

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022719\
 Data File : VN053991.D
 Acq On : 28 Feb 2019 1:32
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/28/2019 2:55:49 PM

Quant Time: Feb 28 08:09:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	591887	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	999867	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	887572	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	408713	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	376091	54.21	ug/l	0.00
Spiked Amount			Recovery	=	108.42%	
35) Dibromofluoromethane	7.59	113	329233	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	
50) Toluene-d8	10.09	98	1210657	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
62) 4-Bromofluorobenzene	12.40	95	405327	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	263706	48.411	ug/l	100
3) Chloromethane	2.06	50	391081	51.759	ug/l	98
4) Vinyl Chloride	2.18	62	388201	51.278	ug/l	99
5) Bromomethane	2.57	94	237664	47.402	ug/l	100
6) Chloroethane	2.71	64	231926	49.259	ug/l	99
7) Trichlorofluoromethane	3.02	101	474692	49.081	ug/l	99
8) Diethyl Ether	3.41	74	193626	53.436	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.76	101	291273	47.684	ug/l	94
10) Methyl Iodide	3.95	142	445330	55.484	ug/l	98
11) Tert butyl alcohol	4.78	59	135223	307.435	ug/l	98
12) 1,1-Dichloroethene	3.74	96	291707	49.926	ug/l	90
13) Acrolein	3.61	56	135420	297.374	ug/l	100
14) Allyl chloride	4.32	41	546411	53.320	ug/l	96
15) Acrylonitrile	4.99	53	671467	289.652	ug/l	99
16) Acetone	3.81	43	474688	258.889	ug/l	94
17) Carbon Disulfide	4.05	76	896044	47.538	ug/l	99
18) Methyl Acetate	4.32	43	285128	58.771	ug/l	94
19) Methyl tert-butyl Ether	5.04	73	883577	56.372	ug/l	99
20) Methylene Chloride	4.55	84	350771	51.081	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	323240	51.114	ug/l	91
22) Diisopropyl ether	5.95	45	1120475	56.675	ug/l	96
23) Vinyl Acetate	5.89	43	4055986	285.185	ug/l	95
24) 1,1-Dichloroethane	5.85	63	634992	52.375	ug/l	98
25) 2-Butanone	6.83	43	769819	282.576	ug/l	96
26) 2,2-Dichloropropane	6.82	77	387566	44.995	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	369516	52.541	ug/l	95
28) Bromochloromethane	7.19	49	305385	55.030	ug/l	# 80
29) Tetrahydrofuran	7.21	42	535015	294.905	ug/l	91
30) Chloroform	7.37	83	616800	52.467	ug/l	98
31) Cyclohexane	7.65	56	576409	51.968	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	502008	51.790	ug/l	97
36) 1,1-Dichloropropene	7.79	75	465550	50.068	ug/l	96
37) Ethyl Acetate	6.93	43	346685	52.217	ug/l	98
38) Carbon Tetrachloride	7.77	117	437250	45.214	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	517277	46.155	ug/l	94
40) Benzene	8.04	78	1421668	49.769	ug/l	99
41) Methacrylonitrile	7.17	41	168673	39.454	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	447998	50.658	ug/l	97
43) Isopropyl Acetate	8.16	43	594458	53.029	ug/l #	90
44) Trichloroethene	8.83	130	365102	48.212	ug/l	96
45) 1,2-Dichloropropane	9.12	63	388061	50.354	ug/l	99
46) Dibromomethane	9.21	93	223879	50.038	ug/l	93
47) Bromodichloromethane	9.40	83	468553	49.693	ug/l	99
48) Methyl methacrylate	9.20	41	288295	55.911	ug/l	93
49) 1,4-Dioxane	9.20	88	82650	1183.438	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	1662636	288.626	ug/l	95
52) Toluene	10.16	92	842588	50.094	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	473940	51.659	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	543031	50.209	ug/l	94
55) 1,1,2-Trichloroethane	10.56	97	315542	50.232	ug/l	99
56) Ethyl methacrylate	10.43	69	409609	49.741	ug/l	89
57) 1,3-Dichloropropane	10.71	76	544142	51.268	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	998005	259.698	ug/l	95
59) 2-Hexanone	10.75	43	1066312	284.613	ug/l	94
60) Dibromochloromethane	10.90	129	347518	49.779	ug/l	99
61) 1,2-Dibromoethane	11.01	107	305980	50.495	ug/l	99
64) Tetrachloroethene	10.63	164	362959	48.293	ug/l	98
65) Chlorobenzene	11.43	112	892978	47.671	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	331431	49.093	ug/l	100
67) Ethyl Benzene	11.51	91	1549117	49.331	ug/l	99
68) m/p-Xylenes	11.62	106	1172906	98.962	ug/l	96
69) o-Xylene	11.95	106	577481	49.588	ug/l	98
70) Styrene	11.96	104	936623	52.289	ug/l	99
71) Bromoform	12.13	173	237773	50.626	ug/l #	99
73) Isopropylbenzene	12.25	105	1496012	47.021	ug/l	99
74) N-amyl acetate	12.07	43	471507	56.544	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	393448	49.453	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	351579m	53.623	ug/l	
77) Bromobenzene	12.53	156	378766	46.890	ug/l	88
78) n-propylbenzene	12.59	91	1745210	48.233	ug/l	97
79) 2-Chlorotoluene	12.68	91	1045356	48.094	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1282316	49.232	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	103638	49.960	ug/l	96
82) 4-Chlorotoluene	12.77	91	1050476	48.900	ug/l	96
83) tert-Butylbenzene	12.99	119	1102686	47.867	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	1295167	49.808	ug/l	99
85) sec-Butylbenzene	13.17	105	1516148	48.187	ug/l	98
86) p-Isopropyltoluene	13.29	119	1289924	48.496	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	671844	48.079	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	646259	47.670	ug/l	99
89) n-Butylbenzene	13.62	91	1115079	49.744	ug/l	99
90) Hexachloroethane	13.88	117	231652	44.943	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	658273	48.665	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	59156	52.615	ug/l	90

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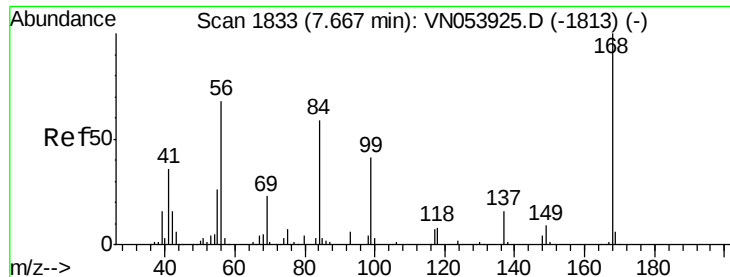
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	342919	45.841	ug/l	98
94) Hexachlorobutadiene	15.01	225	218568	44.732	ug/l	98
95) Naphthalene	15.13	128	749828	46.570	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	342820	47.651	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: VN053991.D

Acq: 28 Feb 2019 1:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 591887

Ion Ratio Lower Upper

168 100

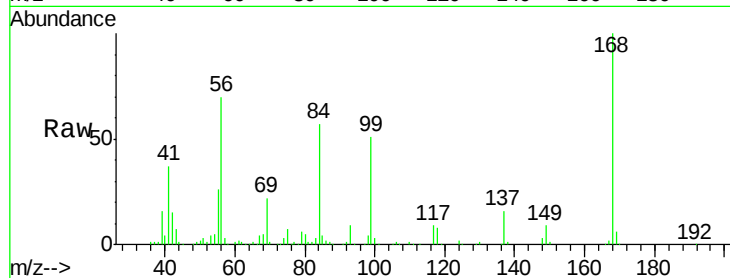
99 49.4 36.9 55.3

Manual Integrations

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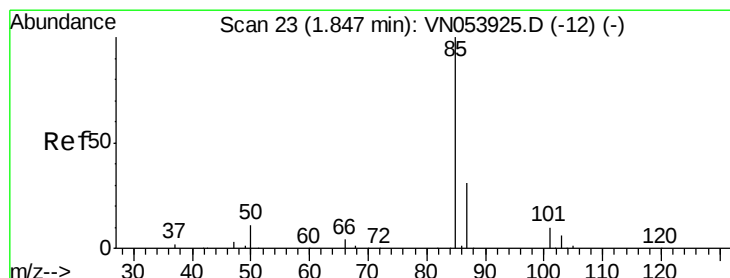
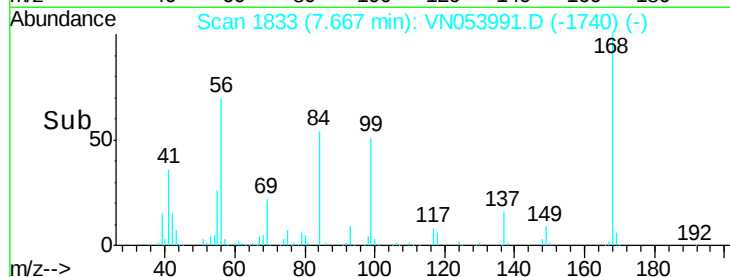
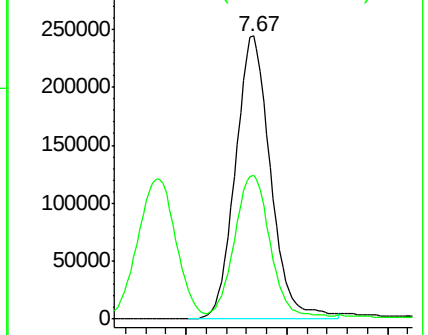
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 48.411 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN053991.D

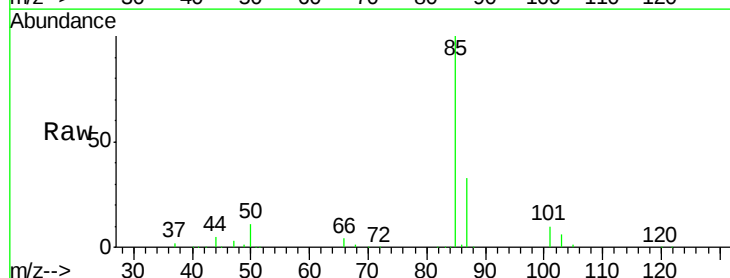
Acq: 28 Feb 2019 1:32

Tgt Ion: 85 Resp: 263706

Ion Ratio Lower Upper

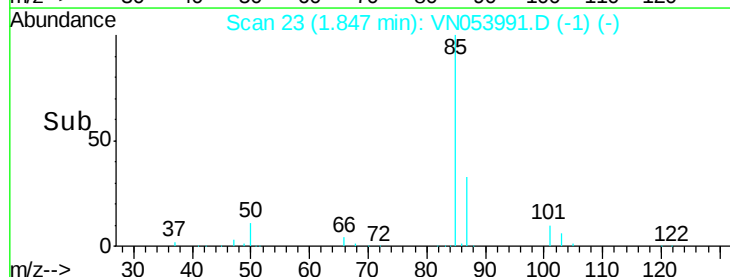
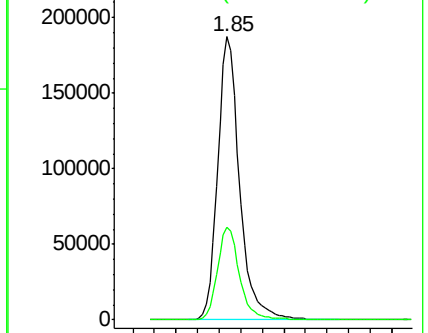
85 100

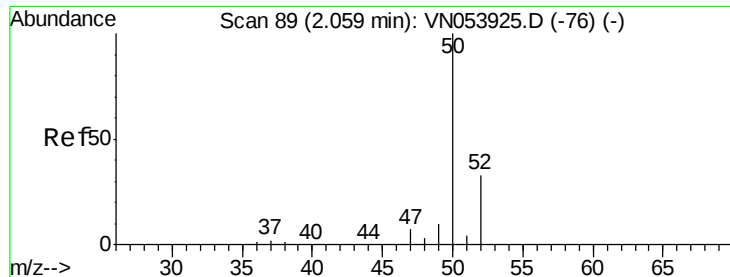
87 32.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 51.759 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 391081

Ion Ratio Lower Upper

50 100

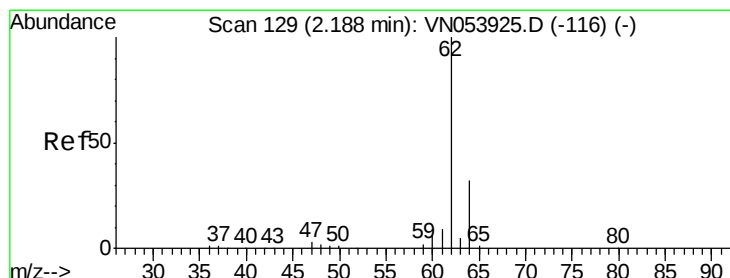
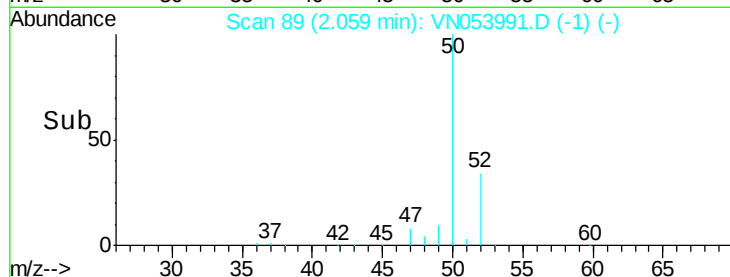
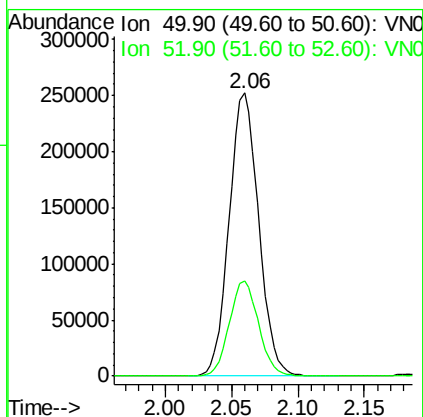
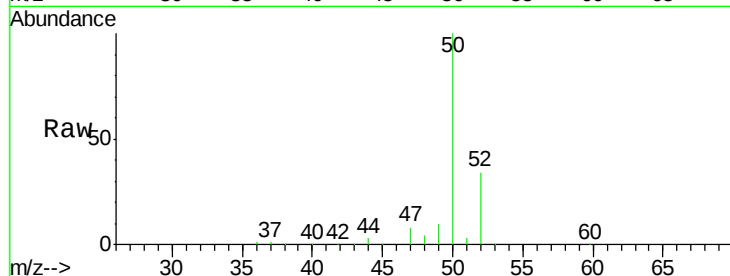
52 33.6 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 51.278 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN053991.D

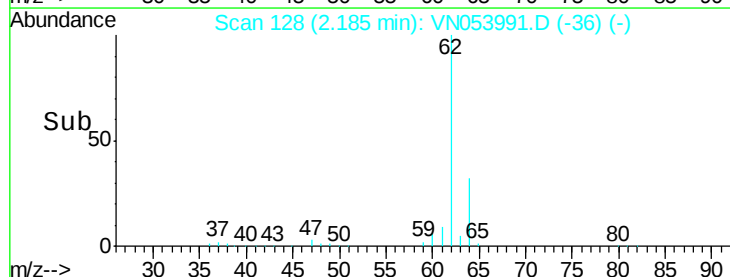
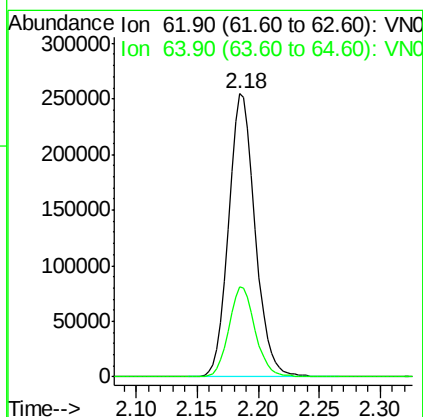
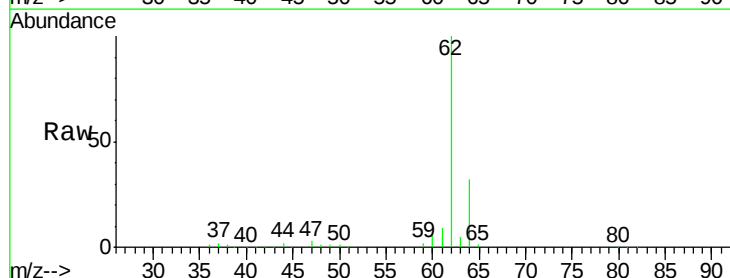
Acq: 28 Feb 2019 1:32

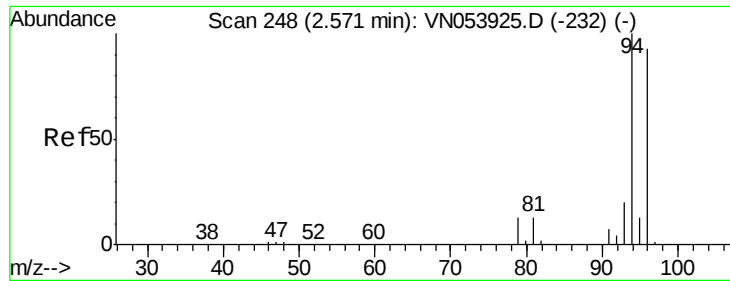
Tgt Ion: 62 Resp: 388201

Ion Ratio Lower Upper

62 100

64 31.7 25.1 37.7





#5

Bromomethane

Concen: 47.402 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Instrument :

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Tot Ion: 94 Resp: 237664

Ion Ratio Lower Upper

94 100

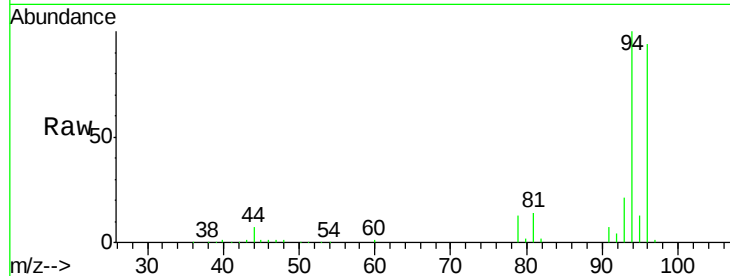
96 93.8 74.9 112.3

Manual Integrations

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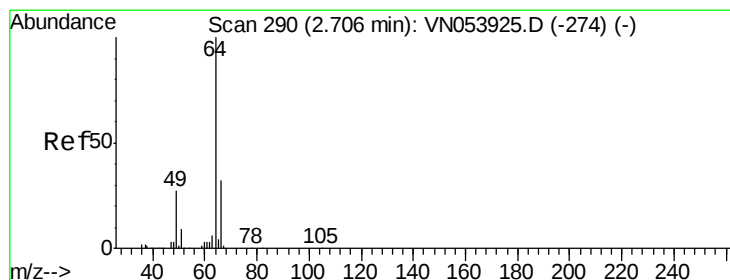
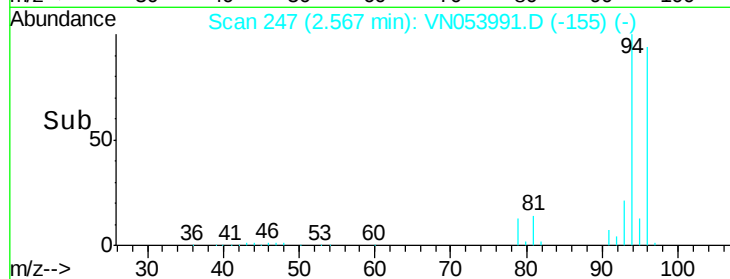
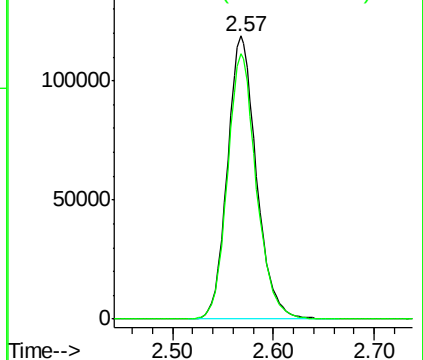
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 49.259 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN053991.D

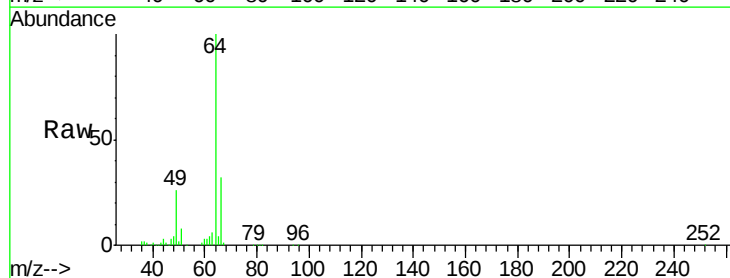
Acq: 28 Feb 2019 1:32

Tgt Ion: 64 Resp: 231926

Ion Ratio Lower Upper

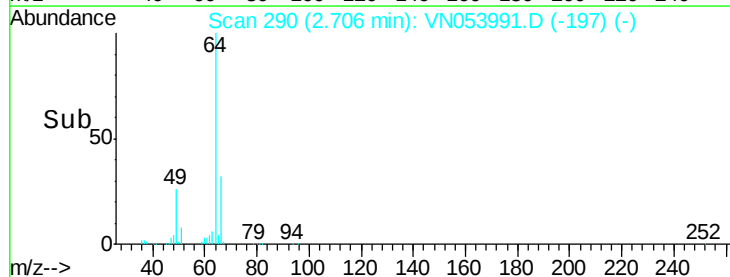
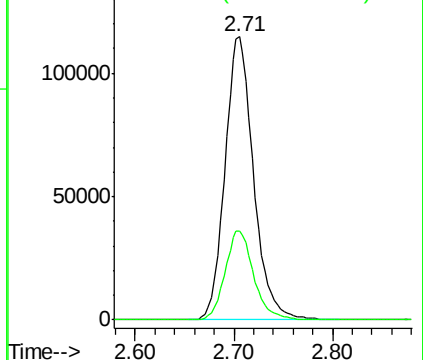
64 100

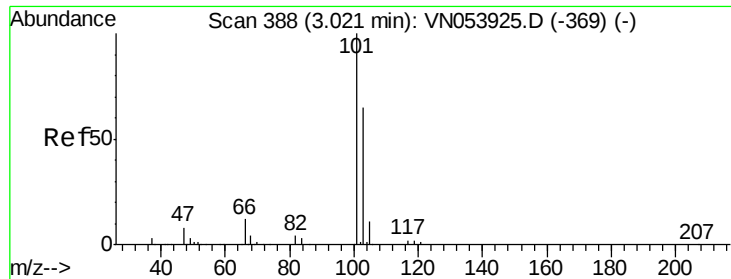
66 31.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

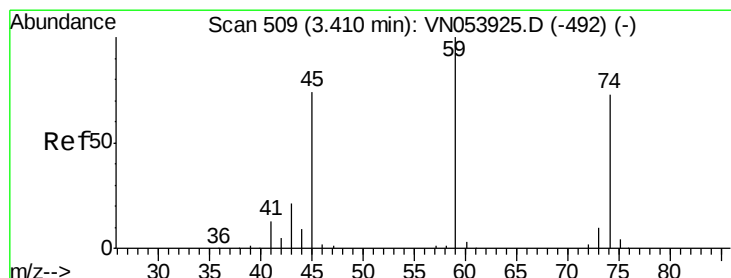
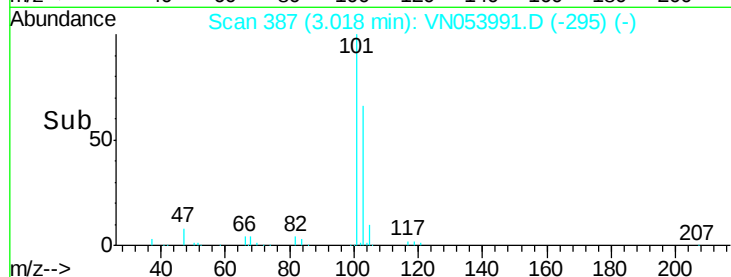
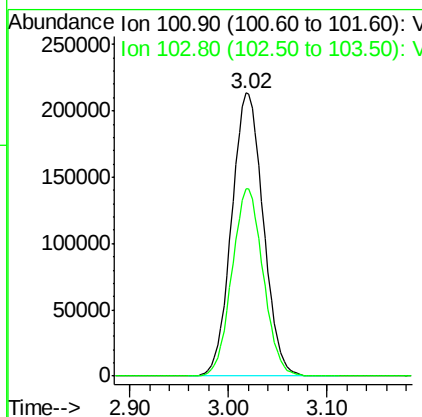
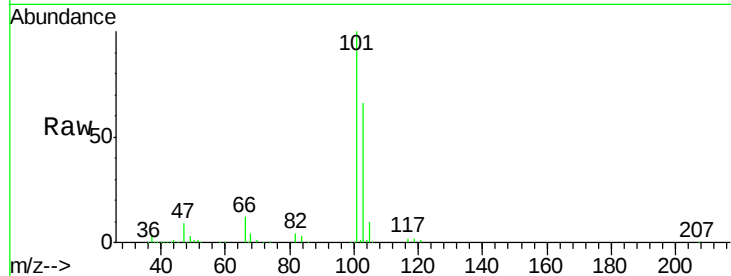
Trichlorofluoromethane
 Concen: 49.081 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN053991.D
 Acq: 28 Feb 2019 1:32

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	51.9	77.9

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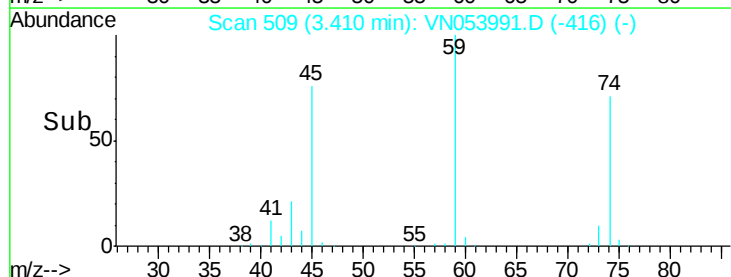
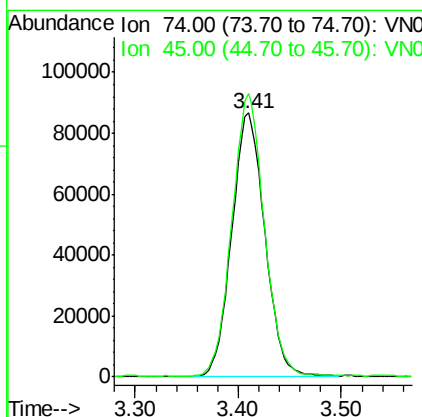
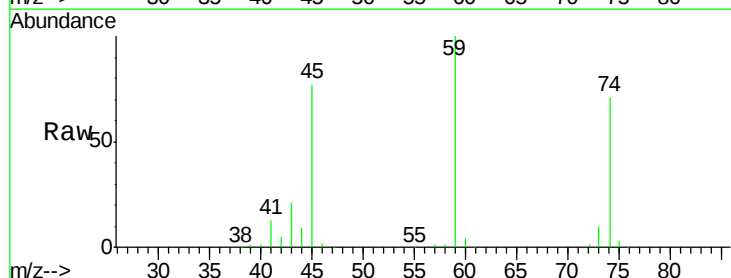
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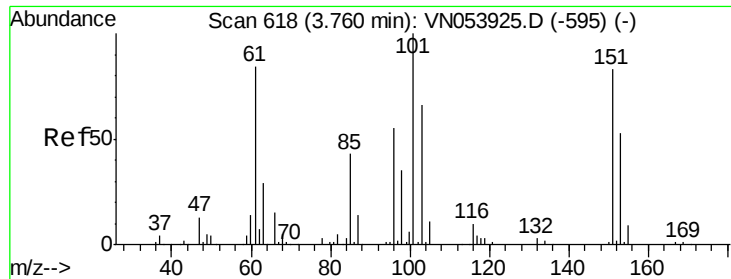


#8

Diethyl Ether
 Concen: 53.436 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN053991.D
 Acq: 28 Feb 2019 1:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.5	46.9	140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.684 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Instrument :

MSVOA_N

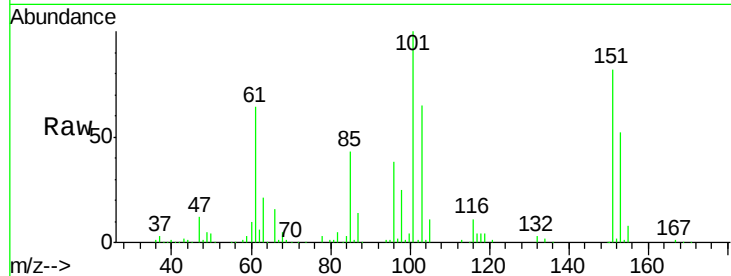
ClientSampleId :

VSTDCCC050EC

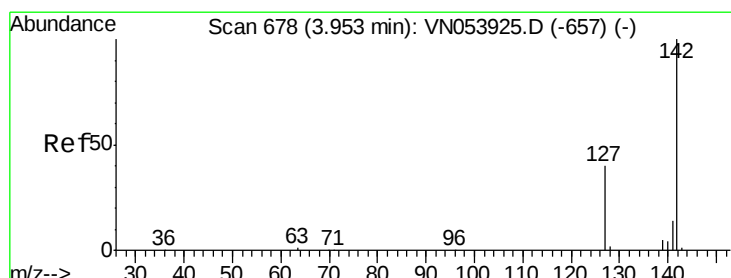
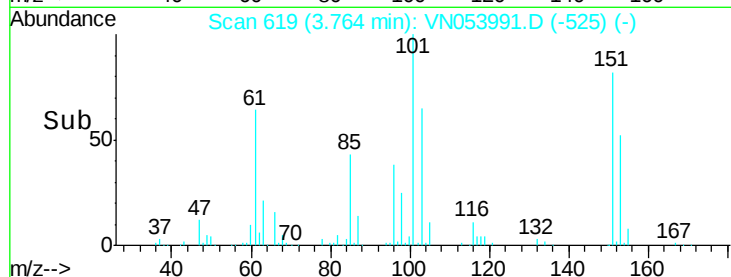
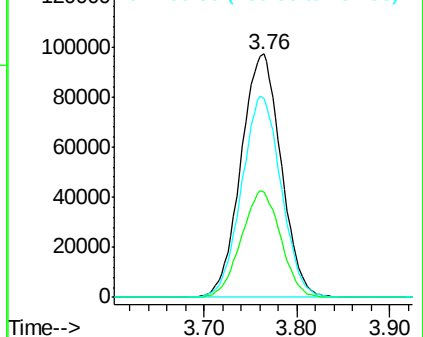
Tot Ion:	101	Resp:	291273
Ion Ratio	Lower	Upper	
101	100		
85	43.0	32.5	48.7
151	81.5	70.2	105.2

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 55.484 ug/l

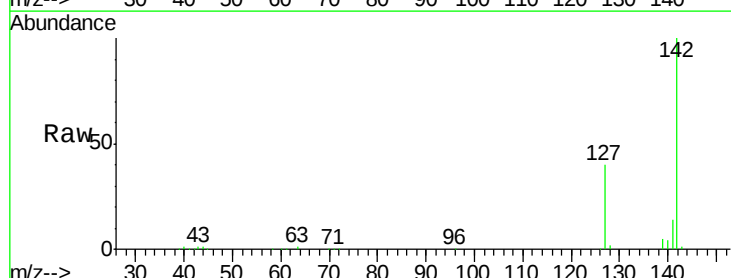
RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

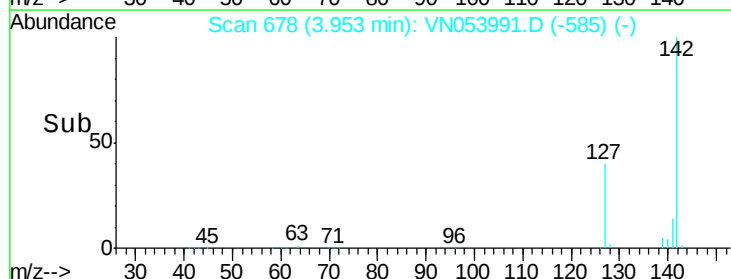
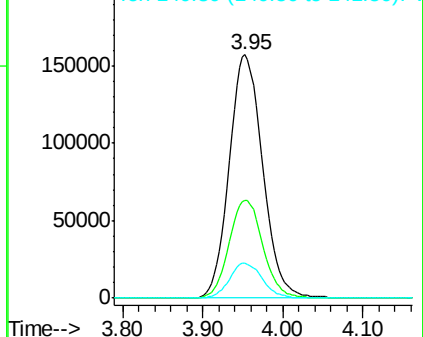
Lab File: VN053991.D

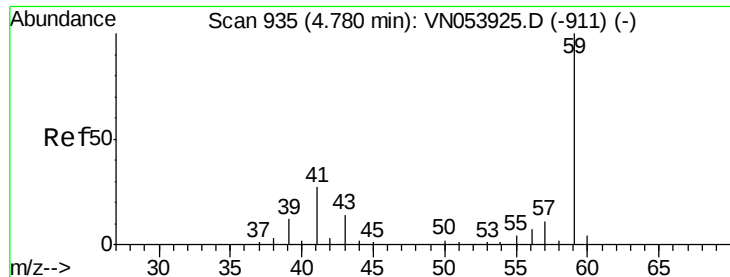
Acq: 28 Feb 2019 1:32

Tgt Ion:	142	Resp:	445330
Ion Ratio	Lower	Upper	
142	100		
127	40.7	31.0	46.4
141	14.2	11.3	16.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





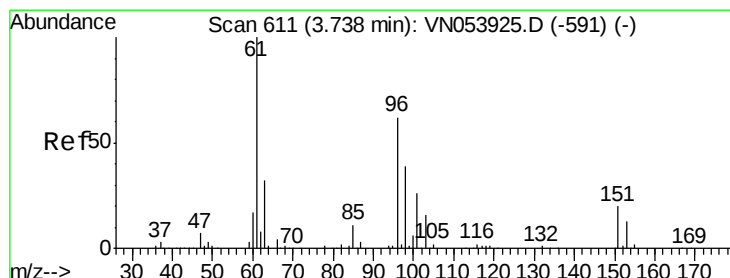
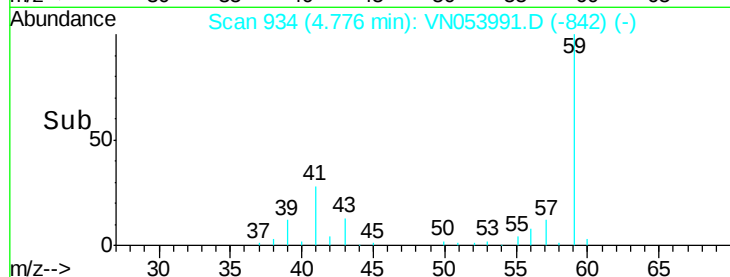
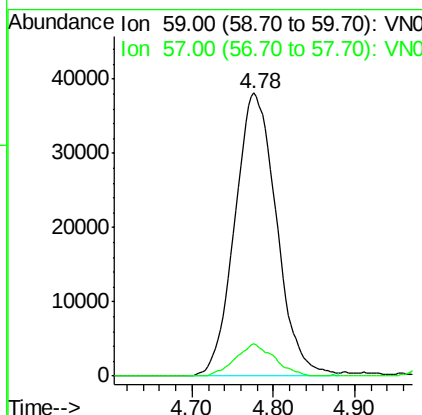
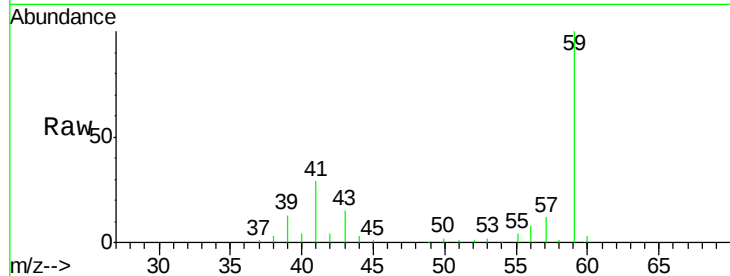
#11
Tert butyl alcohol
Concen: 307.435 ug/l
RT: 4.78 min Scan# 934
Delta R.T. -0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 135223
Ion Ratio Lower Upper
59 100
57 10.7 8.1 12.1

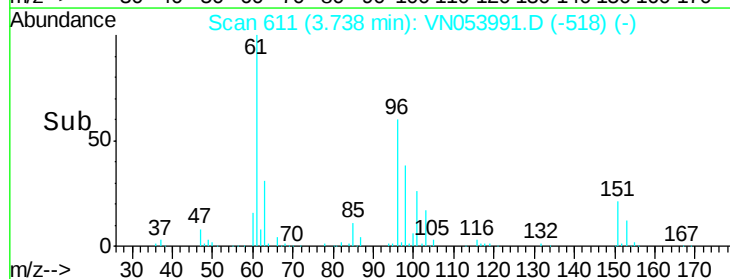
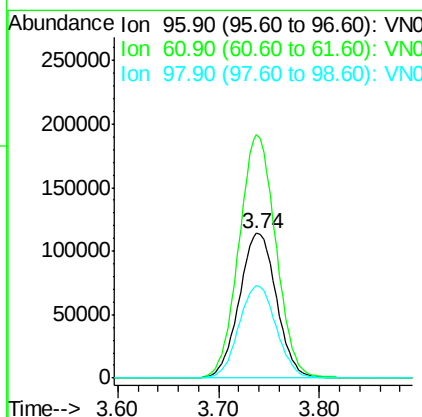
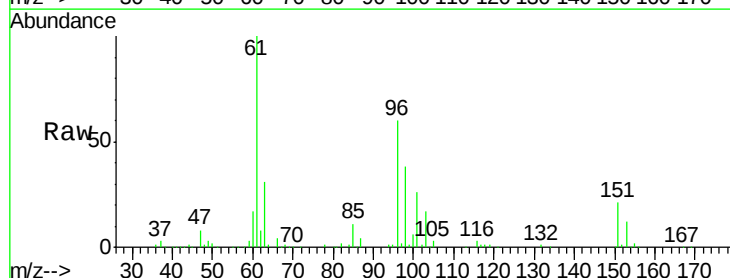
Manual Integrations
APPROVED

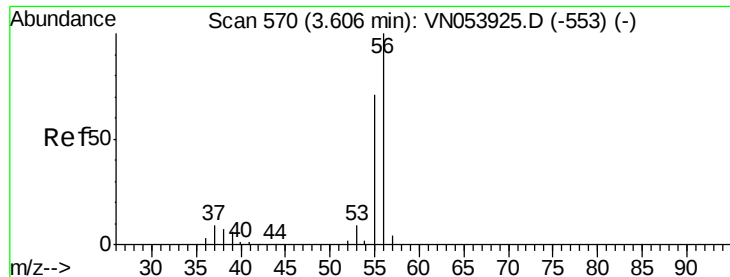
MMDadoda
2/28/2019 2:55:49 PM



#12
1,1-Dichloroethene
Concen: 49.926 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Tgt Ion: 96 Resp: 291707
Ion Ratio Lower Upper
96 100
61 167.9 121.0 181.4
98 63.6 52.2 78.2





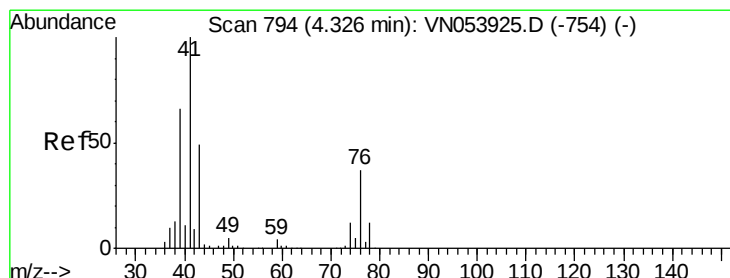
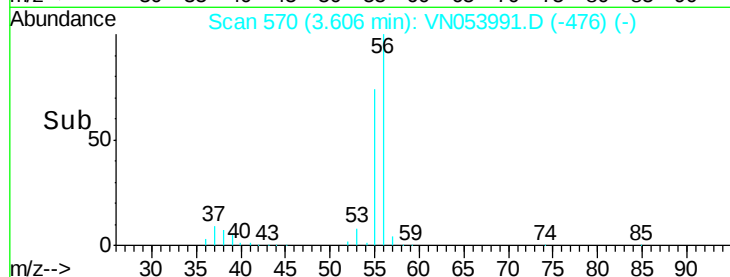
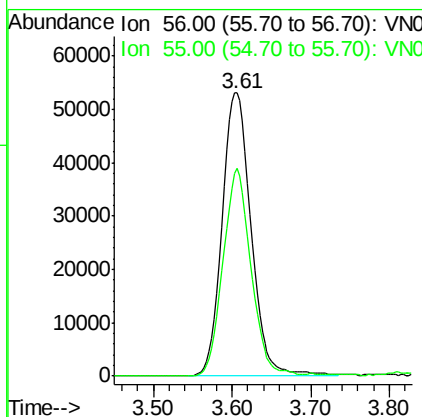
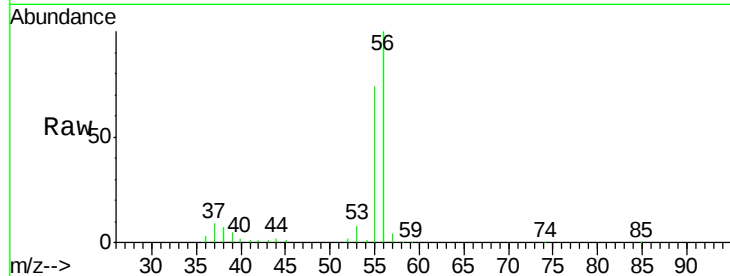
#13
Acrolein
Concen: 297.374 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	70.5	56.3	84.5	

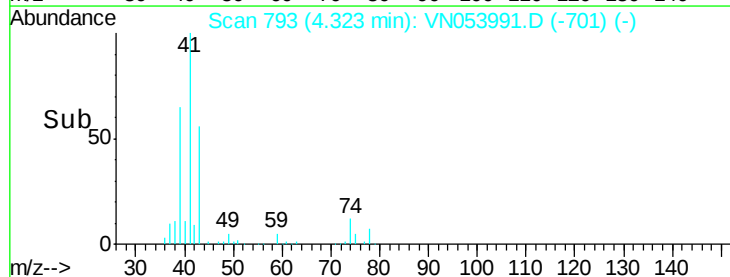
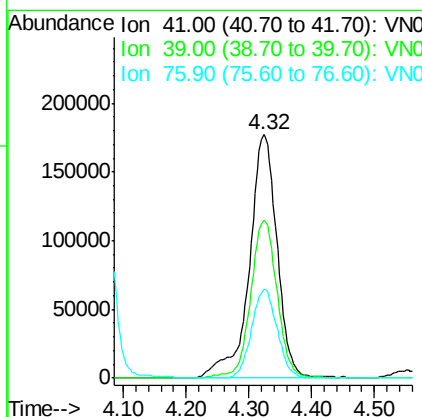
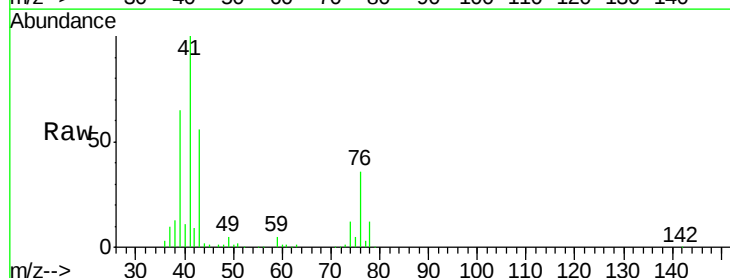
Manual Integrations
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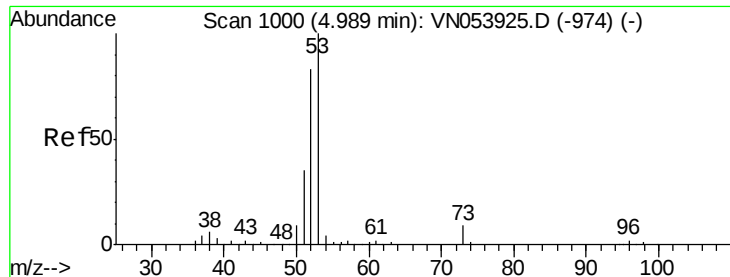
MMDadoda
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#14
Allyl chloride
Concen: 53.320 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	61.6	48.8	73.2	
76	33.2	30.9	46.3	





#15

Acrylonitrile

Concen: 289.652 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Instrument :

MSVOA_N

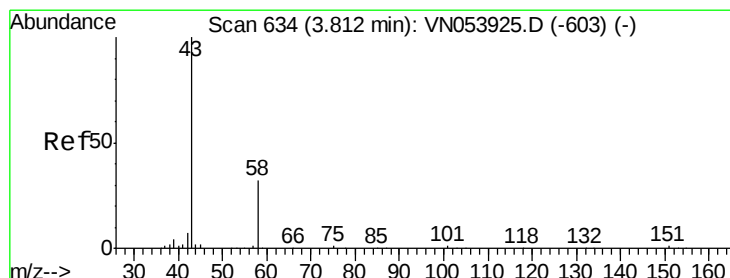
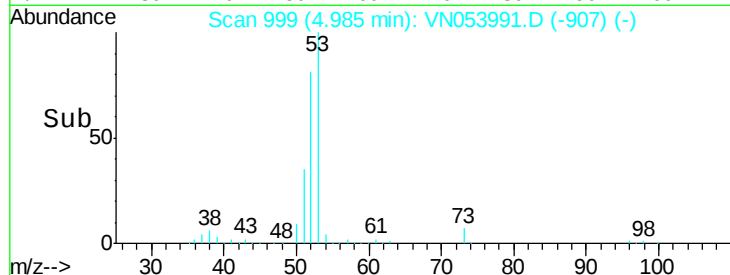
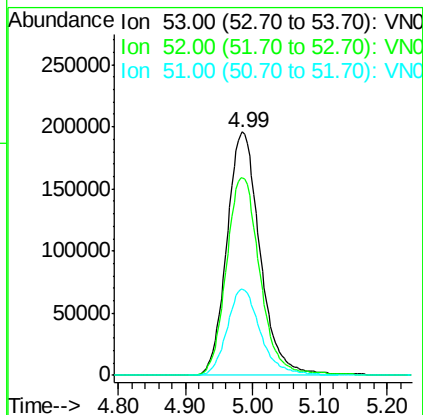
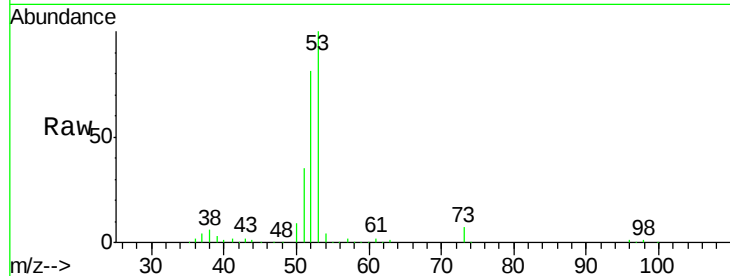
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	671467
Ion Ratio	Lower	Upper	
53	100		
52	82.0	65.1	97.7
51	35.6	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 258.889 ug/l

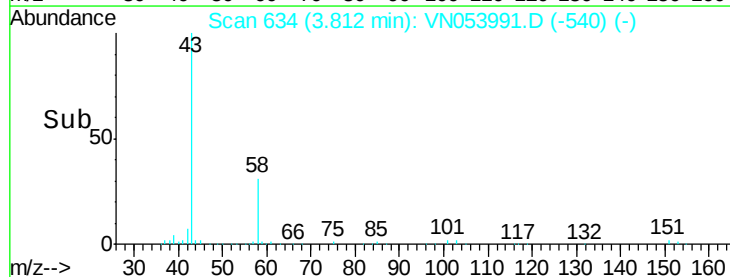
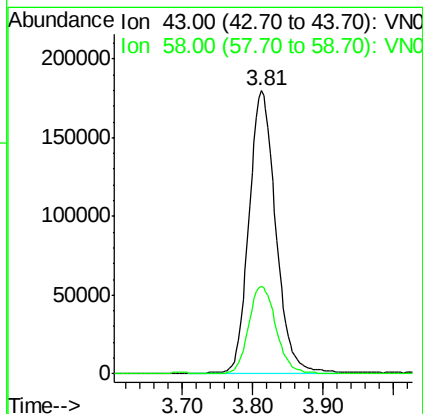
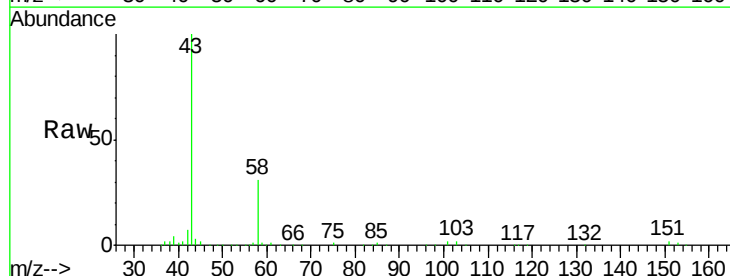
RT: 3.81 min Scan# 634

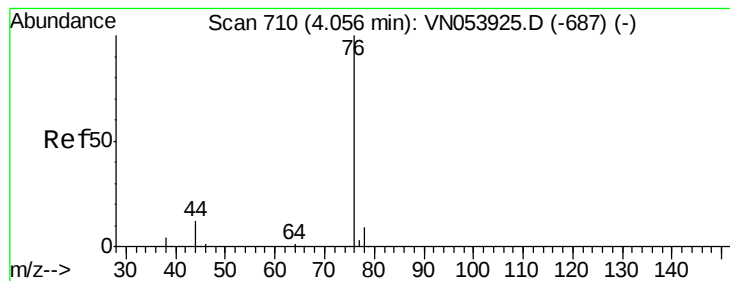
Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Tgt Ion:	43	Resp:	474688
Ion Ratio	Lower	Upper	
43	100		
58	30.8	27.6	41.4





#17

Carbon Disulfide

Concen: 47.538 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Tot Ion: 76 Resp: 896044

Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3

Instrument :

MSVOA_N

ClientSampleId :

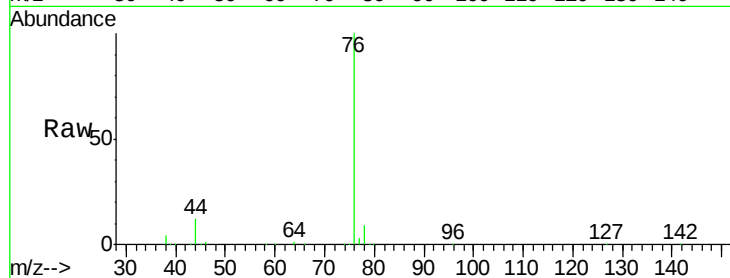
VSTDCCC050EC

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

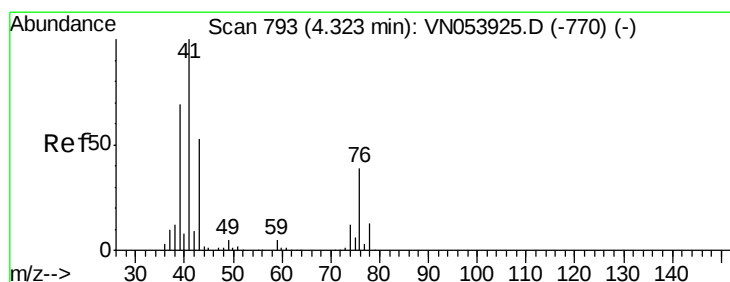
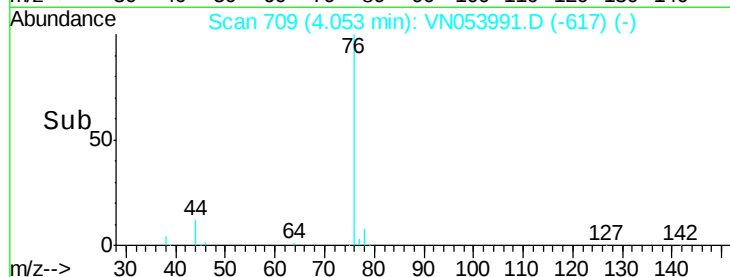
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 58.771 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053991.D

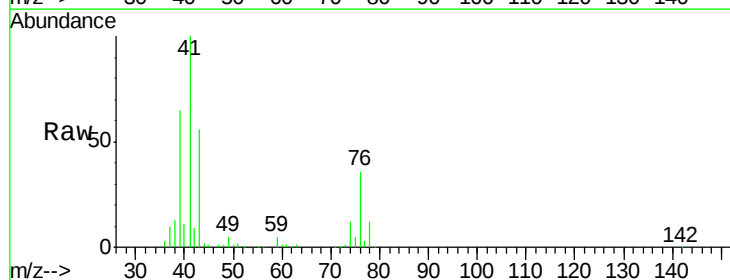
Acq: 28 Feb 2019 1:32

Tgt Ion: 43 Resp: 285128

Ion Ratio Lower Upper

43 100

74 22.8 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.32

100000

80000

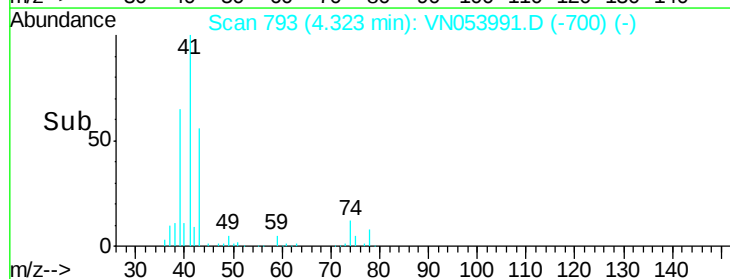
60000

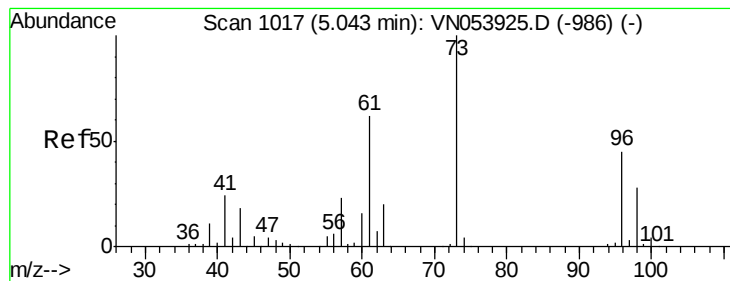
40000

20000

0

Time-->





#19

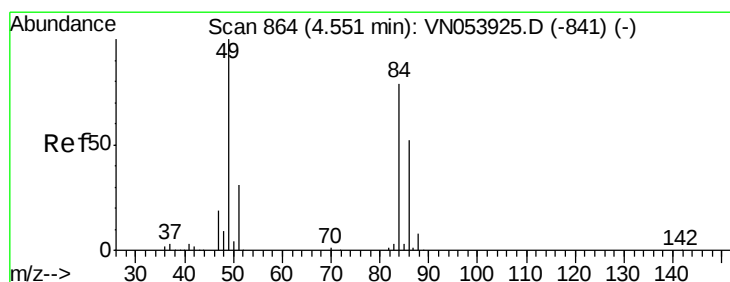
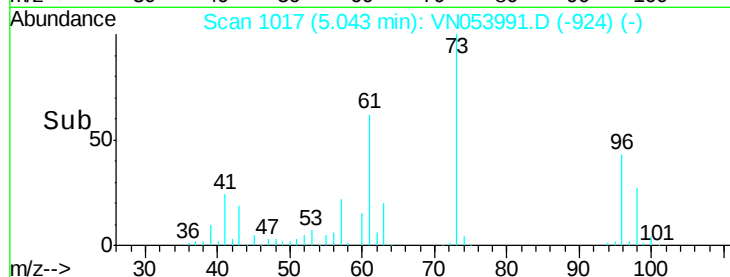
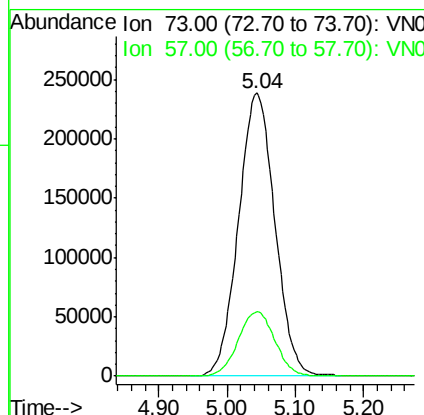
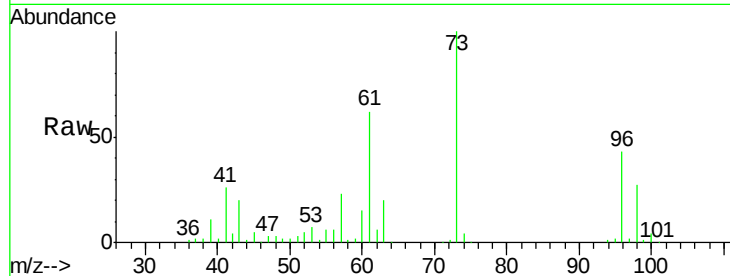
Methyl tert-butyl Ether
 Concen: 56.372 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: VN053991.D
 Acq: 28 Feb 2019 1:32

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.8	18.0	27.0

Manual Integrations
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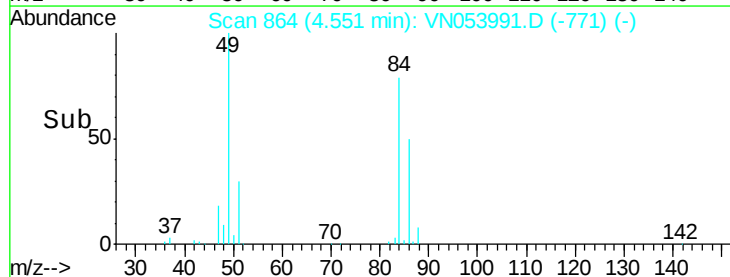
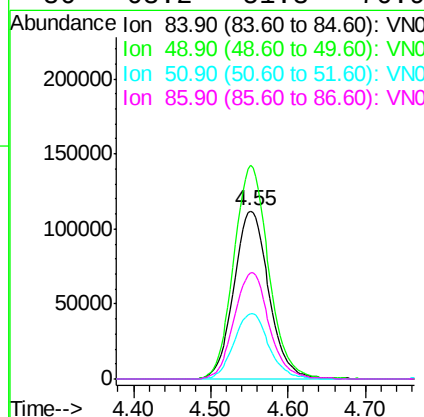
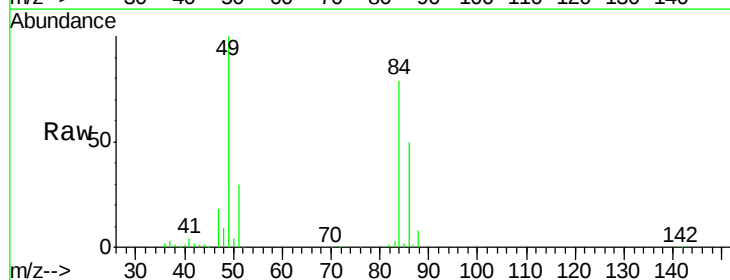
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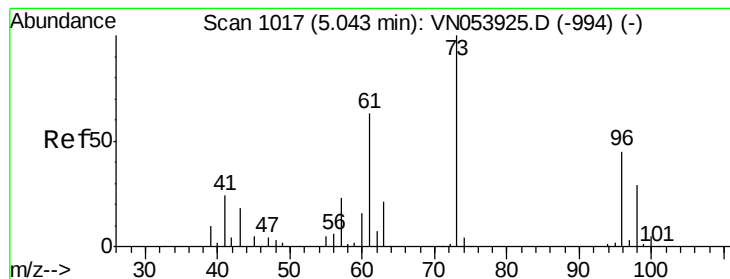


#20

Methylene Chloride
 Concen: 51.081 ug/l
 RT: 4.55 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VN053991.D
 Acq: 28 Feb 2019 1:32

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.3	89.7	134.5
51	38.6	27.8	41.8
86	63.2	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 51.114 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Instrument :

MSVOA_N

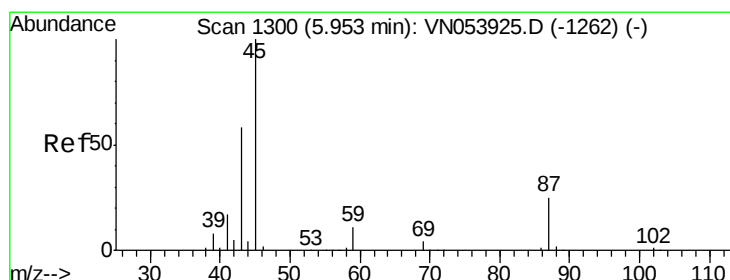
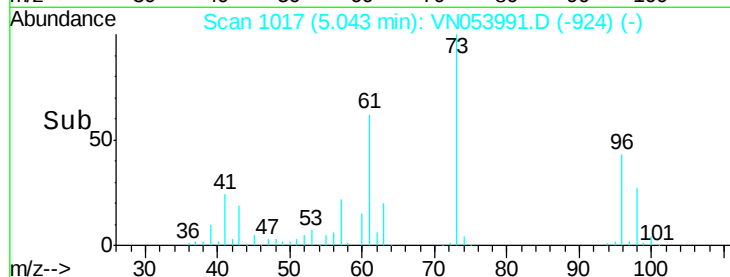
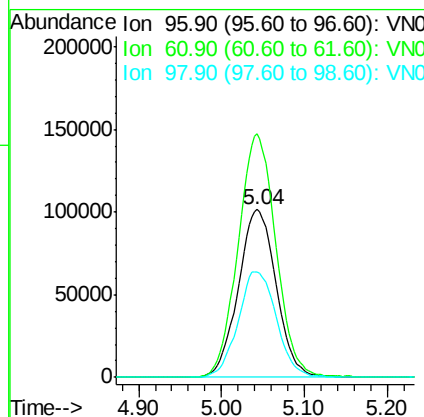
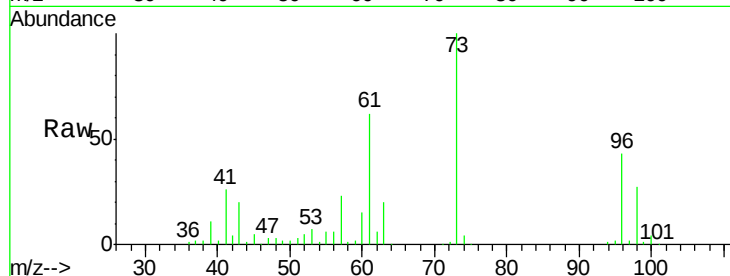
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	323240
Ion	Ratio	Lower	Upper
96	100		
61	145.1	104.5	156.7
98	62.9	50.6	76.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 56.675 ug/l

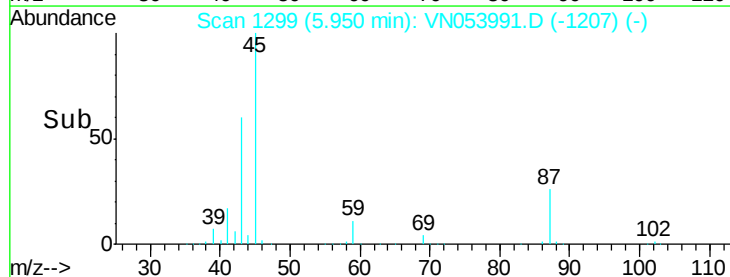
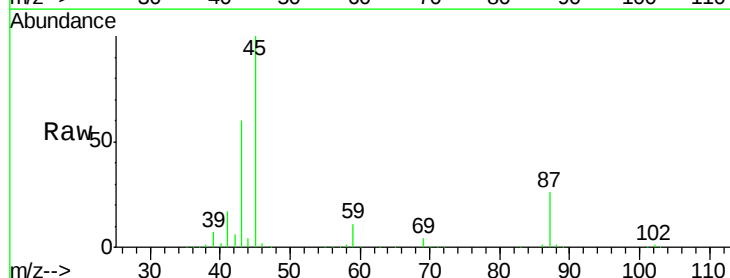
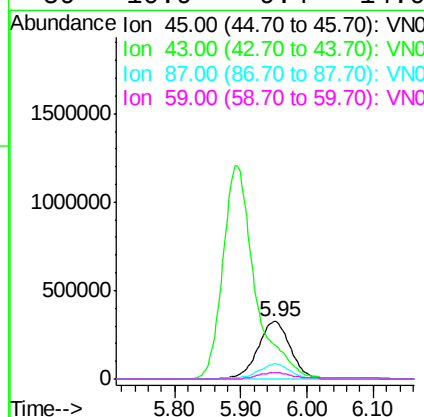
RT: 5.95 min Scan# 1299

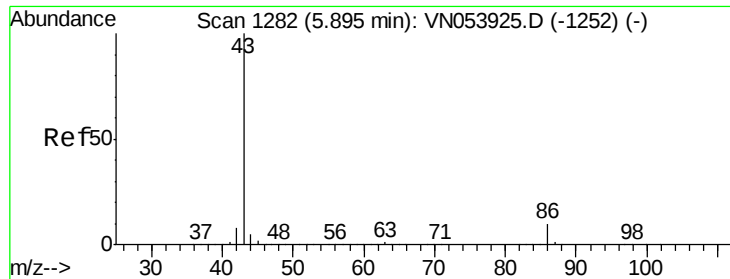
Delta R.T. -0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Tgt Ion:	45	Resp:	1120475
Ion	Ratio	Lower	Upper
45	100		
43	59.9	46.2	69.4
87	25.5	23.4	35.0
59	10.9	9.4	14.0





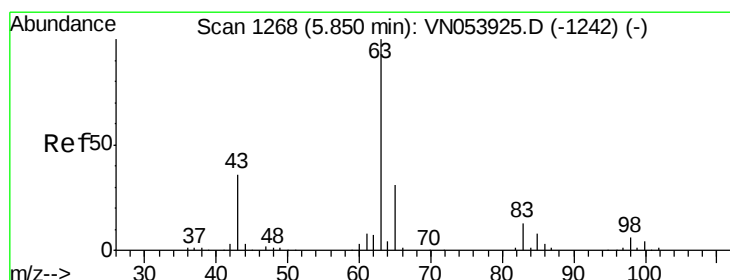
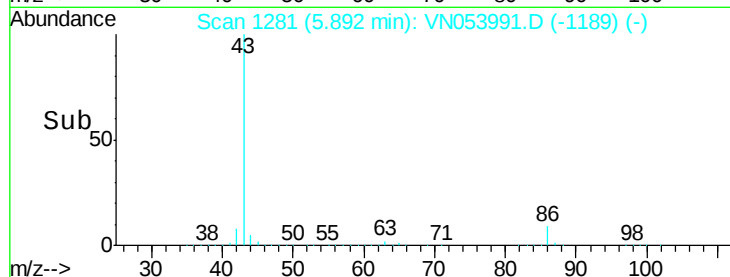
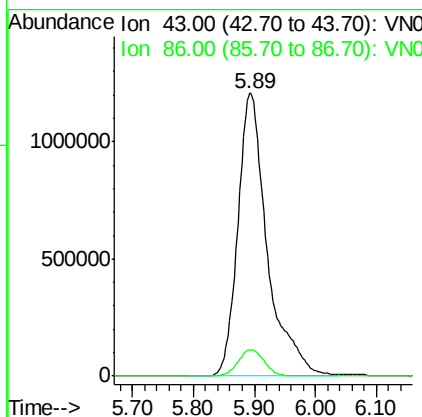
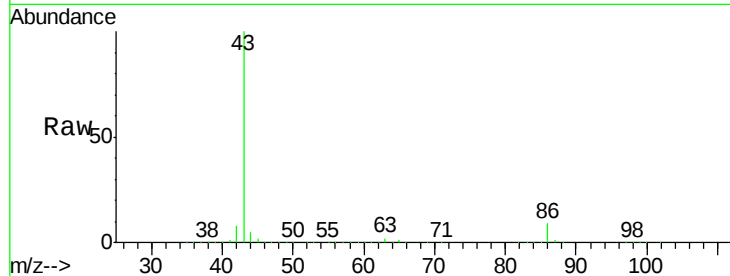
#23
 Vinyl Acetate
 Concen: 285.185 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VN053991.D
 Acq: 28 Feb 2019 1:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 4055986
 Ion Ratio Lower Upper
 43 100
 86 9.4 9.1 13.7

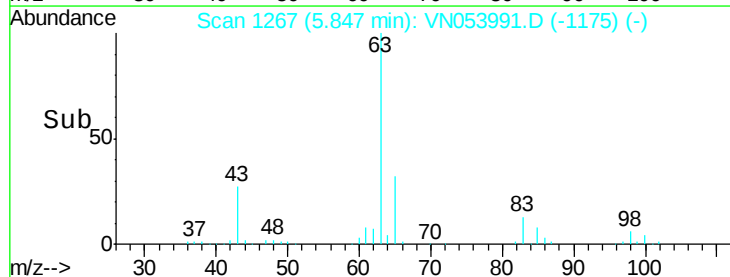
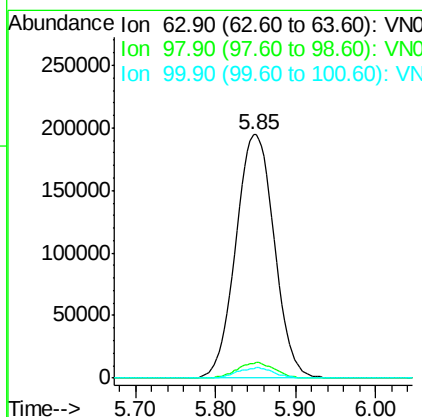
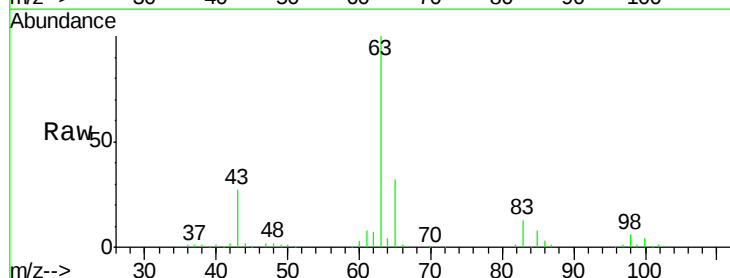
Manual Integrations
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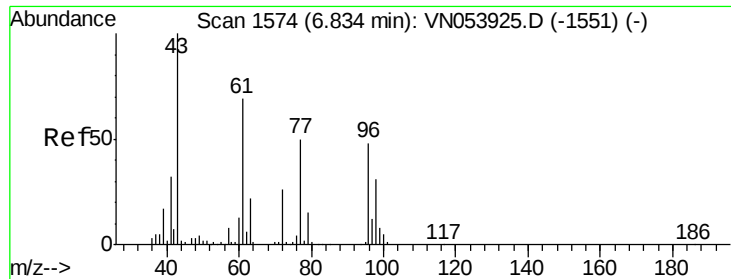
MMDadoda
 2/28/2019 2:55:49 PM



#24
 1,1-Dichloroethane
 Concen: 52.375 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN053991.D
 Acq: 28 Feb 2019 1:32

Tgt Ion: 63 Resp: 634992
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.4 10.2
 100 4.1 2.2 6.6





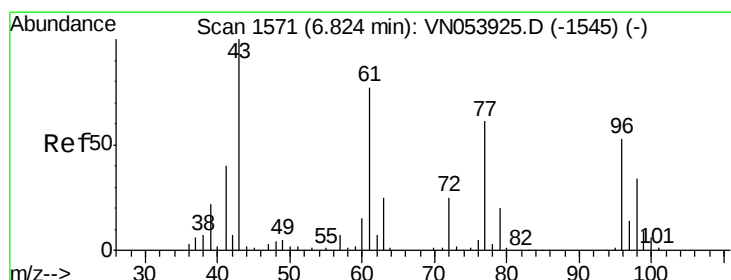
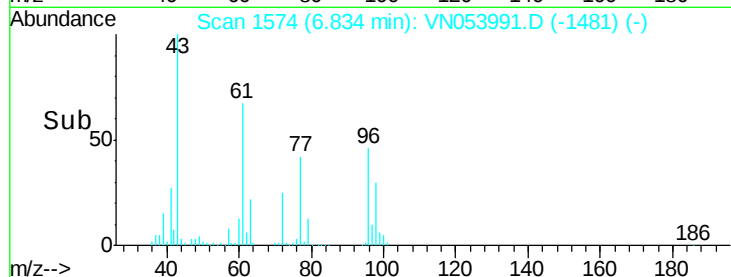
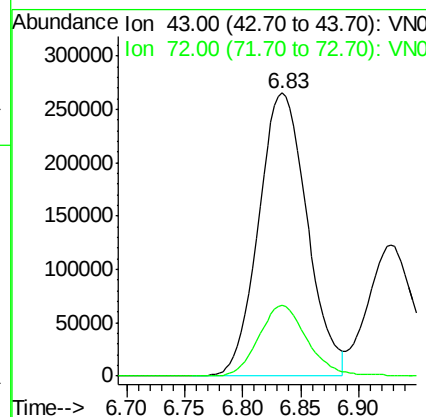
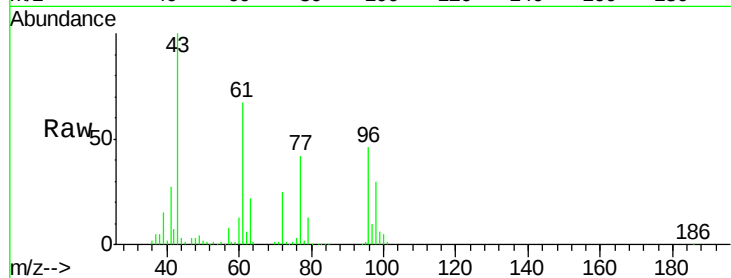
#25
2-Butanone
Concen: 282.576 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 769819
Ion Ratio Lower Upper
43 100
72 25.3 22.1 33.1

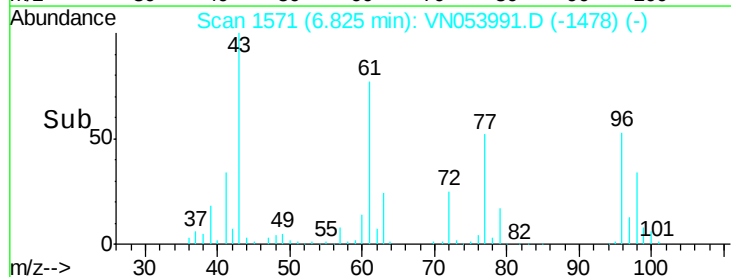
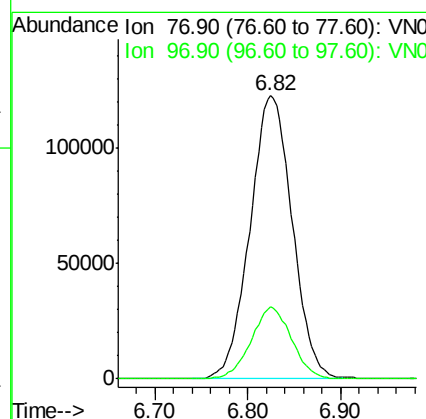
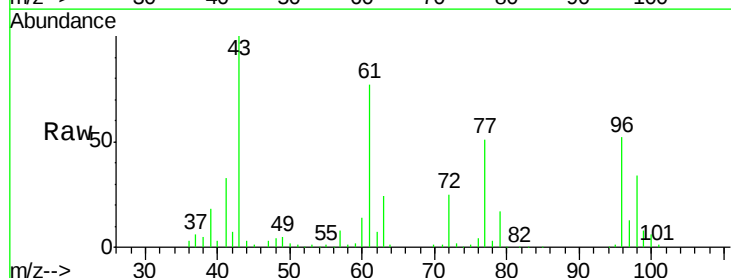
Manual Integrations
APPROVED

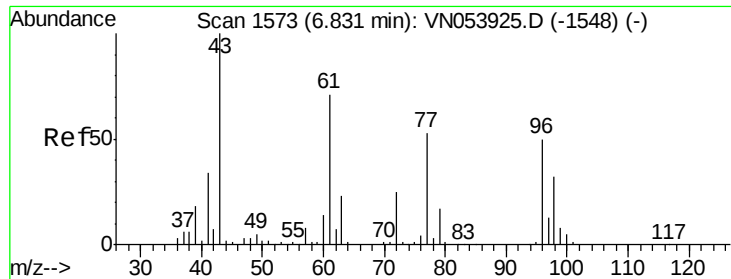
MMDadoda
2/28/2019 2:55:49 PM



#26
2,2-Dichloropropane
Concen: 44.995 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Tgt Ion: 77 Resp: 387566
Ion Ratio Lower Upper
77 100
97 24.4 12.3 36.9





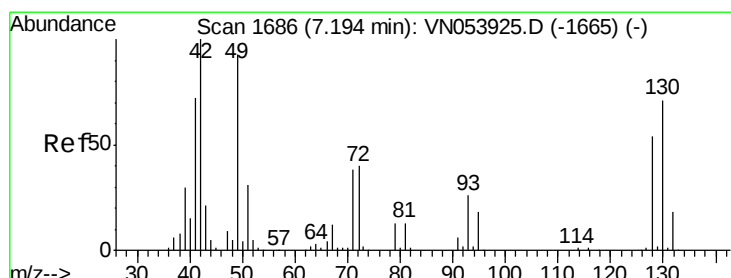
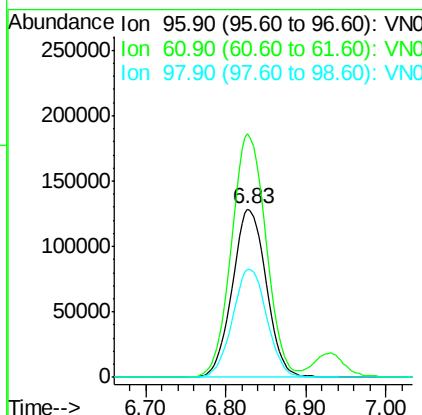
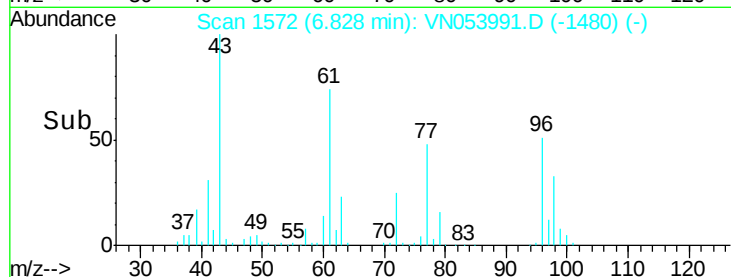
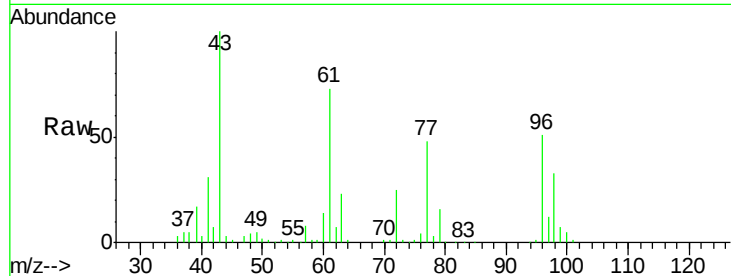
#27
 cis-1,2-Dichloroethene
 Concen: 52.541 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN053991.D
 Acq: 28 Feb 2019 1:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	369516		
61	147.0	0.0	275.6	
98	65.1	0.0	130.0	

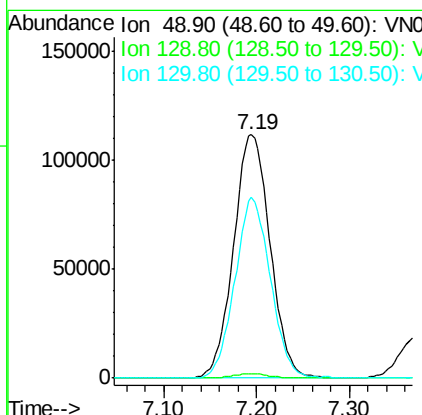
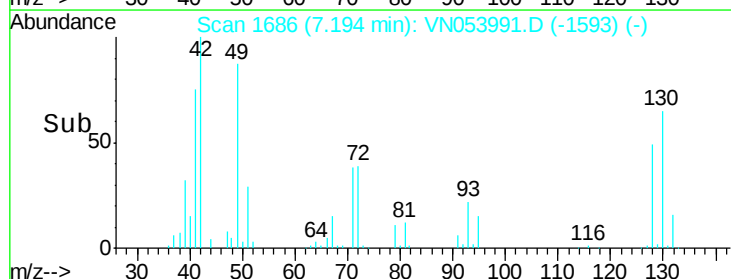
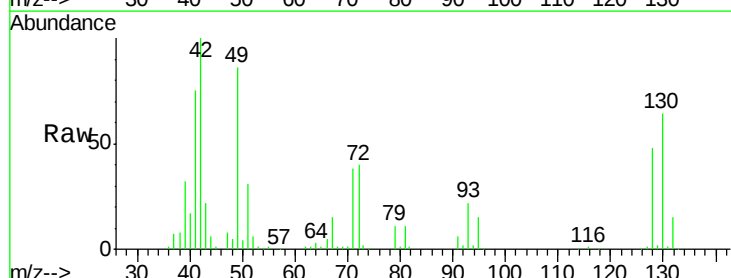
Manual Integrations
 APPROVED

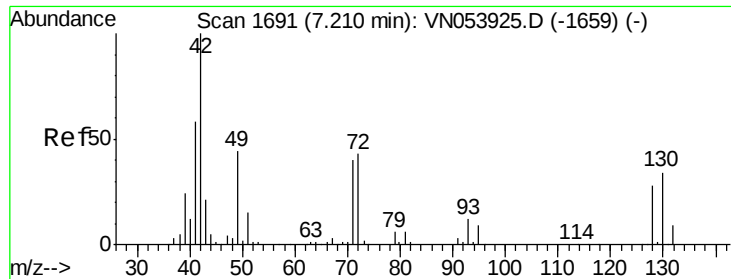
MMDadoda
 2/28/2019 2:55:49 PM



#28
 Bromochloromethane
 Concen: 55.030 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN053991.D
 Acq: 28 Feb 2019 1:32

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	305385		
129	1.7	0.0	4.6	
130	72.1	72.9	109.3#	





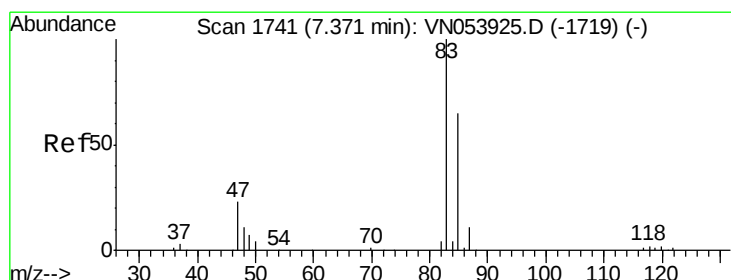
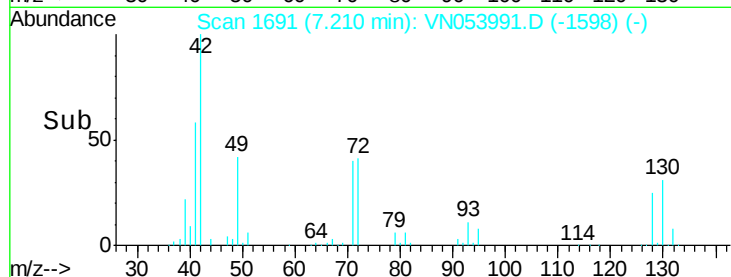
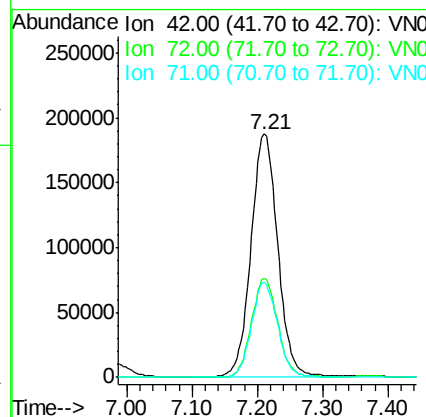
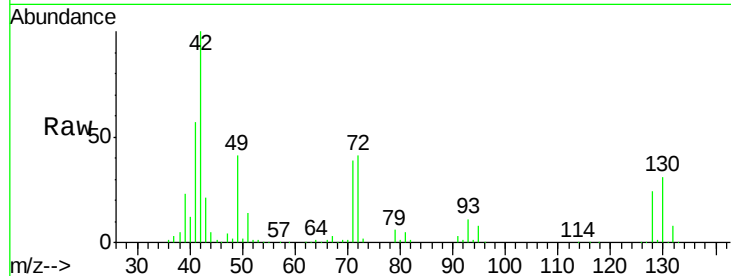
#29
Tetrahydrofuran
Concen: 294.905 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.1	36.9	55.3
71	38.2	34.6	52.0

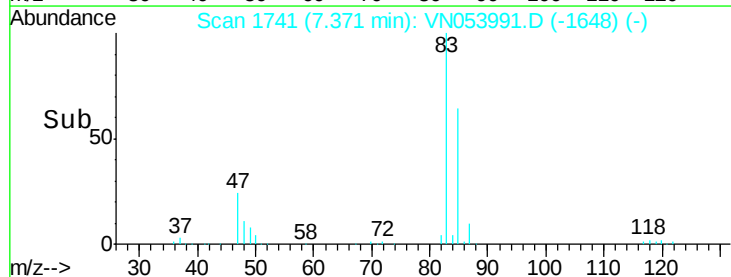
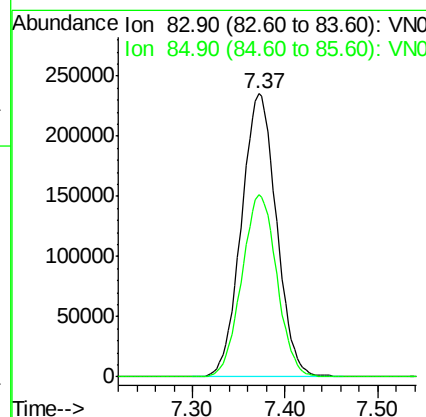
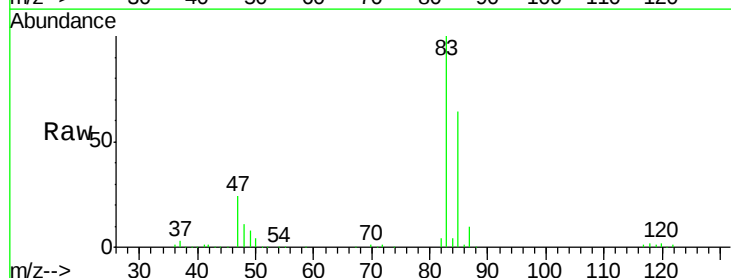
Manual Integrations
APPROVED

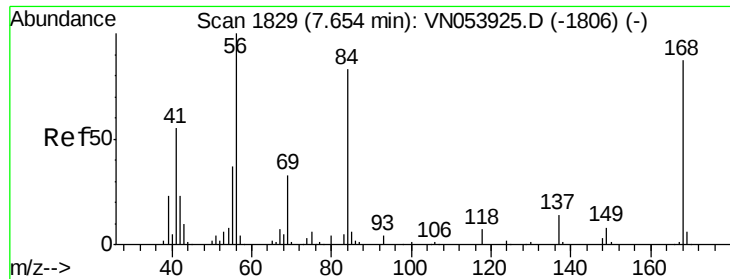
MMDadoda
2/28/2019 2:55:49 PM



#30
Chloroform
Concen: 52.467 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.6	78.8





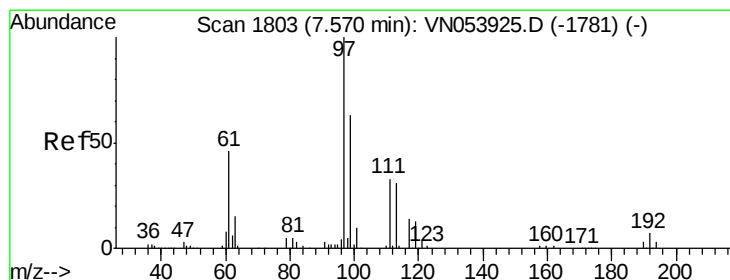
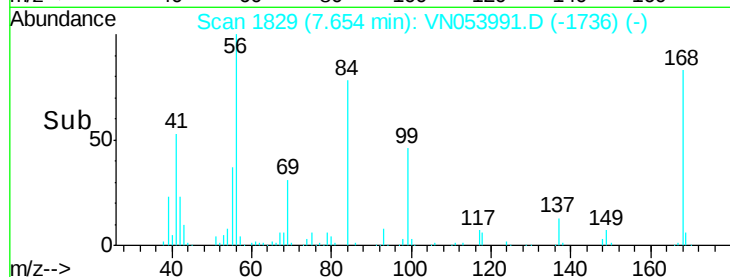
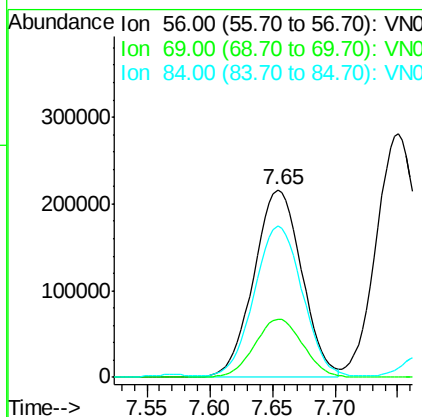
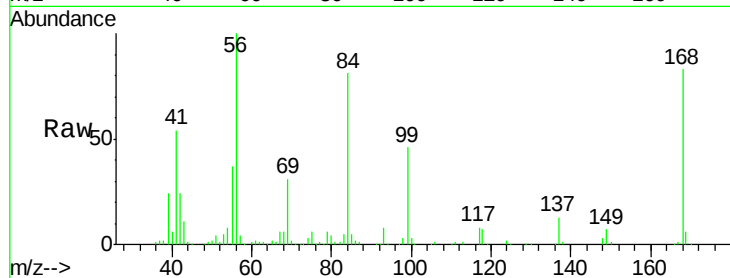
#31
Cyclohexane
Concen: 51.968 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.1	26.0	39.0
84	79.7	69.1	103.7

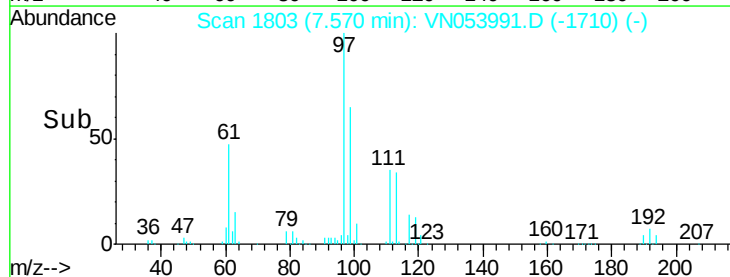
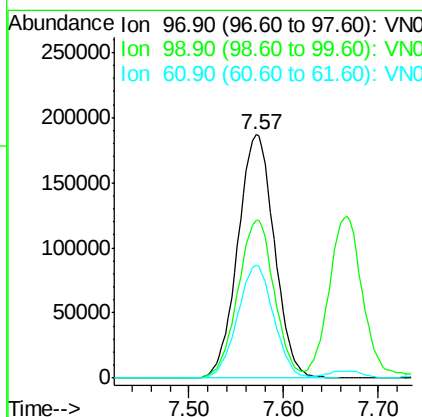
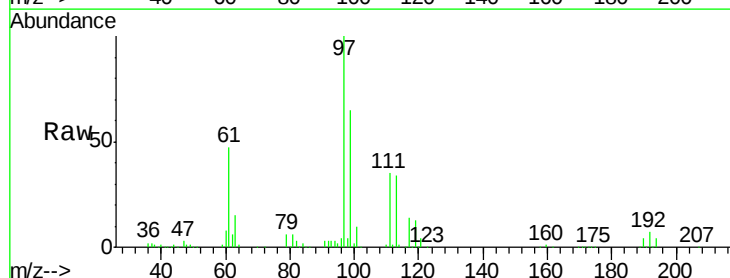
Manual Integrations
APPROVED

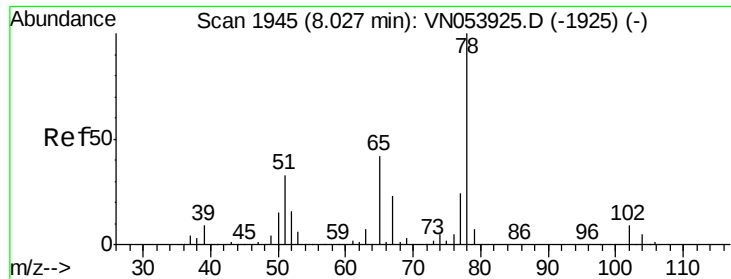
MMDadoda
2/28/2019 2:55:49 PM



#32
1,1,1-Trichloroethane
Concen: 51.790 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.8	77.8
61	45.9	33.2	49.8





#33

1,2-Dichloroethane-d4

Concen: 54.206 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 376091

Ion Ratio Lower Upper

65 100

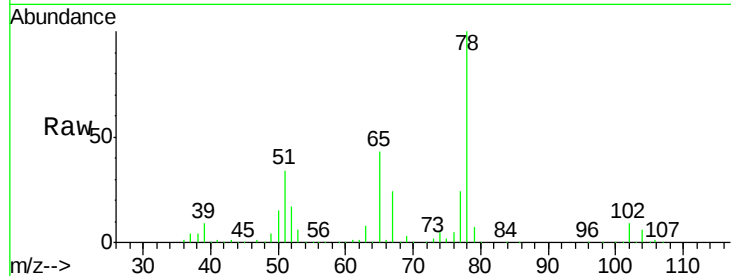
67 54.6 0.0 111.8

Manual Integrations

APPROVED

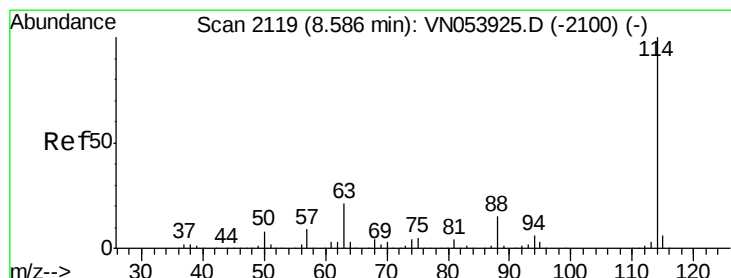
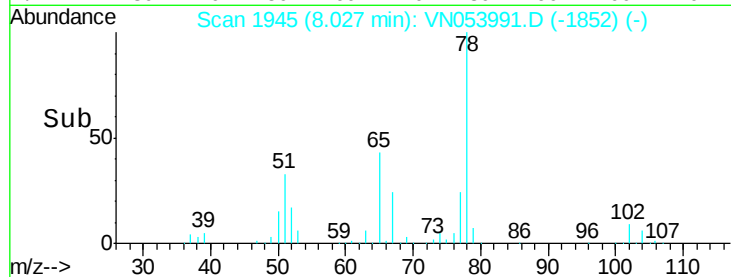
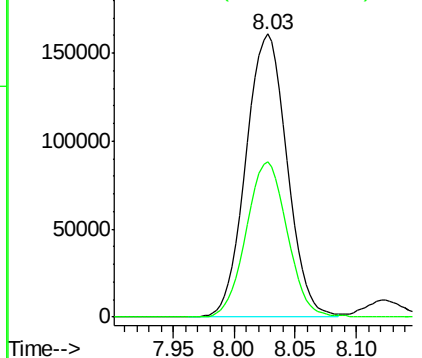
MMDadoda

2/28/2019 2:55:49 PM



Abundance Ion 64.90 (64.60 to 65.60): VN053991.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN053991.D (-1852) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

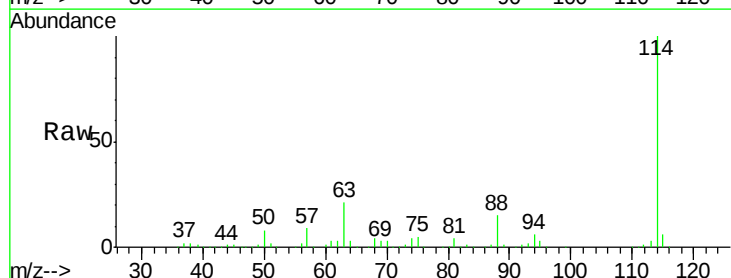
Tgt Ion: 114 Resp: 999867

Ion Ratio Lower Upper

114 100

63 20.9 0.0 37.4

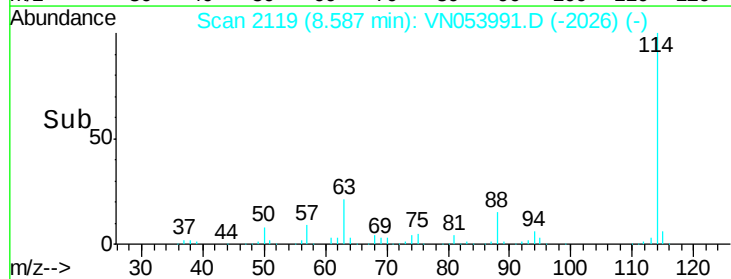
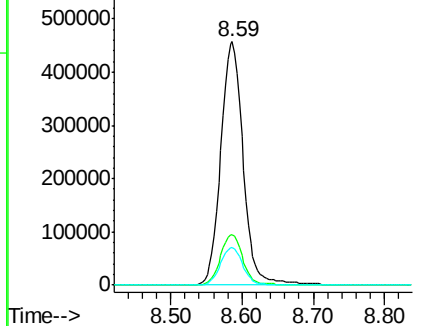
88 15.2 0.0 30.4

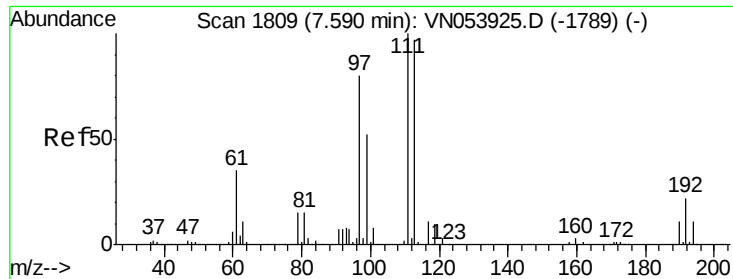


Abundance Ion 113.90 (113.60 to 114.60): VN053991.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN053991.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN053991.D (-2026) (-)





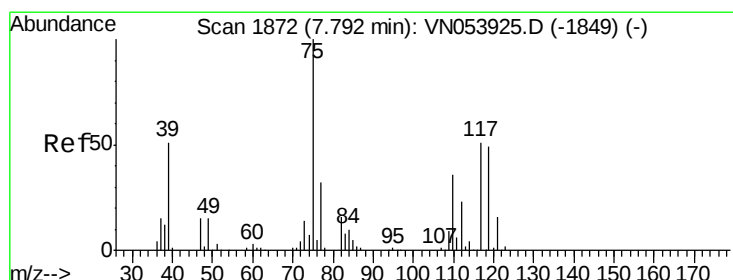
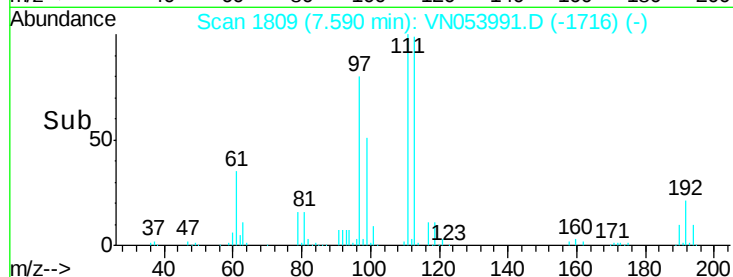
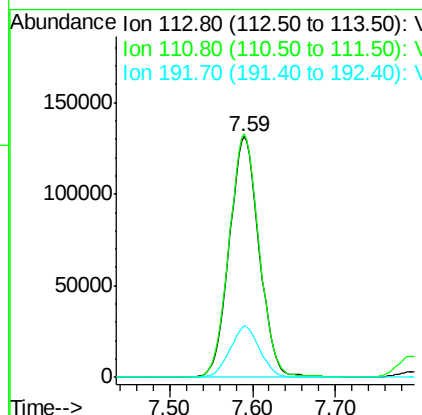
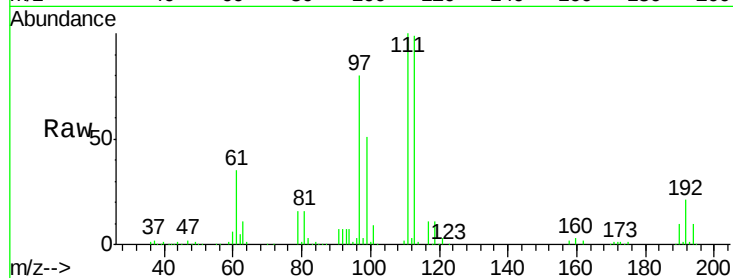
#35
Dibromofluoromethane
Concen: 50.920 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	329233		
111	101.7	81.1	121.7	
192	21.2	18.8	28.2	

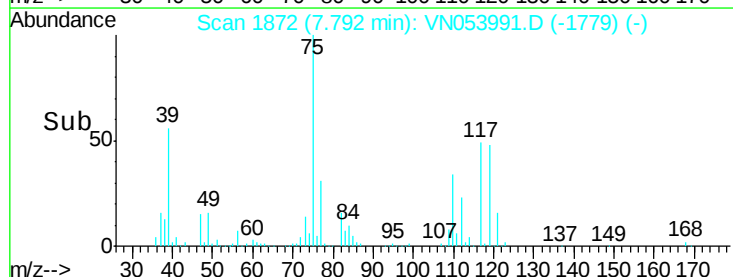
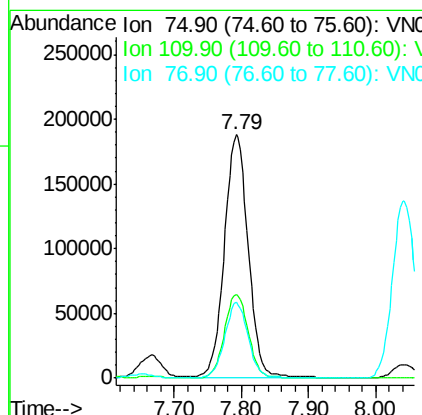
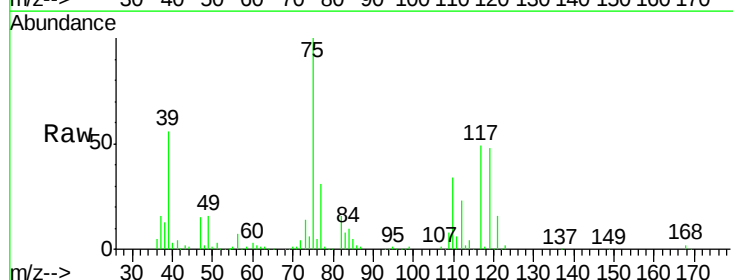
Manual Integrations
APPROVED

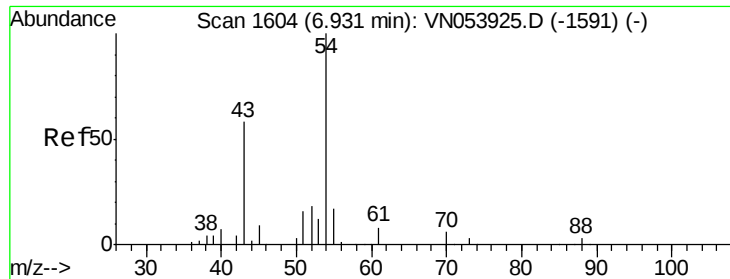
MMDadoda
2/28/2019 2:55:49 PM



#36
1,1-Dichloropropene
Concen: 50.068 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	465550		
110	34.4	19.0	57.0	
77	30.6	25.4	38.0	





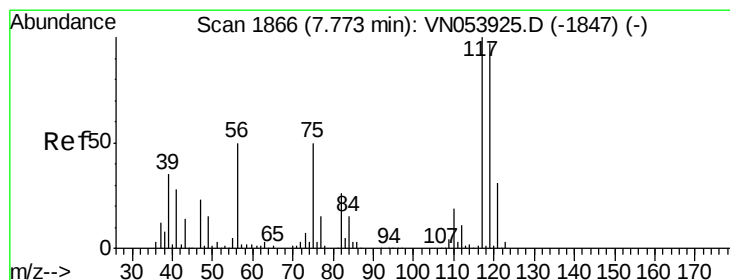
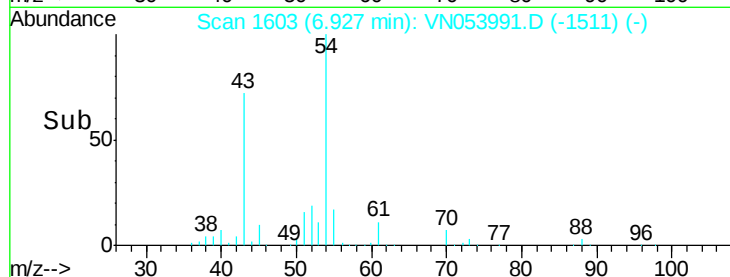
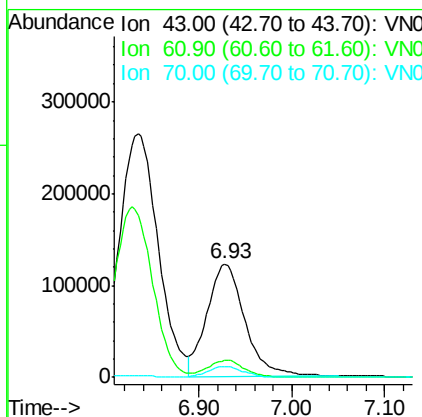
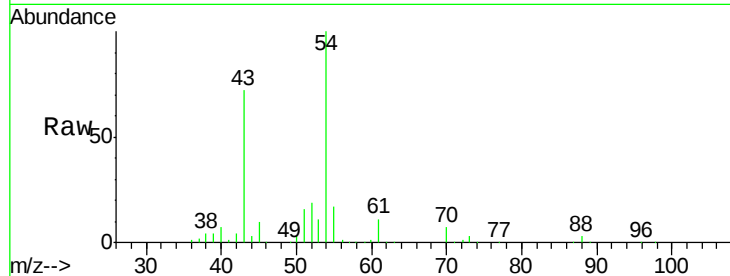
#37
Ethyl Acetate
Concen: 52.217 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	12.0	18.0
70	9.5	8.7	13.1

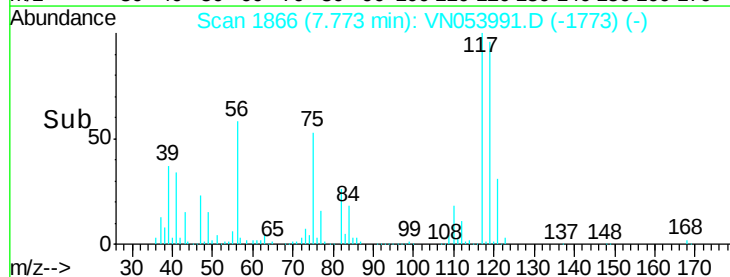
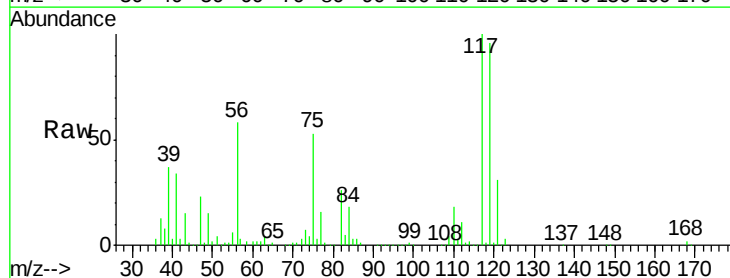
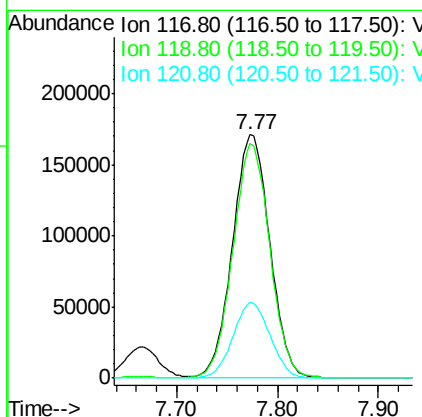
Manual Integrations
APPROVED

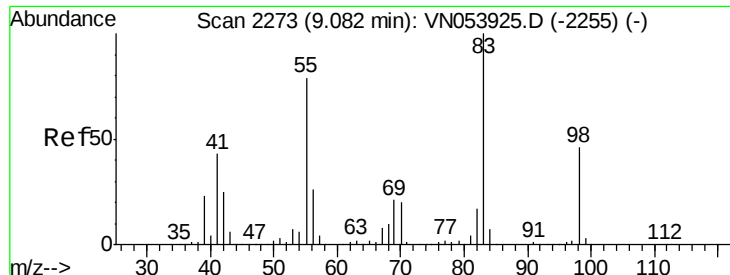
MMDadoda
2/28/2019 2:55:49 PM



#38
Carbon Tetrachloride
Concen: 45.214 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.2	114.2
121	31.2	24.6	36.8





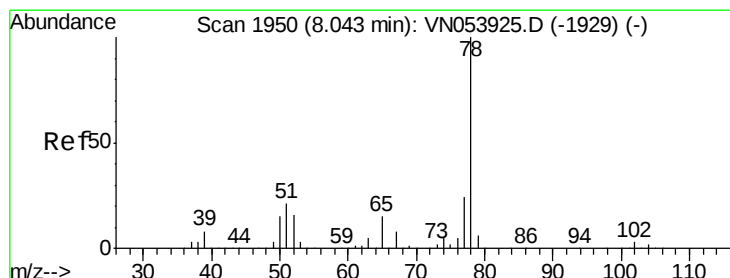
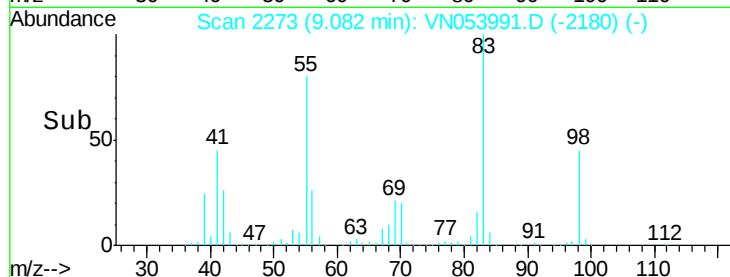
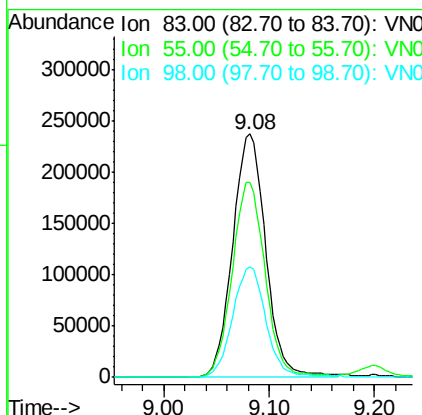
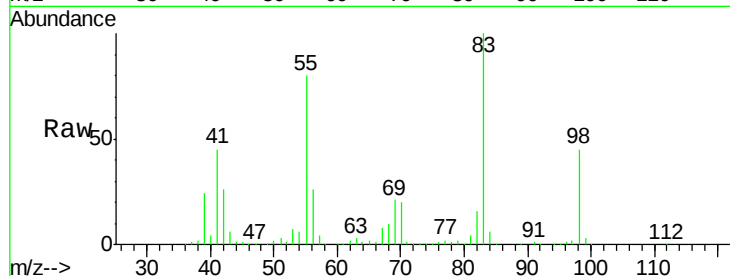
#39
Methvlcvclohexane
Concen: 46.155 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.1	58.2	87.4
98	45.3	37.2	55.8

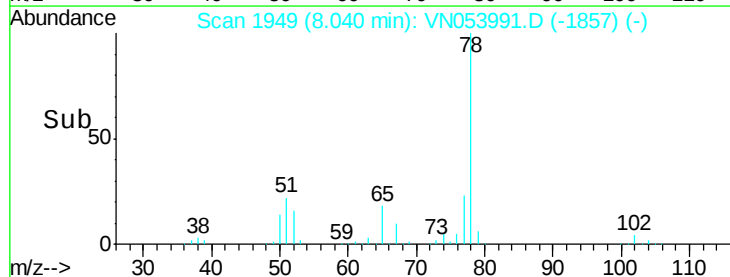
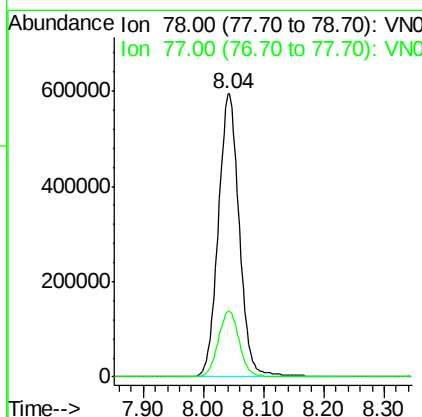
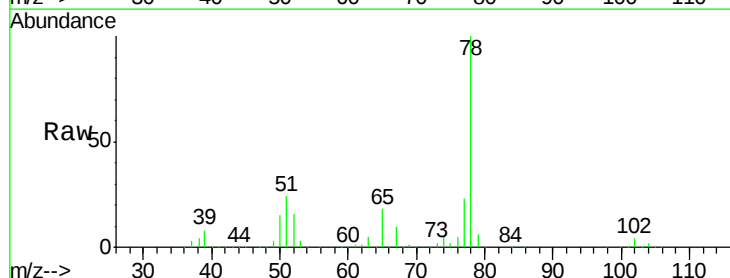
Manual Integrations
APPROVED

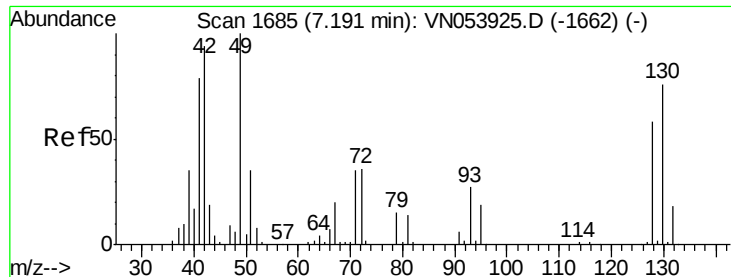
MMDadoda
2/28/2019 2:55:49 PM



#40
Benzene
Concen: 49.769 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.8	28.2





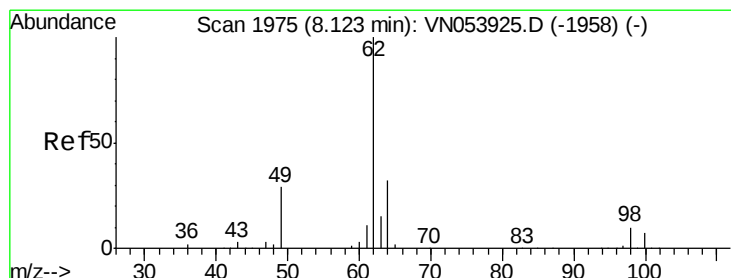
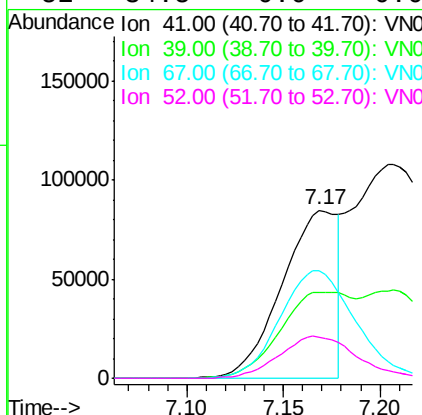
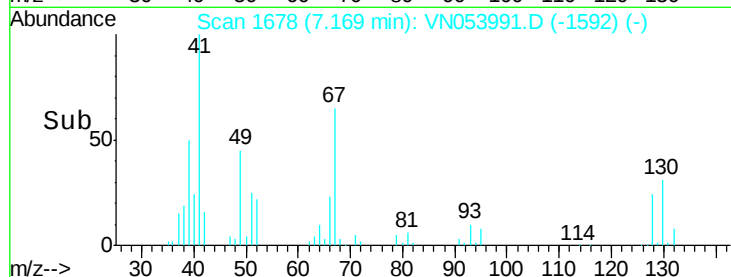
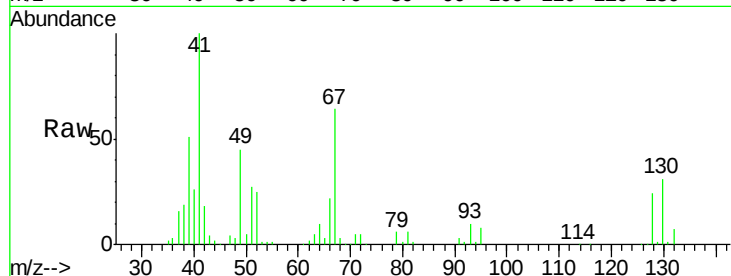
#41
Methacrylonitrile
Concen: 39.454 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.02 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	168673
Ion Ratio	Lower	Upper	
41	100		
39	67.7	0.0	0.0#
67	87.5	0.0	0.0#
52	34.5	0.0	0.0#

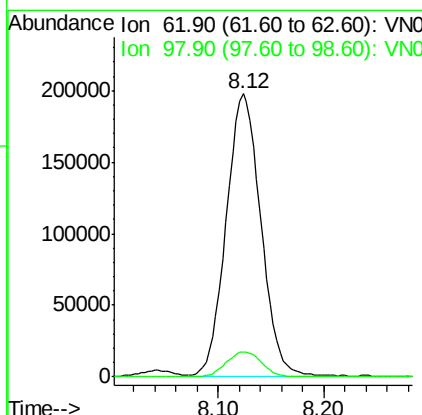
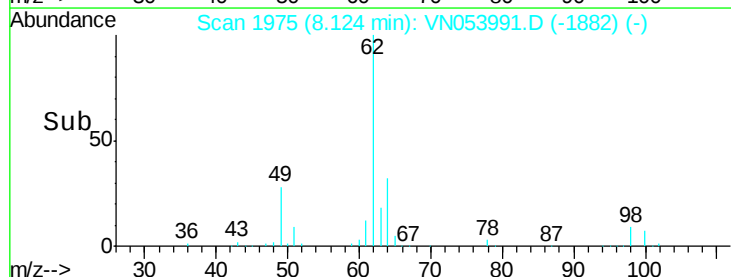
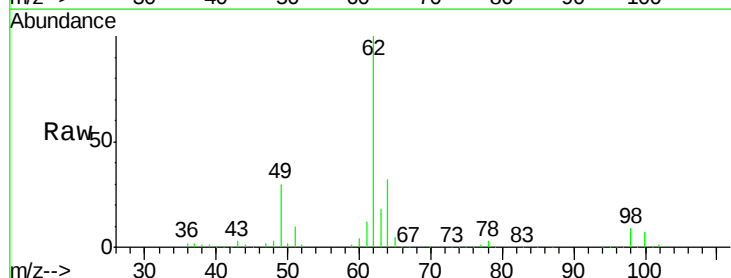
Manual Integrations
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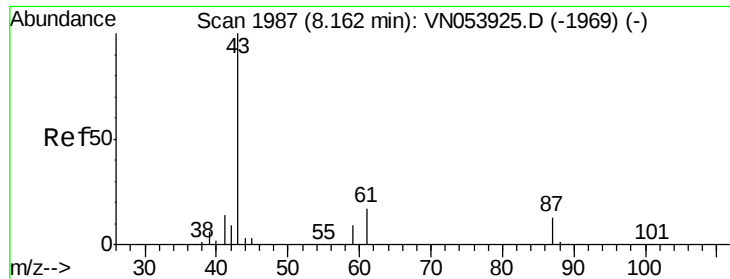
MMDadoda
2/28/2019 2:55:49 PM



#42
1,2-Dichloroethane
Concen: 50.658 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Tgt Ion	62	Resp	447998
Ion Ratio	Lower	Upper	
62	100		
98	9.3	0.0	20.8





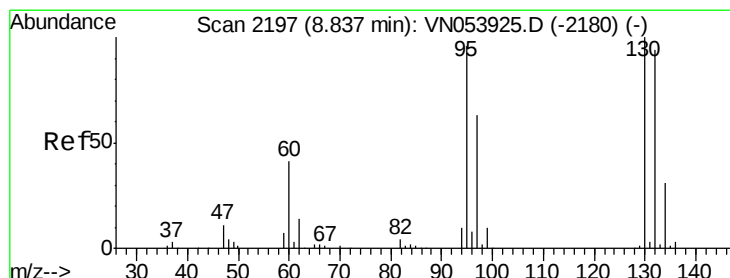
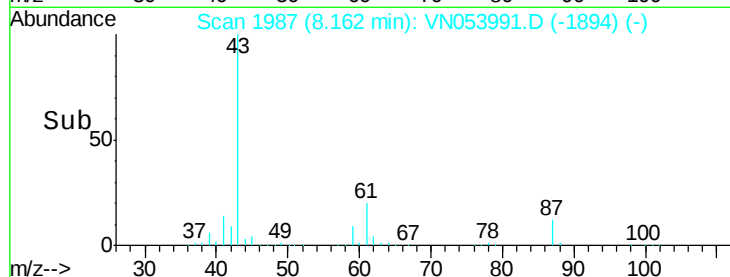
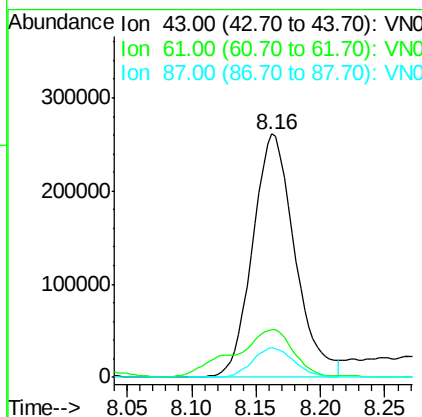
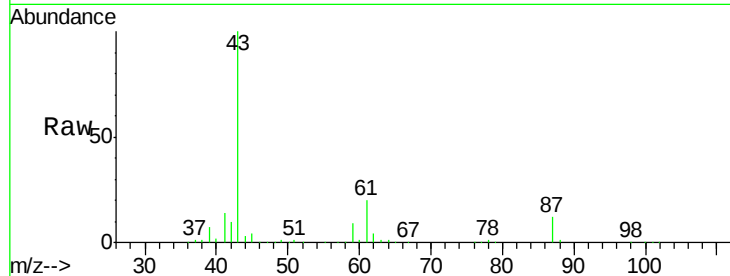
#43
Isopropyl Acetate
Concen: 53.029 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.6	17.4	26.0#
87	12.0	11.5	17.3

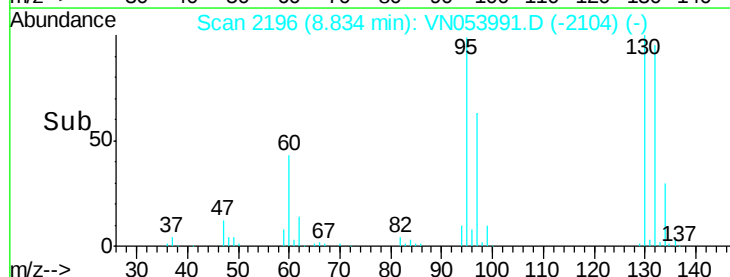
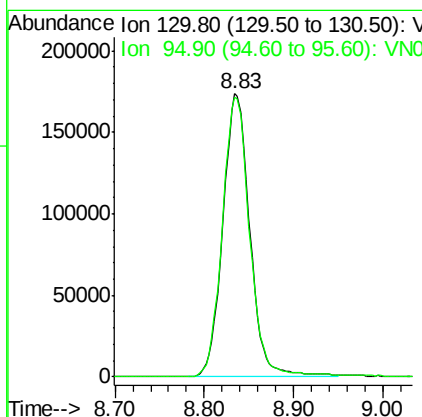
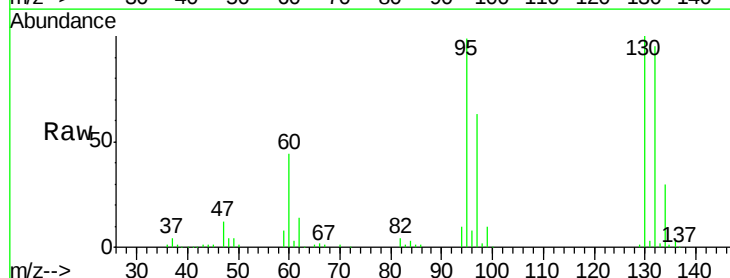
Manual Integrations
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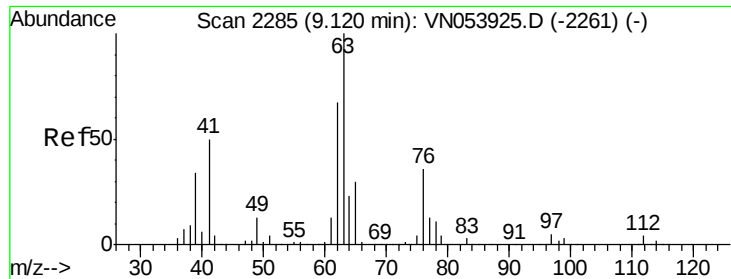
MMDadoda
2/28/2019 2:55:49 PM



#44
Trichloroethene
Concen: 48.212 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	190.0





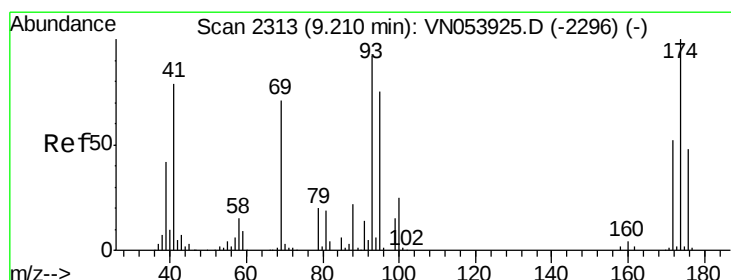
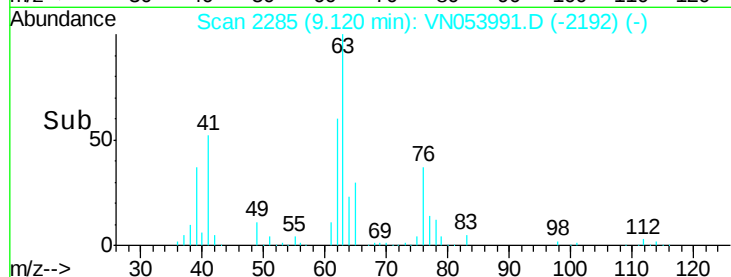
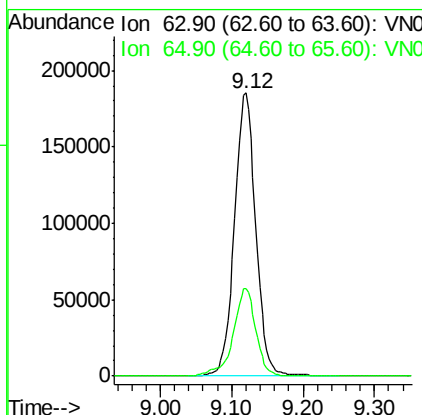
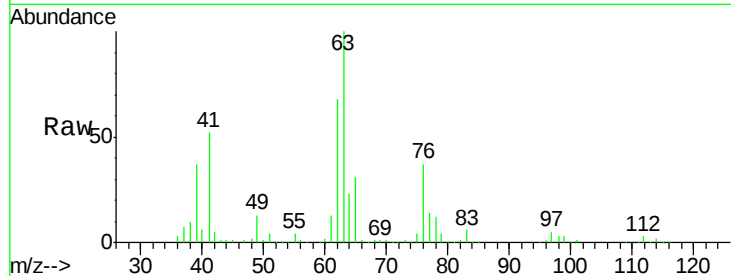
#45
 1,2-Dichloropropane
 Concen: 50.354 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053991.D
 Acq: 28 Feb 2019 1:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.3	36.5

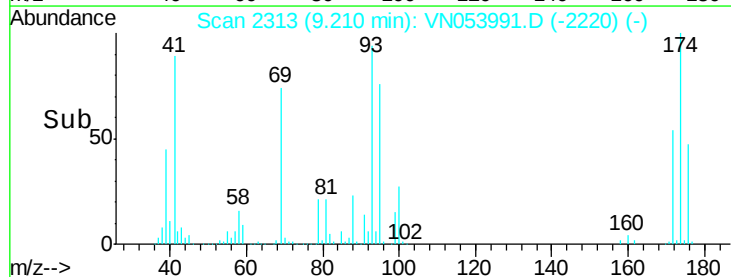
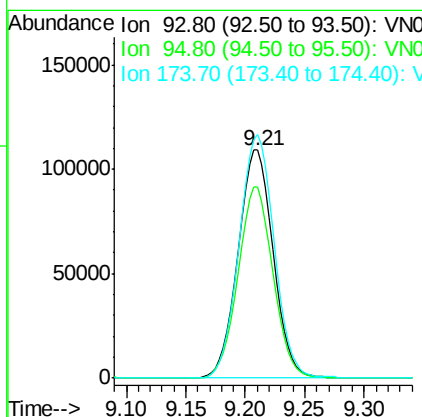
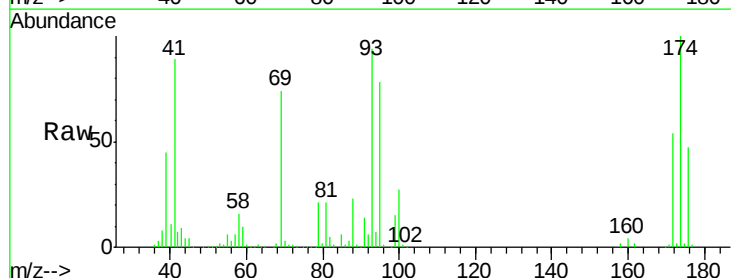
Manual Integrations
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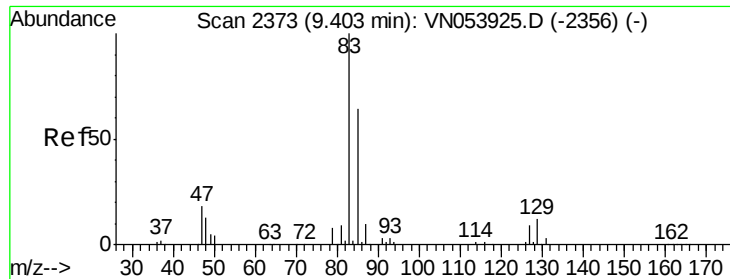
MMDadoda
 2/28/2019 2:55:49 PM



#46
 Dibromomethane
 Concen: 50.038 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053991.D
 Acq: 28 Feb 2019 1:32

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	66.6	100.0
174	106.8	96.2	144.4





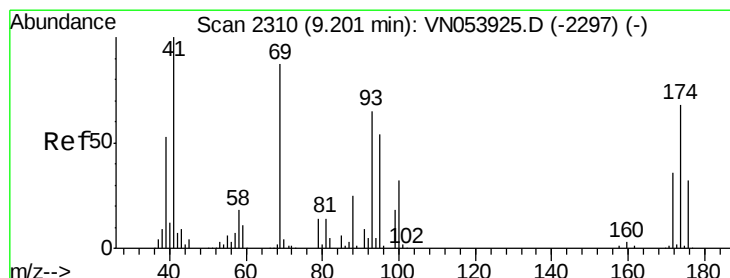
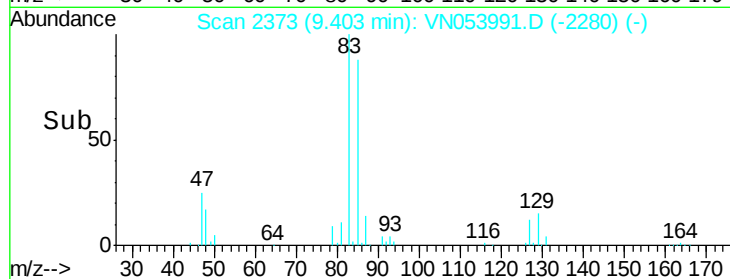
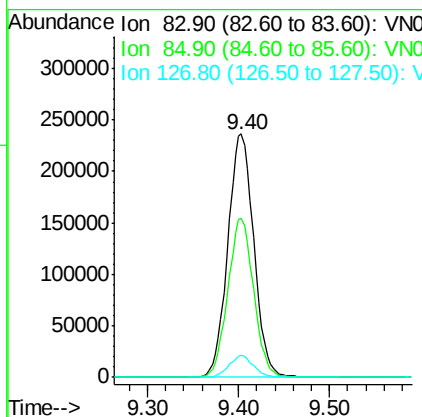
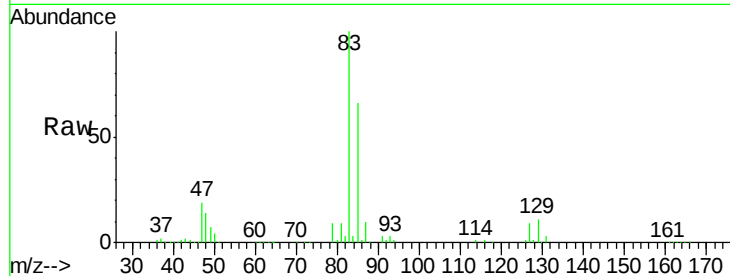
#47
Bromodichloromethane
Concen: 49.693 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	468553
Ion Ratio	100		
83	100		
85	65.6	51.8	77.6
127	8.9	7.4	11.0

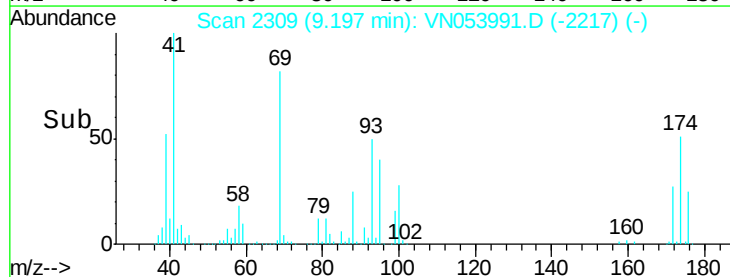
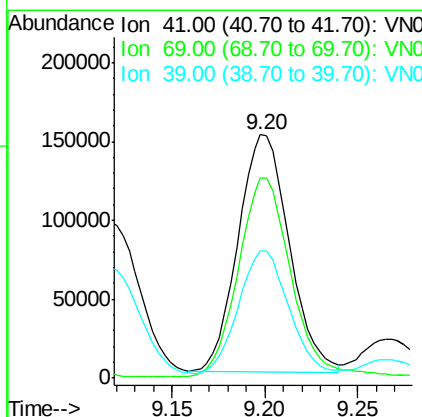
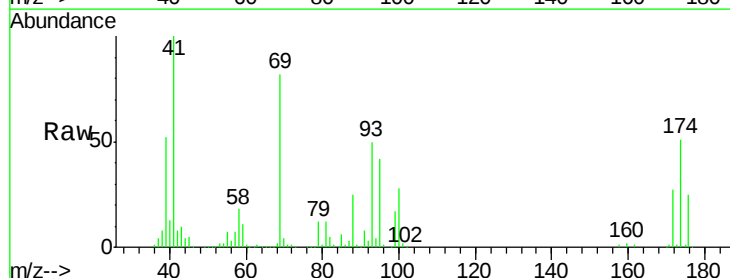
Manual Integrations
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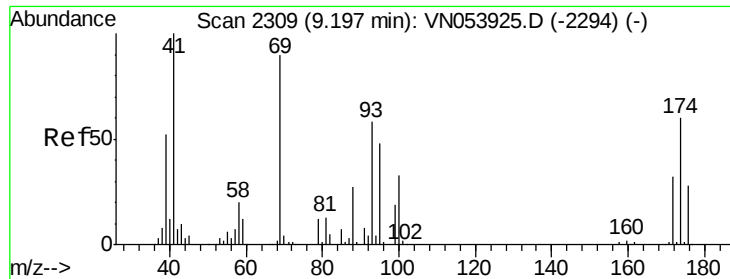
MMDadoda
2/28/2019 2:55:49 PM



#48
Methyl methacrylate
Concen: 55.911 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Tgt Ion	41	Resp	288295
Ion Ratio	100		
41	100		
69	87.3	74.8	112.2
39	54.6	39.0	58.6





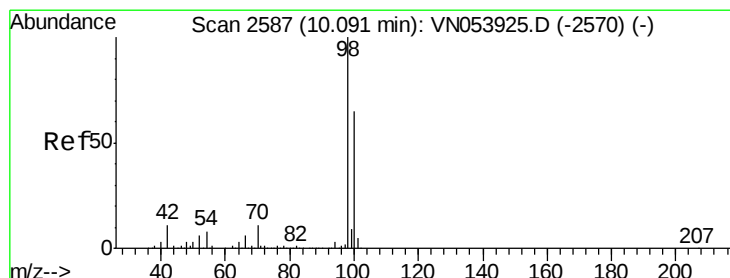
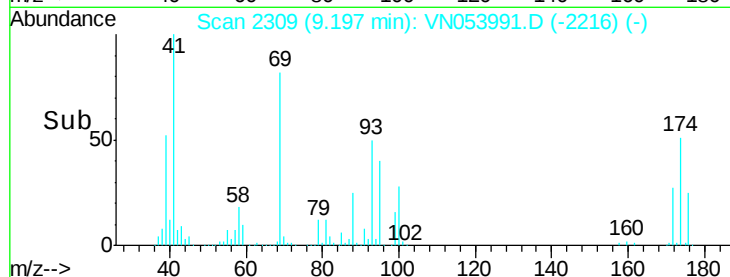
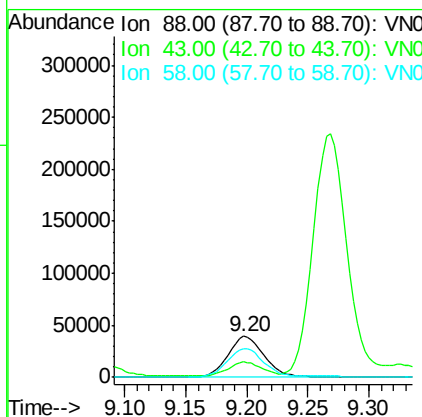
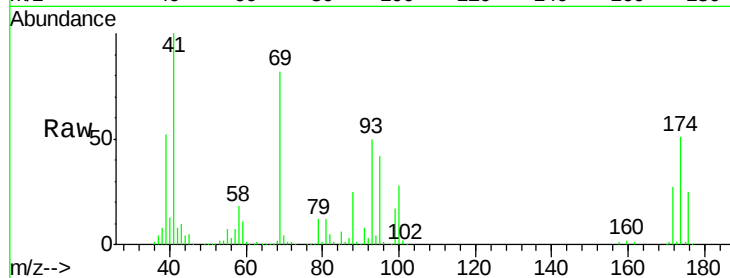
#49
 1,4-Dioxane
 Concen: 1183.438 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN053991.D
 Acq: 28 Feb 2019 1:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.7	21.2	31.8
58	70.9	54.2	81.2

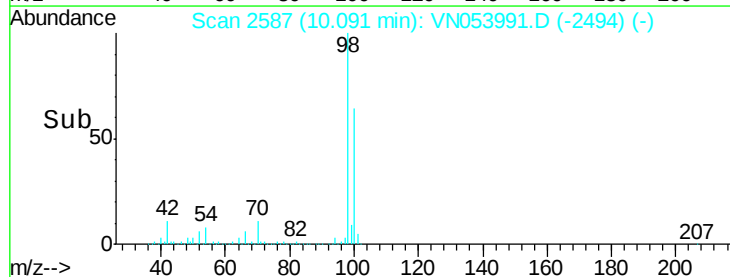
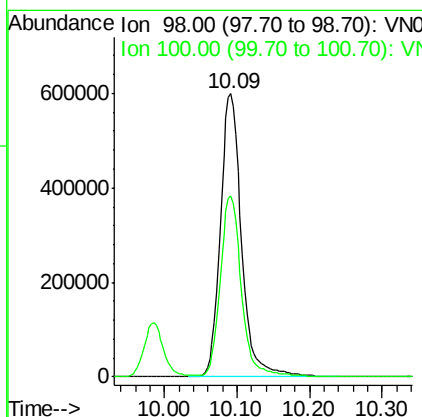
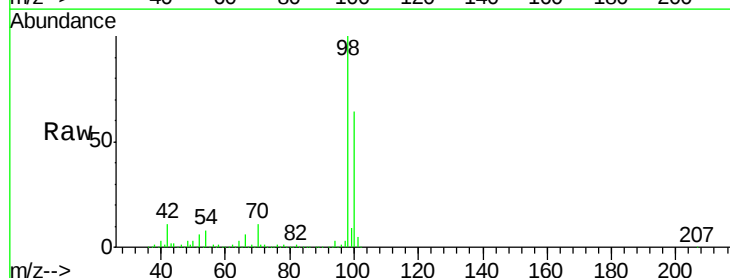
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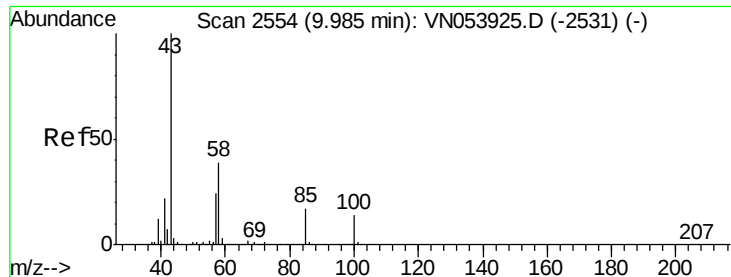
MMDadoda
 2/28/2019 2:55:49 PM



#50
 Toluene-d8
 Concen: 50.299 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN053991.D
 Acq: 28 Feb 2019 1:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 288.626 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1662636

Ion Ratio Lower Upper

43 100

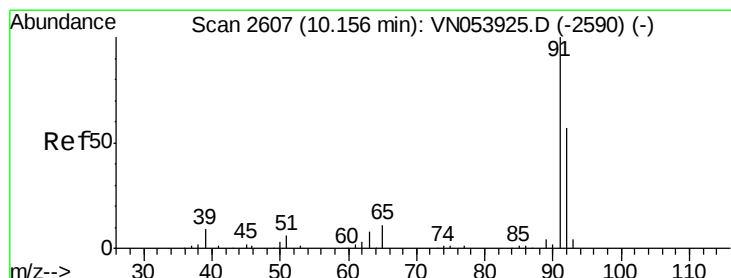
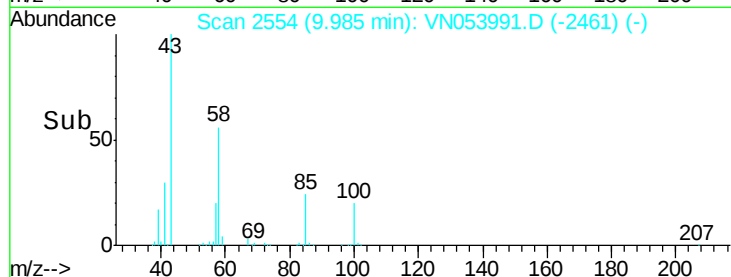
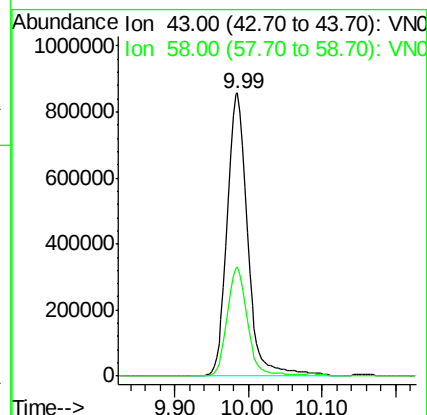
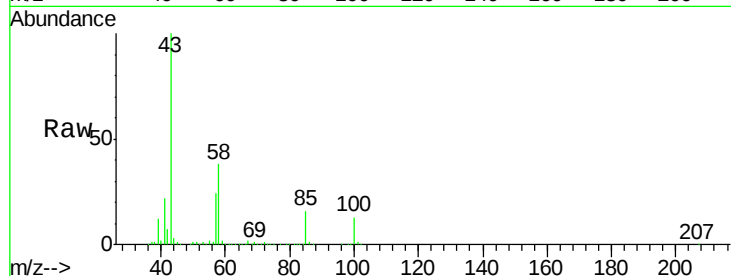
58 37.9 32.7 49.1

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2/28/2019 2:55:49 PM



#52

Toluene

Concen: 50.094 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053991.D

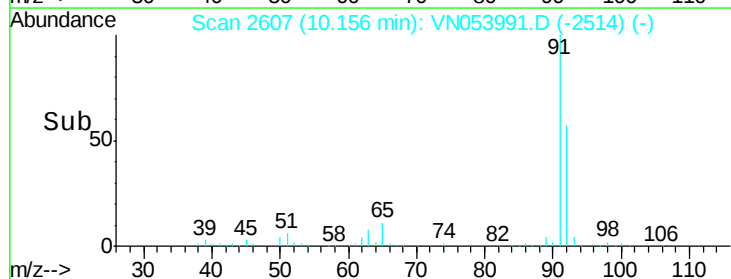
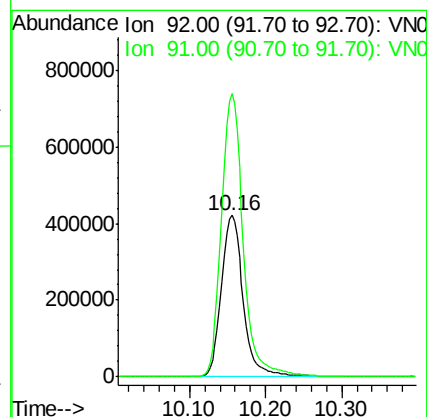
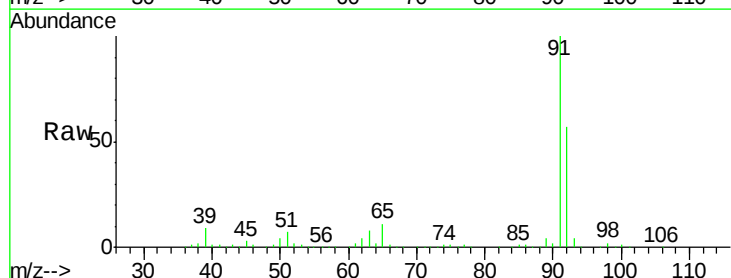
Acq: 28 Feb 2019 1:32

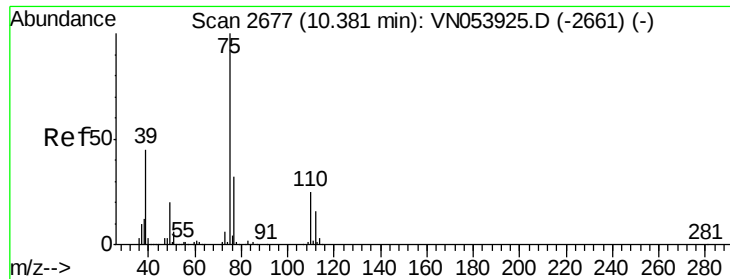
Tgt Ion: 92 Resp: 842588

Ion Ratio Lower Upper

92 100

91 174.8 138.4 207.6





#53

t-1,3-Dichloropropene

Concen: 51.659 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 473940

Ion Ratio Lower Upper

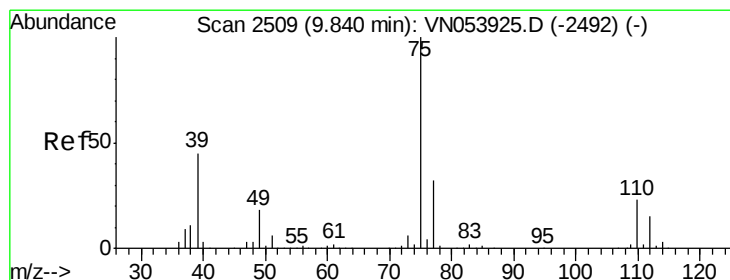
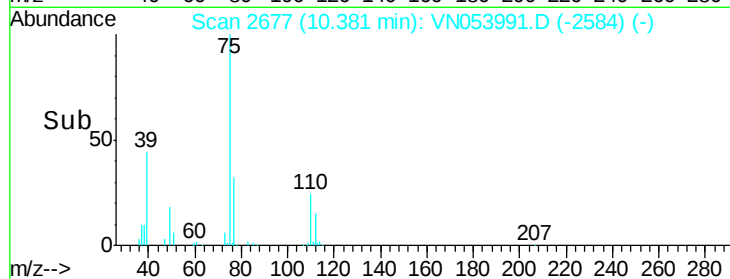
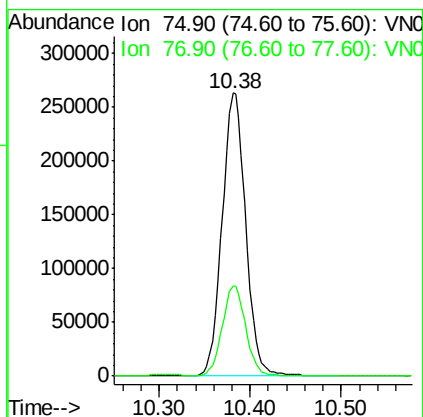
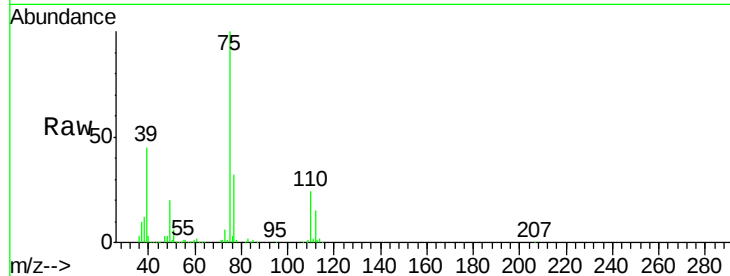
75 100

77 31.9 25.0 37.6

Manual Integrations
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2/28/2019 2:55:49 PM



#54

cis-1,3-Dichloropropene

Concen: 50.209 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

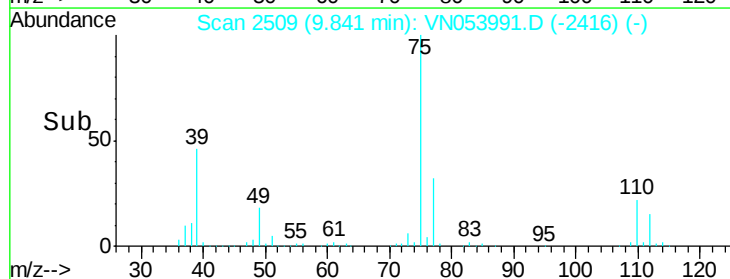
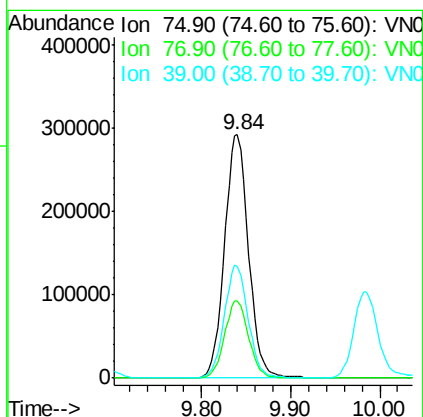
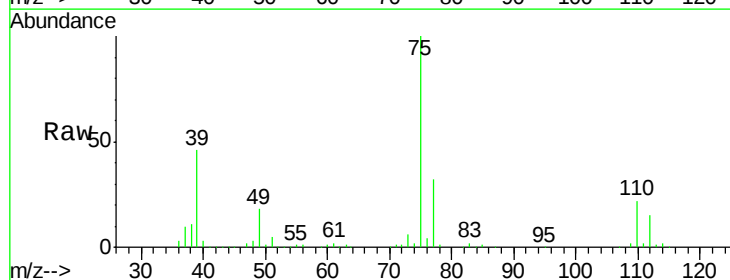
Tgt Ion: 75 Resp: 543031

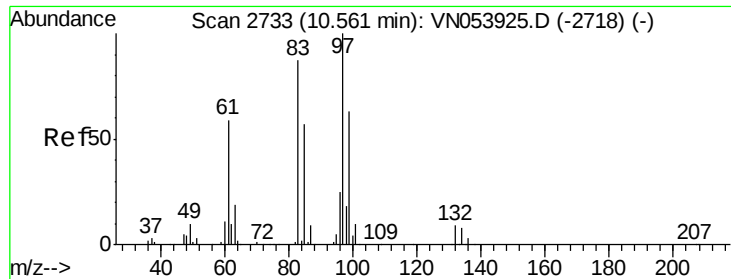
Ion Ratio Lower Upper

75 100

77 31.7 25.8 38.6

39 45.7 31.4 47.0





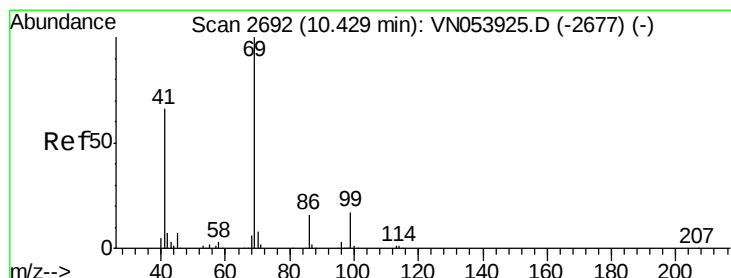
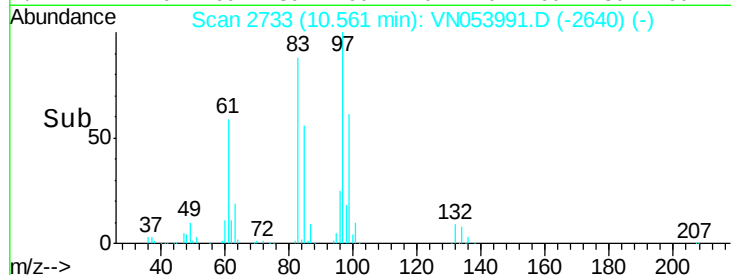
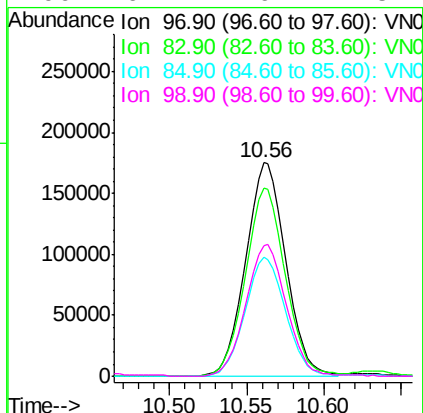
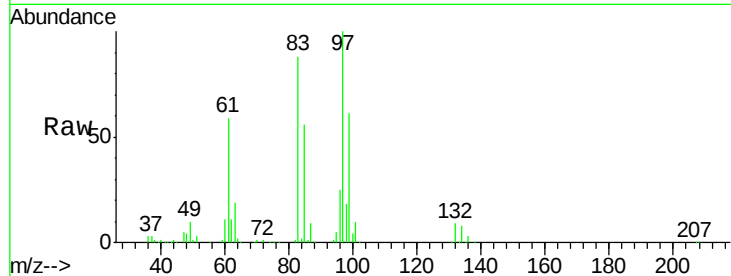
#55
 1,1,2-Trichloroethane
 Concen: 50.232 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053991.D
 Acq: 28 Feb 2019 1:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	315542
Ion	Ratio	Lower	Upper
97	100		
83	88.3	69.5	104.3
85	55.6	45.9	68.9
99	61.2	49.1	73.7

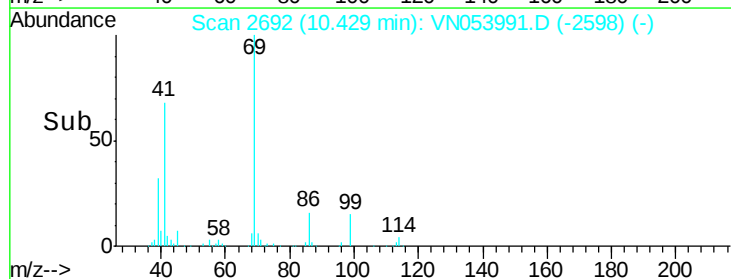
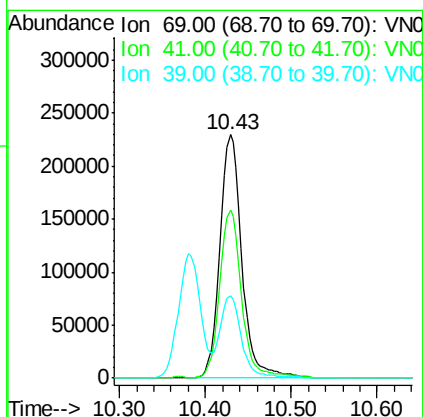
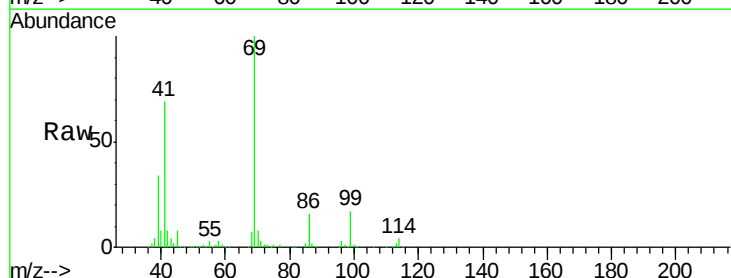
Manual Integrations
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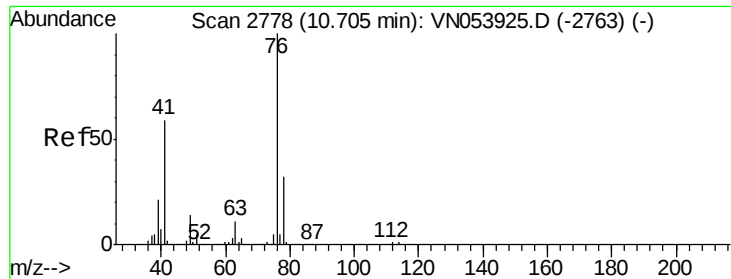
MMDadoda
 2/28/2019 2:55:49 PM



#56
 Ethyl methacrylate
 Concen: 49.741 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053991.D
 Acq: 28 Feb 2019 1:32

Tgt Ion:	69	Resp:	409609
Ion	Ratio	Lower	Upper
69	100		
41	68.6	47.5	71.3
39	33.4	23.4	35.0





#57

1,3-Dichloropropane

Concen: 51.268 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 544142

Ion Ratio Lower Upper

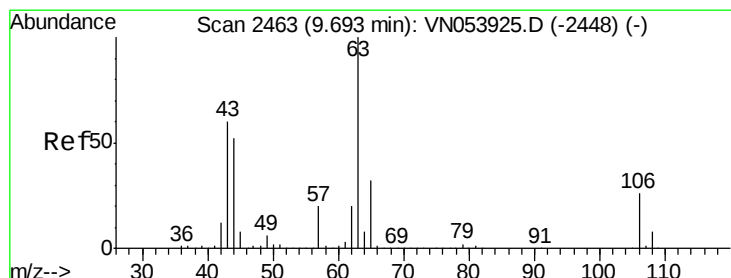
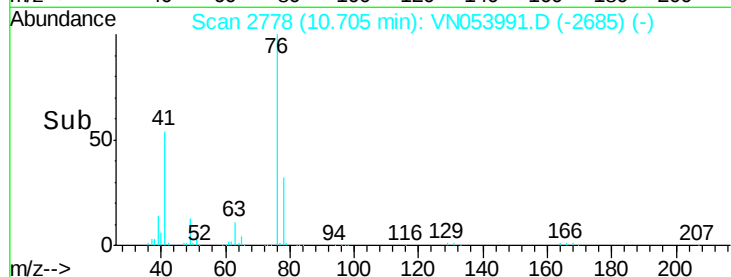
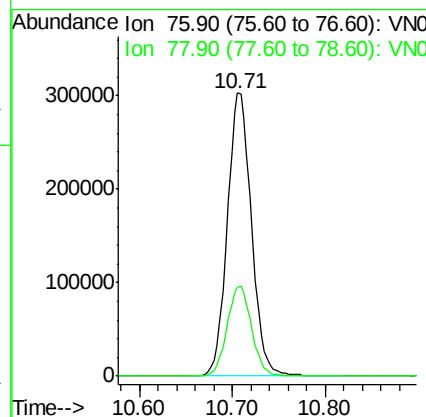
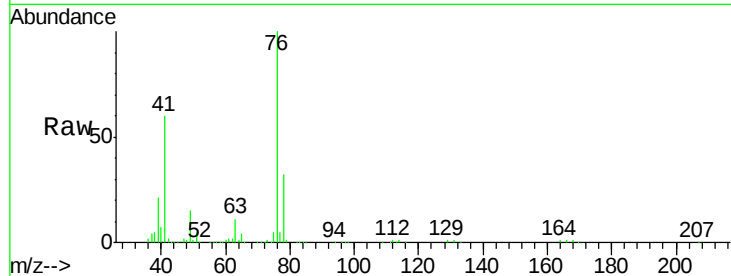
76 100

78 32.4 25.2 37.8

Manual Integrations
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2/28/2019 2:55:49 PM



#58

2-Chloroethyl Vinyl ether

Concen: 259.698 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053991.D

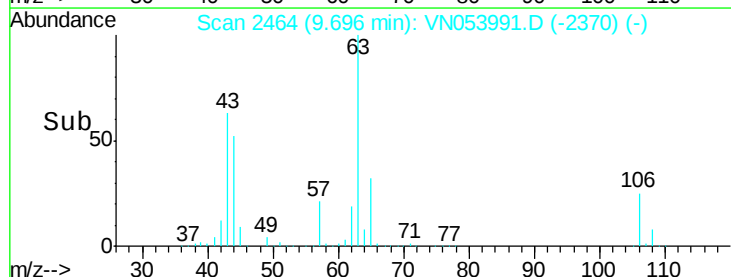
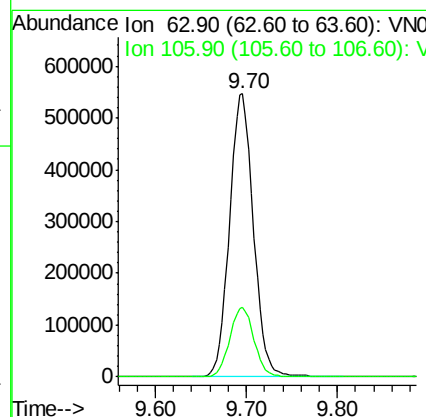
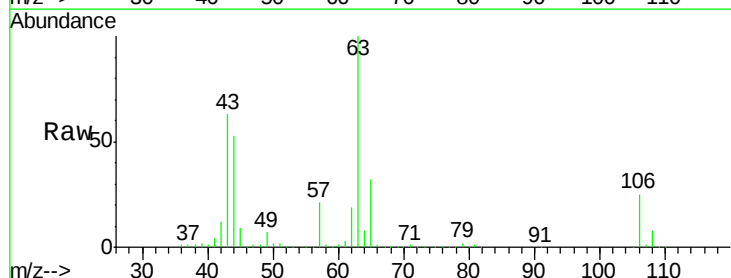
Acq: 28 Feb 2019 1:32

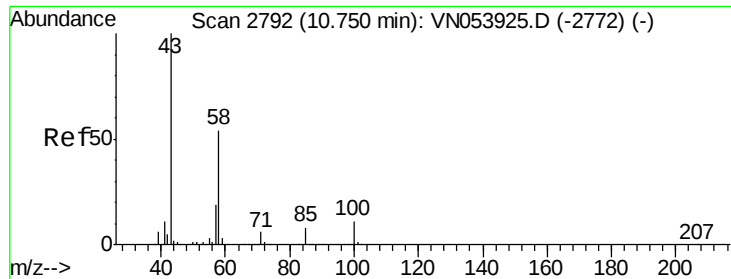
Tgt Ion: 63 Resp: 998005

Ion Ratio Lower Upper

63 100

106 24.9 22.2 33.2





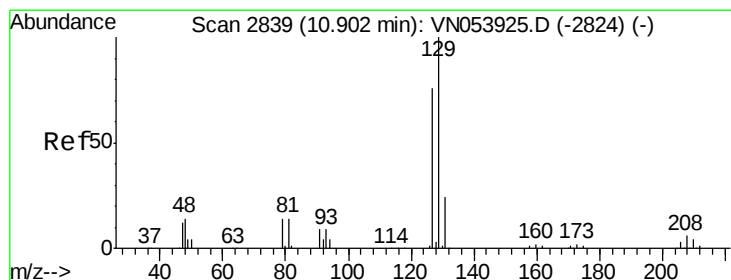
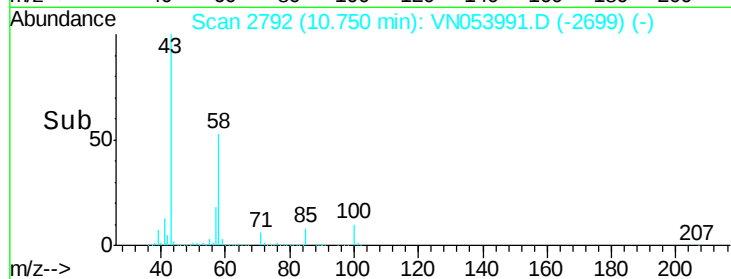
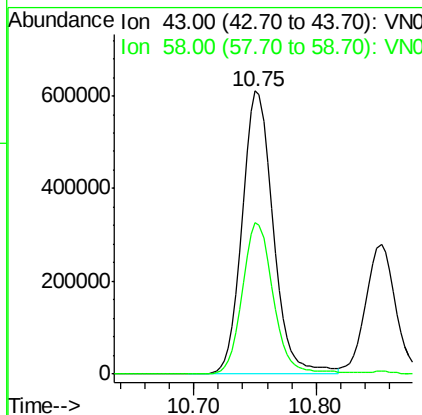
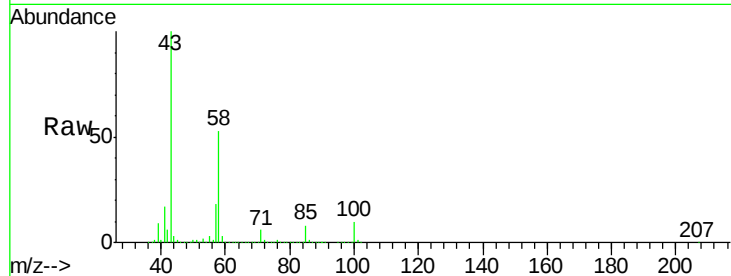
#59
2-Hexanone
Concen: 284.613 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1066312
Ion Ratio Lower Upper
43 100
58 53.5 29.1 87.4

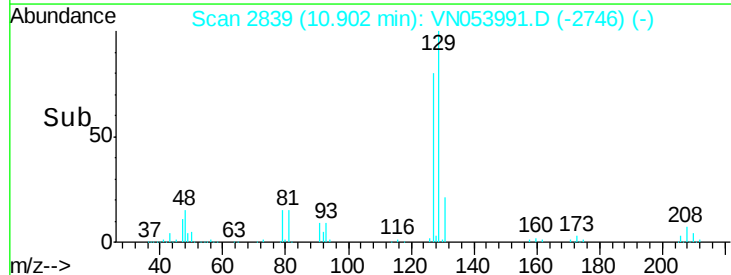
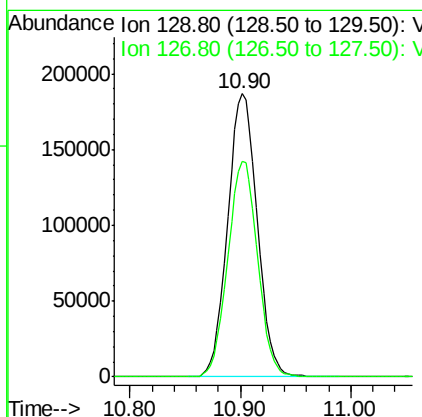
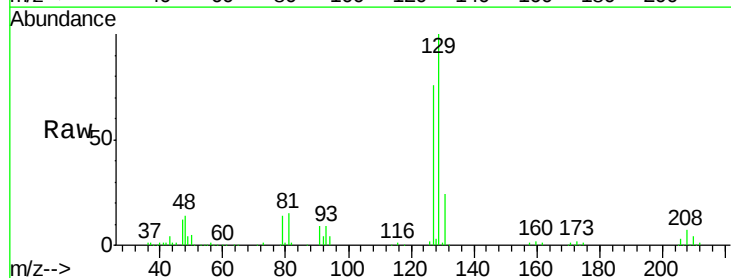
Manual Integrations
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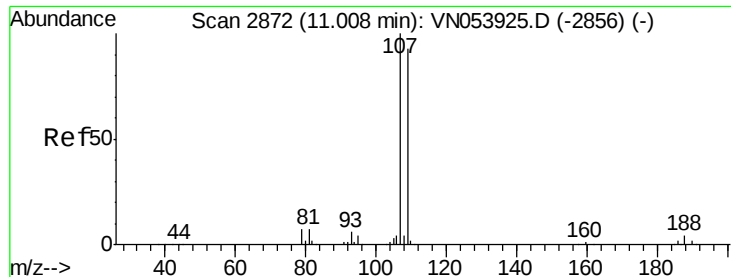
MMDadoda
2/28/2019 2:55:49 PM



#60
Dibromochloromethane
Concen: 49.779 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Tgt Ion: 129 Resp: 347518
Ion Ratio Lower Upper
129 100
127 76.7 38.8 116.3





#61

1,2-Dibromoethane

Concen: 50.495 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 305980

Ion Ratio Lower Upper

107 100

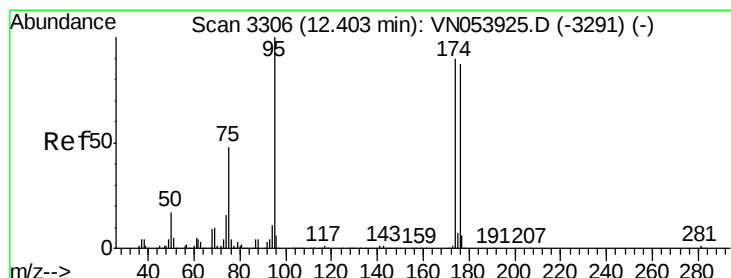
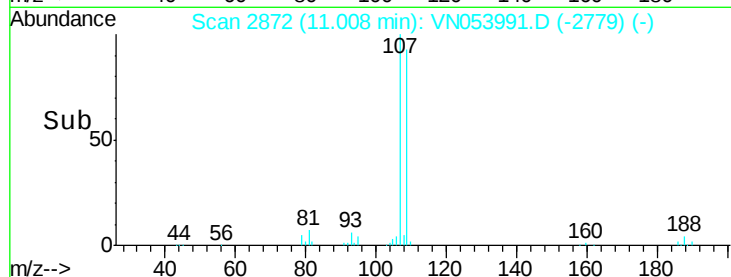
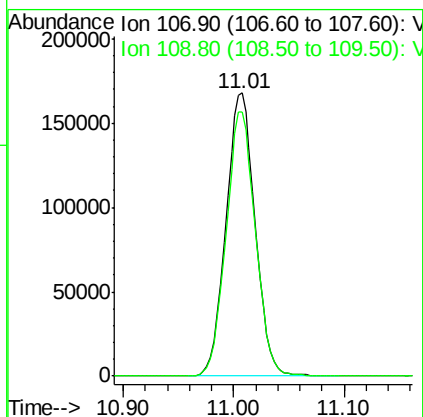
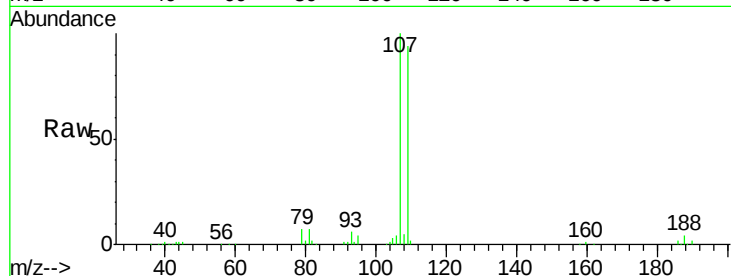
109 94.2 76.3 114.5

Manual Integrations

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2/28/2019 2:55:49 PM



#62

4-Bromofluorobenzene

Concen: 50.545 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

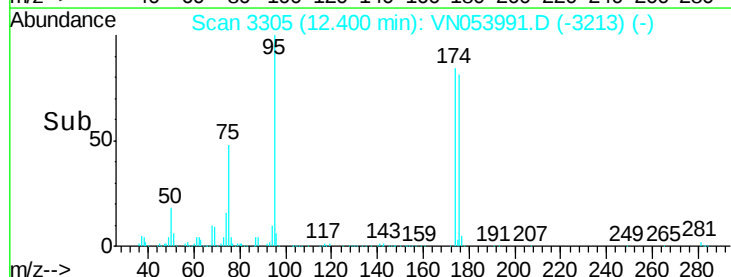
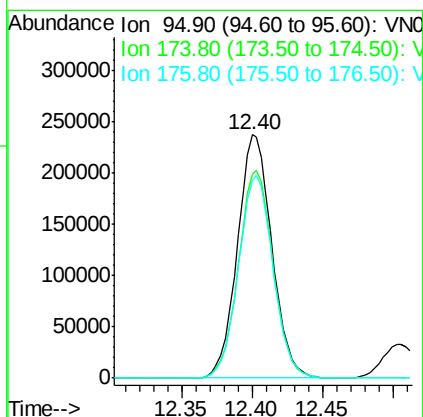
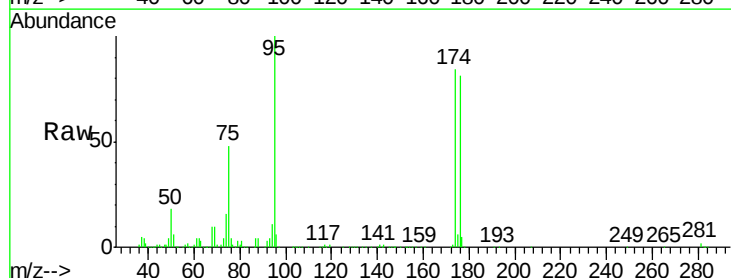
Tgt Ion: 95 Resp: 405327

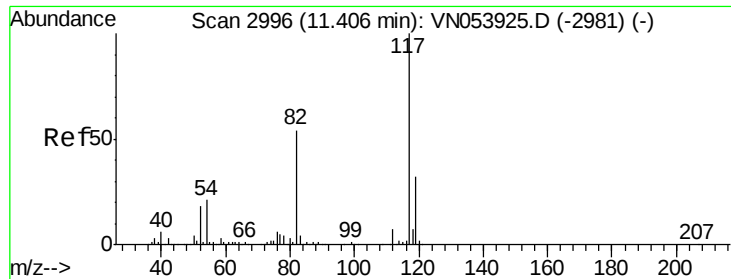
Ion Ratio Lower Upper

95 100

174 86.2 0.0 188.8

176 84.0 0.0 182.6





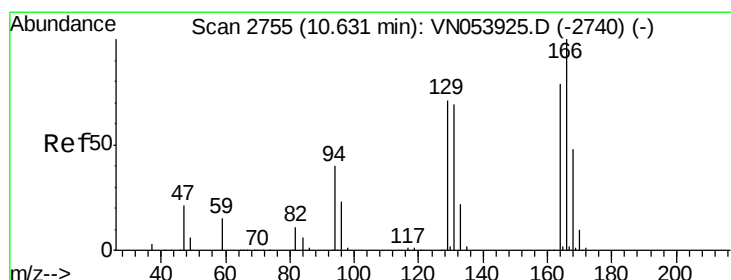
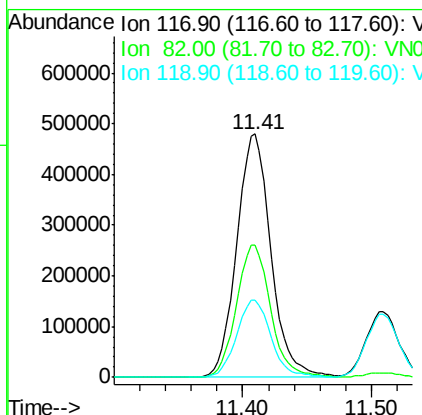
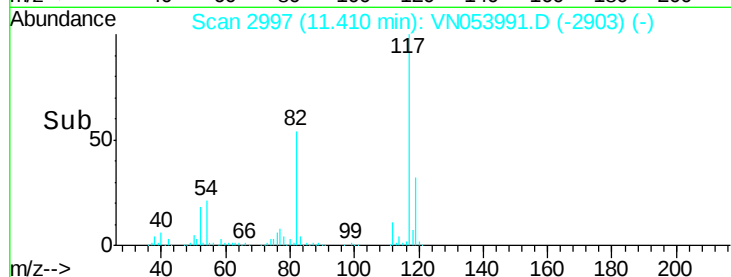
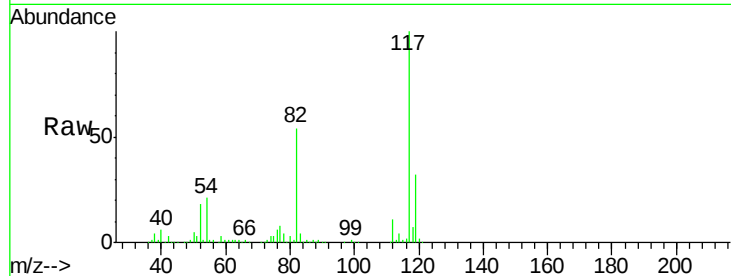
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	887572		
82	54.4		41.4	62.2
119	32.0		25.3	37.9

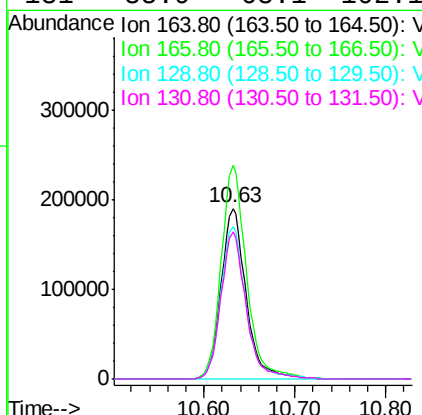
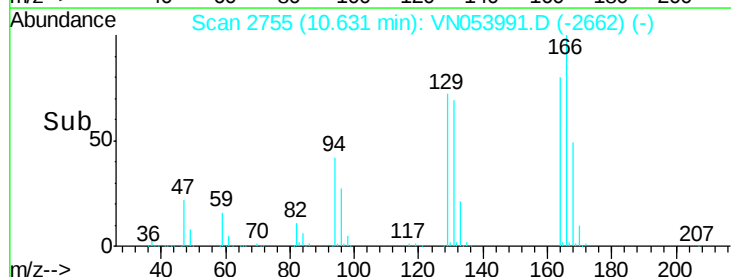
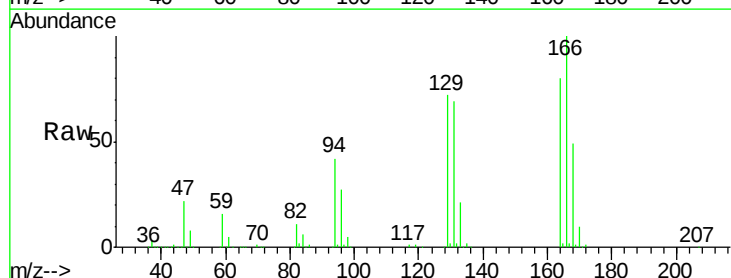
Manual Integrations
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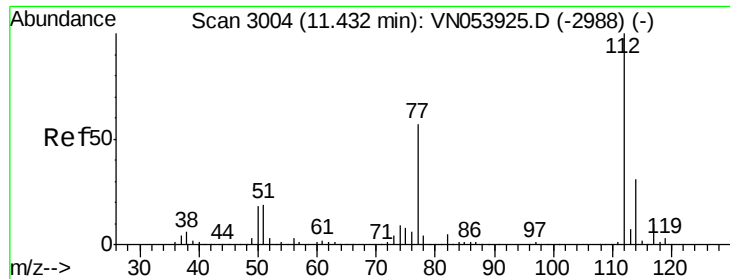
MMDadoda
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#64
Tetrachloroethene
Concen: 48.293 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	362959		
166	125.1		102.6	153.8
129	89.5		69.4	104.0
131	85.9		68.1	102.1





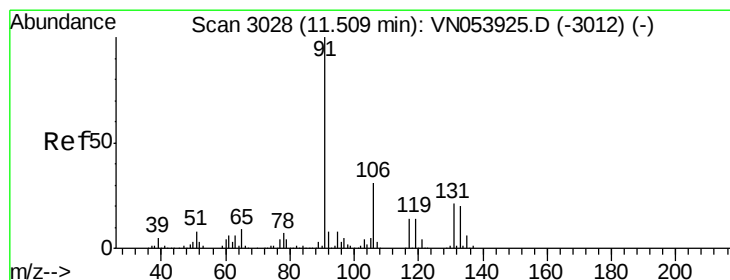
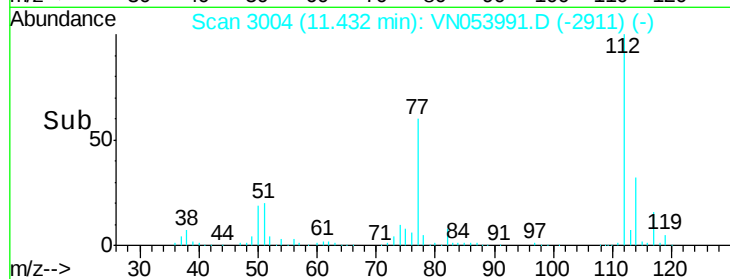
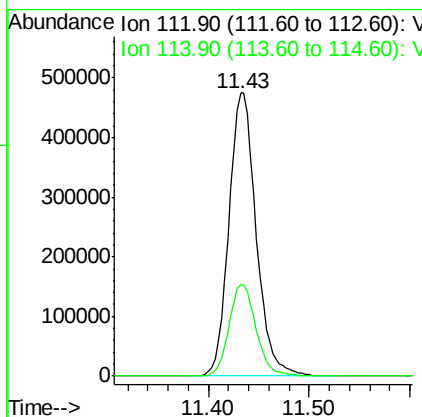
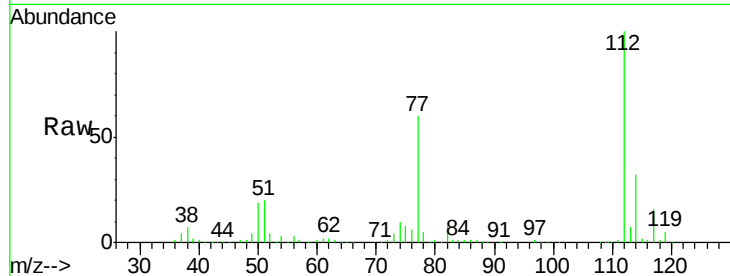
#65
Chlorobenzene
Concen: 47.671 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 892978
Ion Ratio Lower Upper
112 100
114 32.5 25.7 38.5

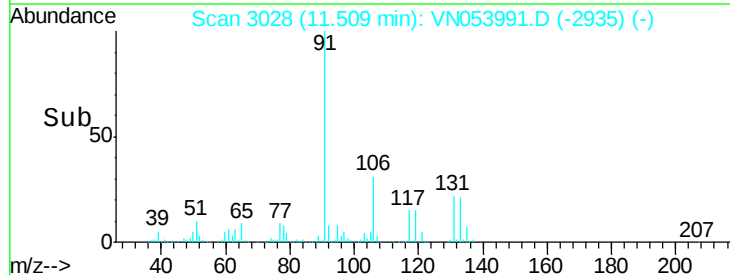
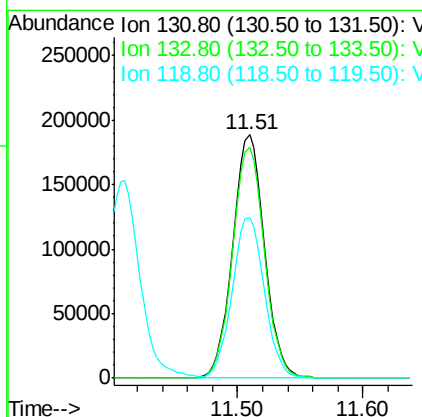
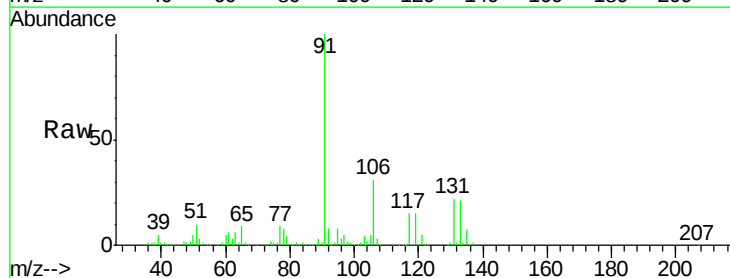
Manual Integrations
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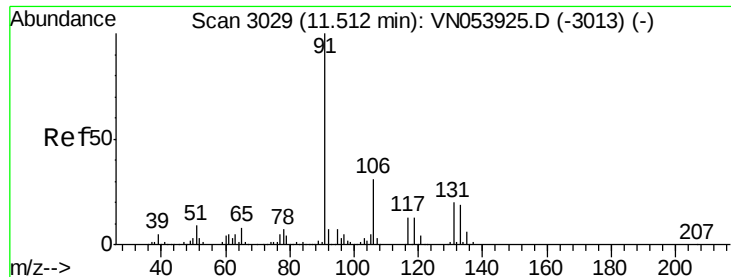
MMDadoda
2/28/2019 2:55:49 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.093 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Tgt Ion:131 Resp: 331431
Ion Ratio Lower Upper
131 100
133 95.5 47.7 143.1
119 67.0 33.1 99.3





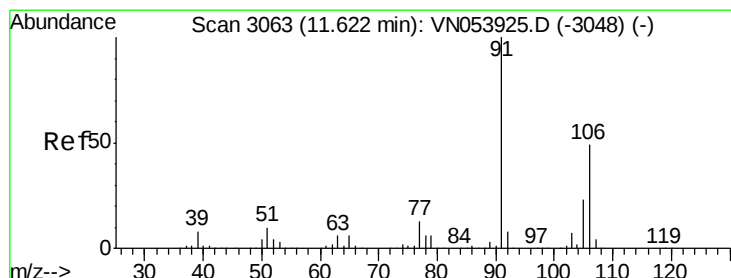
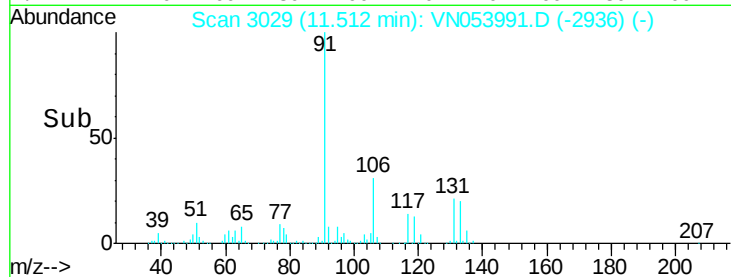
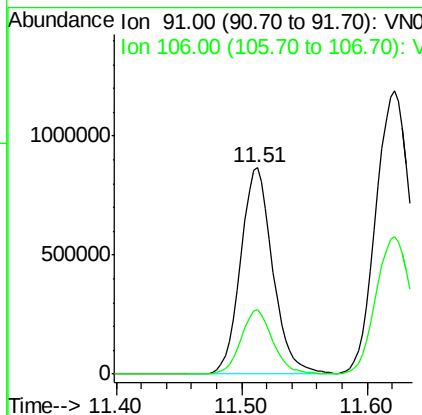
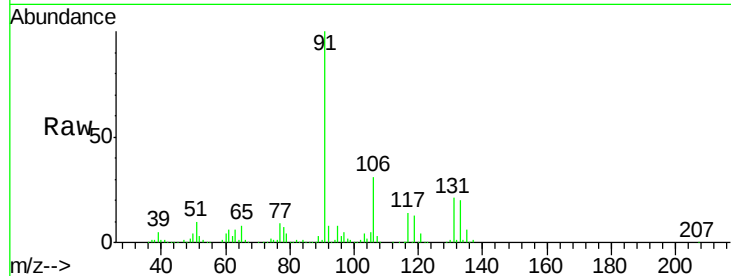
#67
Ethyl Benzene
Concen: 49.331 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1549117
Ion Ratio Lower Upper
91 100
106 31.0 25.2 37.8

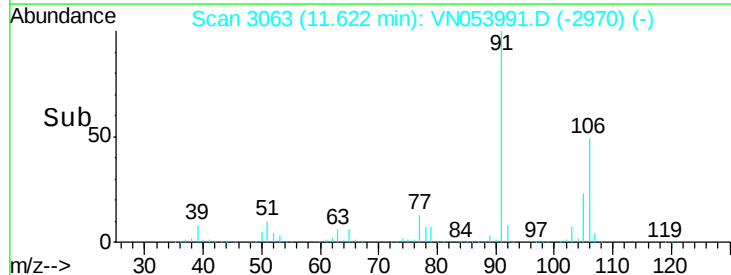
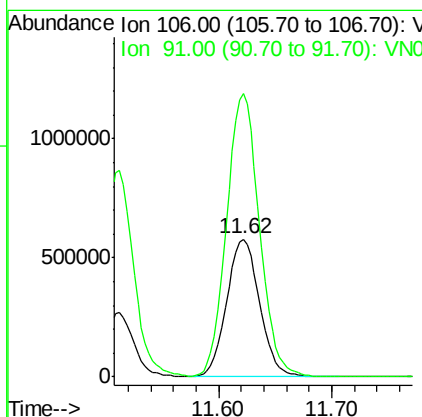
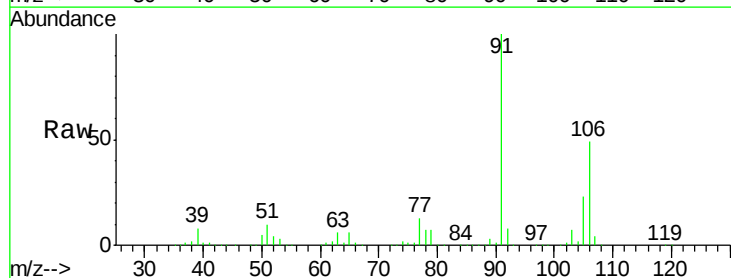
Manual Integrations
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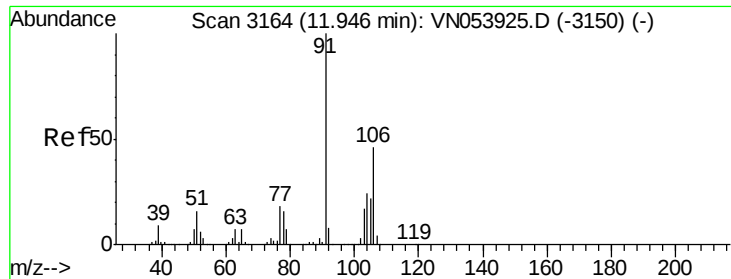
MMDadoda
2/28/2019 2:55:49 PM



#68
m/p-Xylenes
Concen: 98.962 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Tgt Ion: 106 Resp: 1172906
Ion Ratio Lower Upper
106 100
91 204.9 158.9 238.3





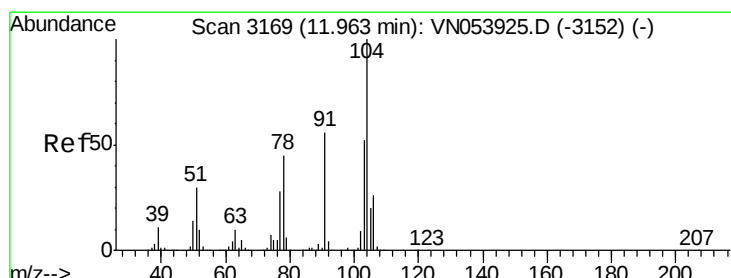
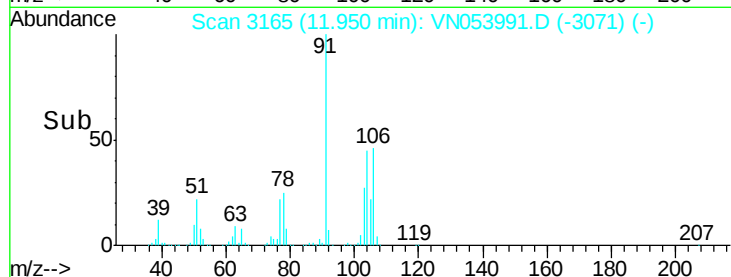
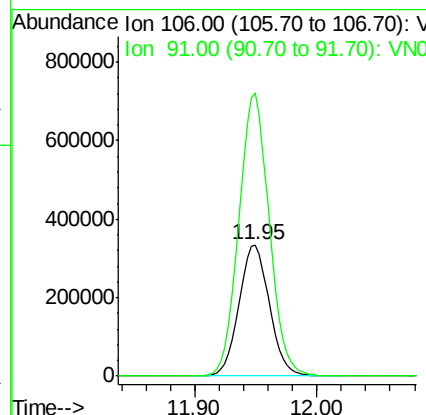
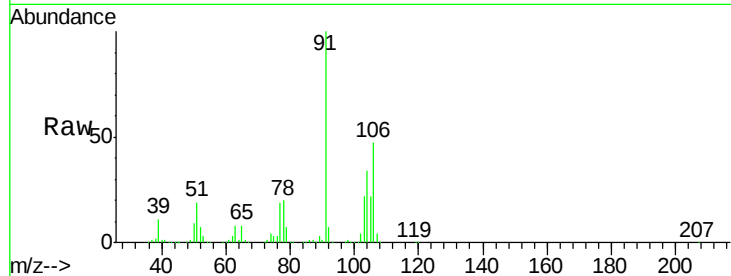
#69
o-Xylene
Concen: 49.588 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	577481		
91	91	215.1	106.0	318.0	

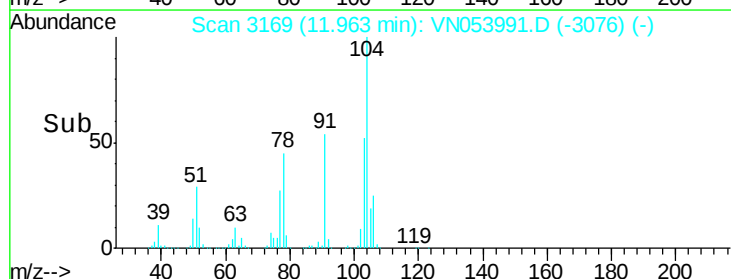
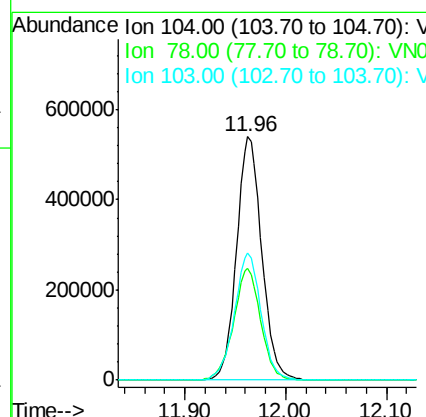
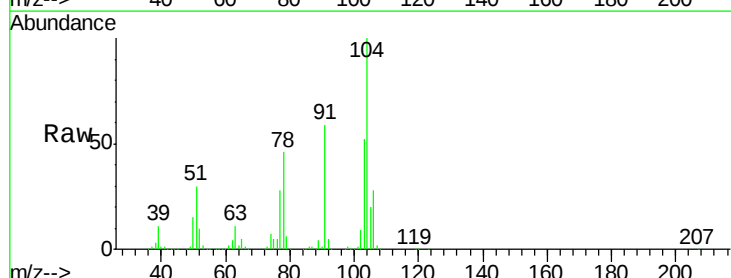
Manual Integrations
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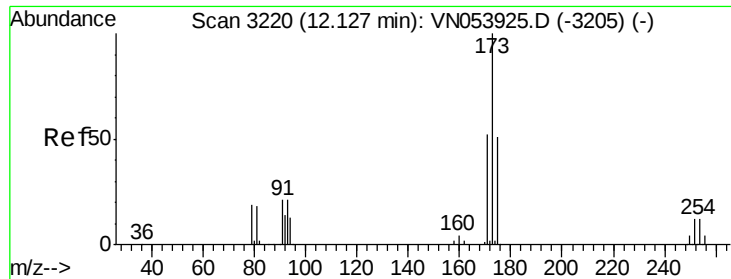
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#70
Styrene
Concen: 52.289 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	936623		
78	78	49.4	38.1	57.1	
103	103	55.5	44.6	67.0	





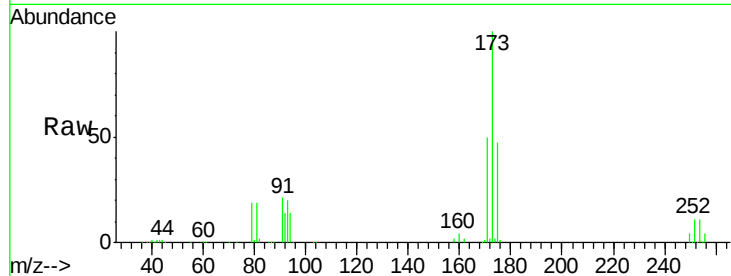
#71
Bromoform
Concen: 50.626 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

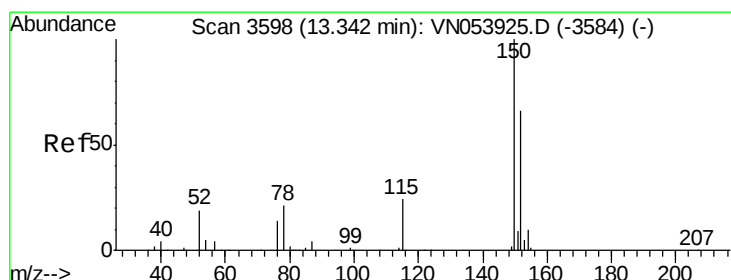
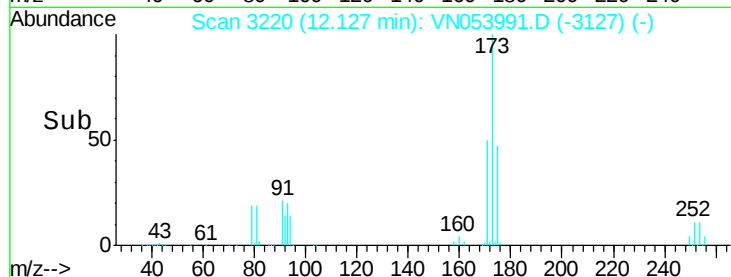
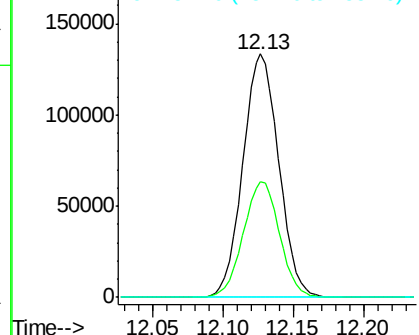
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.3	72.8
254	0.1	0.2	0.2

Manual Integrations
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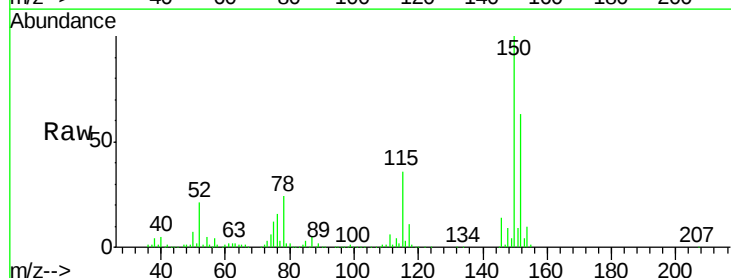


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

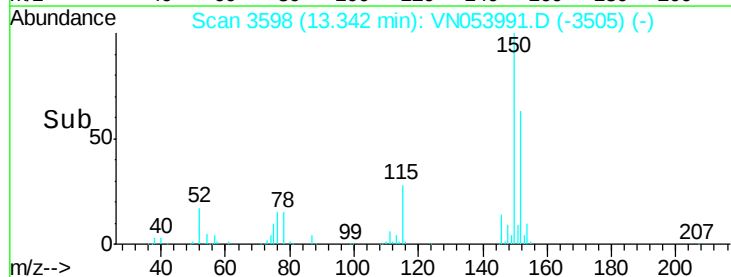
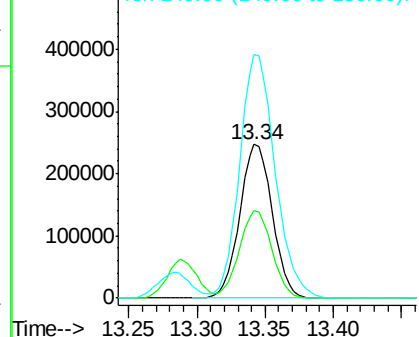


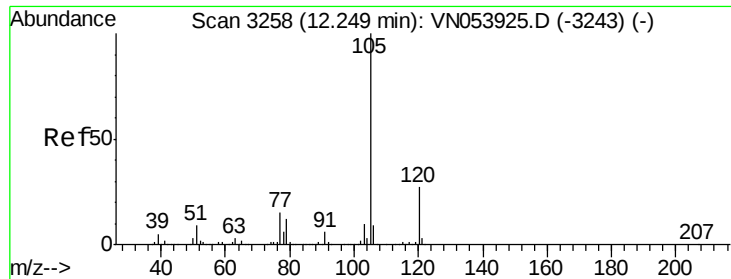
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	27.2	81.6
150	173.1	0.0	348.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





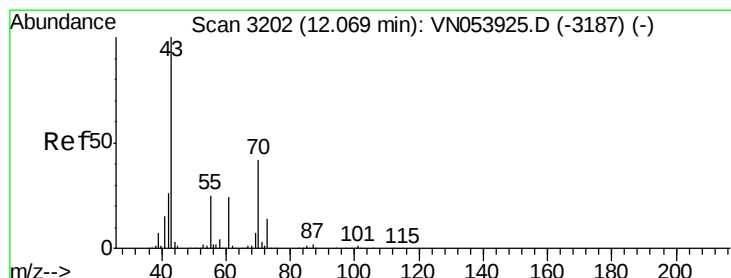
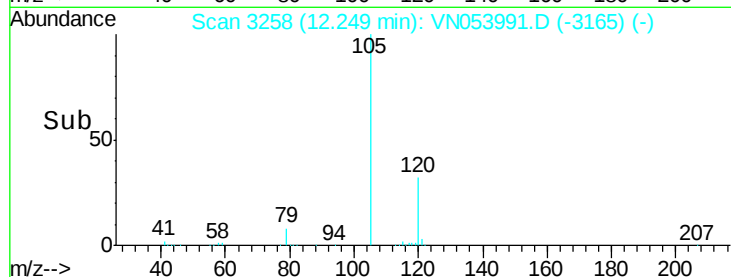
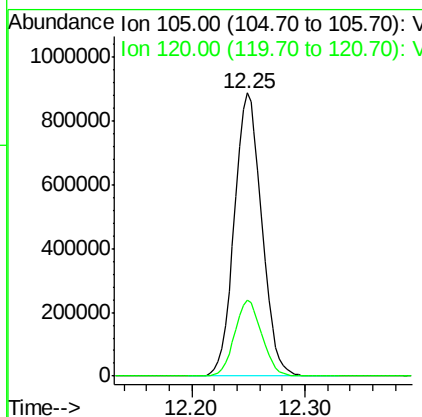
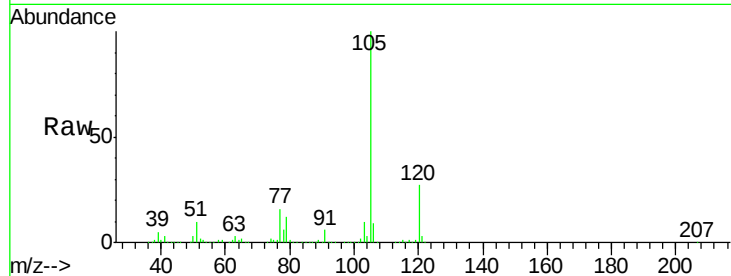
#73
Isopropylbenzene
Concen: 47.021 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 1496012
Ion Ratio Lower Upper
105 100
120 26.4 13.5 40.5

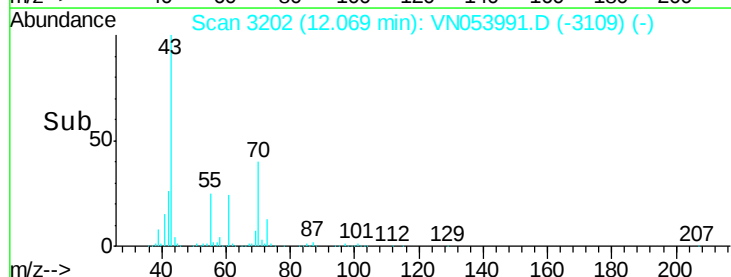
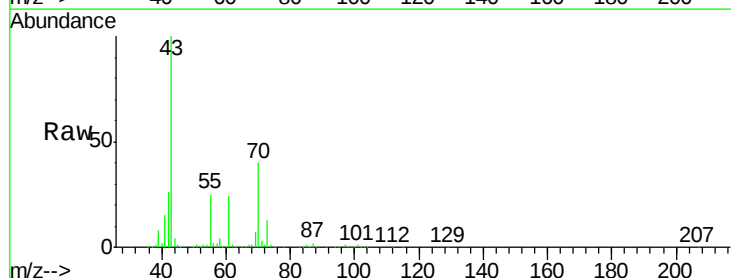
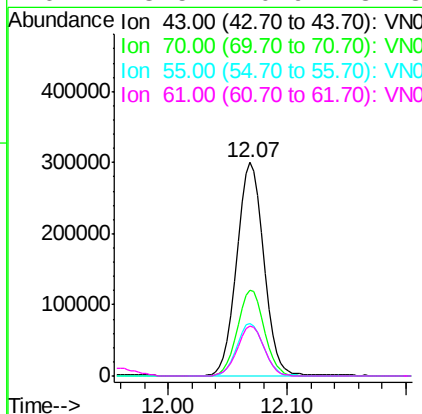
Manual Integrations
APPROVED

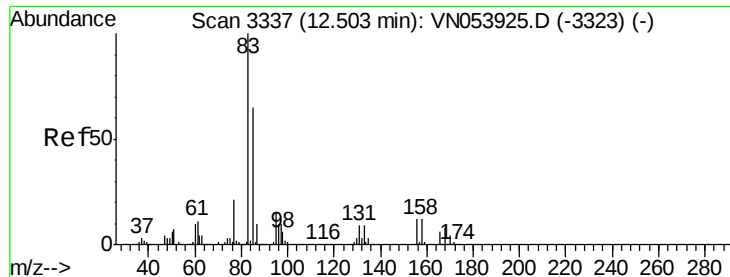
MMDadoda
2/28/2019 2:55:49 PM



#74
N-ethyl acetate
Concen: 56.544 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Tgt Ion: 43 Resp: 471507
Ion Ratio Lower Upper
43 100
70 40.4 37.4 56.2
55 24.7 21.4 32.0
61 23.5 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 49.453 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 393448

Ion Ratio Lower Upper

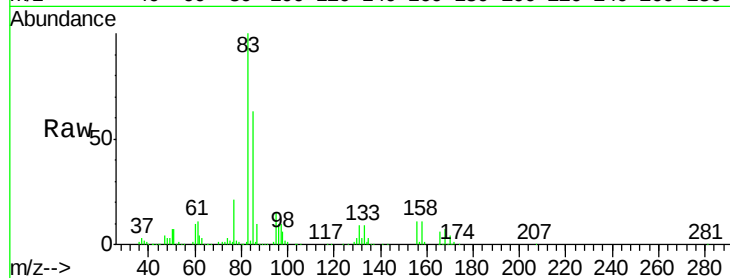
83 100

131 9.7 5.3 16.1

85 62.8 31.9 95.9

Manual Integrations
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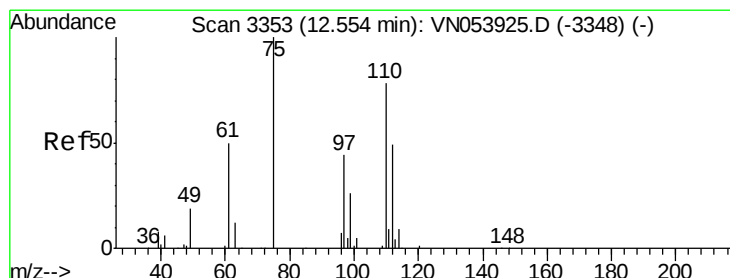
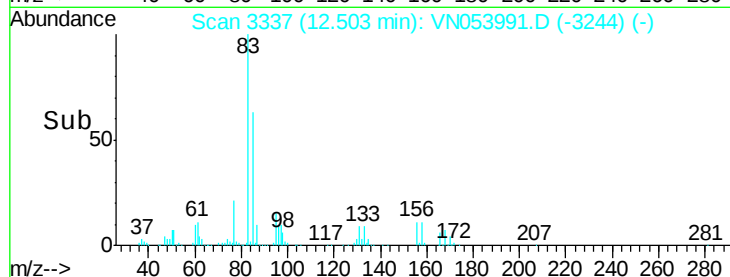


Abundance Ion 82.90 (82.60 to 83.60): VN053991.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN053991.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN053991.D (-3244) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 53.623 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053991.D

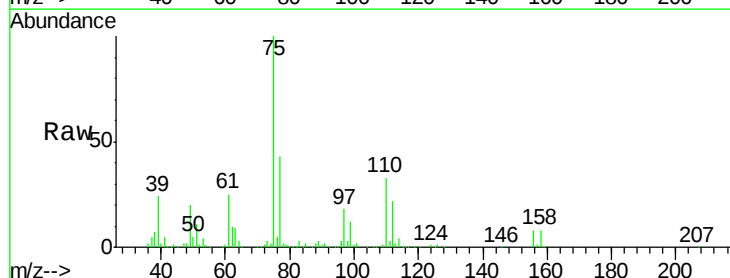
Acq: 28 Feb 2019 1:32

Tgt Ion: 75 Resp: 351579

Ion Ratio Lower Upper

75 100

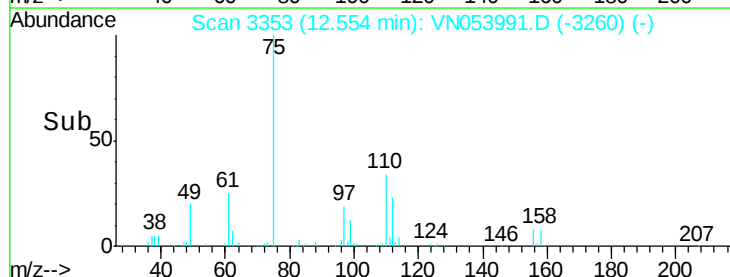
77 0.0 0.0 0.0

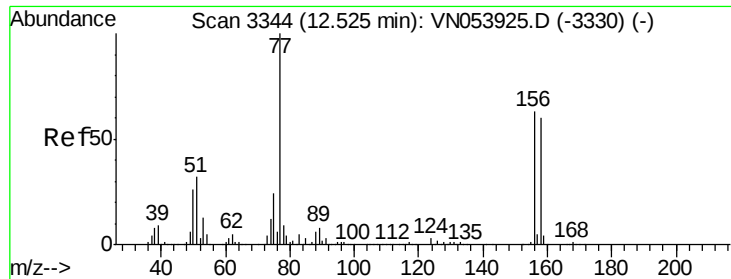


Abundance Ion 74.90 (74.60 to 75.60): VN053991.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN053991.D (-3260) (-)

Time-->





#77

Bromobenzene

Concen: 46.890 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Instrument :

MSVOA_N

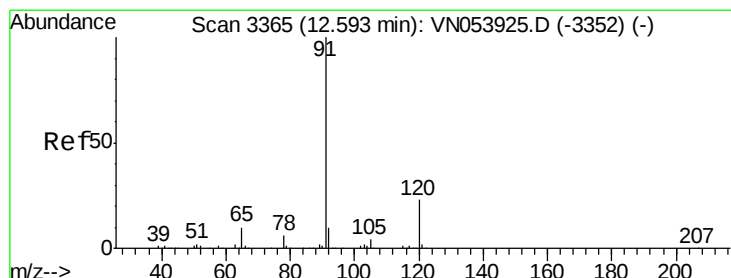
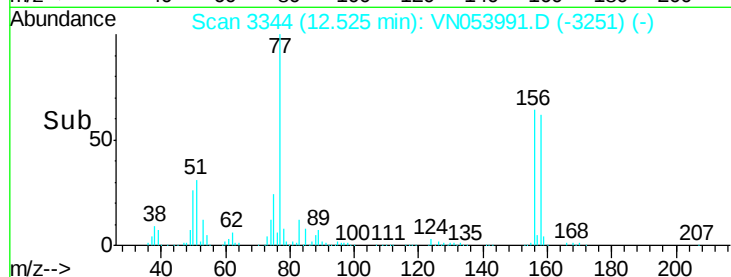
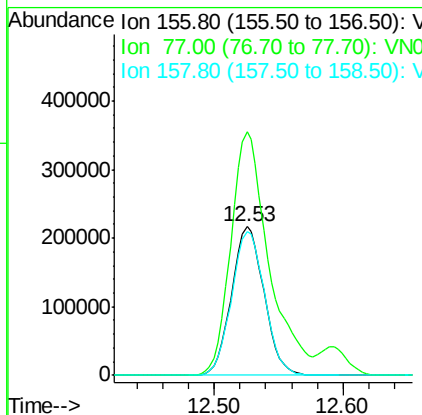
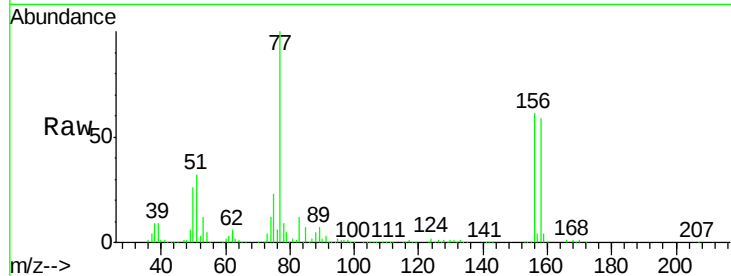
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	192.5	84.0	252.2
158	98.5	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 48.233 ug/l

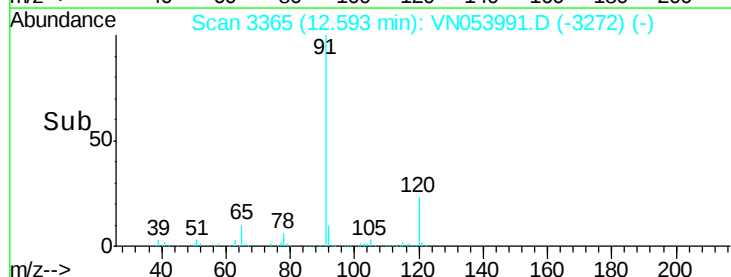
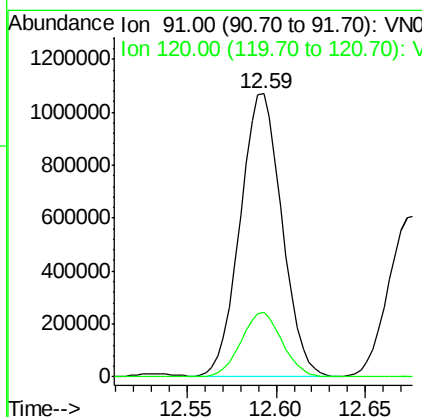
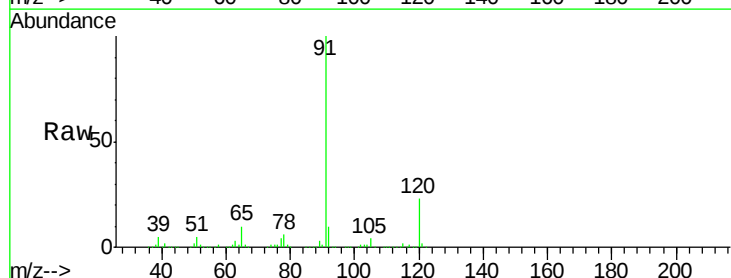
RT: 12.59 min Scan# 3365

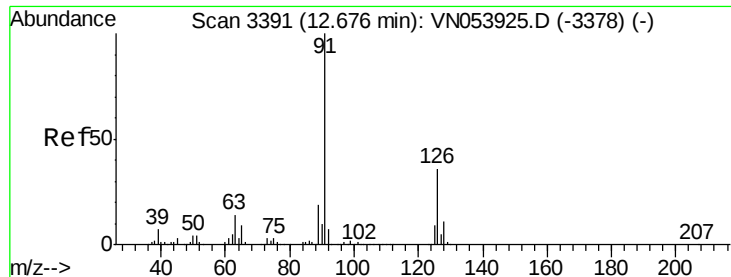
Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.9	35.9





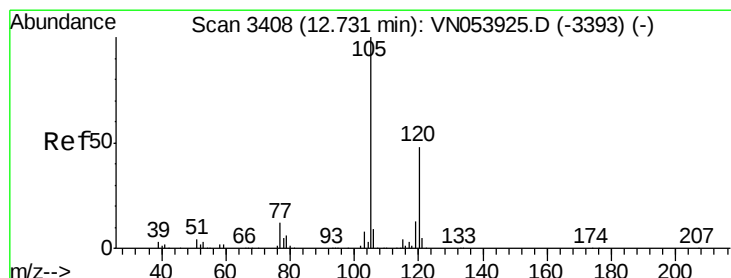
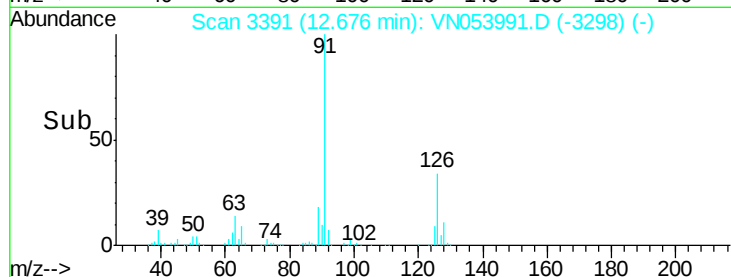
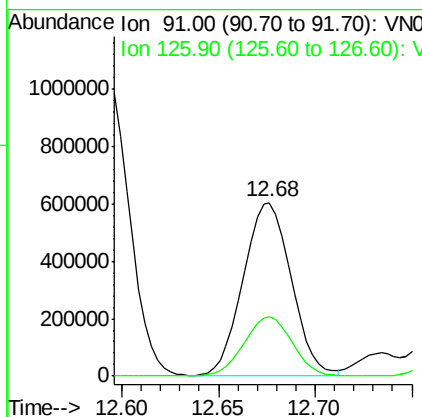
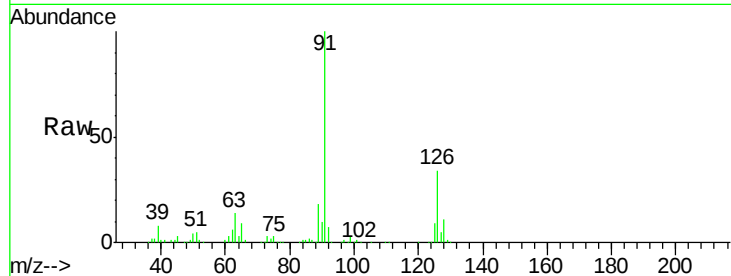
#79
 2-Chlorotoluene
 Concen: 48.094 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN053991.D
 Acq: 28 Feb 2019 1:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 1045356
 Ion Ratio Lower Upper
 91 100
 126 34.3 18.1 54.4

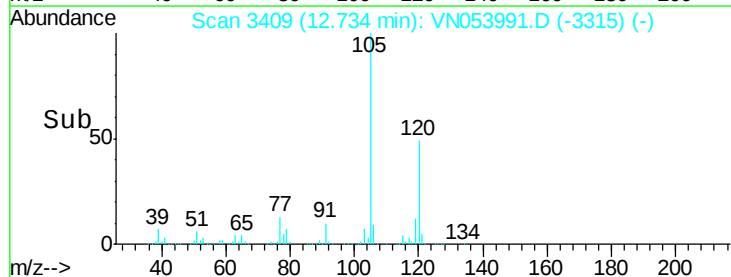
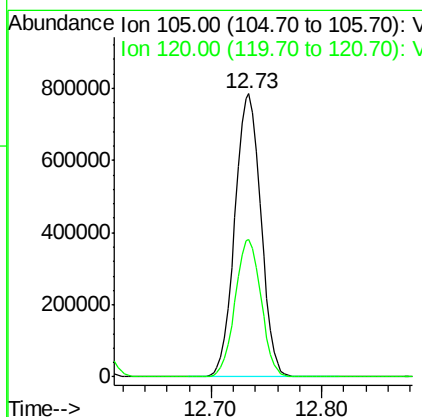
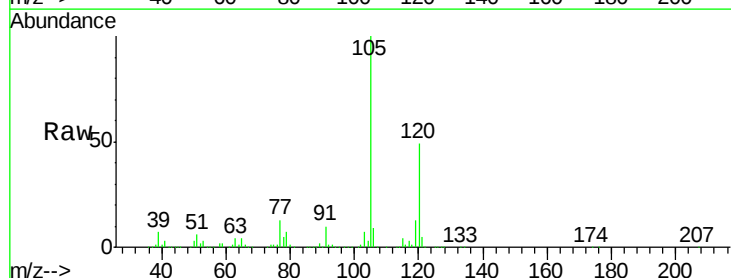
Manual Integrations
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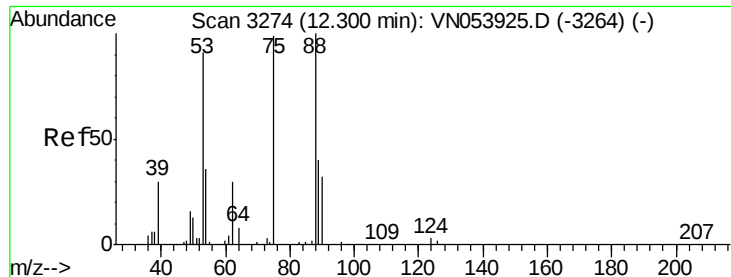
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 2/28/2019 2:55:49 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 49.232 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN053991.D
 Acq: 28 Feb 2019 1:32

Tgt Ion: 105 Resp: 1282316
 Ion Ratio Lower Upper
 105 100
 120 48.4 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 49.960 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Instrument :

MSVOA_N

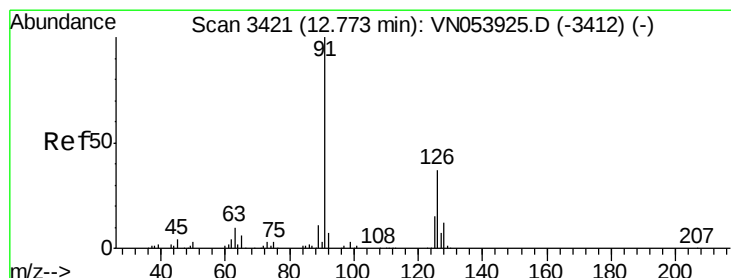
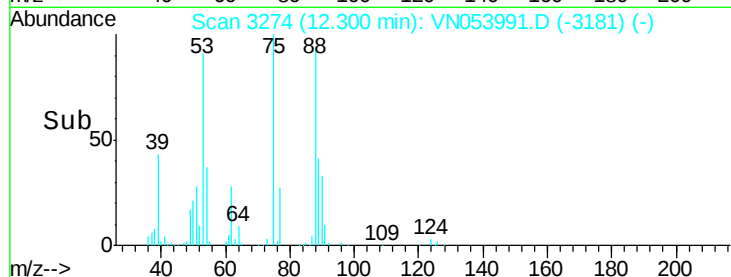
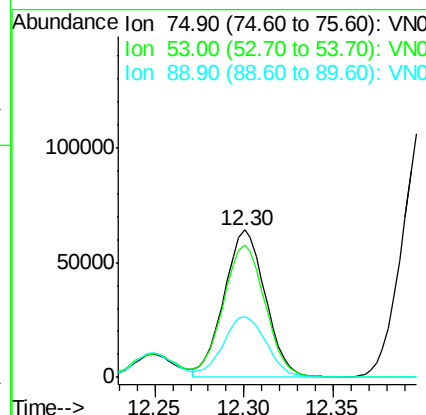
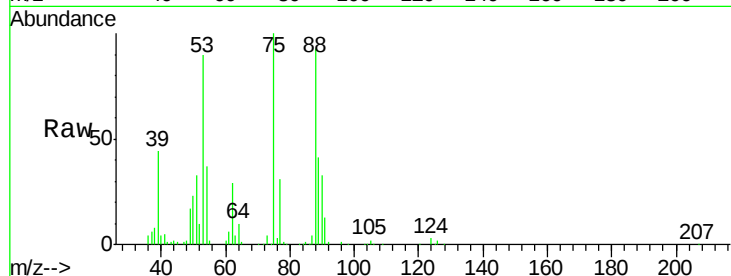
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	103638
Ion Ratio	Lower	Upper	
75	100		
53	91.1	68.6	102.8
89	43.4	35.3	52.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.900 ug/l

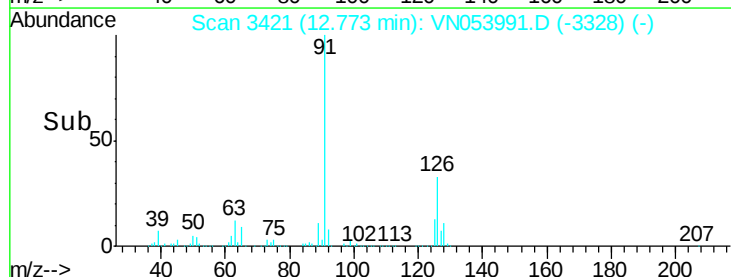
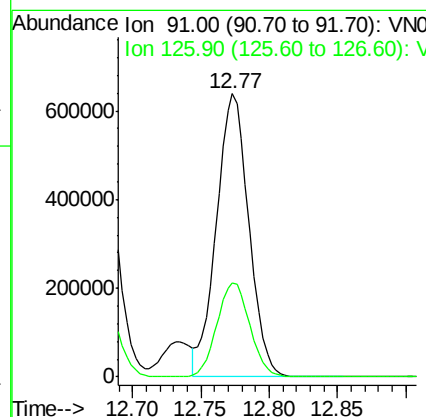
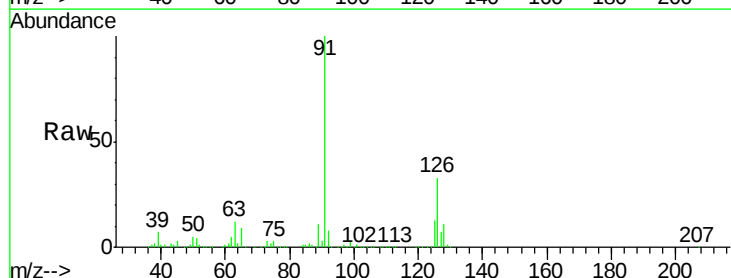
RT: 12.77 min Scan# 3421

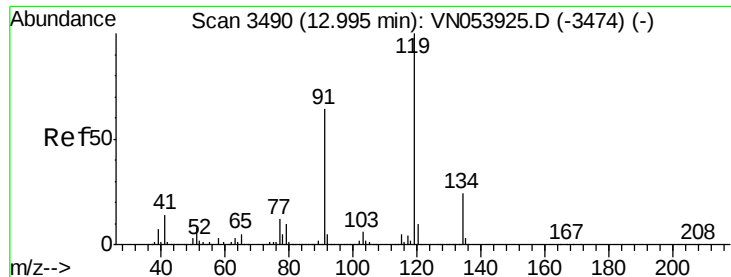
Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Tgt Ion:	91	Resp:	1050476
Ion Ratio	Lower	Upper	
91	100		
126	33.8	18.0	54.0





#83

tert-Butylbenzene

Concen: 47.867 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:119 Resp: 1102686

Ion Ratio Lower Upper

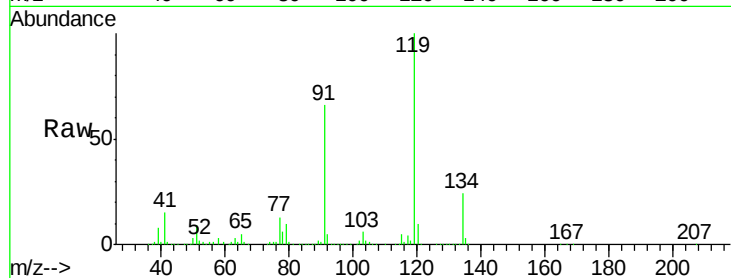
119 100

91 65.5 30.6 91.8

134 25.8 13.0 39.0

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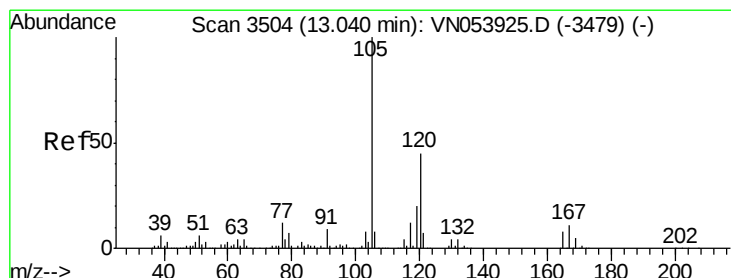
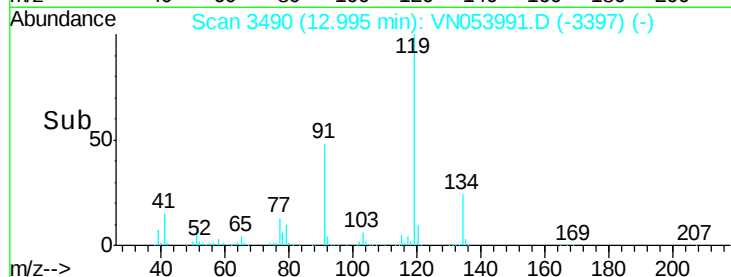
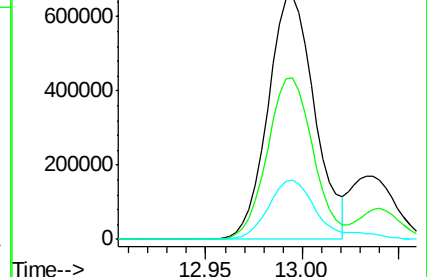
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 49.808 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053991.D

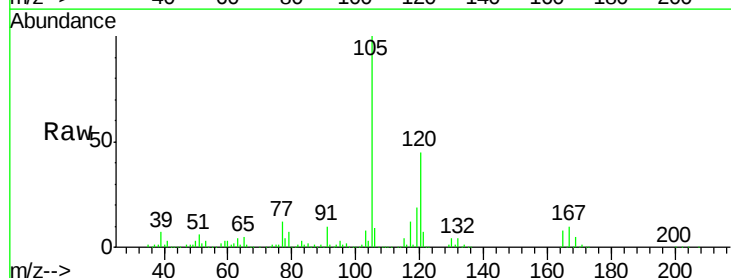
Acq: 28 Feb 2019 1:32

Tgt Ion:105 Resp: 1295167

Ion Ratio Lower Upper

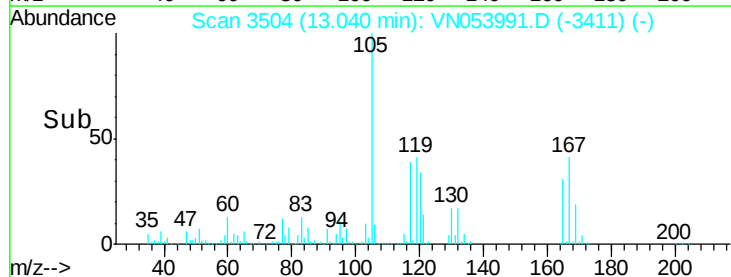
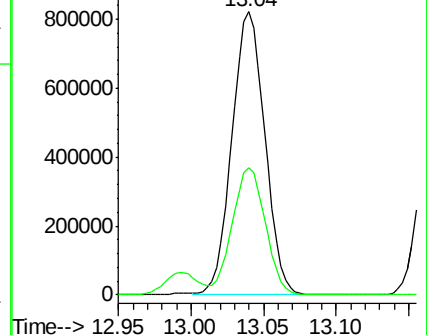
105 100

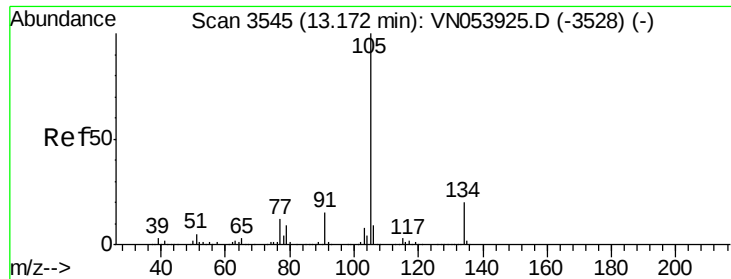
120 45.5 23.2 69.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 48.187 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1516148

Ion Ratio Lower Upper

105 100

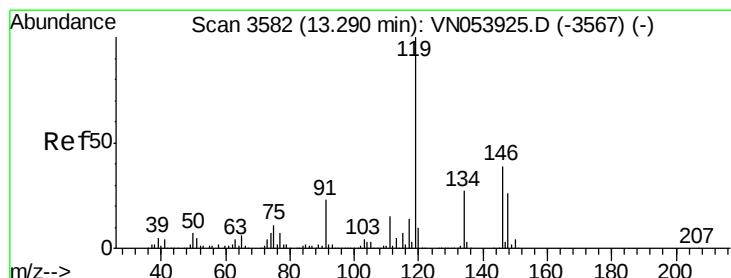
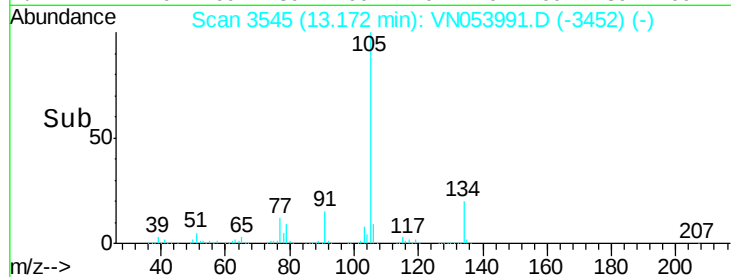
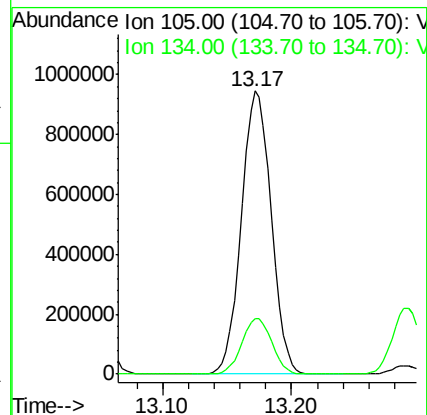
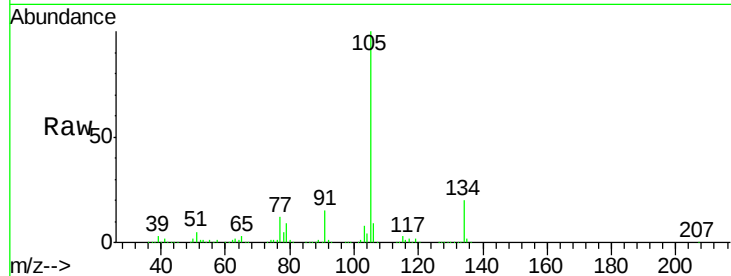
134 19.9 10.4 31.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 48.496 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

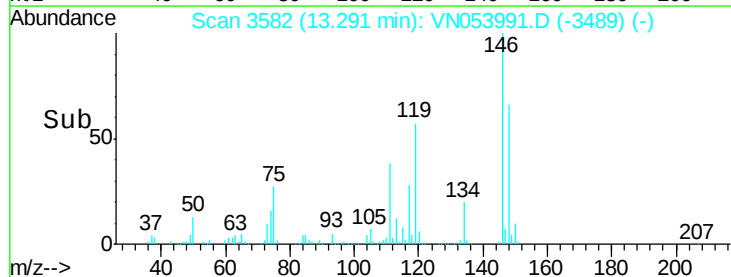
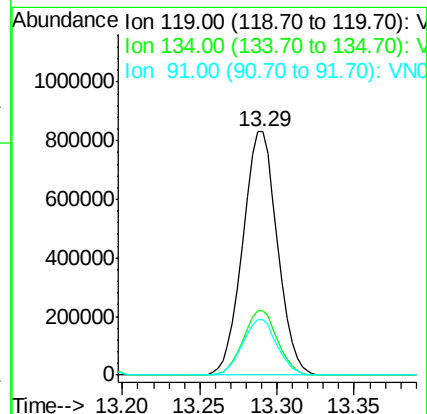
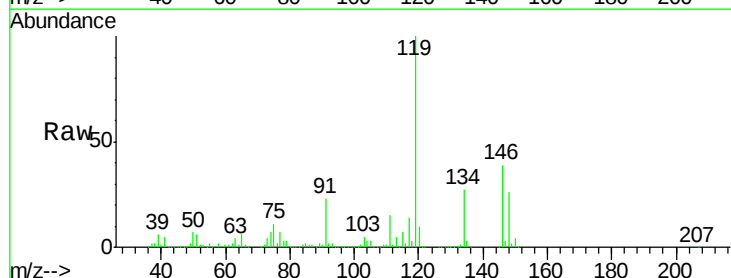
Tgt Ion:119 Resp: 1289924

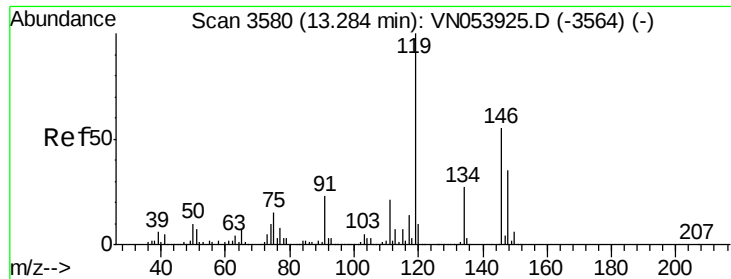
Ion Ratio Lower Upper

119 100

134 26.5 13.5 40.4

91 22.8 10.9 32.6





#87

1,3-Dichlorobenzene

Concen: 48.079 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Instrument :

MSVOA_N

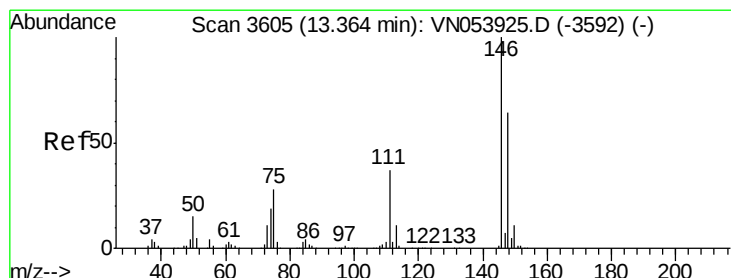
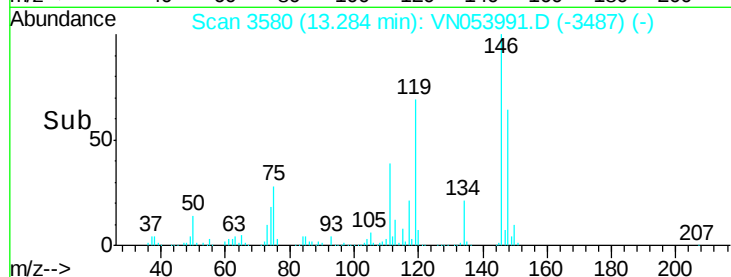
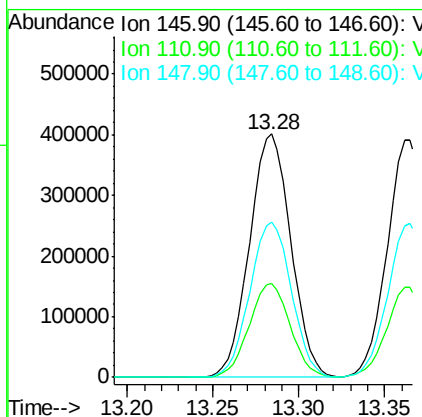
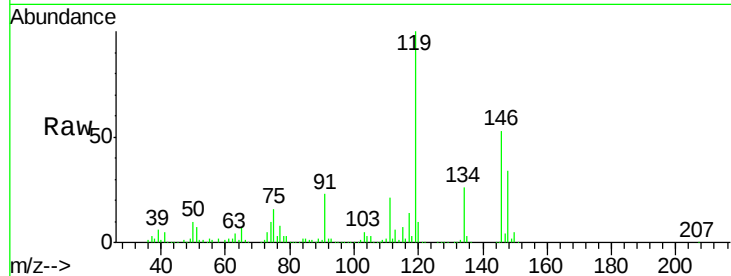
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.7	56.1
148	64.1	32.0	96.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 47.670 ug/l

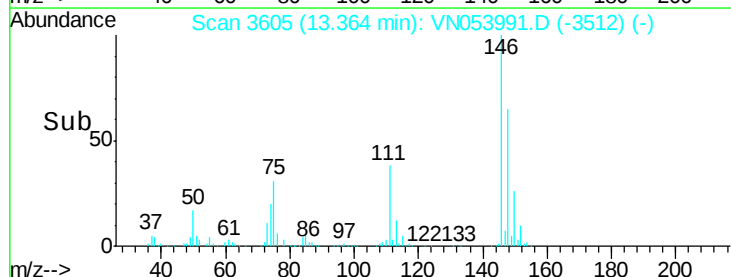
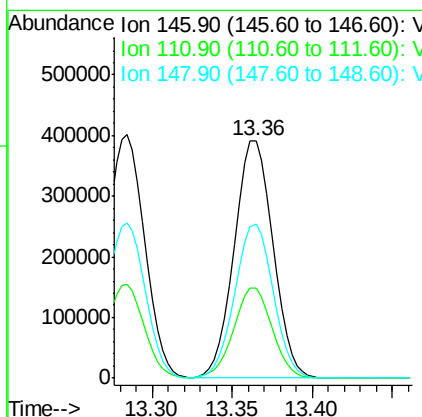
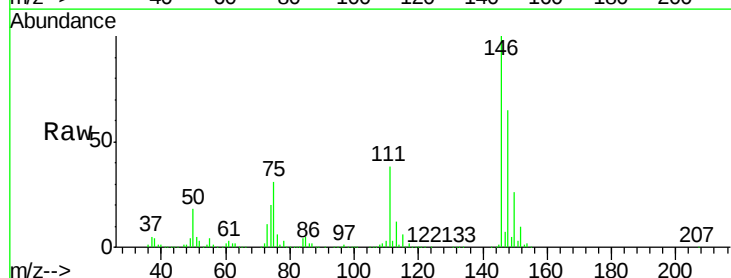
RT: 13.36 min Scan# 3605

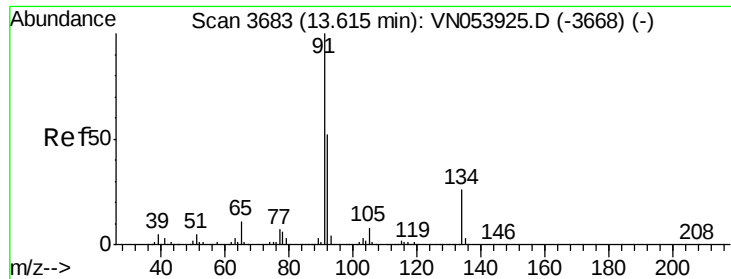
Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.0	54.0
148	64.5	32.1	96.5





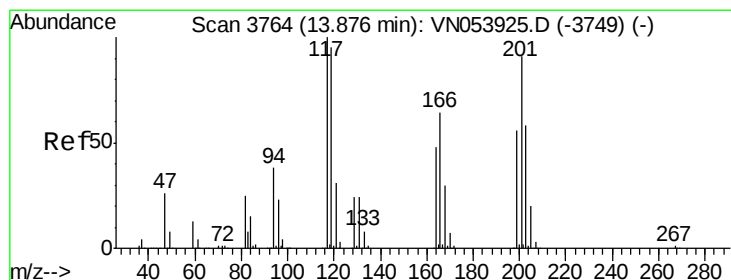
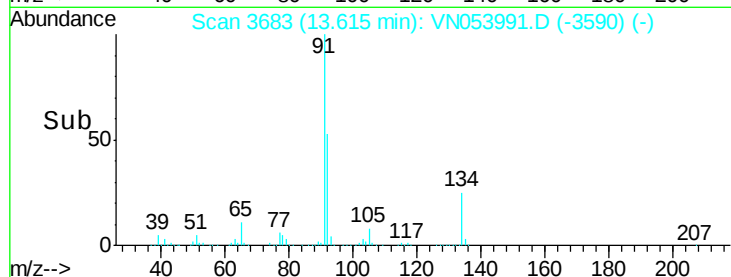
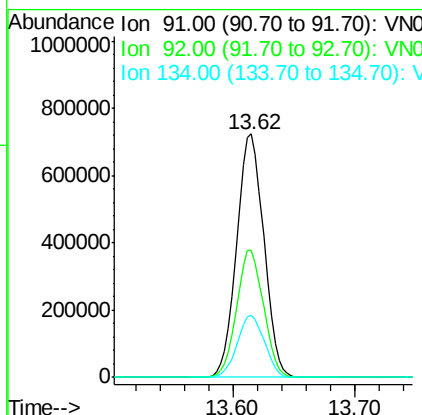
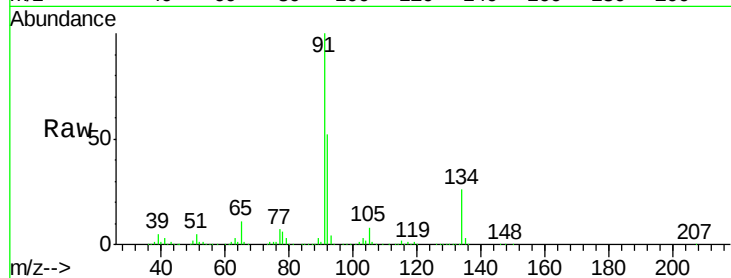
#89
n-Butylbenzene
Concen: 49.744 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1115079
Ion Ratio Lower Upper
91 100
92 51.8 26.1 78.2
134 25.6 13.6 40.8

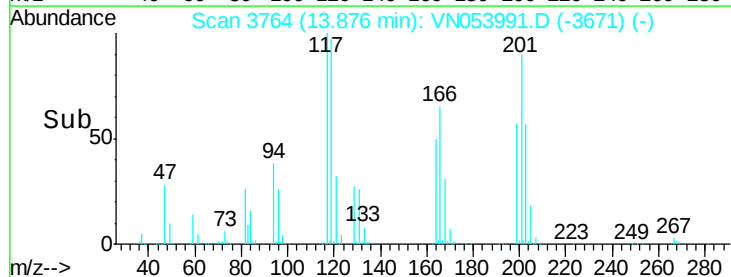
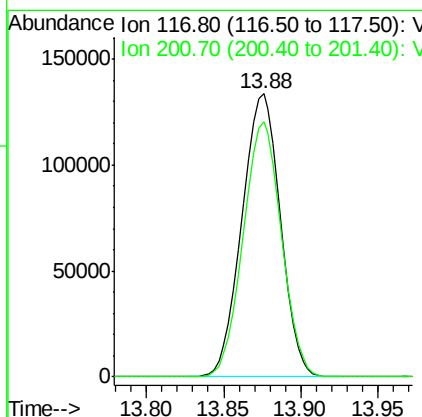
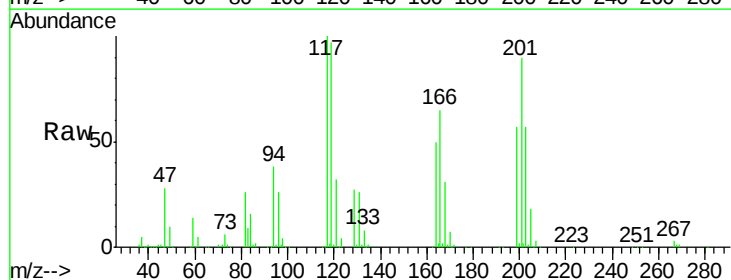
Manual Integrations
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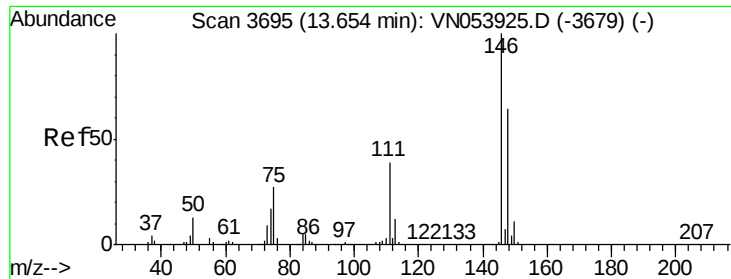
MMDadoda
2/28/2019 2:55:49 PM



#90
Hexachloroethane
Concen: 44.943 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053991.D
Acq: 28 Feb 2019 1:32

Tgt Ion: 117 Resp: 231652
Ion Ratio Lower Upper
117 100
201 89.3 48.0 144.2





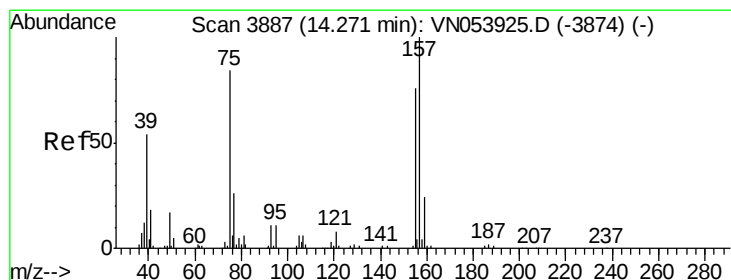
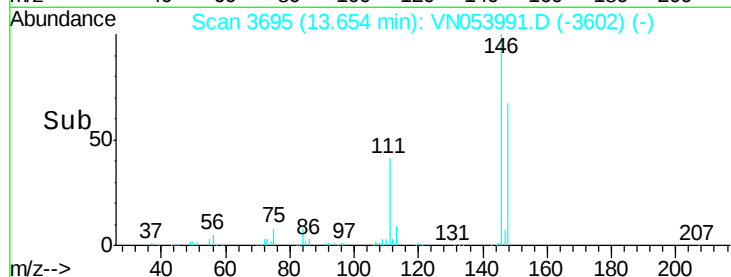
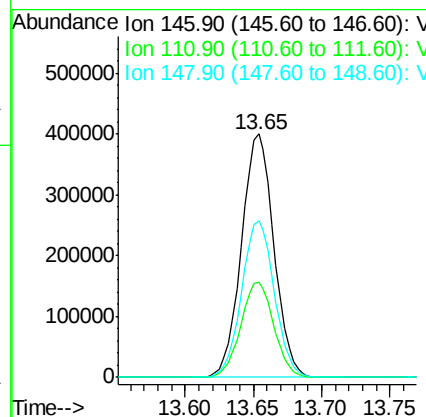
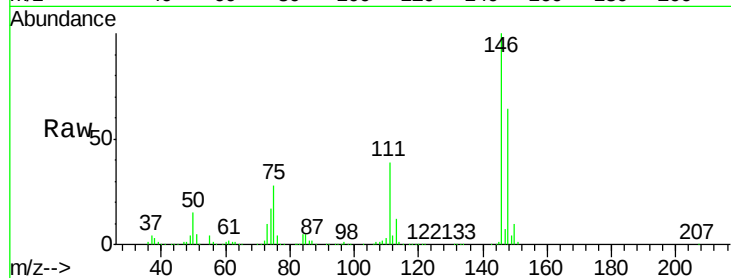
#91
 1,2-Dichlorobenzene
 Concen: 48.665 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053991.D
 Acq: 28 Feb 2019 1:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.1	57.5
148	64.8	32.1	96.5

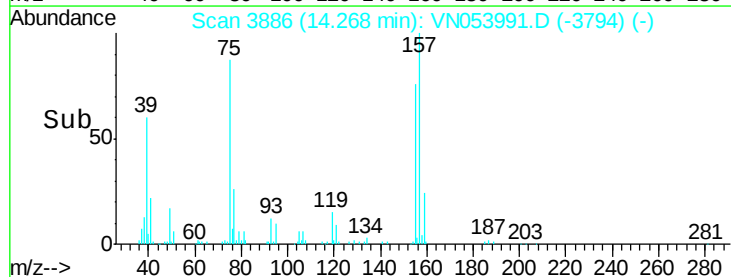
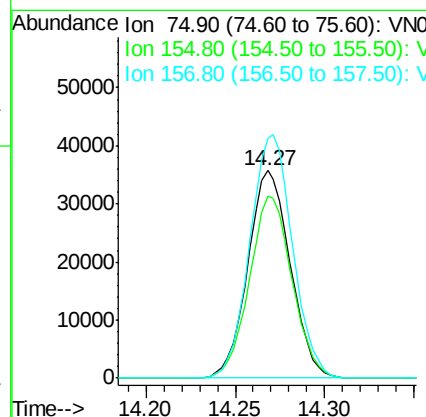
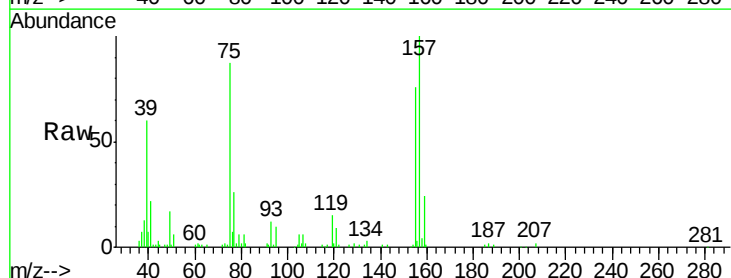
Manual Integrations
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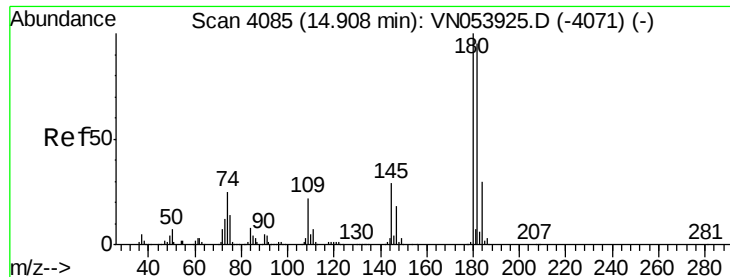
MMDadoda
 2/28/2019 2:55:49 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.615 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053991.D
 Acq: 28 Feb 2019 1:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.3	49.5	148.5
157	118.1	64.8	194.6





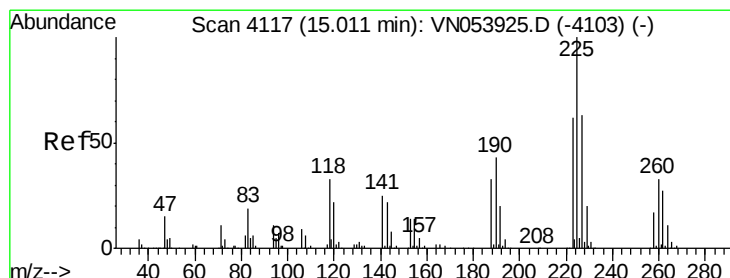
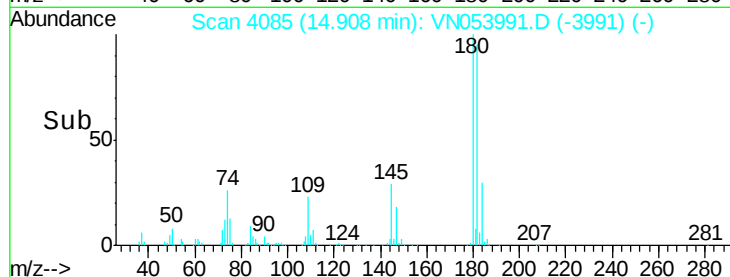
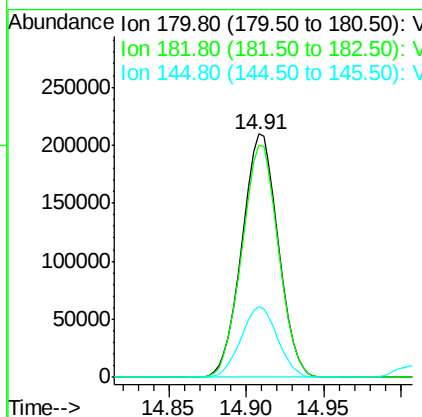
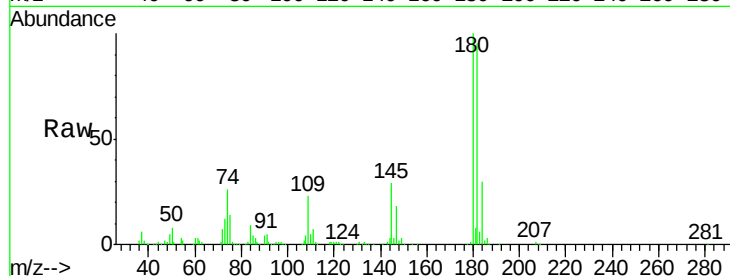
#93
 1,2,4-Trichlorobenzene
 Concen: 45.841 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053991.D
 Acq: 28 Feb 2019 1:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	342919		
182	96.0	48.6	145.9	
145	29.2	13.8	41.3	

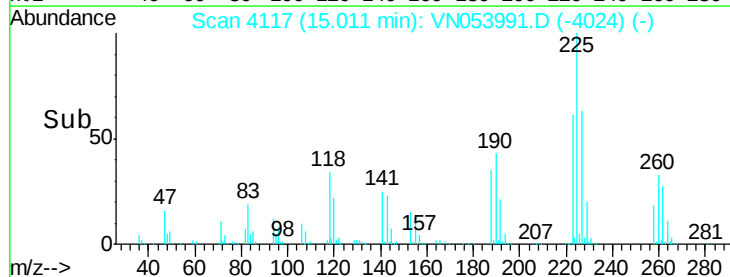
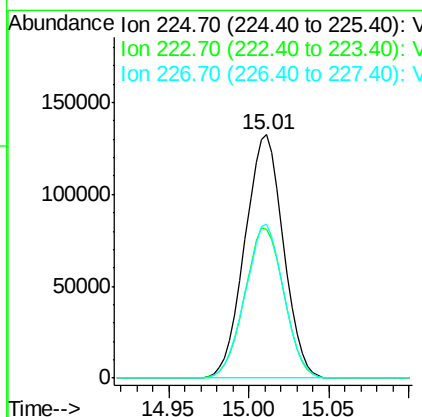
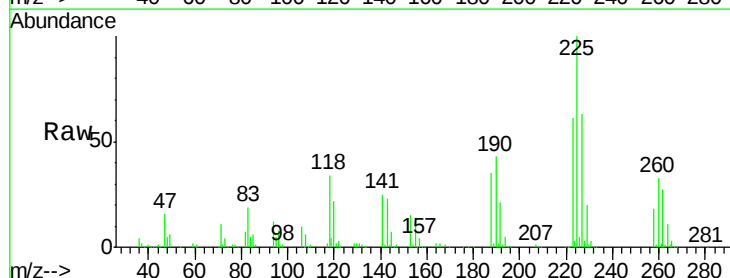
Manual Integrations
 APPROVED

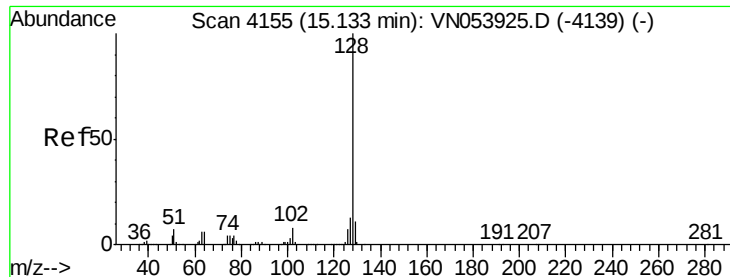
MMDadoda
 2/28/2019 2:55:49 PM



#94
 Hexachlorobutadiene
 Concen: 44.732 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053991.D
 Acq: 28 Feb 2019 1:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	218568		
223	62.9	30.9	92.5	
227	63.4	32.5	97.4	





#95

Naphthalene

Concen: 46.570 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Instrument :

MSVOA_N

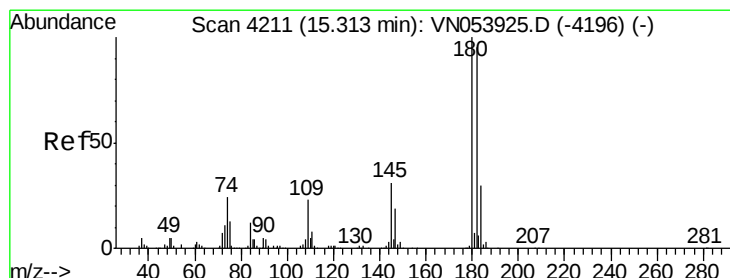
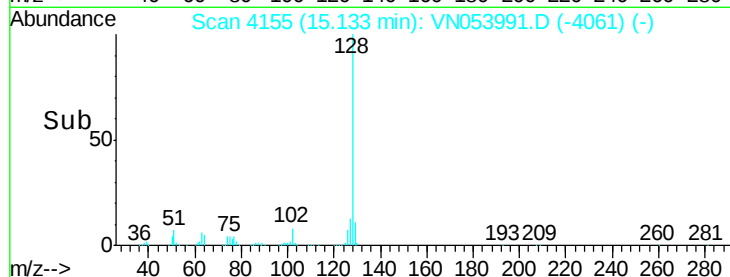
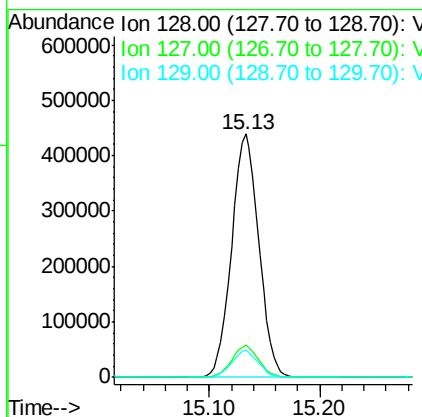
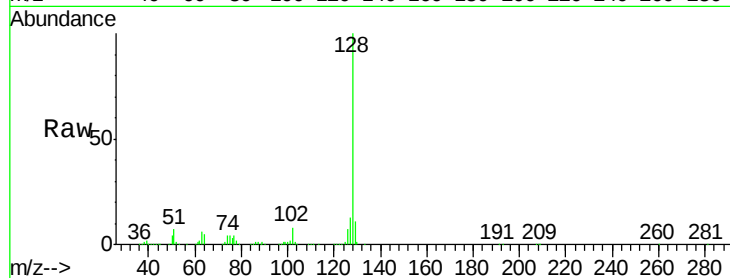
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	749828
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

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2/28/2019 2:55:49 PM



#96

1,2,3-Trichlorobenzene

Concen: 47.651 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053991.D

Acq: 28 Feb 2019 1:32

Tgt Ion:	180	Resp:	342820
Ion Ratio	Lower	Upper	
180	100		
182	94.4	47.3	141.8
145	30.3	14.4	43.0

