

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011519\
 Data File : VN053402.D
 Acq On : 15 Jan 2019 12:01
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN011519

Manual Integrations
 APPROVED

MMDadoda
 1/16/2019 9:51:20 AM

Quant Time: Jan 16 03:44:47 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	7.66	168	955287	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1410090	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1264065	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	617312	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	471735	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
35) Dibromofluoromethane	7.59	113	416814	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	
50) Toluene-d8	10.09	98	1724121	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
62) 4-Bromofluorobenzene	12.40	95	607274	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	379666	49.432	ug/l	99
3) Chloromethane	2.06	50	520176	47.369	ug/l	99
4) Vinyl Chloride	2.19	62	511115	48.285	ug/l	99
5) Bromomethane	2.55	94	331202	45.601	ug/l	100
6) Chloroethane	2.70	64	301550	47.118	ug/l	98
7) Trichlorofluoromethane	3.02	101	688881	49.754	ug/l	99
8) Diethyl Ether	3.41	74	266959	51.336	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	445296	50.783	ug/l	100
10) Methyl Iodide	3.95	142	650066	48.513	ug/l	100
11) Tert butyl alcohol	4.78	59	128485	278.094	ug/l	99
12) 1,1-Dichloroethene	3.74	96	420717	49.467	ug/l	99
13) Acrolein	3.60	56	234019	258.703	ug/l	99
14) Allyl chloride	4.32	41	714602	51.727	ug/l	95
15) Acrylonitrile	4.98	53	815263	268.125	ug/l	99
16) Acetone	3.81	43	552786	249.533	ug/l	99
17) Carbon Disulfide	4.06	76	1282670	49.871	ug/l	99
18) Methyl Acetate	4.32	43	388611	52.067	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	1196602	52.951	ug/l	99
20) Methylene Chloride	4.55	84	480786	47.537	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	456797	50.237	ug/l	99
22) Diisopropyl ether	5.95	45	1461400	50.673	ug/l	97
23) Vinyl Acetate	5.89	43	4811336	271.392	ug/l	99
24) 1,1-Dichloroethane	5.85	63	839892	49.263	ug/l	100
25) 2-Butanone	6.83	43	934443	273.727	ug/l	99
26) 2,2-Dichloropropane	6.82	77	657769	51.099	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	523928	50.390	ug/l	99
28) Bromochloromethane	7.19	49	373052	49.668	ug/l	98
29) Tetrahydrofuran	7.21	42	608568	273.836	ug/l	99
30) Chloroform	7.37	83	820007	49.365	ug/l	97
31) Cyclohexane	7.65	56	825234	49.736	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	702693	49.868	ug/l	99
36) 1,1-Dichloropropene	7.79	75	659100	51.324	ug/l	100
37) Ethyl Acetate	6.93	43	411307	55.212	ug/l	99
38) Carbon Tetrachloride	7.77	117	618447	50.868	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	858300	54.075	ug/l	99
40) Benzene	8.04	78	1971113	50.510	ug/l	99
41) Methacrylonitrile	7.17	41	206371	44.799	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	577890	50.831	ug/l	100
43) Isopropyl Acetate	8.16	43	751843	54.198	ug/l	100
44) Trichloroethene	8.83	130	547887	50.627	ug/l	100
45) 1,2-Dichloropropane	9.12	63	523054	50.604	ug/l	99
46) Dibromomethane	9.21	93	298910	50.334	ug/l	99
47) Bromodichloromethane	9.40	83	628537	50.328	ug/l	99
48) Methyl methacrylate	9.20	41	379007	55.254	ug/l	100
49) 1,4-Dioxane	9.20	88	66765	996.636	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	2052140	282.967	ug/l	100
52) Toluene	10.16	92	1227429	50.664	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	676815	53.467	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	778718	52.477	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	433199	51.864	ug/l	99
56) Ethyl methacrylate	10.43	69	597506	50.390	ug/l	100
57) 1,3-Dichloropropane	10.71	76	747803	51.754	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1586753	271.548	ug/l	99
59) 2-Hexanone	10.75	43	1451620	285.136	ug/l	99
60) Dibromochloromethane	10.90	129	488670	51.582	ug/l	99
61) 1,2-Dibromoethane	11.01	107	444231	52.588	ug/l	99
64) Tetrachloroethene	10.63	164	581974	48.854	ug/l	99
65) Chlorobenzene	11.43	112	1365500	51.035	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	476767	51.221	ug/l	99
67) Ethyl Benzene	11.51	91	2365957	51.886	ug/l	100
68) m/p-Xylenes	11.62	106	1823500	105.918	ug/l	99
69) o-Xylene	11.95	106	875136	52.313	ug/l	100
70) Styrene	11.96	104	1460414	53.790	ug/l	99
71) Bromoform	12.13	173	346213	54.028	ug/l #	100
73) Isopropylbenzene	12.25	105	2352604	52.041	ug/l	100
74) N-amyl acetate	12.07	43	681166	56.524	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	515969	54.422	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	444008m	57.127	ug/l	
77) Bromobenzene	12.53	156	606959	50.954	ug/l	99
78) n-propylbenzene	12.59	91	2740927	52.821	ug/l	99
79) 2-Chlorotoluene	12.67	91	1579845	51.363	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1936182	52.641	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	167754	52.077	ug/l	98
82) 4-Chlorotoluene	12.77	91	1628646	51.923	ug/l	100
83) tert-Butylbenzene	12.99	119	1722384	53.020	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1967697	53.057	ug/l	100
85) sec-Butylbenzene	13.17	105	2369826	53.192	ug/l	100
86) p-Isopropyltoluene	13.29	119	2087790	53.970	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1093259	52.175	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1071494	50.979	ug/l	99
89) n-Butylbenzene	13.62	91	1803237	54.685	ug/l	100
90) Hexachloroethane	13.88	117	317279	52.296	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	1010045	52.396	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	67447	56.105	ug/l	98

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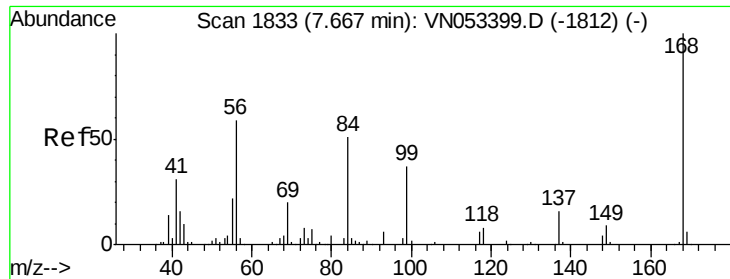
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	444165	52.097	ug/l	99
94) Hexachlorobutadiene	15.01	225	340917	56.692	ug/l	98
95) Naphthalene	15.13	128	772163	51.606	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	324258	51.936	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011519

Tot Ion:168 Resp: 955287

Ion Ratio Lower Upper

168 100

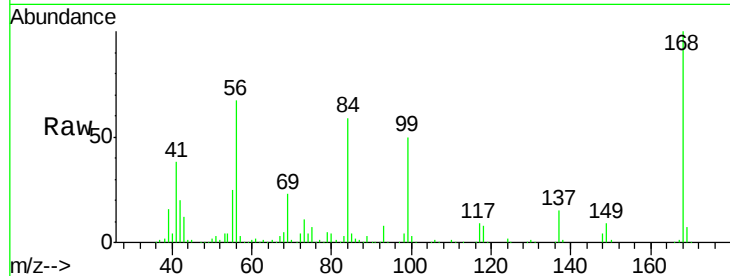
99 49.5 39.1 58.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

400000

300000

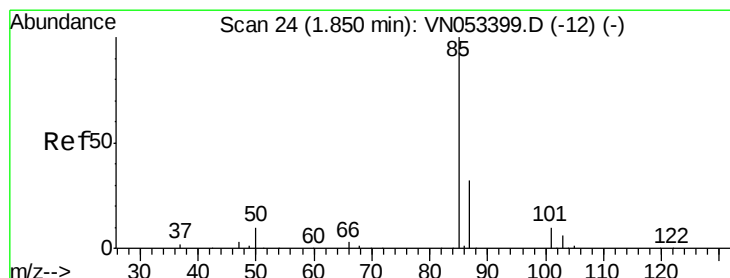
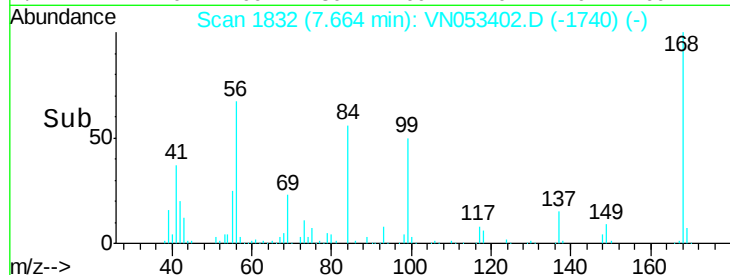
200000

100000

0

7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 49.432 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053402.D

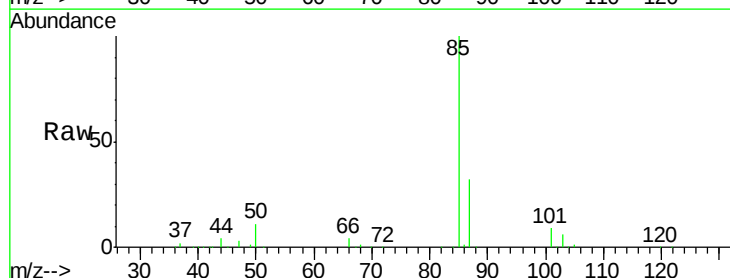
Acq: 15 Jan 2019 12:01

Tgt Ion: 85 Resp: 379666

Ion Ratio Lower Upper

85 100

87 32.4 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

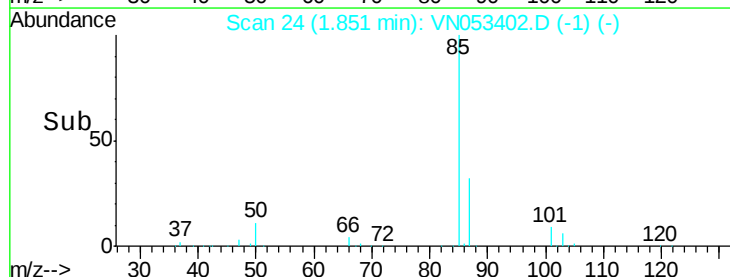
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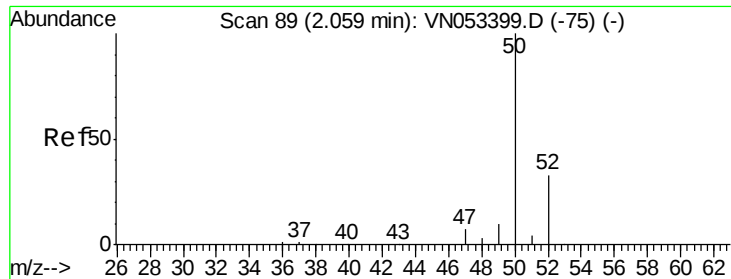
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 47.369 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011519

Tot Ion: 50 Resp: 520176

Ion Ratio Lower Upper

50 100

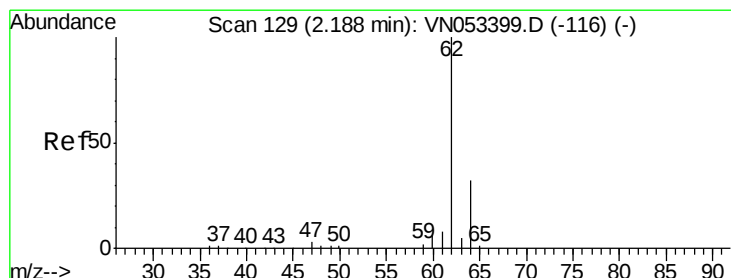
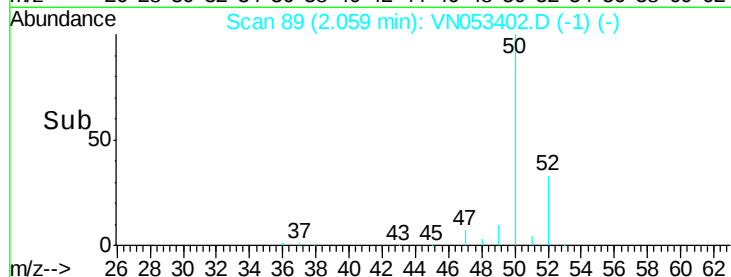
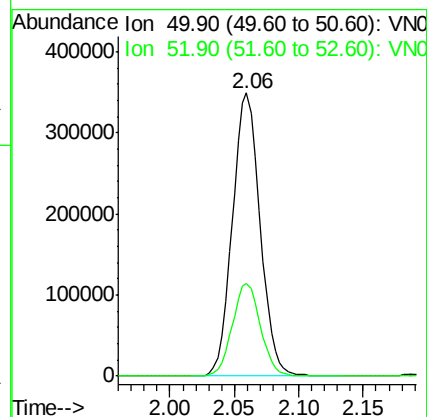
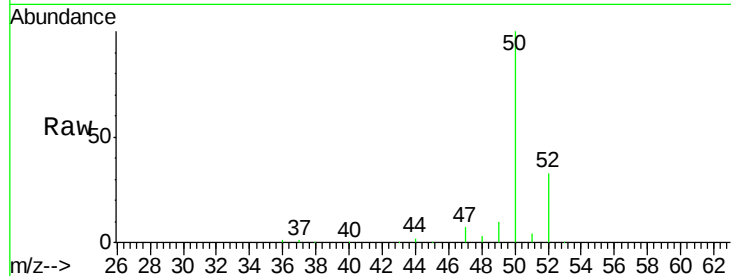
52 32.9 26.6 40.0

Manual Integrations

APPROVED

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#4

Vinyl Chloride

Concen: 48.285 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053402.D

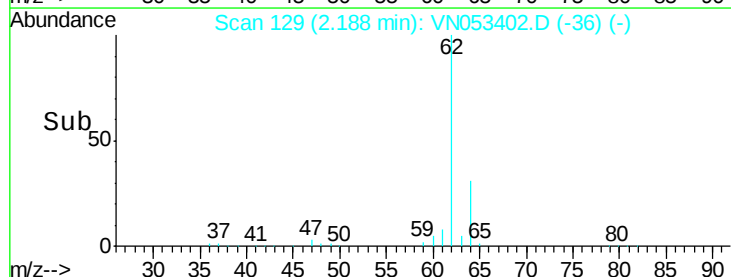
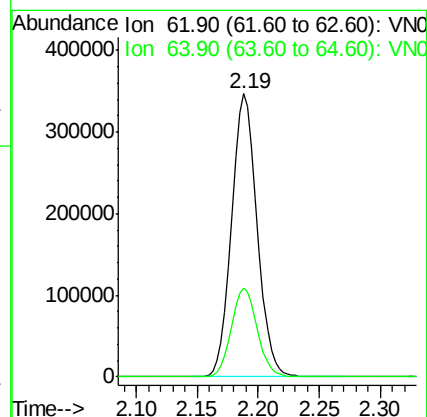
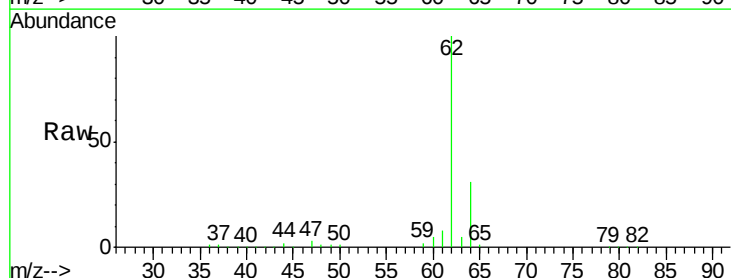
Acq: 15 Jan 2019 12:01

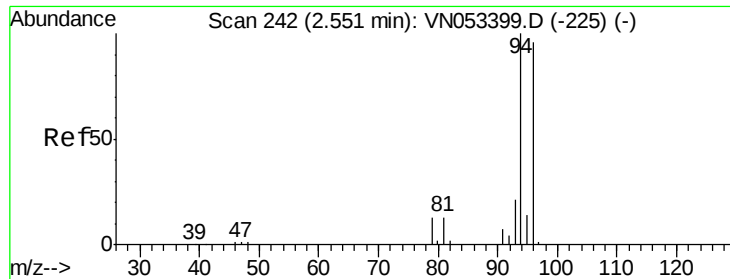
Tgt Ion: 62 Resp: 511115

Ion Ratio Lower Upper

62 100

64 31.4 25.6 38.4





#5

Bromomethane

Concen: 45.601 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011519

Tot Ion: 94 Resp: 331202

Ion Ratio Lower Upper

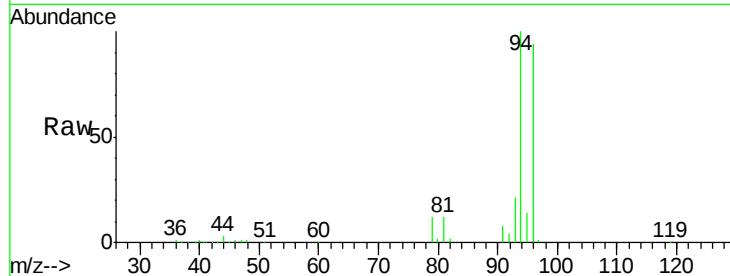
94 100

96 93.8 74.9 112.3

Manual Integrations
APPROVED

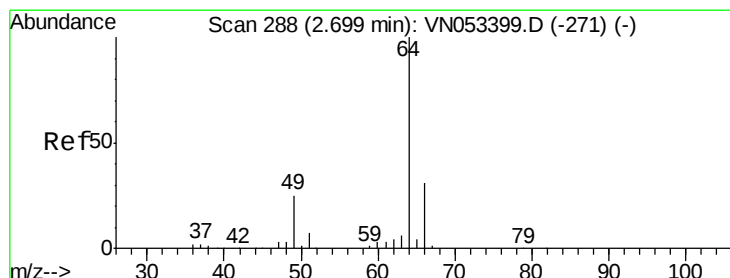
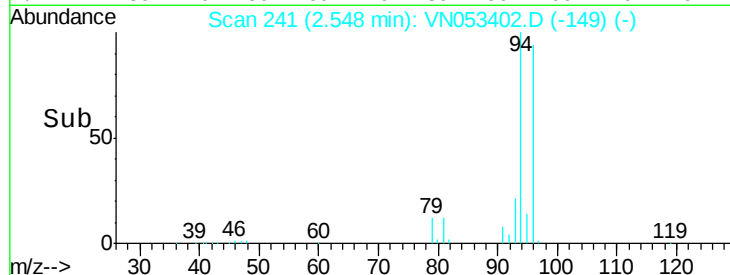
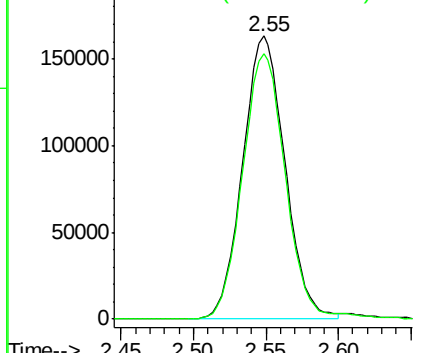
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 47.118 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.00 min

Lab File: VN053402.D

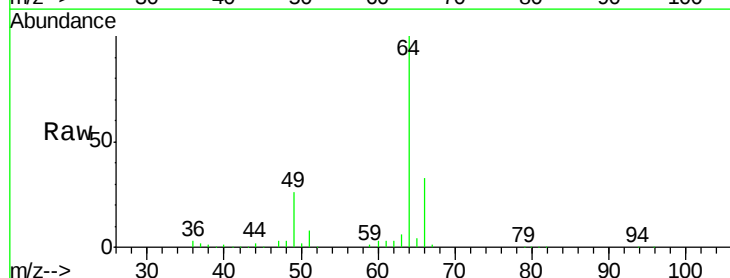
Acq: 15 Jan 2019 12:01

Tgt Ion: 64 Resp: 301550

Ion Ratio Lower Upper

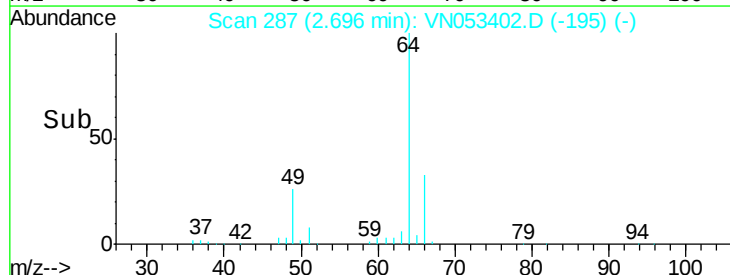
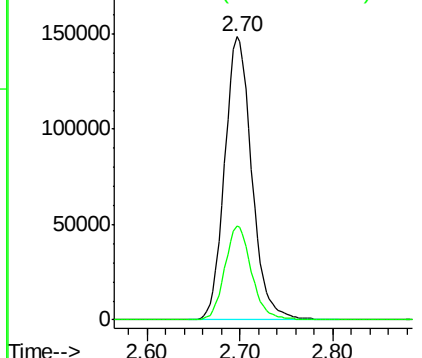
64 100

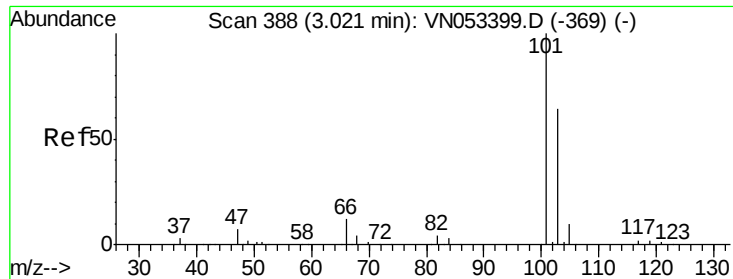
66 33.0 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

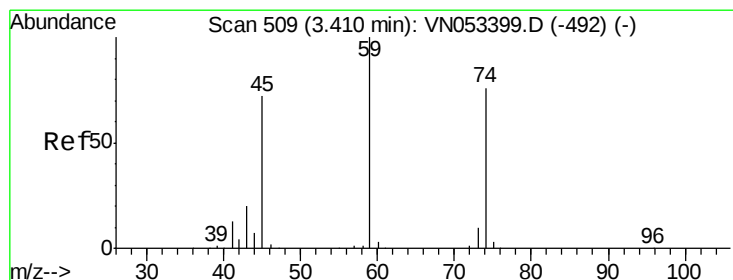
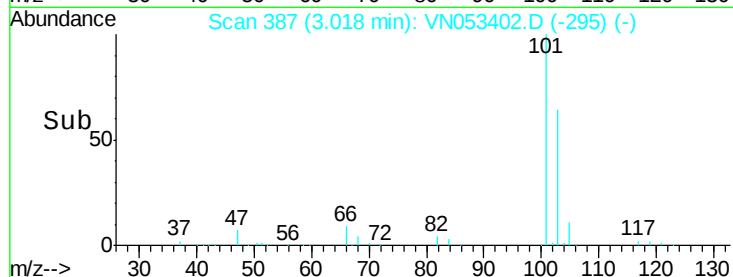
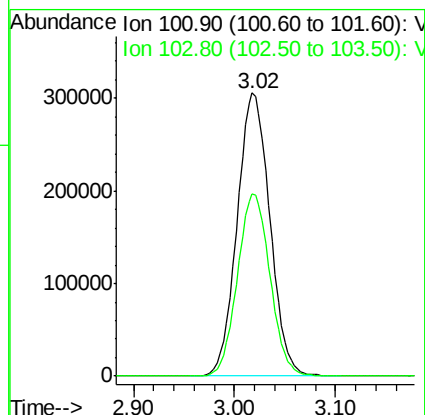
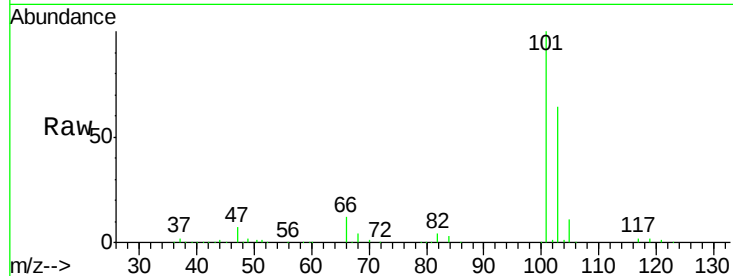
Trichlorofluoromethane
 Concen: 49.754 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN053402.D
 Acq: 15 Jan 2019 12:01

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 ICVVN011519

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.1	78.1

Manual Integrations
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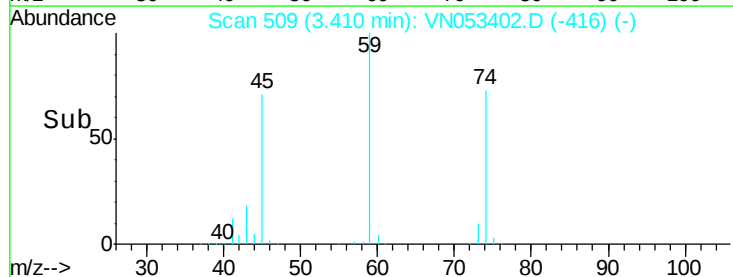
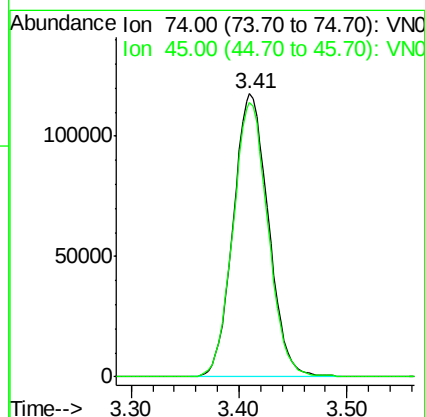
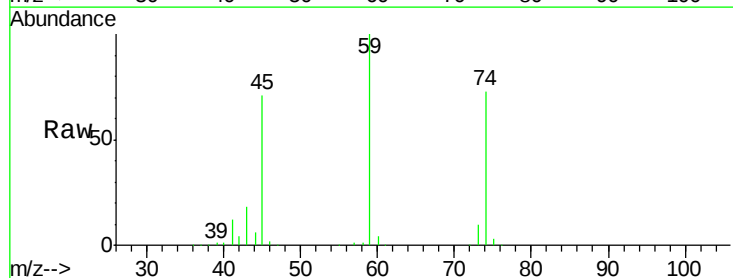
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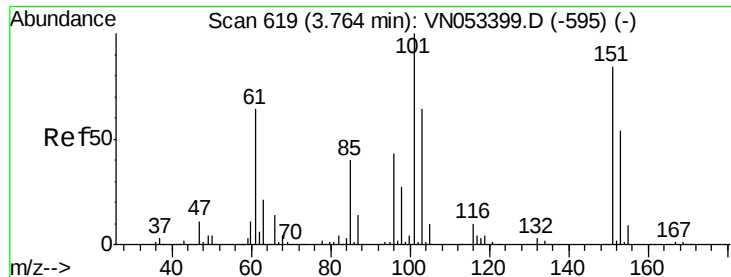


#8

Diethyl Ether
 Concen: 51.336 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN053402.D
 Acq: 15 Jan 2019 12:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.3	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.783 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

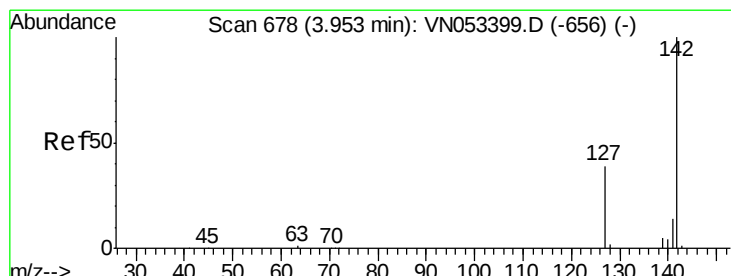
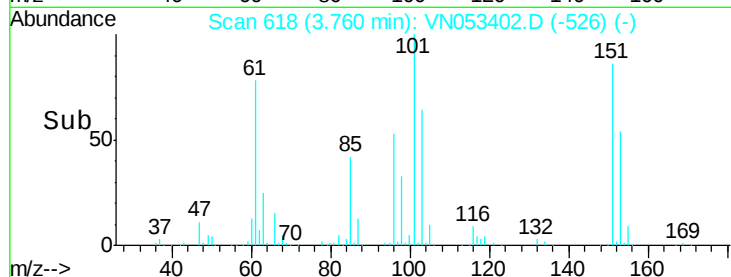
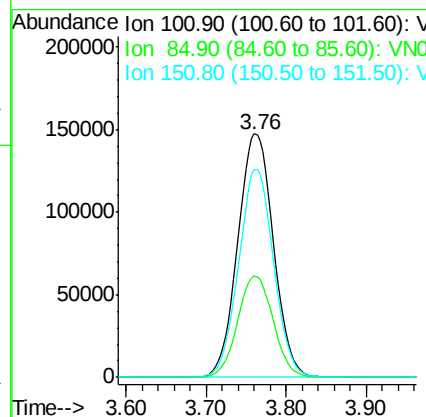
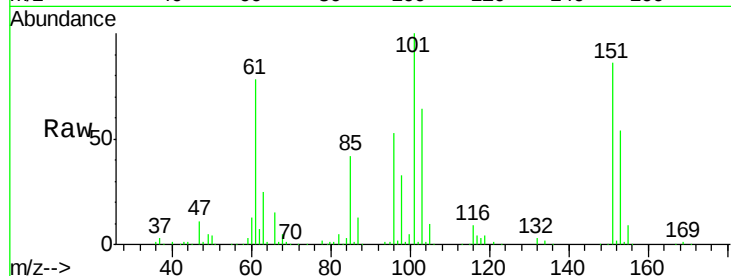
ClientSampleId :

ICVVN011519

Tot Ion:	101	Resp:	445296
Ion Ratio	Lower	Upper	
101	100		
85	41.3	33.3	49.9
151	83.9	67.0	100.4

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#10

Methyl Iodide

Concen: 48.513 ug/l

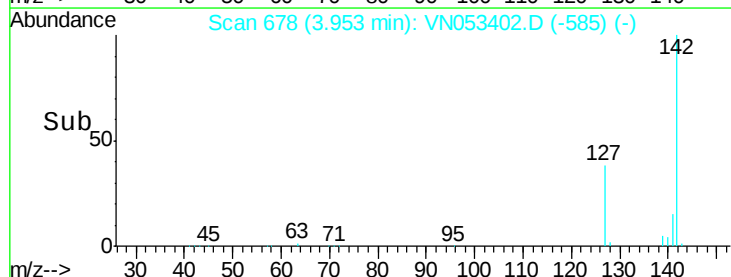
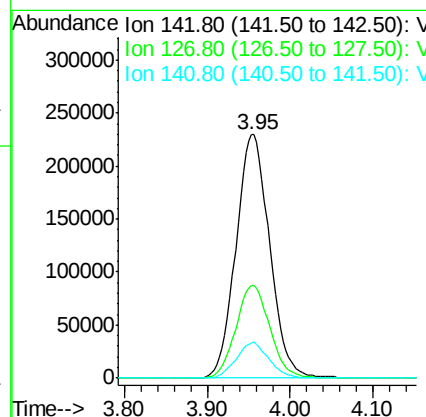
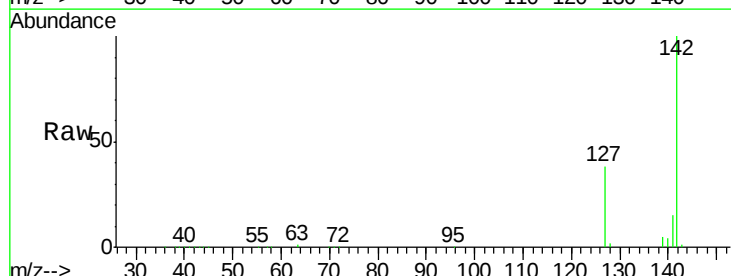
RT: 3.95 min Scan# 678

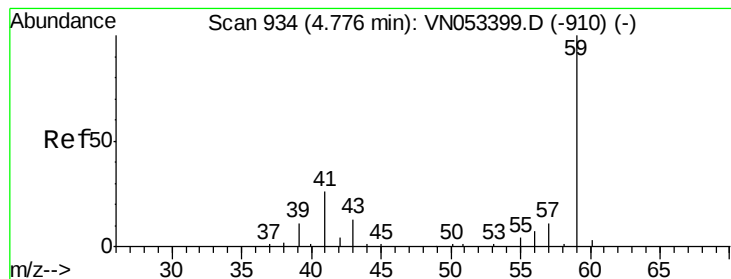
Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Tgt Ion:	142	Resp:	650066
Ion Ratio	Lower	Upper	
142	100		
127	38.4	30.9	46.3
141	14.1	11.2	16.8





#11

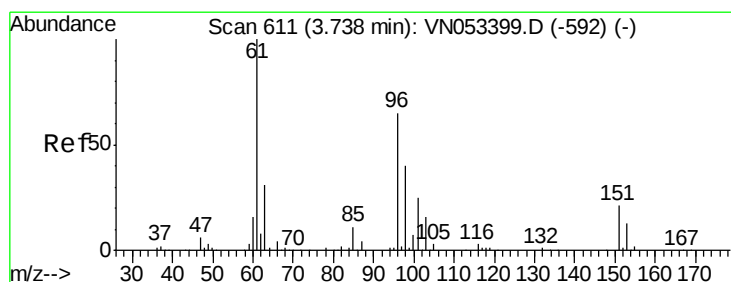
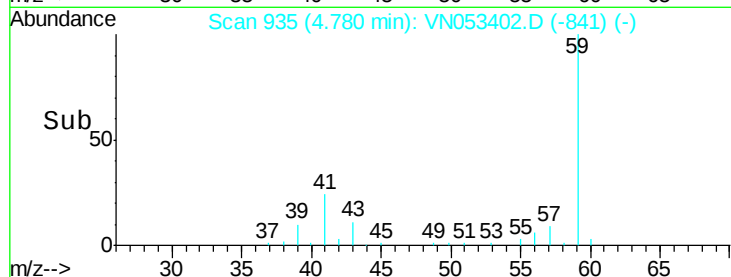
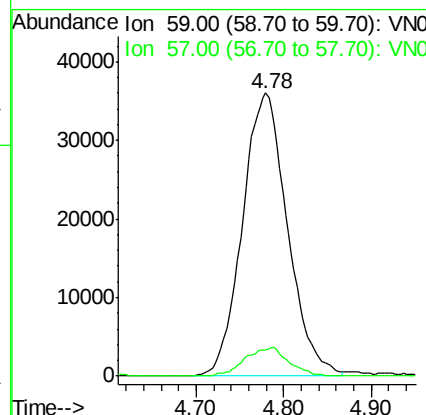
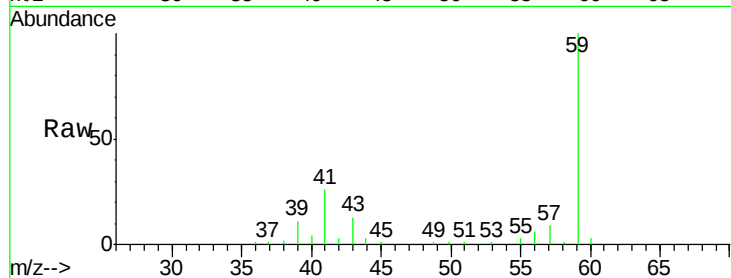
Tert butyl alcohol
Concen: 278.094 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Instrument :
MSVOA_N
ClientSampled :
ICVVN011519

Tot Ion	Ratio	Resp	Lower	Upper
59	100	128485		
57	9.8		8.0	12.0

Manual Integrations
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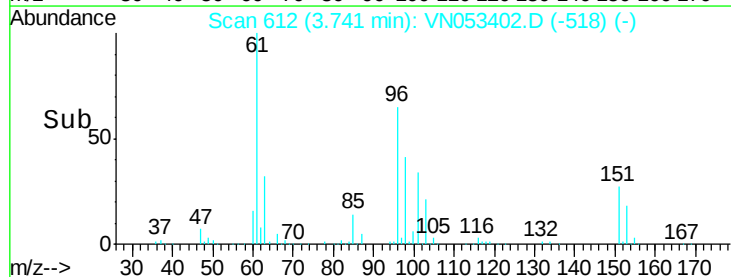
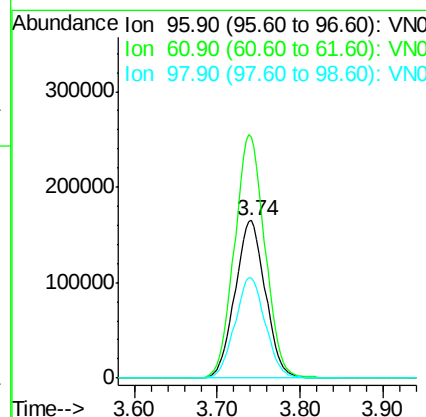
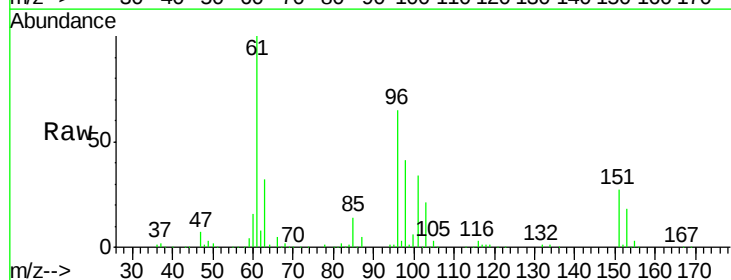
MMDadoda
1/16/2019 9:51:20 AM

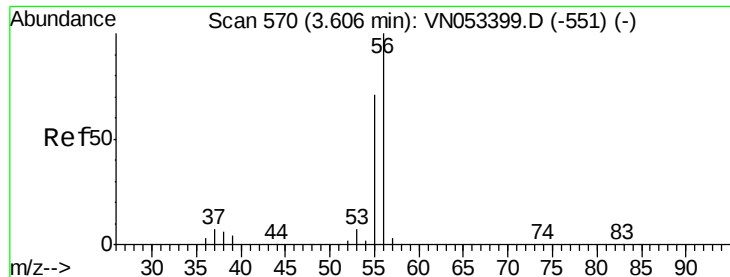


#12

1,1-Dichloroethene
Concen: 49.467 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	420717		
61	153.2		123.2	184.8
98	63.4		50.5	75.7





#13

Acrolein

Concen: 258.703 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011519

Tot Ion: 56 Resp: 234019

Ion Ratio Lower Upper

56 100

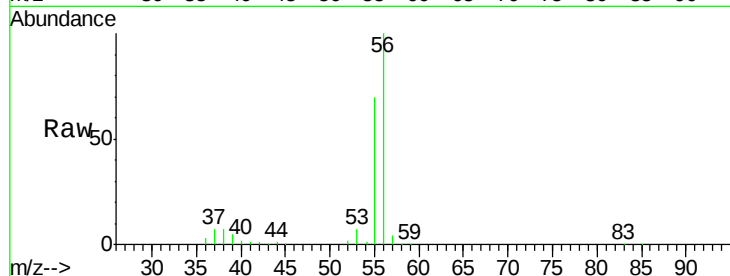
55 69.5 56.3 84.5

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.60

100000

80000

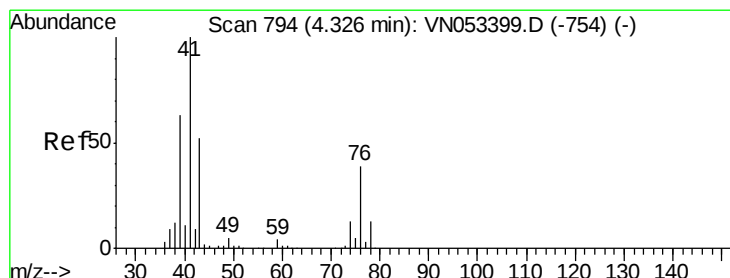
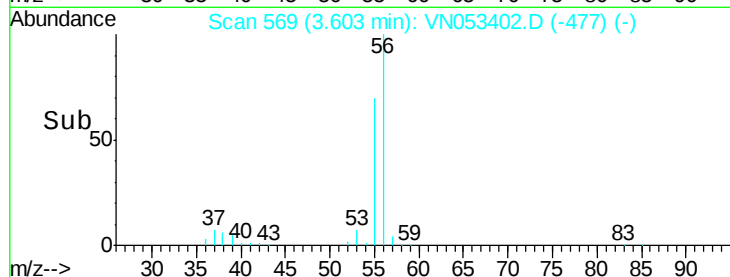
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 51.727 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

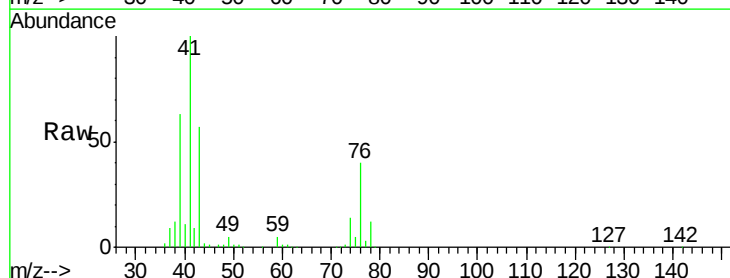
Tgt Ion: 41 Resp: 714602

Ion Ratio Lower Upper

41 100

39 60.2 51.9 77.9

76 36.8 31.2 46.8



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.32

300000

250000

200000

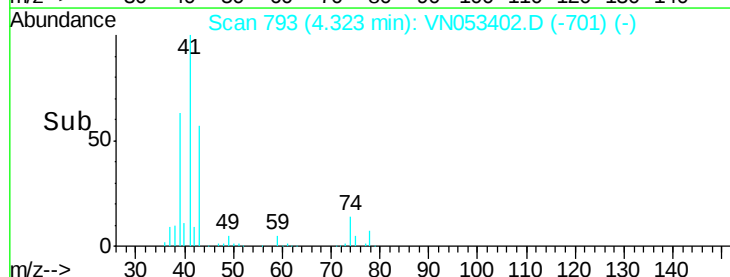
150000

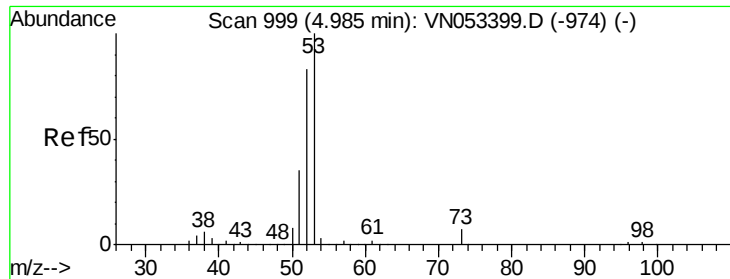
100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 268.125 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

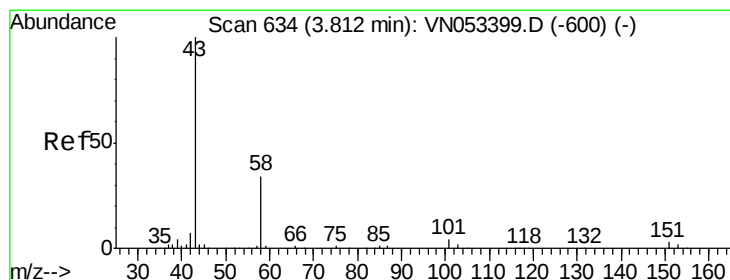
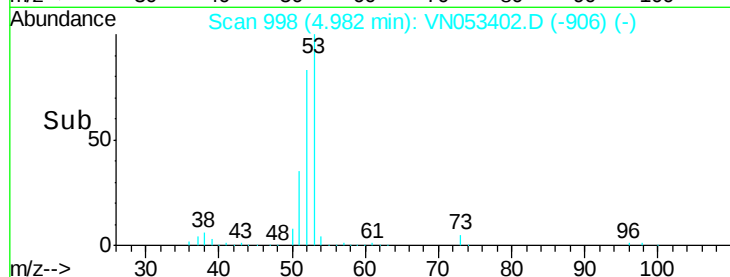
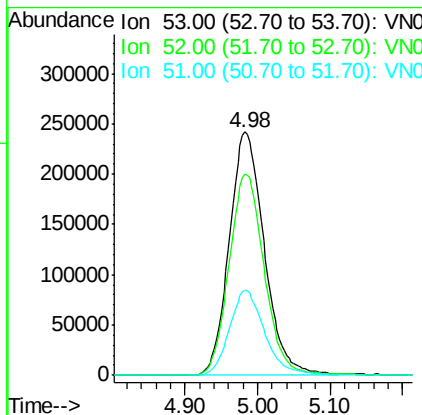
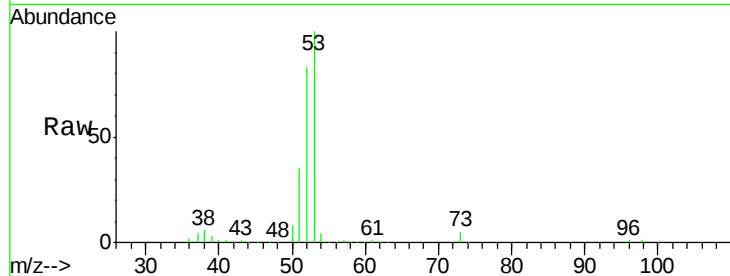
ClientSampleId :

ICVVN011519

Tot Ion:	53	Resp:	815263
Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.2	97.8
51	35.3	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 249.533 ug/l

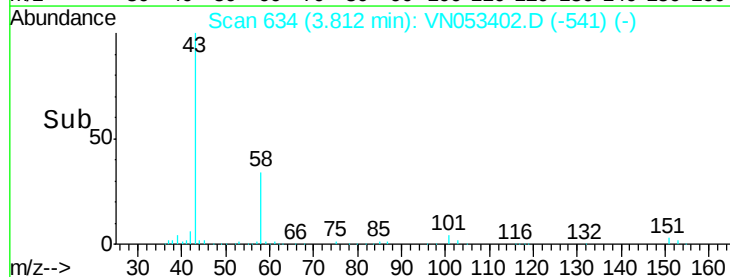
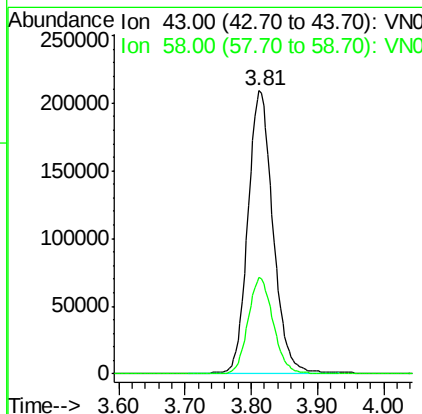
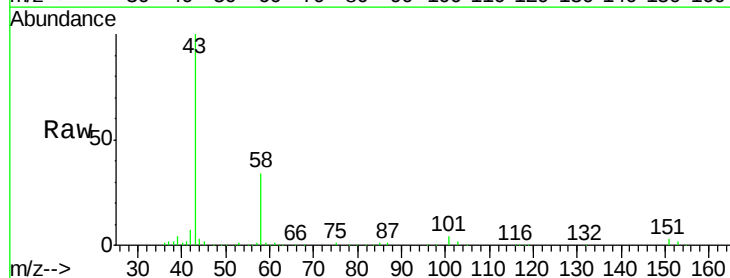
RT: 3.81 min Scan# 634

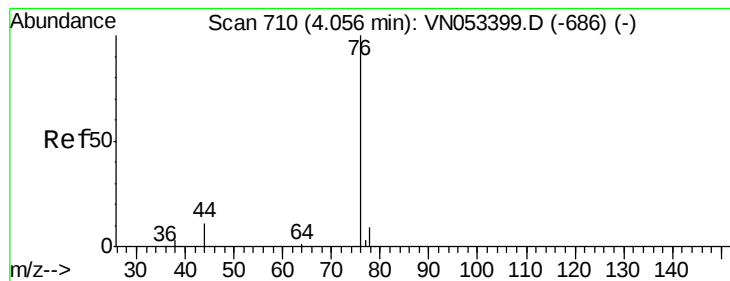
Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Tgt Ion:	43	Resp:	552786
Ion	Ratio	Lower	Upper
43	100		
58	34.1	27.8	41.6





#17

Carbon Disulfide

Concen: 49.871 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011519

Tot Ion: 76 Resp: 1282670

Ion Ratio Lower Upper

76 100

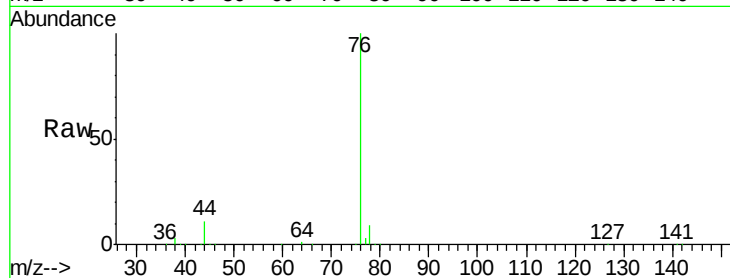
78 9.2 7.2 10.8

Manual Integrations

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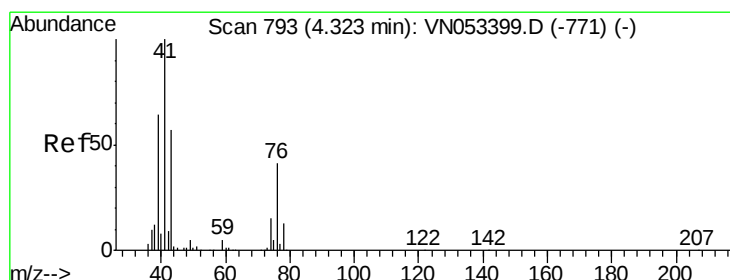
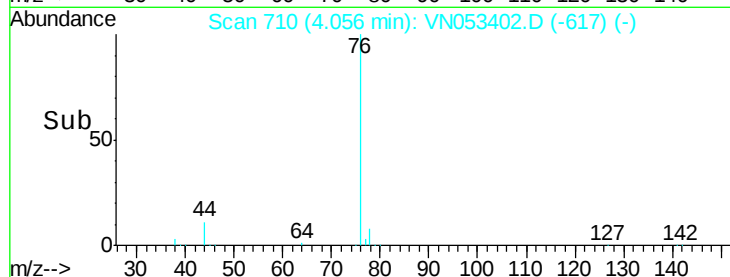
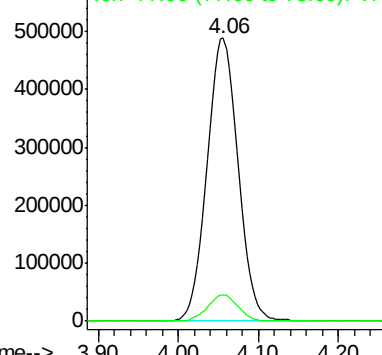
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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 52.067 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053402.D

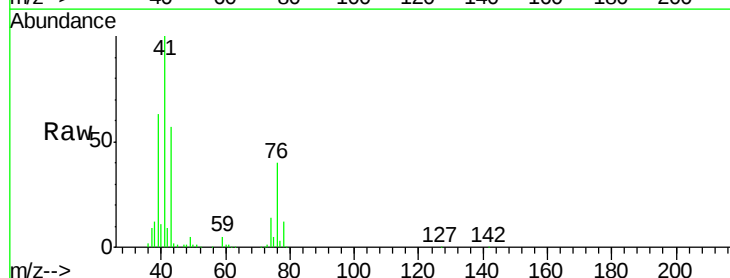
Acq: 15 Jan 2019 12:01

Tgt Ion: 43 Resp: 388611

Ion Ratio Lower Upper

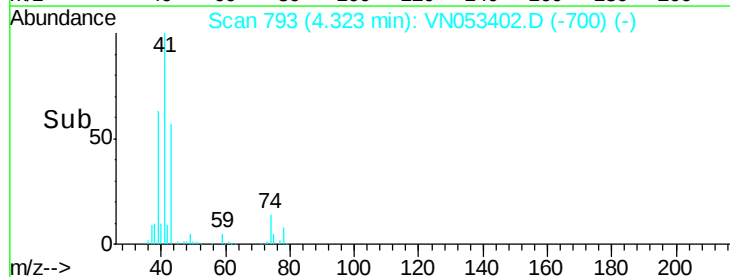
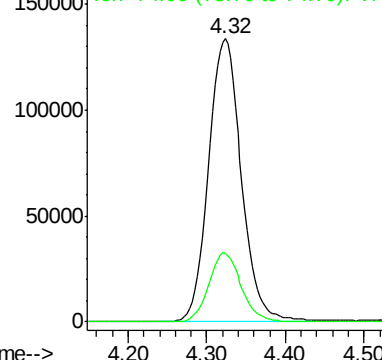
43 100

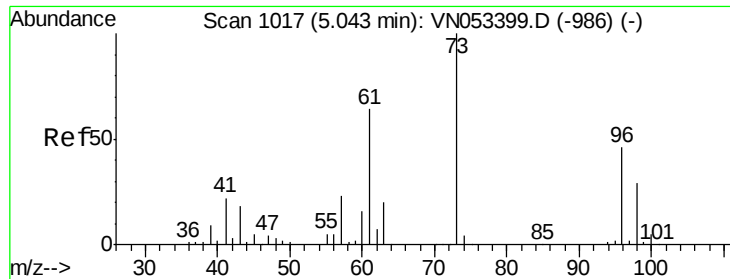
74 24.3 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC





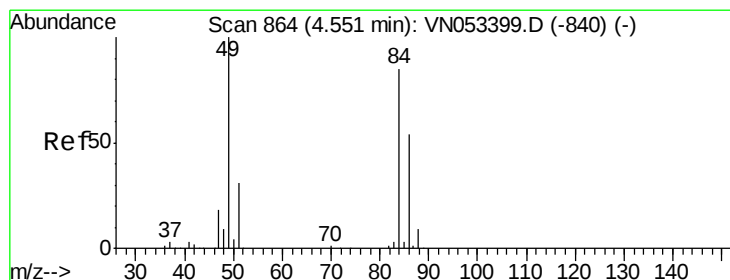
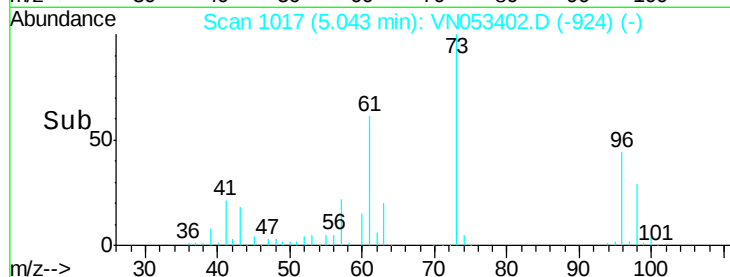
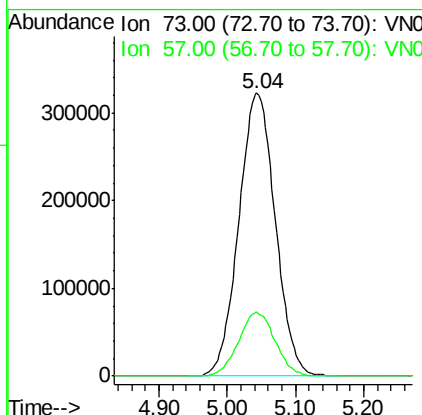
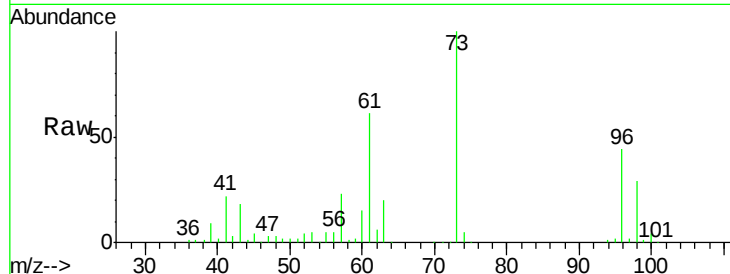
#19
Methvl tert-butvl Ether
Concen: 52.951 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011519

Tot Ion: 73 Resp: 1196602
Ion Ratio Lower Upper
73 100
57 22.6 18.5 27.7

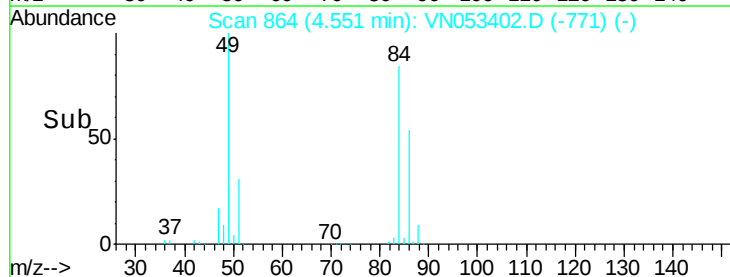
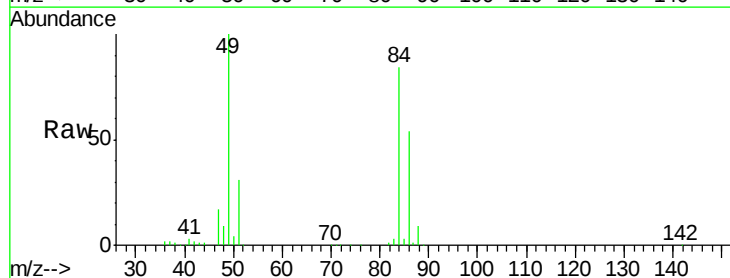
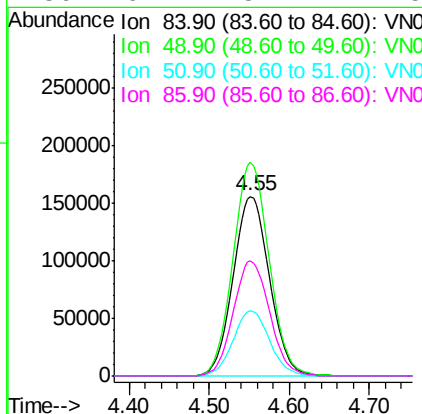
Manual Integrations
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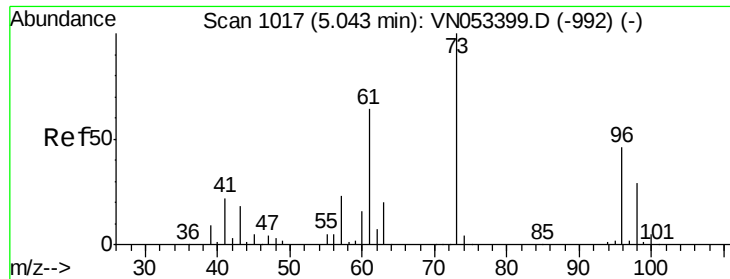
MMDadoda
1/16/2019 9:51:20 AM



#20
Methylene Chloride
Concen: 47.537 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Tgt Ion: 84 Resp: 480786
Ion Ratio Lower Upper
84 100
49 118.8 95.3 142.9
51 36.5 29.0 43.6
86 64.1 51.7 77.5





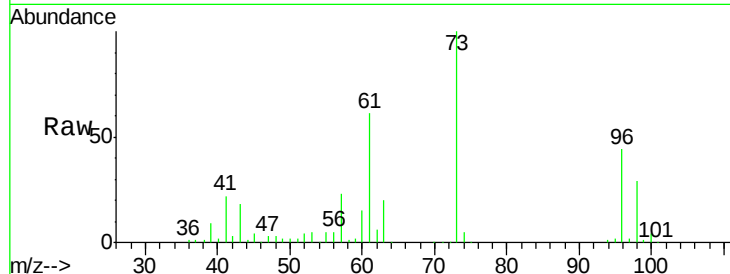
#21
trans-1,2-Dichloroethene
Concen: 50.237 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011519

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.6	110.2	165.4
98	64.7	50.7	76.1

Manual Integrations
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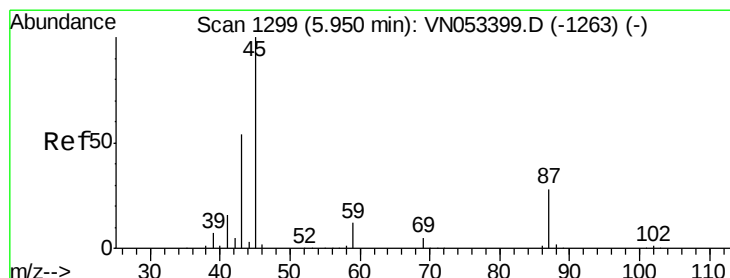
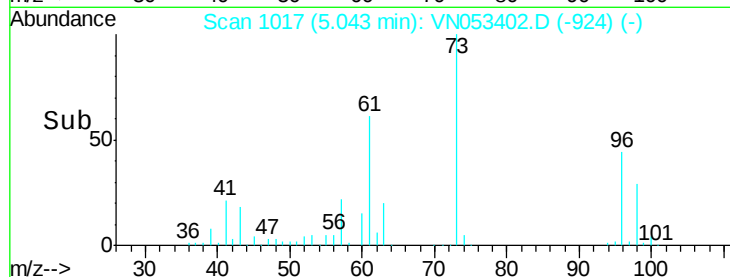
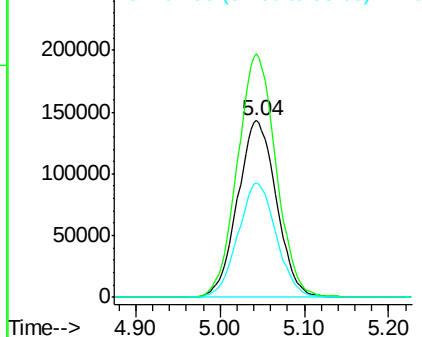


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 50.673 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.9	43.0	64.6
87	29.0	22.1	33.1
59	12.2	9.0	13.4

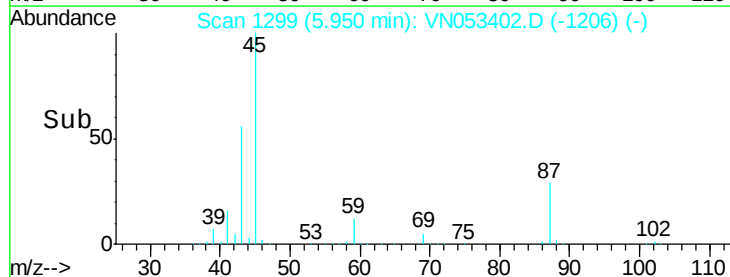
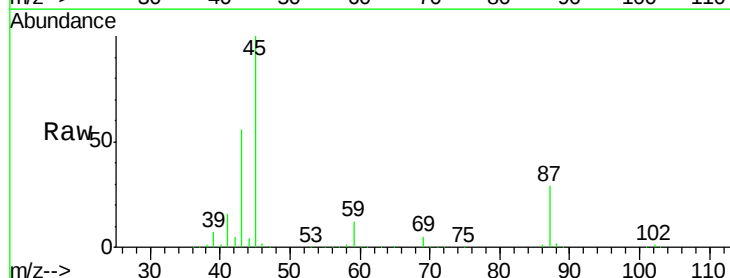
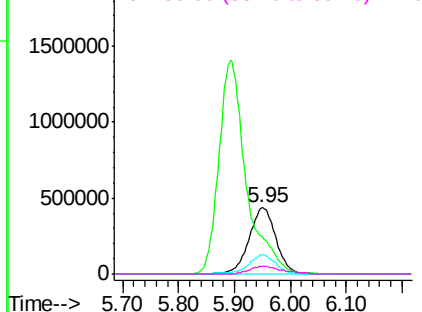
Abundance

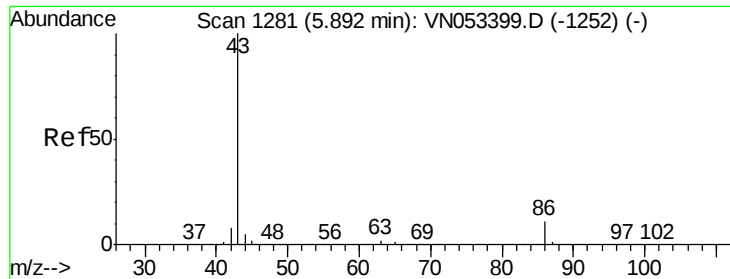
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 271.392 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011519

Tot Ion: 43 Resp: 4811336

Ion Ratio Lower Upper

43 100

86 10.8

8.4

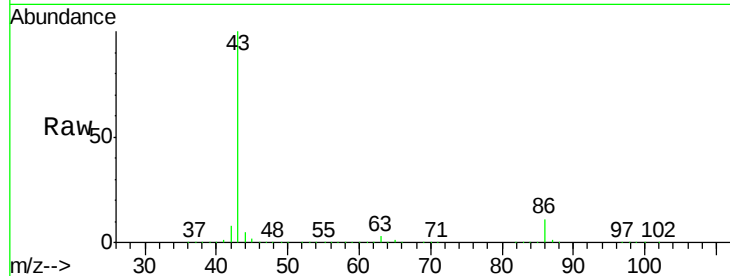
12.6

Manual Integrations

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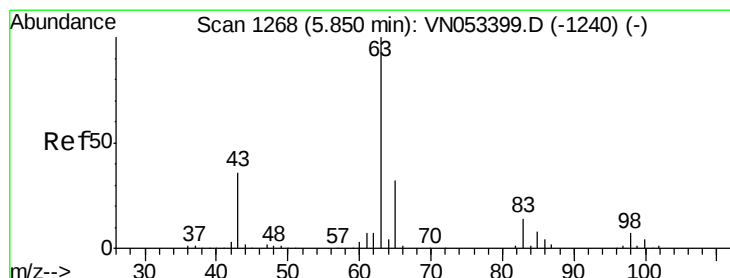
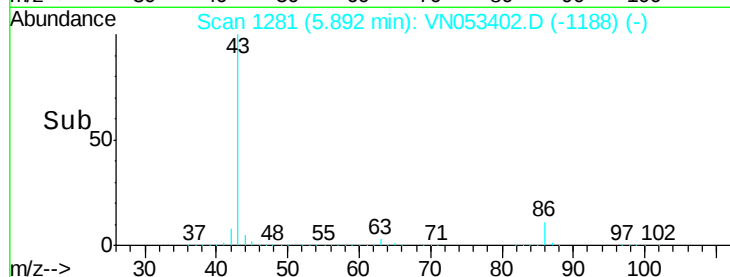
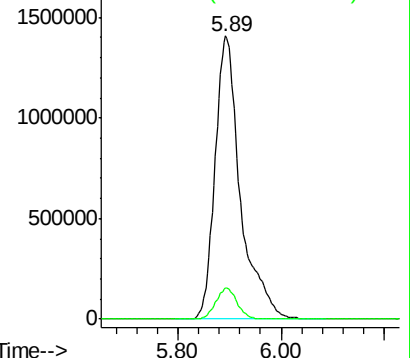
MMDadoda

1/16/2019 9:51:20 AM



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 86.00 (85.70 to 86.70): VNO



#24

1,1-Dichloroethane

Concen: 49.263 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Tgt Ion: 63 Resp: 839892

Ion Ratio Lower Upper

63 100

98 6.4

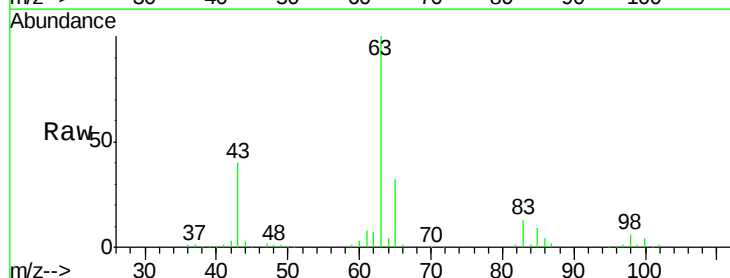
3.3

9.8

100 4.0

2.1

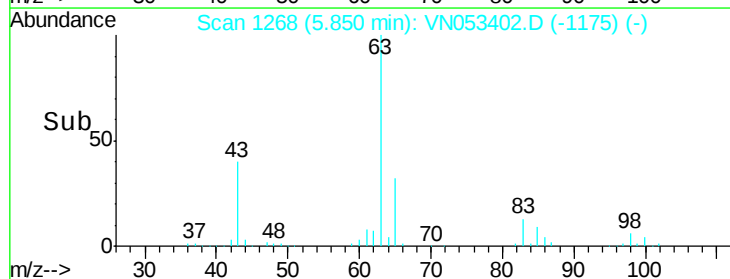
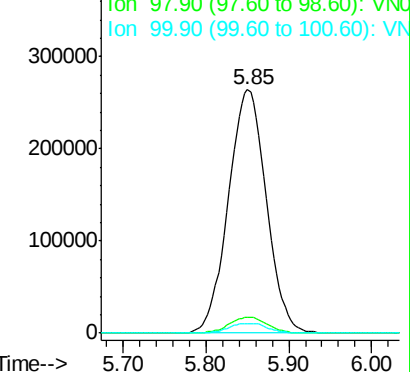
6.5

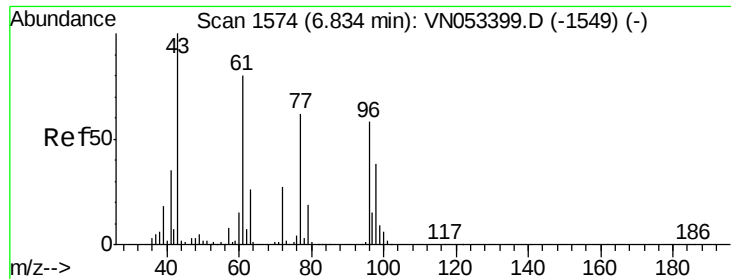


Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

Ion 99.90 (99.60 to 100.60): VNO





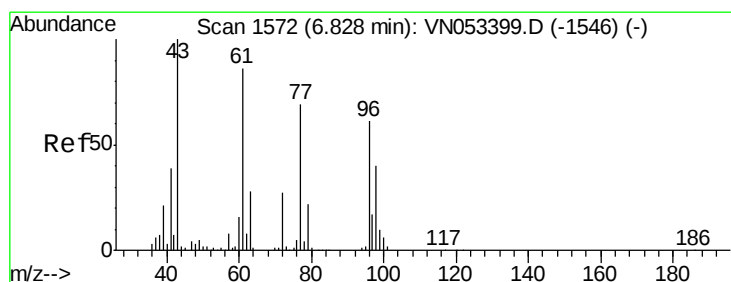
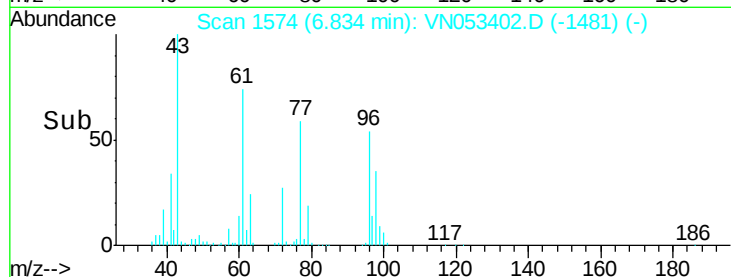
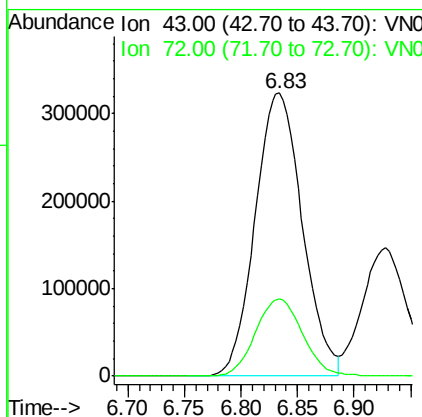
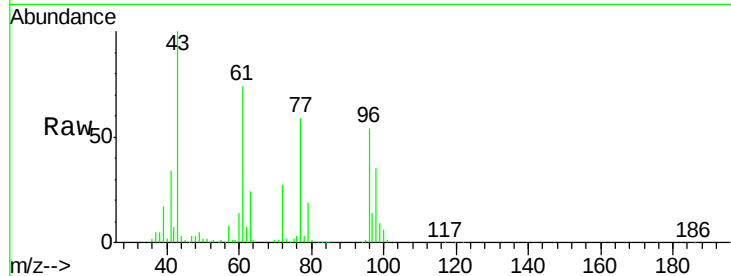
#25
 2-Butanone
 Concen: 273.727 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN053402.D
 Acq: 15 Jan 2019 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN011519

Tot Ion: 43 Resp: 934443
 Ion Ratio Lower Upper
 43 100
 72 27.2 22.0 33.0

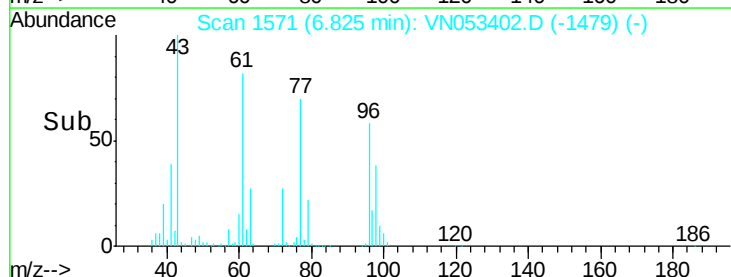
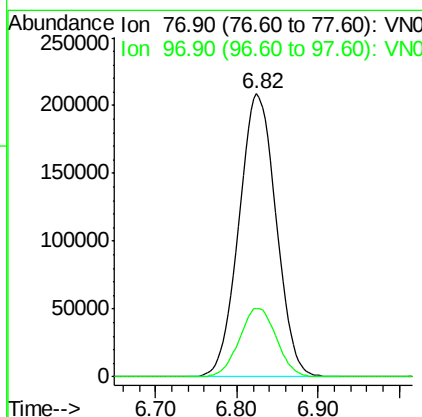
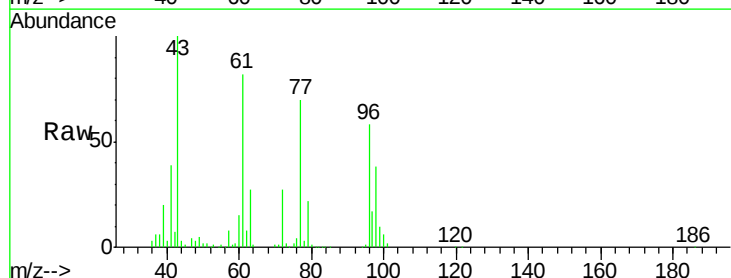
Manual Integrations
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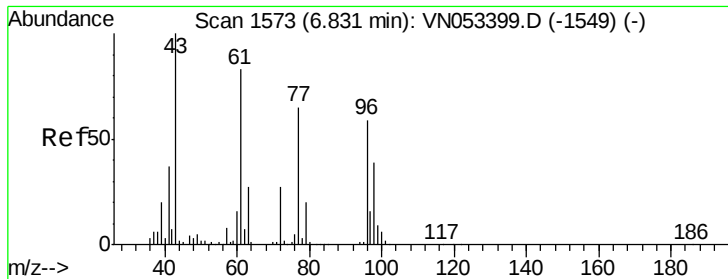
MMDadoda
 1/16/2019 9:51:20 AM



#26
 2,2-Dichloropropane
 Concen: 51.099 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN053402.D
 Acq: 15 Jan 2019 12:01

Tgt Ion: 77 Resp: 657769
 Ion Ratio Lower Upper
 77 100
 97 24.2 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 50.390 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

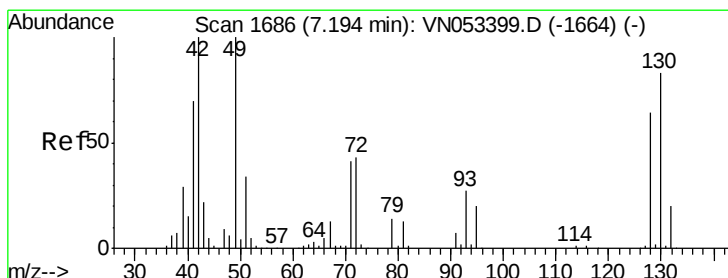
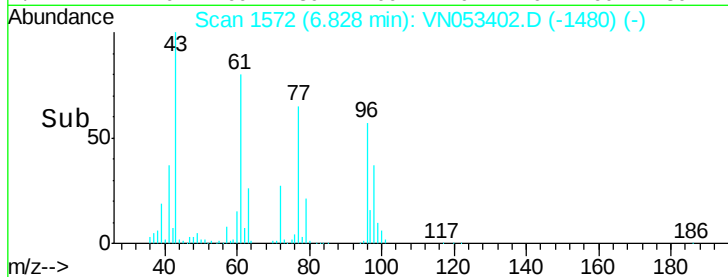
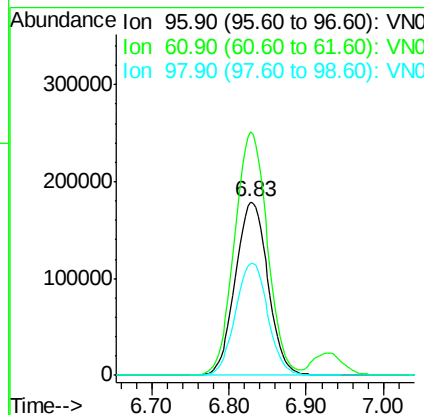
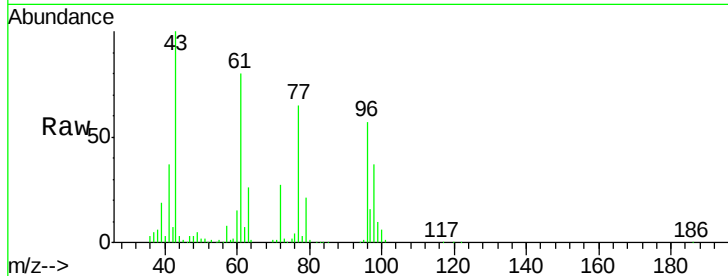
ClientSampleId :

ICVVN011519

Tot Ion:	96	Resp:	523928
Ion	Ratio	Lower	Upper
96	100		
61	141.3	0.0	280.6
98	64.5	0.0	127.6

Manual Integrations
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MMDadoda
1/16/2019 9:51:20 AM



#28

Bromochloromethane

Concen: 49.668 ug/l

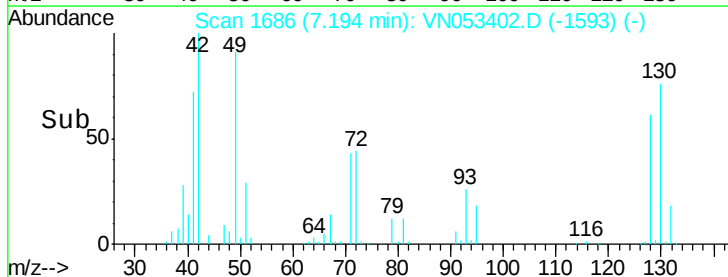
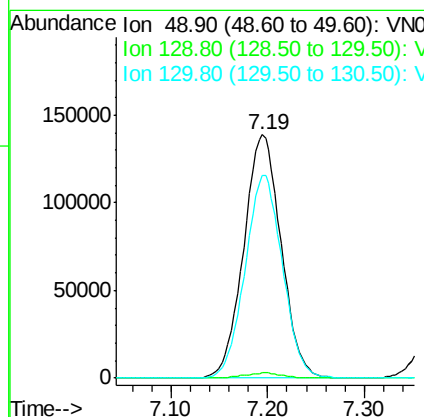
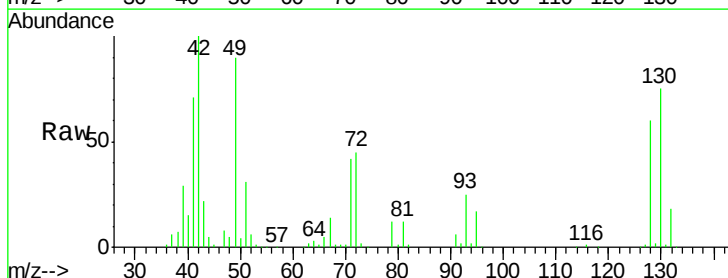
RT: 7.19 min Scan# 1686

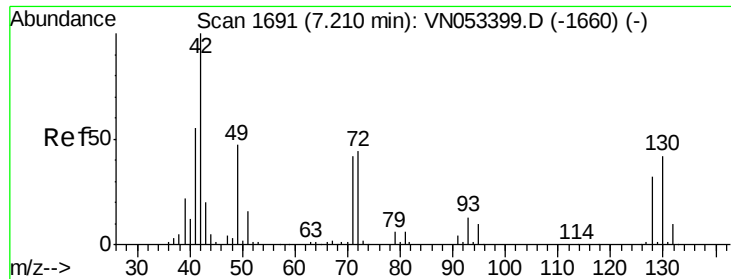
Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Tgt Ion:	49	Resp:	373052
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	83.3	65.4	98.0





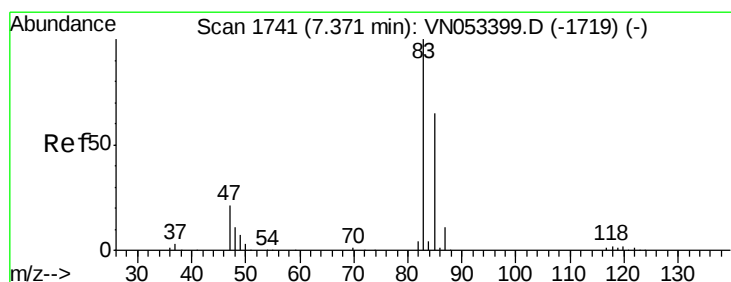
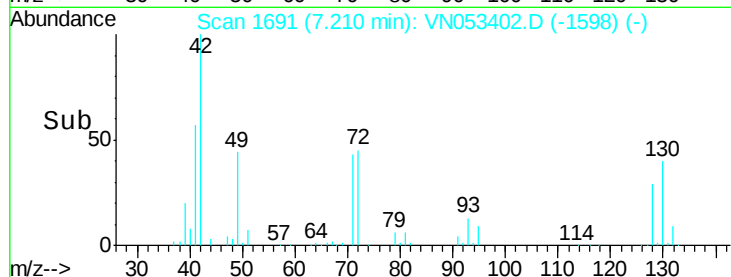
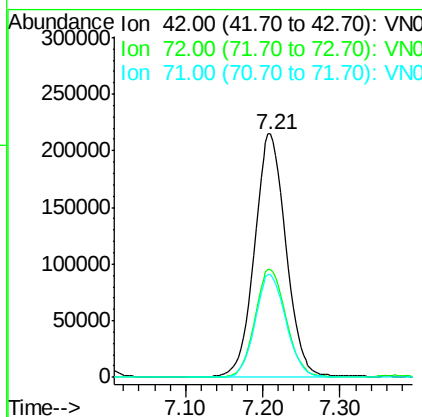
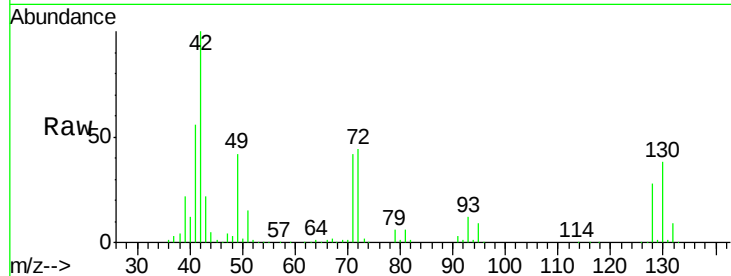
#29
Tetrahydrofuran
Concen: 273.836 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011519

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	35.6	53.4
71	41.7	33.8	50.8

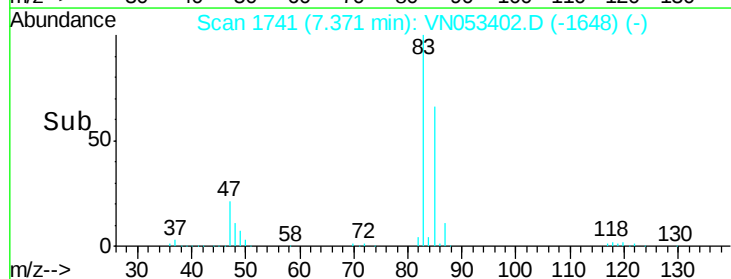
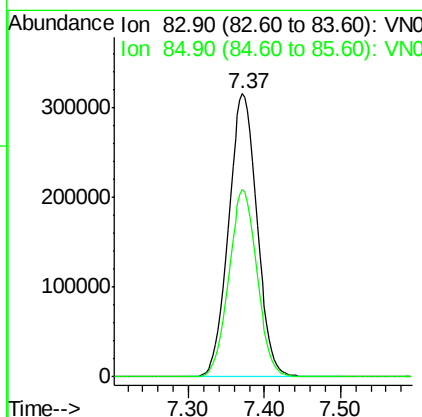
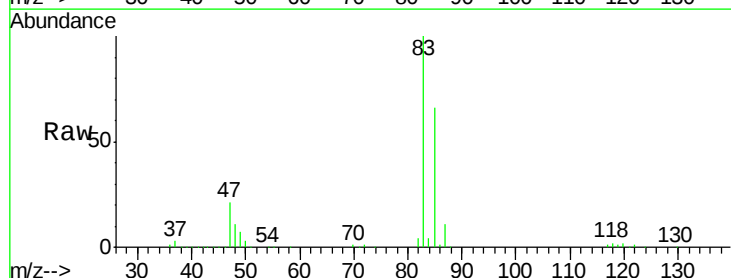
Manual Integrations
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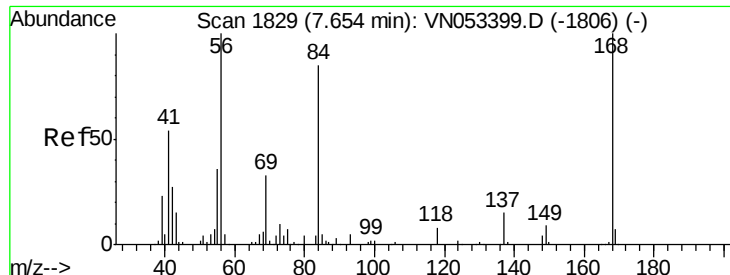
MMDadoda
1/16/2019 9:51:20 AM



#30
Chloroform
Concen: 49.365 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.3	76.9





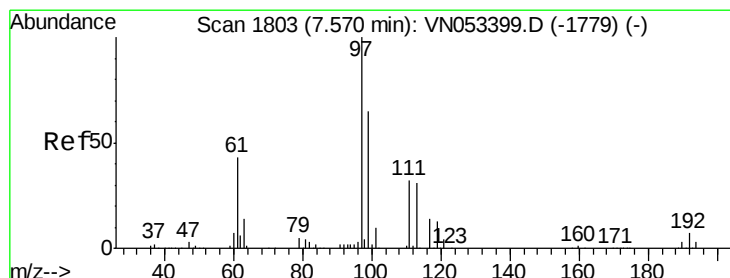
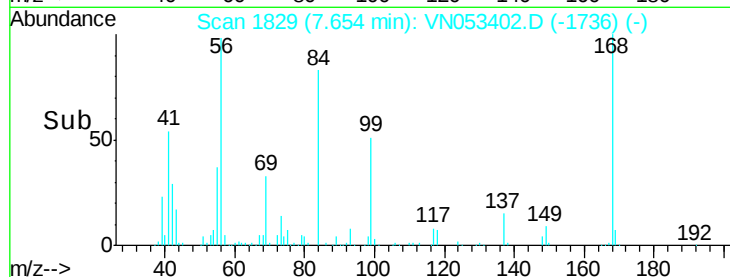
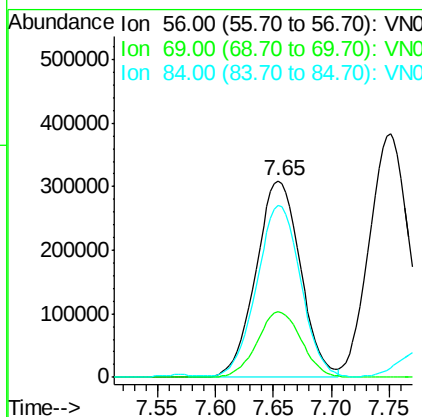
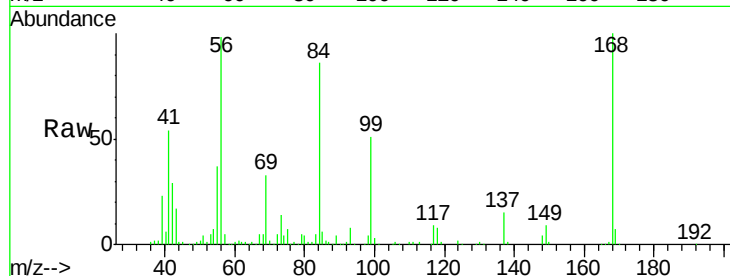
#31
Cyclohexane
Concen: 49.736 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011519

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.2	26.7	40.1
84	86.2	68.2	102.4

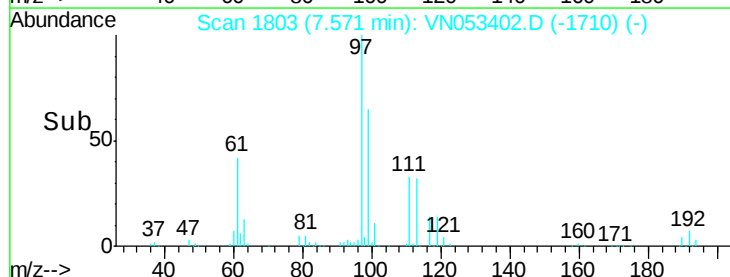
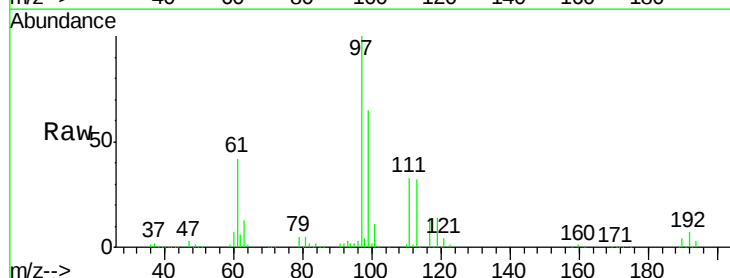
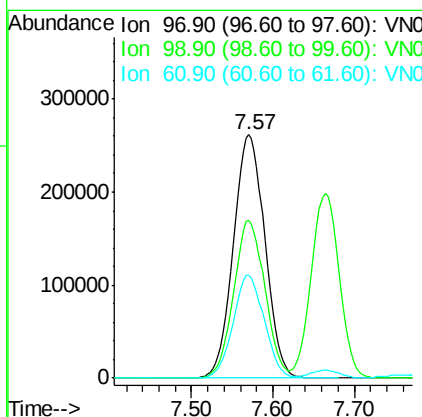
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#32
1,1,1-Trichloroethane
Concen: 49.868 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.6	77.4
61	41.7	34.6	52.0





#33

1,2-Dichloroethane-d4

Concen: 49.868 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011519

Tot Ion: 65 Resp: 471735

Ion Ratio Lower Upper

65 100

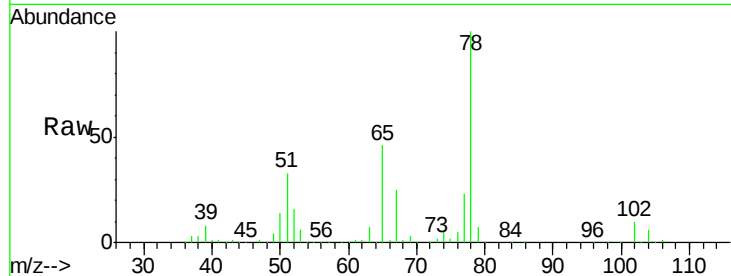
67 55.3 0.0 111.0

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN053399.D (-1925) (-)

Ion 66.90 (66.60 to 67.60): VN053399.D (-1925) (-)

8.02

200000

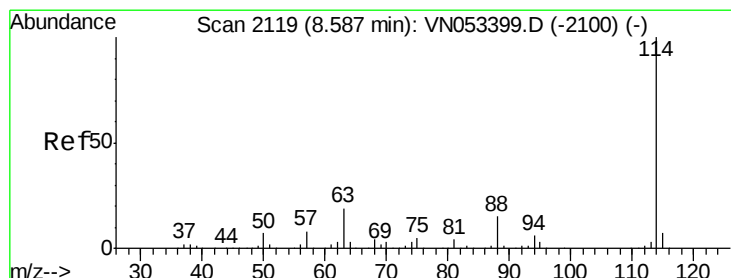
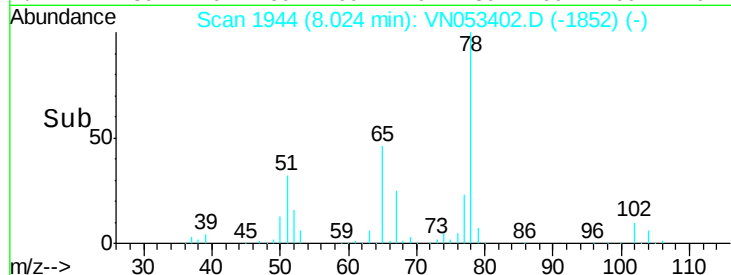
150000

100000

50000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

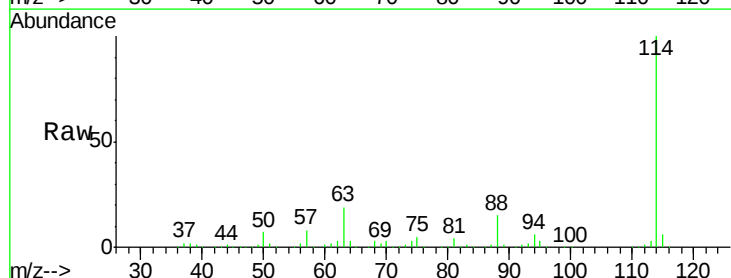
Tgt Ion:114 Resp: 1410090

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.0

88 15.3 0.0 30.8



Abundance Ion 113.90 (113.60 to 114.60): VN053399.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN053399.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN053399.D (-2100) (-)

8.59

800000

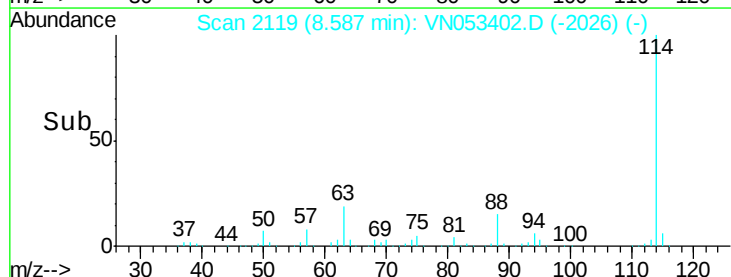
600000

400000

200000

0

Time--> 8.50 8.60 8.70 8.80





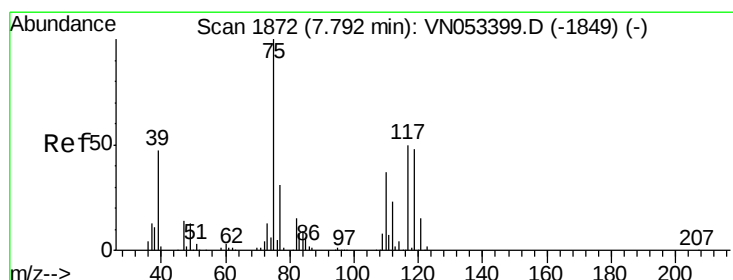
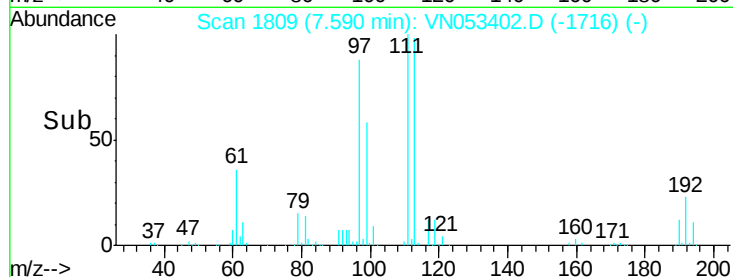
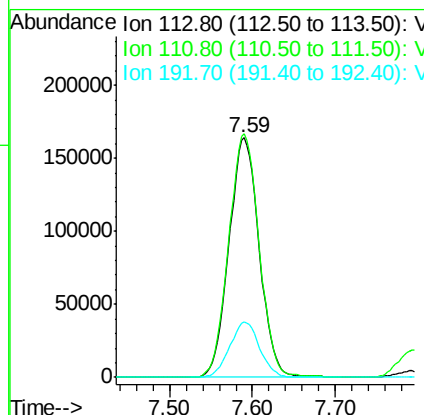
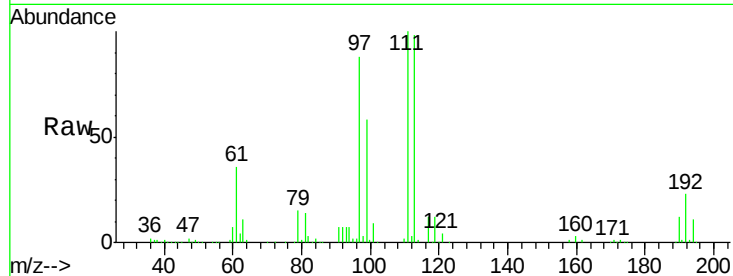
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053402.D
 Acq: 15 Jan 2019 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN011519

Tot Ion	Ratio	Resp	Lower	Upper
113	100	416814		
111	102.3	81.4	122.2	
192	22.8	17.9	26.9	

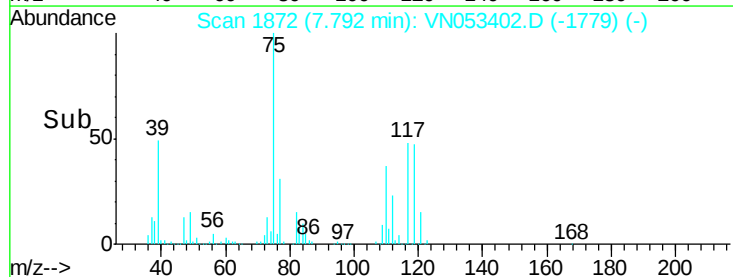
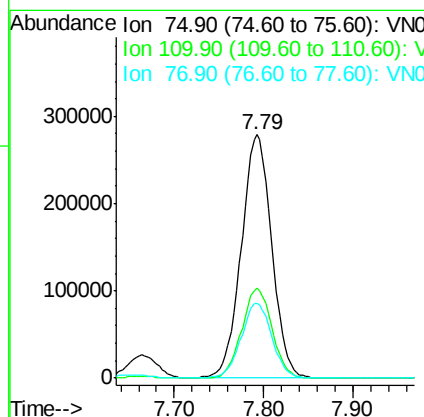
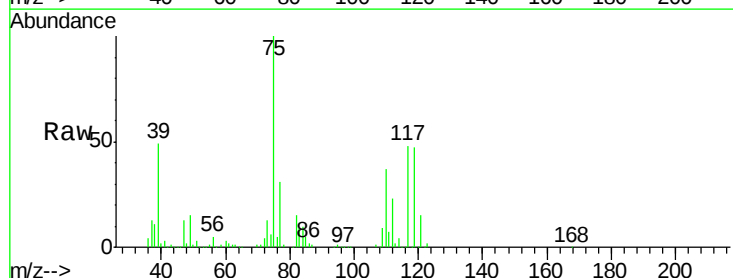
Manual Integrations
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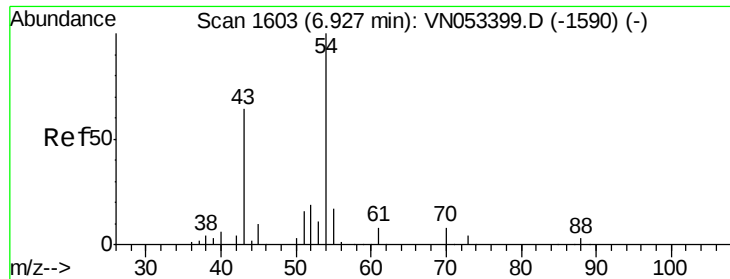
MMDadoda
 1/16/2019 9:51:20 AM



#36
 1,1-Dichloropropene
 Concen: 51.324 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053402.D
 Acq: 15 Jan 2019 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	659100		
110	36.9	18.4	55.0	
77	31.2	25.3	37.9	





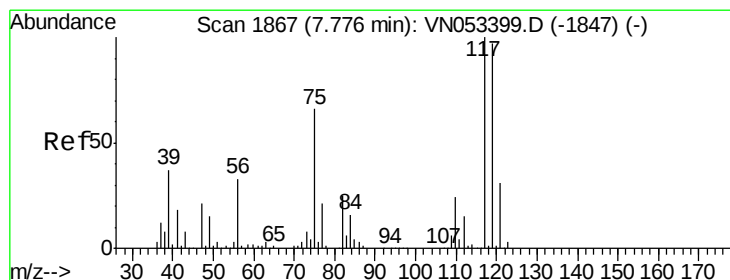
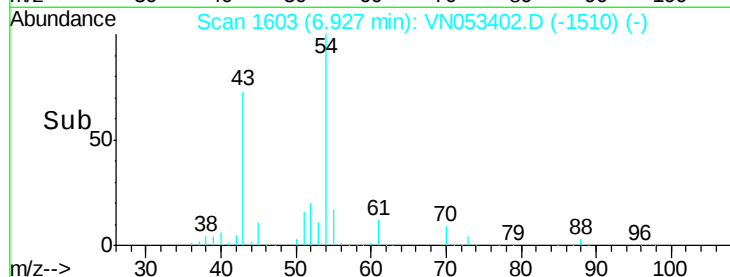
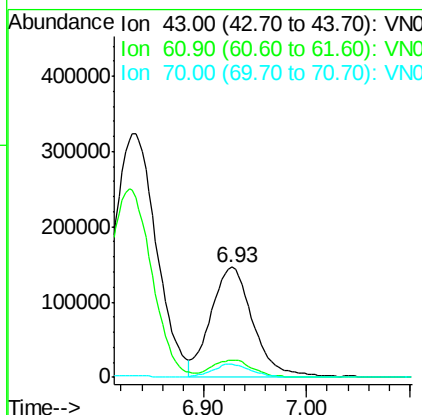
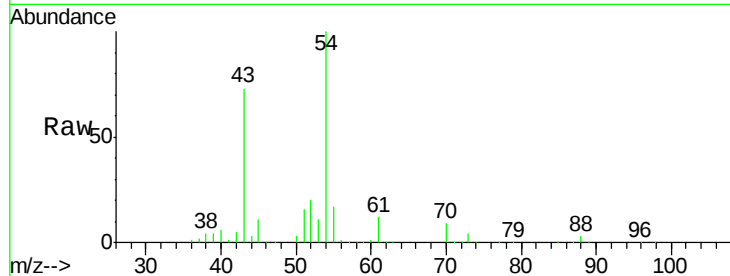
#37
Ethyl Acetate
Concen: 55.212 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Instrument :
MSVOA_N
ClientSampled :
ICVVN011519

Tot Ion	43	61	70
Resp	411307		
Ratio	100	15.5	11.2
Lower		11.9	8.6
Upper		17.9	13.0

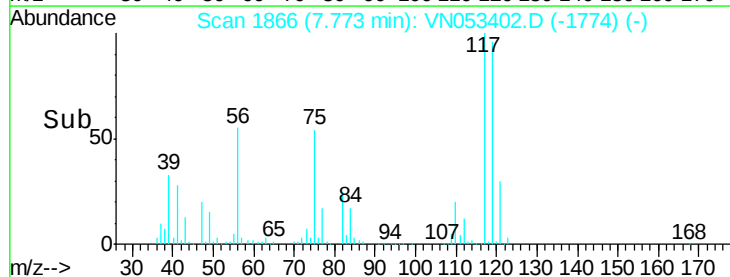
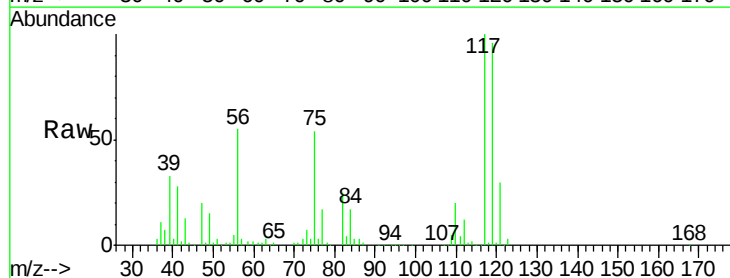
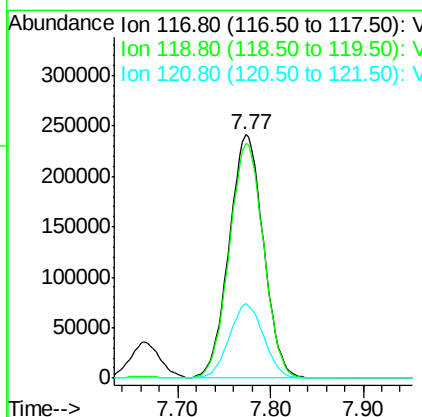
Manual Integrations
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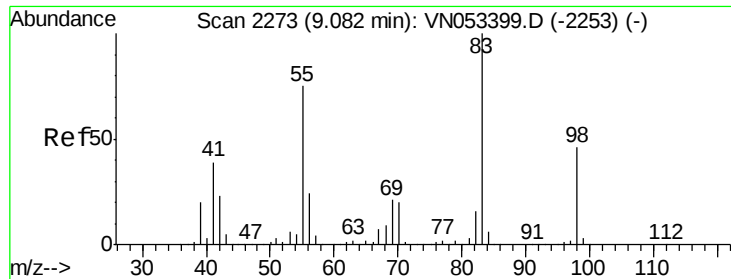
MMDadoda
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#38
Carbon Tetrachloride
Concen: 50.868 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Tgt Ion	117	119	121
Resp	618447		
Ratio	100	96.3	30.5
Lower		76.6	25.0
Upper		115.0	37.4





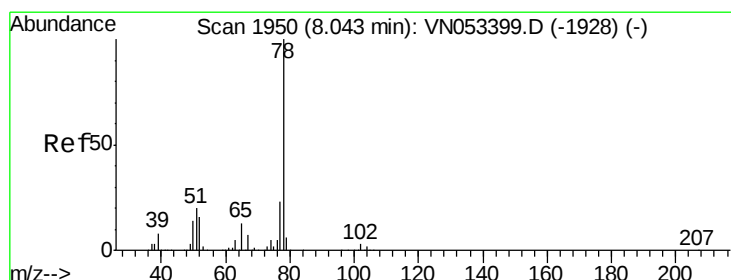
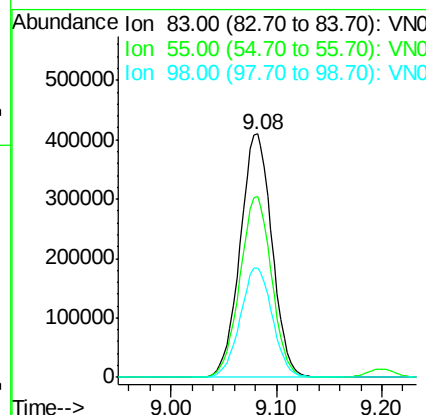
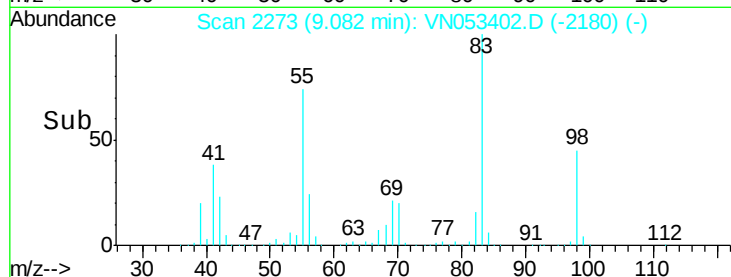
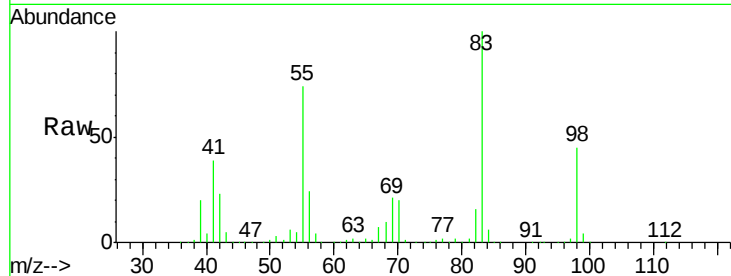
#39
Methvlcvclohexane
Concen: 54.075 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Instrument :
MSVOA_N
ClientSampleId :
ICVFN011519

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.4	60.1	90.1
98	45.0	36.7	55.1

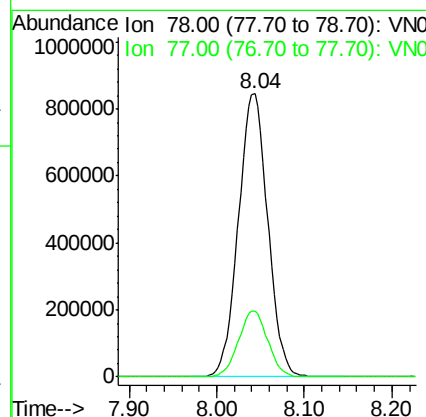
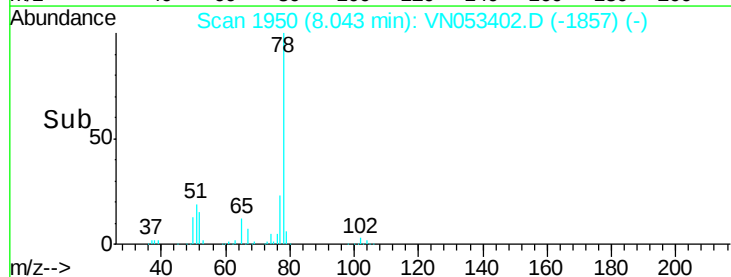
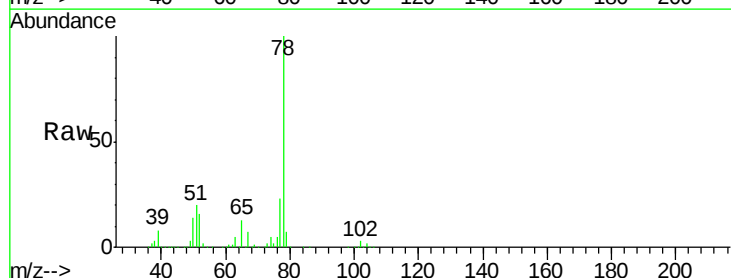
Manual Integrations
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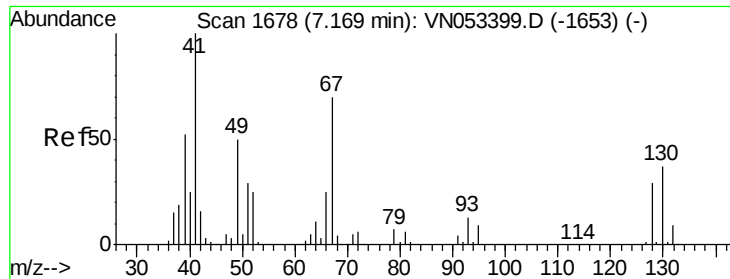
MMDadoda
1/16/2019 9:51:20 AM



#40
Benzene
Concen: 50.510 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.4





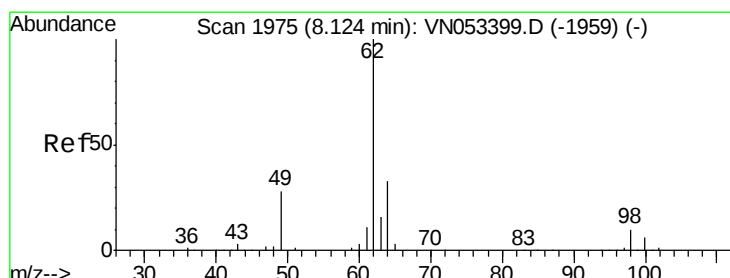
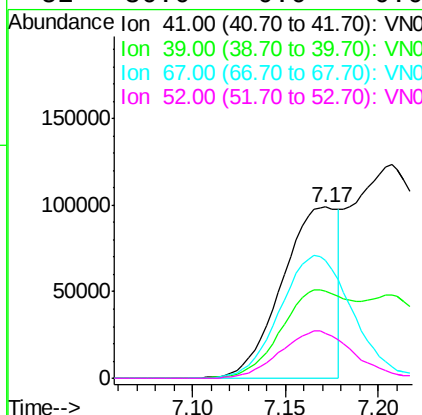
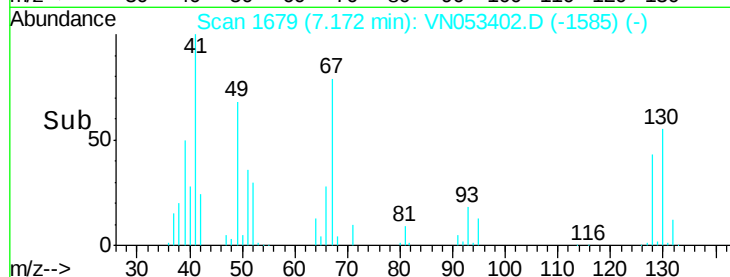
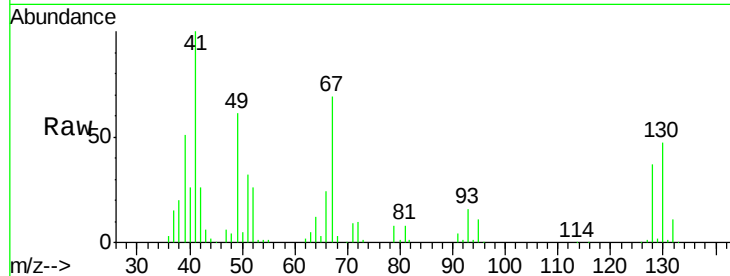
#41
Methacrylonitrile
Concen: 44.799 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011519

Tot Ion	Ratio	Lower	Upper
41	100		
39	68.4	0.0	0.0#
67	94.1	0.0	0.0#
52	36.0	0.0	0.0#

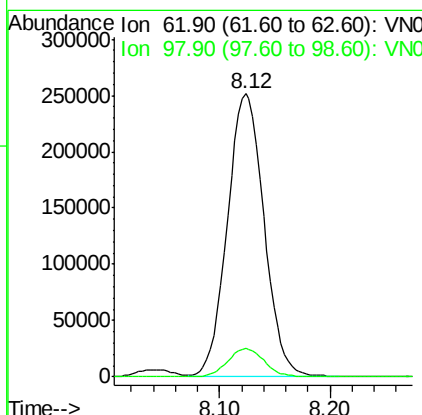
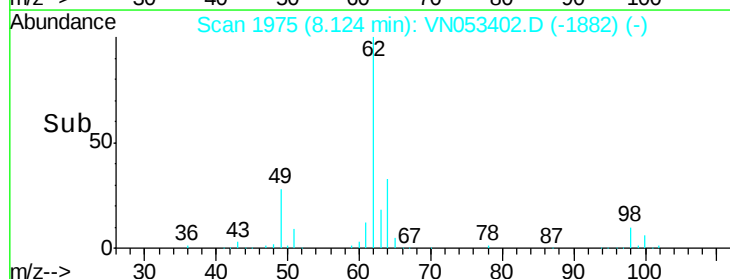
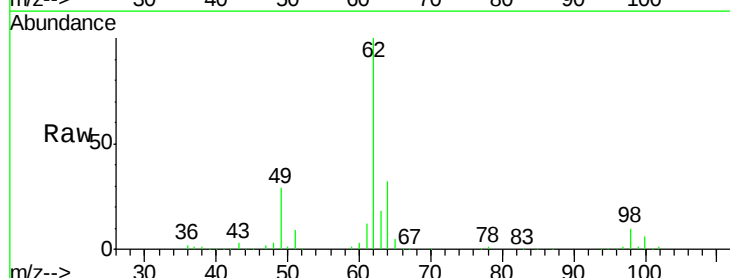
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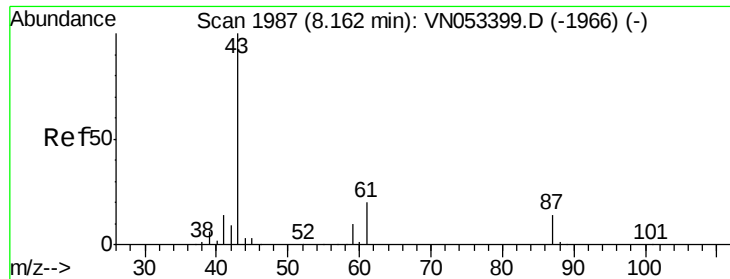
MMDadoda
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#42
1,2-Dichloroethane
Concen: 50.831 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.2





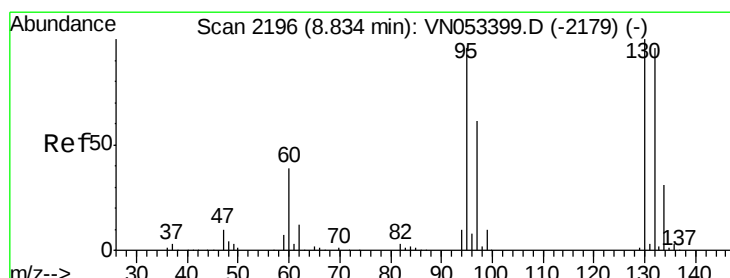
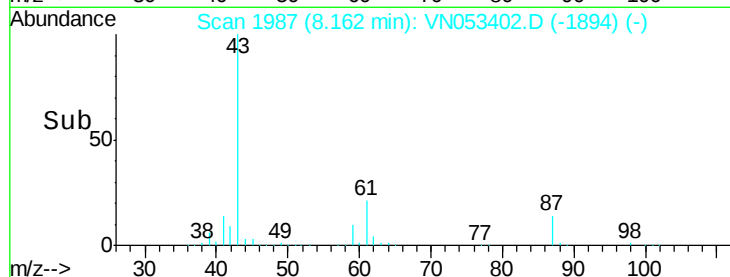
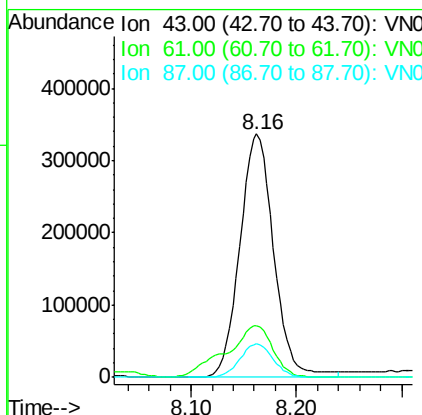
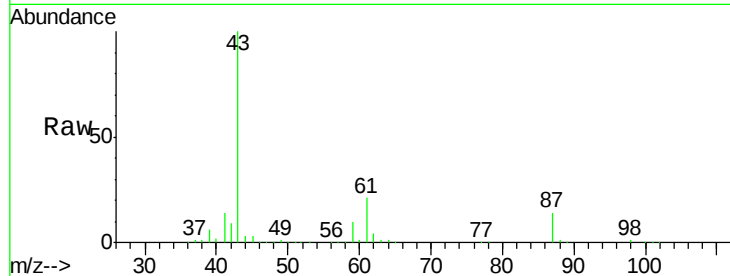
#43
Isopropyl Acetate
Concen: 54.198 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011519

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.2	23.3	34.9
87	13.5	10.8	16.2

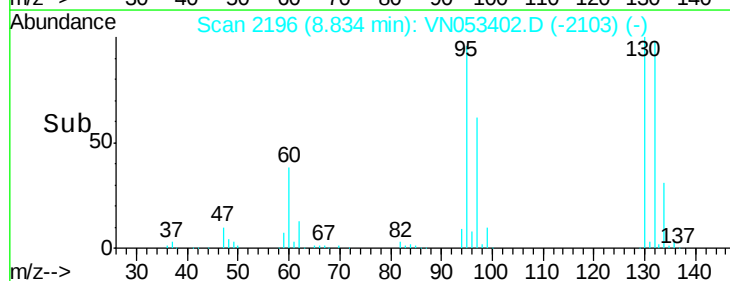
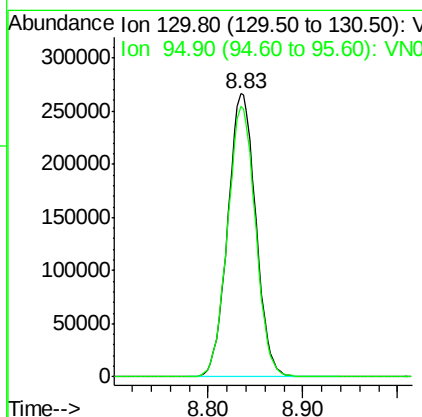
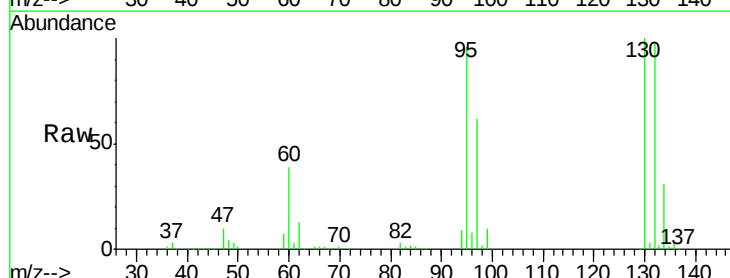
Manual Integrations
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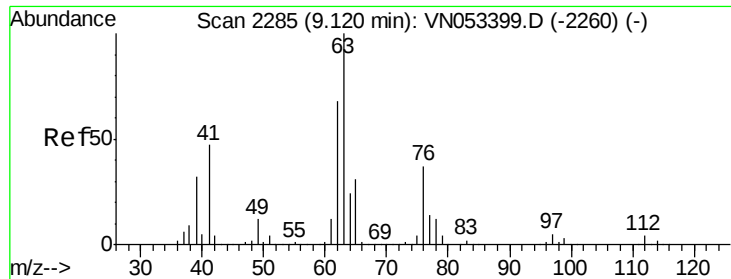
MMDadoda
1/16/2019 9:51:20 AM



#44
Trichloroethene
Concen: 50.627 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	191.8





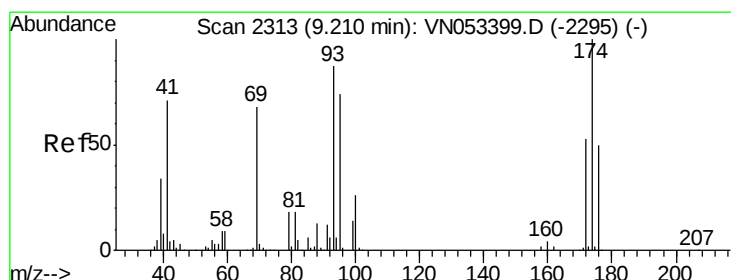
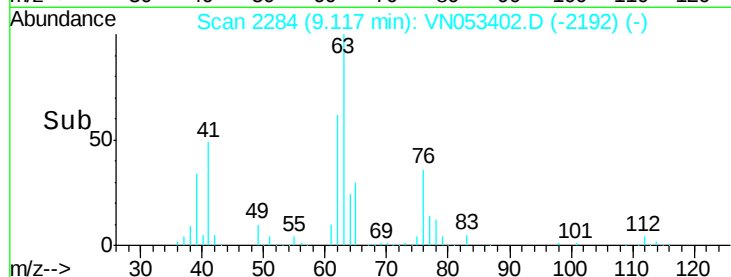
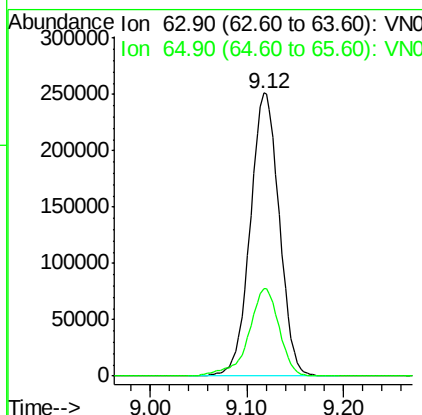
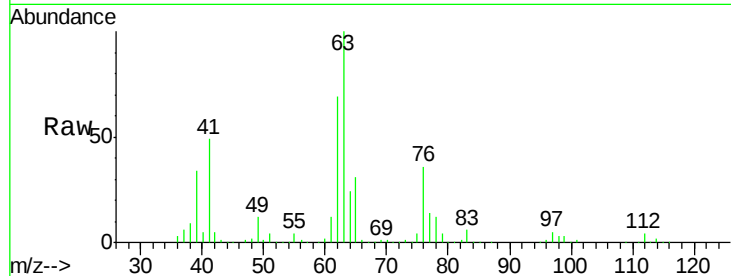
#45
 1,2-Dichloropropane
 Concen: 50.604 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053402.D
 Acq: 15 Jan 2019 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN011519

Tot Ion: 63 Resp: 523054
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.0 37.6

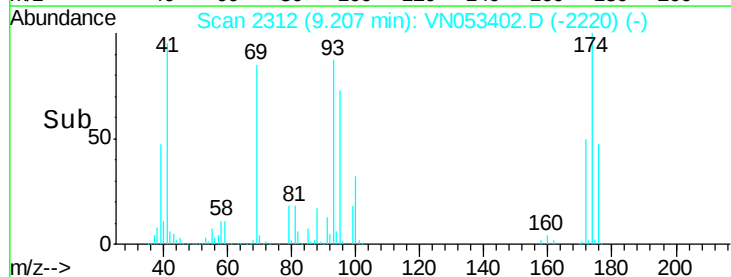
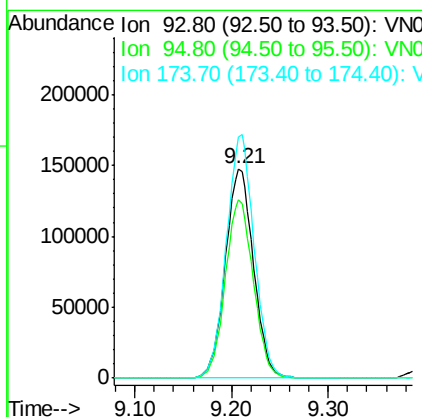
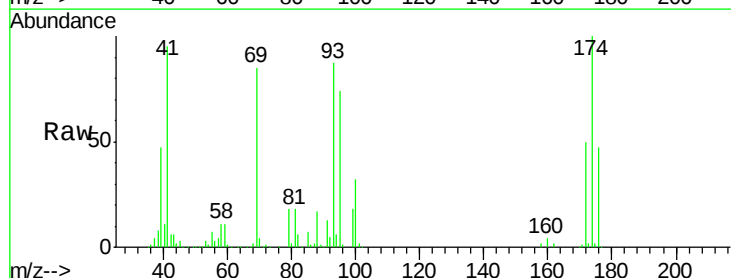
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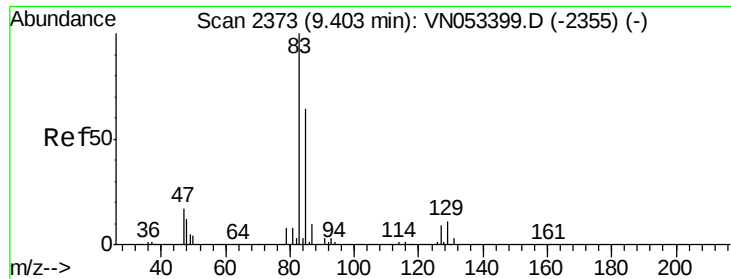
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#46
 Dibromomethane
 Concen: 50.334 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053402.D
 Acq: 15 Jan 2019 12:01

Tgt Ion: 93 Resp: 298910
 Ion Ratio Lower Upper
 93 100
 95 84.6 66.6 100.0
 174 114.8 91.4 137.0





#47

Bromodichloromethane

Concen: 50.328 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

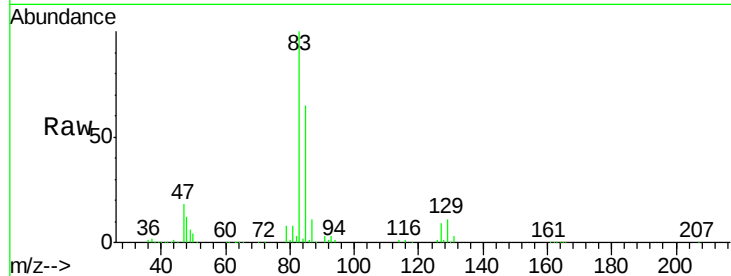
ClientSampleId :

ICVVN011519

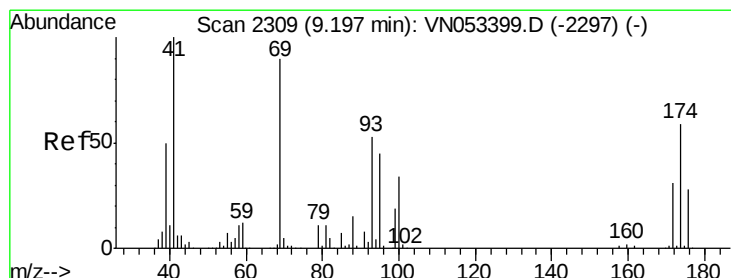
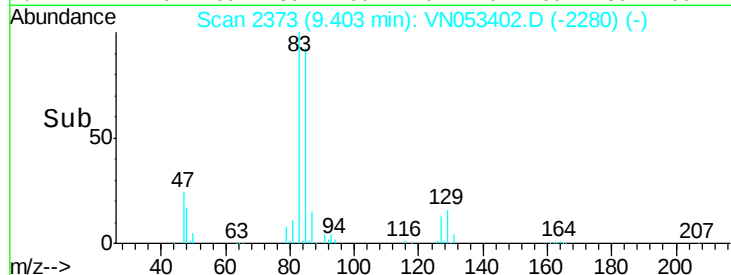
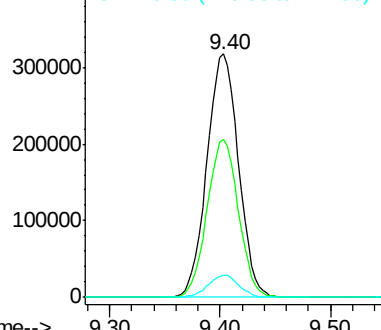
Tot Ion:	83	Resp:	628537
Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.7	77.5
127	9.1	7.0	10.6

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN053399.D (-2355) (-)



#48

Methyl methacrylate

Concen: 55.254 ug/l

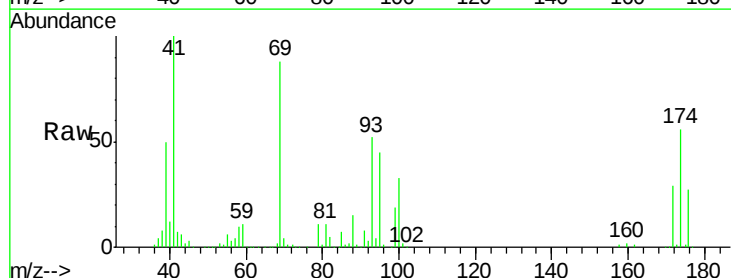
RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

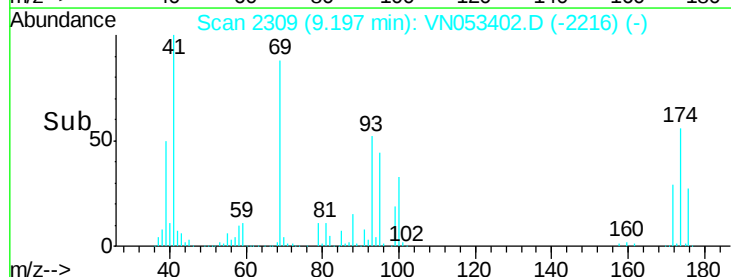
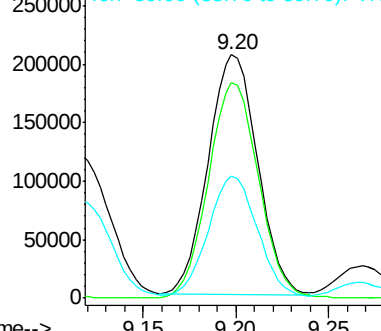
Lab File: VN053402.D

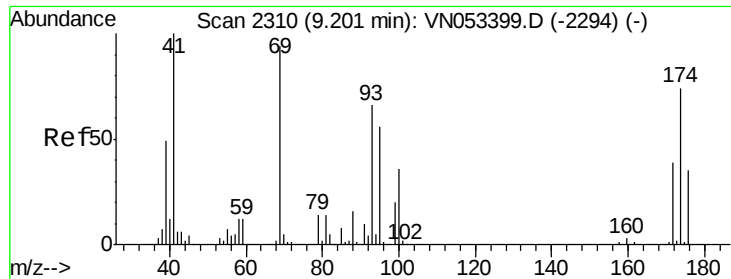
Acq: 15 Jan 2019 12:01

Tgt Ion:	41	Resp:	379007
Ion	Ratio	Lower	Upper
41	100		
69	91.8	73.5	110.3
39	51.5	41.6	62.4



Abundance Ion 41.00 (40.70 to 41.70): VN053399.D (-2297) (-)





#49

1,4-Dioxane

Concen: 996.636 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011519

Tot Ion: 88 Resp: 66765

Ion Ratio Lower Upper

88 100

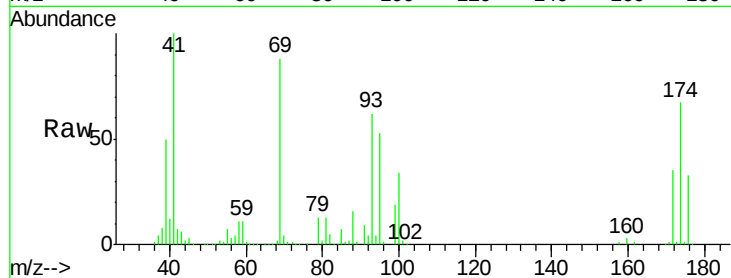
43 33.7 26.2 39.4

58 68.6 55.5 83.3

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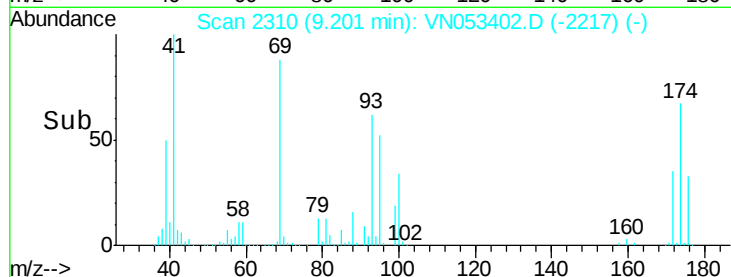


Abundance Ion 88.00 (87.70 to 88.70): VN053399.D (-2294) (-)

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

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

Time-->

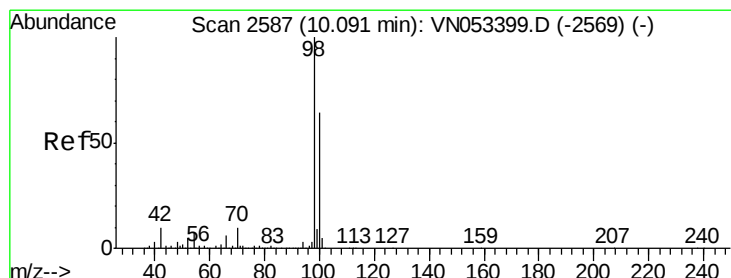


Abundance Ion 88.00 (87.70 to 88.70): VN053402.D (-2217) (-)

Ion 43.00 (42.70 to 43.70): VN053402.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN053402.D (-2217) (-)

Time-->



#50

Toluene-d8

Concen: 996.636 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053402.D

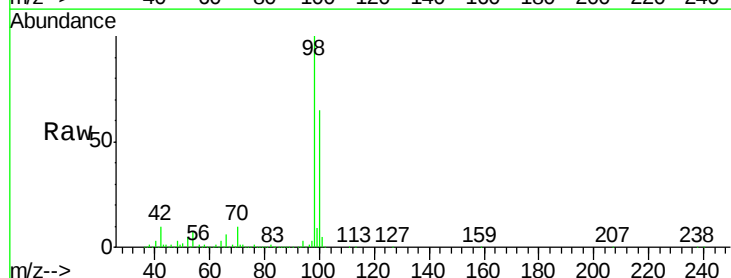
Acq: 15 Jan 2019 12:01

Tgt Ion: 98 Resp: 1724121

Ion Ratio Lower Upper

98 100

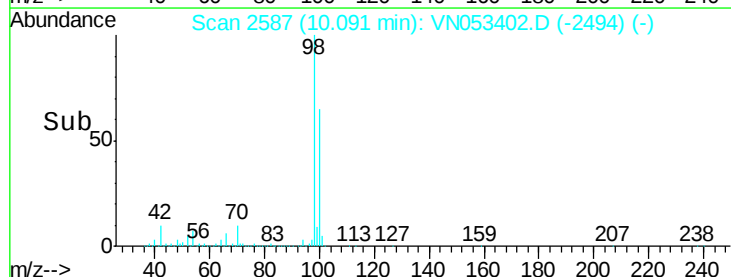
100 64.3 51.5 77.3



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

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

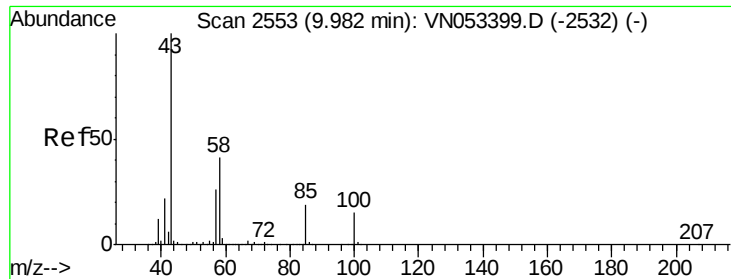
Time-->



Abundance Ion 98.00 (97.70 to 98.70): VN053402.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN053402.D (-2494) (-)

Time-->



#51

4-Methyl-2-Pentanone

Concen: 282.967 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011519

Tot Ion: 43 Resp: 2052140

Ion Ratio Lower Upper

43 100

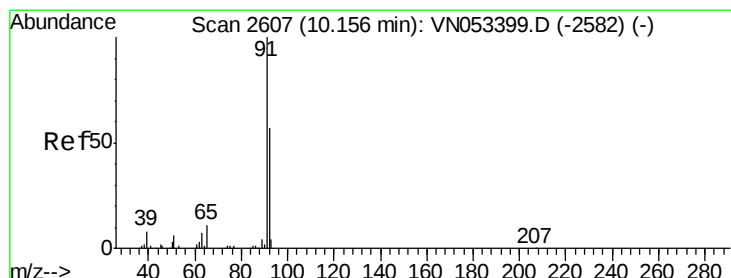
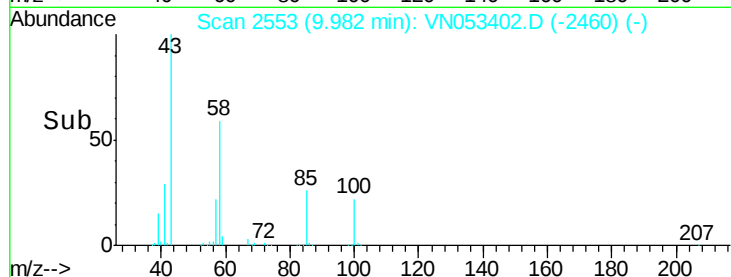
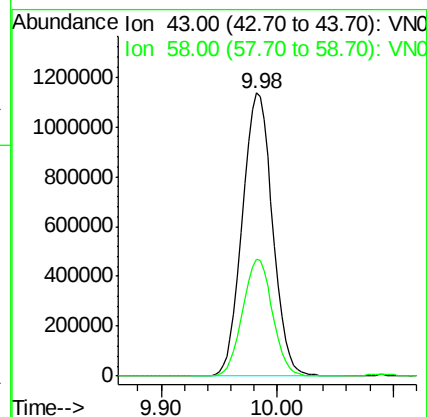
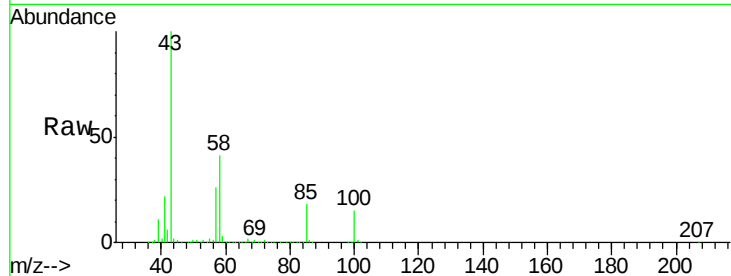
58 41.0 32.7 49.1

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#52

Toluene

Concen: 50.664 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053402.D

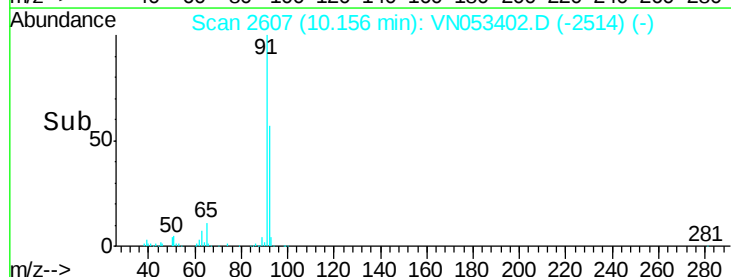
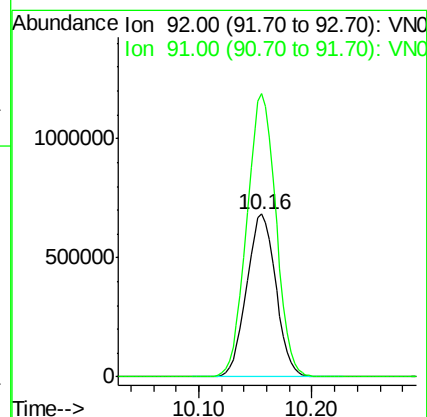
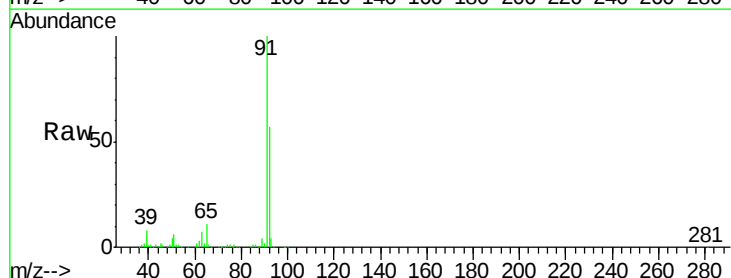
Acq: 15 Jan 2019 12:01

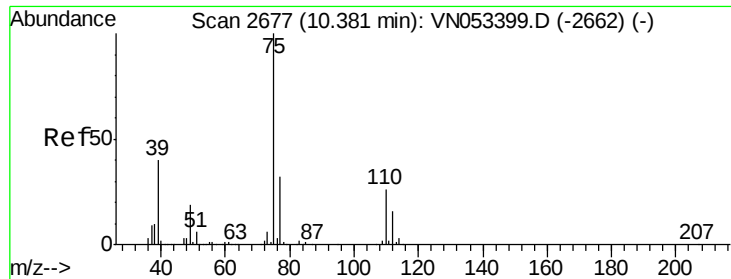
Tgt Ion: 92 Resp: 1227429

Ion Ratio Lower Upper

92 100

91 174.1 138.6 208.0





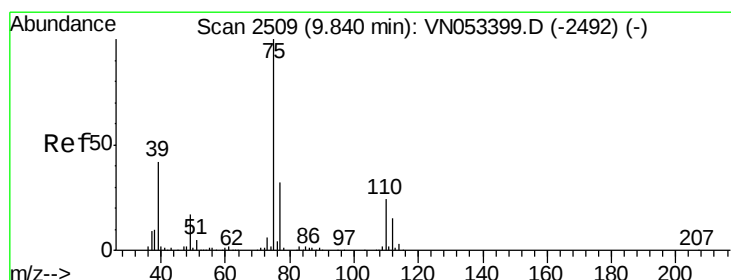
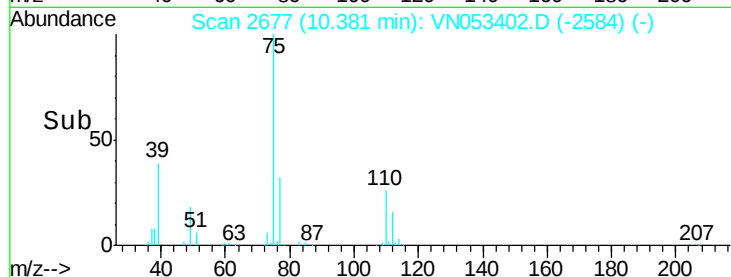
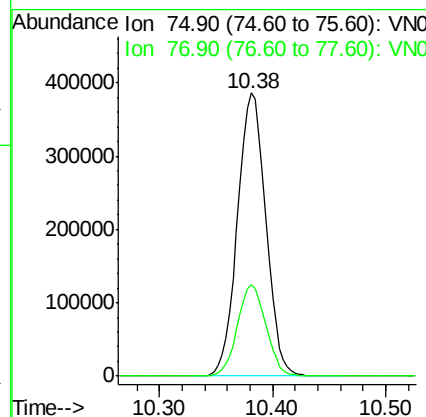
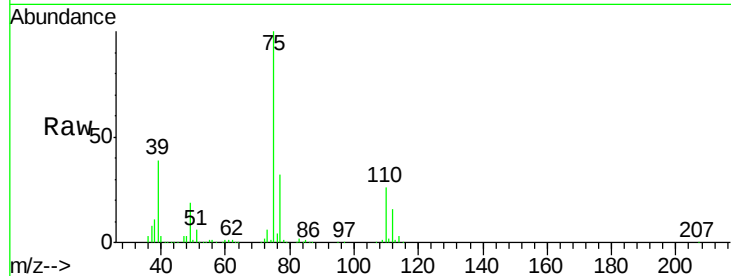
#53
t-1,3-Dichloropropene
Concen: 53.467 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011519

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.0	37.4

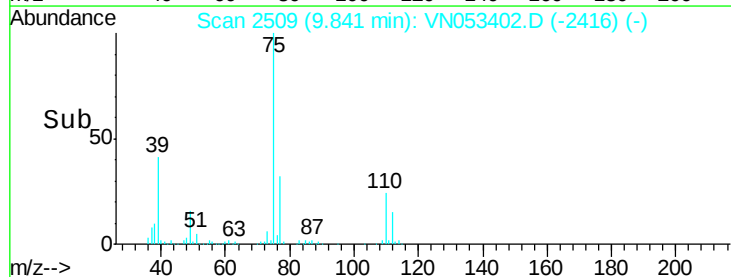
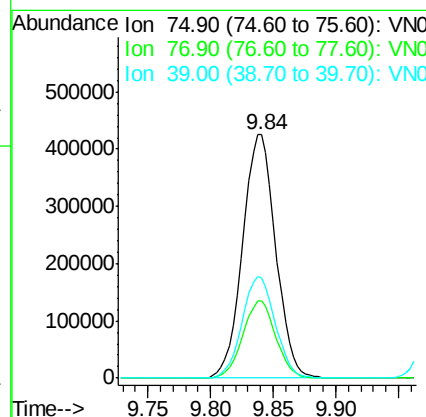
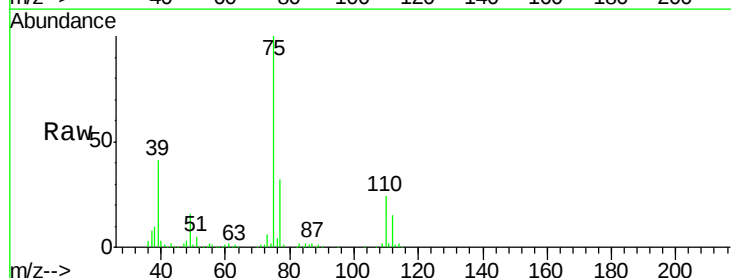
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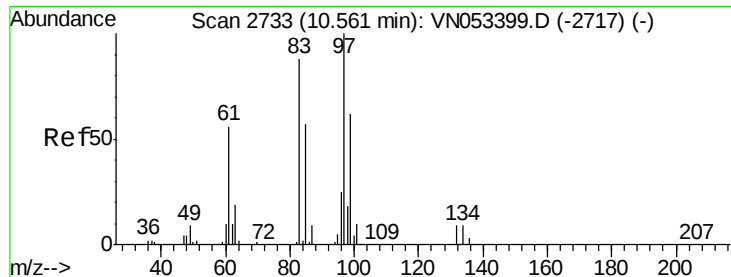
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 52.477 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.1	37.7
39	41.1	33.1	49.7





#55

1,1,2-Trichloroethane

Concen: 51.864 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

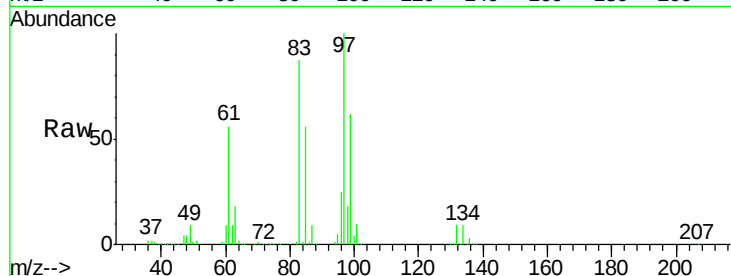
ClientSampleId :

ICVVN011519

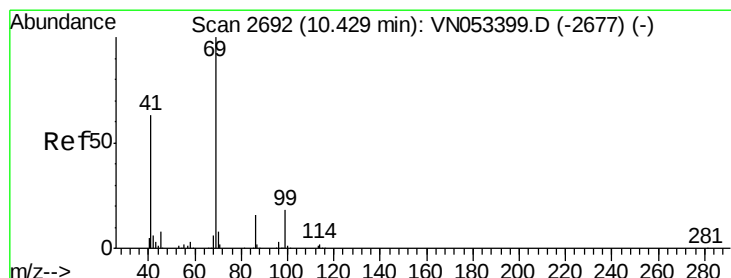
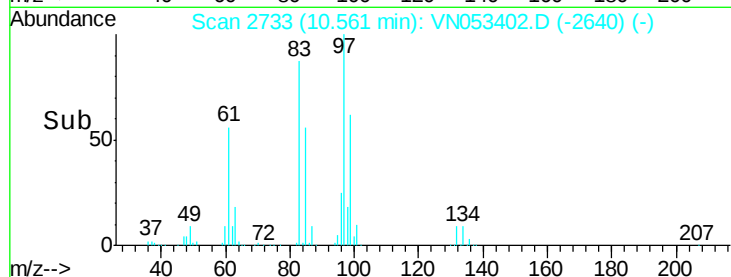
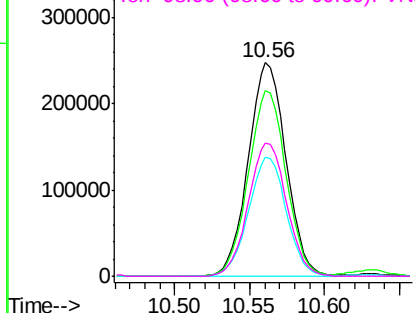
Tot Ion:	97	Resp:	433199
Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.1	103.7
85	55.8	44.2	66.4
99	62.5	50.3	75.5

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Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 50.390 ug/l

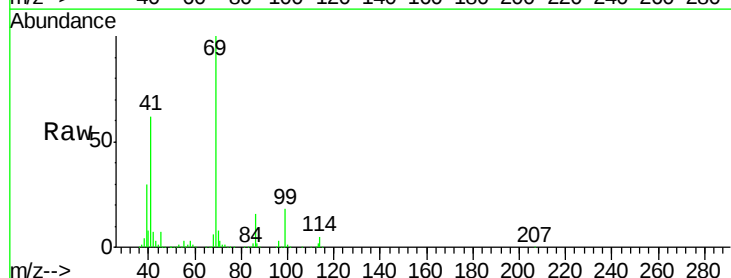
RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

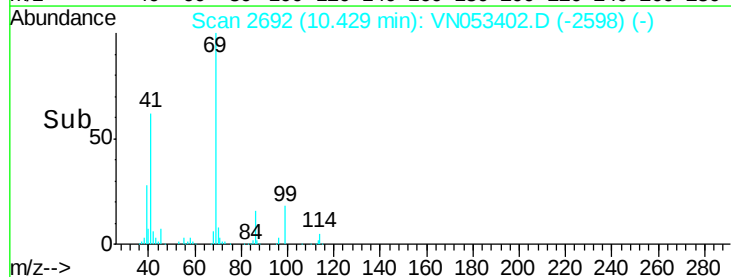
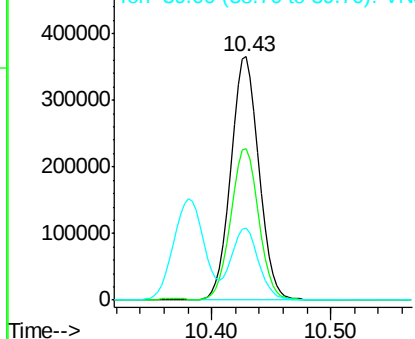
Lab File: VN053402.D

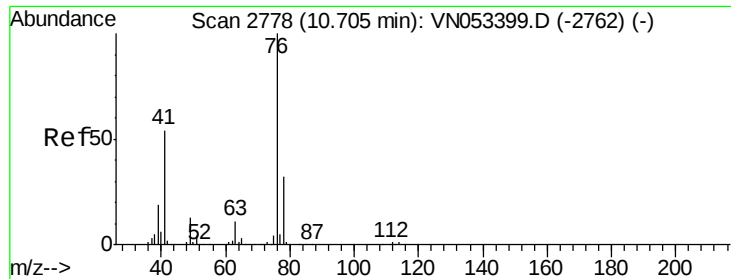
Acq: 15 Jan 2019 12:01

Tgt Ion:	69	Resp:	597506
Ion	Ratio	Lower	Upper
69	100		
41	61.9	49.2	73.8
39	29.1	23.4	35.0



Abundance Ion 69.00 (68.70 to 69.70): VNO
Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





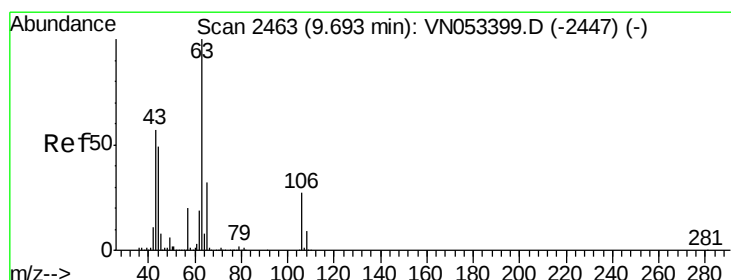
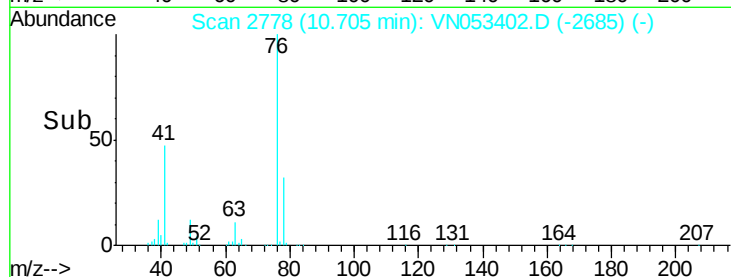
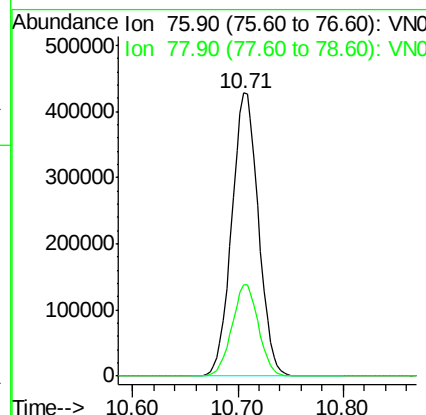
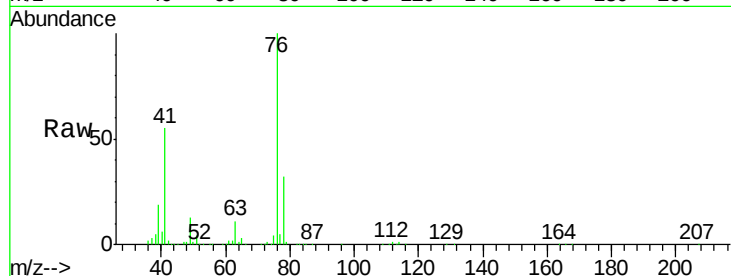
#57
 1,3-Dichloropropane
 Concen: 51.754 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN053402.D
 Acq: 15 Jan 2019 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN011519

Tot Ion: 76 Resp: 747803
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.8

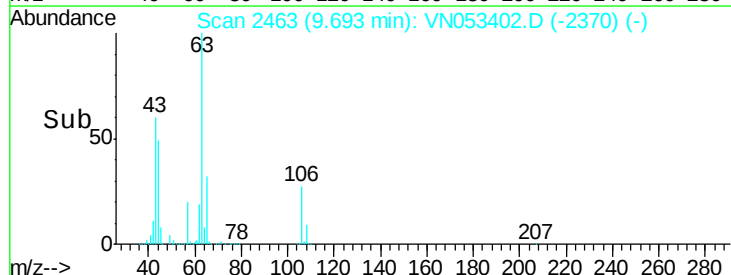
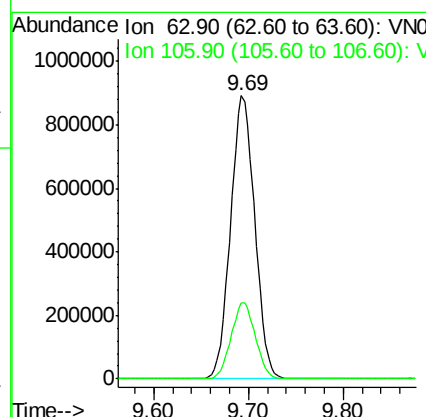
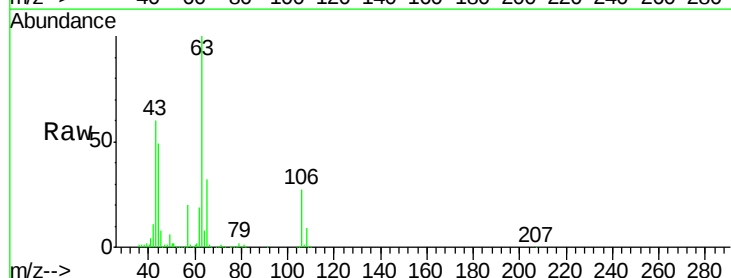
Manual Integrations
 APPROVED

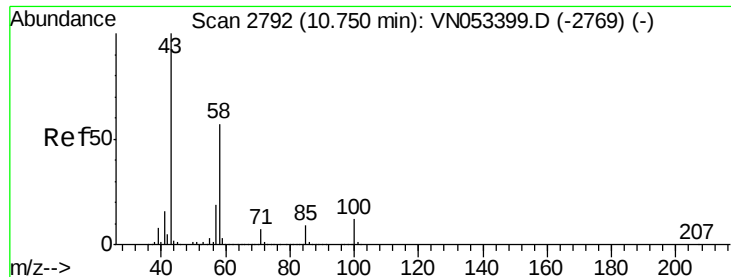
MMDadoda
 1/16/2019 9:51:20 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 271.548 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN053402.D
 Acq: 15 Jan 2019 12:01

Tgt Ion: 63 Resp: 1586753
 Ion Ratio Lower Upper
 63 100
 106 26.8 21.7 32.5





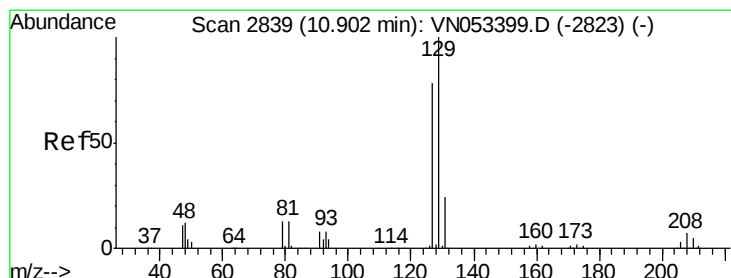
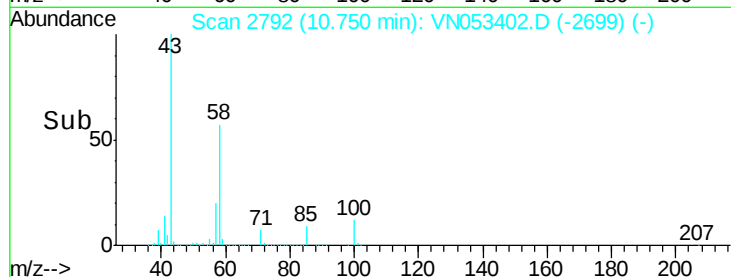
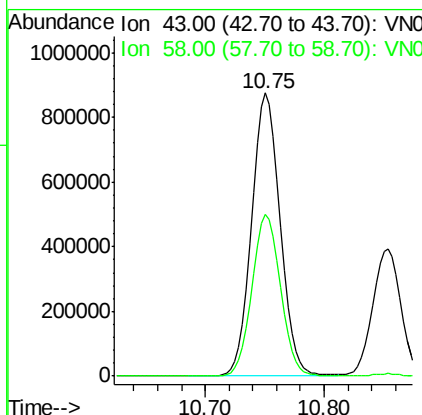
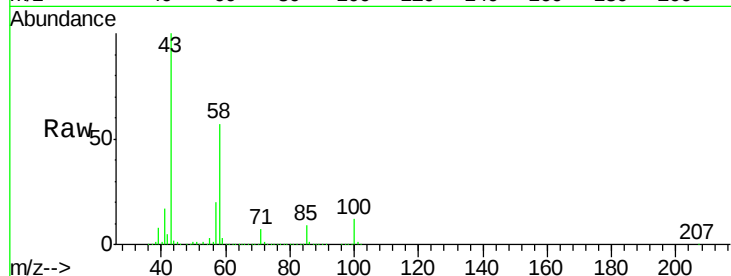
#59
2-Hexanone
Concen: 285.136 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011519

Tot Ion: 43 Resp: 1451620
Ion Ratio Lower Upper
43 100
58 57.5 28.3 85.0

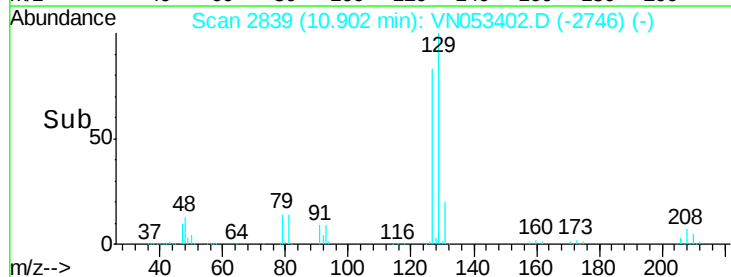
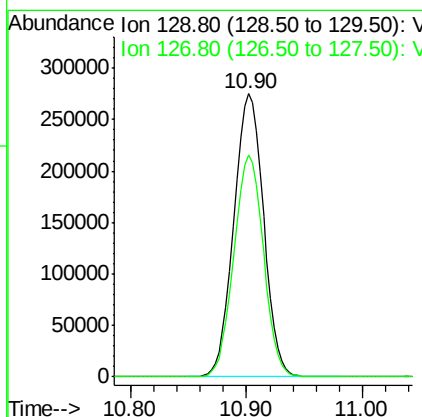
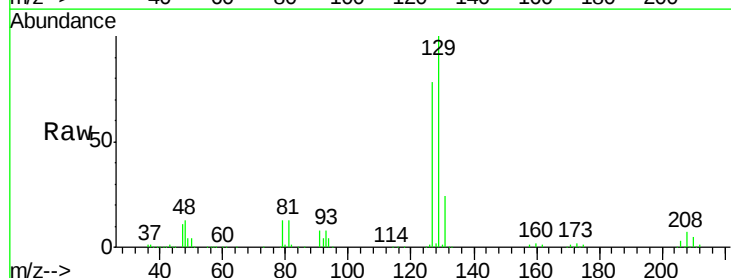
Manual Integrations
APPROVED

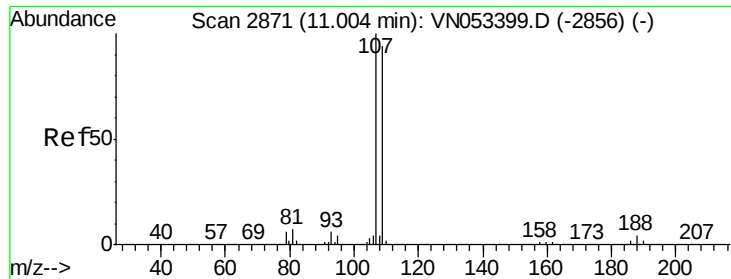
MMDadoda
1/16/2019 9:51:20 AM



#60
Dibromochloromethane
Concen: 51.582 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Tgt Ion: 129 Resp: 488670
Ion Ratio Lower Upper
129 100
127 77.7 38.4 115.2





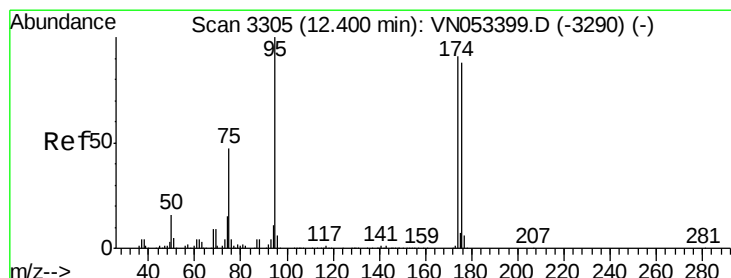
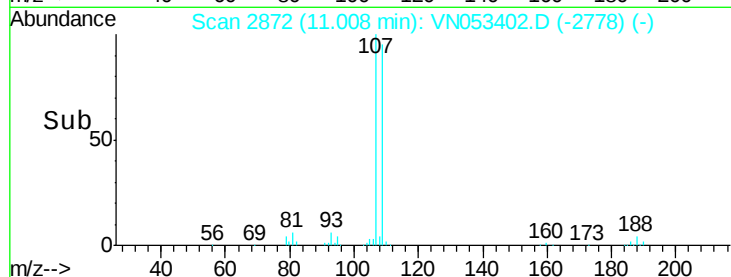
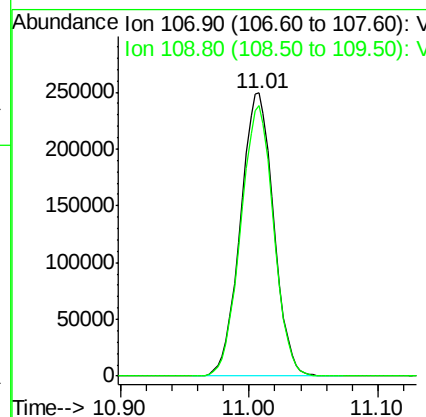
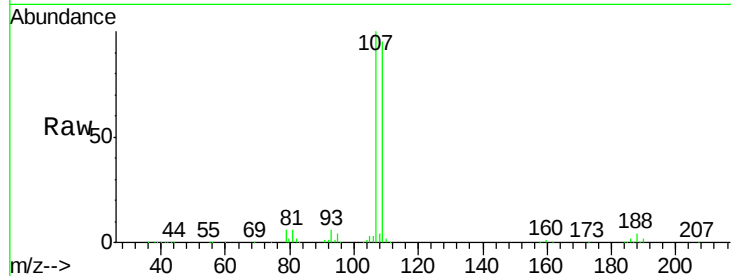
#61
1,2-Dibromoethane
Concen: 52.588 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011519

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	75.0	112.6

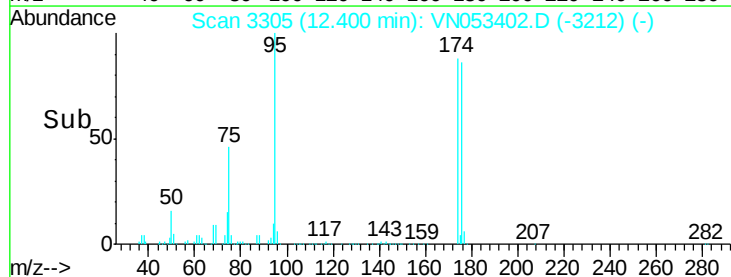
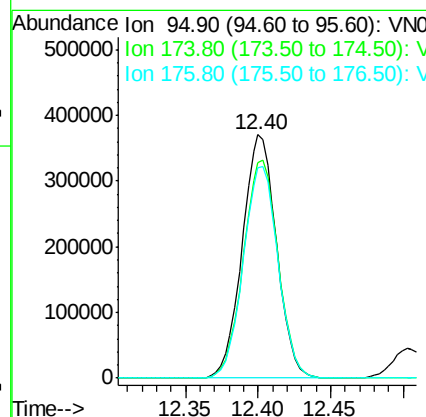
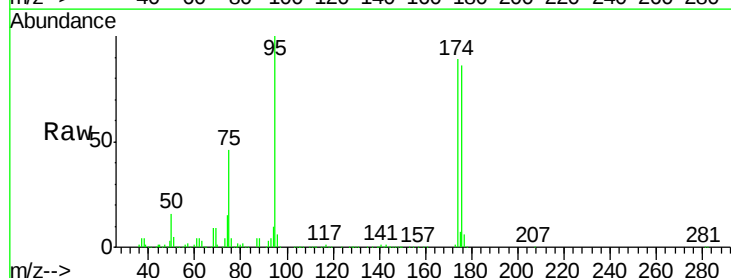
Manual Integrations
APPROVED

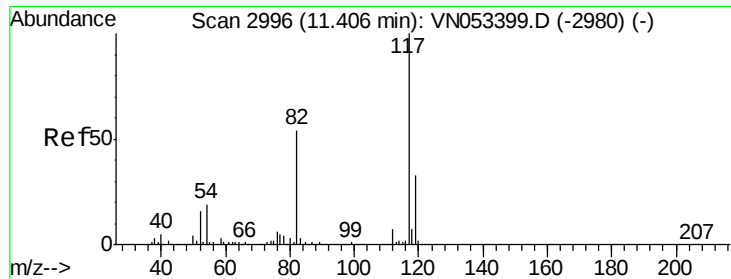
MMDadoda
1/16/2019 9:51:20 AM



#62
4-Bromofluorobenzene
Concen: 52.588 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.7	0.0	180.4
176	88.4	0.0	175.6





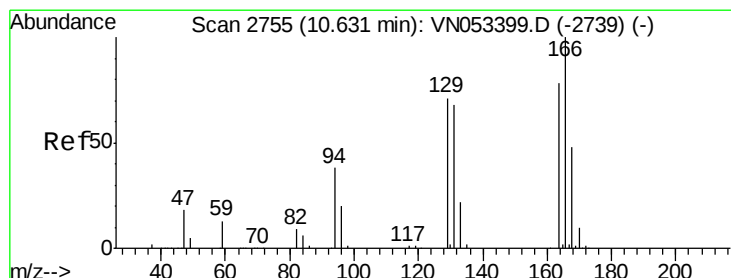
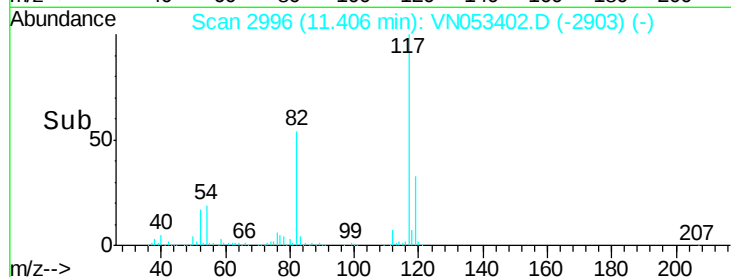
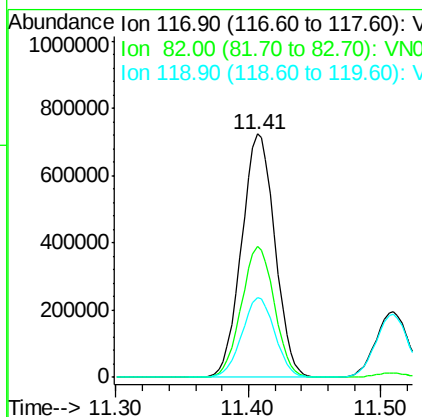
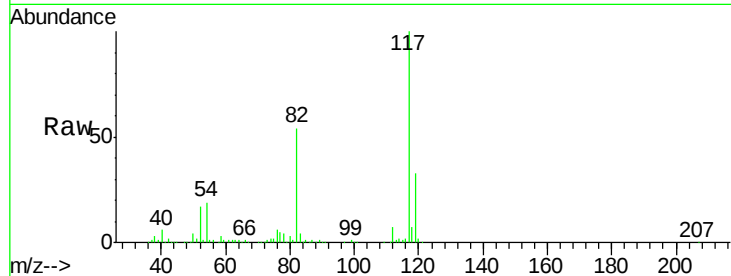
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011519

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.9	64.3
119	32.6	25.6	38.4

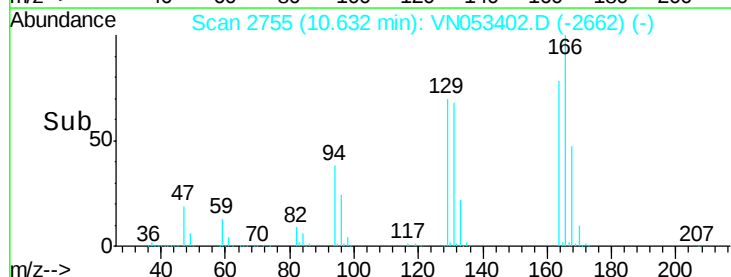
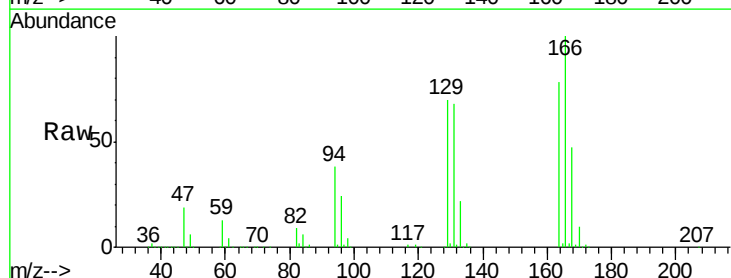
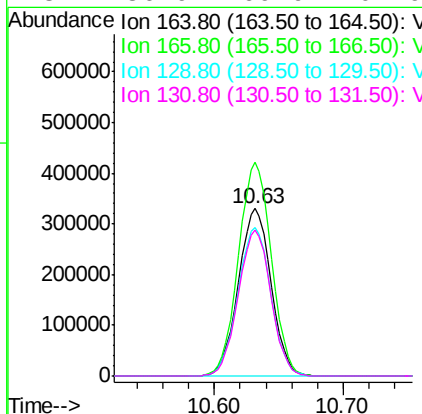
Manual Integrations
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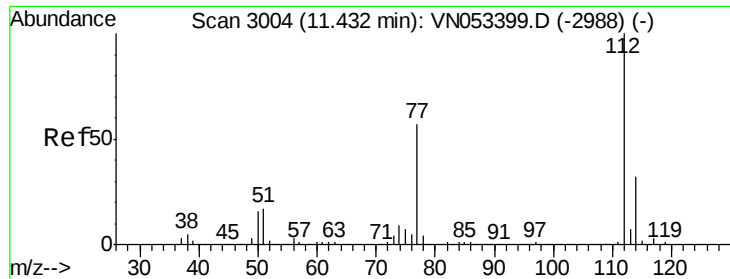
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#64
Tetrachloroethene
Concen: 48.854 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	101.7	152.5
129	89.0	72.1	108.1
131	86.9	69.9	104.9





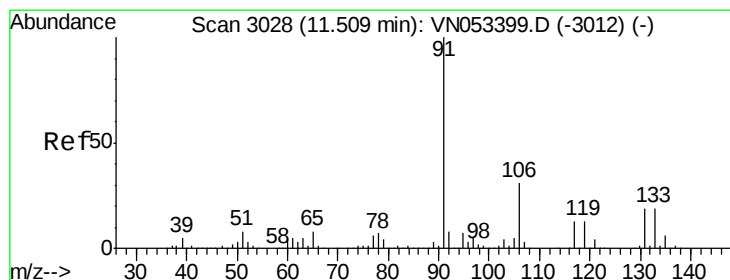
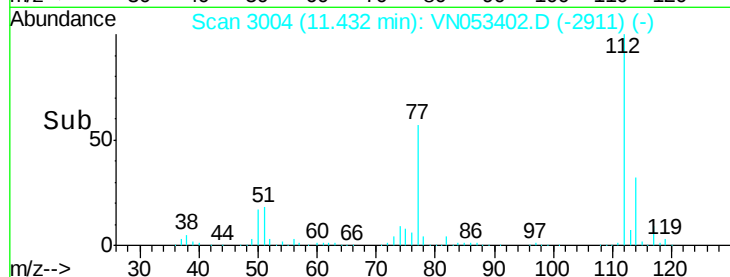
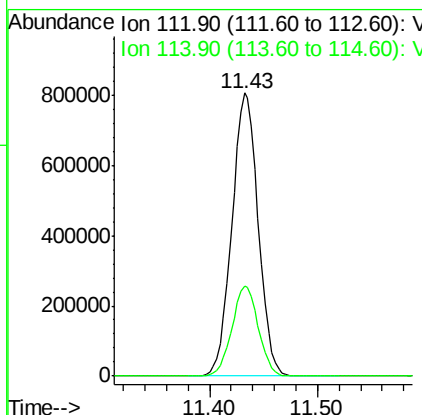
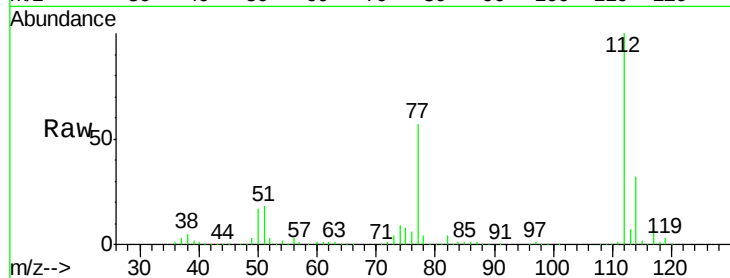
#65
Chlorobenzene
Concen: 51.035 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011519

Tot Ion:112 Resp: 1365500
Ion Ratio Lower Upper
112 100
114 31.9 25.6 38.4

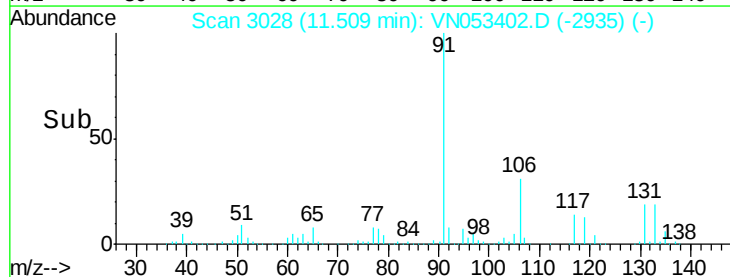
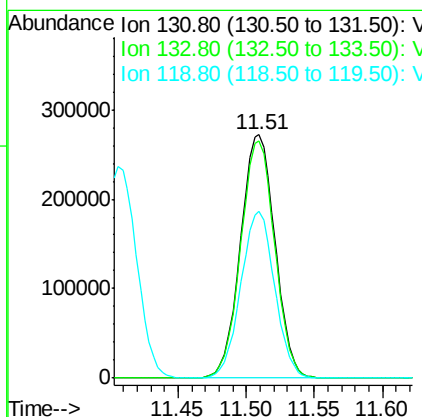
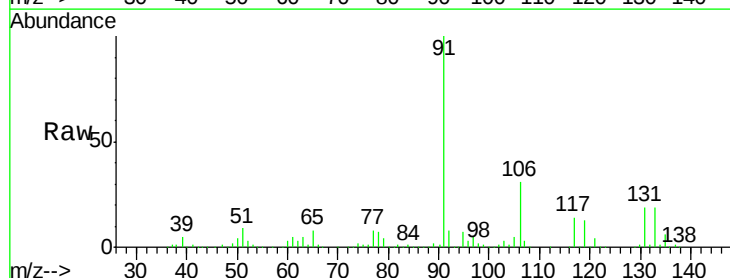
Manual Integrations
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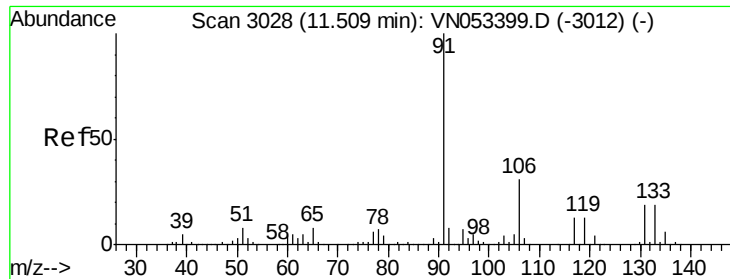
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1/16/2019 9:51:20 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.221 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Tgt Ion:131 Resp: 476767
Ion Ratio Lower Upper
131 100
133 96.5 48.0 144.0
119 67.3 33.3 99.9





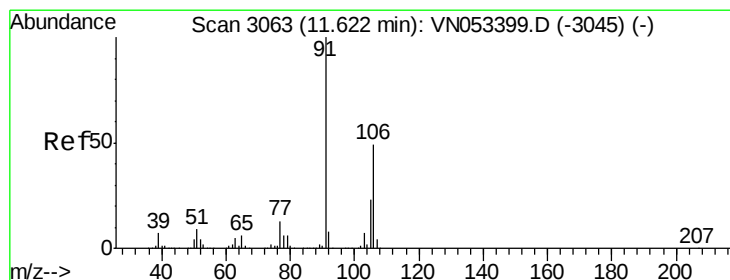
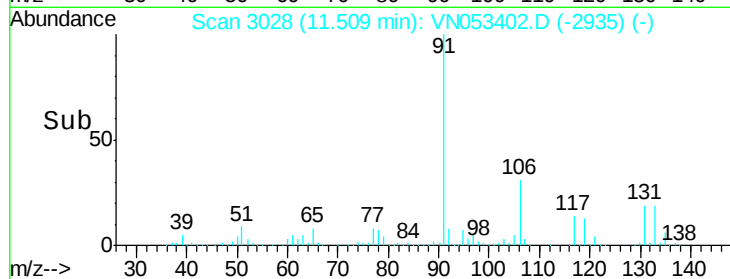
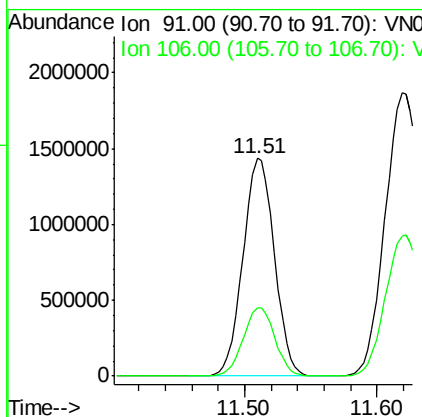
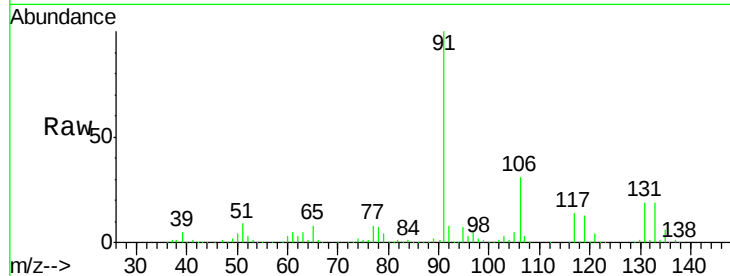
#67
Ethyl Benzene
Concen: 51.886 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011519

Tot Ion: 91 Resp: 2365957
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.4

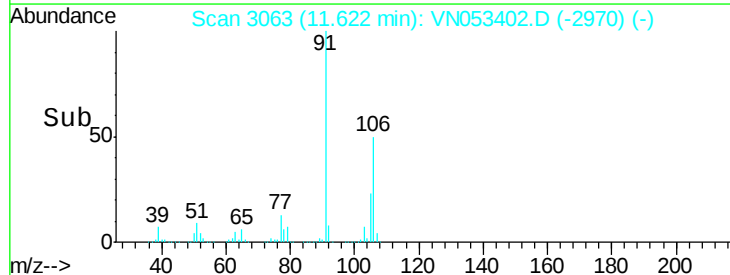
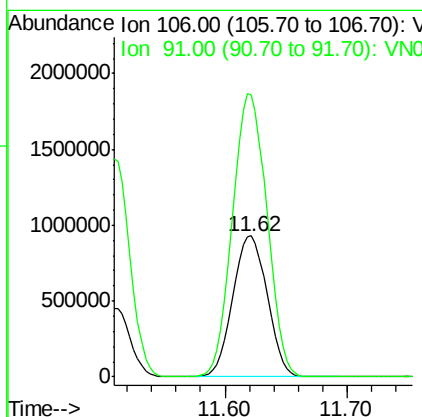
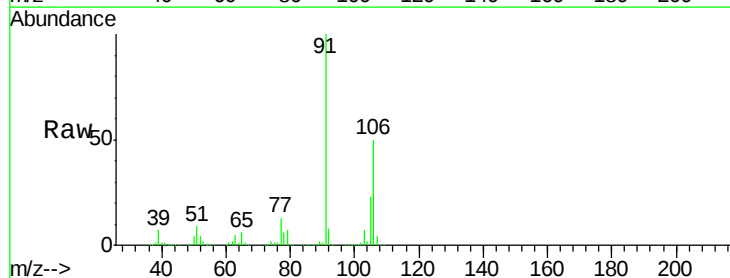
Manual Integrations
APPROVED

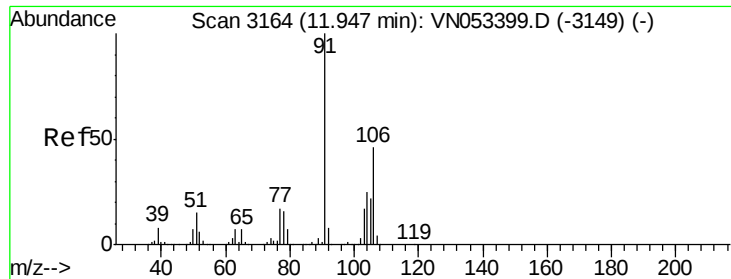
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1/16/2019 9:51:20 AM



#68
m/p-Xylenes
Concen: 105.918 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Tgt Ion: 106 Resp: 1823500
Ion Ratio Lower Upper
106 100
91 200.5 161.4 242.2





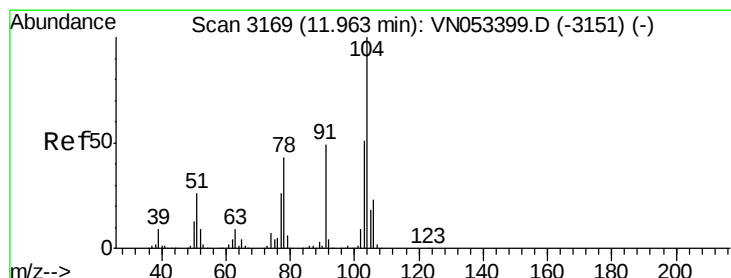
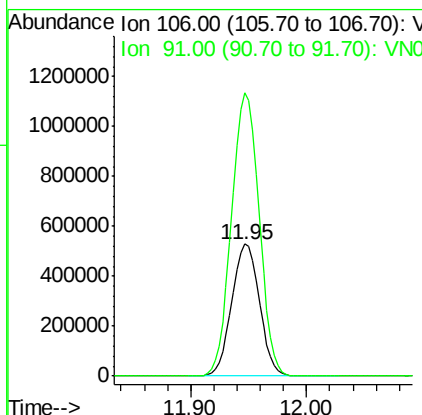
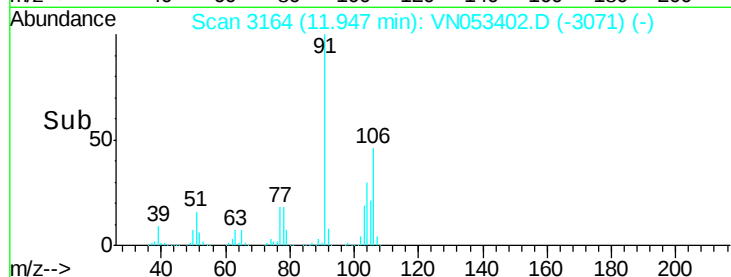
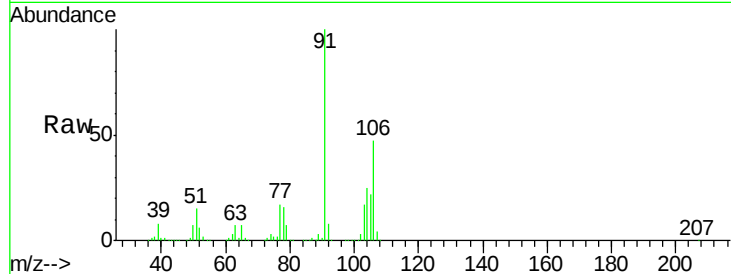
#69
o-Xylene
Concen: 52.313 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011519

Tot Ion:106 Resp: 875136
Ion Ratio Lower Upper
106 100
91 213.7 106.8 320.4

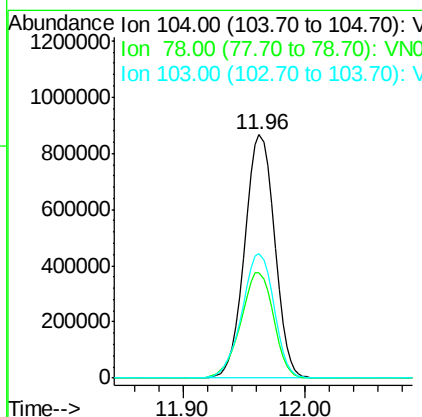
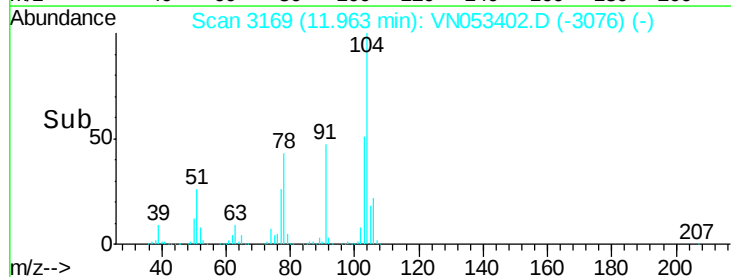
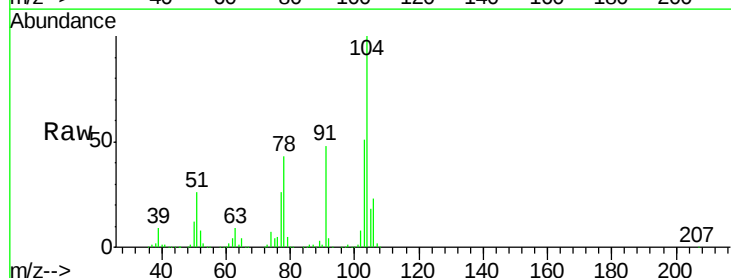
Manual Integrations
APPROVED

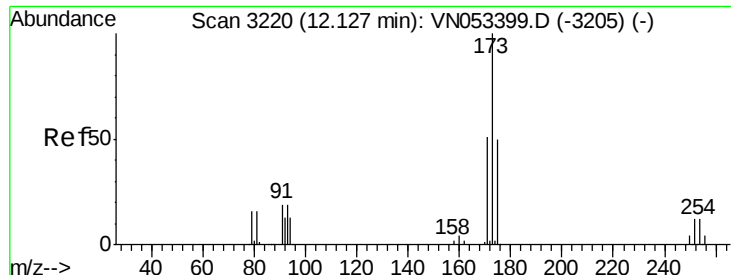
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#70
Styrene
Concen: 53.790 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Tgt Ion:104 Resp: 1460414
Ion Ratio Lower Upper
104 100
78 47.6 38.5 57.7
103 55.0 44.5 66.7





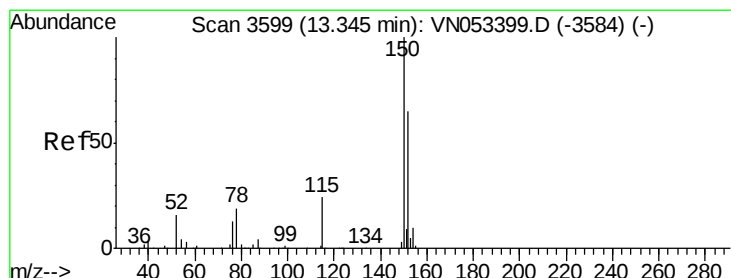
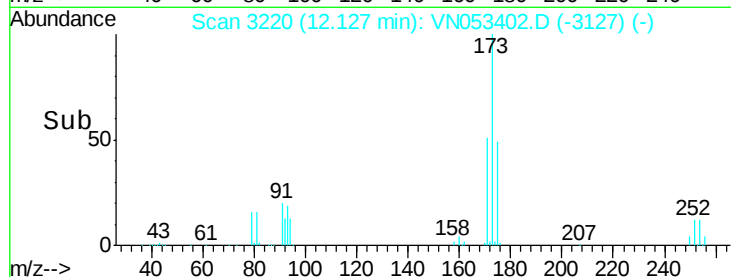
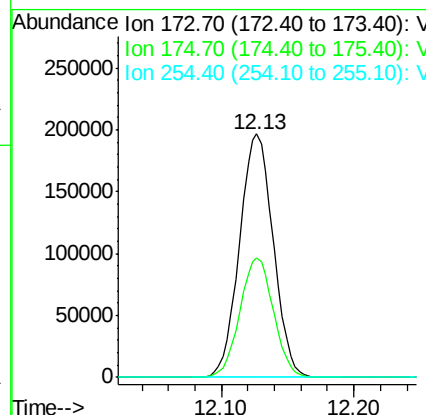
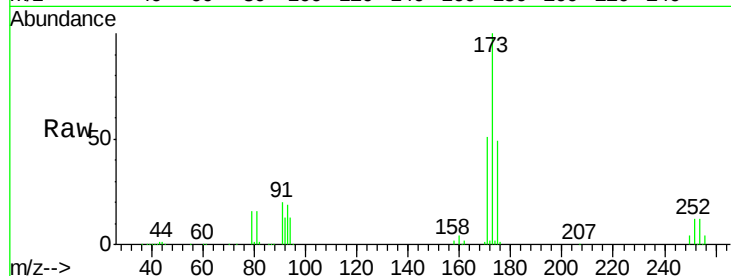
#71
Bromoform
Concen: 54.028 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011519

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.3	72.8
254	0.1	0.2	0.2#

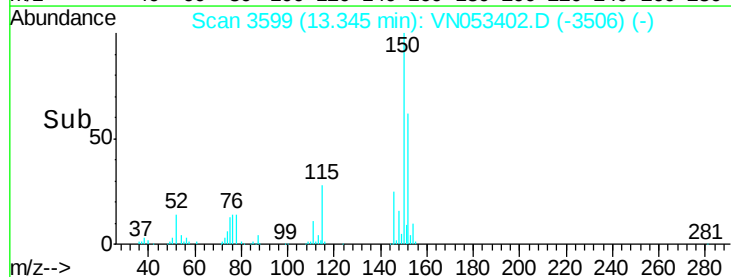
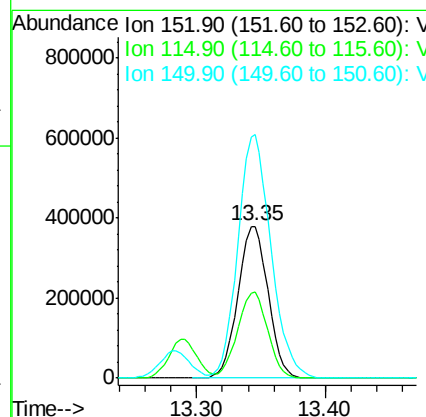
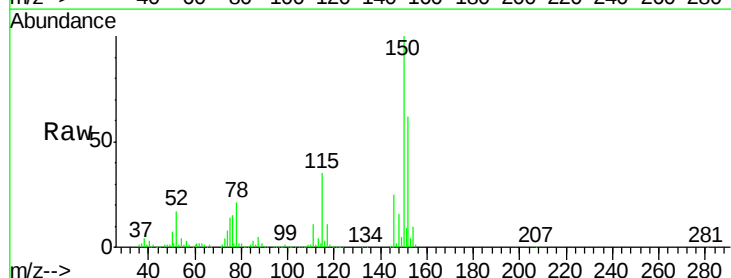
Manual Integrations
APPROVED

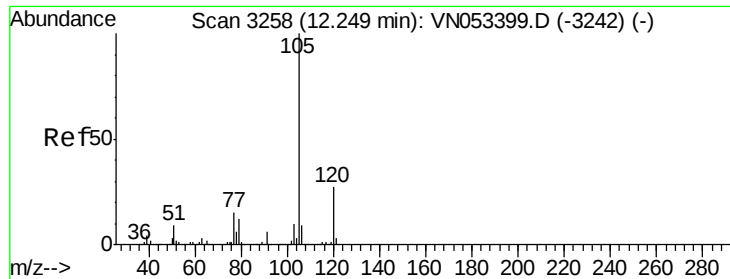
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.3	28.0	84.0
150	175.3	0.0	346.6





#73

Isopropylbenzene

Concen: 52.041 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011519

Tot Ion:105 Resp: 2352604

Ion Ratio Lower Upper

105 100

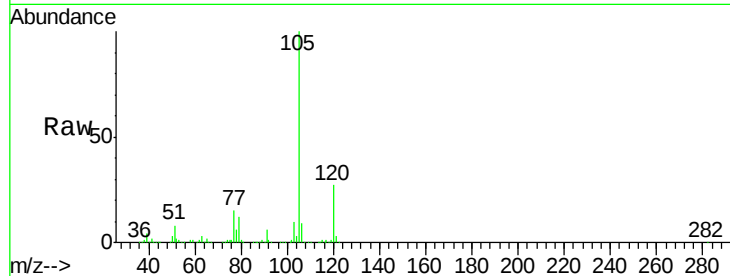
120 26.9 13.4 40.2

Manual Integrations

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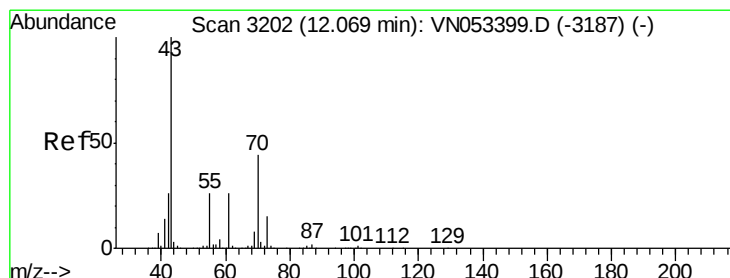
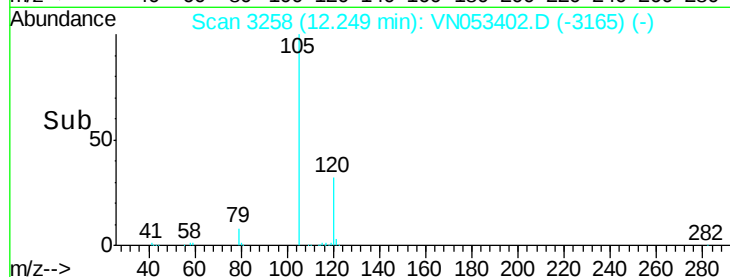
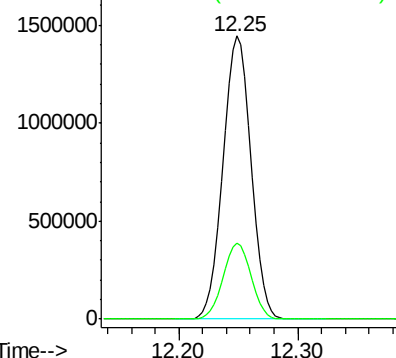
MMDadoda

1/16/2019 9:51:20 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 56.524 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Tgt Ion: 43 Resp: 681166

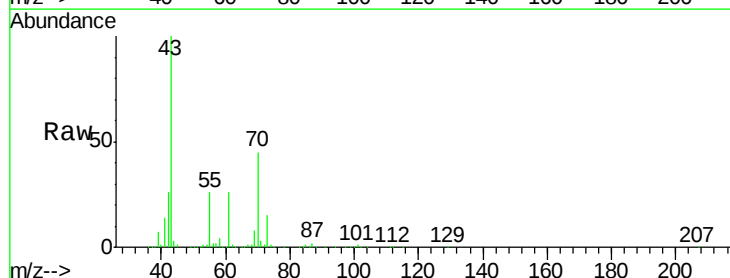
Ion Ratio Lower Upper

43 100

70 44.7 35.0 52.6

55 25.4 20.0 30.0

61 25.9 20.3 30.5

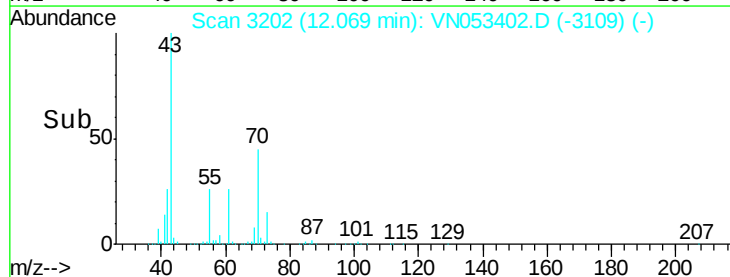
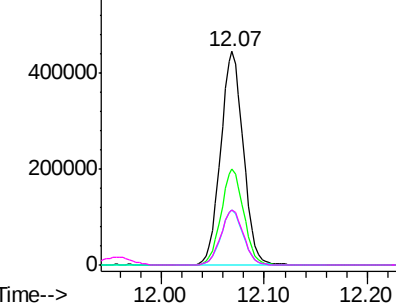


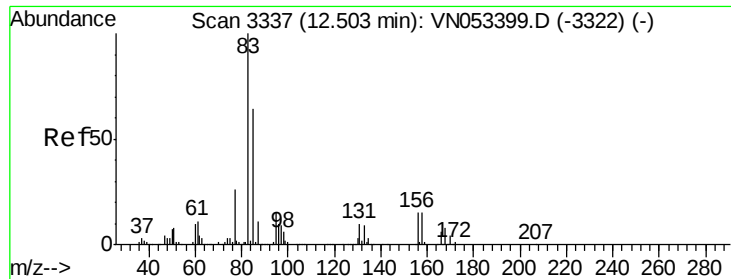
Abundance Ion 43.00 (42.70 to 43.70): V

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: 54.422 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

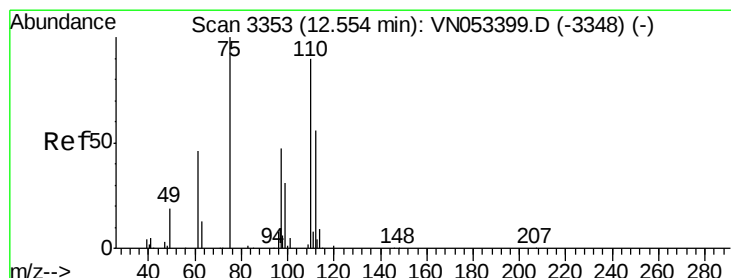
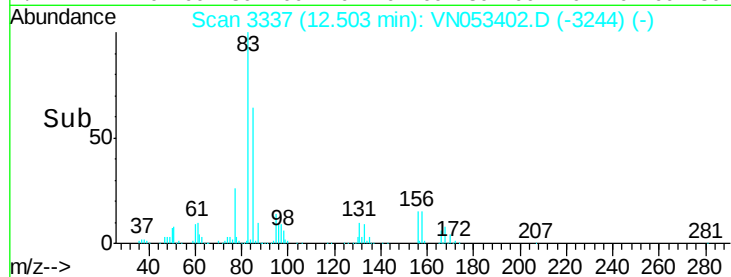
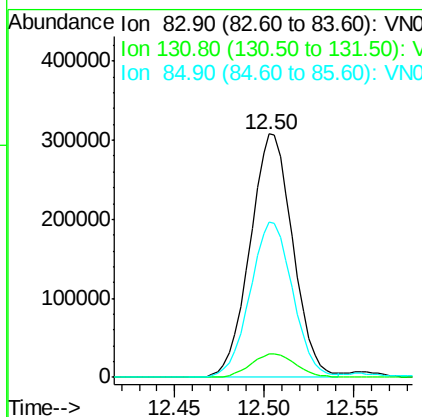
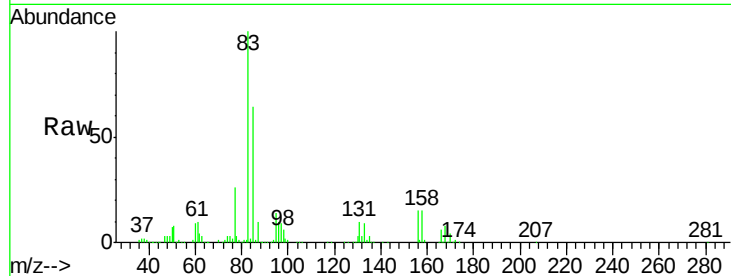
ClientSampled :

ICVVN011519

Tot Ion:	83	Resp:	515969
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.3	15.9
85	63.6	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 57.127 ug/l m

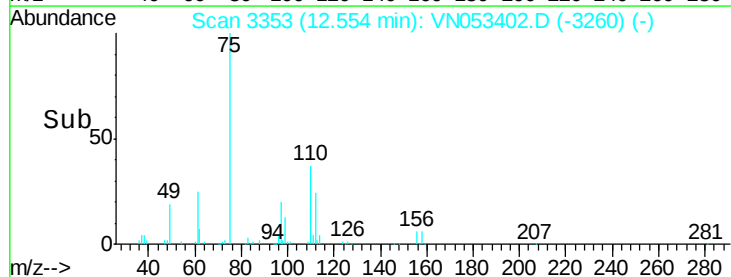
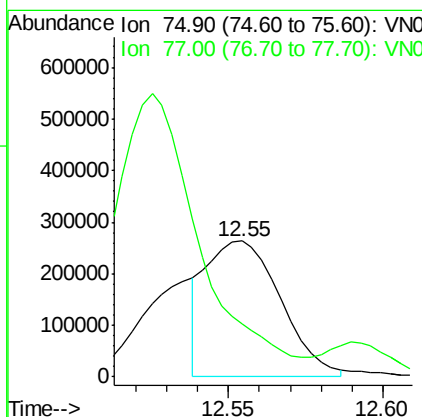
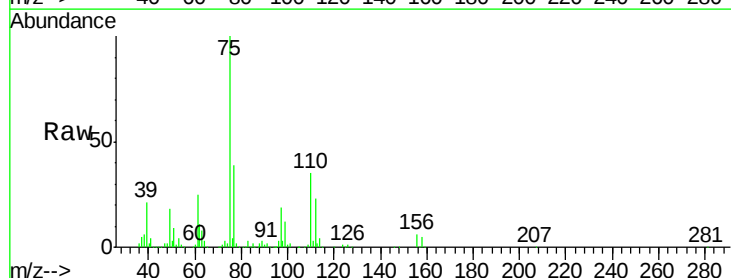
RT: 12.55 min Scan# 3353

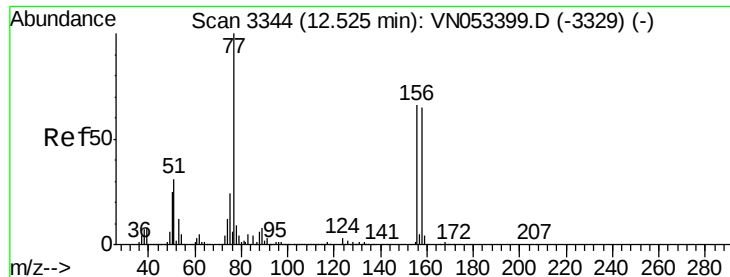
Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Tgt Ion:	75	Resp:	444008
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.954 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

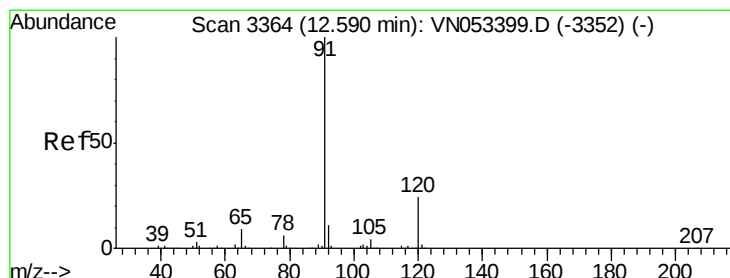
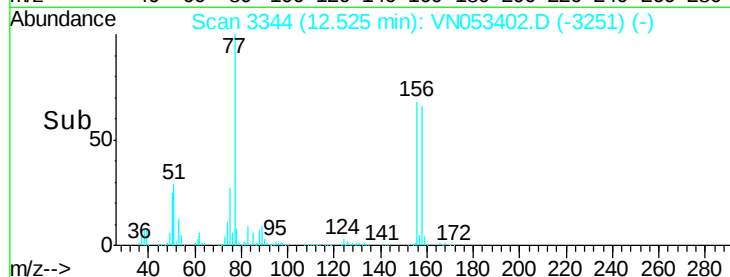
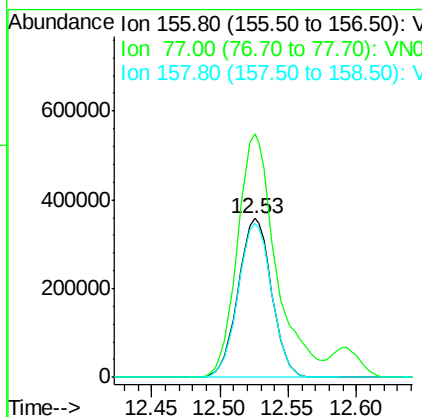
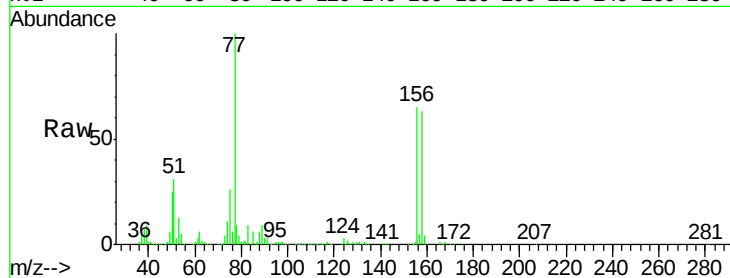
ClientSampleId :

ICVVN011519

Tot Ion:	156	Resp:	606959
Ion Ratio	Lower	Upper	
156	100		
77	176.8	89.3	268.1
158	97.6	48.9	146.8

Manual Integrations
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#78

n-propylbenzene

Concen: 52.821 ug/l

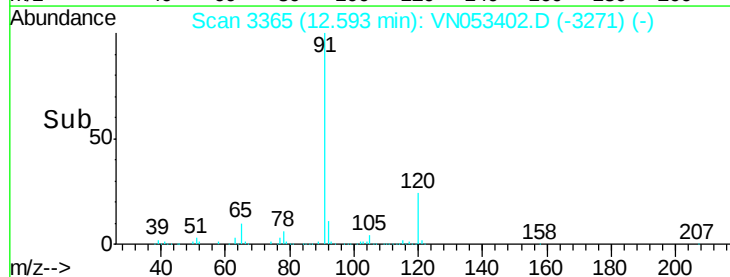
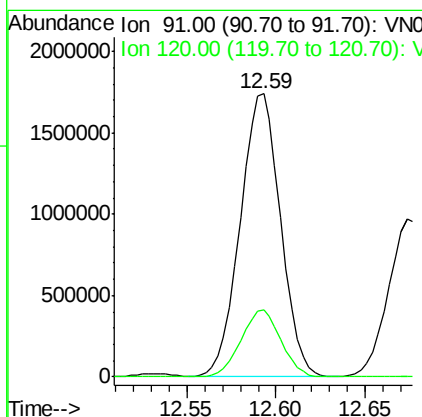
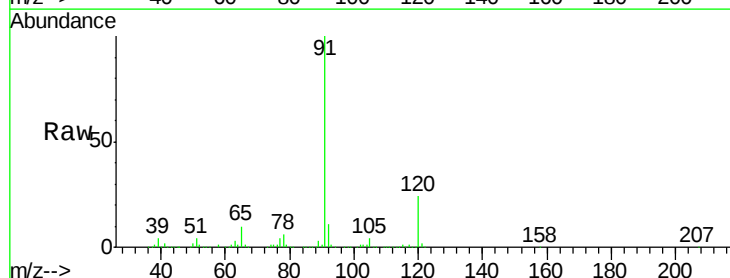
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Tgt Ion:	91	Resp:	2740927
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.5	34.5





#79

2-Chlorotoluene

Concen: 51.363 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011519

Tot Ion: 91 Resp: 1579845

Ion Ratio Lower Upper

91 100

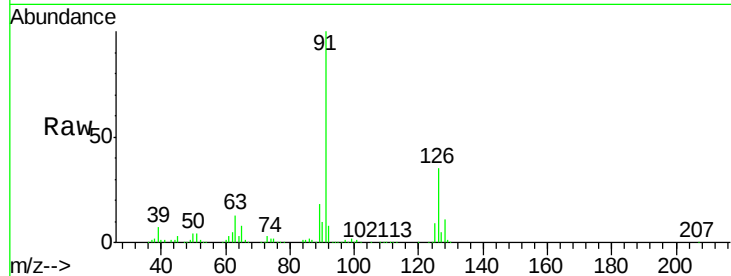
126 35.2 17.5 52.5

Manual Integrations

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

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

1500000

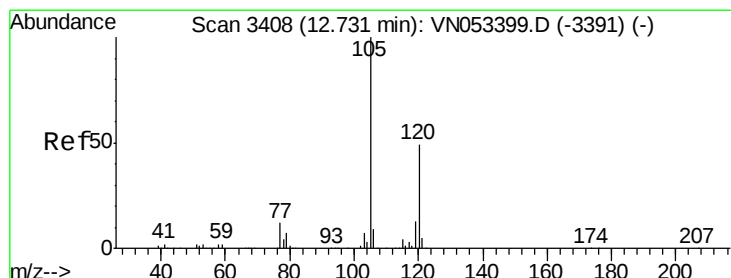
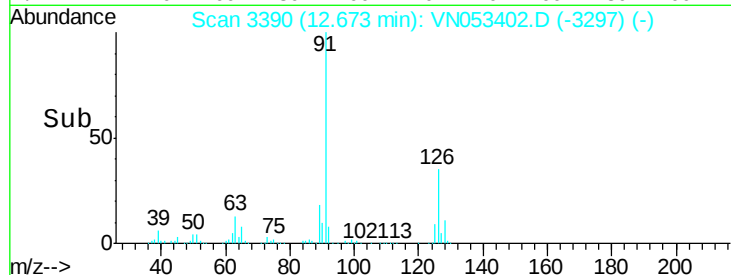
1000000

500000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.641 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053402.D

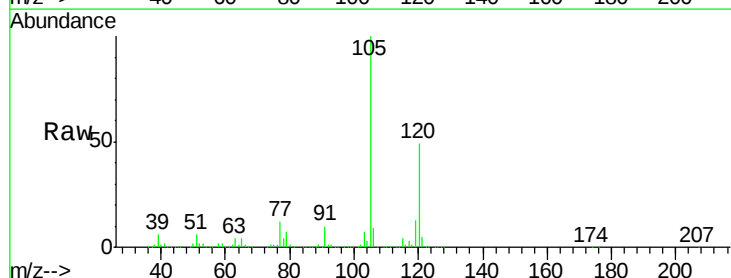
Acq: 15 Jan 2019 12:01

Tgt Ion: 105 Resp: 1936182

Ion Ratio Lower Upper

105 100

120 49.6 24.7 74.1



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

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

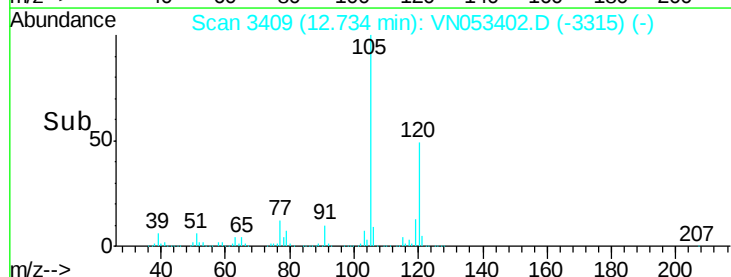
1000000

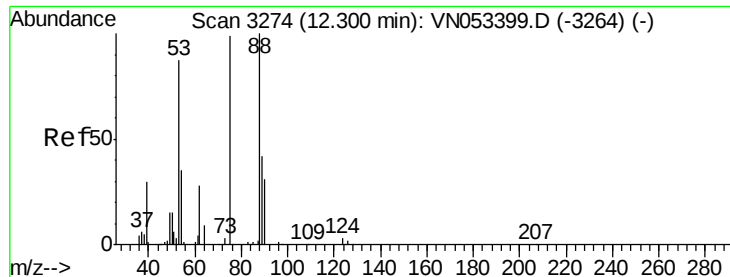
500000

0

12.70 12.73 12.76

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 52.077 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011519

Tot Ion: 75 Resp: 167754

Ion Ratio Lower Upper

75 100

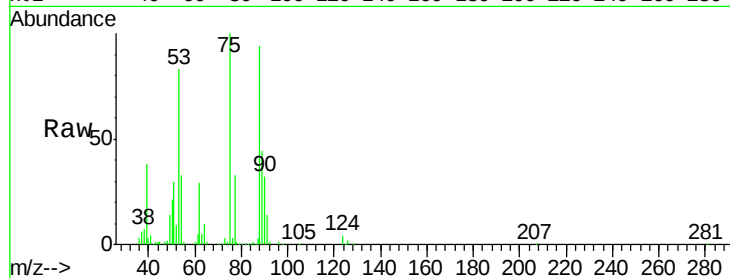
53 85.5 70.5 105.7

89 43.7 35.4 53.0

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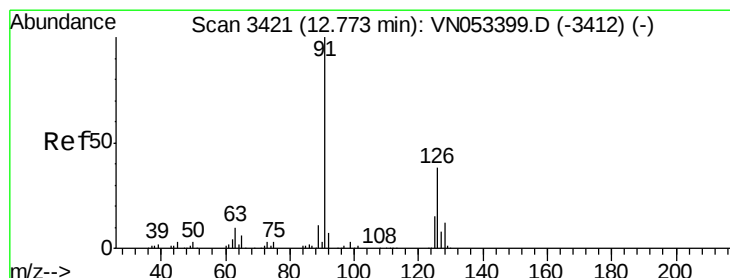
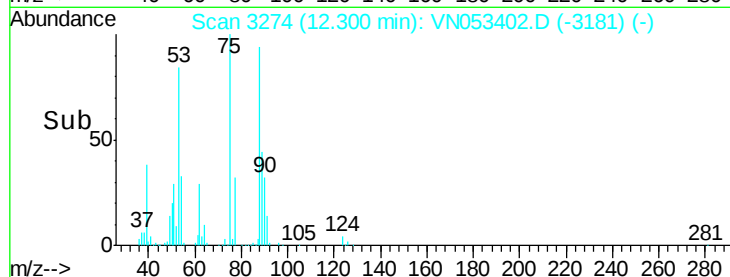
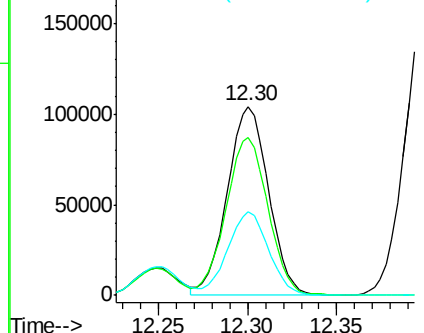
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 51.923 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053402.D

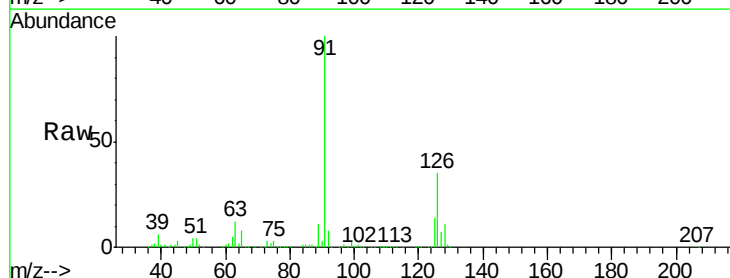
Acq: 15 Jan 2019 12:01

Tgt Ion: 91 Resp: 1628646

Ion Ratio Lower Upper

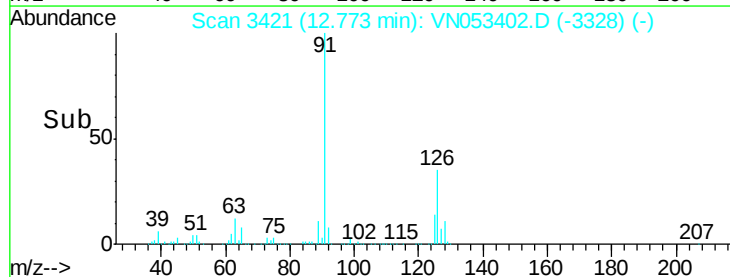
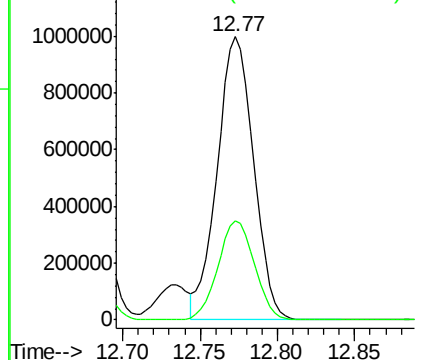
91 100

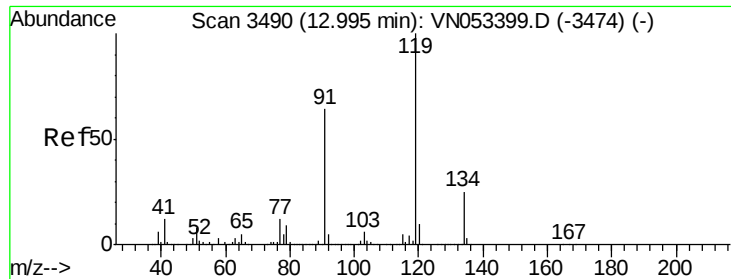
126 35.0 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





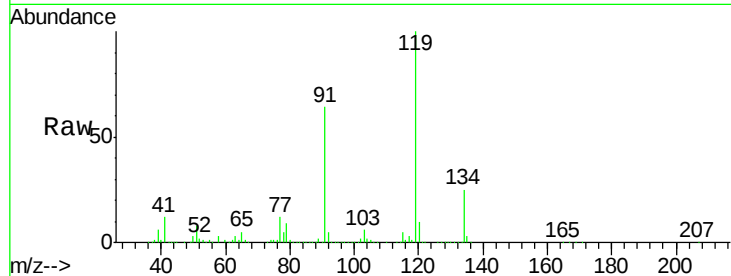
#83
tert-Butylbenzene
Concen: 53.020 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011519

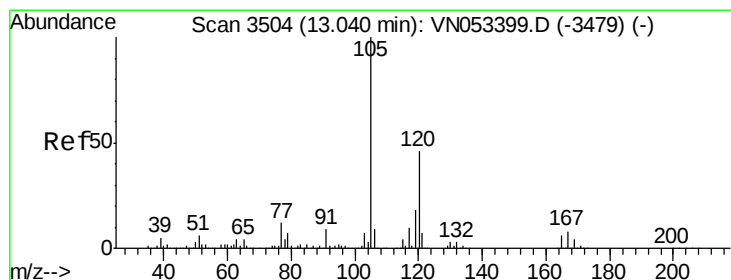
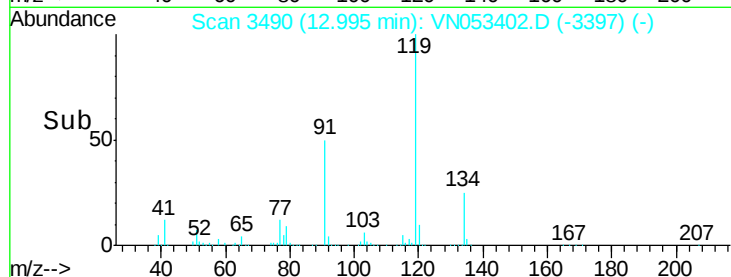
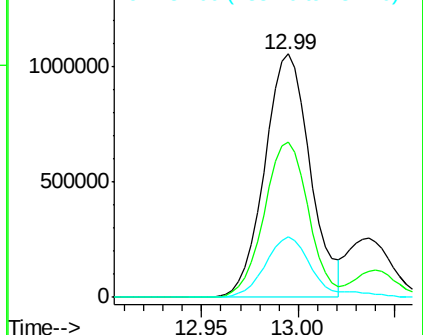
Tot Ion	Ratio	Lower	Upper
119	100		
91	62.1	31.6	95.0
134	25.8	12.9	38.6

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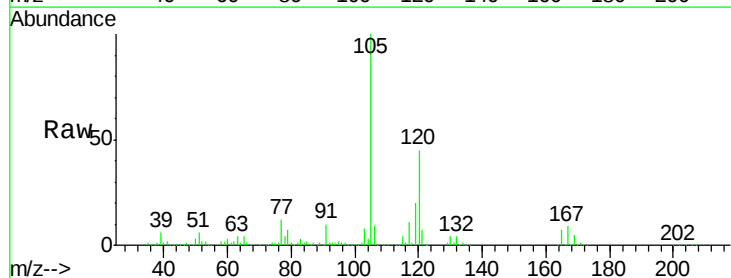


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

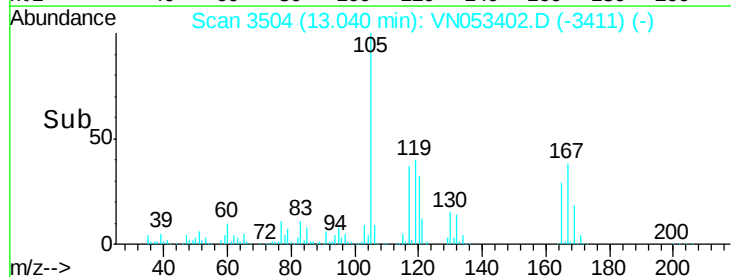
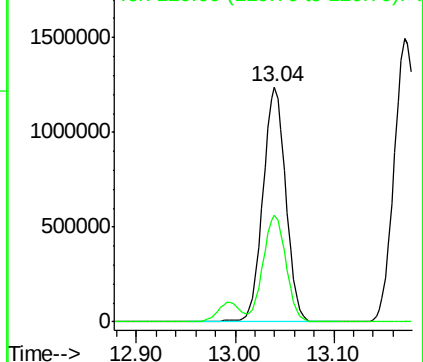


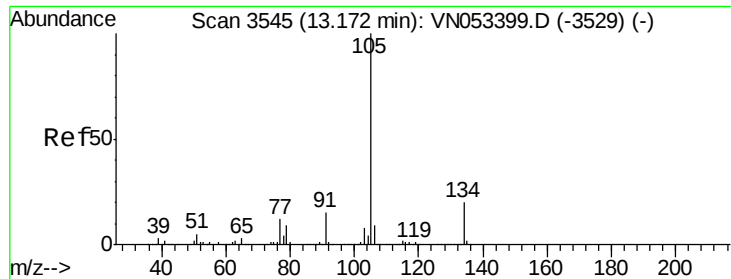
#84
1,2,4-Trimethylbenzene
Concen: 53.057 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	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: 53.192 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011519

Tot Ion:105 Resp: 2369826

Ion Ratio Lower Upper

105 100

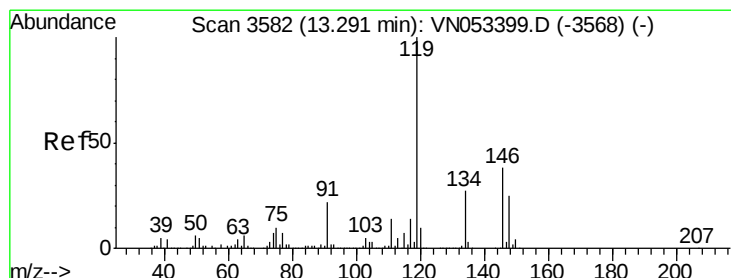
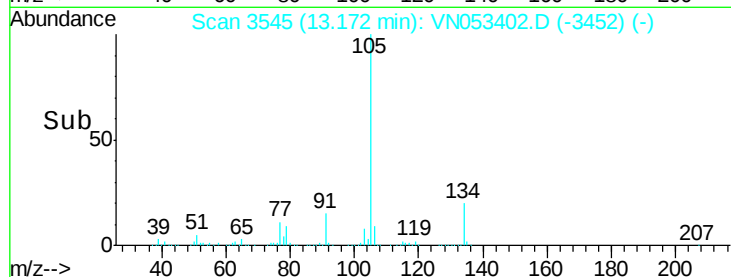
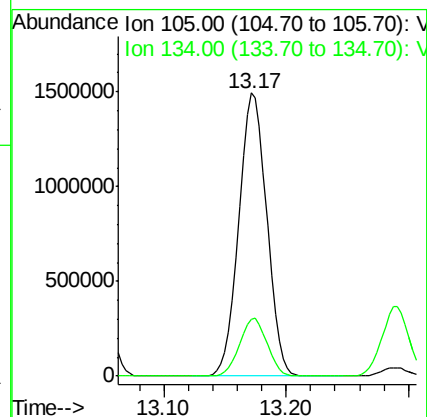
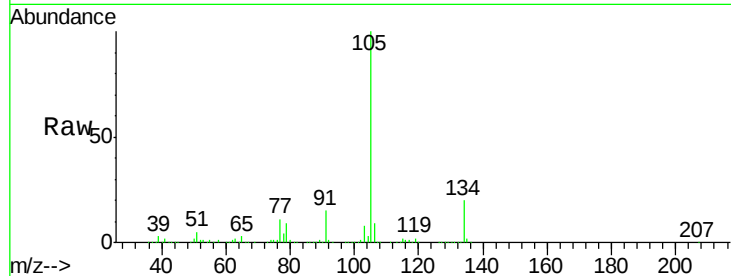
134 20.3 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 53.970 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

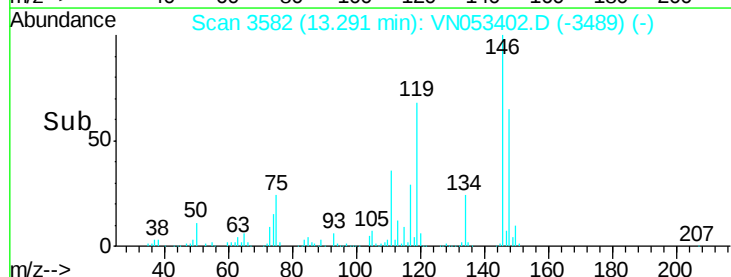
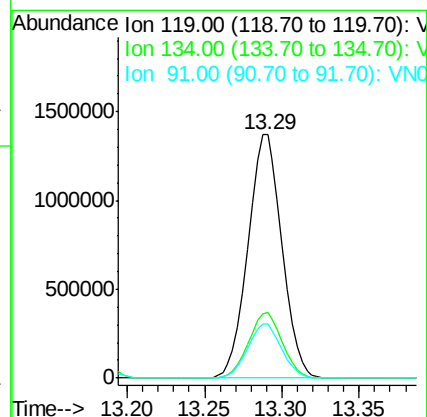
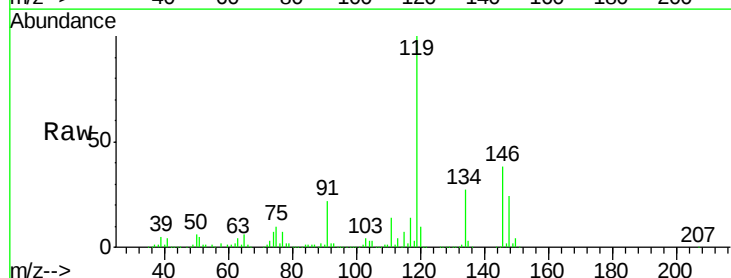
Tgt Ion:119 Resp: 2087790

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

91 22.1 11.1 33.1





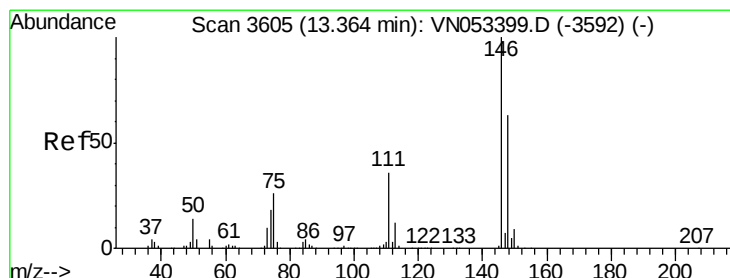
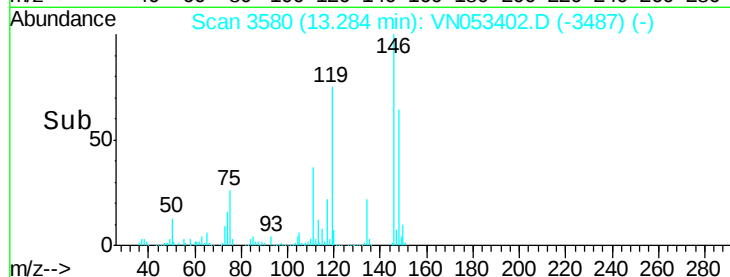
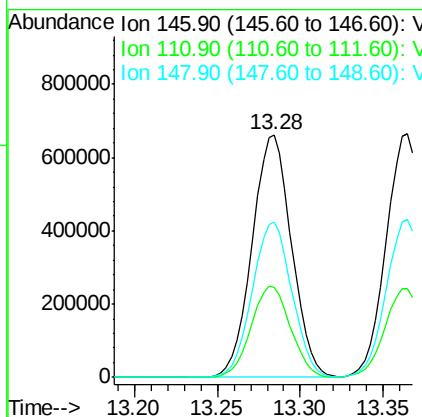
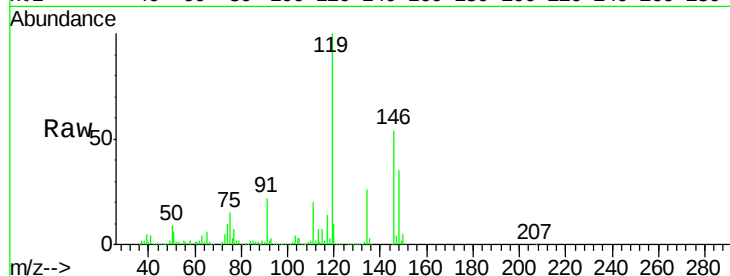
#87
 1,3-Dichlorobenzene
 Concen: 52.175 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053402.D
 Acq: 15 Jan 2019 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN011519

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.9	56.5
148	64.4	32.0	96.2

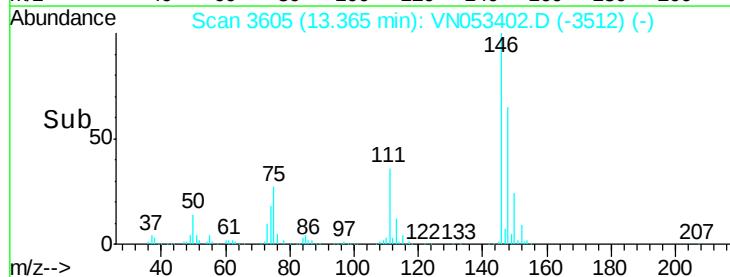
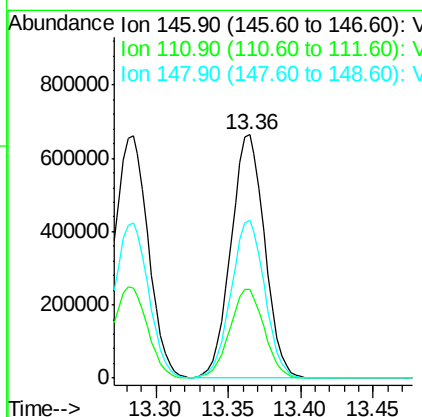
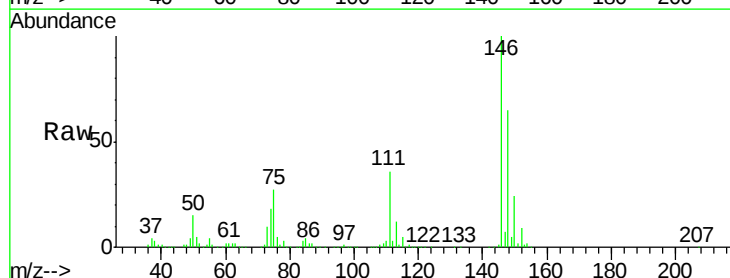
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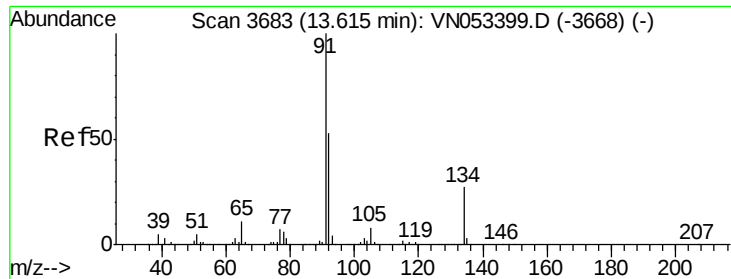
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#88
 1,4-Dichlorobenzene
 Concen: 50.979 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053402.D
 Acq: 15 Jan 2019 12:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.8
148	64.8	32.0	96.0





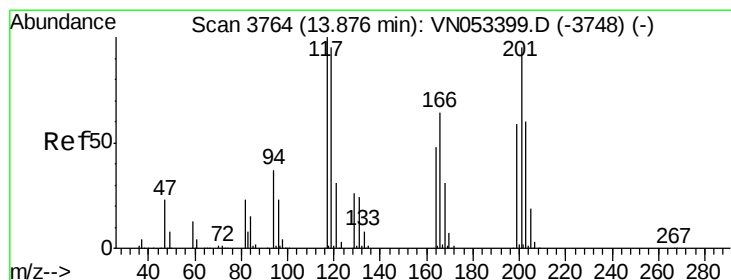
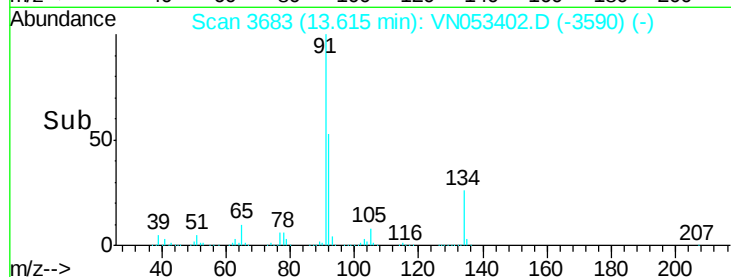
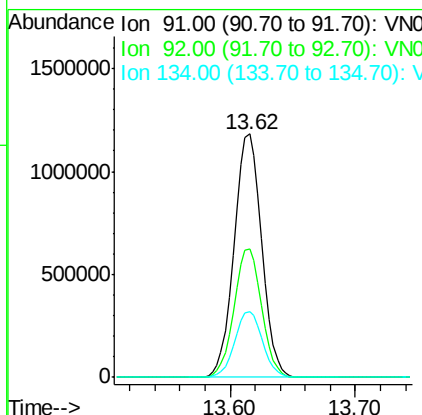
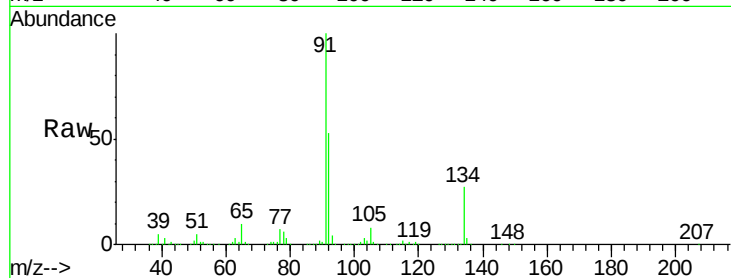
#89
n-Butylbenzene
Concen: 54.685 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011519

Tot Ion: 91 Resp: 1803237
Ion Ratio Lower Upper
91 100
92 52.5 26.3 78.8
134 27.1 13.5 40.5

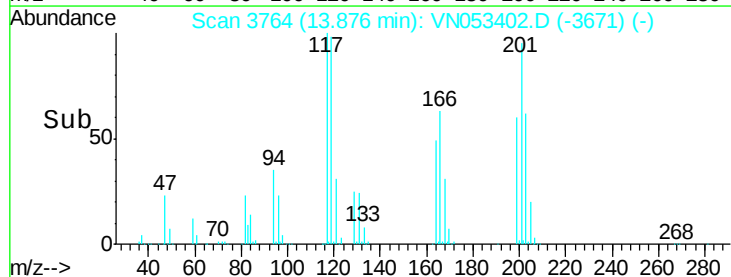
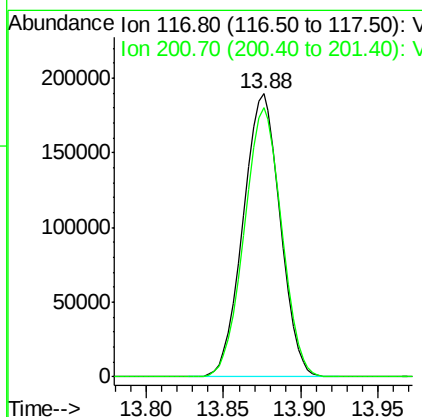
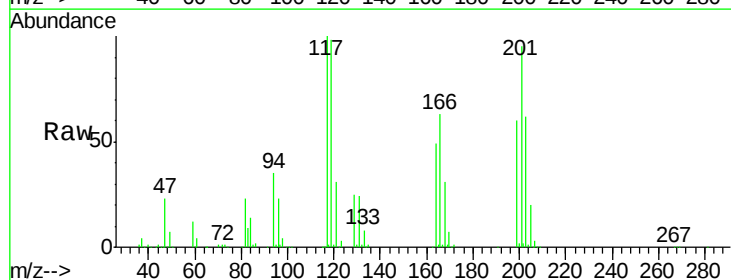
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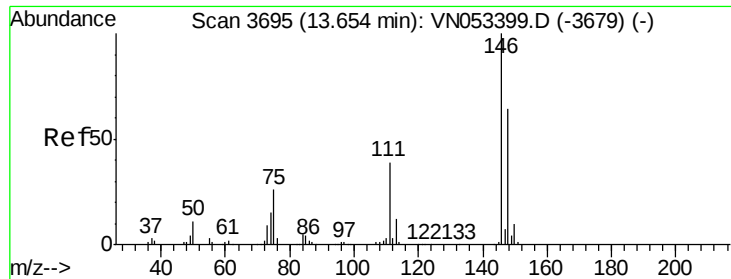
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#90
Hexachloroethane
Concen: 52.296 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053402.D
Acq: 15 Jan 2019 12:01

Tgt Ion: 117 Resp: 317279
Ion Ratio Lower Upper
117 100
201 95.5 46.1 138.3





#91

1,2-Dichlorobenzene

Concen: 52.396 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

ClientSampled :

ICVVN011519

Tot Ion:146 Resp: 1010045

Ion Ratio Lower Upper

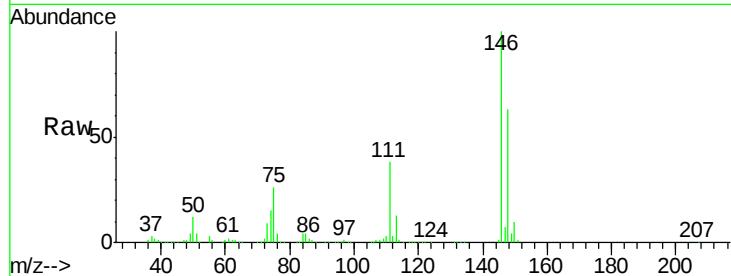
146 100

111 38.9 19.4 58.2

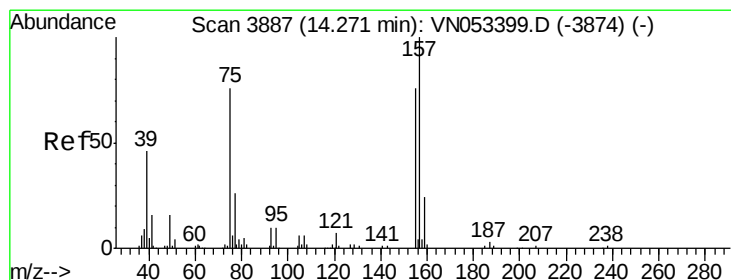
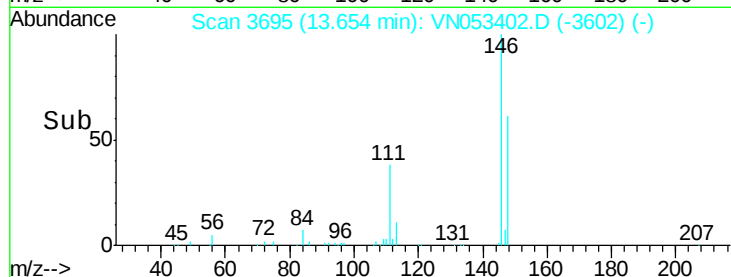
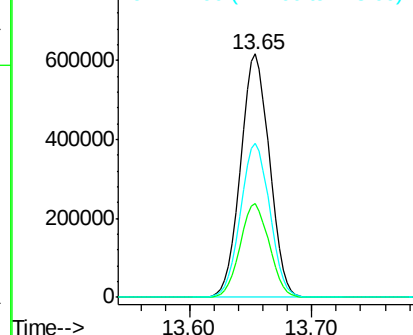
148 64.1 32.2 96.6

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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: 56.105 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

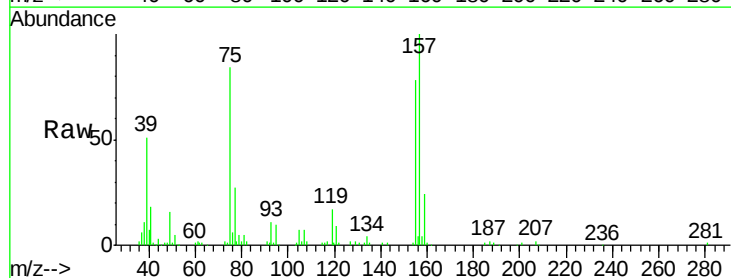
Tgt Ion: 75 Resp: 67447

Ion Ratio Lower Upper

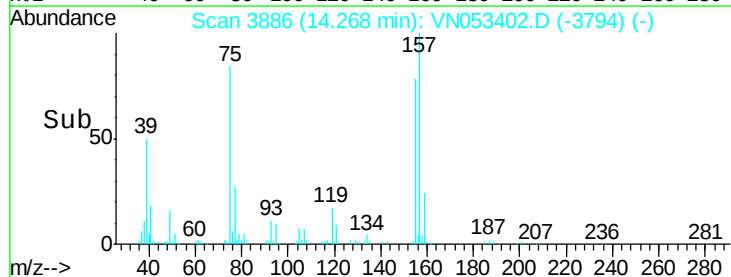
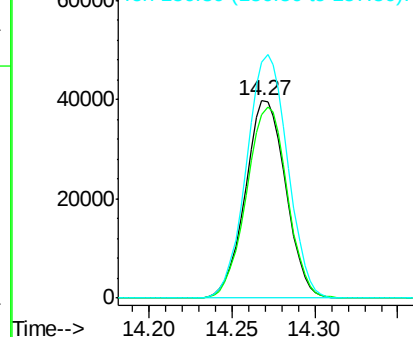
75 100

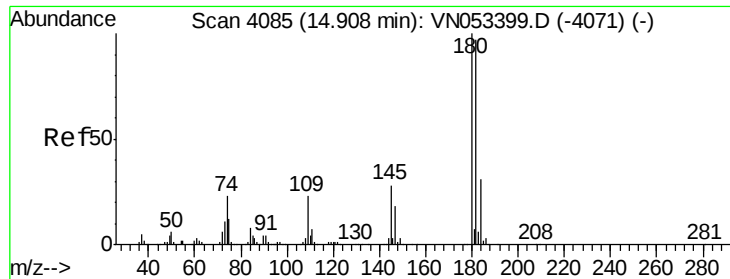
155 97.6 48.1 144.3

157 125.1 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





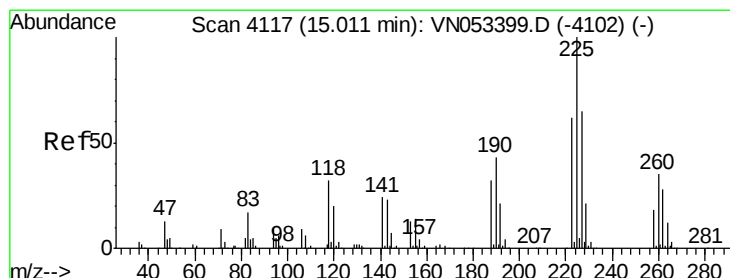
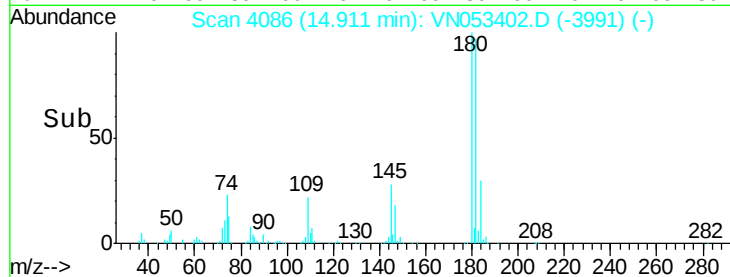
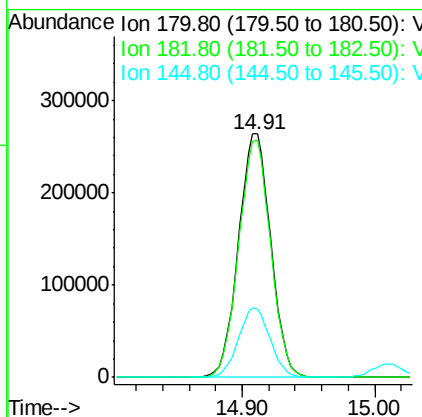
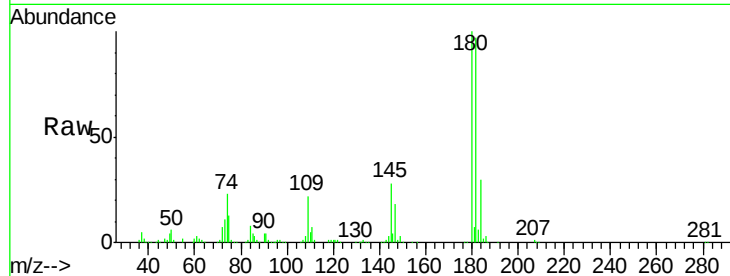
#93
 1,2,4-Trichlorobenzene
 Concen: 52.097 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053402.D
 Acq: 15 Jan 2019 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN011519

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.5	47.8	143.4	
145	28.1	14.4	43.0	

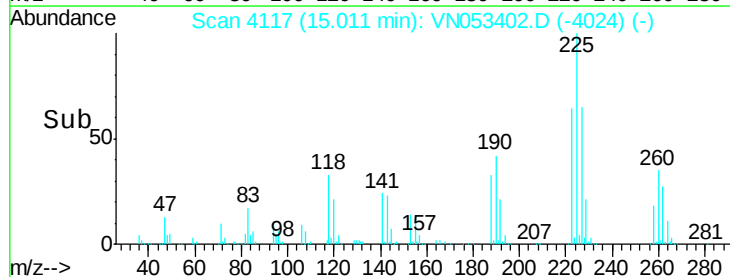
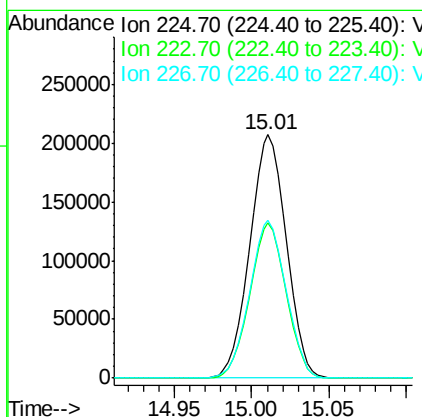
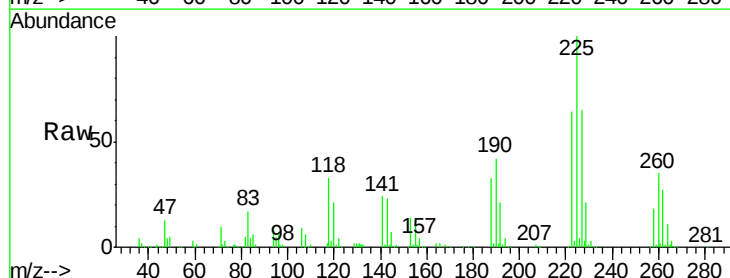
Manual Integrations
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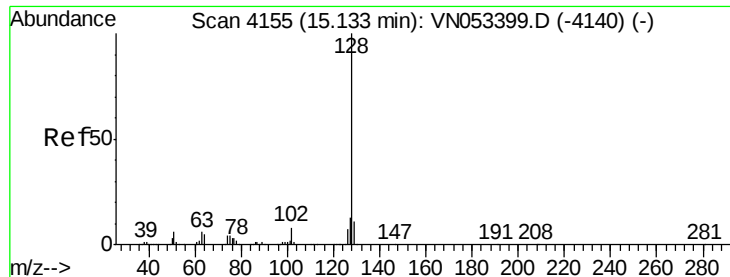
MMDadoda
 1/16/2019 9:51:20 AM



#94
 Hexachlorobutadiene
 Concen: 56.692 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053402.D
 Acq: 15 Jan 2019 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.1	30.9	92.8	
227	64.8	31.4	94.2	





#95

Naphthalene

Concen: 51.606 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Instrument :

MSVOA_N

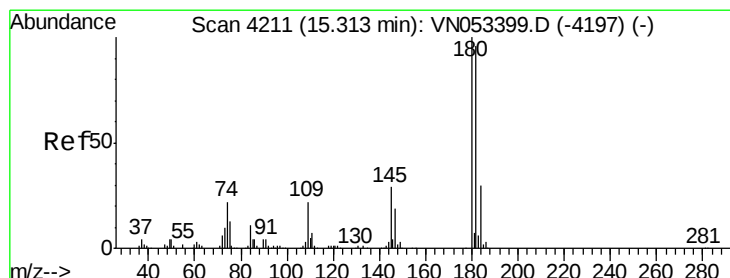
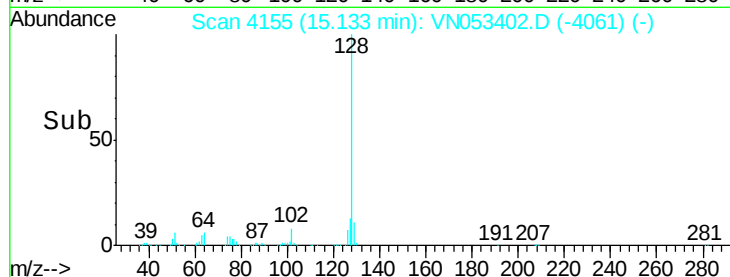
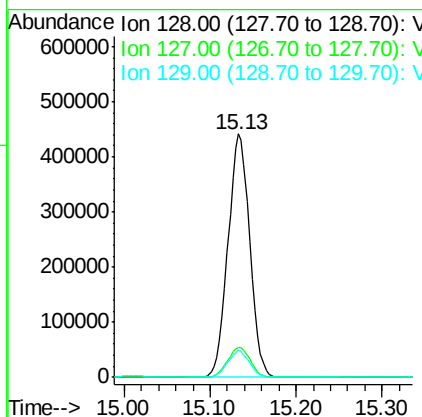
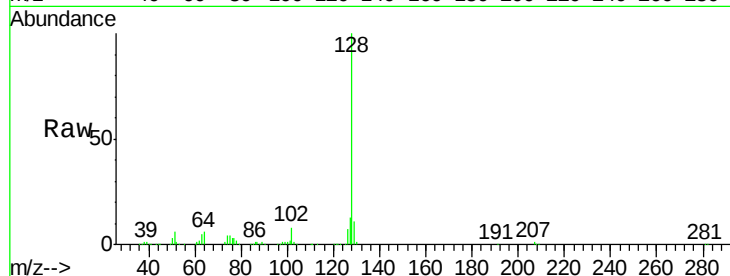
ClientSampleId :

ICVVN011519

Tot Ion:	128	Resp:	772163
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	10.8	8.7	13.1

Manual Integrations
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1/16/2019 9:51:20 AM



#96

1,2,3-Trichlorobenzene

Concen: 51.936 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053402.D

Acq: 15 Jan 2019 12:01

Tgt Ion:	180	Resp:	324258
Ion Ratio	Lower	Upper	
180	100		
182	97.0	48.4	145.0
145	29.8	14.9	44.5

