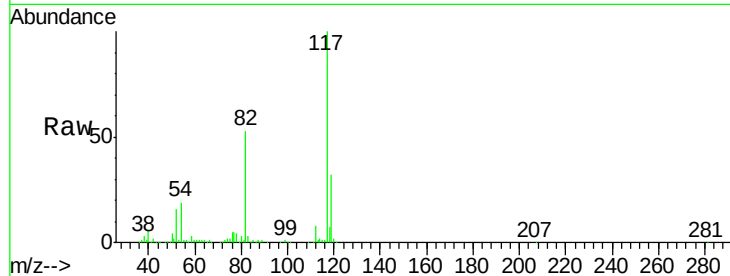
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 1027664
Ion Ratio Lower Upper
117 100
82 53.3 42.8 64.2
119 32.1 25.5 38.3

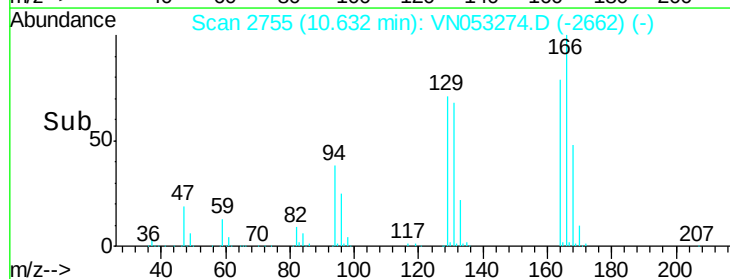
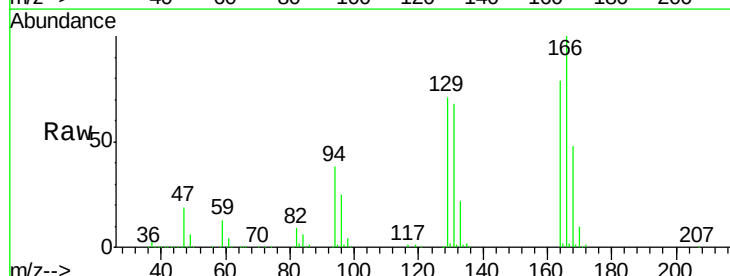
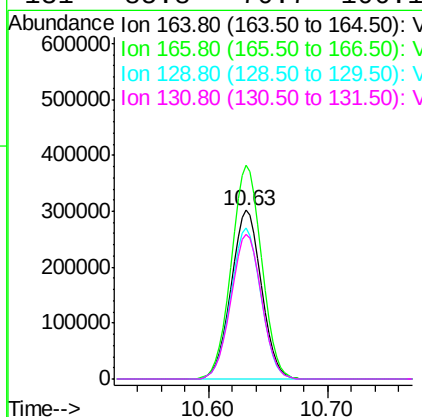
Manual Integrations
APPROVED

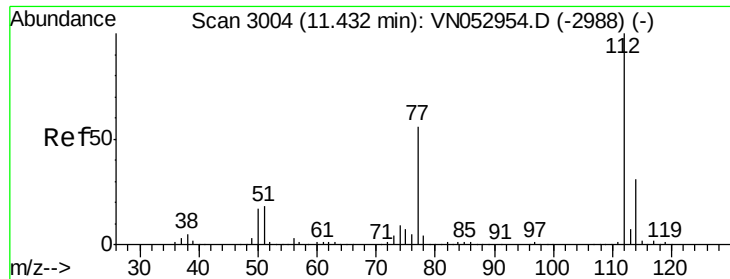
MMDadoda
1/4/2019 12:39:06 PM



#64
Tetrachloroethene
Concen: 47.693 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Tgt Ion:164 Resp: 530910
Ion Ratio Lower Upper
164 100
166 126.5 102.9 154.3
129 89.2 73.7 110.5
131 85.8 70.7 106.1





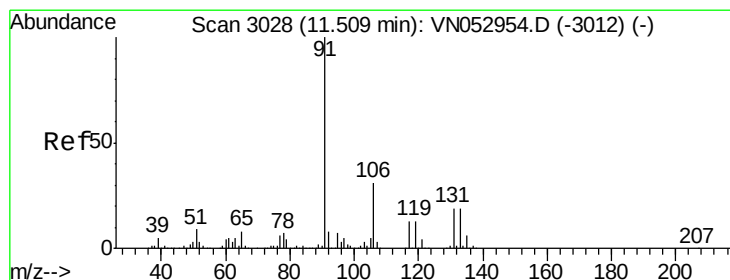
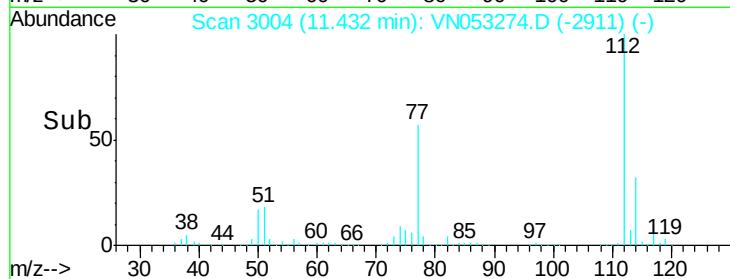
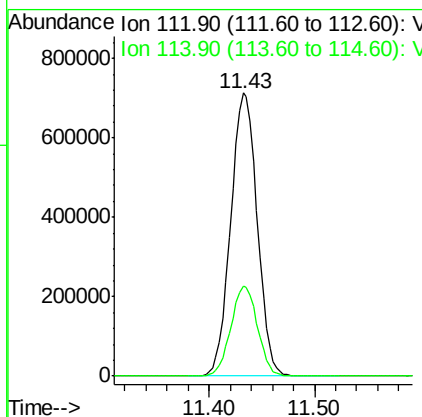
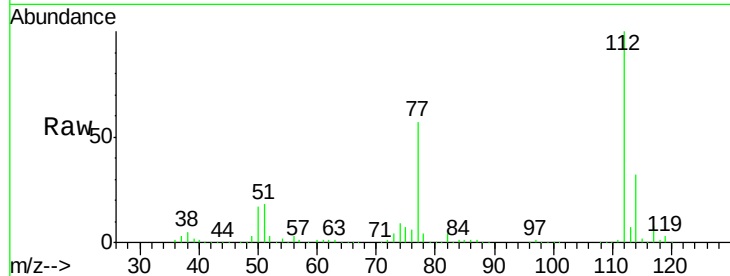
#65
Chlorobenzene
Concen: 54.282 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 1236562
Ion Ratio Lower Upper
112 100
114 31.7 25.5 38.3

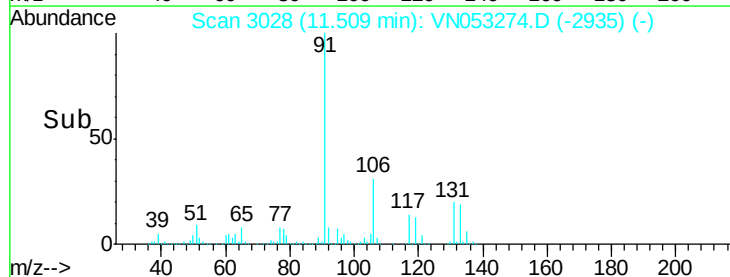
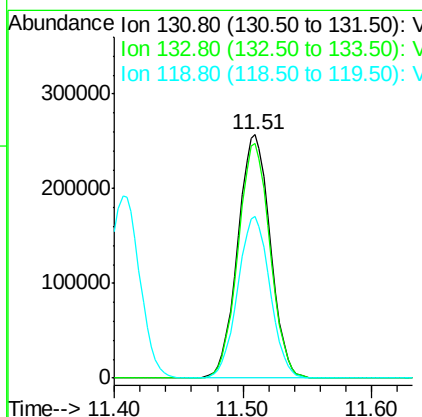
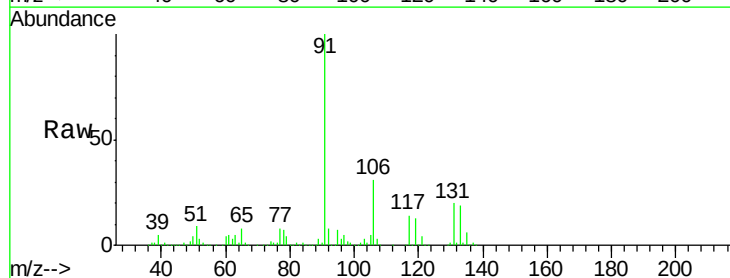
Manual Integrations
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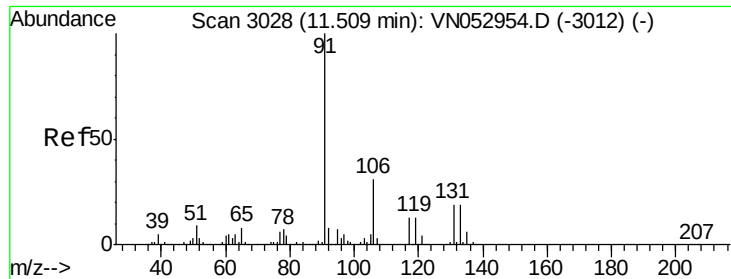
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 56.846 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Tgt Ion:131 Resp: 450326
Ion Ratio Lower Upper
131 100
133 95.0 47.6 142.9
119 66.1 33.3 99.8





#67

Ethyl Benzene

Concen: 54.151 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 2121425

Ion Ratio Lower Upper

91 100

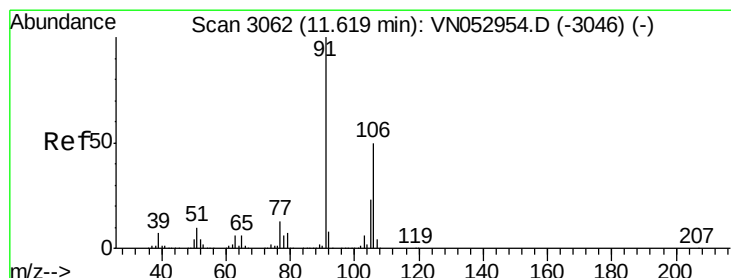
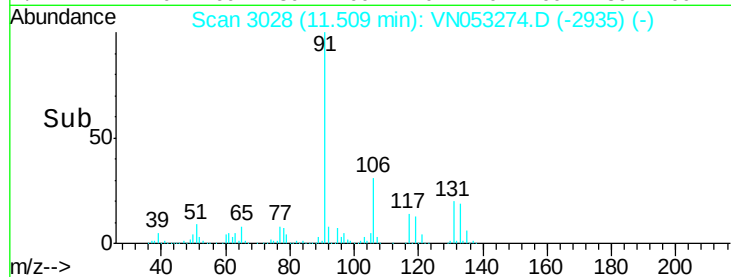
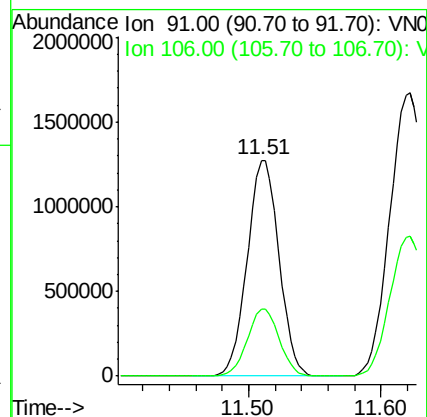
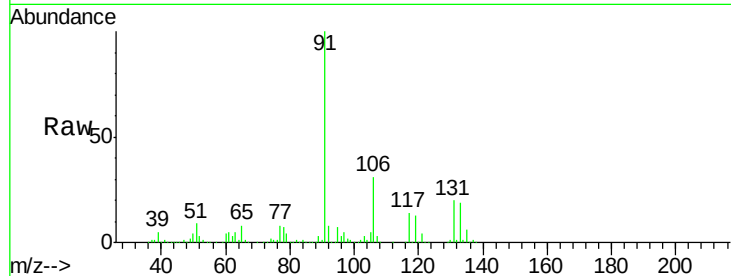
106 31.3 24.9 37.3

Manual Integrations

APPROVED

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#68

m/p-Xylenes

Concen: 107.850 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053274.D

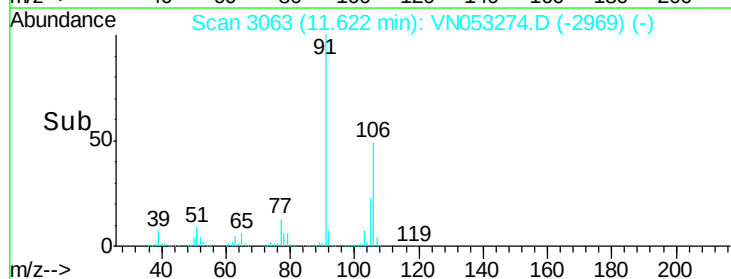
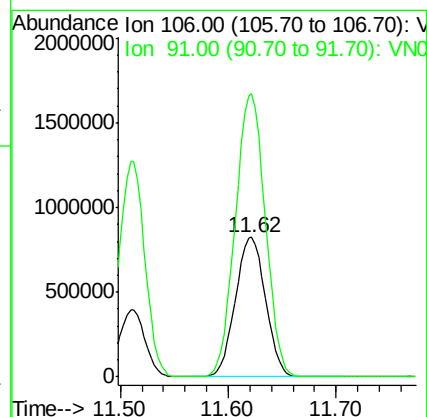
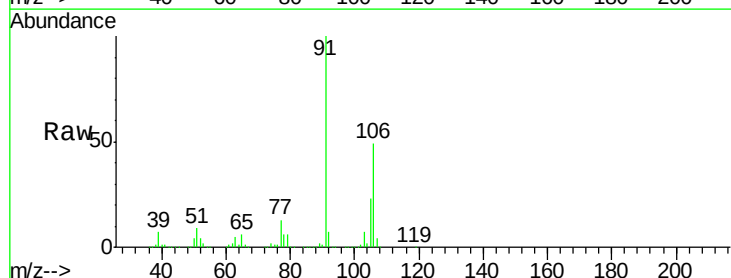
Acq: 3 Jan 2019 20:31

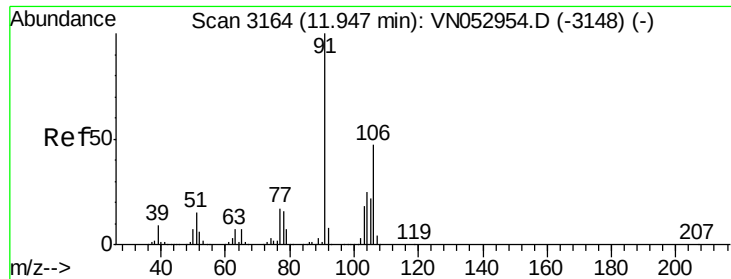
Tgt Ion: 106 Resp: 1606226

Ion Ratio Lower Upper

106 100

91 201.8 162.2 243.4





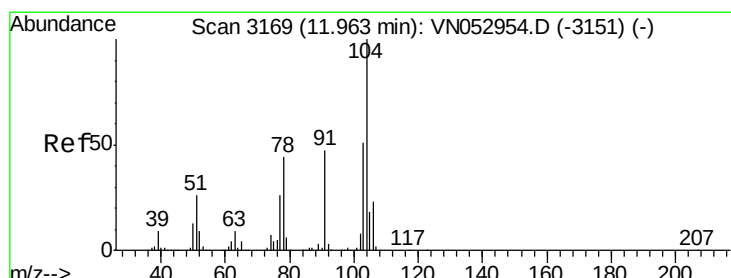
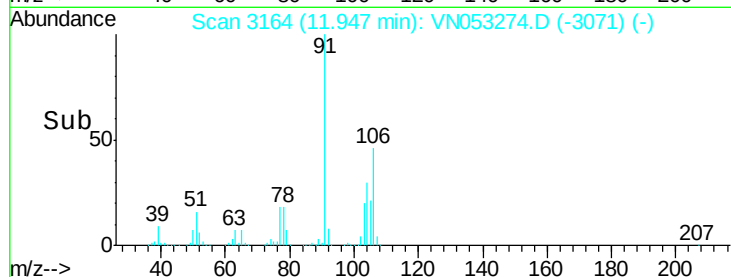
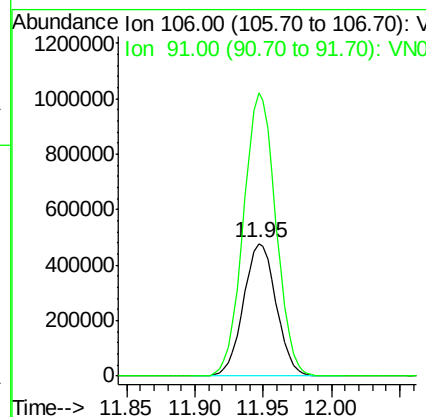
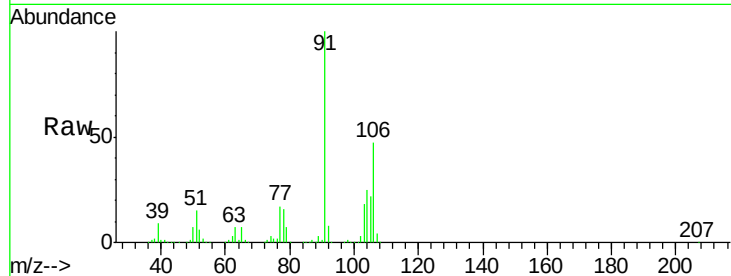
#69
o-Xylene
Concen: 55.518 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	212.4	106.6	319.8	

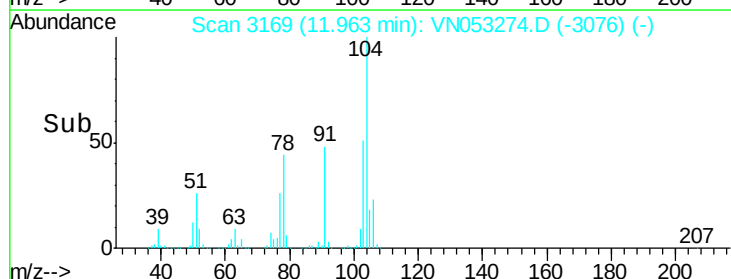
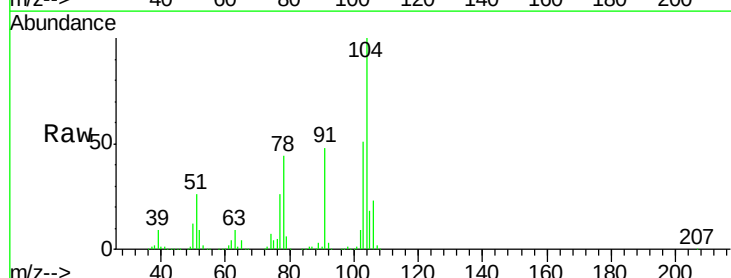
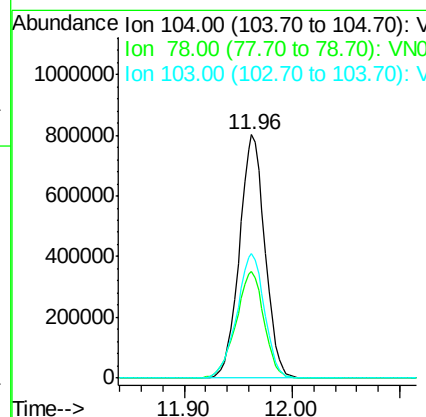
Manual Integrations
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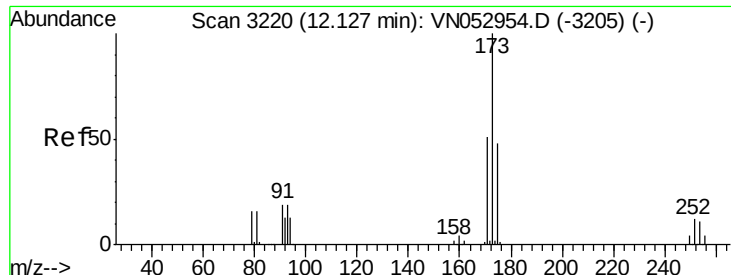
MMDadoda
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#70
Styrene
Concen: 56.683 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.2	38.9	58.3	
103	55.5	44.3	66.5	





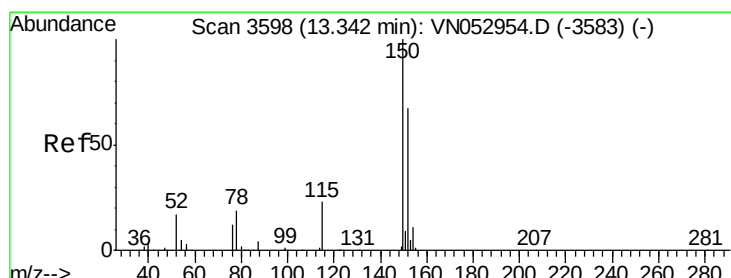
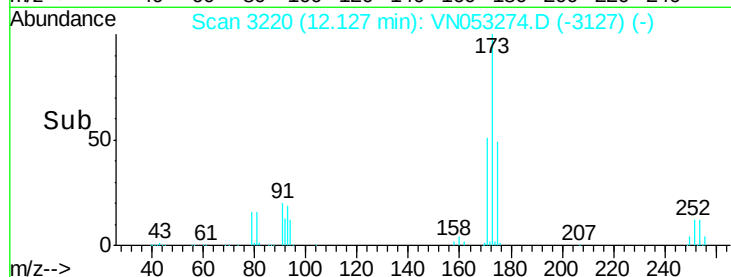
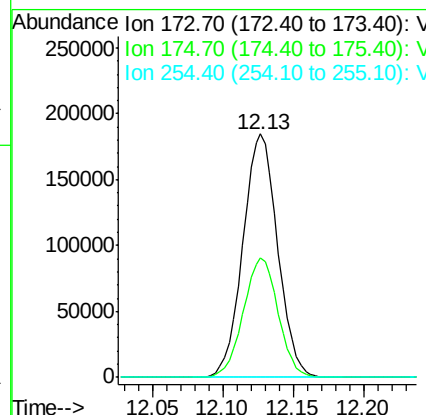
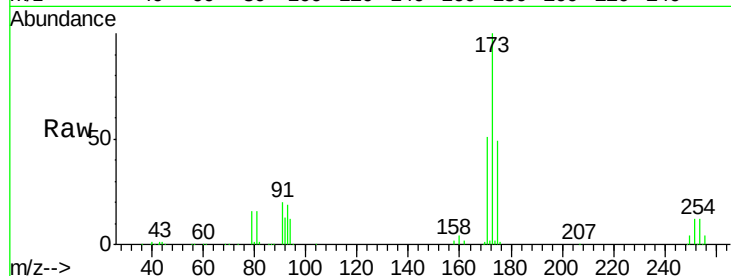
#71
Bromoform
Concen: 55.679 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.3	72.9
254	0.1	0.1	0.1

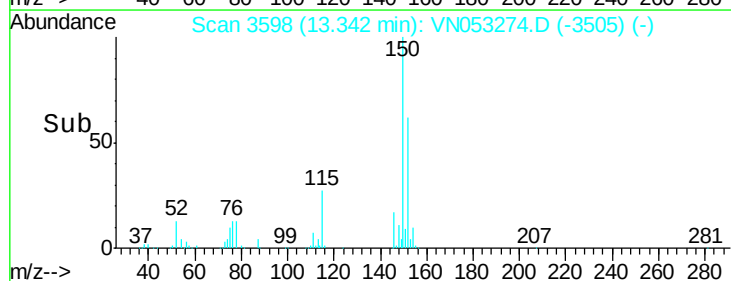
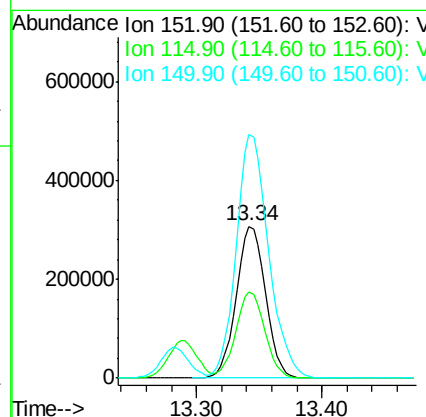
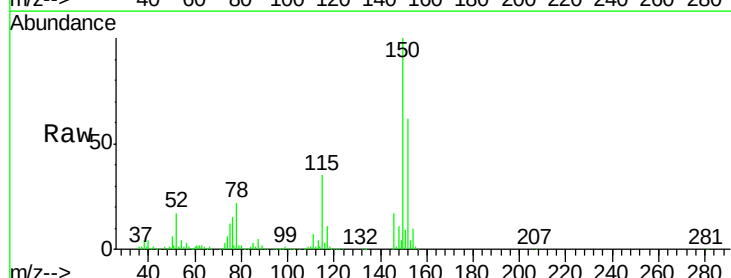
Manual Integrations
APPROVED

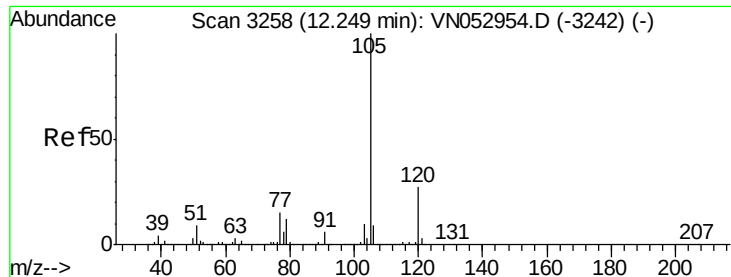
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	28.3	85.0
150	177.4	0.0	347.8





#73

Isopropylbenzene

Concen: 54.081 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2098560

Ion Ratio Lower Upper

105 100

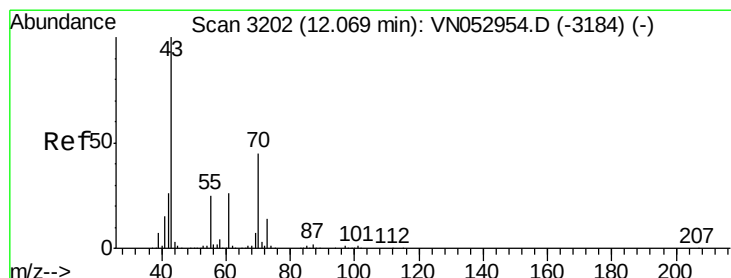
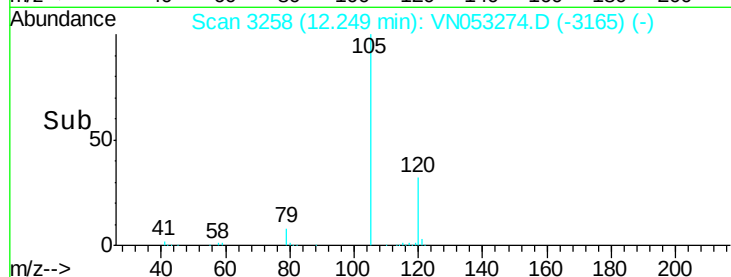
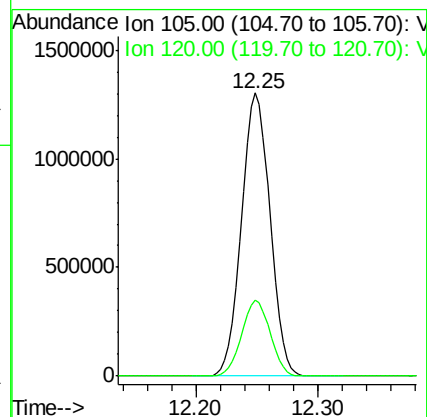
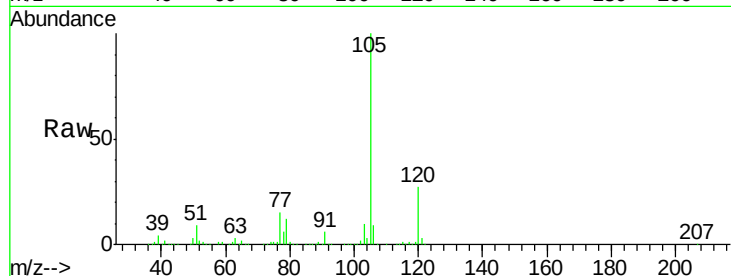
120 26.7 13.3 39.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 57.530 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Tgt Ion: 43 Resp: 619793

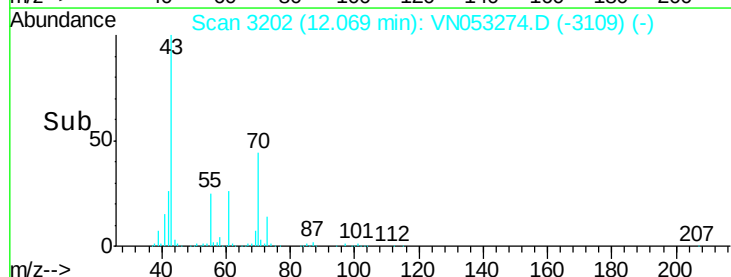
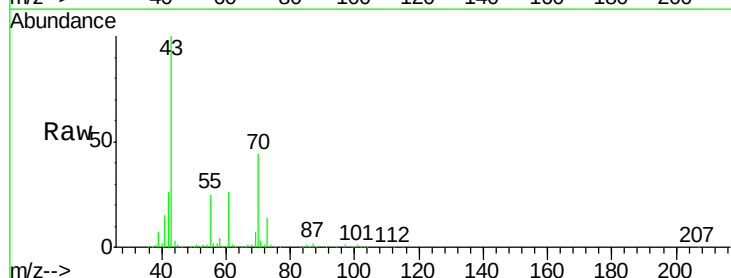
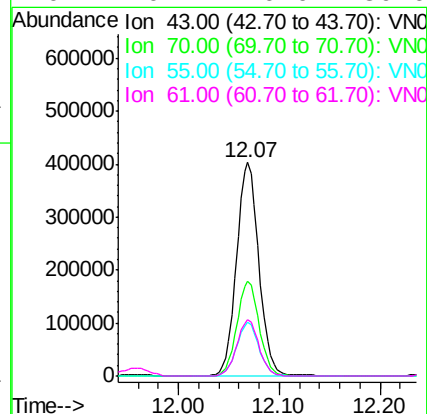
Ion Ratio Lower Upper

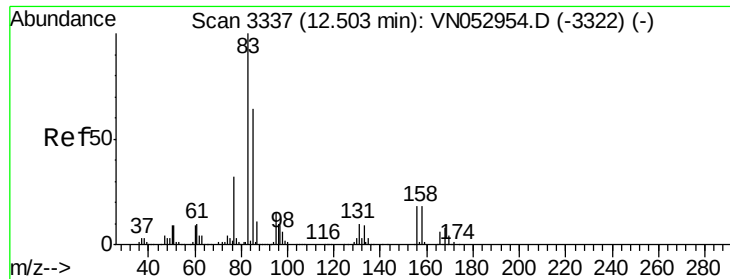
43 100

70 44.4 34.2 51.4

55 25.2 20.3 30.5

61 26.2 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 61.956 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

MSVOA_N

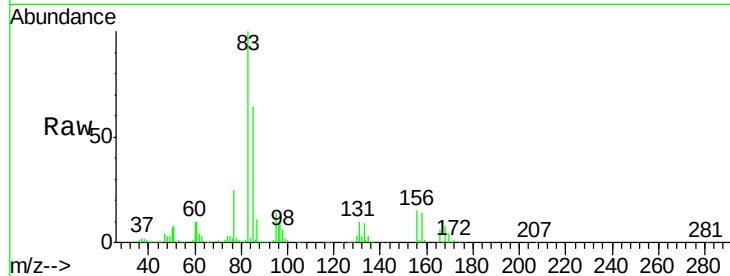
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	471653
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.2	15.6
85	64.4	32.4	97.0

Manual Integrations
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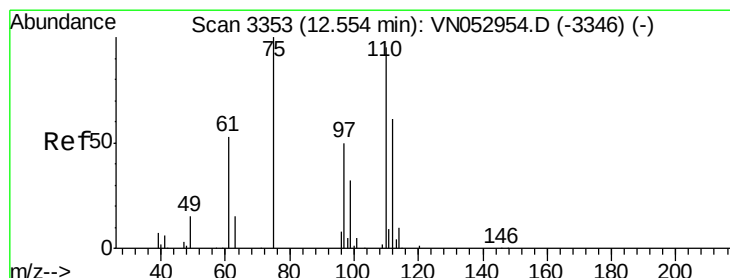
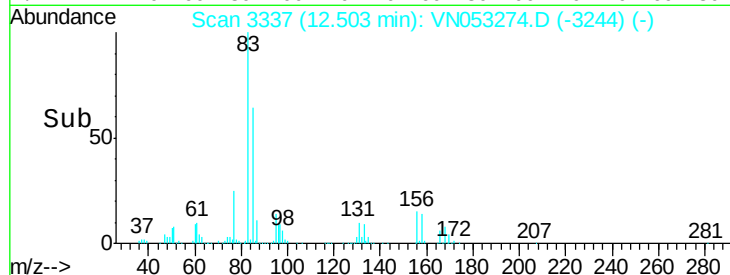
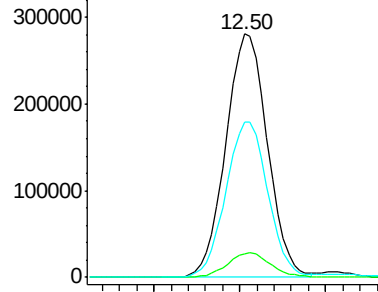
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VN053274.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN053274.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN053274.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 49.465 ug/l m

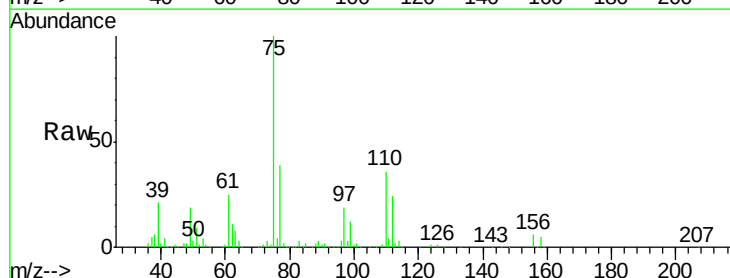
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053274.D

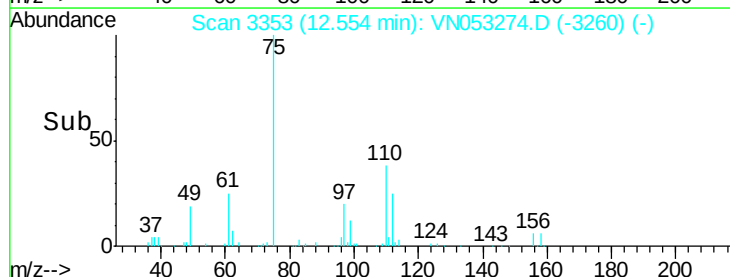
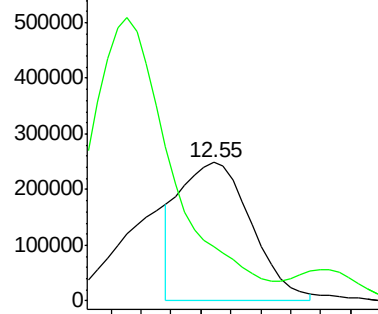
Acq: 3 Jan 2019 20:31

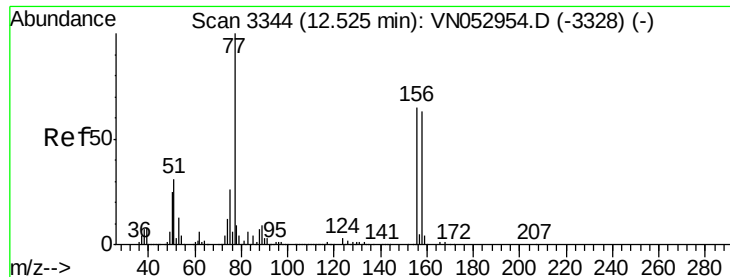
Tgt Ion:	75	Resp:	412978
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053274.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN053274.D (-3260) (-)





#77

Bromobenzene

Concen: 54.778 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

MSVOA_N

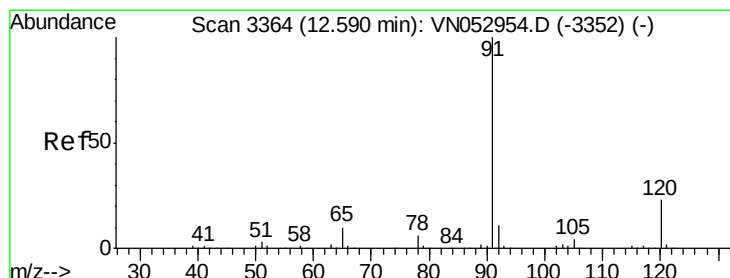
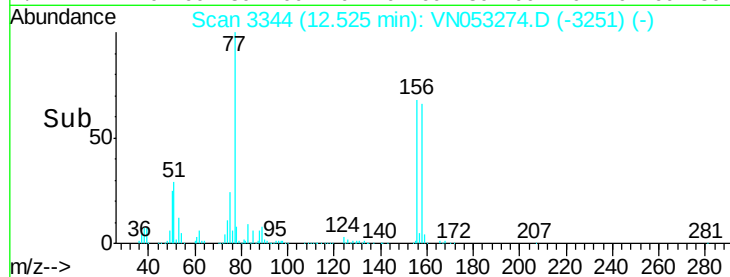
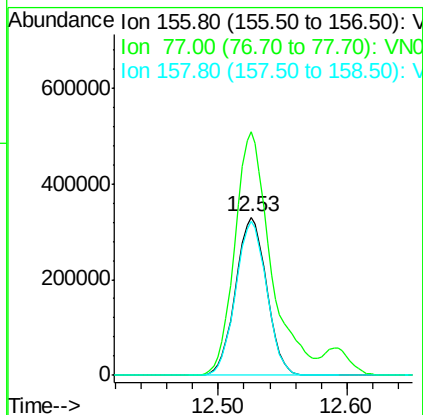
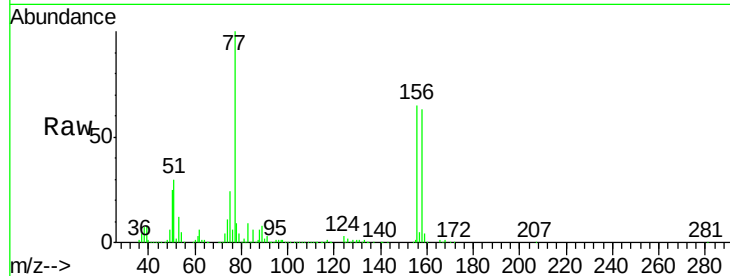
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	552540
Ion Ratio	Lower	Upper	
156	100		
77	179.1	91.3	273.8
158	97.3	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 53.361 ug/l

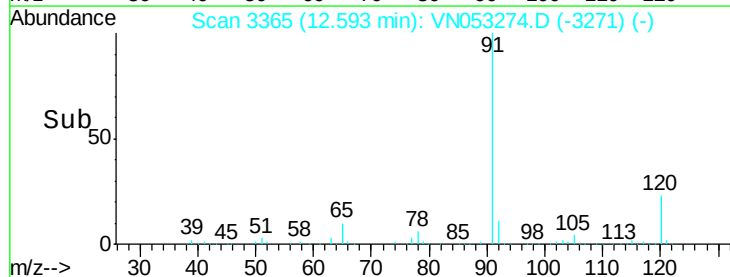
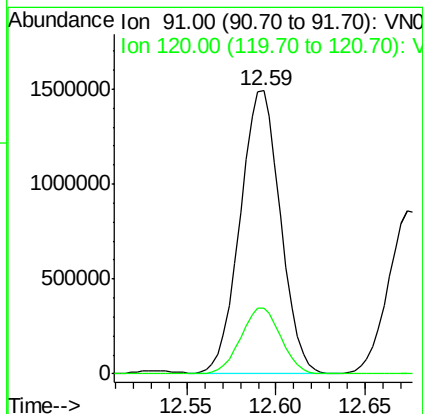
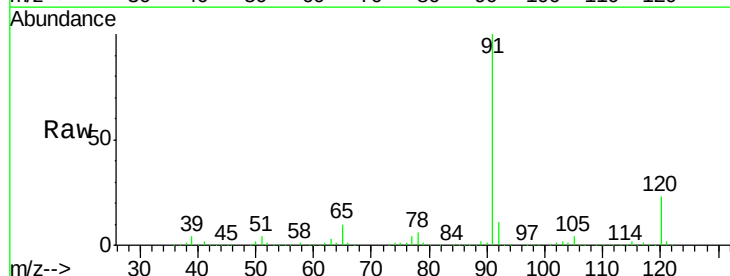
RT: 12.59 min Scan# 3365

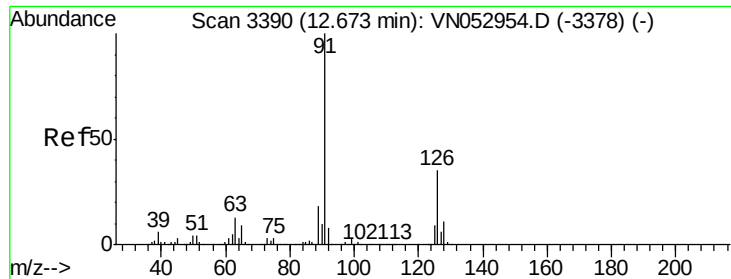
Delta R.T. 0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Tgt Ion:	91	Resp:	2358254
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.5	34.5





#79

2-Chlorotoluene

Concen: 51.810 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1419274

Ion Ratio Lower Upper

91 100

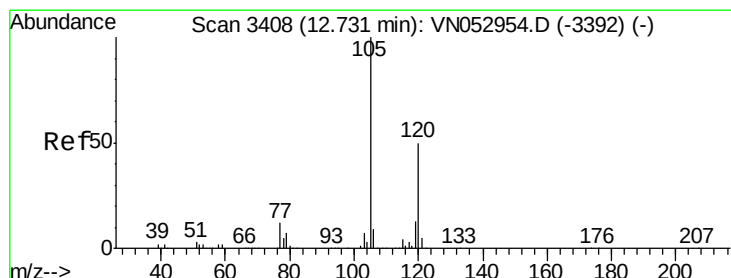
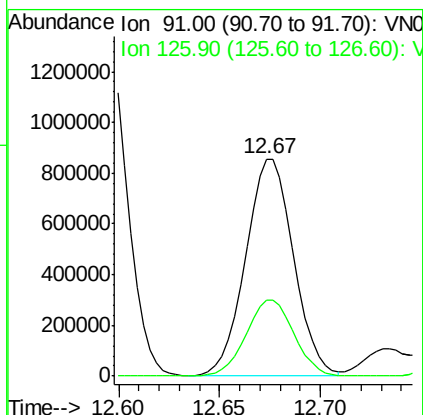
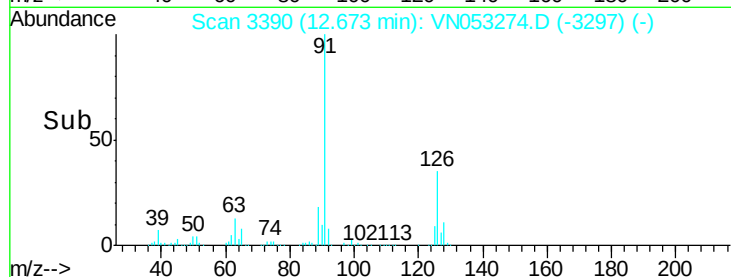
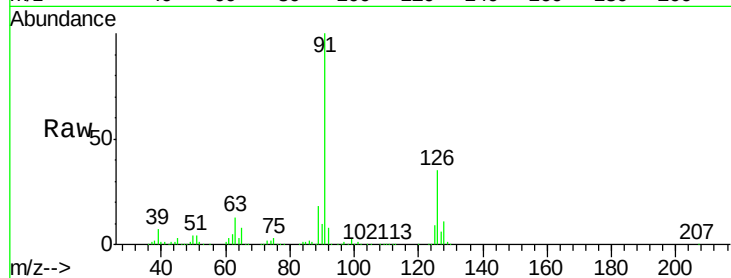
126 35.3 17.4 52.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 53.112 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053274.D

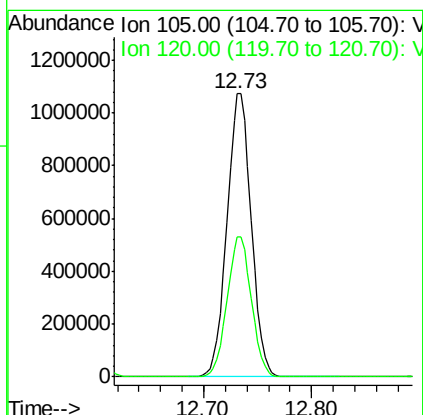
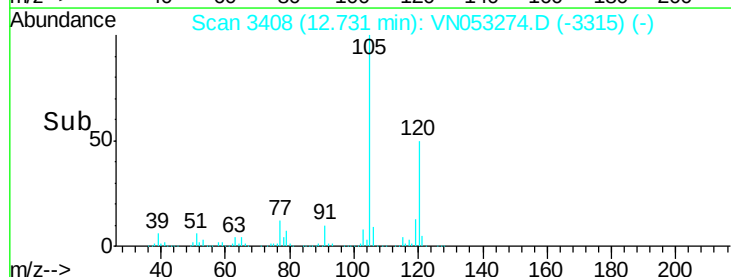
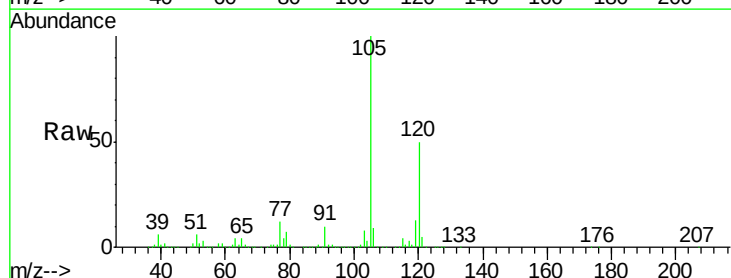
Acq: 3 Jan 2019 20:31

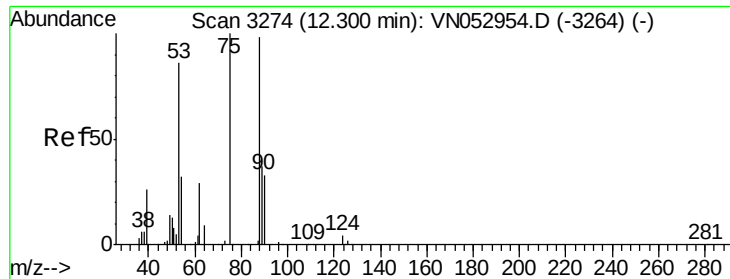
Tgt Ion: 105 Resp: 1679859

Ion Ratio Lower Upper

105 100

120 49.5 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 54.698 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 141686

Ion Ratio Lower Upper

75 100

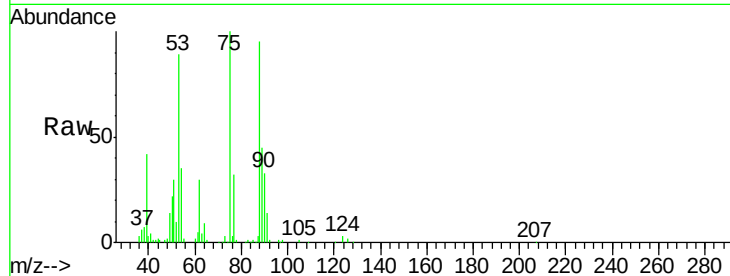
53 90.5 74.7 112.1

89 44.2 36.1 54.1

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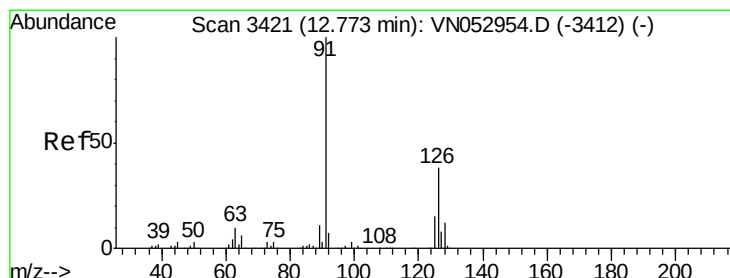
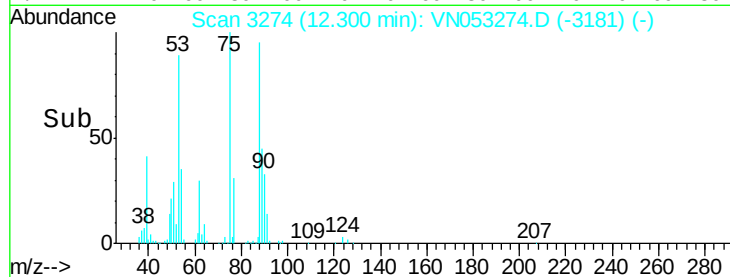
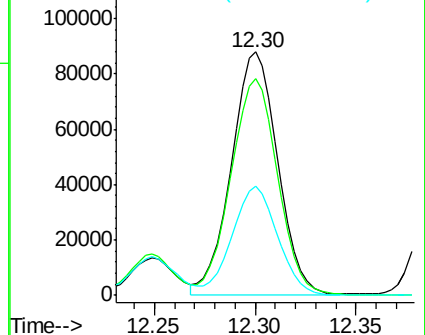
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Abundance Ion 74.90 (74.60 to 75.60): VN053274.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN053274.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN053274.D (-3181) (-)



#82

4-Chlorotoluene

Concen: 53.929 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053274.D

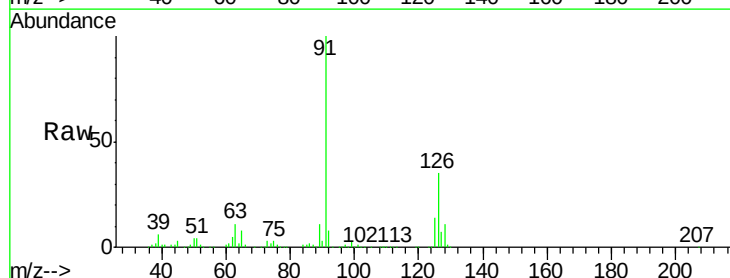
Acq: 3 Jan 2019 20:31

Tgt Ion: 91 Resp: 1446163

Ion Ratio Lower Upper

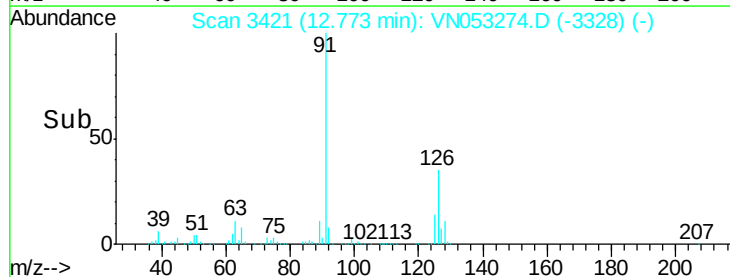
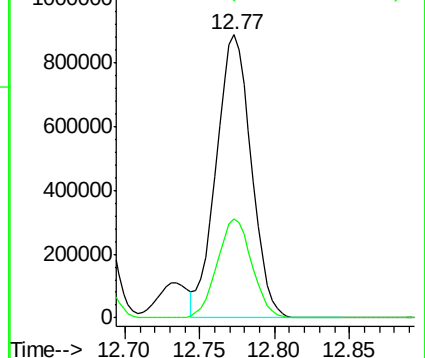
91 100

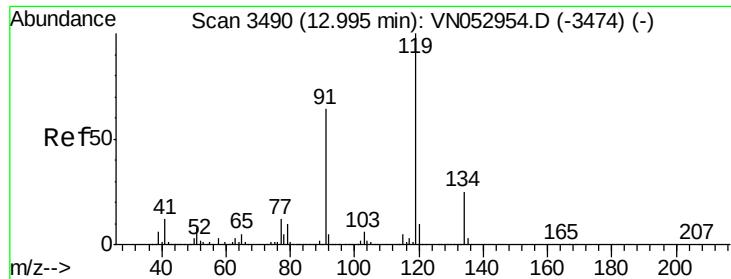
126 34.6 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VN053274.D (-3328) (-)

Ion 125.90 (125.60 to 126.60): VN053274.D (-3328) (-)





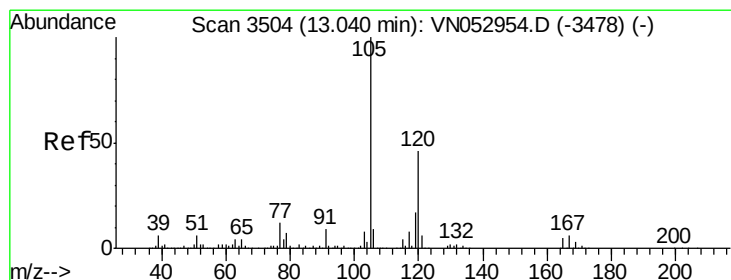
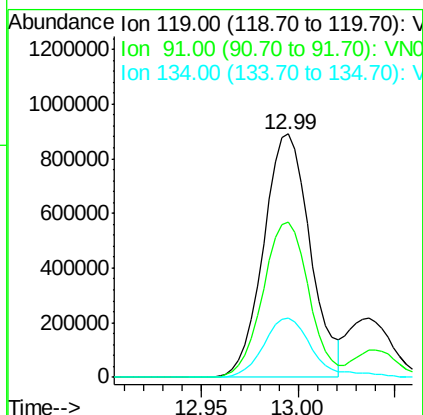
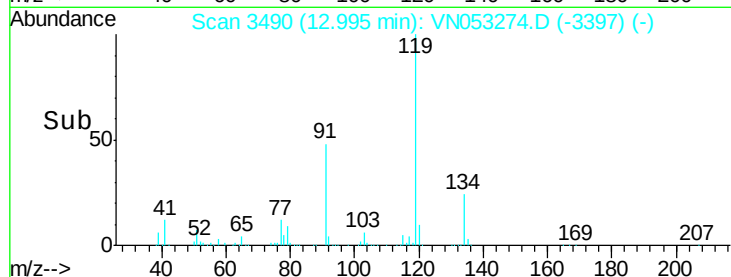
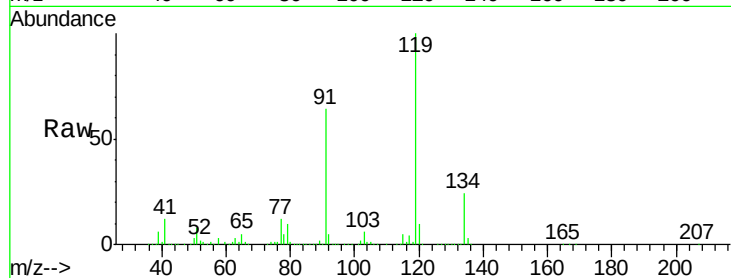
#83
 tert-Butylbenzene
 Concen: 53.371 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN053274.D
 Acq: 3 Jan 2019 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.6	31.9	95.5
134	25.6	12.8	38.4

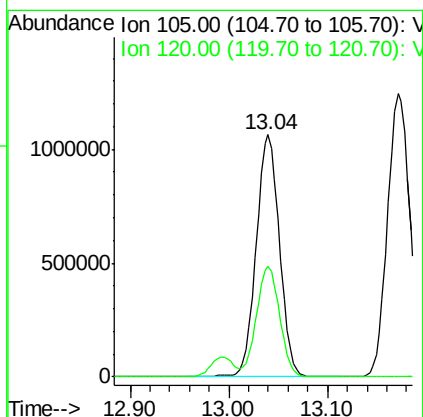
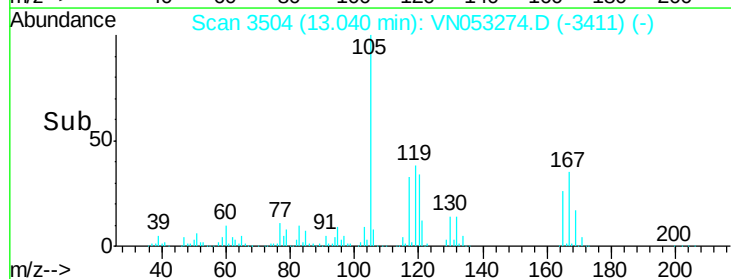
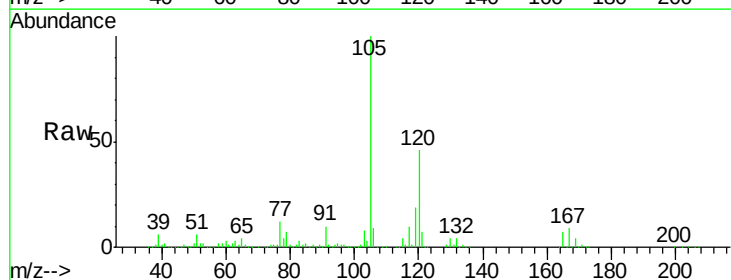
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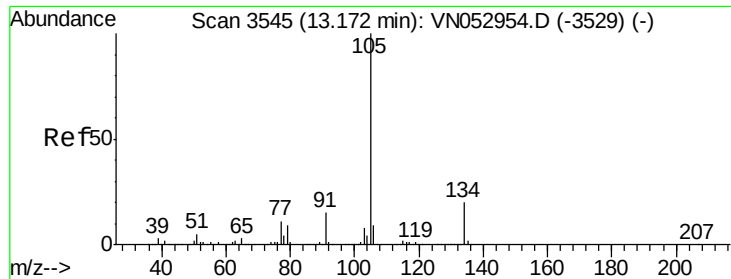
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.041 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053274.D
 Acq: 3 Jan 2019 20:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.9	68.8





#85

sec-Butylbenzene

Concen: 52.033 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion:105 Resp: 1968712

Ion Ratio Lower Upper

105 100

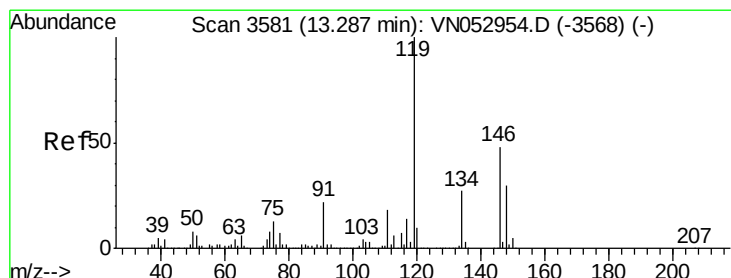
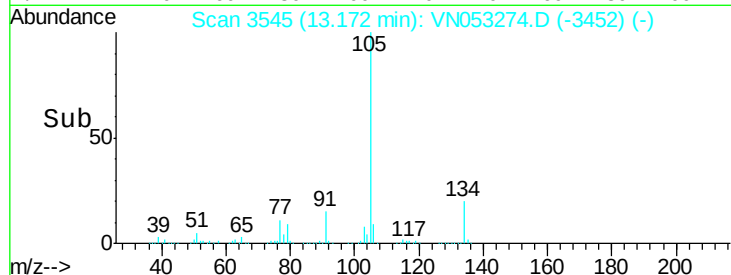
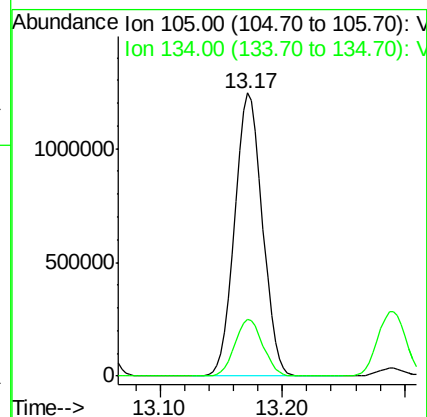
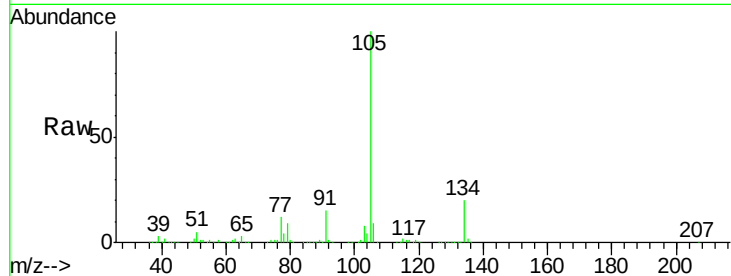
134 20.3 10.1 30.3

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#86

p-Isopropyltoluene

Concen: 52.350 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

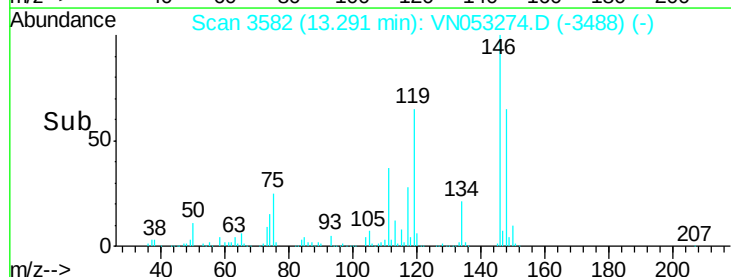
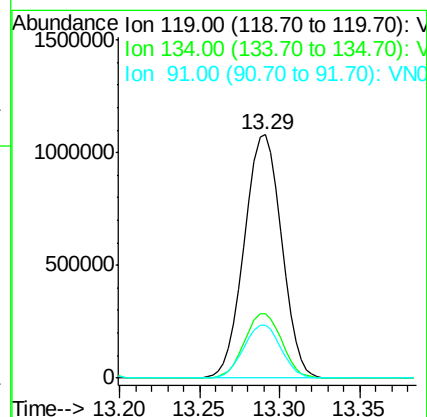
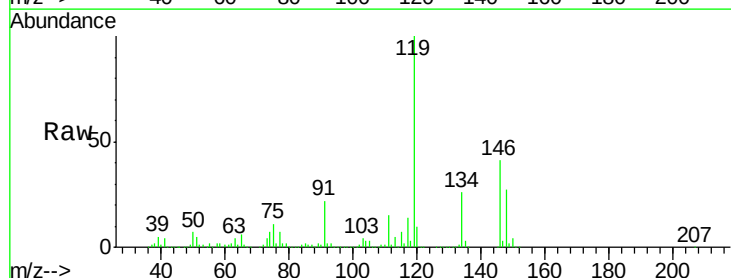
Tgt Ion:119 Resp: 1711505

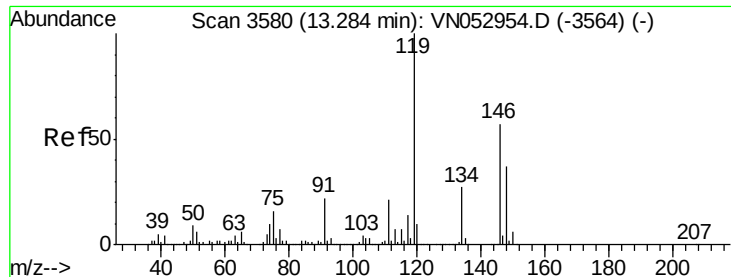
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

91 21.8 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 53.048 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

MSVOA_N

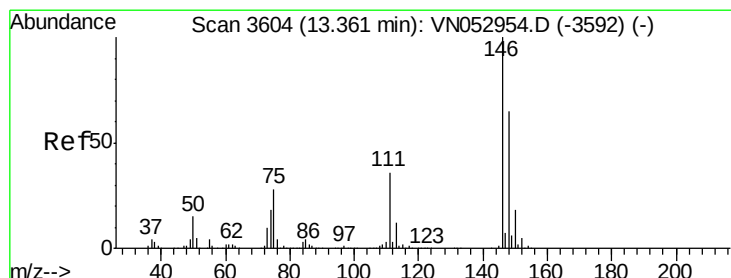
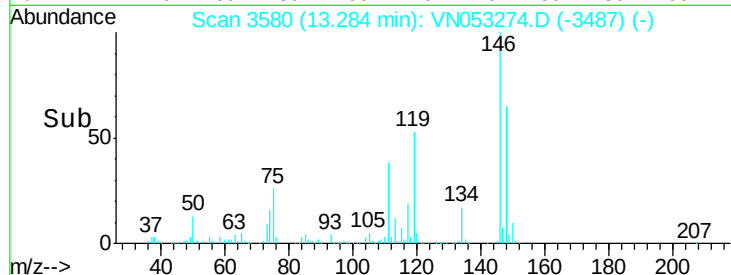
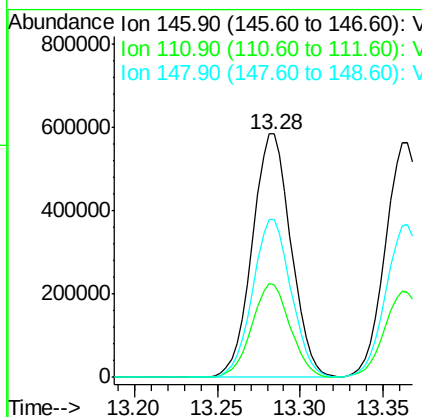
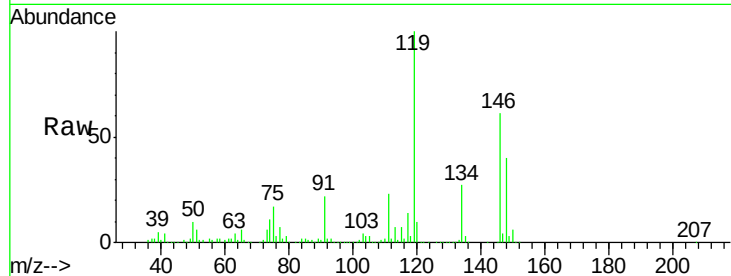
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	947040
Ion Ratio	Lower	Upper	
146	100		
111	38.1	19.1	57.1
148	64.6	32.0	96.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 51.407 ug/l

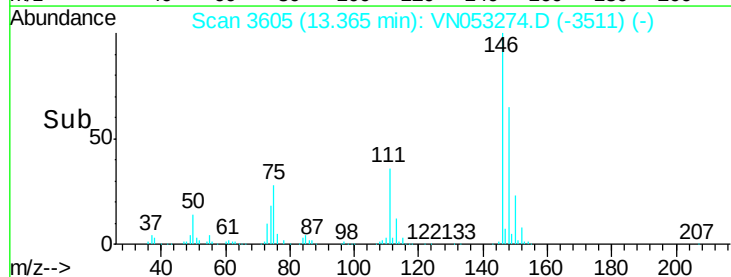
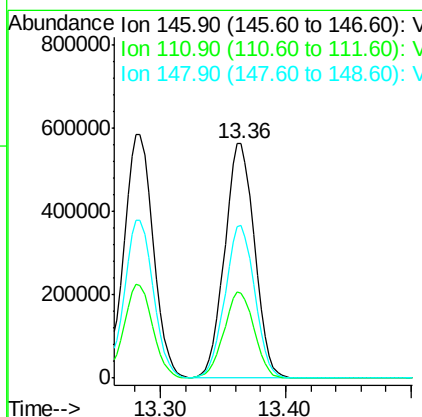
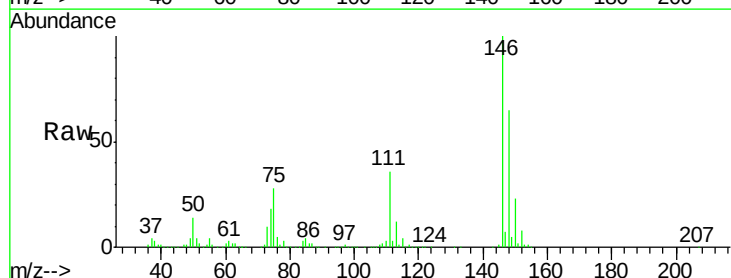
RT: 13.36 min Scan# 3605

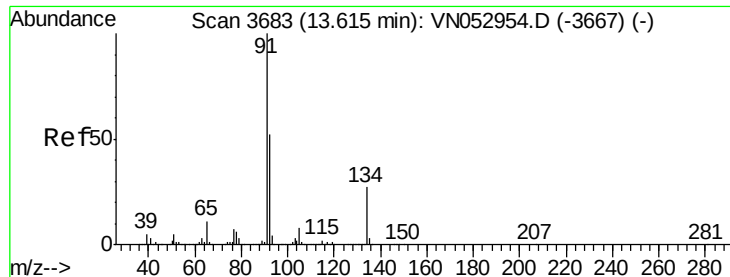
Delta R.T. 0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Tgt Ion:	146	Resp:	929383
Ion Ratio	Lower	Upper	
146	100		
111	36.9	18.6	55.8
148	64.5	32.1	96.5





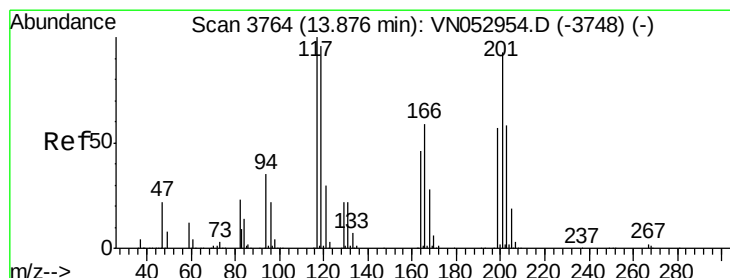
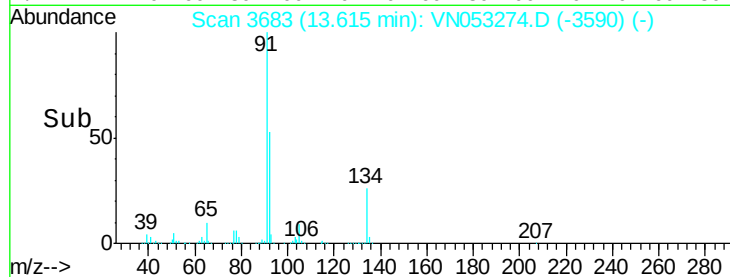
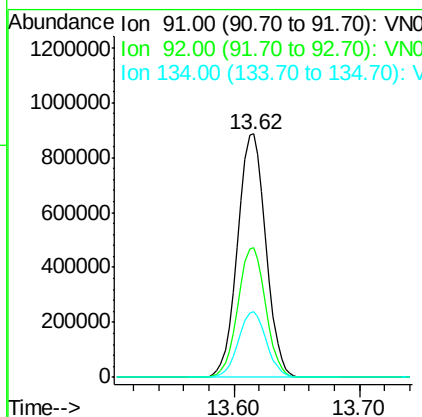
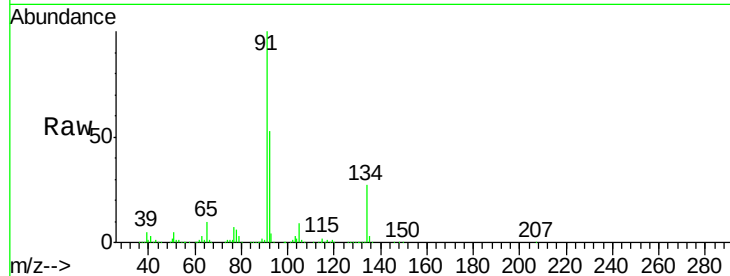
#89
n-Butylbenzene
Concen: 49.319 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1387177
Ion Ratio Lower Upper
91 100
92 52.6 26.3 78.9
134 26.7 13.3 39.8

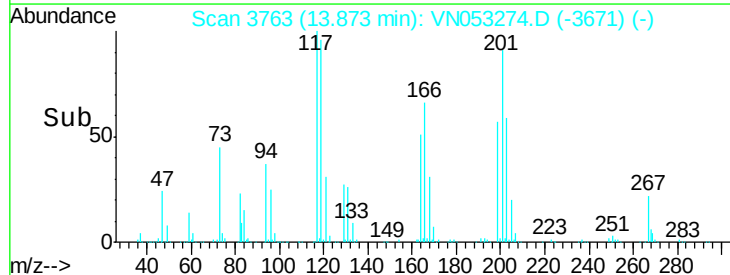
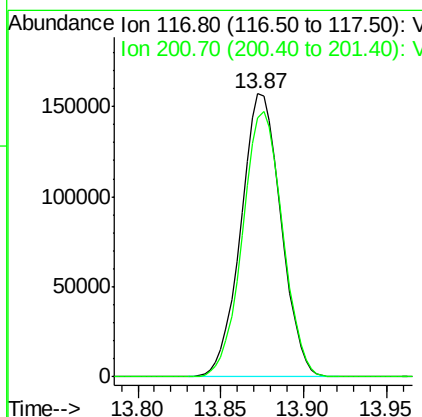
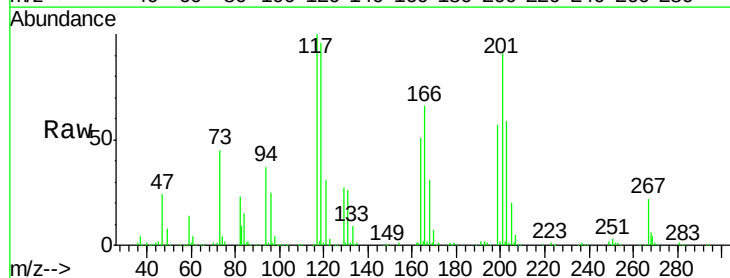
Manual Integrations
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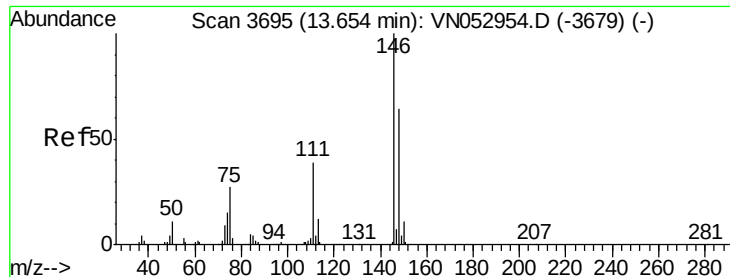
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#90
Hexachloroethane
Concen: 52.607 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Tgt Ion: 117 Resp: 263933
Ion Ratio Lower Upper
117 100
201 93.5 45.7 137.1





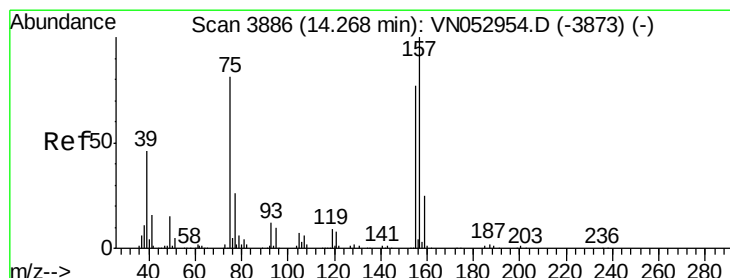
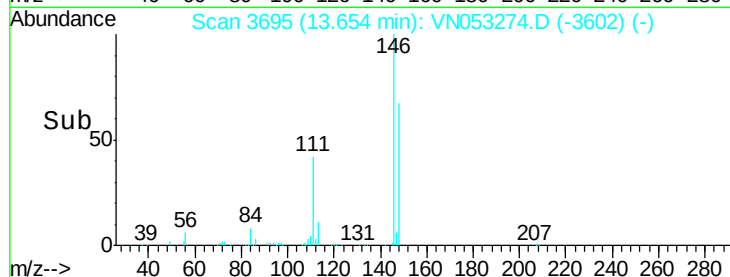
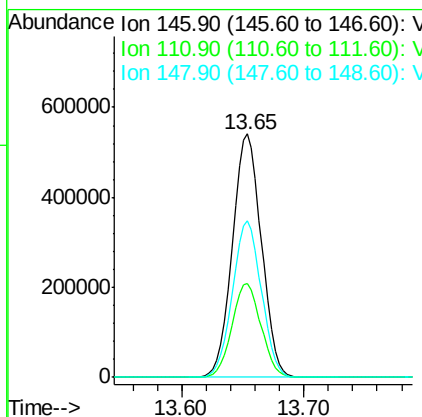
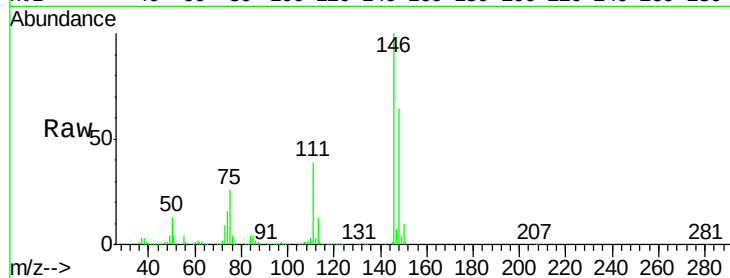
#91
 1,2-Dichlorobenzene
 Concen: 52.998 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053274.D
 Acq: 3 Jan 2019 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.0
148	64.2	32.0	96.0

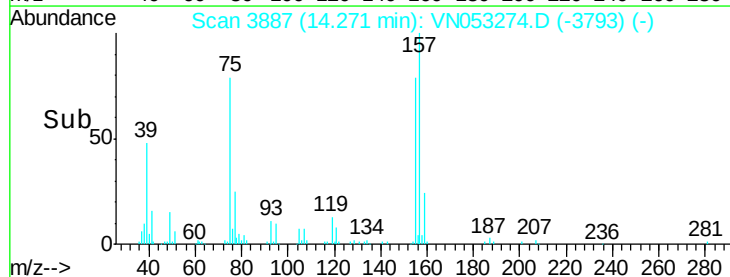
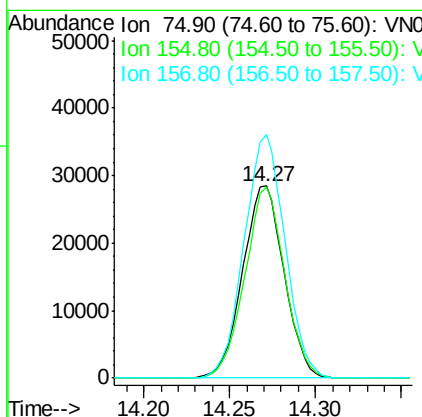
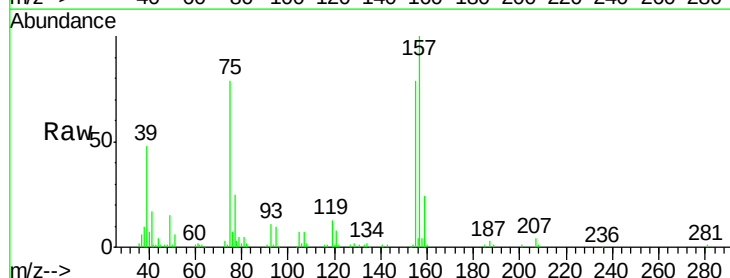
Manual Integrations
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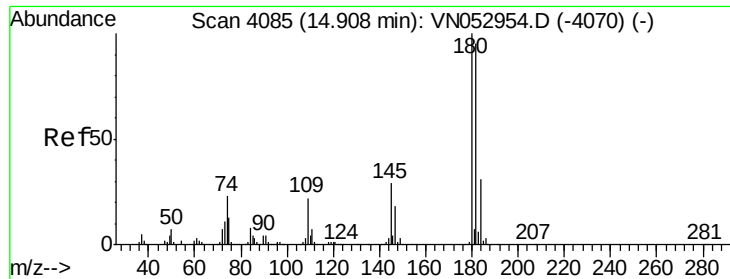
MMDadoda
 1/4/2019 12:39:06 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 36.132 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053274.D
 Acq: 3 Jan 2019 20:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.9	48.2	144.6
157	125.0	61.2	183.5





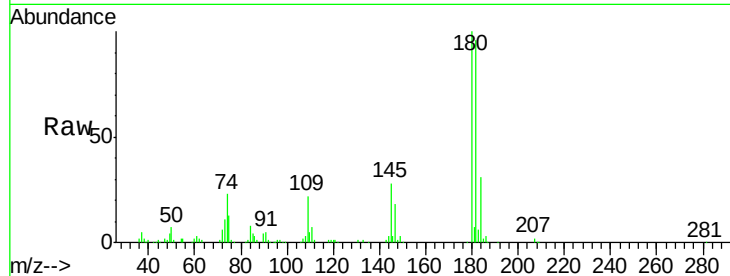
#93
 1,2,4-Trichlorobenzene
 Concen: 20.062 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053274.D
 Acq: 3 Jan 2019 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

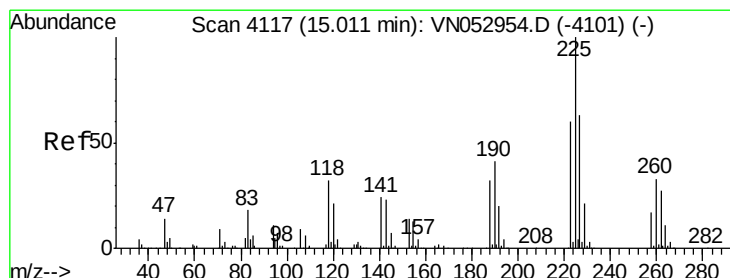
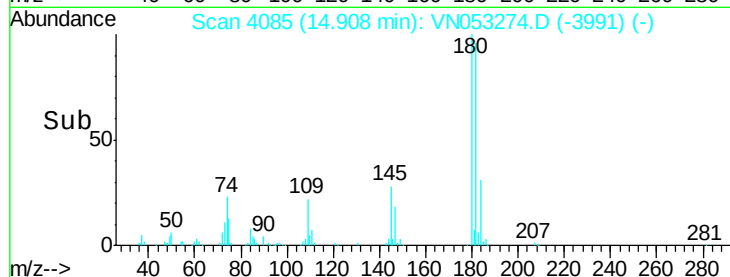
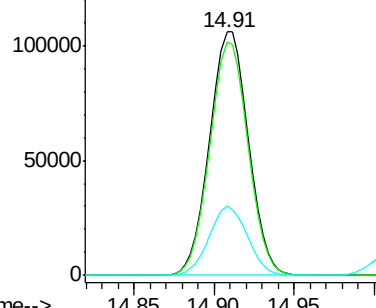
Tot Ion	Ratio	Resp	Lower	Upper
180	100	175369		
182	94.3	47.8	143.3	
145	28.2	14.2	42.6	

Manual Integrations
 APPROVED

MMDadoda
 1/4/2019 12:39:06 PM

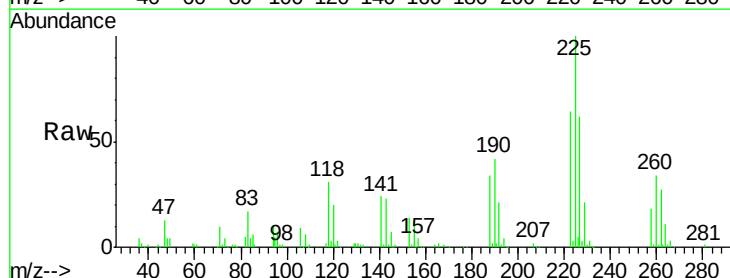


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

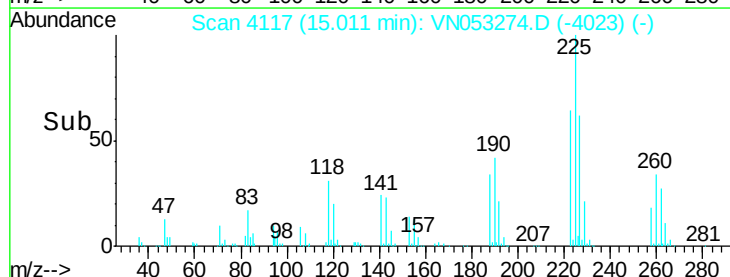
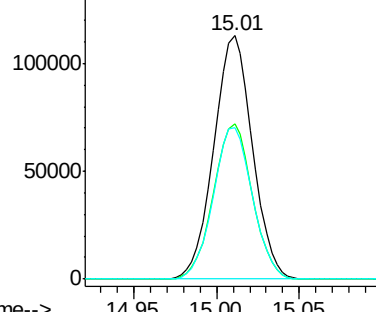


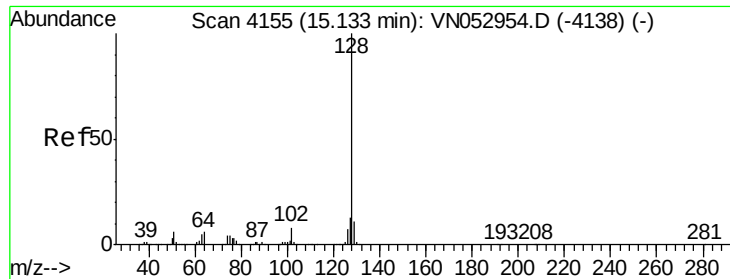
#94
 Hexachlorobutadiene
 Concen: 39.004 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053274.D
 Acq: 3 Jan 2019 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	182684		
223	64.3	31.5	94.5	
227	63.3	31.9	95.7	



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





#95

Naphthalene

Concen: 15.730 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

MSVOA_N

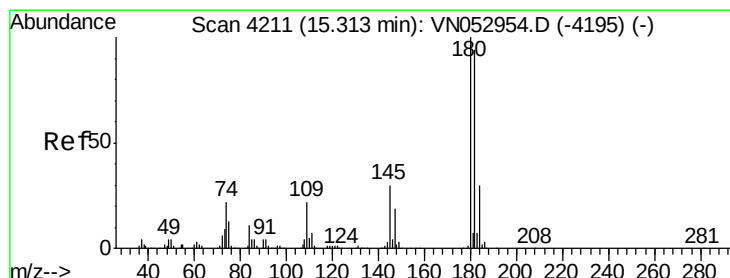
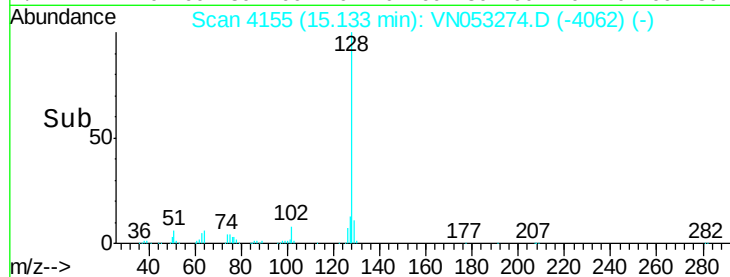
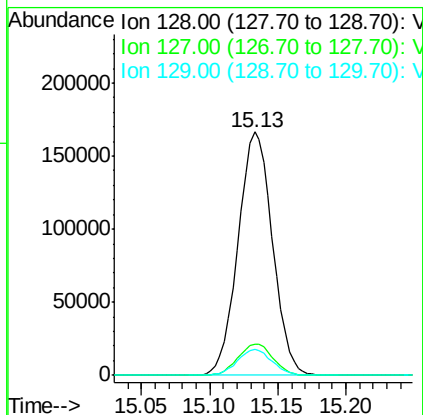
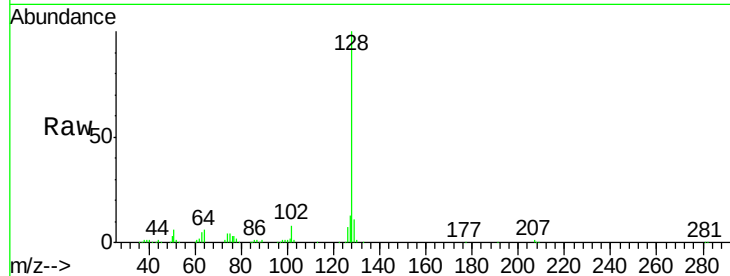
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	291039
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.2	15.4
129	10.6	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/4/2019 12:39:06 PM



#96

1,2,3-Trichlorobenzene

Concen: 12.902 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Tgt Ion:	180	Resp:	100375
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.9	143.7
145	30.8	15.0	45.0

