

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012819\
 Data File : VN053533.D
 Acq On : 28 Jan 2019 9:21
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/29/2019 9:52:19 AM

Quant Time: Jan 29 06:31:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	763828	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1116490	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	999112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	505583	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	379321	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
35) Dibromofluoromethane	7.59	113	364426	57.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.38%	
50) Toluene-d8	10.09	98	1375567	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
62) 4-Bromofluorobenzene	12.40	95	487081	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	287203	46.767	ug/l	98
3) Chloromethane	2.06	50	417394	47.537	ug/l	99
4) Vinyl Chloride	2.19	62	395674	46.749	ug/l	100
5) Bromomethane	2.57	94	238655	41.095	ug/l	100
6) Chloroethane	2.71	64	242041	47.300	ug/l	99
7) Trichlorofluoromethane	3.02	101	553028	49.954	ug/l	100
8) Diethyl Ether	3.41	74	214155	51.504	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	363129	51.792	ug/l	99
10) Methyl Iodide	3.96	142	502831	46.931	ug/l	100
11) Tert butyl alcohol	4.77	59	121700	329.434	ug/l	100
12) 1,1-Dichloroethene	3.74	96	336000	49.408	ug/l	99
13) Acrolein	3.61	56	166718	232.979	ug/l	97
14) Allyl chloride	4.33	41	540961	48.973	ug/l	95
15) Acrylonitrile	4.99	53	661391	272.043	ug/l	99
16) Acetone	3.81	43	386611	218.264	ug/l	98
17) Carbon Disulfide	4.06	76	964331	46.892	ug/l	100
18) Methyl Acetate	4.32	43	329005	55.130	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	957047	52.966	ug/l	100
20) Methylene Chloride	4.55	84	398549	49.283	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	369045	50.760	ug/l	98
22) Diisopropyl ether	5.95	45	1167203	50.616	ug/l	97
23) Vinyl Acetate	5.90	43	3774482	266.273	ug/l	100
24) 1,1-Dichloroethane	5.85	63	703605	51.614	ug/l	100
25) 2-Butanone	6.83	43	691212	253.229	ug/l	100
26) 2,2-Dichloropropane	6.82	77	547691	53.212	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	436371	52.487	ug/l	99
28) Bromochloromethane	7.19	49	302549	50.378	ug/l	99
29) Tetrahydrofuran	7.21	42	480107	270.183	ug/l	99
30) Chloroform	7.37	83	693921	52.245	ug/l	100
31) Cyclohexane	7.65	56	633101	47.711	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	587387	52.134	ug/l	100
36) 1,1-Dichloropropene	7.79	75	537863	52.898	ug/l	99
37) Ethyl Acetate	6.93	43	325169	55.585	ug/l	100
38) Carbon Tetrachloride	7.77	117	525083	54.546	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	656985	52.276	ug/l	99
40) Benzene	8.04	78	1621139	52.466	ug/l	100
41) Methacrylonitrile	7.17	41	181553	52.199	ug/l	94
42) 1,2-Dichloroethane	8.12	62	479231	53.238	ug/l	100
43) Isopropyl Acetate	8.16	43	572172	54.395	ug/l	99
44) Trichloroethene	8.84	130	455027	53.103	ug/l	99
45) 1,2-Dichloropropane	9.12	63	428808	52.395	ug/l	99
46) Dibromomethane	9.21	93	250462	53.266	ug/l	98
47) Bromodichloromethane	9.40	83	543261	54.939	ug/l	99
48) Methyl methacrylate	9.20	41	278418	51.263	ug/l	94
49) 1,4-Dioxane	9.20	88	82364	1552.806	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1569283	273.289	ug/l	99
52) Toluene	10.16	92	1003518	52.314	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	559998	55.872	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	653577	55.626	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	364633	55.135	ug/l	99
56) Ethyl methacrylate	10.43	69	460621	49.115	ug/l	100
57) 1,3-Dichloropropane	10.71	76	613049	53.586	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1271300	274.775	ug/l	100
59) 2-Hexanone	10.75	43	1068627	265.104	ug/l	100
60) Dibromochloromethane	10.90	129	417052	55.599	ug/l	100
61) 1,2-Dibromoethane	11.01	107	357708	53.480	ug/l	99
64) Tetrachloroethene	10.63	164	437714	46.488	ug/l	99
65) Chlorobenzene	11.43	112	1129415	53.406	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	397621	54.046	ug/l	100
67) Ethyl Benzene	11.51	91	1908206	52.945	ug/l	100
68) m/p-Xylenes	11.62	106	1473130	108.258	ug/l	100
69) o-Xylene	11.95	106	714199	54.015	ug/l	99
70) Styrene	11.96	104	1190372	55.471	ug/l	99
71) Bromoform	12.13	173	285807	56.429	ug/l #	99
73) Isopropylbenzene	12.25	105	1899169	51.295	ug/l	99
74) N-amyl acetate	12.07	43	492227	49.872	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	439948	56.658	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	332027m	49.834	ug/l	
77) Bromobenzene	12.53	156	501395	51.394	ug/l	99
78) n-propylbenzene	12.59	91	2233807	52.561	ug/l	100
79) 2-Chlorotoluene	12.68	91	1293858	51.362	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1589700	52.772	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	129399	49.194	ug/l	95
82) 4-Chlorotoluene	12.77	91	1349867	52.545	ug/l	99
83) tert-Butylbenzene	12.99	119	1394683	52.420	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1630826	53.692	ug/l	99
85) sec-Butylbenzene	13.17	105	1940862	53.191	ug/l	99
86) p-Isopropyltoluene	13.29	119	1732272	54.676	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	914951	53.315	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	912757	53.024	ug/l	99
89) n-Butylbenzene	13.62	91	1546832	57.276	ug/l	100
90) Hexachloroethane	13.88	117	264316	53.194	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	868066	54.982	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	65113	66.133	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	558280	78.474	ug/l	100
94) Hexachlorobutadiene	15.01	225	329027	66.806	ug/l	100
95) Naphthalene	15.13	128	1175812	92.564	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	514804	97.014	ug/l	99

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

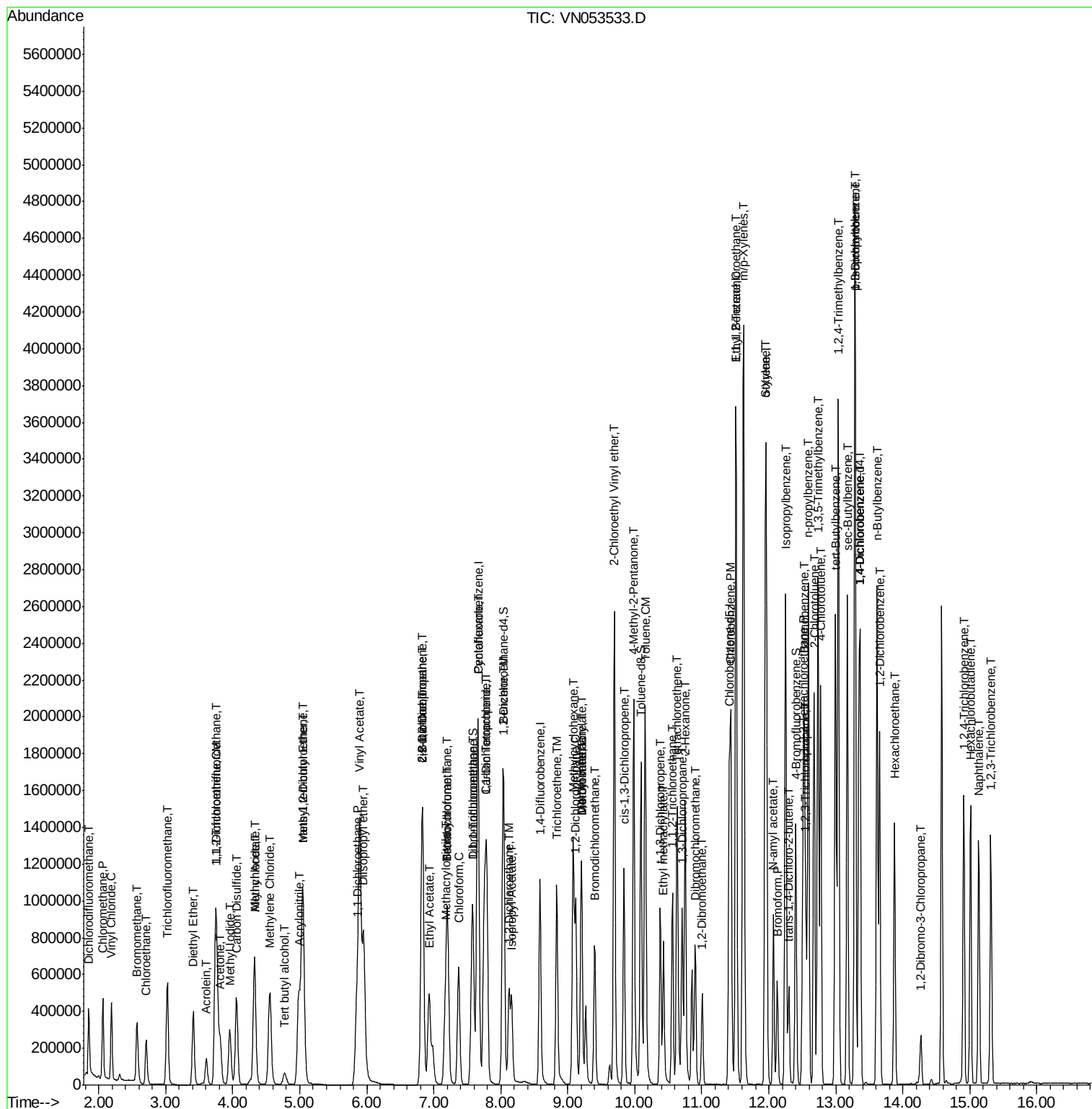
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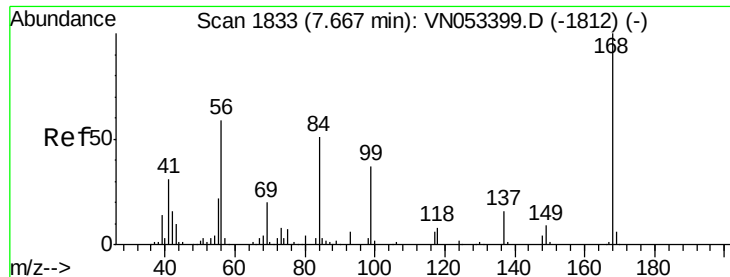
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 763828

Ion Ratio Lower Upper

168 100

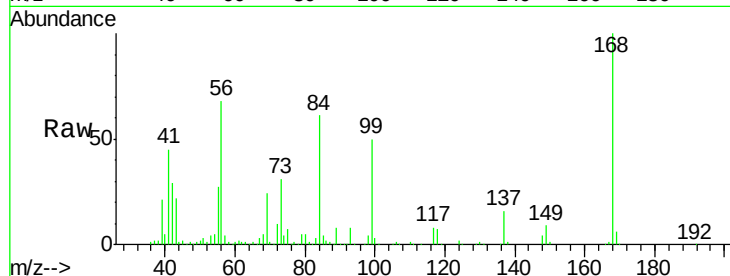
99 49.3 39.1 58.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

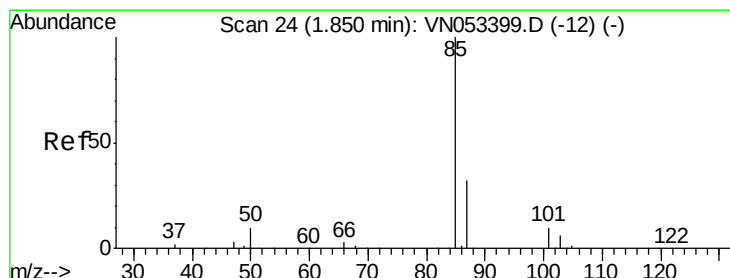
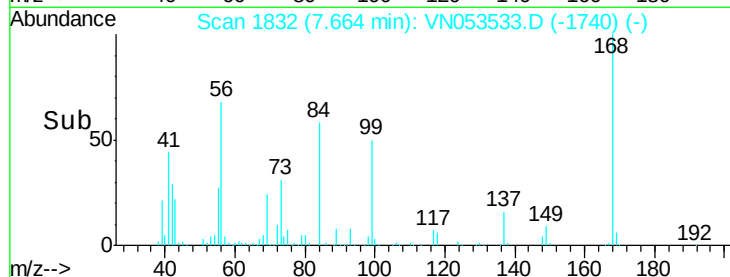
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#2

Dichlorodifluoromethane

Concen: 46.767 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053533.D

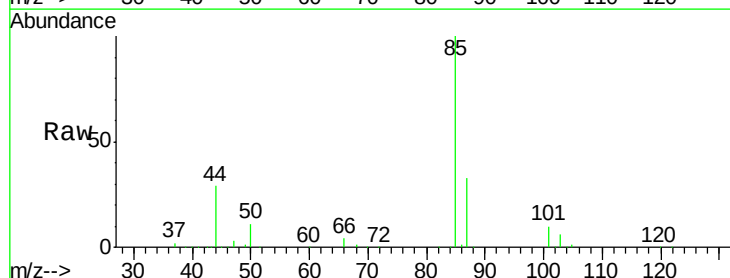
Acq: 28 Jan 2019 9:21

Tgt Ion: 85 Resp: 287203

Ion Ratio Lower Upper

85 100

87 33.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

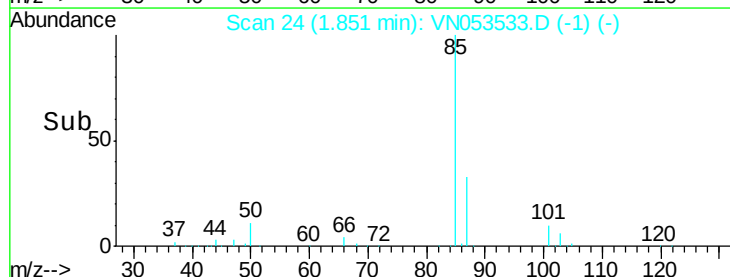
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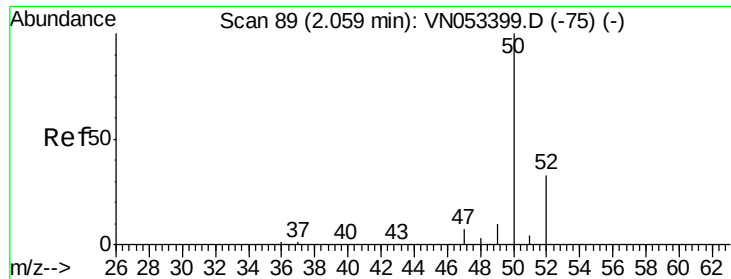
100000

50000

0

Time--> 1.80 1.90 2.00





#3

Chloromethane

Concen: 47.537 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 417394

Ion Ratio Lower Upper

50 100

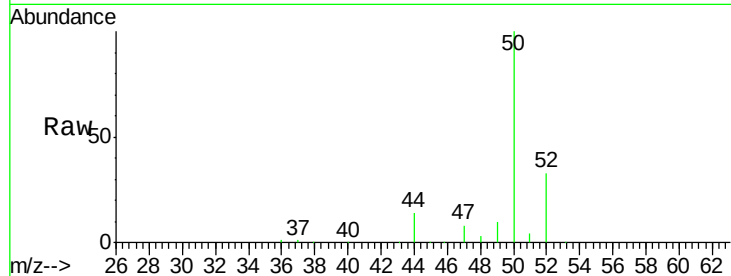
52 32.7 26.6 40.0

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

250000

200000

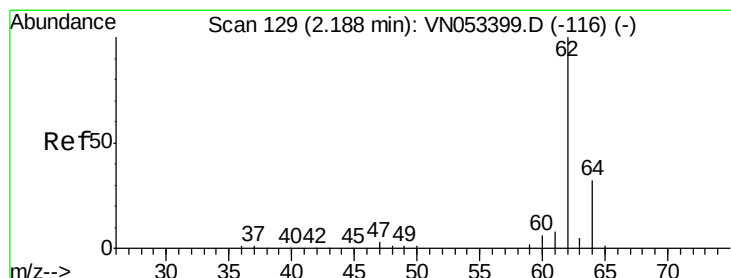
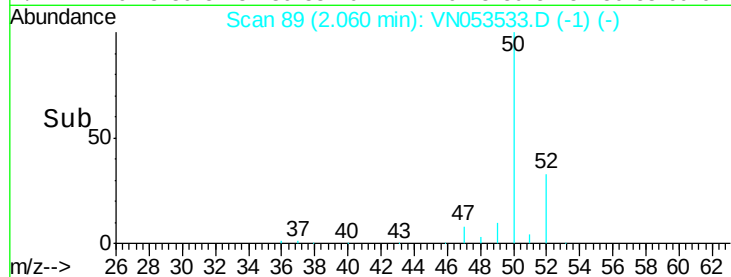
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 46.749 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053533.D

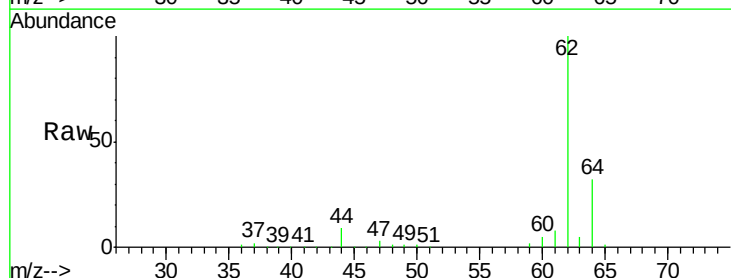
Acq: 28 Jan 2019 9:21

Tgt Ion: 62 Resp: 395674

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.19

300000

250000

200000

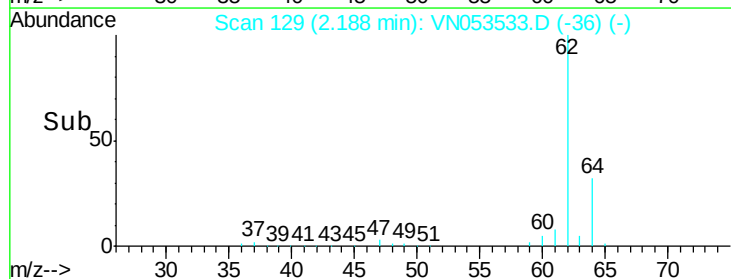
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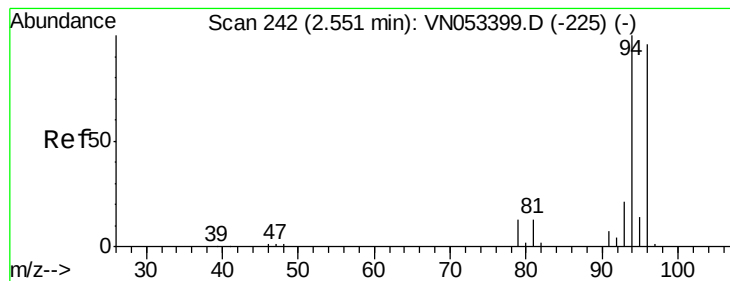
100000

50000

0

Time-->





#5

Bromomethane

Concen: 41.095 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.02 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Tot Ion: 94 Resp: 238655

Ion Ratio Lower Upper

94 100

96 95.8 76.8 115.2

Instrument :

MSVOA_N

ClientSampleId :

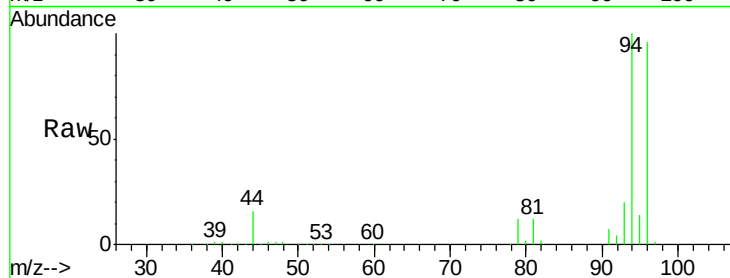
VSTDCCC050

Manual Integrations

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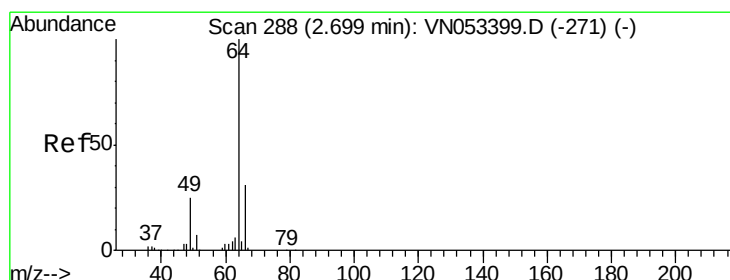
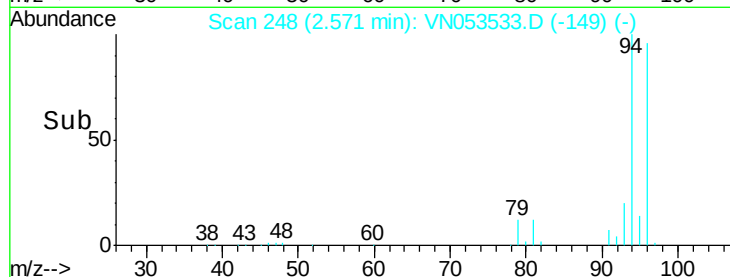
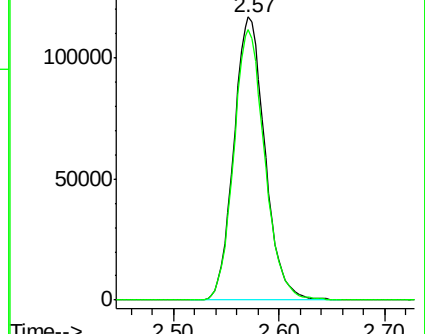
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 47.300 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN053533.D

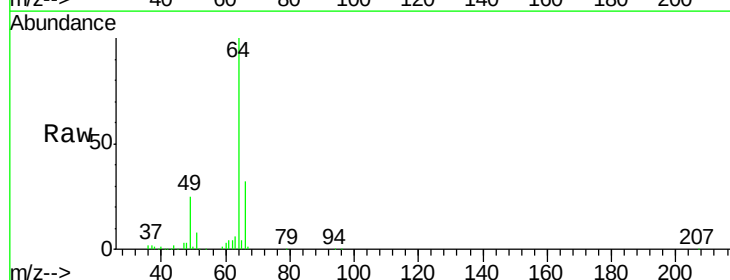
Acq: 28 Jan 2019 9:21

Tgt Ion: 64 Resp: 242041

Ion Ratio Lower Upper

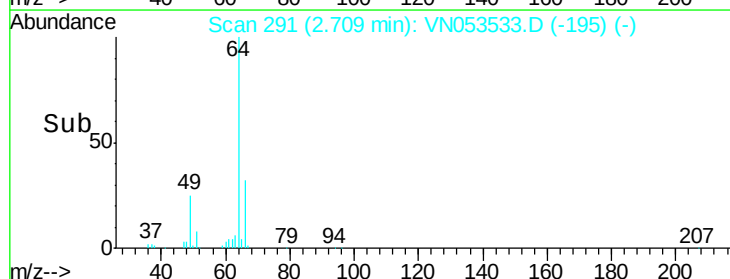
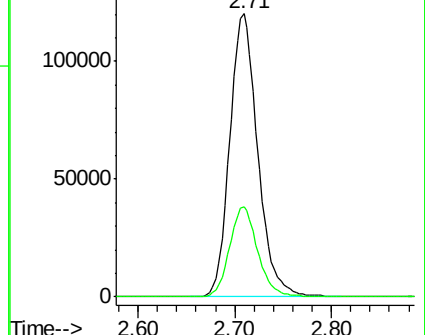
64 100

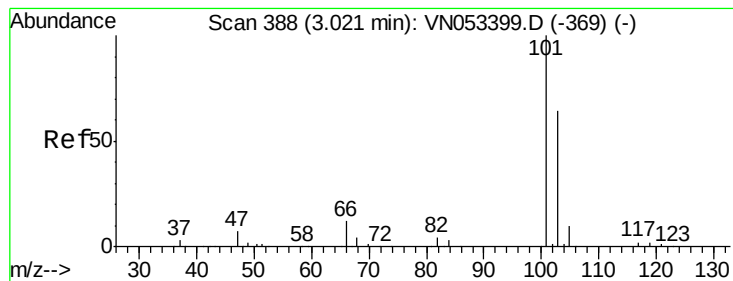
66 32.0 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





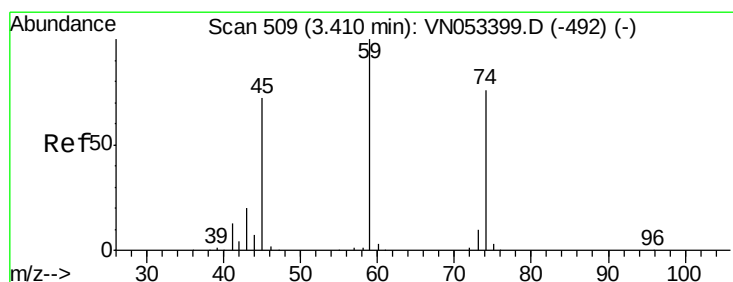
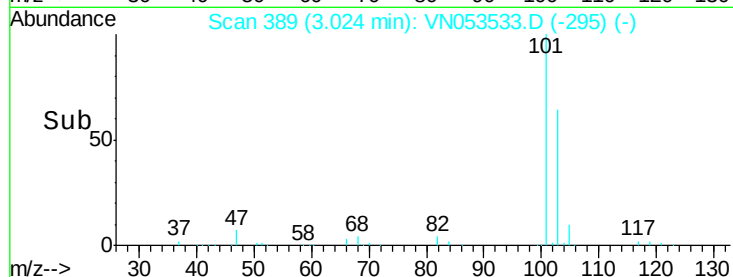
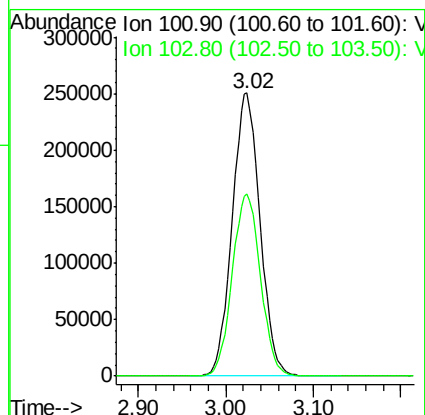
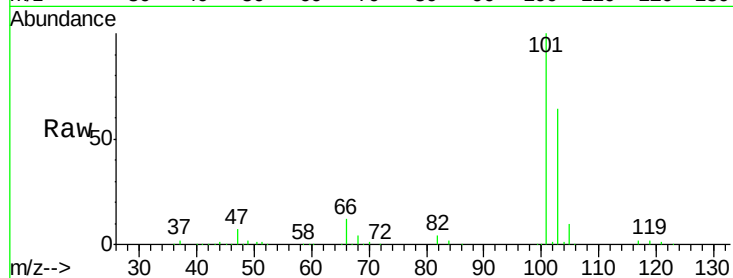
#7
 Trichlorofluoromethane
 Concen: 49.954 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053533.D
 Acq: 28 Jan 2019 9:21

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.6	77.4

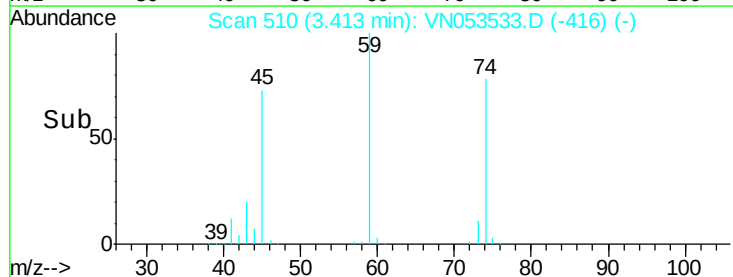
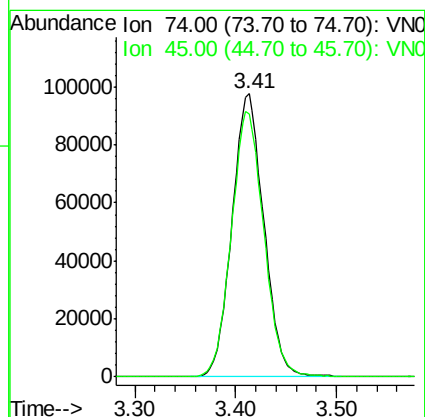
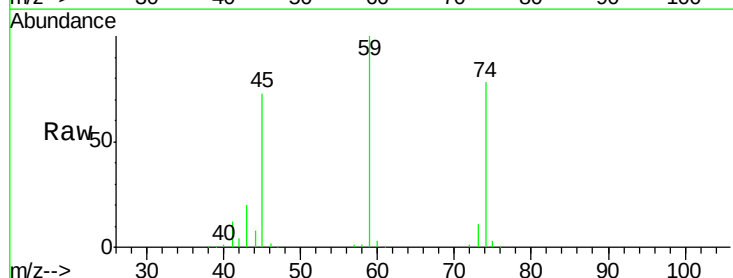
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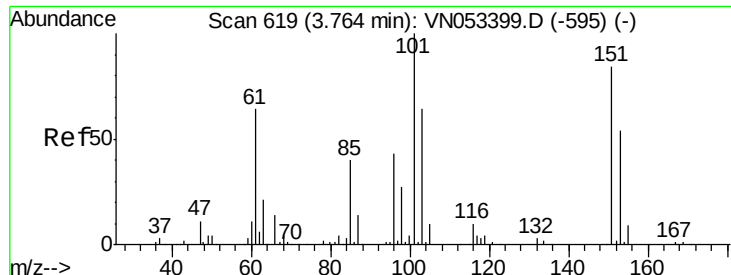
MMDadoda
 1/29/2019 9:52:19 AM



#8
 Diethyl Ether
 Concen: 51.504 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053533.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.0	47.9	143.7





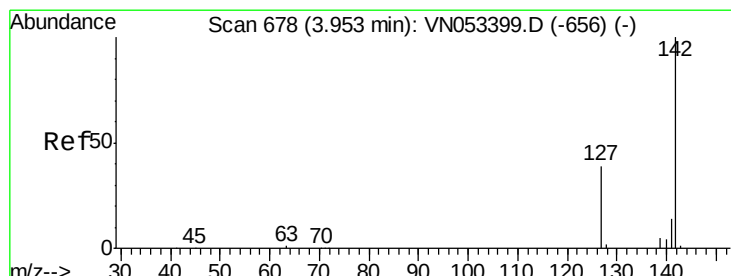
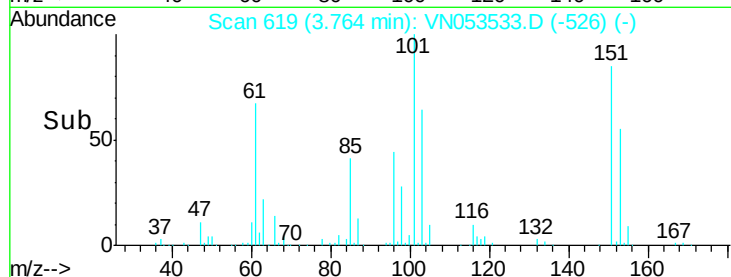
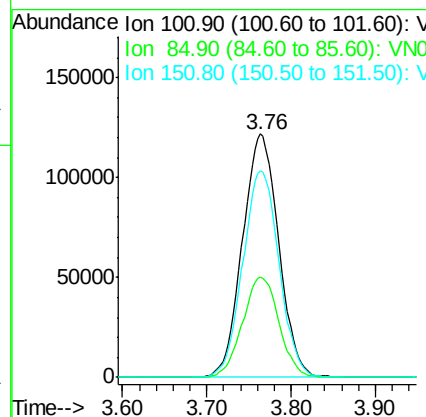
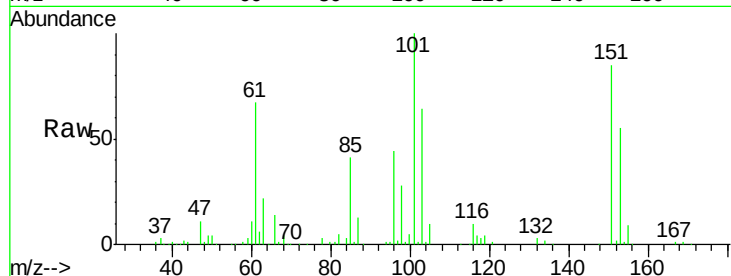
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 51.792 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VN053533.D
 Acq: 28 Jan 2019 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	363129		
85	41.5	32.8	49.2	
151	85.2	66.9	100.3	

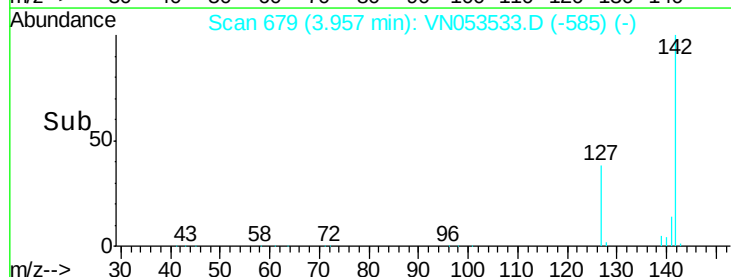
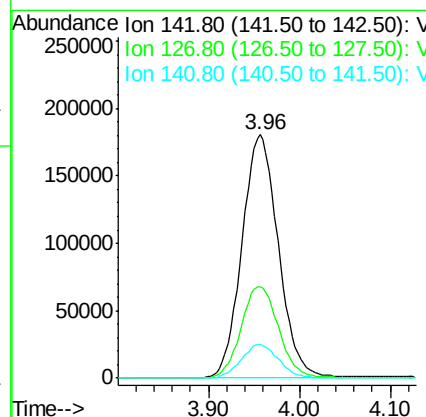
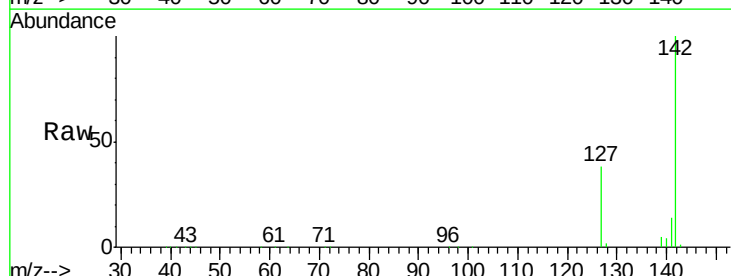
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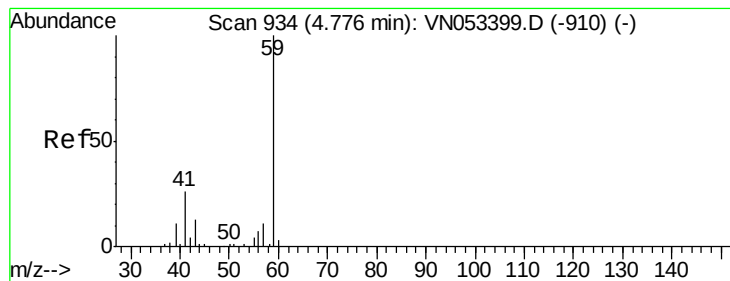
MMDadoda
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#10
 Methyl Iodide
 Concen: 46.931 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN053533.D
 Acq: 28 Jan 2019 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	502831		
127	38.8	31.0	46.4	
141	14.2	11.1	16.7	





#11

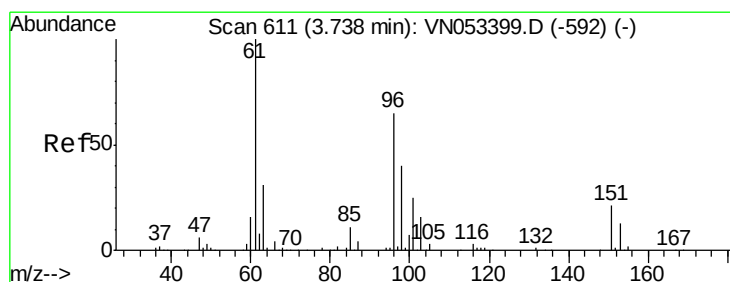
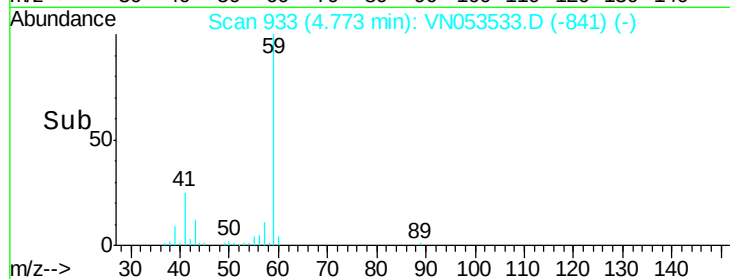
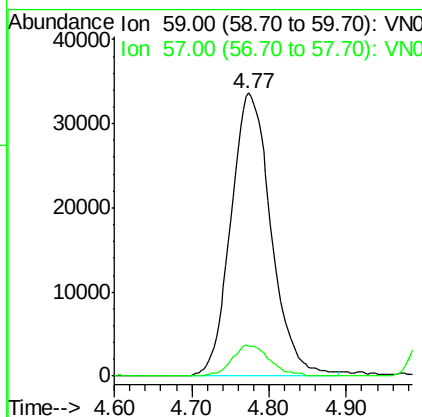
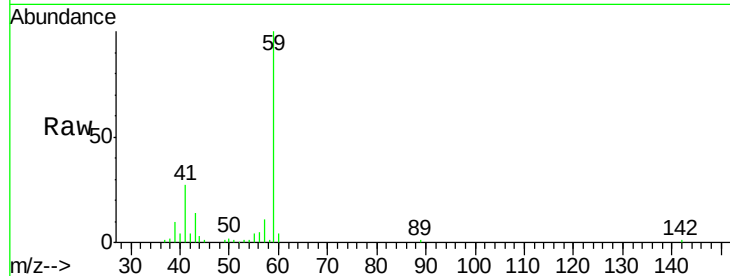
Tert butyl alcohol
 Concen: 329.434 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: VN053533.D
 Acq: 28 Jan 2019 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	121700
Ion Ratio	100	Lower	Upper
57	10.3	8.2	12.4

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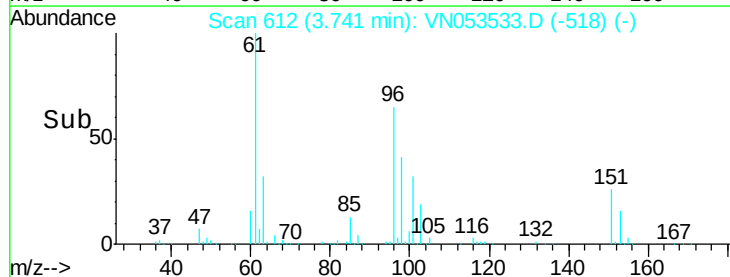
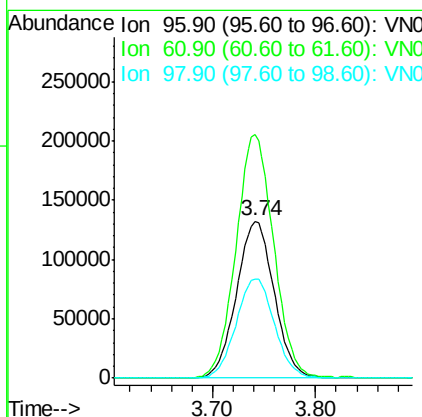
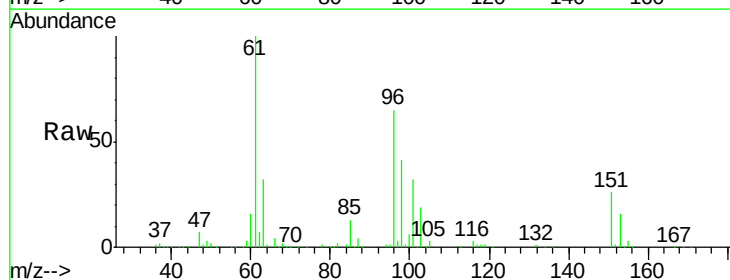
MMDadoda
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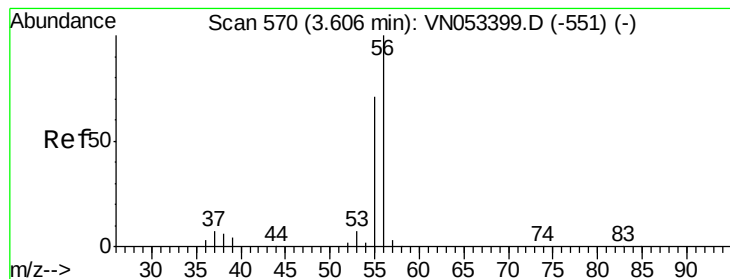


#12

1,1-Dichloroethene
 Concen: 49.408 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053533.D
 Acq: 28 Jan 2019 9:21

Tgt Ion	96	Resp	336000
Ion Ratio	100	Lower	Upper
61	155.0	122.9	184.3
98	63.3	49.4	74.0





#13

Acrolein

Concen: 232.979 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 166718

Ion Ratio Lower Upper

56 100

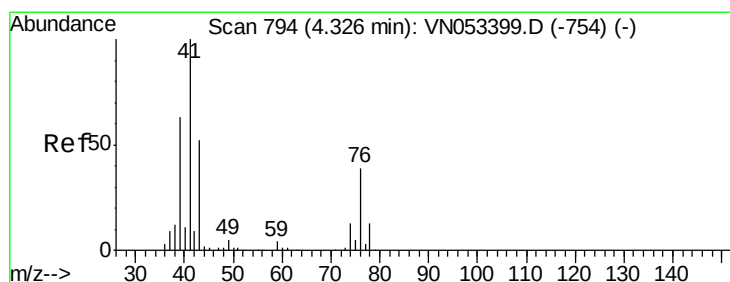
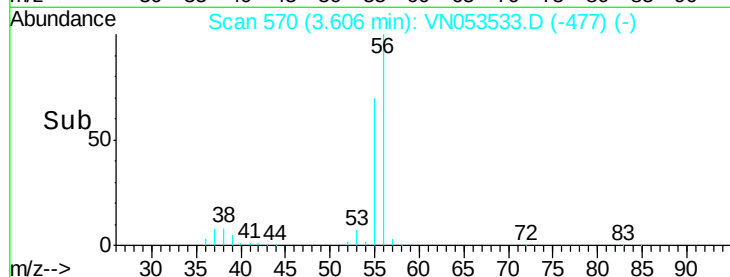
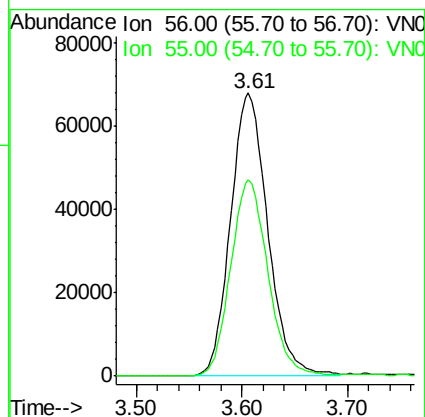
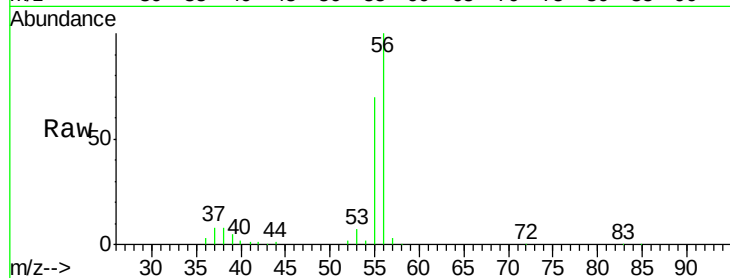
55 69.3 57.4 86.0

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#14

Allyl chloride

Concen: 48.973 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

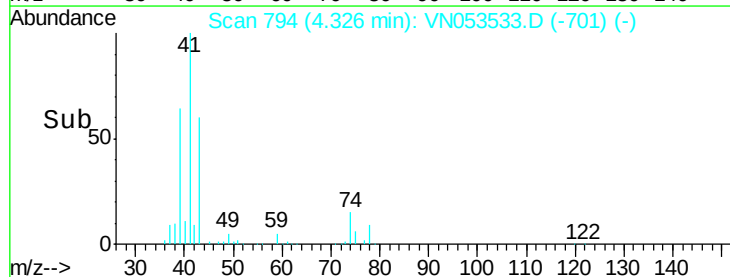
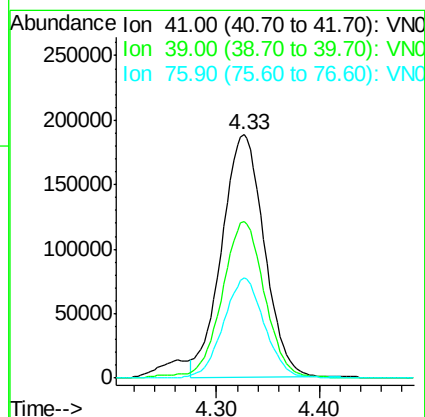
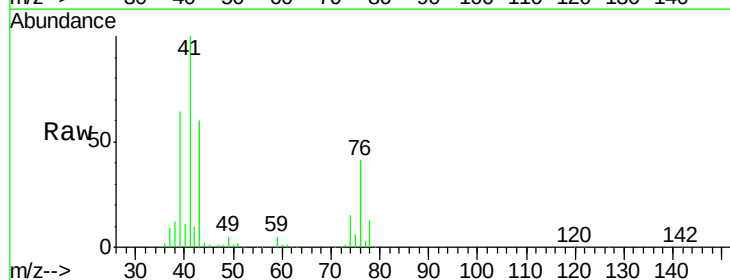
Tgt Ion: 41 Resp: 540961

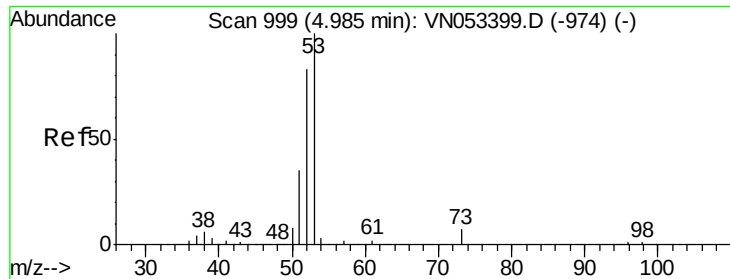
Ion Ratio Lower Upper

41 100

39 65.3 48.9 73.3

76 39.4 29.4 44.2





#15

Acrylonitrile

Concen: 272.043 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

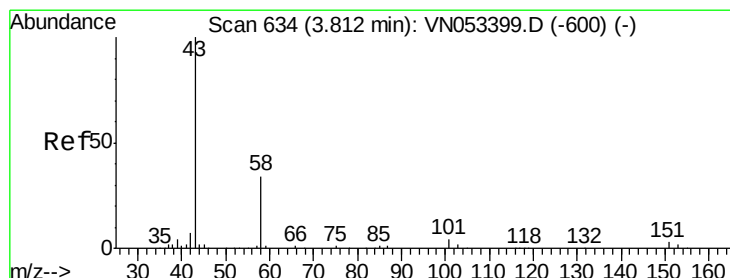
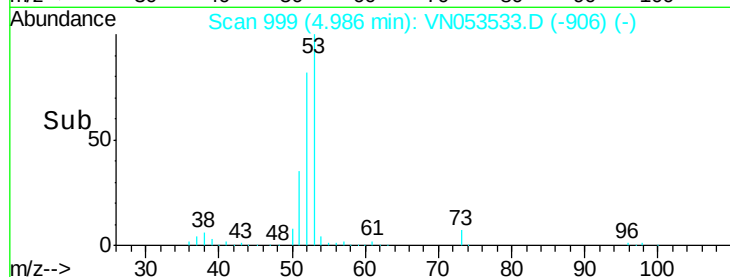
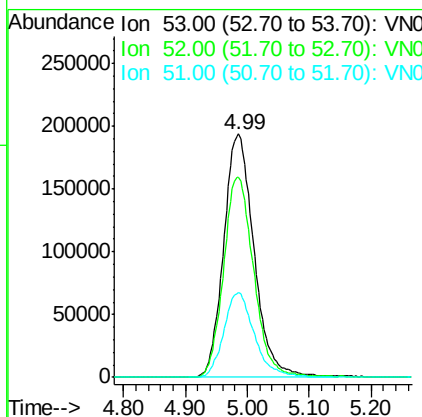
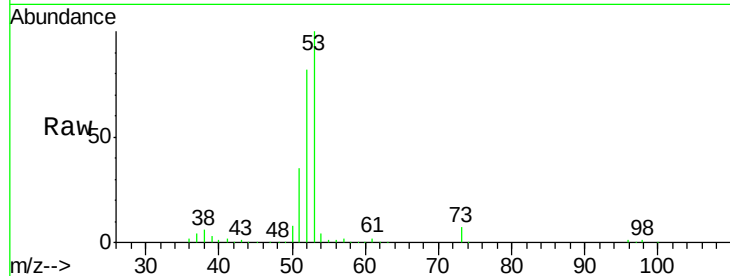
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	661391
Ion Ratio	Lower	Upper	
53	100		
52	81.4	66.0	99.0
51	35.1	28.3	42.5

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#16

Acetone

Concen: 218.264 ug/l

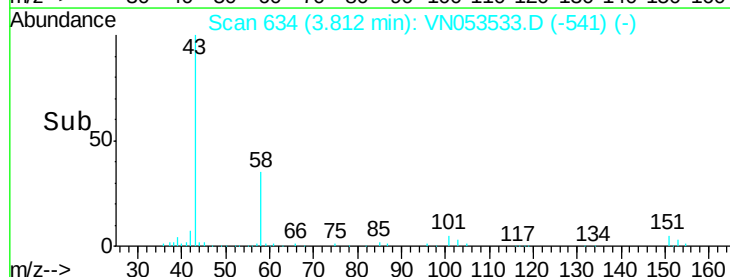
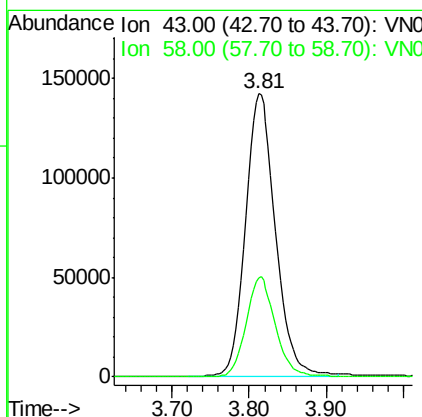
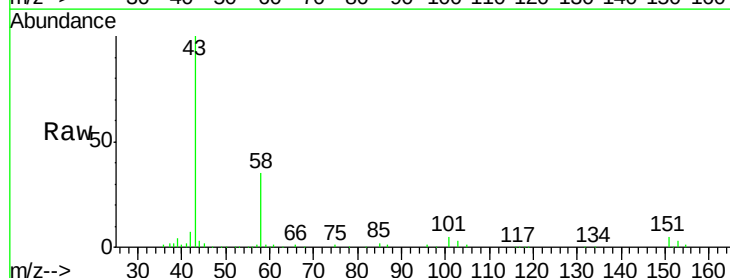
RT: 3.81 min Scan# 634

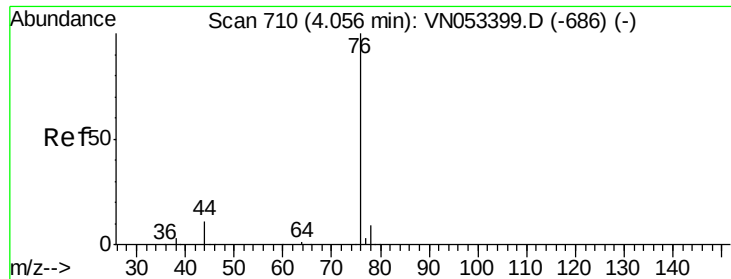
Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Tgt Ion:	43	Resp:	386611
Ion Ratio	Lower	Upper	
43	100		
58	35.0	27.1	40.7





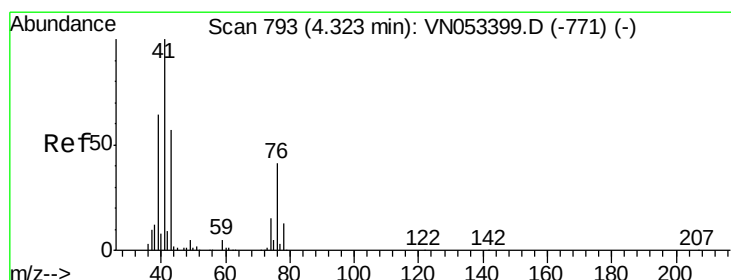
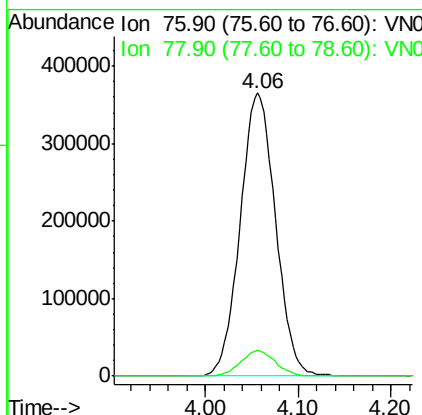
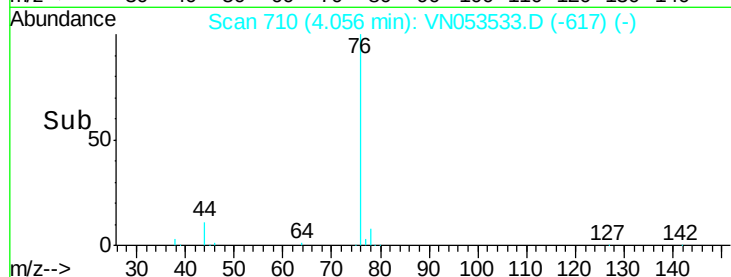
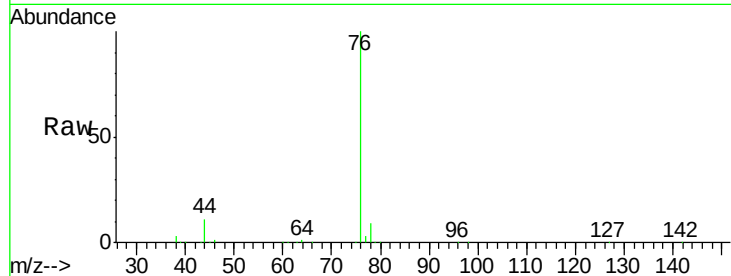
#17
Carbon Disulfide
Concen: 46.892 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

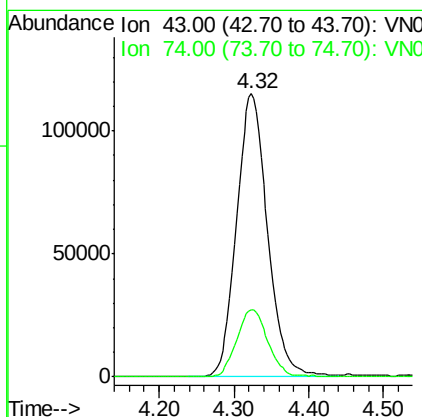
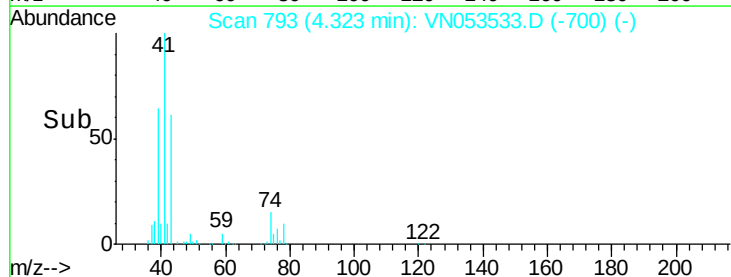
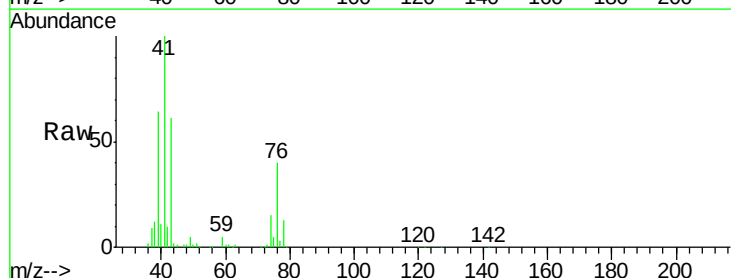
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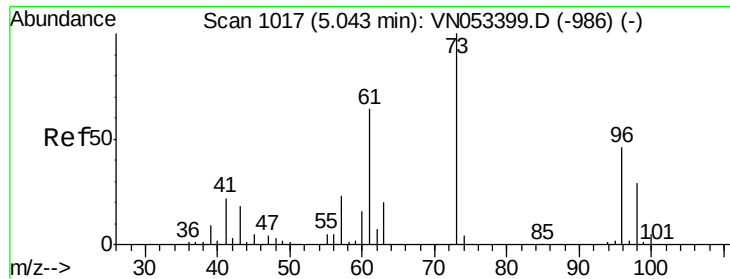
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#18
Methyl Acetate
Concen: 55.130 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.4	29.2





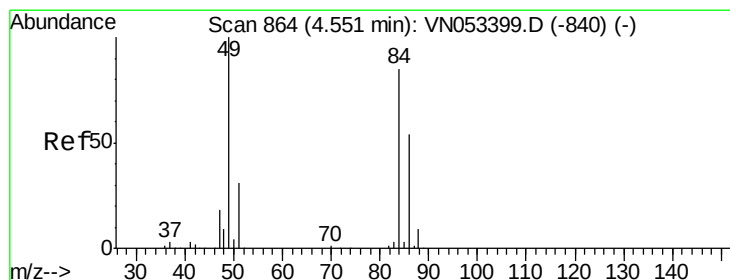
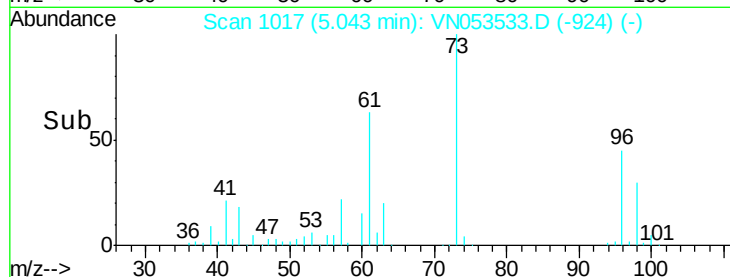
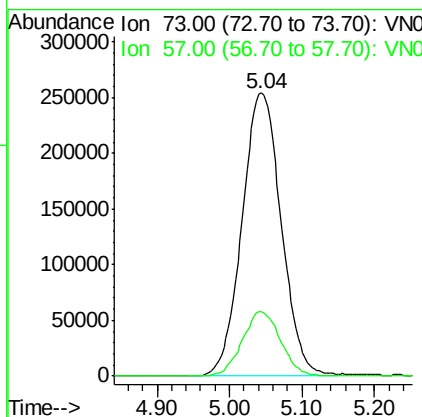
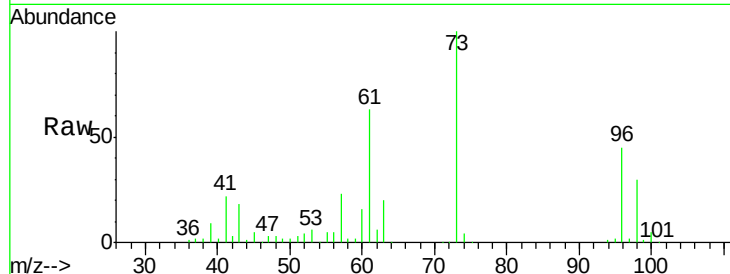
#19
Methyl tert-butyl Ether
Concen: 52.966 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.8	18.3	27.5

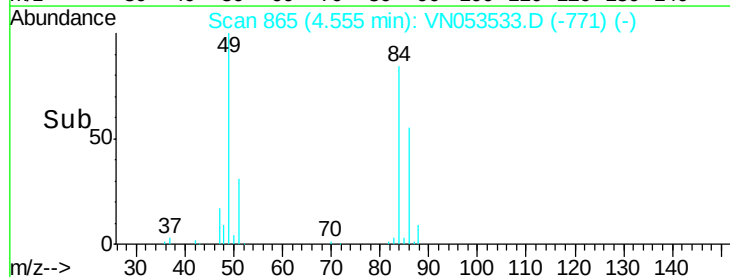
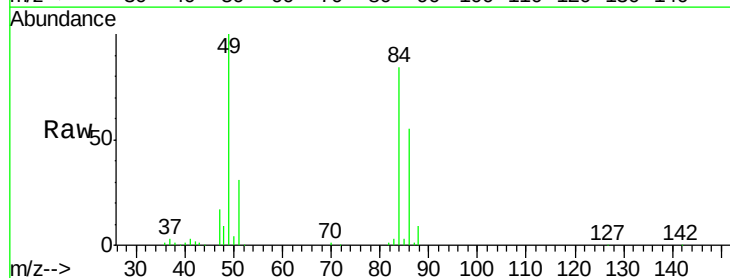
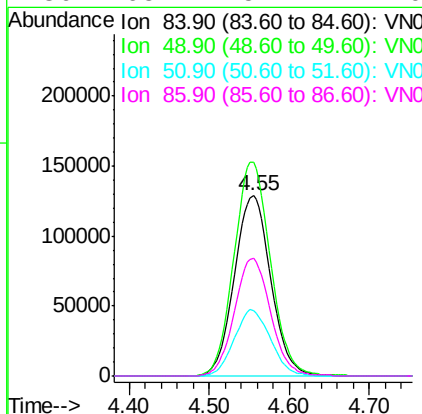
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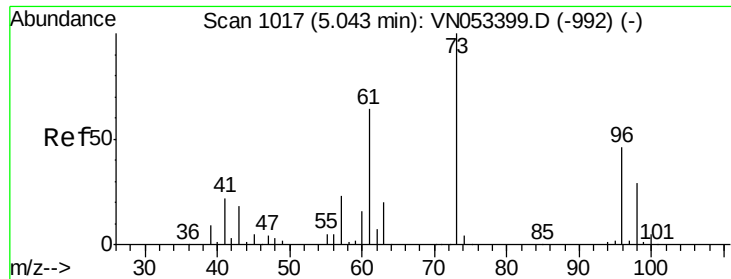
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#20
Methylene Chloride
Concen: 49.283 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.6	94.3	141.5
51	36.4	29.4	44.2
86	65.1	51.4	77.0





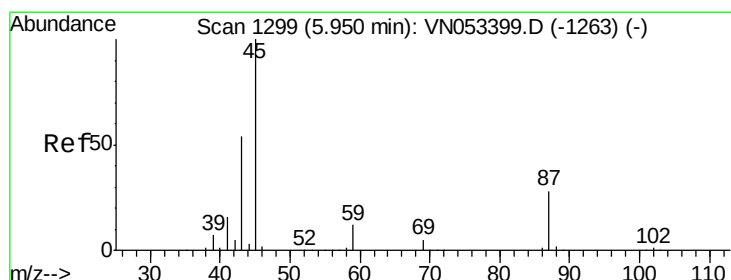
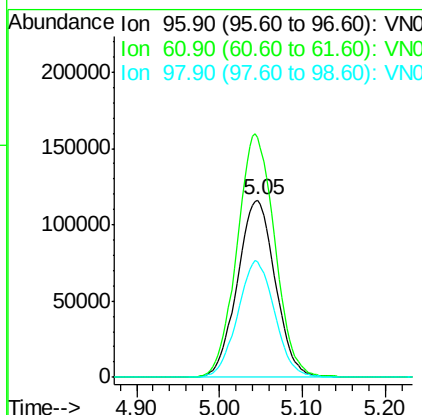
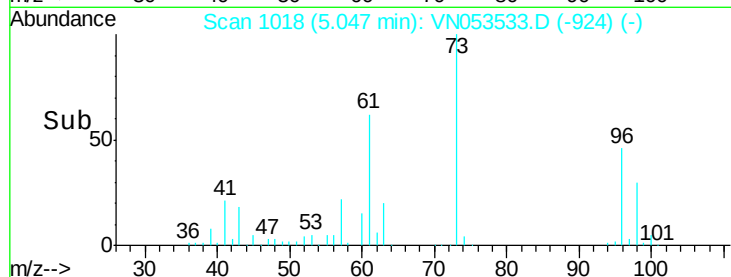
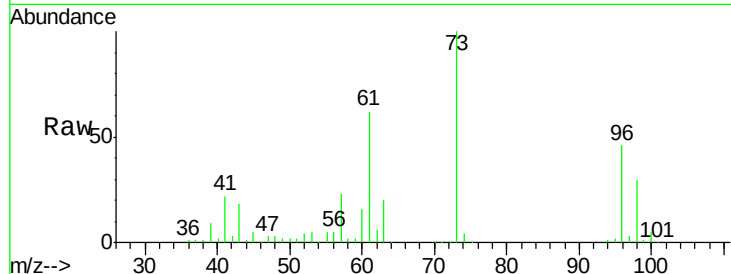
#21
trans-1,2-Dichloroethene
Concen: 50.760 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.2	110.1	165.1
98	65.0	50.0	75.0

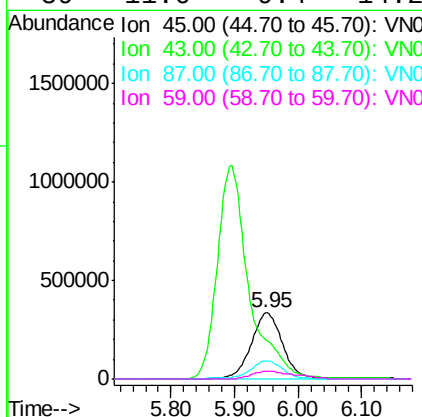
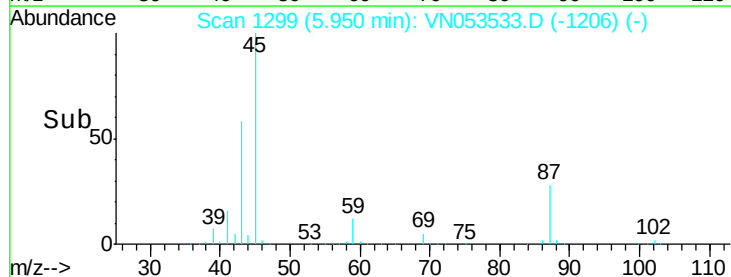
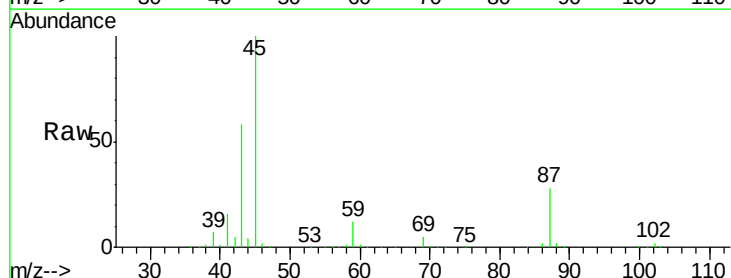
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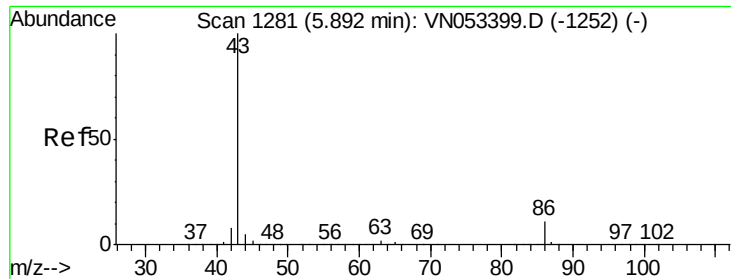
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#22
Diisopropyl ether
Concen: 50.616 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.9	44.2	66.4
87	27.2	22.7	34.1
59	11.6	9.4	14.2





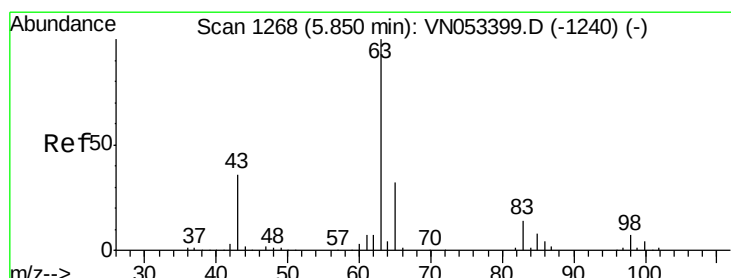
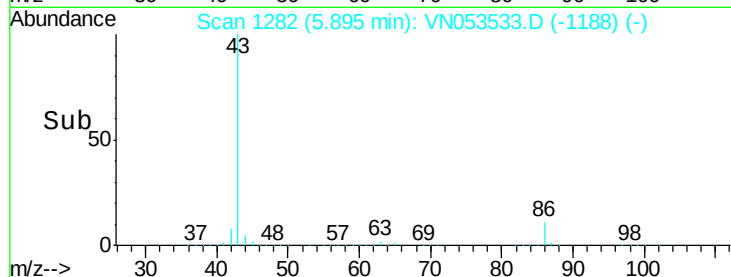
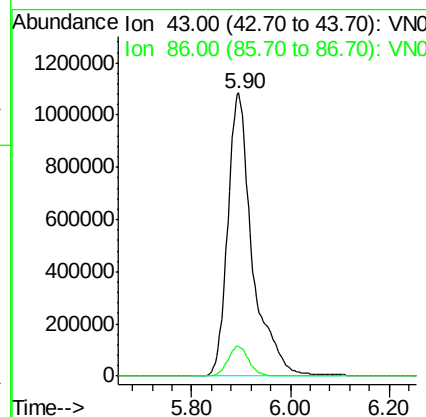
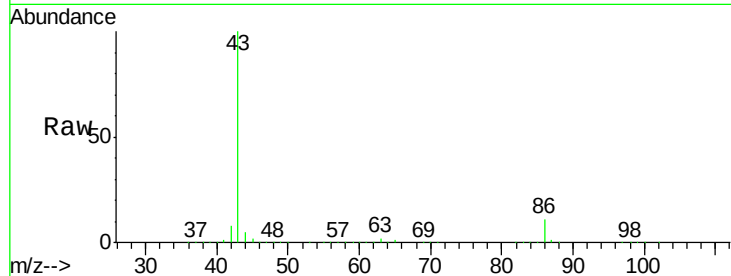
#23
 Vinyl Acetate
 Concen: 266.273 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053533.D
 Acq: 28 Jan 2019 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 3774482
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.4 12.6

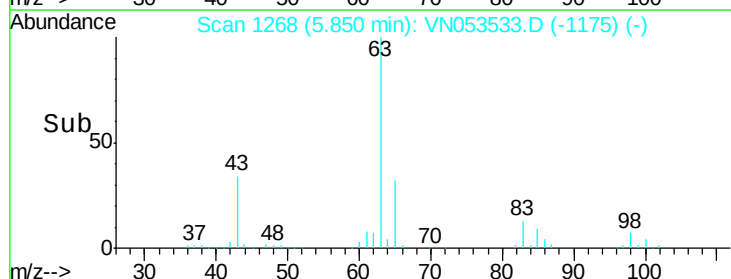
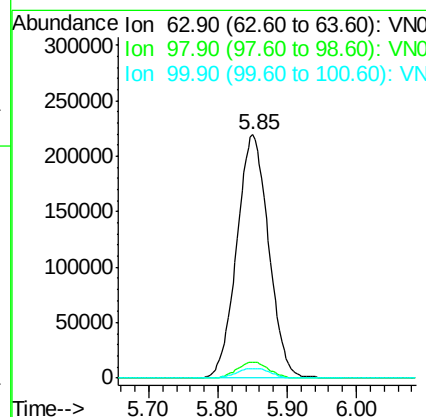
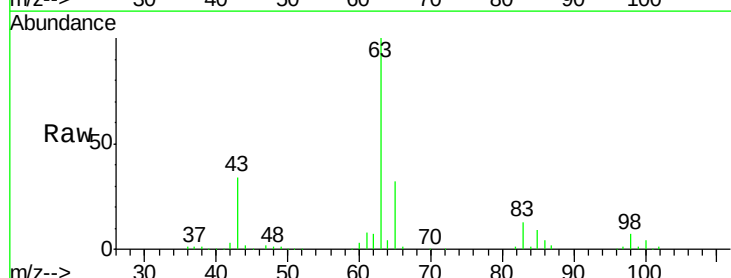
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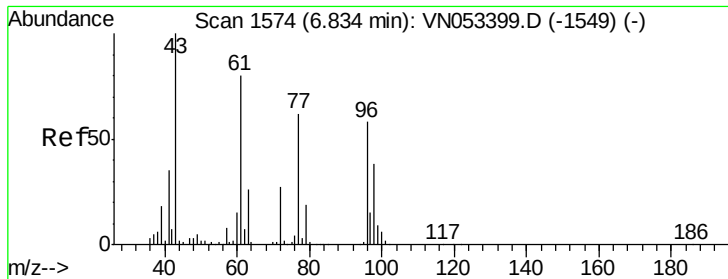
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#24
 1,1-Dichloroethane
 Concen: 51.614 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN053533.D
 Acq: 28 Jan 2019 9:21

Tgt Ion: 63 Resp: 703605
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.3 9.9
 100 3.9 2.1 6.5





#25

2-Butanone

Concen: 253.229 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 691212

Ion Ratio Lower Upper

43 100

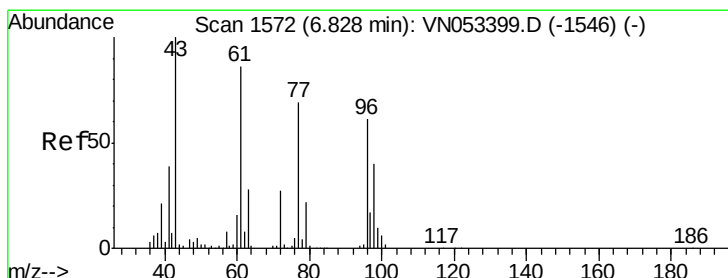
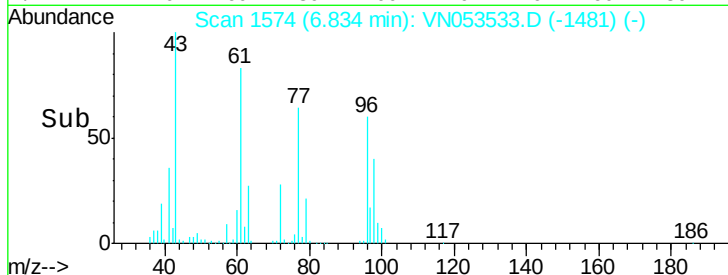
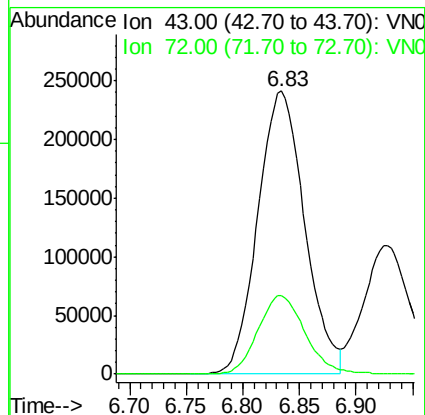
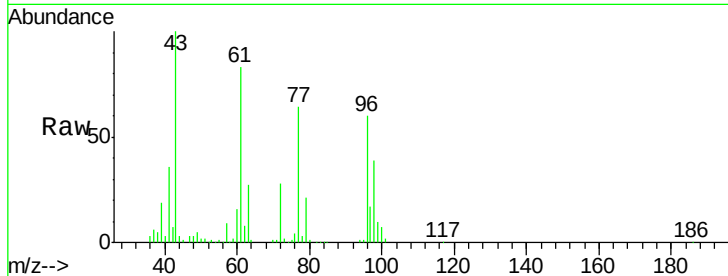
72 27.7 22.0 33.0

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#26

2,2-Dichloropropane

Concen: 53.212 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN053533.D

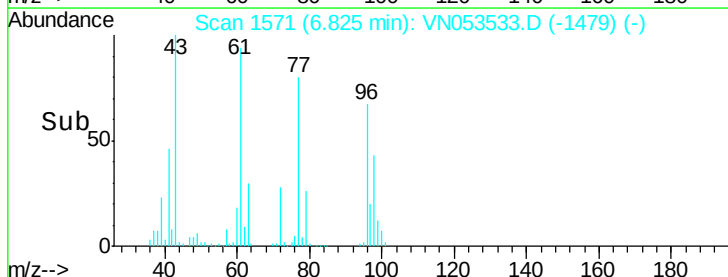
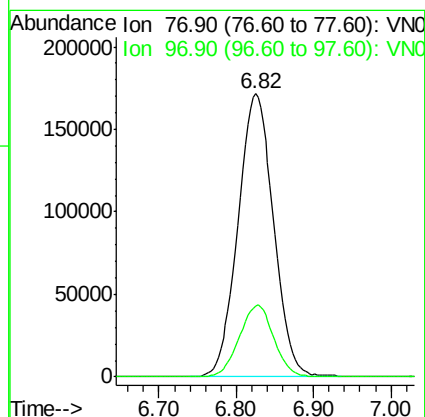
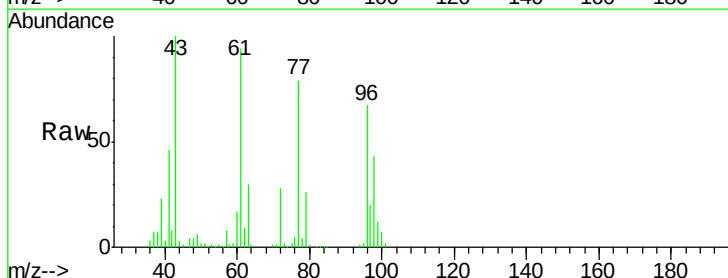
Acq: 28 Jan 2019 9:21

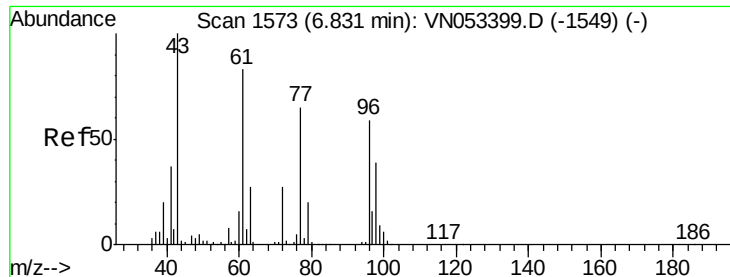
Tgt Ion: 77 Resp: 547691

Ion Ratio Lower Upper

77 100

97 24.6 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 52.487 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

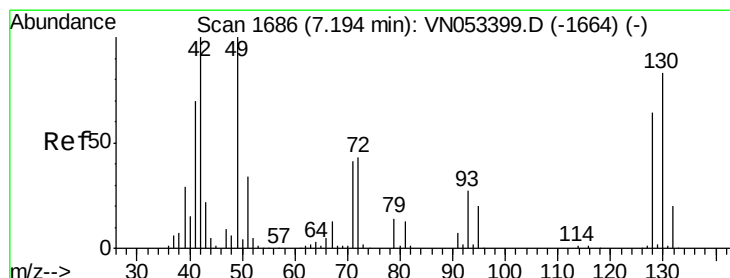
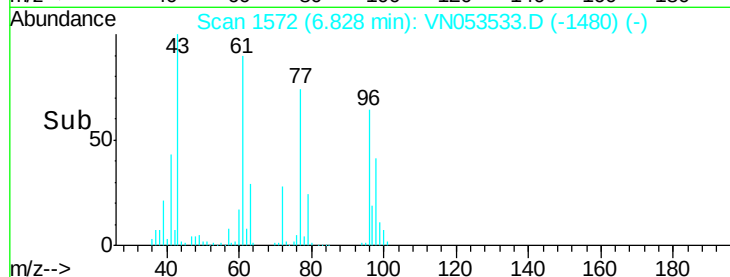
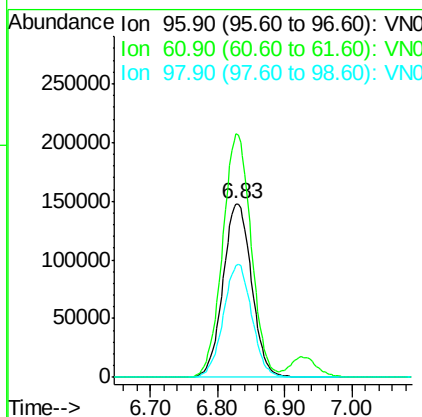
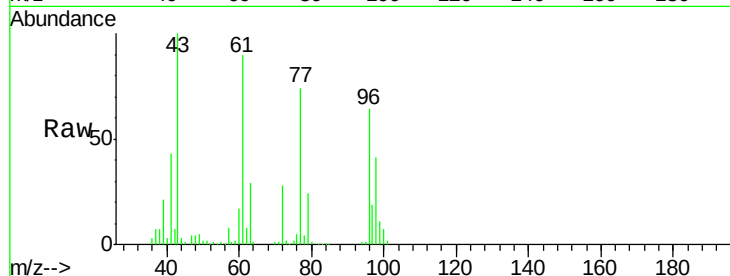
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	436371
Ion	Ratio	Lower	Upper
96	100		
61	140.4	0.0	283.8
98	64.7	0.0	129.2

Manual Integrations
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MMDadoda
1/29/2019 9:52:19 AM



#28

Bromochloromethane

Concen: 50.378 ug/l

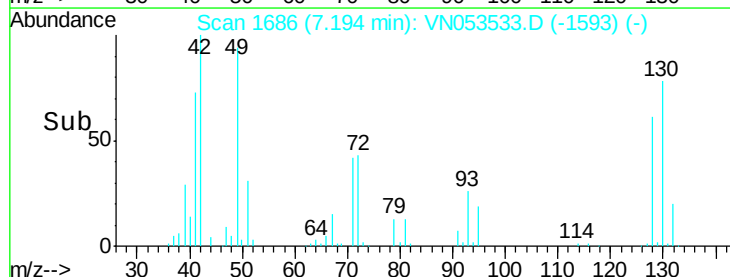
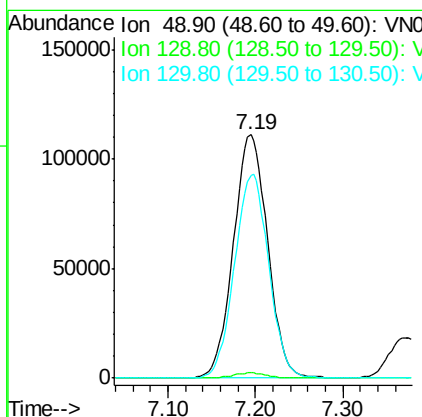
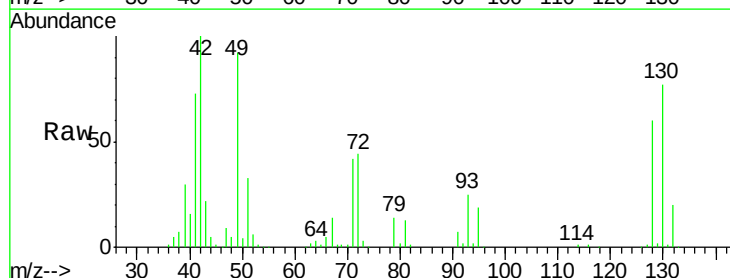
RT: 7.19 min Scan# 1686

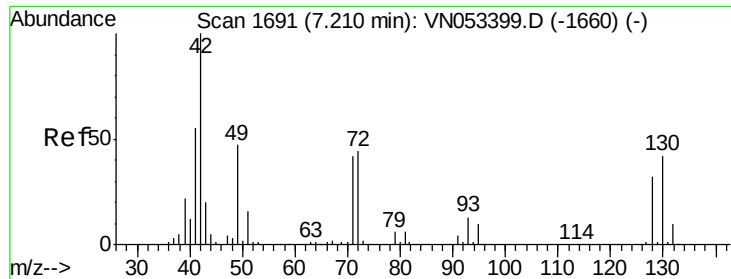
Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Tgt Ion:	49	Resp:	302549
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	83.8	66.3	99.5





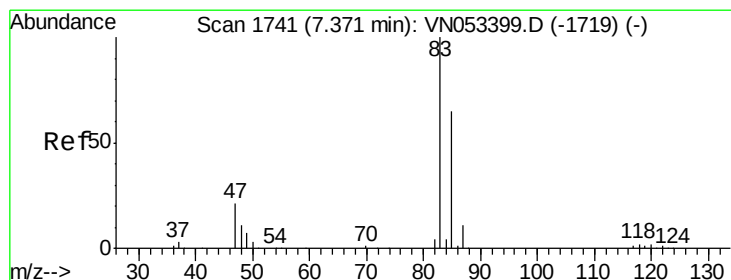
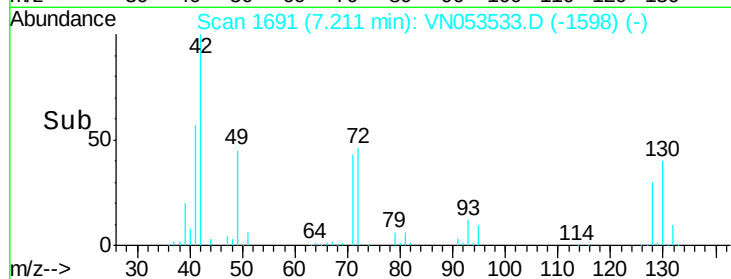
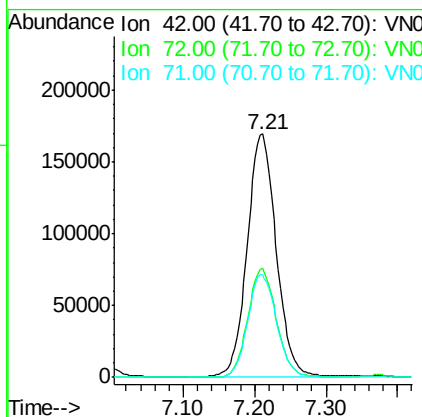
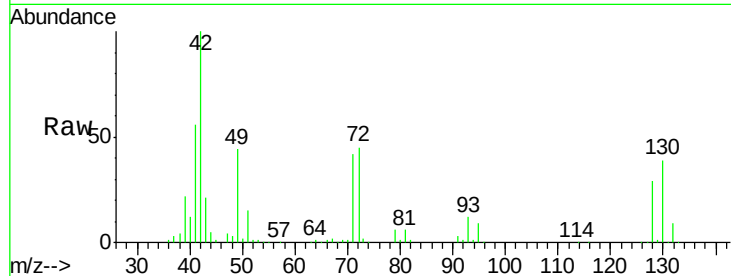
#29
Tetrahydrofuran
Concen: 270.183 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.2	35.2	52.8
71	42.2	33.0	49.4

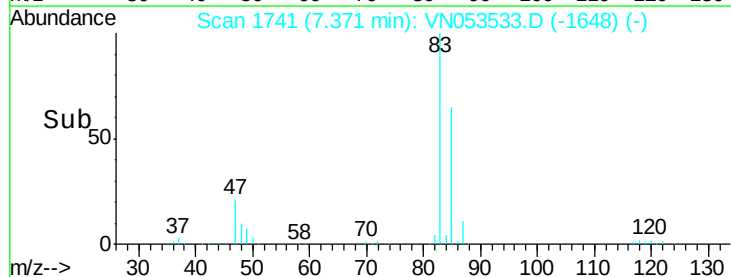
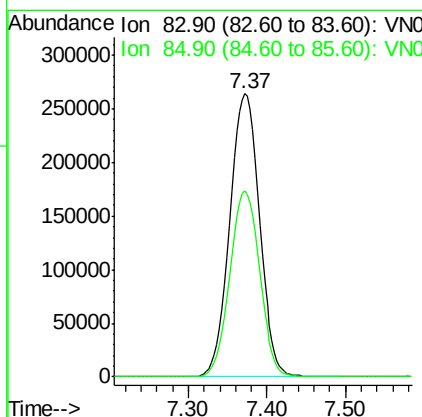
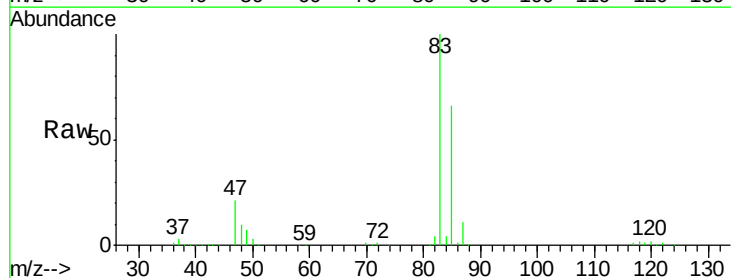
Manual Integrations
APPROVED

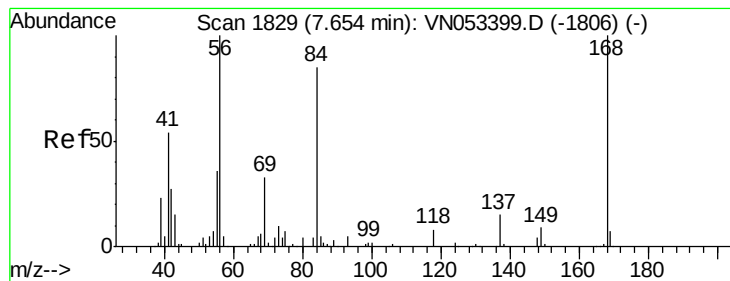
MMDadoda
1/29/2019 9:52:19 AM



#30
Chloroform
Concen: 52.245 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.2	78.2





#31

Cyclohexane

Concen: 47.711 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 633101

Ion Ratio Lower Upper

56 100

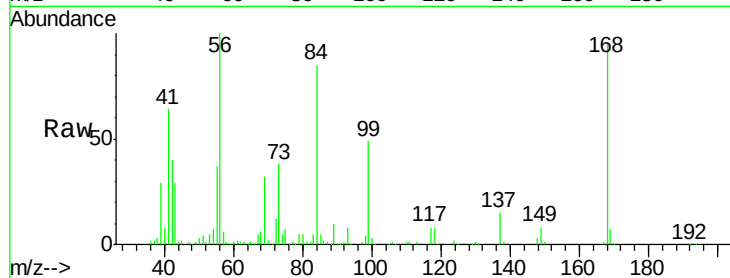
69 32.0 26.4 39.6

84 83.9 67.9 101.9

Manual Integrations
APPROVED

MMDadoda

1/29/2019 9:52:19 AM

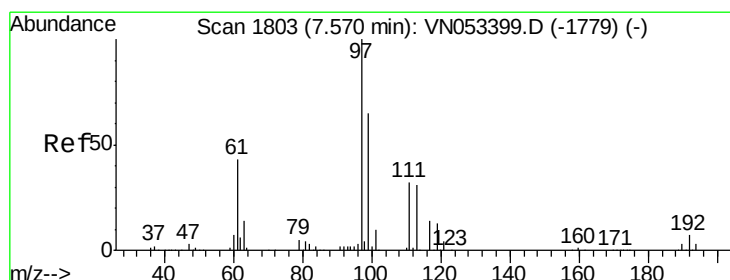
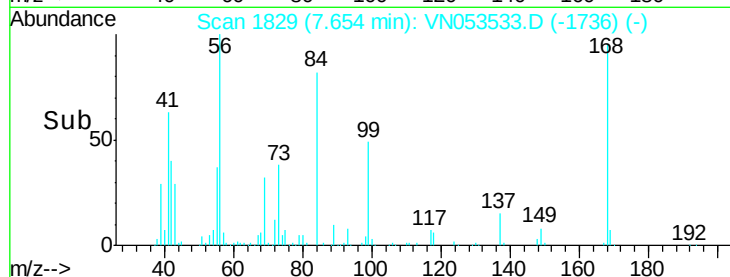
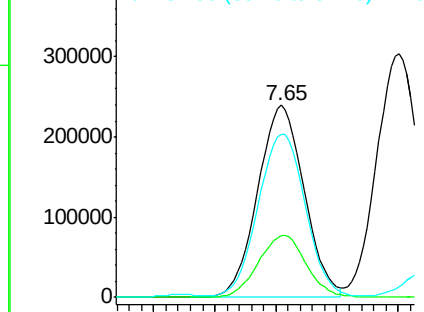


Abundance

Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 52.134 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

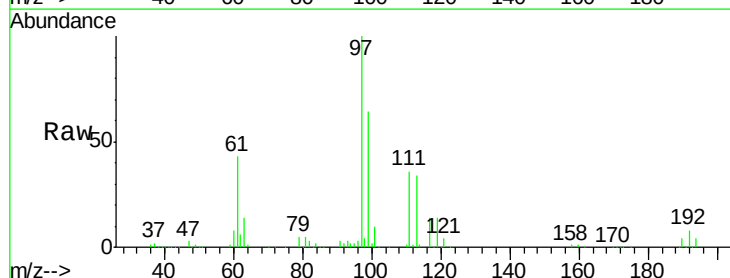
Tgt Ion: 97 Resp: 587387

Ion Ratio Lower Upper

97 100

99 64.7 52.0 78.0

61 43.4 34.4 51.6

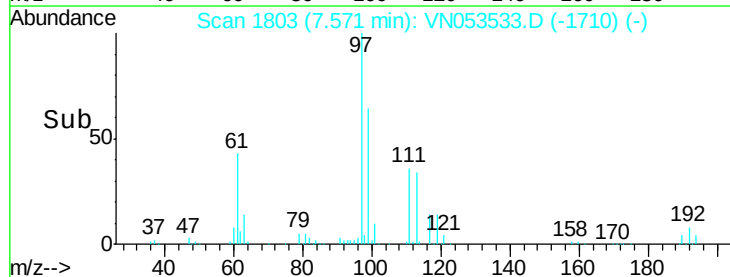
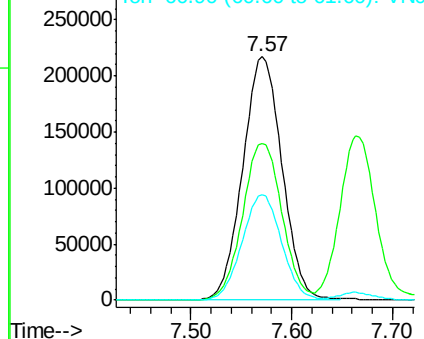


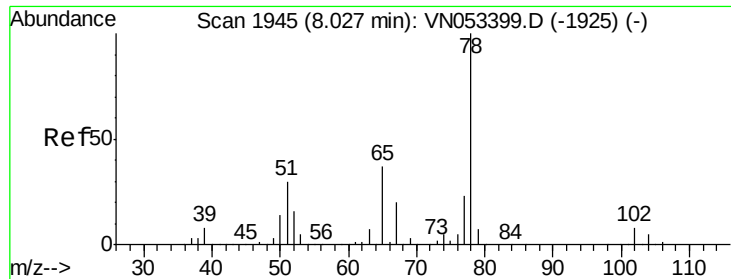
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

Ion 60.90 (60.60 to 61.60): VNO





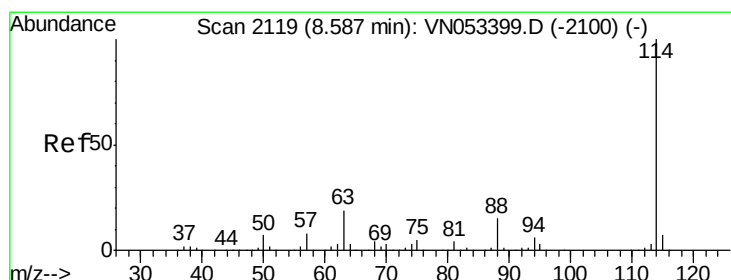
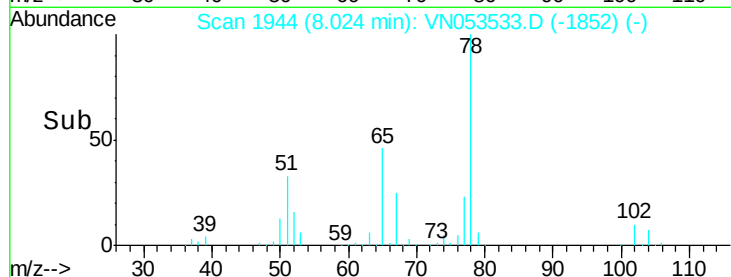
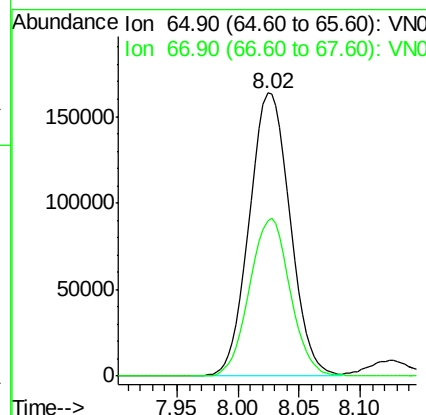
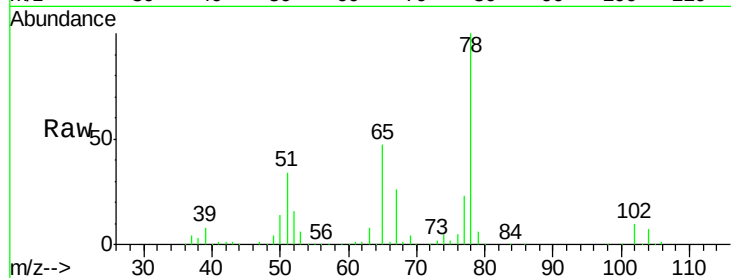
#33
 1,2-Dichloroethane-d4
 Concen: 52.134 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053533.D
 Acq: 28 Jan 2019 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	379321		
67	55.5	0.0	111.2	

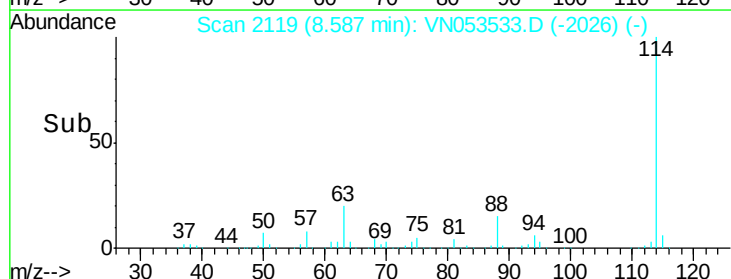
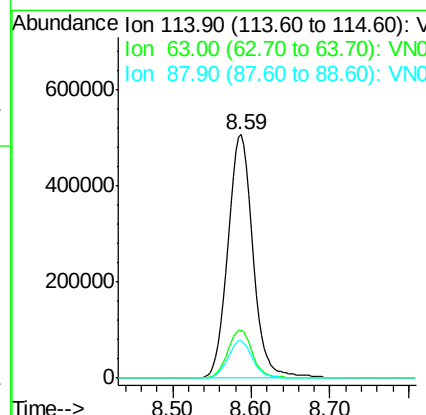
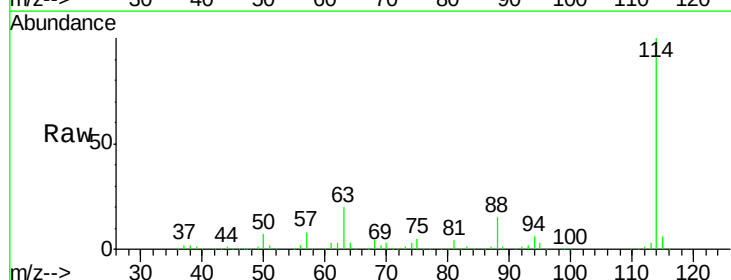
Manual Integrations
 APPROVED

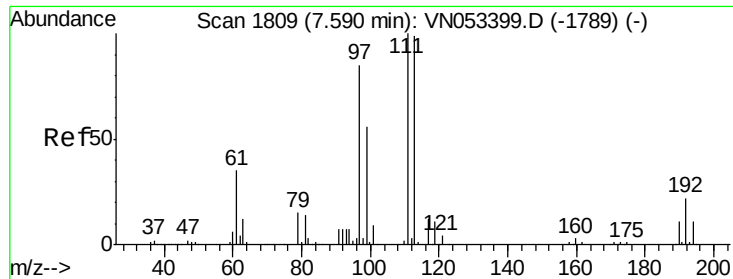
MMDadoda
 1/29/2019 9:52:19 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053533.D
 Acq: 28 Jan 2019 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1116490		
63	19.7	0.0	38.6	
88	15.3	0.0	30.4	





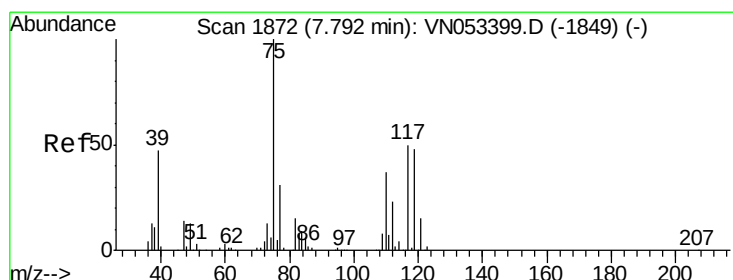
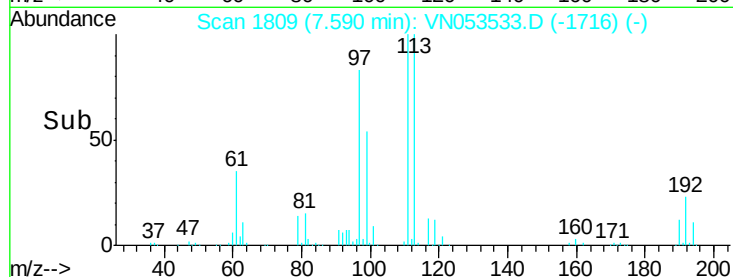
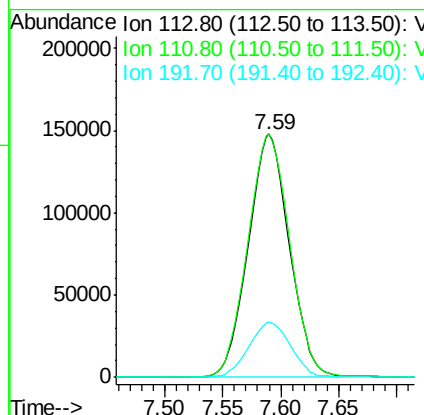
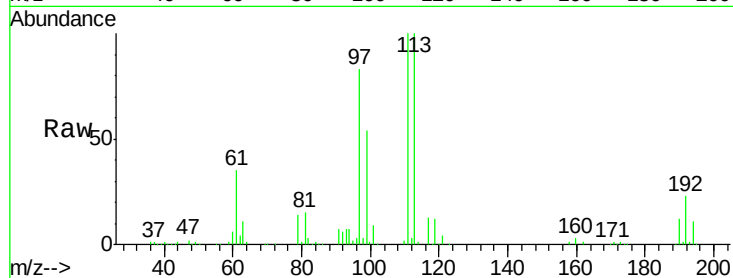
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053533.D
 Acq: 28 Jan 2019 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	364426		
111	102.8	81.1	121.7	
192	23.2	18.2	27.2	

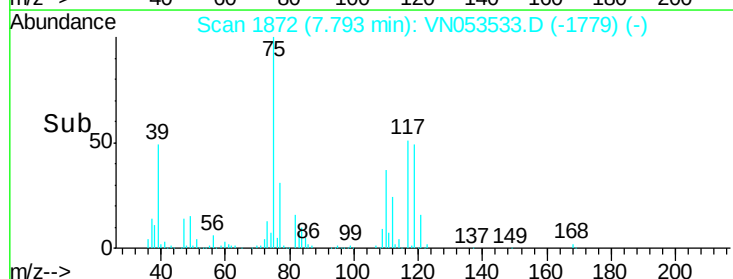
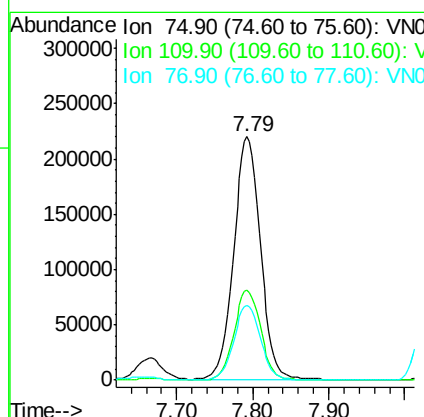
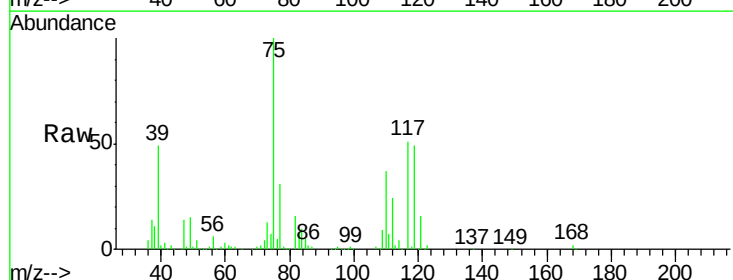
Manual Integrations
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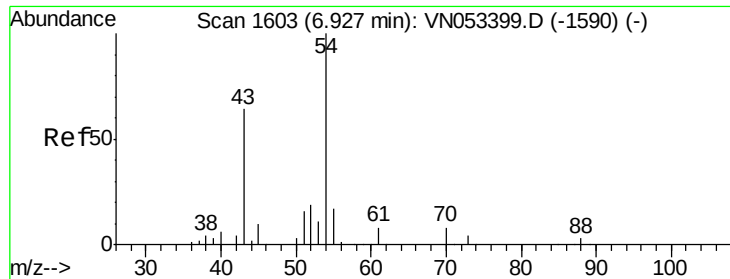
MMDadoda
 1/29/2019 9:52:19 AM



#36
 1,1-Dichloropropene
 Concen: 52.898 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053533.D
 Acq: 28 Jan 2019 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	537863		
110	36.9	18.1	54.3	
77	31.0	25.1	37.7	





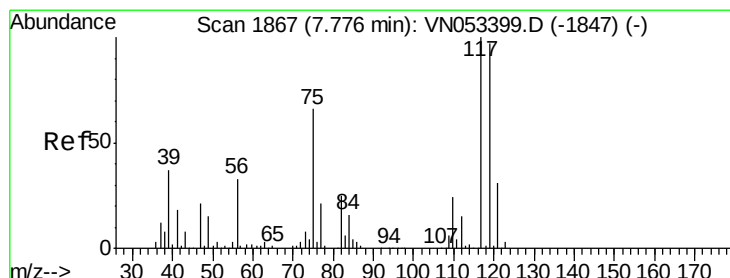
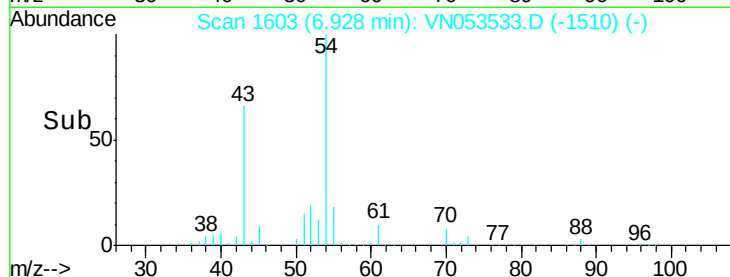
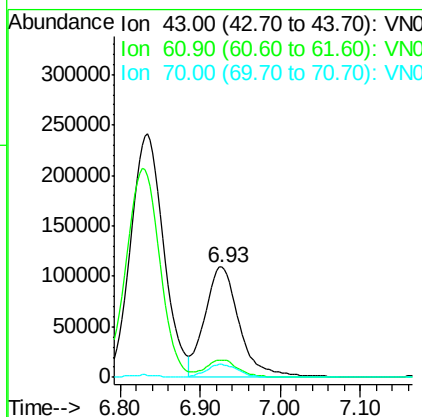
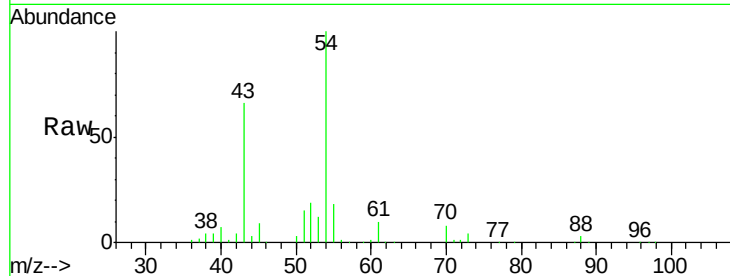
#37
Ethyl Acetate
Concen: 55.585 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.8	17.6
70	10.7	8.6	12.8

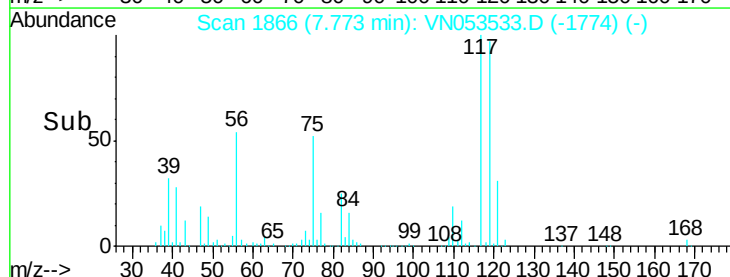
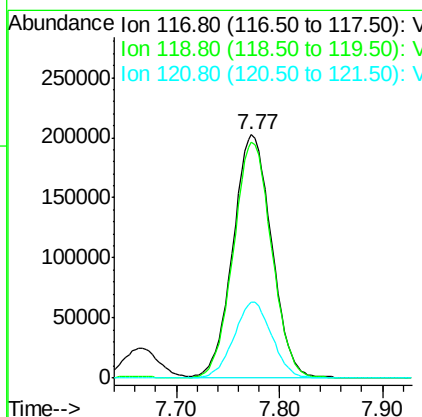
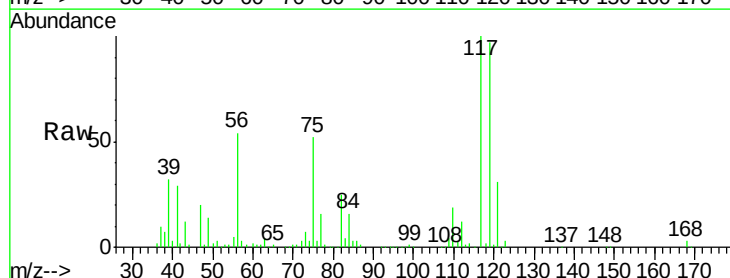
Manual Integrations
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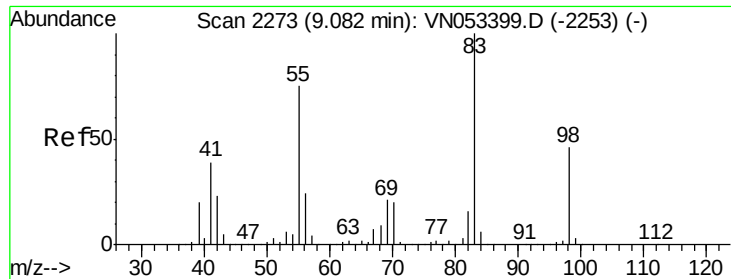
MMDadoda
1/29/2019 9:52:19 AM



#38
Carbon Tetrachloride
Concen: 54.546 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	77.2	115.8
121	31.3	24.6	37.0





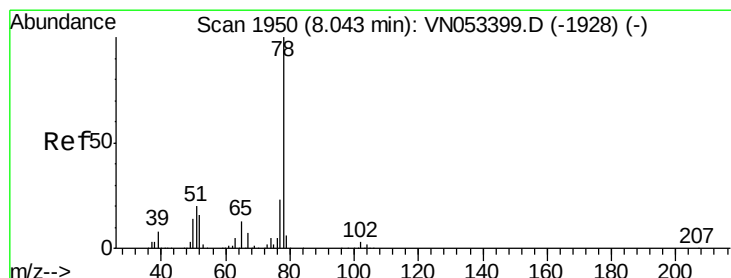
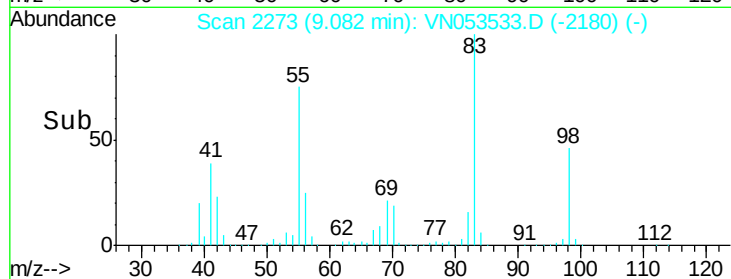
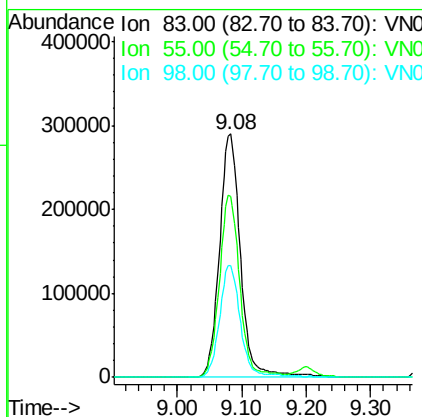
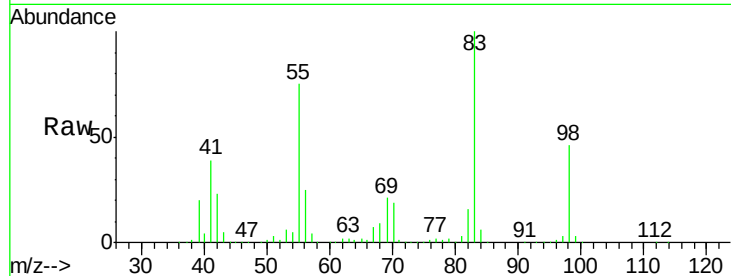
#39
Methylvlcyclohexane
Concen: 52.276 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	74.6	60.1	90.1	
98	46.0	36.6	55.0	

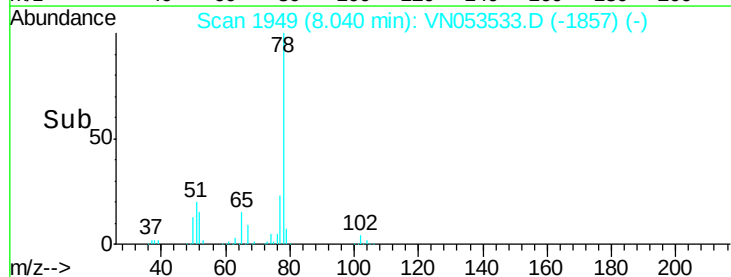
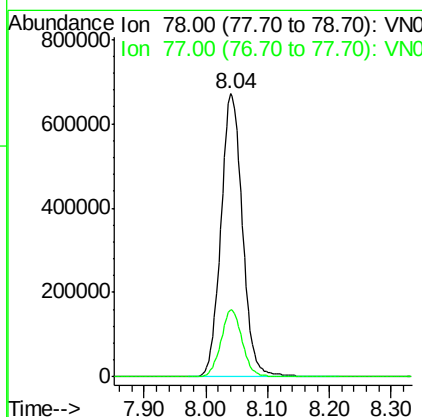
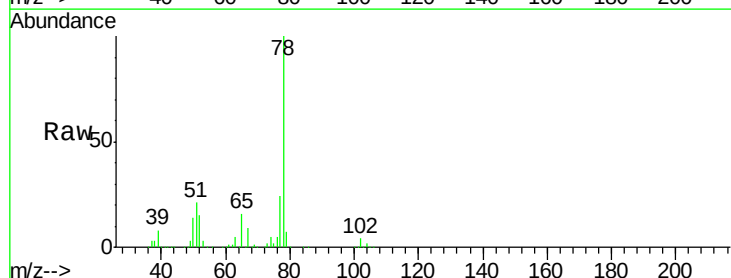
Manual Integrations
APPROVED

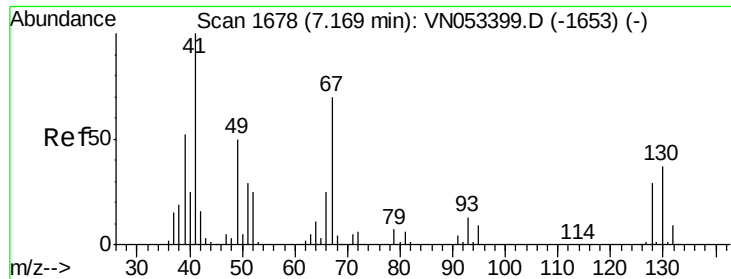
MMDadoda
1/29/2019 9:52:19 AM



#40
Benzene
Concen: 52.466 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.7	18.8	28.2	





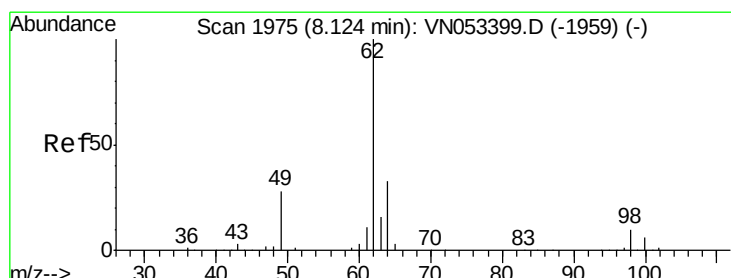
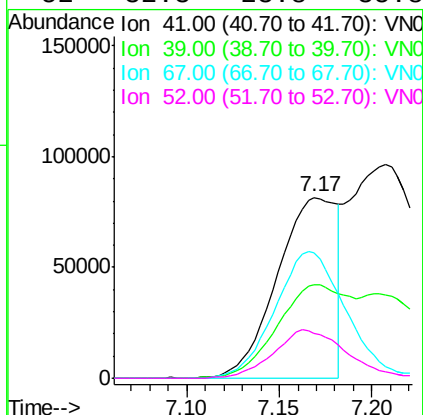
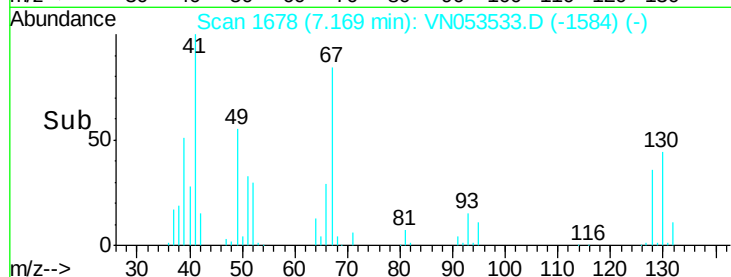
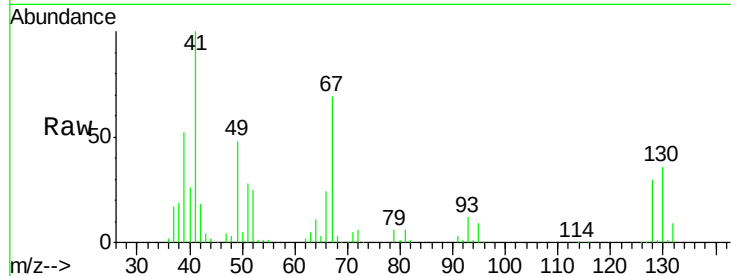
#41
Methacrylonitrile
Concen: 52.199 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		181553		
39	63.3	46.8	70.2		
67	84.7	63.0	94.6		
52	32.3	23.8	35.8		

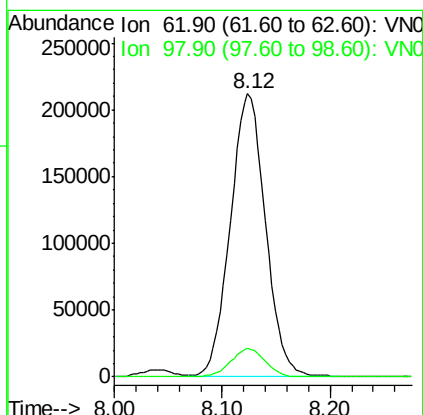
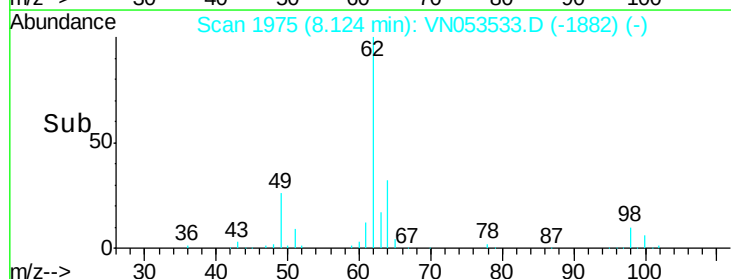
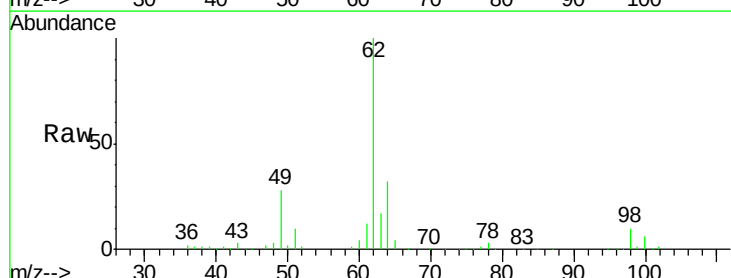
Manual Integrations
APPROVED

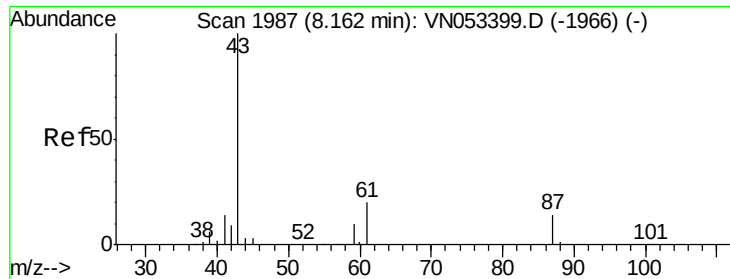
MMDadoda
1/29/2019 9:52:19 AM



#42
1,2-Dichloroethane
Concen: 53.238 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		479231		
98	9.9	0.0	19.6		





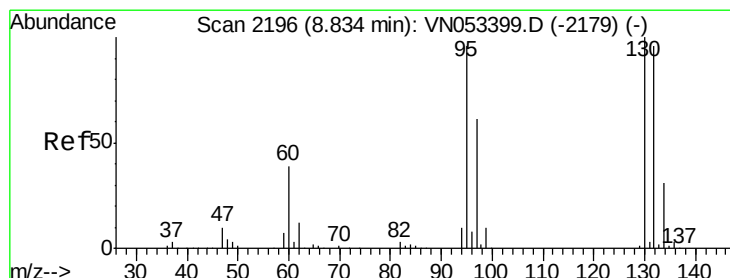
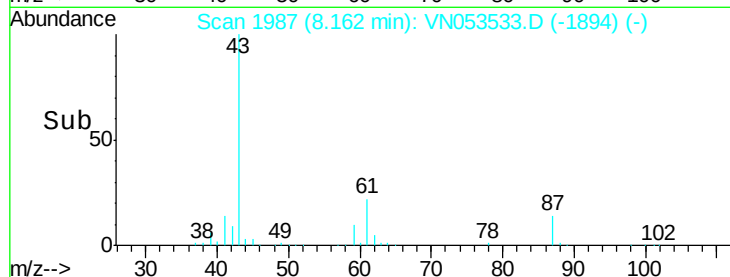
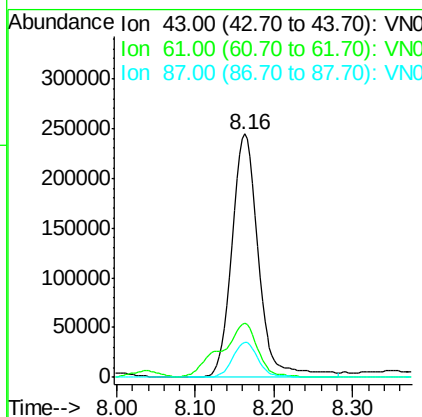
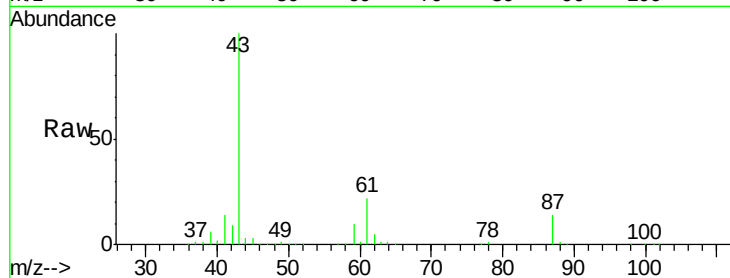
#43
Isopropyl Acetate
Concen: 54.395 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.9	23.9	35.9
87	13.8	11.0	16.6

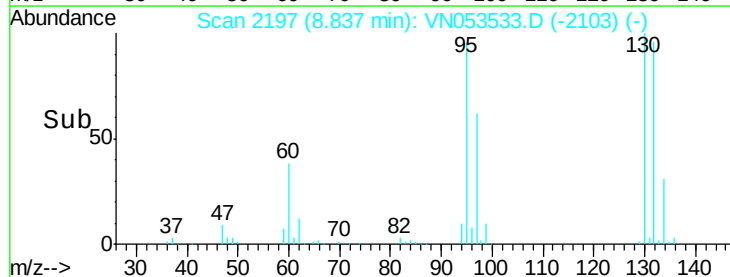
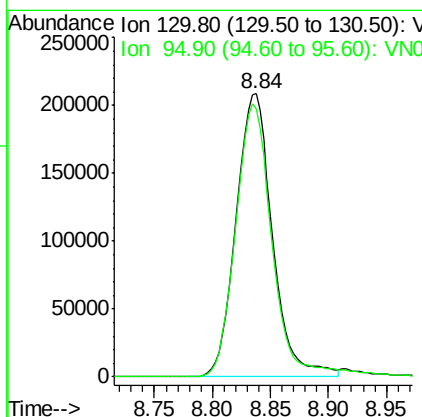
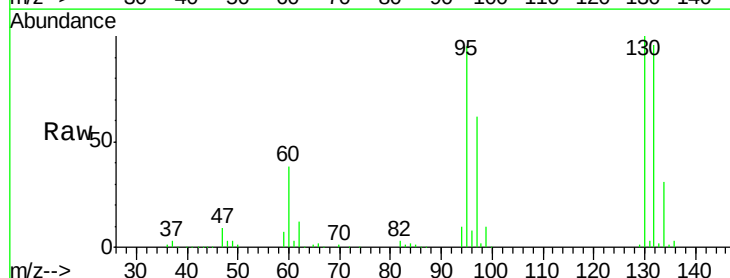
Manual Integrations
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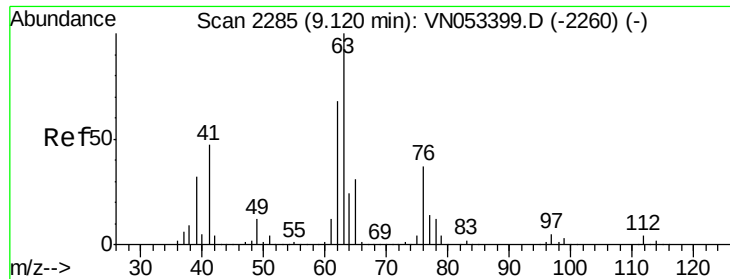
MMDadoda
1/29/2019 9:52:19 AM



#44
Trichloroethene
Concen: 53.103 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	191.4





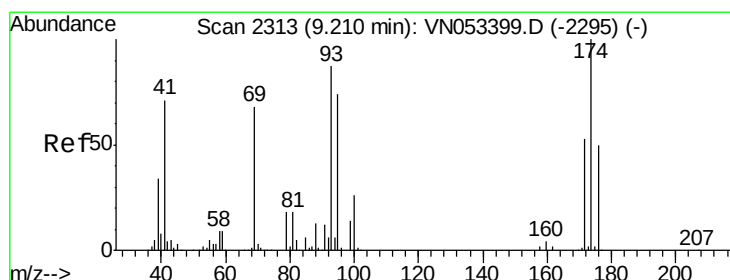
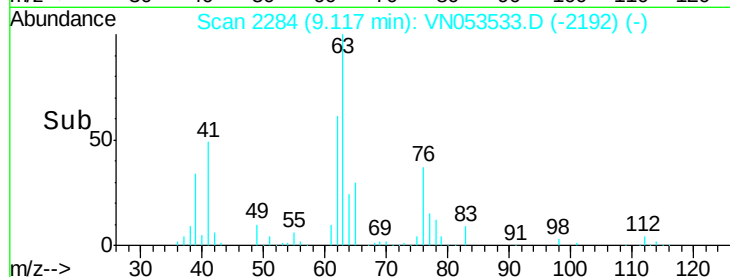
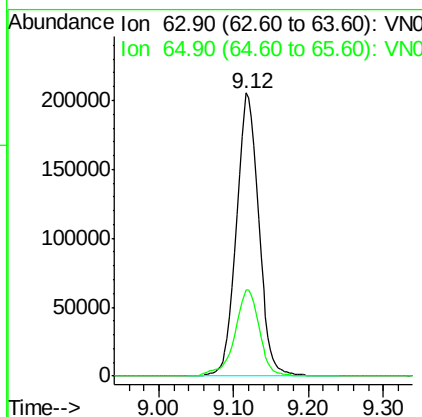
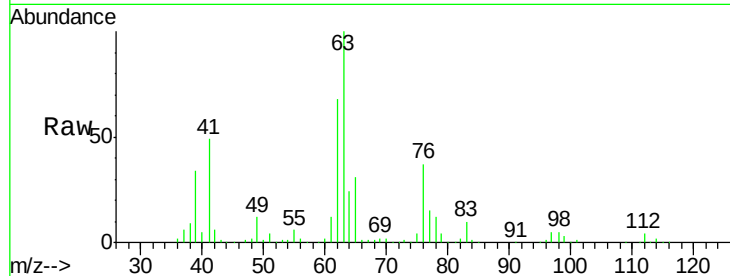
#45
 1,2-Dichloropropane
 Concen: 52.395 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053533.D
 Acq: 28 Jan 2019 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 428808
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.0 37.4

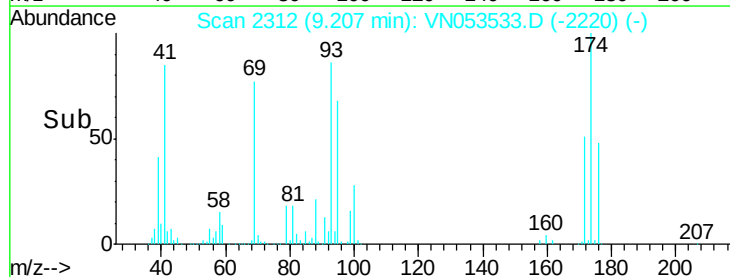
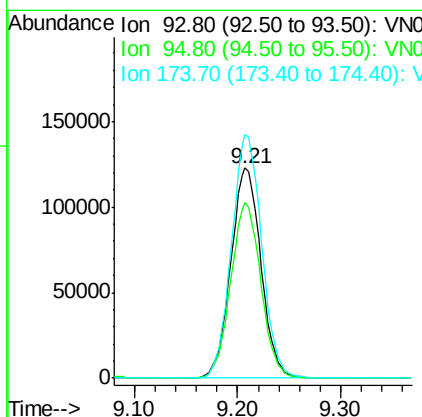
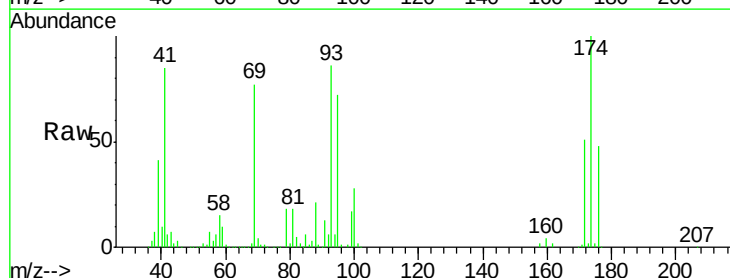
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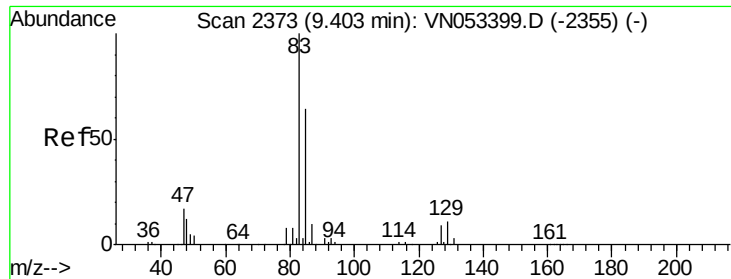
MMDadoda
 1/29/2019 9:52:19 AM



#46
 Dibromomethane
 Concen: 53.266 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053533.D
 Acq: 28 Jan 2019 9:21

Tgt Ion: 93 Resp: 250462
 Ion Ratio Lower Upper
 93 100
 95 83.4 67.3 100.9
 174 115.9 91.0 136.4





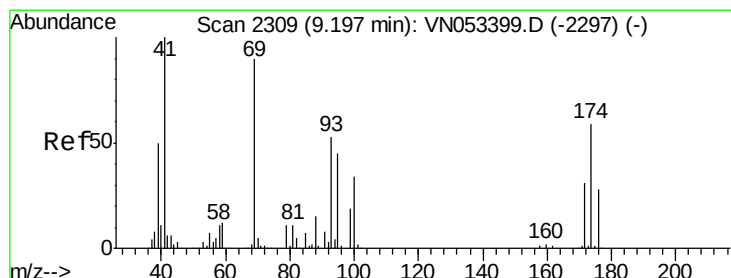
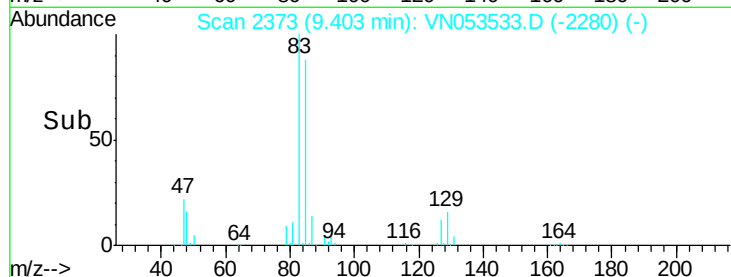
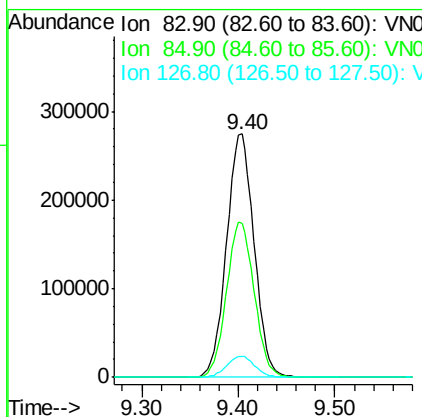
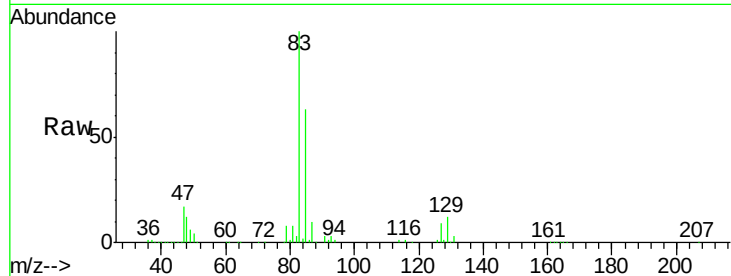
#47
Bromodichloromethane
Concen: 54.939 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.0	76.6
127	8.8	7.0	10.6

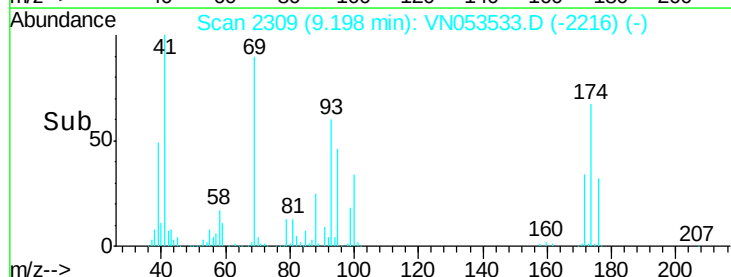
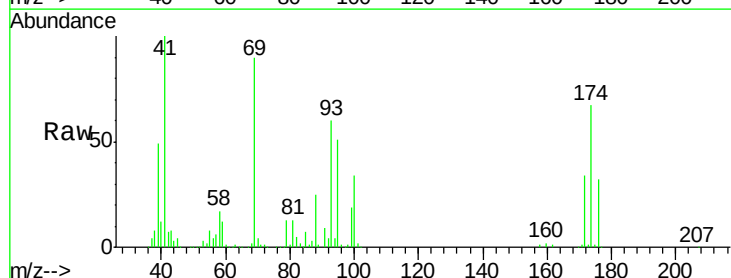
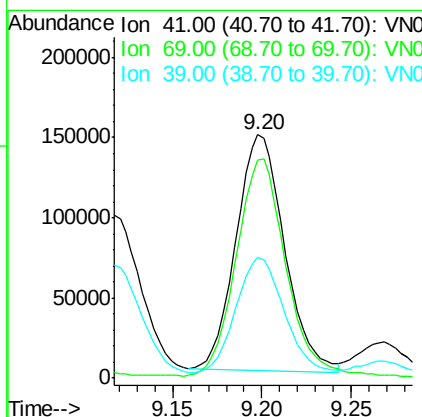
Manual Integrations
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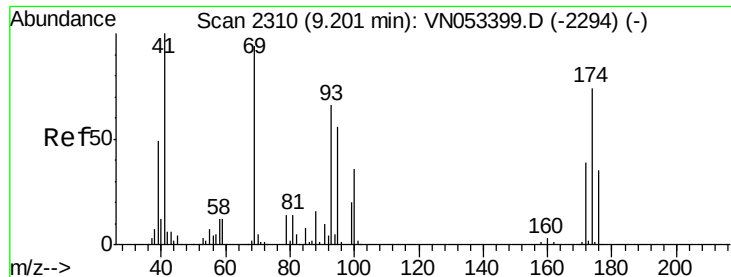
MMDadoda
1/29/2019 9:52:19 AM



#48
Methyl methacrylate
Concen: 51.263 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

Tgt Ion	Ratio	Lower	Upper
41	100		
69	97.7	73.8	110.6
39	54.1	40.0	60.0





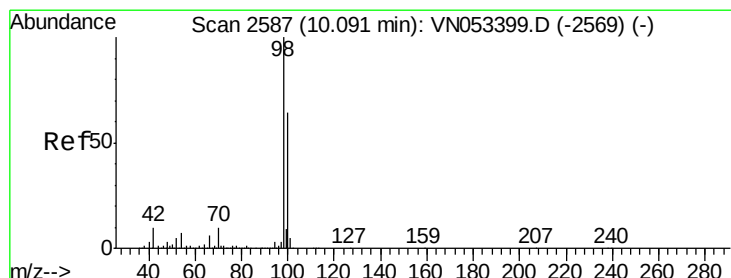
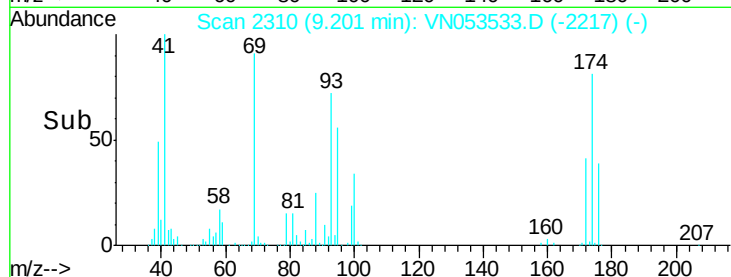
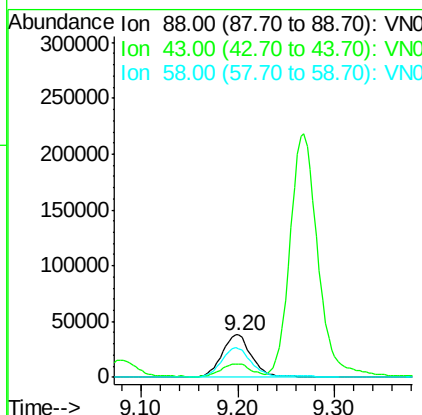
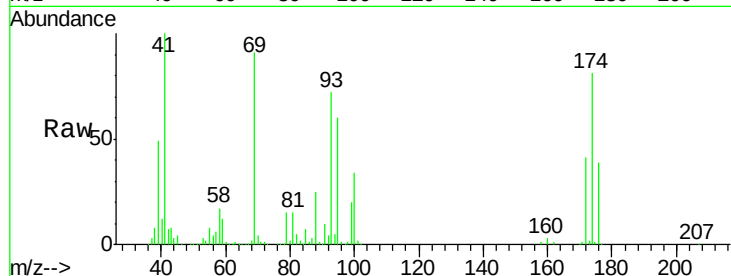
#49
1,4-Dioxane
Concen: 1552.806 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.9	27.8	41.6
58	68.5	56.5	84.7

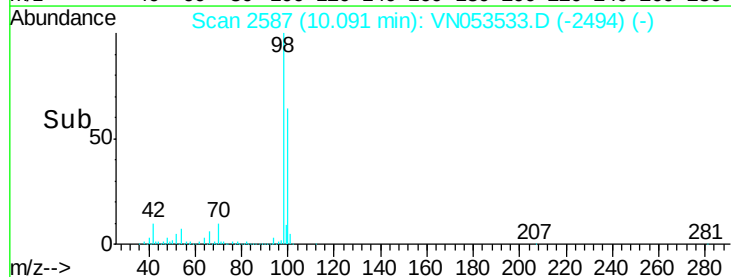
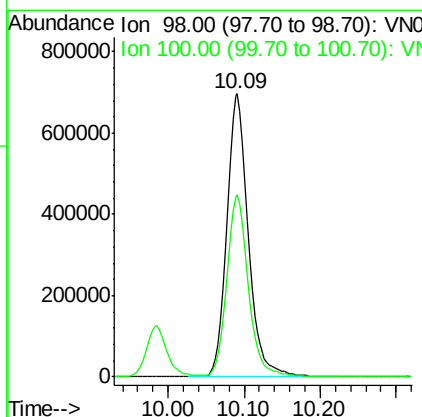
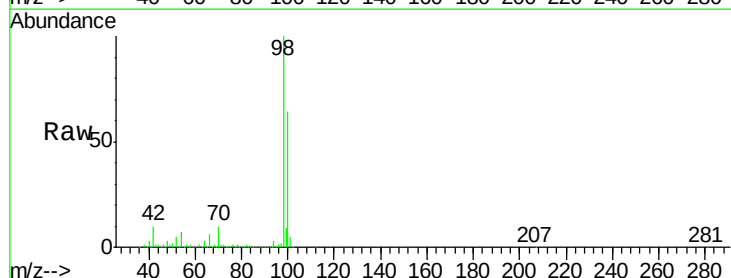
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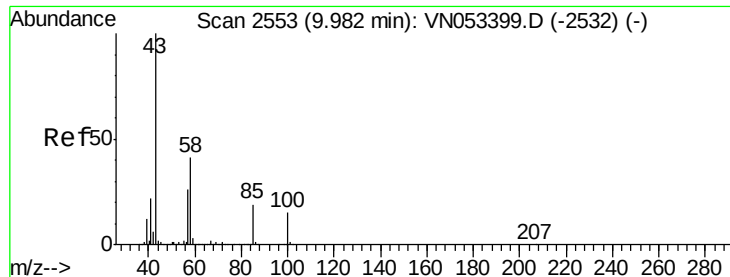
MMDadoda
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#50
Toluene-d8
Concen: 1552.806 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 273.289 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1569283

Ion Ratio Lower Upper

43 100

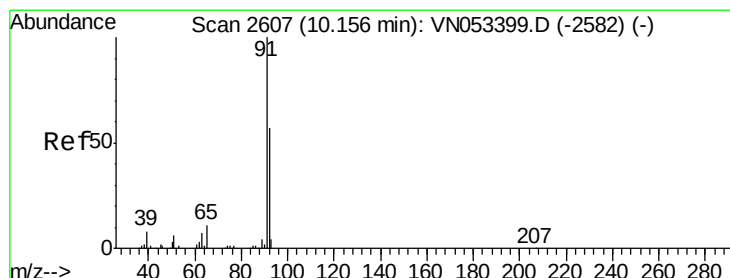
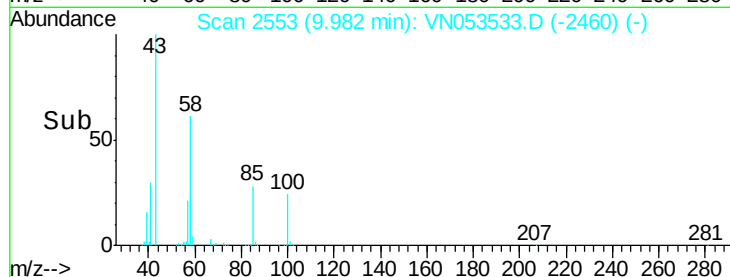
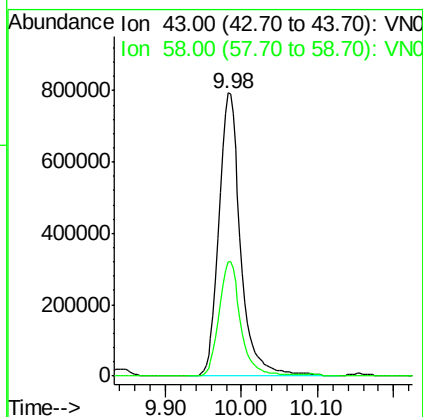
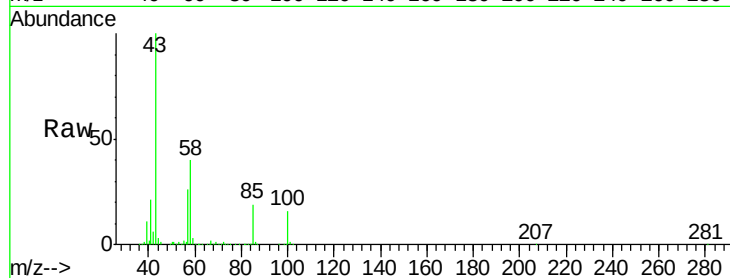
58 40.2 32.8 49.2

Manual Integrations

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#52

Toluene

Concen: 52.314 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053533.D

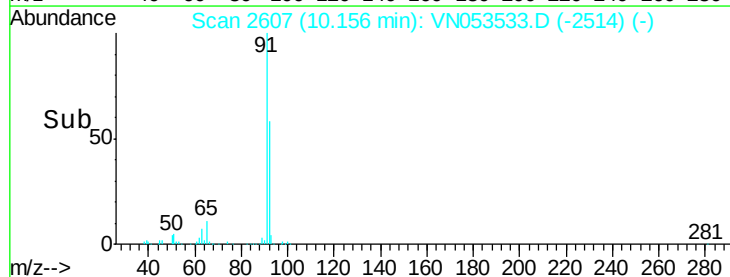
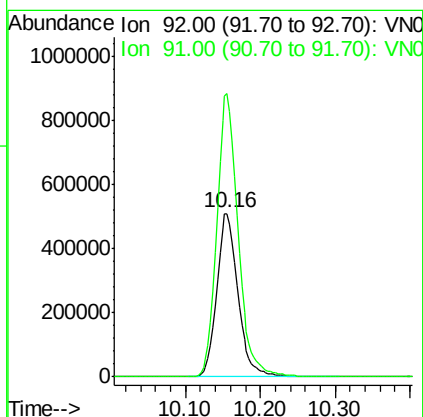
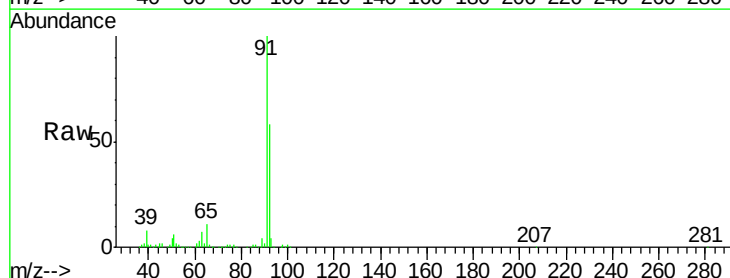
Acq: 28 Jan 2019 9:21

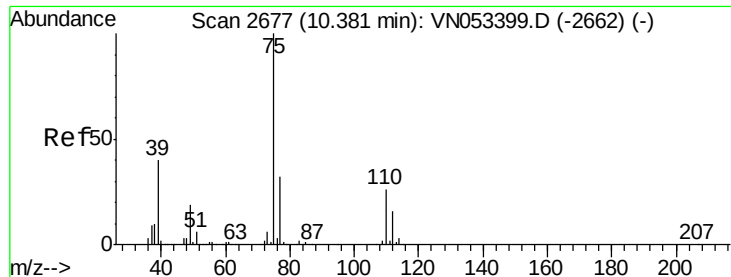
Tgt Ion: 92 Resp: 1003518

Ion Ratio Lower Upper

92 100

91 174.0 139.9 209.9





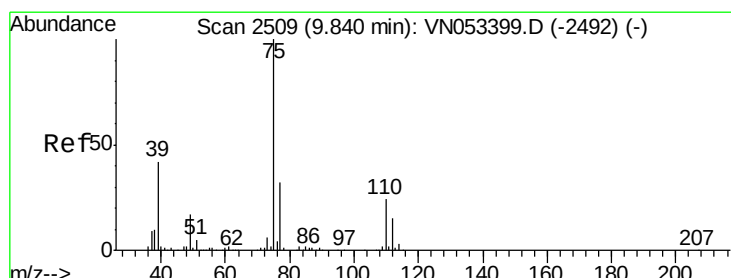
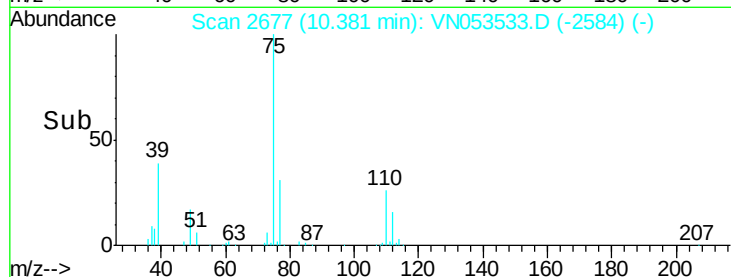
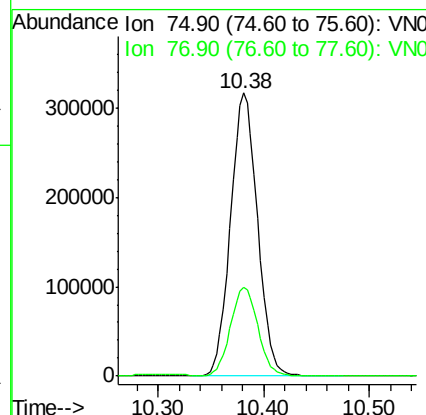
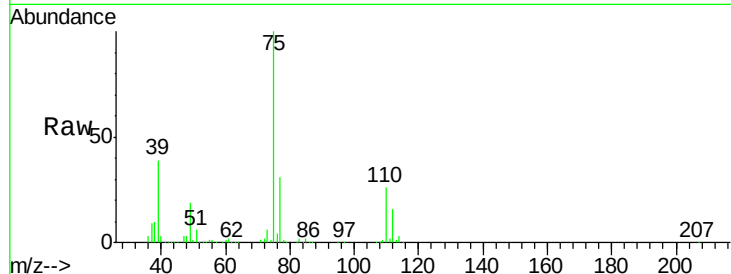
#53
t-1,3-Dichloropropene
Concen: 55.872 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.5	38.3

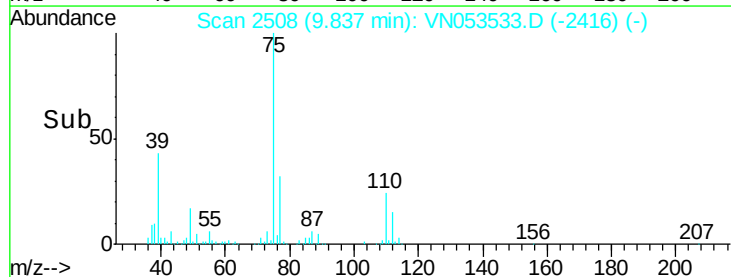
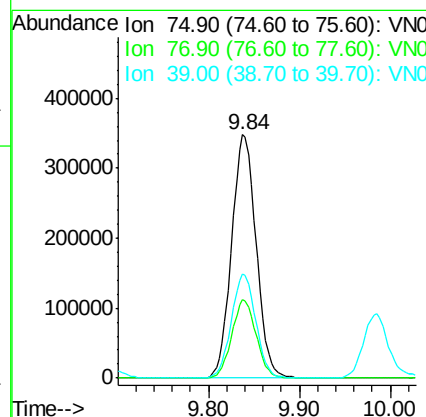
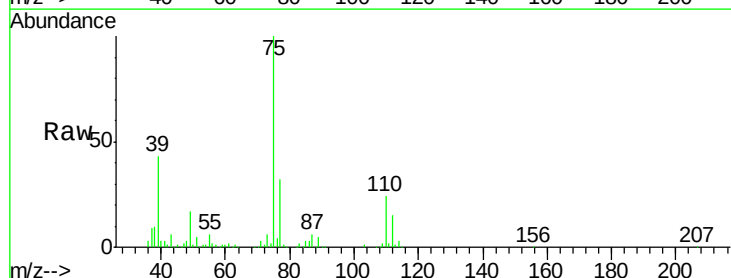
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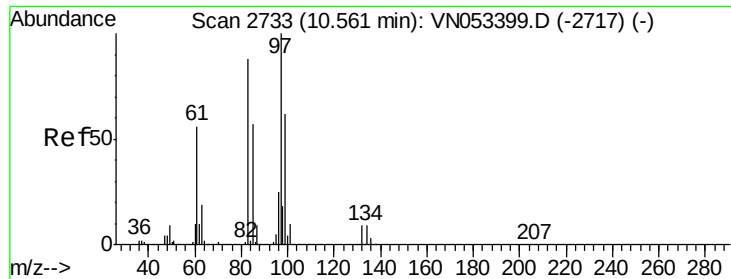
MMDadoda
1/29/2019 9:52:19 AM



#54
cis-1,3-Dichloropropene
Concen: 55.626 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.8	38.6
39	42.6	33.4	50.0





#55

1,1,2-Trichloroethane

Concen: 55.135 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

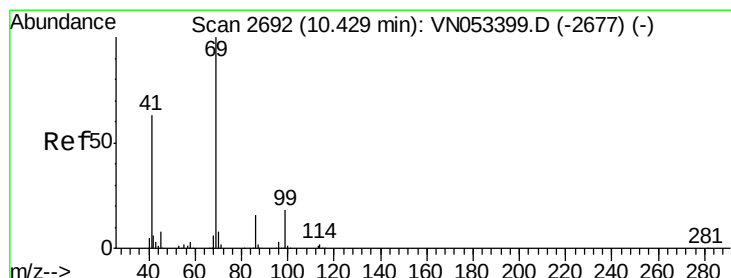
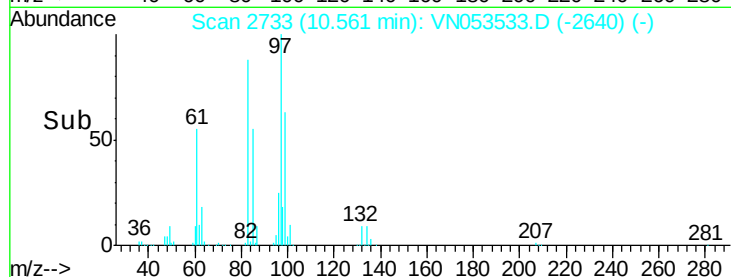
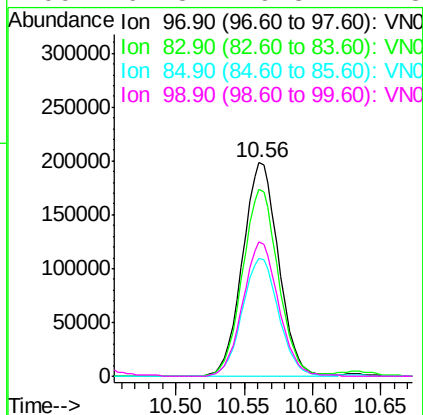
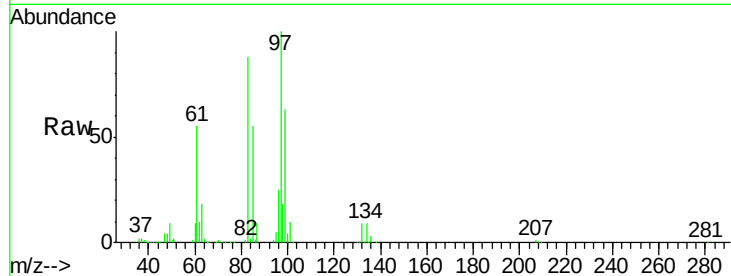
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	364633
Ion	Ratio	Lower	Upper
97	100		
83	87.6	70.1	105.1
85	55.1	45.4	68.0
99	62.8	49.8	74.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 49.115 ug/l

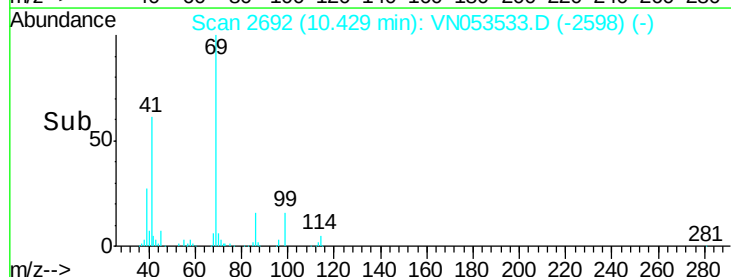
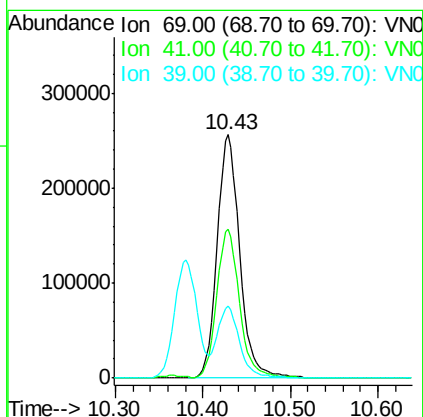
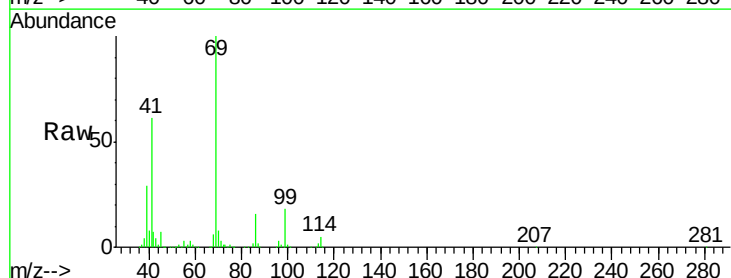
RT: 10.43 min Scan# 2692

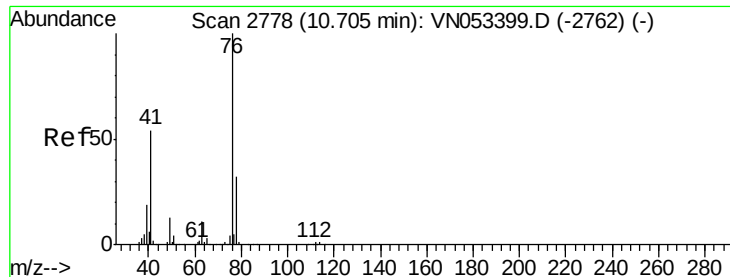
Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Tgt Ion:	69	Resp:	460621
Ion	Ratio	Lower	Upper
69	100		
41	61.5	49.4	74.0
39	29.1	23.3	34.9





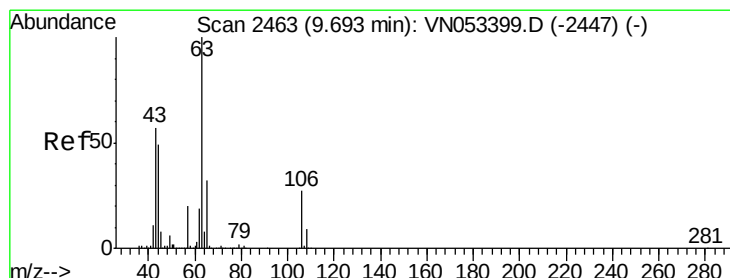
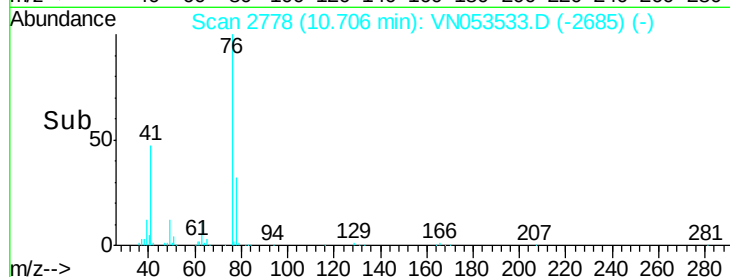
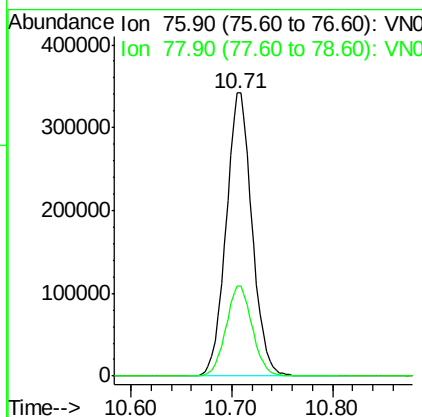
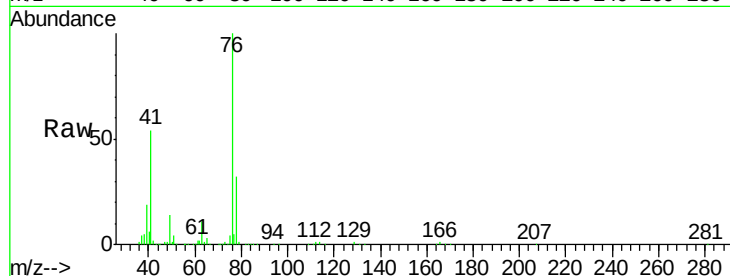
#57
 1,3-Dichloropropane
 Concen: 53.586 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN053533.D
 Acq: 28 Jan 2019 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.6	38.4

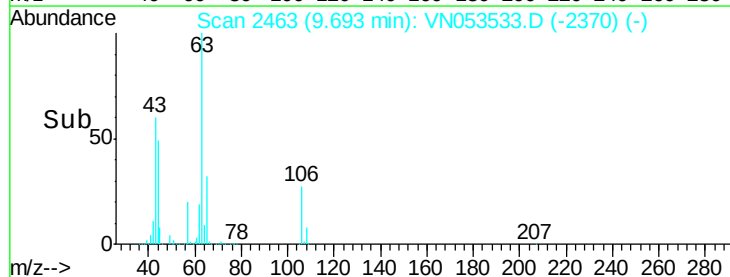
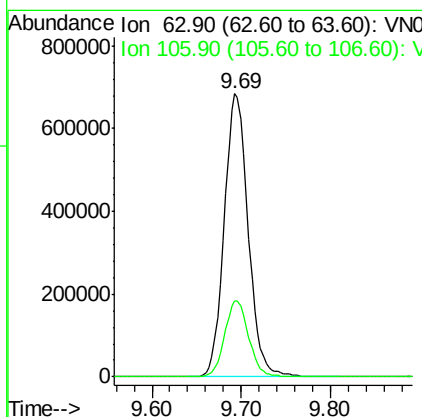
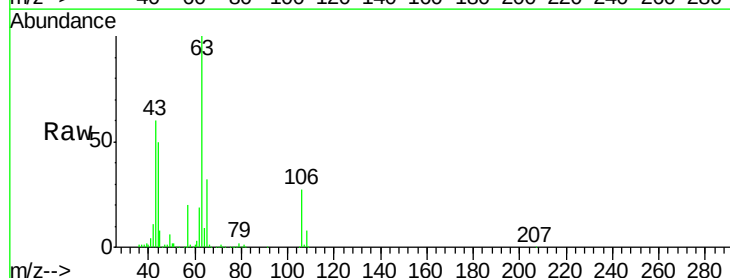
Manual Integrations
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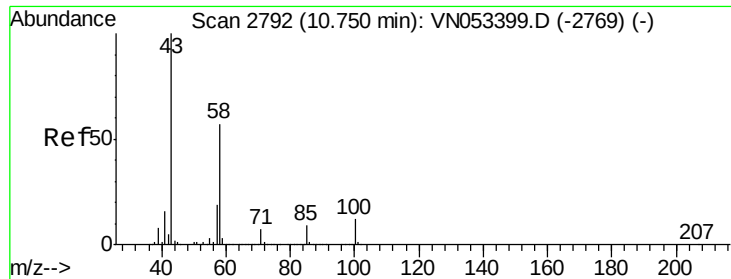
MMDadoda
 1/29/2019 9:52:19 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 274.775 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN053533.D
 Acq: 28 Jan 2019 9:21

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.0	21.5	32.3





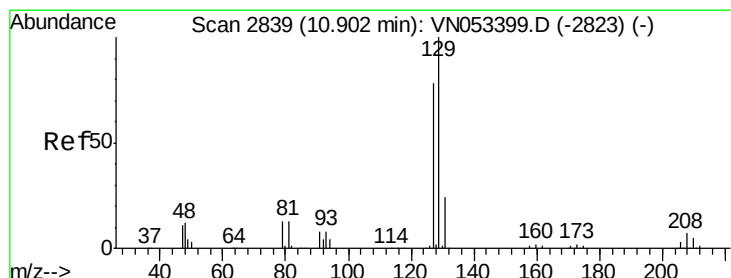
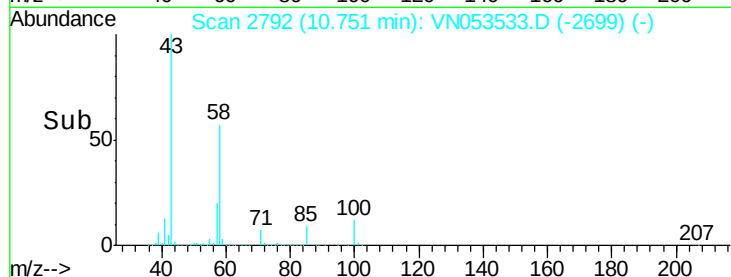
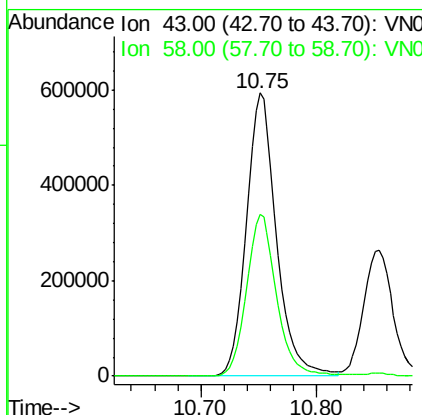
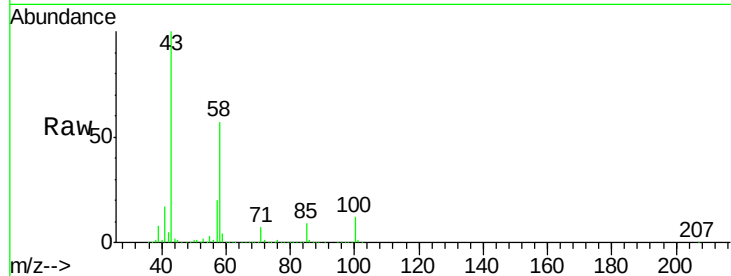
#59
2-Hexanone
Concen: 265.104 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1068627
Ion Ratio Lower Upper
43 100
58 57.3 28.6 85.8

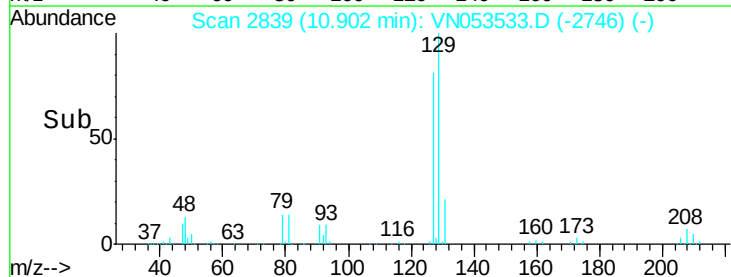
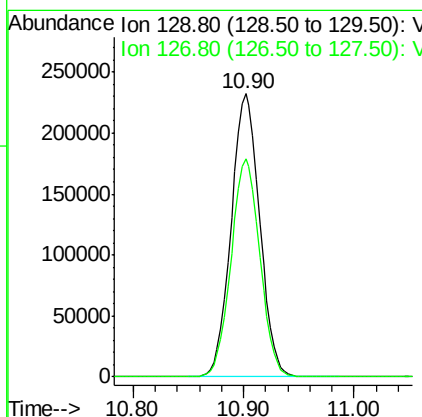
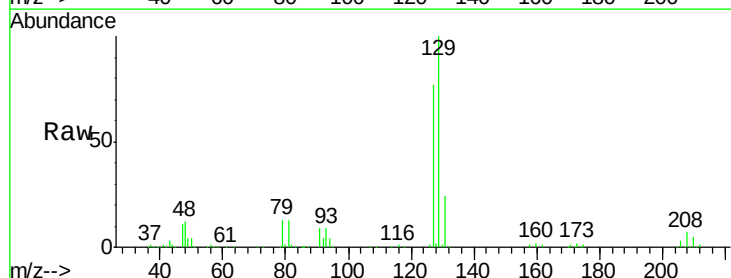
Manual Integrations
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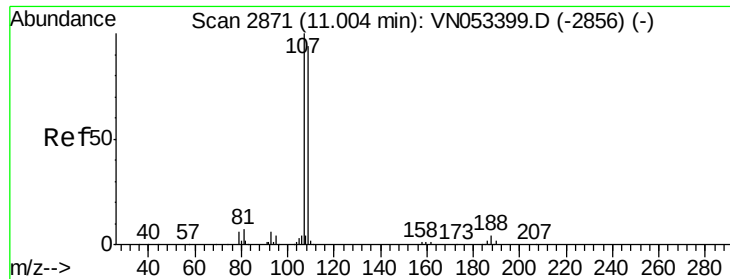
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#60
Dibromochloromethane
Concen: 55.599 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

Tgt Ion: 129 Resp: 417052
Ion Ratio Lower Upper
129 100
127 77.5 38.6 115.8





#61

1,2-Dibromoethane

Concen: 53.480 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 357708

Ion Ratio Lower Upper

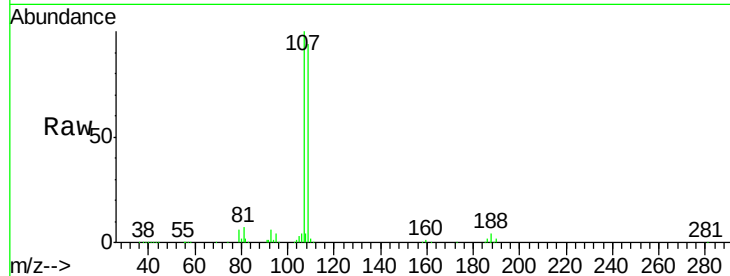
107 100

109 94.0 75.7 113.5

Manual Integrations
APPROVED

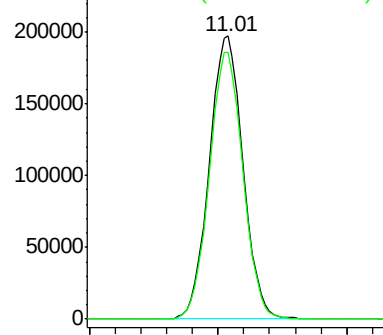
MMDadoda

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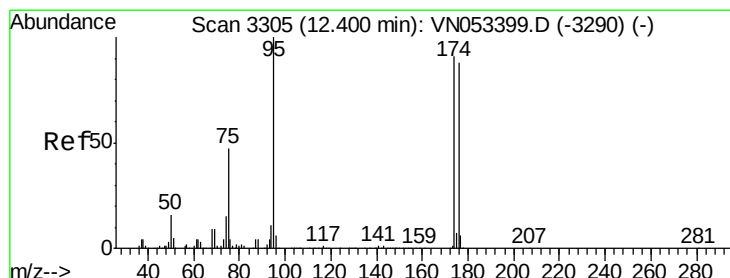
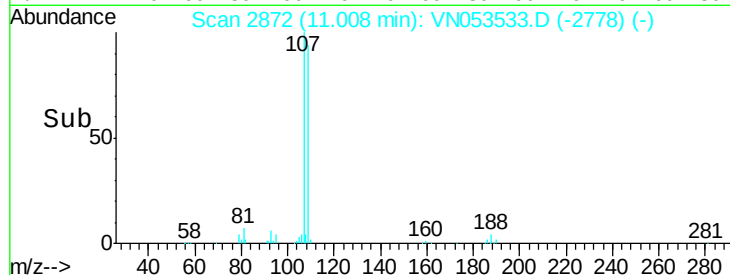


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 53.480 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

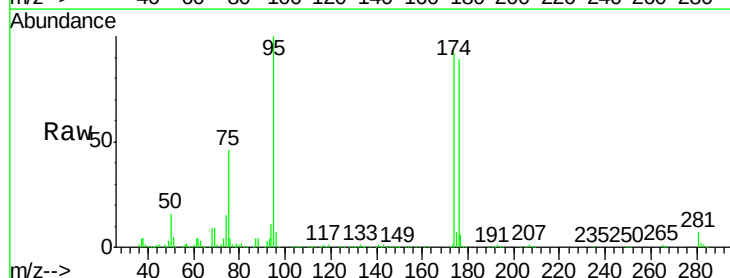
Tgt Ion: 95 Resp: 487081

Ion Ratio Lower Upper

95 100

174 92.0 0.0 183.2

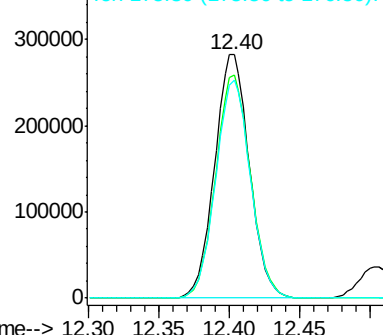
176 89.8 0.0 177.4



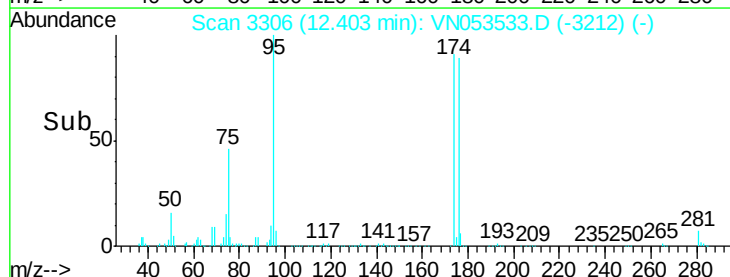
Abundance Ion 94.90 (94.60 to 95.60): V

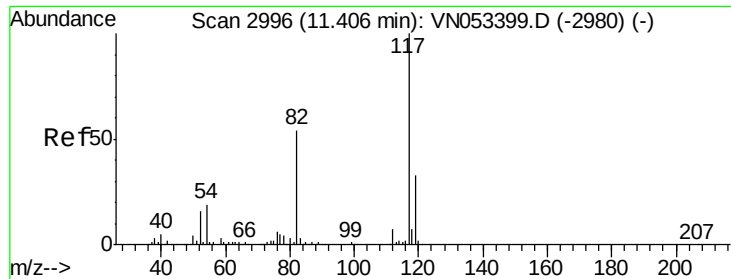
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time--> 12.30 12.35 12.40 12.45





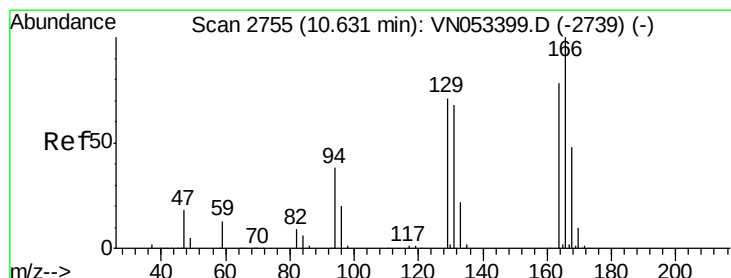
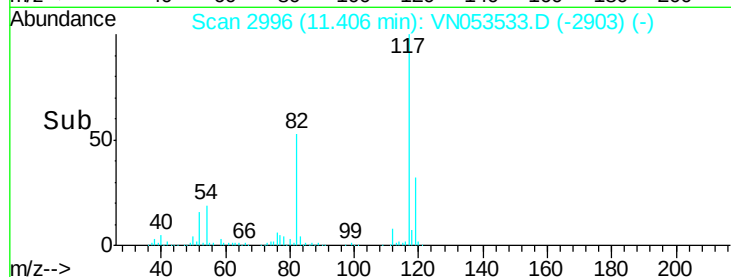
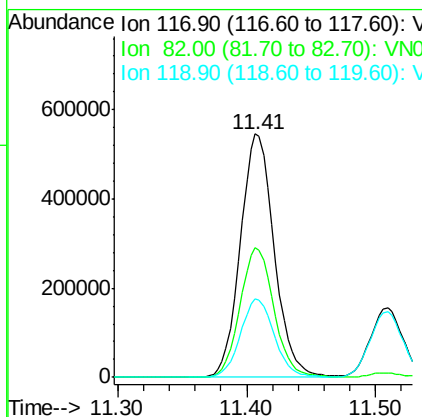
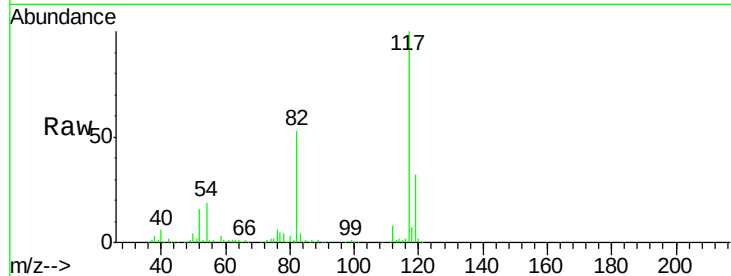
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	999112		
82	53.0	42.9	64.3	
119	32.1	26.0	39.0	

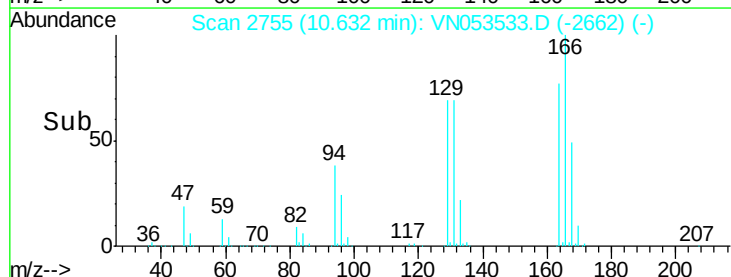
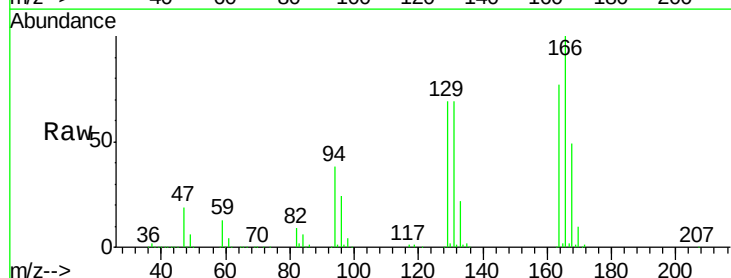
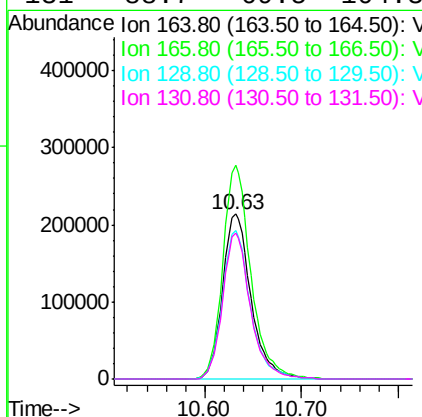
Manual Integrations
APPROVED

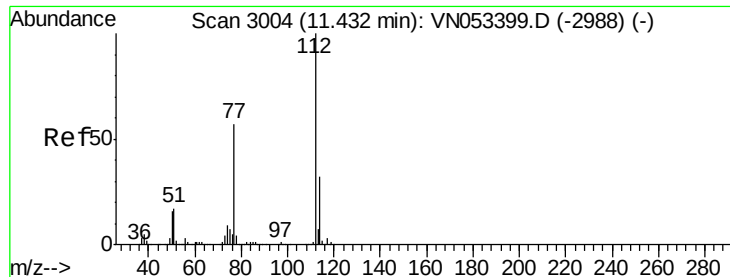
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#64
Tetrachloroethene
Concen: 46.488 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	437714		
166	129.5	102.2	153.4	
129	89.9	72.6	109.0	
131	88.7	69.5	104.3	





#65

Chlorobenzene

Concen: 53.406 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 1129415

Ion Ratio Lower Upper

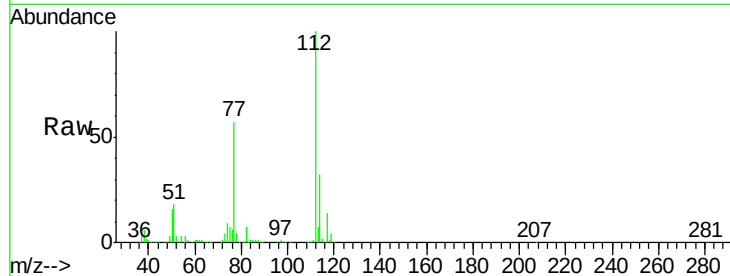
112 100

114 32.3 25.3 37.9

Manual Integrations
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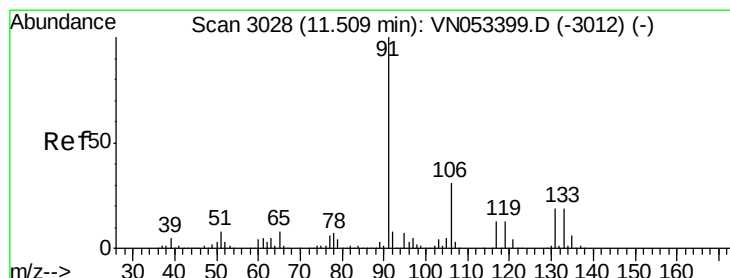
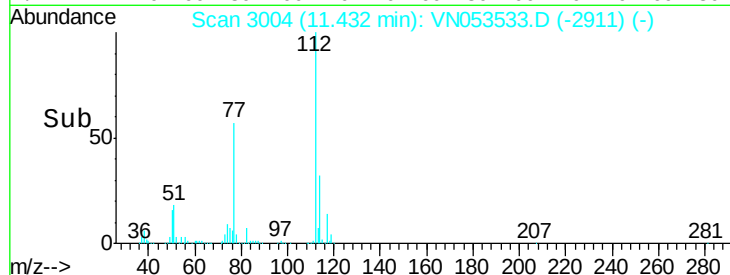
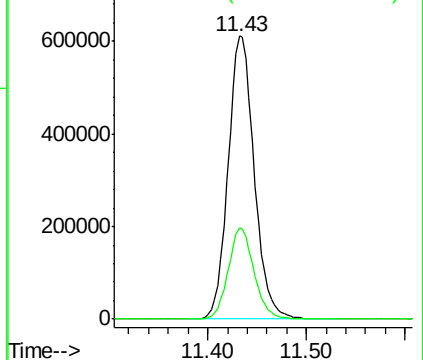
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 54.046 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

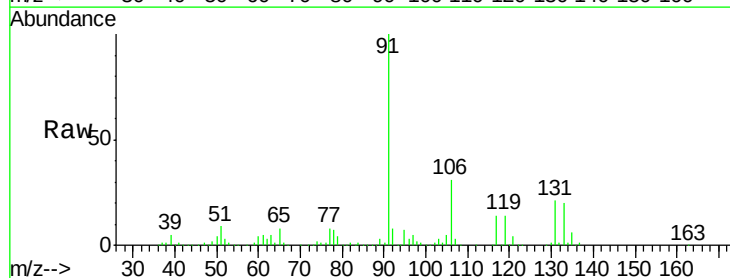
Tgt Ion:131 Resp: 397621

Ion Ratio Lower Upper

131 100

133 95.9 48.0 144.0

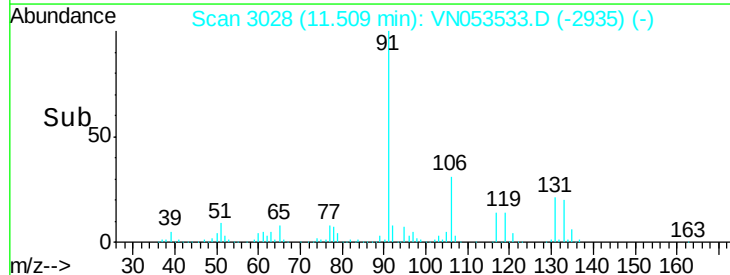
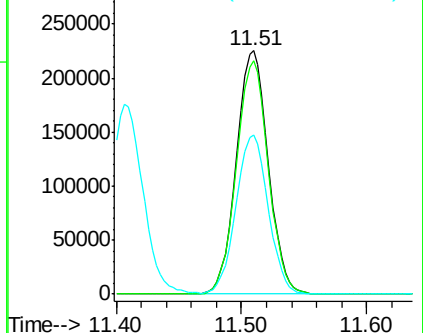
119 66.2 33.5 100.5

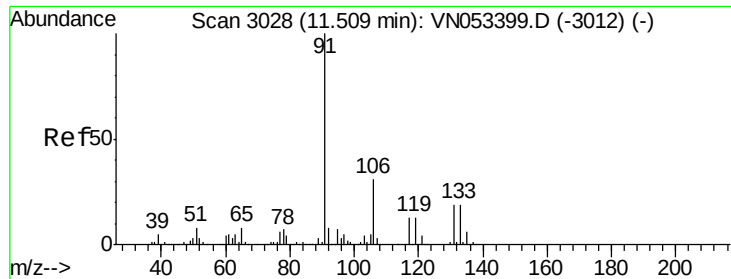


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 52.945 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1908206

Ion Ratio Lower Upper

91 100

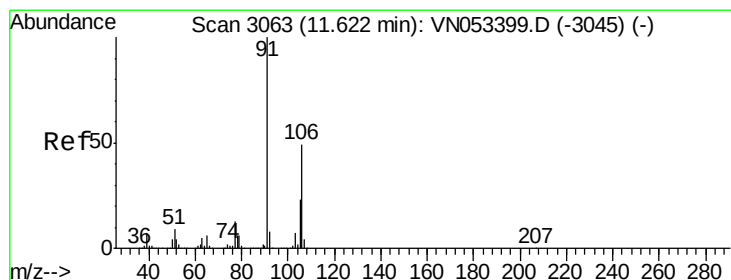
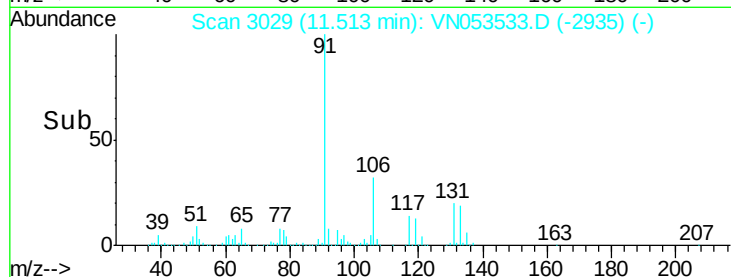
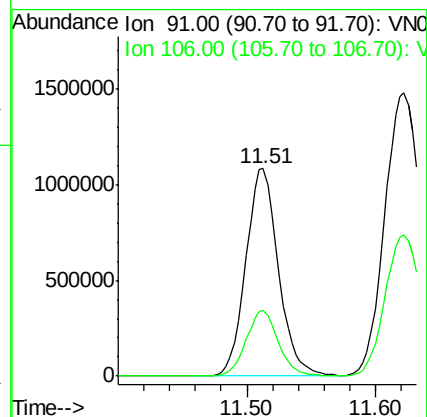
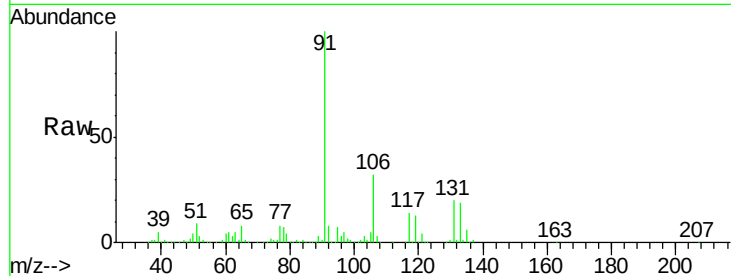
106 31.5 25.0 37.6

Manual Integrations

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#68

m/p-Xylenes

Concen: 108.258 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053533.D

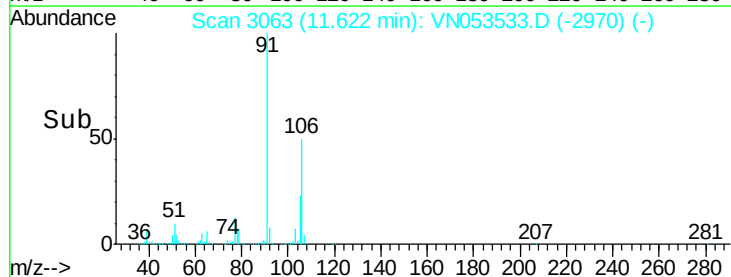
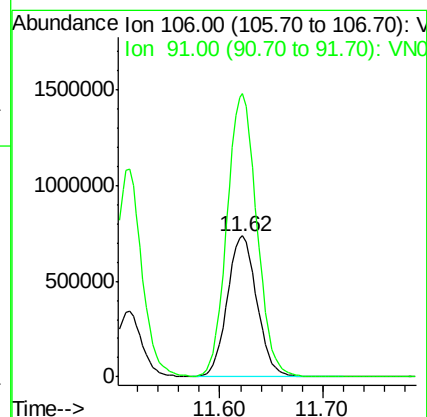
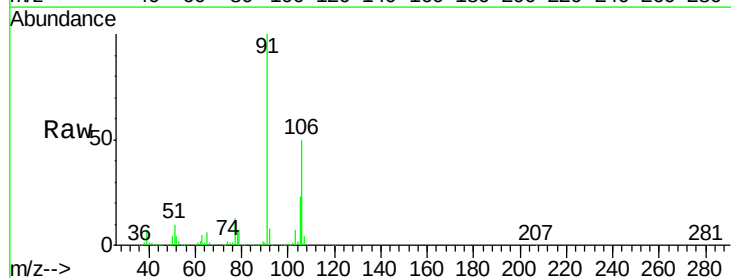
Acq: 28 Jan 2019 9:21

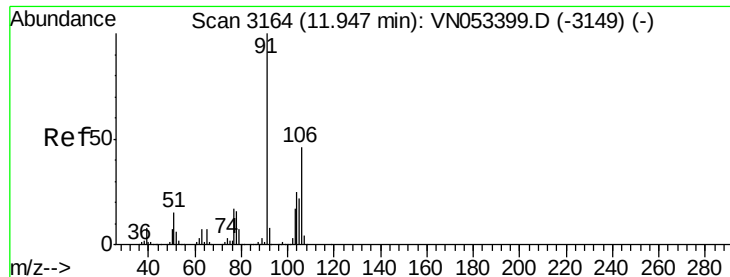
Tgt Ion: 106 Resp: 1473130

Ion Ratio Lower Upper

106 100

91 202.0 161.4 242.2





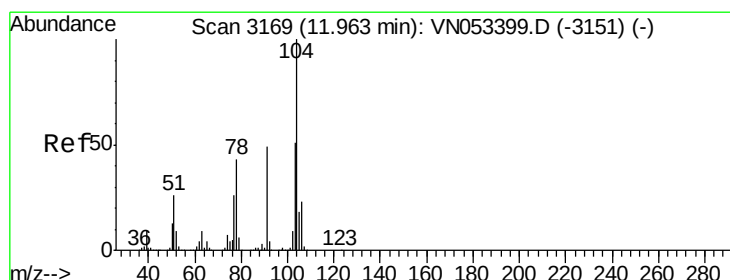
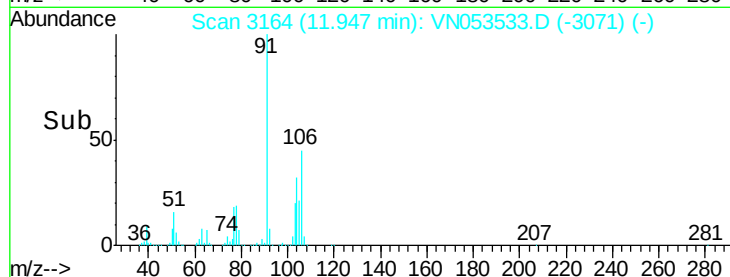
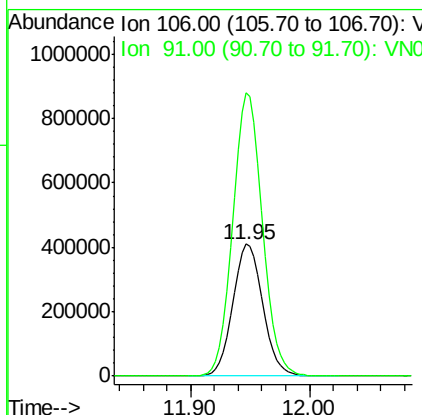
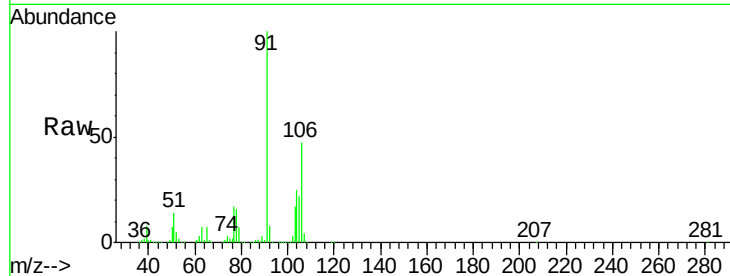
#69
o-Xylene
Concen: 54.015 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 714199
Ion Ratio Lower Upper
106 100
91 212.1 106.9 320.8

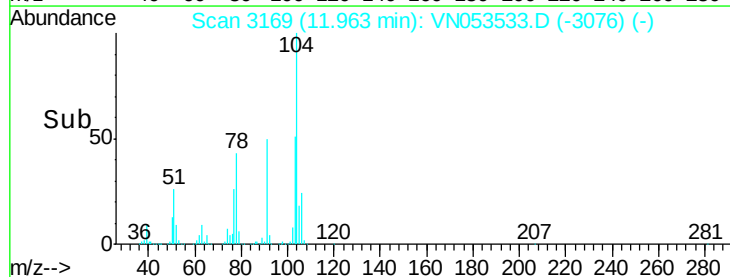
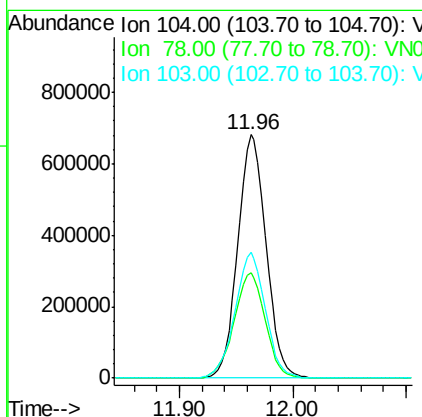
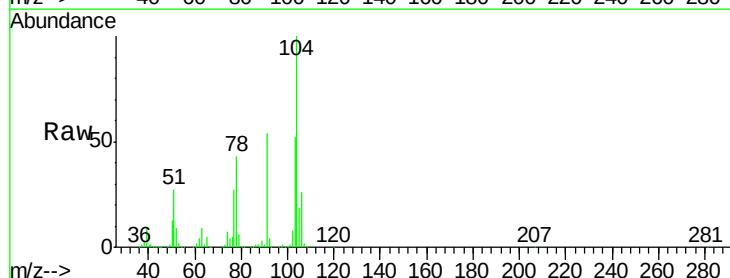
Manual Integrations
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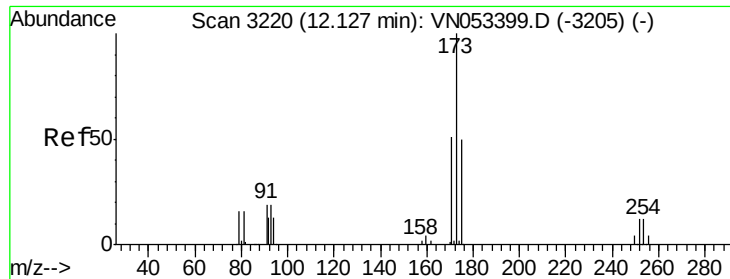
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#70
Styrene
Concen: 55.471 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

Tgt Ion:104 Resp: 1190372
Ion Ratio Lower Upper
104 100
78 47.4 38.2 57.2
103 55.0 44.4 66.6





#71

Bromoform

Concen: 56.429 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 285807

Ion Ratio Lower Upper

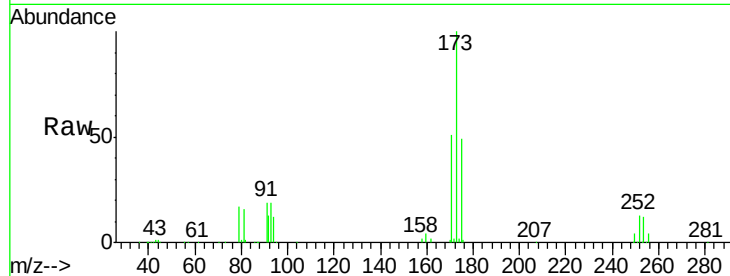
173 100

175 48.9 24.6 74.0

254 0.1 0.2 0.2#

Manual Integrations
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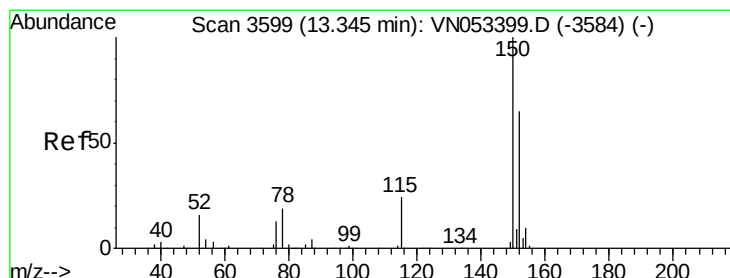
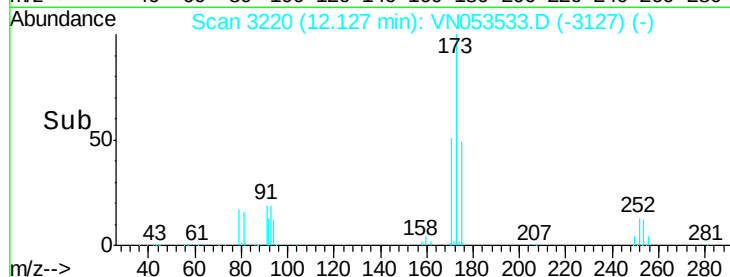
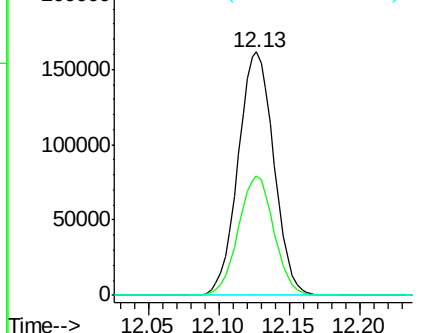
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Abundance Ion 172.70 (172.40 to 173.40): V

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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

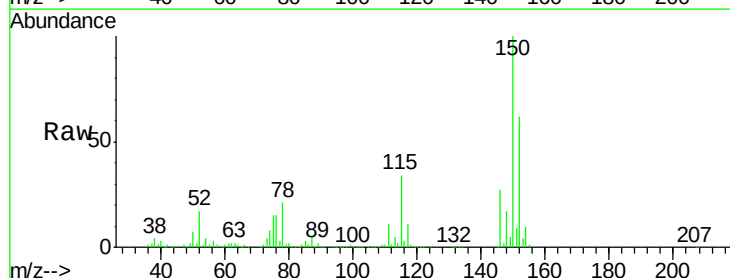
Tgt Ion:152 Resp: 505583

Ion Ratio Lower Upper

152 100

115 55.9 27.8 83.4

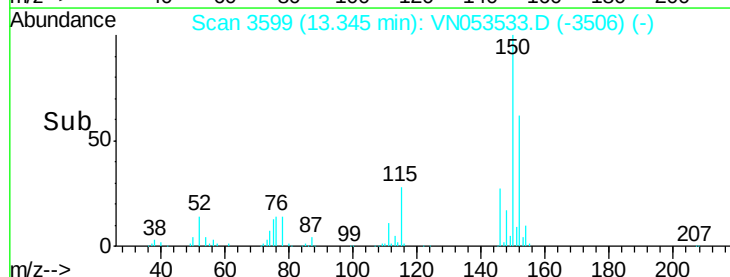
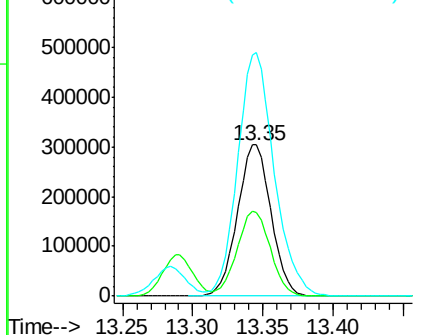
150 175.9 0.0 349.0

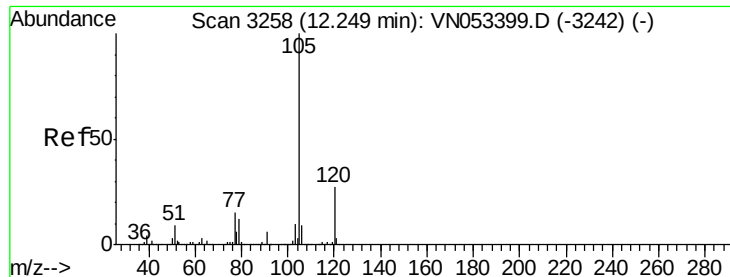


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.295 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 1899169

Ion Ratio Lower Upper

105 100

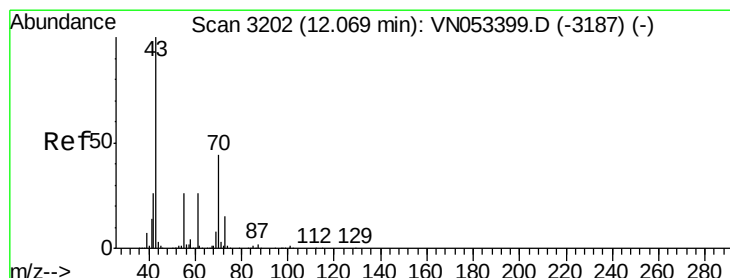
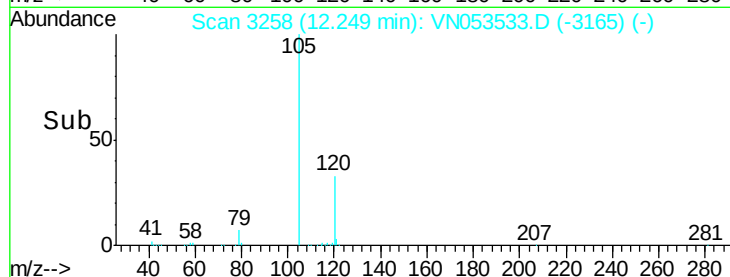
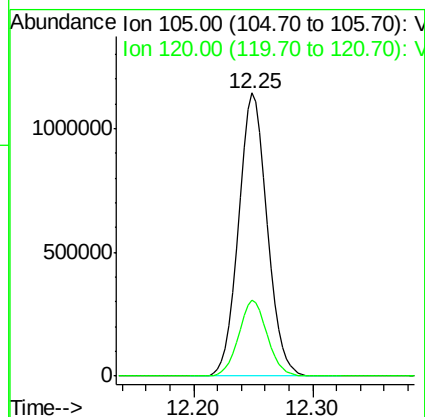
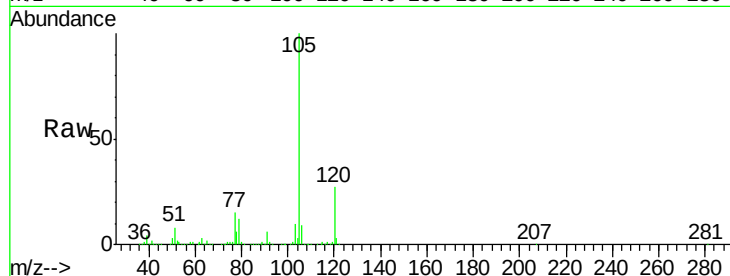
120 26.8 13.6 40.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 49.872 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Tgt Ion: 43 Resp: 492227

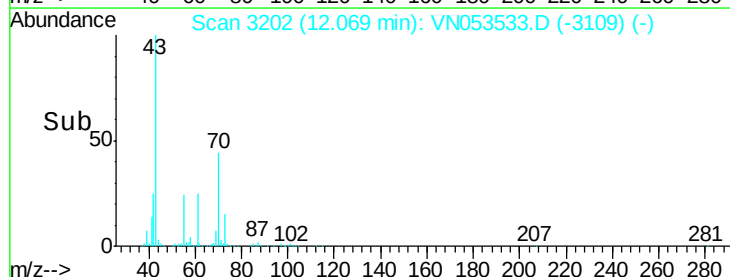
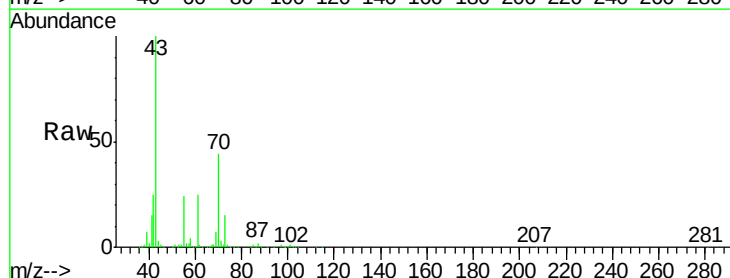
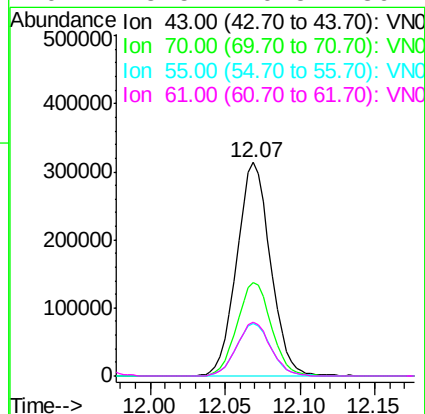
Ion Ratio Lower Upper

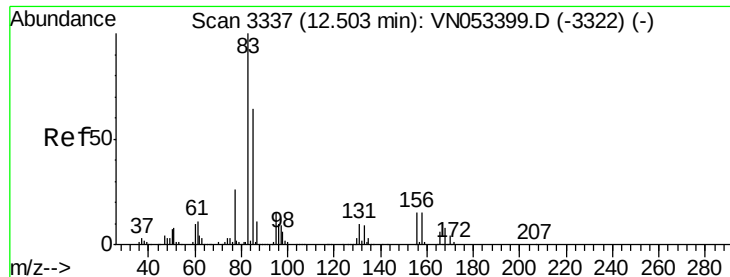
43 100

70 44.7 35.4 53.2

55 25.2 20.9 31.3

61 25.5 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 56.658 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 439948
Ion Ratio Lower Upper

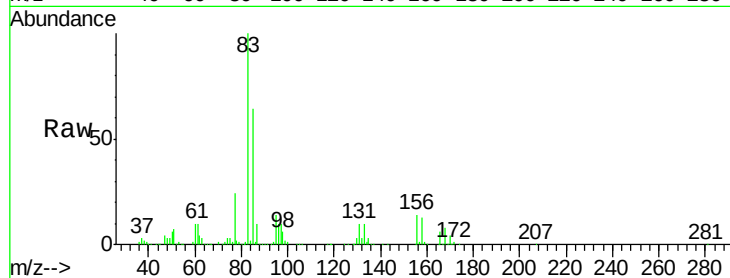
83 100

131 10.4 5.3 15.8

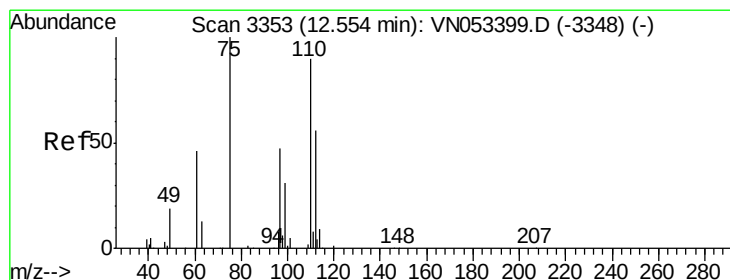
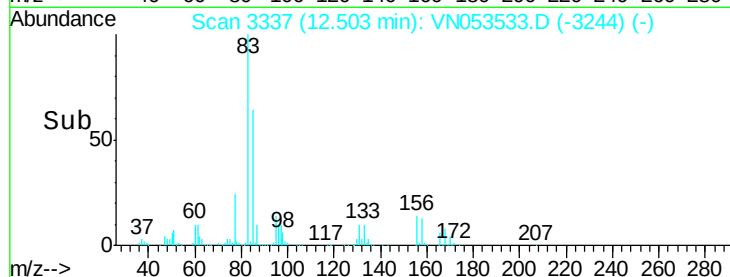
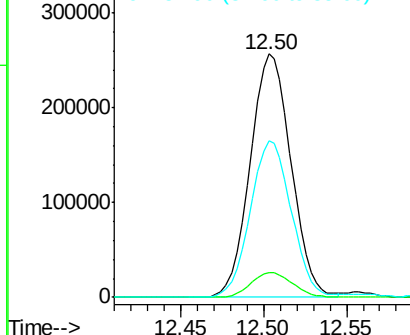
85 64.6 32.1 96.3

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 49.834 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

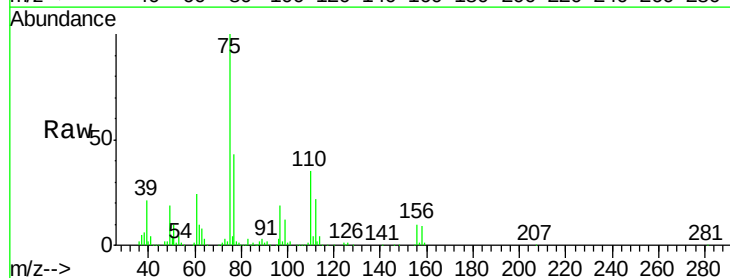
Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

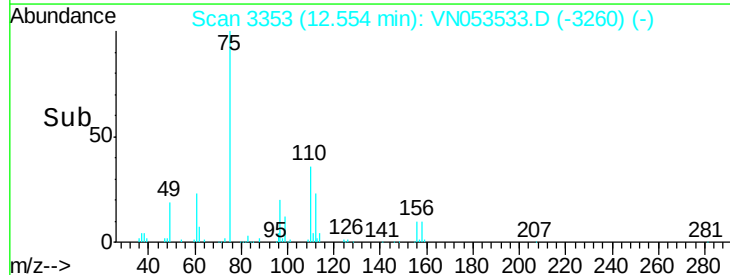
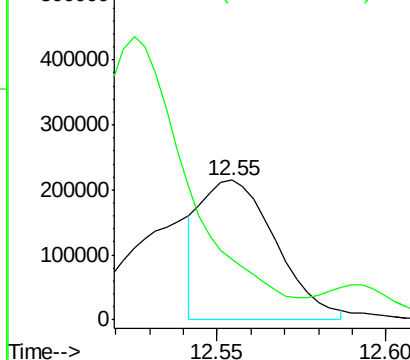
Tgt Ion: 75 Resp: 332027
Ion Ratio Lower Upper

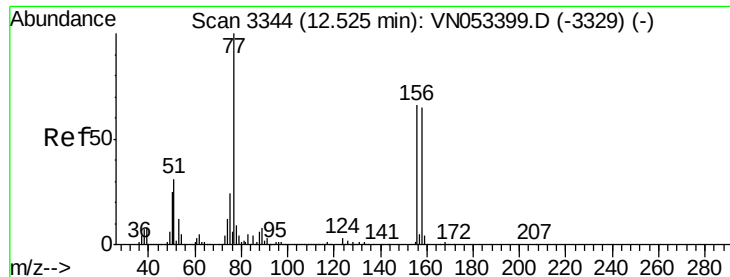
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





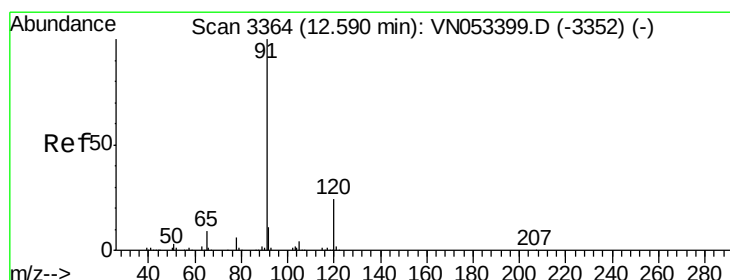
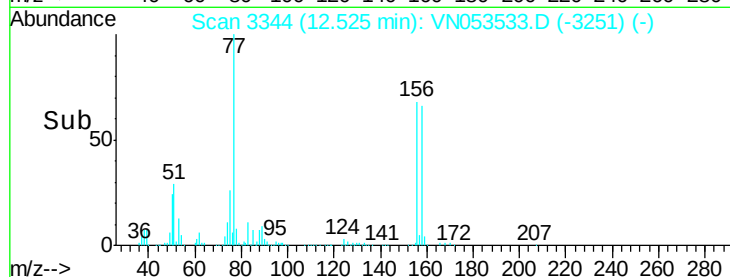
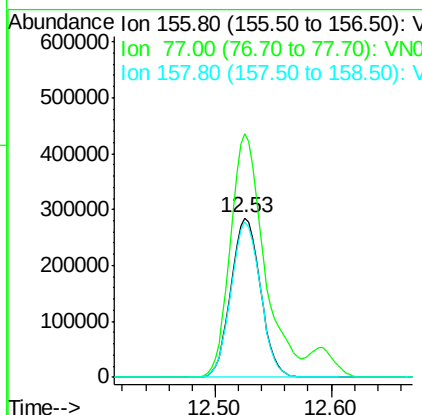
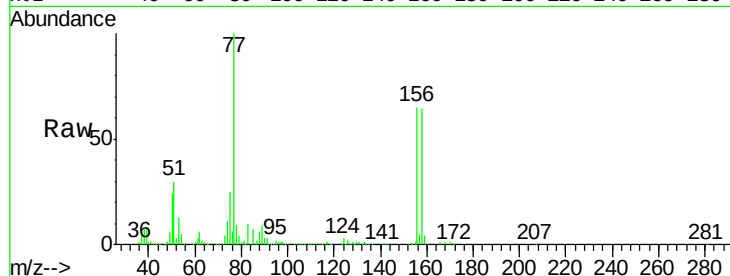
#77
Bromobenzene
Concen: 51.394 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
156	100	501395		
77	174.2		87.9	263.8
158	97.2		48.8	146.4

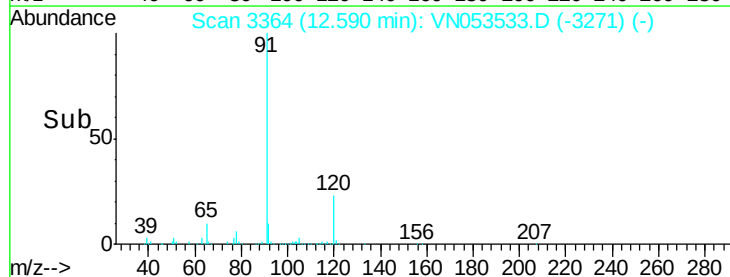
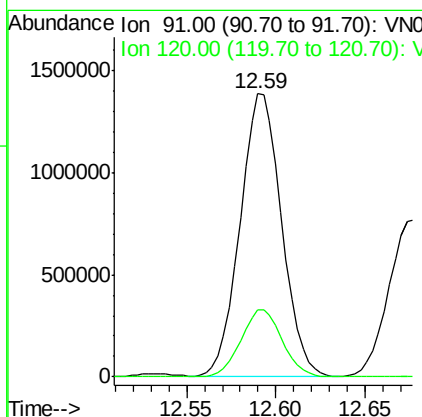
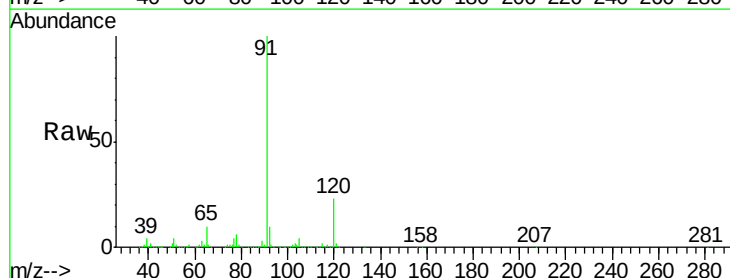
Manual Integrations
APPROVED

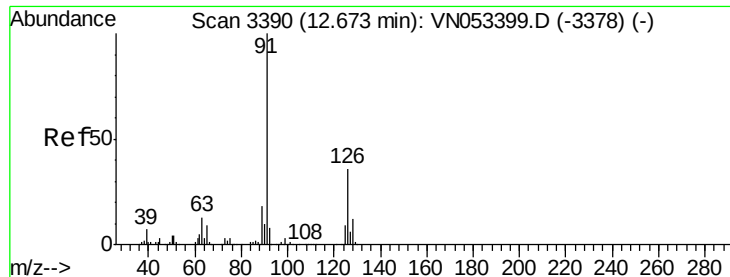
MMDadoda
1/29/2019 9:52:19 AM



#78
n-propylbenzene
Concen: 52.561 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	2233807		
120	23.7		11.9	35.5





#79

2-Chlorotoluene

Concen: 51.362 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1293858

Ion Ratio Lower Upper

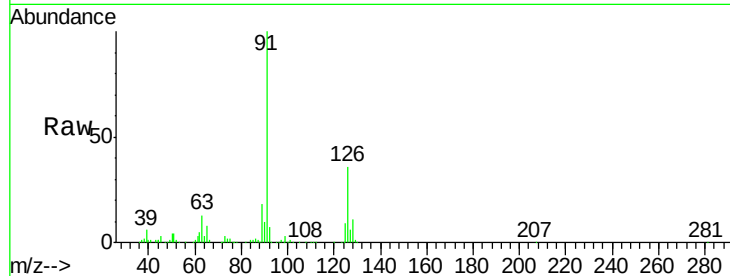
91 100

126 35.7 17.9 53.7

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

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

1200000

1000000

800000

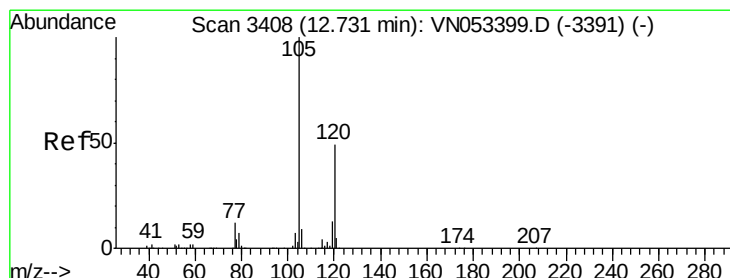
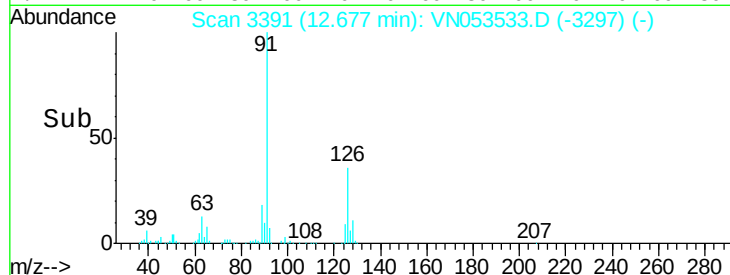
600000

400000

200000

0

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 52.772 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053533.D

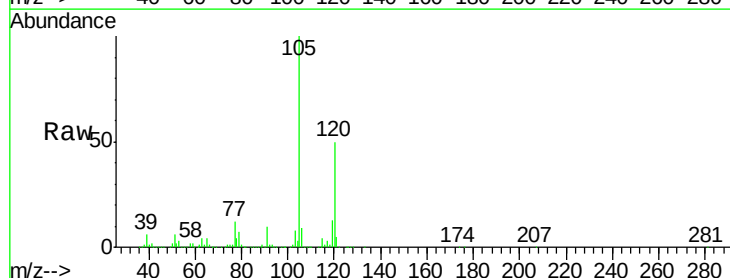
Acq: 28 Jan 2019 9:21

Tgt Ion: 105 Resp: 1589700

Ion Ratio Lower Upper

105 100

120 49.6 24.9 74.6



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

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

1000000

800000

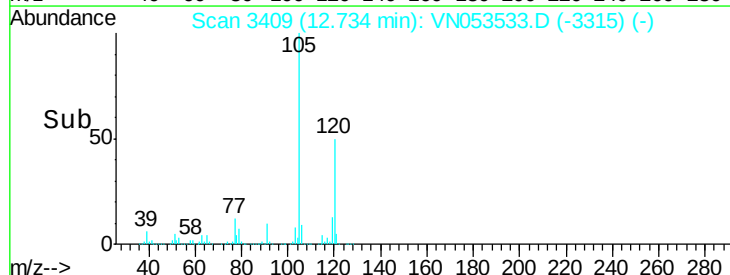
600000

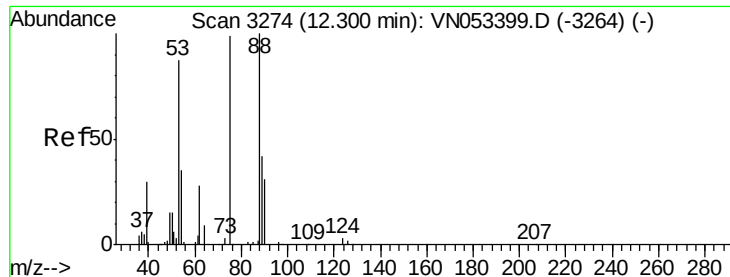
400000

200000

0

Time--> 12.70 12.80





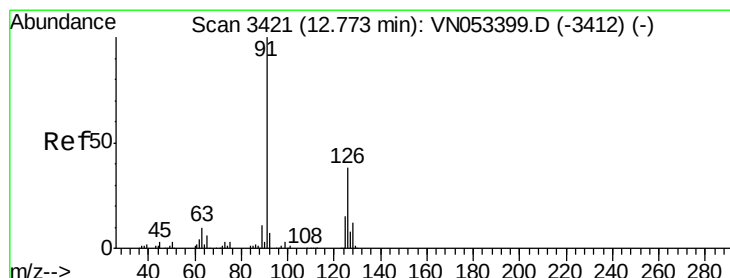
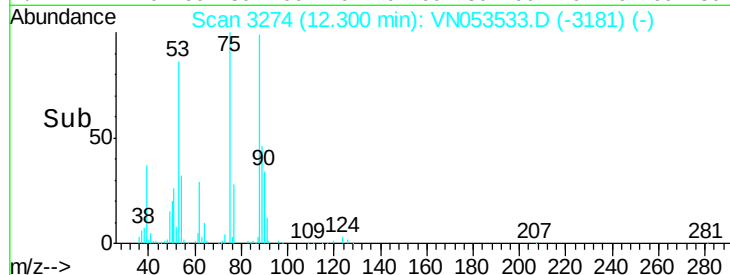
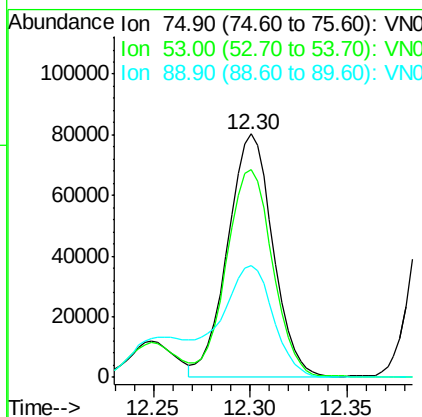
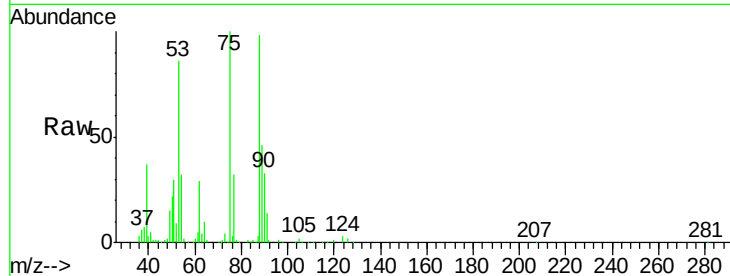
#81
trans-1,4-Dichloro-2-butene
Concen: 49.194 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.8	69.8	104.6
89	51.0	35.6	53.4

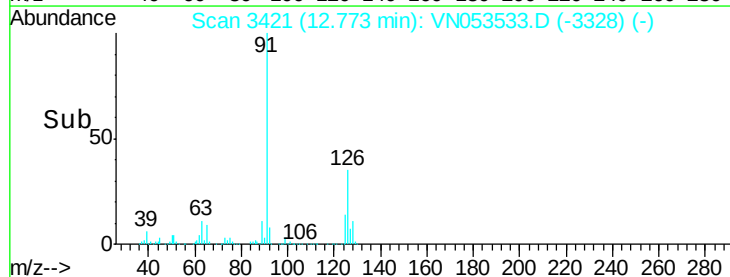
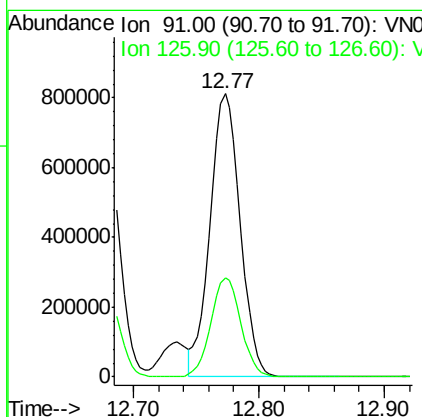
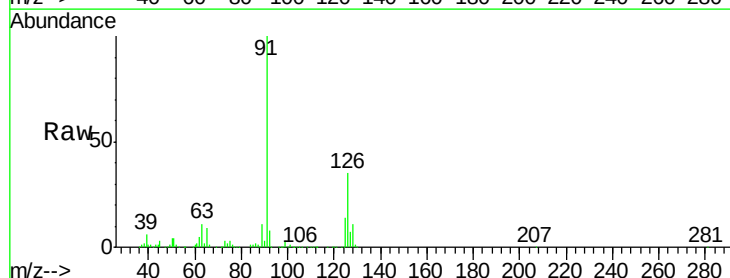
Manual Integrations
APPROVED

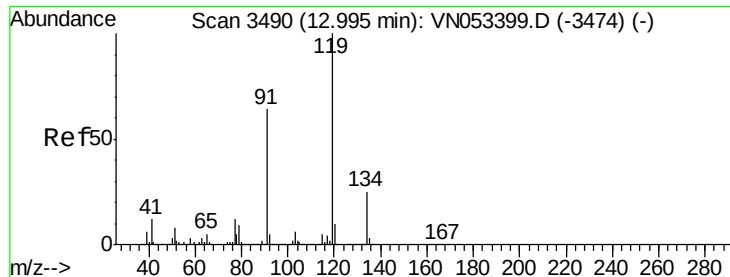
MMDadoda
1/29/2019 9:52:19 AM



#82
4-Chlorotoluene
Concen: 52.545 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053533.D
Acq: 28 Jan 2019 9:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.6	52.9





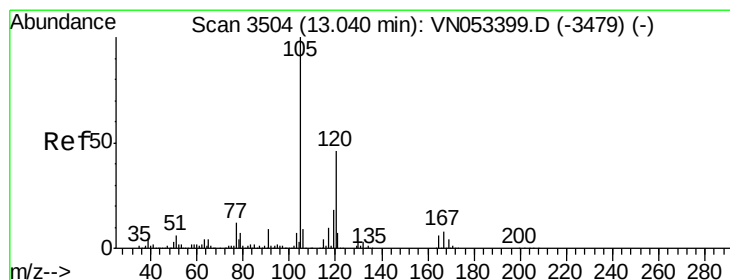
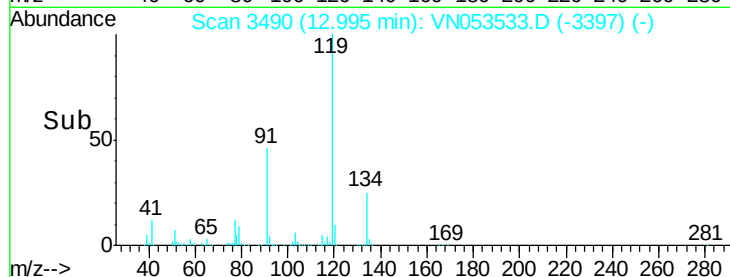
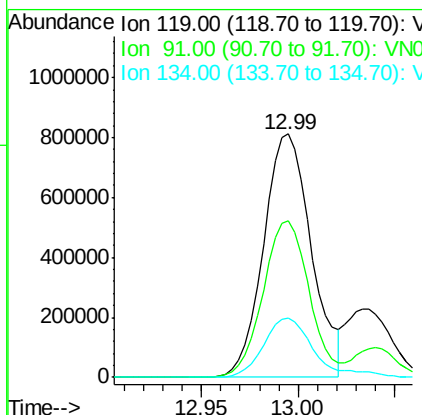
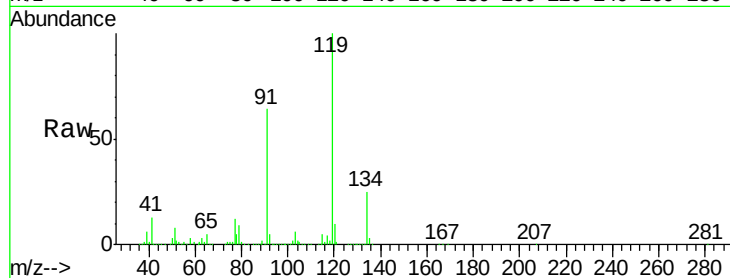
#83
 tert-Butylbenzene
 Concen: 52.420 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053533.D
 Acq: 28 Jan 2019 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 1394683
 Ion Ratio Lower Upper
 119 100
 91 62.4 31.3 93.8
 134 25.8 12.9 38.7

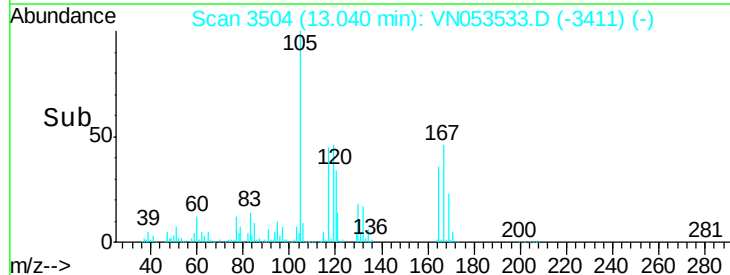
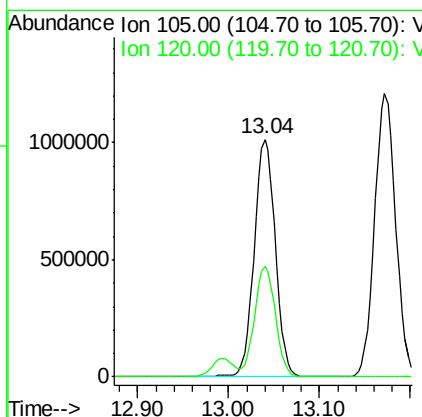
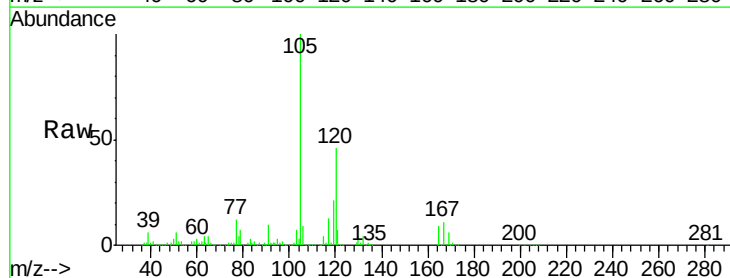
Manual Integrations
 APPROVED

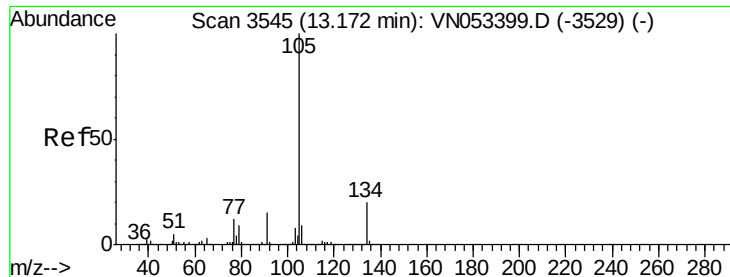
MMDadoda
 1/29/2019 9:52:19 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 53.692 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053533.D
 Acq: 28 Jan 2019 9:21

Tgt Ion:105 Resp: 1630826
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.0 69.0





#85

sec-Butylbenzene

Concen: 53.191 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1940862

Ion Ratio Lower Upper

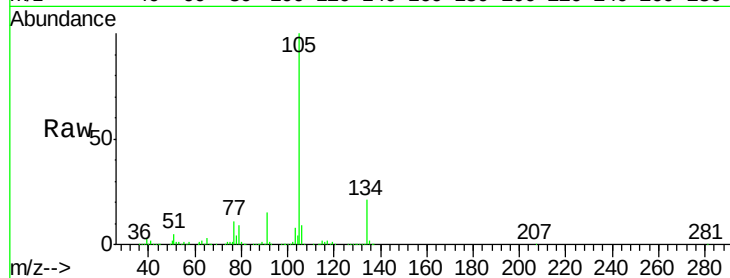
105 100

134 20.7 10.2 30.6

Manual Integrations
APPROVED

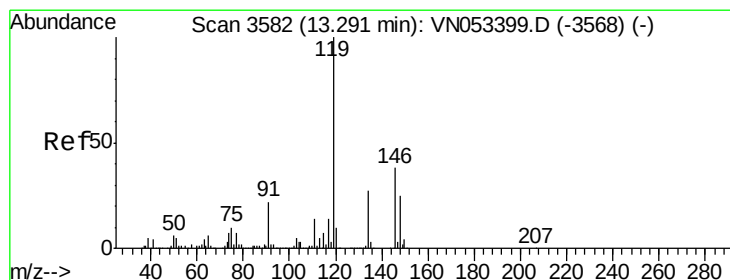
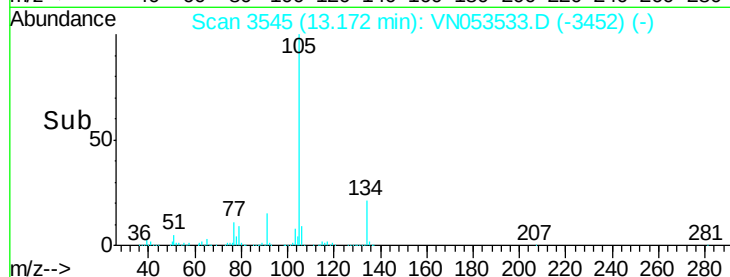
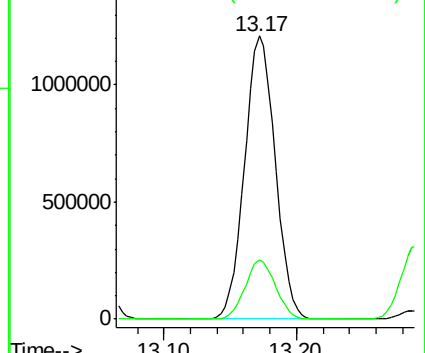
MMDadoda

1/29/2019 9:52:19 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.676 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

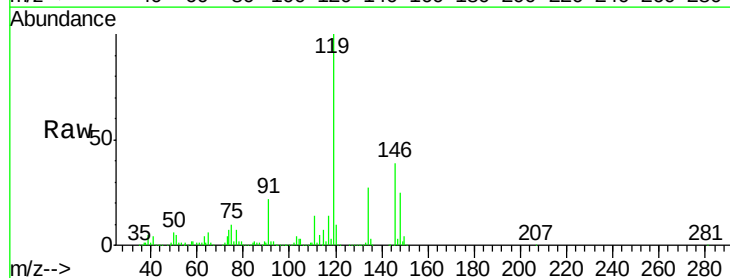
Tgt Ion:119 Resp: 1732272

Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

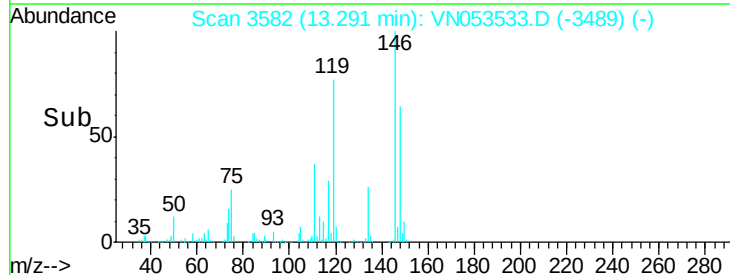
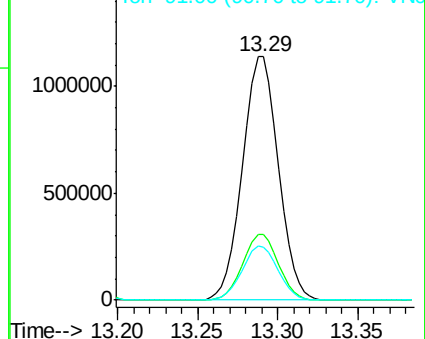
91 22.0 11.0 33.0

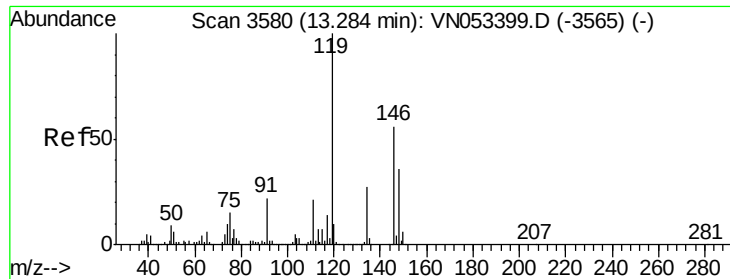


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





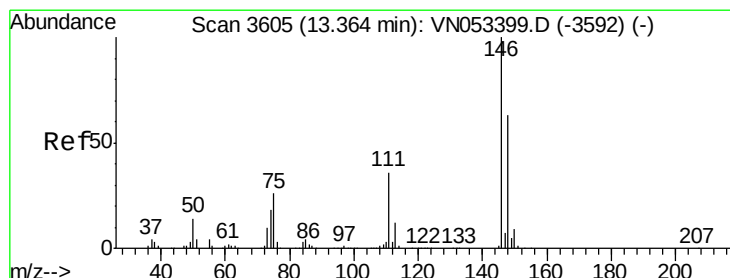
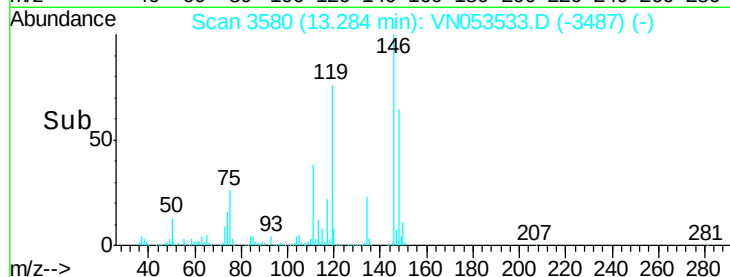
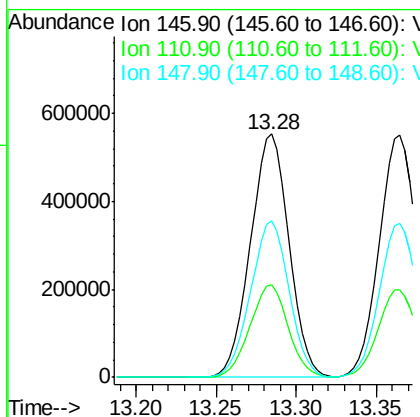
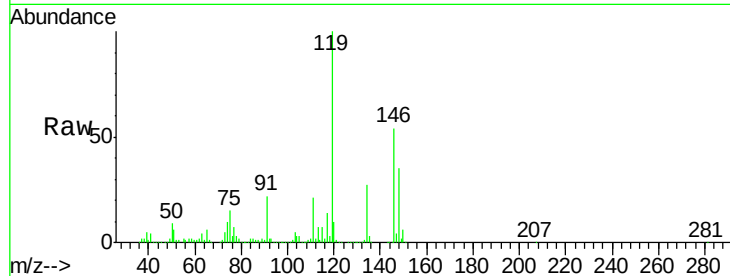
#87
 1,3-Dichlorobenzene
 Concen: 53.315 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053533.D
 Acq: 28 Jan 2019 9:21

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	914951		
111	37.6	18.8	56.3	
148	64.0	32.0	96.2	

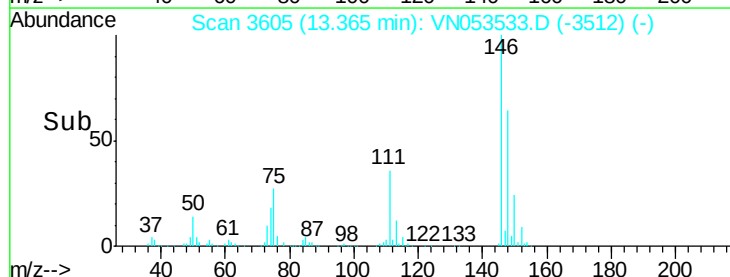
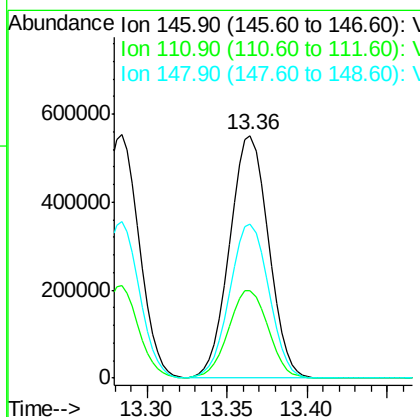
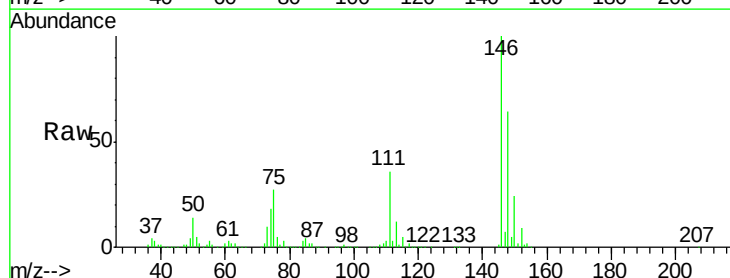
Manual Integrations
 APPROVED

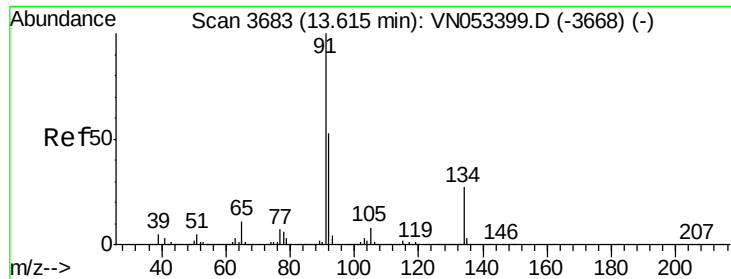
MMDadoda
 1/29/2019 9:52:19 AM



#88
 1,4-Dichlorobenzene
 Concen: 53.024 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053533.D
 Acq: 28 Jan 2019 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	912757		
111	36.9	18.6	55.8	
148	64.2	32.4	97.0	





#89

n-Butylbenzene

Concen: 57.276 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 1546832

Ion Ratio Lower Upper

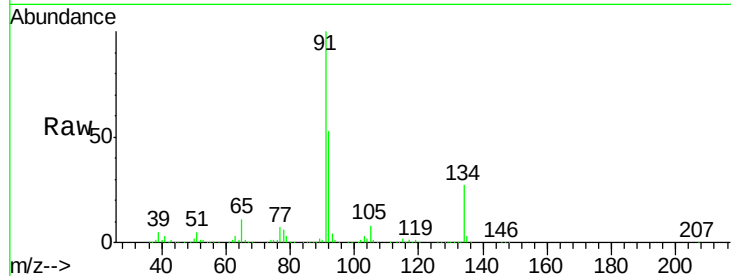
91 100

92 52.6 26.3 78.8

134 27.2 13.5 40.5

Manual Integrations
APPROVED

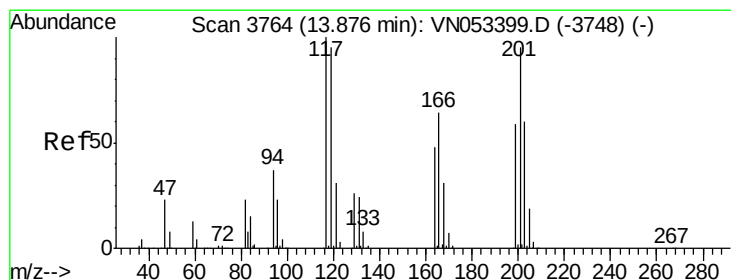
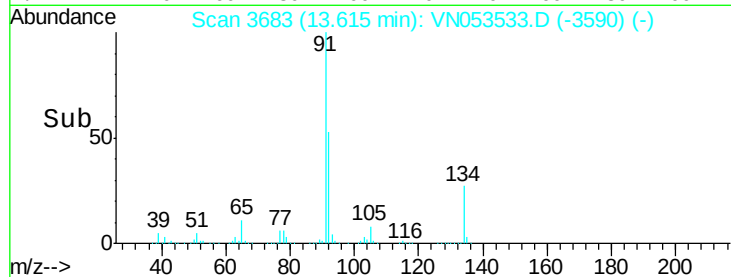
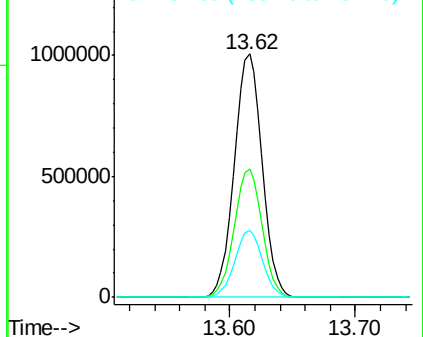
MMDadoda
1/29/2019 9:52:19 AM



Abundance Ion 91.00 (90.70 to 91.70): VN053399.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN053399.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN053399.D (-3668) (-)



#90

Hexachloroethane

Concen: 53.194 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053533.D

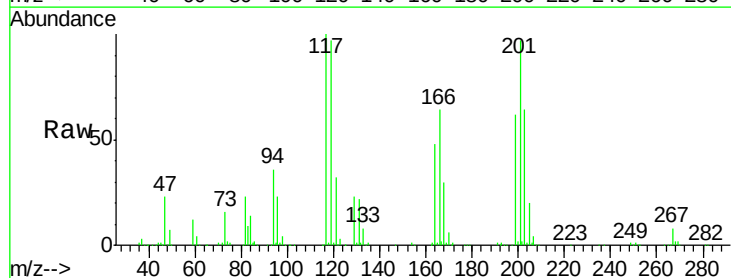
Acq: 28 Jan 2019 9:21

Tgt Ion: 117 Resp: 264316

Ion Ratio Lower Upper

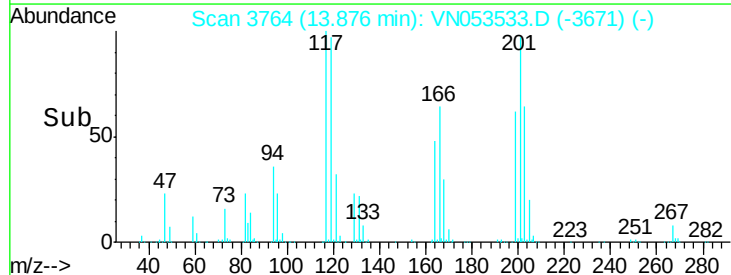
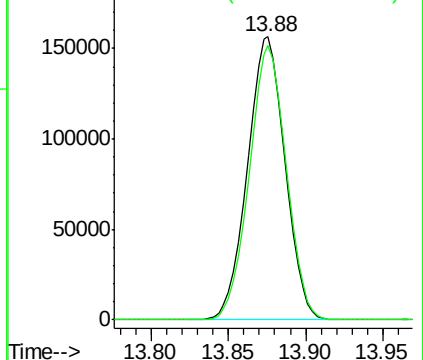
117 100

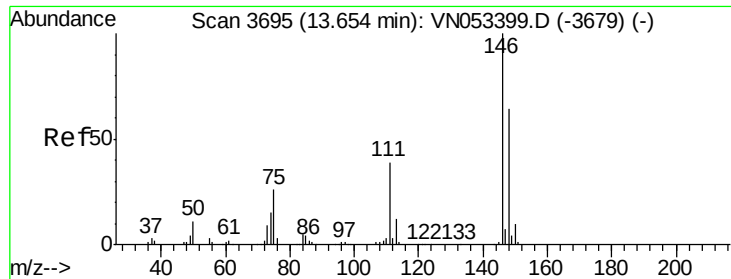
201 95.3 46.8 140.4



Abundance Ion 116.80 (116.50 to 117.50): VN053399.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN053399.D (-3748) (-)





#91

1,2-Dichlorobenzene

Concen: 54.982 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

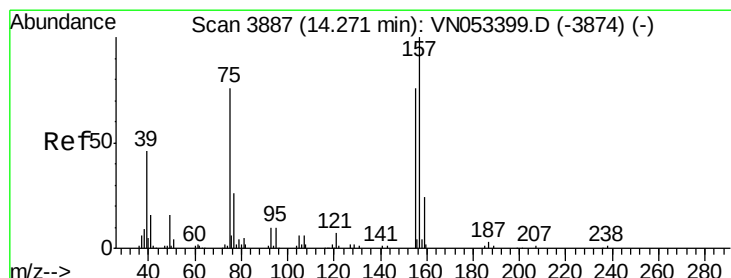
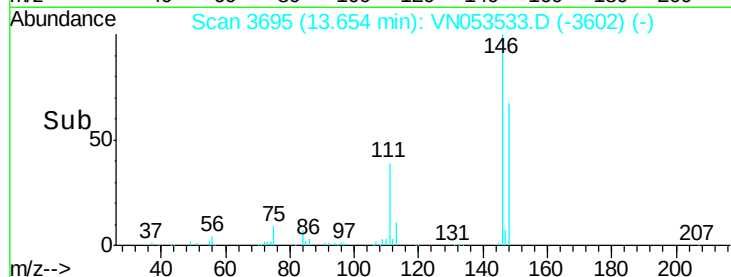
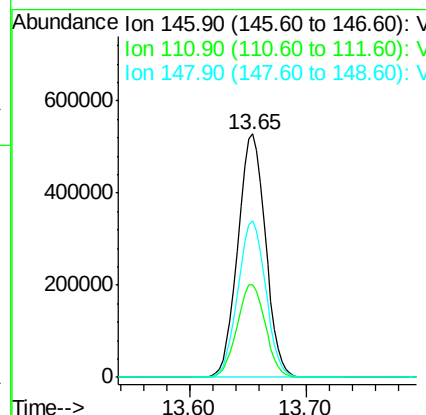
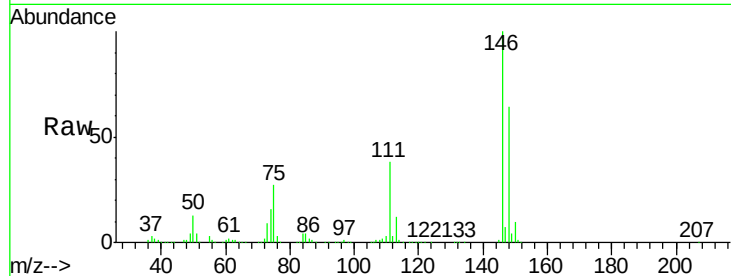
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	868066
Ion Ratio	Lower	Upper	
146	100		
111	38.8	19.5	58.5
148	64.8	31.9	95.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 66.133 ug/l

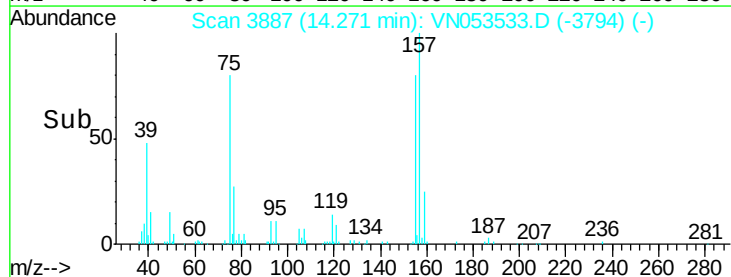
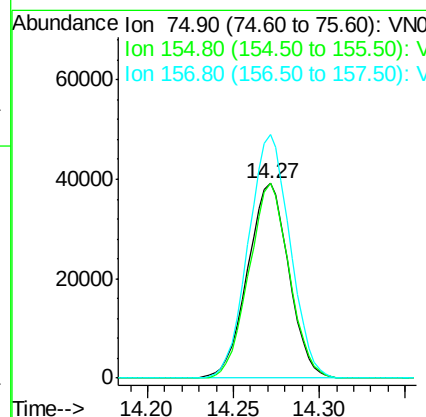
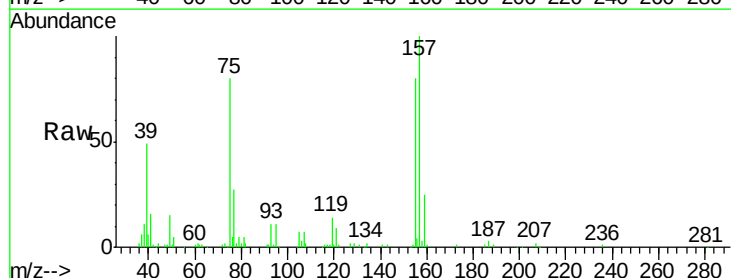
RT: 14.27 min Scan# 3887

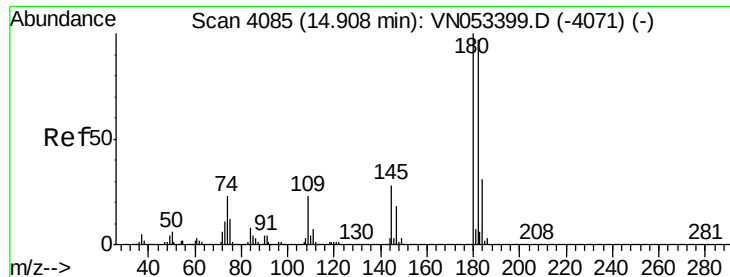
Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Tgt Ion:	75	Resp:	65113
Ion Ratio	Lower	Upper	
75	100		
155	97.3	48.9	146.7
157	126.7	63.7	191.3





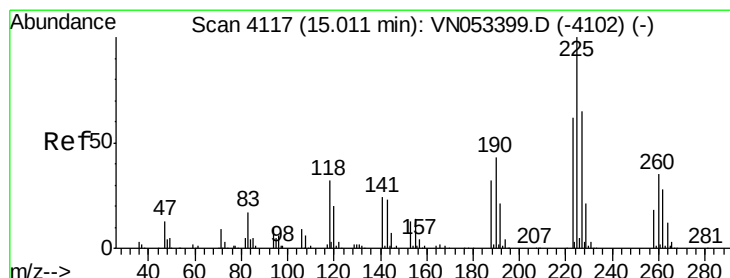
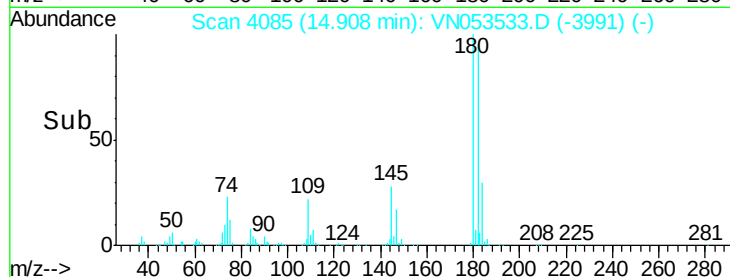
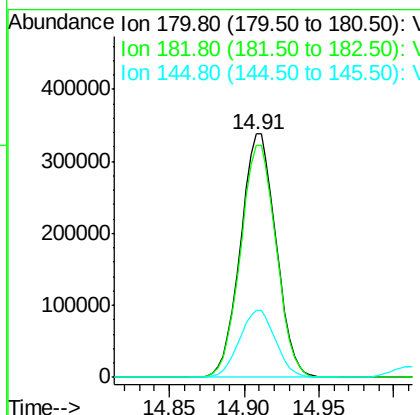
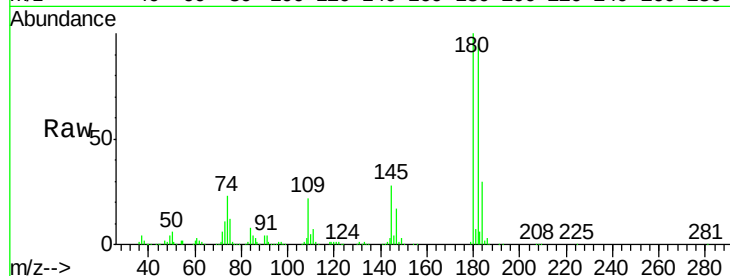
#93
 1,2,4-Trichlorobenzene
 Concen: 78.474 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053533.D
 Acq: 28 Jan 2019 9:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	558280		
182	95.7	48.1	144.3	
145	28.0	13.9	41.6	

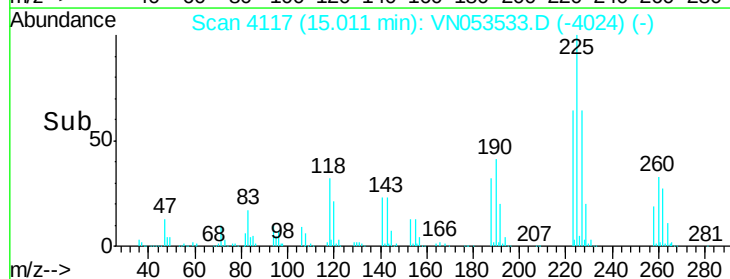
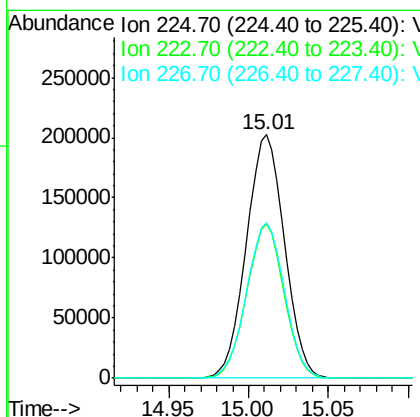
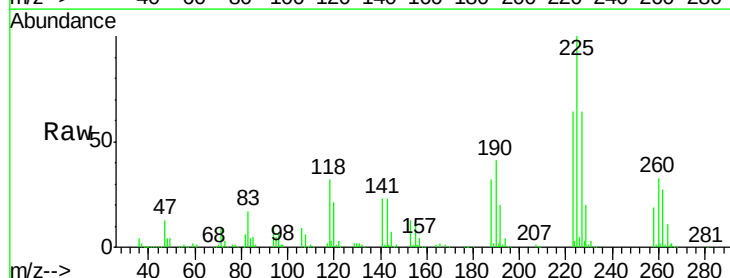
Manual Integrations
 APPROVED

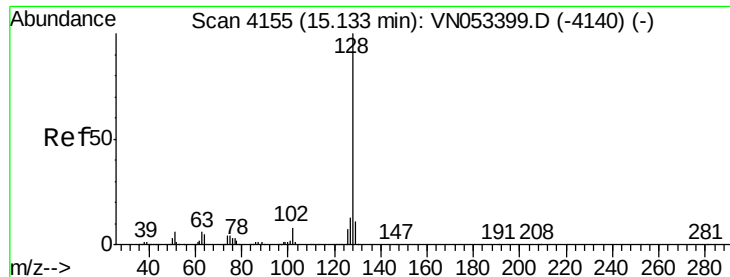
MMDadoda
 1/29/2019 9:52:19 AM



#94
 Hexachlorobutadiene
 Concen: 66.806 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053533.D
 Acq: 28 Jan 2019 9:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	329027		
223	62.1	31.1	93.2	
227	63.8	32.0	96.2	





#95

Naphthalene

Concen: 92.564 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1175812

Ion Ratio Lower Upper

128 100

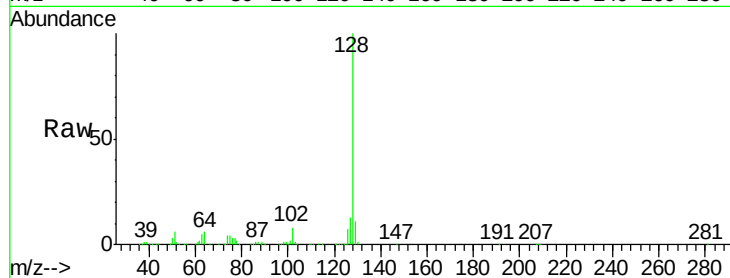
127 12.9 10.3 15.5

129 10.9 8.6 13.0

Manual Integrations
APPROVED

MMDadoda

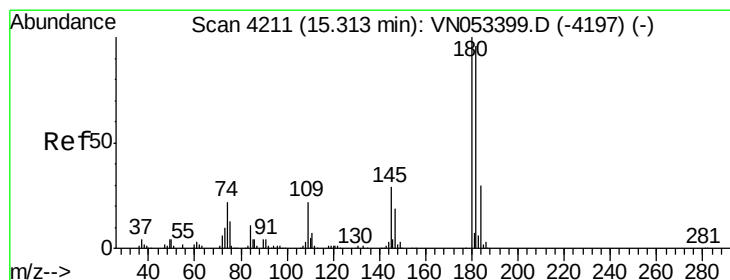
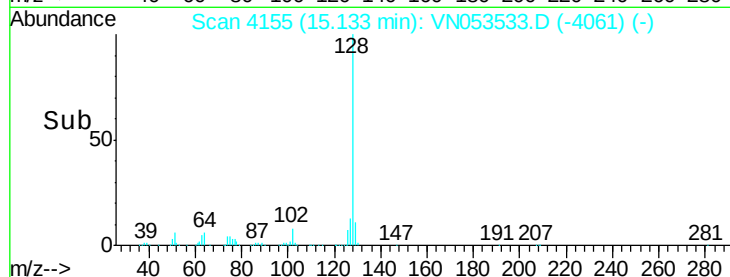
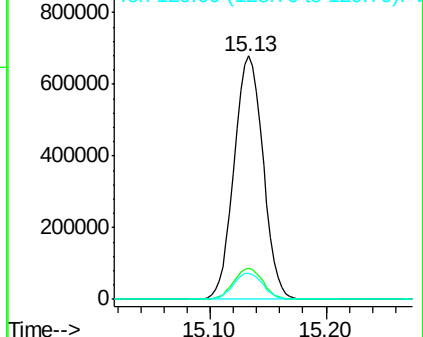
1/29/2019 9:52:19 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 97.014 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053533.D

Acq: 28 Jan 2019 9:21

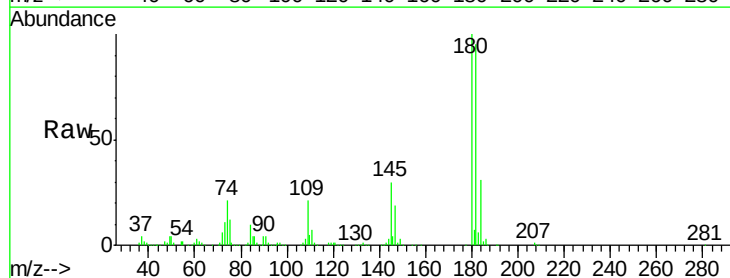
Tgt Ion:180 Resp: 514804

Ion Ratio Lower Upper

180 100

182 95.2 47.9 143.8

145 29.7 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

