

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011519\
 Data File : VN053399.D
 Acq On : 15 Jan 2019 10:35
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 1/16/2019 9:50:49 AM

Quant Time: Jan 16 03:05:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 15 11:52:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	894389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1350341	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1242252	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	604408	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	440926	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
35) Dibromofluoromethane	7.59	113	389403	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
50) Toluene-d8	10.09	98	1655557	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
62) 4-Bromofluorobenzene	12.40	95	571743	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	368348	51.224	ug/l	99
3) Chloromethane	2.06	50	506947	49.308	ug/l	100
4) Vinyl Chloride	2.19	62	493501	49.796	ug/l	100
5) Bromomethane	2.55	94	326794	48.057	ug/l	97
6) Chloroethane	2.70	64	297213	49.603	ug/l	99
7) Trichlorofluoromethane	3.02	101	646342	49.860	ug/l	99
8) Diethyl Ether	3.41	74	250244	51.398	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	410163	49.961	ug/l	100
10) Methyl Iodide	3.95	142	633219	50.473	ug/l	100
11) Tert butyl alcohol	4.78	59	101322	234.234	ug/l	99
12) 1,1-Dichloroethene	3.74	96	398277	50.017	ug/l	99
13) Acrolein	3.61	56	195378	233.155	ug/l	98
14) Allyl chloride	4.33	41	664200	51.352	ug/l	96
15) Acrylonitrile	4.99	53	730241	256.516	ug/l	99
16) Acetone	3.81	43	494555	238.447	ug/l	99
17) Carbon Disulfide	4.06	76	1196386	49.683	ug/l	100
18) Methyl Acetate	4.32	43	346725	49.618	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	1080927	51.089	ug/l	100
20) Methylene Chloride	4.55	84	464939	49.100	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	432378	50.789	ug/l	100
22) Diisopropyl ether	5.95	45	1388330	51.417	ug/l	98
23) Vinyl Acetate	5.89	43	4361450	262.767	ug/l	100
24) 1,1-Dichloroethane	5.85	63	806854	50.547	ug/l	100
25) 2-Butanone	6.83	43	808883	253.080	ug/l	100
26) 2,2-Dichloropropane	6.83	77	602977	50.032	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	493413	50.686	ug/l	99
28) Bromochloromethane	7.19	49	354468	50.407	ug/l	99
29) Tetrahydrofuran	7.21	42	529848	254.648	ug/l	99
30) Chloroform	7.37	83	779671	50.132	ug/l	99
31) Cyclohexane	7.65	56	766106	49.314	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	660394	50.057	ug/l	99
36) 1,1-Dichloropropene	7.79	75	620402	50.449	ug/l	99
37) Ethyl Acetate	6.93	43	366621	51.391	ug/l	100
38) Carbon Tetrachloride	7.78	117	582377	50.021	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	773886	50.914	ug/l	100
40) Benzene	8.04	78	1886171	50.472	ug/l	100
41) Methacrylonitrile	7.17	41	218701	49.576	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	545571	50.112	ug/l	99
43) Isopropyl Acetate	8.16	43	663149	49.919	ug/l	99
44) Trichloroethene	8.83	130	518121	49.995	ug/l	100
45) 1,2-Dichloropropane	9.12	63	496838	50.194	ug/l	100
46) Dibromomethane	9.21	93	283050	49.772	ug/l	99
47) Bromodichloromethane	9.40	83	601426	50.288	ug/l	99
48) Methyl methacrylate	9.20	41	338716	51.565	ug/l	99
49) 1,4-Dioxane	9.20	88	59755	931.462	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1810604	260.709	ug/l	100
52) Toluene	10.16	92	1177524	50.754	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	631699	52.111	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	730525	51.408	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	408784	51.106	ug/l	99
56) Ethyl methacrylate	10.43	69	545753	48.157	ug/l	100
57) 1,3-Dichloropropane	10.71	76	708168	51.180	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1465493	261.893	ug/l	100
59) 2-Hexanone	10.75	43	1258788	258.199	ug/l	99
60) Dibromochloromethane	10.90	129	465902	51.355	ug/l	100
61) 1,2-Dibromoethane	11.00	107	416160	51.444	ug/l	99
64) Tetrachloroethene	10.63	164	577609	49.339	ug/l	99
65) Chlorobenzene	11.43	112	1323173	50.322	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	459242	50.205	ug/l	100
67) Ethyl Benzene	11.51	91	2282514	50.935	ug/l	100
68) m/p-Xylenes	11.62	106	1749079	103.379	ug/l	100
69) o-Xylene	11.95	106	843924	51.333	ug/l	100
70) Styrene	11.96	104	1399620	52.456	ug/l	100
71) Bromoform	12.13	173	324335	51.502	ug/l	99
73) Isopropylbenzene	12.25	105	2255674	50.963	ug/l	99
74) N-amyl acetate	12.07	43	616487	52.249	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	462067	49.777	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	370466m	48.682	ug/l	
77) Bromobenzene	12.53	156	585133	50.170	ug/l	99
78) n-propylbenzene	12.59	91	2597989	51.135	ug/l	99
79) 2-Chlorotoluene	12.67	91	1508193	50.081	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1848287	51.324	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	146940	46.856	ug/l	99
82) 4-Chlorotoluene	12.77	91	1550021	50.471	ug/l	99
83) tert-Butylbenzene	12.99	119	1631325	51.289	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1873993	51.609	ug/l	100
85) sec-Butylbenzene	13.17	105	2228142	51.079	ug/l	100
86) p-Isopropyltoluene	13.29	119	1956256	51.649	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1034451	50.423	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1014008	49.274	ug/l	99
89) n-Butylbenzene	13.62	91	1666737	51.625	ug/l	100
90) Hexachloroethane	13.88	117	301637	50.779	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	967629	51.267	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	59946	50.930	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	397185	47.821	ug/l	99
94) Hexachlorobutadiene	15.01	225	311781	52.954	ug/l	99
95) Naphthalene	15.13	128	671301	46.264	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	277694	45.917	ug/l	99

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

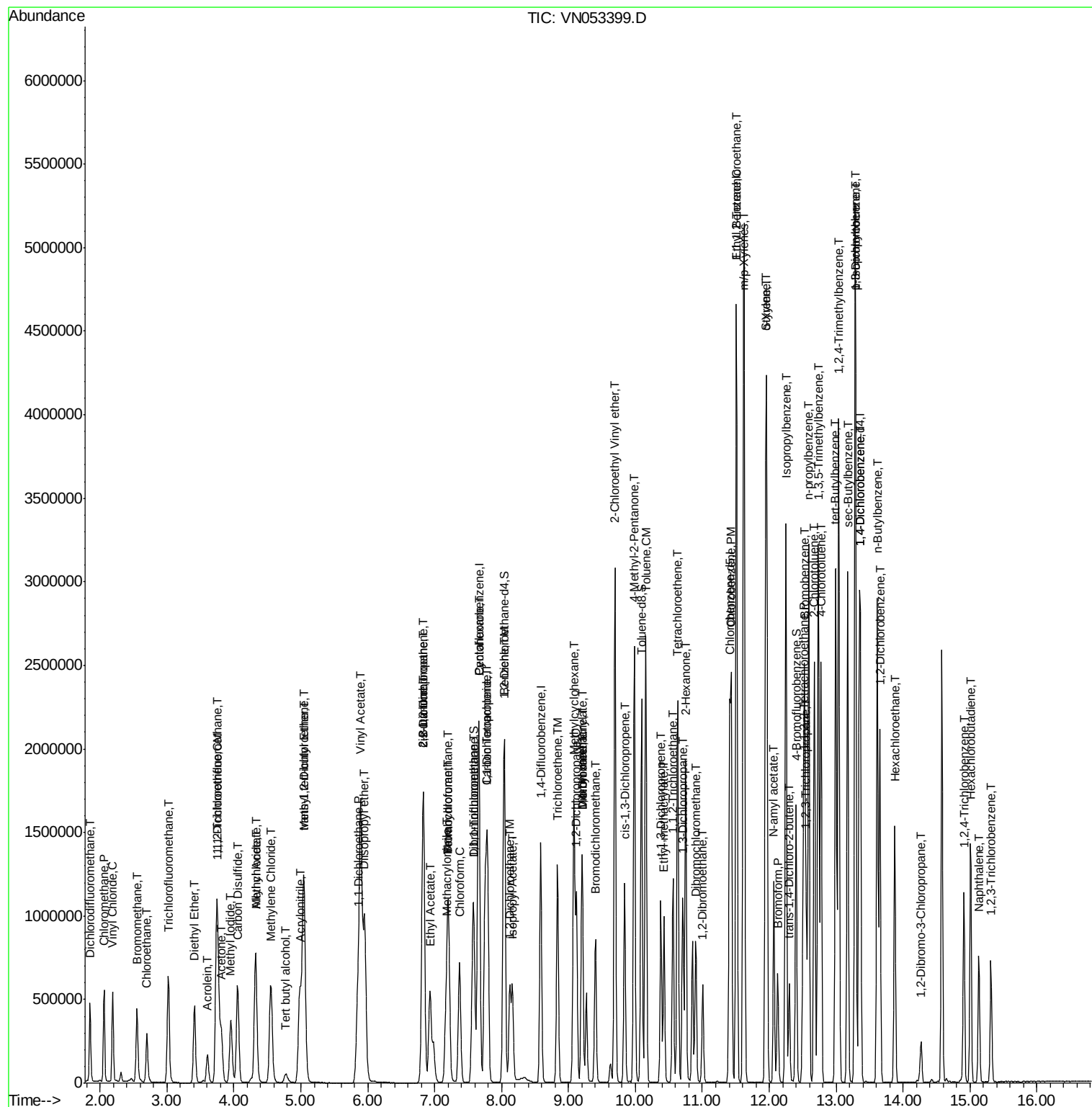
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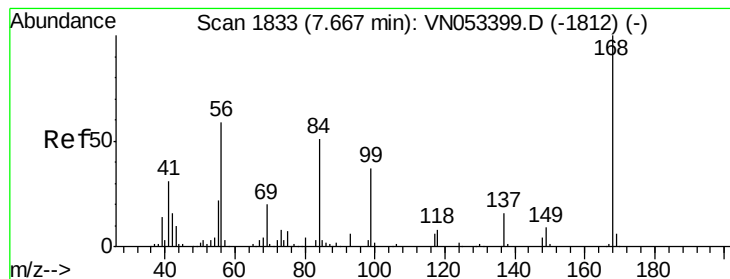
Instrument :
 MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053399.D

Acq: 15 Jan 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 894389

Ion Ratio Lower Upper

168 100

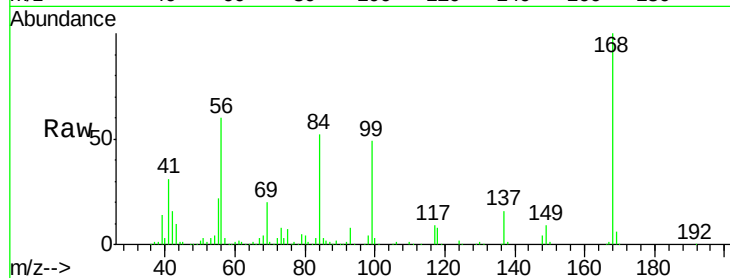
99 48.9 39.1 58.7

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

7.67

400000

300000

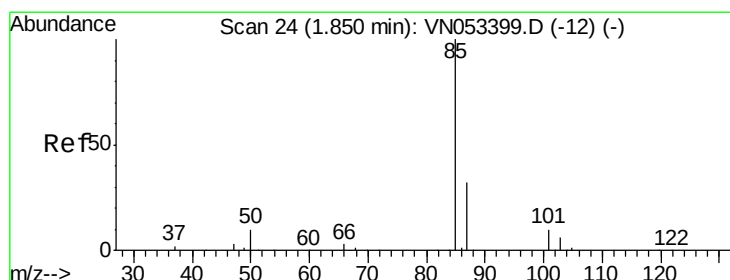
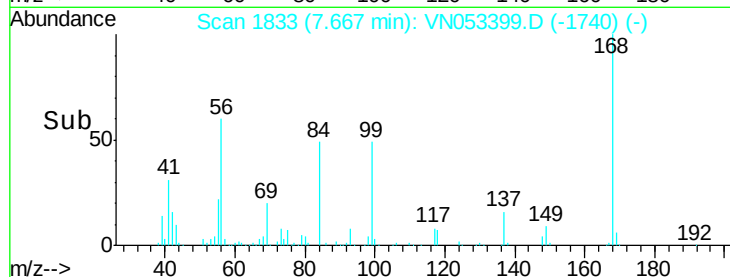
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 51.224 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053399.D

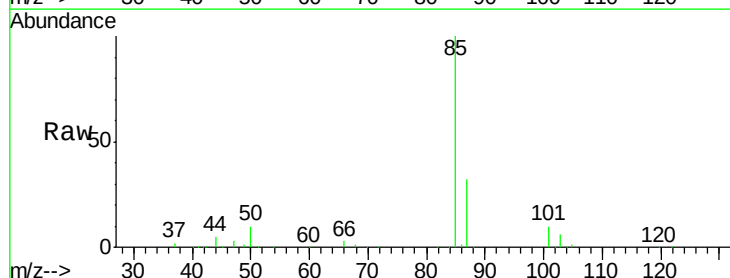
Acq: 15 Jan 2019 10:35

Tgt Ion: 85 Resp: 368348

Ion Ratio Lower Upper

85 100

87 32.3 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

300000

250000

200000

150000

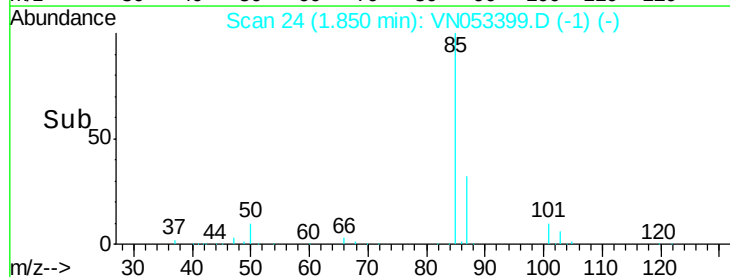
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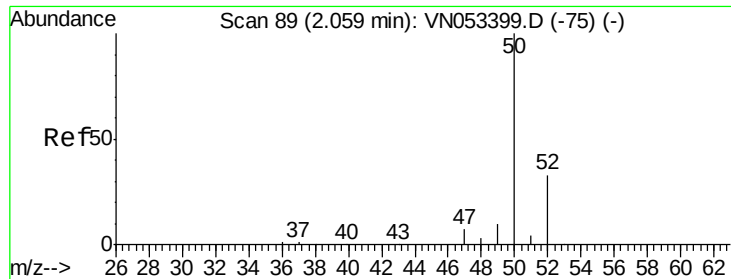
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 49.308 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053399.D

Acq: 15 Jan 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 506947

Ion Ratio Lower Upper

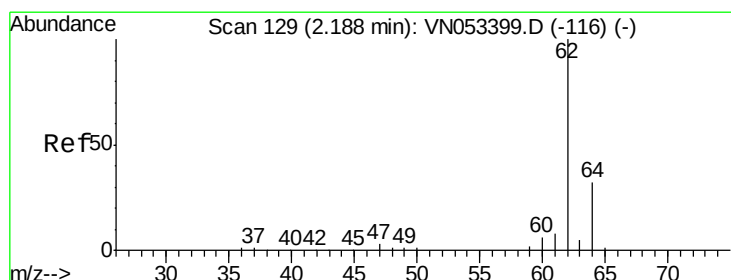
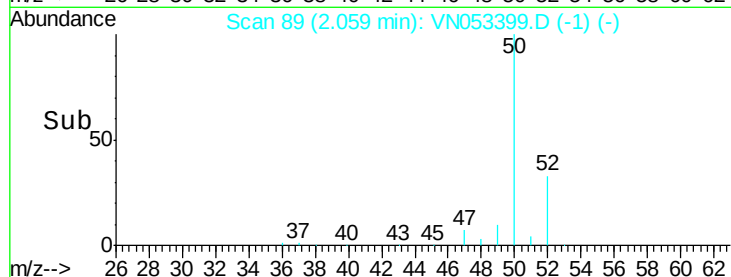
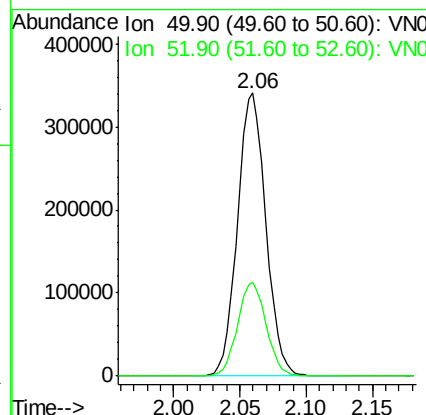
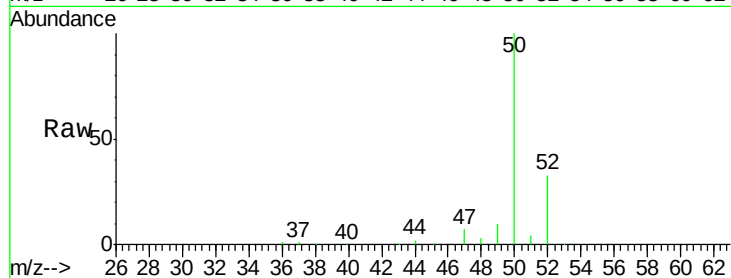
50 100

52 33.3 26.6 40.0

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#4

Vinyl Chloride

Concen: 49.796 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053399.D

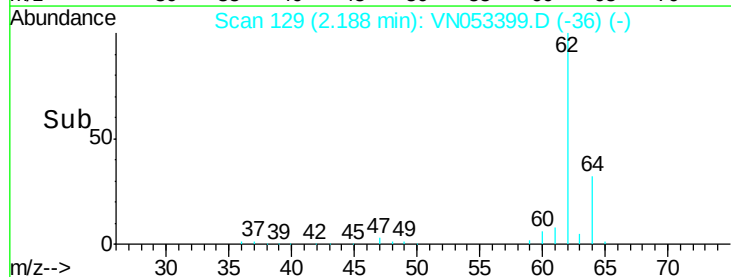
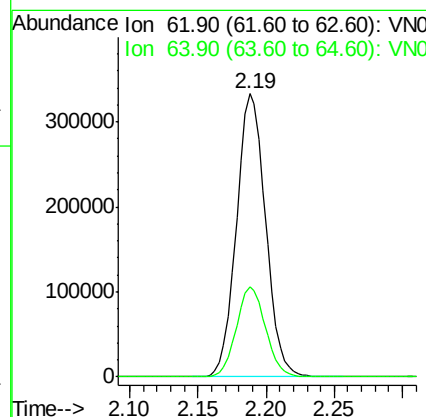
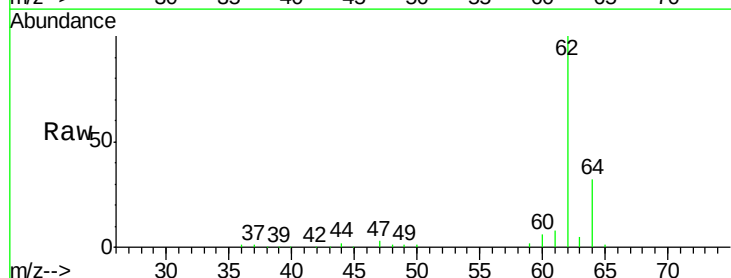
Acq: 15 Jan 2019 10:35

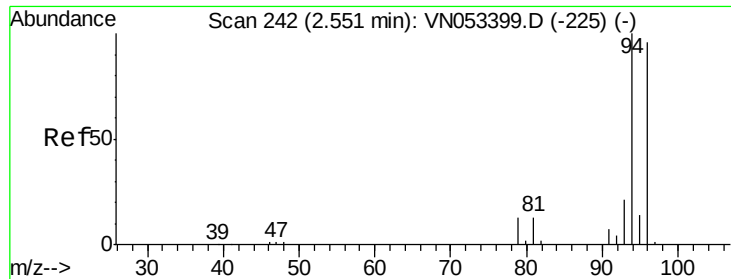
Tgt Ion: 62 Resp: 493501

Ion Ratio Lower Upper

62 100

64 31.8 25.6 38.4





#5

Bromomethane

Concen: 48.057 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.00 min

Lab File: VN053399.D

Acq: 15 Jan 2019 10:35

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 326794

Ion Ratio Lower Upper

94 100

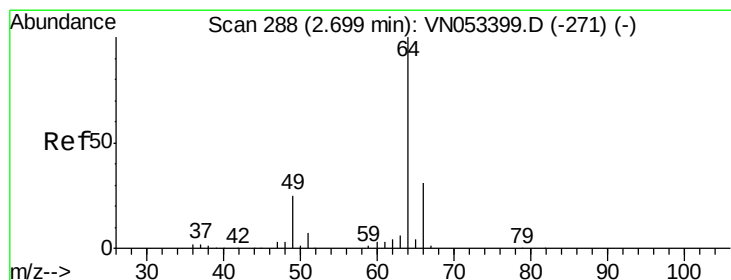
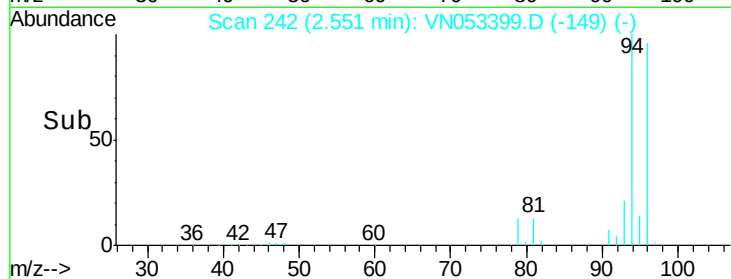
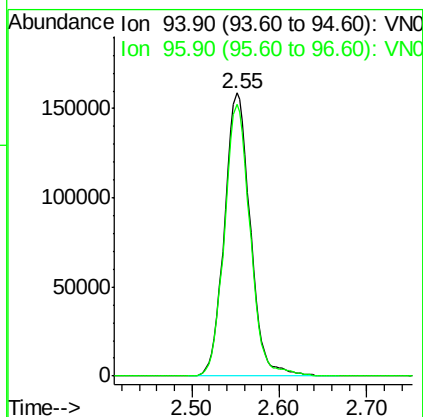
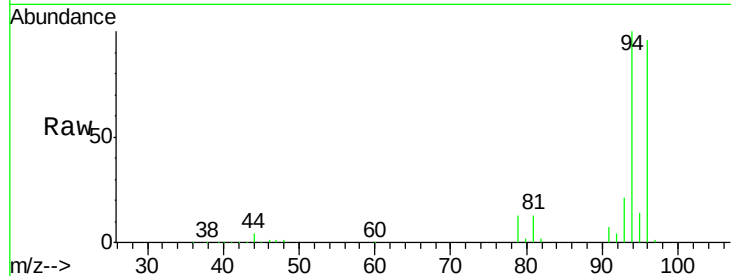
96 96.0 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 49.603 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN053399.D

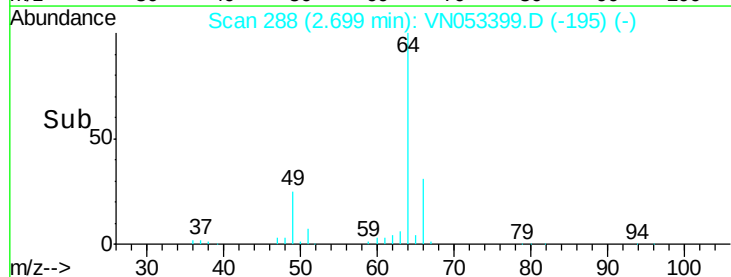
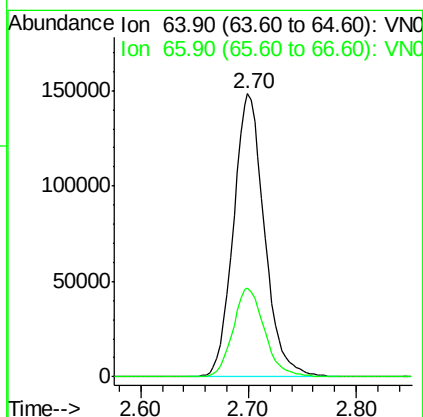
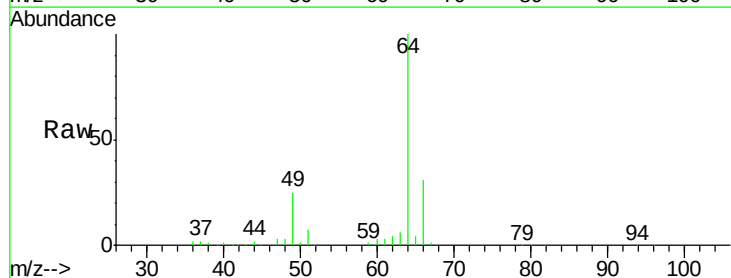
Acq: 15 Jan 2019 10:35

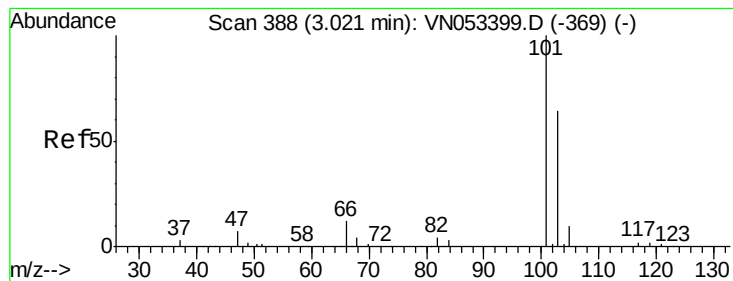
Tgt Ion: 64 Resp: 297213

Ion Ratio Lower Upper

64 100

66 31.4 25.6 38.4





#7

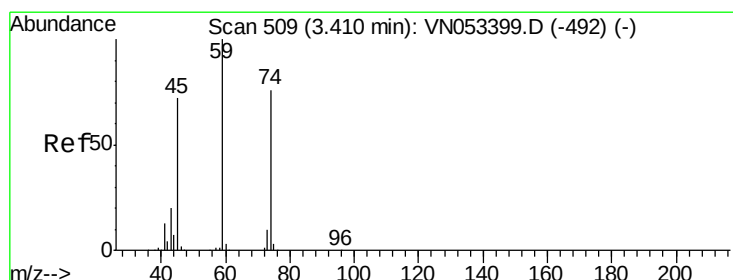
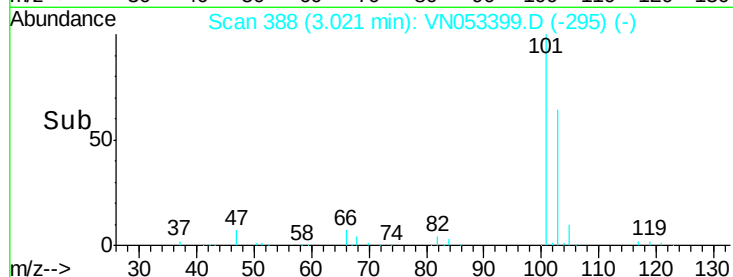
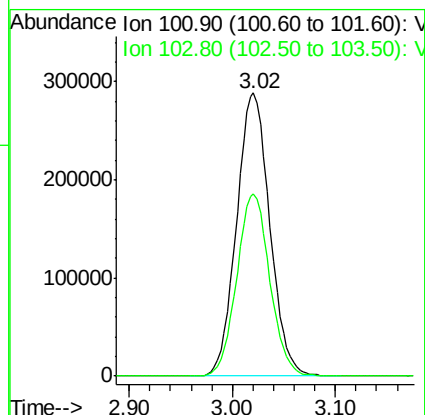
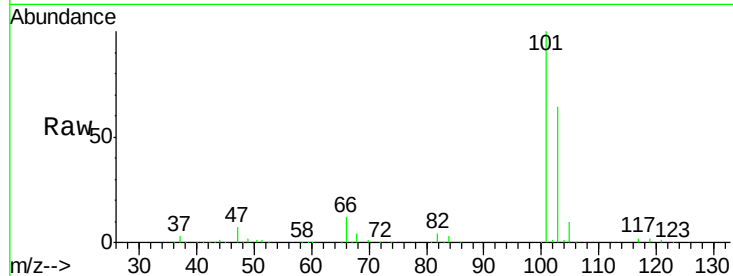
Trichlorofluoromethane
Concen: 49.860 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN053399.D
Acq: 15 Jan 2019 10:35

Instrument :
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ClientSampleId :
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Tot Ion:101 Resp: 646342
Ion Ratio Lower Upper
101 100
103 64.5 52.1 78.1

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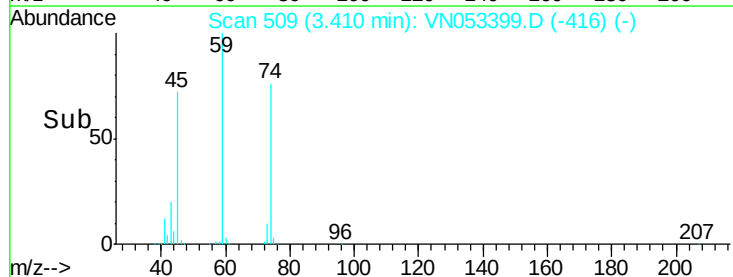
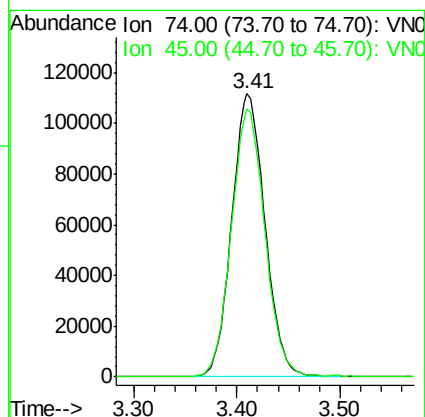
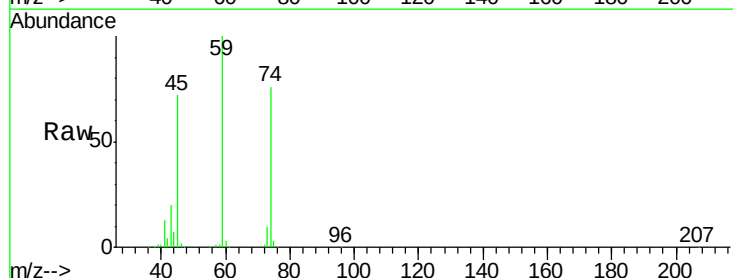
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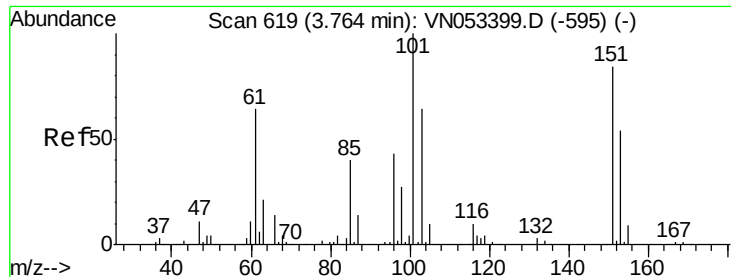


#8

Diethyl Ether
Concen: 51.398 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN053399.D
Acq: 15 Jan 2019 10:35

Tgt Ion: 74 Resp: 250244
Ion Ratio Lower Upper
74 100
45 95.8 48.3 144.9





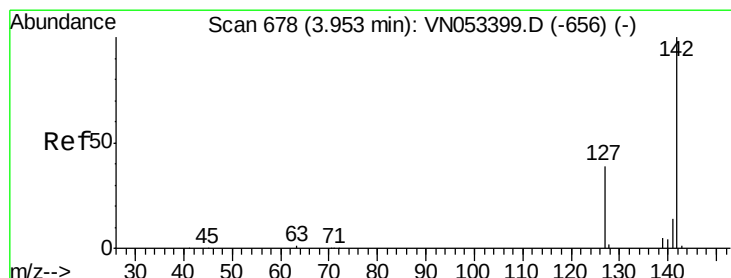
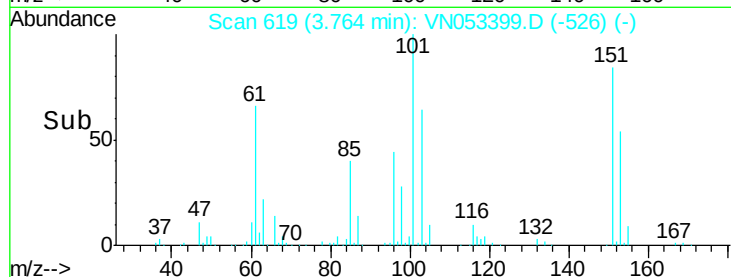
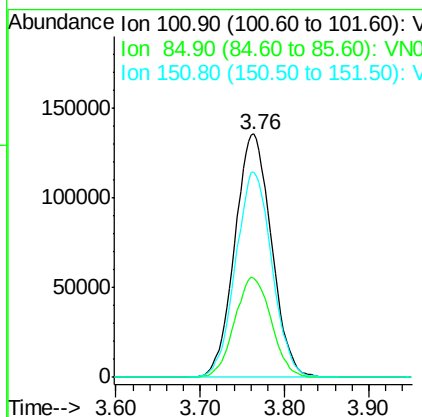
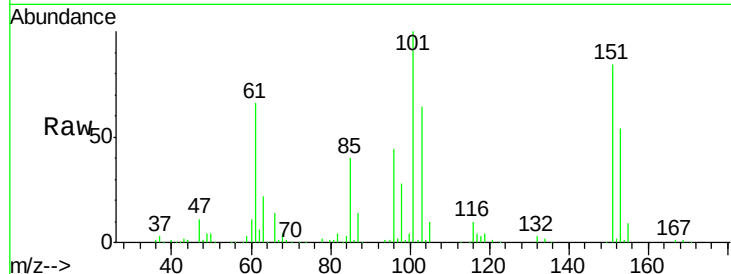
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 49.961 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VN053399.D
 Acq: 15 Jan 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	410163		
85	41.0	33.3	49.9	
151	83.6	67.0	100.4	

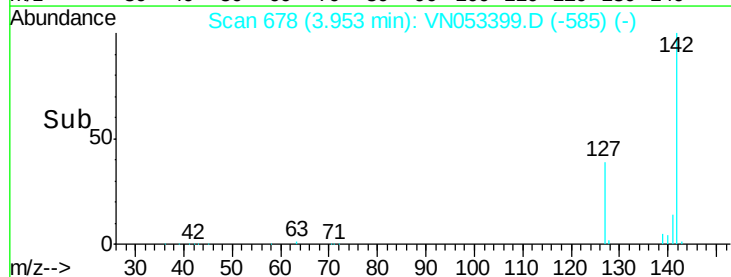
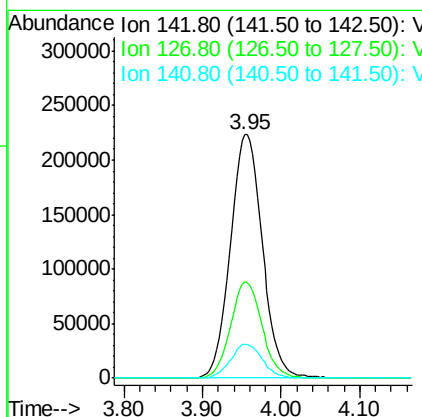
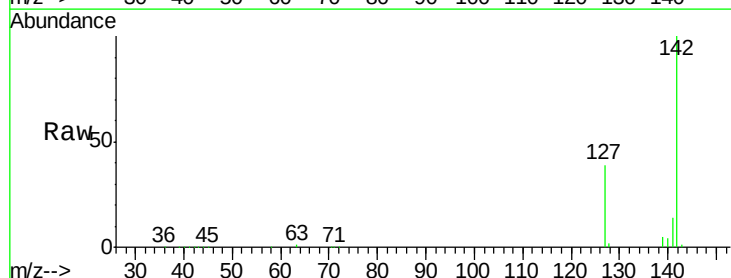
Manual Integrations
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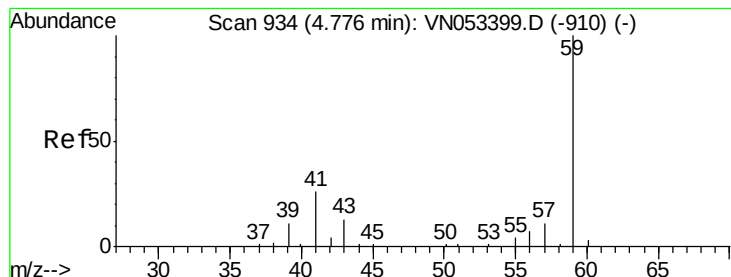
MMDadoda
 1/16/2019 9:50:49 AM



#10
 Methyl Iodide
 Concen: 50.473 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VN053399.D
 Acq: 15 Jan 2019 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	633219		
127	38.7	30.9	46.3	
141	13.9	11.2	16.8	





#11

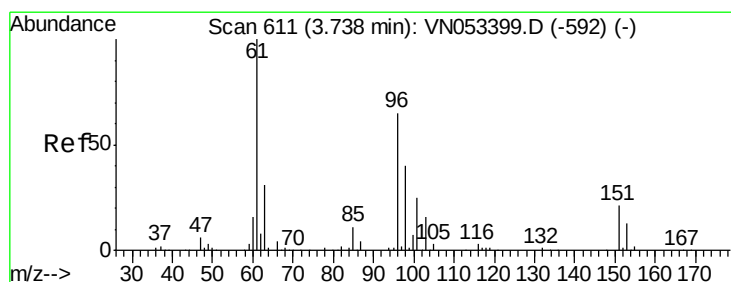
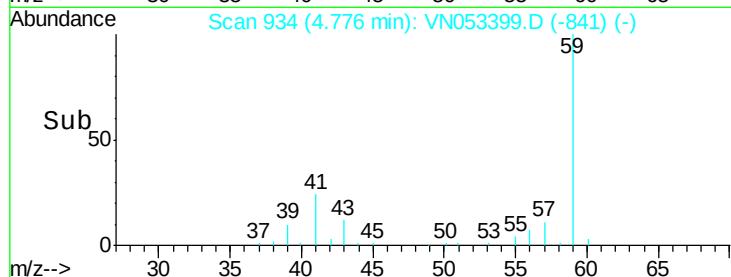
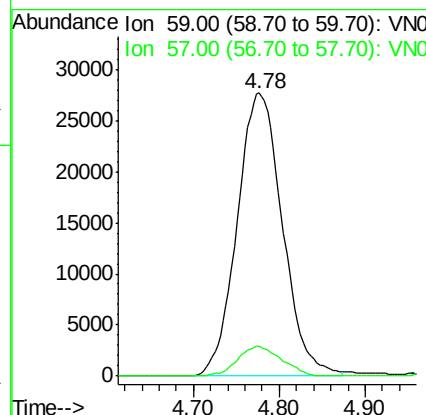
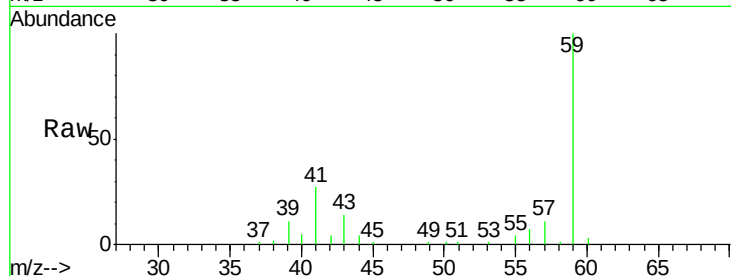
Tert butyl alcohol
 Concen: 234.234 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN053399.D
 Acq: 15 Jan 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.0	12.0

Manual Integrations
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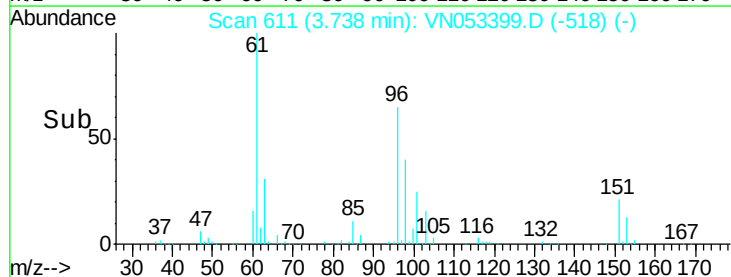
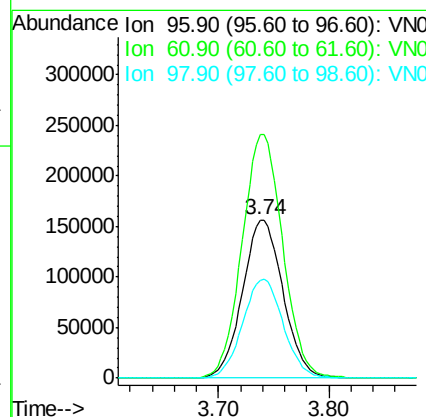
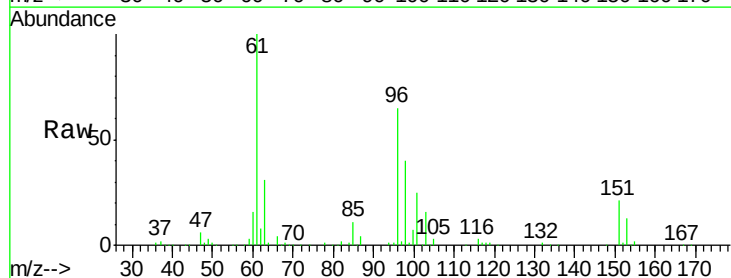
MMDadoda
 1/16/2019 9:50:49 AM

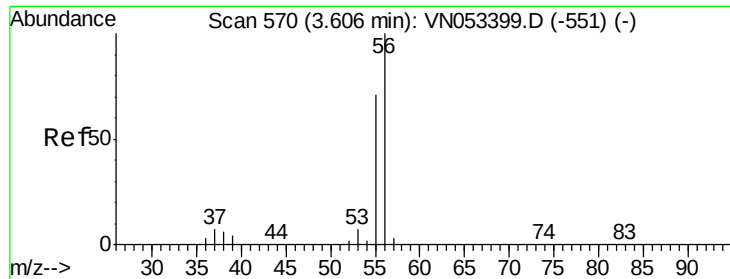


#12

1,1-Dichloroethene
 Concen: 50.017 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN053399.D
 Acq: 15 Jan 2019 10:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.6	123.2	184.8
98	61.7	50.5	75.7





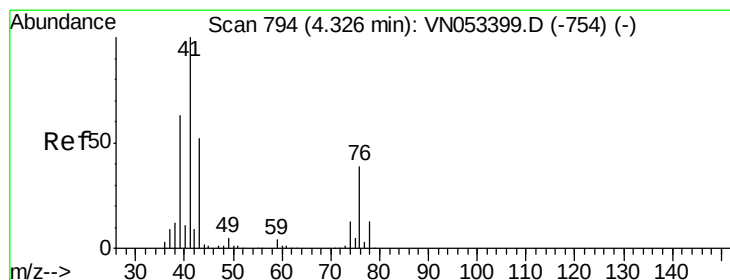
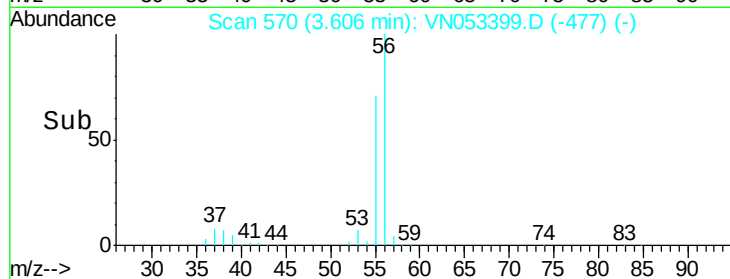
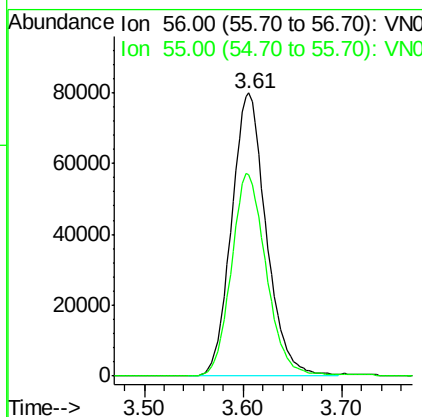
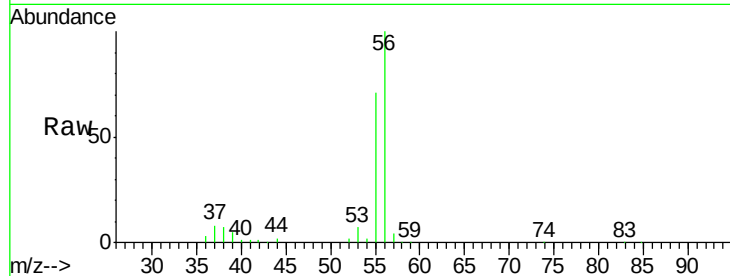
#13
 Acrolein
 Concen: 233.155 ug/l
 RT: 3.61 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: VN053399.D
 Acq: 15 Jan 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	71.7	56.3	84.5	

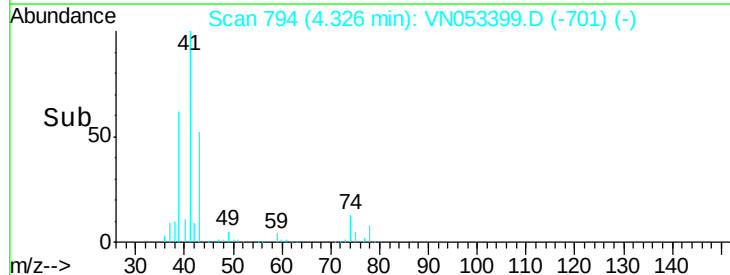
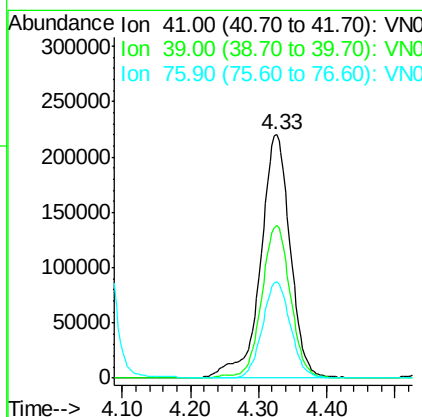
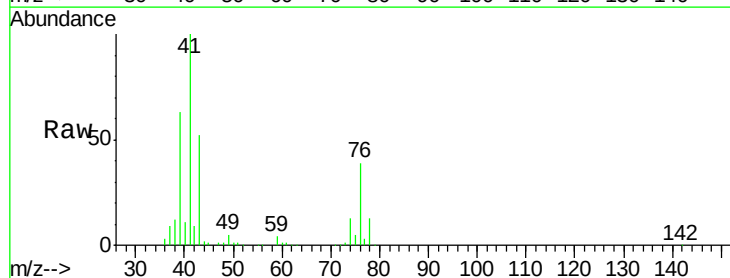
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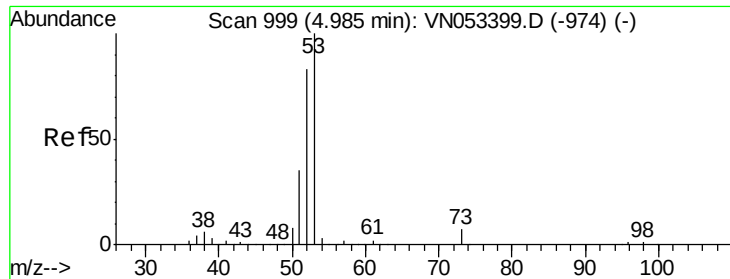
MMDadoda
 1/16/2019 9:50:49 AM



#14
 Allyl chloride
 Concen: 51.352 ug/l
 RT: 4.33 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VN053399.D
 Acq: 15 Jan 2019 10:35

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	61.1	51.9	77.9	
76	36.8	31.2	46.8	





#15

Acrylonitrile

Concen: 256.516 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053399.D

Acq: 15 Jan 2019 10:35

Instrument :

MSVOA_N

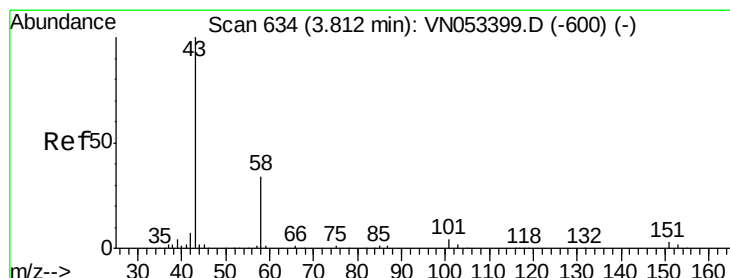
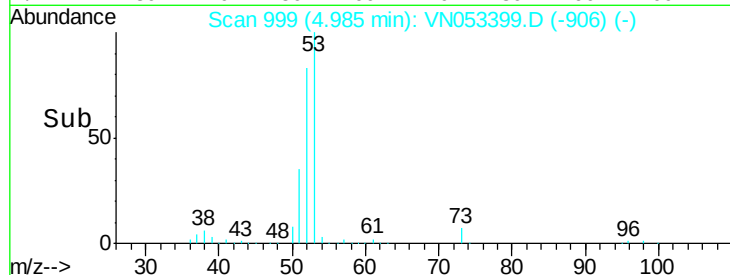
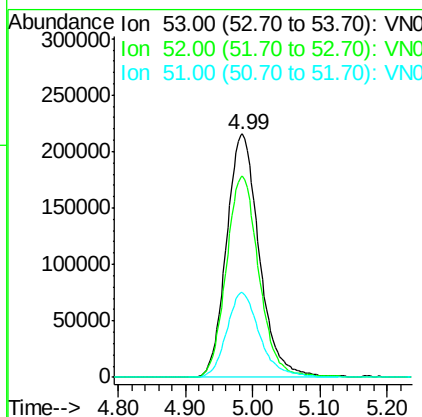
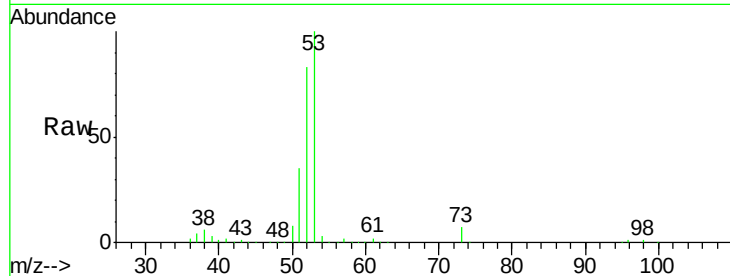
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	730241
Ion Ratio	Lower	Upper	
53	100		
52	82.5	65.2	97.8
51	35.4	28.0	42.0

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#16

Acetone

Concen: 238.447 ug/l

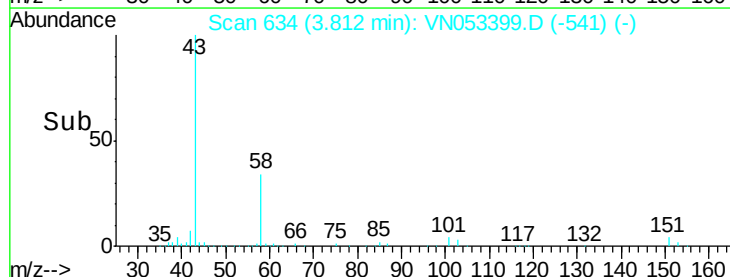
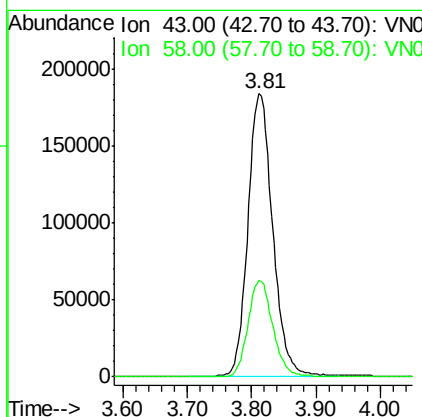
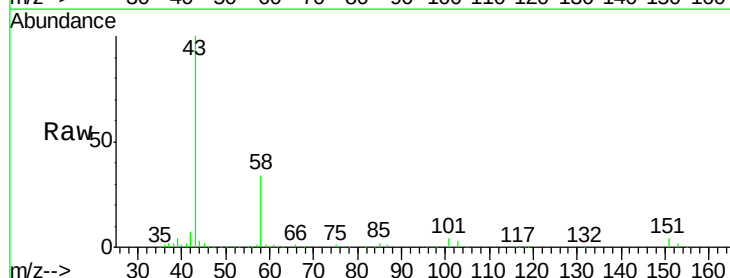
RT: 3.81 min Scan# 634

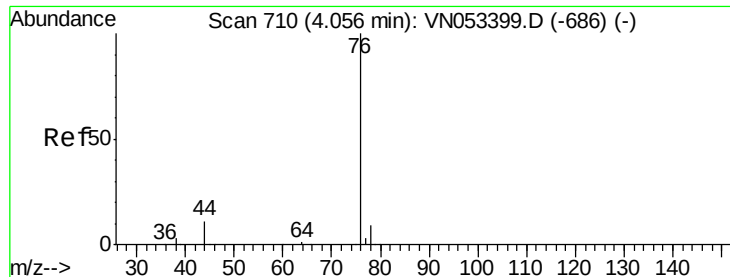
Delta R.T. 0.00 min

Lab File: VN053399.D

Acq: 15 Jan 2019 10:35

Tgt Ion:	43	Resp:	494555
Ion Ratio	Lower	Upper	
43	100		
58	33.9	27.8	41.6





#17

Carbon Disulfide

Concen: 49.683 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053399.D

Acq: 15 Jan 2019 10:35

Tot Ion: 76 Resp: 1196386

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8

Instrument :

MSVOA_N

ClientSampleId :

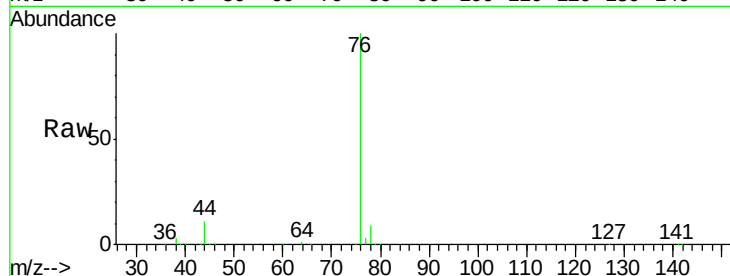
VSTDICCC050

Manual Integrations

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1/16/2019 9:50:49 AM



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.06

500000

400000

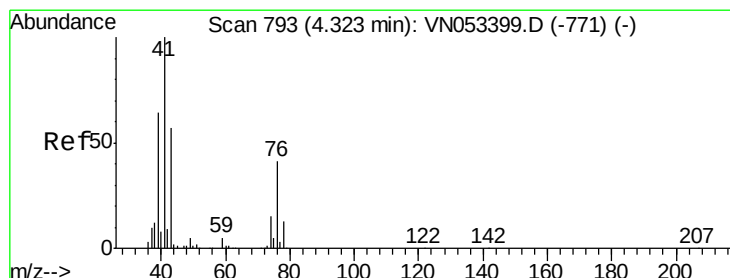
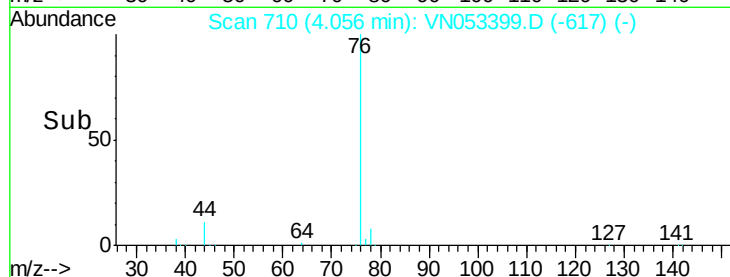
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 49.618 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053399.D

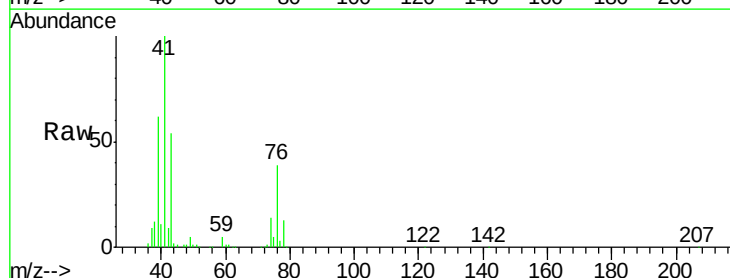
Acq: 15 Jan 2019 10:35

Tgt Ion: 43 Resp: 346725

Ion Ratio Lower Upper

43 100

74 24.3 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

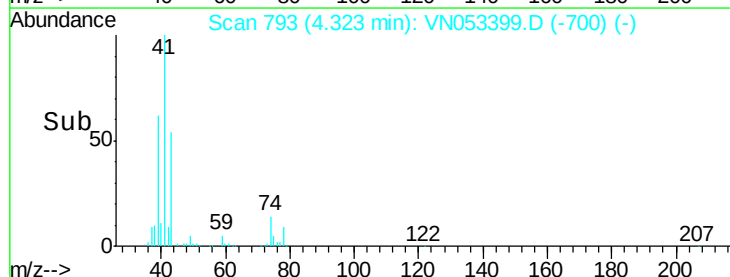
4.32

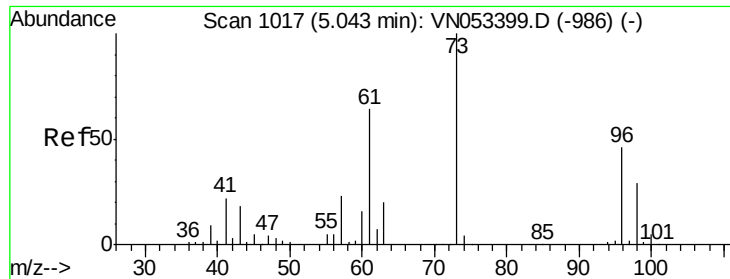
100000

50000

0

Time-->





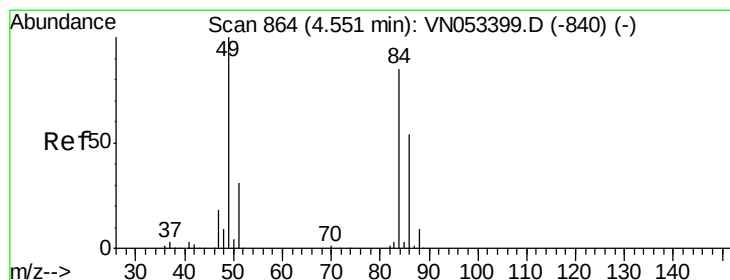
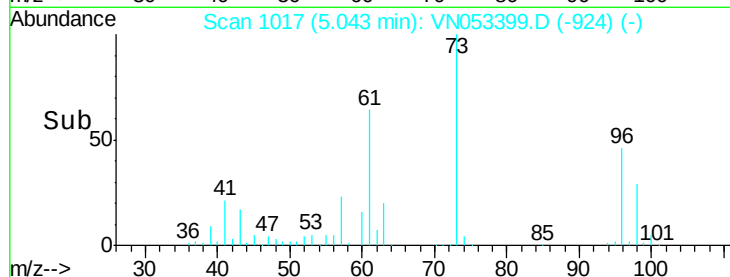
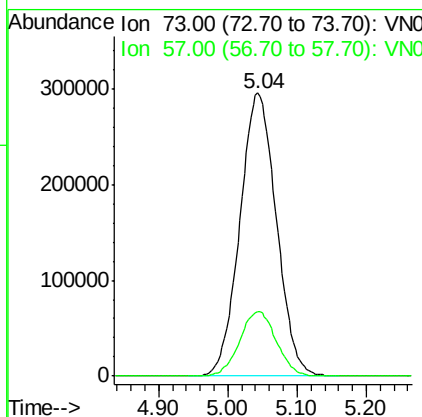
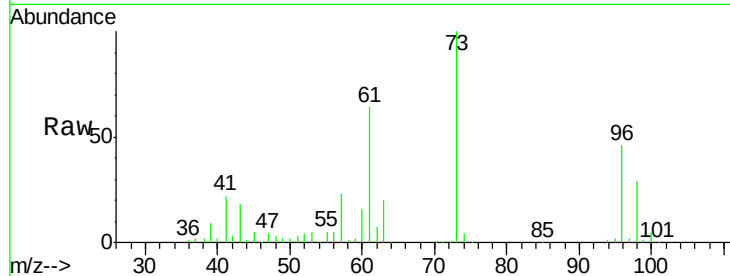
#19
Methyl tert-butyl Ether
Concen: 51.089 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053399.D
Acq: 15 Jan 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 1080927
Ion Ratio Lower Upper
73 100
57 22.9 18.5 27.7

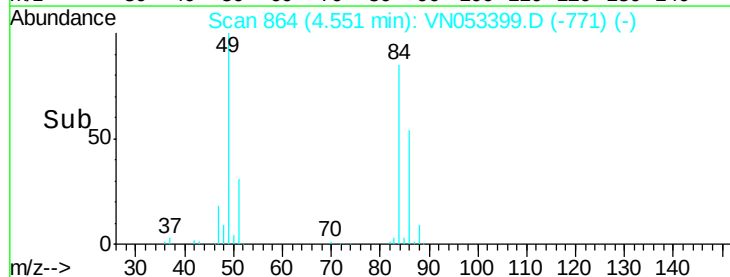
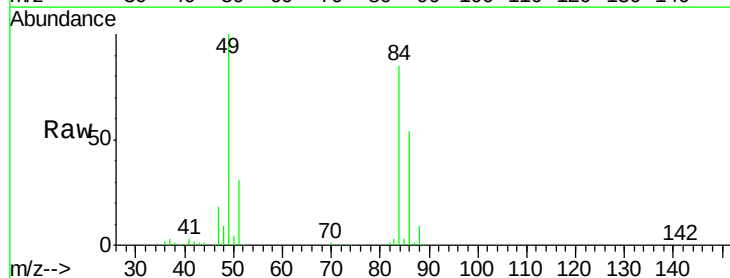
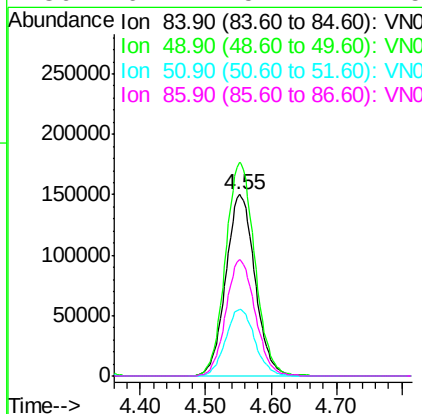
Manual Integrations
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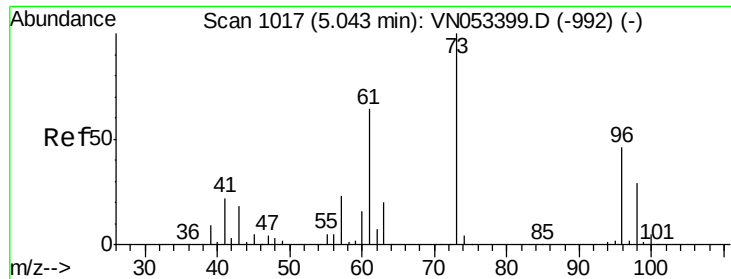
MMDadoda
1/16/2019 9:50:49 AM



#20
Methylene Chloride
Concen: 49.100 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053399.D
Acq: 15 Jan 2019 10:35

Tgt Ion: 84 Resp: 464939
Ion Ratio Lower Upper
84 100
49 117.9 95.3 142.9
51 36.8 29.0 43.6
86 64.2 51.7 77.5





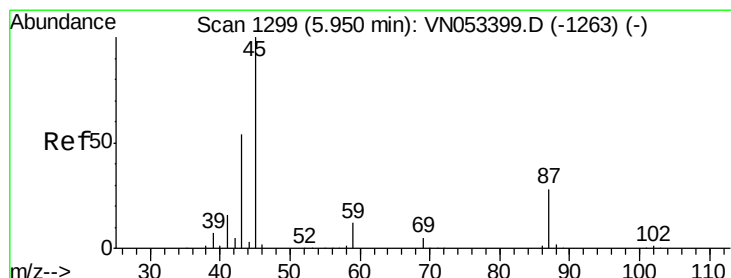
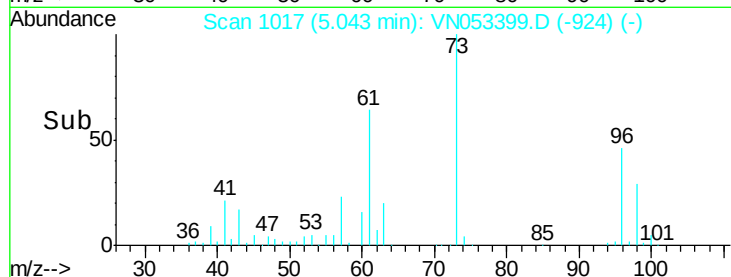
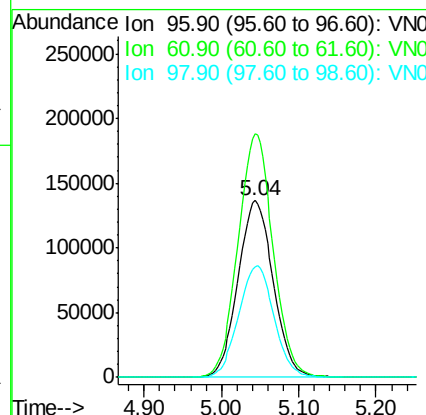
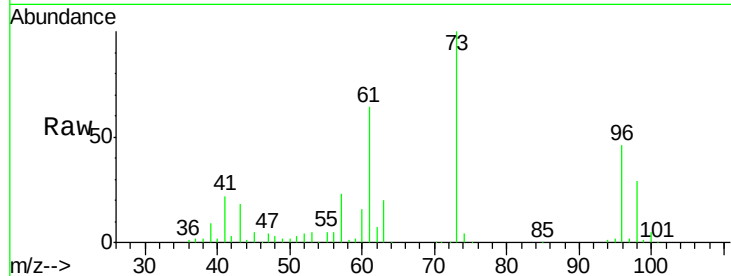
#21
trans-1,2-Dichloroethene
Concen: 50.789 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053399.D
Acq: 15 Jan 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.6	110.2	165.4
98	62.5	50.7	76.1

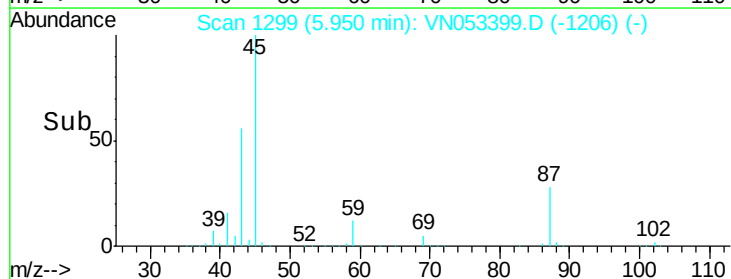
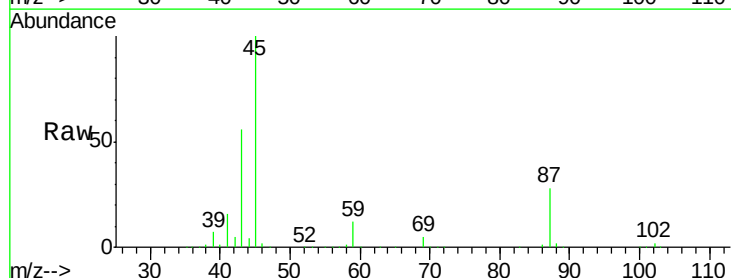
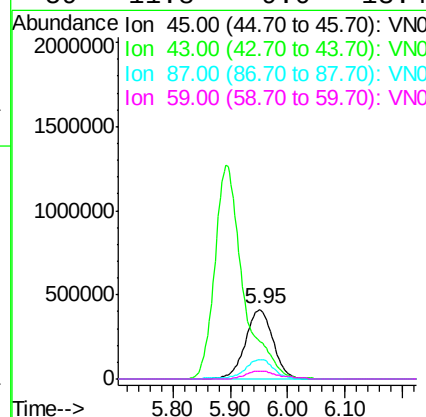
Manual Integrations
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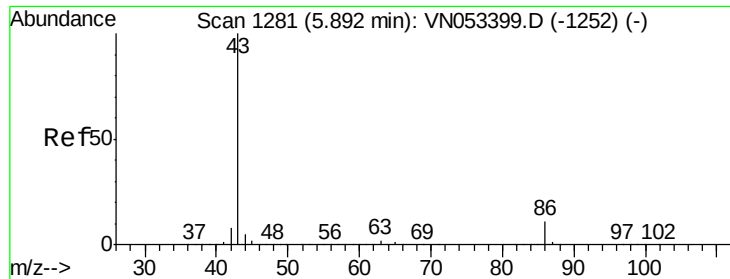
MMDadoda
1/16/2019 9:50:49 AM



#22
Diisopropyl ether
Concen: 51.417 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN053399.D
Acq: 15 Jan 2019 10:35

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.3	43.0	64.6
87	28.4	22.1	33.1
59	11.8	9.0	13.4





#23

Vinyl Acetate

Concen: 262.767 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VN053399.D

Acq: 15 Jan 2019 10:35

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 4361450

Ion Ratio Lower Upper

43 100

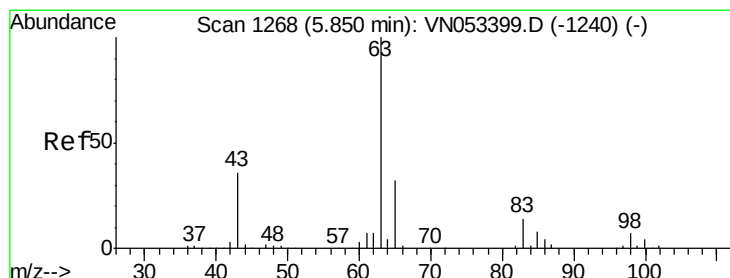
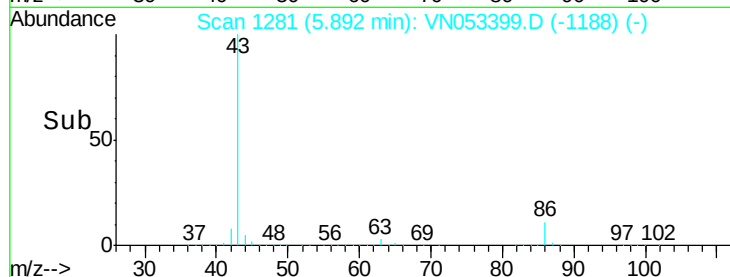
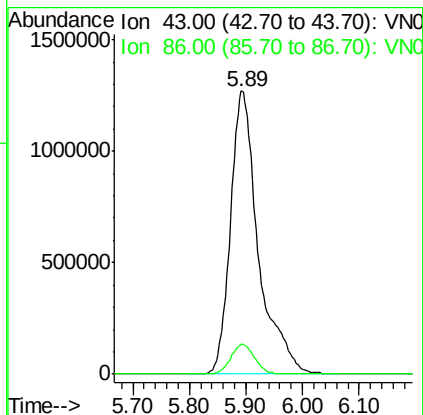
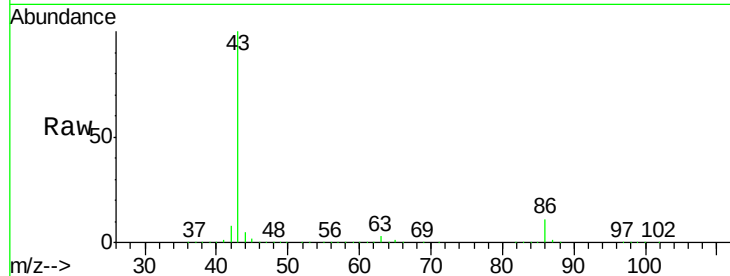
86 10.5 8.4 12.6

Manual Integrations

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MMDadoda

1/16/2019 9:50:49 AM



#24

1,1-Dichloroethane

Concen: 50.547 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN053399.D

Acq: 15 Jan 2019 10:35

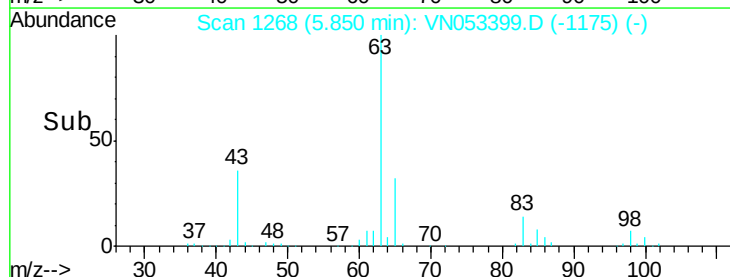
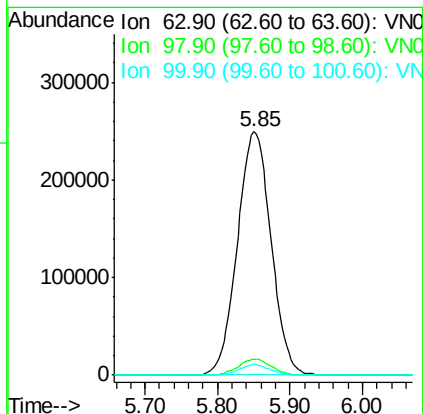
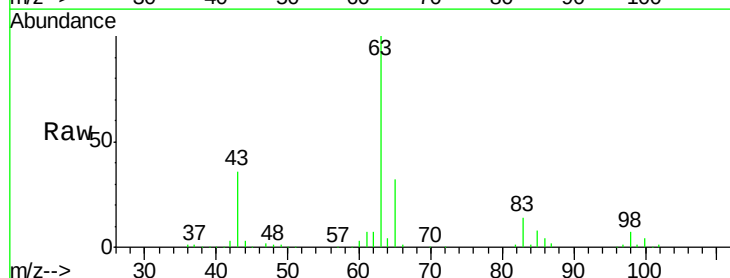
Tgt Ion: 63 Resp: 806854

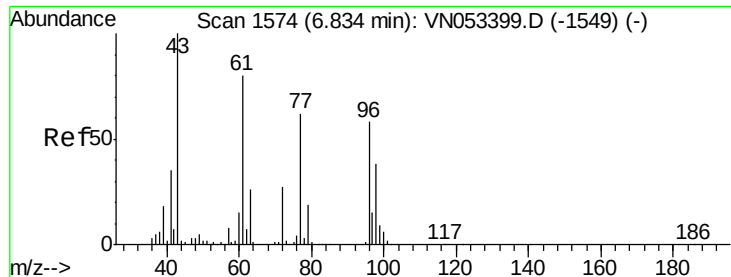
Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.8

100 4.3 2.1 6.5





#25

2-Butanone

Concen: 253.080 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053399.D

Acq: 15 Jan 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 808883

Ion Ratio Lower Upper

43 100

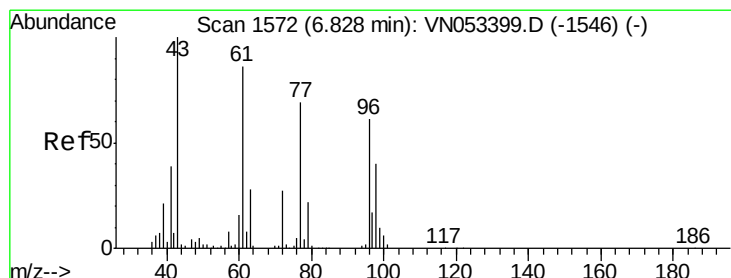
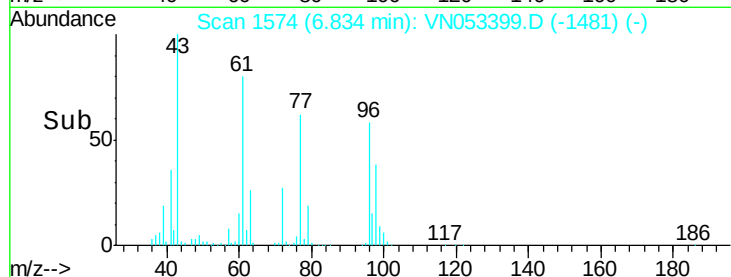
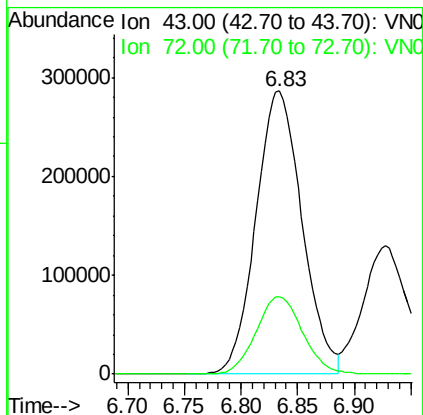
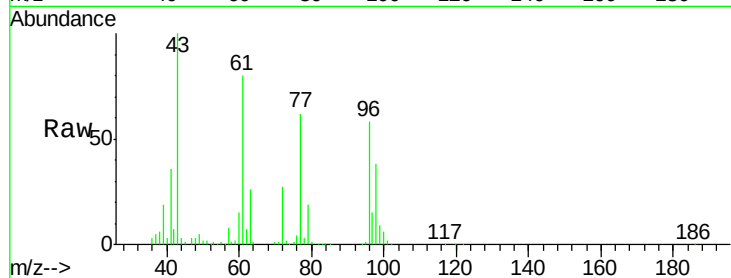
72 27.5 22.0 33.0

Manual Integrations

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MMDadoda

1/16/2019 9:50:49 AM



#26

2,2-Dichloropropane

Concen: 50.032 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053399.D

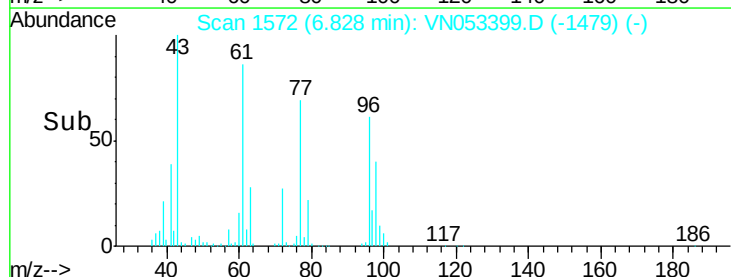
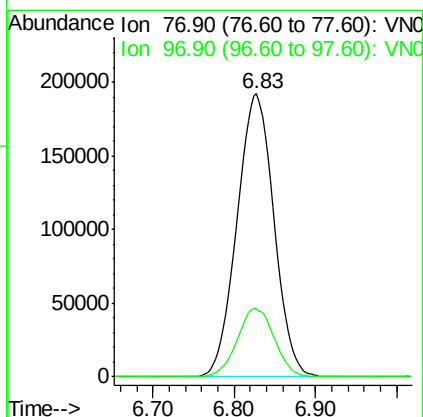
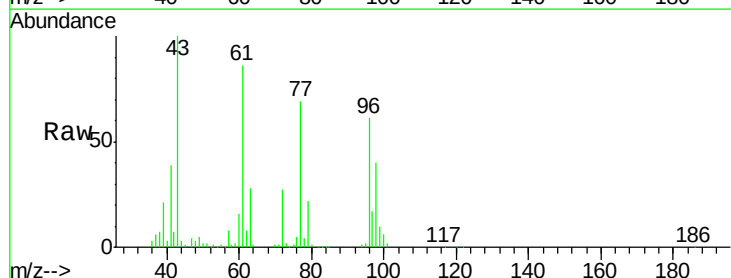
Acq: 15 Jan 2019 10:35

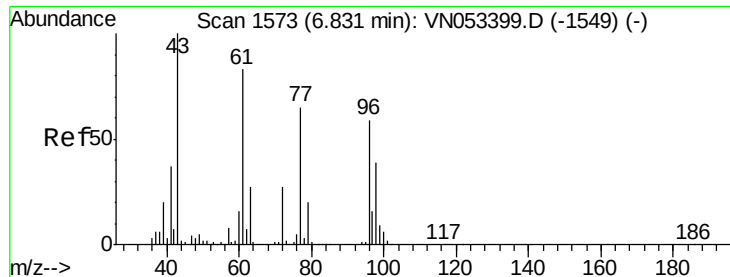
Tgt Ion: 77 Resp: 602977

Ion Ratio Lower Upper

77 100

97 24.4 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 50.686 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053399.D

Acq: 15 Jan 2019 10:35

Instrument :

MSVOA_N

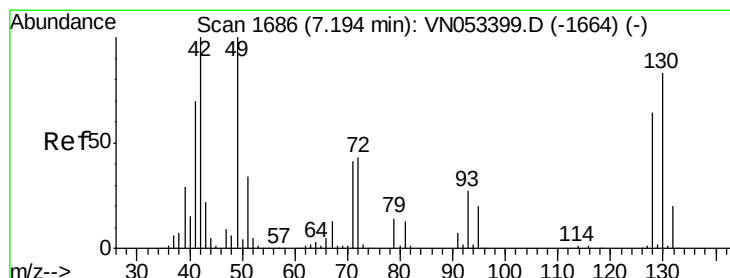
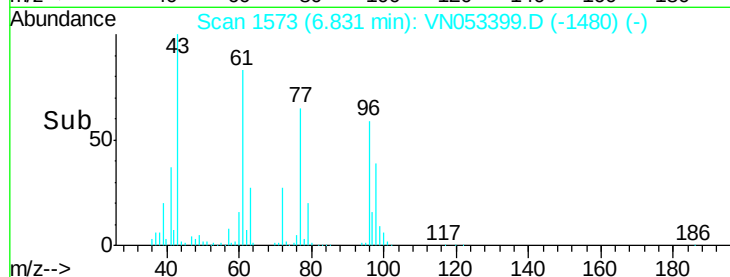
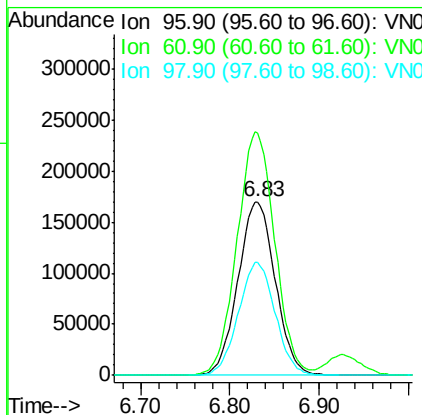
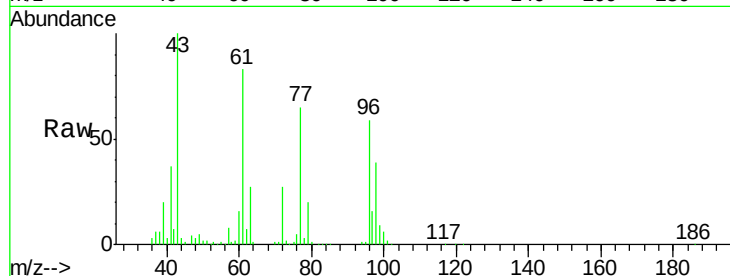
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	493413
Ion	Ratio	Lower	Upper
96	100		
61	141.9	0.0	280.6
98	64.6	0.0	127.6

Manual Integrations
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#28

Bromochloromethane

Concen: 50.407 ug/l

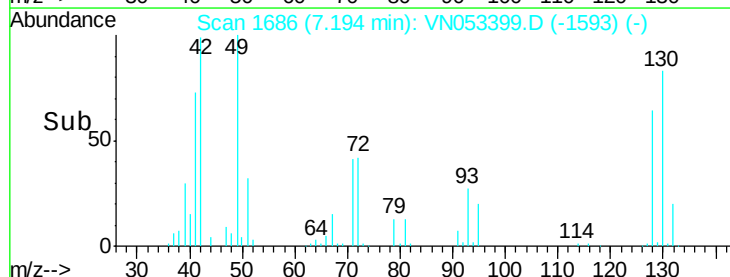
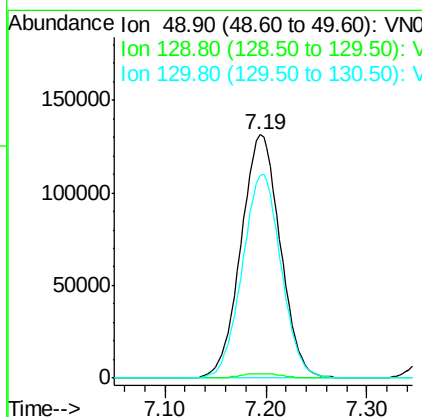
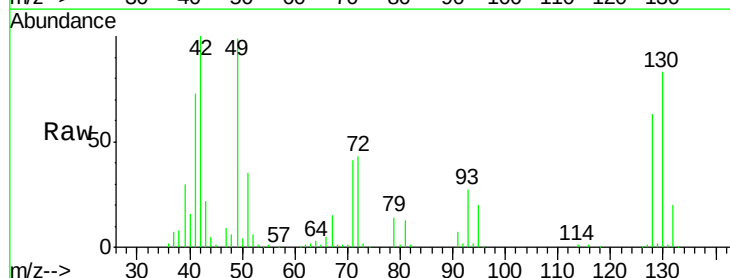
RT: 7.19 min Scan# 1686

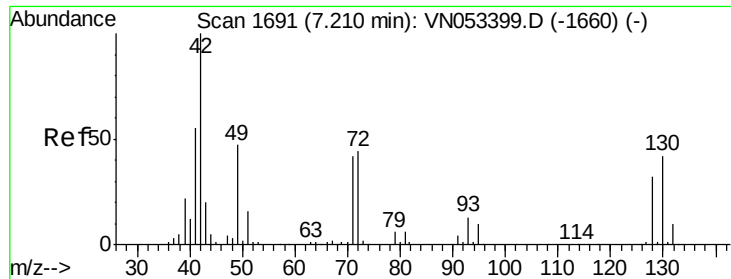
Delta R.T. 0.00 min

Lab File: VN053399.D

Acq: 15 Jan 2019 10:35

Tgt Ion:	49	Resp:	354468
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	82.9	65.4	98.0





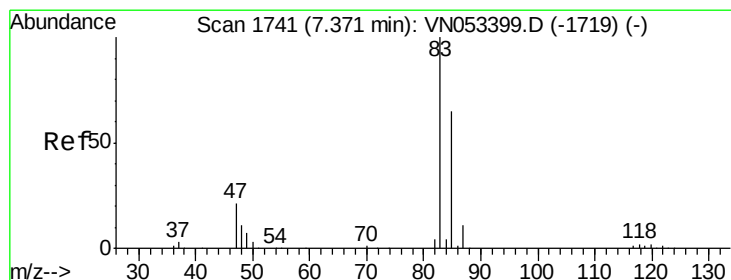
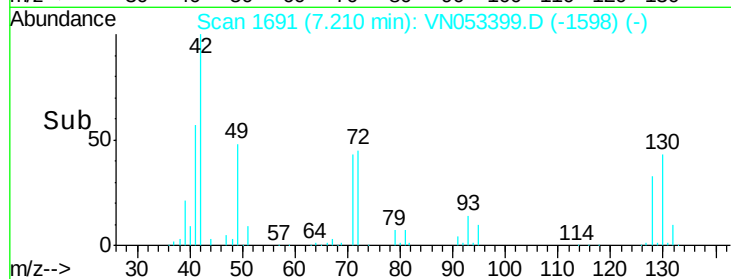
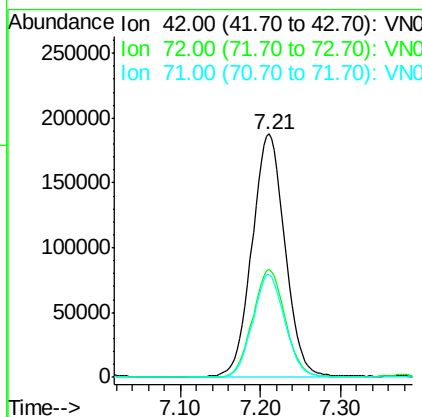
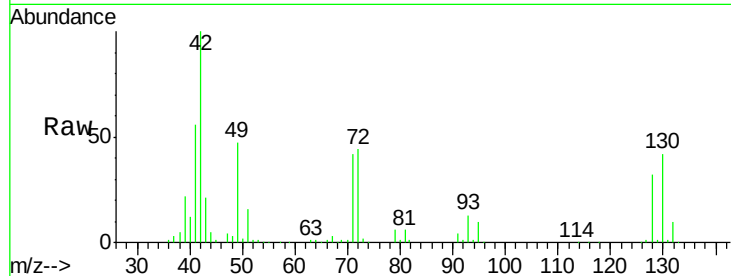
#29
Tetrahydrofuran
Concen: 254.648 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053399.D
Acq: 15 Jan 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	35.6	53.4
71	41.2	33.8	50.8

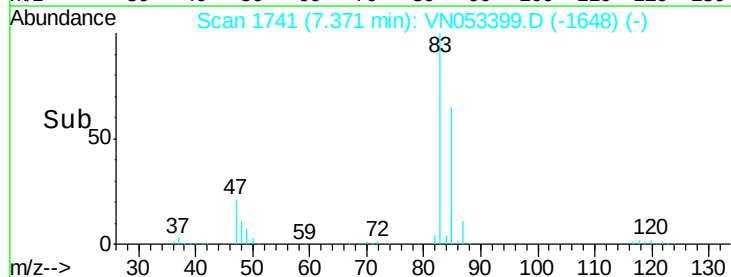
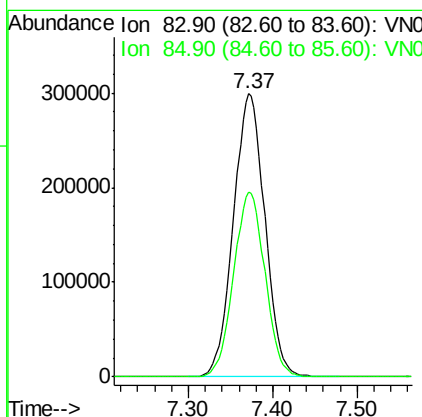
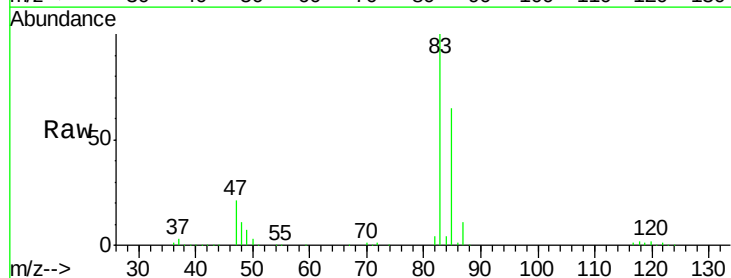
Manual Integrations
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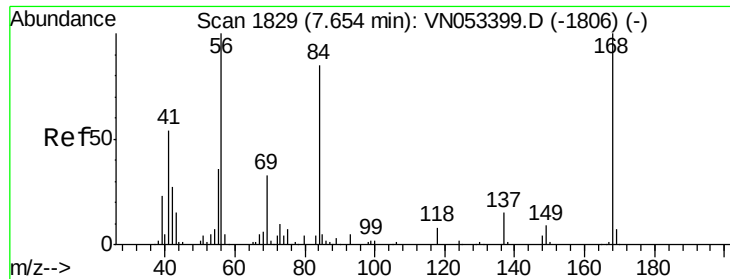
MMDadoda
1/16/2019 9:50:49 AM



#30
Chloroform
Concen: 50.132 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053399.D
Acq: 15 Jan 2019 10:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.3	76.9





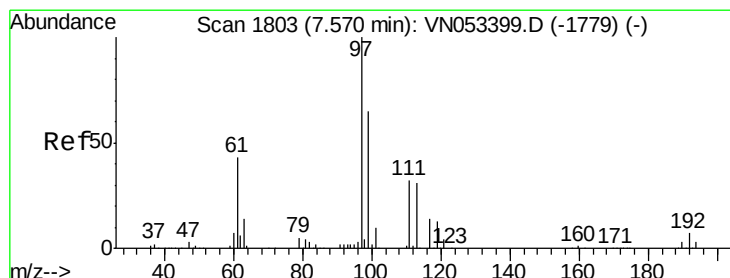
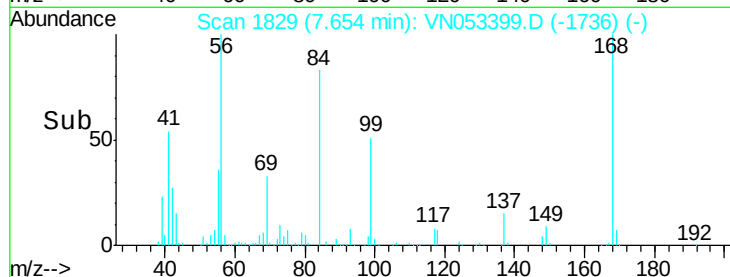
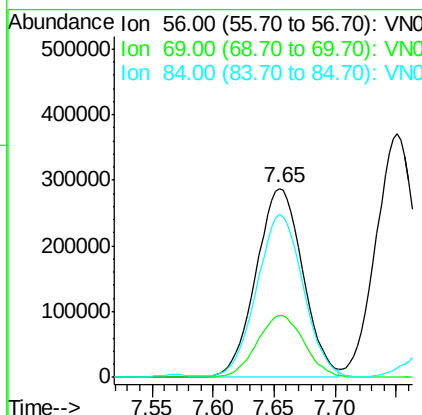
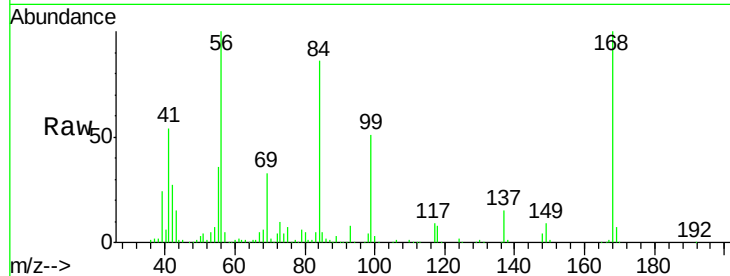
#31
Cyclohexane
Concen: 49.314 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN053399.D
Acq: 15 Jan 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.0	26.7	40.1
84	84.9	68.2	102.4

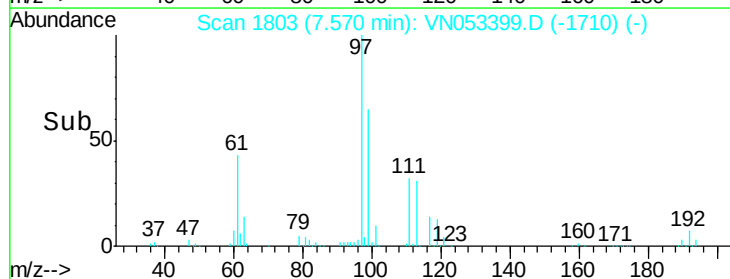
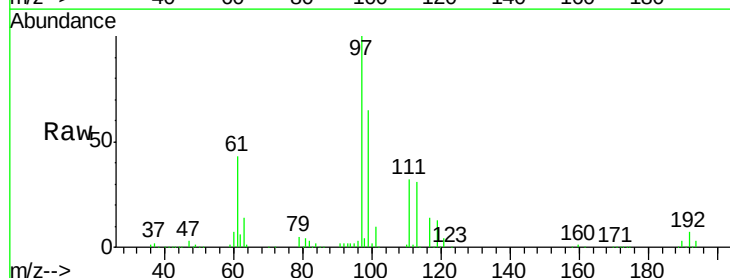
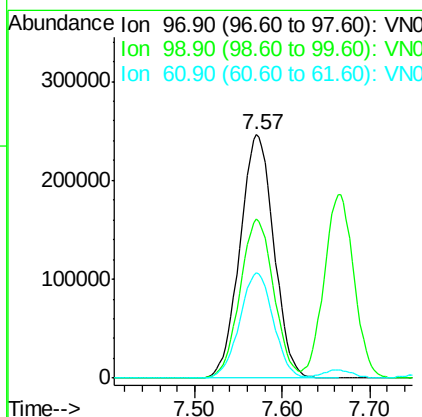
Manual Integrations
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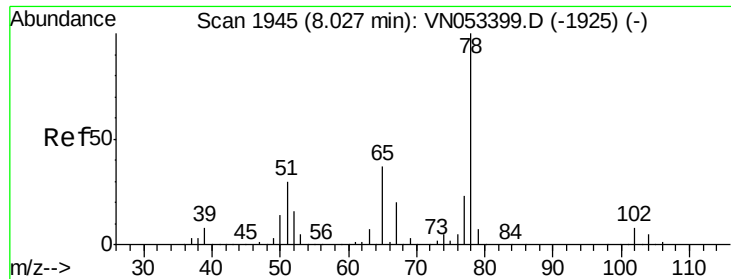
MMDadoda
1/16/2019 9:50:49 AM



#32
1,1,1-Trichloroethane
Concen: 50.057 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN053399.D
Acq: 15 Jan 2019 10:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.6	77.4
61	43.0	34.6	52.0





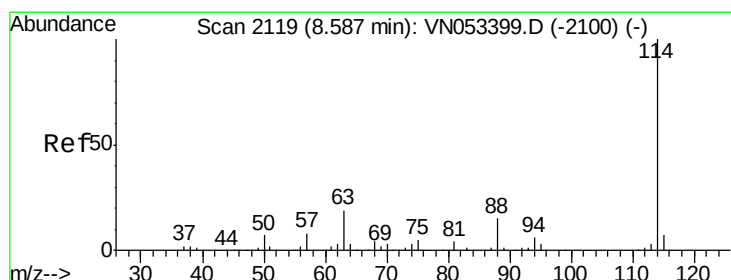
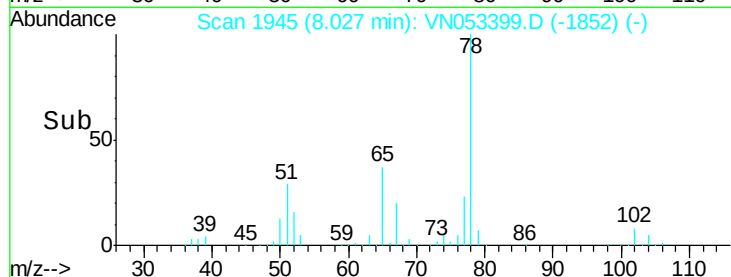
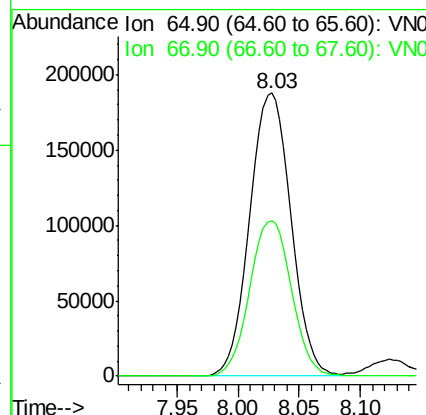
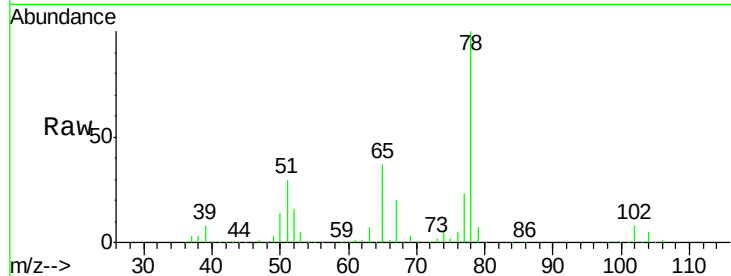
#33
 1,2-Dichloroethane-d4
 Concen: 50.057 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053399.D
 Acq: 15 Jan 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.6	0.0	111.0	

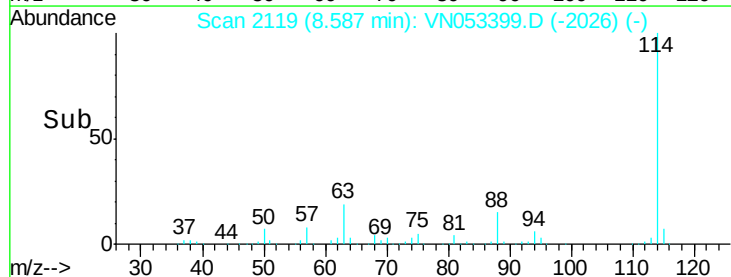
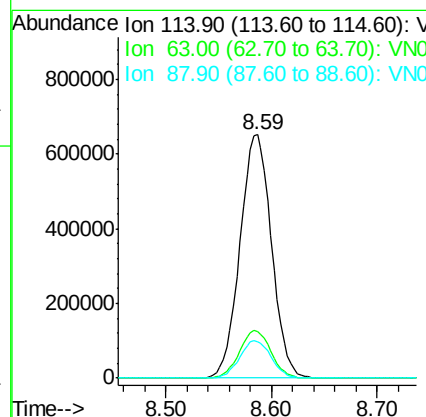
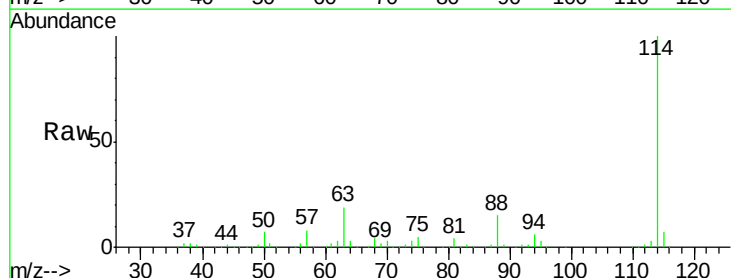
Manual Integrations
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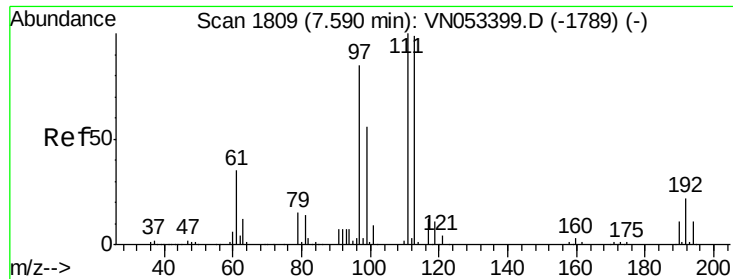
MMDadoda
 1/16/2019 9:50:49 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053399.D
 Acq: 15 Jan 2019 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.3	0.0	39.0	
88	15.2	0.0	30.8	





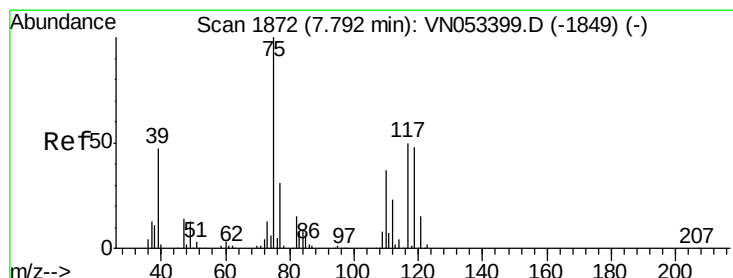
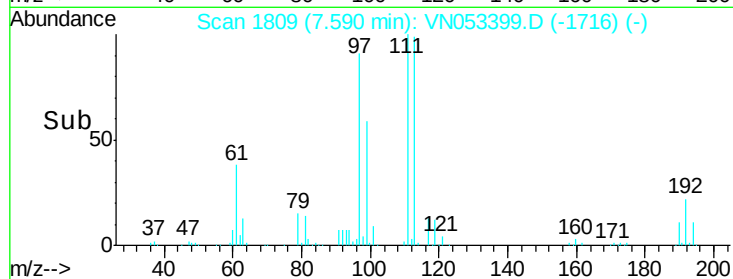
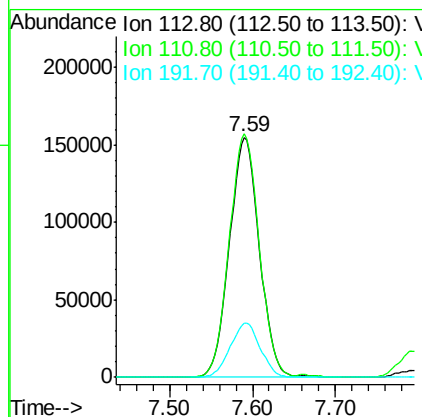
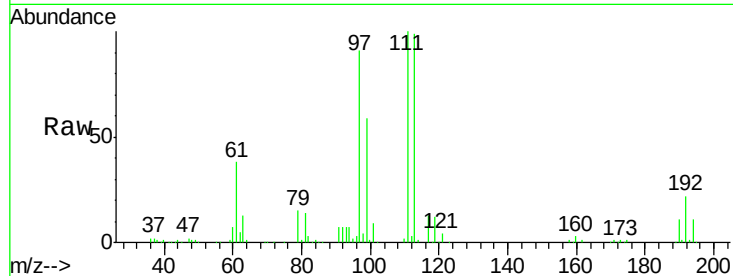
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053399.D
 Acq: 15 Jan 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	389403		
111	101.4	81.4	122.2	
192	22.7	17.9	26.9	

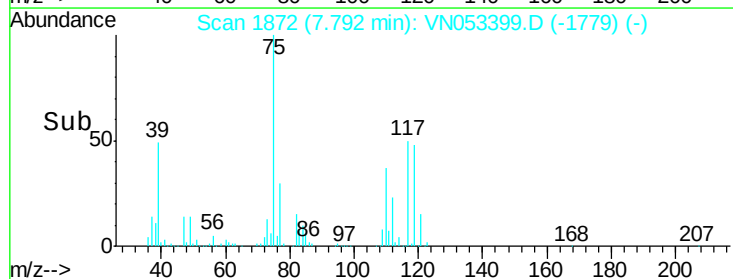
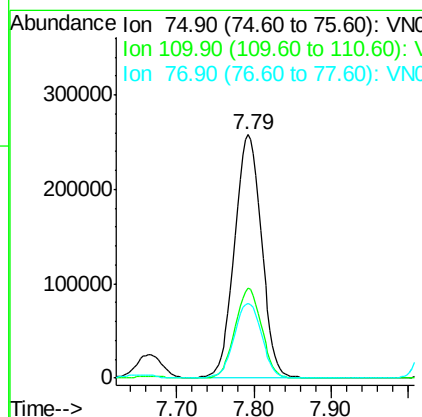
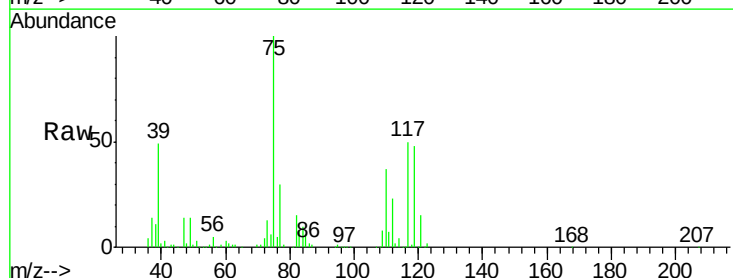
Manual Integrations
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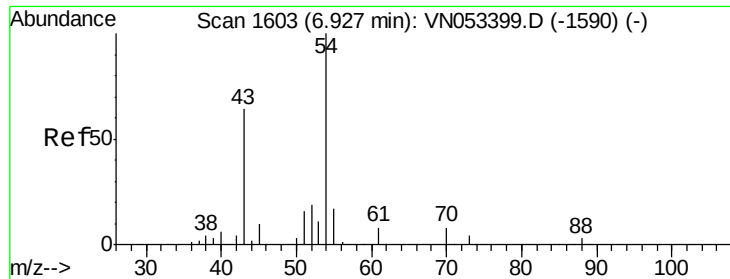
MMDadoda
 1/16/2019 9:50:49 AM



#36
 1,1-Dichloropropene
 Concen: 50.449 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053399.D
 Acq: 15 Jan 2019 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	620402		
110	36.2	18.4	55.0	
77	31.4	25.3	37.9	





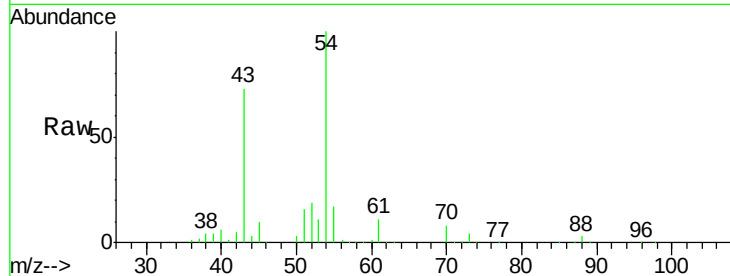
#37
Ethyl Acetate
Concen: 51.391 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053399.D
Acq: 15 Jan 2019 10:35

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	43	61	70
Resp	366621		
Ratio	100	14.7	10.7
Lower		11.9	8.6
Upper		17.9	13.0

Manual Integrations
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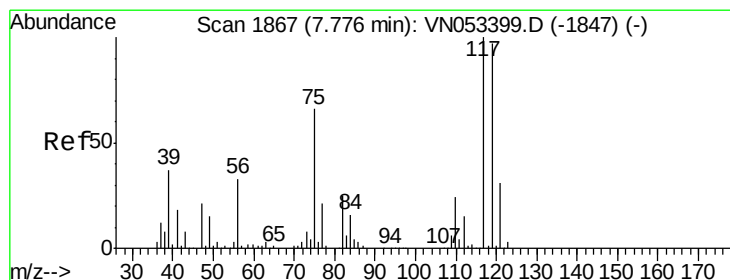
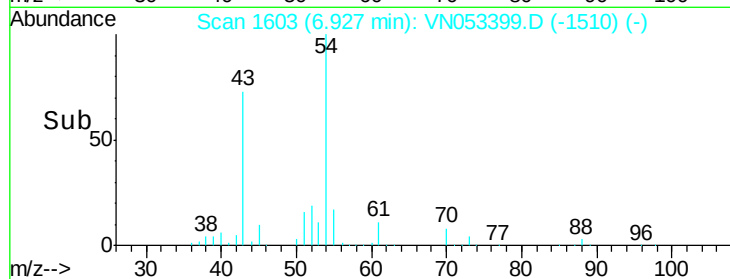
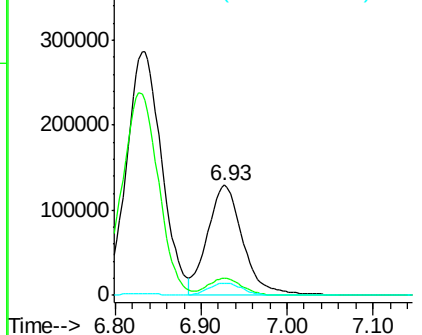


Abundance

Ion 43.00 (42.70 to 43.70): VN053399.D (-1590) (-)

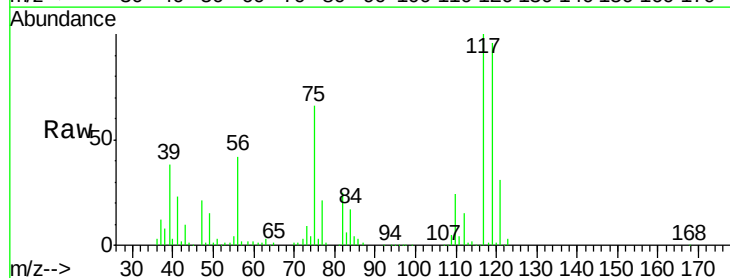
Ion 60.90 (60.60 to 61.60): VN053399.D (-1590) (-)

Ion 70.00 (69.70 to 70.70): VN053399.D (-1590) (-)



#38
Carbon Tetrachloride
Concen: 50.021 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053399.D
Acq: 15 Jan 2019 10:35

Tgt Ion	117	119	121
Resp	582377		
Ratio	100	96.5	30.8
Lower		76.6	25.0
Upper		115.0	37.4

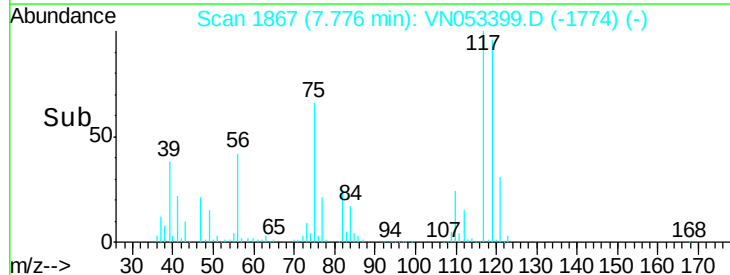
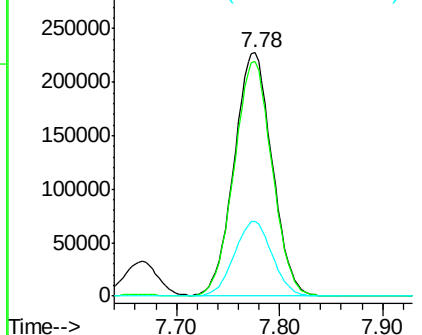


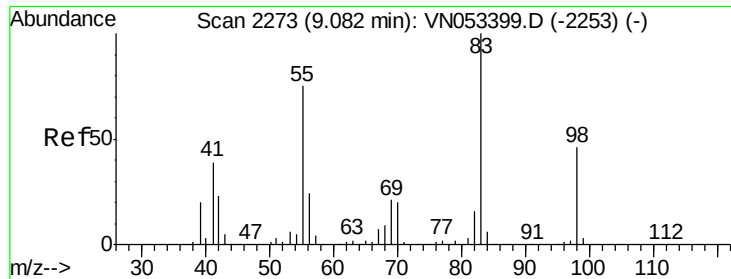
Abundance

Ion 116.80 (116.50 to 117.50): VN053399.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN053399.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN053399.D (-1847) (-)





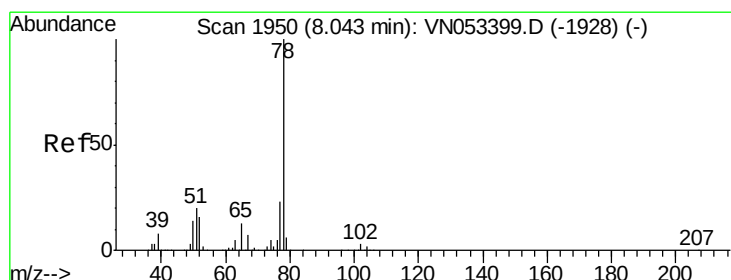
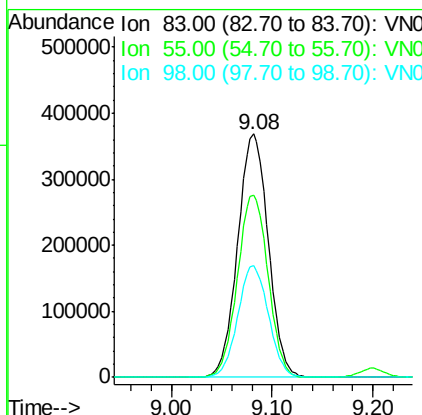
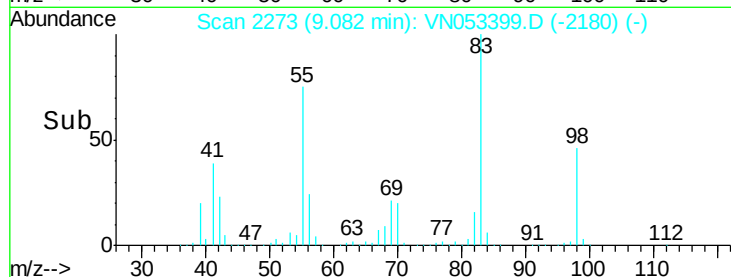
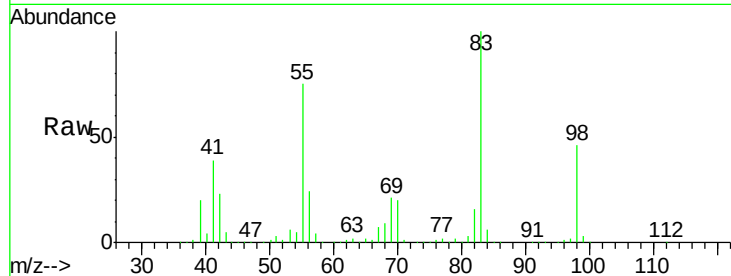
#39
Methylvlcyclohexane
Concen: 50.914 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053399.D
Acq: 15 Jan 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	773886		
55	75.1		60.1	90.1
98	45.8		36.7	55.1

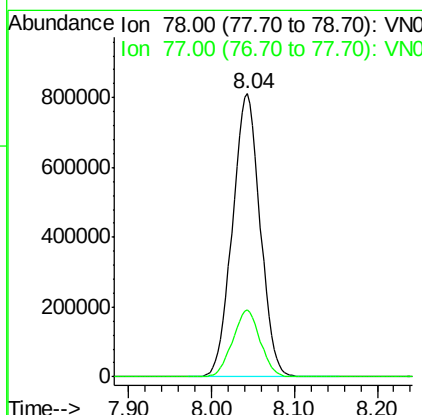
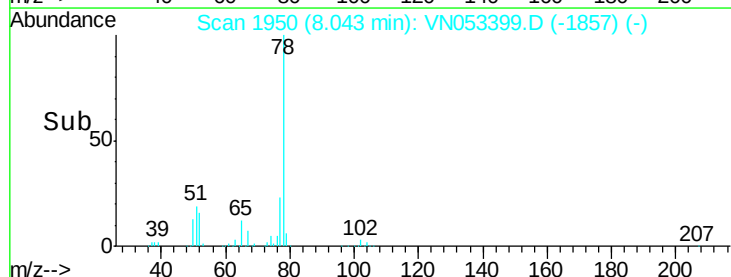
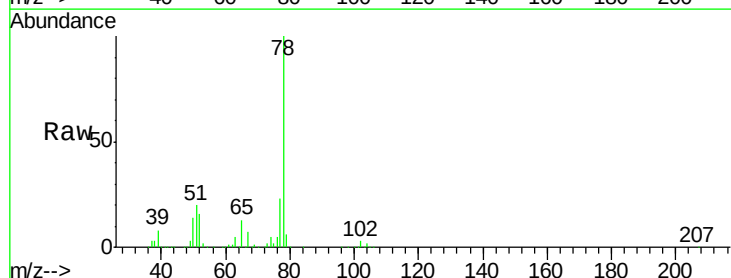
Manual Integrations
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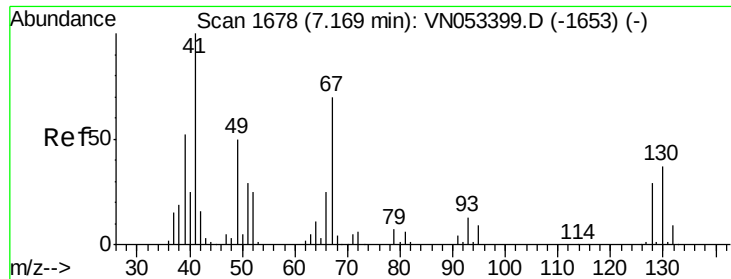
MMDadoda
1/16/2019 9:50:49 AM



#40
Benzene
Concen: 50.472 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053399.D
Acq: 15 Jan 2019 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1886171		
77	23.5		19.0	28.4





#41

Methacrylonitrile

Concen: 49.576 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN053399.D

Acq: 15 Jan 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 41 Resp: 218701
Ion Ratio Lower Upper

41 100

39 58.5 0.0 0.0#

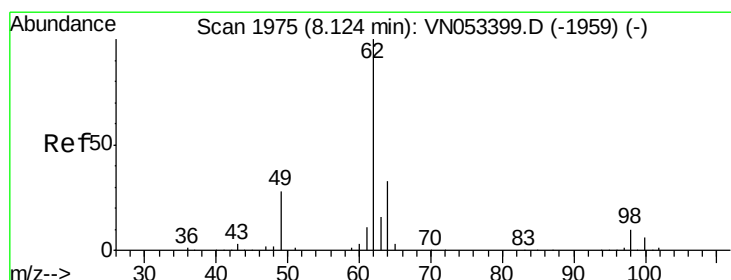
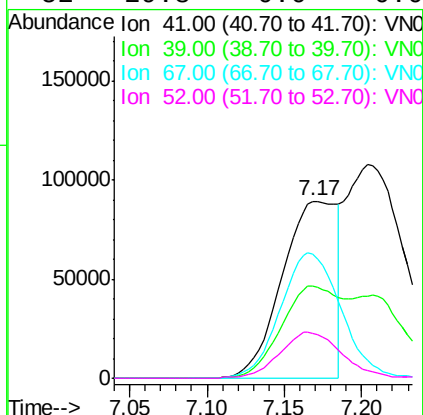
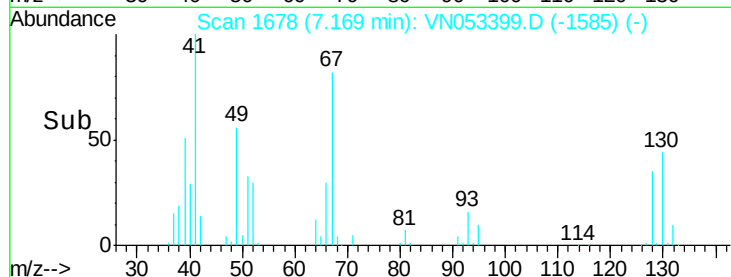
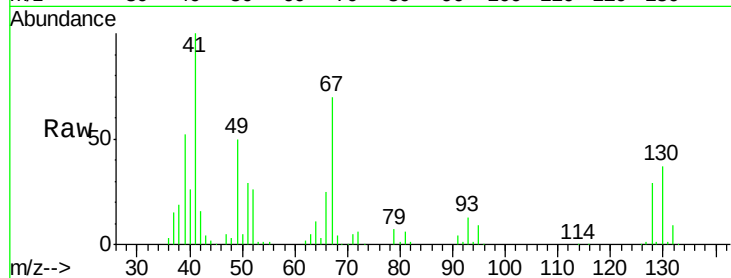
67 78.8 0.0 0.0#

52 29.8 0.0 0.0#

Manual Integrations
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MMDadoda

1/16/2019 9:50:49 AM



#42

1,2-Dichloroethane

Concen: 50.112 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

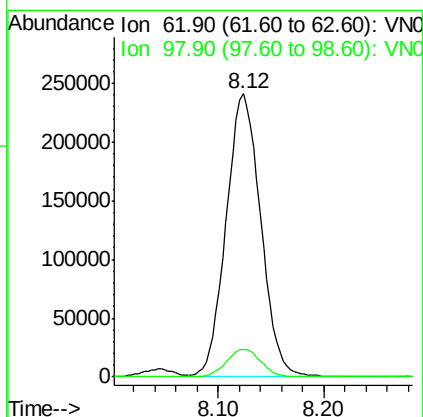
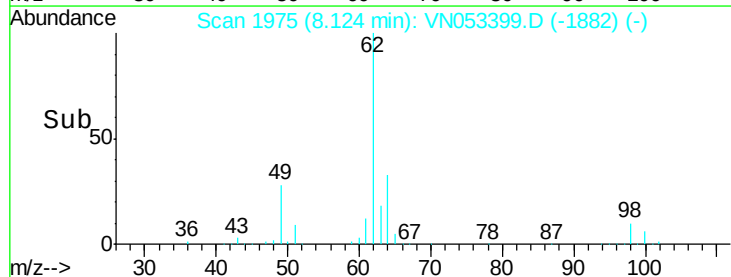
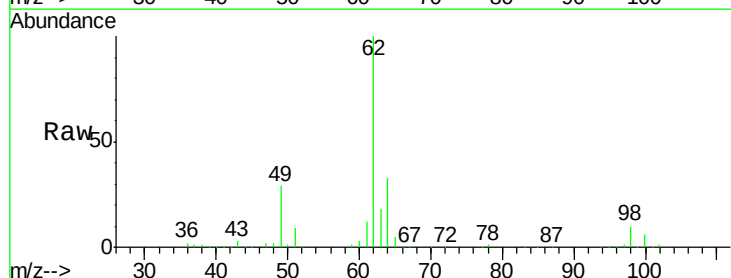
Lab File: VN053399.D

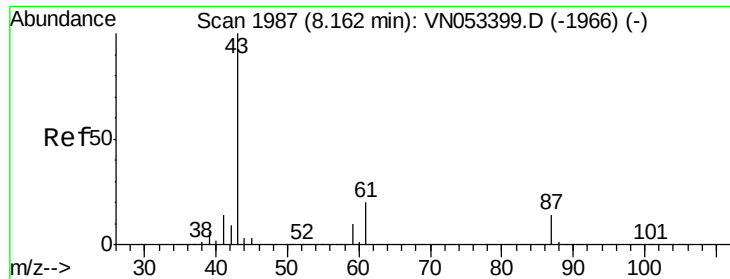
Acq: 15 Jan 2019 10:35

Tgt Ion: 62 Resp: 545571
Ion Ratio Lower Upper

62 100

98 9.8 0.0 20.2





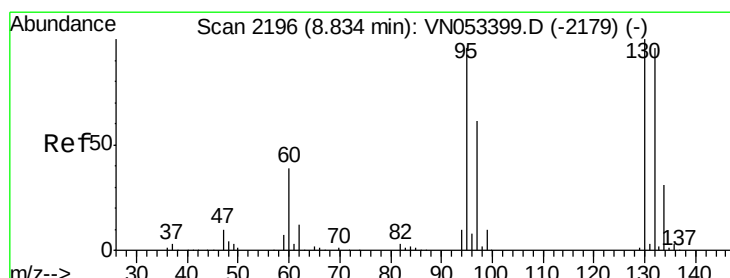
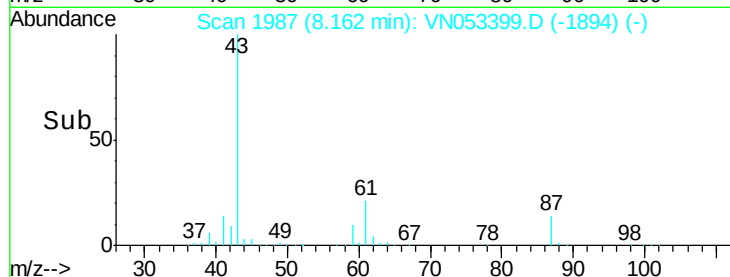
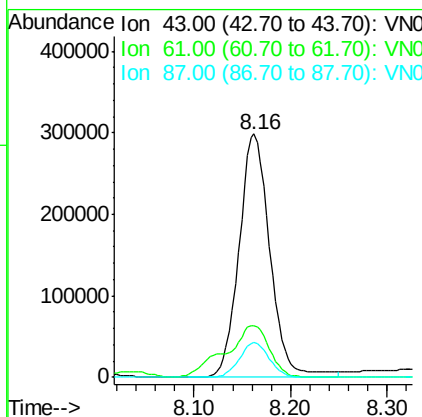
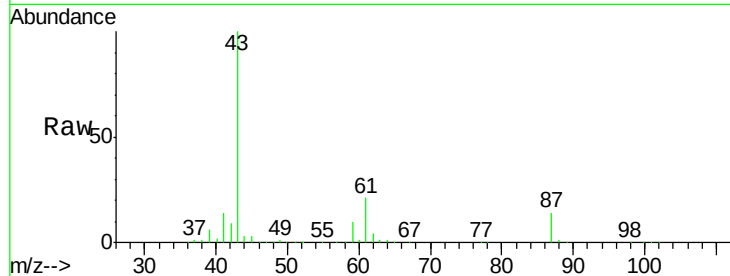
#43
Isopropyl Acetate
Concen: 49.919 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN053399.D
Acq: 15 Jan 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.9	23.3	34.9
87	13.8	10.8	16.2

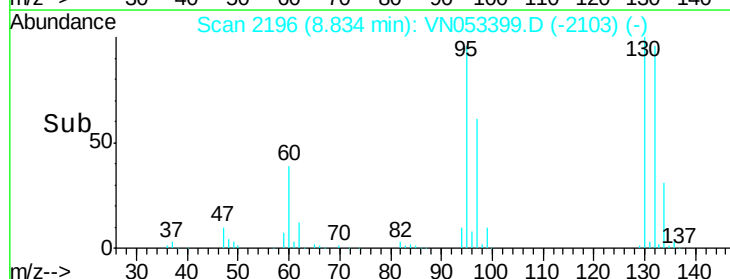
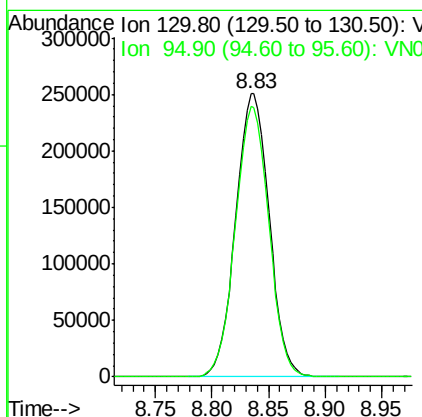
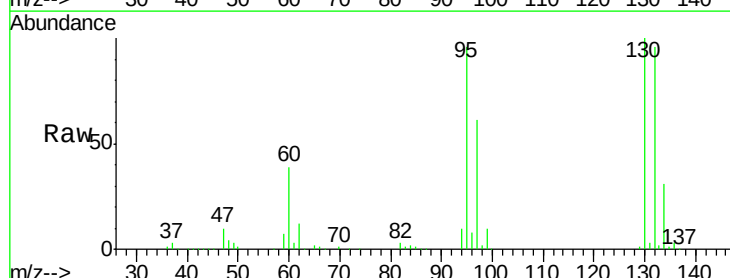
Manual Integrations
APPROVED

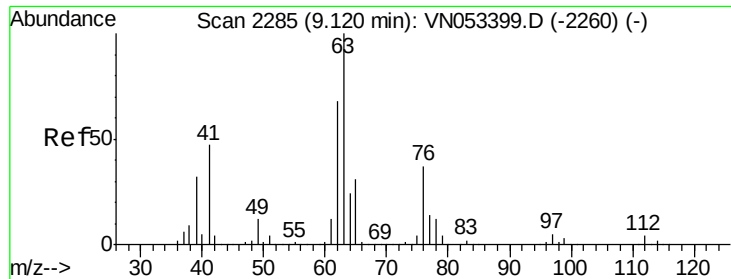
MMDadoda
1/16/2019 9:50:49 AM



#44
Trichloroethene
Concen: 49.995 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN053399.D
Acq: 15 Jan 2019 10:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.7	0.0	191.8





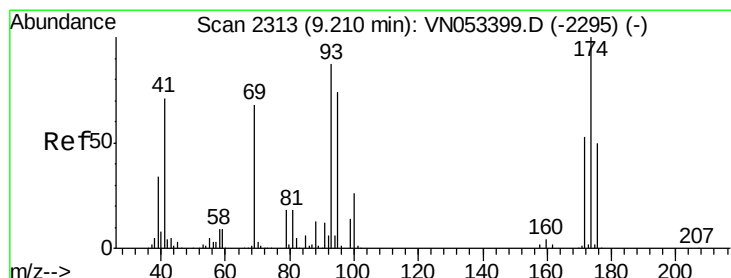
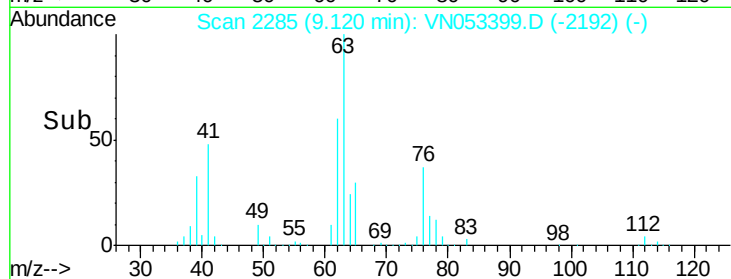
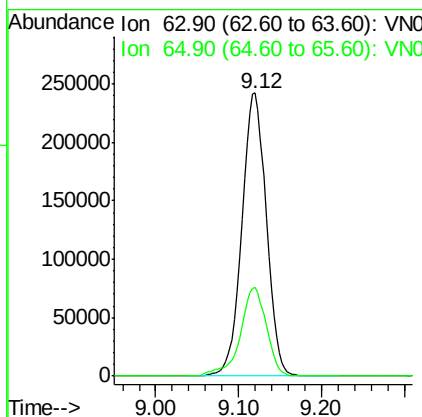
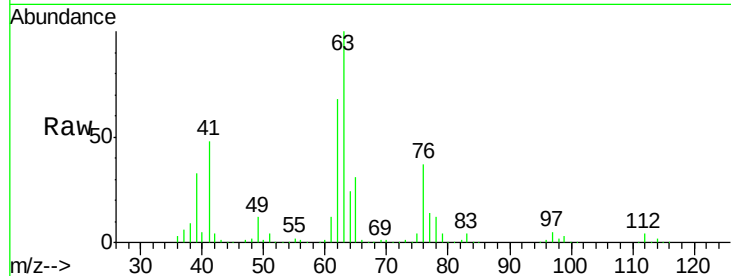
#45
 1,2-Dichloropropane
 Concen: 50.194 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053399.D
 Acq: 15 Jan 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	25.0	37.6

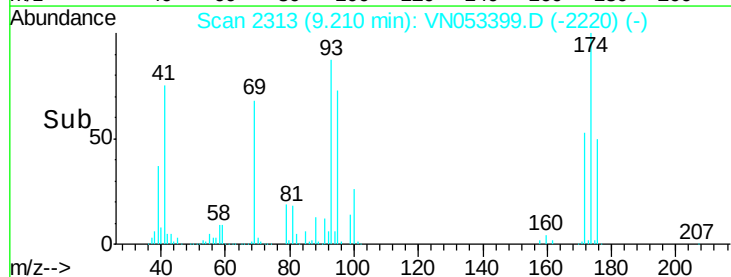
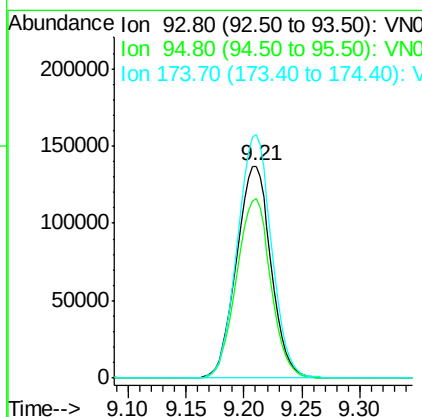
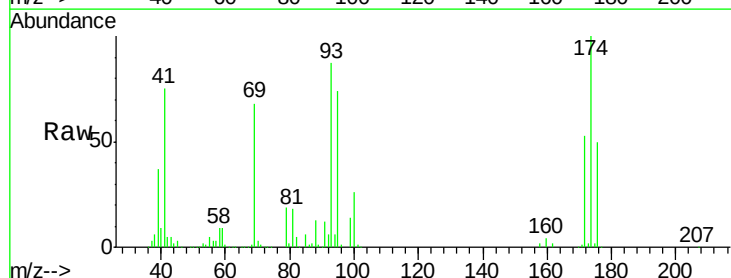
Manual Integrations
 APPROVED

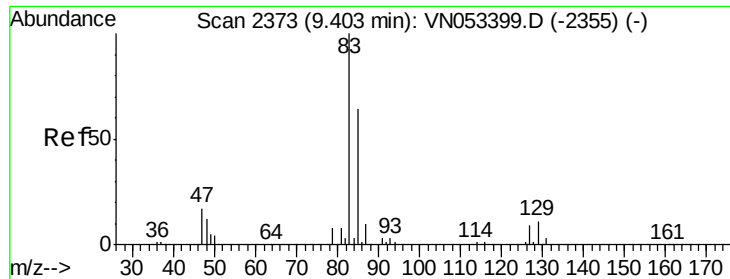
MMDadoda
 1/16/2019 9:50:49 AM



#46
 Dibromomethane
 Concen: 49.772 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053399.D
 Acq: 15 Jan 2019 10:35

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.1	66.6	100.0
174	113.7	91.4	137.0





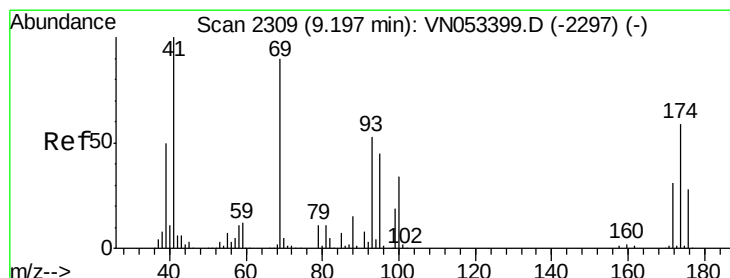
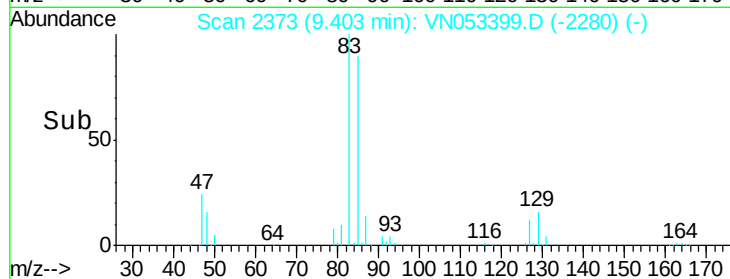
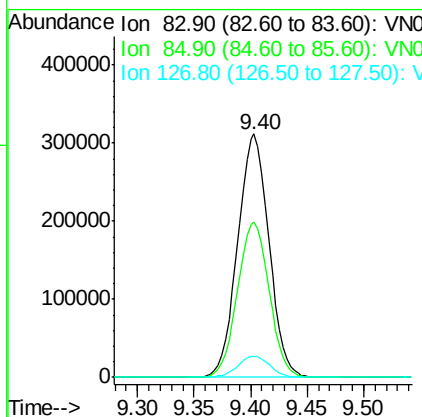
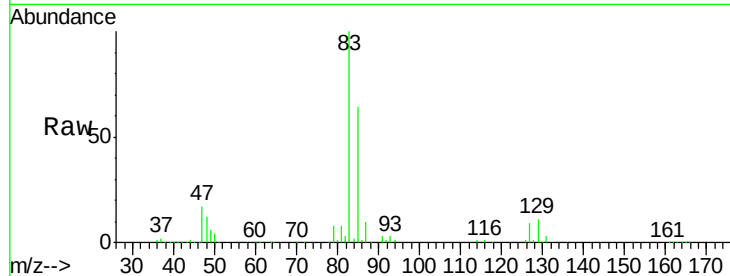
#47
Bromodichloromethane
Concen: 50.288 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053399.D
Acq: 15 Jan 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	601426
Ion Ratio	100	Lower	Upper
83	100		
85	63.8	51.7	77.5
127	8.8	7.0	10.6

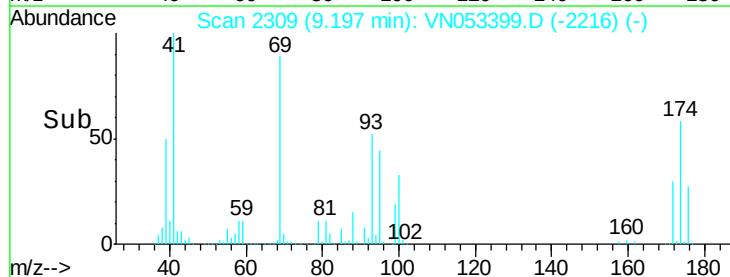
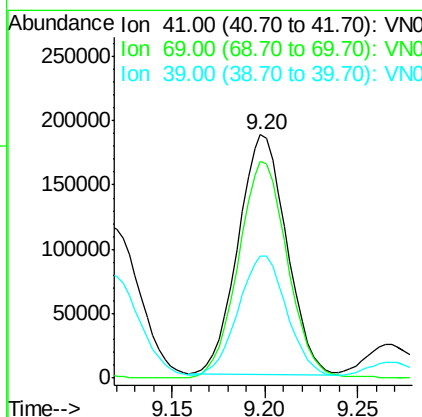
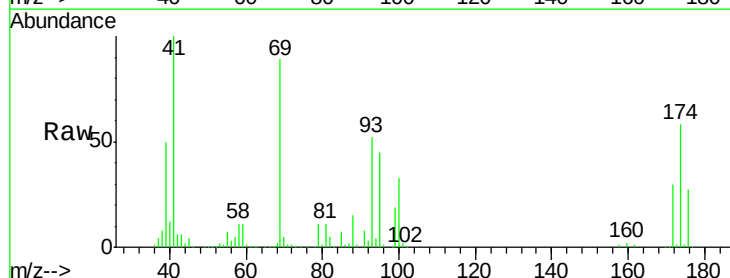
Manual Integrations
APPROVED

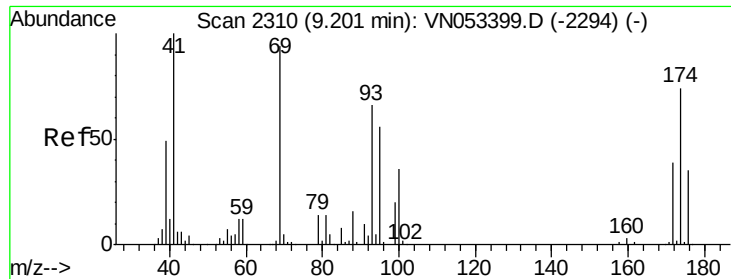
MMDadoda
1/16/2019 9:50:49 AM



#48
Methyl methacrylate
Concen: 51.565 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053399.D
Acq: 15 Jan 2019 10:35

Tgt Ion	41	Resp	338716
Ion Ratio	100	Lower	Upper
41	100		
69	92.2	73.5	110.3
39	50.0	41.6	62.4





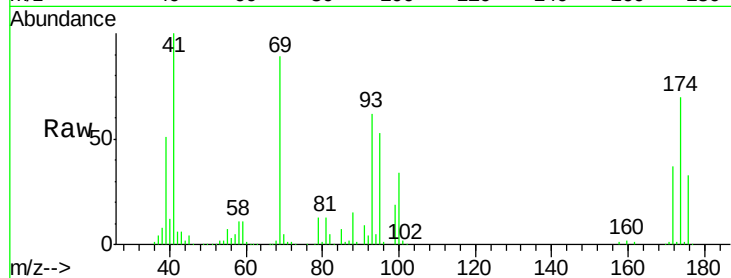
#49
 1,4-Dioxane
 Concen: 931.462 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN053399.D
 Acq: 15 Jan 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	88	Resp	59755
Ion	Ratio	Lower	Upper
88	100		
43	34.7	26.2	39.4
58	70.6	55.5	83.3

Manual Integrations
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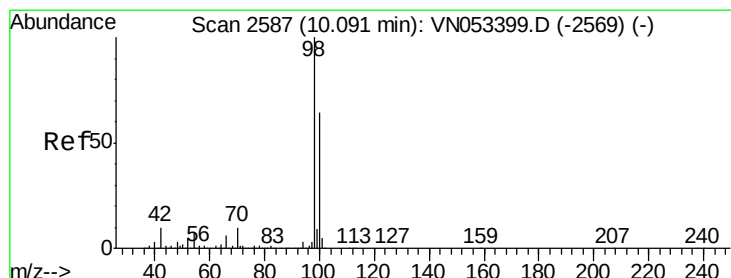
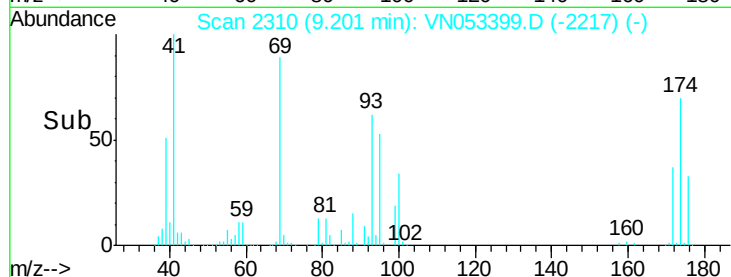
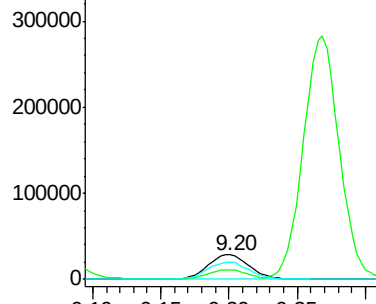
MMDadoda
 1/16/2019 9:50:49 AM



Abundance Ion 88.00 (87.70 to 88.70): VN053399.D (-2294) (-)

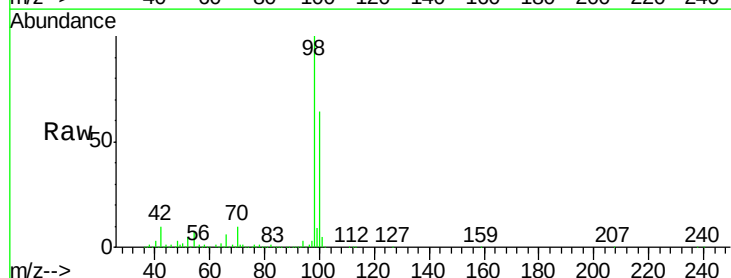
Ion 43.00 (42.70 to 43.70): VN053399.D (-2294) (-)

Ion 58.00 (57.70 to 58.70): VN053399.D (-2294) (-)



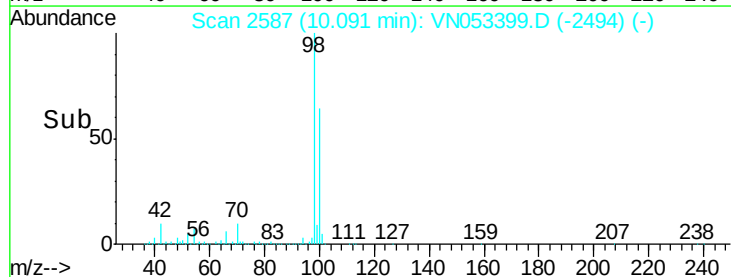
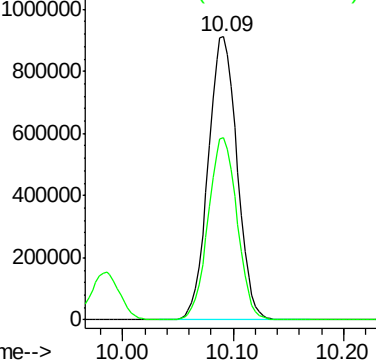
#50
 Toluene-d8
 Concen: 931.462 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN053399.D
 Acq: 15 Jan 2019 10:35

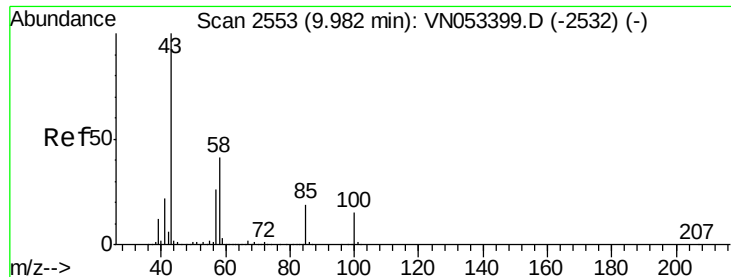
Tgt Ion	98	Resp	1655557
Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.5	77.3



Abundance Ion 98.00 (97.70 to 98.70): VN053399.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN053399.D (-2569) (-)





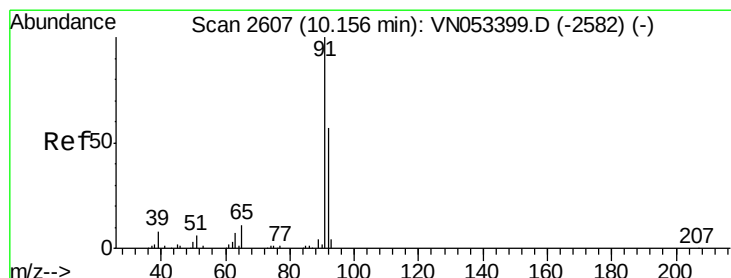
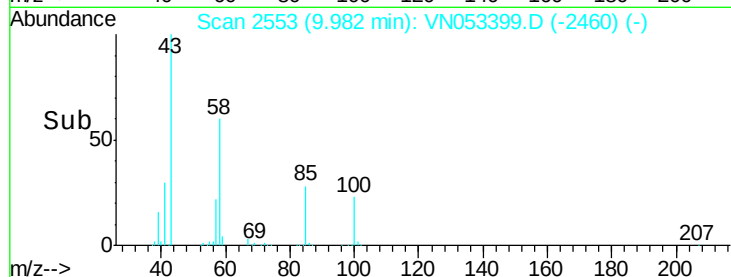
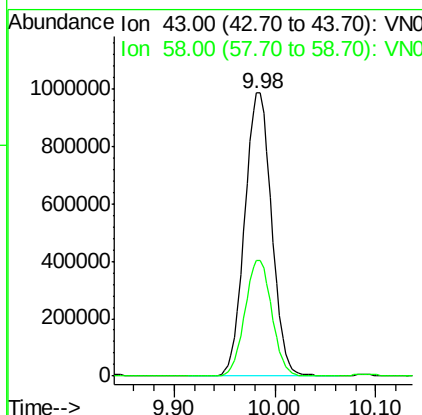
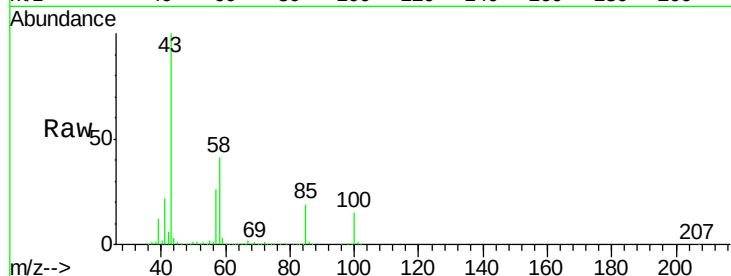
#51
4-Methyl-2-Pentanone
Concen: 260.709 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN053399.D
Acq: 15 Jan 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1810604
Ion Ratio Lower Upper
43 100
58 41.0 32.7 49.1

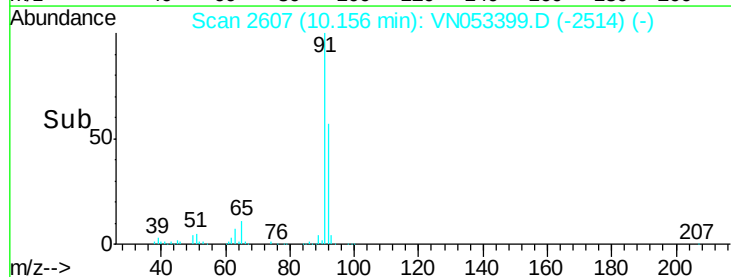
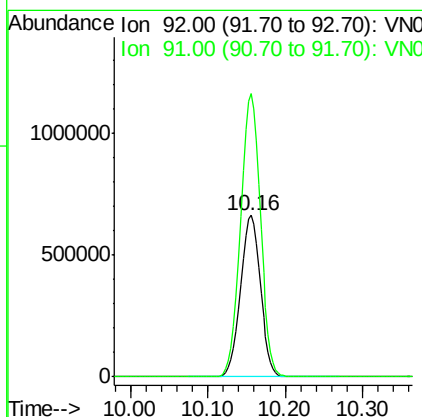
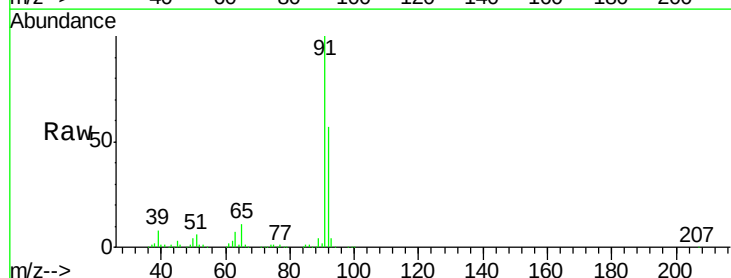
Manual Integrations
APPROVED

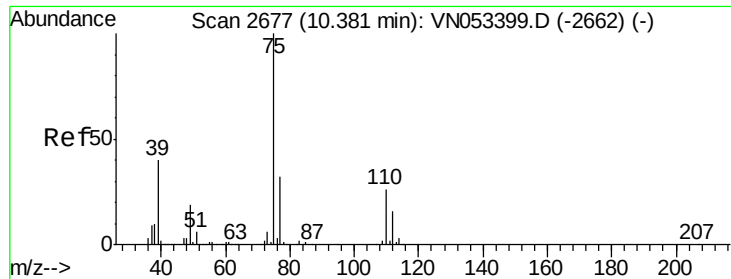
MMDadoda
1/16/2019 9:50:49 AM



#52
Toluene
Concen: 50.754 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN053399.D
Acq: 15 Jan 2019 10:35

Tgt Ion: 92 Resp: 1177524
Ion Ratio Lower Upper
92 100
91 174.9 138.6 208.0





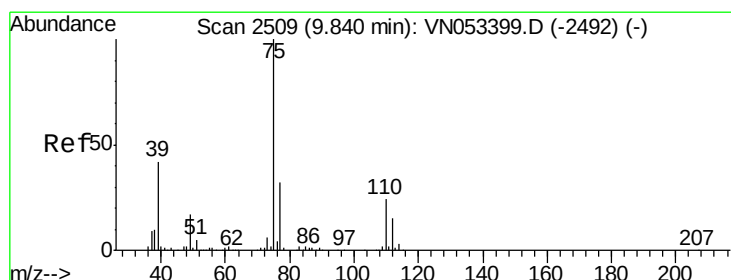
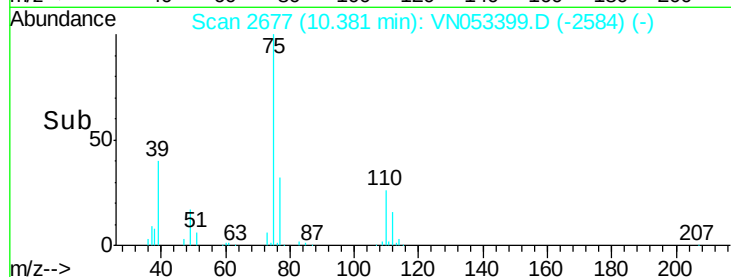
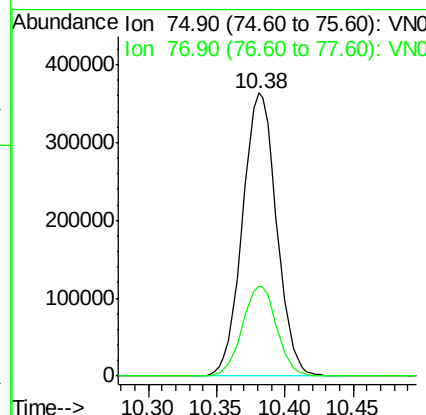
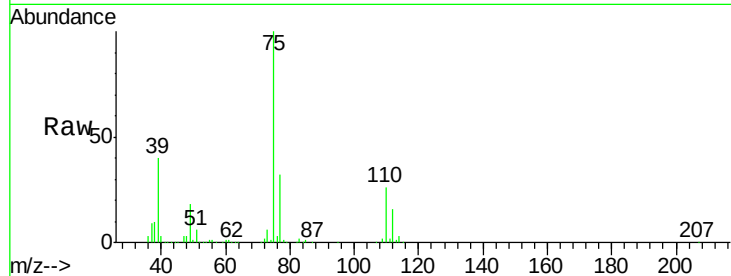
#53
t-1,3-Dichloropropene
Concen: 52.111 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053399.D
Acq: 15 Jan 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.0	37.4

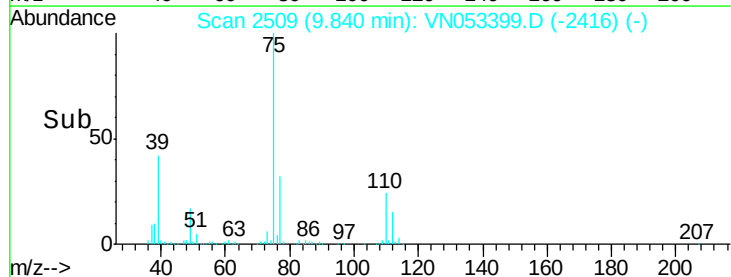
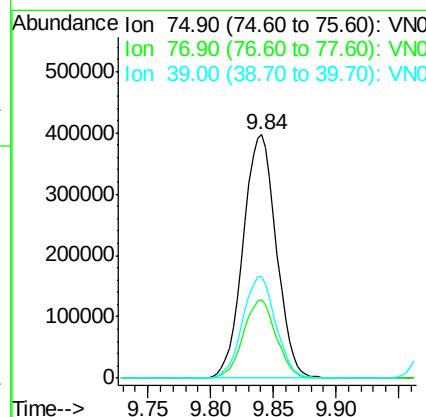
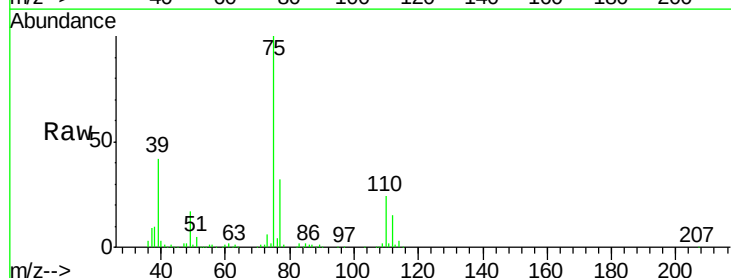
Manual Integrations
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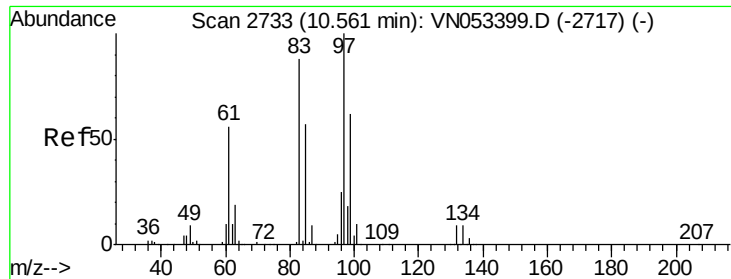
MMDadoda
1/16/2019 9:50:49 AM



#54
cis-1,3-Dichloropropene
Concen: 51.408 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053399.D
Acq: 15 Jan 2019 10:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.1	37.7
39	41.7	33.1	49.7





#55

1,1,2-Trichloroethane

Concen: 51.106 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN053399.D

Acq: 15 Jan 2019 10:35

Instrument :

MSVOA_N

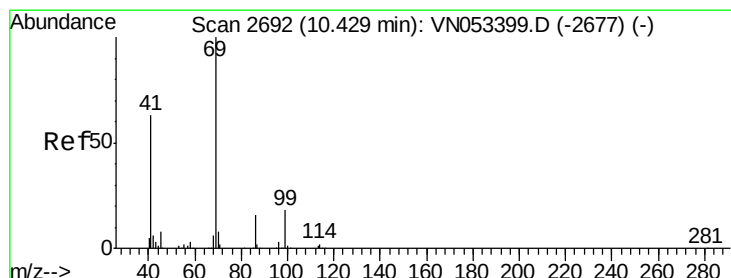
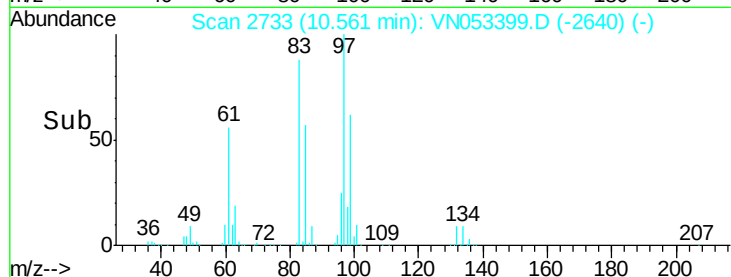
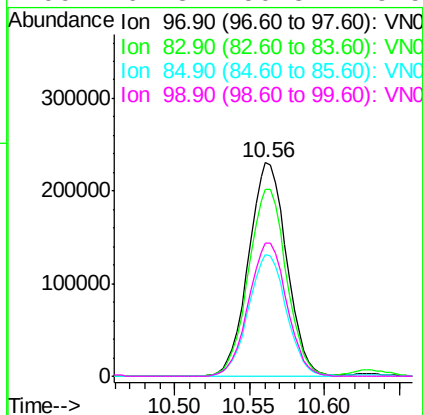
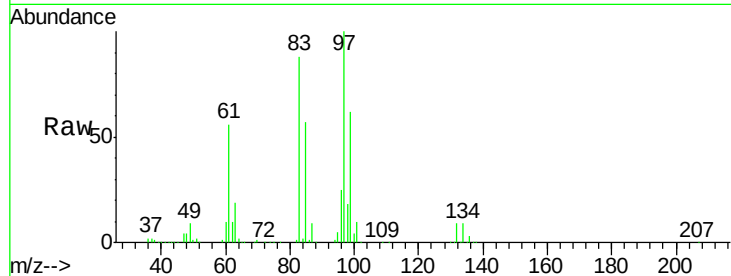
ClientSampleId :

VSTDICCC050

Tot Ion:	97	Resp:	408784
Ion	Ratio	Lower	Upper
97	100		
83	87.6	69.1	103.7
85	56.7	44.2	66.4
99	62.3	50.3	75.5

Manual Integrations
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MMDadoda
1/16/2019 9:50:49 AM



#56

Ethyl methacrylate

Concen: 48.157 ug/l

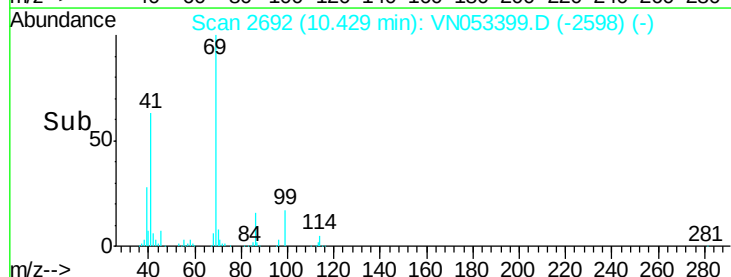
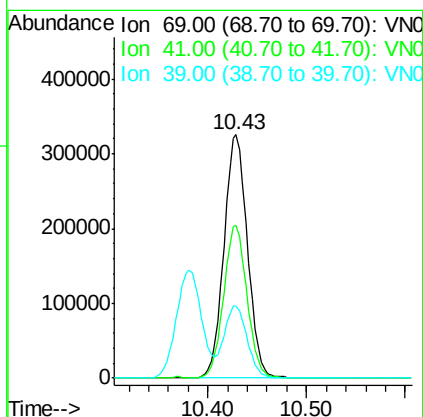
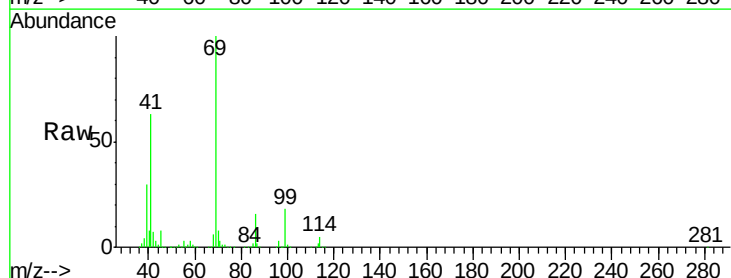
RT: 10.43 min Scan# 2692

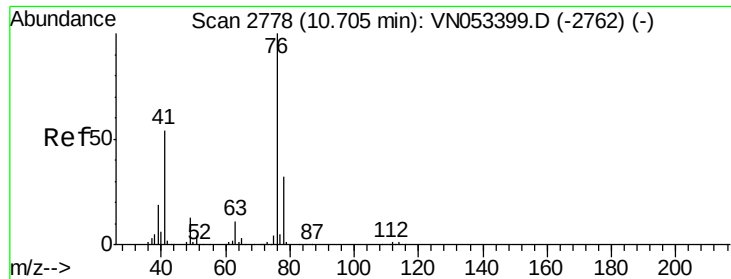
Delta R.T. 0.00 min

Lab File: VN053399.D

Acq: 15 Jan 2019 10:35

Tgt Ion:	69	Resp:	545753
Ion	Ratio	Lower	Upper
69	100		
41	61.7	49.2	73.8
39	29.1	23.4	35.0





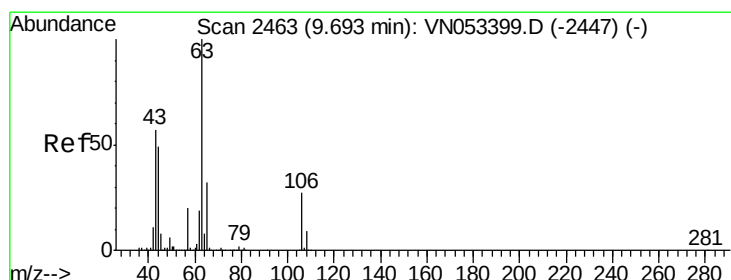
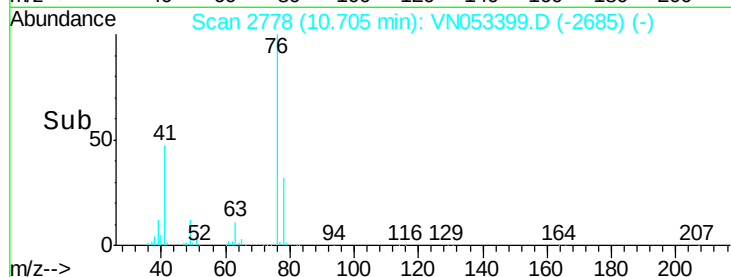
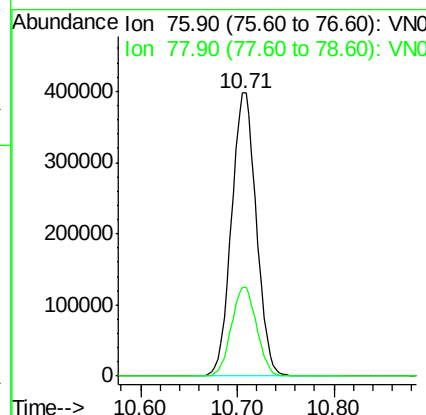
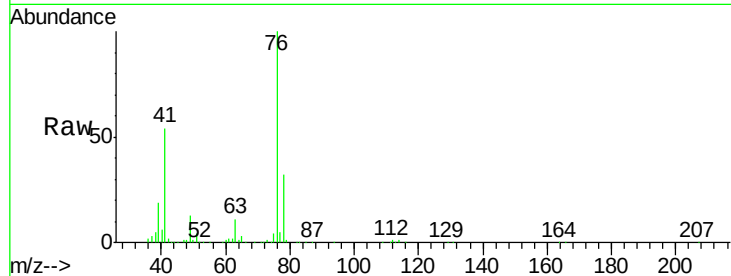
#57
 1,3-Dichloropropane
 Concen: 51.180 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN053399.D
 Acq: 15 Jan 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.8

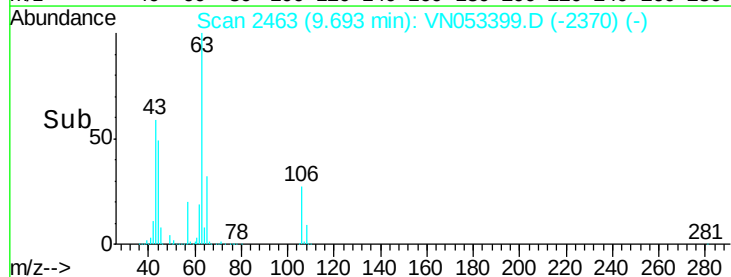
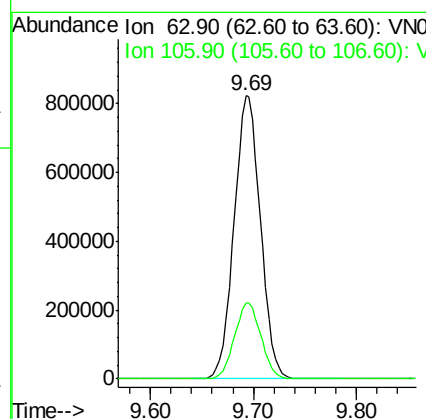
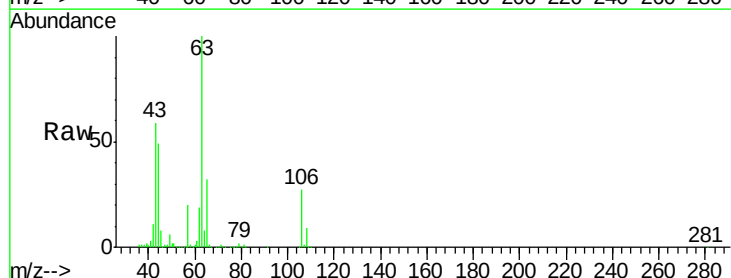
Manual Integrations
 APPROVED

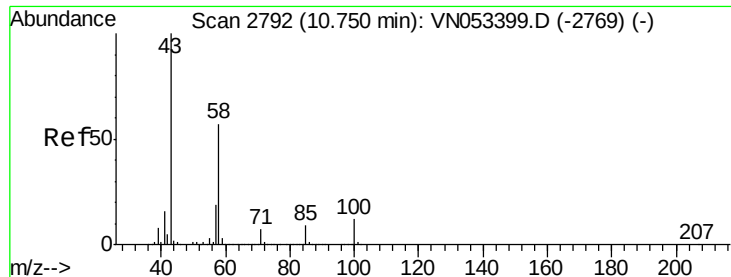
MMDadoda
 1/16/2019 9:50:49 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 261.893 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN053399.D
 Acq: 15 Jan 2019 10:35

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.7	32.5





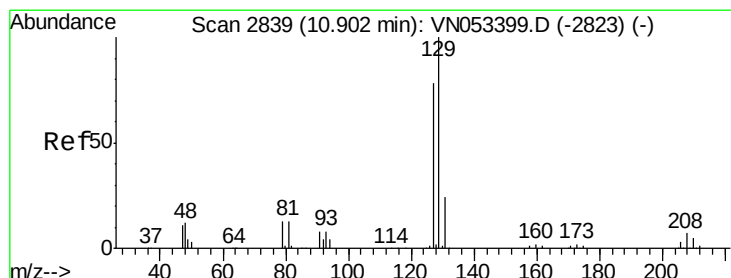
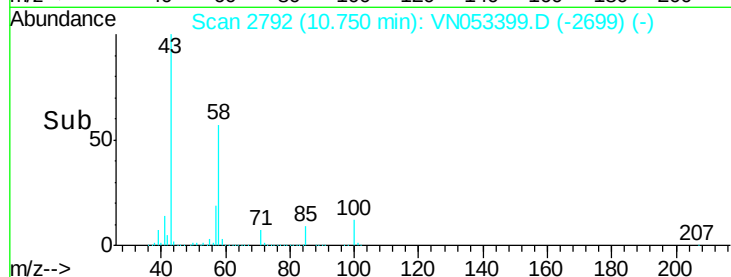
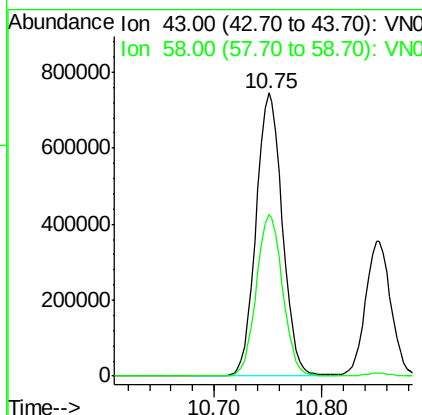
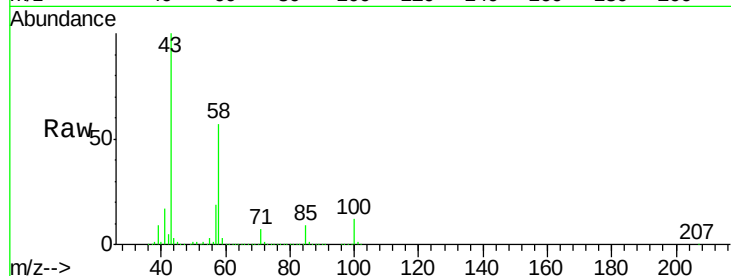
#59
2-Hexanone
Concen: 258.199 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053399.D
Acq: 15 Jan 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1258788
Ion Ratio Lower Upper
43 100
58 57.2 28.3 85.0

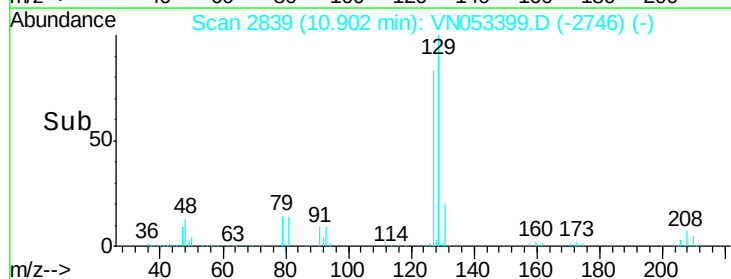
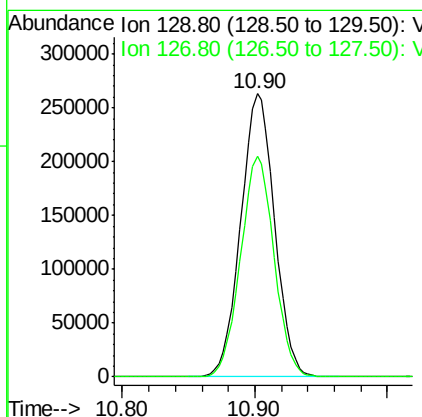
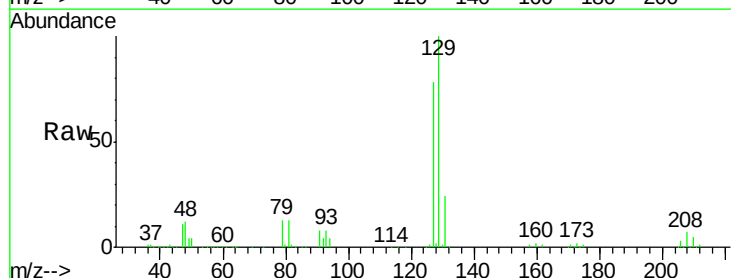
Manual Integrations
APPROVED

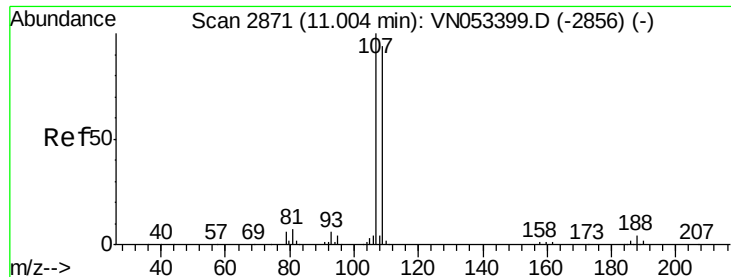
MMDadoda
1/16/2019 9:50:49 AM



#60
Dibromochloromethane
Concen: 51.355 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053399.D
Acq: 15 Jan 2019 10:35

Tgt Ion: 129 Resp: 465902
Ion Ratio Lower Upper
129 100
127 77.2 38.4 115.2





#61

1,2-Dibromoethane

Concen: 51.444 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN053399.D

Acq: 15 Jan 2019 10:35

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 107 Resp: 416160

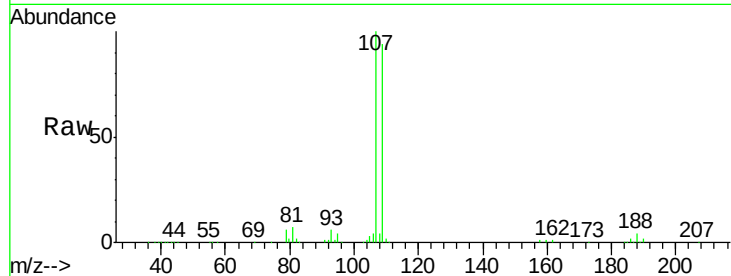
Ion Ratio Lower Upper

107 100

109 94.6 75.0 112.6

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

Ion 108.80 (108.50 to 109.50): V

11.00

250000

200000

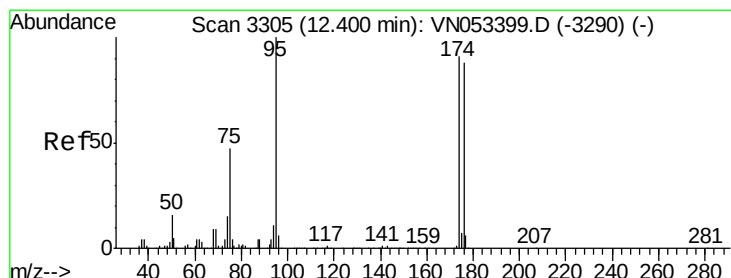
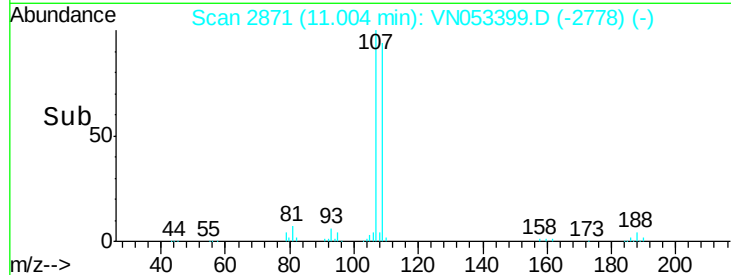
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 51.444 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053399.D

Acq: 15 Jan 2019 10:35

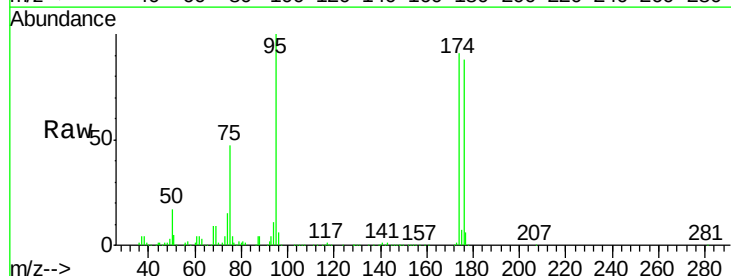
Tgt Ion: 95 Resp: 571743

Ion Ratio Lower Upper

95 100

174 91.6 0.0 180.4

176 88.7 0.0 175.6



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

400000

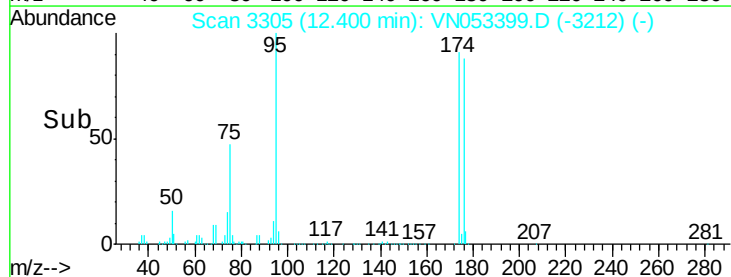
300000

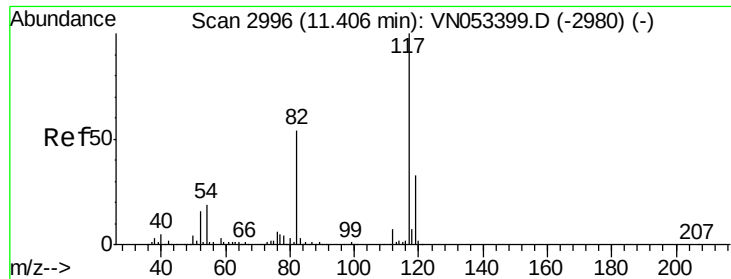
200000

100000

0

Time--> 12.30 12.35 12.40 12.45





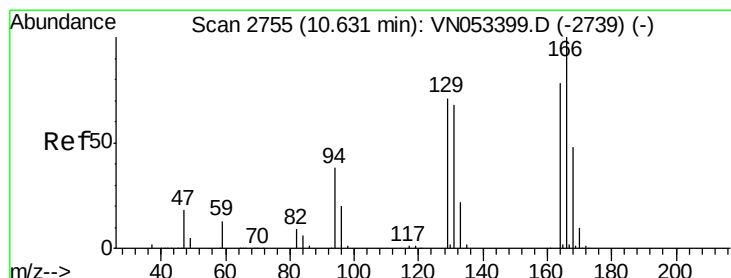
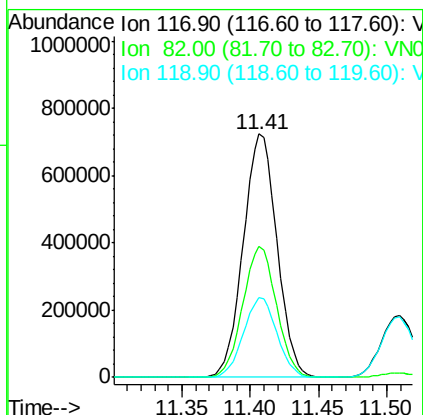
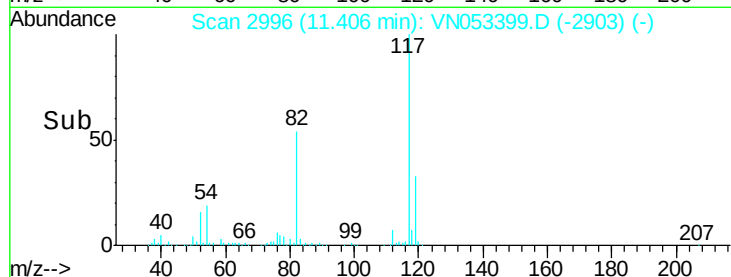
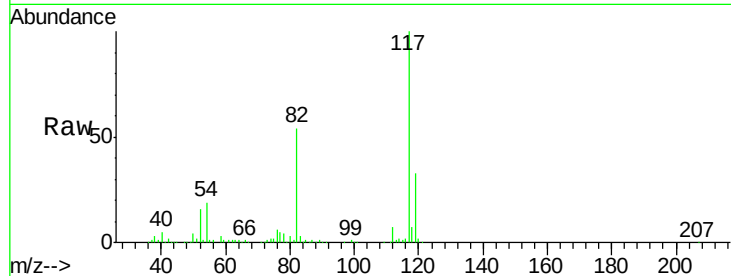
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053399.D
Acq: 15 Jan 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.9	64.3
119	32.5	25.6	38.4

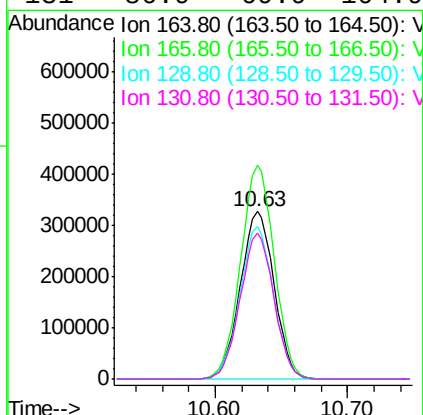
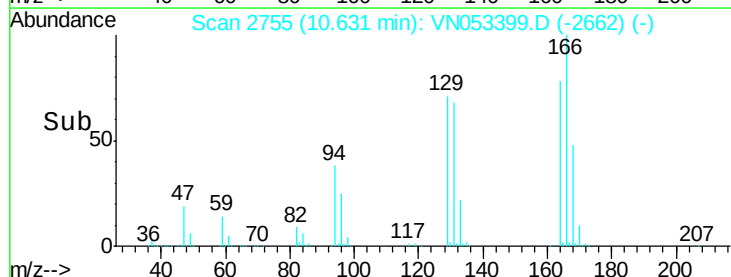
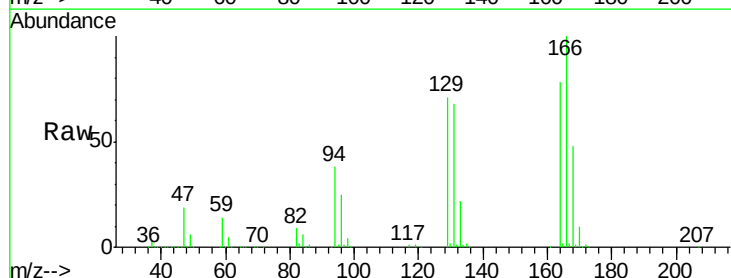
Manual Integrations
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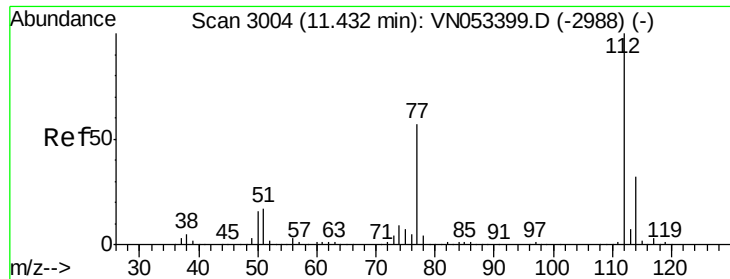
MMDadoda
1/16/2019 9:50:49 AM



#64
Tetrachloroethene
Concen: 49.339 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053399.D
Acq: 15 Jan 2019 10:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.8	101.7	152.5
129	90.8	72.1	108.1
131	86.9	69.9	104.9





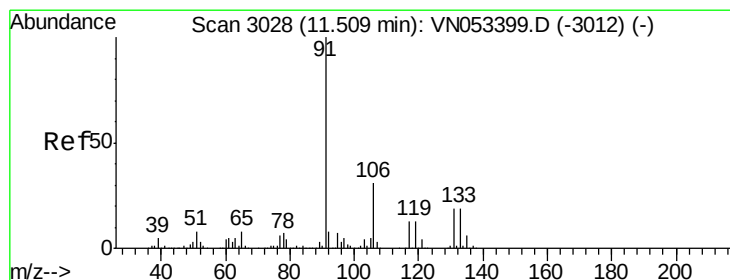
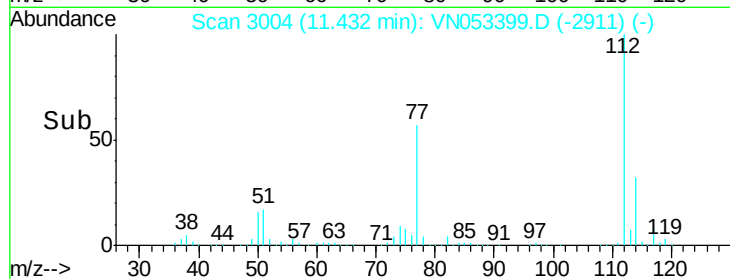
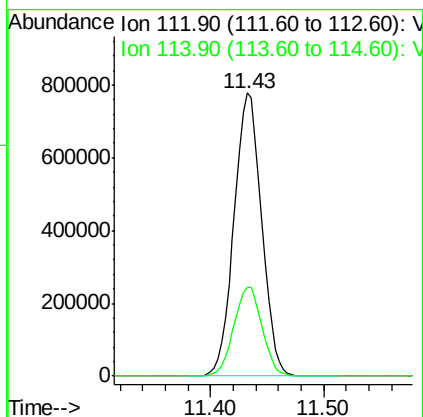
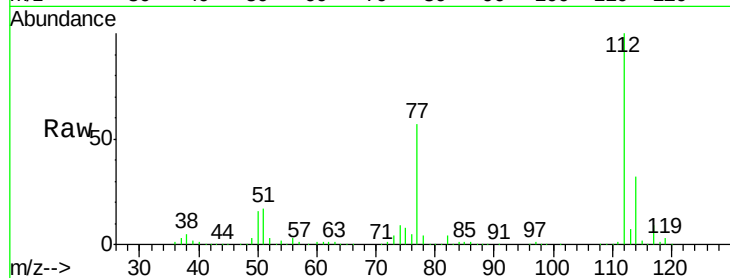
#65
Chlorobenzene
Concen: 50.322 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053399.D
Acq: 15 Jan 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 1323173
Ion Ratio Lower Upper
112 100
114 31.6 25.6 38.4

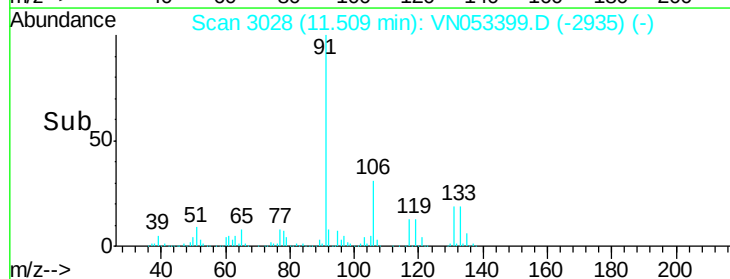
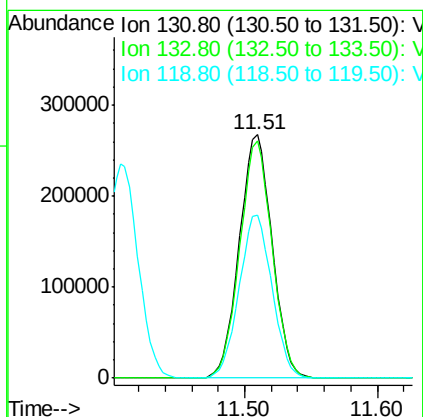
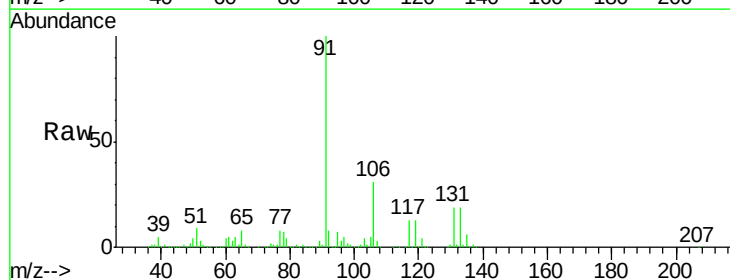
Manual Integrations
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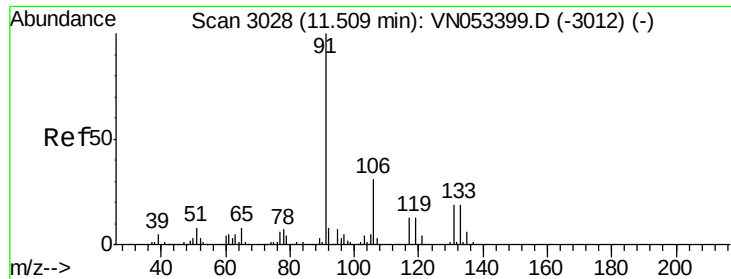
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.205 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053399.D
Acq: 15 Jan 2019 10:35

Tgt Ion:131 Resp: 459242
Ion Ratio Lower Upper
131 100
133 96.0 48.0 144.0
119 67.0 33.3 99.9





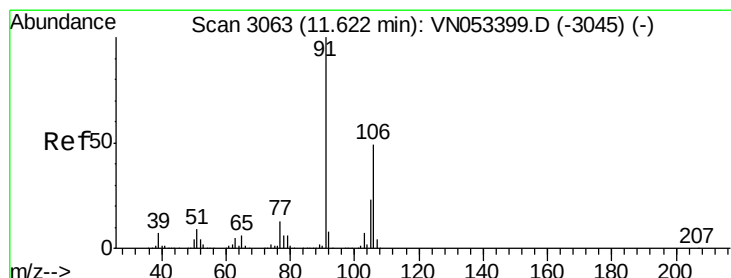
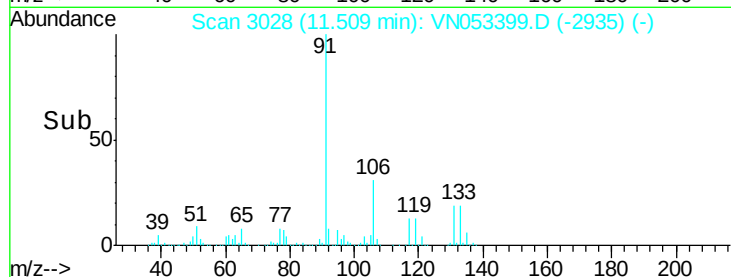
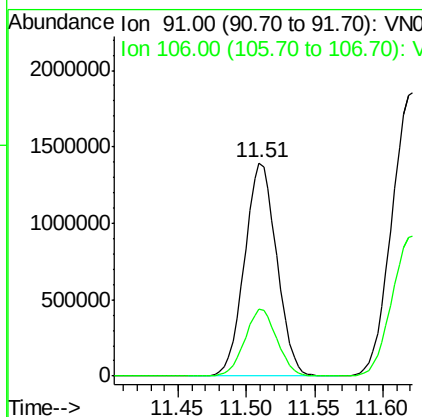
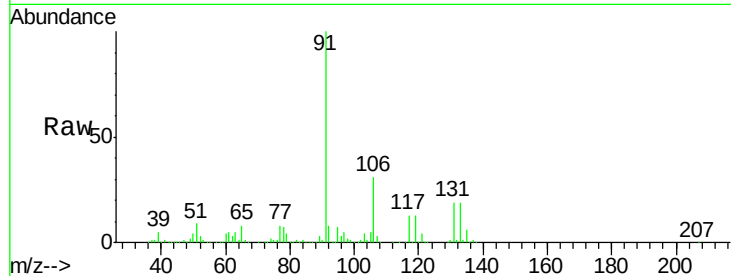
#67
Ethyl Benzene
Concen: 50.935 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053399.D
Acq: 15 Jan 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 2282514
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.4

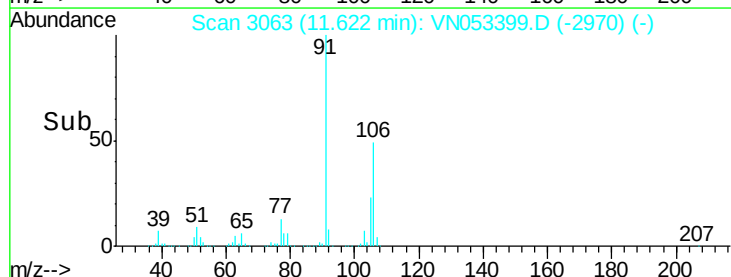
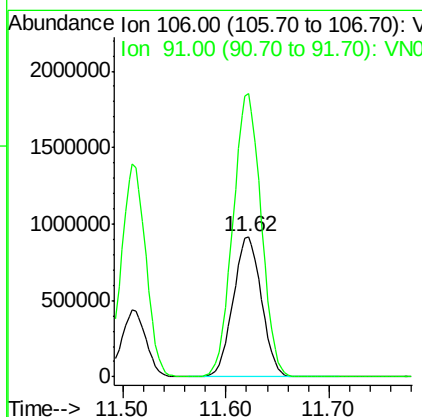
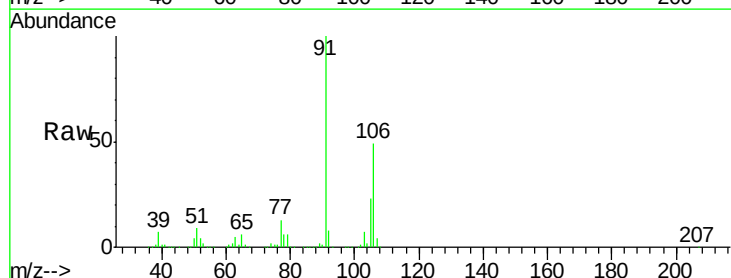
Manual Integrations
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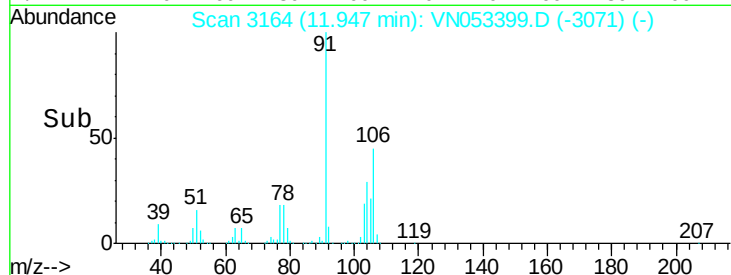
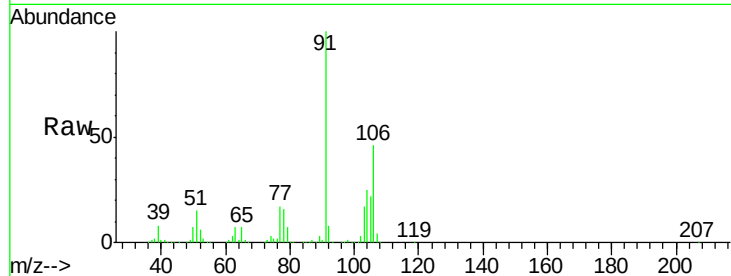
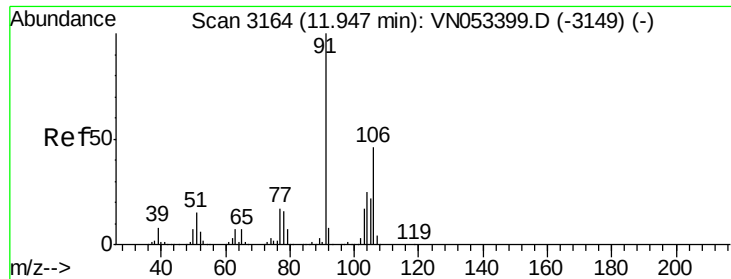
MMDadoda
1/16/2019 9:50:49 AM



#68
m/p-Xylenes
Concen: 103.379 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053399.D
Acq: 15 Jan 2019 10:35

Tgt Ion: 106 Resp: 1749079
Ion Ratio Lower Upper
106 100
91 201.8 161.4 242.2





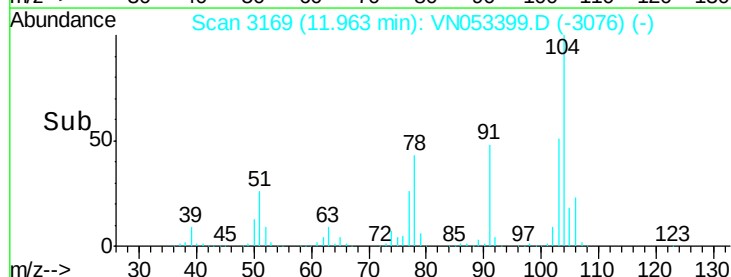
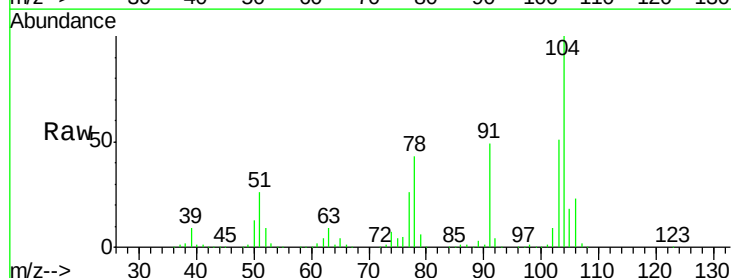
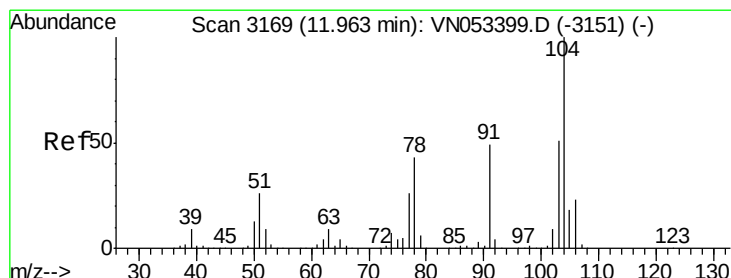
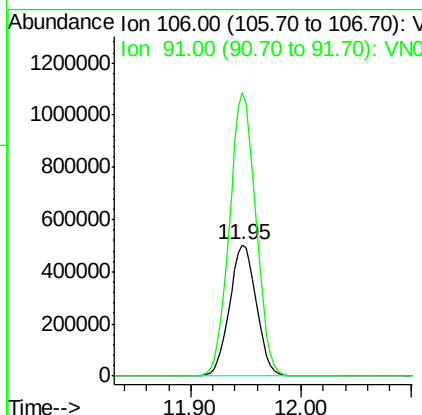
#69
o-Xylene
Concen: 51.333 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053399.D
Acq: 15 Jan 2019 10:35

Tot Ion:106 Resp: 843924
Ion Ratio Lower Upper
106 100
91 213.9 106.8 320.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

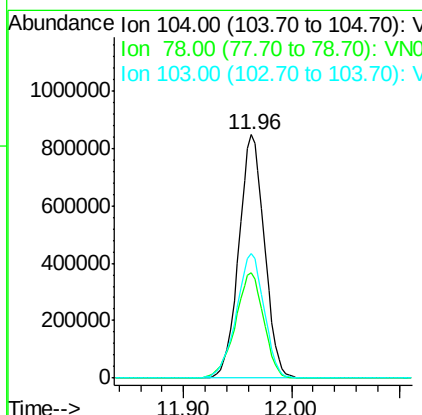
Manual Integrations
APPROVED

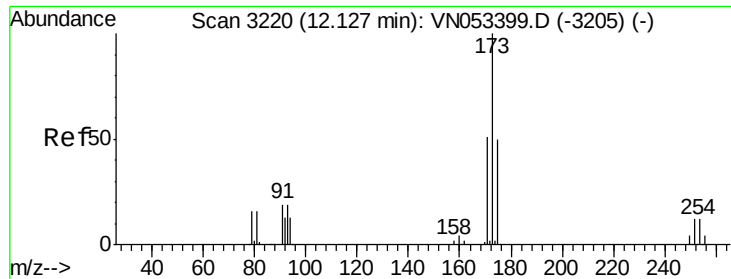
MMDadoda
1/16/2019 9:50:49 AM



#70
Styrene
Concen: 52.456 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053399.D
Acq: 15 Jan 2019 10:35

Tgt Ion:104 Resp: 1399620
Ion Ratio Lower Upper
104 100
78 47.7 38.5 57.7
103 55.5 44.5 66.7





#71

Bromoform

Concen: 51.502 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053399.D

Acq: 15 Jan 2019 10:35

Instrument :

MSVOA_N

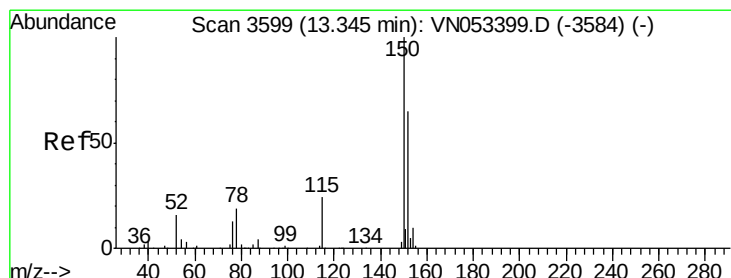
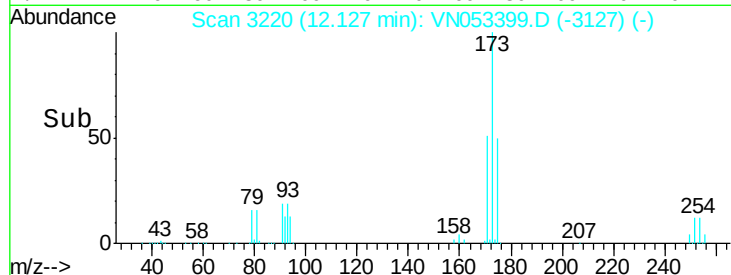
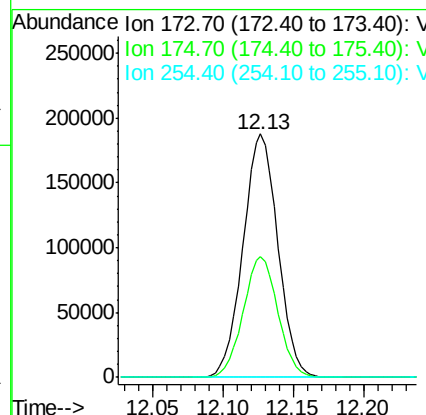
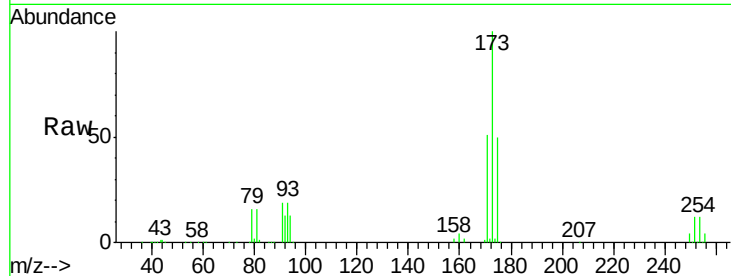
ClientSampleId :

VSTDICCC050

Tot Ion:	173	Resp:	324335
Ion Ratio	Lower	Upper	
173	100		
175	49.3	24.3	72.8
254	0.2	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

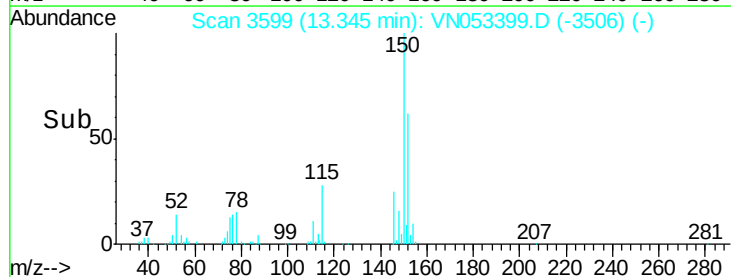
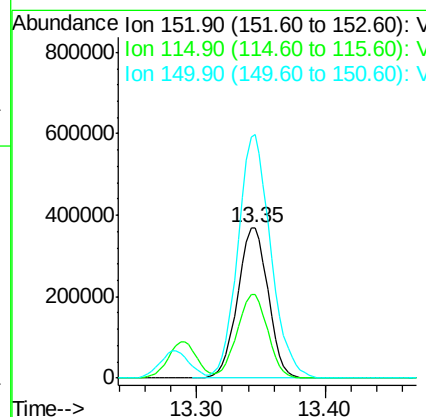
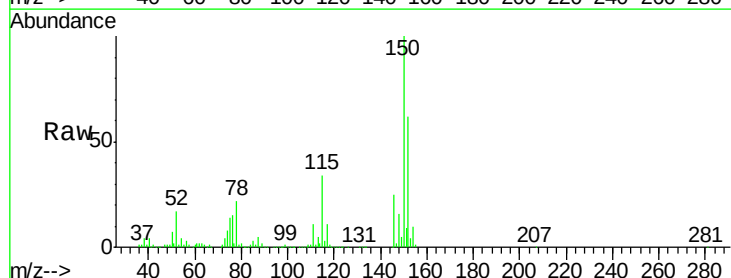
RT: 13.35 min Scan# 3599

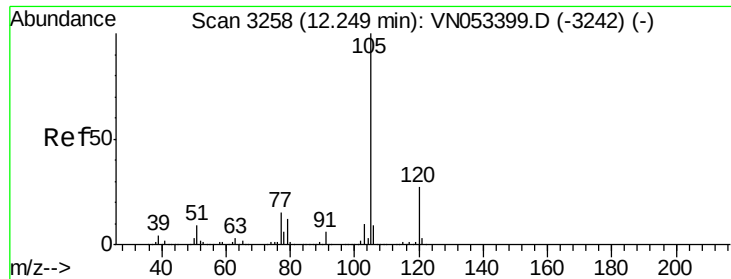
Delta R.T. 0.00 min

Lab File: VN053399.D

Acq: 15 Jan 2019 10:35

Tgt Ion:	152	Resp:	604408
Ion Ratio	Lower	Upper	
152	100		
115	55.6	28.0	84.0
150	174.5	0.0	346.6





#73

Isopropylbenzene

Concen: 50.963 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053399.D

Acq: 15 Jan 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 2255674

Ion Ratio Lower Upper

105 100

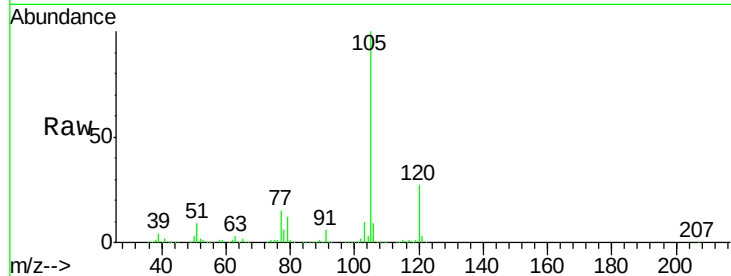
120 27.1 13.4 40.2

Manual Integrations

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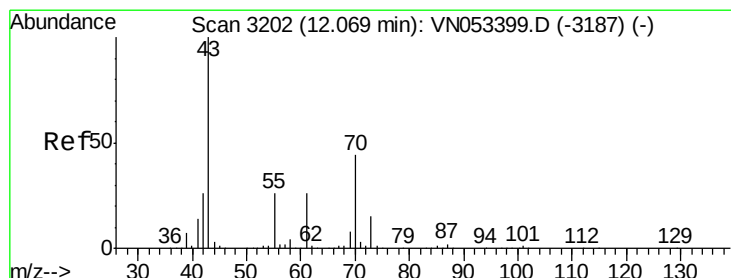
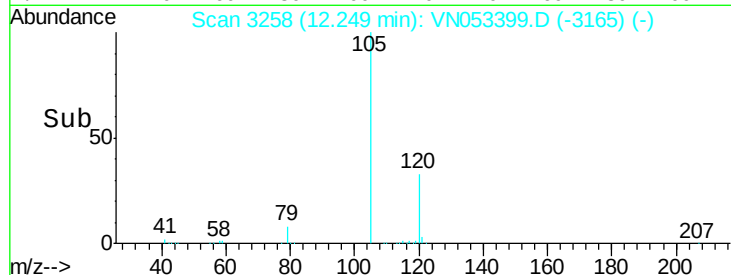
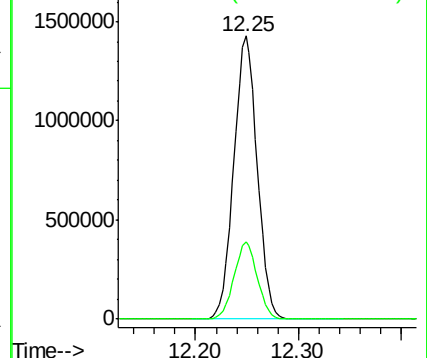
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.249 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053399.D

Acq: 15 Jan 2019 10:35

Tgt Ion: 43 Resp: 616487

Ion Ratio Lower Upper

43 100

70 44.3 35.0 52.6

55 26.1 20.0 30.0

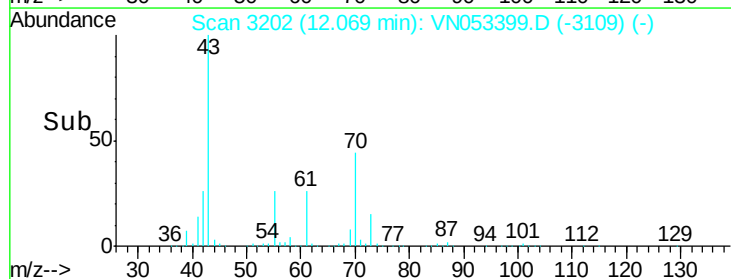
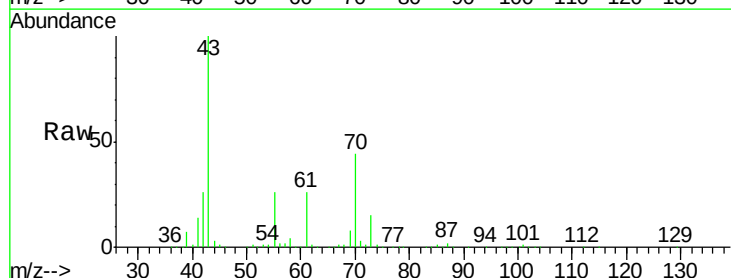
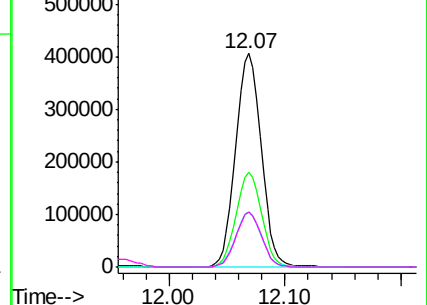
61 25.6 20.3 30.5

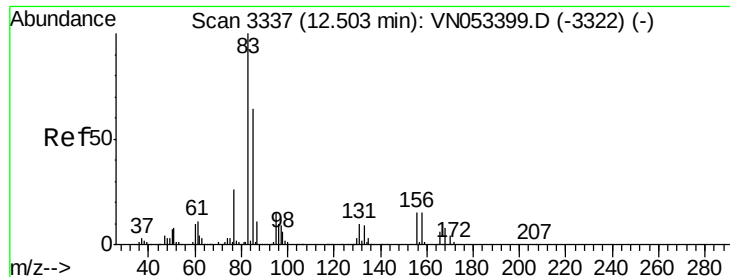
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 49.777 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053399.D

Acq: 15 Jan 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 462067

Ion Ratio Lower Upper

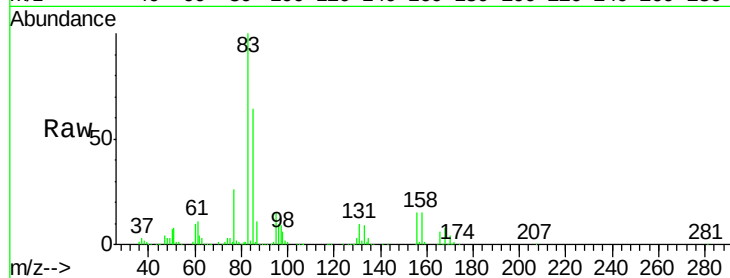
83 100

131 10.5 5.3 15.9

85 64.2 32.3 96.8

Manual Integrations
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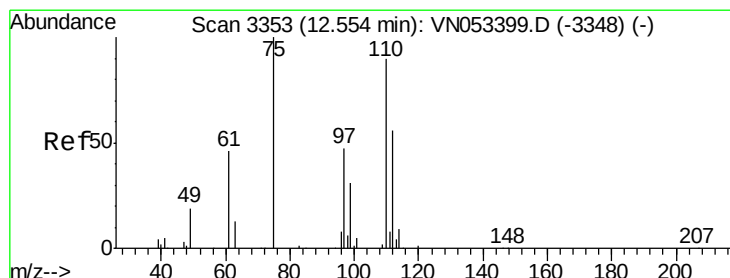
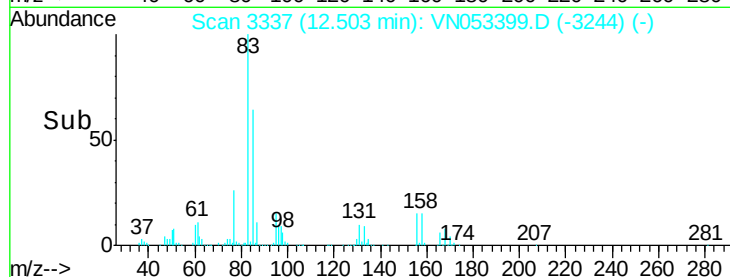
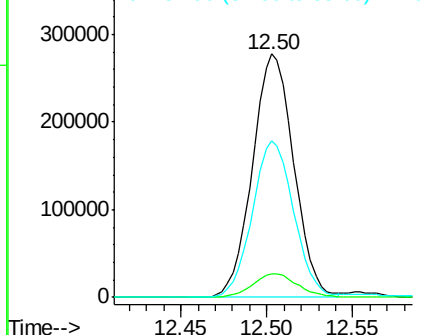
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Abundance Ion 82.90 (82.60 to 83.60): VN053399.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN053399.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN053399.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 48.682 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053399.D

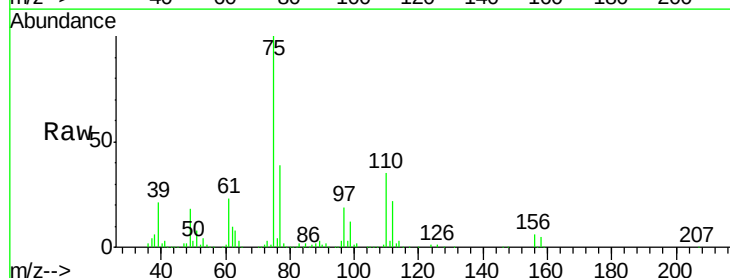
Acq: 15 Jan 2019 10:35

Tgt Ion: 75 Resp: 370466

Ion Ratio Lower Upper

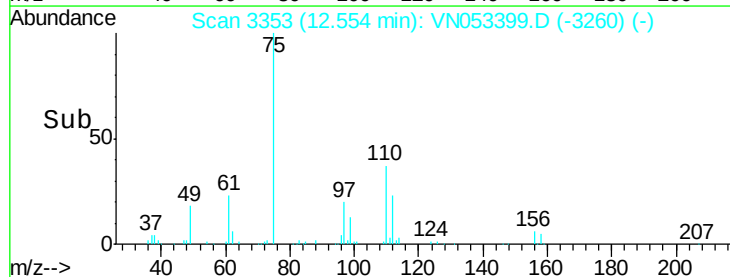
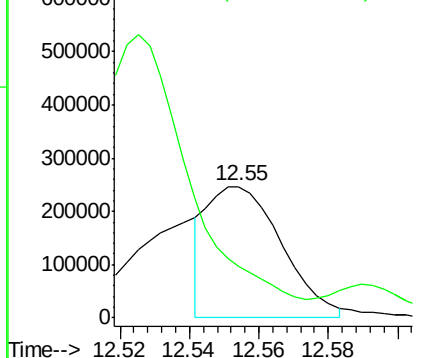
75 100

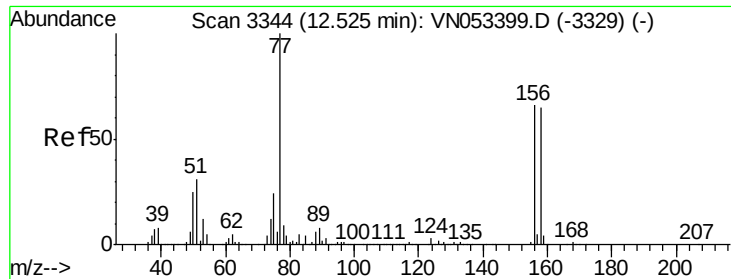
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053399.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN053399.D (-3348) (-)





#77

Bromobenzene

Concen: 50.170 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053399.D

Acq: 15 Jan 2019 10:35

Instrument :

MSVOA_N

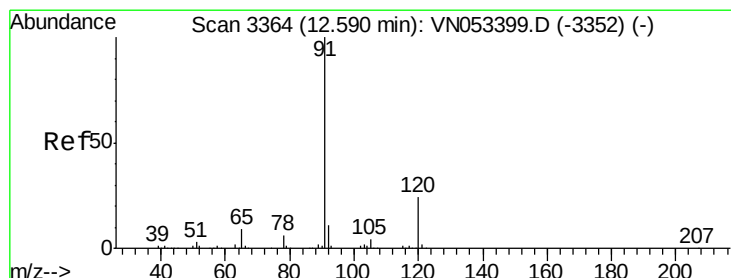
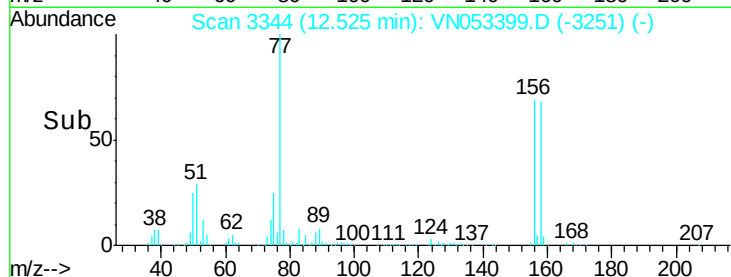
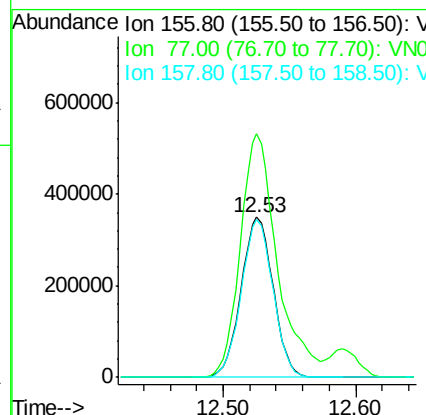
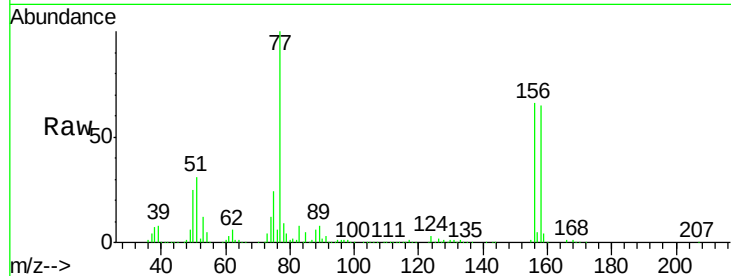
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	175.9	89.3	268.1
158	97.6	48.9	146.8

Manual Integrations
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#78

n-propylbenzene

Concen: 51.135 ug/l

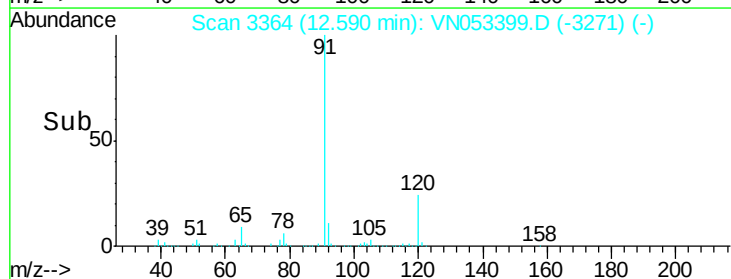
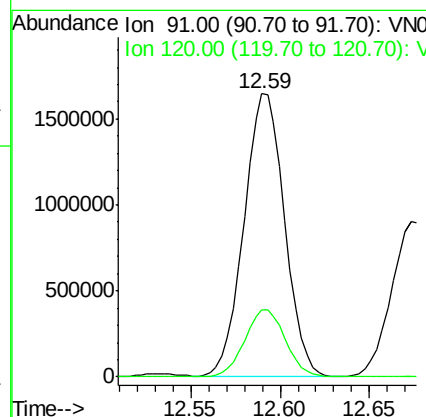
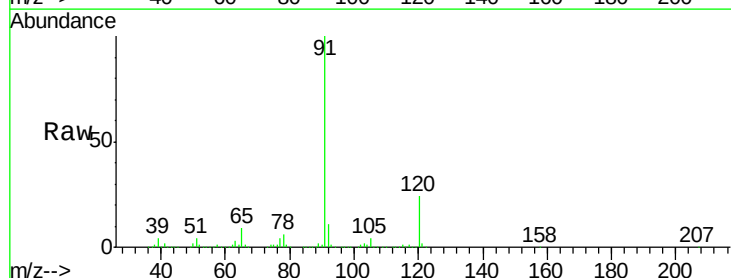
RT: 12.59 min Scan# 3364

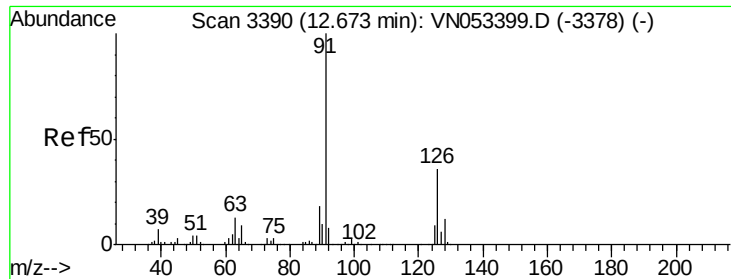
Delta R.T. 0.00 min

Lab File: VN053399.D

Acq: 15 Jan 2019 10:35

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.5	34.5





#79

2-Chlorotoluene

Concen: 50.081 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053399.D

Acq: 15 Jan 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 1508193

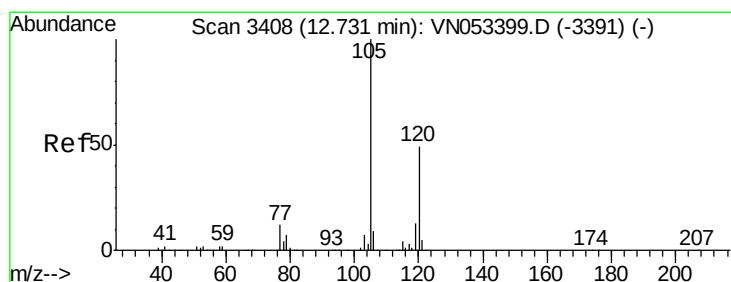
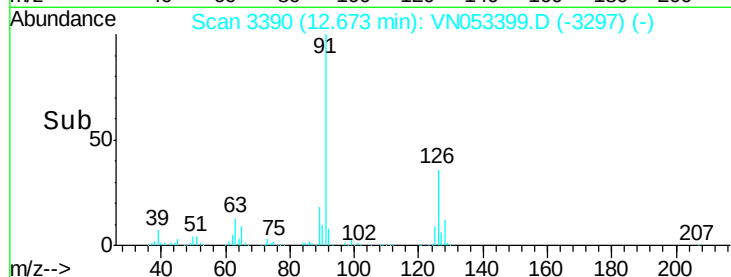
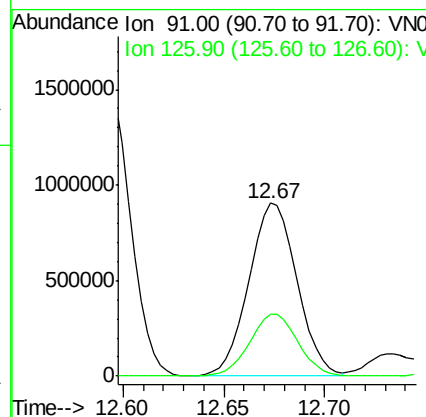
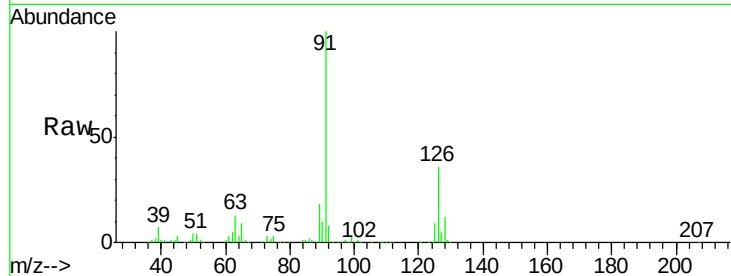
Ion Ratio Lower Upper

91 100

126 35.8 17.5 52.5

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 51.324 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053399.D

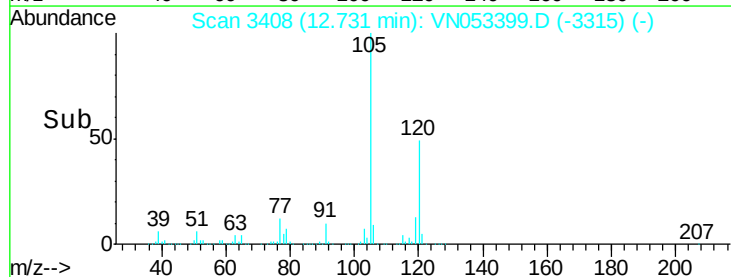
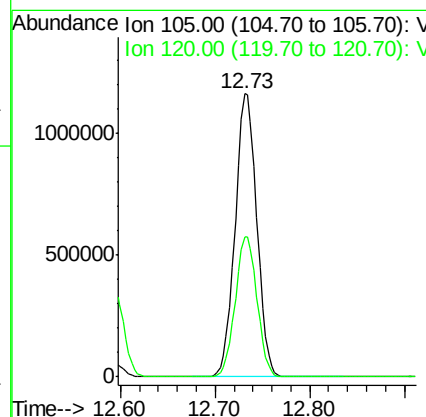
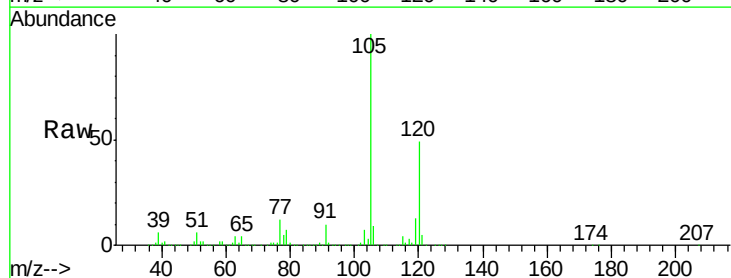
Acq: 15 Jan 2019 10:35

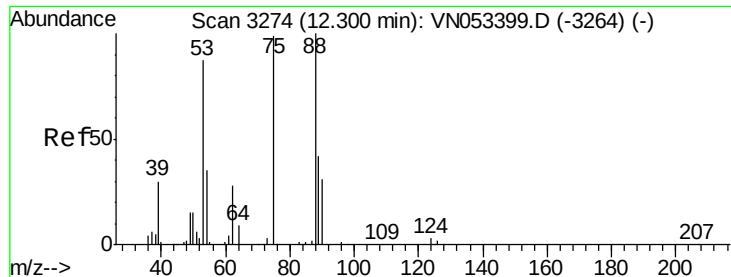
Tgt Ion: 105 Resp: 1848287

Ion Ratio Lower Upper

105 100

120 49.7 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 46.856 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053399.D

Acq: 15 Jan 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 146940

Ion Ratio Lower Upper

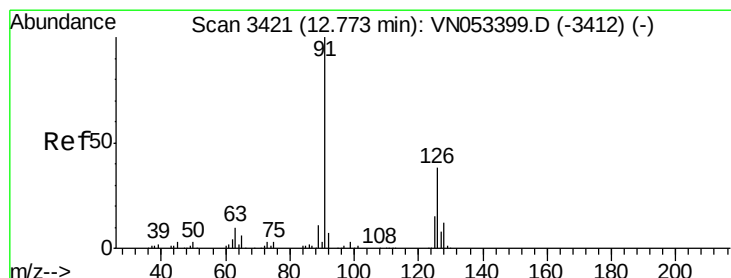
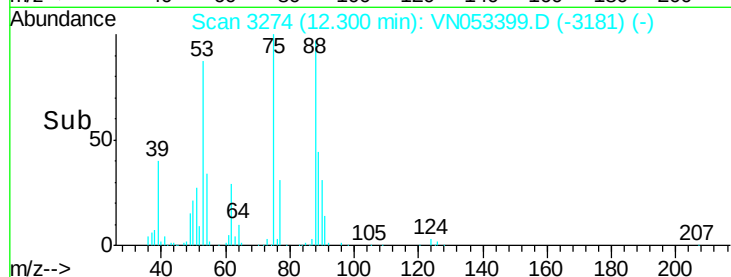
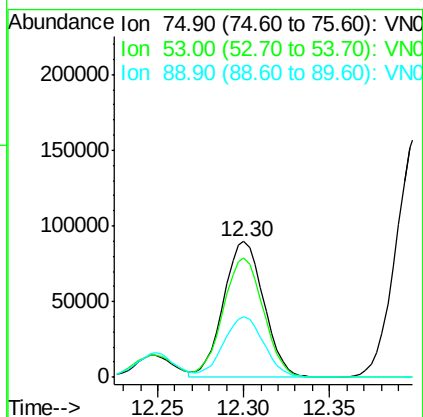
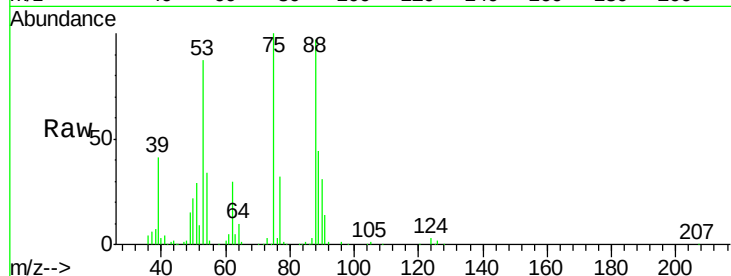
75 100

53 87.2 70.5 105.7

89 44.5 35.4 53.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.471 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053399.D

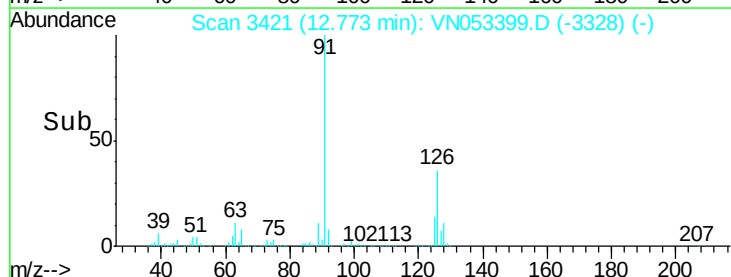
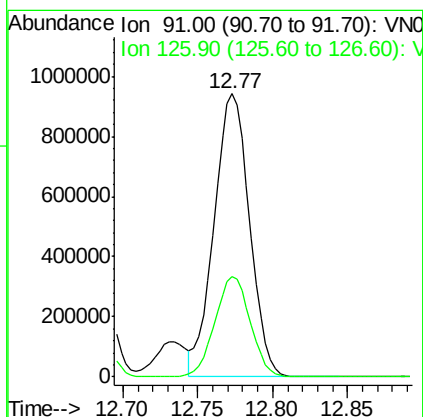
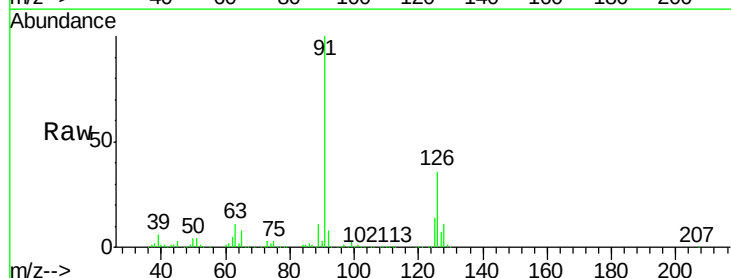
Acq: 15 Jan 2019 10:35

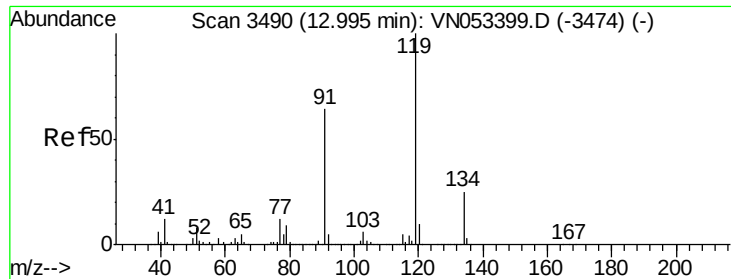
Tgt Ion: 91 Resp: 1550021

Ion Ratio Lower Upper

91 100

126 35.3 17.4 52.2





#83

tert-Butylbenzene

Concen: 51.289 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN053399.D

Acq: 15 Jan 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:119 Resp: 1631325

Ion Ratio Lower Upper

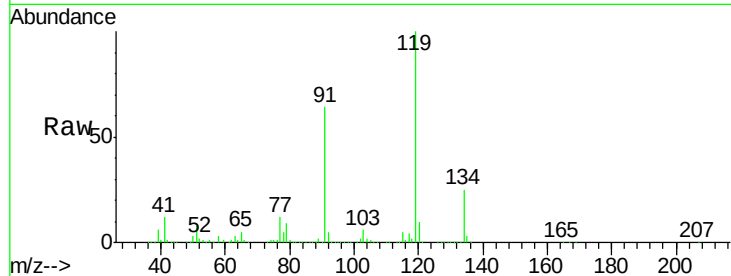
119 100

91 62.5 31.6 95.0

134 25.8 12.9 38.6

Manual Integrations
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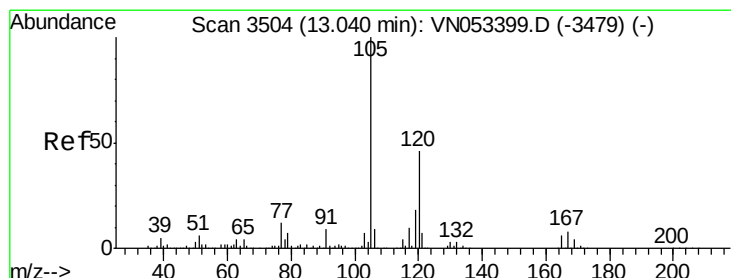
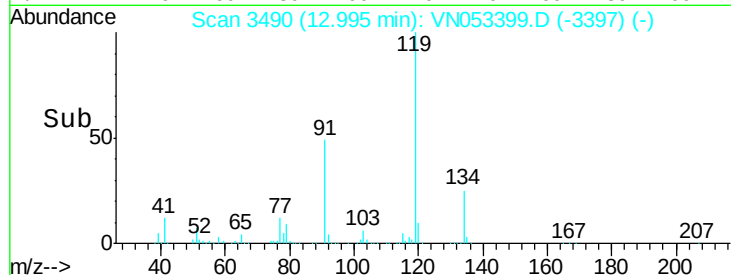
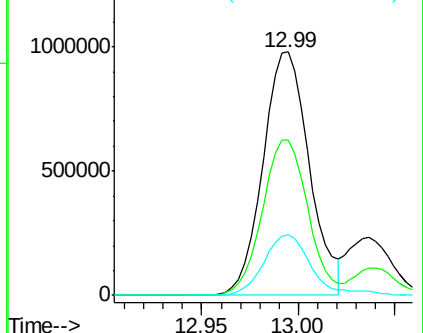
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.609 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053399.D

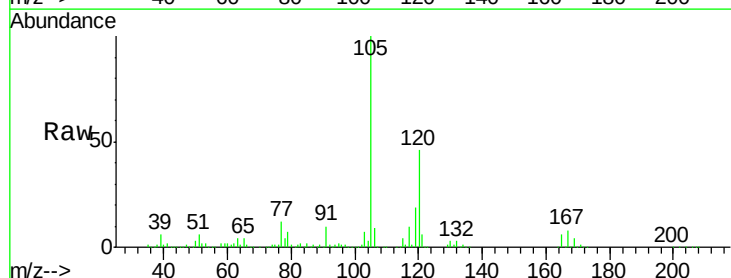
Acq: 15 Jan 2019 10:35

Tgt Ion:105 Resp: 1873993

Ion Ratio Lower Upper

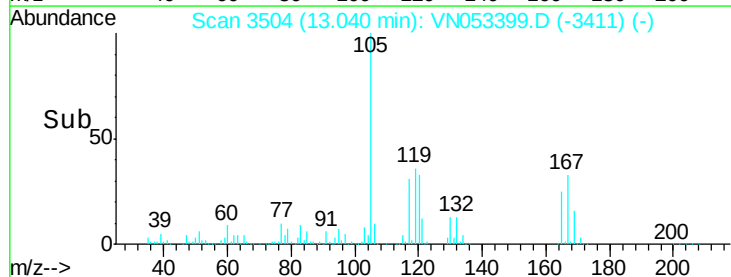
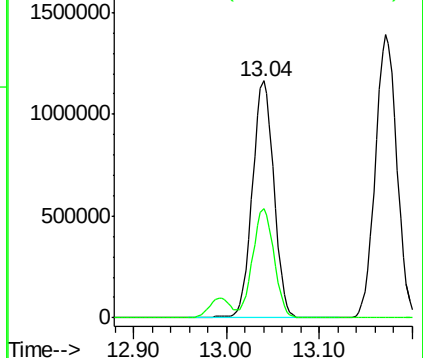
105 100

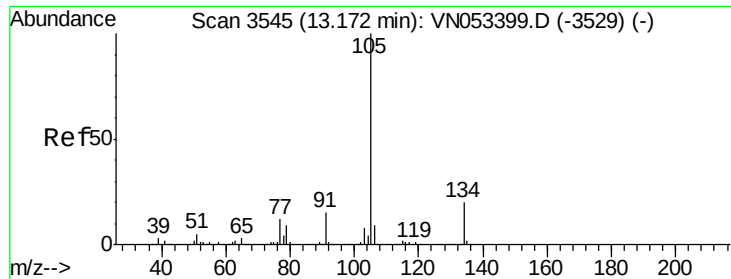
120 46.0 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 51.079 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053399.D

Acq: 15 Jan 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 2228142

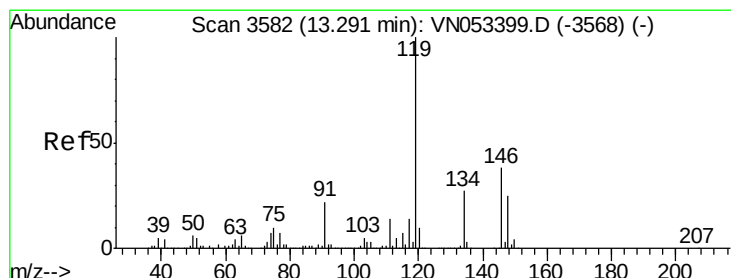
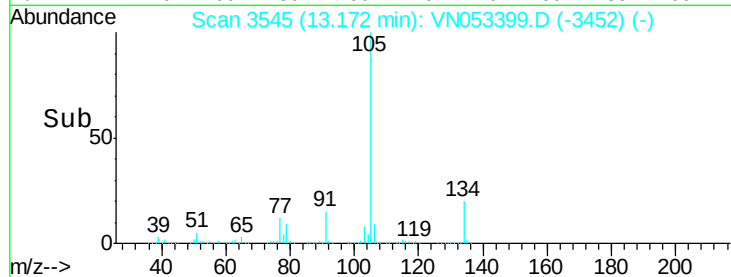
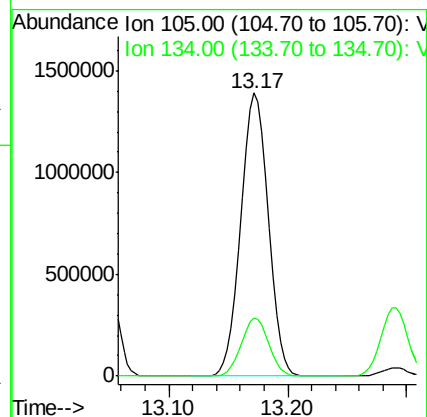
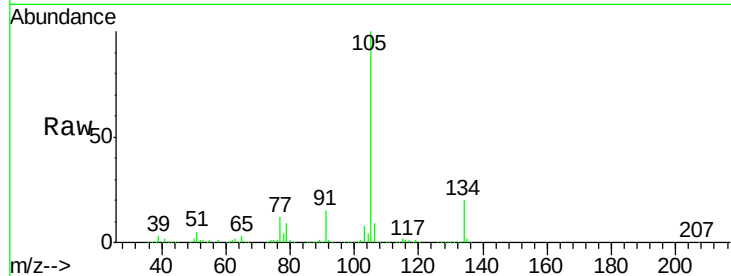
Ion Ratio Lower Upper

105 100

134 20.4 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 51.649 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053399.D

Acq: 15 Jan 2019 10:35

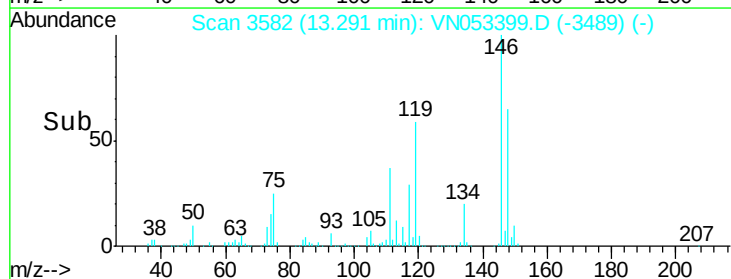
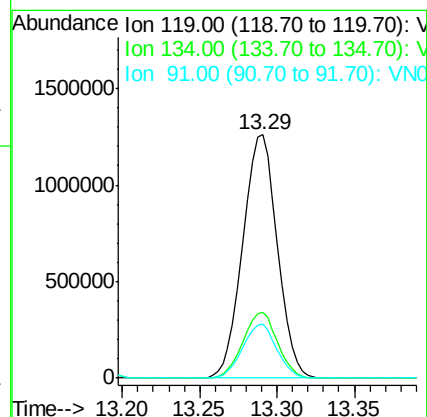
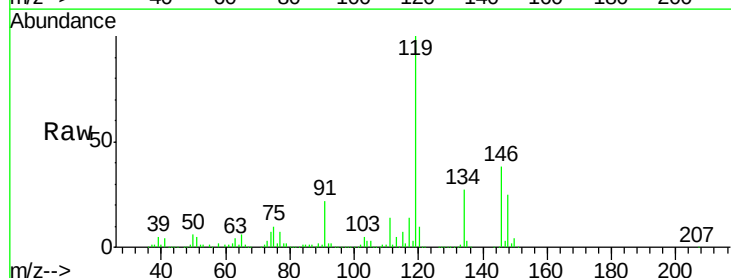
Tgt Ion:119 Resp: 1956256

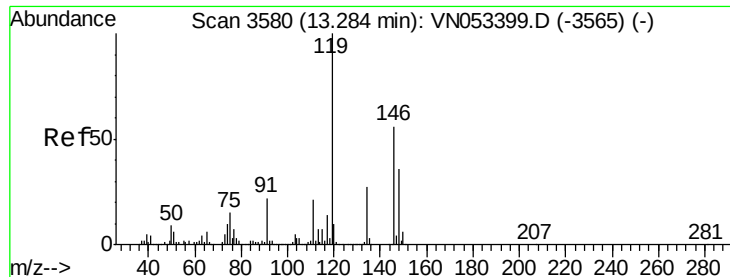
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 22.0 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 50.423 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN053399.D

Acq: 15 Jan 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

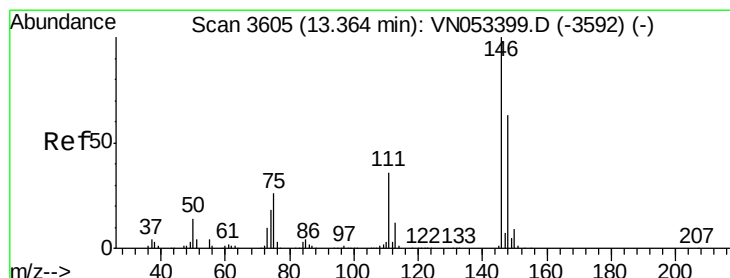
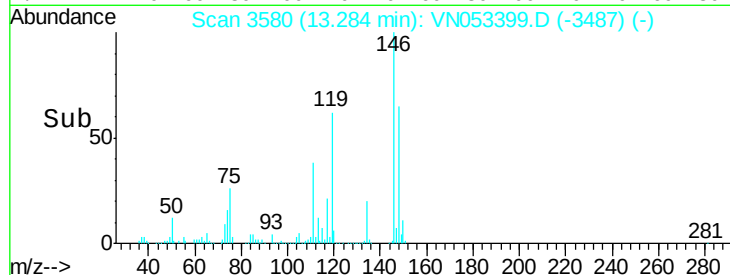
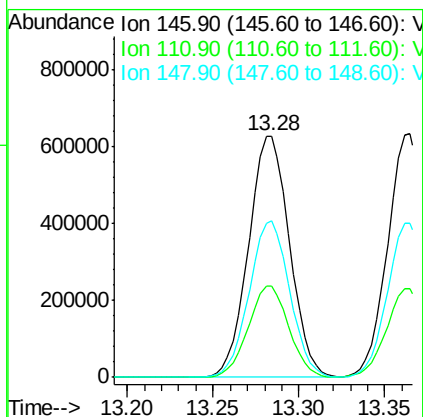
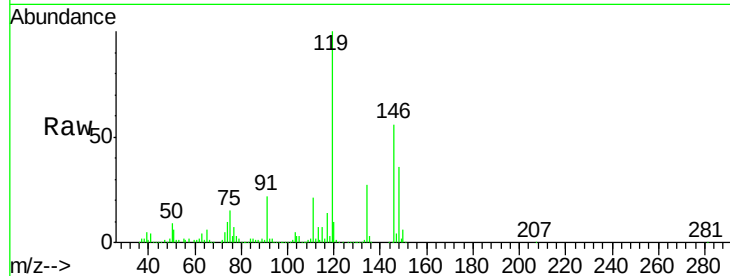
VSTDICCC050

Tot Ion:146 Resp: 1034451

Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.9	56.5
148	64.1	32.0	96.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.274 ug/l

RT: 13.36 min Scan# 3605

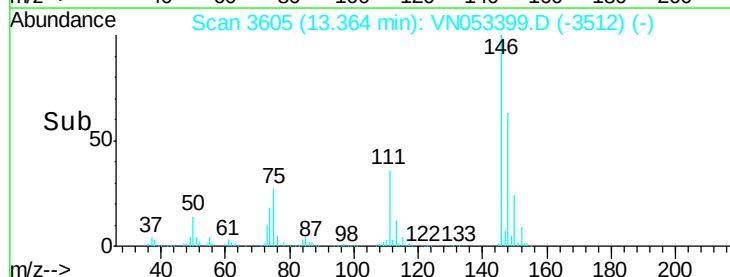
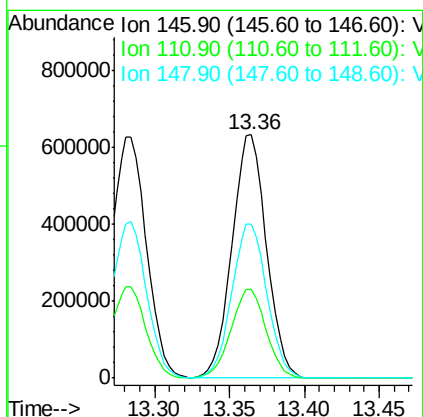
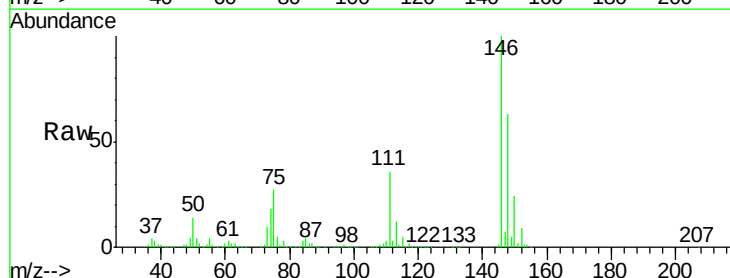
Delta R.T. 0.00 min

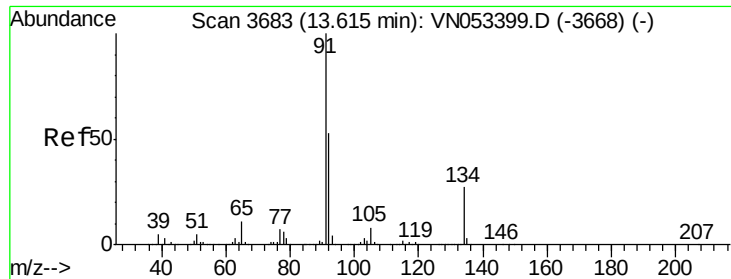
Lab File: VN053399.D

Acq: 15 Jan 2019 10:35

Tgt Ion:146 Resp: 1014008

Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.8
148	64.7	32.0	96.0





#89

n-Butylbenzene

Concen: 51.625 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053399.D

Acq: 15 Jan 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 1666737

Ion Ratio Lower Upper

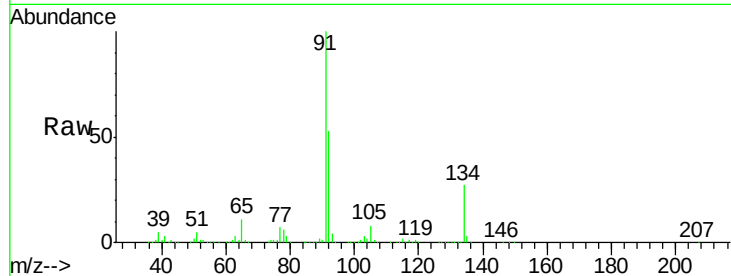
91 100

92 52.5 26.3 78.8

134 27.0 13.5 40.5

Manual Integrations
APPROVED

MMDadoda
1/16/2019 9:50:49 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) (-)

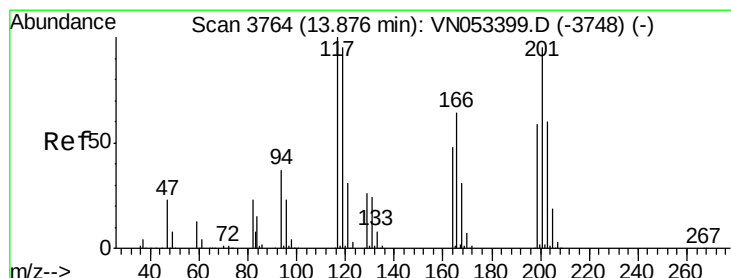
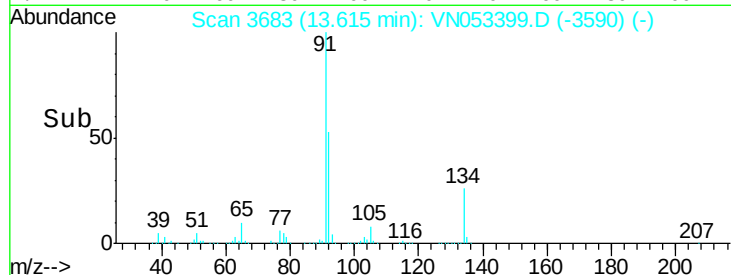
13.62

1000000

500000

0

Time-->



#90

Hexachloroethane

Concen: 50.779 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053399.D

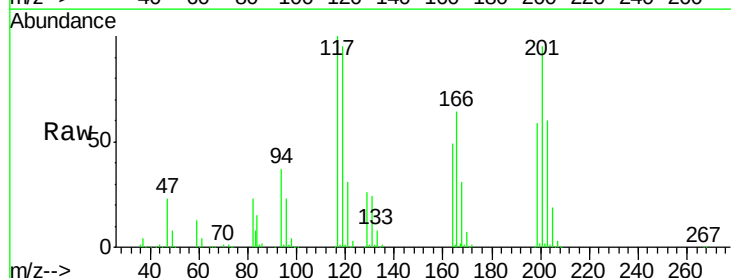
Acq: 15 Jan 2019 10:35

Tgt Ion: 117 Resp: 301637

Ion Ratio Lower Upper

117 100

201 93.6 46.1 138.3



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

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

13.88

200000

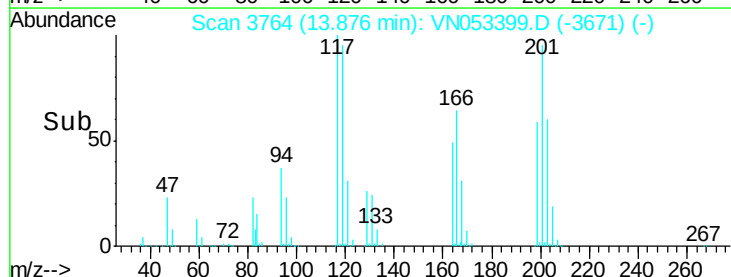
150000

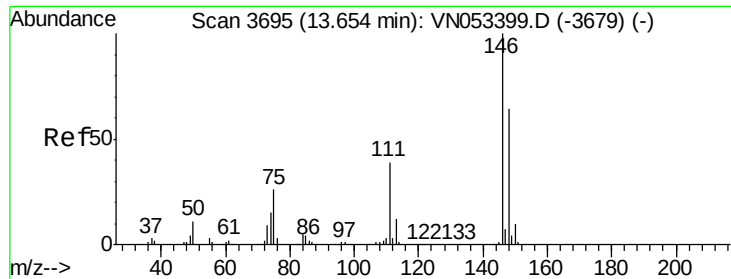
100000

50000

0

Time-->





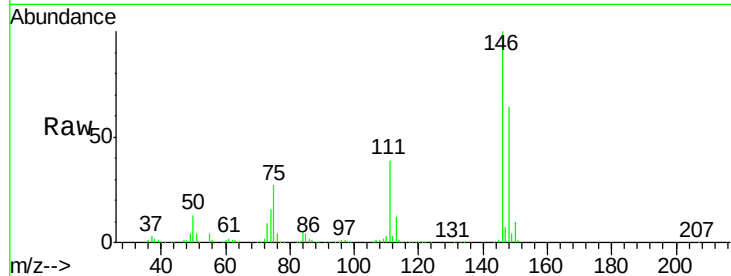
#91
 1,2-Dichlorobenzene
 Concen: 51.267 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053399.D
 Acq: 15 Jan 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

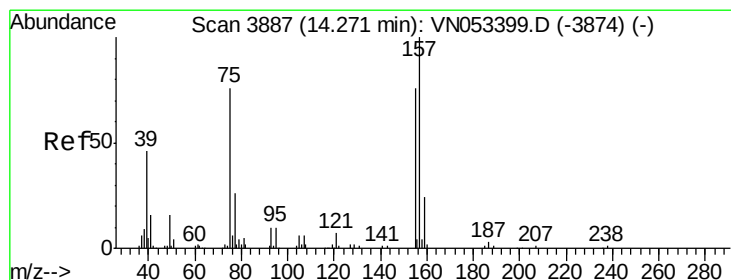
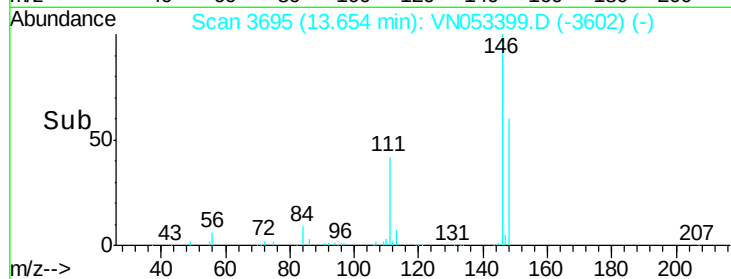
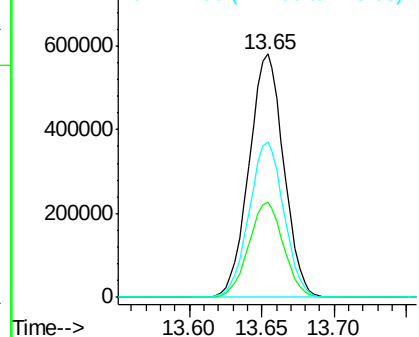
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.4	58.2
148	63.9	32.2	96.6

Manual Integrations
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 1/16/2019 9:50:49 AM

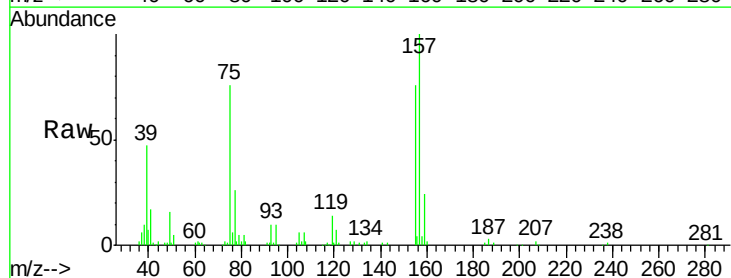


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

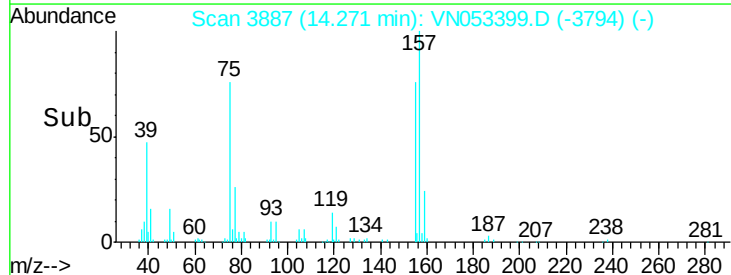
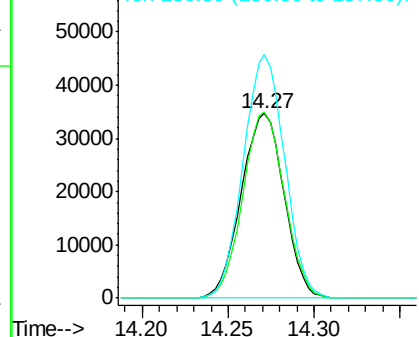


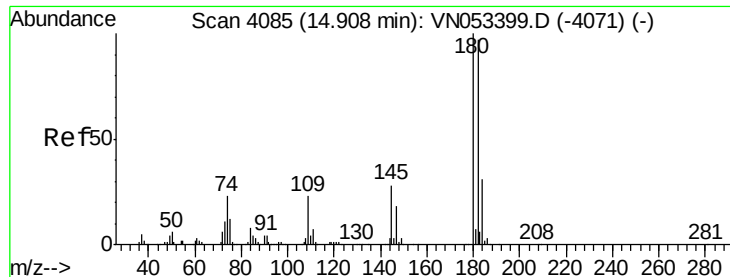
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.930 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053399.D
 Acq: 15 Jan 2019 10:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.8	48.1	144.3
157	127.5	61.5	184.4



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





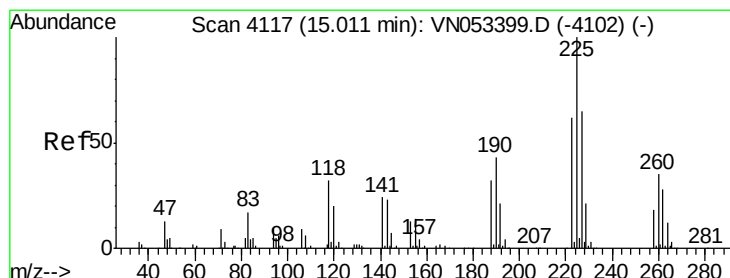
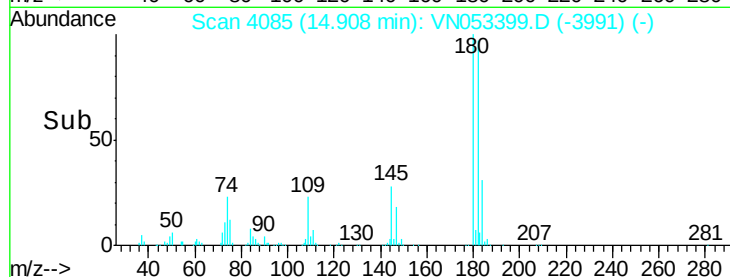
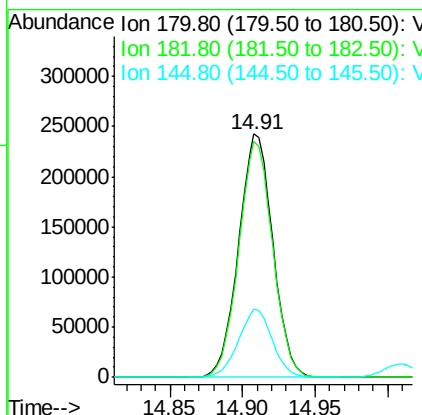
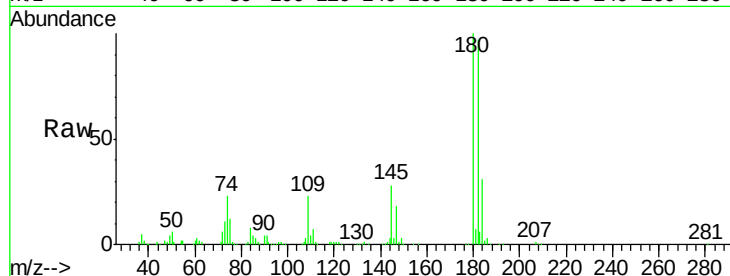
#93
 1,2,4-Trichlorobenzene
 Concen: 47.821 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053399.D
 Acq: 15 Jan 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	397185		
182	96.2	47.8	143.4	
145	27.7	14.4	43.0	

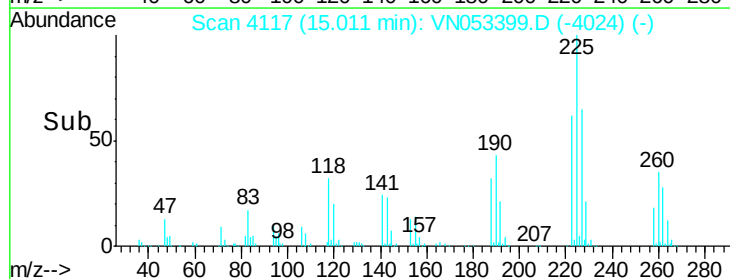
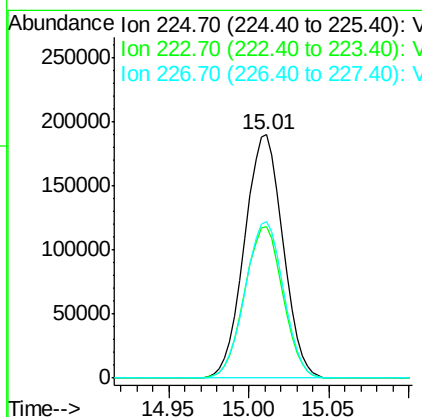
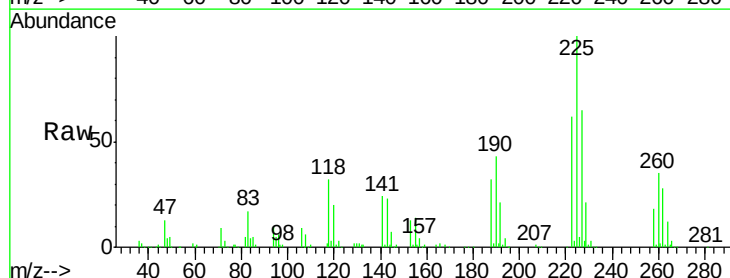
Manual Integrations
 APPROVED

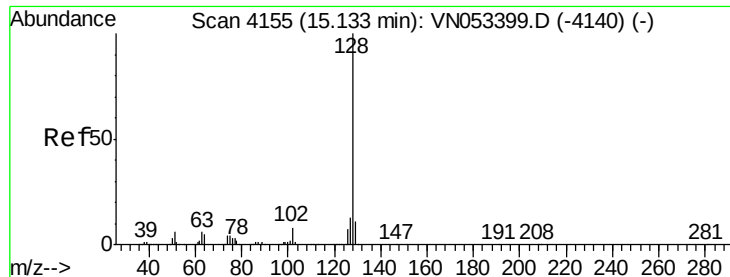
MMDadoda
 1/16/2019 9:50:49 AM



#94
 Hexachlorobutadiene
 Concen: 52.954 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053399.D
 Acq: 15 Jan 2019 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	311781		
223	62.1	30.9	92.8	
227	64.1	31.4	94.2	





#95

Naphthalene

Concen: 46.264 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053399.D

Acq: 15 Jan 2019 10:35

Instrument :

MSVOA_N

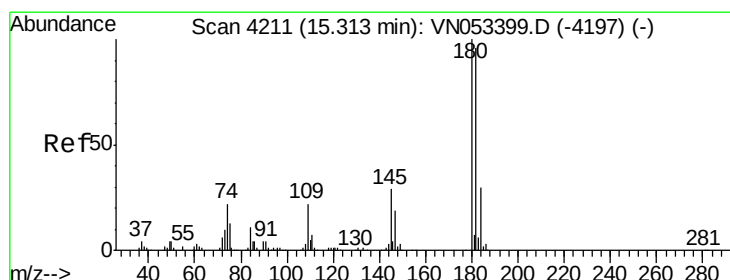
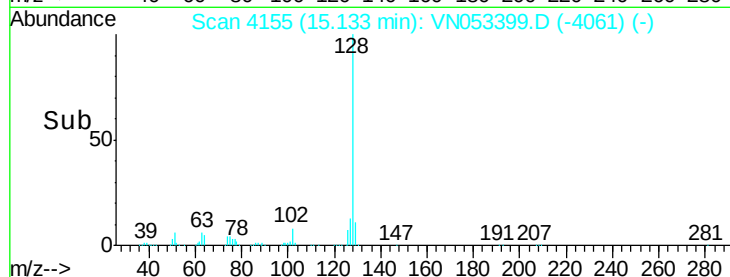
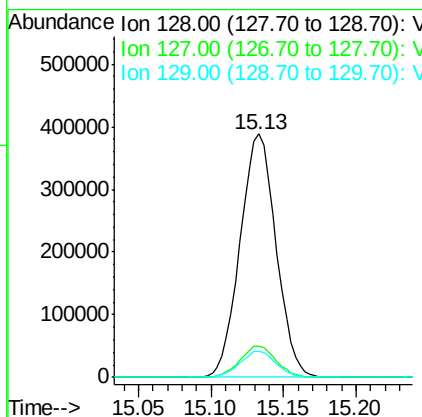
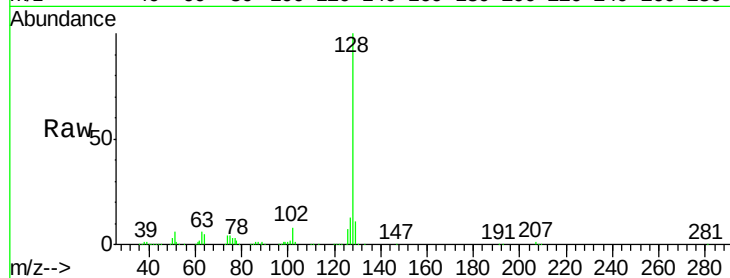
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	671301
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/16/2019 9:50:49 AM



#96

1,2,3-Trichlorobenzene

Concen: 45.917 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053399.D

Acq: 15 Jan 2019 10:35

Tgt Ion:	180	Resp:	277694
Ion Ratio	Lower	Upper	
180	100		
182	95.9	48.4	145.0
145	29.4	14.9	44.5

