

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012219\
 Data File : VN053524.D
 Acq On : 22 Jan 2019 17:22
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/23/2019 11:00:58 AM

Quant Time: Jan 23 04:04:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	732503	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1092065	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	985764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	499739	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	375968	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
35) Dibromofluoromethane	7.59	113	337804	54.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.40%	
50) Toluene-d8	10.09	98	1340866	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
62) 4-Bromofluorobenzene	12.40	95	470721	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	279689	47.491	ug/l	98
3) Chloromethane	2.06	50	383535	45.549	ug/l	99
4) Vinyl Chloride	2.19	62	385446	47.488	ug/l	100
5) Bromomethane	2.57	94	267397	48.013	ug/l	98
6) Chloroethane	2.71	64	237624	48.422	ug/l	99
7) Trichlorofluoromethane	3.02	101	540499	50.910	ug/l	99
8) Diethyl Ether	3.41	74	214128	53.700	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	341215	50.748	ug/l	98
10) Methyl Iodide	3.96	142	511194	49.752	ug/l	99
11) Tert butyl alcohol	4.77	59	128221	361.929	ug/l #	87
12) 1,1-Dichloroethene	3.74	96	328642	50.393	ug/l	100
13) Acrolein	3.61	56	222251	314.995	ug/l	97
14) Allyl chloride	4.33	41	518247	48.923	ug/l	95
15) Acrylonitrile	4.99	53	672295	288.353	ug/l	99
16) Acetone	3.81	43	485790	285.985	ug/l	99
17) Carbon Disulfide	4.06	76	905699	45.924	ug/l	99
18) Methyl Acetate	4.32	43	331062	57.847	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	962381	55.539	ug/l	99
20) Methylene Chloride	4.55	84	381352	49.173	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	354636	50.864	ug/l	98
22) Diisopropyl ether	5.95	45	1175530	53.157	ug/l	99
23) Vinyl Acetate	5.90	43	3838739	282.387	ug/l	99
24) 1,1-Dichloroethane	5.85	63	680804	52.077	ug/l	100
25) 2-Butanone	6.83	43	763904	291.829	ug/l	99
26) 2,2-Dichloropropane	6.82	77	503897	51.051	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	417014	52.304	ug/l	100
28) Bromochloromethane	7.19	49	291263	50.573	ug/l	99
29) Tetrahydrofuran	7.21	42	505335	296.542	ug/l	99
30) Chloroform	7.37	83	668401	52.476	ug/l	98
31) Cyclohexane	7.65	56	606976	47.699	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	560138	51.841	ug/l	99
36) 1,1-Dichloropropene	7.79	75	506267	50.904	ug/l	99
37) Ethyl Acetate	6.93	43	329292	57.549	ug/l	99
38) Carbon Tetrachloride	7.77	117	493982	52.463	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	619980	50.435	ug/l	99
40) Benzene	8.04	78	1562278	51.692	ug/l	100
41) Methacrylonitrile	7.18	41	182119m	53.516	ug/l	
42) 1,2-Dichloroethane	8.12	62	471696	53.573	ug/l	100
43) Isopropyl Acetate	8.16	43	593348	57.669	ug/l	100
44) Trichloroethene	8.83	130	434640	51.859	ug/l	100
45) 1,2-Dichloropropane	9.12	63	415399	51.892	ug/l	100
46) Dibromomethane	9.21	93	247906	53.902	ug/l	99
47) Bromodichloromethane	9.40	83	516883	53.441	ug/l	98
48) Methyl methacrylate	9.20	41	299233	56.328	ug/l	98
49) 1,4-Dioxane	9.20	88	79731	1536.786	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1687609	300.469	ug/l	100
52) Toluene	10.16	92	973721	51.896	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	531931	54.258	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	624990	54.383	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	356382	55.093	ug/l	99
56) Ethyl methacrylate	10.43	69	473364	51.499	ug/l	100
57) 1,3-Dichloropropane	10.71	76	616130	55.059	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1197675	264.651	ug/l	99
59) 2-Hexanone	10.75	43	1168069	296.255	ug/l	100
60) Dibromochloromethane	10.90	129	404233	55.095	ug/l	99
61) 1,2-Dibromoethane	11.00	107	357538	54.651	ug/l	99
64) Tetrachloroethene	10.63	164	486215	52.339	ug/l	100
65) Chlorobenzene	11.43	112	1087592	52.124	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	395011	54.419	ug/l	99
67) Ethyl Benzene	11.51	91	1870416	52.600	ug/l	100
68) m/p-Xylenes	11.62	106	1432651	106.709	ug/l	100
69) o-Xylene	11.95	106	696696	53.404	ug/l	99
70) Styrene	11.96	104	1164838	55.016	ug/l	100
71) Bromoform	12.13	173	289019	57.836	ug/l #	99
73) Isopropylbenzene	12.25	105	1860765	50.846	ug/l	100
74) N-amyl acetate	12.07	43	539415	55.292	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	407165	53.049	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	426910m	64.825	ug/l	
77) Bromobenzene	12.53	156	487101	50.512	ug/l	99
78) n-propylbenzene	12.59	91	2154463	51.287	ug/l	100
79) 2-Chlorotoluene	12.67	91	1249173	50.168	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1547886	51.985	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	129995	49.958	ug/l	97
82) 4-Chlorotoluene	12.77	91	1277048	50.292	ug/l	100
83) tert-Butylbenzene	12.99	119	1375775	52.314	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1579590	52.613	ug/l	100
85) sec-Butylbenzene	13.17	105	1872586	51.920	ug/l	100
86) p-Isopropyltoluene	13.29	119	1651363	52.731	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	871659	51.387	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	869594	51.107	ug/l	99
89) n-Butylbenzene	13.61	91	1391986	52.145	ug/l	99
90) Hexachloroethane	13.87	117	260879	53.116	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	846922	54.270	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	65893	67.708	ug/l	98

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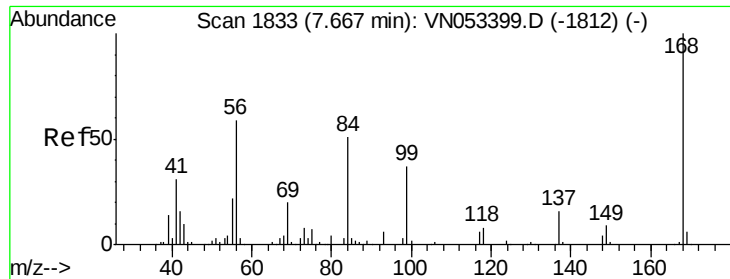
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	406455	58.530	ug/l	99
94) Hexachlorobutadiene	15.01	225	279626	57.440	ug/l	100
95) Naphthalene	15.13	128	737262	60.159	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	305571	59.817	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: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 732503

Ion Ratio Lower Upper

168 100

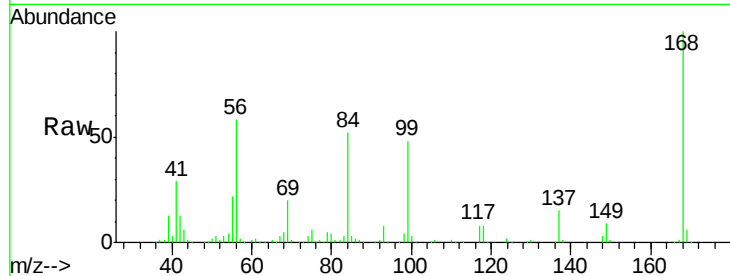
99 47.9 39.1 58.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

300000

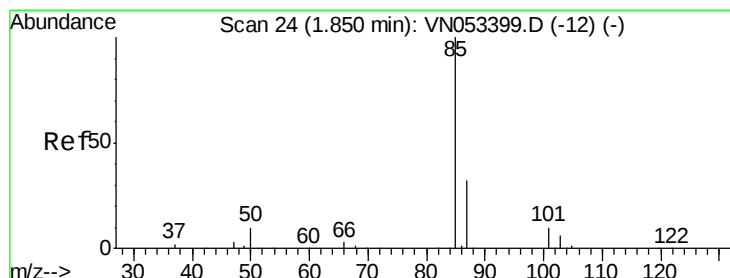
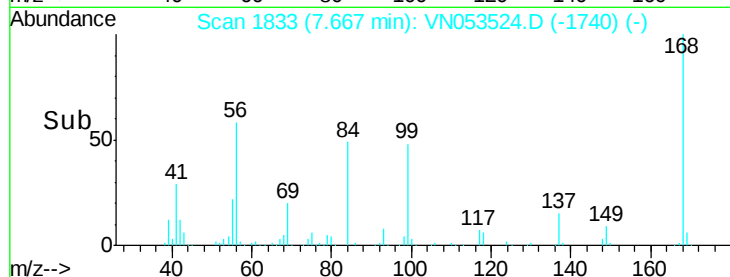
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 47.491 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053524.D

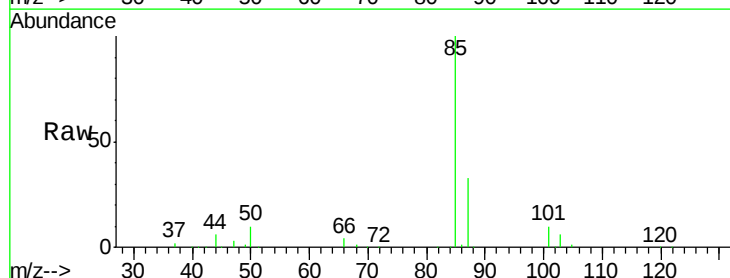
Acq: 22 Jan 2019 17:22

Tgt Ion: 85 Resp: 279689

Ion Ratio Lower Upper

85 100

87 33.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

200000

150000

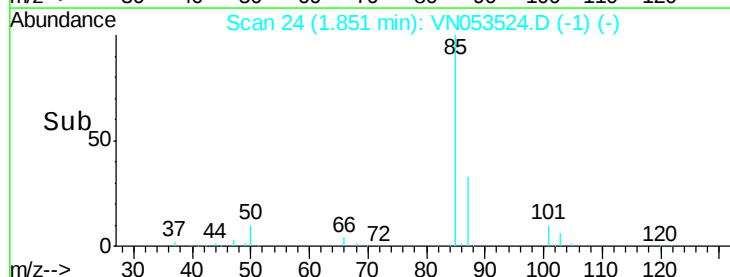
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50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 45.549 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 383535

Ion Ratio Lower Upper

50 100

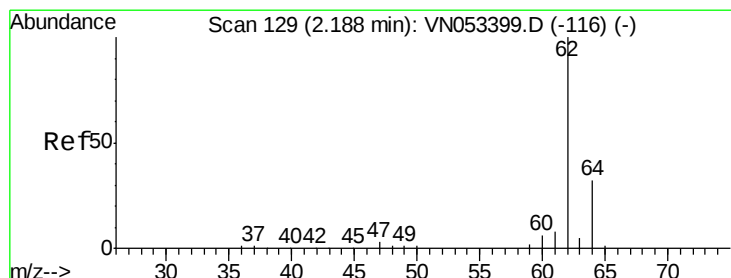
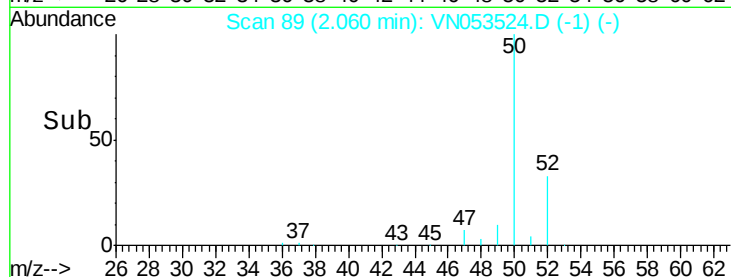
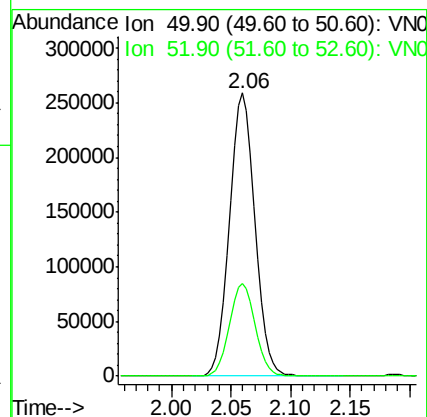
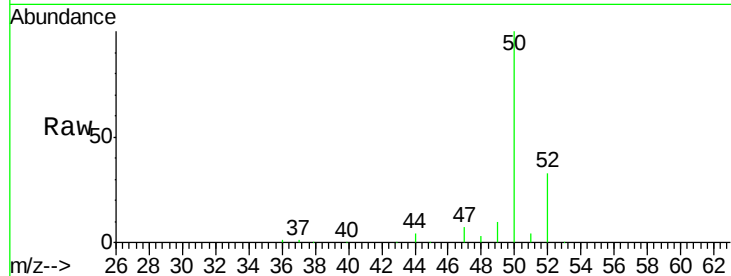
52 32.9 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.488 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053524.D

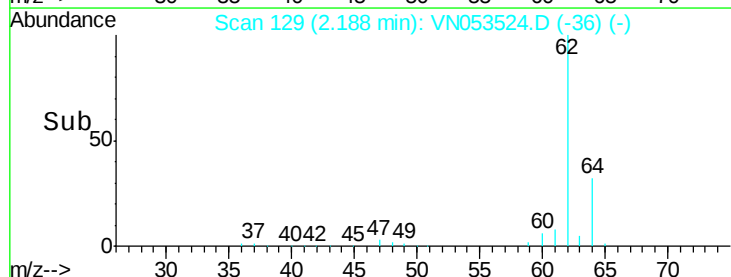
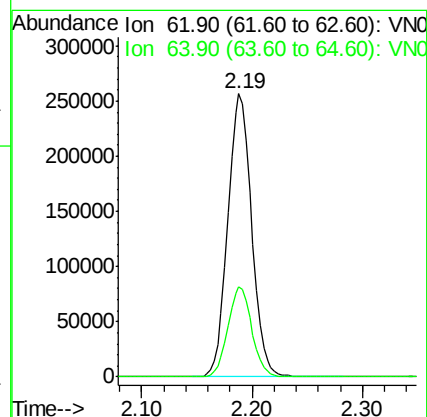
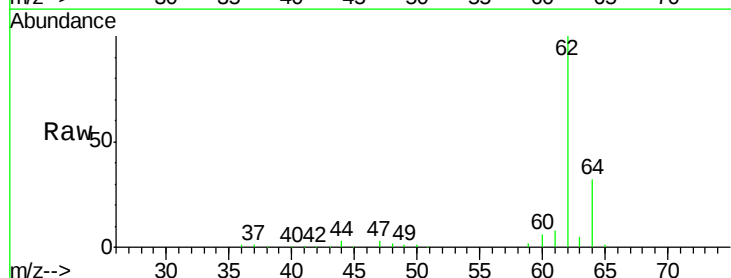
Acq: 22 Jan 2019 17:22

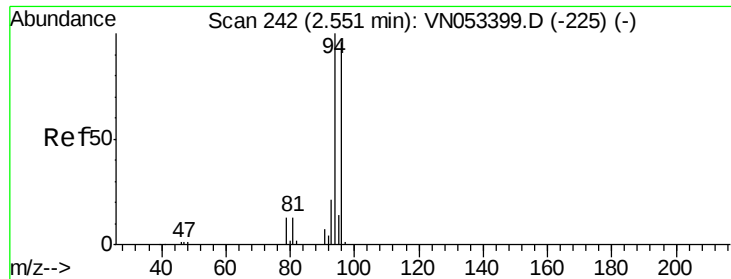
Tgt Ion: 62 Resp: 385446

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.2





#5

Bromomethane

Concen: 48.013 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.02 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 267397

Ion Ratio Lower Upper

94 100

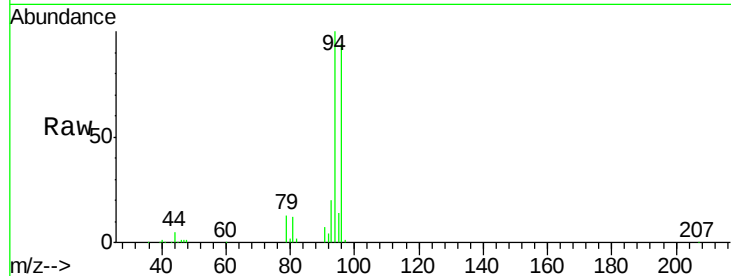
96 93.7 76.8 115.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN053399.D (-225) (-)

Ion 95.90 (95.60 to 96.60): VN053399.D (-225) (-)

2.57

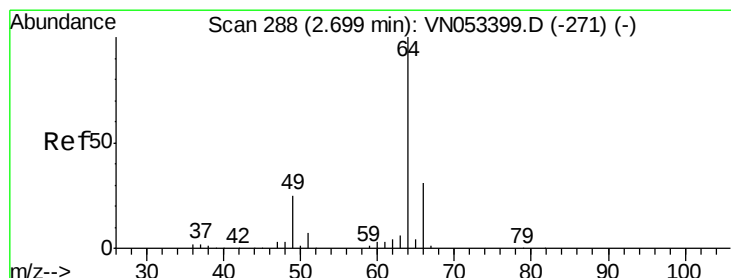
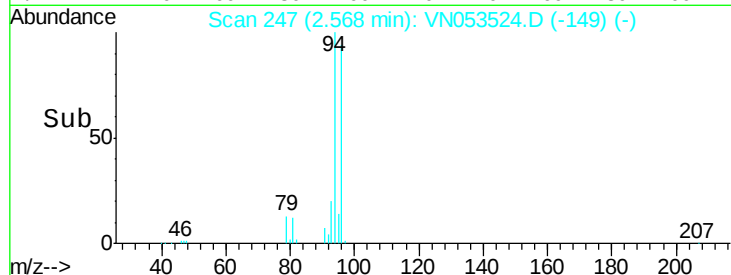
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 48.422 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN053524.D

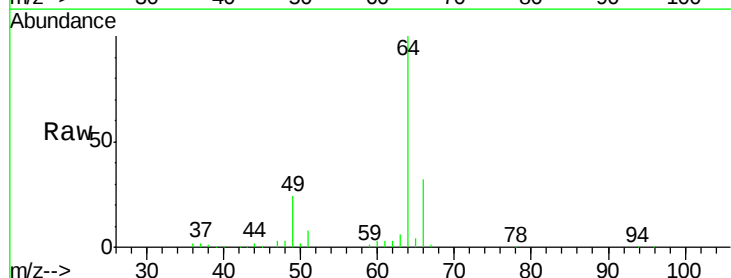
Acq: 22 Jan 2019 17:22

Tgt Ion: 64 Resp: 237624

Ion Ratio Lower Upper

64 100

66 32.1 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN053399.D (-271) (-)

Ion 65.90 (65.60 to 66.60): VN053399.D (-271) (-)

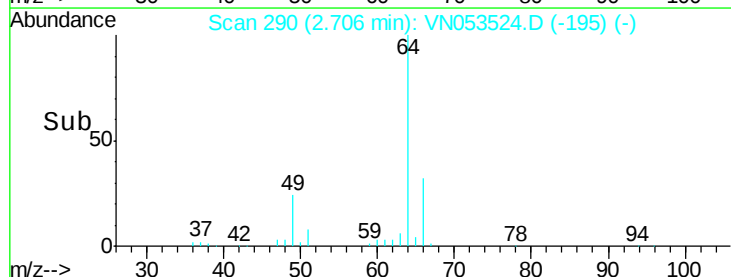
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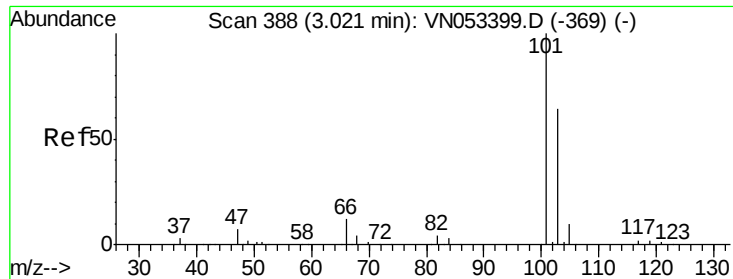
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50000

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Time-->





#7

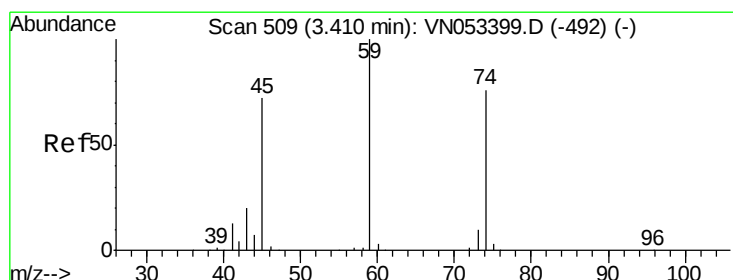
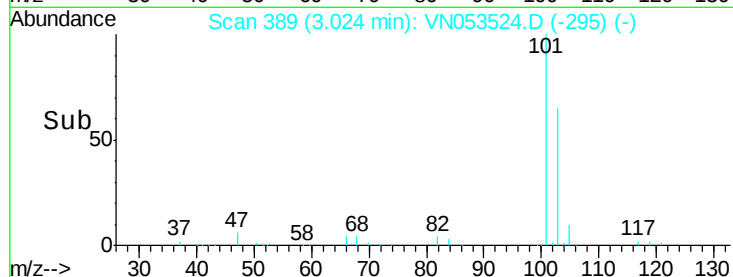
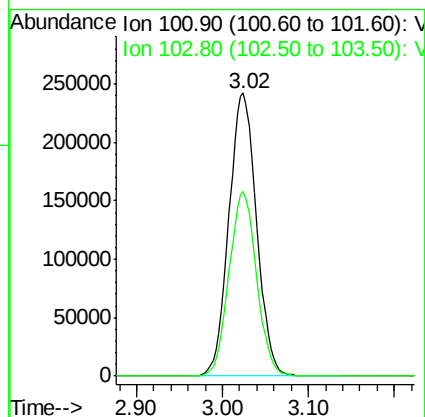
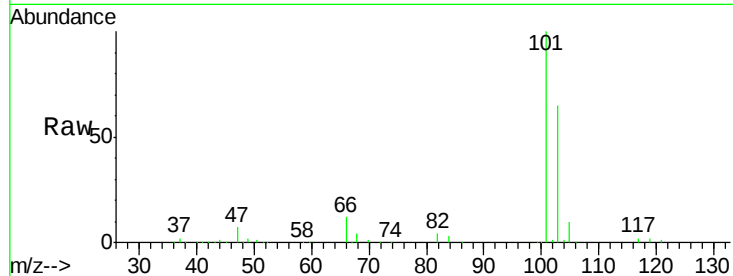
Trichlorofluoromethane
Concen: 50.910 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053524.D
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ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 540499
Ion Ratio Lower Upper
101 100
103 65.4 51.6 77.4

Manual Integrations
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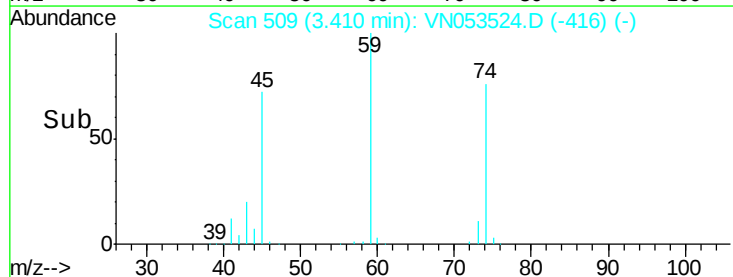
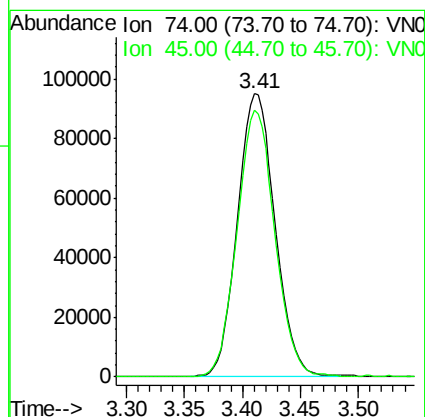
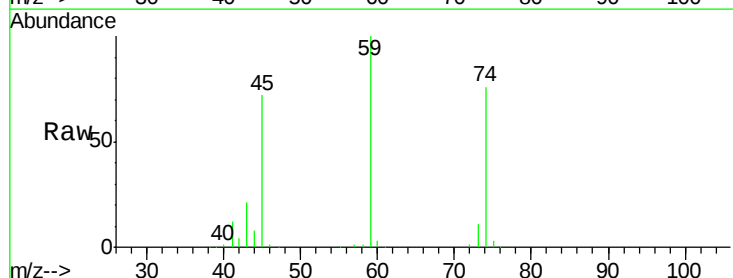
MMDadoda
1/23/2019 11:00:58 AM

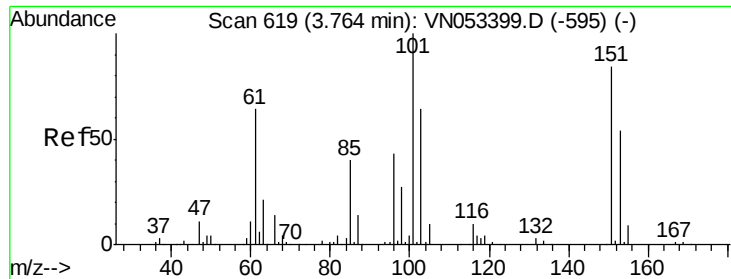


#8

Diethyl Ether
Concen: 53.700 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Tgt Ion: 74 Resp: 214128
Ion Ratio Lower Upper
74 100
45 94.8 47.9 143.7





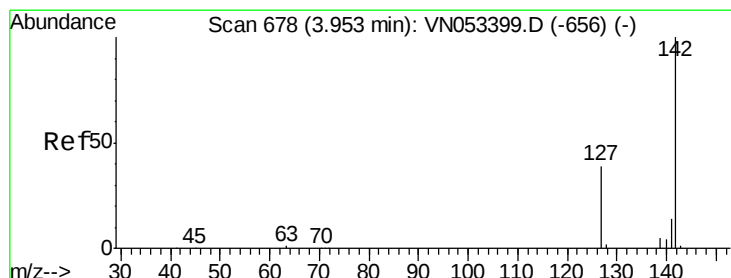
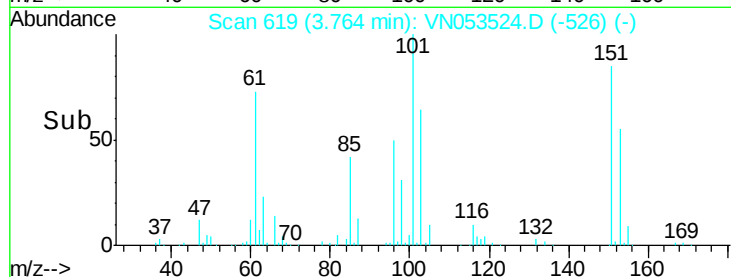
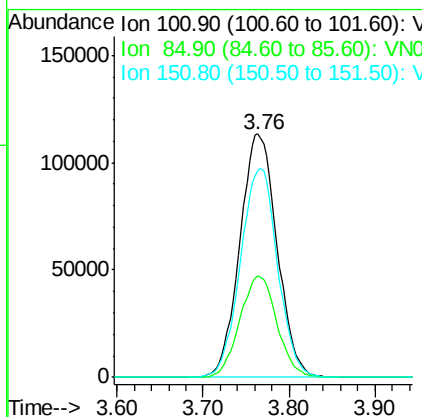
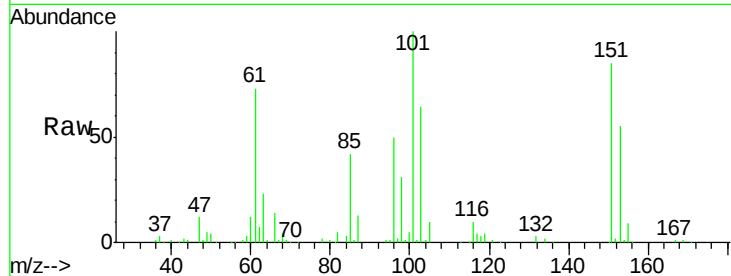
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 50.748 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VN053524.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	341215		
85	41.6	32.8	49.2	
151	85.8	66.9	100.3	

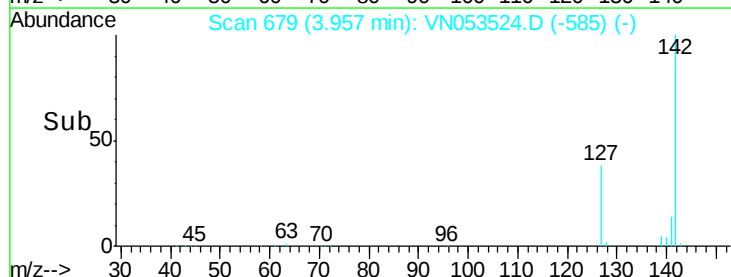
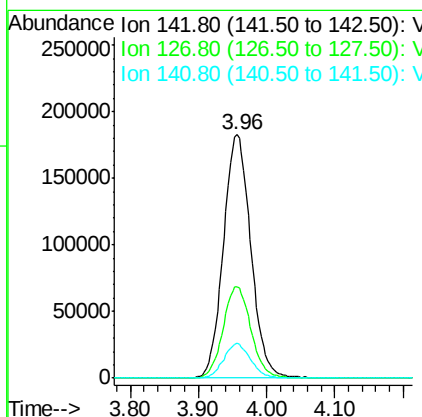
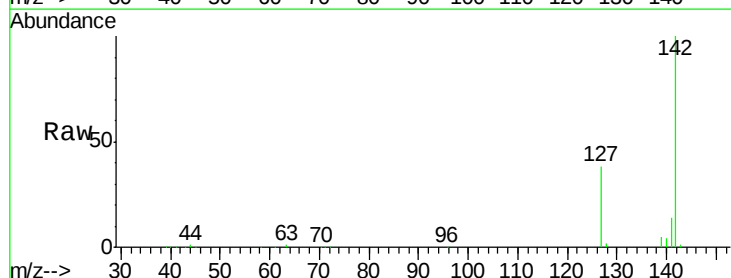
Manual Integrations
 APPROVED

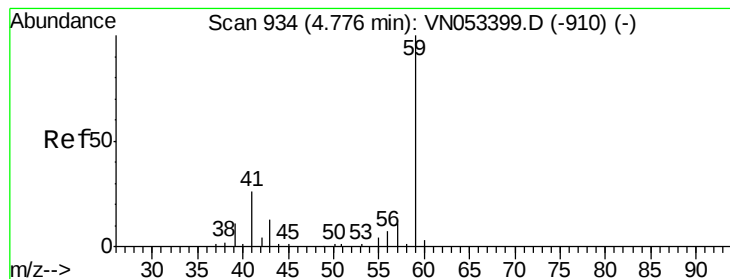
MMDadoda
 1/23/2019 11:00:58 AM



#10
 Methyl Iodide
 Concen: 49.752 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN053524.D
 Acq: 22 Jan 2019 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	511194		
127	38.1	31.0	46.4	
141	13.9	11.1	16.7	





#11

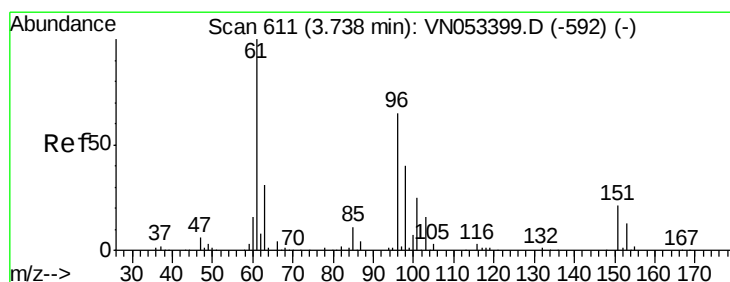
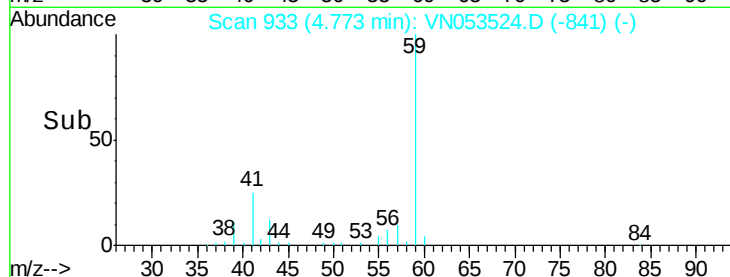
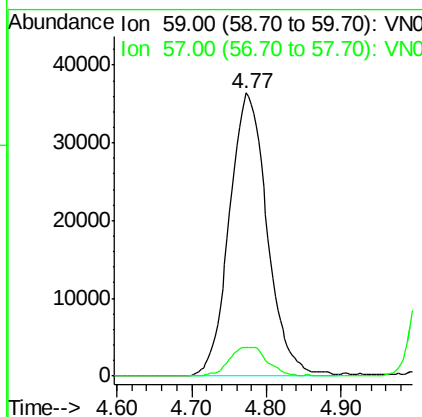
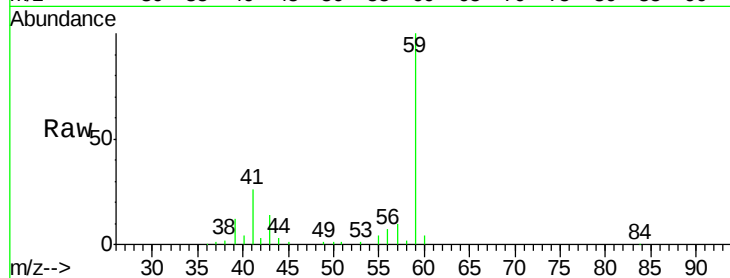
Tert butyl alcohol
Concen: 361.929 ug/l
RT: 4.77 min Scan# 933
Delta R.T. -0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.5	8.2	12.4#

Manual Integrations
APPROVED

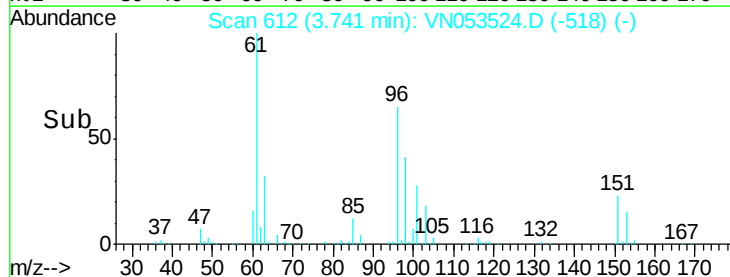
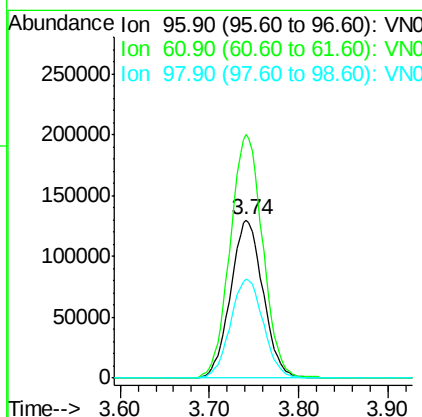
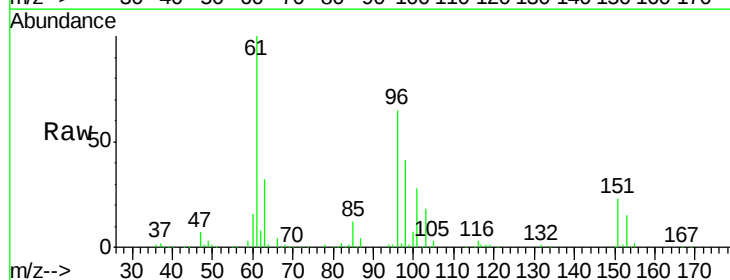
MMDadoda
1/23/2019 11:00:58 AM

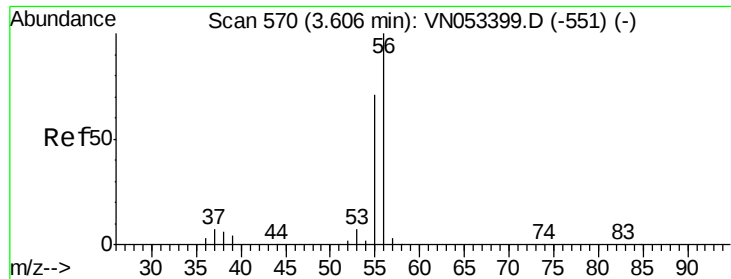


#12

1,1-Dichloroethene
Concen: 50.393 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.8	122.9	184.3
98	62.6	49.4	74.0





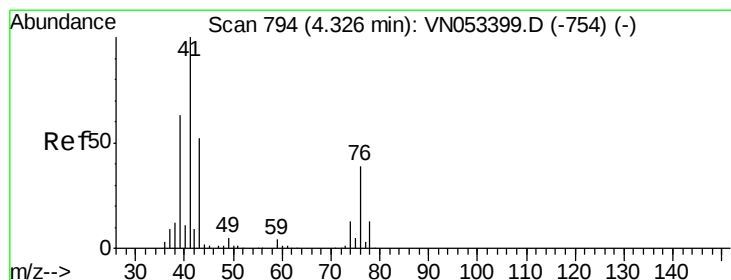
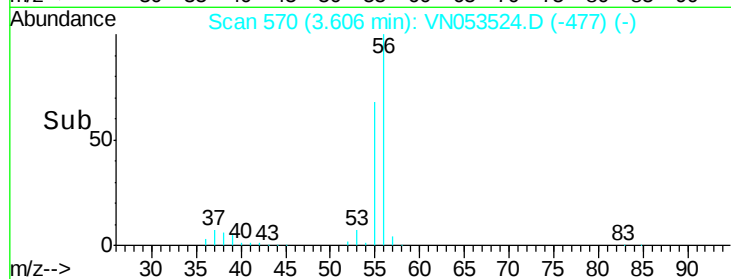
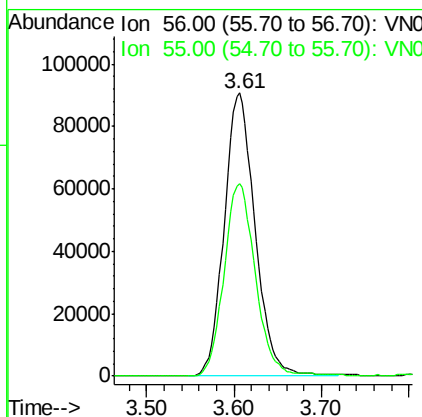
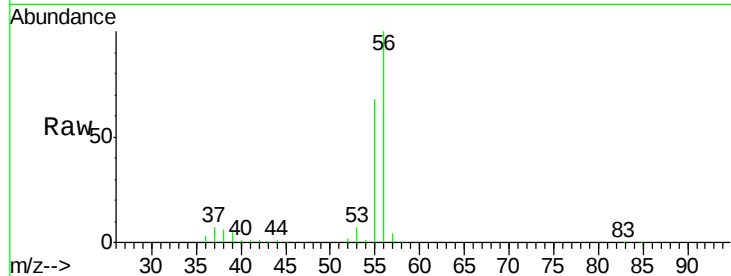
#13
Acrolein
Concen: 314.995 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.2	57.4	86.0

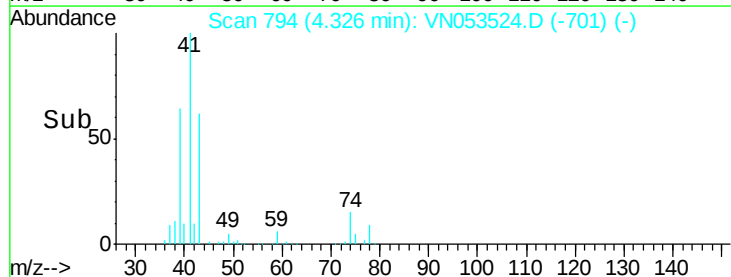
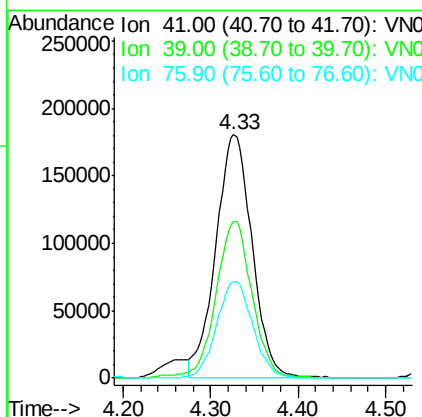
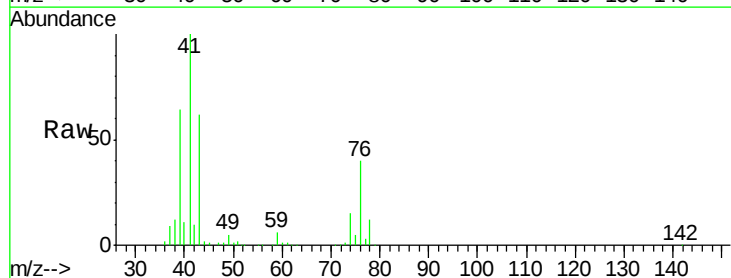
Manual Integrations
APPROVED

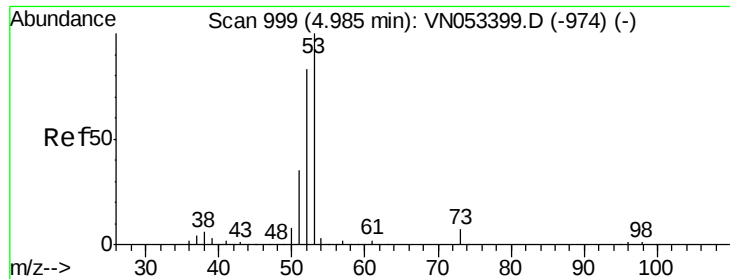
MMDadoda
1/23/2019 11:00:58 AM



#14
Allyl chloride
Concen: 48.923 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.9	48.9	73.3
76	39.2	29.4	44.2





#15

Acrylonitrile

Concen: 288.353 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

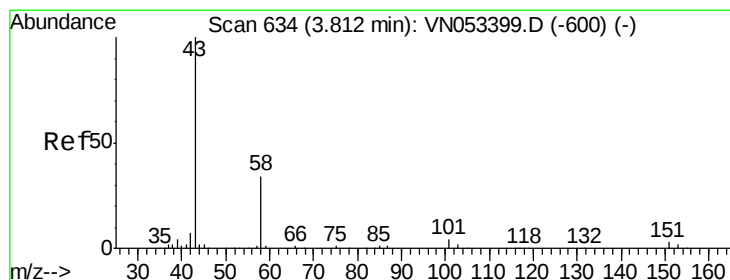
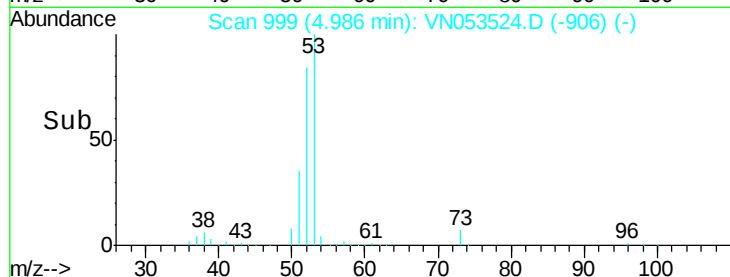
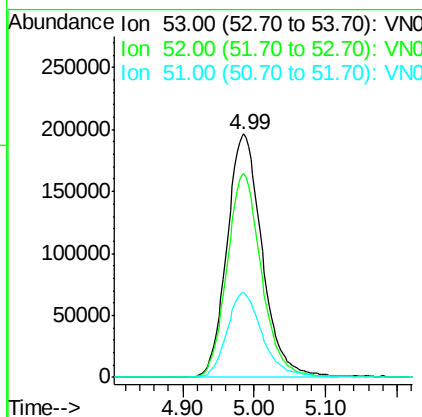
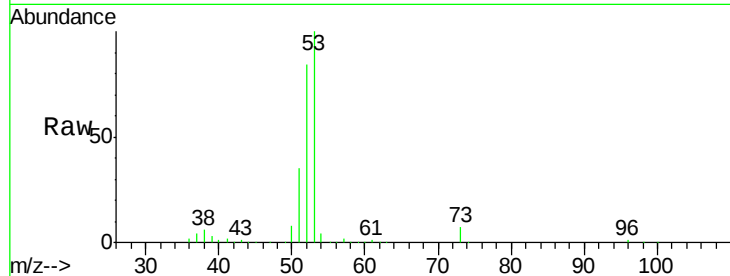
ClientSampleID :

VSTDCCC050EC

Tot Ion:	53	Resp:	672295
Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.0	99.0
51	35.3	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 285.985 ug/l

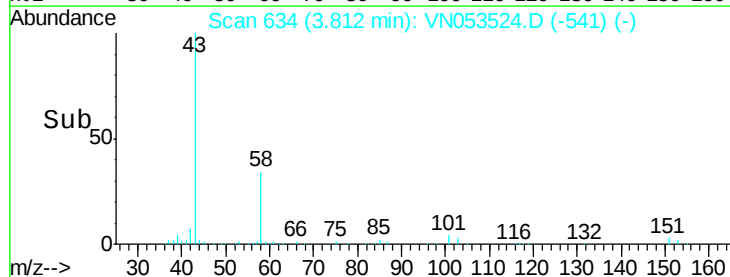
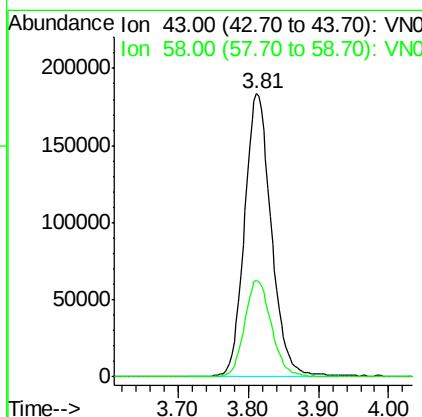
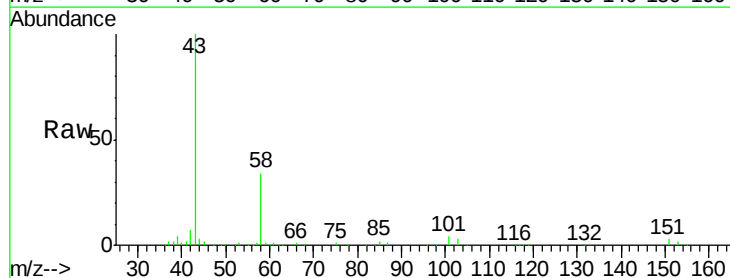
RT: 3.81 min Scan# 634

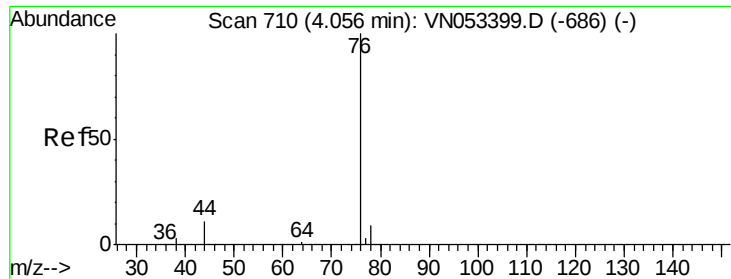
Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Tgt Ion:	43	Resp:	485790
Ion	Ratio	Lower	Upper
43	100		
58	34.2	27.1	40.7





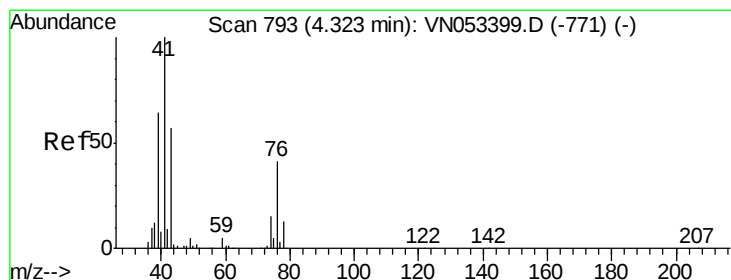
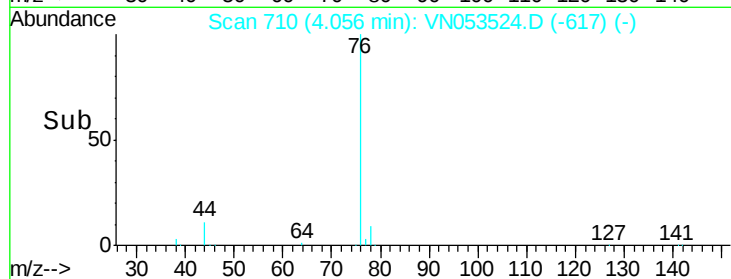
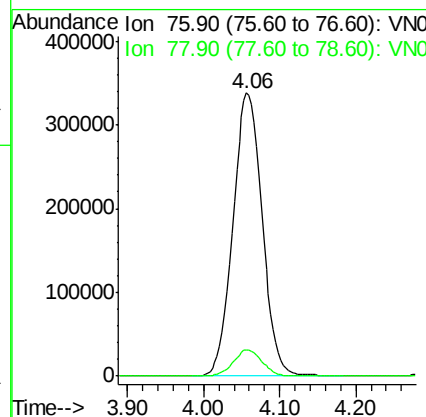
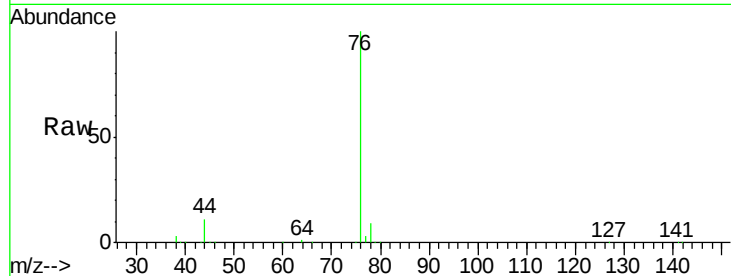
#17
Carbon Disulfide
Concen: 45.924 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.3	10.9

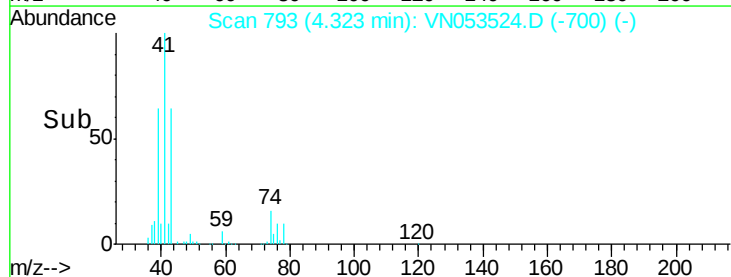
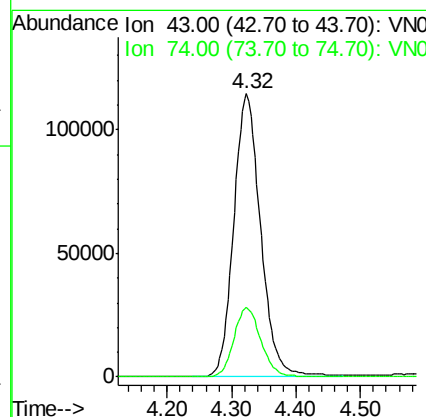
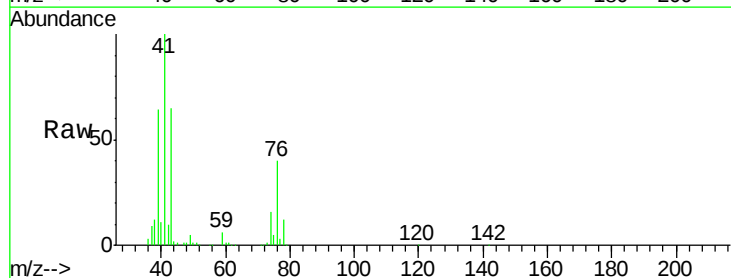
Manual Integrations
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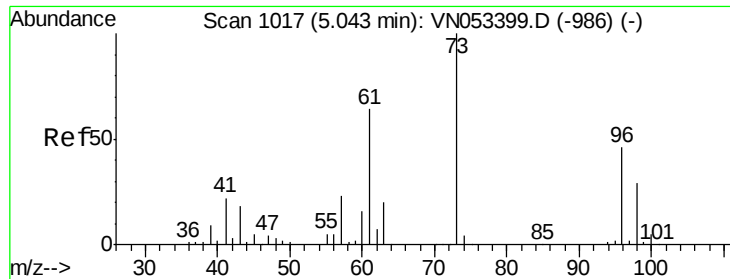
MMDadoda
1/23/2019 11:00:58 AM



#18
Methyl Acetate
Concen: 57.847 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	19.4	29.2





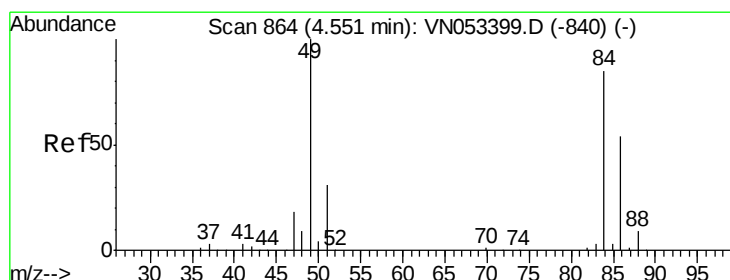
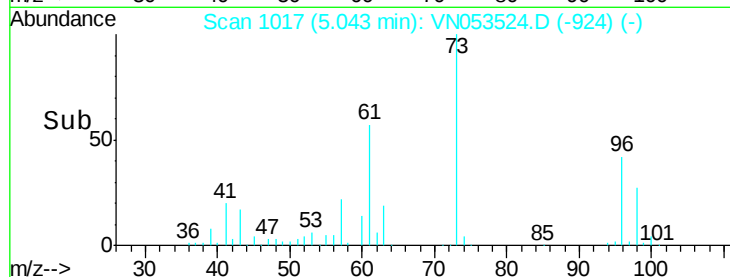
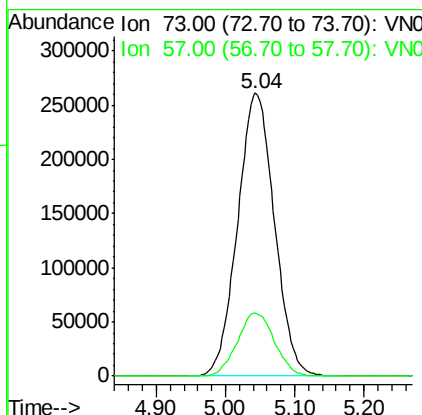
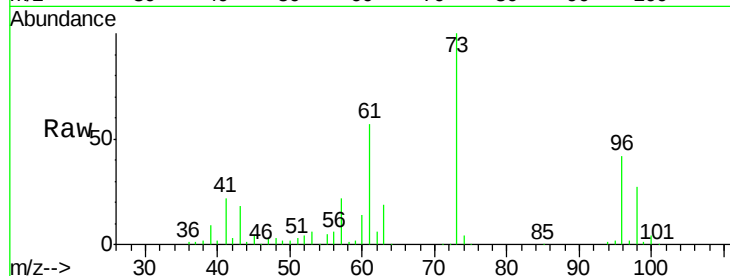
#19
Methvl tert-butvl Ether
Concen: 55.539 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 962381
Ion Ratio Lower Upper
73 100
57 22.4 18.3 27.5

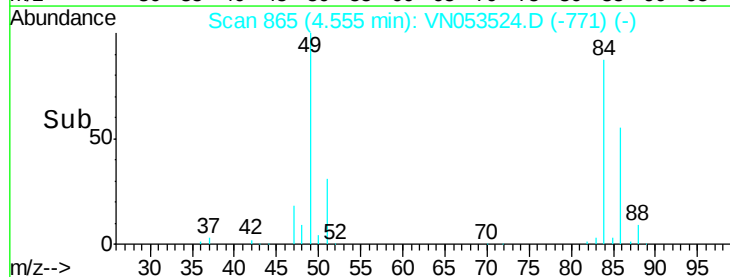
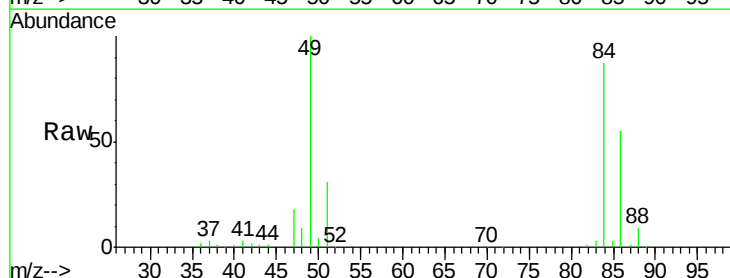
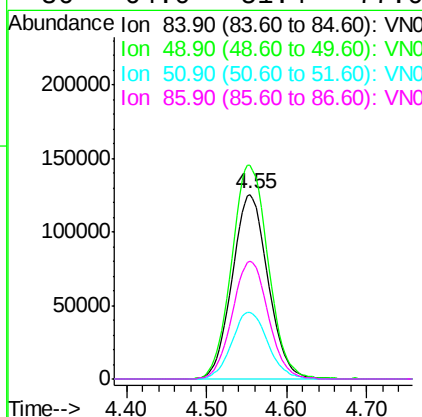
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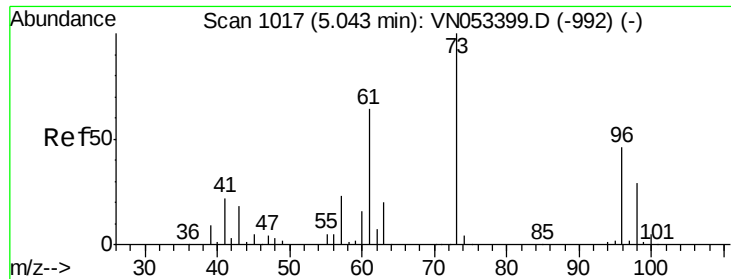
MMDadoda
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#20
Methylene Chloride
Concen: 49.173 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Tgt Ion: 84 Resp: 381352
Ion Ratio Lower Upper
84 100
49 115.3 94.3 141.5
51 35.8 29.4 44.2
86 64.0 51.4 77.0





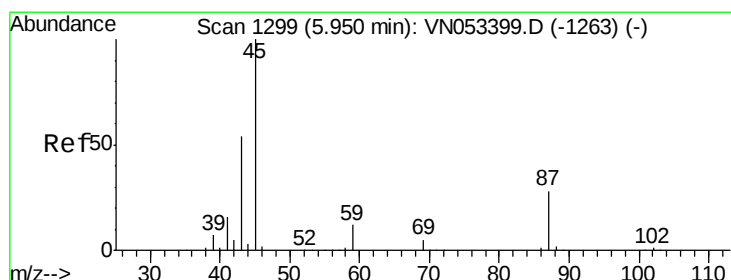
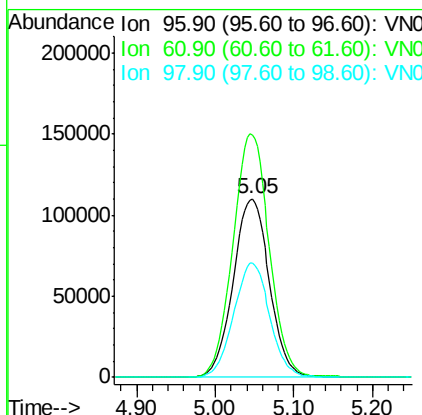
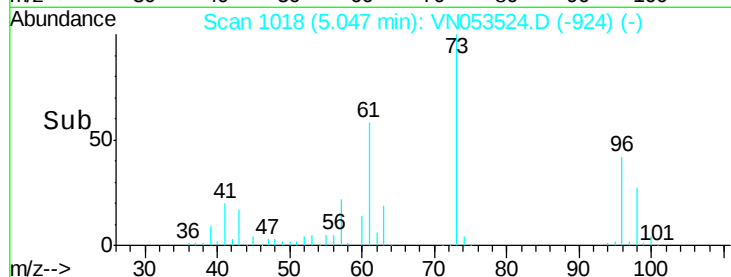
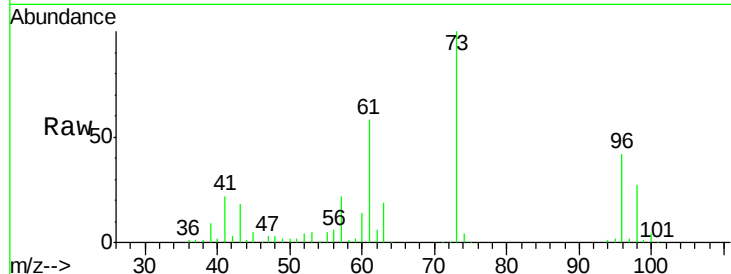
#21
trans-1,2-Dichloroethene
Concen: 50.864 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.8	110.1	165.1
98	64.3	50.0	75.0

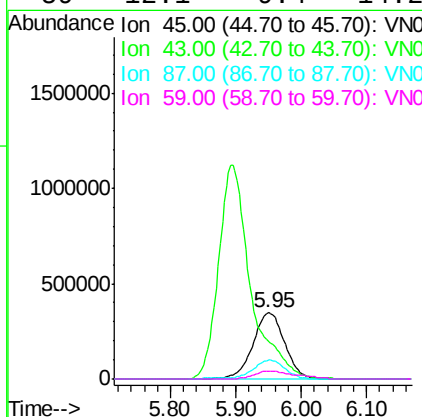
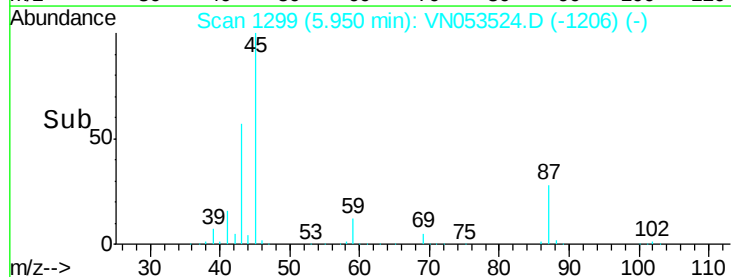
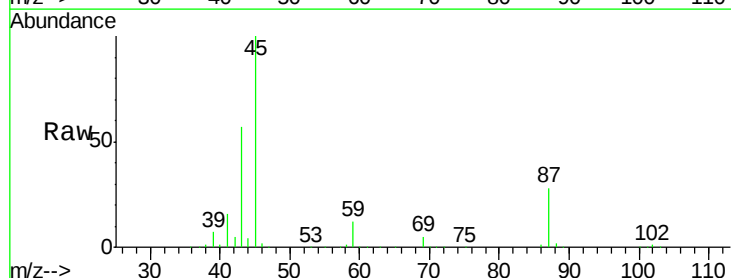
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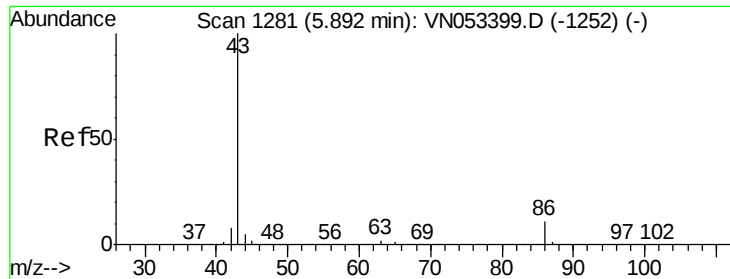
MMDadoda
1/23/2019 11:00:58 AM



#22
Diisopropyl ether
Concen: 53.157 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.4	44.2	66.4
87	28.2	22.7	34.1
59	12.1	9.4	14.2





#23

Vinyl Acetate

Concen: 282.387 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3838739

Ion Ratio Lower Upper

43 100

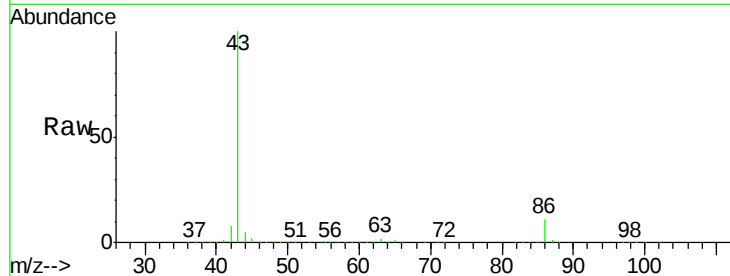
86 10.7 8.4 12.6

Manual Integrations

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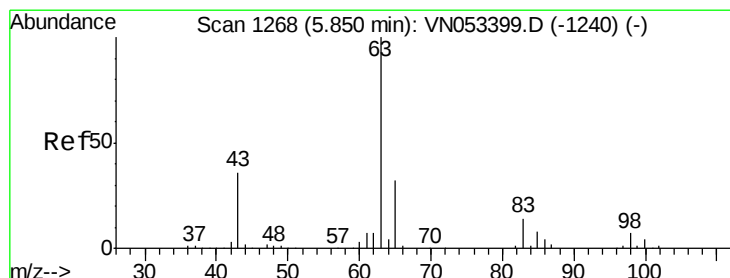
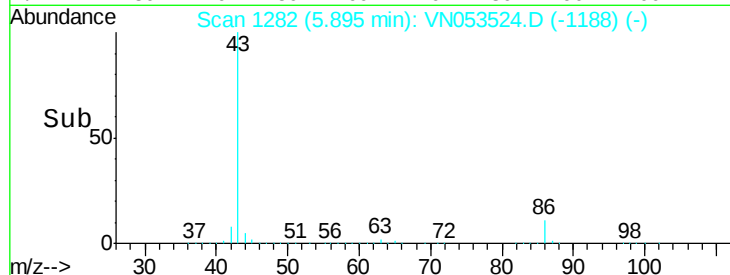
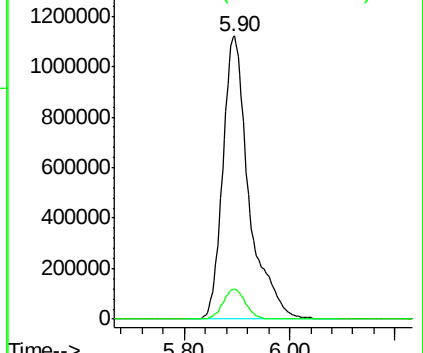
MMDadoda

1/23/2019 11:00:58 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 52.077 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

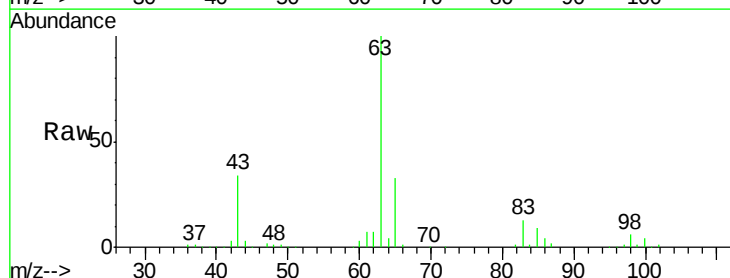
Tgt Ion: 63 Resp: 680804

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.9

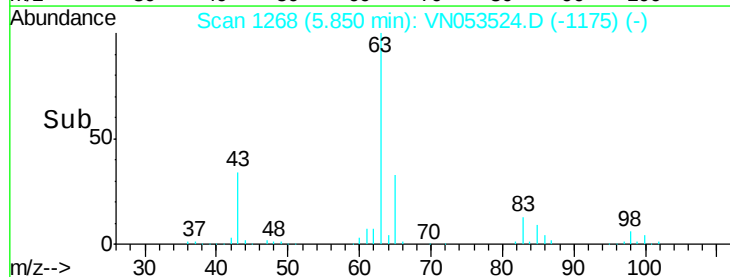
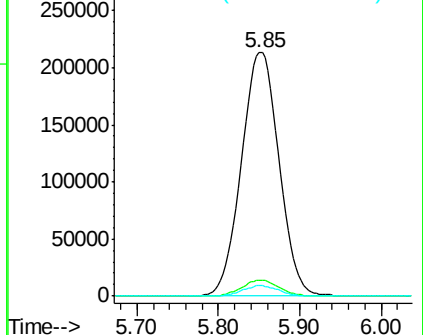
100 4.3 2.1 6.5

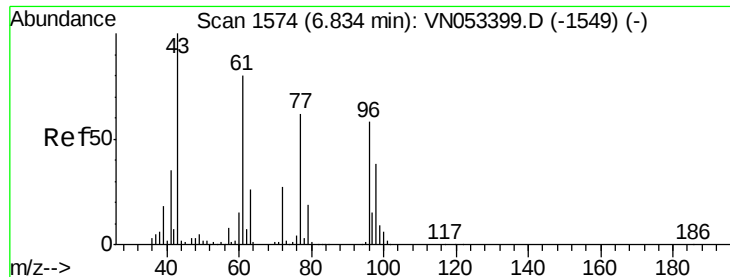


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 291.829 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 763904

Ion Ratio Lower Upper

43 100

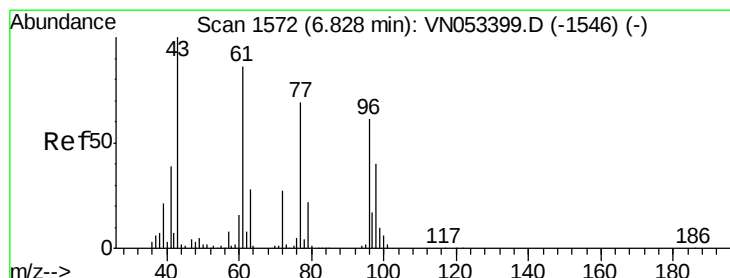
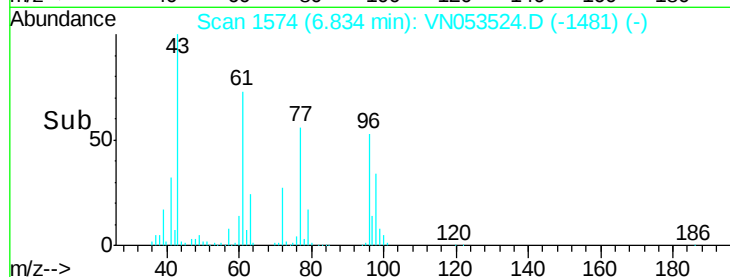
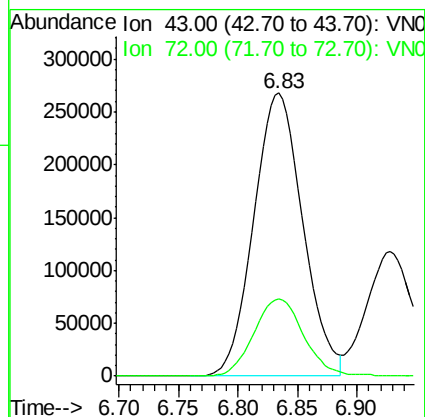
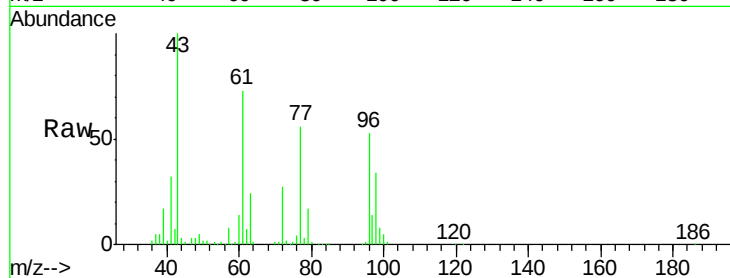
72 27.2 22.0 33.0

Manual Integrations

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1/23/2019 11:00:58 AM



#26

2,2-Dichloropropane

Concen: 51.051 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN053524.D

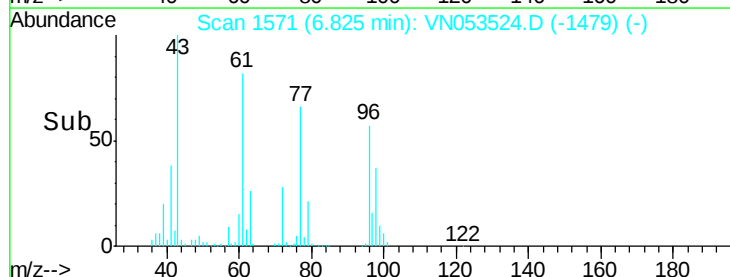
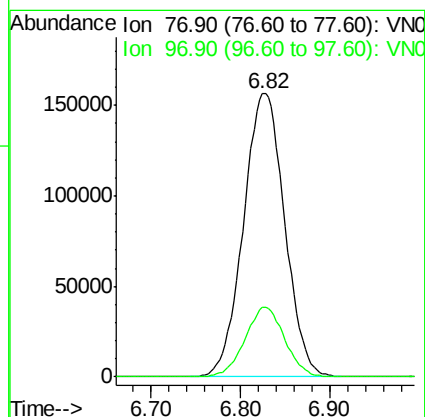
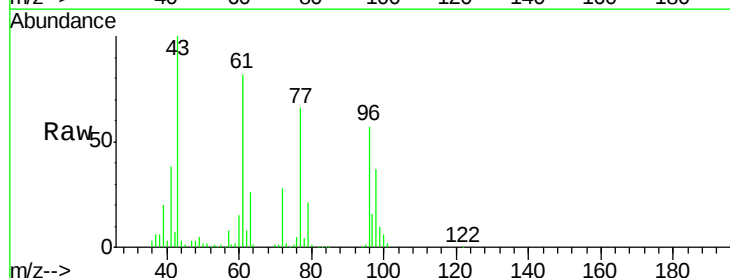
Acq: 22 Jan 2019 17:22

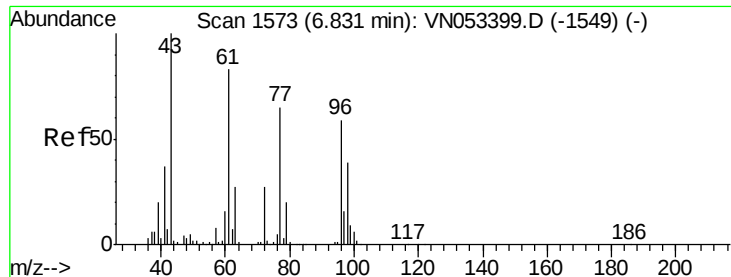
Tgt Ion: 77 Resp: 503897

Ion Ratio Lower Upper

77 100

97 23.6 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 52.304 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

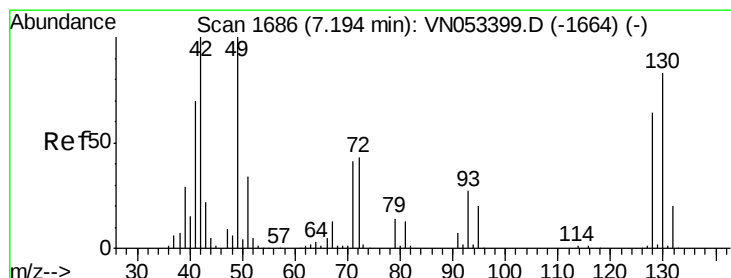
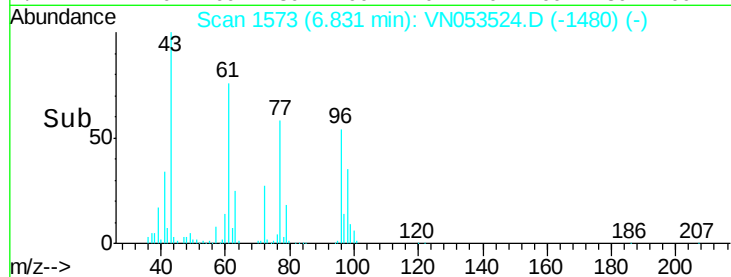
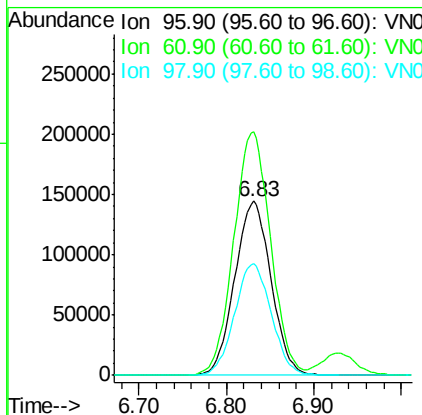
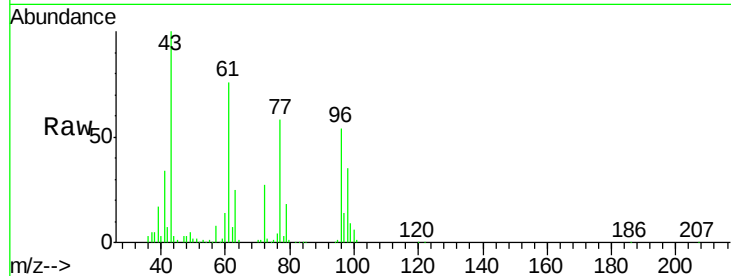
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	417014
Ion	Ratio	Lower	Upper
96	100		
61	141.4	0.0	283.8
98	64.7	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 50.573 ug/l

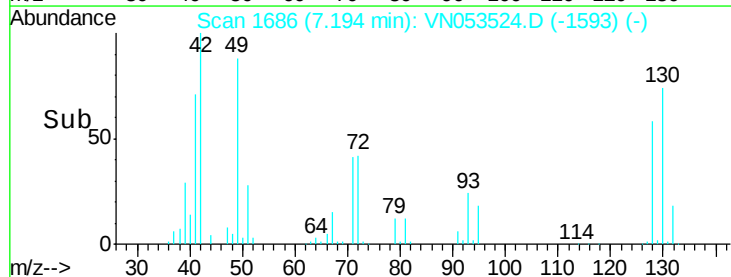
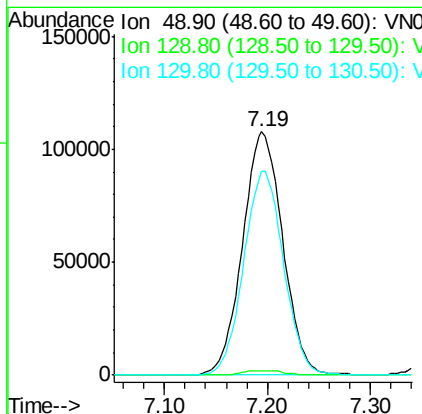
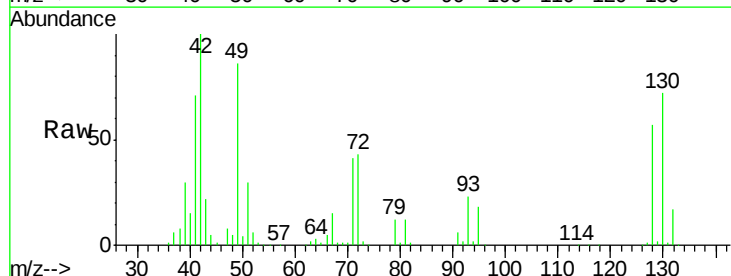
RT: 7.19 min Scan# 1686

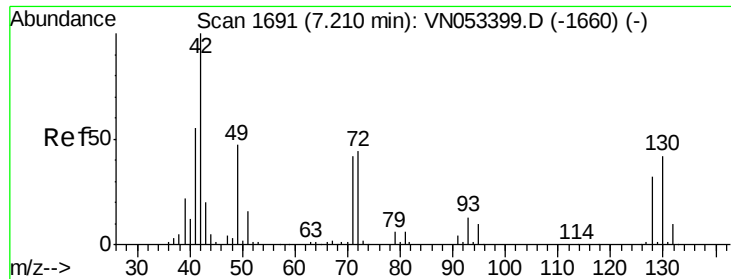
Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Tgt Ion:	49	Resp:	291263
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	4.0
130	83.4	66.3	99.5





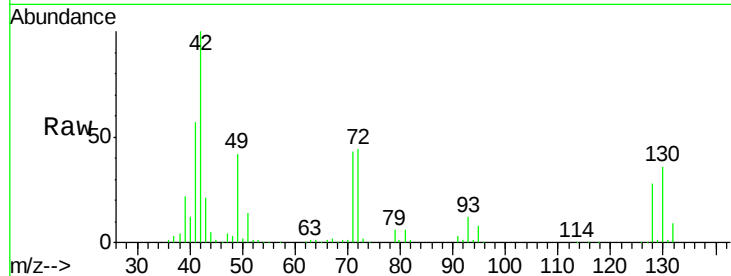
#29
Tetrahydrofuran
Concen: 296.542 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	35.2	52.8
71	41.6	33.0	49.4

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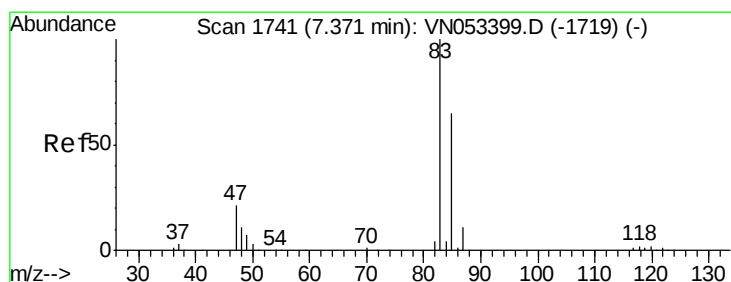
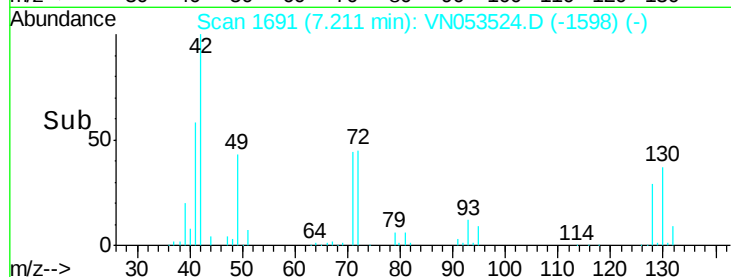
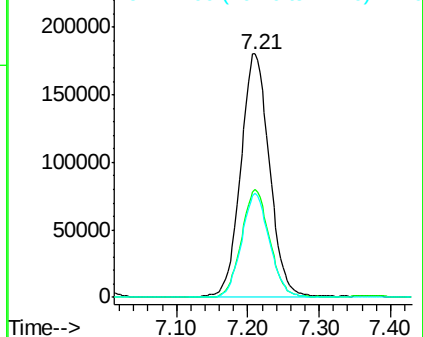


Abundance

Ion 42.00 (41.70 to 42.70): VNO

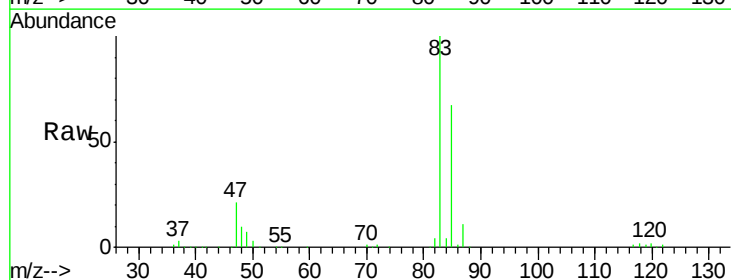
Ion 72.00 (71.70 to 72.70): VNO

Ion 71.00 (70.70 to 71.70): VNO



#30
Chloroform
Concen: 52.476 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

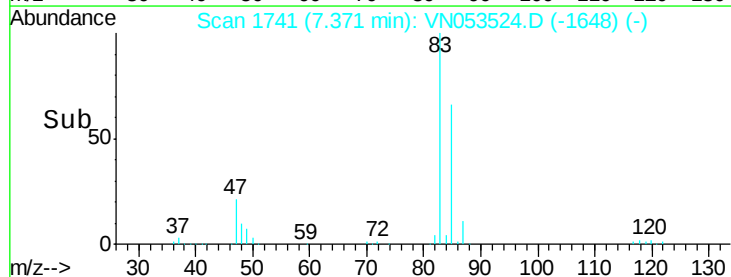
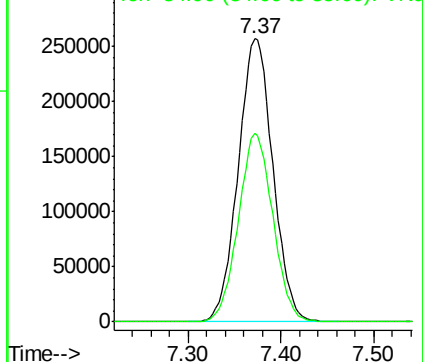
Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	52.2	78.2

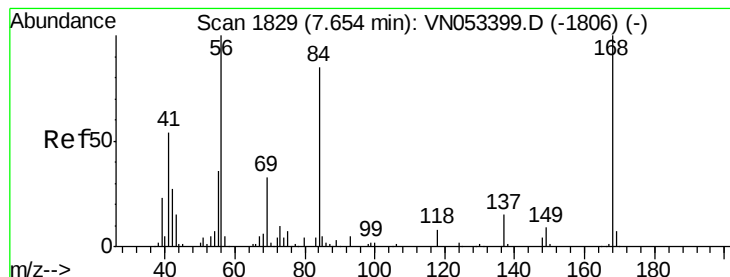


Abundance

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO





#31

Cyclohexane

Concen: 47.699 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 606976

Ion Ratio Lower Upper

56 100

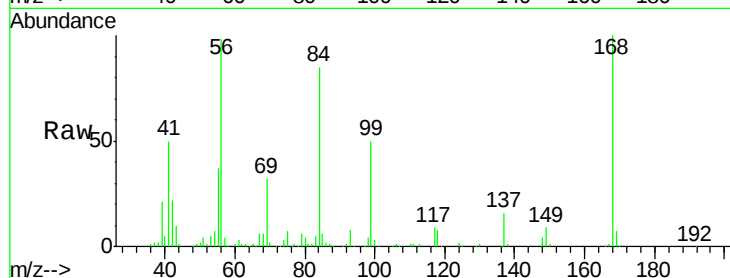
69 32.8 26.4 39.6

84 86.4 67.9 101.9

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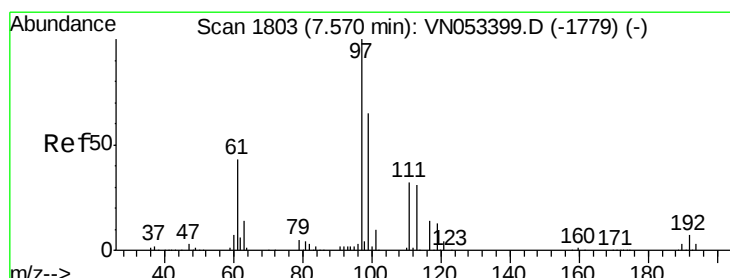
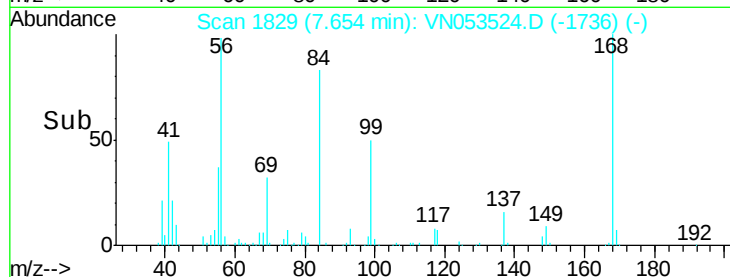
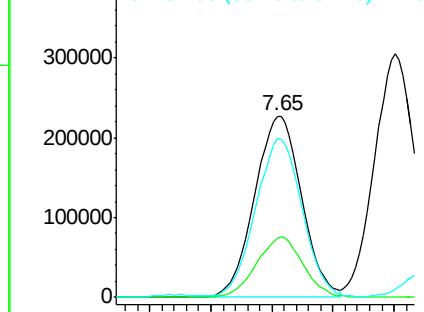


Abundance

Ion 56.00 (55.70 to 56.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 51.841 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

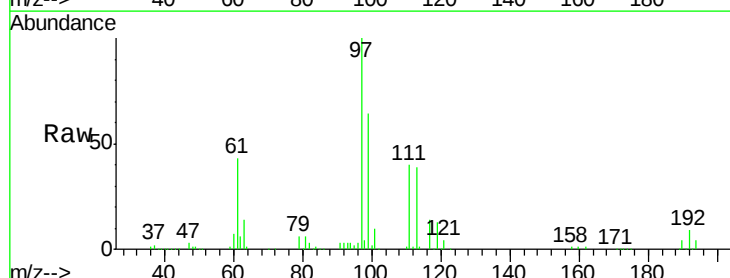
Tgt Ion: 97 Resp: 560138

Ion Ratio Lower Upper

97 100

99 64.5 52.0 78.0

61 43.4 34.4 51.6

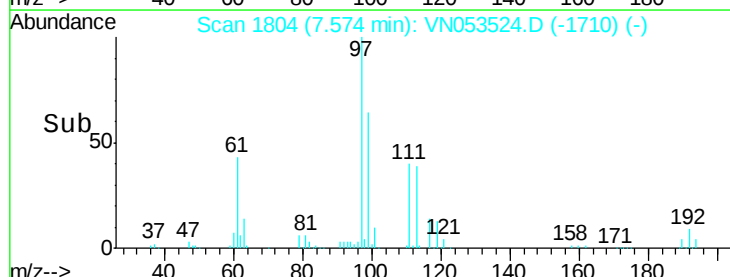
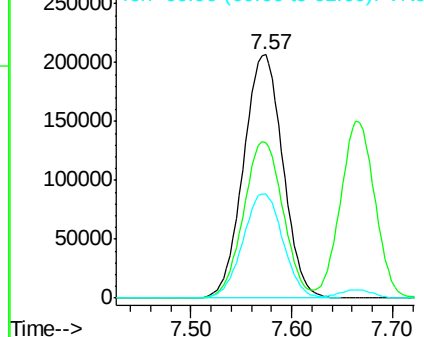


Abundance

Ion 96.90 (96.60 to 97.60): VNC

Ion 98.90 (98.60 to 99.60): VNC

Ion 60.90 (60.60 to 61.60): VNC





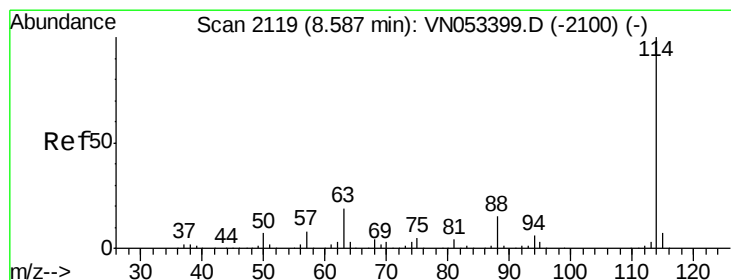
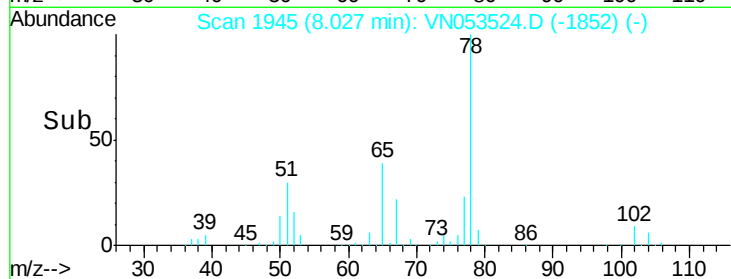
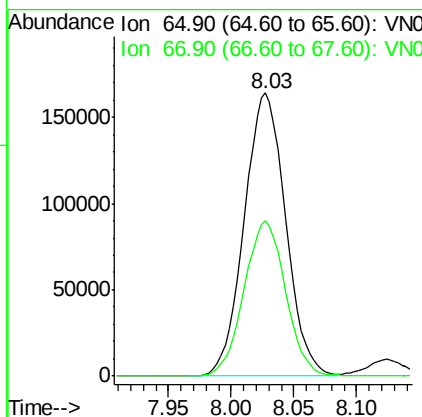
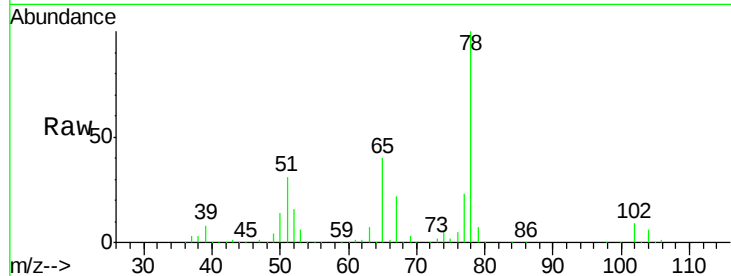
#33
 1,2-Dichloroethane-d4
 Concen: 51.841 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053524.D
 Acq: 22 Jan 2019 17:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.0	0.0	111.2	

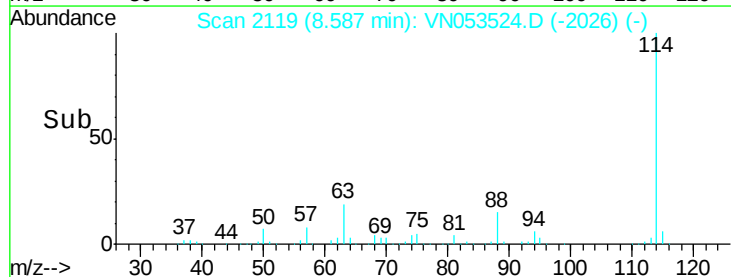
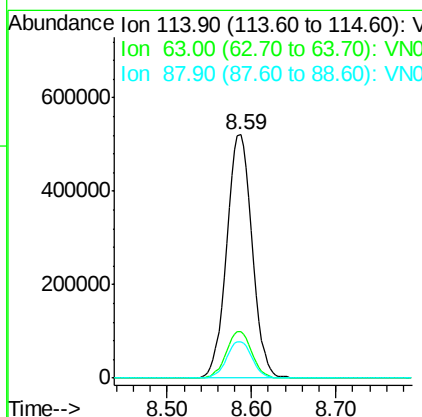
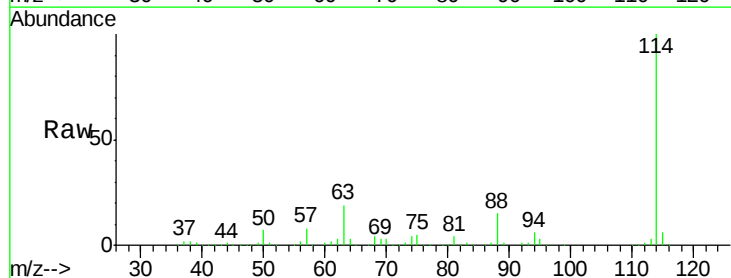
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053524.D
 Acq: 22 Jan 2019 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.2	0.0	38.6	
88	15.2	0.0	30.4	





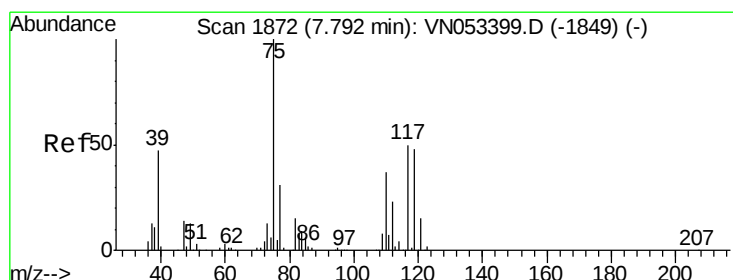
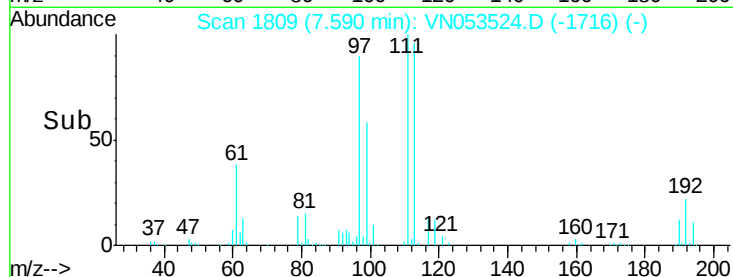
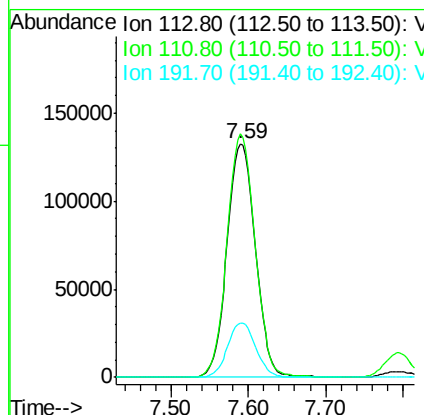
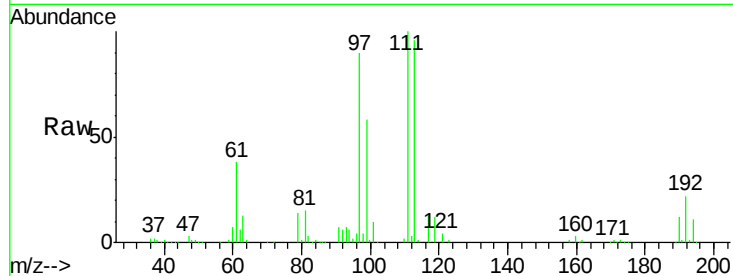
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053524.D
 Acq: 22 Jan 2019 17:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	337804		
111	102.8	81.1	121.7	
192	23.2	18.2	27.2	

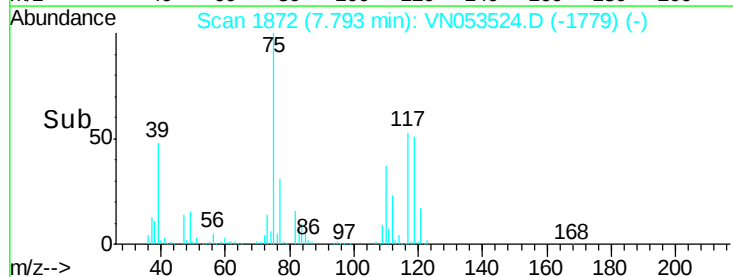
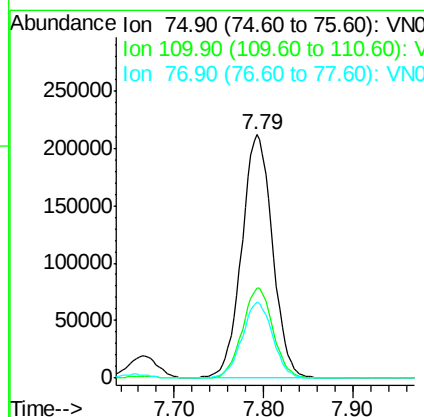
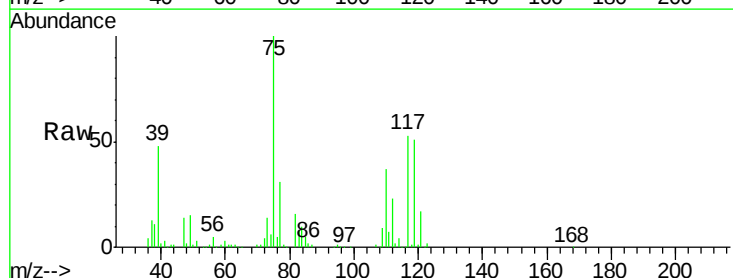
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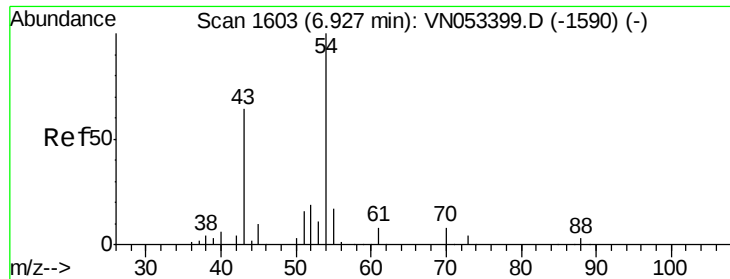
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 50.904 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053524.D
 Acq: 22 Jan 2019 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	506267		
110	36.8	18.1	54.3	
77	31.1	25.1	37.7	





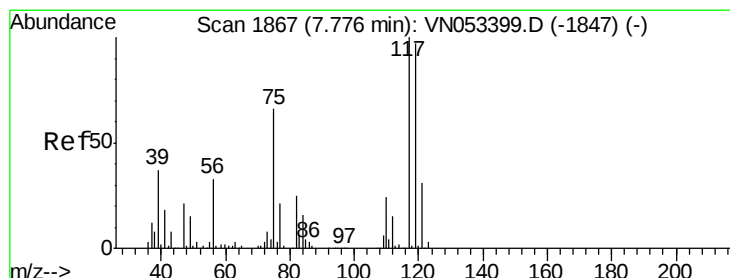
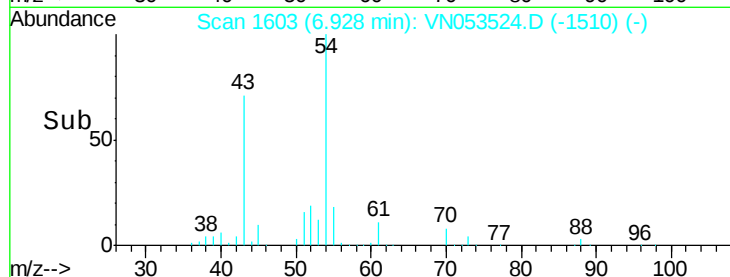
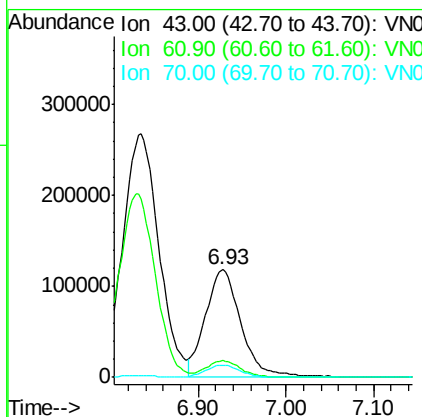
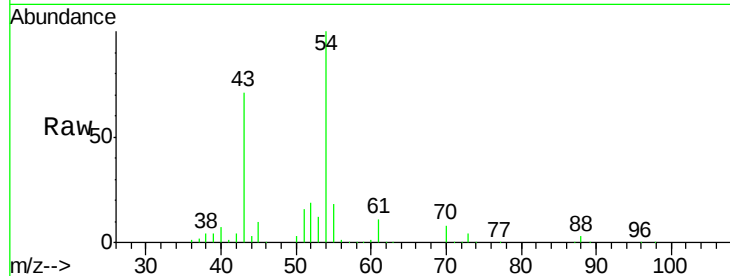
#37
Ethyl Acetate
Concen: 57.549 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.8	17.6
70	11.1	8.6	12.8

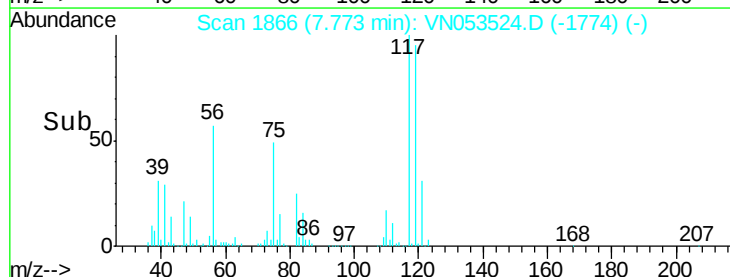
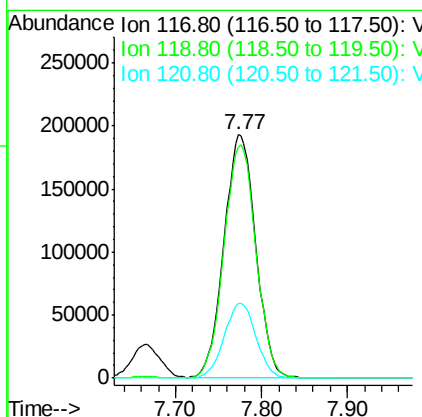
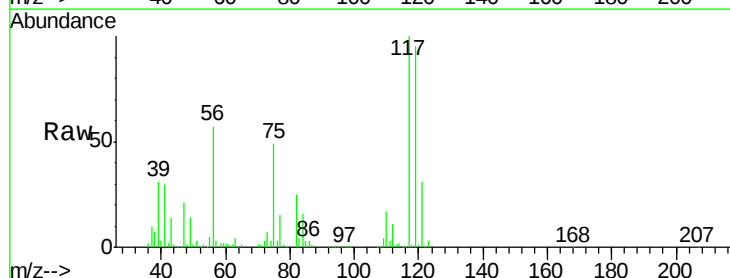
Manual Integrations
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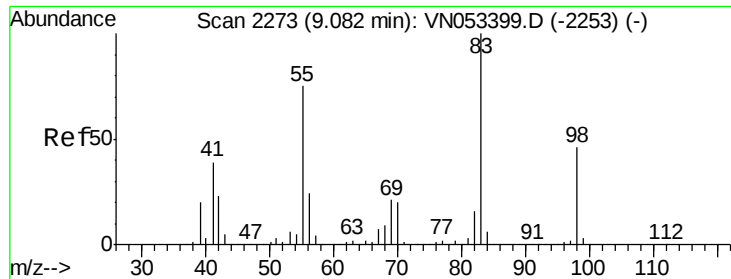
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#38
Carbon Tetrachloride
Concen: 52.463 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	77.2	115.8
121	30.7	24.6	37.0





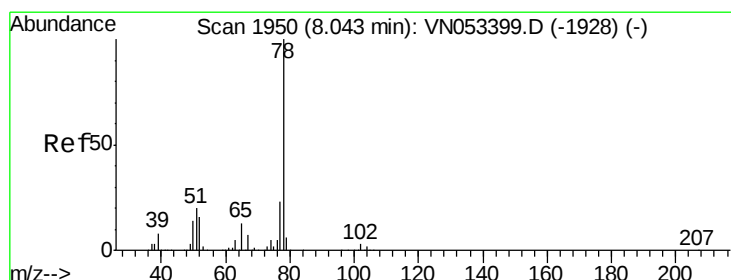
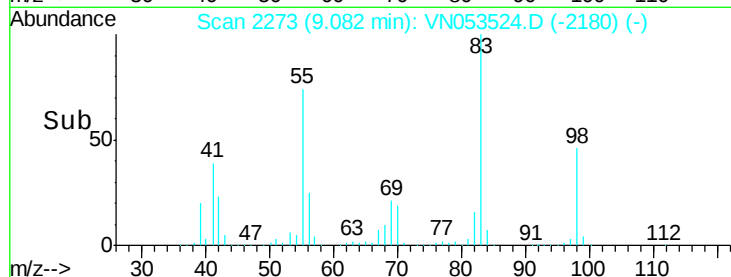
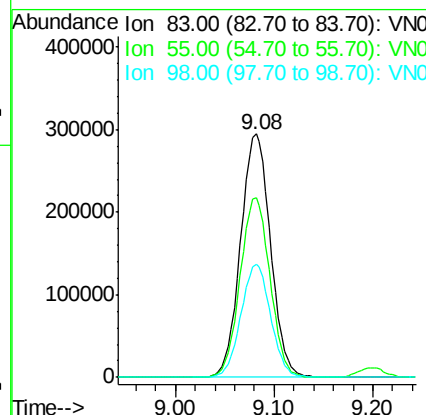
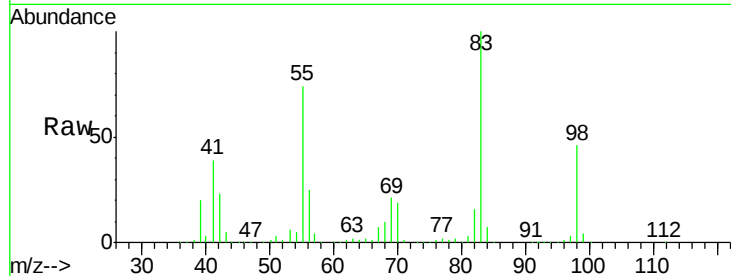
#39
Methvlcvclohexane
Concen: 50.435 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	619980		
55	73.8		60.1	90.1
98	46.5		36.6	55.0

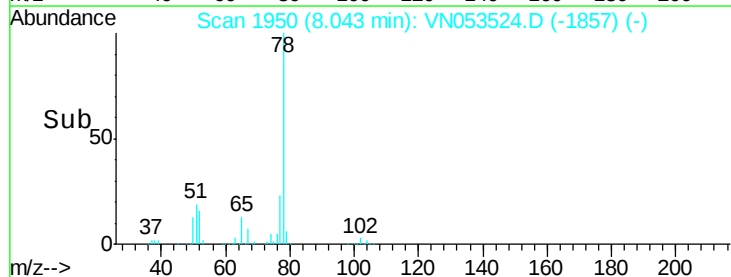
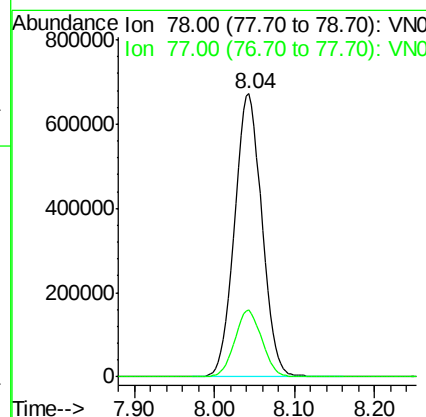
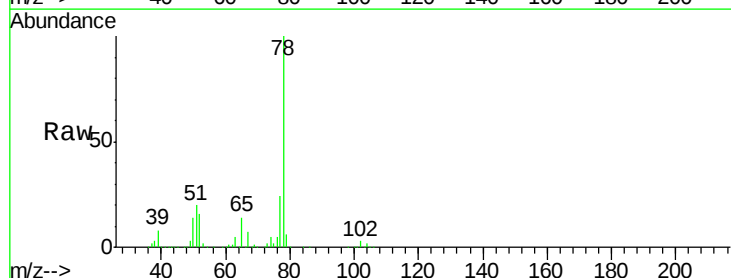
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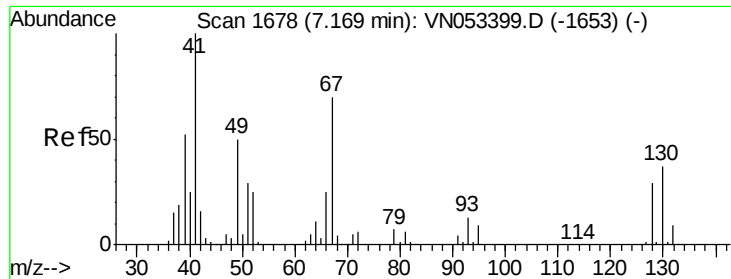
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#40
Benzene
Concen: 51.692 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1562278		
77	23.5		18.8	28.2





#41

Methacrylonitrile

Concen: 53.516 ug/l m

RT: 7.18 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 182119
Ion Ratio Lower Upper

41 100

39 0.0 46.8 70.2#

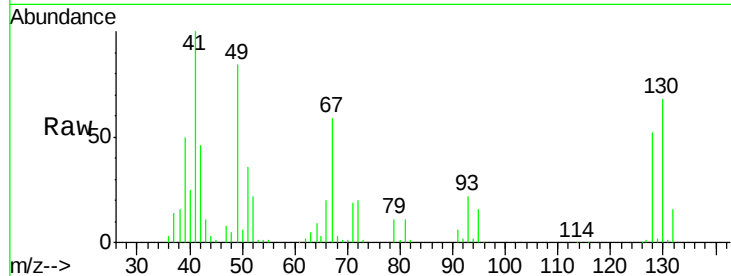
67 0.0 63.0 94.6#

52 0.0 23.8 35.8#

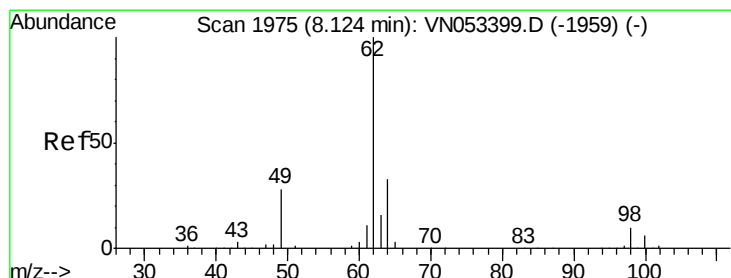
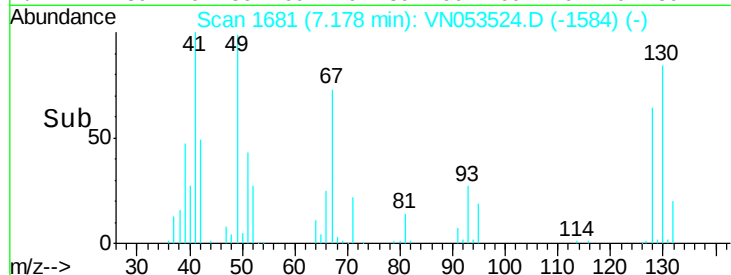
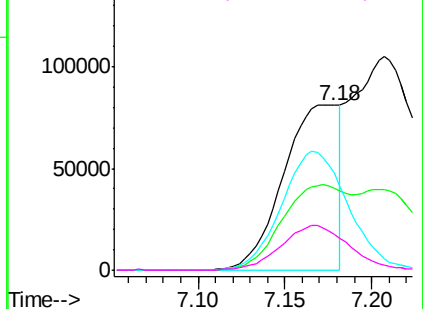
Manual Integrations
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Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 53.573 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

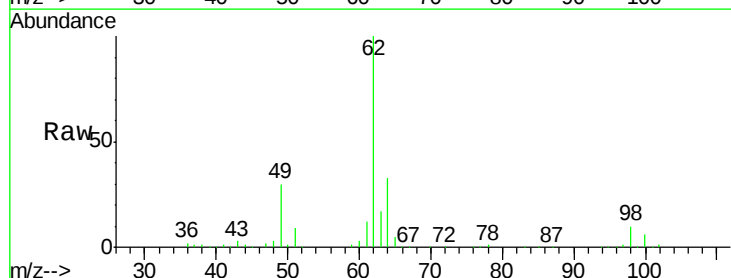
Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

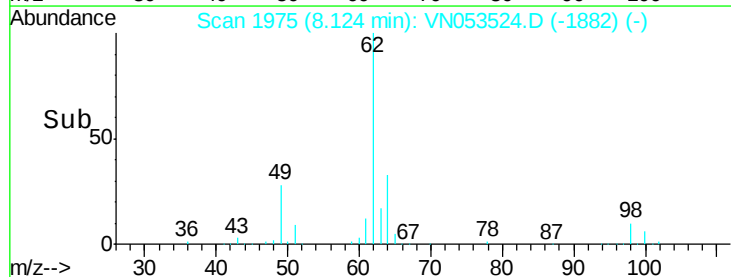
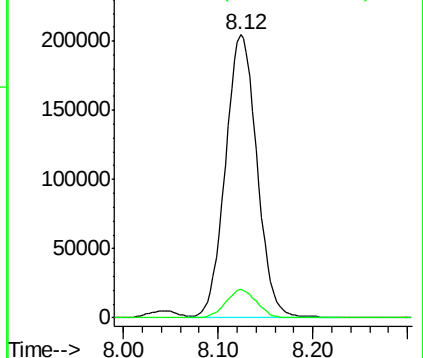
Tgt Ion: 62 Resp: 471696
Ion Ratio Lower Upper

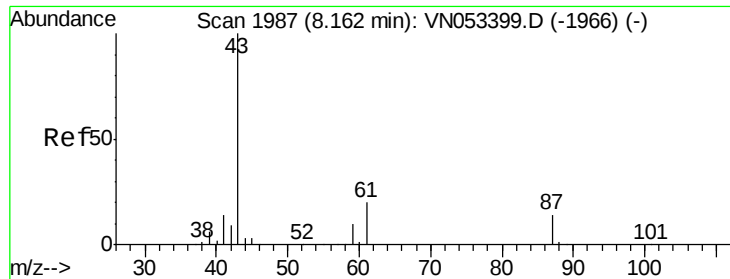
62 100

98 9.8 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





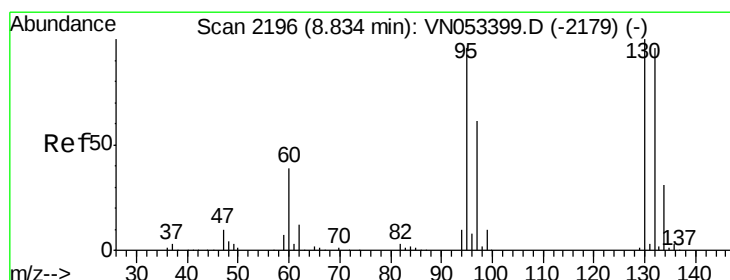
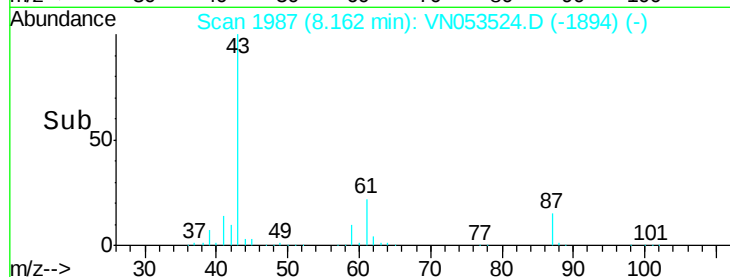
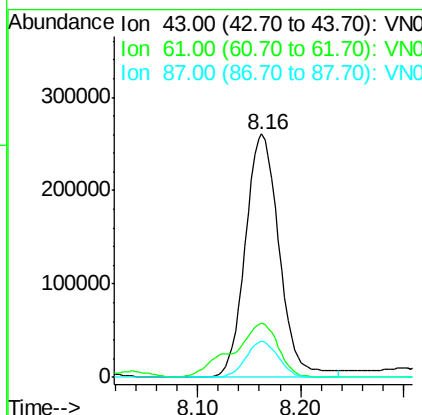
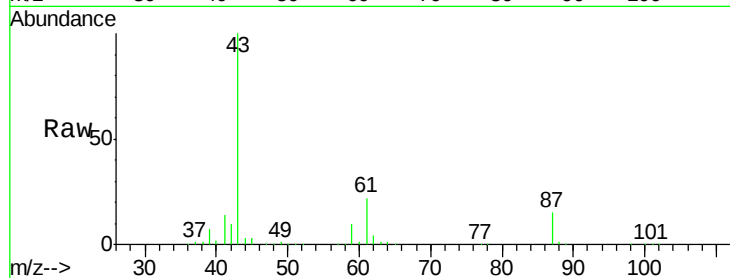
#43
Isopropyl Acetate
Concen: 57.669 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.9	23.9	35.9
87	14.2	11.0	16.6

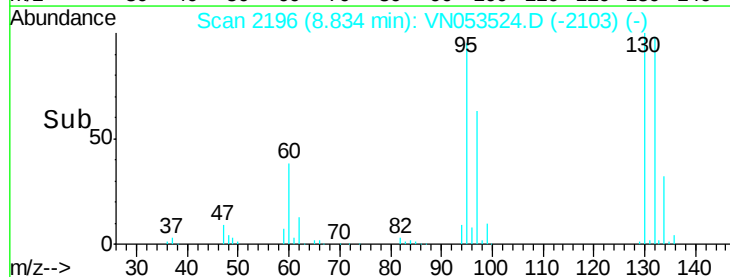
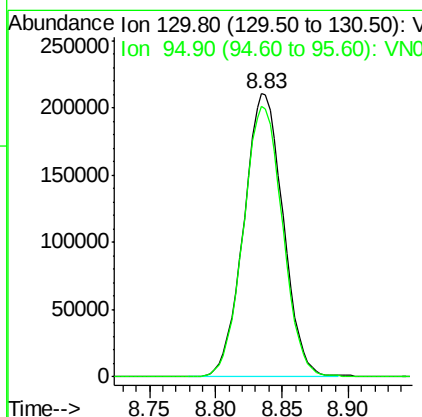
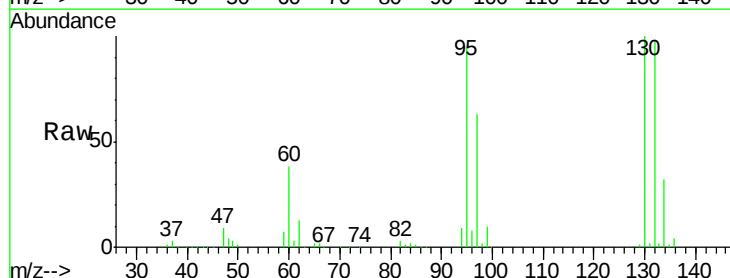
Manual Integrations
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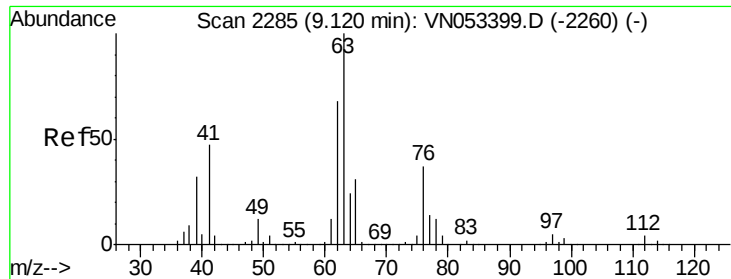
MMDadoda
1/23/2019 11:00:58 AM



#44
Trichloroethene
Concen: 51.859 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	191.4





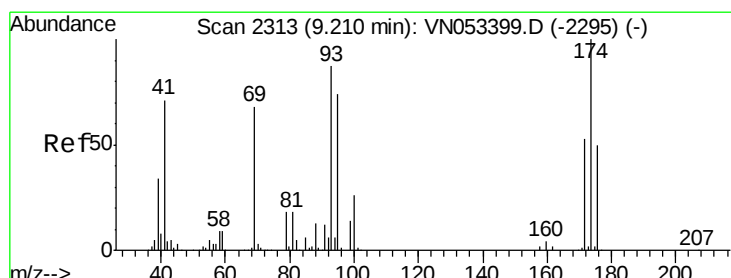
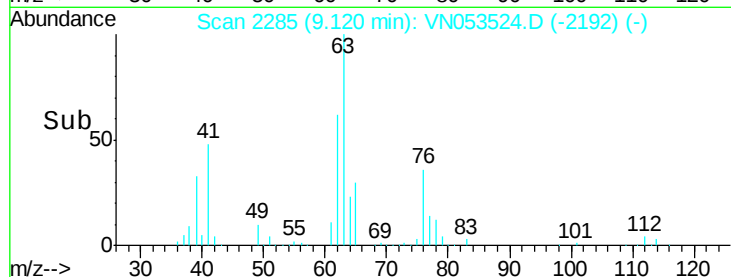
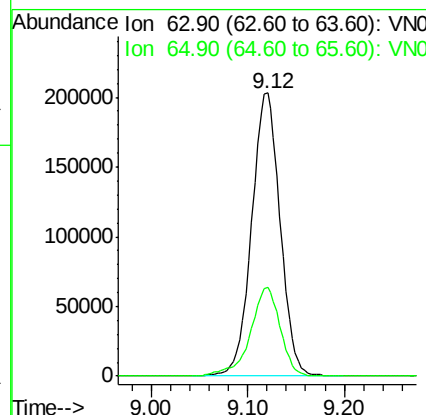
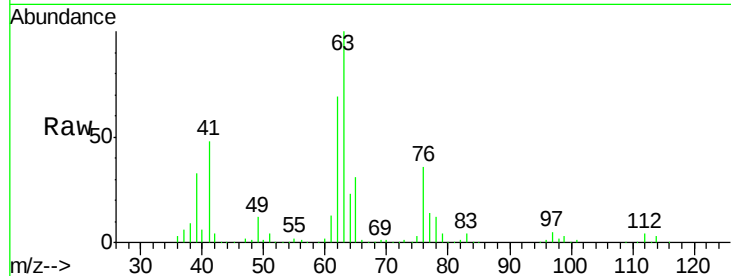
#45
 1,2-Dichloropropane
 Concen: 51.892 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053524.D
 Acq: 22 Jan 2019 17:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 415399
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.0 37.4

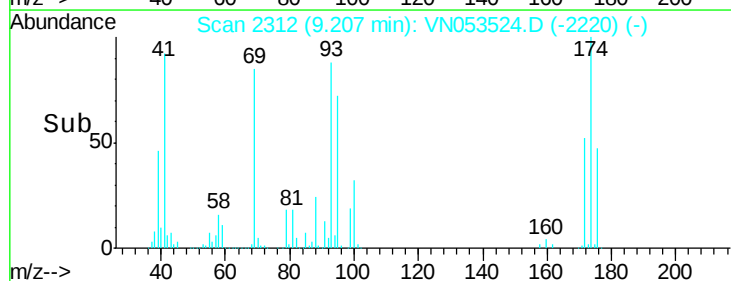
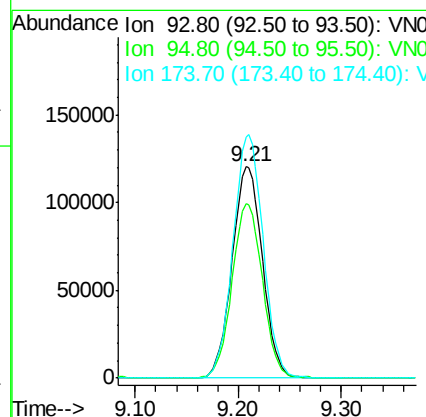
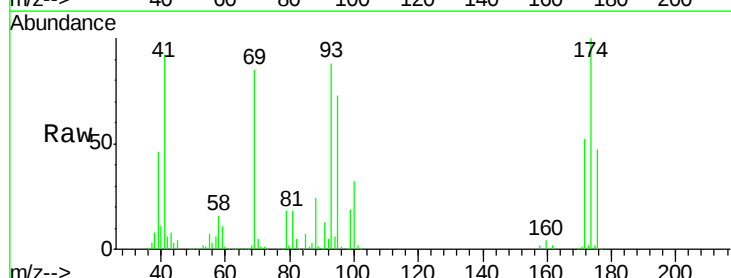
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MMDadoda
 1/23/2019 11:00:58 AM



#46
 Dibromomethane
 Concen: 53.902 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053524.D
 Acq: 22 Jan 2019 17:22

Tgt Ion: 93 Resp: 247906
 Ion Ratio Lower Upper
 93 100
 95 82.6 67.3 100.9
 174 113.9 91.0 136.4





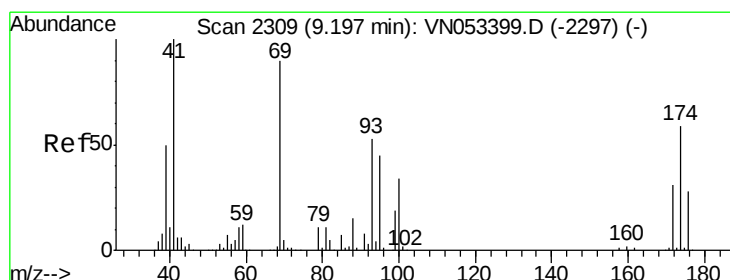
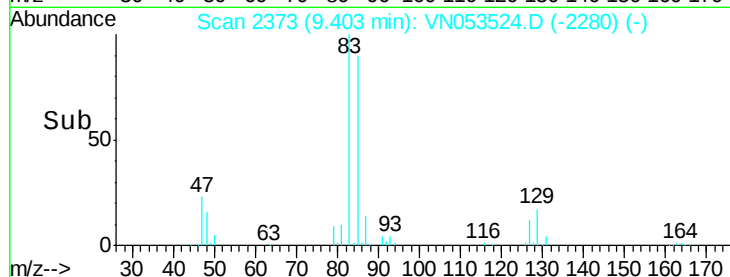
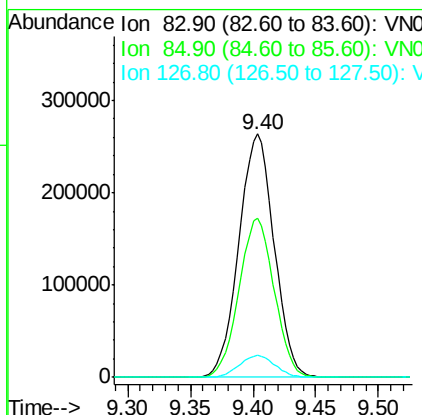
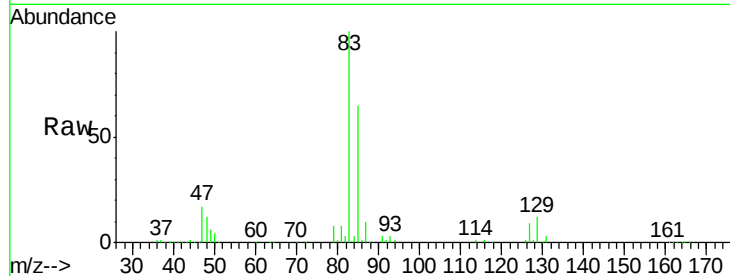
#47
Bromodichloromethane
Concen: 53.441 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	516883		
85	65.4		51.0	76.6
127	8.9		7.0	10.6

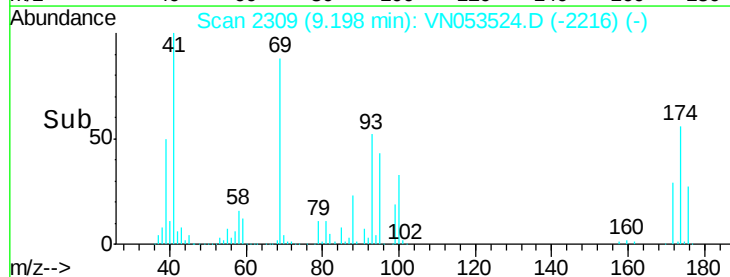
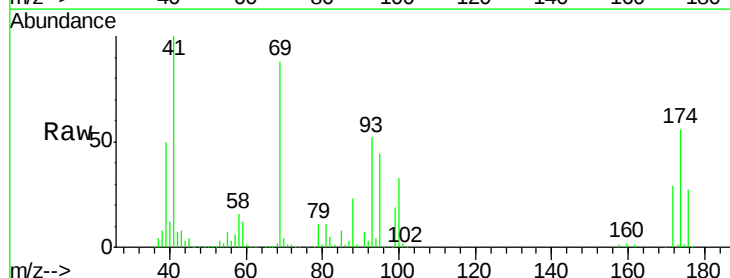
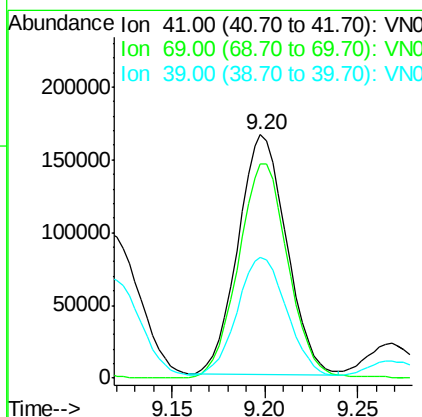
Manual Integrations
APPROVED

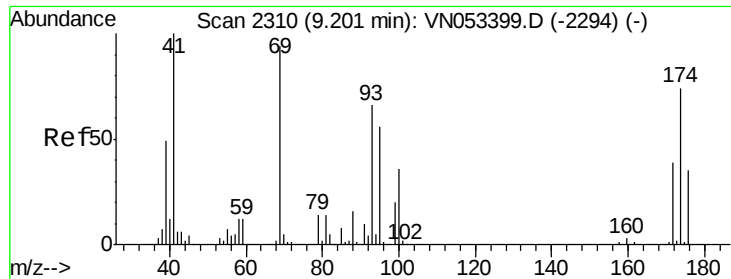
MMDadoda
1/23/2019 11:00:58 AM



#48
Methyl methacrylate
Concen: 56.328 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	299233		
69	91.8		73.8	110.6
39	52.5		40.0	60.0





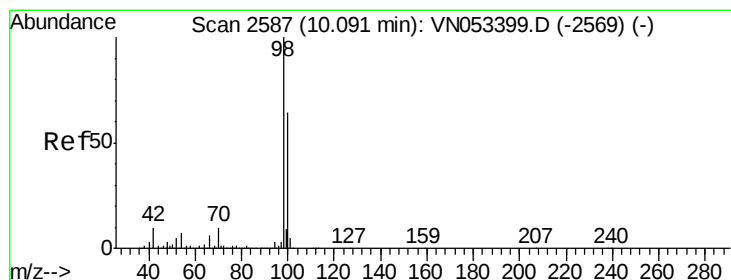
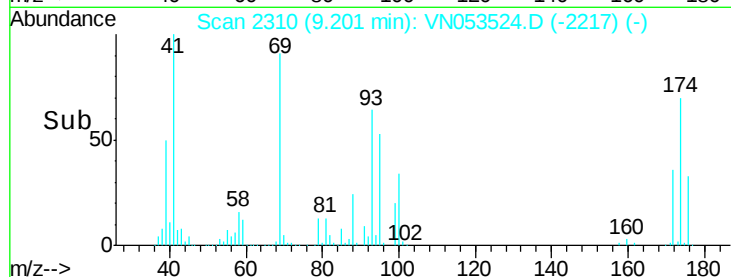
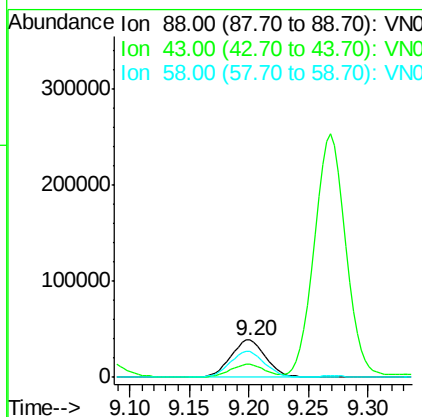
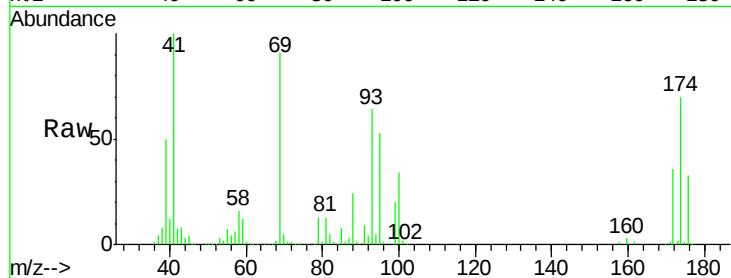
#49
1,4-Dioxane
Concen: 1536.786 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	79731
Ion	Ratio	Lower	Upper
88	100		
43	31.5	27.8	41.6
58	68.8	56.5	84.7

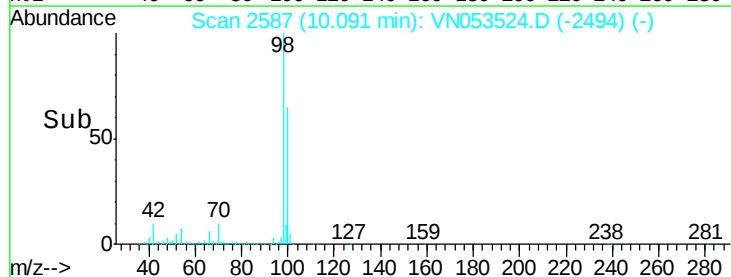
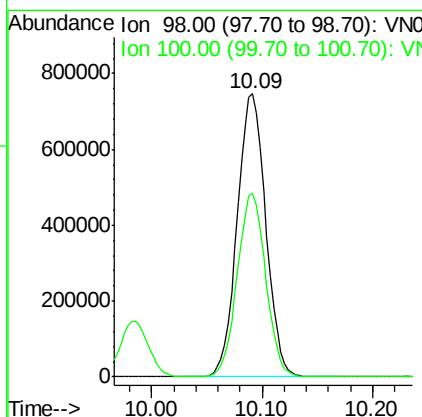
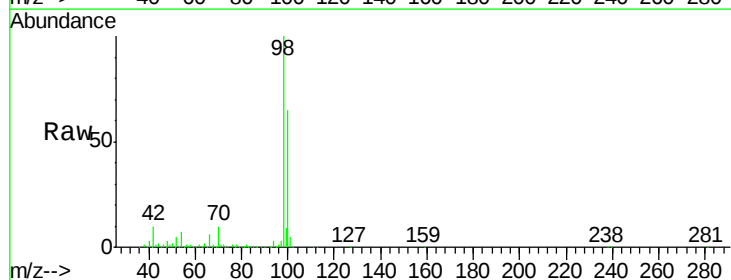
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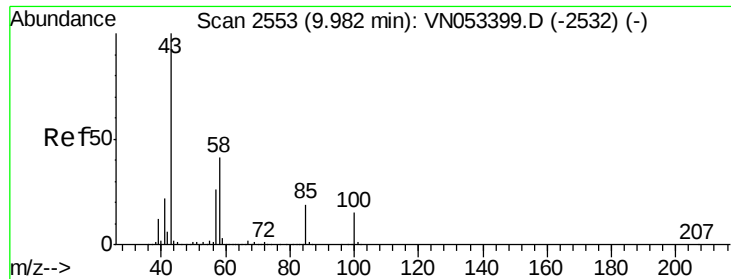
MMDadoda
1/23/2019 11:00:58 AM



#50
Toluene-d8
Concen: 1536.786 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Tgt Ion	98	Resp	1340866
Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 300.469 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

ClientSampleID :

VSTDCCC050EC

Tot Ion: 43 Resp: 1687609

Ion Ratio Lower Upper

43 100

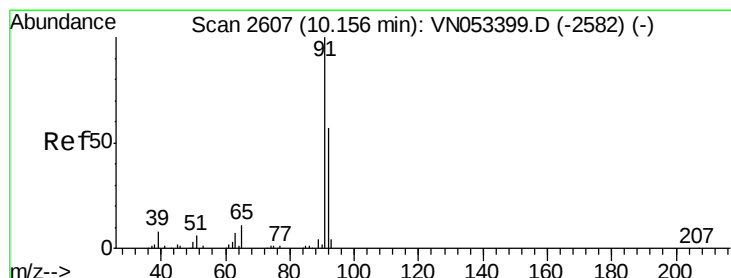
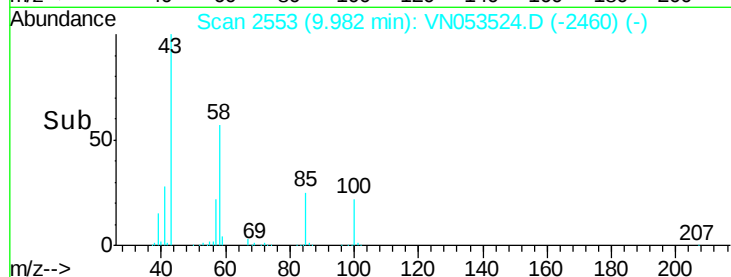
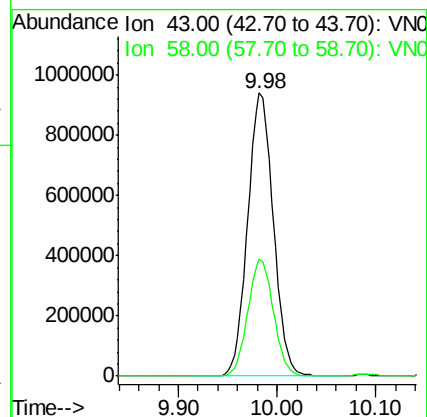
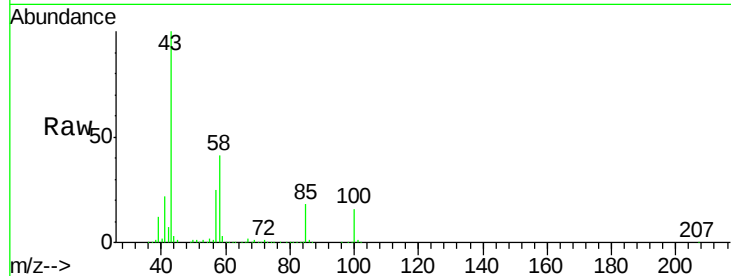
58 41.2 32.8 49.2

Manual Integrations

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MMDadoda

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#52

Toluene

Concen: 51.896 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053524.D

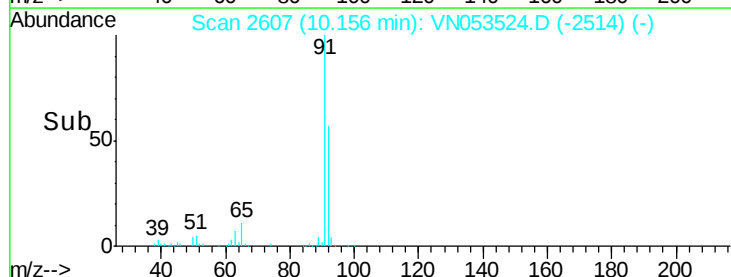
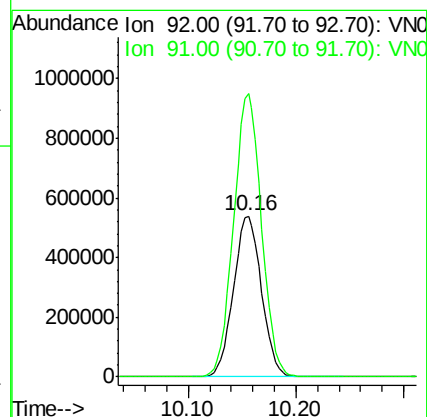
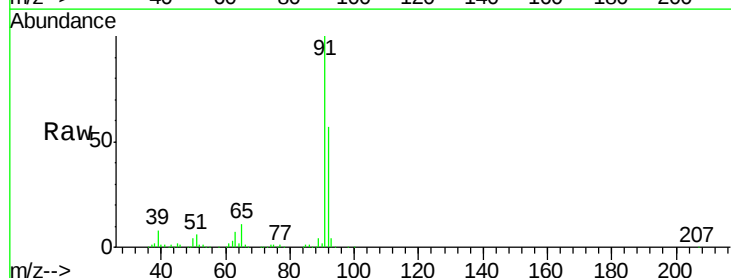
Acq: 22 Jan 2019 17:22

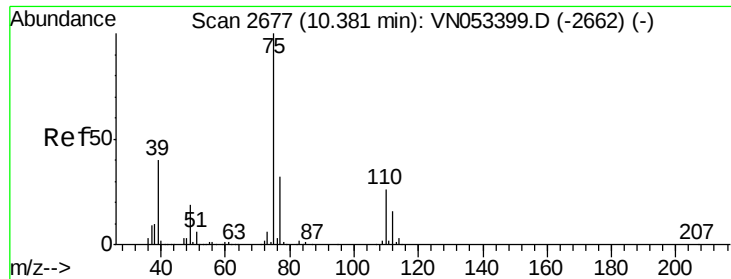
Tgt Ion: 92 Resp: 973721

Ion Ratio Lower Upper

92 100

91 175.4 139.9 209.9





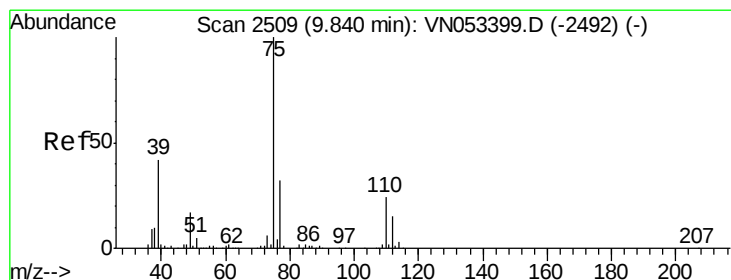
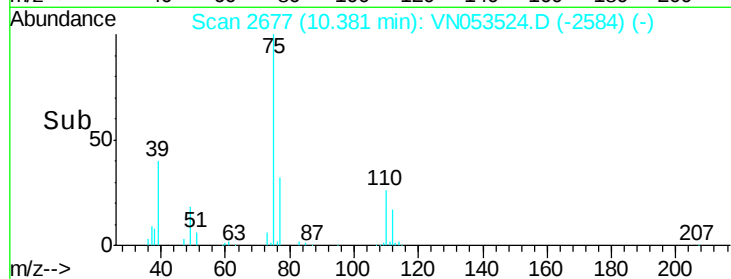
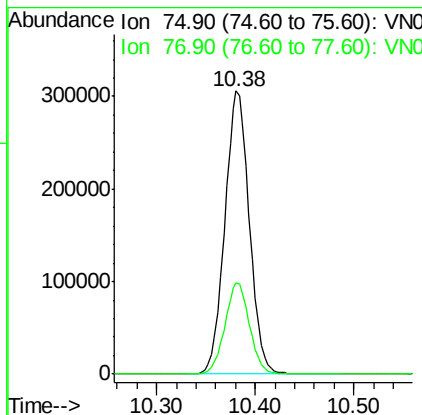
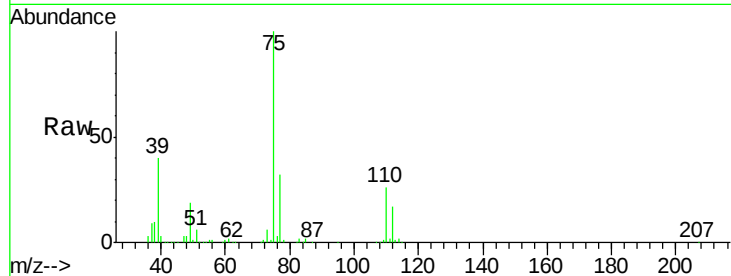
#53
t-1,3-Dichloropropene
Concen: 54.258 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.5	38.3

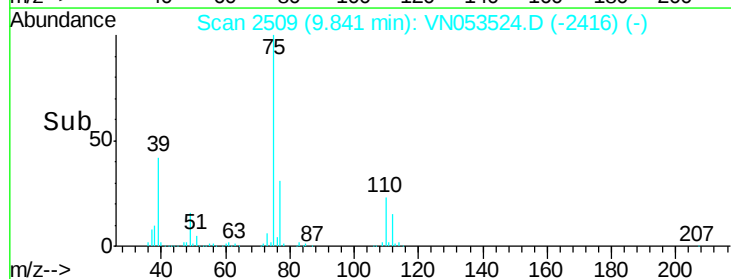
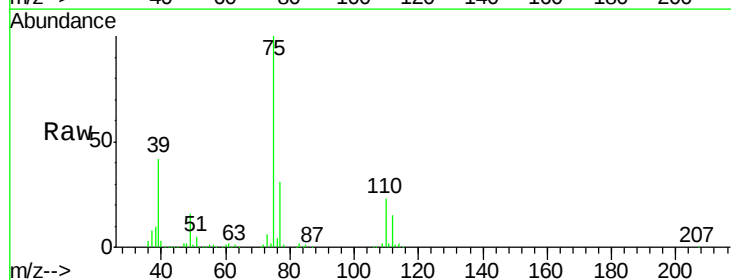
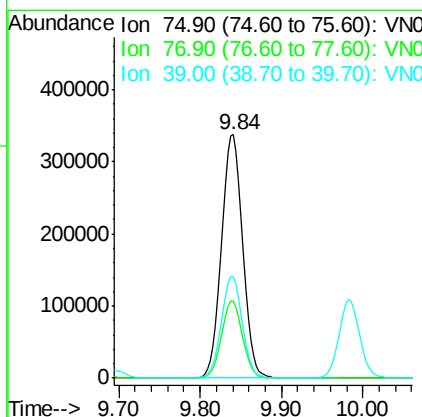
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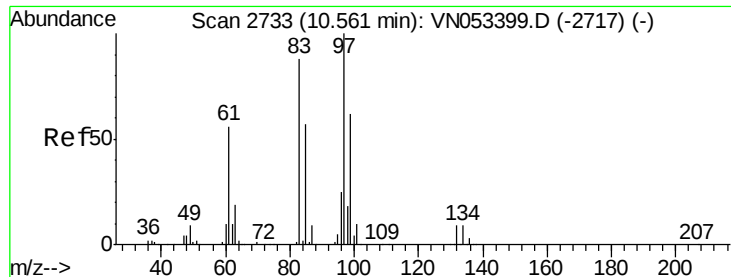
MMDadoda
1/23/2019 11:00:58 AM



#54
cis-1,3-Dichloropropene
Concen: 54.383 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.8	38.6
39	41.6	33.4	50.0





#55

1,1,2-Trichloroethane

Concen: 55.093 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

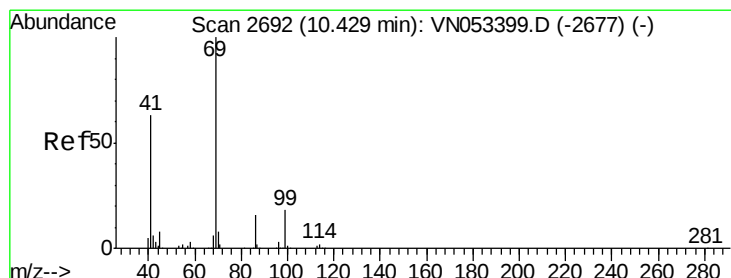
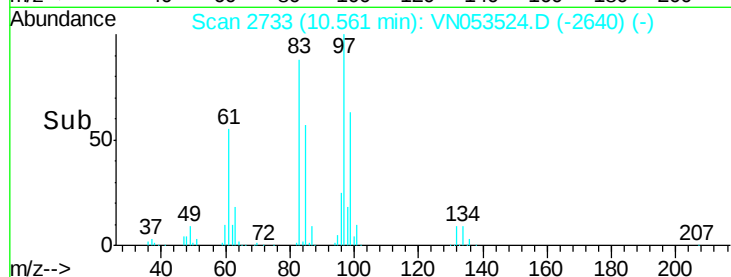
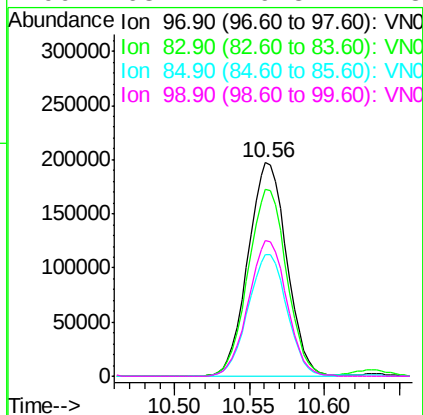
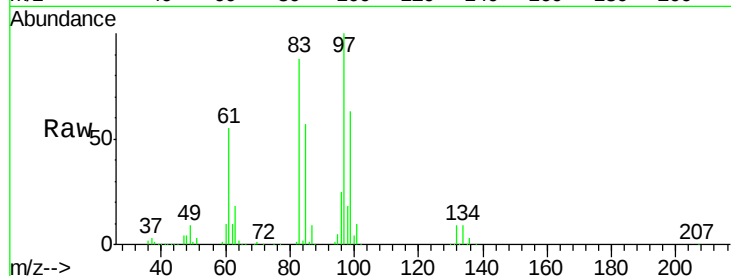
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	356382
Ion	Ratio	Lower	Upper
97	100		
83	87.6	70.1	105.1
85	57.1	45.4	68.0
99	63.4	49.8	74.8

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1/23/2019 11:00:58 AM



#56

Ethyl methacrylate

Concen: 51.499 ug/l

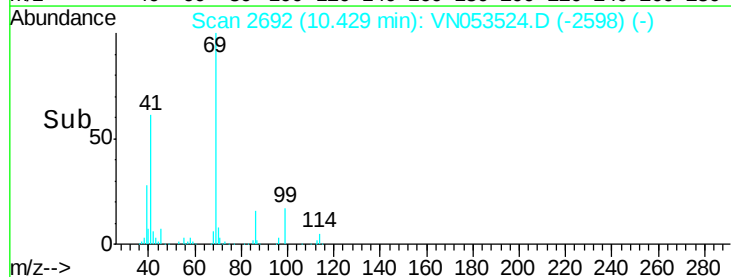
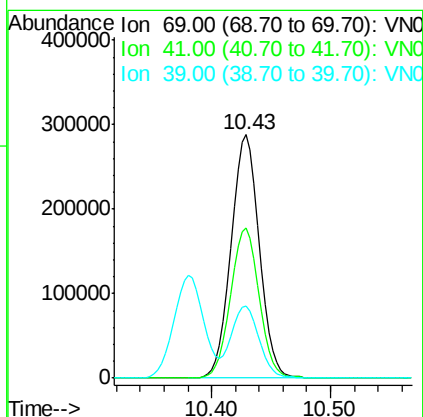
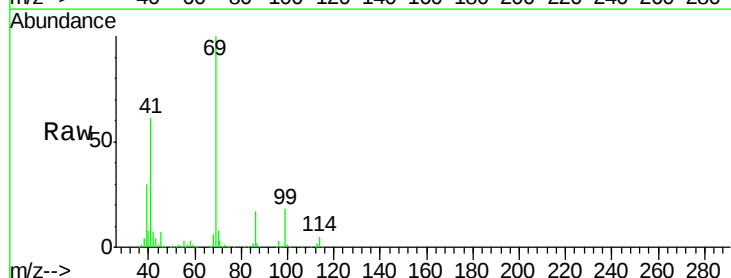
RT: 10.43 min Scan# 2692

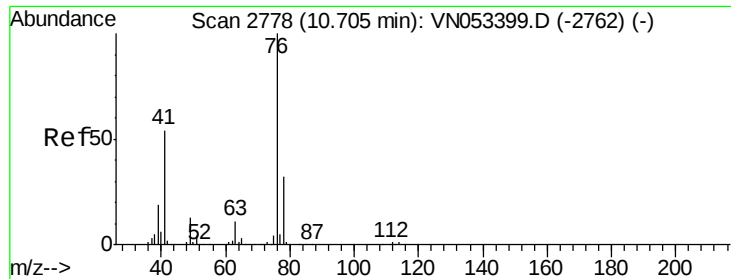
Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Tgt Ion:	69	Resp:	473364
Ion	Ratio	Lower	Upper
69	100		
41	61.7	49.4	74.0
39	29.4	23.3	34.9





#57

1,3-Dichloropropane

Concen: 55.059 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 616130

Ion Ratio Lower Upper

76 100

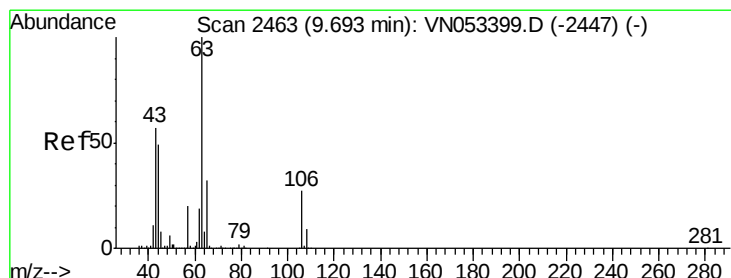
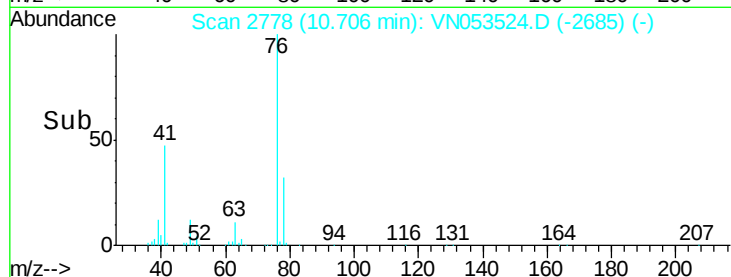
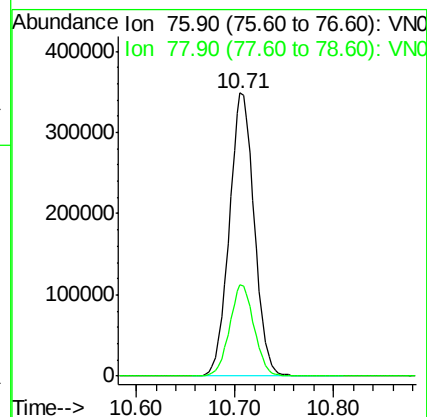
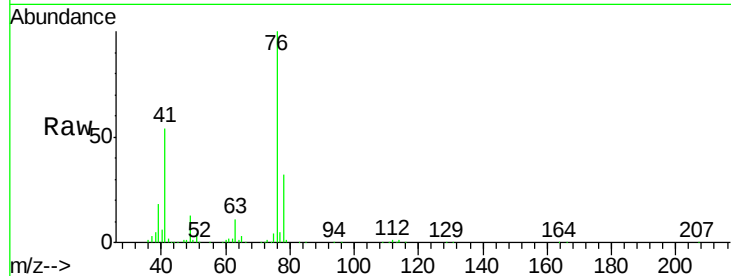
78 31.7 25.6 38.4

Manual Integrations

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1/23/2019 11:00:58 AM



#58

2-Chloroethyl Vinyl ether

Concen: 264.651 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN053524.D

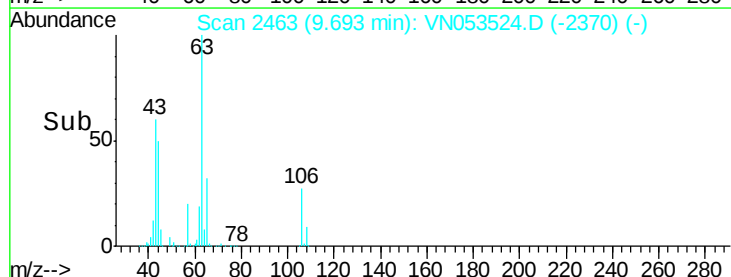
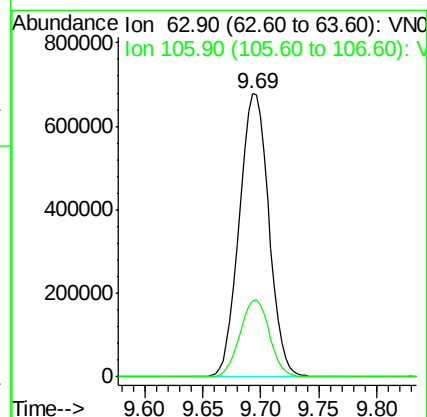
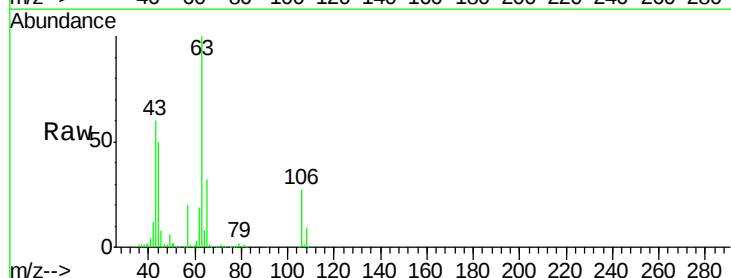
Acq: 22 Jan 2019 17:22

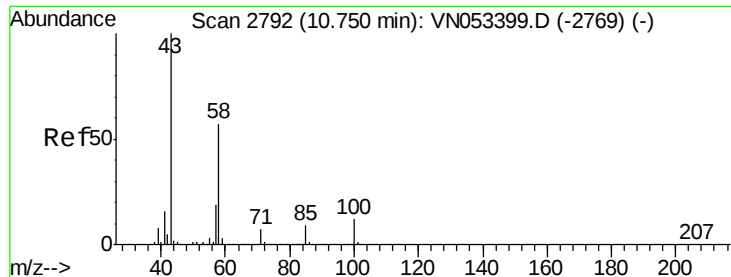
Tgt Ion: 63 Resp: 1197675

Ion Ratio Lower Upper

63 100

106 27.2 21.5 32.3





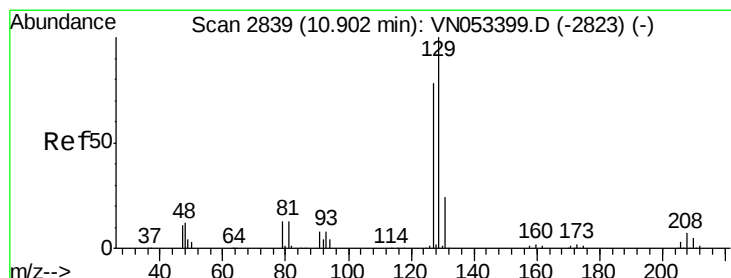
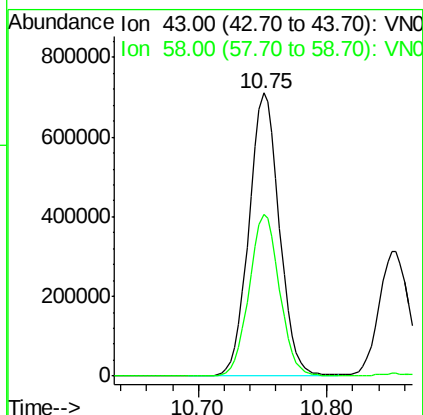
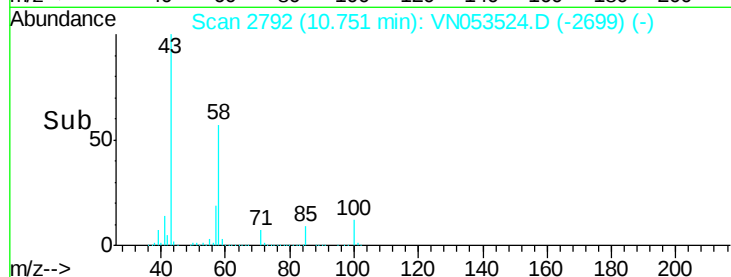
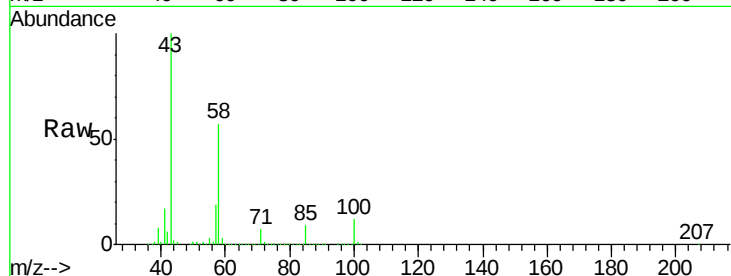
#59
2-Hexanone
Concen: 296.255 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1168069
Ion Ratio Lower Upper
43 100
58 57.3 28.6 85.8

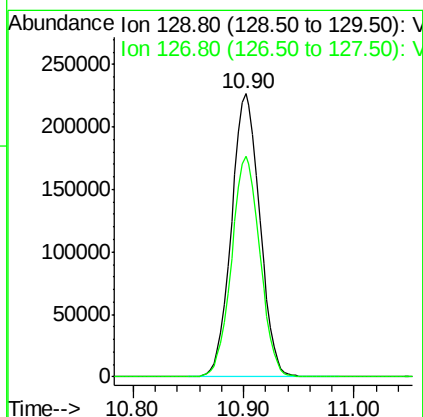
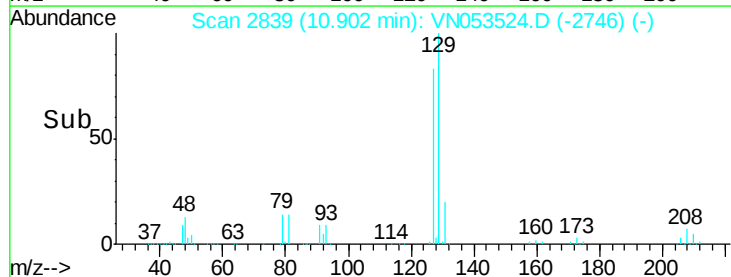
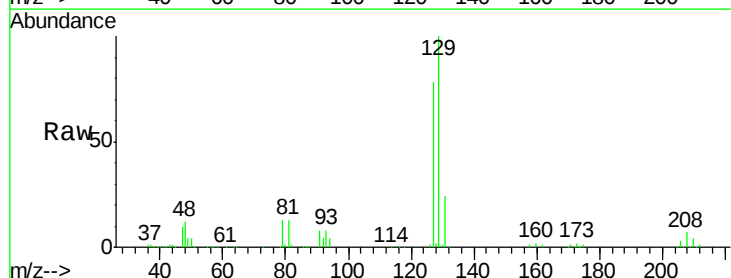
Manual Integrations
APPROVED

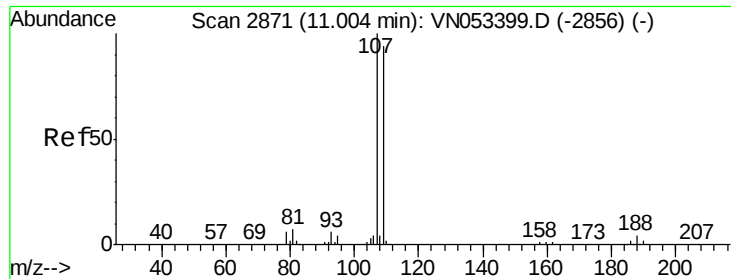
MMDadoda
1/23/2019 11:00:58 AM



#60
Dibromochloromethane
Concen: 55.095 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Tgt Ion: 129 Resp: 404233
Ion Ratio Lower Upper
129 100
127 77.7 38.6 115.8





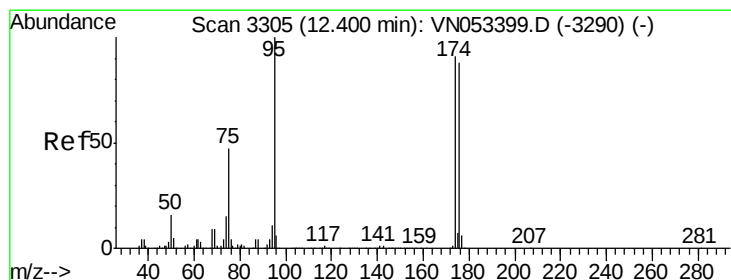
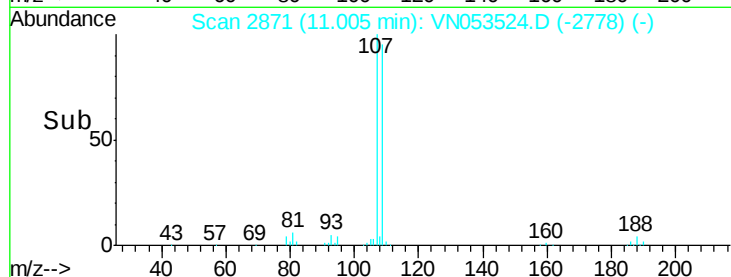
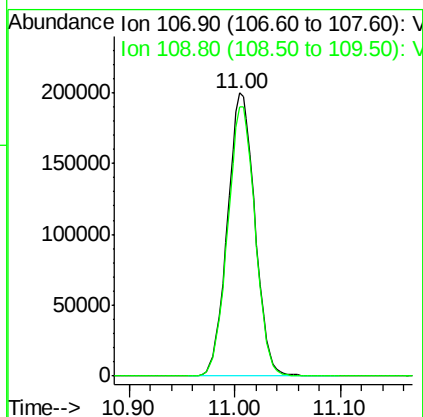
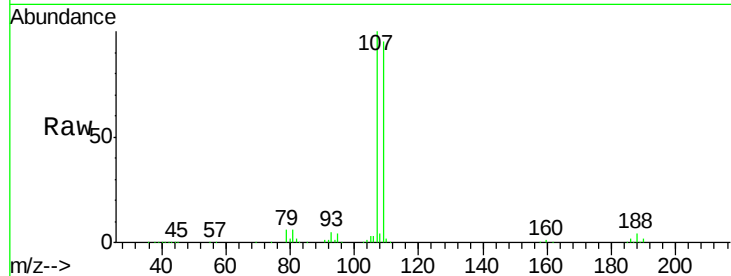
#61
1,2-Dibromoethane
Concen: 54.651 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.4	75.7	113.5

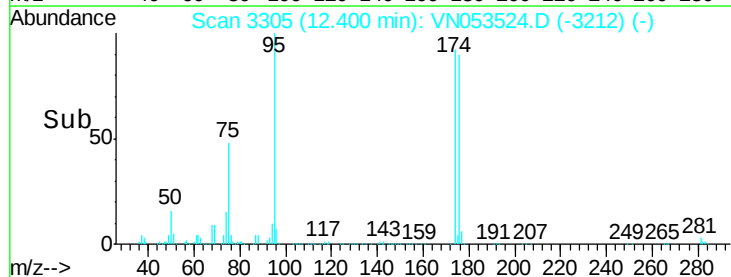
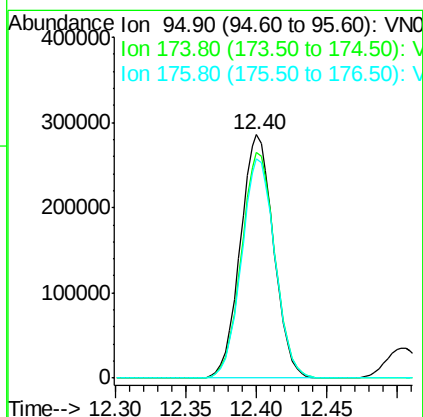
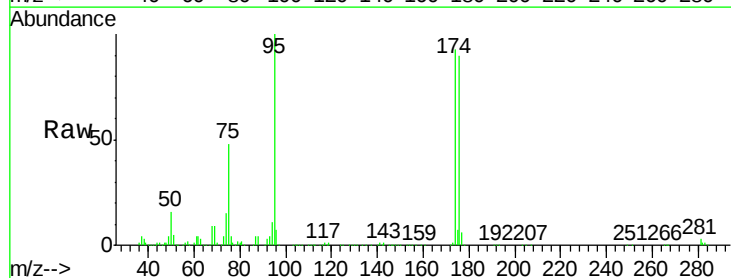
Manual Integrations
APPROVED

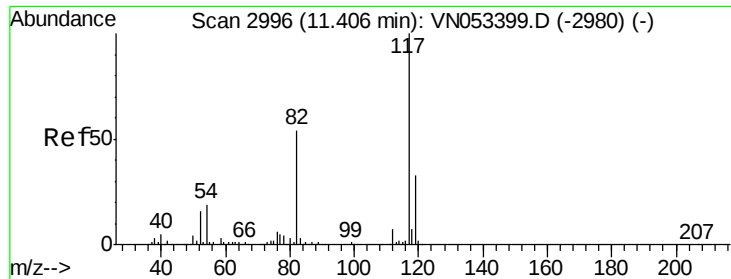
MMDadoda
1/23/2019 11:00:58 AM



#62
4-Bromofluorobenzene
Concen: 54.651 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.3	0.0	183.2
176	90.6	0.0	177.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

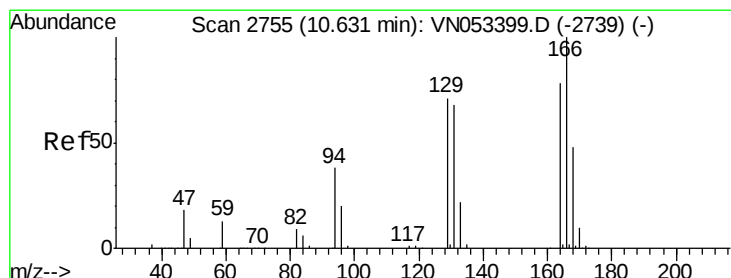
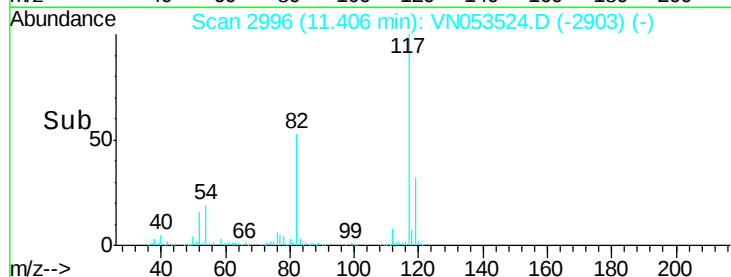
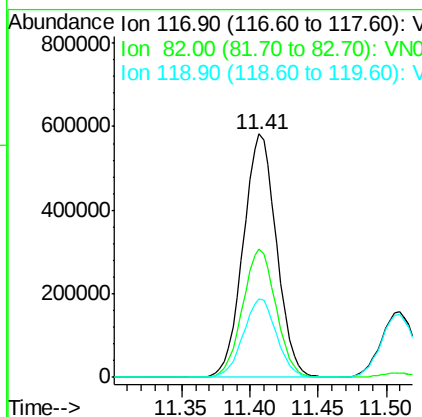
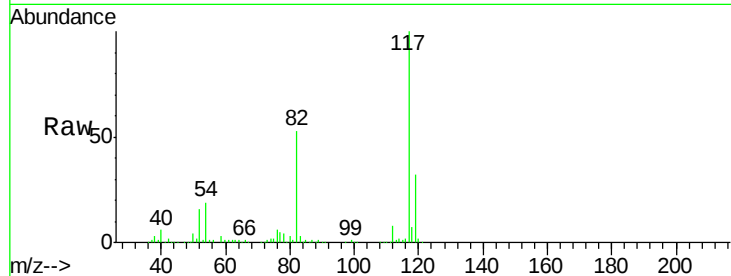
ClientSampleId :

VSTDCCC050EC

Tot Ion:	117	Resp:	985764
Ion Ratio	Lower	Upper	
117	100		
82	52.8	42.9	64.3
119	32.1	26.0	39.0

Manual Integrations
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1/23/2019 11:00:58 AM



#64

Tetrachloroethene

Concen: 52.339 ug/l

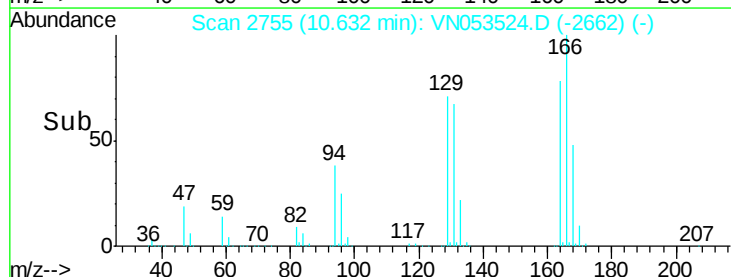
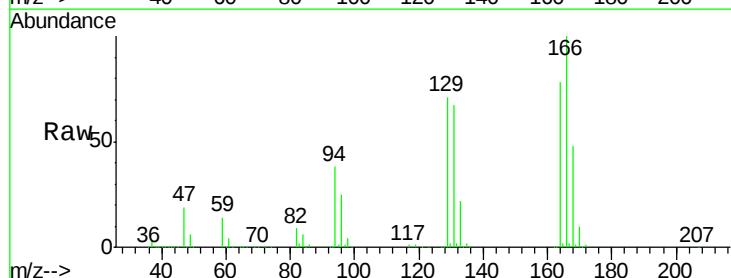
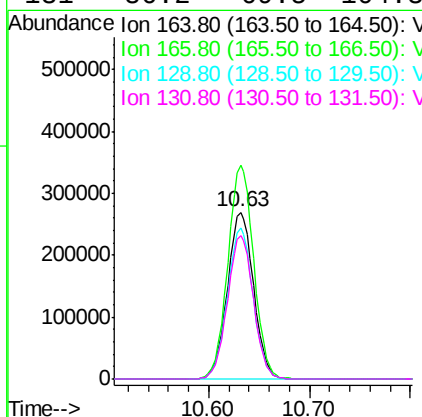
RT: 10.63 min Scan# 2755

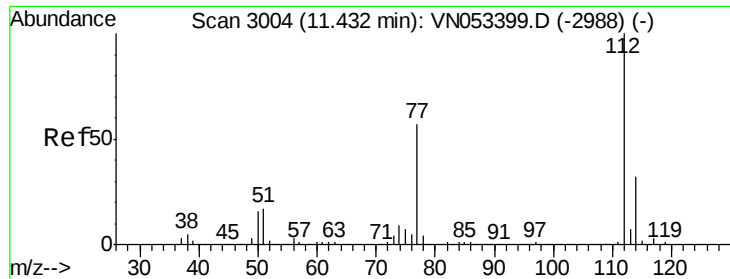
Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Tgt Ion:	164	Resp:	486215
Ion Ratio	Lower	Upper	
164	100		
166	127.9	102.2	153.4
129	90.2	72.6	109.0
131	86.2	69.5	104.3





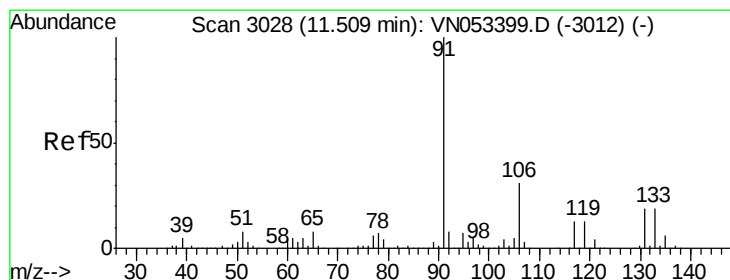
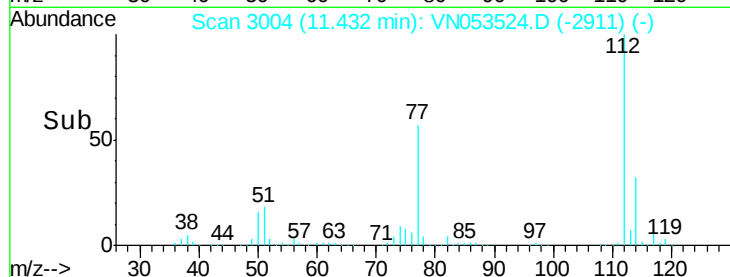
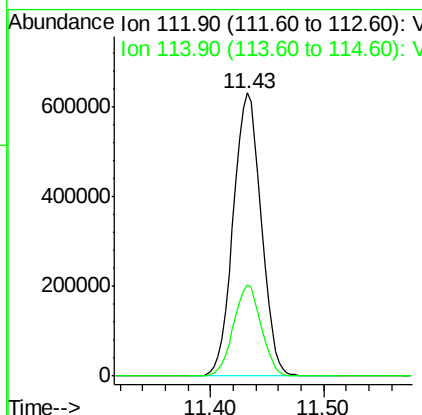
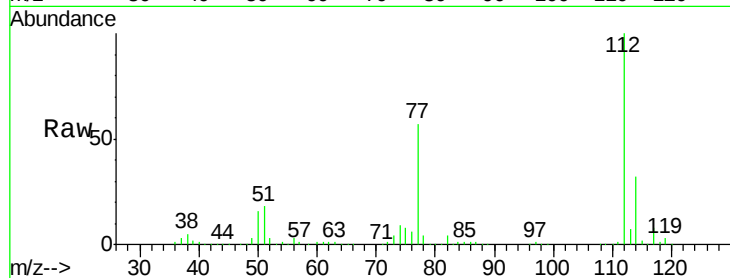
#65
Chlorobenzene
Concen: 52.124 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 1087592
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9

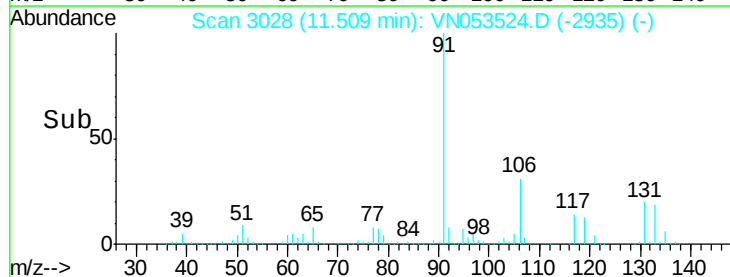
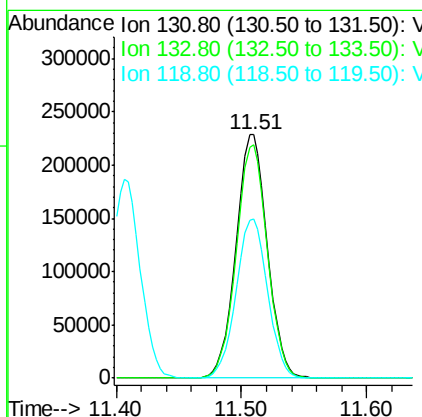
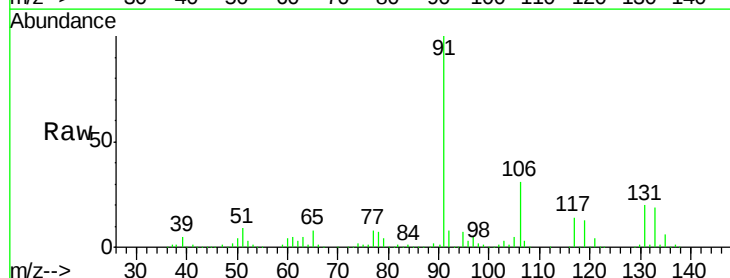
Manual Integrations
APPROVED

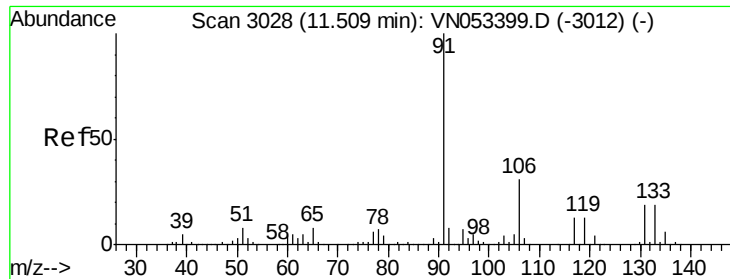
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.419 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Tgt Ion:131 Resp: 395011
Ion Ratio Lower Upper
131 100
133 95.4 48.0 144.0
119 65.9 33.5 100.5





#67

Ethyl Benzene

Concen: 52.600 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 1870416

Ion Ratio Lower Upper

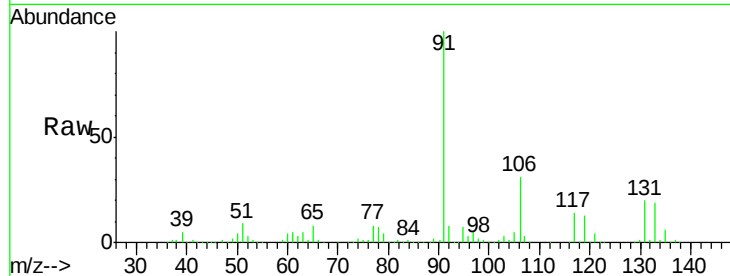
91 100

106 31.2 25.0 37.6

Manual Integrations
APPROVED

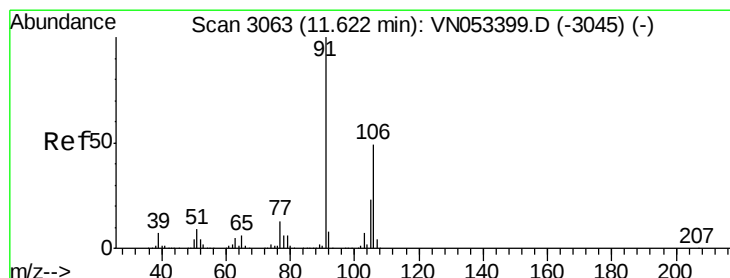
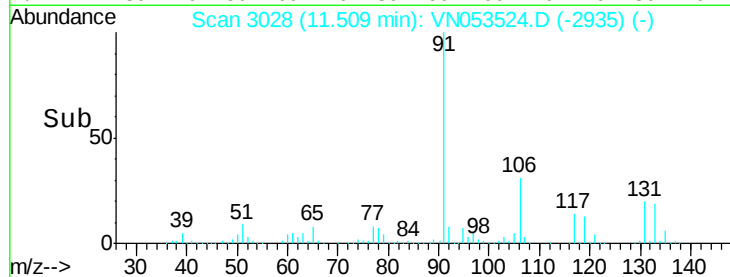
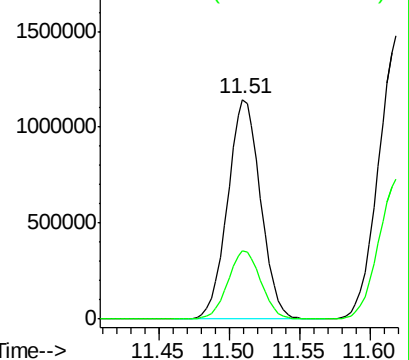
MMDadoda

1/23/2019 11:00:58 AM



Abundance Ion 91.00 (90.70 to 91.70): VN053399.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN053399.D (-3012) (-)



#68

m/p-Xylenes

Concen: 106.709 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053524.D

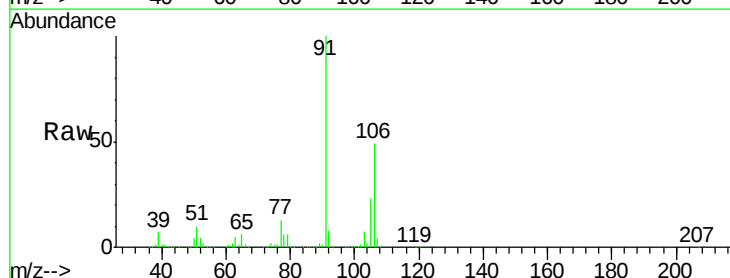
Acq: 22 Jan 2019 17:22

Tgt Ion: 106 Resp: 1432651

Ion Ratio Lower Upper

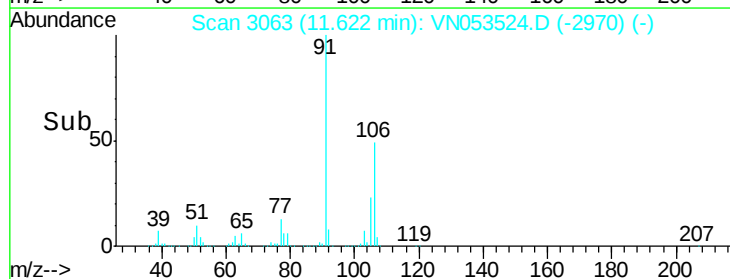
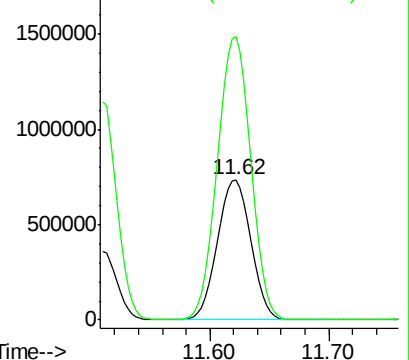
106 100

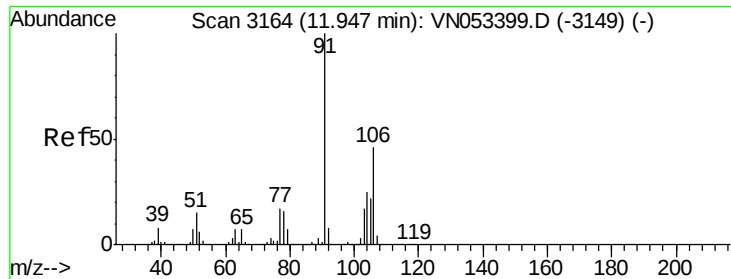
91 201.7 161.4 242.2



Abundance Ion 106.00 (105.70 to 106.70): VN053399.D (-3045) (-)

Ion 91.00 (90.70 to 91.70): VN053399.D (-3045) (-)





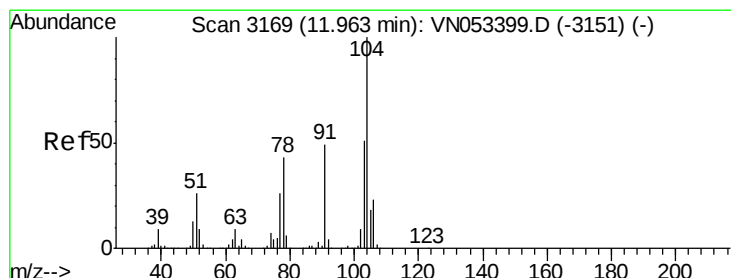
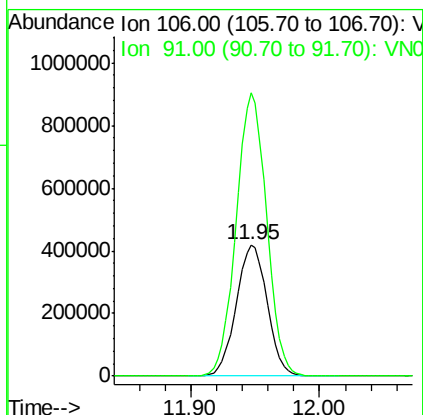
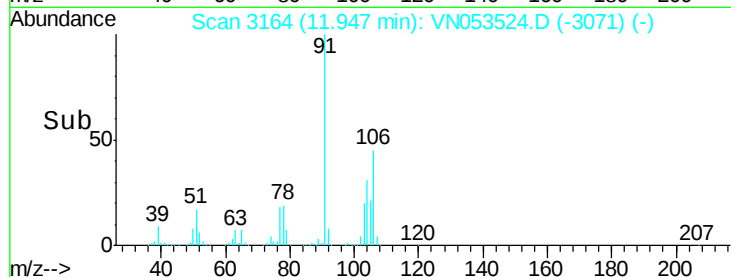
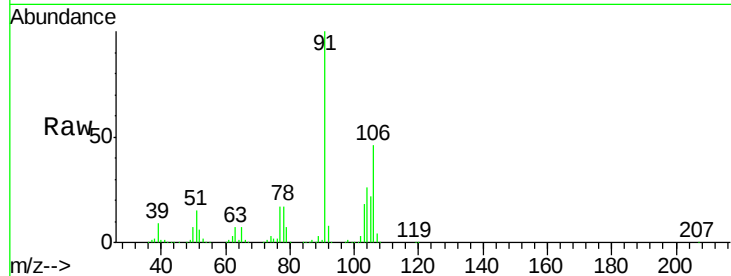
#69
o-Xylene
Concen: 53.404 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 696696
Ion Ratio Lower Upper
106 100
91 212.6 106.9 320.8

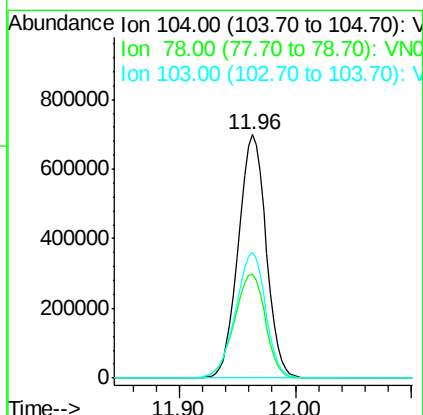
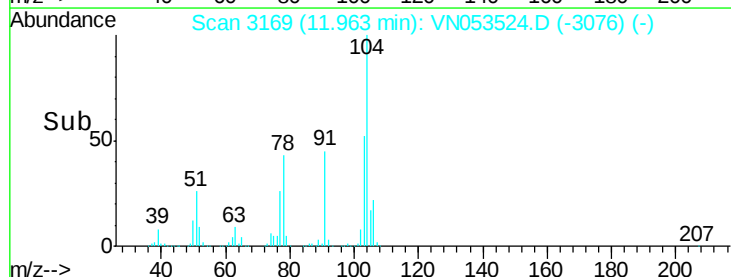
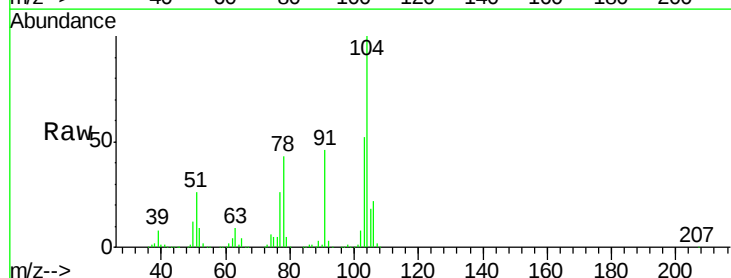
Manual Integrations
APPROVED

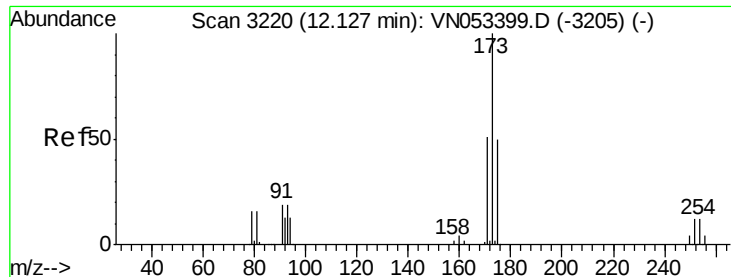
MMDadoda
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#70
Styrene
Concen: 55.016 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Tgt Ion:104 Resp: 1164838
Ion Ratio Lower Upper
104 100
78 47.7 38.2 57.2
103 55.6 44.4 66.6





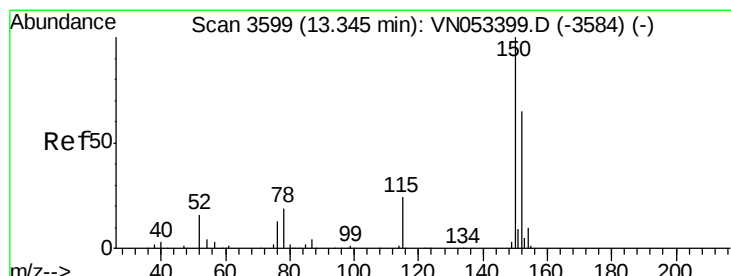
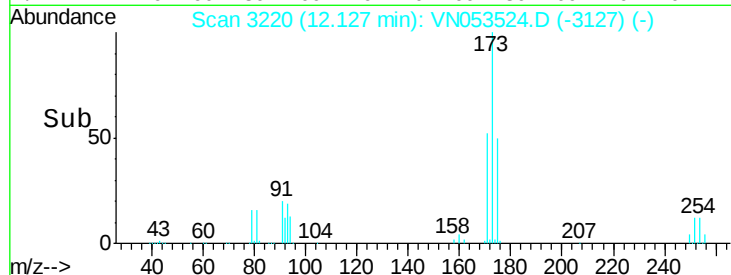
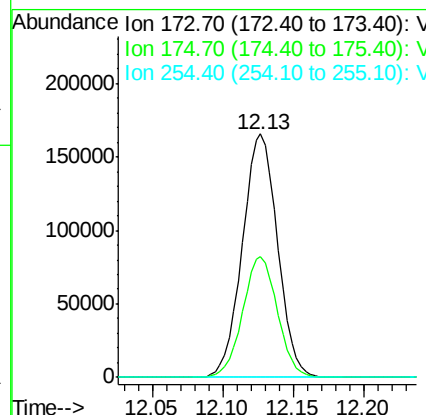
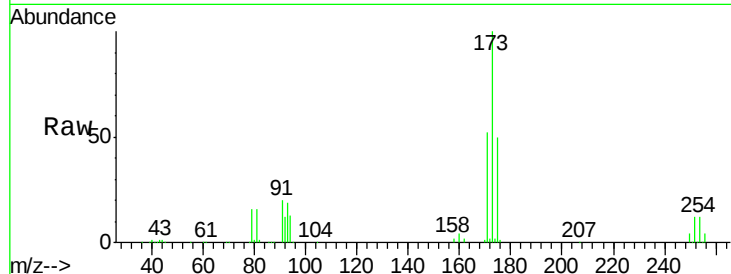
#71
Bromoform
Concen: 57.836 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.6	74.0
254	0.1	0.2	0.2

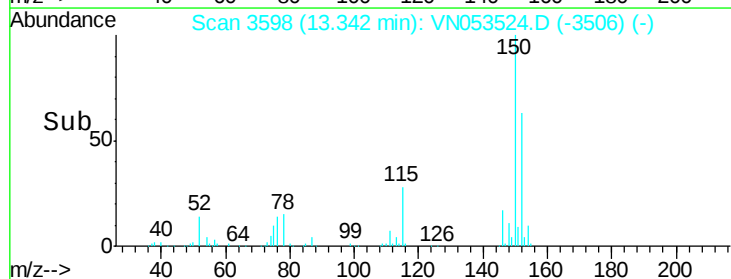
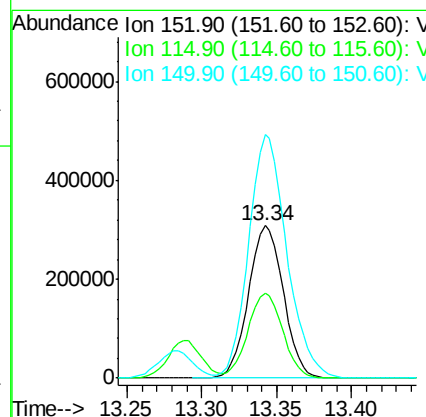
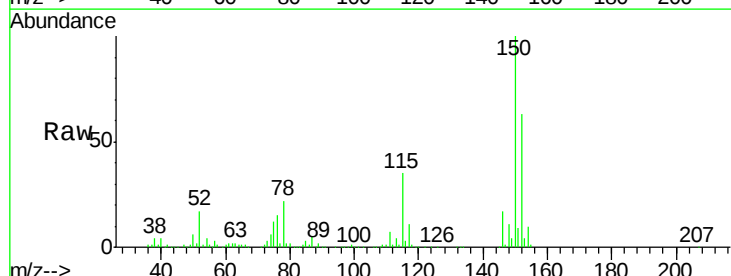
Manual Integrations
APPROVED

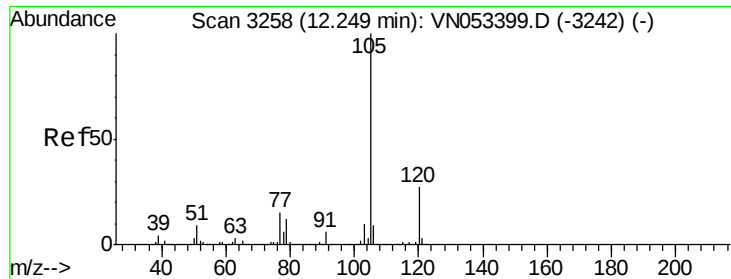
MMDadoda
1/23/2019 11:00:58 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	27.8	83.4
150	174.3	0.0	349.0





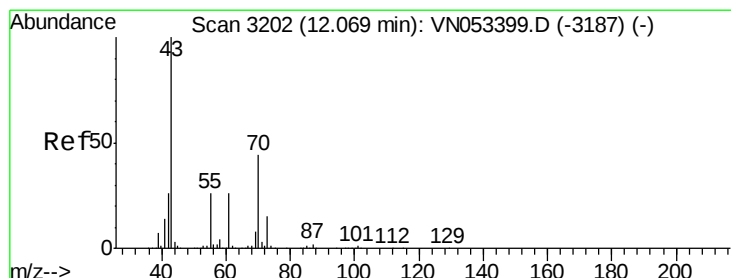
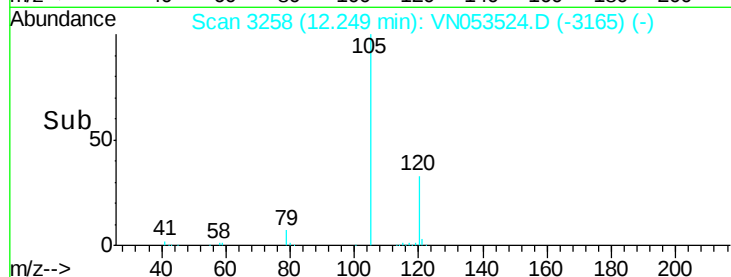
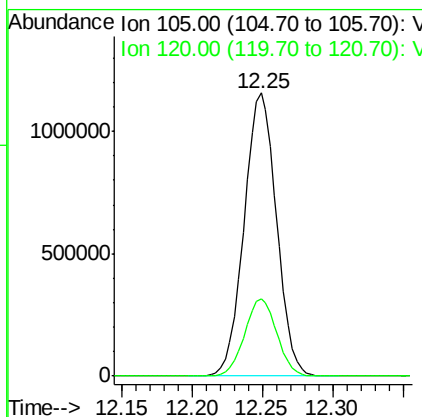
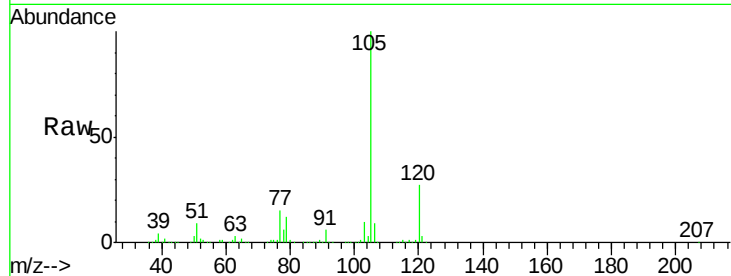
#73
Isopropylbenzene
Concen: 50.846 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 1860765
Ion Ratio Lower Upper
105 100
120 27.1 13.6 40.7

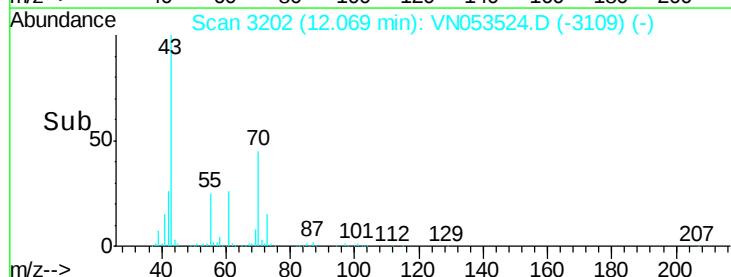
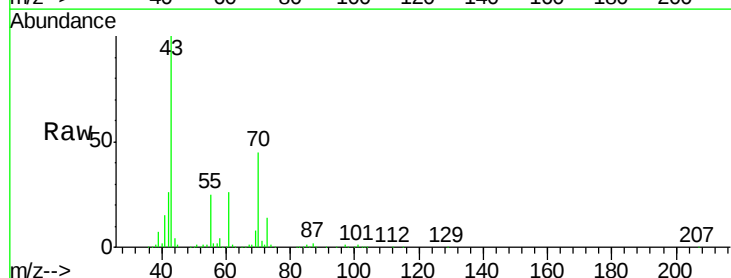
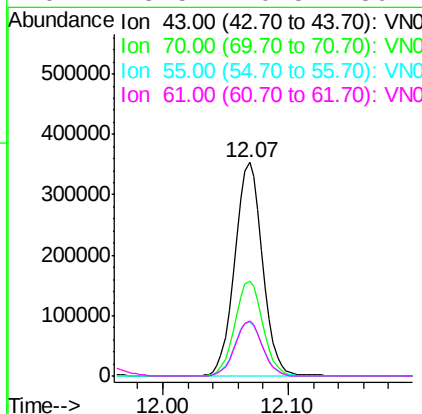
Manual Integrations
APPROVED

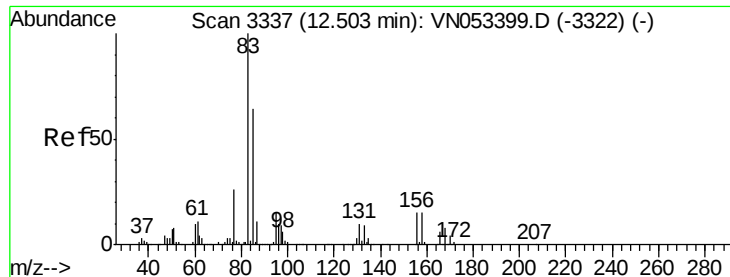
MMDadoda
1/23/2019 11:00:58 AM



#74
N-ethyl acetate
Concen: 55.292 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Tgt Ion: 43 Resp: 539415
Ion Ratio Lower Upper
43 100
70 45.1 35.4 53.2
55 26.0 20.9 31.3
61 25.5 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 53.049 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 407165

Ion Ratio Lower Upper

83 100

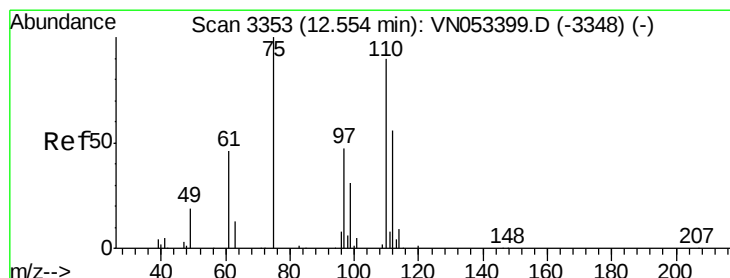
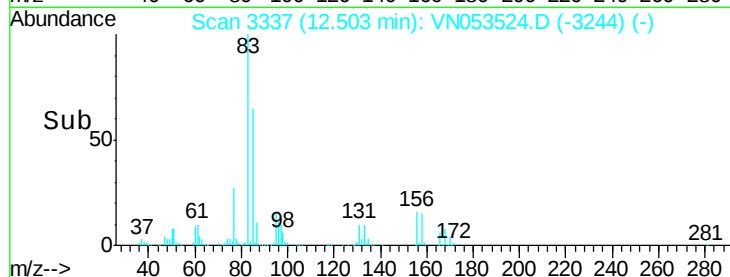
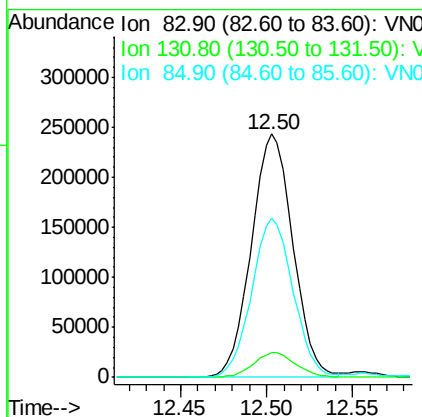
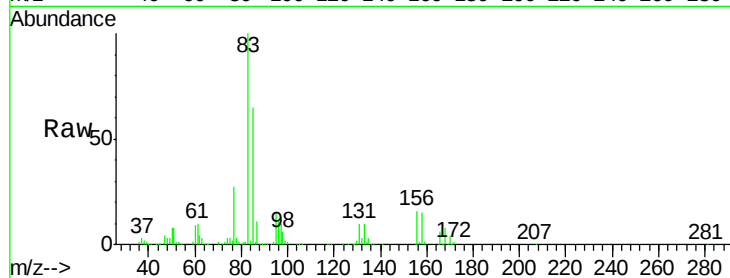
131 10.5 5.3 15.8

85 65.1 32.1 96.3

Manual Integrations
APPROVED

MMDadoda

1/23/2019 11:00:58 AM



#76

1,2,3-Trichloropropane

Concen: 64.825 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053524.D

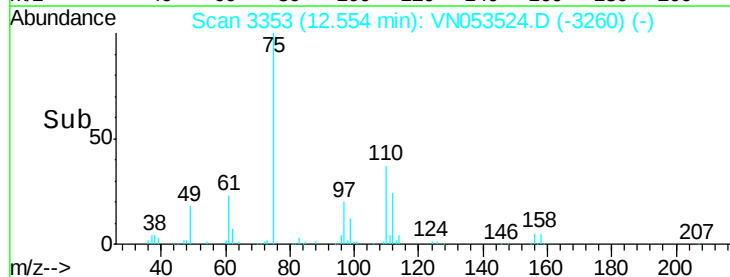
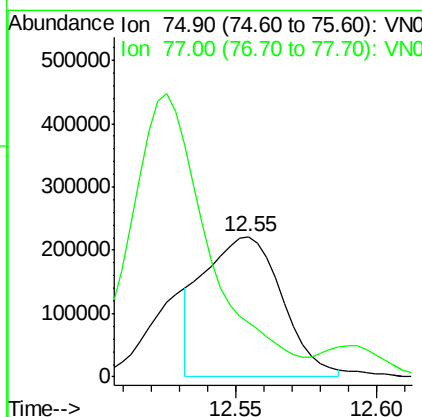
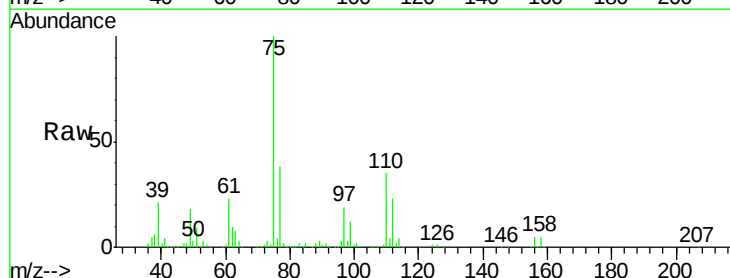
Acq: 22 Jan 2019 17:22

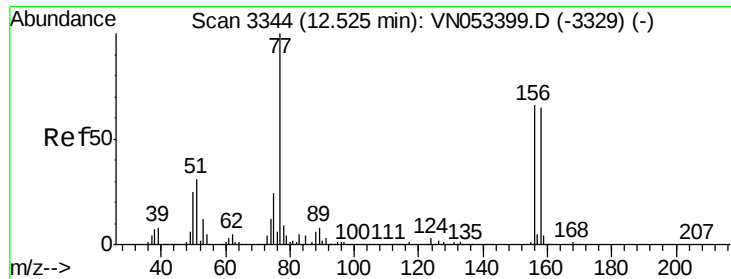
Tgt Ion: 75 Resp: 426910

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





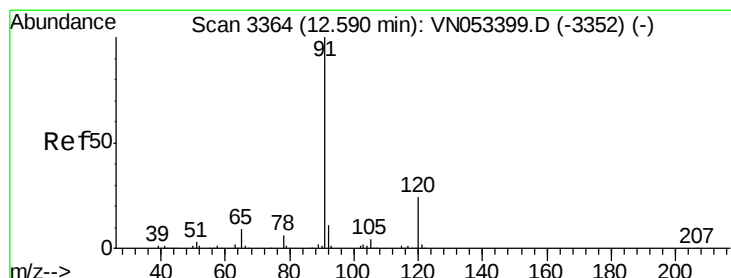
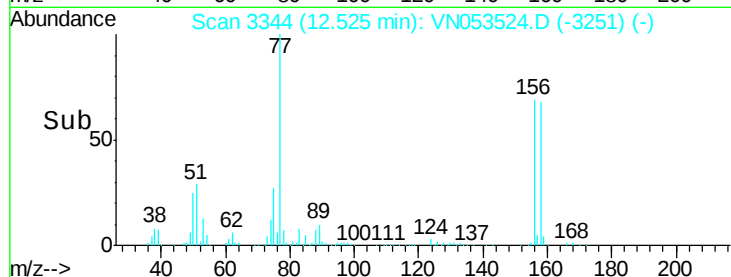
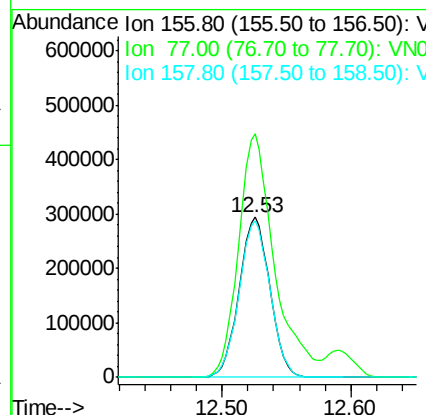
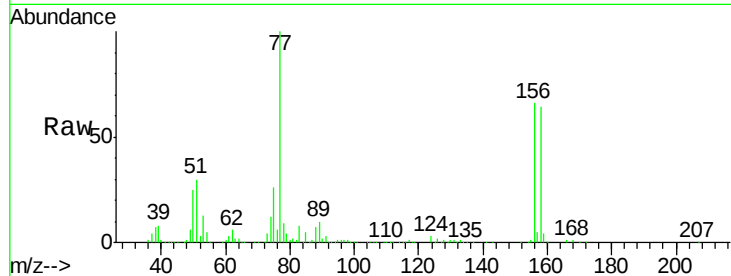
#77
Bromobenzene
Concen: 50.512 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	177.6	87.9	263.8
158	98.2	48.8	146.4

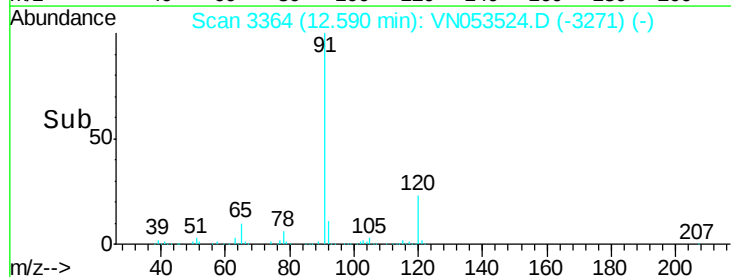
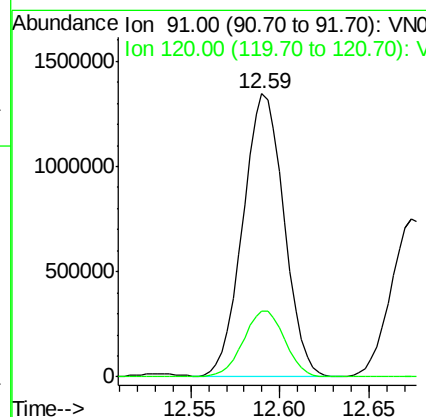
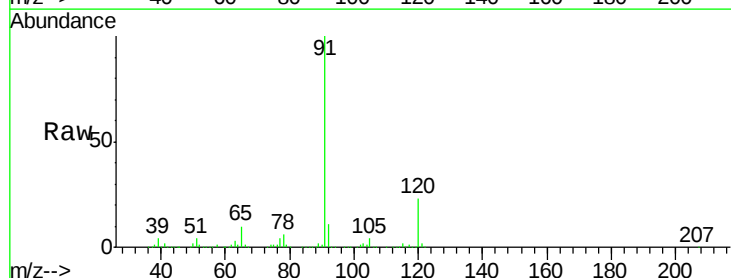
Manual Integrations
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1/23/2019 11:00:58 AM



#78
n-propylbenzene
Concen: 51.287 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.9	35.5





#79

2-Chlorotoluene

Concen: 50.168 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1249173

Ion Ratio Lower Upper

91 100

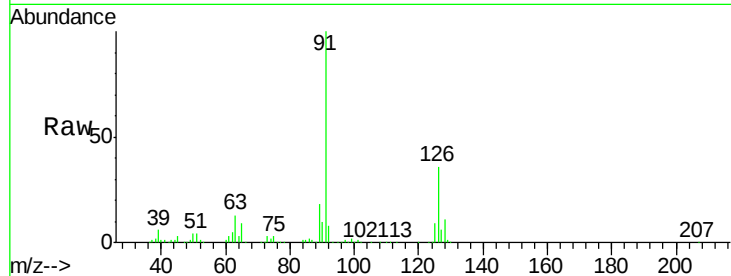
126 35.8 17.9 53.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN053399.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN053399.D (-3378) (-)

1000000

800000

600000

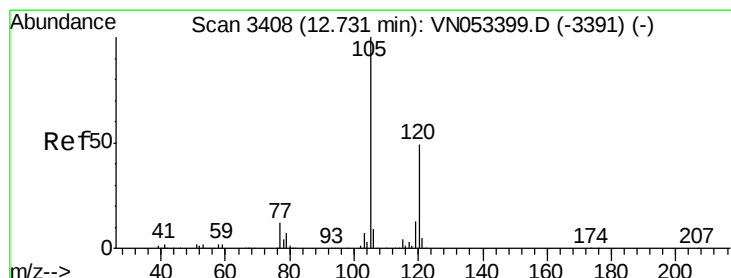
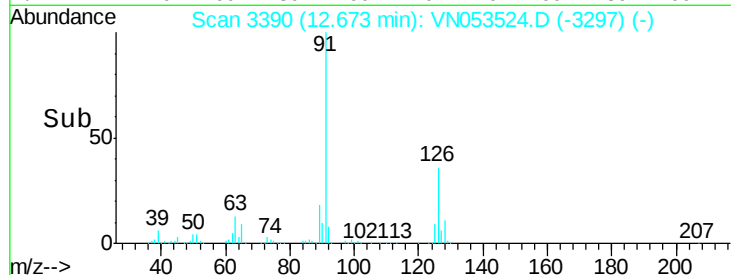
400000

200000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.985 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053524.D

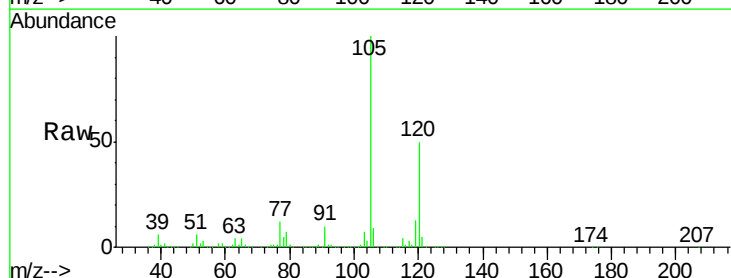
Acq: 22 Jan 2019 17:22

Tgt Ion: 105 Resp: 1547886

Ion Ratio Lower Upper

105 100

120 49.8 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN053399.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN053399.D (-3391) (-)

1000000

800000

600000

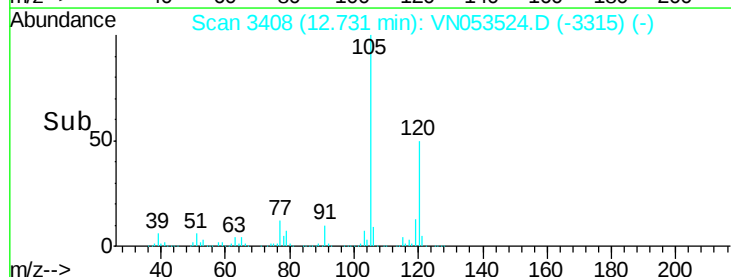
400000

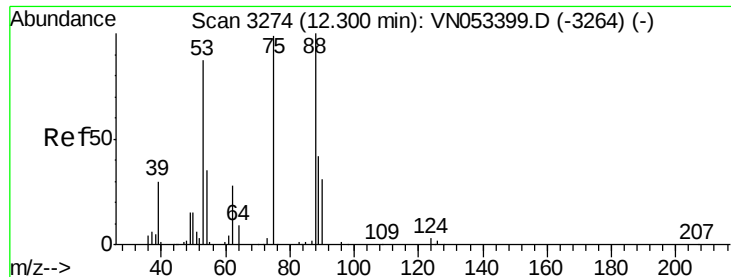
200000

0

12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 49.958 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 129995

Ion Ratio Lower Upper

75 100

53 91.7 69.8 104.6

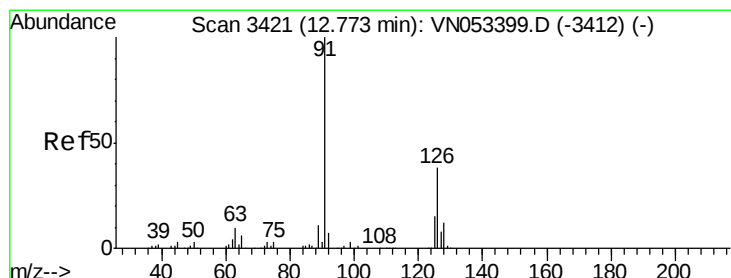
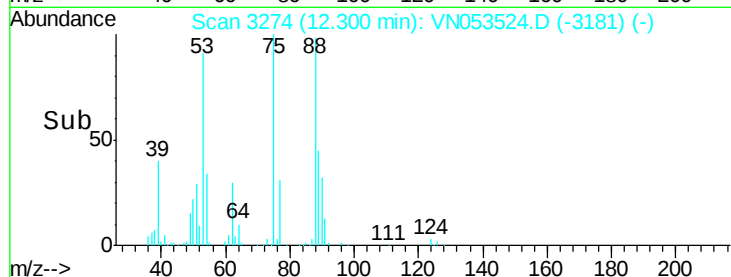
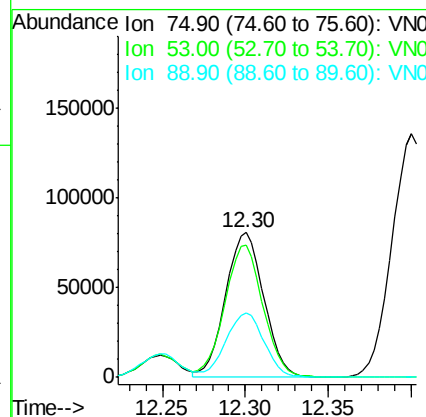
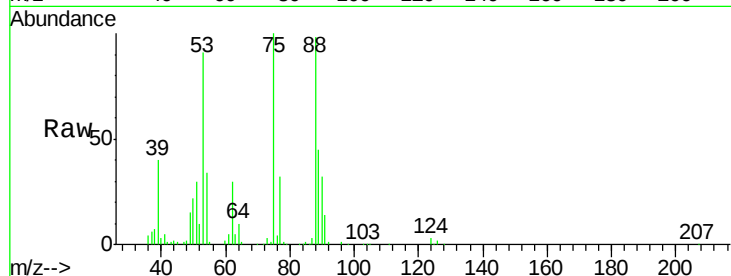
89 44.6 35.6 53.4

Manual Integrations

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#82

4-Chlorotoluene

Concen: 50.292 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053524.D

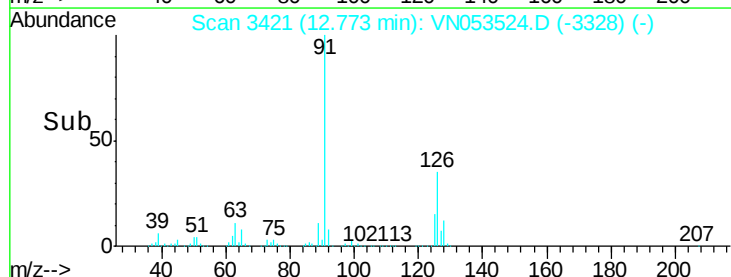
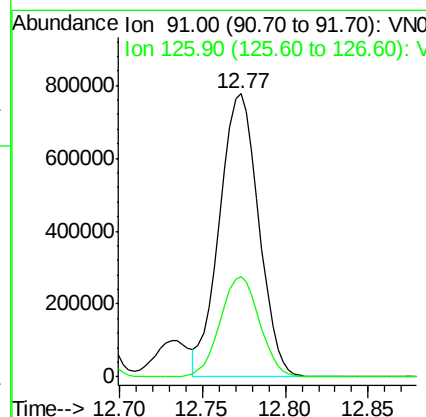
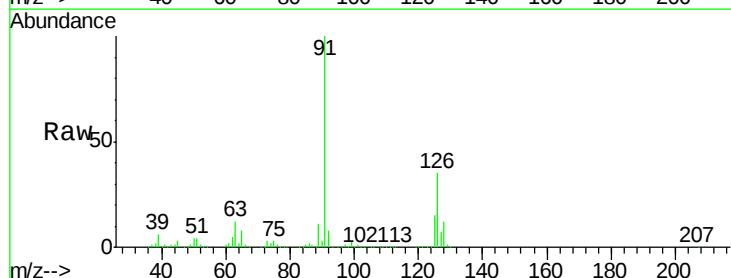
Acq: 22 Jan 2019 17:22

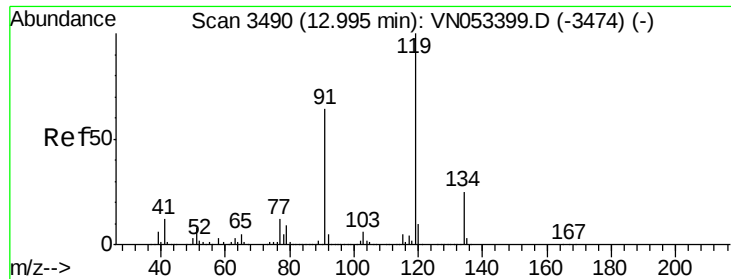
Tgt Ion: 91 Resp: 1277048

Ion Ratio Lower Upper

91 100

126 35.4 17.6 52.9





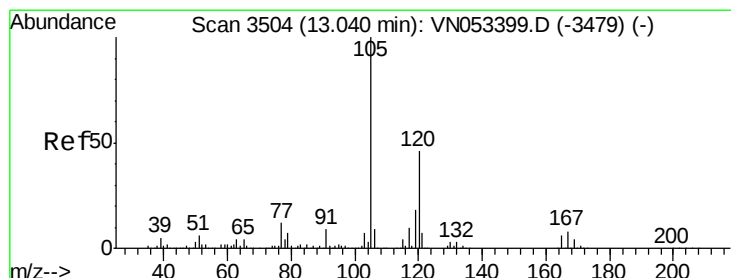
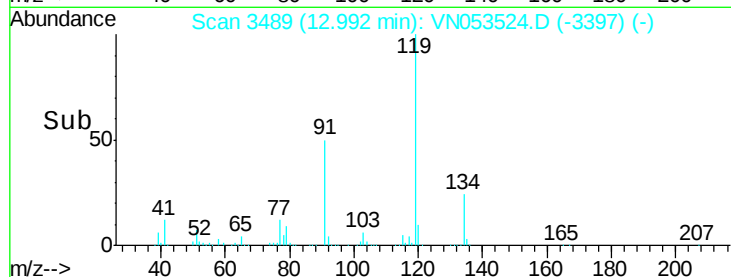
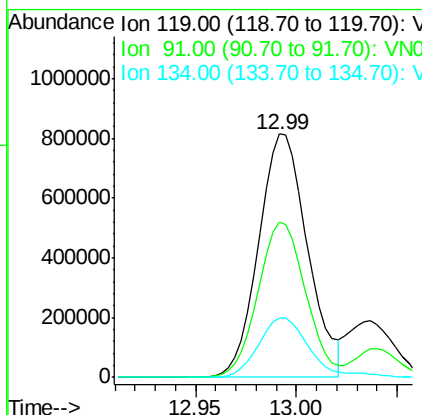
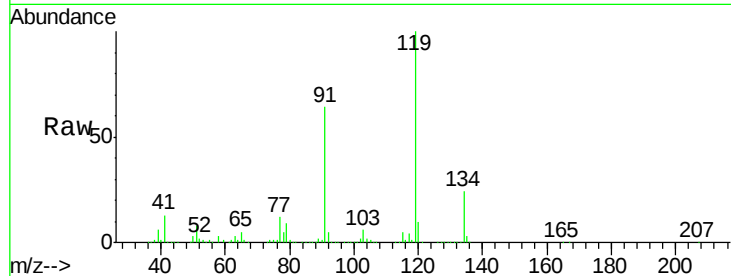
#83
tert-Butylbenzene
Concen: 52.314 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.9	31.3	93.8
134	25.6	12.9	38.7

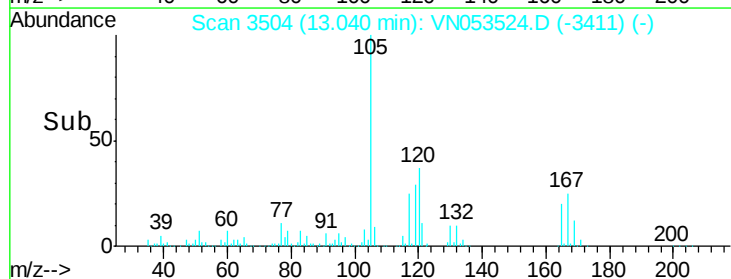
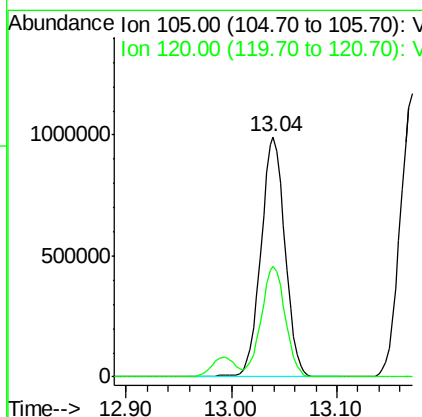
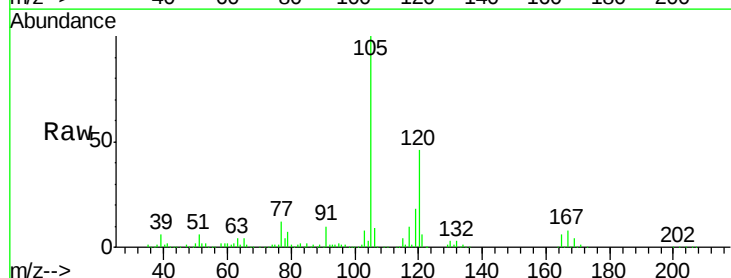
Manual Integrations
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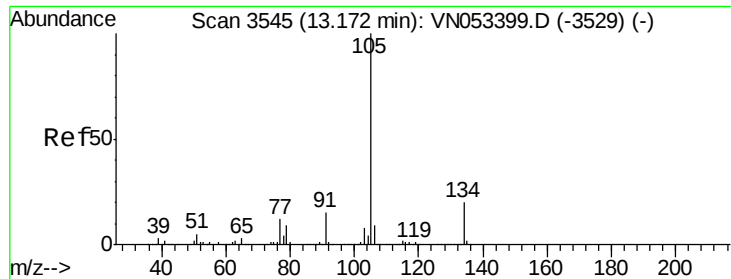
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 52.613 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.0	69.0





#85

sec-Butylbenzene

Concen: 51.920 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1872586

Ion Ratio Lower Upper

105 100

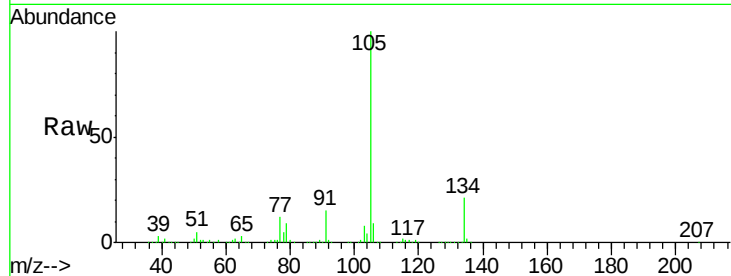
134 20.5 10.2 30.6

Manual Integrations

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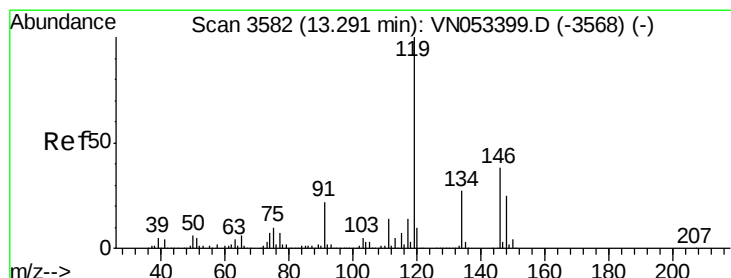
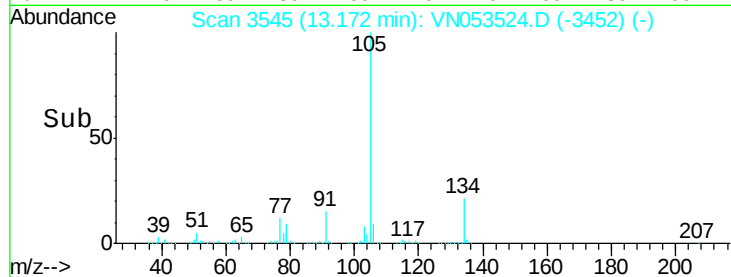
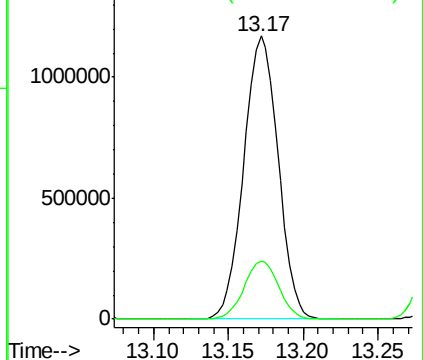
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.731 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

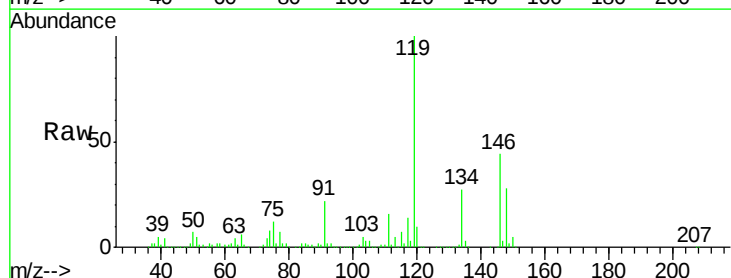
Tgt Ion:119 Resp: 1651363

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.4

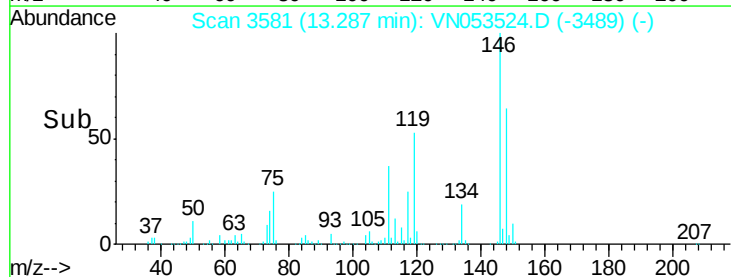
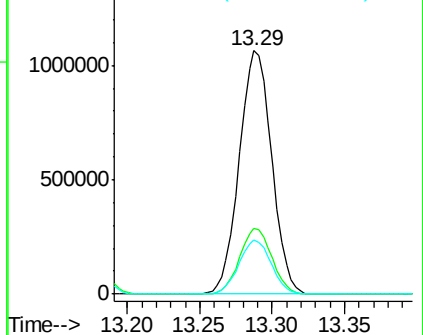
91 22.0 11.0 33.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





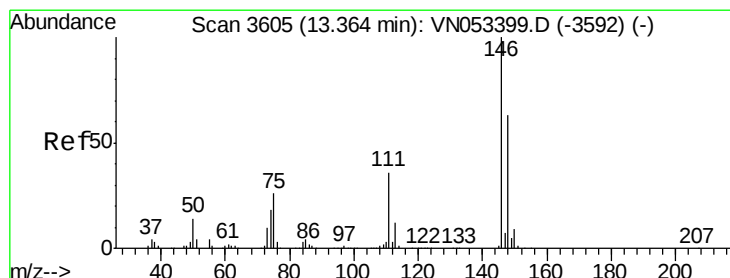
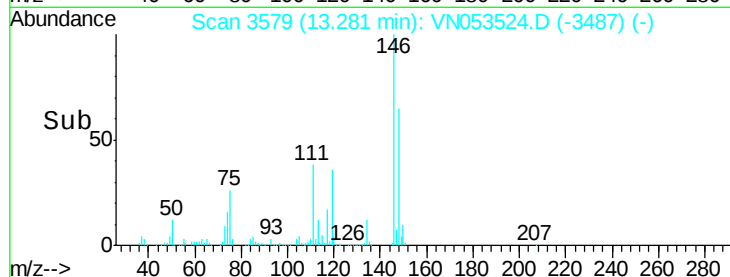
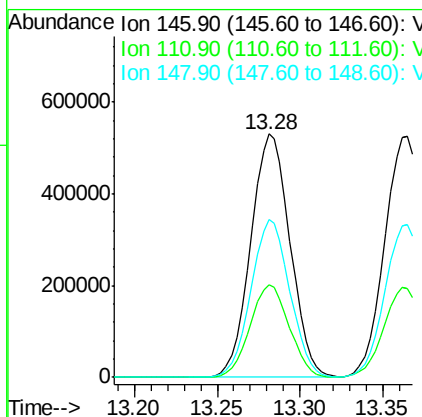
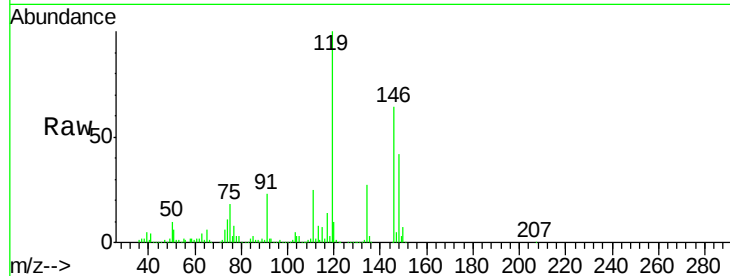
#87
 1,3-Dichlorobenzene
 Concen: 51.387 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN053524.D
 Acq: 22 Jan 2019 17:22

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.8	56.3
148	64.2	32.0	96.2

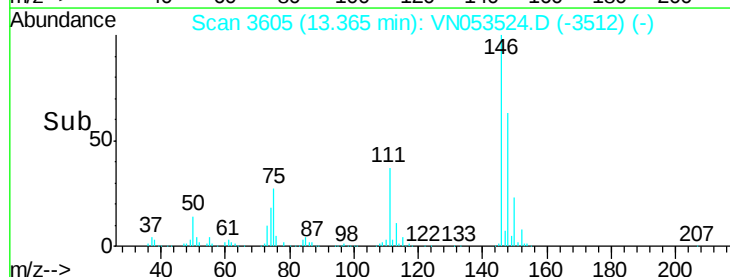
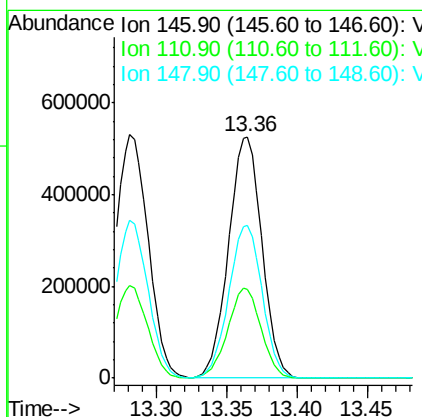
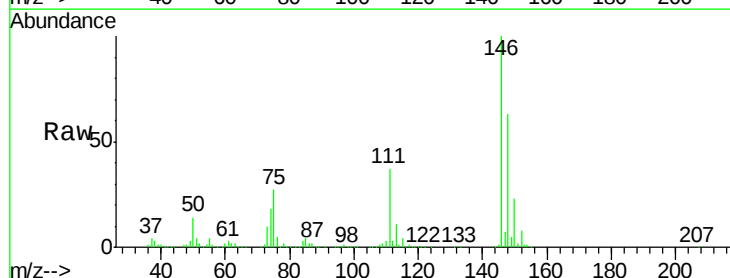
Manual Integrations
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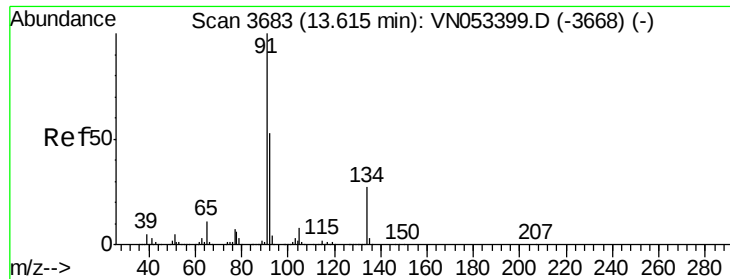
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 1/23/2019 11:00:58 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.107 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053524.D
 Acq: 22 Jan 2019 17:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.6	55.8
148	63.6	32.4	97.0





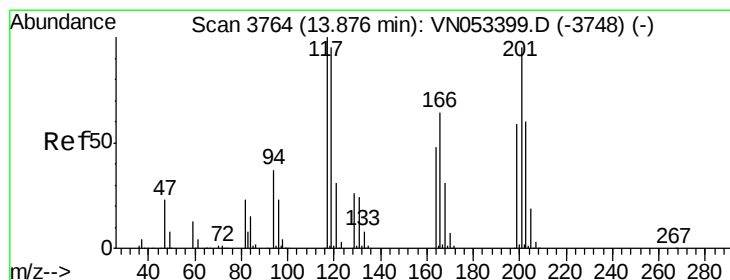
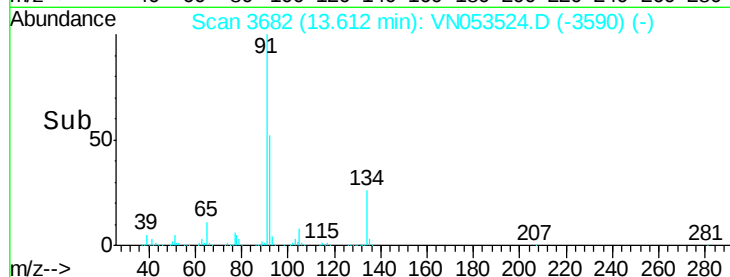
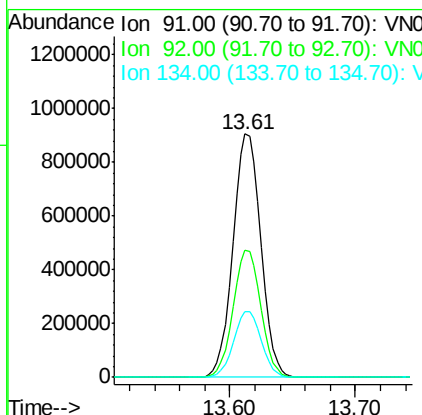
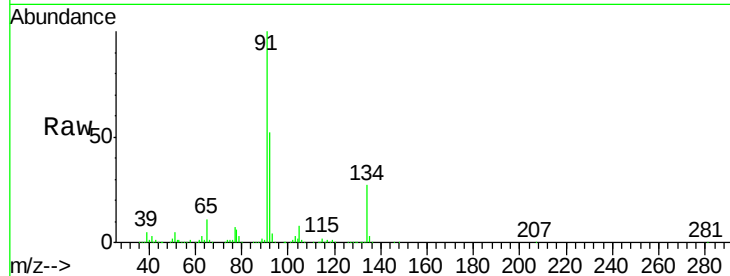
#89
n-Butylbenzene
Concen: 52.145 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1391986
Ion Ratio Lower Upper
91 100
92 51.9 26.3 78.8
134 27.0 13.5 40.5

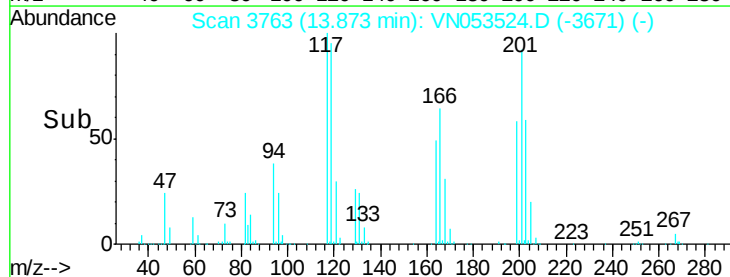
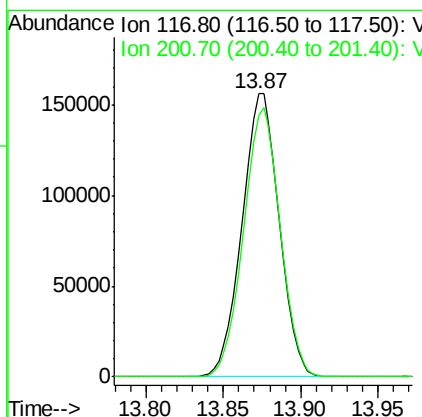
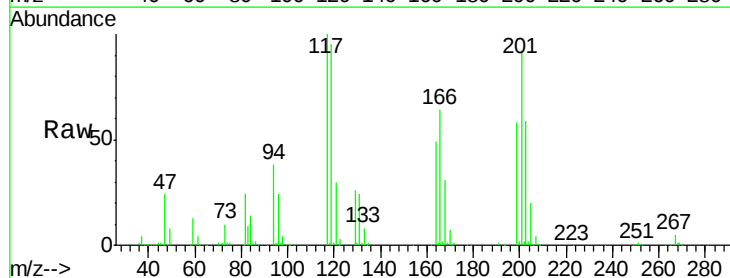
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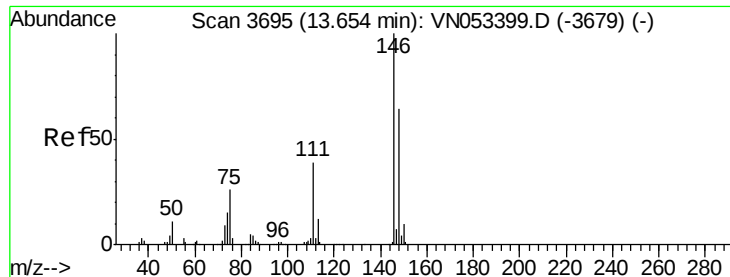
MMDadoda
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#90
Hexachloroethane
Concen: 53.116 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053524.D
Acq: 22 Jan 2019 17:22

Tgt Ion: 117 Resp: 260879
Ion Ratio Lower Upper
117 100
201 93.9 46.8 140.4





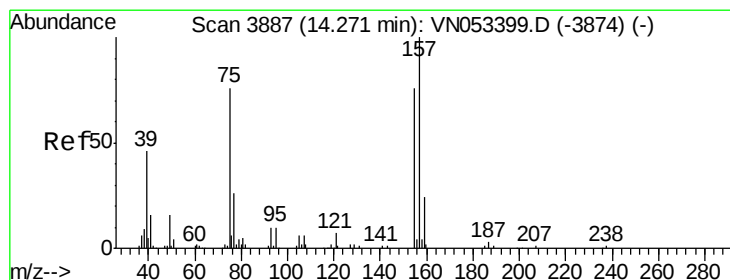
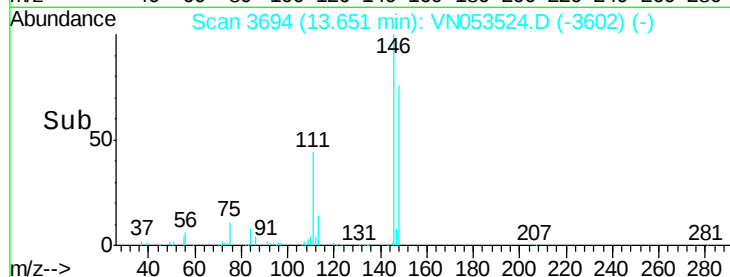
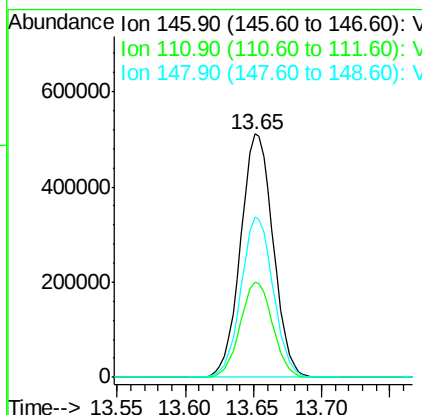
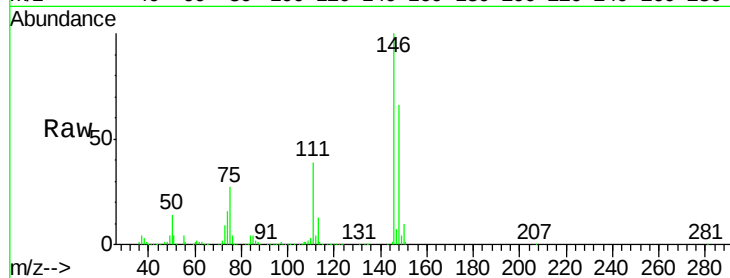
#91
 1,2-Dichlorobenzene
 Concen: 54.270 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN053524.D
 Acq: 22 Jan 2019 17:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.5	58.5
148	65.0	31.9	95.9

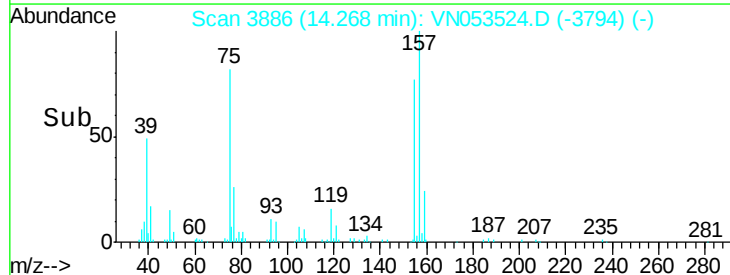
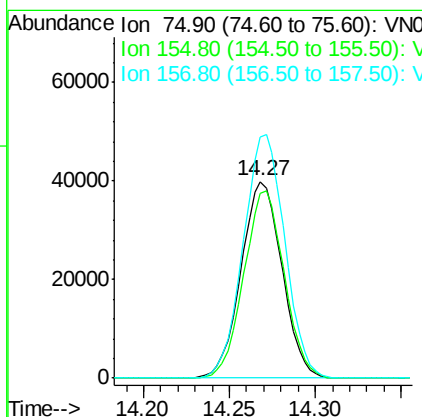
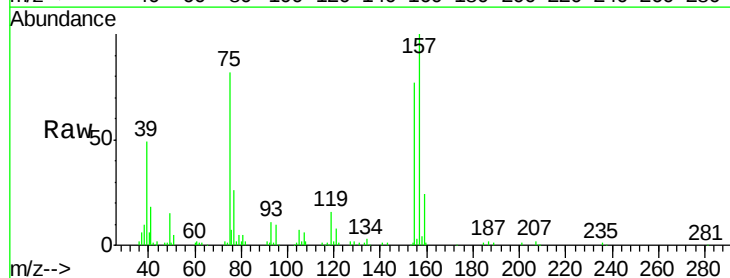
Manual Integrations
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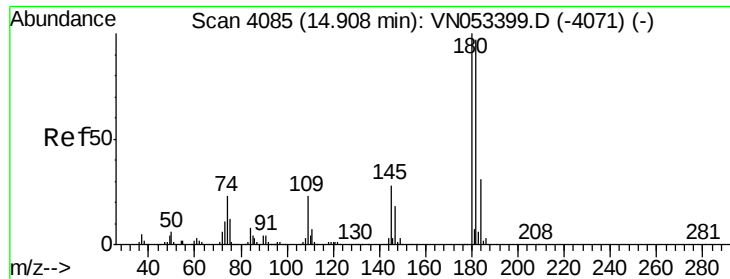
MMDadoda
 1/23/2019 11:00:58 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 67.708 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053524.D
 Acq: 22 Jan 2019 17:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.2	48.9	146.7
157	125.7	63.7	191.3





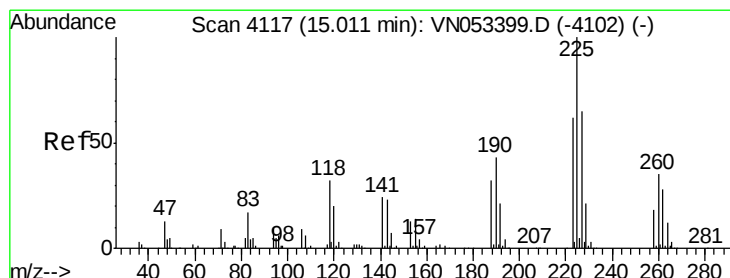
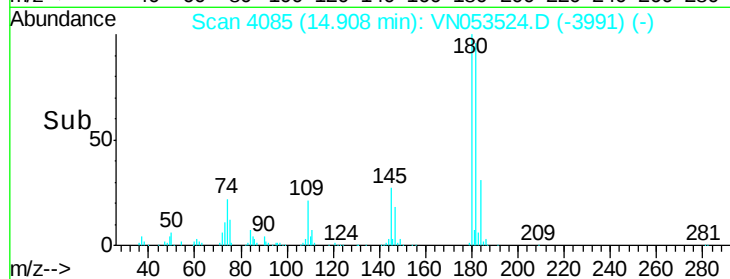
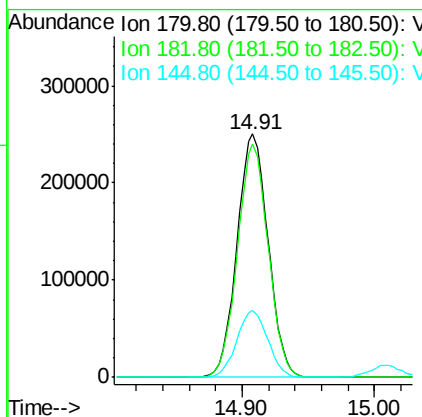
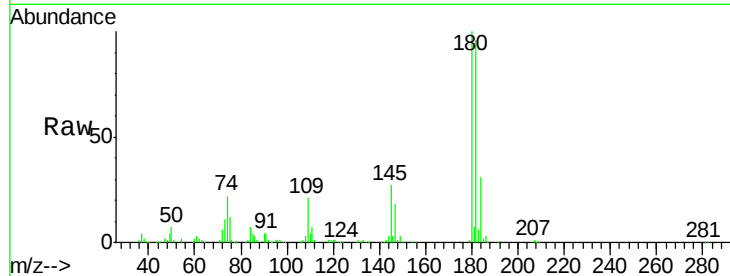
#93
 1,2,4-Trichlorobenzene
 Concen: 58.530 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053524.D
 Acq: 22 Jan 2019 17:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.7	48.1	144.3	
145	27.6	13.9	41.6	

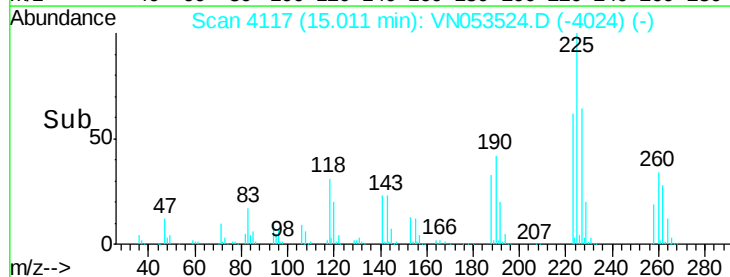
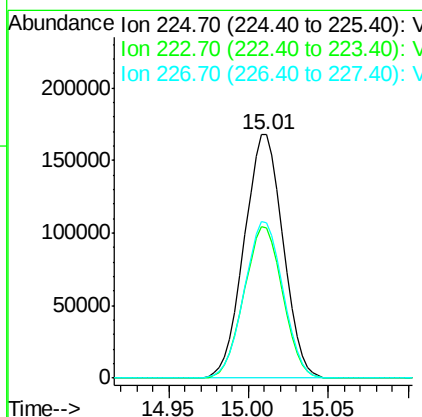
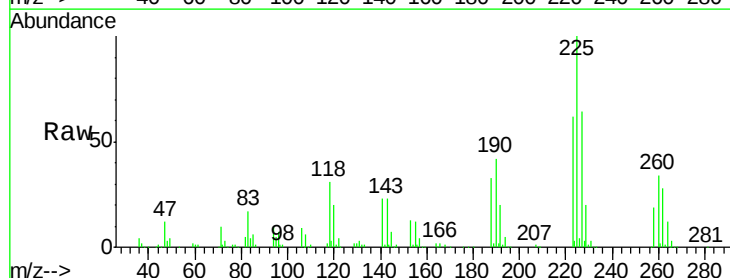
Manual Integrations
 APPROVED

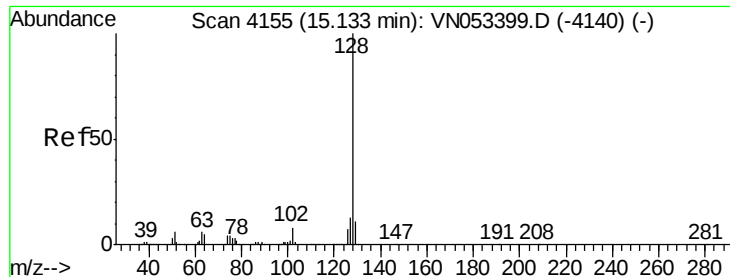
MMDadoda
 1/23/2019 11:00:58 AM



#94
 Hexachlorobutadiene
 Concen: 57.440 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053524.D
 Acq: 22 Jan 2019 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.8	31.1	93.2	
227	64.1	32.0	96.2	





#95

Naphthalene

Concen: 60.159 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Instrument :

MSVOA_N

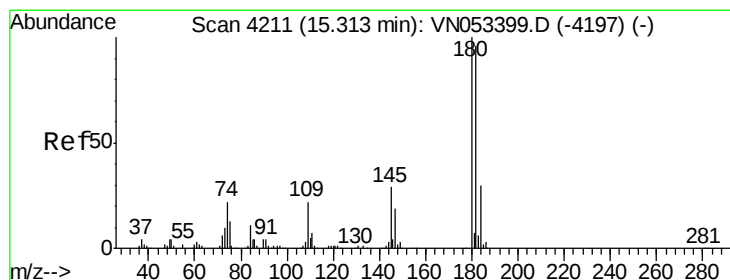
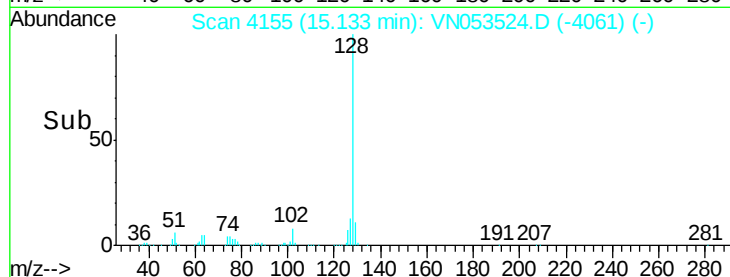
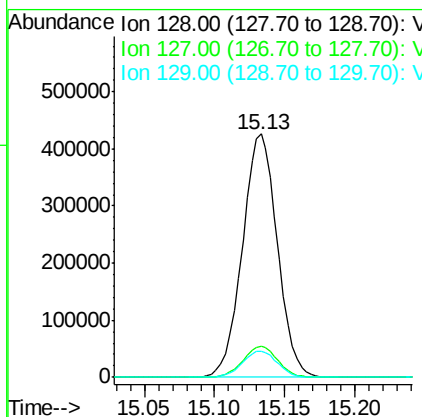
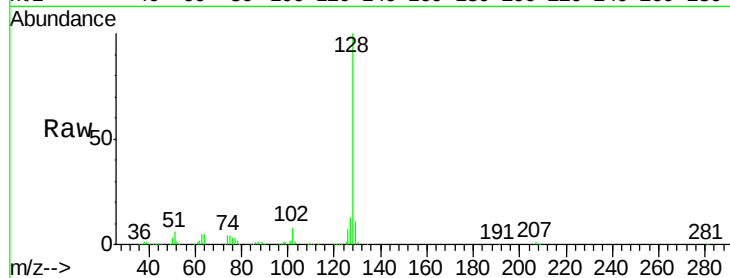
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	737262
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.3	15.5
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/23/2019 11:00:58 AM



#96

1,2,3-Trichlorobenzene

Concen: 59.817 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053524.D

Acq: 22 Jan 2019 17:22

Tgt Ion:	180	Resp:	305571
Ion Ratio	Lower	Upper	
180	100		
182	96.4	47.9	143.8
145	29.9	14.7	44.1

